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A FIBERS see **NERVE FIBERS, MYELINATED**

ABDOMEN

Thoracic and extrathoracic bronchial fistulas. Powner DJ, et al. **Chest** 1991 Aug;100(2):480–6 (49 ref.)

Advanced assessment of the abdomen and gastrointestinal problems. O'Toole MT. **Nurs Clin North Am** 1990 Dec; 25(4):771–6 (8 ref.)

Reoperation for intra-abdominal abscess. Fry DE, et al. **Surg Clin North Am** 1991 Feb;71(1):159–74 (30 ref.)

ABNORMALITIES

Fetal abdominal abnormalities associated with genetic syndromes. Hirata GI, et al. **Clin Perinatol** 1990 Sep; 17(3):675–702 (93 ref.)

ANATOMY & HISTOLOGY

Principles of protocol optimization for MRI of the abdomen and pelvis. Mitchell DG, et al. **Crit Rev Diagn Imaging** 1990;31(2):117–44 (75 ref.)

BLOOD SUPPLY

Magnetic resonance angiography in the abdomen and pelvis. Koch M, et al. **Curr Opin Radiol** 1991 Jun;3(3):463–70 (25 ref.)

RADIOGRAPHY

The role of thoraco-abdominal irradiation before marrow transplantation. Vitale V, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:35–6 (7 ref.)

SURGERY

Conservative management of invasive rectal cancer: alternative to abdominoperineal resection. Minsky BD, et al. **Oncology (Williston Park)** 1989 May;3(5):137–42; discussion 142, 146–8 (37 ref.)

Design and evaluation of clinical trials of antimicrobial agents in surgery. Dellinger EP. **Surg Gynecol Obstet** 1991;172 Suppl:65–72 (42 ref.)

[Current status and perspectives of mechanical suture techniques in abdominal and thoracic surgery] Kockel N, et al. **Zentralbl Chir** 1991;116(4):219–41 (54 ref.) (Eng. Abstr.) **(Ger)**

[Non-clostridium anaerobic infections in abdominal surgery] Shevchuk MG, et al. **Klin Khir** 1991;(1):46–9 (56 ref.) **(Rus)**

ULTRASONOGRAPHY

Non-pelvic abdominal ultrasound: an overview for emergency physicians. Spitz HB. **J Emerg Med** 1984; 1(6):509–20 (32 ref.)

Ultrasonic imaging of the abdomen. Report of the ultrasonography task force. Council on Scientific Affairs, American Medical Association. **JAMA** 1991 Apr 3; 265(13):1726–31 (56 ref.)

[Ultrasonic diagnosis in dogs and cats. 2. Clinical use—a review] Flückiger M. **Schweiz Arch Tierheilkd** 1991; 133(3):101–11 (57 ref.) (Eng. Abstr.) **(Ger)**

[Ultrasonic follow up of spontaneous regression of neonatal abdominal cystic changes] Kis E, et al. **Orv Hetil** 1990 Dec 16;131(50):2743–5 (15 ref.) (Eng. Abstr.) **(Hun)**

[Integrated Doppler ultrasonography of the abdomen in diagnostic imaging] De Gaetano AM, et al. **Radiol Med (Torino)** 1991 Jul-Aug;82(1-2):118–31 (73 ref.) **(Ita)**

ABDOMEN, ACUTE

The acute abdomen. Partridge J. **Practitioner** 1990 Aug; 234(1493):776–81 (0 ref.)

DIAGNOSIS

Medical imaging in acute abdominal pain. Sturman MF. **Compr Ther** 1991 Apr;17(4):15–21 (15 ref.)

ETIOLOGY

Ultrasound of the acute abdomen--Part V. Herbert R, et al. **Radiogr Today** 1990 Sep;56(640):27–30 (24 ref.)

[Acute surgical abdomen in infectious and parasitic diseases] Viiachki I, et al. **Khirurgiia (Sofiia)** 1990;43(3):79–84 (21 ref.) (Eng. Abstr.) **(Bul)**

[Differential diagnosis of acute pelvic pain] Beck L. **Gynakologe** 1991 Jun;24(3):142–5 (8 ref.) **(Ger)**

[Acute abdominal pain in pregnancy--incidence and differential diagnosis] Mussmann J. **Gynakologe** 1991 Jun; 24(3):155–9 (34 ref.) **(Ger)**

SURGERY

Management of the acute abdomen complicating oral anticoagulation therapy. Euhus DM, et al. **Am Surg** 1990 Oct;56(10):581–6 (46 ref.)

Nontraumatic surgical emergencies in children. Felter RA. **Emerg Med Clin North Am** 1991 Aug;9(3):589–610 (23 ref.)

[Prevention of adhesive disease] Kurguzov OP, et al. **Khirurgiia (Mosk)** 1990 Oct;(10):153–9 (152 ref.) **(Rus)**

[Multiple organ failure syndrome in surgery] Pomelov VS, et al. **Khirurgiia (Mosk)** 1990 Jul;(7):158–61 (58 ref.) **(Rus)**

[Diagnosis of early postoperative intra-abdominal complications] Kachurin VS, et al. **Vestn Khir** 1991 Jan; 146(1):134–6 (33 ref.) **(Rus)**

[Current state of the problem of antibiotic therapy of surgical infection in the abdominal cavity] Zubarev PN, et al. **Vestn Khir** 1990 Apr;144(4):145–8 (34 ref.) **(Rus)**

ULTRASONOGRAPHY

Ultrasound of the acute abdomen--Part III [published erratum appears in Radiogr Today 1990 Sep;56(640):28–30] Herbert R, et al. **Radiogr Today** 1990 Jul;56(638):16–24 (0 ref.)

ABDOMINAL CRAMPS see **COLIC**

ABDOMINAL INJURIES

COMPLICATIONS

Isolated gallbladder rupture due to blunt abdominal trauma. Schachter P, et al. **HPB Surg** 1989 Nov;1(4):359–62 (25 ref.)

DIAGNOSIS

The evaluation of blunt abdominal trauma: computed tomography scan, lavage, or sonography? Thal ER, et al. **Adv Surg** 1991;24:201–28 (82 ref.)

Diagnostic modalities in abdominal trauma. Peritoneal lavage, ultrasonography, computed tomography scanning, and arteriography. Feliciano DV. **Surg Clin North Am** 1991 Apr;71(2):241–56 (71 ref.)

[Injuries of the pelvis and retroperitoneal organs] Wilker DK, et al. **Urologe [A]** 1991 May;30(3):183–8 (12 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Whipple procedure for trauma: is duct ligation a safe alternative to pancreaticojejunostomy? Gentilello LM, et al. **J Trauma** 1991 May;31(5):661–7; discussion 667–8 (60 ref.)

[Current state of the problem of antibiotic therapy of surgical infection in the abdominal cavity] Zubarev PN, et al. **Vestn Khir** 1990 Apr;144(4):145–8 (34 ref.) **(Rus)**

THERAPY

Update on trauma care in Canada. 2. Update on pediatric trauma. Blair GK. **Can J Surg** 1990 Dec;33(6):443–6 (12 ref.)

Trauma to the lower abdomen. Davis K Jr. **J Natl Med Assoc** 1990 Oct;82(10):717–20 (7 ref.)

ULTRASONOGRAPHY

[Indications for ultrasonography in abdominal injuries, based on a 5-year case load] Temesi M, et al. **Orv Hetil** 1990 Oct 28;131(43):2373–6 (28 ref.) (Eng. Abstr.) **(Hun)**

ABDOMINAL NEOPLASMS

Inflammatory pseudotumor in childhood. A diagnostic and therapeutic dilemma. Freud E, et al. **Arch Surg** 1991 May; 126(5):653–5 (24 ref.)

Muir-Torre syndrome: a case report. Bisceglia M, et al. **Tumori** 1991 Jun 30;77(3):277–81 (38 ref.)

CONGENITAL

Twin fetuses in fetu and a review of the literature. Gürses N, et al. **Z Kinderchir** 1990 Oct;45(5):319–22 (14 ref.)

DIAGNOSIS

Imaging-guided percutaneous abdominal biopsy. Gazelle GS, et al. **Oncology (Williston Park)** 1991 Jun;5(6):27–38; discussion 38, 43, 46 (95 ref.)

VIP secreting tumours in infancy. A review of radiological appearances. Davies RP, et al. **Pediatr Radiol** 1990; 20(7):504–8 (21 ref.)

Abdominal masses in children: neuroblastoma, Wilms tumor, and other considerations. Brodeur AE, et al. **Pediatr Rev** 1991 Jan;12(7):196–207 (15 ref.)

[Large bore needle biopsy is still indicated in the diagnosis of abdominal tumors] Seitz JF, et al. **Gastroenterol Clin Biol** 1991;15(4):360–2 (14 ref.) **(Fre)**

PATHOLOGY

Clear cell carcinoma arising in extraovarian endometriosis: report of three cases and review of the literature. Hitti IF, et al. **Gynecol Oncol** 1990 Dec;39(3):314–20 (17 ref.)

Metastatic tumors of the umbilicus: a review 1830–1989.

Shetty MR. **J Surg Oncol** 1990 Nov;45(3):212–5 (30 ref.)
Imaging-guided percutaneous abdominal biopsy. Gazelle GS, et al. **Oncology (Williston Park)** 1991 Jun;5(6):27–38; discussion 38, 43, 46 (95 ref.)
Complications of percutaneous abdominal fine-needle biopsy. Review. Smith EH. **Radiology** 1991 Jan;178(1):253–8 (52 ref.)

RADIOGRAPHY

[Radiographic diagnosis of abdominal manifestations of AIDS] Aagesen HB, et al. **Ugeskr Laeger** 1990 Nov 12; 152(46):3444–6 (23 ref.) (Eng. Abstr.) **(Dan)**

SECONDARY

The Sister (Mary) Joseph nodule: its significance in gynecology. Majmudar B, et al. **Gynecol Oncol** 1991 Feb; 40(2):152–9 (35 ref.)
[First experiences with intraperitoneal chemotherapy] Pikó B, et al. **Orv Hetil** 1991 Jun 2;132(22):1199–201 (30 ref.) (Eng. Abstr.) **(Hun)**

SURGERY

[Malignant non-Hodgkin's lymphomas in abdominal surgery: apropos 3 cases of Burkitt's lymphoma] Dimitrova V, et al. **Khirurgiia (Sofiia)** 1991;44(2):52–7 (14 ref.) (Eng. Abstr.) **(Bul)**
[Cryogenic method of treatment in abdominal oncology] Itin AB, et al. **Vopr Onkol** 1990;36(11):1283–7 (29 ref.) **(Rus)**

ULTRASONOGRAPHY

Ultrasound of extranodal abdominal lymphoma—a review. Goerg C, et al. **Clin Radiol** 1991 Aug;44(2):92–7 (36 ref.)
[Abdominal ultrasound diagnosis of malignant lymphomas] Plat M, et al. **Gastroenterol J** 1990;50(3):117–23 (40 ref.) (Eng. Abstr.) **(Ger)**

ABDOMINAL PAIN

Chronic abdominal pain in adolescents. Silverberg M. **Pediatr Ann** 1991 Apr;20(4):179–85 (17 ref.)

DIAGNOSIS

[Visceral pain] Ivanov S. **Vutr Boles** 1990;29(6):26–9 (8 ref.) **(Bul)**

ETIOLOGY

ABC of antenatal care. Abdominal pain in pregnancy. Chamberlain G. **BMJ** 1991 Jun 8;302(6789):1390–4 (0 ref.)
Abdominal wall pain: an alternative diagnosis. Gallegos NC, et al. **Br J Surg** 1990 Oct;77(10):1167–70 (28 ref.)
Pelvic pain and infections. Faro S, et al. **Obstet Gynecol Clin North Am** 1990 Jun;17(2):441–55 (35 ref.)
Cyclic pelvic pain. Muse KN. **Obstet Gynecol Clin North Am** 1990 Jun;17(2):427–40 (35 ref.)
Recurrent abdominal pain due to chronic appendiceal disease. Seidman JD, et al. **South Med J** 1991 Jul;84(7):913–6 (23 ref.)
Spontaneous aorto-left renal vein fistula: the "abdominal pain, hematuria, silent left kidney" syndrome. Mansour MA, et al. **Surgery** 1991 Jan;109(1):101–6 (50 ref.)
Chronic and recurring abdominal pain. Kirk RM. **Trans Med Soc Lond** 1988–89;105:1–4 (7 ref.)
[Sports and the digestive tract] Moser B. **Dtsch Med Wochenschr** 1990 Sep 21;115(38):1448–51 (50 ref.) **(Ger)**
[Differential diagnosis of acute pelvic pain] Beck L. **Gynakologe** 1991 Jun;24(3):142–5 (8 ref.) **(Ger)**
[Acute abdominal pain in pregnancy—incidence and differential diagnosis] Mussmann J. **Gynakologe** 1991 Jun; 24(3):155–9 (34 ref.) **(Ger)**
[Chronic recurrent abdominal pain and lactose malabsorption in childhood] Horváth K, et al. **Orv Hetil** 1990 Dec 2; 131(48):2631–5 (23 ref.) (Eng. Abstr.) **(Hun)**

PHYSIOPATHOLOGY

[Neurophysiology of gastrointestinal pain] Cerveró F. **Rev Esp Enferm Dig** 1990 Aug;78(2):79–88 (35 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

The cause and management of the pain of chronic pancreatitis. Karanjia ND, et al. **Gastroenterol Clin North Am** 1990 Dec;19(4):895–904 (39 ref.)

ABDOMINAL WALL

Low-dose heparin. A cause of hematoma of rectus abdominis. Tsapatsaris NP. **Arch Intern Med** 1991 Mar; 151(3):597–9 (20 ref.)
Inflammatory pseudotumor in childhood. A diagnostic and therapeutic dilemma. Freud E, et al. **Arch Surg** 1991 May; 126(5):653–5 (24 ref.)

PATHOLOGY

[Desmoid tumors] Armaroli R, et al. **G Chir** 1988 Jan; 9(1):40–2 (12 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

[Fascia skeleton of the abdominal cavity—hernia and anorectal incontinence] Stelzner F. **Langenbecks Arch Chir** 1991;376(2):108–20 (32 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Diastasis recti and umbilical hernia causes, recognition and repair. Ranney B. **S D J Med** 1990 Oct;43(10):5–8 (6 ref.)
Abdominal wall considerations and complications in reoperative surgery. Fry DE, et al. **Surg Clin North Am** 1991 Feb;71(1):1–11 (15 ref.)
[Dermatoplasty using autologous transplants in postoperative ventral hernia] Nartsissov TV, et al. **Klin Khir** 1991;(3):65–7 (79 ref.) **(Rus)**
[Postoperative ventral hernia] Nartsissov TV, et al. **Sov Med** 1991;(1):35–7 (62 ref.) **(Rus)**

ABDUCENS NERVE

Recurrent lateral rectus palsy in childhood. Afifi AK, et al. **Pediatr Neurol** 1990 Sep-Oct;6(5):315–8 (11 ref.)

SURGERY

Sixth nerve schwannomas. Report of two cases. Tung H, et al. **J Neurosurg** 1991 Oct;75(4):638–41 (15 ref.)

ABERRANT TISSUE see **CHORISTOMA**

ABH BLOOD GROUP see **ABO BLOOD-GROUP SYSTEM**

ABILITY see **APTITUDE**

ABL GENES see **GENES, ABL**

ABLATION, TRANSVENOUS ELECTRIC see **ELECTROCOAGULATION**

ABNORMALITIES

Teratogenically induced fetal anomalies. Hoyme HE. **Clin Perinatol** 1990 Sep;17(3):547–67 (101 ref.)
Early miscarriage and fetal malformations after induction of ovulation (by clomiphene citrate and/or human menotropins), in vitro fertilization, and gamete intrafallopian transfer. Shoham Z, et al. **Fertil Steril** 1991 Jan;55(1):1–11 (88 ref.)

CLASSIFICATION

A pathogenesis-oriented classification of congenital abnormalities. Czeizel A. **Acta Morphol Hung** 1990; 38(3–4):269–76 (23 ref.)

DIAGNOSIS

ABC of antenatal care. Detection and management of congenital abnormalities—I [see comments] Chamberlain G. **BMJ** 1991 Apr 20;302(6782):949–50 (0 ref.) Comment in: BMJ 1991 May 18;302(6786):1209.
ABC of antenatal care. Detection and management of congenital abnormalities—II. Chamberlain G. **BMJ** 1991 Apr 27;302(6783):1013–6 (0 ref.)
Sonographic screening for anatomic defects. Holzgreve W. **Semin Perinatol** 1990 Dec;14(6):504–13 (59 ref.)
[Alpha fetoprotein concentration in the amniotic fluid in normal pregnancy and in pregnancy complicated by fetal anomaly] Szabó M, et al. **Orv Hetil** 1990 Sep 30; 131(39):2139–42 (22 ref.) (Eng. Abstr.) **(Hun)**

EMBRYOLOGY

Dr. Beverly R. Rollnick memorial lecture. Normal and abnormal craniofacial embryogenesis. Sulik KK. **Birth Defects** 1990;26(3):1–18 (33 ref.)
Whole embryo culture, teratogenesis, and the estimation of teratologic risk. New DA. **Teratology** 1990 Dec; 42(6):635–42 (36 ref.)
[Developmental abnormalities in humans] Opitz JM. **Monatsschr Kinderheilkd** 1991 May;139(5):259–72 (111 ref.) (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Determination of amniotic fluid acetylcholinesterase activity in the antenatal diagnosis of foetal malformations: the first ten years. Loft AG. **J Clin Chem Clin Biochem** 1990 Dec; 28(12):893–911 (115 ref.)

EPIDEMIOLOGY

Five-decade international trends in the relation of perinatal mortality and congenital malformations: stillbirth and neonatal death compared. Kalter H. **Int J Epidemiol** 1991 Mar;20(1):173–9 (45 ref.)
Pattern of congenital malformations in Nigerian children. Odelowo EO, et al. **Int Surg** 1991 Jan-Mar;76(1):43–8 (28 ref.)

ETIOLOGY

Effects of heat and chemical stress on development. Petersen NS. **Adv Genet** 1990;28:275–96 (110 ref.)
A review of adverse effects on reproduction amongst female computer terminal workers. Ong CN, et al. **Ann Acad Med Singapore** 1990 Sep;19(5):649–55 (52 ref.)
Congenital malformations in infants of diabetic mothers. Hernandez JA. **Curr Opin Obstet Gynecol** 1989 Dec; 1(2):177–83 (12 ref.)
Clinical approach to human structural defects. Graham JM. **Semin Perinatol** 1991 Feb;15(1 Suppl 1):2–15 (18 ref.)
[Current problems of ante- and perinatal pathology] Milovanov AP, et al. **Vestn Akad Med Nauk SSSR** 1991; (5):3–7 (32 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Applications of the concept of attributable fraction in medical genetics. Khoury MJ, et al. **Am J Med Genet** 1991 Aug 1;40(2):177–82 (34 ref.)
The T/t complex and the genetic control of mouse development. Shin HS. **Immunol Ser** 1989;43:443–71 (182 ref.)

PREVENTION & CONTROL

Birth defect prevention. Nursing interventions. Pletsch PK. **J Obstet Gynecol Neonatal Nurs** 1990 Nov-Dec; 19(6):482–8 (28 ref.)
[Ways of reducing perinatal morbidity and mortality due to hereditary pathology] Kulakov VI, et al. **Vestn Akad Med Nauk SSSR** 1991;(5):8–11 (35 ref.) (Eng. Abstr.) **(Rus)**

SURGERY

Update on the status of fetal surgery. Longaker MT, et al. **Surg Annu** 1991;23 Pt 2:53–68 (60 ref.)

ULTRASONOGRAPHY

Clinical approach to prenatal detection of human structural defects. Graham JM Jr, et al. **Clin Perinatol** 1990 Sep; 17(3):513–46 (48 ref.)
Fetal anomalies. Holzgreve PD. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):215–22 (31 ref.)

VETERINARY

Genetic diseases of sheep and goats. Basrur PK, et al. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):779–802 (97 ref.)

ABNORMALITIES, DRUG-INDUCED

see related
TERATOGENS

Teratogenically induced fetal anomalies. Hoyme HE. **Clin Perinatol** 1990 Sep;17(3):547–67 (101 ref.)
Cocaine effects on fetal development: a comparison of clinical and animal research findings. Dow-Edwards DL. **Neurotoxicol Teratol** 1991 May-Jun;13(3):347–52 (42 ref.)
Fetal and neonatal effects of treatment with angiotensin-converting enzyme inhibitors in pregnancy. Hanssens M, et al. **Obstet Gynecol** 1991 Jul;78(1):128–35 (34 ref.)
Developmental toxicity and safety evaluations of ribavirin. Johnson EM. **Pediatr Infect Dis J** 1990 Sep;9(9 Suppl):S85–7 (4 ref.)
Angiotensin-converting enzyme inhibitors, an embryopathic class of drugs with unique properties: information for clinical teratology counselors. Brent RL, et al. **Teratology** 1991 Jun;43(6):543–6 (36 ref.)
[Progress report. What can one expect from a "functional prenatal toxicology?"] Bleyl DW. **Nahrung** 1990; 34(9):843–55 (63 ref.) (Eng. Abstr.) **(Ger)**
[Treatment of malignant neoplasms in pregnancy. II] Robak T, et al. **Przegl Lek** 1990;47(8):603–6 (23 ref.) **(Pol)**
[Treatment of neoplasms in pregnancy. I] Robak T, et al. **Przegl Lek** 1990;47(7):562–4 (16 ref.) **(Pol)**
[Hygienic significance of late effects of chemical substances and their standardization (review of the literature)] Riazanova RA. **Gig Sanit** 1990 Nov;(11):72–5 (34 ref.) **(Rus)**

EPIDEMIOLOGY

Great Lakes embryo mortality, edema, and deformities syndrome (GLEMEDS) in colonial fish-eating birds: similarity to chick-edema disease. Gilbertson M, et al. **J Toxicol Environ Health** 1991 Aug;33(4):455–520 (202 ref.)

ETIOLOGY

Spermicides, hormonal contraception and congenital malformations. Simpson JL, et al. **Adv Contracept** 1990 Sep; 6(3):141–67 (84 ref.)
Teratogenic effects of alcohol on brain development. West JR, et al. **Ann Med** 1990;22(5):319–25 (43 ref.)
Anticonvulsants in pregnancy. Meadow R. **Arch Dis Child** 1991 Jan;66(1 Spec No):62–5 (39 ref.)
Developmental pathogenesis of defects associated with prenatal cocaine exposure: fetal vascular disruption. Jones KL. **Clin Perinatol** 1991 Mar;18(1):139–46 (24 ref.)
Teratogenesis: alcohol, angiotensin-converting-enzyme inhibitors, and cocaine. Beckman DA, et al. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):236–45 (19 ref.)
Spina bifida in infants of women treated with carbamazepine

during pregnancy [see comments] Rosa FW. **N Engl J Med** 1991 Mar 7;324(10):674–7 (26 ref.) Comment in: N Engl J Med 1991 Mar 7;324(10):690–1.

Effects of drugs on the fetus. Berlin CM Jr. **Pediatr Rev** 1991 Mar;12(9):282–7 (0 ref.)

Effects of parental occupational exposures on spontaneous abortion and congenital malformation. Taskinen HK. **Scand J Work Environ Health** 1990 Oct;16(5):297–314 (149 ref.)

A critical review of the developmental toxicity and teratogenicity of 2,3,7,8–tetrachlorodibenzo–p–dioxin: recent advances toward understanding the mechanism. Couture LA, et al. **Teratology** 1990 Dec;42(6):619–27 (72 ref.)

Conium, Lupinus, and Nicotiana alkaloids: fetal effects and the potential for residues in milk. Panter KE, et al. **Vet Hum Toxicol** 1990;32 Suppl:89–93; discussion 93–4 (51 ref.)

[Combined effects of embryotoxic and teratogenic environmental chemical factors (review of the literature)] Litvinov NN, et al. **Gig Sanit** 1990 Nov;(11):80–2 (50 ref.) **(Rus)**

[Late toxic effects of chlorophos (review of the literature)] Nedopitanskaia NN, et al. **Gig Sanit** 1991 Mar;(3):61–4 (69 ref.) **(Rus)**

PREVENTION & CONTROL

Regulating teratogenicity as a health risk. Gilden N, et al. **Soc Sci Med** 1991;32(10):1191–8 (72 ref.)

ABNORMALITIES, MULTIPLE

Baller–Gerold syndrome: an 11th case of craniosynostosis and radial aplasia. Boudreaux JM, et al. **Am J Med Genet** 1990 Dec;37(4):447–50 (10 ref.)

Noonan–like/multiple giant cell lesion syndrome. Cohen MM Jr, et al. **Am J Med Genet** 1991 Aug 1;40(2):159–66 (49 ref.)

Central nervous system malformations in the CHARGE association. Lin AE, et al. **Am J Med Genet** 1990 Nov; 37(3):304–10 (76 ref.)

Congenital heart disease and Robinow syndrome: coincidence or an additional component of the syndrome? Webber SA, et al. **Am J Med Genet** 1990 Dec;37(4):519–21 (9 ref.)

Prolonged survival with isolated levocardia and situs inversus. Vijayakumar V, et al. **Cleve Clin J Med** 1991 May–Jun;58(3):243–7 (25 ref.)

Coffin–Siris syndrome. Levy P, et al. **J Med Genet** 1991 May; 28(5):338–41 (19 ref.)

Primary primitive neuroectodermal tumor of the spinal cord associated with neural tube defect. Freyer DR, et al. **Pediatr Neurosci** 1989;15(4):181–7 (36 ref.)

[Renal agenesis, bicornuate uterus and cyst of the Gartner's duct] Staerman F, et al. **Ann Pediatr (Paris)** 1991 May; 38(5):341–3 (7 ref.) (Eng. Abstr.) **(Fre)**

[Chronic intestinal pseudo–obstruction syndrome in infants and associated anomalies] Destuynder R, et al. **Arch Fr Pediatr** 1991 Feb;48(2):119–22 (18 ref.) (Eng. Abstr.) **(Fre)**

[Association of cor triatriatum and obstruction of abnormal left pulmonary venous drainage. Apropos of a case] Camilleri L, et al. **Arch Mal Coeur Vaiss** 1991 Mar; 84(3):409–12 (10 ref.) (Eng. Abstr.) **(Fre)**

[Ophthalmological anomalies of the GAPO syndrome (growth retardation, alopecia, pseudo–anodontia, optic atrophy). Apropos of a case] Dellac M, et al. **J Fr Ophtalmol** 1990;13(11–12):547–50 (8 ref.) (Eng. Abstr.) **(Fre)**

[Omphalocele and laparoschisis] Demarche M, et al. **Rev Med Liege** 1990 Oct;45(10):504–12 (29 ref.) **(Fre)**

[Solomon's syndrome associated with fibrous dysplasia of bone and vitamin–resistant rickets] Feldmann JL, et al. **Rev Rhum Mal Osteoartic** 1990 Dec;57(12):881–4 (37 ref.) **(Fre)**

[Seckel's syndrome associated with atrial septal defect: a case report and review of the literature in Japan] Fukuda S, et al. **Kyobu Geka** 1991 May;44(5):411–3 (20 ref.) (Eng. Abstr.) **(Jpn)**

[Clinical and genetic heterogeneity in Robinow's syndrome. Report of a new case and review of the literature I] Oliván Gonzalvo G, et al. **An Esp Pediatr** 1990 Jul;33(1):76–81 (31 ref.) **(Spa)**

CLASSIFICATION

A pathogenesis–oriented classification of congenital abnormalities. Czeizel A. **Acta Morphol Hung** 1990; 38(3–4):269–76 (23 ref.)

Holoprosencephaly–polydactyly ('pseudotrisomy 13') syndrome: a syndrome with features of hydrolethalus and Smith–Lemli–Opitz syndromes. A collaborative multicentre study. Verloes A, et al. **J Med Genet** 1991 May; 28(5):297–303 (34 ref.)

DIAGNOSIS

Mesomelic dysplasia with absence of fibulae and hexadactyly: Nievergelt syndrome or new syndrome? Petrella R, et al. **Am J Med Genet** 1990 Sep;37(1):10–4 (16 ref.)

An interesting case presentation: pulmonary malformations associated with oculoauriculovertebral dysplasia (Goldenhar anomalad). Downing GJ, et al. **J Perinatol** 1991 Jun;11(2):190–2 (16 ref.)

[7–week–old infant with a hydrolethalus syndrome: case report, differential diagnosis and literature review] Haverkamp F, et al. **Klin Padiatr** 1990 Nov–Dec; 202(6):387–90 (17 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

[Seminal duct abnormalities in cryptorchism: our experience with 334 cases] Cicigoi A, et al. **Arch Ital Urol Nefrol Androl** 1991 Mar;63(1):107–11 (18 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Rokitansky sequence in association with the facio–auriculo–vertebral sequence: part of a mesodermal malformation spectrum? Wulfsberg EA, et al. **Am J Med Genet** 1990 Sep;37(1):100–2 (18 ref.)

GENETICS

Deletion of 16q with prolonged survival and unusual radiographic manifestations. Casamassima AC, et al. **Am J Med Genet** 1990 Dec;37(4):504–9 (18 ref.)

Pseudo–trisomy 13 syndrome. Cohen MM Jr, et al. **Am J Med Genet** 1991 Jun 1;39(3):332–5; discussion 336–7 (16 ref.)

Autosomal recessive Peters anomaly, typical facial appearance, failure to thrive, hydrocephalus, and other anomalies: further delineation of the Krause–Kivlin syndrome. Frydman M, et al. **Am J Med Genet** 1991 Jul 1;40(1):34–40 (28 ref.)

A child with multiple congenital anomalies and karyotype 46,XY,del(14)(q31q32.3): further delineation of chromosome 14 interstitial deletion syndrome. Gorski JL, et al. **Am J Med Genet** 1990 Dec;37(4):471–4 (6 ref.)

The syndrome of Hirschsprung disease, microcephaly, unusual face, and mental retardation. Halal F, et al. **Am J Med Genet** 1990 Sep;37(1):106–8 (11 ref.)

Penta X syndrome: a case report with review of the literature. Kassai R, et al. **Am J Med Genet** 1991 Jul 1;40(1):51–6 (25 ref.)

The Cohen syndrome: does mottled retina separate a Finnish and a Jewish type? Kondo I, et al. **Am J Med Genet** 1990 Sep;37(1):109–13 (23 ref.)

Simpson–Golabi–Behmel syndrome with severe cardiac arrhythmias. König R, et al. **Am J Med Genet** 1991 Feb–Mar;38(2–3):244–7 (8 ref.)

Sexual discordance in monozygotic twins. Perlman EJ, et al. **Am J Med Genet** 1990 Dec;37(4):551–7 (42 ref.)

Adjacent–2 disjunction of a maternal t(9;22) leading to duplication 9pter——q22 and deficiency of 22pter——q11.2. Pivnick EK, et al. **Am J Med Genet** 1990 Sep;37(1):92–6 (20 ref.)

Five children with del (2)(q31q33) and one individual with dup (2)(q31q33) from a single family: review of brain, cardiac, and limb malformations. Ramer JC, et al. **Am J Med Genet** 1990 Nov;37(3):392–400 (23 ref.)

EEC syndrome: report on 20 new patients, clinical and genetic considerations. Rodini ES, et al. **Am J Med Genet** 1990 Sep;37(1):42–53 (93 ref.)

Interstitial deletion of 4(q21q25) in a liveborn male. Rose NC, et al. **Am J Med Genet** 1991 Jul 1;40(1):77–9 (7 ref.)

Trisomy 14 mosaicism in a 5–year–old boy. Vachvanichsanong P, et al. **Am J Med Genet** 1991 Jul 1; 40(1):80–3 (37 ref.)

Joubert syndrome: a clinical and pathological description of an affected male and a female fetus from the same sibship. van Dorp DB, et al. **Am J Med Genet** 1991 Jul 1;40(1):100–4 (23 ref.)

Joubert syndrome. Review of the fifty–three cases so far published. Cantani A, et al. **Ann Genet** 1990;33(2):96–8 (32 ref.)

Trisomy 9 mosaicism in a girl with multiple malformations. Diaz–Mares L, et al. **Ann Genet** 1990;33(3):165–8 (12 ref.)

Unusual mosaic trisomy 13 through 13/13 translocation and monosomy 13 with a small ring. Jalal SM, et al. **Ann Genet** 1990;33(3):173–5 (11 ref.)

Duplication 16q12——qter arising from 3:1 segregation in a 46,XX,t(13;16) (q12;q12) mother. Pérez–Castillo A, et al. **Ann Genet** 1990;33(2):121–3 (19 ref.)

Cardio–facio cutaneous syndrome: neurological manifestations. Gross–Tsur V, et al. **Clin Genet** 1990 Nov; 38(5):382–6 (5 ref.)

The cerebro–reno–digital syndromes: a new community. Lurie IW, et al. **Clin Genet** 1991 Feb;39(2):104–13 (34 ref.)

The inheritance of conotruncal malformations: a review and report of two siblings with tetralogy of Fallot with pulmonary atresia. Wulfsberg EA, et al. **Clin Genet** 1991 Jul;40(1):12–6 (13 ref.)

Trisomy 18 and 18p– features in a case of isochromosome 18q [46,XY,i(18q)]: prenatal diagnosis and autopsy report. Wurster–Hill DH, et al. **Clin Genet** 1991 Feb;39(2):142–8 (19 ref.)

Congenital heart defects in malformation syndromes. Lin AE. **Clin Perinatol** 1990 Sep;17(3):641–73 (182 ref.)

Old syndromes and new cytogenetics. Punnett HH, et al. **Dev Med Child Neurol** 1990 Sep;32(9):824–31 (32 ref.)

Cerebral midline developmental anomalies: spectrum and associated features. Delezoide AL, et al. **Genet Couns** 1990; 1(3–4):197–210 (22 ref.)

Mosaic 46, XY/47,XY, + der(18)t(Y;18)(q11.22;q11.2) karyotype, moderate mental retardation and non–specific dysmorphism. Fryns JP, et al. **Genet Couns** 1990;1(2):173–7 (10 ref.)

Wilms tumour: a developmental anomaly. Hastie ND, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:145–50 (14 ref.)

Alagille syndrome and deletion of 20p. Anad F, et al. **J Med Genet** 1990 Dec;27(12):729–37 (15 ref.)

Tetraploidy in a liveborn infant. López Pajares I, et al. **J Med Genet** 1990 Dec;27(12):782–3 (4 ref.)

Iris coloboma, ptosis, hypertelorism, and mental retardation: a new syndrome possibly localised on chromosome 2. Pallotta R. **J Med Genet** 1991 May;28(5):342–4 (7 ref.)

Partial duplication of the long arm of chromosome 6: a clinically recognisable syndrome. Pivnick EK, et al. **J Med Genet** 1990 Aug;27(8):523–6 (20 ref.)

Two brothers with heart defects and limb shortening: case reports and review. Reardon W, et al. **J Med Genet** 1990 Dec;27(12):746–51 (7 ref.)

Interstitial deletion of the long arm of chromosome 18, del(18)(q12.2q21.1): a report of three cases of an autosomal deletion with a mild phenotype. Schinzel A, et al. **J Med Genet** 1991 May;28(5):352–5 (4 ref.)

Wolf syndrome. Katz DS, et al. **Pediatr Radiol** 1991; 21(5):369–72 (16 ref.)

[Holt–Oram syndrome] Elek C, et al. **Orv Hetil** 1991 Jan 13;132(2):73–4, 77–8 (25 ref.) (Eng. Abstr.) **(Hun)**

[Infantilism and puberal retardation of gonadal origin] Casado de Frías E, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 42:46–53 (47 ref.) **(Spa)**

[Choreoathetosis induced by diphenylhydantoin in and infant with CHARGE syndrome] Martínez Orgado J, et al. **An Esp Pediatr** 1990 Oct;33(4):384–6 (18 ref.) **(Spa)**

[Evidence of heterogeneity in dyssegmental dysplasia] Oliván Gonzalvo G, et al. **An Esp Pediatr** 1990 Sep;33(3):213–23 (28 ref.) (Eng. Abstr.) **(Spa)**

[Congenital multiple arthrogryposis. Clinical and genetic study] Gallegos–Rivera M, et al. **Bol Med Hosp Infant Mex** 1991 Feb;48(2):88–95 (15 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Pseudodiastrophic dysplasia evolution with age and management. Report of two new cases and review of the literature. Canki–Klain N, et al. **Ann Genet** 1990; 33(3):129–36 (8 ref.)

Neurenteric cysts with meningomyelocele or meningocele. Split notochord syndrome. Ebisu T, et al. **Childs Nerv Syst** 1990 Dec;6(8):465–7 (14 ref.)

Associated occurrence of persistent truncus arteriosus and asplenia. Gumbiner CH, et al. **Pediatr Cardiol** 1991 Jul; 12(3):192–5 (17 ref.)

Structural abnormalities of the craniofacial complex and congenital malformations. Poole AE, et al. **Pediatr Clin North Am** 1991 Oct;38(5):1089–125 (24 ref.)

[Acrocallosal syndrome—an autopsy case report and literature review] Li JW, et al. **Chung Hua I Hsueh Tsa Chih** 1991 Aug;48(2):139–46 (58 ref.) (Eng. Abstr.) **(Chi)**

RADIOGRAPHY

Hepatobiliary anomalies associated with polysplenia syndrome. Gagner M, et al. **Gastrointest Radiol** 1991 Spring;16(2):167–71 (20 ref.)

SURGERY

Anaesthesia for Proteus syndrome. Pennant JH, et al. **Anaesthesia** 1991 Feb;46(2):126–8 (12 ref.)

[Successful surgical treatment of a case of corrected transposition in situs inversus with associated anomalies] Matsui Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jun;39(6):967–73 (21 ref.) (Eng. Abstr.) **(Jpn)**

[Complete duplication of the urethra in males, associated with esophageal atresia: 2 cases] Agra Cadarso B, et al. **Cir Pediatr** 1989 Apr;2(2):83–5 (8 ref.) (Eng. Abstr.) **(Spa)**

[Pygopagus Siamese twins. Surgical treatment] Rollán Villamarín V, et al. **Cir Pediatr** 1991 Apr;4(2):112–6 (12 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Biomechanical management of children and adolescents with Down syndrome. Caselli MA, et al. **J Am Podiatr Med Assoc** 1991 Mar;81(3):119–27 (34 ref.)

ULTRASONOGRAPHY

Double uterus with an obstructed hemivagina and ipsilateral renal agenesis: report of 5 cases and a review of the literature. Lin CC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1991 Feb;90(2):195–201 (18 ref.)

ABNORMALITIES, RADIATION–INDUCED

Ionising radiation and the developing human brain. Schull WJ. **Ann ICRP** 1991;22(1):95–118 (56 ref.)

Detriment in humans after irradiation in utero. Mole RH. **Int J Radiat Biol** 1991 Sep;60(3):561–4 (73 ref.)

[Treatment of neoplasms in pregnancy. I] Robak T, et al. **Przegl Lek** 1990;47(7):562–4 (16 ref.) **(Pol)**

ETIOLOGY

Effects of parental occupational exposures on spontaneous abortion and congenital malformation. Taskinen HK. **Scand J Work Environ Health** 1990 Oct;16(5):297–314 (149 ref.)

ABO BLOOD-GROUP SYSTEM

Expression and biosynthesis of ABH-related carbohydrate antigens in normal and pathologic human urothelium. Orntoft TF. **APMIS Suppl** 1990;17:1–34 (150 ref.)

[Prognostic value of the expression of ABH isoantigens in tumors of the bladder urothelium] Anton Aparicio LM, et al. **Rev Med Univ Navarra** 1989 Apr–Jun;33(2):111–2 (12 ref.) (Eng. Abstr.) **(Spa)**

GENETICS

Monoclonal antibodies as tools in genetic studies on carbohydrate blood group antigens. Watkins WM. **J Immunogenet** 1990 Aug–Oct;17(4–5):259–76 (86 ref.)

The major blood group ABO(H) determining genes are isolated. Feizi T. **Trends Biochem Sci** 1990 Sep;15(9):330–1 (21 ref.)

IMMUNOLOGY

The ABO, Hh, secretor, and Lewis systems. Marcus DM. **Immunol Ser** 1989;43:685–99 (33 ref.)

ABO FACTORS see **ABO BLOOD-GROUP SYSTEM**

ABOMASUM

[The treatment of left abomasal displacement in cattle] van der Velden MA. **Tijdschr Diergeneeskd** 1991 May 1; 116(9):445–53 (45 ref.) (Eng. Abstr.) **(Dut)**

PHYSIOLOGY

[Emptying of the abomasum in adult ruminants] Malbert CH, et al. **Reprod Nutr Dev** 1991;31(1):1–25 (95 ref.) (Eng. Abstr.) **(Fre)**

ABORIGINES

Cardiovascular disease risk factors in Australian aborigines. O'Dea K. **Clin Exp Pharmacol Physiol** 1991 Feb;18(2):85–8 (10 ref.)

Westernisation, insulin resistance and diabetes in Australian aborigines. O'Dea K. **Med J Aust** 1991 Aug 19; 155(4):258–64 (55 ref.)

PSYCHOLOGY

The social and family context of aboriginal self-harmful behaviour in remote Australia. Hunter EM. **Aust N Z J Psychiatry** 1991 Jun;25(2):203–9 (33 ref.)

Alcohol prevention in New Zealand: working towards a national alcohol policy. Laurs MR. **Int J Addict** 1990–91; 25(4A):513–32 (46 ref.)

ABORTIFACIENT AGENTS

Medical methods to terminate early pregnancy. Swahn ML, et al. **Baillieres Clin Obstet Gynaecol** 1990 Jun;4(2):293–306 (58 ref.)

ADMINISTRATION & DOSAGE

Intrauterine administration of drugs for termination of pregnancy in the second trimester. Toppozada M, et al. **Baillieres Clin Obstet Gynaecol** 1990 Jun;4(2):327–49 (96 ref.)

PHARMACOLOGY

Uterine contractility during pregnancy and the effect of abortifacient drugs. Bygdeman M, et al. **Baillieres Clin Obstet Gynaecol** 1990 Jun;4(2):249–61 (51 ref.)

The physiology of cervical ripening and cervical dilatation and the effect of abortifacient drugs. Uldbjerg N, et al. **Baillieres Clin Obstet Gynaecol** 1990 Jun;4(2):263–82 (98 ref.)

ABORTIFACIENT AGENTS, STEROIDAL

Progesterone receptor antagonists and prostaglandins in human fertility regulation: a clinical review. Healy DL. **Reprod Fertil Dev** 1990;2(5):477–90 (51 ref.)

ABORTION

Fertility after contraception or abortion. Huggins GR, et al. **Fertil Steril** 1990 Oct;54(4):559–73 (109 ref.)

Early miscarriage and fetal malformations after induction of ovulation (by clomiphene citrate and/or human menotropins), in vitro fertilization, and gamete intrafallopian transfer. Shoham Z, et al. **Fertil Steril** 1991 Jan;55(1):1–11 (88 ref.)

CHEMICALLY INDUCED

Advances in early fetal loss research: importance for risk assessment. Sweeney AM, et al. **Environ Health Perspect** 1991 Jan;90:165–9 (19 ref.)

Fetal and neonatal effects of treatment with angiotensin-converting enzyme inhibitors in pregnancy. Hanssens M, et al. **Obstet Gynecol** 1991 Jul;78(1):128–35 (34 ref.)

[Combined effects of embryotoxic and teratogenic environmental chemical factors (review of the literature)] Litvinov NN, et al. **Gig Sanit** 1990 Nov;(11):80–2 (50 ref.) **(Rus)**

DIAGNOSIS

Managing miscarriage. The need for more than medical mechanics. Wells RG. **Postgrad Med** 1991 Feb 1; 89(2):207–12 (12 ref.)

EPIDEMIOLOGY

Measurement of total risk of spontaneous abortion: the virtue of conditional risk estimation. Modvig J, et al. **Am J Epidemiol** 1990 Dec;132(6):1021–38 (53 ref.)

Frequency of implantation and early pregnancy loss in natural cycles. Chard T. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):179–89 (55 ref.)

ETIOLOGY

A review of adverse effects on reproduction amongst female computer terminal workers. Ong CN, et al. **Ann Acad Med Singapore** 1990 Sep;19(5):649–55 (52 ref.)

The role of chromosome abnormalities in reproductive failure. Jacobs PA. **Reprod Nutr Dev** 1990;Suppl 1:63s–74s (16 ref.)

Effects of parental occupational exposures on spontaneous abortion and congenital malformation. Taskinen HK. **Scand J Work Environ Health** 1990 Oct;16(5):297–314 (149 ref.)

[Current problems of ante- and perinatal pathology] Milovanov AP, et al. **Vestn Akad Med Nauk SSSR** 1991; (5):3–7 (32 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Pathology of abortion: chromosomal and genetic correlations. Kalousek DK. **Monogr Pathol** 1991; (33):228–56 (99 ref.)

A cytogenetic study of spontaneous abortions with direct analysis of chorionic villi. Ohno M, et al. **Obstet Gynecol** 1991 Mar;77(3):394–8 (11 ref.)

IMMUNOLOGY

Immunologic basis of reproductive failure. Tung KS, et al. **Monogr Pathol** 1991;(33):308–33 (139 ref.)

PATHOLOGY

Examination of the early conceptus. Szulman AE. **Arch Pathol Lab Med** 1991 Jul;115(7):696–700 (24 ref.)

Pathology of abortion: chromosomal and genetic correlations. Kalousek DK. **Monogr Pathol** 1991; (33):228–56 (99 ref.)

PHYSIOPATHOLOGY

Implantation failure: clinical aspects. Yovich J, et al. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):211–52 (114 ref.)

PSYCHOLOGY

[Health and psychosocial effects of miscarriage] Läpple M. **Fortschr Neurol Psychiatr** 1991 May;59(5):155–63 (87 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Spontaneous abortion. McBride WZ. **Am Fam Physician** 1991 Jan;43(1):175–82 (26 ref.)

ABORTION, CRIMINAL

LEGISLATION & JURISPRUDENCE

Pregnancy termination and the law in Nigeria. Okagbue I. **Stud Fam Plann** 1990 Jul–Aug;21(4):197–208 (50 ref.)

ABORTION, HABITUAL

ETIOLOGY

Antiphospholipid antibodies and recurrent pregnancy loss. Brown HL. **Clin Obstet Gynecol** 1991 Mar;34(1):17–26 (76 ref.)

[Differential diagnostic considerations in the assessment of habitual abortion] Beck A, et al. **Wien Med Wochenschr** 1990;140(22):535–41 (49 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

Paracentric inversion 14. Miller K, et al. **Ann Genet** 1990; 33(4):225–7 (16 ref.)

IMMUNOLOGY

Immunological mechanisms in recurrent spontaneous abortion. Hill JA, et al. **Arch Immunol Ther Exp (Warsz)** 1990;38(1–2):111–9 (47 ref.)

Recurrent miscarriage: a review of current concepts, immune mechanisms, and results of treatment. Carp HJ, et al. **Obstet Gynecol Surv** 1990 Oct;45(10):657–69 (101 ref.)

[The HLA system and habitual abortion] Hajek-Rosenmayr A. **Wien Med Wochenschr** 1990;140(22):542–4 (7 ref.) (Eng. Abstr.) **(Ger)**

[Immunologic diagnosis and therapy in habitual abortion] Schwartz D, et al. **Wien Med Wochenschr** 1990; 140(22):547–50 (24 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Trials and tribulation in the treatment of recurrent spontaneous abortion. Clark DA, et al. **Am J Reprod Immunol** 1991 Jan;25(1):18–24 (65 ref.)

ABORTION, ILLEGAL see **ABORTION, CRIMINAL**

ABORTION, INDUCED

Abortion. Blumenthal PD. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):496–500 (17 ref.)

Antibiotic prophylaxis in hysterectomy and induced abortion. A review of the evidence. Houang ET. **Drugs** 1991 Jan; 41(1):19–37 (102 ref.)

Mifepristone (RU486) alone or in combination with a prostaglandin analogue for termination of early pregnancy: a review. Avrech OM, et al. **Fertil Steril** 1991 Sep; 56(3):385–93 (79 ref.)

ADVERSE EFFECTS

The effect of pregnancy termination on future reproduction. Atrash HK, et al. **Baillieres Clin Obstet Gynaecol** 1990 Jun; 4(2):391–405 (53 ref.)

Induced abortion as cancer risk factor: a review of epidemiological evidence. Remennick LI. **J Epidemiol Community Health** 1990 Dec;44(4):259–64 (53 ref.)

[Artificial abortion as a risk factor of cancer] Remennik LI. **Vopr Onkol** 1990;36(12):1428–34 (43 ref.) **(Rus)**

METHODS

Non-invasive methods for termination of second trimester pregnancy. Bygdeman M. **Baillieres Clin Obstet Gynaecol** 1990 Jun;4(2):351–9 (24 ref.)

Pretreatment of the cervix prior to surgical evacuation of the uterus in the late first and early second trimester of pregnancy. Herczeg J. **Baillieres Clin Obstet Gynaecol** 1990 Jun;4(2):307–25 (45 ref.)

Acceptability of abortion methods. Rosén AS. **Baillieres Clin Obstet Gynaecol** 1990 Jun;4(2):375–90 (17 ref.)

Medical methods to terminate early pregnancy. Swahn ML, et al. **Baillieres Clin Obstet Gynaecol** 1990 Jun;4(2):293–306 (58 ref.)

Intrauterine administration of drugs for termination of pregnancy in the second trimester. Toppozada M, et al. **Baillieres Clin Obstet Gynaecol** 1990 Jun;4(2):327–49 (96 ref.)

[Techniques, results and indications of embryonic reductions in multiple pregnancies. Review of the literature] Boulot P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991; 20(3):309–16 (36 ref.) (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Does obstetric ethics have any role in the obstetrician's response to the abortion controversy? [see comments] Chervenak FA, et al. **Am J Obstet Gynecol** 1990 Nov;163(5 Pt 1):1425–9 (17 ref.) Comment in: Am J Obstet Gynecol 1991 Jun;164(6 Pt 1):1686.

STATISTICS & NUMERICAL DATA

Epidemiologic characteristics of preterm delivery: etiologic heterogeneity. Savitz DA, et al. **Am J Obstet Gynecol** 1991 Feb;164(2):467–71 (24 ref.)

Abortion: a legal and public health perspective. Kunins H, et al. **Annu Rev Public Health** 1991;12:361–82 (82 ref.)

Termination of pregnancy—a global view. Segal SJ, et al. **Baillieres Clin Obstet Gynaecol** 1990 Jun;4(2):235–47 (19 ref.)

TRENDS

Future direction of abortion technology. Kovács L. **Baillieres Clin Obstet Gynaecol** 1990 Jun;4(2):407–14 (16 ref.)

VETERINARY

Current and proposed methods for contraception and termination of pregnancy in dogs and cats. Concannon PW, et al. **J Am Vet Med Assoc** 1991 Apr 1;198(7):1214–25 (76 ref.)

Elective termination of pregnancy in mares. Paccamonti DL. **J Am Vet Med Assoc** 1991 Feb 15;198(4):683–9 (45 ref.)

Use of prostaglandin F2 alpha for early pregnancy termination in the mismated bitch. Romagnoli SE, et al. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):487–99 (40 ref.)

ABORTION, LEGAL

Abortion: a legal and public health perspective. Kunins H, et al. **Annu Rev Public Health** 1991;12:361–82 (82 ref.)

PSYCHOLOGY

Mandatory parental involvement prior to adolescent abortion. Worthington EL Jr, et al. **J Adolesc Health** 1991 Mar;12(2):138–42 (49 ref.)

ABORTION ON DEMAND see **ABORTION, LEGAL**

ABORTION, SEPTIC

Candida sepsis in pregnancy and the postpartum period. Potasman I, et al. **Rev Infect Dis** 1991 Jan–Feb;13(1):146–9 (25 ref.)

ABORTION, THERAPEUTIC

Prostaglandins as therapy for labour induction or therapeutic abortion. Calder AA. **Reprod Fertil Dev** 1990;2(5):553–6 (8 ref.)

[Anesthesiology problems in Takayasu's syndrome] Gaida BJ, et al. **Anaesthesist** 1991 Jan;40(1):1–6 (79 ref.) (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

The psychological sequelae of therapeutic abortion—denied and completed. Dagg PK. **Am J Psychiatry** 1991 May; 148(5):578–85 (80 ref.)

METHODS

Medical management of abnormal pregnancy. Ratnam SS, et al. **Baillieres Clin Obstet Gynaecol** 1990 Jun;4(2):361–74 (34 ref.)

[Embryo reduction techniques] Arvis P. **Rev Fr Gynecol Obstet** 1991 Feb 15;86(2):109–13 (12 ref.) (Eng. Abstr.) **(Fre)**

ABORTION, THREATENED

THERAPY

[Immunomodulating therapy in various complications of the gestational period] Nazarenko LG. **Akush Ginekol (Mosk)** 1990 Nov;(11):12–5 (53 ref.) **(Rus)**

ULTRASONOGRAPHY

[Diagnostic possibilities of transvaginal echography in the first trimester of pregnancy] Strizhakov AN, et al. **Akush Ginekol (Mosk)** 1990 Nov;(11):6–9 (43 ref.) **(Rus)**

ABORTION, VETERINARY

Current and proposed methods for contraception and termination of pregnancy in dogs and cats. Concannon PW, et al. **J Am Vet Med Assoc** 1991 Apr 1;198(7):1214–25 (76 ref.)

CHEMICALLY INDUCED

Use of prostaglandin F2 alpha for early pregnancy termination in the mismated bitch. Romagnoli SE, et al. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):487–99 (40 ref.)

EPIDEMIOLOGY

[Occurrence and significance of different Campylobacter types in domestic animals in Hungary] Varga J. **DTW Dtsch Tierarztl Wochenschr** 1990 Aug;97(8):317–21 (29 ref.) (Eng. Abstr.) **(Ger)**

ABRUPTIO PLACENTAE

Placental abruption. Lowe TW, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):406–13 (14 ref.)

CHEMICALLY INDUCED

Pregnancy, abruptio placentae and cocaine. Norman B, et al. **Indiana Med** 1990 Sep;83(9):634–9 (13 ref.)

[Mercury poisoning in pregnancy. A case report and review of the literature] Ortiz Esqueda G, et al. **Ginecol Obstet Mex** 1989 Oct;57:274–6 (11 ref.) (Eng. Abstr.) **(Spa)**

ABSCESS

Perirectal abscess in childhood: a case report and literature review. Lipsky MS, et al. **J Fam Pract** 1991 May; 32(5):524–5 (6 ref.)

COMPLICATIONS

Pyomyositis in patients with the human immunodeficiency virus: an unusual form of disseminated bacterial infection. Widrow CA, et al. **Am J Med** 1991 Aug;91(2):129–36 (46 ref.)

Prostatic abscess due to histoplasma capsulatum in the acquired immunodeficiency syndrome. Marans HY, et al. **J Urol** 1991 Jun;145(6):1275–6 (29 ref.)

Acute urinary retention in a child with appendiceal abscess: diagnostic dilemma. Noble J, et al. **Urology** 1990 Dec; 36(6):513–5 (13 ref.)

DIAGNOSIS

Acute renal infections. Thornbury JR. **Urol Radiol** 1991; 12(4):209–13 (7 ref.)

[A case of urachal abscess] Irisawa C, et al. **Hinyokika Kiyo** 1990 Jun;36(6):711–5 (16 ref.) (Eng. Abstr.) **(Jpn)**

[Diagnosis of early postoperative intra-abdominal complications] Kachurin VS, et al. **Vestn Khir** 1991 Jan; 146(1):134–6 (33 ref.) **(Rus)**

[Adrenal abscess in the newborn: a case report and review of the literature] Lizardo-Barahona JR, et al. **Bol Med Hosp Infant Mex** 1990 Jun;47(6):401–4 (13 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

[Splenic abscess in typhoid fever] Calleri G, et al. **Clin Ter** 1991 May 31;137(4):281–3 (10 ref.) (Eng. Abstr.) **(Ita)**

[A case of cervico-mediastinal abscess, secondary to acute tonsillitis: investigation of the treatments] Fukamoto K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1990 Jun;93(6):884–93 (40 ref.) (Eng. Abstr.) **(Jpn)**

[Active infective endocarditis complicated by paravalvular abscess. Review of 40 cases] González Vílchez FJ, et al. **Rev Esp Cardiol** 1991 May;44(5):306–12 (55 ref.) (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Yersinia enterocolitica abscess of the transverse colon. Report of a case. Sanford AH. **Dis Colon Rectum** 1990 Nov;33(11):985–6 (6 ref.)

Intra-abdominal abscess in children: a 13-year experience. Brook I. **Hosp Pract [Off]** 1990 Oct;25 Suppl 4:20–3 (23 ref.)

Neonatal renal abscess caused by Staphylococcus aureus. Dougherty FE, et al. **Pediatr Infect Dis J** 1991 Jun; 10(6):463–6 (28 ref.)

[Mycobacterium fortuitum in patients with chronic renal insufficiency: apropos of 2 cases] Viguera J, et al. **Enferm Infecc Microbiol Clin** 1990 May;8(5):286–8 (17 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Comprehensive management of acute necrotizing pancreatitis and pancreatic abscess. Stanten R, et al. **Arch Surg** 1990 Oct;125(10):1269–74; discussion 1274–5 (35 ref.)

Reoperation for intra-abdominal abscess. Fry DE, et al. **Surg Clin North Am** 1991 Feb;71(1):159–74 (30 ref.)

[A case of solitary thalamic abscess treated by sterotactic aspiration] Yoritaka A, et al. **No To Shinkei** 1990 Aug; 42(8):749–53 (19 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Current management of pancreatic abscess. Bradley EL 3d, et al. **Adv Surg** 1991;24:361–88 (106 ref.)

Percutaneous abscess and fluid drainage: a critical review. Lambiase RE. **Cardiovasc Intervent Radiol** 1991 May–Jun; 14(3):143–57 (166 ref.)

[Intra-abdominal sepsis: new therapeutic trends] García-Sabrido JL, et al. **Enferm Infecc Microbiol Clin** 1990 May;8(5):302–10 (86 ref.) **(Spa)**

ABSCESS, CEREBRAL see **BRAIN ABSCESS**

ABSCESS, HEPATIC see **LIVER ABSCESS**

ABSCESS, PERIODONTAL see **PERIODONTAL ABSCESS**

ABSCESS, PERITONSILLAR see **PERITONSILLAR ABSCESS**

ABSCESS, PULMONARY see **LUNG ABSCESS**

ABSCESS, SUBDURAL see **SUBDURAL EMPYEMA**

ABSENCE see **EPILEPSY, PETIT MAL**

ABSORPTIOMETRY, PHOTON

METHODS

[The estimation of the effective dose in bone mineral measurements with photon absorptiometry and computed tomography] Kalender WA. **Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr** 1991 Aug;155(2):149–54 (29 ref.) (Eng. Abstr.) **(Ger)**

ABSORPTION, INTESTINAL see **INTESTINAL ABSORPTION**

ABSORPTION, SKIN see **SKIN ABSORPTION**

ABSTINENCE SYNDROME, NEONATAL see **NEONATAL ABSTINENCE SYNDROME**

ABUSE OF HEALTH SERVICES see **HEALTH SERVICES MISUSE**

ABUTMENTS, DENTAL see **DENTAL ABUTMENTS**

ACADEMIC MEDICAL CENTERS

Alma Ata and health for all by the year 2000. The roles of academic institutions. Bryant JH, et al. **Infect Dis Clin North Am** 1991 Jun;5(2):403–16 (9 ref.)

ORGANIZATION & ADMINISTRATION

Medical education for alcohol and other drug abuse in the United States. Lewis DC. **Can Med Assoc J** 1990 Nov 15; 143(10):1091–6 (22 ref.)

TRENDS

Academic physicians: today's dinosaurs? Sadeghi-Nejad A, et al. **Am J Med** 1991 Mar;90(3):371–3 (17 ref.)

ACADEMIES AND INSTITUTES

[35 years of research and study in radiovirology at the Stefan S. Nicolau Institute of Virology] Burducea O. **Rev Roum Virol** 1990 Jul–Dec;41(3–4):157–69 (116 ref.) (Eng. Abstr.) **(Fre)**

[The study of the neurobiological bases of complex unconditioned reflexes at the I. P. Pavlov Physiology Department. The results of recent years] Petrov ES. **Fiziol Zh SSSR** 1990 Dec;76(12):1669–81 (30 ref.) **(Rus)**

[The development of the problem of memory transfer at the I. P. Pavlov Physiology Department] Vartanian GA, et al. **Fiziol Zh SSSR** 1990 Dec;76(12):1650–8 (41 ref.) (Eng. Abstr.) **(Rus)**

HISTORY

Neurobiology a century ago at the Marine Biological Laboratory, Woods Hole. Maienschein J. **Trends Neurosci** 1990 Oct;13(10):399–403 (22 ref.)

[The problems of arterial hypertension in the works of the scientists of the Kiev Medical Institute (on the 150th anniversary of the Institute) (a review of the literature)] Nikula TD, et al. **Vrach Delo** 1991 Feb;(2):113–8 (44 ref.) **(Rus)**

STANDARDS

[Use of various bibliometric methods in operative evaluation of research activities of the research institutions of medico-biological profile] Karas' GA, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):61–5 (13 ref.) (Eng. Abstr.) **(Rus)**

ACANTHAMOEBA

Infection of the central nervous system due to Acanthamoeba. Martinez AJ. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 5:S399–402 (44 ref.)

Acanthamoeba and disinfection of soft contact lenses. Meisler DM, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 5:S410–2 (21 ref.)

[Free-living amoebae of the Naegleria and Acanthamoeba genus] Kranjčić-Zec I. **Srp Arh Celok Lek** 1990 Jul–Aug; 118(7–8):307–11 (22 ref.) (Eng. Abstr.) **(Scc)**

CLASSIFICATION

Classification of Acanthamoeba. Visvesvara GS. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 5:S369–72 (21 ref.)

DRUG EFFECTS

In vitro evaluation of antimicrobial compounds for cysticidal activity against Acanthamoeba. Osato MS, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 5:S431–5 (49 ref.)

GENETICS

Genes of Acanthamoeba: DNA, RNA and protein sequences (a review). Byers TJ, et al. **J Protozool** 1990 Jul–Aug; 37(4):17S–25S (85 ref.)

Molecular aspects of the cell cycle and encystment of Acanthamoeba. Byers TJ, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 5:S373–84 (90 ref.)

IMMUNOLOGY

Immunity to Acanthamoeba. Ferrante A. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 5:S403–9 (40 ref.)

PATHOGENICITY

Free-living amoebae: pathogenicity and immunity. Ferrante A. **Parasite Immunol** 1991 Jan;13(1):31–47 (93 ref.)

PHYSIOLOGY

Ecology of Acanthamoeba. De Jonckheere JF. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 5:S385–7 (29 ref.)

ACANTHAMOEBA KERATITIS

DIAGNOSIS

[Acanthamoeba keratitis in hard contact lens wearers. Case

report and review of the literature of 108 cases] Lang GE, et al. **Klin Monatsbl Augenheilkd** 1991 Apr;198(4):290–4 (46 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

Introduction: the increasing importance of Acanthamoeba. Wilhelmus KR. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 5:S367–8 (20 ref.)

ETIOLOGY

The pathogenesis of Acanthamoeba keratitis. Badenoch PR. **Aust N Z J Ophthalmol** 1991 Feb;19(1):9–20 (125 ref.)

PREVENTION & CONTROL

Acanthamoeba and disinfection of soft contact lenses. Meisler DM, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 5:S410–2 (21 ref.)

ACANTHOCYTES

[Choreo-acanthocytosis] Ferrer X, et al. **Rev Neurol (Paris)** 1990;146(12):739–45 (57 ref.) (Eng. Abstr.) **(Fre)**

[Hypothyroidism and acanthocytes: diagnostic significance of blood smear] Betticher DC, et al. **Schweiz Med Wochenschr** 1991 Aug 6;121(31–32):1127–32 (75 ref.) (Eng. Abstr.) **(Fre)**

ACANTHOLYSIS

ETIOLOGY

In vitro studies of acantholysis of keratinocytes induced by pemphigus antibody. Hashimoto KH, et al. **Immunol Ser** 1989;46:277–90 (61 ref.)

IMMUNOLOGY

In vivo studies of antibody dependent acantholysis. Anhalt GJ, et al. **Immunol Ser** 1989;46:291–316 (66 ref.)

PATHOLOGY

[Two cases of transient acantholytic dermatosis—with the analysis of 20 cases reported in Japan] Kato N, et al. **Nippon Hifuka Gakkai Zasshi** 1991 Mar;101(4):453–60 (36 ref.) (Eng. Abstr.) **(Jpn)**

ACANTHOLYSIS BULLOSA see **EPIDERMOLYSIS BULLOSA**

ACANTHOSIS NIGRICANS

COMPLICATIONS

Florid cutaneous papillomatosis, malignant acanthosis nigricans, and pulmonary squamous cell carcinoma. Gheeraert P, et al. **Int J Dermatol** 1991 Mar;30(3):193–7 (25 ref.)

DIAGNOSIS

[Patch parapsoriasis simulating acanthosis nigricans in an adolescent girl] Lévigne V, et al. **Ann Dermatol Venereol** 1991;118(1):23–6 (15 ref.) **(Fre)**

ACARUS see **MITES**

ACCELERATION

Work under extreme conditions. Luczak H. **Ergonomics** 1991 Jun;34(6):687–720 (44 ref.)

ACCEPTABILITY OF HEALTH CARE see **PATIENT ACCEPTANCE OF HEALTH CARE**

ACCESSIBILITY OF HEALTH SERVICES see **HEALTH SERVICES ACCESSIBILITY**

ACCESSORY CELLS, IMMUNOLOGIC see **ANTIGEN-PRESENTING CELLS**

ACCESSORY NERVE

Surgical treatment of a rare congenital anomaly of the vertebral artery: case report and review of the literature. Vincentelli F, et al. **Neurosurgery** 1991 Mar;28(3):416–20 (42 ref.)

Neurinoma of the spinal accessory nerve: report of a case. Chang KC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1990 Jul; 89(7):593–7 (25 ref.)

INJURIES

Accessory nerve injury after carotid endarterectomy. Case report. Persson NH, et al. **Eur J Surg** 1991 Mar; 157(3):221–2 (19 ref.)

[Treatment of trapezius paralysis by transfer of the levator scapulae] Teinturier P, et al. **Rev Chir Orthop** 1990; 76(5):297–302 (19 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[Accessory nerve decompression for the treatment of spasmodic torticollis] Shima F, et al. **No Shinkei Geka** 1990 Aug;18(8):693–700 (32 ref.) **(Jpn)**

ACCIDENT PREVENTION

see related

PROTECTIVE DEVICES

The test dose in regional anaesthesia. Blomberg RG, et al. **Acta Anaesthesiol Scand** 1991 Aug;35(6):465–8 (27 ref.)

Accidents to children: the doctor's role. Education or environmental change? Sibert JR. **Arch Dis Child** 1991 Jul; 66(7):890–3 (41 ref.)

Injury control in children. Christophersen ER, et al. **Prog Behav Modif** 1991;27:104–21 (75 ref.)

[Prevention of electric accidents and electric injuries] Obermayer A. **Klin Anasthesiol Intensivther** 1990; 38:289–96; discussion 297–307 (7 ref.) **(Ger)**

ACCIDENT PRONENESS

Accident proneness and illness proneness: a review. Engel HO. **J R Soc Med** 1991 Mar;84(3):163–4 (19 ref.)

ACCIDENTAL FALLS

Vertical deceleration trauma. Principles of management. Buckman RF Jr, et al. **Surg Clin North Am** 1991 Apr; 71(2):331–44 (32 ref.)

[Falls of elderly people—a systematic evaluation is necessary] Tanzi F. **Ther Umsch** 1991 May;48(5):285–92 (21 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Preventing falls in your elderly patients. Costa AJ. **Postgrad Med** 1991 Jan;89(1):139–40, 142 (18 ref.)

STATISTICS & NUMERICAL DATA

Hazards of aging. Silvernail WI Jr. **Ala Med** 1990 Oct; 60(4):20–1 (4 ref.)

Risk factors associated with falls and injuries among elderly institutionalized persons. Myers AH, et al. **Am J Epidemiol** 1991 Jun 1;133(11):1179–90 (30 ref.)

Simply osteoporosis—or multifactorial genesis for the increasing incidence of fall injuries in the elderly? The need for a scientific approach to reducing injuries. Svanström L. **Scand J Soc Med** 1990 Sep;18(3):165–9 (44 ref.)

ACCIDENTS

ABC of major trauma. Major accidents. Miles S. **BMJ** 1990 Oct 20;301(6757):919–23 (0 ref.)

Role of bone marrow transplantation as treatment for victims of nuclear accidents. Champlin R. **Cancer Treat Res** 1990; 50:299–306 (44 ref.)

A comparison of typical death scene features in cases of fatal male and autoerotic asphyxia with a review of the literature. Byard RW, et al. **Forensic Sci Int** 1990 Dec; 48(2):113–21 (101 ref.)

Use of hematopoietic growth factors in radiation accidents. Gale RP, et al. **Int J Radiat Oncol Biol Phys** 1990 Nov; 19(5):1291–5 (55 ref.)

The role of marrow grafts in irradiation accidents. Thomas ED. **Int J Radiat Oncol Biol Phys** 1990 Nov;19(5):1289–90 (12 ref.)

New horizons in management of hypothermia and frostbite injury. Britt LD, et al. **Surg Clin North Am** 1991 Apr; 71(2):345–70 (162 ref.)

Nautical accidents. Unique injuries. Gomez GA, et al. **Surg Clin North Am** 1991 Apr;71(2):419–32 (19 ref.)

[Pollution of soil and ground water by volatile halogenated hydrocarbons caused by environmental accidents in South Hessen] Toussaint B. **Schriftenr Ver Wasser Boden Lufthyg** 1990;82:139–69 (24 ref.) **(Ger)**

[The planning of medical support for operations to eliminate the aftereffects of large-scale radiation accidents (a review of the literature] Lisovskii IV, et al. **Voen Med Zh** 1991 Jan;(1):24–7 (16 ref.) **(Rus)**

[Diving accidents (1). Decompression sickness] Desola Alà J. **Med Clin (Barc)** 1990 Jun 23;95(4):147–56 (101 ref.) **(Spa)**

STATISTICS & NUMERICAL DATA

Adolescent injuries. Chaudhuri N. **Indian Pediatr** 1990 Dec; 27(12):1261–7 (22 ref.)

[Importance of childhood accidents. Results of a regional study] Cervantes Pardo A, et al. **An Esp Pediatr** 1990 Jun; 32(6):493–8 (28 ref.) (Eng. Abstr.) **(Spa)**

ACCIDENTS, INDUSTRIAL see **ACCIDENTS, OCCUPATIONAL**

ACCIDENTS, OCCUPATIONAL

MORTALITY

Effectiveness of source documents for identifying fatal occupational injuries: a synthesis of studies. Stout N, et al. **Am J Public Health** 1991 Jun;81(6):725–8 (21 ref.)

PREVENTION & CONTROL

Farmers' occupational health care—worldwide. Höglund S. **Am J Ind Med** 1990;18(4):365–70 (4 ref.)

Farmers' health and safety programs in Sweden. Höglund S. **Am J Ind Med** 1990;18(4):371–8 (4 ref.)

Technological disasters—towards a preventive strategy: a review. Andersson N. **Trop Doct** 1991;21 Suppl 1:70–81 (93 ref.)

[Electrophysiologic criteria for the prevention of electric accidents] Kupfer J. **Z Gesamte Hyg** 1990 Nov;36(11):586–8 (12 ref.) (Eng. Abstr.) **(Ger)**

STATISTICS & NUMERICAL DATA

Work injuries and exposures in children and young adults: review and recommendations for action. Richter ED, et al. **Am J Ind Med** 1991;19(6):747–69 (44 ref.)

Shiftwork and industrial injuries at a chemical plant in southeast Texas. Novak RD, et al. **Chronobiol Int** 1990; 7(2):155–64 (28 ref.)

Bhopal tragedy's health effects. A review of methyl isocyanate toxicity [see comments] Mehta PS, et al. **JAMA** 1990 Dec 5;264(21):2781–7 (101 ref.) Comment in: JAMA 1990 Dec 5;264(21):2795–6.

Farm injuries. How can the family farm be made a safer place? Sterner S. **Postgrad Med** 1991 Aug;90(2):141–2, 147, 150 (8 ref.)

ACCIDENTS, TRAFFIC

Massive bilateral diaphragmatic rupture after an apparently minor automobile accident. Humphreys TR, et al. **Am J Emerg Med** 1991 May;9(3):246–9 (29 ref.)

[The pregnant woman, car accidents and the seat belt] Fisher M. **Harefuah** 1990 Oct;119(7–8):219–20 (34 ref.) **(Heb)**

[Successful emergency operation of a right atrial rupture due to a traffic accident] Takazawa A, et al. **Kyobu Geka** 1991 Jun;44(6):489–92 (10 ref.) (Eng. Abstr.) **(Jpn)**

[The diagnosis of trauma to the human body from being run over by automobile wheels] Abdukarimov RKh. **Sud Med Ekspert** 1991 Apr–Jun;34(2):45–6 (16 ref.) **(Rus)**

LEGISLATION & JURISPRUDENCE

Automobile driving and epilepsy: a medical perspective. Hansotia P. **Wis Med J** 1991 Mar;90(3):112–5 (13 ref.)

[Blood alcohol concentration and effect, traffic medicine characteristics and legal traffic relevance of alcohol limit values in road traffic] Heifer U. **Blutalkohol** 1991 May; 28(3):121–45 (49 ref.) (Eng. Abstr.) **(Ger)**

[Offenses in alcoholic intoxication with reference to American research] Middendorff W. **Blutalkohol** 1991 May; 28(3):174–9 (15 ref.) (Eng. Abstr.) **(Ger)**

[The "severity" of "whiplash injury of the cervical spine"] Jenzer G, et al. **Z Unfallchir Versicherungsmed** 1991; 84(1):7–19 (40 ref.) (Eng. Abstr.) **(Ger)**

MORTALITY

Public health versus public policy? An appraisal of British urban transport policy. Wolff SP, et al. **Public Health** 1991 May;105(3):217–28 (97 ref.)

PREVENTION & CONTROL

Designing for transportation safety in the light of perception, attention, and mental models. Moray N. **Ergonomics** 1990 Oct–Nov;33(10–11):1201–13 (30 ref.)

[Safety of children in cars. Safety systems, their use and misuse possibilities] Madsen LP. **Ugeskr Laeger** 1991 Apr 8;153(15):1037–40 (30 ref.) (Eng. Abstr.) **(Dan)**

[Impact of diabetes mellitus on driving safety] Ekoé JM, et al. **Diabete Metab** 1991 Jan–Feb;17(1):61–8 (25 ref.) (Eng. Abstr.) **(Fre)**

STATISTICS & NUMERICAL DATA

An audit of road traffic accident victims requiring admission to hospital. Redmond P, et al. **Ir Med J** 1990 Dec; 83(4):133–6 (10 ref.)

ACCLIMATIZATION

PHYSIOLOGY

Temperature acclimatization of the carp. Cellular and molecular aspects of the compensatory response. Krauskopf M, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun; 21(1):151–7 (31 ref.)

Work under extreme conditions. Luczak H. **Ergonomics** 1991 Jun;34(6):687–720 (44 ref.)

ACCOMMODATION, OCULAR

PHYSIOLOGY

Accommodation and the nerve pathway to the ciliary muscle: a review. Ruskell GL. **Ophthalmic Physiol Opt** 1990 Jul; 10(3):239–42 (26 ref.)

Adaptive regulation in the vergence and accommodation control systems. Miles FA. **Rev Oculomot Res** 1985;1:81–94 (0 ref.)

ACCULTURATION

Hispanic drinking in the US: thinking in new directions [editorial] Caetano R. **Br J Addict** 1990 Oct;85(10):1231–6 (37 ref.)
Orthogonal cultural identification theory: the cultural identification of minority adolescents. Oetting ER, et al. **Int J Addict** 1990–91;25(5A–6A):655–85 (40 ref.)
Westernisation, insulin resistance and diabetes in Australian aborigines. O'Dea K. **Med J Aust** 1991 Aug 19; 155(4):258–64 (55 ref.)
Psychology of acculturation. Berry JW. **Nebr Symp Motiv** 1989;37:201–34 (42 ref.)
The cultural bereavement interview: a new clinical research approach for refugees. Eisenbruch M. **Psychiatr Clin North Am** 1990 Dec;13(4):715–35 (38 ref.)
Ethnic identity in adolescents and adults: review of research. Phinney JS. **Psychol Bull** 1990 Nov;108(3):499–514 (110 ref.)

ACEBUTOLOL

THERAPEUTIC USE

Chronic use of acebutolol in the treatment of cardiac arrhythmias. O'Reilly M. **Am Heart J** 1991 Apr;121(4 (Pt 1)):1185–93 (62 ref.)
Acebutolol effects on lipid profile [published erratum appears in Am J Cardiol 1990 Dec 1;66(19):A8] Schnaper HW. **Am J Cardiol** 1990 Sep 25;66(9):49C–54C (6 ref.)

ACENOCOUMARIN see **ACENOCOUMAROL**

ACENOCOUMAROL

ADVERSE EFFECTS

[Hematoma of the iliac psoas secondary to anticoagulant treatment. Urological implications] Romero Pérez P, et al. **Arch Esp Urol** 1991 Apr;44(3):302–6 (16 ref.) (Eng. Abstr.) **(Spa)**

ACETABULUM

ABNORMALITIES

Surgical management of acetabular dysplasia. Staheli LT. **Clin Orthop** 1991 Mar;(264):111–21 (20 ref.)
[Protrusio acetabuli. An update on the primary and secondary acetabular protrusion] Kindynis P, et al. **J Radiol** 1990 Jun–Jul;71(6–7):415–24 (43 ref.) (Eng. Abstr.) **(Fre)**

INJURIES

Ingrowth and formation of bone in defects in an uncemented fiber–metal total hip–replacement model in dogs. Kang JD, et al. **J Bone Joint Surg [Am]** 1991 Jan;73(1):93–105 (64 ref.)

SURGERY

Acetabular allograft reconstruction in total hip arthroplasty. Part II: Surgical approach and aftercare. Stiehl JB. **Orthop Rev** 1991 May;20(5):425–32 (23 ref.)
Acetabular allograft reconstruction in total hip arthroplasty. Part I: Current concepts in biomechanics. Stiehl JB. **Orthop Rev** 1991 Apr;20(4):339–41 (33 ref.)

ACETALDEHYDE

METABOLISM

Acetaldehyde and microtubules. Tuma DJ, et al. **Ann N Y Acad Sci** 1991;625:786–92 (37 ref.)

PHARMACOLOGY

[Inhibition by ethanol and acetaldehyde the plasmin activity and plasminogen activation induced by urokinase and streptokinase] Roszkowska–Jakimiec W, et al. **Rocz Akad Med Bialymst** 1988–89;33–34:53–66 (14 ref.) (Eng. Abstr.) **(Pol)**
[The role of acetaldehyde in the mechanisms of the action of ethanol] Bozhko GKh. **Usp Fiziol Nauk** 1990 Jul–Sep; 21(3):98–116 (152 ref.) **(Rus)**

ACETAMIDES

PHARMACOLOGY

Role of differentiation induction in tumor suppression. Marks PA, et al. **Immunol Ser** 1990;51:201–16 (74 ref.)
Insect repellent N,N–diethylphenylacetamide: an update. Rao SS, et al. **J Med Entomol** 1991 May;28(3):303–6 (27 ref.)
Status of PR 934–423, a novel anticonvulsant targeted for generalized tonic/clonic seizures (new designation is FPL 12924AA). Palmer GC, et al. **Prog Clin Biol Res** 1990; 361:435–41 (13 ref.)

ACETAMIDOPHENOL see **ACETAMINOPHEN**

ACETAMINOPHEN

ADVERSE EFFECTS

Paracetamol, nonsteroidal antiinflammatory drugs and nephrotoxicity. Walker RJ. **N Z Med J** 1991 May 8; 104(911):182–3 (24 ref.)
Molecular mechanisms of the hepatotoxicity caused by acetaminophen. Nelson SD. **Semin Liver Dis** 1990 Nov; 10(4):267–78 (197 ref.)
[Phenacetin, paracetamol and bladder cancer] Nørgaard N, et al. **Ugeskr Laeger** 1990 Dec 3;152(49):3687–91 (30 ref.) (Eng. Abstr.) **(Dan)**
[Agranulocytosis caused by paracetamol. A case report (letter)] Lacotte J, et al. **Therapie** 1990 Sep–Oct;45(5):438–9 (9 ref.) **(Fre)**
[Carcinoma of the ureter after long–term use of analgesic [phenacetin derivative]—report of the two cases (spouses)] Miyauchi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Dec;81(12):1908–11 (8 ref.) (Eng. Abstr.) **(Jpn)**
[Bioactivation of xenobiotics by cytochrome P–448 and its role in the process of carcinogenesis] Lutz W, et al. **Postepy Hig Med Dosw** 1989;43(5–6):511–39 (76 ref.) (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Pain in neonatal circumcision. Schoen EJ, et al. **Clin Pediatr (Phila)** 1991 Jul;30(7):429–32 (39 ref.)
Clinical and pharmacological review of the efficacy of orphenadrine and its combination with paracetamol in painful conditions. Hunskaar S, et al. **J Int Med Res** 1991 Mar–Apr;19(2):71–87 (42 ref.)

TOXICITY

Paracetamol (acetaminophen). **IARC Monogr Eval Carcinog Risks Hum** 1990;50:307–32 (128 ref.)
[The mechanisms of the hepatotoxicity of paracetamol] Vengerovskii AI, et al. **Farmakol Toksikol** 1991 Jan–Feb; 54(1):76–80 (76 ref.) (Eng. Abstr.) **(Rus)**

ACETATES

BLOOD

[Comparative study of acetate and bicarbonate hemodialysis in children with chronic uremia] Dobos E, et al. **Orv Hetil** 1991 Aug 11;132(32):1749–54 (37 ref.) (Eng. Abstr.) **(Hun)**

METABOLISM

Microbial H2/CO2 acetogenesis in animal guts: nature and nutritional significance. Breznak JA, et al. **FEMS Microbiol Rev** 1990 Dec;7(3–4):309–13 (30 ref.)

ACETAZOLAMIDE

DIAGNOSTIC USE

Interventions and functional brain imaging. Yudd AP, et al. **Semin Nucl Med** 1991 Apr;21(2):153–8 (58 ref.)

ACETIC ACIDS

THERAPEUTIC USE

Use of zinc–copper metabolic interactions in the treatment of Wilson's disease. Brewer GJ, et al. **J Am Coll Nutr** 1990 Oct;9(5):487–91 (23 ref.)

ACETOBACTER

METABOLISM

Biogenesis of bacterial cellulose. Cannon RE, et al. **Crit Rev Microbiol** 1991;17(6):435–47 (58 ref.)

ACETONE BODIES see **KETONE BODIES**

ACETONITRILES

POISONING

Cyanide toxicity from acetonitrile–containing false nail remover. Geller RJ, et al. **Am J Emerg Med** 1991 May; 9(3):268–70 (15 ref.)
Cyanide poisoning from a cosmetic nail remover. Losek JD, et al. **Pediatrics** 1991 Aug;88(2):337–40 (16 ref.)

ACETOPHENETIDIN see **PHENACETIN**

N–ACETYL–BETA–D–GLUCOSAMINIDASE see **ACETYLGLUCOSAMINIDASE**

ACETYL COA see **ACETYL COENZYME A**

ACETYL COENZYME A

BIOSYNTHESIS

A radical–chemical route to acetyl–CoA: the anaerobically induced pyruvate formate–lyase system of Escherichia coli. Knappe J, et al. **FEMS Microbiol Rev** 1990 Aug;6(4):383–98 (75 ref.)

ACETYL GLYCERYL ETHER PHOSPHORYLCHOLINE see **PLATELET ACTIVATING FACTOR**

ACETYLBENZOYLACONINE see **ACONITINE**

ACETYLCHOLINE

BIOSYNTHESIS

The synthesis of acetylcholine: twenty years of progress. Tuček S. **Prog Brain Res** 1990;84:467–77 (137 ref.)

METABOLISM

Involvement of brain catecholamines and acetylcholine in growth hormone deficiency states. Pathophysiological, diagnostic and therapeutic implications. Müller EE, et al. **Drugs** 1991 Feb;41(2):161–77 (101 ref.)
The cholinergic system in Alzheimer disease. Giacobini E. **Prog Brain Res** 1990;84:321–32 (73 ref.)

PHYSIOLOGY

Cholinergic neuropharmacology: an update. Palacios JM, et al. **Acta Psychiatr Scand Suppl** 1991;366:27–33 (66 ref.)
Cholinergic–dopaminergic interactions in cognitive performance. Levin ED, et al. **Behav Neural Biol** 1990 Nov; 54(3):271–99 (200 ref.)
Immunoaffinity purification of cholinergic nerve terminals. Richardson PJ, et al. **Biochem Soc Trans** 1991 Feb; 19(1):83–7 (21 ref.)
Functional aspects of acetylcholine–galanin coexistence in the brain. Consolo S, et al. **Prog Brain Res** 1990;84:279–87 (42 ref.)
Injury and repair of central cholinergic neurons. Cuello AC, et al. **Prog Brain Res** 1990;84:301–11 (84 ref.)
Spinal cholinergic mechanisms. Gillberg PG, et al. **Prog Brain Res** 1990;84:361–70 (73 ref.)
Physiological mechanisms of cholinergic action in the hippocampus. Halliwell JV. **Prog Brain Res** 1990;84:255–72 (107 ref.)
Achievements in cholinergic research, 1969–1989: drug development. Jenden DJ. **Prog Brain Res** 1990;84:479–86 (89 ref.)
Physiological cholinergic functions in the CNS. Karczmar AG. **Prog Brain Res** 1990;84:437–66 (158 ref.)
Structural and functional aspects of acetylcholine peptide coexistence in the autonomic nervous system. Lindh B, et al. **Prog Brain Res** 1990;84:175–91 (101 ref.)
Human brain cholinergic pathways. Mesulam MM. **Prog Brain Res** 1990;84:231–41 (33 ref.)
Future prospects of research on central cholinergic mechanisms. Nordberg A, et al. **Prog Brain Res** 1990; 84:415–8 (0 ref.)
New approaches to clinical and postmortem investigations of cholinergic mechanisms. Nordberg A, et al. **Prog Brain Res** 1990;84:313–20 (46 ref.)
Future prospects of cholinergic research on neuromuscular transmission. Thesleff S, et al. **Prog Brain Res** 1990;84:171–4 (0 ref.)
Acetylcholine and acetylcholine receptor subtypes in REM sleep generation. Velazquez–Moctezuma J, et al. **Prog Brain Res** 1990;84:407–13 (69 ref.)
The cell and molecular biology of the cholinergic synapse: twenty years of progress. Whittaker VP. **Prog Brain Res** 1990;84:419–36 (125 ref.)

SECRETION

Mechanisms of facilitation and muscarinic or alpha–adrenergic inhibition of acetylcholine and noradrenaline secretion from peripheral nerves. Alberts P. **Acta Physiol Scand Suppl** 1982;506:1–39 (253 ref.)
Principal aspects of the regulation of acetylcholine release in the brain. Pepeu G, et al. **Prog Brain Res** 1990;84:273–8 (46 ref.)
Functional aspects of quantal and non–quantal release of acetylcholine at the neuromuscular junction. Thesleff S. **Prog Brain Res** 1990;84:93–9 (64 ref.)

ACETYLCHOLINE RECEPTORS see **RECEPTORS, CHOLINERGIC**

ACETYLCHOLINESTERASE

ANALYSIS

Determination of amniotic fluid acetylcholinesterase activity in the antenatal diagnosis of foetal malformations: the first ten years. Loft AG. **J Clin Chem Clin Biochem** 1990 Dec; 28(12):893–911 (115 ref.)

DEFICIENCY

[Alzheimer's disease] Groppa SA. **Zh Nevropatol Psikhiatr** 1990;90(9):105–12 (141 ref.) **(Rus)**

GENETICS

Coinjection of Xenopus oocytes with cDNA–produced and native mRNAs: a molecular biological approach to the tissue–specific processing of human cholinesterases.

Seidman S, et al. **Int Rev Neurobiol** 1990;32:107–39 (138 ref.)
Expression and in vivo amplification of the human acetylcholinesterase and butyrylcholinesterase genes. Soreq H, et al. **Prog Brain Res** 1990;84:51–61 (54 ref.)

METABOLISM

Association of acetylcholinesterase with the cell surface. Inestrosa NC, et al. **J Membr Biol** 1990 Oct;118(1):1–9 (88 ref.)
[Biochemical basis of the effect of organophosphate pesticides on humans] Lutz W, et al. **Med Pr** 1990;41(3):181–9 (31 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Cholinesterases preceding major tracts in vertebrate neurogenesis. Layer PG. **Bioessays** 1990 Sep;12(9):415–20 (47 ref.)
A noncholinergic action of acetylcholinesterase (AChE) in the brain: from neuronal secretion to the generation of movement. Greenfield SA. **Cell Mol Neurobiol** 1991 Feb; 11(1):55–77 (90 ref.)

ACETYLCHOLINESTERASE INHIBITORS see **CHOLINESTERASE INHIBITORS**

ACETYLCYSTEINE

METABOLISM

Is the toxicity of cysteine conjugates formed during mercapturic acid biosynthesis relevant to the toxicity of covalently bound drug residues? Stevens JL, et al. **Drug Metab Rev** 1990;22(6–8):617–35 (88 ref.)
Renal transport and metabolism of mercapturic acids and their precursors. Silbernagl S, et al. **Toxicol Lett** 1990 Sep; 53(1–2):45–51 (31 ref.)

PHARMACOKINETICS

Clinical pharmacokinetics of N-acetylcysteine. Holdiness MR. **Clin Pharmacokinet** 1991 Feb;20(2):123–34 (38 ref.)

ACETYLENE

ANALOGS & DERIVATIVES

[Acetylenic enzyme inhibitors: their role in anticancer chemotherapy] Bador P, et al. **Pharm Acta Helv** 1990; 65(11):305–10 (28 ref.) (Eng. Abstr.) **(Fre)**

ACETYLFORMALDEHYDE see **PYRUVALDEHYDE**

ACETYLGLUCOSAMINIDASE

URINE

[Urinary N-acetyl-beta-D-glucosaminidase activity in healthy, polycythemic and hypoxic newborn infants] Csáthy L, et al. **Orv Hetil** 1991 Mar 3;132(9):451–5 (31 ref.) (Eng. Abstr.) **(Hun)**
[The diagnostic value of studying the N-acetyl-beta-D-glucosaminidase activity in urine (review of the literature)] Babaeva NI, et al. **Lab Delo** 1991;(1):9–16 (54 ref.) **(Rus)**
[Urinary excretion of N-acetyl-beta-D-glucosaminidase and microglobulin 2 in type I diabetes mellitus] Sitjar de Togores Alvarez M, et al. **An Esp Pediatr** 1991 Mar; 34(3):225–9 (36 ref.) (Eng. Abstr.) **(Spa)**

N-ACETYLMURAMOYL-L-ALANINE AMIDASE

METABOLISM

The murein hydrolases of Escherichia coli: properties, functions and impact on the course of infections in vivo. Höltje JV, et al. **J Gen Microbiol** 1991 Mar;137 (Pt 3):441–54 (153 ref.)

N-ACETYLNEURAMINIC ACIDS see **SIALIC ACIDS**

ACETYLSALICYLIC ACID see **ASPIRIN**

ACETYLTRANSFERASES

GENETICS

Polymorphism in human N-acetyltransferase--the case of the missing allele. Sime E, et al. **Trends Pharmacol Sci** 1991 Jun;12(6):211–3 (16 ref.)

METABOLISM

A radical-chemical route to acetyl-CoA: the anaerobically induced pyruvate formate-lyase system of Escherichia coli. Knappe J, et al. **FEMS Microbiol Rev** 1990 Aug;6(4):383–98 (75 ref.)
Resistance to aminoglycosides: the situation in the Federal Republic of Germany. Naber KG, et al. **J Int Med Res** 1990;18 Suppl 4:6D–26D (20 ref.)

ACHALASIA, ESOPHAGEAL see **ESOPHAGEAL ACHALASIA**

ACHIEVEMENT

The parent connection. Snodgrass DM. **Adolescence** 1991 Spring;26(101):83–7 (14 ref.)
Gender and the influence of evaluations on self-assessments in achievement settings. Roberts TA. **Psychol Bull** 1991 Mar;109(2):297–308 (110 ref.)

ACHILLES TENDON

INJURIES

Comparison of the mechanical and histologic properties of Achilles tendons in New Zealand white rabbits secondarily repaired with Marlex mesh. Hosey G, et al. **J Foot Surg** 1991 May–Jun;30(3):214–33 (107 ref.)
Pathologic afflictions of the Achilles tendon. Reinherz RP, et al. **J Foot Surg** 1991 Mar–Apr;30(2):117–21 (31 ref.)

PATHOLOGY

Magnetic resonance imaging of pathologic conditions of the Achilles tendon. Panageas E, et al. **Orthop Rev** 1990 Nov; 19(11):975–80 (18 ref.)

RADIOGRAPHY

Classifications of radiopaque lesions of the tendo Achillis. Morris KL, et al. **J Foot Surg** 1990 Nov–Dec;29(6):533–42 (72 ref.)

SURGERY

Surgery of the Achilles tendon and posterior muscle group. Feehery RV Jr. **Clin Podiatr Med Surg** 1991 Jul;8(3):513–42 (14 ref.)
[Rehabilitation treatment after surgical reconstruction of the Achilles tendon] Swiatłowski T, et al. **Wiad Lek** 1990 Jun 15;43(12):597–602 (14 ref.) (Eng. Abstr.) **(Pol)**

ACHLORHYDRIA

COMPLICATIONS

Is hypergastrinaemia dangerous to man? Creutzfeldt W, et al. **Scand J Gastroenterol Suppl** 1991;180:179–91 (51 ref.)
Is hypergastrinaemia dangerous for man? Wormsley KG. **Scand J Gastroenterol Suppl** 1991;180:174–8 (61 ref.)

ACHONDROPLASIA

COMPLICATIONS

[A case of achondroplasia showing diffuse spinal canal stenosis] Ohashi T, et al. **No Shinkei Geka** 1990 Aug; 18(8):773–7 (20 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

Molecular genetics of hypochondroplasia [comment] Thakker RV. **Clin Endocrinol (Oxf)** 1991 Apr;34(4):249–51 (10 ref.) Comment on: Clin Endocrinol (Oxf) 1991 Apr;34(4):265–74.
[Fatal nanism: 3 different entities] Escrivá Tomás P, et al. **An Esp Pediatr** 1991 Apr;34(4):305–9 (11 ref.) (Eng. Abstr.) **(Spa)**

ACHROMATIACEAE

DRUG EFFECTS

Achromobacter xylosoxidans: a drug-resistant pathogen in newborns and immunocompromised patients. Giacoia GP. **South Med J** 1990 Nov;83(11):1312–4 (22 ref.)

ACHROMOBACTER see **ALCALIGENES**

ACHYLIA GASTRICA see **ACHLORHYDRIA**

ACID ASPIRATION SYNDROME see **PNEUMONIA, ASPIRATION**

ACID-BASE EQUILIBRIUM

see related
ACIDOSIS
ALKALOSIS

PHYSIOLOGY

Roles of the liver and kidney in acid-base regulation and its disorders. Cohen RD. **Br J Anaesth** 1991 Aug; 67(2):154–64 (40 ref.)
Regulation of cytoplasmic pH in phagocytic cell function and dysfunction. Grinstein S, et al. **Clin Biochem** 1991 Jun; 24(3):241–7 (33 ref.)
Effect of hypercapnia and other disturbances in the acid-base-balance on panic disorder. Zandbergen J, et al. **Hillside J Clin Psychiatry** 1989;11(2):185–97 (65 ref.)
The alphastat hypothesis in respiratory control and acid-base balance. Nattie EE. **J Appl Physiol** 1990 Oct;69(4):1201–7 (60 ref.)
Reclamation of filtered bicarbonate. DuBose TD Jr. **Kidney Int** 1990 Oct;38(4):584–9 (88 ref.)
Role of the thick ascending limb and inner medullary collecting duct in the regulation of urinary acidification. DuBose TD Jr, et al. **Semin Nephrol** 1991 Mar;11(2):120–8 (62 ref.)
Regulation of intracellular pH in glomerular mesangial cells. Ganz MB. **Semin Nephrol** 1991 Jan;11(1):16–27 (36 ref.)
Regulation of cell pH and sodium transport in inner medullary collecting duct. Kleinman JG. **Semin Nephrol** 1991 Jan;11(1):55–64 (52 ref.)
Distribution and function of the renal ATPase (H(+)-ATPase). Sabatini S. **Semin Nephrol** 1991 Jan; 11(1):37–44 (77 ref.)
Basic mechanisms of intracellular pH homeostasis in lymphocytes. Saleh AM, et al. **Semin Nephrol** 1991 Jan; 11(1):3–15 (67 ref.)

ACID-BASE IMBALANCE

DIAGNOSIS

Organic acidurias: a review. Part 1. Ozand PT, et al. **J Child Neurol** 1991 Jul;6(3):196–219 (311 ref.)
Pulmonary and acid-base assessment. Brenner M, et al. **Nurs Clin North Am** 1990 Dec;25(4):761–70 (14 ref.)

DRUG THERAPY

[Cardiopulmonary resuscitation: acid-base alterations and alkalizing therapy] Gazmuri RJ, et al. **Rev Med Chil** 1989 Mar;117(3):322–9 (40 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

[Cardiopulmonary resuscitation: acid-base alterations and alkalizing therapy] Gazmuri RJ, et al. **Rev Med Chil** 1989 Mar;117(3):322–9 (40 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Single-nephron studies: implications for acid-base regulation [clinical conference] Levine DZ. **Kidney Int** 1990 Oct; 38(4):744–61 (113 ref.)
Adaptation to acid-base disorders: insight into the mechanisms as derived from vesicles studies. Arruda JA, et al. **Semin Nephrol** 1991 Jan;11(1):65–72 (41 ref.)

ACID MALTASE see **GLUCAN 1,4-ALPHA-GLUCOSIDASE**

ACID PHOSPHATASE

Prostate-specific antigen and prostatic acid phosphatase: biomolecular and physiologic characteristics. Bilhartz DL, et al. **Urology** 1991 Aug;38(2):95–102 (83 ref.)

ANALYSIS

Is acid phosphatase (PAP) still justified in the management of prostatic cancer? Kontturi M. **Acta Oncol** 1991; 30(2):169–70 (7 ref.)
Prostate cancer-associated markers. Chu TM. **Immunol Ser** 1990;53:339–56 (71 ref.)

BLOOD

Bone protein and peptide assays in the diagnosis and management of skeletal disease. Deftos LJ. **Clin Chem** 1991 Jul;37(7):1143–8 (66 ref.)
Tumour markers in monitoring the treatment of advanced prostate cancer. Cooper EH, et al. **Prog Clin Biol Res** 1990; 359:65–72; discussion 73–4 (14 ref.)
Laboratory studies for the detection of carcinoma of the prostate. Brawer MK. **Urol Clin North Am** 1990 Nov; 17(4):759–68 (66 ref.)

GENETICS

Acid phosphatase, adenosine deaminase and esterase D polymorphisms in the Spanish Basque population. Aguirre AI, et al. **Hum Hered** 1991;41(2):93–102 (50 ref.)

ACIDIC PANCREATIC TRYPSIN INHIBITOR see **TRYPSIN INHIBITOR, KAZAL PANCREATIC**

ACIDOSIS

BLOOD

[Current perspectives in the diagnosis and treatment of acidosis in resuscitation] Koster RW, et al. **Ned Tijdschr Geneeskd** 1990 Nov 10;134(45):2175–8 (20 ref.) **(Dut)**

COMPLICATIONS

[Familial hyperkalemia syndrome (Gordon's syndrome)] Baz M, et al. **Presse Med** 1990 Dec 15;19(43):1981–4 (10 ref.) (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Phosphofructokinase activity and acidosis during short-term tetanic contractions. Spriet LL. **Can J Physiol Pharmacol** 1991 Feb;69(2):298–304 (46 ref.)

METABOLISM

Acid-base changes during complete brain ischemia. Siesjö

BK, et al. **Stroke** 1990 Nov;21(11 Suppl):III194–9 (26 ref.)

THERAPY

Indications for use of bicarbonate in patients with metabolic acidosis. Arieff AI. **Br J Anaesth** 1991 Aug;67(2):165–77 (105 ref.)

[Therapy of metabolic acidosis] Peer G, et al. **Dtsch Med Wochenschr** 1991 Jul 12;116(28–29):1116–9 (35 ref.) **(Ger)**

ACIDOSIS, DIABETIC

COMPLICATIONS

[Fatal acute cerebral edema in a diabetic child] Brun TH, et al. **Ann Fr Anesth Reanim** 1990;9(6):553–6 (17 ref.) (Eng. Abstr.) **(Fre)**

ACIDOSIS, LACTIC

CEREBROSPINAL FLUID

[A case of metoclopramide-induced neuroleptic malignant syndrome with cerebrospinal fluid lactic acidosis] Nagashima A, et al. **No To Shinkei** 1991 Apr;43(4):387–92 (28 ref.) (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

[Mitochondrial encephalomyopathy, lactic acidosis and stroke-like episodes (MELAS) associated with hypothalamo-pituitary hypofunction--a case report] Ishii A, et al. **Rinsho Shinkeigaku** 1991 Feb;31(2):179–83 (10 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

[Molecular biology of defects in the mitochondrial electron-transfer complexes] Tanaka M. **Seikagaku** 1991 Mar;63(3):169–87 (54 ref.) **(Jpn)**

THERAPY

[Lactic acidosis] Winkler J, et al. **Orv Hetil** 1990 Dec 2; 131(48):2649–53 (42 ref.) (Eng. Abstr.) **(Hun)**

VETERINARY

Nutritional and dietary interrelationships with diseases of feedlot cattle. Johnson B. **Vet Clin North Am Food Anim Pract** 1991 Mar;7(1):133–42 (35 ref.)

ACIDOSIS, RENAL TUBULAR

Disorders of distal acidification. Kurtzman NA. **Kidney Int** 1990 Oct;38(4):720–7 (49 ref.)

[Renal tubular acidosis] Alvarez LE, et al. **Rev Chil Pediatr** 1990;61 Suppl 1:17–8 (0 ref.) **(Spa)**

DIAGNOSIS

Renal tubular acidosis (RTA): recognize the ammonium defect and pHorget the urine pH. Carlisle EJ, et al. **Pediatr Nephrol** 1991 Mar;5(2):242–8 (28 ref.)

[Rhabdomyolysis, ventricular fibrillation and respiratory insufficiency as a form of presentation of type-I renal tubular acidosis] Jiménez Saenz M, et al. **An Med Interna** 1989 Jul;6(7):369–72 (12 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Renal tubular acidosis. Rothstein M, et al. **Endocrinol Metab Clin North Am** 1990 Dec;19(4):869–87 (50 ref.)

The importance of renal ammonia metabolism to whole body acid-base balance: a reanalysis of the pathophysiology of renal tubular acidosis. Kurtz I, et al. **Miner Electrolyte Metab** 1990;16(5):331–40 (76 ref.)

METABOLISM

Ammonium metabolism: emphasis on energy considerations. Halperin ML, et al. **Miner Electrolyte Metab** 1990; 16(5):277–82 (33 ref.)

Interorgan glutamine flow regulation in metabolic acidosis. Tamarappoo BK, et al. **Miner Electrolyte Metab** 1990; 16(5):322–30 (55 ref.)

PHYSIOPATHOLOGY

Single-nephron studies: implications for acid-base regulation [clinical conference] Levine DZ. **Kidney Int** 1990 Oct; 38(4):744–61 (113 ref.)

Renal tubular acidosis (RTA): recognize the ammonium defect and pHorget the urine pH. Carlisle EJ, et al. **Pediatr Nephrol** 1991 Mar;5(2):242–8 (28 ref.)

Pathophysiology of the renal tubular acidoses. Sabatini S, et al. **Semin Nephrol** 1991 Mar;11(2):202–11 (82 ref.)

URINE

Distal renal tubular acidosis: the value of urinary pH, PCO2 and NH4+ measurements. Wrong O. **Pediatr Nephrol** 1991 Mar;5(2):249–55 (72 ref.)

ACIDS

ADVERSE EFFECTS

The influence of frequent ingestion of acids in the diet on treatment for dentin sensitivity. Clark DC, et al. **J Can Dent Assoc** 1990 Dec;56(12):1101–3 (17 ref.)

TOXICITY

Organic acids and bases: review of toxicological studies. ' Leung HW, et al. **Am J Ind Med** 1990;18(6):717–35 (98 ref.)

URINE

Organic acidurias: a review. Part 1. Ozand PT, et al. **J Child Neurol** 1991 Jul;6(3):196–219 (311 ref.)

ACINETOBACTER INFECTIONS

Acinetobacter: a perspective [editorial] Allen DM, et al. **Singapore Med J** 1990 Dec;31(6):511–4 (18 ref.)

MICROBIOLOGY

Hospital infection with Acinetobacter spp.: an increasing problem. Bergogne-Bérézin E, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:250–5 (17 ref.)

ACNE

Acne. Leung AK, et al. **J R Soc Health** 1991 Apr; 111(2):57–60 (15 ref.)

Acne vulgaris. Pathogenesis and treatment. Winston MH, et al. **Pediatr Clin North Am** 1991 Aug;38(4):889–903 (68 ref.)

CLASSIFICATION

Report of the Consensus Conference on Acne Classification. Washington, D.C., March 24 and 25, 1990. Pochi PE, et al. **J Am Acad Dermatol** 1991 Mar;24(3):495–500 (12 ref.)

COMPLICATIONS

Musculoskeletal syndromes associated with acne. Knitzer RH, et al. **Semin Arthritis Rheum** 1991 Feb;20(4):247–55 (67 ref.)

DRUG THERAPY

Azelaic acid. A review of its pharmacological properties and therapeutic efficacy in acne and hyperpigmentary skin disorders. Fitton A, et al. **Drugs** 1991 May;41(5):780–98 (100 ref.)

Pigmented postacne osteoma cutis in a patient treated with minocycline: report and review of the literature. Moritz DL, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 2):851–3 (19 ref.)

Use of isotretinoin in the college health service setting. Bercovitch L. **J Am Coll Health** 1990 Sep;39(2):83–6 (10 ref.)

[Reliability of oral contraceptives during long-term use of tetracycline for the treatment of acne] van den Brekel AJ, et al. **Ned Tijdschr Geneeskd** 1991 Apr 27;135(17):749–51 (21 ref.) **(Dut)**

ETIOLOGY

Defining the susceptibility of acne-prone and sensitive skin populations to extrinsic factors. Mills OH Jr, et al. **Dermatol Clin** 1991 Jan;9(1):93–8 (34 ref.)

GENETICS

[Acne inversa. Pathogenesis and genetics] Küster W, et al. **Hautarzt** 1991 Jan;42(1):2–4 (13 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

[Acne inversa. Diagnosis and therapy] Rödder-Wehrmann O, et al. **Hautarzt** 1991 Jan;42(1):5–8 (22 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Treatment of acne vulgaris. Guidelines for primary care physicians. Taylor MB. **Postgrad Med** 1991 Jun;89(8):40–2, 45–7 (11 ref.)

[Acne in general practice] Meffert H, et al. **Z Arztl Fortbild (Jena)** 1990;84(23):1203–6 (9 ref.) **(Ger)**

ACOCANTHERIN see **OUABAIN**

ACOMYS see **MURIDAE**

ACONITINE

POISONING

[Fatal poisoning caused by aconite monk's hood (Aconitum napellus)] Feldkamp A, et al. **Monatsschr Kinderheilkd** 1991 Jun;139(6):366–7 (13 ref.) (Eng. Abstr.) **(Ger)**

ACOUSTIC EVOKED BRAIN STEM POTENTIALS see **EVOKED POTENTIALS, AUDITORY, BRAIN STEM**

ACOUSTIC IMPEDANCE TESTS

Clinical application of acoustic impedance measurements. Northern JL. **Otolaryngol Clin North Am** 1971 Jun; 4(2):359–68 (15 ref.)

METHODS

The Physical Volume Test in impedance audiometry. Rock EH. **Ear Nose Throat J** 1991 Apr;70(4):245–50 (14 ref.)

Basic principles and clinical applications of tympanometry. Shanks J, et al. **Otolaryngol Clin North Am** 1991 Apr; 24(2):299–328 (45 ref.)

ACOUSTIC NERVE

[Neurovascular cross-compression as a cause of severe vertigo and surgical treatment] Sakaki T. **No Shinkei Geka** 1991 Jun;19(6):501–10 (46 ref.) **(Jpn)**

GROWTH & DEVELOPMENT

Development of auditory coding in the central nervous system: implications for in utero hearing. Walsh EJ, et al. **Semin Perinatol** 1990 Aug;14(4):281–93 (55 ref.)

ACOUSTIC NERVE DISEASES

ETIOLOGY

[Deafness and sarcoidosis] Moine A, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(7):469–73 (14 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Vestibular neuronitis. Clemis JD, et al. **Otolaryngol Clin North Am** 1973 Feb;6(1):139–55 (40 ref.)

ACOUSTIC STIMULATION

Frequency specificity of the auditory brainstem response elicited by 1,000-Hz filtered clicks. Conijn EA, et al. **Audiology** 1990;29(4):181–95 (57 ref.)

Effects of early auditory experience on development of binaural pathways in the brain. Moore DR. **Semin Perinatol** 1990 Aug;14(4):294–8 (30 ref.)

Plasticity of auditory maps in the brain. King AJ, et al. **Trends Neurosci** 1991 Jan;14(1):31–7 (50 ref.)

ACOUSTIC TRAUMA see **HEARING LOSS, NOISE-INDUCED**

ACOUSTICS, SPEECH see **SPEECH ACOUSTICS**

ACQUIRED IMMUNODEFICIENCY SYNDROME

see related
AIDS SERODIAGNOSIS
HIV SEROPOSITIVITY
HIV SEROPREVALENCE

Human immunodeficiency virus type 1 infections in children. Hutto SC. **Adv Pediatr** 1990;37:149–83 (152 ref.)

Is it time for a comprehensive AIDS medical center? Emanuel EJ, et al. **Am J Med** 1991 Jul;91(1):74–9 (36 ref.)

AIDS: light at the end of a decade. Barrick B. **Am J Nurs** 1990 Nov;90(11):36–40 (38 ref.)

Naturally occurring animal models of the acquired immune deficiency syndrome (AIDS). Letvin NL, et al. **Am J Physiol Imaging** 1991;6(1):1–15 (45 ref.)

Legal and ethical issues relating to AIDS. Bayer R, et al. **Bull Pan Am Health Organ** 1990;24(4):454–68 (28 ref.)

Human immunodeficiency virus infection in pregnancy. MacGregor SN. **Clin Perinatol** 1991 Mar;18(1):33–50 (82 ref.)

Perinatal human immunodeficiency virus infection. Pitt J. **Clin Perinatol** 1991 Jun;18(2):227–39 (51 ref.)

Acquired immunodeficiency syndrome. Lane HC. **Dermatol Clin** 1990 Oct;8(4):771–86 (46 ref.)

Pediatric AIDS. Cowan MJ, et al. **Immunol Ser** 1989; 44:115–34 (84 ref.)

Immunologic and pathologic manifestations of the infection of rhesus monkeys with simian immunodeficiency virus of macaques. Letvin NL, et al. **J Acquir Immune Defic Syndr** 1990;3(11):1023–40 (35 ref.)

Diagnosis of cutaneous cytomegalovirus infection: a review and report of a case. Toome BK, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 2):860–7 (53 ref.)

Facts about AIDS for the dental team. **J Am Dent Assoc** 1991 Jul;Suppl:1–14 (46 ref.)

Caring for women at risk of HIV infection. Anastos K, et al. **J Gen Intern Med** 1991 Jan-Feb;6(1 Suppl):S40–6 (34 ref.)

Primary care and HIV disease. Smith MD. **J Gen Intern Med** 1991 Jan-Feb;6(1 Suppl):S56–62 (47 ref.)

HIV disease in the intravenous drug user: role of the primary care physician. Wartenberg AA. **J Gen Intern Med** 1991 Jan-Feb;6(1 Suppl):S35–40 (41 ref.)

AIDS, the law and civil liberties. Lansdell GT. **Med J Aust** 1991 Jan 7;154(1):61–7 (26 ref.)

Some early observations on HIV infection in children at King Edward VIII Hospital, Durban. Bobat RA, et al. **S Afr Med J** 1990 Nov 3;78(9):524–7 (19 ref.)

AIDS and the gastroenterologist. Cello JP. **Scand J Gastroenterol Suppl** 1990;175:146–58 (34 ref.)
AIDS and human immunodeficiency virus infections: update 1990. Krieger JN. **Semin Urol** 1991 Feb;9(1):32–9 (18 ref.)
Negotiating criteria and setting limits: the case of AIDS. Cutter MA. **Theor Med** 1990 Sep;11(3):193–200 (18 ref.)
Ethics, AIDS, and community responsibility. Douard J. **Theor Med** 1990 Sep;11(3):213–26 (13 ref.)
Ethical and communal issues in AIDS: an introduction. Loewy EH. **Theor Med** 1990 Sep;11(3):173–83 (13 ref.)
[HIV infection and acquired immunodeficiency syndrome. I.] Melino C, et al. **Clin Ter** 1991 Apr 30;137(2):91–111 (88 ref.) (Eng. Abstr.) **(Ita)**
[The acquired immunodeficiency syndrome (AIDS) in childhood] Terragna A, et al. **Medicina (Firenze)** 1990 Jul–Sep;10(3):256–62 (44 ref.) (Eng. Abstr.) **(Ita)**
[AIDS, hepatitis and anesthesiology] Bergman H. **Anesteziol Reanimatol** 1991 Jan–Feb;(1):37–42 (0 ref.) **(Rus)**
[Biology of the human immunodeficiency virus: a review] Ramirez–Ramirez CR, et al. **Bol Asoc Med P R** 1991 Mar; 83(3):109–11 (5 ref.) (Eng. Abstr.) **(Spa)**

BLOOD

Relative resistance of primary HIV–1 isolates to neutralization by soluble CD4. Daar ES, et al. **Am J Med** 1991 Apr 10;90(4A):22S–26S (30 ref.)
Haematologic abnormalities in the acquired immunodeficiency syndrome. Brizzi MF, et al. **Haematologica** 1990 Sep–Oct;75(5):454–63 (144 ref.)
Hematologic abnormalities in AIDS. Aboulafia DM, et al. **Hematol Oncol Clin North Am** 1991 Apr;5(2):195–214 (121 ref.)
Neopterin and beta 2–microglobulin as prognostic indices in human immunodeficiency virus type 1 infection. Fuchs D, et al. **Infection** 1991;19 Suppl 2:S98–102 (32 ref.)

CHEMICALLY INDUCED

Morphine–induced immune modulation: does it predispose to HIV infection? Arora PK. **NIDA Res Monogr** 1990; 96:150–65 (37 ref.)
A murine retrovirus model for studies of the role of cofactors and ethanol in AIDS development. Watson RR. **NIDA Res Monogr** 1990;96:166–80 (22 ref.)

COMPLICATIONS

AIDS: pulmonary complications and intensive care. Rosen MJ. **Acute Care** 1988–89;14–15:229–43 (55 ref.)
Disseminated strongyloidiasis in AIDS: uncommon but important. Gompels MM, et al. **AIDS** 1991 Mar;5(3):329–32 (9 ref.)
Bacillary angiomatosis. Berger TG, et al. **AIDS Clin Rev** 1991;:81–95 (34 ref.)
Cryptococcal disease in AIDS. Bozzette SA, et al. **AIDS Clin Rev** 1990;:193–213 (90 ref.)
Oral lesions of HIV infections: features and therapy. Greenspan D, et al. **AIDS Clin Rev** 1990;:81–93 (40 ref.)
Prophylaxis of AIDS–related opportunistic infections (OIs). Current status and future strategies. Hardy WD. **AIDS Clin Rev** 1991;:145–80 (84 ref.)
Prophylaxis of AIDS–related opportunistic infections (OIs). Hardy WD. **AIDS Clin Rev** 1989;:125–50 (74 ref.)
Ganciclovir therapy for opportunistic cytomegalovirus disease in AIDS. Jacobson MA. **AIDS Clin Rev** 1990; :149–63 (37 ref.)
AIDS–associated Kaposi's sarcoma. Kahn JO. **AIDS Clin Rev** 1990;:115–28 (43 ref.)
AIDS–associated lymphomas. Kaplan LD. **AIDS Clin Rev** 1991;:181–95 (41 ref.)
AIDS–associated lymphomas. Kaplan LD. **AIDS Clin Rev** 1989;:193–204 (28 ref.)
Controversies in HIV–related central nervous system disease: neuropsychological aspects of HIV–1 infection. Levy RM, et al. **AIDS Clin Rev** 1989;:151–91 (50 ref.)
Toxoplasmic encephalitis. Luft BJ, et al. **AIDS Clin Rev** 1990; :215–34 (181 ref.)
Pneumocystis carinii pneumonia in patients with the acquired immunodeficiency syndrome. Pathophysiology and therapy. Montgomery AB. **AIDS Clin Rev** 1991;:127–43 (37 ref.)
Recent developments in the therapy and management of Pneumocystis carinii pneumonia in patients with AIDS. Montgomery AB. **AIDS Clin Rev** 1989;:109–24 (49 ref.)
Bacteremia in persons with HIV infection. Northfelt DW, et al. **AIDS Clin Rev** 1991;:59–79 (72 ref.)
Review article: treatment of the gastrointestinal manifestations of AIDS. Gazzard BG. **Aliment Pharmacol Ther** 1990 Aug;4(4):317–24 (38 ref.)
HIV disease: a review for the family physician. Part II. Secondary infections, malignancy and experimental therapy. Brooke GL, et al. **Am Fam Physician** 1990 Nov; 42(5):1299–308 (18 ref.)
Cardiac manifestations of acquired immune deficiency syndrome: a 1991 update. Kaul S, et al. **Am Heart J** 1991 Aug;122(2):535–44 (75 ref.)
Clinical overview of acquired immune deficiency syndrome (AIDS) and human immunodeficiency virus (HIV)–related disease. Barnes KE. **Am Ind Hyg Assoc J** 1990 Nov; 51(11):A738–41 (22 ref.)
Widespread dissemination of Pneumocystis carinii infection in a patient with acquired immune deficiency syndrome receiving long–term treatment with aerosolized pentamidine. Dembinski AS, et al. **Am J Clin Pathol** 1991 Jan;95(1):96–100 (23 ref.)
Hepatobiliary manifestations of the acquired immune deficiency syndrome. Cappell MS. **Am J Gastroenterol** 1991 Jan;86(1):1–15 (299 ref.)
HIV–associated Hodgkin disease: a clinical study of 18 cases and review of the literature. Gold JE, et al. **Am J Hematol** 1991 Feb;36(2):93–9 (62 ref.)
Elevated cerebrospinal fluid pressures in patients with cryptococcal meningitis and acquired immunodeficiency syndrome. Denning DW, et al. **Am J Med** 1991 Sep; 91(3):267–72 (39 ref.)
Antiretroviral therapy in combination with interferon for AIDS–related Kaposi's sarcoma. Fischl MA. **Am J Med** 1991 Apr 10;90(4A):2S–7S (36 ref.)
Pulmonary disease in AIDS patients. Weissler JC, et al. **Am J Med Sci** 1990 Nov;300(5):330–43 (158 ref.)
Otologic pathophysiology in patients with human immunodeficiency virus. Rarey KE. **Am J Otolaryngol** 1990 Nov–Dec;11(6):366–9 (31 ref.)
The occurrence of opportunistic non–Hodgkin's lymphomas in the setting of infection with the human immunodeficiency virus. Pluda JM, et al. **Ann Oncol** 1991 Feb;2 Suppl 2:191–200 (111 ref.)
Prospected etiopathogenic mechanisms of AIDS–associated tumors. Buonaguro FM, et al. **Antibiot Chemother** 1991; 43:96–114 (111 ref.)
Pediatric AIDS and associated cancers in Kinshasa, Zaire. Davachi F, et al. **Antibiot Chemother** 1991;43:140–9 (45 ref.)
Biomedical and social considerations on the AIDS pandemic and associated tumors. Giraldo G. **Antibiot Chemother** 1991;43:272–5 (0 ref.)
Malignant lymphomas in patients with HIV infection in Italy. Monfardini S. **Antibiot Chemother** 1991;43:124–39 (56 ref.)
Update on AIDS opportunistic infections. Piazza M, et al. **Antibiot Chemother** 1991;43:173–200 (63 ref.)
HIV–associated malignancies. Safai B, et al. **Antibiot Chemother** 1991;43:69–95 (126 ref.)
Kaposi's sarcoma in Italy, a country with intravenous drug users as the main group affected by HIV infection. Tirelli U, et al. **Antibiot Chemother** 1991;43:115–23 (10 ref.)
Porphyria cutanea tarda and acquired immunodeficiency syndrome: case reports and literature review [letter] Scannell KA. **Arch Dermatol** 1990 Dec;126(12):1658–9 (4 ref.)
Extrapulmonary Pneumocystis carinii infections in the acquired immunodeficiency syndrome. Cohen OJ, et al. **Arch Intern Med** 1991 Jun;151(6):1205–14 (89 ref.)
Sulfadiazine crystalluria revisited. The treatment of Toxoplasma encephalitis in patients with acquired immunodeficiency syndrome. Simon DI, et al. **Arch Intern Med** 1990 Nov;150(11):2379–84 (34 ref.)
Gastroenterological aspects of AIDS in the Third World. Anderson M. **Baillieres Clin Gastroenterol** 1990 Jun; 4(2):375–83 (32 ref.)
Cryptosporidiosis and AIDS. Angus KW. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):425–41 (89 ref.)
Clinical aspects of cryptosporidiosis. Connolly GM. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):443–54 (32 ref.)
Cytomegalovirus disease of the gastrointestinal tract in AIDS. Connolly GM. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):405–23 (40 ref.)
The use of drugs in patients with gastrointestinal manifestations of AIDS. Erskine D. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):563–85 (50 ref.)
Kaposi's sarcoma and lymphoma of the gut in AIDS. Friedman SL. **Baillieres Clin Gastroenterol** 1990 Jun; 4(2):455–75 (104 ref.)
Human immunodeficiency virus and the gastrointestinal tract. Griffin GE. **Baillieres Clin Gastroenterol** 1990 Mar; 4(1):119–34 (46 ref.)
Upper gastrointestinal tract infections in AIDS. AIDS GIT Group. René E, et al. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):339–59 (66 ref.)
Updates on AIDS cryptosporidiosis: a review. Garrido Dávila JI, et al. **Bol Asoc Med P R** 1991 Feb;83(2):65–8 (15 ref.)
Kaposi's sarcoma [editorial] Dalgleish AG. **Br J Cancer** 1991 Jul;64(1):3–6 (42 ref.)
Skin manifestations in AIDS patients. Staughton R. **Br J Clin Pract Symp Suppl** 1990 Sep;71:109–13 (1 ref.)
Fungal infections in AIDS patients. Stevens DA. **Br J Clin Pract Symp Suppl** 1990 Sep;71:11–22 (78 ref.)
Urological manifestations of HIV–related disease. A case of AIDS–associated testicular seminoma, Kaposi's sarcoma and possible intracranial lymphoma. Green ST, et al. **Br J Urol** 1991 Feb;67(2):188–90 (25 ref.)
AIDS and the rheumatic diseases. Winchester R. **Bull Rheum Dis** 1990;39(5):1–10 (71 ref.)
Angiocentric immunoproliferative lesion/T–cell non–Hodgkin's lymphoma and the acquired immune deficiency syndrome: a case report and review of the literature. Gold JE, et al. **Cancer** 1990 Dec 1;66(11):2407–13 (74 ref.)
Acquired immunodeficiency syndrome and non–Hodgkin's lymphomas. Karp JE, et al. **Cancer Res** 1991 Sep 15; 51(18):4743–56 (116 ref.)
Pericarditis in AIDS. Dacso CC. **Cardiol Clin** 1990 Nov; 8(4):697–9 (15 ref.)
Cardiovascular effects of alcohol, cocaine, and acquired immune deficiency. Brown J, et al. **Cardiovasc Clin** 1991; 21(3):341–76 (194 ref.)
Neuro–psychiatric manifestations of acquired immune deficiency syndrome (AIDS). Abiodun OA. **Cent Afr J Med** 1990 Sep;36(9):224–30 (33 ref.)
Pneumocystis carinii, an opportunist in immunocompromised patients. Bartlett MS, et al. **Clin Microbiol Rev** 1991 Apr; 4(2):137–49 (202 ref.)
Rhodococcus equi: an animal and human pathogen. Prescott JF. **Clin Microbiol Rev** 1991 Jan;4(1):20–34 (199 ref.)
Current and investigational therapies for AIDS–associated Mycobacterium avium complex disease. Rathbun RC, et al. **Clin Pharm** 1991 Apr;10(4):280–91 (92 ref.)
Spectrum and multiplicity of infectious complications in patients with AIDS: a microbiological perspective. Bottone EJ. **Compr Ther** 1990 Aug;16(8):24–33 (33 ref.)
Miscellaneous cancers associated with AIDS. Cohen P. **Curr Opin Oncol** 1989 Oct;1(1):68–71 (20 ref.)
Recent advances in AIDS–related Kaposi's sarcoma. Gill PS, et al. **Curr Opin Oncol** 1990 Dec;2(6):1161–6 (10 ref.)
Recent advances in AIDS–related Kaposi's sarcoma. Gill PS, et al. **Curr Opin Oncol** 1989 Oct;1(1):57–61 (10 ref.)
AIDS–associated non–Hodgkin's lymphoma. Kaplan LD. **Curr Opin Oncol** 1989 Oct;1(1):62–7 (11 ref.)
AIDS–associated lymphoma. Walsh C. **Curr Opin Oncol** 1990 Dec;2(6):1167–71 (17 ref.)
HIV– and AIDS–related musculoskeletal problems. Rowe IF. **Curr Opin Rheumatol** 1990 Aug;2(4):642–7 (20 ref.)
Recent developments in sexually transmitted diseases: is Kaposi's sarcoma a sexually transmitted disease? Felman YM. **Cutis** 1990 Oct;46(4):303–6 (53 ref.)
AIDS update. Oral manifestations and management. Silverman S Jr. **Dent Clin North Am** 1991 Apr;35(2):259–67 (32 ref.)
Bacterial, viral, fungal, and parasitic infections in HIV disease and AIDS. Berger TG, et al. **Dermatol Clin** 1991 Jul; 9(3):465–92 (209 ref.)
Oral manifestations of HIV infection. Greenspan D, et al. **Dermatol Clin** 1991 Jul;9(3):517–22 (43 ref.)
HIV–related malignancies. Schwartz JJ, et al. **Dermatol Clin** 1991 Jul;9(3):503–15 (124 ref.)
Use of influenza vaccine in AIDS patients. Johansen MJ, et al. **DICP** 1990 Sep;24(9):837–8 (7 ref.)
Foscarnet sodium. Minor JR, et al. **DICP** 1991 Jan;25(1):41–7 (59 ref.)
Intestinal perforation due to cytomegalovirus infection in patients with AIDS. Kram HB, et al. **Dis Colon Rectum** 1990 Dec;33(12):1037–40 (16 ref.)
Pneumocystis carinii pneumonia and acquired immunodeficiency syndrome: an atypical presentation with lung cavitations. Praz JO, et al. **Eur Respir J** 1990 Nov; 3(10):1221–3 (11 ref.)
Spectrum of Aeromonas and Plesiomonas infections in patients with cancer and AIDS. Rolston KV, et al. **Experientia** 1991 May 15;47(5):437–9 (11 ref.)
HIV–1, macrophages, glial cells, and cytokines in AIDS nervous system disease. Merrill JE, et al. **FASEB J** 1991 Jul;5(10):2391–7 (103 ref.)
Hodgkin's disease and AIDS. Twenty–three new cases and a review of the literature. Ames ED, et al. **Hematol Oncol Clin North Am** 1991 Apr;5(2):343–56 (45 ref.)
Pathogenesis of AIDS–associated Kaposi's sarcoma. Ensoli B, et al. **Hematol Oncol Clin North Am** 1991 Apr; 5(2):281–95 (54 ref.)
Epidemiology, clinical characteristics, and management of AIDS–related lymphoma. Levine AM. **Hematol Oncol Clin North Am** 1991 Apr;5(2):331–42 (40 ref.)
The use of hematopoietic hormones in HIV infection and AIDS–related malignancies. Miles SA, et al. **Hematol Oncol Clin North Am** 1991 Apr;5(2):267–80 (41 ref.)
Treatment of AIDS–related Kaposi's sarcoma. Northfelt DW, et al. **Hematol Oncol Clin North Am** 1991 Apr; 5(2):297–310 (62 ref.)
Molecular pathogenesis of AIDS–associated non–Hodgkin's lymphoma. Shiramizu B, et al. **Hematol Oncol Clin North Am** 1991 Apr;5(2):323–30 (32 ref.)
Review on therapeutic options in HIV associated thrombocytopenia with emphasis on i.v. immunoglobulin treatment. Nydegger UE, et al. **Immunol Invest** 1991 Apr; 20(2):223–9 (23 ref.)
Other virus infections in AIDS. I. Cytomegalovirus. Drew WL. **Immunol Ser** 1989;44:507–34 (98 ref.)
Other virus infections in AIDS. II. Herpes simplex virus. Erlich KS, et al. **Immunol Ser** 1989;44:534–54 (63 ref.)
Other infections associated with AIDS. Follansbee SE. **Immunol Ser** 1989;44:467–506 (157 ref.)
Pulmonary complications of AIDS. Golden JA. **Immunol Ser** 1989;44:403–47 (214 ref.)
Other virus infections in AIDS. III. Epstein–Barr virus. Lennette ET. **Immunol Ser** 1989;44:554–64 (43 ref.)
Central nervous system disorders in AIDS. Levy RM, et al. **Immunol Ser** 1989;44:371–401 (99 ref.)
Kaposi's sarcoma in AIDS. Volberding PA. **Immunol Ser** 1989;44:345–58 (51 ref.)
Other virus infections in AIDS. IV. AIDS and hepatitis B virus infection. Vyas GN. **Immunol Ser** 1989;44:564–7 (15 ref.)
Lymphomas and other neoplasms associated with AIDS.

Ziegler JL. **Immunol Ser** 1989;44:359–70 (39 ref.)
Pentamidine: a review. Wispelwey B, et al. **Infect Control Hosp Epidemiol** 1991 Jun;12(6):375–82 (63 ref.)
Oral manifestations of AIDS: an overview. van der Waal I, et al. **Int Dent J** 1991 Feb;41(1):3–8 (4 ref.)
Kaposi's sarcoma and AIDS [editorial] James ND, et al. **Int J STD AIDS** 1991 Mar–Apr;2(2):91–6 (34 ref.)
Acquired immune deficiency syndrome and the developing nervous system. Brenneman DE, et al. **Int Rev Neurobiol** 1990;32:305–53 (223 ref.)
Future directions in the management of cytomegalovirus infections. DeArmond B. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S53–6 (10 ref.)
Invasive aspergillosis in patients with HIV infection: report of two patients and a review of the literature. Decker CF, et al. **J Acquir Immune Defic Syndr** 1991;4(6):603–6 (26 ref.)
Cytomegalovirus colitis and wasting. Kotler DP. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S36–41 (5 ref.)
Neurological manifestations of AIDS. Redmond R, et al. **J Am Optom Assoc** 1990 Oct;61(10):760–7 (16 ref.)
Mycobacterium tuberculosis in the acquired immunodeficiency syndrome. Kaiser–Smith J, et al. **J Am Osteopath Assoc** 1991 Apr;91(4):377–84 (28 ref.)
Tuberculosis and the acquired immune deficiency syndrome. Festenstein F, et al. **J Appl Bacteriol** 1991 Jul;71(1):19–30 (78 ref.)
New–onset psychosis in HIV–infected patients. Harris MJ, et al. **J Clin Psychiatry** 1991 Sep;52(9):369–76 (41 ref.)
Lymphoma in AIDS. Moran EM. **J Environ Pathol Toxicol Oncol** 1990 Nov–Dec; 10(6):326–30 (36 ref.)
AIDS and the gastroenterologist. Smallwood R. **J Gastroenterol Hepatol** 1990;5 Suppl 1:45–62 (146 ref.)
AIDS and the gastroenterologist. Smallwood RA. **J Gastroenterol Hepatol** 1989 Nov–Dec;4(6):547–61 (96 ref.)
Mycobacterial disease associated with HIV infection. Beck K. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S19–23 (29 ref.)
Clinical management of the complications of HIV infection. Cooney TG. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S12–8 (28 ref.)
Neurologic and psychiatric manifestations of HIV disease. Hollander H. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S24–31 (57 ref.)
AIDS commentary. The use of corticosteroids in Pneumocystis carinii pneumonia. Bozzette SA. **J Infect Dis** 1990 Dec;162(6):1365–9 (67 ref.)
Mycobacterium avium infection and AIDS: a therapeutic dilemma in rapid evolution. Ellner JJ, et al. **J Infect Dis** 1991 Jun;163(6):1326–35 (89 ref.)
Coccidioidomycosis in human immunodeficiency virus–infected patients. Galgiani JN, et al. **J Infect Dis** 1990 Nov;162(5):1165–9 (32 ref.)
Interferon in the treatment of AIDS–associated Kaposi's sarcoma: the American experience. Safai B, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):166S–169S (33 ref.)
Oral manifestations of disseminated histoplasmosis in acquired immunodeficiency syndrome: report of two cases and review of the literature. Eisig S, et al. **J Oral Maxillofac Surg** 1991 Mar;49(3):310–3 (16 ref.)
Parotid manifestations of HIV infection. Zeitlen S, et al. **J Surg Oncol** 1991 Aug;47(4):230–2 (16 ref.)
Prostatic abscess due to histoplasma capsulatum in the acquired immunodeficiency syndrome. Marans HY, et al. **J Urol** 1991 Jun;145(6):1275–6 (29 ref.)
Adverse reactions to co–trimoxazole in HIV infection. van der Ven AJ, et al. **Lancet** 1991 Aug 17;338(8764):431–3 (20 ref.)
Grip and stick and the lymphatics. Ryan TJ. **Lymphology** 1990 Jun;23(2):81–4 (22 ref.)
AIDS, Kaposi sarcoma, and the lymphatic system: update and reflections. Witte MH, et al. **Lymphology** 1990 Jun; 23(2):73–80 (24 ref.)
Chancroid and the role of genital ulcer disease in the spread of human retroviruses. Jessamine PG, et al. **Med Clin North Am** 1990 Nov;74(6):1417–31 (84 ref.)
Abnormalities in cholesterol metabolism cause peripheral neuropathy and dementia in AIDS--a hypothesis. Falkenbach A, et al. **Med Hypotheses** 1990 Sep;33(1):57–61 (62 ref.)
Kaposi's sarcoma: what's in control? Doherty R. **Med J Aust** 1991 Feb 4;154(3):161–2 (16 ref.)
Bacteremia due to Mycobacterium tuberculosis in patients with human immunodeficiency virus infection. A report of 9 cases and a review of the literature. Barber TW, et al. **Medicine (Baltimore)** 1990 Nov;69(6):375–83 (38 ref.)
Extrapulmonary pneumocystosis: clinical features in human immunodeficiency virus infection. Northfelt DW, et al. **Medicine (Baltimore)** 1990 Nov;69(6):392–8 (53 ref.)
Primary central nervous system lymphoma in patients with and without the acquired immune deficiency syndrome. A retrospective analysis and review of the literature. Remick SC, et al. **Medicine (Baltimore)** 1990 Nov; 69(6):345–60 (150 ref.)
Disseminated histoplasmosis in the acquired immune deficiency syndrome: clinical findings, diagnosis and treatment, and review of the literature. Wheat LJ, et al. **Medicine (Baltimore)** 1990 Nov;69(6):361–74 (55 ref.)
Mycoses complicating AIDS. Stenderup A, et al. **Microbiol Sci** 1984 Dec;1(9):219–23 (55 ref.)
HIV–1 infection and hematologic picture. Re MC, et al. **Microbiologica** 1991 Apr;14(2):165–76 (74 ref.)
Endocrinologic and metabolic manifestations of the acquired immunodeficiency syndrome. Poretsky L, et al. **Mt Sinai J Med** 1990 Sep;57(4):236–41 (51 ref.)
Overview: cryptococcosis in the patient with AIDS. Sugar AM. **Mycopathologia** 1991 Jun;114(3):153–7 (20 ref.)
Mycobacterium avium complex infection in the acquired immunodeficiency syndrome. Horsburgh CR Jr. **N Engl J Med** 1991 May 9;324(19):1332–8 (74 ref.)
HIV–associated periodontal lesions: a study of the literature. Nantista L. **N Y State Dent J** 1990 Dec;56(10):28–30 (9 ref.)
Nomenclature and research case definitions for neurologic manifestations of human immunodeficiency virus–type 1 (HIV–1) infection. Report of a Working Group of the American Academy of Neurology AIDS Task Force. **Neurology** 1991 Jun;41(6):778–85 (62 ref.)
Malnutrition in patients with AIDS. Hecker LM, et al. **Nutr Rev** 1990 Nov;48(11):393–401 (66 ref.)
Pediatric AIDS: a perspective for the oncologist. Horowitz ME, et al. **Oncology (Williston Park)** 1990 Dec;4(12):21–7; discussion 27–8, 30 (13 ref.)
Pneumocystis carinii otitis media in AIDS: a case report and review of the literature regarding extrapulmonary pneumocystosis. Sandler ED, et al. **Otolaryngol Head Neck Surg** 1990 Nov;103(5 (Pt 1)):817–21 (16 ref.)
AIDS meningoencephalomyelitis. Pathogenesis and changing neuropathologic findings. Rhodes RH, et al. **Pathol Annu** 1991;26 Pt 2:247–76 (231 ref.)
Pediatric HIV disease. The newest chronic illness of childhood. Meyers A, et al. **Pediatr Clin North Am** 1991 Feb;38(1):169–94 (152 ref.)
Lymphocytic interstitial pneumonia. Pitt J. **Pediatr Clin North Am** 1991 Feb;38(1):89–95 (27 ref.)
Mucocutaneous disease in pediatric human immunodeficiency virus infection. Prose NS. **Pediatr Clin North Am** 1991 Aug; 38(4):977–90 (72 ref.)
Pneumocystis carinii infections in HIV–infected children. Sanders–Laufer D, et al. **Pediatr Clin North Am** 1991 Feb; 38(1):69–88 (124 ref.)
Burkitt's lymphoma in a child with AIDS. Young SA, et al. **Pediatr Pathol** 1991 Jan–Feb;11(1):115–22 (12 ref.)
Fluconazole. Review and situation among antifungal drugs in the treatment of opportunistic mycoses of human immuno–deficiency virus infections. Vincent–Ballereau FN, et al. **Pharm Weekbl [Sci]** 1991 Apr 26;13(2):45–57 (47 ref.)
Trimethoprim–sulfamethoxazole anaphylactoid reactions in patients with AIDS: case reports and literature review. Johnson MP, et al. **Pharmacotherapy** 1990;10(6):413–6 (19 ref.)
Parasitic diseases. Diseases associated with acquired immunodeficiency syndrome. Levine GI. **Prim Care** 1991 Mar;18(1):129–52 (60 ref.)
Treatment of opportunistic infections associated with acquired immune deficiency syndrome. Miller SM. **Prim Care** 1990 Sep;17(3):543–64 (121 ref.)
Some facets of cryptosporidiosis. Anderson BC. **Prog AIDS Pathol** 1990;2:143–9 (58 ref.)
The acquired immunodeficiency syndrome (AIDS) and neoplasia. Beckstead JH. **Prog AIDS Pathol** 1989;1:201–12 (90 ref.)
The clinicopathologic spectrum of bacillary (epithelioid) angiomatosis. Cockerell CJ. **Prog AIDS Pathol** 1990; 2:111–26 (11 ref.)
The expanding spectrum of Pneumocystis carinii infection in the acquired immunodeficiency syndrome. Ewing EP Jr, et al. **Prog AIDS Pathol** 1989;1:85–90 (33 ref.)
Disseminated strongyloidiasis and other selected unusual infections in patients with the acquired immunodeficiency syndrome. Glezerov V, et al. **Prog AIDS Pathol** 1990; 2:137–42 (44 ref.)
Acalculous cholecystitis in the acquired immunodeficiency syndrome. Hinnant K, et al. **Prog AIDS Pathol** 1990; 2:151–62 (24 ref.)
Immunohistochemistry of human immunodeficiency virus in the central nervous system and an hypothesis concerning the pathogenesis of AIDS meningoencephalomyelitis. Rhodes RH, et al. **Prog AIDS Pathol** 1989;1:167–79 (69 ref.)
Pulmonary complications in patients with the acquired immunodeficiency syndrome: diagnostic methods. Sittler SY, et al. **Prog AIDS Pathol** 1990;2:73–87 (61 ref.)
Microsporidia: opportunistic pathogens in patients with AIDS. Bryan RT, et al. **Prog Clin Parasitol** 1991;2:1–26 (74 ref.)
Pneumocystis carinii pneumonia (PCP). Lipschik GY, et al. **Prog Clin Parasitol** 1991;2:27–71 (294 ref.)
Nutritional disorders in HIV disease. Calderón E, et al. **Prog Food Nutr Sci** 1990;14(4):371–402 (97 ref.)
Neuropsychiatric aspects of AIDS and psychopharmacologic management. Gilmer WS, et al. **Psychiatr Med** 1991; 9(2):313–29 (68 ref.)
HIV–1: neuropsychiatric manifestations and their treatment. Bridge TP. **Psychopharmacol Bull** 1988;24(3):320–4 (30 ref.)
Pulmonary manifestations of AIDs. CT and radiographic correlations. Naidich DP, et al. **Radiol Clin North Am** 1991 Sep;29(5):999–1017 (83 ref.)
Pulmonary neoplastic and lymphoproliferative disease in AIDS: a review. Heitzman ER. **Radiology** 1990 Nov; 177(2):347–51 (55 ref.)
Listeria monocytogenes infections in patients with AIDS: report of five cases and review. Decker CF, et al. **Rev Infect Dis** 1991 May–Jun;13(3):413–7 (38 ref.)
The growing problem of mycoses in patients infected with the human immunodeficiency virus. Diamond RD. **Rev Infect Dis** 1991 May–Jun;13(3):480–6 (38 ref.)
Rhodococcus equi infection in the patient with AIDS: literature review and report of an unusual case. Emmons W, et al. **Rev Infect Dis** 1991 Jan–Feb;13(1):91–6 (37 ref.)
Rhodococcus equi infection in patients with and without human immunodeficiency virus infection. Harvey RL, et al. **Rev Infect Dis** 1991 Jan–Feb;13(1):139–45 (36 ref.)
Therapeutic approaches to neoplasms in AIDS. Levine AM. **Rev Infect Dis** 1990 Sep–Oct;12(5):938–43 (27 ref.)
Extrapulmonary pneumocystosis: the first 50 cases. Raviglione MC. **Rev Infect Dis** 1990 Nov–Dec; 12(6):1127–38 (67 ref.)
Problems in the diagnosis of invasive fungal diseases. Rinaldi MG. **Rev Infect Dis** 1991 May–Jun;13(3):493–5 (6 ref.)
Otorhinolaryngologic manifestations of acquired immunodeficiency syndrome. Sant'Anna GD, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991;112(1):63–6 (19 ref.)
AIDS and tuberculosis. Martin DJ, et al. **S Afr Med J** 1990 Nov 3;78(9):533–5 (19 ref.)
Antimicrobial chemoprophylaxis in immunocompromised patients. Frøland SS. **Scand J Infect Dis Suppl** 1990; 70:130–40 (42 ref.)
Seborrheic dermatitis and atopic eczema in human immunodeficiency virus infection. Fröschl M, et al. **Semin Dermatol** 1990 Sep;9(3):230–2 (19 ref.)
The neuropsychiatry of human immunodeficiency virus. Grant I. **Semin Neurol** 1990 Sep;10(3):267–75 (62 ref.)
Current approach to the treatment of human immunodeficiency virus–associated weight loss: pathophysiologic considerations and emerging management strategies. Hellerstein MK, et al. **Semin Oncol** 1990 Dec; 17(6 Suppl 9):17–33 (80 ref.)
Cryptococcal meningitis in the acquired immunodeficiency syndrome. Panther LA, et al. **Semin Respir Infect** 1990 Jun;5(2):138–45 (34 ref.)
Progressive disseminated histoplasmosis in the acquired immunodeficiency syndrome: a model for disseminated disease. Sarosi GA, et al. **Semin Respir Infect** 1990 Jun; 5(2):146–50 (22 ref.)
Cytomegalovirus–induced osteomyelitis in a patient with the acquired immunodeficiency syndrome. Berman S, et al. **South Med J** 1990 Oct;83(10):1231–2 (11 ref.)
Focal hepatic tuberculosis in a patient with acquired immunodeficiency syndrome. Kielhofner MA, et al. **South Med J** 1991 Mar;84(3):401–4 (41 ref.)
Disseminated strongyloidiasis in AIDS and non–AIDS immunocompromised hosts: diagnosis by sputum and bronchoalveolar lavage. Kramer MR, et al. **South Med J** 1990 Oct;83(10):1226–9 (24 ref.)
Invasive aspergillosis in AIDS. Singh N, et al. **South Med J** 1991 Jul;84(7):822–7 (24 ref.)
Treatment of cytomegalovirus infection in the AIDS patient. Merigan TC. **Transplant Proc** 1991 Jun;23(3 Suppl 3):122–5 (32 ref.)
Pneumocystis carinii pneumonia [clinical conference] Balaan MR. **W V Med J** 1990 Dec;86(12):561–5 (17 ref.)
[Pneumocystitis carinii pneumonia in adult patients with AIDS] Møller A, et al. **Ugeskr Laeger** 1991 Jun 10; 153(24):1710–1 (30 ref.) (Eng. Abstr.) **(Dan)**
[Cardiac involvement in carriers of the human immunodeficiency virus. Report of 38 cases] Blanc P, et al. **Ann Cardiol Angeiol (Paris)** 1990 Nov;39(9):519–25 (26 ref.) (Eng. Abstr.) **(Fre)**
[Mollusca contagiosa–like cutaneous cryptococcosis in AIDS: a case] Poizot–Martin I, et al. **Ann Dermatol Venereol** 1991;118(1):29–32 (21 ref.) **(Fre)**
[First Consensus Conference on the anti–infectious treatment organized by the Infectious Pathology Society of French language (S.P.I.L.F.). May 11, 1990. Xavier–Bichat Medicine Faculty. 16, Henri–Huchard, F–75018 Paris. Pneumocystosis in HIV infection. The text of the consensus] **Ann Med Interne (Paris)** 1990;141(6):541–51 (92 ref.) **(Fre)**
[First Consensus Conference on anti–infectious Treatment. Pneumocystosis in HIV infection. Brief report (11–13 May 1990)] **Ann Med Interne (Paris)** 1990;141(4):374–6 (0 ref.) **(Fre)**
[Hepatic involvement in AIDS. A retrospective clinical study in 71 patients] Astagneau P, et al. **Ann Med Interne (Paris)** 1990;141(5):459–63 (25 ref.) (Eng. Abstr.) **(Fre)**
[Vasculitis in human immunodeficiency virus infection. Review of the literature] Cohen P, et al. **Ann Med Interne (Paris)** 1991;142(1):53–62 (74 ref.) **(Fre)**
[Liver and human immunodeficiency virus type 1] Lesur G, et al. **Ann Med Interne (Paris)** 1991;142(3):219–25 (62 ref.) **(Fre)**
[Visceral leishmaniasis and immunosuppression] Lortholary O, et al. **Ann Med Interne (Paris)** 1991;142(3):215–7 (45 ref.) **(Fre)**
[Opportunistic parasitic diseases in Africa. Clinical aspects and diagnosis] Kapita B, et al. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:45–7 (10 ref.)

(Eng. Abstr.) **(Fre)**
[Cardiac lesions in acquired immunodeficiency syndrome (AIDS). Apropos of an autopsy series of 25 cases] Hofman P, et al. **Ann Pathol** 1990;10(4):247–57 (54 ref.) (Eng. Abstr.) **(Fre)**
[Acute toxoplasmic myocarditis. A cause of sudden death in a case of acquired immunodeficiency syndrome] Hoffman P, et al. **Arch Mal Coeur** 1990 Oct;83(11):1735–8 (10 ref.) (Eng. Abstr.) **(Fre)**
[Von Economo–Cruchet lethargic encephalitis and its relation to HIV infection] Czermak M, et al. **Encephale** 1990 Sep–Oct;16(5):375–82 (37 ref.) (Eng. Abstr.) **(Fre)**
[Ocular toxoplasmosis and AIDS. A case report] Garcher C, et al. **J Fr Ophtalmol** 1990;13(1–2):69–73 (25 ref.) (Eng. Abstr.) **(Fre)**
[Ophthalmologic manifestations of AIDS in an African milieu. Report of 45 cases] Kawe LW, et al. **J Fr Ophtalmol** 1990;13(4):199–204 (19 ref.) (Eng. Abstr.) **(Fre)**
[Thrombotic thrombocytopenic purpura in HIV infection. 3 cases] Doco–Lecompte T, et al. **Presse Med** 1991 Jun 29;20(25):1159–62 (15 ref.) (Eng. Abstr.) **(Fre)**
[Prevention of pneumocystosis with pentamidine aerosols] Fraisse P, et al. **Presse Med** 1990 Nov 17;19(38):1762–6 (52 ref.) (Eng. Abstr.) **(Fre)**
[Cutaneo–mucosal hyperpigmentation in AIDS. 4 cases] Poizot–Martin I, et al. **Presse Med** 1991 Apr 13; 20(14):632–6 (14 ref.) (Eng. Abstr.) **(Fre)**
[Diffuse interstitial pneumopathies caused by lentivirus (HIV–1) in humans and animals] Mornex JF, et al. **Rev Mal Respir** 1990;7(6):517–28 (93 ref.) (Eng. Abstr.) **(Fre)**
[Infectious esophagitis in HIV infection] Pauwels A, et al. **Rev Med Interne** 1990 May–Jun;11(3):223–8 (66 ref.) (Eng. Abstr.) **(Fre)**
[Infarction of the pons, neurosyphilis and HIV infection] Labauge R, et al. **Rev Neurol (Paris)** 1991;147(5):406–8 (22 ref.) (Eng. Abstr.) **(Fre)**
[AIDS and myasthenia: an uncommon association] Martini L, et al. **Rev Neurol (Paris)** 1991;147(5):395–7 (15 ref.) (Eng. Abstr.) **(Fre)**
[Pneumocystis carinii pneumonia in HIV infections. Committee of the 1st Consensus Conference of anti–infectious therapy organized in May 1990 in Paris by the Société de Pathologie Infectieuse de Langue Française] **Rev Pneumol Clin** 1990;46(4):141–53 (92 ref.) (Eng. Abstr.) **(Fre)**
[Pneumocystis carinii pneumonia in patients with AIDS in the Congo] M'Boussa J, et al. **Rev Pneumol Clin** 1991; 47(1):39–42 (19 ref.) (Eng. Abstr.) **(Fre)**
[Pulmonary and pleural localizations of Kaposi's sarcoma in AIDS] Mayaud C, et al. **Rev Pneumol Clin** 1990; 46(6):237–43 (48 ref.) (Eng. Abstr.) **(Fre)**
[Atypical mycobacterium infections] Krüger M. **Derm Beruf Umwelt** 1990 Jul–Aug;38(4):109–17 (91 ref.) (Eng. Abstr.) **(Ger)**
[Atypical forms of AIDS–associated Pneumocystis carinii infection] Ewig S, et al. **Dtsch Med Wochenschr** 1991 Mar 1;116(9):346–51 (68 ref.) **(Ger)**
[Gastrointestinal manifestations of AIDS. 1: Basic considerations and viral infections] Prüfer–Krämer L, et al. **Fortschr Med** 1991 Mar 10;109(7):169–72 (41 ref.) (Eng. Abstr.) **(Ger)**
[Gastrointestinal manifestations of AIDS. 2: Bacterial and vhparasitic infections, malignant tumors] Prüfer–Krämer L, et al. **Fortschr Med** 1991 Mar 20;109(8):179–82 (40 ref.) (Eng. Abstr.) **(Ger)**
[AIDS and the eye] Lund OE, et al. **Fortschr Ophthalmol** 1990;87 Suppl:S94–100 (35 ref.) (Eng. Abstr.) **(Ger)**
[Manifestations of AIDS in the gastrointestinal tract] Heise W, et al. **Leber Magen Darm** 1991 Jan;21(1):9–14 (19 ref.) (Eng. Abstr.) **(Ger)**
[Cryptococcosis in AIDS: therapeutic concepts] Ruf B. **Mycoses** 1990;33 Suppl 1:55–64 (30 ref.) (Eng. Abstr.) **(Ger)**
[AIDS tumors] Hehlmann R, et al. **Verh Dtsch Ges Inn Med** 1990;96:534–9 (10 ref.) **(Ger)**
[The ever present cytomegalovirus] Pohle HD. **Verh Dtsch Ges Inn Med** 1990;96:521–4 (18 ref.) **(Ger)**
[HIV–infection in childhood] Révész T. **Orv Hetil** 1991 Jul 14;132(28):1515–20 (40 ref.) (Eng. Abstr.) **(Hun)**
[AIDS and the skin] De Filippi C. **G Ital Dermatol Venereol** 1990 Oct;125(10):413–21 (54 ref.) (Eng. Abstr.) **(Ita)**
[Intraparotid lesions in HIV infection] Damiani S, et al. **Pathologica** 1990 May–Jun;82(1079):287–95 (11 ref.) (Eng. Abstr.) **(Ita)**
[Tuberculosis and mycobacteriosis in HIV–1 infection] Rosci MA, et al. **Recenti Prog Med** 1990 Jan;81(1):9–17 (80 ref.) (Eng. Abstr.) **(Ita)**
[Neurological complications of AIDS] Selmaj K. **Pol Tyg Lek** 1990 Jul 2–9;45(27–28):576–81 (35 ref.) **(Pol)**
[Clinical picture of early syphilis in patients with HIV infection in the light of literature data] Starzycki Z. **Przegl Dermatol** 1990 Jul–Aug;77(4):276–82 (19 ref.) (Eng. Abstr.) **(Pol)**
[Pathogenesis and therapy of persistent infections associated with immunodeficiency syndromes] Votiakov VI, et al. **Klin Med (Mosk)** 1991 May;69(5):29–37 (28 ref.) **(Rus)**
[The small intestine involvement syndrome syndrome in AIDS] Valenkevich LN, et al. **Ter Arkh** 1990;62(11):133–5 (31 ref.) **(Rus)**
[Infections caused by viruses like the AIDS (HIV) virus and central nervous system lesions (a review)] Lalaiants IE, et al. **Zh Nevropatol Psikhiatr** 1991;91(3):114–7 (34 ref.) **(Rus)**
[Neurology of the acquired immunodeficiency syndrome. II. Infections and tumors of the central nervous system] Orolin D, et al. **Cesk Neurol Neurochir** 1990 Jul;53(4):215–27 (79 ref.) **(Slo)**
[Papillary necrosis and formation of fungal balls in a patient with AIDS: a clinical case and brief review] López Aramburu MA, et al. **Actas Urol Esp** 1990 Sep–Oct; 14(5):371–3 (10 ref.) (Eng. Abstr.) **(Spa)**
[Infective pathology of the digestive tract in patients with human immunodeficiency virus infection] Podzamczer D, et al. **Enferm Infecc Microbiol Clin** 1989 Mar;7(3):160–6 (107 ref.) **(Spa)**
[Treatment of the most common infections in patients with human immunodeficiency virus infection. Task–force on AIDS of the Sociedad Española de Enfermedades Infecciosas y Microbiología Clínica] Podzamczer D, et al. **Enferm Infecc Microbiol Clin** 1990 Mar;8(3):161–75 (230 ref.) **(Spa)**
[Endocrine pathology associated with human immunodeficiency virus infection] Masmiquel L, et al. **Med Clin (Barc)** 1991 May 11;96(18):711–5 (66 ref.) **(Spa)**
[The characteristics of the opportunistic infections associated with AIDS: tuberculosis and toxoplasmosis] Gatell JM. **Rev Clin Esp** 1990 May;186(8):405–6 (30 ref.) **(Spa)**
[Infection in patients with immunodeficiencies] Arikan S. **Mikrobiyol Bul** 1990 Jul;24(3):279–94 (17 ref.) (Eng. Abstr.) **(Tur)**

DIAGNOSIS

New developments in diagnosing HIV infections. Wilber JC. **AIDS Clin Rev** 1991;:1–15 (47 ref.)
New developments in the diagnosis of pediatric HIV infections. De Rossi A, et al. **Antibiot Chemother** 1991; 43:214–26 (36 ref.)
Analyzing laboratory marker changes in AIDS clinical trials. Dawson JD, et al. **J Acquir Immune Defic Syndr** 1991; 4(7):667–76 (21 ref.)
[HIV seropositivity in promiscuous heterosexual, homosexual and bisexual men and patients voluntarily reporting for screening in Hungary between 1 January 1986 and 31 December 1989] Horváth A, et al. **Orv Hetil** 1991 May 26;132(21):1149–53 (32 ref.) (Eng. Abstr.) **(Hun)**
[HIV infection and the acquired immunodeficiency syndrome. II] Melino C, et al. **Clin Ter** 1991 May 31; 137(4):235–63 (78 ref.) (Eng. Abstr.) **(Ita)**
[Perinatal HIV–infection. Symptomatology, diagnosis and treatment] Brunvand L, et al. **Tidsskr Nor Laegeforen** 1991 Feb 10;111(4):436–9 (28 ref.) (Eng. Abstr.) **(Nor)**
[The syndromology and pathological anatomy of HIV infection (AIDS)] Kazantseva IA, et al. **Arkh Patol** 1990; 52(7):3–9 (62 ref.) (Eng. Abstr.) **(Rus)**
[The clinical characteristics of nervous system involvement in AIDS] Tkachenko EV. **Vrach Delo** 1991 Apr;(4):13–6 (34 ref.) **(Rus)**
[Advances in the diagnosis of pulmonary complications in patients infected with the human immunodeficiency virus] Pérez Arellano JL, et al. **An Med Interna** 1990 Jun; 7(6):315–23 (84 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Human immunodeficiency virus structure: implications for antiviral design. Arnold E, et al. **Adv Virus Res** 1991; 39:1–87 (503 ref.)
New developments in antiretroviral drug therapy for human immunodeficiency virus infections. Johnson VA, et al. **AIDS Clin Rev** 1990;:235–72 (181 ref.)
Antiretroviral therapy and immunomodulators in patients with AIDS. Groopman JE. **Am J Med** 1991 Apr 10; 90(4A):18S–21S (21 ref.)
Treatment of AIDS with combinations of antiretroviral agents. Merigan TC. **Am J Med** 1991 Apr 10; 90(4A):8S–17S (35 ref.)
Therapeutic properties of sodium diethyldithiocarbamate: its role as an inhibitor in the progression of AIDS. Sunderman FW Sr. **Ann Clin Lab Sci** 1991 Jan–Feb;21(1):70–81 (88 ref.)
DNA polymerases versus HIV reverse transcriptase in AIDS therapy. Cheng YC, et al. **Ann N Y Acad Sci** 1990; 616:217–23 (21 ref.)
Acquired immune deficiency syndrome (AIDS). Progress in drug research and therapeutic potential. Georgiev VS, et al. **Ann N Y Acad Sci** 1990;616:1–10 (8 ref.)
Comparative studies of 2',3'-didehydro-2',3'-dideoxythymidine (D4T) with other pyrimidine nucleoside analogues. Martin JC, et al. **Ann N Y Acad Sci** 1990;616:22–8 (35 ref.)
HIV–1 protease as a potential target for anti–AIDS therapy. Meek TD, et al. **Ann N Y Acad Sci** 1990;616:41–53 (85 ref.)
Impaired immunity in AIDS. The mechanisms responsible and their potential reversal by antiviral therapy. Ruegg CL, et al. **Ann N Y Acad Sci** 1990;616:307–17 (56 ref.)
Antisense and antiviral therapy. Sherman MI. **Ann N Y Acad Sci** 1990;616:201–4 (11 ref.)
Pharmacologic studies of nucleosides active against the human immunodeficiency virus. Sommadossi JP, et al. **Ann N Y Acad Sci** 1990;616:356–66 (33 ref.)
Synergistic drug combinations in AIDS therapy. Dipyridamole/3'-azido–3'-deoxythymidine in particular and principles of analysis in general. Weinstein JN, et al. **Ann N Y Acad Sci** 1990;616:367–84 (68 ref.)
Zidovudine (Retrovir) update. Rachlis AR. **Can Med Assoc J** 1990 Dec 1;143(11):1177–85 (71 ref.)
Treatment of acquired immunodeficiency syndrome. Yarchoan R, et al. **Cancer Chemother Biol Response Modif** 1990;11:379–415 (191 ref.)
Treatment of HIV infections and AIDS: new horizons. Koech DK, et al. **East Afr Med J** 1990 Jul;67(7 Suppl 2):SS77–81 (16 ref.)
Targeted therapy of human immunodeficiency virus–related disease. Mitsuya H, et al. **FASEB J** 1991 Jul;5(10):2369–81 (99 ref.)
Drug approval and AIDS: benefits for the elderly. Rothman DJ, et al. **Health Aff (Millwood)** 1990 Fall;9(3):123–30 (9 ref.)
Hematologic effects of AIDS therapies. Pluda JM, et al. **Hematol Oncol Clin North Am** 1991 Apr;5(2):229–48 (121 ref.)
Therapeutic update: viral dermatosis and AIDS. Haldar B. **Indian J Dermatol** 1990 Mar;35(1):25–31 (12 ref.)
Basic approaches to anti–retroviral treatment. De Clercq E. **J Acquir Immune Defic Syndr** 1991;4(3):207–18 (47 ref.)
Treatment of AIDS and HIV–related conditions. Goldschmidt RH, et al. **J Am Board Fam Pract** 1991 May–Jun;4(3):178–91 (36 ref.)
Recent advances in the medical management of early HIV disease. Volberding PA. **J Gen Intern Med** 1991 Jan–Feb; 6(1 Suppl):S7–12 (27 ref.)
HIV protease: a novel chemotherapeutic target for AIDS. Huff JR. **J Med Chem** 1991 Aug;34(8):2305–14 (122 ref.)
Programmed activation of T–lymphocytes. A theoretical basis for short term treatment of AIDS with azidothymidine. Forsdyke DR. **Med Hypotheses** 1991 Jan; 34(1):24–7 (38 ref.)
Opiate antagonists and anti–HIV agents. Hahn EF. **NIDA Res Monogr** 1990;96:80–99 (45 ref.)
Effect of fluorine substitution on the anti–HIV activity of dideoxynucleosides. Marquez VE. **NIDA Res Monogr** 1990; 96:61–79 (33 ref.)
The pharmacologic treatment of HIV infection and AIDS in adults. Cohen FL. **Nurs Clin North Am** 1991 Jun; 26(2):315–29 (67 ref.)
Molecular targets for AIDS therapy. Mitsuya H, et al. **Science** 1990 Sep 28;249(4976):1533–44 (137 ref.)
Living with AIDS—changes and challenges in the care of HIV disease. Scoular AB. **Scott Med J** 1990 Oct; 35(5):131–2 (12 ref.)
The 3–D structure of HIV–1 proteinase and the design of antiviral agents for the treatment of AIDS. Blundell TL, et al. **Trends Biochem Sci** 1990 Nov;15(11):425–30 (39 ref.)
The chronically infected cell as a target for the treatment of HIV infection and AIDS. Petteway SR Jr, et al. **Trends Pharmacol Sci** 1991 Jan;12(1):28–34 (38 ref.)
[Treatments of human immunodeficiency virus infection. Current developments] Sereni D, et al. **Ann Med Interne (Paris)** 1991;142(3):209–14 (59 ref.) **(Fre)**
[Therapy of lung diseases in AIDS] Eichenlaub D. **Verh Dtsch Ges Inn Med** 1990;96:516–21 (7 ref.) **(Ger)**
[Antiviral chemotherapy for AIDS: dideoxynucleosides and clinical application] Shiraska T, et al. **Nippon Rinsho** 1990 Sep;48(9):2141–50 (25 ref.) **(Jpn)**
[Chemotherapy of AIDS: results and prospects] Chizhov NP. **Antibiot Khimioter** 1991 Apr;36(4):38–42 (41 ref.) **(Rus)**
[Treatment of HIV infection in childhood] Ruiz Contreras J, et al. **An Esp Pediatr** 1990 Jul;33(1):1–11 (78 ref.) **(Spa)**
[Drug surveillance for adverse reactions in patients with human immunodeficiency virus infection] Valencia ME, et al. **An Med Interna** 1990 Nov;7(11):591–8 (58 ref.) (Eng. Abstr.) **(Spa)**

ECONOMICS

Financing health care for persons with HIV infection: guidelines for state action. Fox DM. **Am J Law Med** 1990; 16(1–2):223–47 (74 ref.)
[Socioeconomic aspects of human immunodeficiency virus (HIV) infection in developing countries] Gentilini M, et al. **Bull Acad Natl Med** 1990 Nov;174(8):1209–19; discussion 1219–21 (21 ref.) (Eng. Abstr.) **(Fre)**

EPIDEMIOLOGY

AIDS in the Americas: a public health priority for the region [see comments] Quinn TC, et al. **AIDS** 1990 Aug; 4(8):709–24 (157 ref.) Comment in: AIDS 1991 Feb;5(2):227.
Epidemiology of AIDS: an overview of AIDS epidemiology and major modes of transmission. Lamm SH. **Am Ind Hyg Assoc J** 1990 Nov;51(11):A742–6 (39 ref.)
Medical privacy issues in the age of AIDS: legislative options. Edgar H, et al. **Am J Law Med** 1990;16(1–2):155–222 (324 ref.)
A decade of a maturing epidemic: an assessment and directions for future public policy. Gostin L.

Am J Law Med 1990;16(1–2):1–32 (136 ref.)
The global epidemiology of HIV infection and AIDS. Braun MM, et al. **Annu Rev Microbiol** 1990;44:555–77 (93 ref.)
Review of epidemiology of HIV–1 infection in children: Zaire experience. Davachi F. **Antibiot Chemother** 1991; 43:14–36 (89 ref.)
The epidemiological evolution of HIV infection. Greco D. **Antibiot Chemother** 1991;43:1–13 (4 ref.)
Human immunodeficiency virus type 2 (HIV2). Hughes A, et al. **Blood Rev** 1990 Sep;4(3):158–64 (74 ref.)
AIDS: challenges to our health care systems. Osborn JE. **Cleve Clin J Med** 1990 Nov–Dec;57(8):709–14 (8 ref.)
The epidemiology of AIDS: a decade of experience. Quinn TC. **Curr Clin Top Infect Dis** 1991;11:61–93 (162 ref.)
HIV epidemiology: past, present, and future. Blattner WA. **FASEB J** 1991 Jul;5(10):2340–8 (54 ref.)
AIDS in Africa. Clumeck N. **Immunol Ser** 1989;44:37–63 (111 ref.)
AIDS in Haiti. Johnson WD Jr, et al. **Immunol Ser** 1989; 44:65–78 (17 ref.)
The epidemiology of acquired immunodeficiency syndrome. Rutherford GW, et al. **Immunol Ser** 1989;44:1–36 (201 ref.)
AIDS and HIV infection: an epidemiological overview. Dumasia AN. **Indian J Med Sci** 1990 Aug;44(8):223–7 (3 ref.)
HIV infection in pregnancy: epidemiology and clinical management. MacDonald MG, et al.
J Acquir Immune Defic Syndr 1991;4(2):100–8 (58 ref.)
Current report—HIV. AIDS at the crossroads: a report from the 1990 International Conference on AIDS—San Francisco. Goldschmidt RH, et al.
J Am Board Fam Pract 1990 Oct–Dec;3(4):297–304 (52 ref.)
Disinfection and endoscopy: the clinical risks of infection. Cowen AE. **J Gastroenterol Hepatol** 1991 Jan–Feb; 6(1):25–30 (104 ref.)
Assessing HIV infection in primary care practice. Makadon HJ. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S2–7 (23 ref.)
Epidemics and agendas: the politics of nightly news coverage of AIDS. Colby DC, et al. **J Health Polit Policy Law** 1991 Summer;16(2):215–49 (51 ref.)
Risk factors for AIDS among adolescents. Millstein SG. **New Dir Child Dev** 1990 Winter;(50):3–15 (41 ref.)
Epidemiology of human immunodeficiency virus infection in women in the United States. Ellerbrock TV, et al. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):523–44 (65 ref.)
Epidemiology of acquired immunodeficiency syndrome and human immunodeficiency virus infection in adolescents. Gayle HD, et al. **Pediatr Infect Dis J** 1991 Apr;10(4):322–8 (54 ref.)
Herd immunity and the HIV epidemic. O'Connor WT. **Prev Med** 1991 May;20(3):329–42 (103 ref.)
Epidemiology of HIV infections. Design options with special reference to developing countries. Sandström A, et al. **Scand J Infect Dis Suppl** 1990;69:173–80 (7 ref.)
Some statistical issues in studies of the epidemiology of AIDS. Jewell NP. **Stat Med** 1990 Dec;9(12):1387–416; discussion 1433–7 (81 ref.)
AIDS: realities and hopes. Füst G. **Ther Hung** 1990; 38(3):91–8 (33 ref.)
Human immunodeficiency virus infection in Northern Ireland 1980–1989. Maw RD, et al. **Ulster Med J** 1991 Apr; 60(1):63–74 (28 ref.)
Double victims: poor women and AIDS. Shayne VT, et al. **Women Health** 1991;17(1):21–37 (61 ref.)
[The worldwide AIDS epidemic and the role of Danida in the international control work] Staugård F, et al. **Ugeskr Laeger** 1990 Dec 31;153(1):4–9 (20 ref.) (Eng. Abstr.) **(Dan)**
[Surveys on AIDS in Africa] Guillaume A, et al. **Bull Soc Pathol Exot Filiales** 1990;83(4):552–9; discussion 559–60 (6 ref.) (Eng. Abstr.) **(Fre)**
[AIDS and HIV infection in intravenous drug addicts in the Federal Republic of Germany] Stark K, et al. **Dtsch Med Wochenschr** 1991 May 31;116(22):863–9 (44 ref.) **(Ger)**
[Dimensions of the challenge introduced by HIV and AIDS] Uberla K. **Verh Dtsch Ges Inn Med** 1990;96:510–5 (28 ref.) **(Ger)**
[Present state of AIDS and its current problems] Abe T. **Nippon Hifuka Gakkai Zasshi** 1990 Nov;100(13):1323–5 (10 ref.) **(Jpn)**
[The epidemiology of AIDS (a review of the literature)] Vorob'ev AI. **Voen Med Zh** 1990 Jun;(6):48–52 (18 ref.) **(Rus)**
[Pediatric AIDS in Spain] Canosa CA, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 42:141–9 (56 ref.) **(Spa)**
[Human immunodeficiency virus infection in the Spanish population. Review of the literature] Merino F, et al. **An Med Interna** 1990 Mar;7(3):147–53 (70 ref.) (Eng. Abstr.) **(Spa)**
[Epidemiologic aspects of acquired immunodeficiency syndrome (AIDS). Review] Merino F, et al. **Invest Clin** 1989;30(2):111–22 (1 ref.) (Eng. Abstr.) **(Spa)**
[Infection by the human immunodeficiency virus in the Spanish population (II). A meta-analysis of the time and geographic trends] Fernández Sierra MA, et al. **Med Clin (Barc)** 1990 Sep 29;95(10):366–71 (93 ref.) (Eng. Abstr.) **(Spa)**
[Tuberculosis and AIDS. The situation in Spain. The outlook (editorial)] de March Ayuela P. **Rev Clin Esp** 1990 May; 186(8):365–8 (87 ref.) **(Spa)**

ETHNOLOGY

AIDS survey methodology with black Americans. Mays VM, et al. **Soc Sci Med** 1991;33(1):47–54 (45 ref.)
Examining ethnicity versus race in AIDS related sex research. Wyatt GE. **Soc Sci Med** 1991;33(1):37–45 (43 ref.)

ETIOLOGY

FcR–mediated enhancement of HIV–1 infection by antibody. Takeda A, et al. **AIDS Res Hum Retroviruses** 1990 Aug; 6(8):999–1004 (42 ref.)
Drug addiction and AIDS. Cargnel A, et al. **Antibiot Chemother** 1991;43:45–54 (38 ref.)
AIDS and hemophilia. de Biasi R, et al. **Antibiot Chemother** 1991;43:156–72 (78 ref.)
The pathogenesis of HIV infection. Levy JA. **Hosp Pract [Off]** 1990 Nov 15;25(11):41–8 (10 ref.)
AIDS and hemophilia. Koerper MA. **Immunol Ser** 1989; 44:79–95 (83 ref.)
AIDS/HIV infection and employment. Malone JM. **Ir Med J** 1990 Dec;83(4):148–50 (44 ref.)
The relevance of lymphoid cell migration to immunodeficiency syndromes. Hay JB, et al. **Lymphology** 1990 Jun;23(2):64–72 (78 ref.)
Is immune oversuppression the direct cause of AIDS? Aranda–Anzaldo A. **Med Hypotheses** 1990 Oct; 33(2):129–35 (38 ref.)
Herpesviruses, lymphocytes, and AIDS. Rapp F. **Microbiol Sci** 1984 Sep;1(6):153–5 (17 ref.)
Do we know the cause(s) of AIDS? Root–Bernstein RS. **Perspect Biol Med** 1990 Summer;33(4):480–500 (130 ref.)
The envelope of HIV–1 as a key component to infectivity. Buchbinder A. **Prog AIDS Pathol** 1990;2:1–11 (84 ref.)
Multi–step pathogenesis of AIDS—role of cytomegalovirus. Fiala M, et al. **Res Immunol** 1991 Feb;142(2):87–95 (74 ref.)
A response to P.H. Duesberg with reference to an idiotypic network model of AIDS immunopathogenesis. Hoffmann GW. **Res Immunol** 1990 Oct;141(8):701–9 (29 ref.)
Non–HIV immunosuppressive factors in AIDS: a multifactorial, synergistic theory of AIDS aetiology. Root–Bernstein RS. **Res Immunol** 1990 Nov–Dec; 141(9):815–38 (166 ref.)
[Acquired immunodeficiency syndrome and surgery] Karavanov AG. **Klin Khir** 1991;(2):38–41 (63 ref.) **(Rus)**
[AIDS in children (clinico–morphological aspects)] Iakovtsova AF, et al. **Pediatriia** 1991;(2):100–4 (46 ref.) **(Rus)**
[Detection of HIV infection in mother and child. Criteria for suspicion] Echeverría Lecuona J, et al. **An Esp Pediatr** 1991 Feb;34(2):111–4 (25 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Evidence for HIV–1 infection in rabbits. A possible model for AIDS. Gordon MR, et al. **Ann N Y Acad Sci** 1990; 616:270–80 (25 ref.)
Fungal infections in HIV patients. Kirkpatrick CH. **Ann N Y Acad Sci** 1990;616:461–8 (33 ref.)
Peptides derived from the CDR3–homologous domain of the CD4 molecule are specific inhibitors of HIV–1 and SIV infection, virus–induced cell fusion, and postinfection viral transmission in vitro. Implications for the design of small peptide anti–HIV therapeutic agents. Rausch DM, et al. **Ann N Y Acad Sci** 1990;616:125–48 (79 ref.)
AIDS and autoimmunity. Malatzky–Goshen E, et al. **Autoimmunity** 1989;3(3):201–12 (101 ref.)
Gut immunology. MacDonald TT, et al. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):291–313 (86 ref.)
Immunology of the lung in HIV infection: the pathophysiologic basis for the development of tuberculosis in the AIDS setting. Rose RM. **Bull Int Union Tuberc Lung Dis** 1991 Mar;66(1):15–20 (31 ref.)
AIDS virus infection and autoimmunity: a perspective of the clinical, immunological, and molecular origins of the autoallergic pathologies associated with HIV disease. Morrow WJ, et al. **Clin Immunol Immunopathol** 1991 Feb; 58(2):163–80 (122 ref.)
Immunological dysregulation of lymph nodes in AIDS patients. Krueger GR, et al. **Curr Top Pathol** 1991;84 (Pt 2):157–88 (202 ref.)
AIDS immunology. HIV induced cellular immune deficiency. Hofmann B. **Dan Med Bull** 1991 Feb; 38(1):53–67 (186 ref.)
The immunopathogenesis of AIDS. Baker JR Jr, et al. **Dermatol Clin** 1991 Jul;9(3):403–13 (89 ref.)
Immunology of interstitial lung diseases: cellular events taking place in the lung of sarcoidosis, hypersensitivity pneumonitis and HIV infection. Semenzato G. **Eur Respir J** 1991 Jan;4(1):94–102 (42 ref.)
Genomic diversity and antigenic variation of HIV–1: links between pathogenesis, epidemiology and vaccine development. Goudsmit J, et al. **FASEB J** 1991 Jul; 5(10):2427–36 (53 ref.)
Conclusions: in pursuit of an AIDS virus vaccine. Hilleman MR. **Immunol Ser** 1989;44:605–20 (43 ref.)
AIDS pathogenesis: HIV envelope and its interaction with cell proteins. Habeshaw JA, et al. **Immunol Today** 1990 Nov;11(11):418–25 (63 ref.)
Animal models for AIDS. Letvin NL. **Immunol Today** 1990 Sep;11(9):322–6 (45 ref.)
The role of interferon and tumor necrosis factor in the pathogenesis of AIDS. Lau AS, et al. **J Exp Pathol** 1990; 5(3):111–22 (45 ref.)
Immunology of AIDS related to psoriasis. Duvic M. **J Invest Dermatol** 1990 Nov;95(5):38S–40S (24 ref.)
Opioid peptides, receptors, and immune function. Bhargava HN. **NIDA Res Monogr** 1990;96:220–33 (65 ref.)
Immune function in heroin addicts and former heroin addicts in treatment: pre– and post–AIDS epidemic. Kreek MJ. **NIDA Res Monogr** 1990;96:192–219 (71 ref.)
The potential role of vitamin E in the treatment of immunologic abnormalities during acquired immune deficiency syndrome. Odeleye OE, et al. **Prog Food Nutr Sci** 1991;15(1–2):1–19 (112 ref.)
Multiple–antigen–mediated autoimmunity (MAMA) in AIDS: a possible model for postinfectious autoimmune complications. Root–Bernstein RS. **Res Immunol** 1990 May–Jun;141(4–5):321–39 (88 ref.)
[Receptor of cells with infection of AIDS virus] Xu TG. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):29–33 (29 ref.) **(Chi)**
[Immunology and virology of HIV infection: current concepts in the pathogenesis of AIDS] Miedema F, et al. **Ned Tijdschr Geneeskd** 1990 Sep 8;134(36):1724–8 (36 ref.) **(Dut)**
[Different sensitivity to acid reaction of the AIDS virus and virus–producing cells: clinical conclusions] Ongrádi J, et al. **Orv Hetil** 1990 Sep 9;131(36):1959–64 (42 ref.) (Eng. Abstr.) **(Hun)**
[Bacterial pneumonia in patients with human immunodeficiency virus infection] Falcó Ferrer V, et al. **An Med Interna** 1990 Nov;7 Suppl 2:35–6 (12 ref.) **(Spa)**
[Immunopathology of AIDS: involvement of phagocytic cells in HIV infection] Estévez ME, et al. **Medicina (B Aires)** 1989;49(6):615–20 (53 ref.) **(Spa)**

METABOLISM

[Impaired production and reception of interleukin in human diseases] Cheredeev AN. **Lab Delo** 1990;(12):61–7 (30 ref.) **(Rus)**

MICROBIOLOGY

Biologic features of HIV–2. An update. Kanki PJ. **AIDS Clin Rev** 1991;:17–38 (86 ref.)
The clinical significance of HTLV–I and HTLV–II infection in the AIDS epidemic. Pierik LT, et al. **AIDS Clin Rev** 1991;:39–57 (97 ref.)
The biochemistry of AIDS. Vaishnav YN, et al. **Annu Rev Biochem** 1991;60:577–630 (393 ref.)
Nonhuman primate lentiviruses: models for human infection. Kodama T, et al. **Dev Biol Stand** 1990;72:267–71 (20 ref.)
AZT resistance in isolates of HIV. Richman DD. **Immunodefic Rev** 1991;2(4):315–8 (15 ref.)
Does HIV cause AIDS? An updated response to Duesberg's theories. Kurth R. **Intervirology** 1990;31(6):301–14 (64 ref.)
Immunosuppressive actions of retroviruses. Good RA, et al. **Lymphology** 1990 Jun;23(2):56–9 (28 ref.)
The first human retroviruses: are there others? Gallo RC, et al. **Microbiol Sci** 1985;2(4):97–8, 101–4 (66 ref.)
Biology of retroviruses. Detection, molecular biology, and treatment of retroviral infection. Wells KH, et al. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):489–521 (234 ref.)
Virus–host interactions in human immunodeficiency virus infection. Geelen JL, et al. **Prog Med Virol** 1991;38:27–41 (82 ref.)
Virologic and immunologic aspects of acquired immunodeficiency syndrome. Lane HC. **Surg Gynecol Obstet** 1990;171 Suppl:11–8 (15 ref.)
[AIDS: acquired immunodeficiency syndrome] Sener B, et al. **Mikrobiyol Bul** 1989 Oct;23(4):379–87 (14 ref.) (Eng. Abstr.) **(Tur)**

MORTALITY

The effect of treatment on survival in AIDS. Petty BG. **Trans Assoc Life Insur Med Dir Am** 1991;74:32–41 (18 ref.)

NURSING

Acquired immunodeficiency syndrome. Turner JG. **Annu Rev Nurs Res** 1990;8:195–210 (19 ref.)
Stigma, AIDS and quality of nursing care: state of the science. Siminoff LA, et al. **J Adv Nurs** 1991 Mar; 16(3):262–9 (70 ref.)

PATHOLOGY

Aids dementia complex. On the relationship between HIV–1 infection, immune–mediated response and myelin damage in the brain. Mastroianni CM, et al. **Acta Neurol (Napoli)** 1991 Apr;13(2):184–7 (19 ref.)
Predictors of HIV disease progression. Hessol NA, et al. **AIDS Clin Rev** 1990;:63–79 (73 ref.)
Natural history of human immunodeficiency virus infection and key predictors of HIV disease progression. Hessol NA, et al. **AIDS Clin Rev** 1989;:69–93 (139 ref.)
Lymph node pathology of acquired immunodeficiency syndrome (AIDS). Houn HY, et al. **Ann Clin Lab Sci** 1990 Sep–Oct;20(5):337–42 (28 ref.)

Classification of histopathological changes of lymph nodes in HIV-1 infection. Significance of Castleman's disease-like lymph node lesion concerning the diagnosis of HIV-1-related Kaposi's sarcoma. Racz P, et al. **Antibiot Chemother** 1991;43:201-13 (46 ref.)

Lymph node reaction patterns in patients with AIDS or AIDS-related complex. Diebold J, et al. **Curr Top Pathol** 1991;84 (Pt 2):189-221 (106 ref.)

Pathology of AIDS. Cohen MB, et al. **Immunol Ser** 1989; 44:305-22 (68 ref.)

Cell dysfunction and depletion in AIDS: the programmed cell death hypothesis. Ameisen JC, et al. **Immunol Today** 1991 Apr;12(4):102-5 (50 ref.)

Lymphatic tissue changes in AIDS and other retrovirus infections: tools and insights. Racz P, et al. **Lymphology** 1990 Jun;23(2):85-91 (35 ref.)

Lymph nodes in HIV-positive drug abusers with persistent generalized lymphadenopathy: histology, immunohistochemistry, and pathogenetic correlations. Baroni CD, et al. **Prog AIDS Pathol** 1990;2:33-50 (47 ref.)

AIDS and the heart. Meyer PR, et al. **Prog AIDS Pathol** 1989;1:213-8 (12 ref.)

Immunohistochemistry of human immunodeficiency virus in the central nervous system and an hypothesis concerning the pathogenesis of AIDS meningoencephalomyelitis. Rhodes RH, et al. **Prog AIDS Pathol** 1989;1:167-79 (69 ref.)

Lung biopsy interpretation in the acquired immunodeficiency syndrome: experience of the National Institutes of Health with literature review. Travis WD, et al. **Prog AIDS Pathol** 1989;1:51-84 (220 ref.)

[AIDS pathology: various critical considerations (especially regarding the brain, the heart, the lungs, the hypophysis and the adrenal glands] Giampalmo A, et al. **Pathologica** 1990 Nov-Dec;82(1082):663-77 (246 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Reactive oxygen species, antioxidants, and acquired immunodeficiency syndrome. Sense or speculation? Halliwell B, et al. **Arch Intern Med** 1991 Jan;151(1):29-31 (61 ref.)

AIDS: an overview. Gazzard B. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):259-89 (81 ref.)

HIV-1: the infective process in vivo. McCune JM. **Cell** 1991 Jan 25;64(2):351-63 (150 ref.)

The role of tumour necrosis factor-alpha in acquired immunodeficiency syndrome. Odeh M. **J Intern Med** 1990 Dec;228(6):549-56 (117 ref.)

Microglia in human disease, with an emphasis on acquired immune deficiency syndrome. Dickson DW, et al. **Lab Invest** 1991 Feb;64(2):135-56 (217 ref.)

AIDS. Natural history and prognosis. Viscarello RR. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):545-55 (40 ref.)

AIDS as a neuropeptide disorder: peptide T, VIP, and the HIV receptor. Pert CB, et al. **Psychopharmacol Bull** 1988; 24(3):315-9 (28 ref.)

Cytomegalovirus and its role in the pathogenesis of acquired immunodeficiency syndrome. Hirsch MS. **Transplant Proc** 1991 Jun;23(3 Suppl 3):118-21, discussion 121 (23 ref.)

PREVENTION & CONTROL

The formulation and implementation of a national policy on condoms in the context of HIV/AIDS--a review. Jayasuriya DC. **AIDS Care** 1991;3(1):3-9 (48 ref.)

The quest for an AIDS vaccine: the state of the art and current challenges. Kurth R, et al. **AIDS Res Hum Retroviruses** 1991 May;7(5):425-33 (26 ref.)

AIDS in the workplace: a summary of risks and responses. Lamm SH, et al. **Am Ind Hyg Assoc J** 1991 Feb; 52(2):A112-5 (14 ref.)

AIDS prevention: legislative options. Clark ME. **Am J Law Med** 1990;16(1-2):107-53 (295 ref.)

Testing for AIDS: uses and abuses. Field MA. **Am J Law Med** 1990;16(1-2):33-106 (383 ref.)

AIDS and drugs in Amsterdam: prevention measures. Buning E. **Antibiot Chemother** 1991;43:37-44 (8 ref.)

An international perspective on organizing people at risk for AIDS at the community level. Martin GS, et al. **Antibiot Chemother** 1991;43:257-63 (9 ref.)

The future impact of AIDS on society. Roscam Abbing EW. **Antibiot Chemother** 1991;43:264-71 (20 ref.)

The challenge of limiting the spread of human immunodeficiency virus by controlling other sexually transmitted diseases. Kirby PK, et al. **Arch Dermatol** 1991 Feb;127(2):237-42 (50 ref.)

Working with pregnant women at high risk for HIV infection: outreach and intervention. Weissman G. **Bull N Y Acad Med** 1991 May-Jun;67(3):291-300 (6 ref.)

Biological safety cabinetry. Kruse RH, et al. **Clin Microbiol Rev** 1991 Apr;4(2):207-41 (224 ref.)

Development of artificial vaccines against HIV using defined epitopes. Berzofsky JA. **FASEB J** 1991 Jul;5(10):2412-8 (85 ref.)

Prospects for an HIV-vaccine. Wigzell H. **FASEB J** 1991 Jul;5(10):2406-11 (39 ref.)

Health challenges for the year 2000: health promotion and AIDS. Erben R. **Health Educ Q** 1991 Spring;18(1):29-37 (22 ref.)

Compulsory treatment for drug abuse. Leukefeld CG, et al. **Int J Addict** 1990 Jun;25(6):621-40 (35 ref.)

Approaches and issues in the development of vaccines against HIV. Berzofsky JA. **J Acquir Immune Defic Syndr** 1991; 4(5):451-9 (91 ref.)

Methods to reduce intraoperative transmission of blood-borne disease. Hester RA, et al. **J Bone Joint Surg [Am]** 1991 Aug;73(7):1108-11 (47 ref.)

Women, HIV, and mucosal immunity [see comments] Forrest BD. **Lancet** 1991 Apr 6;337(8745):835-6 (24 ref.) Comment in: Lancet 1991 May 25;337(8752):1289.

Slowing the spread of human immunodeficiency virus in developing countries. Potts M, et al. **Lancet** 1991 Sep 7; 338(8767):608-13 (18 ref.)

HIV and childbearing. 2. AIDS and reproductive decisions: having children in fear and trembling. Arras JD. **Milbank Q** 1990;68(3):353-82 (37 ref.)

HIV and childbearing. 1. Uncertain risks and bitter realities: the reproductive choices of HIV-infected women. Levine C, et al. **Milbank Q** 1990;68(3):321-51 (57 ref.)

AIDS risk in the chronically mentally ill: clinical strategies for prevention. Brady SM, et al. **New Dir Ment Health Serv** 1990 Winter;(48):83-95 (31 ref.)

An immunopharmacological approach for prevention of retrovirus-associated disease in human pathology. D'Onofrio C, et al. **Pharmacol Res** 1990 Nov-Dec; 22(6):645-59 (36 ref.)

AIDS risk and prevention among adolescents. Boyer CB, et al. **Soc Sci Med** 1991;33(1):11-23 (135 ref.)

Assessing the risk of occupational acquisition of the human immunodeficiency virus: implications for hospital policy. Orient JM. **South Med J** 1990 Oct;83(10):1121-7 (45 ref.)

[Diverse strategies to attempt to prevent the spread of HIV infections] Charvet D. **Bull Acad Natl Med** 1990 Nov; 174(8):1199-204; discussion 1205-7 (11 ref.) (Eng. Abstr.) **(Fre)**

[AIDS: risk for tourists and assistants in developing countries?] Frei M, et al. **Ther Umsch** 1990 Oct; 47(10):819-26 (45 ref.) (Eng. Abstr.) **(Ger)**

[Hygienic basis of the prevention of AIDS (review of the literature)] Lalaiants IE, et al. **Gig Sanit** 1990 Dec;(12):72-6 (77 ref.) **(Rus)**

[Differentiated educational programs on AIDS prevention at the U.S. schools (review)] Sokhin AA. **Sov Zdravookhr** 1990;(10):58-64 (30 ref.) **(Rus)**

[Female sexuality before and after AIDS] Santos-Ortiz MC. **P R Health Sci J** 1990 Apr;9(1):33-5 (33 ref.) **(Spa)**

PSYCHOLOGY

Counselling for HIV infection and AIDS: the past and the future. Green J. **AIDS Care** 1989;1(1):5-10 (26 ref.)

Care of AIDS patients as a source of stress to nursing staff. Klonoff EA, et al. **AIDS Educ Prev** 1990 Winter; 2(4):338-48 (13 ref.)

The impact of AIDS on foster care: a family-centered approach to services in the United States. Taylor-Brown S. **Child Welfare** 1991 Mar-Apr;70(2):193-209 (42 ref.)

Deterring the progression of HIV infection. Goodkin K. **Compr Ther** 1990 Aug;16(8):17-23 (23 ref.)

AIDS, a social dilemma: detection of seropositives. Enel P, et al. **Eur J Epidemiol** 1991 Mar;7(2):139-46 (109 ref.)

Relationships with AIDS patients: clinical metaphors and preventive bioethics. Dozor RB, et al. **Fam Med** 1990 Nov-Dec;22(6):474-7 (27 ref.)

Experiencing multiple loss of persons with AIDS: grief and bereavement issues. Biller R, et al. **Health Soc Work** 1990 Nov;15(4):283-90 (16 ref.)

Attitudes towards homosexuality in American health care literature 1983-1987. Schwanberg SL. **J Homosex** 1990; 19(3):117-36 (80 ref.)

A critical review of human immunodeficiency virus infection--and acquired immunodeficiency syndrome-related research: the knowledge, attitudes, and practice of nurses. Swanson JM, et al. **J Prof Nurs** 1990 Nov-Dec;6(6):341-55 (48 ref.)

Psychosocial aspects of AIDS in children and adolescents [published erratum appears in Pediatr Clin North Am 1991 Jun;38(3):viii] Spiegel L, et al. **Pediatr Clin North Am** 1991 Feb;38(1):153-67 (50 ref.)

Methodological problems in AIDS behavioral research: influences on measurement error and participation bias in studies of sexual behavior. Catania JA, et al. **Psychol Bull** 1990 Nov;108(3):339-62 (120 ref.)

Psychiatric aspects of HIV-1 infection and AIDS. Maj M. **Psychol Med** 1990 Aug;20(3):547-63 (100 ref.)

Perspectives on infection with HIV-1 among intravenous drug users. Vlahov D, et al. **Psychopharmacol Bull** 1988; 24(3):325-9 (45 ref.)

Human immunodeficiency virus infection in children--prevalence and psychosocial impact. Friedman SY, et al. **S Afr Med J** 1990 Nov 3;78(9):528-32 (26 ref.)

Factious AIDS: a case presentation and review of the literature. Gockel KA, et al. **Wis Med J** 1990 Nov; 89(11):633-4 (11 ref.)

[Partnership networks and social organizations] Defert D. **Bull Acad Natl Med** 1990 Nov;174(8):1187-96; discussion 1196-7 (11 ref.) (Eng. Abstr.) **(Fre)**

[AIDS and psychiatry] Sever I, et al. **Harefuah** 1991 Feb 15;120(4):212-5 (21 ref.) **(Heb)**

[AIDS--psychiatric problems] Lutyńska E. **Psychiatr Pol** 1990 Mar-Apr;24(2):160-4 (14 ref.) **(Pol)**

RADIOGRAPHY

The chest film in the acquired immunodeficiency syndrome. Goodman PC. **Curr Opin Radiol** 1991 Jun;3(3):357-63 (33 ref.)

[Radiographic diagnosis of abdominal manifestations of AIDS] Aagesen HB, et al. **Ugeskr Laeger** 1990 Nov 12; 152(46):3444-6 (23 ref.) (Eng. Abstr.) **(Dan)**

REHABILITATION

Rehabilitation dimensions of AIDS: a review. Levinson SF, et al. **Arch Phys Med Rehabil** 1991 Aug;72(9):690-6 (94 ref.)

An ethical analysis of physical therapists' duty to treat persons who have AIDS: homosexual patients as a test case. Sim J, et al. **Phys Ther** 1991 Sep;71(9):650-5 (37 ref.)

THERAPY

Ethics and AIDS: a summary of the law and a critical analysis of the individual physician's ethical duty to treat. Tegtmeier JW. **Am J Law Med** 1990;16(1-2):249-65 (102 ref.)

Bioethics and public health in the 1980s: resource allocation and AIDS. Faden RR, et al. **Annu Rev Public Health** 1991; 12:335-60 (155 ref.)

New therapeutic approaches in the acquired immune deficiency syndrome. Clumeck N, et al. **Antibiot Chemother** 1991;43:235-56 (40 ref.)

Caring for medical students as patients. Lane LW, et al. **Arch Intern Med** 1990 Nov;150(11):2249-53 (52 ref.)

Use of intravenous immunoglobulin in acquired immune deficiency syndrome. Yap PL, et al. **Cancer** 1991 Sep 15; 68(6 Suppl):1440-50 (85 ref.)

The use of hematopoietic growth factors in HIV infection and AIDS-related malignancies. Miles SA. **Cancer Invest** 1991;9(2):229-38 (40 ref.)

New therapeutic strategies in the treatment of murine diseases induced by virus and solid tumors: biology and implications for the potential treatment of human leukemia, AIDS, and solid tumors. Shen RN, et al. **Crit Rev Oncol Hematol** 1990; 10(3):253-65 (166 ref.)

The history of interferon and its use in animal therapy. Young AS, et al. **East Afr Med J** 1990 Jul;67(7 Suppl 2):SS31-63 (190 ref.)

Management of AIDS and its neoplastic complications. Errante D, et al. **Eur J Cancer** 1991;27(3):380-9 (101 ref.)

AIDS babies, crack babies: challenges to the law. Bopp J Jr, et al. **Issues Law Med** 1991 Summer;7(1):3-51 (382 ref.)

Immunotoxins: new therapeutic reagents for autoimmunity, cancer, and AIDS. Vitetta ES. **J Clin Immunol** 1990 Nov; 10(6 Suppl):15S-18S (42 ref.)

Office management of patients infected with the human immunodeficiency virus (HIV)--1990. Westerman EL, et al. **J Okla State Med Assoc** 1990 Nov;83(11):535-40 (11 ref.)

Biologic and immunomodulating factors in the treatment of pediatric acquired immunodeficiency syndrome. Ammann AJ. **Pediatr Infect Dis J** 1990 Dec;9(12):894-904 (42 ref.)

Survival modes for people with AIDS in groups. Getzel GS. **Soc Work** 1991 Jan;36(1):7-11 (14 ref.)

Nutritional support of patients with AIDS. Hickey MS. **Surg Clin North Am** 1991 Jun;71(3):645-64 (130 ref.)

Immunotherapy of human immunodeficiency virus infection. Hadden JW. **Trends Pharmacol Sci** 1991 Mar;12(3):107-11 (31 ref.)

[Colony stimulating factor (CSF)--various aspects of its therapeutic use] Zduńczyk A. **Pol Arch Med Wewn** 1990 Jul;84(1):44-53 (36 ref.) **(Pol)**

[Protocols in acquired immunodeficiency] García Martín F, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 38:179-84 (15 ref.) **(Spa)**

TRANSMISSION

Occupational transmission of HIV: the ethics of physician risk and responsibility. Cooke M. **AIDS Clin Rev** 1990;:1-10 (20 ref.)

Race/gender issues in the sexual transmission of AIDS. Fullilove MT, et al. **AIDS Clin Rev** 1990;:25-62 (207 ref.)

Occupational HIV infection: risk assessment. Gerberding JL. **AIDS Clin Rev** 1989;:19-27 (15 ref.)

AIDS and heterosexual anal intercourse. Voeller B. **Arch Sex Behav** 1991 Jun;20(3):233-76 (231 ref.)

AIDS: practising safe endoscopy. Hanson PJ. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):477-94 (82 ref.)

Human immunodeficiency virus type 2 (HIV2). Hughes A, et al. **Blood Rev** 1990 Sep;4(3):158-64 (74 ref.)

The level of risk of transmission of human immunodeficiency virus between patients and dental staff [see comments] Scully C, et al. **Br Dent J** 1991 Feb 9;170(3):97-100 (82 ref.) Comment in: Br Dent J 1991 Apr 6;170(7):254.

Transmission of hepatitis and AIDS: risks for the anaesthetist and the patient. Trépanier CA. **Can J Anaesth** 1991 May; 38(4 Pt 2):R98-104 (32 ref.) **(Eng, Fre)**

Human immunodeficiency virus and the acquired immunodeficiency syndrome. Gall SA. **Curr Opin Obstet Gynecol** 1989 Oct;1(1):11-7 (16 ref.)

Recent developments in sexually transmitted diseases: is heterosexual transmission of human immunodeficiency virus a major epidemiologic factor in the spread of acquired immunodeficiency syndrome? III: AIDS in Sub-Saharan Africa. Felman YM. **Cutis** 1990 Sep;46(3):204-6 (32 ref.)

Mother-to-child transmission of human immunodeficiency

virus. Rossi P, et al. **FASEB J** 1991 Jul;5(10):2419–26 (66 ref.)
AIDS in transfusion recipients. Perkins HA. **Immunol Ser** 1989;44:97–114 (35 ref.)
A surgeon's risk of AIDS. Schiff SJ. **J Neurosurg** 1990 Nov; 73(5):651–60 (64 ref.)
The many faces of AIDS: opportunities for intervention. Bing EG, et al. **New Dir Ment Health Serv** 1990 Winter; (48):69–82 (58 ref.)
Drug abuse and AIDS: causes for the connection. Donahoe RM. **NIDA Res Monogr** 1990;96:181–91 (28 ref.)
AIDS in the transfusion recipient. Hilgartner M. **Pediatr Clin North Am** 1991 Feb;38(1):121–31 (30 ref.)
Transfusion and coagulation factor–acquired human immunodeficiency virus infection. Eyster ME. **Pediatr Infect Dis J** 1991 Jan;10(1):50–6 (63 ref.)
Perinatally acquired human immunodeficiency virus infection. Oxtoby MJ. **Pediatr Infect Dis J** 1990 Sep; 9(9):609–19 (78 ref.)
Pediatric acquired immunodeficiency virus syndrome. Yogev R. **Pediatr Infect Dis J** 1990 Oct;9(10):767–8 (4 ref.)
HIV infection in healthcare workers. How great is the risk? What can be done before and after exposure? Henry K, et al. **Postgrad Med** 1991 Feb 15;89(3):30–8 (45 ref.)
Let's look at human immunodeficiency virus look–back before leaping into hepatitis C virus look–back. Busch MP. **Transfusion** 1991 Sep;31(7):655–61 (29 ref.)
[The risk of acquiring the human immunodeficiency virus for health care personnel] Legrand JC, et al. **Rev Med Brux** 1991 Apr;12(4):127–34 (25 ref.) (Eng. Abstr.) **(Fre)**
[The usefulness of HIV serology in the follow up of vertical transmission of AIDS] Tuset Ruiz C, et al. **An Esp Pediatr** 1990 Nov;33(5):424–8 (21 ref.) (Eng. Abstr.) **(Spa)**

ACREMONIUM

GENETICS

Potential industrial use of cephalosporin biosynthetic enzymes and genes. An overview. Yeh WK, et al. **Ann N Y Acad Sci** 1990;613:128–41 (39 ref.)

ACRIDINES

PHARMACOLOGY

Frameshift mutagenesis by acridines and other reversibly–binding DNA ligands. Ferguson LR, et al. **Mutagenesis** 1990 Nov;5(6):529–40 (94 ref.)

TOXICITY

The genetic toxicology of acridines. Ferguson LR, et al. **Mutat Res** 1991 Sep;258(2):123–60 (178 ref.)

ACRO–OSTEOLYSIS SYNDROMES see **OSTEOLYSIS, ESSENTIAL**

ACROCEPHALOSYNDACTYLIA

COMPLICATIONS

Dental, orthodontic, and oral/maxillofacial evaluation and treatment in Apert syndrome. Ferraro NF. **Clin Plast Surg** 1991 Apr;18(2):291–307 (84 ref.)
Apert syndrome. Diagnosis and treatment of craniostenosis and intracranial anomalies. Humphreys RP. **Clin Plast Surg** 1991 Apr;18(2):231–5 (16 ref.)

DIAGNOSIS

Clinical assessment and multispecialty management of Apert syndrome. Kaplan LC. **Clin Plast Surg** 1991 Apr; 18(2):217–25 (83 ref.)

PATHOLOGY

Anatomy and management of the leg and foot in Apert syndrome. Grayhack JJ, et al. **Clin Plast Surg** 1991 Apr; 18(2):399–405 (9 ref.)
The craniofacial anatomy of Apert syndrome. Marsh JL, et al. **Clin Plast Surg** 1991 Apr;18(2):237–49 (20 ref.)

PSYCHOLOGY

Children with Apert syndrome: developmental and psychologic considerations. Campis LB. **Clin Plast Surg** 1991 Apr;18(2):409–16 (23 ref.)

SURGERY

Surgical correction of the craniofacial dysmorphology of Apert syndrome. Marsh JL, et al. **Clin Plast Surg** 1991 Apr;18(2):251–75 (100 ref.)
Surgical correction of the craniofacial anomalies in Apert syndrome. Mulliken JB, et al. **Clin Plast Surg** 1991 Apr; 18(2):277–89 (46 ref.)
Apert syndrome. Anesthetic management. Nargozian C. **Clin Plast Surg** 1991 Apr;18(2):227–30 (34 ref.)
Foot deformities in Apert's syndrome. Review of the literature and case reports. Mason WH, et al. **J Am Podiatr Med Assoc** 1990 Oct;80(10):540–4 (12 ref.)

ACROCEPHALY see **CRANIOSYNOSTOSES**

ACRODERMATITIS

[Vascular acrosyndromes] Priollet P, et al. **Agressologie** 1990 Apr;31(4):212–8 (14 ref.) **(Fre)**

ETIOLOGY

[Acrodermatitis enteropathica; a literature review] van Wouwe JP, et al. **Ned Tijdschr Geneeskd** 1991 Jan 5; 135(1):21–3 (20 ref.) (Eng. Abstr.) **(Dut)**
[Early acroparesthesia in females: a sign disclosing heterozygote Fabry disease] Larrégue M, et al. **Ann Dermatol Venereol** 1991;118(3):191–7 (40 ref.) (Eng. Abstr.) **(Fre)**
[Psoriatic acropachydermy] Marguery MC, et al. **Ann Dermatol Venereol** 1991;118(5):373–6 (16 ref.) (Eng. Abstr.) **(Fre)**
[Pseudo–Kaposi syndromes of vascular origin] Lemarchand–Venencie F, et al. **J Mal Vasc** 1991; 16(2):153–7 (15 ref.) (Eng. Abstr.) **(Fre)**

ACRODYNIA

CHEMICALLY INDUCED

[Feer's disease] von Mühlendahl KE. **Monatsschr Kinderheilkd** 1991 Apr;139(4):224–7 (11 ref.) (Eng. Abstr.) **(Ger)**

ACROMEGALY

Growth hormone excess and galactorrhoea without acromegalic features. Case reports. Pestell R, et al. **Br J Obstet Gynaecol** 1991 Jan;98(1):92–7 (14 ref.)

COMPLICATIONS

Clinical review 18: Are patients with acromegaly at increased risk for neoplasia? Ezzat S, et al. **J Clin Endocrinol Metab** 1991 Feb;72(2):245–9 (22 ref.)
Polyostotic fibrous dysplasia and acromegaly. Kupcha PC, et al. **J Pediatr Orthop** 1991 Jan–Feb;11(1):95–9 (18 ref.)
[Osteoarticular manifestations of acromegaly: association with articular chondrocalcinosis] Le Devic P, et al. **Rev Rhum Mal Osteoartic** 1991 Feb;58(2):125–7 (13 ref.) **(Fre)**

DRUG THERAPY

[Treatment of acromegaly with octreotide, a synthetic analog of somatostatin with extended action] Arosio M, et al. **Minerva Endocrinol** 1990 Jan–Mar;15(1):29–36 (27 ref.) (Eng. Abstr.) **(Ita)**
[Medical treatment of acromegaly with dopaminergic agents] Liuzzi A, et al. **Minerva Endocrinol** 1990 Jan–Mar; 15(1):23–7 (22 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Mixed pituitary adenoma and gangliocytoma associated with acromegaly—case report. Asada H, et al. **Neurol Med Chir (Tokyo)** 1990 Aug;30(8):628–32 (23 ref.)
[Acromegaly] Kröhne HJ, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):131–4 (14 ref.) **(Ger)**

PHYSIOPATHOLOGY

Is the endogenous digitalis–like factor the link between hypertension and metabolic disorders as diabetes mellitus, obesity and acromegaly? Clerico A, et al. **Clin Physiol Biochem** 1990;8(3):153–68 (115 ref.)

THERAPY

Clinical review 22: Therapeutic options in acromegaly. Frohman LA. **J Clin Endocrinol Metab** 1991 Jun; 72(6):1175–81 (34 ref.)
[The therapy of acromegaly] Rau H, et al. **Dtsch Med Wochenschr** 1991 Jun 21;116(25):983–5 (20 ref.) **(Ger)**

ACROMIOCLAVICULAR JOINT

[MRI in subacromial pathology. Report of 20 cases] Poey C, et al. **J Radiol** 1990 Aug–Sep;71(8–9):457–66 (19 ref.) (Eng. Abstr.) **(Fre)**

INJURIES

[Injury of the rotator cuff. II. Diagnostic and therapeutic problems] Sánta S, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1990; 33(3):183–90 (30 ref.) (Eng. Abstr.) **(Hun)**

ACROSOME

PHYSIOLOGY

Phosphoinositides and their products in the mammalian sperm acrosome reaction. Harrison RA, et al. **J Reprod Fertil Suppl** 1990;42:51–67 (93 ref.)
Egg signals for triggering the acrosome reaction in starfish spermatozoa. Hoshi M, et al. **J Reprod Fertil Suppl** 1990; 42:23–31 (21 ref.)
[Several new concepts on the terminal mechanism of mammal fertilization] Reyes A, et al. **Ginecol Obstet Mex** 1990 Oct; 58:292–9 (40 ref.) (Eng. Abstr.) **(Spa)**

ACRYLAMIDES

ADVERSE EFFECTS

[Biological effects of exposure to acrylamide] Dobrzyńska MM, et al. **Rocz Panstw Zakl Hig** 1990;41(5–6):209–15 (43 ref.) (Eng. Abstr.) **(Pol)**

TOXICITY

Neurotoxic acrylamide and neurotrophic melanocortin peptides—can contrasting actions provide clues about modes of action? Edwards PM, et al. **Neuropathol Appl Neurobiol** 1991 Apr;17(2):91–104 (66 ref.)
[Toxic properties of acrylamide (review of the literature)] Sheftel' VO. **Gig Sanit** 1990 Aug;(8):48–50 (31 ref.) **(Rus)**

ACRYLIC RESINS

see related
DENTAL MATERIALS
Lowicryl resins in microbiology. Carlemalm E. **J Struct Biol** 1990 Jul–Sep;104(1–3):189–91 (26 ref.)

TOXICITY

Toxicity of polyacrylamide and acrylamide monomer. King DJ, et al. **Rev Environ Health** 1989 Jan–Dec;8(1–4):3–16 (44 ref.)

ACTH see **ADRENOCORTICOTROPIC HORMONE**

ACTH–RELEASING FACTOR see **CORTICOTROPIN–RELEASING HORMONE**

ACTH SYNDROME, ECTOPIC

Ectopic ACTH secretion. A misnomer. Odell WD. **Endocrinol Metab Clin North Am** 1991 Jun;20(2):371–9 (30 ref.)

ETIOLOGY

Diagnosis of corticotropin–producing bronchial carcinoid tumors causing Cushing's syndrome [see comments] Leinung MC, et al. **Mayo Clin Proc** 1990 Oct; 65(10):1314–21 (39 ref.) Comment in: Mayo Clin Proc 1990 Oct;65(10):1377–80.

ACTIN–BINDING PROTEINS see **MICROFILAMENT PROTEINS**

ACTINIC RAYS see **ULTRAVIOLET RAYS**

ACTINIDES see **METALS, ACTINIDE**

ACTININ

CHEMISTRY

Modular organization of actin crosslinking proteins. Matsudaira P. **Trends Biochem Sci** 1991 Mar;16(3):87–92 (26 ref.)

METABOLISM

Molecular biology of actin binding proteins: evidence for a common structural domain in the F–actin binding sites of gelsolin and alpha–actinin. Way M, et al. **J Cell Sci Suppl** 1991;14:91–4 (28 ref.)

PHYSIOLOGY

Actin–membrane interaction in focal adhesions. Burridge K, et al. **Cell Differ Dev** 1990 Dec 2;32(3):337–42 (35 ref.)

ACTINOBACILLUS

ISOLATION & PURIFICATION

[Subacute endocarditis on a prosthetic valve due to Actinobacillus actinomycetemcomitans. A new classic] Deleixhe M, et al. **Rev Med Liege** 1991 Mar;46(3):123–30 (21 ref.) **(Fre)**

ACTINOBACILLUS INFECTIONS

[Endocarditis caused by Actinobacillus actinomycetemcomitans on a prosthetic valve (letter)] Rojo P, et al. **Enferm Infecc Microbiol Clin** 1990 Mar;8(3):191–2 (13 ref.) **(Spa)**

MICROBIOLOGY

[Subacute endocarditis on a prosthetic valve due to Actinobacillus actinomycetemcomitans. A new classic] Deleixhe M, et al. **Rev Med Liege** 1991 Mar;46(3):123–30 (21 ref.) **(Fre)**

ACTINOMYCES ASTEROIDES see **NOCARDIA ASTEROIDES**

ACTINOMYCETALES

GROWTH & DEVELOPMENT

Growth mechanisms and growth kinetics of filamentous microorganisms. Prosser JI, et al. **Crit Rev Biotechnol** 1991; 10(4):253–74 (158 ref.)

ACTINOMYCETALES INFECTIONS

COMPLICATIONS

Rhodococcus equi infection in the patient with AIDS: literature review and report of an unusual case. Emmons W, et al. **Rev Infect Dis** 1991 Jan–Feb;13(1):91–6 (37 ref.)
Rhodococcus equi infection in patients with and without human immunodeficiency virus infection. Harvey RL, et al. **Rev Infect Dis** 1991 Jan–Feb;13(1):139–45 (36 ref.)
Rhodococcus equi—an easily missed opportunistic pathogen. Doig C, et al. **Scand J Infect Dis** 1991;23(1):1–6 (25 ref.)

ETIOLOGY

Oerskovia xanthineolytica implicated in peritonitis associated with peritoneal dialysis: case report and review of Oerskovia infections in humans. Rihs JD, et al. **J Clin Microbiol** 1990 Sep;28(9):1934–7 (12 ref.)

MICROBIOLOGY

Rhodococcus equi: an animal and human pathogen. Prescott JF. **Clin Microbiol Rev** 1991 Jan;4(1):20–34 (199 ref.)

ACTINOMYCETE INFECTIONS see **ACTINOMYCETALES INFECTIONS**

ACTINOMYCIN D see **DACTINOMYCIN**

ACTINOMYCOSIS

Pericardial actinomycosis: case report and review. Fife TD, et al. **Rev Infect Dis** 1991 Jan–Feb;13(1):120–6 (46 ref.)

COMPLICATIONS

[Isolated pleural actinomycosis. Apropos of 2 cases] Touboul JL, et al. **Rev Pneumol Clin** 1990;46(2):69–72 (18 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Diagnostic methods for human actinomycosis. Holmberg K. **Microbiol Sci** 1987 Mar;4(3):72–8 (31 ref.)

ETIOLOGY

[Thoracic actinomycosis. Report of 8 cases] Patey O, et al. **Rev Pneumol Clin** 1990;46(3):91–7 (35 ref.) (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

[Inflammation of the small pelvis caused by Actinomycosis infection] Koltai M, et al. **Orv Hetil** 1991 Feb 3; 132(5):227–31 (30 ref.) (Eng. Abstr.) **(Hun)**

PATHOLOGY

Actinomycosis of the larynx. Tsuji DH, et al. **Auris Nasus Larynx** 1991;18(1):79–85 (14 ref.)
[Actinomycosis of the liver] Simitchiev S, et al. **Vutr Boles** 1990;29(6):87–90 (14 ref.) (Eng. Abstr.) **(Bul)**

ACTINOMYCOSIS, CERVICOFACIAL

DIAGNOSIS

[Cervical actinomycosis starting as a monoparesis of the upper left extremity] Stiefel P, et al. **Rev Clin Esp** 1990 Nov;187(7):343–5 (23 ref.) (Eng. Abstr.) **(Spa)**

ACTINON see **RADON**

ACTINOTHERAPY see **ULTRAVIOLET THERAPY**

ACTINS

CHEMISTRY

Modular organization of actin crosslinking proteins. Matsudaira P. **Trends Biochem Sci** 1991 Mar;16(3):87–92 (26 ref.)

GENETICS

Expression of a human multidrug-resistance cDNA (MDR1) under the control of a beta-actin promoter in transgenic mice. Galski H, et al. **Biotechnology** 1991;16:103–24 (38 ref.)
Application of germline transformation to the study of myogenesis. Shani M. **Biotechnology** 1991;16:55–64 (31 ref.)
Divergence and differential expression of actin gene families in higher plants. Meagher RB. **Int Rev Cytol** 1991; 125:139–63 (95 ref.)

METABOLISM

Actin polymerization and ATP hydrolysis. Carlier MF. **Adv Biophys** 1990;26:51–73 (107 ref.)
Regulation of ATP hydrolysis by caldesmon. A novel change in the interaction of myosin with actin. Chalovich JM, et al. **Ann N Y Acad Sci** 1990;599:85–99 (74 ref.)
The dynamics of actin and myosin association and the crossbridge model of muscle contraction. Geeves MA. **Biochem J** 1991 Feb 15;274 (Pt 1):1–14 (131 ref.)
Characterization of the nucleotide-modulated interaction of myth actin by n.m.r. spectroscopy. Levine BA, et al. **Biochem Soc Trans** 1991 Apr;19(2):423–5 (9 ref.)
Structure and evolution of the actin crosslinking proteins. Dubreuil RR. **Bioessays** 1991 May;13(5):219–26 (68 ref.)
From the structure to the function of villin, an actin-binding protein of the brush border. Friederich E, et al. **Bioessays** 1990 Sep;12(9):403–8 (32 ref.)
Actin-associated proteins in Dictyostelium discoideum. Luna EJ, et al. **Dev Genet** 1990;11(5–6):328–32 (73 ref.)
Actin: protein structure and filament dynamics. Carlier MF. **J Biol Chem** 1991 Jan 5;266(1):1–4 (68 ref.)
Regulation of the interaction between smooth muscle myosin and actin. Trybus KM, et al. **J Cell Sci Suppl** 1991;14:87–9 (12 ref.)
Molecular biology of actin binding proteins: evidence for a common structural domain in the F-actin binding sites of gelsolin and alpha-actinin. Way M, et al. **J Cell Sci Suppl** 1991;14:91–4 (28 ref.)
Chemoattractant stimulation of polymorphonuclear leucocyte locomotion. Cassimeris L, et al. **Semin Cell Biol** 1990 Apr;1(2):125–34 (73 ref.)
[ADP ribosylation of actin—a cytotoxic principle of bacterial toxins] Just I, et al. **Immun Infekt** 1991 Feb;19(1):18–21 (69 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

The role of actin polymerization in cell motility. Cooper JA. **Annu Rev Physiol** 1991;53:585–605 (113 ref.)
Genetic alteration of proteins in actin-based motility systems. Gerisch G, et al. **Annu Rev Physiol** 1991;53:607–28 (78 ref.)
Actin in the Drosophila embryo: is there a relationship to developmental cue localization? Bearer EL. **Bioessays** 1991 Apr;13(4):199–204 (62 ref.)
Actin filaments and photoreceptor membrane turnover. Williams DS. **Bioessays** 1991 Apr;13(4):171–8 (39 ref.)
Profilin, a weak CAP for actin and RAS. Goldschmidt-Clermont PJ, et al. **Cell** 1991 Aug 9; 66(3):419–21 (23 ref.)
Actin-membrane interaction in focal adhesions. Burridge K, et al. **Cell Differ Dev** 1990 Dec 2;32(3):337–42 (35 ref.)
Cell locomotion: new research tests old ideas on membrane and cytoskeletal flow. Heath JP, et al. **Cell Motil Cytoskeleton** 1991;18(4):245–57 (106 ref.)
Reconstitution of active movement in vitro based on the actin-myosin interaction. Higashi-Fujime S. **Int Rev Cytol** 1991;125:95–138 (174 ref.)
Direction and speed of actin filaments moving along thick filaments isolated from molluscan smooth muscle. Yamada A, et al. **J Biochem (Tokyo)** 1990 Sep;108(3):341–3 (25 ref.)
The influence of pressure on actin and myosin interactions in solution and in single muscle fibres. Geeves MA. **J Cell Sci Suppl** 1991;14:31–5 (26 ref.)
The actin membrane skeleton in Drosophila development. Kiehart DP. **Semin Cell Biol** 1990 Oct;1(5):325–39 (120 ref.)
[Myosin head as the site of force generation?] Stępkowski D, et al. **Postepy Biochem** 1989;35(4):585–9 (16 ref.) **(Pol)**

ULTRASTRUCTURE

The actin cytoskeleton. Small JV. **Electron Microsc Rev** 1988; 1(1):155–74 (100 ref.)

ACTION POTENTIALS

Electrophysiological basis of ventricular late potentials. el-Sherif N, et al. **PACE** 1990 Dec;13(12 Pt 2):2140–7 (20 ref.)
Monophasic action potentials and the detection and significance of mechanoelectric feedback in vivo. Lab MJ. **Prog Cardiovasc Dis** 1991 Jul–Aug;34(1):29–35 (56 ref.)

PHYSIOLOGY

Models and analysis of compound nerve action potentials. Schoonhoven R, et al. **Crit Rev Biomed Eng** 1991; 19(1):47–111 (202 ref.)
The action potential: an effect of fuel cell reactions in the synapse. Nordenström BE. **Physiol Chem Phys Med NMR** 1989;21(4):265–78 (62 ref.)
Method and theory of monophasic action potential recording. Franz MR. **Prog Cardiovasc Dis** 1991 May–Jun; 33(6):347–68 (70 ref.)
Human ventricular repolarization and T wave genesis. Franz MR, et al. **Prog Cardiovasc Dis** 1991 May–Jun;33(6):369–84 (99 ref.)
In vivo electrophysiological detection of myocardial ischemia through monophasic action potential recording. Mohabir R, et al. **Prog Cardiovasc Dis** 1991 Jul–Aug;34(1):15–28 (46 ref.)
Monophasic action potential recordings: evaluation of antiarrhythmic drugs. O'Donoghue S, et al. **Prog Cardiovasc Dis** 1991 Jul–Aug;34(1):1–14 (58 ref.)
Monophasic action potentials in the diagnosis of triggered arrhythmias. Zipes DP. **Prog Cardiovasc Dis** 1991 May–Jun;33(6):385–96 (55 ref.)
Plateau potentials and active integration in the 'final common pathway' for motor behaviour. Kiehn O. **Trends Neurosci** 1991 Feb;14(2):68–73 (49 ref.)
[Stable peaks and far field potentials] Oliván J. **Arch Neurobiol (Madr)** 1990 Jul–Aug;53(4):149–50 (5 ref.) **(Spa)**

ACTIVATOR APPLIANCES

Vertical skeletal change associated with Andresen, Harvold, and Begg treatment. Ball JV, et al. **Eur J Orthod** 1991 Feb;13(1):47–52 (26 ref.)
Is it possible to modulate the growth of the human mandible with a functional appliance? Petrovic A, et al. **Int J Orthod** 1991 Spring–Summer;29(1–2):3–8 (23 ref.)

ACTIVE SITE see **BINDING SITES**

ACTIVE TRANSPORT see **BIOLOGICAL TRANSPORT, ACTIVE**

ACTIVITIES OF DAILY LIVING

Physical activity from rehabilitation to independent community function: the role of physical activity in handicapping conditions. Stein JU. **Clin Sports Med** 1991 Jan;10(1):211–21 (28 ref.)
The natural history of functional morbidity in hospitalized older patients. Hirsch CH, et al. **J Am Geriatr Soc** 1990 Dec;38(12):1296–303 (15 ref.)
Living arrangements and sources of caregiving. Chappell NL. **J Gerontol** 1991 Jan;46(1):S1–8 (33 ref.)
The impact of elder health, caregiver involvement, and global stress on two dimensions of caregiver burden. Miller B, et al. **J Gerontol** 1991 Jan;46(1):S9–19 (41 ref.)
Bilateral lower limb amputee rehabilitation. A retrospective review. Torres MM, et al. **West J Med** 1991 May; 154(5):583–6 (18 ref.)
Long-term follow-up of bone marrow transplant patients. McGarigle CJ. **Yale J Biol Med** 1990 Sep–Oct;63(5):503–8 (10 ref.)

PSYCHOLOGY

Aging and performance of home tasks. Lawton MP. **Hum Factors** 1990 Oct;32(5):527–36 (20 ref.)
Influence of experience on age differences in cognitive functioning. Salthouse TA. **Hum Factors** 1990 Oct; 32(5):551–69 (80 ref.)
Human factors and aging: an overview of research needs and application opportunities. Smith DB. **Hum Factors** 1990 Oct;32(5):509–26 (140 ref.)
Objective and subjective dimensions of family burden. Towards an integrative framework for research. Schene AH. **Soc Psychiatry Psychiatr Epidemiol** 1990 Nov; 25(6):289–97 (59 ref.)

ACTIVITY CYCLES

Computer model for mechanisms underlying ultradian oscillations of insulin and glucose. Sturis J, et al. **Am J Physiol** 1991 May;260(5 Pt 1):E801–9 (38 ref.)

PHYSIOLOGY

Meaning of the basic rest-activity cycle for psychohygiene. Kokoszka A. **Prog Clin Biol Res** 1990;341B:45–55 (33 ref.)

ACTOMYOSIN

METABOLISM

Caldesmon, a novel regulatory protein in smooth muscle and nonmuscle actomyosin systems. Sobue K, et al. **J Biol Chem** 1991 Jul 5;266(19):12115–8 (89 ref.)

PHYSIOLOGY

Loose coupling between chemical and mechanical reactions in actomyosin energy transduction. Yanagida T. **Adv Biophys** 1990;26:75–95 (29 ref.)
Information aspects of actomyosin complex. Matsuno K, et al. **Crit Rev Biomed Eng** 1991;18(5):311–22 (61 ref.)

ACTOMYOSIN ADENOSINE TRIPHOSPHATASE see **ADENOSINE TRIPHOSPHATASE, MYOSIN**

ACTOMYOSIN ATPASE see **ADENOSINE TRIPHOSPHATASE, MYOSIN**

ACUPOINTS see **ACUPUNCTURE POINTS**

ACUPUNCTURE ANALGESIA

[The role of negative feedback modulating pain of nucleus raphe magnus in electroacupuncture analgesia] Liu X. **Chen Tzu Yen Chiu** 1990;15(3):159–66 (39 ref.) (Eng. Abstr.) **(Chi)**
[Acupuncture analgesia. Neurochemical and neurophysiologic aspects] a Rogvi-Hansen B, et al. **Ugeskr Laeger** 1990 Dec 3;152(49):3684–7 (30 ref.) (Eng. Abstr.) **(Dan)**

METHODS

[Hypothetical aspects of the preventive effectiveness of controlled reflex and stimulation therapy (exemplified by acupuncture and PuTENS) in migraine] Heydenreich A. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Aug; 42(8):500–7 (32 ref.) (Eng. Abstr.) **(Ger)**

ACUPUNCTURE POINTS

Clinical uses of P6 acupuncture antiemesis. Dundee JW, et al. **Acupunct Electrother Res** 1990;15(3–4):211–5 (10 ref.)

[The hypothesis of acupuncture points as polymodal receptors of the ecoceptive sensitivity system] Limanskii IuP. **Fiziol Zh** 1990 Jul–Aug;36(4):115–21 (22 ref.) (Eng. Abstr.) **(Rus)**

ACUPUNCTURE THERAPY

Positive evidence for P6 acupuncture antiemesis. Dundee JW, et al. **Postgrad Med J** 1991 May;67(787):417–22 (53 ref.)

STANDARDS

Clinical uses of P6 acupuncture antiemesis. Dundee JW, et al. **Acupunct Electrother Res** 1990;15(3–4):211–5 (10 ref.)

ACUTE DISEASE

Pharmacokinetics in acute illness. Jellett LB, et al. **Med J Aust** 1990 Nov 5;153(9):534–41 (80 ref.)

Assessment of patient laboratory data in the acutely ill. Kee JL, et al. **Nurs Clin North Am** 1990 Dec;25(4):751–9 (11 ref.)

THERAPY

[Current aspects in the diagnosis of pulmonary infections in intensive care patients] Speich R, et al. **Schweiz Med Wochenschr** 1990 Nov 10;120(45):1663–71 (98 ref.) (Eng. Abstr.) **(Ger)**

ACUTE PHASE PROTEINS

ANALYSIS

Acute phase reactant proteins. Cooper EH. **Immunol Ser** 1990;53:521–36 (72 ref.)

Application of acute phase reactants during antemortem and postmortem meat inspection. Saini PK, et al. **J Am Vet Med Assoc** 1991 Jun 1;198(11):1898–901 (48 ref.)

ANTAGONISTS & INHIBITORS

[Therapy of obstructive respiratory tract diseases. V: Mediator antagonists] Ukena D, et al. **Med Klin** 1990 Aug 15;85(8):499–503 (77 ref.) **(Ger)**

BIOSYNTHESIS

Lymphokines and the acute-phase response in clinical bone marrow transplantation. Cohen J, et al. **Eur Cytokine Netw** 1990 Oct–Nov;1(4):251–5 (20 ref.)

The acute phase protein response during parasitic infection. Stadnyk A, et al. **Immunol Today** 1991 Mar;12(3):A7–12 (57 ref.)

IMMUNOLOGY

[Acute phase proteins as diagnostic aid in veterinary medicine] Alsemgeest SP, et al. **Tijdschr Diergeneeskd** 1990 Oct 15;115(20):939–47 (67 ref.) (Eng. Abstr.) **(Dut)**

PHYSIOLOGY

Properties of four acute phase proteins: C-reactive protein, serum amyloid A protein, alpha 1-acid glycoprotein, and fibrinogen. Schultz DR, et al. **Semin Arthritis Rheum** 1990 Dec;20(3):129–47 (173 ref.)

ACUTE PHASE REACTANTS see **ACUTE PHASE PROTEINS**

ACUTE PHASE REACTION

METABOLISM

Influence of febrile disease on the pharmacokinetics of veterinary drugs. van Miert A. **Ann Rech Vet** 1990;21 Suppl 1:11S–28S (127 ref.)

Transcriptional regulation of hepatic angiotensinogen gene expression by the acute-phase response. Ron D, et al. **Mol Cell Endocrinol** 1990 Dec 21;74(3):C97–104 (34 ref.)

PHYSIOPATHOLOGY

The role of eicosanoids in the acute phase response [see comments] Brouwer A, et al. **J Hepatol** 1990 Nov; 11(3):283–6 (19 ref.) Comment in: J Hepatol 1991 Mar;12(2):268.

[Intercellular function of eicosanoids] Goerig M. **Verh Dtsch Ges Inn Med** 1990;96:683–5 (8 ref.) **(Ger)**

VETERINARY

[Acute phase proteins as diagnostic aid in veterinary medicine] Alsemgeest SP, et al. **Tijdschr Diergeneeskd** 1990 Oct 15;115(20):939–47 (67 ref.) (Eng. Abstr.) **(Dut)**

ACUTE PHASE STATE see **ACUTE PHASE REACTION**

ACUTE RESPIRATORY DISEASE VIRUSES see **ADENOVIRUSES, HUMAN**

ACUTE RETINAL NECROSIS see **RETINAL NECROSIS SYNDROME, ACUTE**

ACYCLOGUANOSINE see **ACYCLOVIR**

ACYCLOVIR

Acyclovir: the past ten years. Whitley RJ, et al. **Adv Exp Med Biol** 1990;278:243–53 (82 ref.)

ADMINISTRATION & DOSAGE

[Results of virostatic treatment of varicella with various severity] Stary A. **Hautarzt** 1991 Feb;42(2):72–6 (32 ref.) (Eng. Abstr.) **(Ger)**

[Zoster should be treated with peroral acyclovir] Molin L. **Lakartidningen** 1991 Jun 26;88(26–27):2381–2 (5 ref.) **(Swe)**

PHARMACOLOGY

[Acyclovir-resistant herpes simplex virus] Aukrust P. **Tidsskr Nor Laegeforen** 1990 Sep 10;110(21):2770–3 (128 ref.) (Eng. Abstr.) **(Nor)**

THERAPEUTIC USE

Cutaneous herpes simplex virus infections. Arbesfeld DM, et al. **Am Fam Physician** 1991 May;43(5):1655–64 (21 ref.)

Rehabilitation of three patients after treatment for herpes encephalitis. Rao N, et al. **Am J Phys Med Rehabil** 1991 Apr;70(2):73–5 (9 ref.)

Acyclovir and postherpetic neuralgia. Klenerman P, et al. **Biomed Pharmacother** 1990;44(9):455–9 (18 ref.)

Treatment with acyclovir of varicella pneumonia in pregnancy. Broussard RC, et al. **Chest** 1991 Apr; 99(4):1045–7 (23 ref.)

Herpes simplex virus hepatitis in pregnancy. Two patients successfully treated with acyclovir. Klein NA, et al. **Gastroenterology** 1991 Jan;100(1):239–44 (22 ref.)

Natural history and treatment of varicella–zoster in high-risk populations. Gnann JW, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:317–29 (100 ref.)

Herpes simplex virus in immunocompromised patients: growing evidence of drug resistance. Epstein JB, et al. **Oral Surg Oral Med Oral Pathol** 1991 Jul;72(1):47–50 (71 ref.)

Therapy and prevention of erythema multiforme with acyclovir. Huff JC. **Semin Dermatol** 1988 Sep;7(3):212–7 (40 ref.)

[Use of acyclovir in infectious diseases--update] Oren B, et al. **Harefuah** 1990 Aug;119(3–4):103–6 (39 ref.) **(Heb)**

[Ramsay Hunt syndrome. Effects of the treatment with acyclovir (preliminary study)] Ramos Macias A, et al. **Acta Otorrinolaringol Esp** 1990 Nov–Dec;41(6):387–91 (22 ref.) (Eng. Abstr.) **(Spa)**

ACYL-COA-CHOLESTEROL ACYLTRANSFERASE see **CHOLESTEROL ACYLTRANSFERASE**

ACYL COA DEHYDROGENASES see **FATTY ACID DESATURASES**

ACYL COA DESATURASES see **FATTY ACID DESATURASES**

ACYLNEURAMINATE CYTIDYLYLTRANSFERASE

Enzymatic techniques applied to complex carbohydrates. Some examples. Nilsson KG. **Ann N Y Acad Sci** 1990; 613:431–4 (13 ref.)

ACYLTRANSFERASES

METABOLISM

Mechanism of fatty acid ethyl ester formation and biological significance. Lange LG. **Ann N Y Acad Sci** 1991;625:802–5 (9 ref.)

Protein N-myristoylation: simple questions, unexpected answers. Gordon JI. **Clin Res** 1990 Oct;38(3):517–28 (43 ref.)

PHYSIOLOGY

Protein N-myristoylation. Gordon JI, et al. **J Biol Chem** 1991 May 15;266(14):8647–50 (49 ref.)

ADAMANTINOMA see **AMELOBLASTOMA**

ADAPTATION, BIOLOGICAL

Strategies of obligate intracellular parasites for evading host defences. Hall BF, et al. **Immunol Today** 1991 Mar; 12(3):A22–7 (86 ref.)

Co-evolution of parasites and adaptive immune responses. Mitchell GF. **Immunol Today** 1991 Mar;12(3):A2–5 (18 ref.)

[The concept of universal functional modules and the further development of the theories of the biosphere, ecosystems and biological adaptations] Ugolev AM. **Zh Evol Biokhim Fiziol** 1990 Jul–Aug;26(4):441–54 (60 ref.) **(Rus)**

GENETICS

Coadaptation revisited. Wallace B. **J Hered** 1991 Mar–Apr; 82(2):89–95 (65 ref.)

PHYSIOLOGY

Cellular adaptation in the origin and development of cancer. Farber E, et al. **Cancer Res** 1991 Jun 1;51(11):2751–61 (129 ref.)

ADAPTATION, OCULAR

PHYSIOLOGY

Adaptive mechanisms in eye–head coordination. Berthoz A. **Rev Oculomot Res** 1985;1:177–201 (0 ref.)

Integration of adaptive changes of the optokinetic reflex, pursuit and the vestibulo–ocular reflex. Collewijn H. **Rev Oculomot Res** 1985;1:51–69 (0 ref.)

Commissural vestibular nuclear coupling: a powerful putative site for producing adaptive change. Galiana HL. **Rev Oculomot Res** 1985;1:327–39 (0 ref.)

Synaptic plasticity in the cerebellar cortex that may underlie the vestibulo–ocular adaptation. Ito M. **Rev Oculomot Res** 1985;1:213–21 (0 ref.)

Adaptive modulation of VOR parameters by vision. Jones GM. **Rev Oculomot Res** 1985;1:21–50 (0 ref.)

Mental control of the adaptive process. Jones GM, et al. **Rev Oculomot Res** 1985;1:203–8 (0 ref.)

Adaptive regulation in the vergence and accommodation control systems. Miles FA. **Rev Oculomot Res** 1985;1:81–94 (0 ref.)

Adaptive properties of the saccadic system. Optican LM. **Rev Oculomot Res** 1985;1:71–9 (0 ref.)

Vestibular habituation: an adaptive process? Schmid R, et al. **Rev Oculomot Res** 1985;1:113–22 (0 ref.)

Adaptation to modified otolith input. Young LR. **Rev Oculomot Res** 1985;1:155–62 (0 ref.)

Studies of adaptation in human oculomotor disorders. Zee DS, et al. **Rev Oculomot Res** 1985;1:165–76 (0 ref.)

ADAPTATION, PHYSIOLOGICAL

Biochemistry of natural freeze tolerance in animals: molecular adaptations and applications to cryopreservation. Storey KB. **Biochem Cell Biol** 1990 Apr;68(4):687–98 (50 ref.)

The homeoviscous theory of adaptation applied to excitable membranes: a critical evaluation. Macdonald AG. **Biochim Biophys Acta** 1990 Oct 8;1031(3):291–310 (207 ref.)

Metabolic adaptations to change of nutrition at birth. Girard J. **Biol Neonate** 1990;58 Suppl 1:3–15 (62 ref.)

Adaptation and the ocular motor system. Zee DS. **Bull Soc Belge Ophtalmol** 1989;237:191–207 (33 ref.)

The pain–adaptation model: a discussion of the relationship between chronic musculoskeletal pain and motor activity. Lund JP, et al. **Can J Physiol Pharmacol** 1991 May; 69(5):683–94 (120 ref.)

Nutritional adaptation of Papua New Guinea Highlanders. Koishi H. **Eur J Clin Nutr** 1990 Dec;44(12):851–911 (97 ref.)

Neuronal adaptation accompanying metamorphosis in the flatfish. Graf W, et al. **J Neurobiol** 1990 Oct;21(7):1136–52 (77 ref.)

Chronic adaptations in proximal tubular H/HCO3 transporters. Alpern RJ, et al. **Kidney Int Suppl** 1991 Jul; 33:S29–32 (39 ref.)

Pseudomonas aeruginosa and cystic fibrosis: unusual bacterial adaptation and pathogenesis. Govan JR, et al. **Microbiol Sci** 1986 Oct;3(10):302–8 (36 ref.)

Comparative methods for explaining adaptations. Harvey PH, et al. **Nature** 1991 Jun 20;351(6328):619–24 (79 ref.)

Do glomerular hemodynamic adaptations influence the progression of human renal disease? Woolf AS, et al. **Pediatr Nephrol** 1991 Jan;5(1):88–93 (77 ref.)

Food-storing birds: adaptive specialization in brain and behaviour? Krebs JR. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29;329(1253):153–60 (36 ref.)

Molecular and cellular adaptation of muscle in response to exercise: perspectives of various models. Booth FW, et al. **Physiol Rev** 1991 Apr;71(2):541–85 (440 ref.)

Variations in recovery and readaptation to load bearing conditions after space flight and whole body suspension in the rat. Musacchia XJ, et al. **Physiologist** 1991 Feb;34(1 Suppl):S170–1 (10 ref.)

[Report: physiological consequences of the interposition of intestinal segments in the urinary tract] Van Velthoven R. **Acta Urol Belg** 1991;59(2):57–76 (38 ref.) **(Fre)**

DRUG EFFECTS

Evaluating the effects of chemical exposures on adaptive functioning. Kulig BM. **Comp Biochem Physiol [C]** 1991; 100(1–2):263–8 (24 ref.)

Homeostatic theory of drug tolerance: a general model of physiological adaptation. Poulos CX, et al. **Psychol Rev** 1991 Jul;98(3):390–408 (125 ref.)

[Adhesive agents for improving the fixation of and accelerated adaptation to removable dentures] Urazaeva NN. **Stomatologiia (Mosk)** 1991 Jan–Feb;70(1):73–5 (33 ref.)

(Rus)
[The general mechanism of body adaptation under the influence of polyphenol adaptogens] Lupandin AV. **Usp Fiziol Nauk** 1991 Jan-Feb;22(1):20-39 (142 ref.) (Rus)

GENETICS

Molecular biology of gastrointestinal peptides and growth factors: relevance to intestinal adaptation. Lund PK, et al. **Digestion** 1990;46 Suppl 2:66-73 (26 ref.)

IMMUNOLOGY

An evolutionary perspective of endotoxin: a signal for a well-adapted defense system. Legrand EK. **Med Hypotheses** 1990 Sep;33(1):49-56 (61 ref.)

PHYSIOLOGY

Adaptations to hypoxia in birds: how to fly high. Faraci FM. **Annu Rev Physiol** 1991;53:59-70 (83 ref.)
Exercise training programs and cardiorespiratory adaptation. Cox MH. **Clin Sports Med** 1991 Jan;10(1):19-32 (22 ref.)
Polyamines in intestinal adaptation and disease. Dowling RH. **Digestion** 1990;46 Suppl 2:331-44 (67 ref.)
Molecules of the extracellular matrix: potential role of collagens and glycoproteins in intestinal adaptation. Schuppan D, et al. **Digestion** 1990;46 Suppl 2:2-11 (53 ref.)
Similar myocardial effects of aging and hypertension. Lakatta EG. **Eur Heart J** 1990 Nov;11 Suppl G:29-38 (104 ref.)
The biological limits of cardiac adaptation to chronic overload. Swynghedauw B. **Eur Heart J** 1990 Nov;11 Suppl G:87-94 (25 ref.)
Reflex control in heart failure: a primer for physicians. Buchter CM, et al. **Hosp Pract (Off Ed)** 1991 Jun 15; 26(6):119-24, 126 (9 ref.)
Neurobiological background of pain and analgesia: the attempt at revaluation according to position of the organism's adaptive activity. Kiyatkin EA. **Int J Neurosci** 1990 Jun;52(3-4):125-88 (287 ref.)
Functional strains and cortical bone adaptation: epigenetic assurance of skeletal integrity. Rubin CT, et al. **J Biomech** 1990;23 Suppl 1:43-54 (86 ref.)
Candidates for the mechanosensory system in bone. Cowin SC, et al. **J Biomech Eng** 1991 May;113(2):191-7 (63 ref.)
An informational approach to sensory adaptation. Norwich KH, et al. **J Comp Physiol [A]** 1991 Feb;168(2):151-7 (21 ref.)
Physiologic adaptations of the tubuloglomerular feedback system. Blantz RC, et al. **Kidney Int** 1990 Oct;38(4):577-83 (46 ref.)
A physiological approach to different concepts of rate adaptive cardiac pacing. Schaldach M, et al. **Med Prog Technol** 1990;16(4):235-46 (37 ref.)
Physiologic adaptations to prolonged high-intensity exercise training in patients with coronary artery disease. Hagberg JM. **Med Sci Sports Exerc** 1991 Jun;23(6):661-7 (59 ref.)
Cerebellar function and the adaptive feature of the central nervous system. Llinás R, et al. **Rev Oculomot Res** 1985; 1:223-31 (0 ref.)
An adaptive equalizer model of the primate vestibulo-ocular reflex. Miles FA, et al. **Rev Oculomot Res** 1985;1:313-26 (0 ref.)
Mutagenesis as viewed from another perspective. Lieber M. **Riv Biol** 1990;83(4):513-22 (22 ref.)
Calcium and the mechanism of light adaptation in vertebrate photoreceptors. Fain GL, et al. **Trends Neurosci** 1990 Sep; 13(9):378-84 (68 ref.)
[The current concepts of the adaptation of the human body to hyperbarism and its readaptation after decompression] Guliar SA, et al. **Fiziol Zh** 1990 Jul-Aug;36(4):105-14 (63 ref.) (Eng. Abstr.) (Rus)
[Genetic aspects of man's adaptation to long-term space flight] Delone NL, et al. **Kosm Biol Aviakosm Med** 1991 Mar-Apr;25(2):10-5 (50 ref.) (Eng. Abstr.) (Rus)
[Functional adaptation of solitary kidney] Bosin VIu, et al. **Sov Med** 1990;(8):40-3 (60 ref.) (Rus)
[The protective effects of adaptation and the prospects for the development of adaptive medicine] Meerson FZ. **Usp Fiziol Nauk** 1991 Apr-Jun;22(2):52-89 (126 ref.) (Rus)

ADAPTATION, PSYCHOLOGICAL

see related
SOCIAL ADJUSTMENT

Defending and coping in psychically disturbed adolescents. I. Theory, results of factor analysis. Reinhard HG. **Acta Paedopsychiatr** 1989;52(3):232-40 (31 ref.)
Psychological problems of families and health workers dealing with people infected with human immunodeficiency virus 1. Maj M. **Acta Psychiatr Scand** 1991 Mar;83(3):161-8 (36 ref.)
Stress, coping, and health: models of interaction for Indian and native populations. Dinges NG, et al. **Am Indian Alsk Native Ment Health Res** 1988;1 MONO 1:8-55 discussion 56-64 (161 ref.)
Resilience and human adaptability: who rises above adversity? 1990 Eleanor Clarke Slagle Lecture. Fine SB. **Am J Occup Ther** 1991 Jun;45(6):493-503 (76 ref.)
Vulnerability and competence: a review of research on resilience in childhood. Luthar SS, et al. **Am J Orthopsychiatry** 1991 Jan;61(1):6-22 (105 ref.)
Previewing: a preventive strategy that promotes adaptive development. Trad PV. **Am J Psychother** 1991 Apr; 45(2):231-42 (21 ref.)
Values and religious issues in psychotherapy and mental health. Bergin AE. **Am Psychol** 1991 Apr;46(4):394-403 (70 ref.)
Evolutionary personality psychology. Buss DM. **Annu Rev Psychol** 1991;42:459-91 (140 ref.)
Social factors and psychopathology: stress, social support, and coping processes. Coyne JC, et al. **Annu Rev Psychol** 1991;42:401-25 (130 ref.)
Marital interactions. O'Leary KD, et al. **Annu Rev Psychol** 1991;42:191-212 (133 ref.)
Psychological consequences of spinal injury: a review of the literature. Craig AR, et al. **Aust N Z J Psychiatry** 1990 Sep;24(3):418-25 (55 ref.)
The self-organization of human psychological functioning. Kaplan ML, et al. **Behav Sci** 1991 Jul;36(3):161-78 (35 ref.)
Psychological consequences of cystic fibrosis in adults. Aspin AJ. **Br J Hosp Med** 1991 Jun;45(6):368-71 (30 ref.)
Psychological research on the martial arts: an addendum to Fuller's review. Columbus PJ, et al. **Br J Med Psychol** 1991 Jun;65 (Pt 2):127-35 (46 ref.)
Coping, problem solving and stress: a framework for intervention strategies. Ostell A. **Br J Med Psychol** 1991 Mar;64 (Pt 1):11-24 (65 ref.)
Towards a cognitive-behavioural intervention for adult grief reactions [see comments] Kavanagh DJ. **Br J Psychiatry** 1990 Sep;157:373-83 (100 ref.) Comment in: Br J Psychiatry 1991 Feb;158:291.
Psychosocial adjustment in women with breast cancer. Irvine D, et al. **Cancer** 1991 Feb 15;67(4):1097-117 (49 ref.)
Cognitive deficits in children: adaptive behavior and treatment techniques. Strang JD. **Epilepsia** 1990;31 Suppl 4:S54-8 (17 ref.)
Psychiatric aspects of head and neck surgery. Part I: New surgical techniques and psychiatric consequences. Bronheim H, et al. **Gen Hosp Psychiatry** 1991 May; 13(3):165-76 (54 ref.)
Exercise and sport in mental health: a review of the literature. Gleser J, et al. **Isr J Psychiatry Relat Sci** 1990;27(2):99-112 (83 ref.)
Trauma and nostalgia: new aspects on the coping of aging Holocaust survivors. Hertz DG. **Isr J Psychiatry Relat Sci** 1990;27(4):189-98 (26 ref.)
The long-term effects of divorce on children: a review. Wallerstein JS. **J Am Acad Child Adolesc Psychiatry** 1991 May;30(3):349-60 (54 ref.)
Revision, replication and neglect--research on maladjustment in chronic illness. Pless IB, et al. **J Child Psychol Psychiatry** 1991 Jan;32(2):347-65 (87 ref.)
Psychosocial risk and protective factors in childhood [see comments] Pellegrini DS. **J Dev Behav Pediatr** 1990 Aug; 11(4):201-9 (87 ref.) Comment in: J Dev Behav Pediatr 1990 Aug;11(4):210-1.
Research on religion and mental health in later life: a review and commentary. Koenig HG. **J Geriatr Psychiatry** 1990; 23(1):23-53 (66 ref.)
Determinants of grief resolution in cancer death. Yancey D, et al. **J Palliat Care** 1990 Winter;6(4):24-31 (33 ref.)
Pain threshold levels and coping strategies among patients who have chest pain and normal coronary arteries. Bradley LA, et al. **Med Clin North Am** 1991 Sep;75(5):1189-202 (38 ref.)
Behavioral adaptations to pathogens and parasites: five strategies. Hart BL. **Neurosci Biobehav Rev** 1990 Fall; 14(3):273-94 (297 ref.)
Prevention of psychological disability after occupational respiratory exposures. Shusterman DJ, et al. **Occup Med** 1991 Jan-Mar;6(1):11-27 (69 ref.)
Managing the psychosocial consequences of cancer recurrence: implications for nurses. Mahon SM. **Oncol Nurs Forum** 1991 Apr;18(3):577-83 (35 ref.)
Considerations in behavior management of the pediatric dental patient. Helping children cope with dental treatment. Musselman RJ. **Pediatr Clin North Am** 1991 Oct; 38(5):1309-24 (31 ref.)
Psychosocial aspects of disability in children. Carlson CE, et al. **Pediatrician** 1990;17(4):213-21 (32 ref.)
Psychosocial needs of long-term childhood cancer survivors: a review of literature. Chang PN. **Pediatrician** 1991; 18(1):20-4 (42 ref.)
A family systems perspective for working with youth with disability. Patterson JM. **Pediatrician** 1991;18(2):129-41 (58 ref.)
The link between stress and illness. Do our coping methods influence our health? Sutherland JE. **Postgrad Med** 1991 Jan;89(1):159-64 (29 ref.)
Paths of adolescent ego development: links with family life and individual adjustment. Hauser ST, et al. **Psychiatr Clin North Am** 1990 Sep;13(3):489-510 (19 ref.)
Effects of developmental disorder on parents: theoretical and applied considerations. Konstantareas MM, et al. **Psychiatr Clin North Am** 1991 Mar;14(1):183-98 (60 ref.)
Dreaming: the impact of life stress events. Miller TW, et al. **Psychiatr Dev** 1989 Winter;7(4):367-73 (19 ref.)
Role of reassurance and psychopathology in hypochondriasis. Starčević V. **Psychiatry** 1990 Nov;53(4):383-95 (28 ref.)
The affective organization of parenting: adaptive and maladaptive processes. Dix T. **Psychol Bull** 1991 Jul; 110(1):3-25 (235 ref.)
Marital conflict and children's adjustment: a cognitive-contextual framework. Grych JH, et al. **Psychol Bull** 1990 Sep;108(2):267-90 (150 ref.)
Validity issues in research on Vietnam veteran adjustment. King DW, et al. **Psychol Bull** 1991 Jan;109(1):107-24 (112 ref.)
Asymmetrical effects of positive and negative events: the mobilization-minimization hypothesis. Taylor SE. **Psychol Bull** 1991 Jul;110(1):67-85 (200 ref.)
Psychiatric aspects of HIV-1 infection and AIDS. Maj M. **Psychol Med** 1990 Aug;20(3):547-63 (100 ref.)
Cultural variations in response to painful stimuli. Zatzick DF, et al. **Psychosom Med** 1990 Sep-Oct;52(5):544-57 (62 ref.)
Measurement of psychological distress and well-being. Bech P. **Psychother Psychosom** 1990;54(2-3):77-89 (52 ref.)
Methodological and conceptual issues in research on quality of life. Fava GA. **Psychother Psychosom** 1990;54(2-3):70-6 (32 ref.)
Quality of life in cardiovascular disease. Mayou R. **Psychother Psychosom** 1990;54(2-3):99-109 (45 ref.)
Quality of life in oncology patients. Muthny FA, et al. **Psychother Psychosom** 1990;54(2-3):145-60 (41 ref.)
Psychological distress and quality of life in endocrine disease. Sonino N, et al. **Psychother Psychosom** 1990;54(2-3):140-4 (21 ref.)
Coping with heart transplantation: a challenge for liaison psychiatry. Zumbrunnen R. **Psychother Psychosom** 1989; 52(1-3):66-73 (38 ref.)
Coping with cancer pain. Seemann H, et al. **Recent Results Cancer Res** 1991;121:58-67 (36 ref.)
Parental reactions to the loss of an infant child: a review. Dyregrov A. **Scand J Psychol** 1990;31(4):266-80 (120 ref.)
[Adaptation problems in old age] Zádnik P, et al. **Cesk Psychiatr** 1990 Oct;86(5):346-54 (96 ref.) (Eng. Abstr.) (Cze)
[Patients coping with cancer. A review] Johansen C, et al. **Ugeskr Laeger** 1991 Mar 18;153(12):824-8 (26 ref.) (Eng. Abstr.) (Dan)
[Mourning and grief work] Keirse EA. **Ned Tijdschr Geneeskd** 1990 Dec 8;134(49):2375-9 (52 ref.) (Dut)
[Health and psychosocial effects of miscarriage] Läpple M. **Fortschr Neurol Psychiatr** 1991 May;59(5):155-63 (87 ref.) (Eng. Abstr.) (Ger)
[Psychosocial problems in HIV infected families--possibilities for coping] Rosendahl C, et al. **Monatsschr Kinderheilkd** 1990 Dec;138(12):789-90 (7 ref.) (Eng. Abstr.) (Ger)
[Psychological development in chronic disease and disability] Steinhausen HC. **Monatsschr Kinderheilkd** 1990 Oct; 138(10):646-50 (8 ref.) (Eng. Abstr.) (Ger)
[Guilt and freedom--psychiatric-psychotherapeutic and anthropologic aspects] Bron B. **Psychother Psychosom Med Psychol** 1990 Dec;40(12):480-7 (61 ref.) (Eng. Abstr.) (Ger)
["Expected motivation" in managing illness. A difficult social medicine-forensic problem] Aschoff JC. **Versicherungsmedizin** 1991 Feb 1;43(1):5-9 (26 ref.) (Eng. Abstr.) (Ger)
[The need for interpersonal relations and coping with stressful life events] Wolf E. **Z Arztl Fortbild (Jena)** 1991 Apr 25;85(8):359-64 (11 ref.) (Ger)
[Life style and quality of life of children and adolescents following malignant tumor disease] Häberle H, et al. **Zentralbl Chir** 1990;115(15):925-32 (12 ref.) (Eng. Abstr.) (Ger)

PHYSIOLOGY

Central action of adrenal steroids during stress and adaptation. Reul JM, et al. **Adv Exp Med Biol** 1990; 274:243-56 (75 ref.)

ADDISON'S ANEMIA see **ANEMIA, PERNICIOUS**

ADDISON'S DISEASE

Addison's disease. Davenport J, et al. **Am Fam Physician** 1991 Apr;43(4):1338-42 (26 ref.)

COMPLICATIONS

Addison's disease and sarcoidosis: unusual frequency of co-existing hypothyroidism (Schmidt's syndrome) [letter] Walz B, et al. **Am J Med** 1990 Nov;89(5):692-3 (10 ref.)

ETIOLOGY

[Idiopathic Addison disease and autoimmune polyendocrinopathy] Keil I, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3-4):147-52 (15 ref.) (Ger)
[Malignant schwannoma as a cause of Addison's disease] de las Heras Niño B, et al. **An Med Interna** 1989 Aug; 6(8):435-6 (13 ref.) (Eng. Abstr.) (Spa)

ADENINE

ANALOGS & DERIVATIVES

Broad-spectrum anti-DNA virus and anti-retrovirus activity of phosphonylmethoxyalkylpurines and -pyrimidines. De Clercq E. **Biochem Pharmacol** 1991 Aug 8;42(5):963-72 (69 ref.)
[Urolithiasis in 2,8-dihydroxyadeninuria: presentation of 3

additional cases] Leusmann DB, et al. **Z Urol Nephrol** 1990 Jul;83(7):383–9 (22 ref.) (Eng. Abstr.) **(Ger)**

ADENINE ARABINOSIDE see **VIDARABINE**

ADENINE ARABINOSIDE MONOPHOSPHATE see **ARABINOFURANOSYLADENINE MONOPHOSPHATE**

ADENINE DEOXYRIBONUCLEOSIDES see **DEOXYADENOSINES**

ADENINE NUCLEOTIDES

METABOLISM

Affinity labeling of adenine nucleotide sites in enzymes. Colman RF, et al. **Ann N Y Acad Sci** 1990;603:417–26 (10 ref.)

Receptors for adenosine and adenine nucleotides. Stone TW. **Gen Pharmacol** 1991;22(1):25–31 (28 ref.)

[Effect of the coronary microvascular system on adenine nucleotide metabolism and subsequent functions of the heart] Nees S, et al. **Internist (Berl)** 1990 Oct;31(10):617–24 (36 ref.) **(Ger)**

PHARMACOLOGY

A comparison of P1– and P2–purinoceptors. Paton DM, et al. **Ann N Y Acad Sci** 1990;603:165–71 (27 ref.)

Agrocins and the biological control of crown gall. Kerr A, et al. **Microbiol Sci** 1984 Apr;1(1):1–4 (23 ref.)

ADENINE POLYNUCLEOTIDES see **POLY A**

ADENITIS see **LYMPHADENITIS**

ADENOCARCINOMA

Adenocarcinoma of the uterine cervix. Kilgore LC, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):863–71 (57 ref.)

Follicular and Hürthle cell carcinoma of the thyroid. Cooper DS, et al. **Endocrinol Metab Clin North Am** 1990 Sep; 19(3):577–91 (97 ref.)

Radioiodine–131 in the diagnosis and treatment of metastatic well differentiated thyroid cancer. Maxon HR 3d, et al. **Endocrinol Metab Clin North Am** 1990 Sep;19(3):685–718 (136 ref.)

Perspectives in colorectal cancer. Herrera L, et al. **J Surg Oncol Suppl** 1991;2:92–103 (52 ref.)

Follicular carcinoma of the thyroid. Watne AL, et al. **Semin Surg Oncol** 1991 Mar–Apr;7(2):87–91 (20 ref.)

Current status of cancers of the bladder and prostate. Jacobs SC, et al. **Trans Assoc Life Insur Med Dir Am** 1991; 74:144–51 (18 ref.)

[Lipid pneumopathy and bronchopulmonary adenocarcinoma. Apropos of a case] Seitz B, et al. **Rev Mal Respir** 1991;8(1):107–9 (13 ref.) (Eng. Abstr.) **(Fre)**

[Carcinoma of the gallbladder: presentation of 6 clinical cases and review of the literature] Vietri F, et al. **G Chir** 1988 Oct;9(10):687–93 (49 ref.) (Eng. Abstr.) **(Ita)**

[A case report of multiple lipomas of the alimentary tract and gall bladder combined with early gastric cancer] Tokoro Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Feb;88(2):175–9 (20 ref.) **(Jpn)**

[Combination of malignant tumors of the genitourinary system in the same patient: testicular seminoma, renal adenocarcinoma and adenocarcinoma of the prostate] Lioy Lupis MT, et al. **Arch Esp Urol** 1991 Jan–Feb;44(1):73–5 (12 ref.) (Eng. Abstr.) **(Spa)**

[Primary bladder adenocarcinoma: retrospective study of 11 cases and general review] Martínez–Piñeiro L, et al. **Arch Esp Urol** 1991 Mar;44(2):131–8 (38 ref.) (Eng. Abstr.) **(Spa)**

[Adenocarcinomas of the urachus] Salinas Sánchez AS, et al. **Arch Esp Urol** 1991 Jan–Feb;44(1):31–6 (32 ref.) (Eng. Abstr.) **(Spa)**

[Primary adenocarcinoma of a fallopian tube. Report of 3 cases and review of the literature] Pérez Maldonado G, et al. **Ginecol Obstet Mex** 1989 Sep;57:252–4 (18 ref.) (Eng. Abstr.) **(Spa)**

BLOOD

The present role of prostatic specific antigen (PSA) as a tumor marker in carcinoma of the prostate. Parra RO. **Mo Med** 1991 Jun;88(6):349–52 (18 ref.)

[Hormone–dependent genital carcinomas] Schindler AE. **Zentralbl Gynakol** 1991;113(8):419–22 (31 ref.) (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Vaginal adenosis and clear cell carcinoma after 5–fluorouracil treatment for condylomas. Goodman A, et al. **Cancer** 1991 Oct 1;68(7):1628–32 (53 ref.)

Clear cell adenocarcinoma of the vagina and cervix secondary to intrauterine exposure to diethylstilbestrol. Herbst AL, et al. **Semin Surg Oncol** 1990;6(6):343–6 (17 ref.)

[Tamoxifen and endometrial adenocarcinoma] Rodier JF, et al. **Bull Cancer (Paris)** 1990;77(12):1207–10 (20 ref.) (Eng. Abstr.) **(Fre)**

CHEMISTRY

Neu (c–erbB–2), a tumor marker in carcinoma of the female breast. Maguire HC Jr, et al. **Pathobiology** 1990; 58(6):297–303 (75 ref.)

COMPLICATIONS

Bronchial anomaly of the right upper lobe. Read R, et al. **Ann Thorac Surg** 1990 Dec;50(6):980–1 (7 ref.)

Irrepressible renal colic from spontaneous subcapsular hematoma as a sign of presentation of renal neoplasia. Case report and review of the literature. Fornarola V, et al. **Arch Esp Urol** 1990 Sep;43(7):801–5 (16 ref.)

Crohn's disease and adenocarcinoma of the intestinal tract. Report of four cases. Rubio CA, et al. **Dis Colon Rectum** 1991 Feb;34(2):174–80 (32 ref.)

Adenocarcinoma arising in retroperitoneal enterogenous cyst presenting as a renal cyst: report of an unusual case. Marrogi AJ, et al. **Eur J Surg Oncol** 1991 Jun;17(3):300–7 (40 ref.)

Early gastric cancer arising from localized Ménétrier's disease. Hsu CT, et al. **Gastroenterol Jpn** 1991 Apr; 26(2):213–7 (24 ref.)

Pneumothorax: an unusual presentation of primary bronchogenic neoplasm. Mathew A, et al. **J Ky Med Assoc** 1991 Jan;89(1):22–4 (8 ref.)

[Hypercalcemia in cancers of the prostate. Apropos of 4 cases] Assouline C, et al. **Rev Rhum Mal Osteoartic** 1991 Mar;58(3):183–6 (21 ref.) (Eng. Abstr.) **(Fre)**

[A case of adenocarcinoma of the stomach associated with SIADH] Saitoh S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jun;88(6):1349–53 (14 ref.) **(Jpn)**

[Double gastric neoplasia (lymphoma/adenocarcinoma) associated with alpha–1 antitrypsin deficiency. Presentation of a case and review of the literature] Hernández Batuecas I, et al. **An Med Interna** 1989 Jan;6(1):29–32 (22 ref.) (Eng. Abstr.) **(Spa)**

[Cholestasis and prostatic carcinoma. Description of a case and review of paraneoplastic cholestasis] Moris de la Tassa J, et al. **Med Clin (Barc)** 1991 Jan 12;96(1):22–5 (47 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

A diagnostic expert system for colonic lesions. Graham AR, et al. **Am J Clin Pathol** 1990 Oct;94(4 Suppl 1):S15–8 (4 ref.)

Prostate cancer–associated markers. Chu TM. **Immunol Ser** 1990;53:339–56 (71 ref.)

Prostate specific antigen: a critical assessment of the most useful tumor marker for adenocarcinoma of the prostate. Oesterling JE. **J Urol** 1991 May;145(5):907–23 (112 ref.)

Magnetic resonance imaging diagnosis of an intracranial metastasis of adenocarcinoma of the prostate: case report. Capito PR, et al. **Md Med J** 1991 Feb;40(2):113–5 (10 ref.)

Familial polyposis coli & Gardner's syndrome. Nannery WM, et al. **N J Med** 1990 Sep;87(9):731–3 (11 ref.)

Prostate–specific antigen: a valuable clinical tool. Oesterling JE. **Oncology (Williston Park)** 1991 Apr;5(4):107–22; discussion 122, 125–6, 128 (75 ref.)

Prostate–specific antigen and prostatic acid phosphatase: biomolecular and physiologic characteristics. Bilhartz DL, et al. **Urology** 1991 Aug;38(2):95–102 (83 ref.)

[Comparative study of MRI and x–ray computed tomography in the preoperative evaluation of rectal carcinoma] Guinet C, et al. **J Radiol** 1990 May;71(5):357–63 (18 ref.) (Eng. Abstr.) **(Fre)**

[Pericardial effusions as the initial manifestation of extracardiac tumors. A discussion of 2 cases and a review of the literature] Mammarella A, et al. **Clin Ter** 1990 Oct 15;135(1):23–30 (36 ref.) (Eng. Abstr.) **(Ita)**

[Adenocarcinoma of the distal ileal loop: a rare disease at the typical site for Crohn's disease] Del Prete P, et al. **G Chir** 1991 Jan–Feb;12(1–2):41–5 (22 ref.) (Eng. Abstr.) **(Ita)**

[Primary sclerosing cholangitis mimicking bile duct carcinoma at porta hepatis. A case report and review of Japanese literature with special reference to the feature of associated jaundice] Kaneda K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Jul;87(7):1568–72 (17 ref.) **(Jpn)**

[Gastric non–Hodgkin's lymphoma and adenocarcinoma (letter)] García Girón C, et al. **An Med Interna** 1989 Dec; 6(12):656–7 (9 ref.) **(Spa)**

[Gastric adenocarcinoma following the treatment of a gastric non–Hodgkin's lymphoma] García–Girón C, et al. **Med Clin (Barc)** 1990 Nov 24;95(18):698–701 (37 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Levamisole in the adjuvant treatment of colon cancer. Mutch RS, et al. **Clin Pharm** 1991 Feb;10(2):95–109 (85 ref.)

Perspectives in chemotherapy of pancreatic cancer. Klapdor R. **Eur J Surg Oncol** 1991 Apr;17(2):153–66 (117 ref.)

Sudden death due to disease flare with luteinizing hormone–releasing hormone agonist therapy for carcinoma of the prostate. Thompson IM, et al. **J Urol** 1990 Dec; 144(6):1479–80 (15 ref.)

Cisplatin therapy for adenocarcinoma of the stomach. Leichman L, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):25–33 (47 ref.)

[Effect of tegafur administration combined with hormonal therapy in patients with newly diagnosed stage D prostatic cancer] Kobayashi N, et al. **Hinyokika Kiyo** 1990 Jul; 36(7):793–800 (28 ref.) (Eng. Abstr.) **(Jpn)**

[Current possibilities of drug therapy of lung cancer] Borisov VI, et al. **Sov Med** 1990;(9):22–6 (32 ref.) **(Rus)**

EPIDEMIOLOGY

Recent life change and large bowel cancer. Data from the Melbourne Colorectal Cancer Study. Kune S, et al. **J Clin Epidemiol** 1991;44(1):57–68 (33 ref.)

Adenocarcinoma in Barrett's esophagus. Altorki NK, et al. **Semin Surg Oncol** 1990;6(5):274–8 (48 ref.)

ETIOLOGY

Adenocarcinoma arising in a foregut cyst of the mediastinum. Olsen JB, et al. **Ann Thorac Surg** 1991 Mar;51(3):497–9 (8 ref.)

[Adenocarcinoma at an ileostomy site after colectomy for ulcerative colitis] Ferrandez Rivera M, et al. **J Chir (Paris)** 1990 Aug–Sep;127(8–9):412–5 (18 ref.) (Eng. Abstr.) **(Fre)**

[Malignant degeneration on ileostomy for rectocolonic polyposis] Lopez JF, et al. **J Chir (Paris)** 1991 Apr; 128(4):201–3 (21 ref.) (Eng. Abstr.) **(Fre)**

[Role of anatomopathological studies in the evaluation of the risk of lung cancer caused by passive smoking] Faccini JM. **Rev Mal Respir** 1990;7(6):529–33 (27 ref.) (Eng. Abstr.) **(Fre)**

[Adenocarcinoma of Meckel's diverticulum, a rare complication of omphalo–mesenteric remnant: presentation of a case and review of the literature] Borgognone A, et al. **G Chir** 1988 Feb;9(2):103–5 (11 ref.) (Eng. Abstr.) **(Ita)**

[Bilateral renal cell carcinoma in a patient receiving long–term dialysis] Yokoyama O, et al. **Hinyokika Kiyo** 1991 Jun;37(6):617–20 (17 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

The ras oncogenes in human lung cancer. Rodenhuis S, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S27–30 (54 ref.)

Nonfamilial intestinal polyposis and brain tumor in a 5–year–old girl. Castello MA, et al. **Pediatr Hematol Oncol** 1987;4(3):247–60 (28 ref.)

METABOLISM

[A case of colony stimulating factor (CSF) producing gastric carcinoma] Saeki T, et al. **Gan No Rinsho** 1990 Nov; 36(14):2469–74 (13 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Neuroendocrine tumours in the respiratory tract. de Bruïne AP, et al. **Acta Histochem Suppl** 1990;38:99–105 (14 ref.)

Glassy cell features in adenosquamous carcinoma of the uterine cervix. Histologic, ultrastructural, immunohistochemical, and clinical findings. Costa MJ, et al. **Am J Clin Pathol** 1991 Oct;96(4):520–8 (38 ref.)

Ploidy analysis and S–phase fraction determination by flow cytometry of invasive adenocarcinomas of the breast. Frierson HF Jr. **Am J Surg Pathol** 1991 Apr;15(4):358–67 (90 ref.)

Prognostic factors in adenocarcinoma of the lung. Sørensen JB. **Cancer Treat Res** 1989;45:215–43 (64 ref.)

Pathology of the cervix. Fujii S. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):442–7 (34 ref.)

Primary de novo adenocarcinoma of the colon measuring 8 mm in diameter with lymph node metastases. Report of a case. Herrera L, et al. **Dis Colon Rectum** 1991 Mar; 34(3):275–9 (19 ref.)

Malignant potential of juvenile polyposis coli. Report of a case and review of the literature. Longo WE, et al. **Dis Colon Rectum** 1990 Nov;33(11):980–4 (25 ref.)

Clear cell carcinoma arising in extraovarian endometriosis: report of three cases and review of the literature. Hitti IF, et al. **Gynecol Oncol** 1990 Dec;39(3):314–20 (17 ref.)

Invasive adenocarcinoma arising in extramammary Paget's disease of the vulva. Evans AT, et al. **Histopathology** 1991 Apr;18(4):355–60 (38 ref.)

Uterus–like mass of the ovary associated with endometrioid carcinoma. Rahilly MA, et al. **Histopathology** 1991 Jun; 18(6):549–51 (7 ref.)

Adenocarcinoma and (extragonadal) choriocarcinoma of the gallbladder in a young woman. Abu–Farsakh H, et al. **Hum Pathol** 1991 Jun;22(6):614–5 (22 ref.)

Epidermotropic eccrine porocarcinoma. Landa NG, et al. **J Am Acad Dermatol** 1991 Jan;24(1):27–31 (18 ref.)

Malignant adenolymphoma of the parotid gland: report of carcinomatous transformation. Onder T, et al. **J Laryngol Otol** 1990 Aug;104(8):656–61 (20 ref.)

Endometrial cancer: biochemical and clinical correlates. Gurpide E. **J Natl Cancer Inst** 1991 Mar 20;83(6):405–16 (111 ref.)

Jejunal carcinoma with adenoma––report of a case and review of the Japanese literature. Miyoshi Y, et al. **Jpn J Surg** 1990 Nov;20(6):711–4 (9 ref.)

Epithelial tumors of the lacrimal gland: clinico–pathologic correlation and management. Riedel KG, et al. **Neurosurg Rev** 1990;13(4):289–98 (37 ref.)

The role of pathologic variables and hormonal treatment after

radical prostatectomy for stage D1 disease. Zincke H. **Oncology (Williston Park)** 1991 Mar;5(3):129–39; discussion 139–40, 142 (37 ref.)

Tyrosine-rich crystalloids in a polymorphous low-grade adenocarcinoma. Raubenheimer EJ, et al. **Oral Surg Oral Med Oral Pathol** 1990 Oct;70(4):480–2 (15 ref.)

Adenosquamous carcinoma of the esophagus. A case report. Bombí JA, et al. **Pathol Res Pract** 1991 May;187(4):514–9; discussion 519–21 (29 ref.)

Endocervical carcinoma. Yeh IT, et al. **Pathol Res Pract** 1991 Mar;187(2–3):129–44 (140 ref.)

Low grade basaloid adenocarcinoma of salivary gland in childhood—the so-called hybrid basal cell adenoma—adenoid cystic carcinoma. Adkins GF. **Pathology** 1990 Oct;22(4):187–90 (19 ref.)

Endocervical glandular dysplasia, adenocarcinoma in situ, and early invasive (microinvasive) adenocarcinoma of the uterine cervix. Jaworski RC. **Semin Diagn Pathol** 1990 Aug; 7(3):190–204 (61 ref.)

Neuroendocrine neoplasms of the mediastinum. Wick MR, et al. **Semin Diagn Pathol** 1991 Feb;8(1):35–51 (80 ref.)

Invasive adenocarcinoma and related tumors of the uterine cervix. Young RH, et al. **Semin Diagn Pathol** 1990 Aug; 7(3):205–27 (115 ref.)

Surgical pathology of carcinoma of the colon and rectum. Cooper HS, et al. **Semin Oncol** 1991 Aug;18(4):367–80 (61 ref.)

[Thyroid microcarcinoma with a fatal outcome and 34 other unusually aggressive cases reported in the literature] Satge D, et al. **Arch Anat Cytol Pathol** 1990;38(4):143–51 (52 ref.) (Eng. Abstr.) **(Fre)**

[Role of colorectal lymphoid follicles in intestinal carcinogenesis in rodents and in men] Martin MS. **Gastroenterol Clin Biol** 1990;14(8–9):611–3 (23 ref.) **(Fre)**

[Immunohistochemical markers in lung tumors—a status evaluation] Müller KM, et al. **Pneumologie** 1991 Apr; 45(4):140–6 (51 ref.) (Eng. Abstr.) **(Ger)**

[Primary metastasizing fallopian tube carcinoma. Case report and overview of current therapy] Behr J, et al. **Zentralbl Gynakol** 1990;112(23):1477–80 (20 ref.) (Eng. Abstr.) **(Ger)**

[Adenocarcinoma of the uterine cervix] Geissler U. **Zentralbl Gynakol** 1991;113(2):65–74 (26 ref.) **(Ger)**

[Prostatic cancer metastasized into the kidney and kidney cancer metastasized into the lung] Tiszlavicz L, et al. **Orv Hetil** 1991 Jul 14;132(28):1539–42 (30 ref.) (Eng. Abstr.) **(Hun)**

[Anatomo-clinical considerations on early gastric cancer] Vitale M, et al. **Minerva Med** 1990 Oct;81(10):717–22 (32 ref.) (Eng. Abstr.) **(Ita)**

[A case report of primary microadenocarcinoma of the middle thoracic esophagus] Sakai T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 May;88(5):1235–9 (13 ref.) **(Jpn)**

[A case of gastric cancer (IIb) on the submucosal tumor (leiomyoma) of the stomach] Soejima H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Nov; 87(11):2526–30 (15 ref.) **(Jpn)**

[Low-stage prostatic adenocarcinoma and atypical lesions of the prostate] Maganto Pavón E, et al. **Arch Esp Urol** 1990 Nov–Dec;43(9):967–70 (16 ref.) (Eng. Abstr.) **(Spa)**

[Gallbladder cancer: anatomic and anatomo-pathologic considerations] Roa I, et al. **Rev Med Chil** 1990 May; 118(5):572–9 (19 ref.) (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Controversies, dilemmas, and dialogues. When is colonoscopic resection of an adenomatous polyp containing a "malignancy" sufficient? Waye JD, et al. **Am J Gastroenterol** 1990 Dec;85(12):1564–8 (33 ref.)

Piroxicam decreases postirradiation colonic neoplasia in the rat. Northway MG, et al. **Cancer** 1990 Dec 1;66(11):2300–5 (41 ref.)

Colorectal cancer screening. Winawer SJ, et al. **J Natl Cancer Inst** 1991 Feb 20;83(4):243–53 (130 ref.)

RADIOTHERAPY

Interstitial brachytherapy for pancreatic cancer: report of seven cases treated with 125I and a review of the literature. Montemaggi P, et al. **Int J Radiat Oncol Biol Phys** 1991 Jul;21(2):451–7 (25 ref.)

Intraoperative brachytherapy alone for incomplete resected recurrent rectal cancer. Minsky BD, et al. **Radiother Oncol** 1991 Jun;21(2):115–20 (37 ref.)

[Role of postoperative adjuvant radiotherapy in the treatment of class T2-3 NO MO adenocarcinoma of the kidney] Micheletti E, et al. **Radiol Med (Torino)** 1991 Jun; 81(6):887–92 (32 ref.) (Eng. Abstr.) **(Ita)**

SECONDARY

Metastatic adenocarcinoma in cerebral astrocytoma: clinicopathological and immunohistochemical study with review of the literature. Tajika Y, et al. **Acta Neurochir (Wien)** 1990;105(1–2):50–5 (18 ref.)

The role of etoposide in the treatment of poorly differentiated carcinoma of unknown primary site. Hainsworth JD, et al. **Cancer** 1991 Jan 1;67(1 Suppl):310–4 (22 ref.)

Endocardial metastases of follicular thyroid carcinoma: a case report and review of the literature. Clare-Salzler MJ, et al. **Eur J Surg Oncol** 1991 Apr;17(2):219–23 (20 ref.)

Temporal bone involvement by prostatic adenocarcinoma: report of two cases and review of the literature. Sahin AA, et al. **Head Neck** 1991 Jul–Aug;13(4):349–54 (24 ref.)

Metastasis to the penis. Case reports and review of the literature. Osther PJ, et al. **Int Urol Nephrol** 1991; 23(2):161–7 (25 ref.)

Adenocarcinoma. Case of metastasis to the foot. Gauntt K, et al. **J Am Podiatr Med Assoc** 1990 Dec;80(12):657–9 (9 ref.)

Magnetic resonance imaging diagnosis of an intracranial metastasis of adenocarcinoma of the prostate: case report. Capito PR, et al. **Md Med J** 1991 Feb;40(2):113–5 (10 ref.)

Ovarian metastases are rare in stage I adenocarcinoma of the cervix. Brown JV, et al. **Obstet Gynecol** 1990 Oct; 76(4):623–6 (26 ref.)

[Metatarsal metastasis. A case treated by exeresis an reconstruction] Chauveaux D, et al. **Rev Chir Orthop** 1990; 76(7):525–7 (11 ref.) (Eng. Abstr.) **(Fre)**

[Peri-colostomy hemorrhage due to portal hypertension secondary to hepatic metastasis of a rectal adenocarcinoma. Apropos of a case report. Literature review] Elcheroth J, et al. **Rev Med Brux** 1990 Sep;11(7):261–4 (19 ref.) (Eng. Abstr.) **(Fre)**

[Metastasis of pulmonary origin in a metatarsal head: differential diagnosis of an attack of gout. Literature review of bony metastases of hands and feet] Aellen P, et al. **Schweiz Rundsch Med Prax** 1991 Apr 9;80(15):387–90 (24 ref.) (Eng. Abstr.) **(Fre)**

[Penile metastasis of prostatic carcinoma: a case report] Musci R, et al. **Arch Ital Urol Nefrol Androl** 1991 Mar;63(1):173–6 (23 ref.) (Eng. Abstr.) **(Ita)**

[Exophthalmos caused by orbital metastasis of prostatic carcinoma] Romero Pérez P, et al. **Arch Esp Urol** 1991 Mar;44(2):191–4 (14 ref.) (Eng. Abstr.) **(Spa)**

[Cerebral metastases in adenocarcinoma of the colon] Rovirosa A, et al. **Rev Esp Enferm Dig** 1991 Apr; 79(4):281–3 (15 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Gastrointestinal tumours after stapler vs vicryl anastomoses in carcinogen-treated rats. Buhr HJ, et al. **Eur J Surg Oncol** 1990 Dec;16(6):493–6 (21 ref.)

Patient selection and factors affecting results following resection for hepatic metastases from colorectal carcinoma. Fegiz G, et al. **Int Surg** 1991 Jan–Mar;76(1):58–63 (27 ref.)

Current status of sphincter preservation in rectal cancer. Harms BA, et al. **Oncology (Williston Park)** 1990 Aug; 4(8):53–60; discussion 65–6 (49 ref.)

Significance and treatment of positive margins or seminal vesicle invasion after radical prostatectomy. Montie JE. **Urol Clin North Am** 1990 Nov;17(4):803–12 (30 ref.)

Management of stage A prostate cancer. Smith JA Jr, et al. **Urol Clin North Am** 1990 Nov;17(4):769–77 (26 ref.)

[Cancer of the anus. Current role of surgery] Cola B, et al. **Chirurgie** 1990;116(1):89–97; discussion 97–8 (25 ref.) (Eng. Abstr.) **(Fre)**

[Villous tumors of the rectum. 50 cases treated surgically] Gainant A, et al. **Chirurgie** 1990;116(4–5):429–34 (30 ref.) (Eng. Abstr.) **(Fre)**

[Palliative surgical treatment of cancer of the esophagus] Müller JM, et al. **Med Klin** 1991 Jan 15;86(1):24–31 (35 ref.) (Eng. Abstr.) **(Ger)**

[Adenomatous polyps in the stomach-colon—when is polypectomy curative?] Niebel W, et al. **Z Gastroenterol Verh** 1991 Mar;26:80–1 (6 ref.) **(Ger)**

[Occurrence of cancers in duplications of the digestive tract] Schickedanz H, et al. **Z Kinderchir** 1990 Oct;45(5):304–7 (32 ref.) (Eng. Abstr.) **(Ger)**

[Advantages and disadvantages of protective colostomy in surgery for cancer of the left colon. Results of a 20-year experience] Bertoldi I, et al. **G Chir** 1988 Mar–Apr; 9(3–4):221–4 (26 ref.) (Eng. Abstr.) **(Ita)**

[Total gastrectomy versus subtotal gastrectomy in the surgical treatment of stage II and III gastric cancer. Preliminary results] Cucchiara G, et al. **G Chir** 1988 Mar–Apr;9(3–4):241–7 (31 ref.) (Eng. Abstr.) **(Ita)**

[Neoplasms of Vater's papilla. Diagnosis and surgical treatment] Nobili P, et al. **G Chir** 1988 Oct;9(10):662–9 (40 ref.) (Eng. Abstr.) **(Ita)**

[Two surgical cases of synchronous double carcinoma of the lung and esophagus and review of 10 documented cases in Japan] Morimoto M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Feb;39(2):245–50 (9 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Management of early adenocarcinoma of the endometrium with surgical staging followed by tailored adjuvant radiation therapy. DiSaia PJ. **Ann N Y Acad Sci** 1991; 622:488–95 (4 ref.)

Non-operative palliation of pancreatic cancer. Huibregtse K. **Baillieres Clin Gastroenterol** 1990 Dec;4(4):995–1004 (38 ref.)

Management of colorectal cancer. Cohen AM. **Compr Ther** 1990 Nov;16(11):43–50 (19 ref.)

Aggressive therapy for cancer of the pancreas. Does it help? Merrick HW 3d, et al. **Gastroenterol Clin North Am** 1990 Dec;19(4):935–62 (114 ref.)

Conservative treatment of adenocarcinoma of the lower rectum. Elias EG, et al. **Md Med J** 1991 Feb;40(2):87–8 (21 ref.)

Current management of non-squamous carcinoma of the cervix. Gallup DG, et al. **Oncology (Williston Park)** 1989 May;3(5):95–102; discussion 104, 106 (40 ref.)

New concepts in the treatment of stage D1 adenocarcinoma of the prostate. Austenfeld MS, et al. **Urol Clin North Am** 1990 Nov;17(4):867–84 (87 ref.)

[Carcinoma of the pancreas—the palliative therapeutic possibilities outside of a radical surgical operation] Rougier F, et al. **Khirurgiia (Sofiia)** 1991;44(2):69–75 (50 ref.) **(Bul)**

[A new therapeutic concept in the treatment of metastatic cancers of the kidney: the TIL (tumor infiltrating lymphocytes)] Peyret C. **J Urol (Paris)** 1991;97(2):63–71 (38 ref.) (Eng. Abstr.) **(Fre)**

ADENOCARCINOMA, PAPILLARY

Sublingual papillary adenocarcinoma: a case report and review of the literature. Burgess RC, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):537–40 (18 ref.)

[Experience of the malignant complete intrathoracic goiter: discussion on 13 cases of Japan] Fukasawa T, et al. **Kyobu Geka** 1990 Aug;43(9):757–60 (25 ref.) (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

[A case of renal cell carcinoma with polymyositis] Kumasaka K, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1317–20 (12 ref.) (Eng. Abstr.) **(Jpn)**

SECONDARY

Early brain metastases in endometrial carcinoma. Kottke-Marchant K, et al. **Gynecol Oncol** 1991 Apr; 41(1):67–73 (29 ref.)

THERAPY

Management of early stage endometrial papillary adenocarcinoma. Ampil F, et al. **J La State Med Soc** 1991 Jan;143(1):22–7 (13 ref.)

ADENOCARCINOMA, RENAL CELL see **CARCINOMA, RENAL CELL**

ADENOFIBROMA

A review of the natural history of fibroadenomas. Smallwood JA. **Br J Clin Pract Symp Suppl** 1989 Nov;68:144–6; discussion 157–8 (9 ref.)

COMPLICATIONS

Eccrine syringofibroadenomatous hyperplasia in a patient with bullous pemphigoid: a case report and review of the literature. Nomura K, et al. **Dermatologica** 1991; 182(1):59–62 (14 ref.)

PATHOLOGY

Multiple, giant fibroadenoma. Musio F, et al. **Am Surg** 1991 Jul;57(7):438–41 (24 ref.)

[Breast fibroadenoma: the morphological characteristics, morphogenesis and prognosis] Dorosevich AE, et al. **Arkh Patol** 1991;53(5):74–7 (51 ref.) (Eng. Abstr.) **(Rus)**

ADENOHYPOPHYSIS see **PITUITARY GLAND, ANTERIOR**

ADENOIDECTOMY

Adenoidectomy in otitis media. A review. Sadé J, et al. **Ann Otol Rhinol Laryngol** 1991 Mar;100(3):226–31 (41 ref.)

Current concepts in pediatric adenotonsillar disease. Kearns DB, et al. **Ear Nose Throat J** 1991 Jan;70(1):15–9 (28 ref.)

Moderation of morbidity following tonsillectomy and adenoidectomy: a study of awareness under anesthesia. Wood WE, et al. **Int J Pediatr Otorhinolaryngol** 1990 Nov; 20(2):93–105 (15 ref.)

The indications for tonsillectomy and adenoidectomy. Reid JM, et al. **Otolaryngol Clin North Am** 1970 Jun;3(2):339–44 (13 ref.)

[Snoring and sleep-related respiratory disorders in children—clinical aspects, differential diagnoses and indications for adenotonsillectomy] Mayer-Brix J, et al. **Arch Otorhinolaryngol Suppl** 1991;1:79–114 (227 ref.) **(Ger)**

ADENOLYMPHOMA

Unilateral multicentric Warthin's tumors. Zappia JJ, et al. **J Otolaryngol** 1991 Apr;20(2):93–6 (16 ref.)

COMPLICATIONS

A pseudo-malignant Warthin's tumor presenting with facial nerve paralysis. O'Dwyer TP, et al. **J Otolaryngol** 1990 Oct;19(5):353–7 (16 ref.)

PATHOLOGY

Malignant adenolymphoma of the parotid gland: report of carcinomatous transformation. Onder T, et al. **J Laryngol Otol** 1990 Aug;104(8):656–61 (20 ref.)

Simultaneous occurrence of bilateral Warthin's tumors and pleomorphic adenoma in the parotid glands. Toida M, et al. **J Oral Maxillofac Surg** 1990 Oct;48(10):1109–13 (31 ref.)

RADIONUCLIDE IMAGING

Bilateral papillary cystadenoma lymphomatosum of the parotid gland without accumulation of technetium 99m pertechnetate: report of a case and review of the literature. Yoshimura Y, et al. **J Oral Maxillofac Surg** 1991 Apr; 49(4):401–4 (18 ref.)

THERAPY

Bilateral Warthin's tumors in a Chinese--literature review and case report. Yang CH, et al. **Chang Keng I Hsueh** 1990 Dec;13(4):322–35 (34 ref.)

ADENOMA

Tubulo-villous adenoma of the female genital tract: a case report and review of literature. Mortensen BB, et al. **Acta Obstet Gynecol Scand** 1991;70(2):161–3 (9 ref.)

Muir-Torre syndrome: a case report. Bisceglia M, et al. **Tumori** 1991 Jun 30;77(3):277–81 (38 ref.)

[Hurthle cell thyroid neoplasms] Blum A, et al. **Harefuah** 1990 Dec 16;119(12):451–2 (6 ref.) **(Heb)**

[Oncocytic cell tumor. Problems, diagnosis, therapy] Nieto Martín-Bejarano J, et al. **Arch Esp Urol** 1990 Sep; 43(7):723–7 (19 ref.) (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

The risk of liver neoplasia in relation to combined oral contraceptive use. Rosenberg L. **Contraception** 1991 Jun; 43(6):643–52 (17 ref.)

COMPLICATIONS

Mixed pituitary adenoma and gangliocytoma associated with acromegaly--case report. Asada H, et al. **Neurol Med Chir (Tokyo)** 1990 Aug;30(8):628–32 (23 ref.)

Management of Cushing's syndrome secondary to adrenal adenoma during pregnancy. Pricolo VE, et al. **Surgery** 1990 Dec;108(6):1072–7; discussion 1077–8 (28 ref.)

[Therapeutic problems caused by rupture of large hepatic adenoma with central location. Apropos of 3 cases] Leborgne J, et al. **Chirurgie** 1990;116(4–5):454–60 (32 ref.) (Eng. Abstr.) **(Fre)**

[Is total colonoscopy warranted in all patients with macroscopic hemorrhage per anum?] Bader JP. **Gastroenterol Clin Biol** 1991;15(3):183–6 (14 ref.) **(Fre)**

[Malignant nasal oncocytoma disclosed by mucocele of the lacrimal sac with hemolacrimia] Fayet B, et al. **J Fr Ophtalmol** 1990;13(3):153–8 (18 ref.) **(Fre)**

[Polyradiculoneuritis following lumbosacral zona with adrenal cortex adenoma] Ribot C, et al. **Rev Neurol (Paris)** 1991;147(2):164–6 (9 ref.) (Eng. Abstr.) **(Fre)**

[Pituitary apoplexy. 3 cases] Slimane H, et al. **Tunis Med** 1991 Jan;69(1):61–8 (22 ref.) (Eng. Abstr.) **(Fre)**

[A parathyroid cyst and an adenoma associated with primary hyperparathyroidism: report of a case] Inoue H, et al. **Hinyokika Kiyo** 1990 Oct;36(10):1197–202 (30 ref.) (Eng. Abstr.) **(Jpn)**

[Nephrogenic adenoma in urethral diverticulum in women] Pamplona M, et al. **Actas Urol Esp** 1990 Jul–Aug; 14(4):277–8 (19 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

A diagnostic expert system for colonic lesions. Graham AR, et al. **Am J Clin Pathol** 1990 Oct;94(4 Suppl 1):S15–8 (4 ref.)

Nonspecific magnetic resonance appearance of renal oncocytomas: report of 3 cases and review of the literature. Defossez SM, et al. **J Urol** 1991 Mar;145(3):552–4 (14 ref.)

Preventing colorectal cancer. Ferguson EF Jr, et al. **South Med J** 1990 Nov;83(11):1295–9 (57 ref.)

[Villous adenomas of the major duodenal papilla: apropos a case] Damianov D, et al. **Khirurgiia (Sofiia)** 1991; 44(2):27–31 (13 ref.) (Eng. Abstr.) **(Bul)**

[Erosive adenomatosis of the nipple. Report of 10 cases with immunohistochemistry] Moulin G, et al. **Ann Dermatol Venereol** 1990;117(8):537–45 (53 ref.) (Eng. Abstr.) **(Fre)**

[Comparative study of MRI and x-ray computed tomography in the preoperative evaluation of rectal carcinoma] Guinet C, et al. **J Radiol** 1990 May;71(5):357–63 (18 ref.) (Eng. Abstr.) **(Fre)**

[Solitary plasmacytoma simulating pituitary adenoma] Jacquet G, et al. **Neurochirurgie** 1991;37(1):67–71 (19 ref.) (Eng. Abstr.) **(Fre)**

[Hormone inactive hypophyseal tumors and anterior hypophyseal insufficiency] Kröhne HJ, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):119–23 (14 ref.) **(Ger)**

[Hürthle's tumors of the thyroid: a clinical case and review of the literature] Garavello A, et al. **G Chir** 1991 Jan–Feb; 12(1–2):37–40 (31 ref.) (Eng. Abstr.) **(Ita)**

[Diagnosis and differentiation of follicular neoplasms of the thyroid gland] Sporny S, et al. **Pol Tyg Lek** 1990 Jun 18–25; 45(25–26):525–9 (33 ref.) **(Pol)**

DRUG THERAPY

[Treatment of solitary toxic thyroid nodule with 131I: results in 43 patients] Marin JF, et al. **Med Clin (Barc)** 1991 May 18;96(19):730–2 (16 ref.) (Eng. Abstr.) **(Spa)**

EPIDEMIOLOGY

Colonic adenoma: natural history. Hoff G, et al. **Dig Dis** 1991;9(2):61–9 (55 ref.)

ETIOLOGY

Two unusual tumours of the gastrointestinal tract in a patient with tuberous sclerosis. Byard RW, et al. **J Paediatr Child Health** 1991 Apr;27(2):116–9 (20 ref.)

METABOLISM

Heterogeneity of growth hormone production in human pituitary tumour cells [comment] Davis JR. **Clin Endocrinol (Oxf)** 1991 Jan;34(1):3–4 (13 ref.) Comment on: Clin Endocrinol (Oxf) 1991 Jan;34(1):5–11.

PATHOLOGY

Rectal hyperplastic polyps: now you see them, now you don't--a differential point. Waye JD, et al. **Am J Gastroenterol** 1990 Dec;85(12):1557–9 (13 ref.)

Basaloid monomorphic adenomas. Batsakis JG, et al. **Ann Otol Rhinol Laryngol** 1991 Aug;100(8):687–90 (20 ref.)

Pleomorphic adenoma in the periphery of the lung. Report of a case and review of the literature. Sakamoto H, et al. **Arch Pathol Lab Med** 1991 Apr;115(4):393–6 (12 ref.)

Primary squamous cell carcinoma of the caecum. Wyatt MG, et al. **Eur J Surg Oncol** 1991 Aug;17(4):392–4 (18 ref.)

Depressed adenoma of the stomach. Conceptual review and study of five cases. Coma-del-Corral MJ, et al. **J Clin Gastroenterol** 1991 Jun;13(3):353–7 (21 ref.)

Troublesome tumours. 1: Adnexal tumours of the skin. Cotton D. **J Clin Pathol** 1991 Jul;44(7):543–8 (24 ref.)

Malignant transformation of a Hürthle cell tumor: case report and survey of the literature. McDonald RJ, et al. **J Nucl Med** 1991 Jun;32(6):1266–9 (38 ref.)

Jejunal carcinoma with adenoma--report of a case and review of the Japanese literature. Miyoshi Y, et al. **Jpn J Surg** 1990 Nov;20(6):711–4 (9 ref.)

A case of familial adenomatous polyposis complicated by thyroid carcinoma, carcinoma of the ampulla of vater and adrenocortical adenoma. Ono C, et al. **Jpn J Surg** 1991 Mar;21(2):234–40 (34 ref.)

Renal oncocytoma: report of two cases and review of literature. Shen CC, et al. **Kao Hsiung I Hsueh Ko Hsueh Tsa Chih** 1991 Aug; 7(8):435–42 (26 ref.)

Epithelial tumors of the lacrimal gland: clinico-pathologic correlation and management. Riedel KG, et al. **Neurosurg Rev** 1990;13(4):289–98 (37 ref.)

Renal oncocytoma harbouring metastatic lung carcinoma. Case report. Ben-Izhak O, et al. **Scand J Urol Nephrol** 1990;24(4):317–8 (9 ref.)

Adenomyoepithelioma of the breast. A case report. Accurso A, et al. **Tumori** 1990 Dec 31;76(6):606–10 (54 ref.)

Renal cell carcinoma vs. renal oncocytoma. Report of a case with overlap features and review of the literature [see comments] Lazzaro B, et al. **Urology** 1991 Jan;37(1):52–6 (20 ref.) Comment in: Urology 1991 Jun;37(6):602.

[Normal and tumorous human gonadotropic cells] Trouillas J, et al. **Ann Endocrinol (Paris)** 1990;51(2):54–64 (95 ref.) (Eng. Abstr.) **(Fre)**

[Benign adenoma of the middle ear] Thomassin JM, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(4):244–7 (6 ref.) (Eng. Abstr.) **(Fre)**

[Thyrolipoma. A case report and review of the literature] Haouet S, et al. **Arch Anat Cytol Pathol** 1990;38(5–6):230–2 (10 ref.) (Eng. Abstr.) **(Fre)**

[Adenomatoid tumor of the uterus: report of 3 cases] Tiszlavicz L. **Morphol Igazsagugyi Orv Sz** 1990 Jul; 30(3):196–201 (35 ref.) (Eng. Abstr.) **(Hun)**

[A case of nephrogenic adenoma in the female urethral diverticulum] Miyake O, et al. **Hinyokika Kiyo** 1990 Oct; 36(10):1189–92 (21 ref.) (Eng. Abstr.) **(Jpn)**

[Adrenal tumors associated with renal cell carcinoma] Ebina T, et al. **Nippon Jinzo Gakkai Shi** 1990 Jul;32(7):841–7 (24 ref.) (Eng. Abstr.) **(Jpn)**

[A heterotopic Brunner's adenoma in the stomach: a case report] Yasutake K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Jul;87(7):1551–5 (20 ref.) **(Jpn)**

[A case report of adjacent tumor of sphenoid ridge meningioma and GH producing pituitary adenoma] Uno M, et al. **No Shinkei Geka** 1991 Jun;19(6):583–7 (21 ref.) (Eng. Abstr.) **(Jpn)**

[Tubular apocrine adenoma. Description of 4 cases] Barnadas MA, et al. **Med Cutan Ibero Lat Am** 1990;18(1):35–9 (13 ref.) (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Intervention studies in adenoma patients. Armitage NC. **World J Surg** 1991 Jan–Feb;15(1):29–34 (62 ref.)

RADIOGRAPHY

[Diagnostic imaging and nosologic profile of liver adenoma and focal nodular hyperplasia] Giordano G, et al. **G Chir** 1988 Nov;9(11):783–7 (22 ref.) (Eng. Abstr.) **(Ita)**

[Renal oncocytoma. Presentation of a case and review of the literature] Mínguez Martínez R, et al. **Arch Esp Urol** 1990 Sep;43(7):729–33 (27 ref.) (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

A black adrenocortical adenoma causing Cushing's syndrome not imaged by radiocholesterol scintigraphy. Reschini E, et al. **Eur J Nucl Med** 1990;17(3–4):185–7 (15 ref.)

Thyroid cancer presenting as a hot thyroid nodule: report of a case and review of the literature. Rubenfeld S, et al. **Thyroidol Clin Exp** 1988 Apr;(1):63–8 (51 ref.)

SECRETION

Diagnosis and management of hormone-secreting pituitary adenomas. Klibanski A, et al. **N Engl J Med** 1991 Mar 21;324(12):822–31 (114 ref.)

A case of deoxycorticosterone-producing benign adrenocortical tumor. Saha PK, et al. **Urol Int** 1990; 45(6):367–9 (7 ref.)

[Gonadotropic adenoma. Clinical and hormonal characteristics] Fossati P, et al. **Ann Endocrinol (Paris)** 1990;51(2):89–96 (77 ref.) (Eng. Abstr.) **(Fre)**

[Hypophyseal tumors and diabetes mellitus. Hypothalamus-hypophyseal correlations and glucose metabolism] Blasi C, et al. **Minerva Endocrinol** 1990 Jul–Sep;15(3):163–8 (43 ref.) (Eng. Abstr.) **(Ita)**

SURGERY

Controversies, dilemmas, and dialogues. When is colonoscopic resection of an adenomatous polyp containing a "malignancy" sufficient? Waye JD, et al. **Am J Gastroenterol** 1990 Dec;85(12):1564–8 (33 ref.)

[Villous tumors of the rectum. 50 cases treated surgically] Gainant A, et al. **Chirurgie** 1990;116(4–5):429–34 (30 ref.) (Eng. Abstr.) **(Fre)**

[Neurosurgical therapy of hypophyseal adenomas] Besel R, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):141–5 (10 ref.) **(Ger)**

[Hürthle cell tumor of the thyroid: which surgical approach?] Favia G, et al. **G Chir** 1989 Apr;10(4):163–6 (19 ref.) (Eng. Abstr.) **(Ita)**

THERAPY

Pituitary tumors. Pfeffer MR, et al. **Curr Opin Oncol** 1990 Feb;2(1):73–8 (26 ref.)

Asymptomatic adrenal tumor; 386 cases in Japan including our 7 cases. Yamakita N, et al. **Endocrinol Jpn** 1990 Oct; 37(5):671–84 (15 ref.)

Renal oncocytoma: prognosis and treatment. Lieber MM. **Eur Urol** 1990;18 Suppl 2:17–21 (12 ref.)

The treatment of prolactin-secreting pituitary adenomas. An update. Limone P, et al. **Panminerva Med** 1990 Apr–Jun; 32(2):56–60 (32 ref.)

ADENOMA, EOSINOPHILIC

see related
ACROMEGALY
GIGANTISM

ADENOMA, PROLACTIN-SECRETING, PITUITARY see **PROLACTINOMA**

ADENOMATOSIS, FAMILIAL ENDOCRINE see **NEOPLASMS, MULTIPLE ENDOCRINE**

ADENOMYOSIS see **ENDOMETRIOSIS**

ADENOSINE

Adenosine. O'Rangers EA. **Conn Med** 1990 Nov;54(11):635–6 (14 ref.)

Adenosine. An evaluation of its use in cardiac diagnostic procedures, and in the treatment of paroxysmal supraventricular tachycardia. Faulds D, et al. **Drugs** 1991 Apr;41(4):596–624 (164 ref.)

ANALOGS & DERIVATIVES

New targets for cancer chemotherapy--poly(ADP-ribosylation) processing and polyisoprene metabolism. Alderson T. **Biol Rev Camb Philos Soc** 1990 Nov;65(4):623–41 (91 ref.)

Adenosine derivatives as agonists of adenosine receptors. Grifantini M, et al. **Farmaco** 1991 Jan;46(1 Suppl):161–9 (21 ref.)

DIAGNOSTIC USE

Adenosine in myocardial perfusion imaging using positron emission tomography. Gupta NC, et al. **Am Heart J** 1991 Jul;122(1 (Pt 1)):293–301; discussion 302–6 (15 ref.)

Single-photon emission computed tomographic thallium imaging with adenosine, dipyridamole, and exercise. Iskandrian AS. **Am Heart J** 1991 Jul;122(1 (Pt 1)):279–84; discussion 302–6 (10 ref.)

Adenosine thallium 201 myocardial perfusion scintigraphy. Verani MS. **Am Heart J** 1991 Jul;122(1 (Pt 1)):269–78; discussion 302–6 (23 ref.)

Pharmacological and other nonexercise alternatives to exercise testing to evaluate myocardial perfusion and left ventricular function with radionuclides. DePuey EG, et al. **Semin Nucl Med** 1991 Apr;21(2):92–101 (67 ref.)

METABOLISM

Neural release of ATP and adenosine. White TD, et al. **Ann N Y Acad Sci** 1990;603:287–98; discussion 298–9 (66 ref.)

Chronic ethanol-induced heterologous desensitization is mediated by changes in adenosine transport. Gordon AS, et al. **Biochem Soc Symp** 1990;56:117–36 (55 ref.)

Adenosine is a sensitive oxygen sensor in the heart. Schrader J, et al. **Experientia** 1990 Dec 1;46(11–12):1172–5 (16 ref.)

Is adenosine deaminase involved in adenosine transport? Centelles JJ, et al. **Med Hypotheses** 1990 Dec;33(4):245–50 (47 ref.)

Adenosine release by morphine and spinal antinociception: role of G-proteins and cyclic AMP. Sawynok J, et al. **NIDA Res Monogr** 1991;105:40–6 (22 ref.)

PHARMACOLOGY

A comparison of P1- and P2-purinoceptors. Paton DM, et al. **Ann N Y Acad Sci** 1990;603:165–71 (27 ref.)

Cardiac effects of adenosine and ATP. Pelleg A, et al. **Ann N Y Acad Sci** 1990;603:19–30 (95 ref.)

Prejunctional adenosine and ATP receptors. Silinsky EM, et al. **Ann N Y Acad Sci** 1990;603:324–33; discussion 333–4 (32 ref.)

Adenosine bronchoconstriction in asthma: investigations into its possible mechanism of action. Ng WH, et al. **Br J Clin Pharmacol** 1990;30 Suppl 1:89S–98S (56 ref.)

Adenosine derivatives as agonists of adenosine receptors. Grifantini M, et al. **Farmaco** 1991 Jan;46(1 Suppl):161–9 (21 ref.)

PHYSIOLOGY

Adenosine receptors. Roles and pharmacology. Bruns RF. **Ann N Y Acad Sci** 1990;603:211–25; discussion 225–6 (58 ref.)

The role of adenosine and adenosine transport in ethanol-induced cellular tolerance and dependence. Possible biologic and genetic markers of alcoholism. Diamond I, et al. **Ann N Y Acad Sci** 1991;625:473–87 (31 ref.)

Role of G proteins, cyclic AMP, and ion channels in the inhibition of transmitter release by adenosine. Fredholm BB, et al. **Ann N Y Acad Sci** 1990;604:276–88 (44 ref.)

Purine nucleosides and nucleotides as central nervous system modulators. Adenosine as the prototypic paracrine neuroactive substance. Williams M. **Ann N Y Acad Sci** 1990; 603:93–107 (122 ref.)

Adenosine: a physiological brake on renin release. Jackson EK. **Annu Rev Pharmacol Toxicol** 1991;31:1–35 (171 ref.)

Novel therapeutics acting via purine receptors. Jacobson KA, et al. **Biochem Pharmacol** 1991 May 15;41(10):1399–410 (69 ref.)

Cardiac electrophysiology of adenosine. Basic and clinical concepts. Lerman BB, et al. **Circulation** 1991 May; 83(5):1499–509 (102 ref.)

Adenosine and the control of adrenergic regulation of adipose tissue lipolysis during lactation. Vernon RG, et al. **J Dairy Sci** 1991 Feb;74(2):695–705 (62 ref.)

Adenosine mediates tubuloglomerular feedback response: an element of metabolic control of kidney function. Osswald H, et al. **Kidney Int Suppl** 1991 Jun;32:S128–31 (43 ref.)

Adenosine: its relevance to the treatment of brain ischemia and trauma. Marangos PJ, et al. **Prog Clin Biol Res** 1990; 361:331–49 (41 ref.)

The electrophysiology of adenosine in the mammalian central nervous system. Greene RW, et al. **Prog Neurobiol** 1991; 36(4):329–41 (93 ref.)

Prospective role for adenosine and adenosinergic systems in psychiatric disorders [editorial] Durcan MJ, et al. **Psychol Med** 1990 Aug;20(3):475–86 (190 ref.)

THERAPEUTIC USE

Adenosine for paroxysmal supraventricular tachycardia. DiPalma JR. **Am Fam Physician** 1991 Sep;44(3):929–31 (11 ref.)

[The value of adenosine in the treatment of supraventricular tachycardia] Smits P, et al. **Ned Tijdschr Geneeskd** 1990 Nov 24;134(47):2277–80 (27 ref.) **(Dut)**

ADENOSINE AMINOHYDROLASE see **ADENOSINE DEAMINASE**

ADENOSINE CYCLIC MONOPHOSPHATE

Cyclic nucleotide phosphodiesterases. Possible targets for new drugs. Polson JB. **J Fla Med Assoc** 1990 Dec; 77(12):1045–6 (7 ref.)

ANALOGS & DERIVATIVES

Role of site-selective cAMP analogs in the control and reversal of malignancy. Cho-Chung YS, et al. **Pharmacol Ther** 1991;50(1):1–33 (346 ref.)

METABOLISM

Interdependence of several heat shock gene activations, cyclic AMP decline and changes at the plasma membrane of Saccharomyces cerevisiae. Piper P. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):195–201 (29 ref.)

Activation of the cyclic AMP cascade as an oncogenic mechanism: the thyroid example. Maenhaut C, et al. **Biochimie** 1991 Jan;73(1):29–36 (63 ref.)

Cyclic AMP second messenger systems. McKnight GS. **Curr Opin Cell Biol** 1991 Apr;3(2):213–7 (30 ref.)

Interactions between second messengers: cyclic AMP and phospholipase A2- and phospholipase C-metabolites. Di Marzo V, et al. **Life Sci** 1991;49(4):247–59 (85 ref.)

Positive regulation of gene expression by cyclic AMP and its receptor protein in Escherichia coli. Busby S, et al. **Microbiol Sci** 1987 Dec;4(12):371–5 (33 ref.)

Cyclic nucleotide-dependent protein kinases. Scott JD. **Pharmacol Ther** 1991;50(1):123–45 (266 ref.)

[Alterations of the cAMP-adenylate cyclase system in the failing human heart. Consequences for the therapy with inotropic drugs] Böhm M, et al. **Klin Wochenschr** 1990 Sep 14;68(18):887–95 (67 ref.) (Eng. Abstr.) **(Ger)**

[Trend in the development of new inhibitors of cyclic nucleotide metabolism and their clinical application] Hidaka H, et al. **Nippon Rinsho** 1991 Apr;49(4):961–7 (13 ref.) **(Jpn)**

PHARMACOLOGY

Towards an understanding of the mechanism of action of cyclic AMP and cyclic GMP in smooth muscle relaxation. Lincoln TM, et al. **Blood Vessels** 1991;28(1–3):129–37 (37 ref.)

Chondrocyte mediated cartilage degradation: regulation by prostaglandin E2, cyclic AMP and interferon alpha. Steinberg JJ, et al. **J Rheumatol Suppl** 1991 Feb;27:63–5 (27 ref.)

Characteristics of the cAMP response unit. Montminy MR, et al. **Recent Prog Horm Res** 1990;46:219–29; discussion 29–30 (20 ref.)

PHYSIOLOGY

Structure and function of the protein CRE-BP1: heterogeneity of the protein that binds to the cAMP-responsive element. Ishii S, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:335–9 (20 ref.)

On the importance of cAMP and Ca++ in mandibular condylar growth and adaptation. Kantomaa T, et al. **Am J Orthod Dentofacial Orthop** 1991 May;99(5):418–26 (93 ref.)

Role of G proteins, cyclic AMP, and ion channels in the inhibition of transmitter release by adenosine. Fredholm BB, et al. **Ann N Y Acad Sci** 1990;604:276–88 (44 ref.)

Control of cAMP-induced gene expression by divergent signal transduction pathways. Peters DJ, et al. **Dev Genet** 1991;12(1–2):25–34 (86 ref.)

'Crosstalk': a pivotal role for protein kinase C in modulating relationships between signal transduction pathways. Houslay MD. **Eur J Biochem** 1991 Jan 1;195(1):9–27 (222 ref.)

Neuropeptides as cellular growth factors: role of multiple signalling pathways. Rozengurt E. **Eur J Clin Invest** 1991 Apr;21(2):123–34 (105 ref.)

Adenosine release by morphine and spinal antinociception: role of G-proteins and cyclic AMP. Sawynok J, et al. **NIDA Res Monogr** 1991;105:40–6 (22 ref.)

Cyclic AMP and mechanisms of vasodilation. Murray KJ. **Pharmacol Ther** 1990;47(3):329–45 (170 ref.)

[Molecular pharmacology of intracellular calcium signaling] Hidaka H, et al. **Seikagaku** 1990 Dec;62(12):1473–89 (65 ref.) **(Jpn)**

ADENOSINE CYCLIC 2',3'-MONOPHOSPHATE see **ADENOSINE CYCLIC MONOPHOSPHATE**

ADENOSINE CYCLIC 3',5'-MONOPHOSPHATE see **ADENOSINE CYCLIC MONOPHOSPHATE**

ADENOSINE DEAMINASE

ANALYSIS

[Diagnostic efficacy of adenosine deaminase (ADA) in tuberculous serositis] Martínez JM, et al. **Enferm Infecc Microbiol Clin** 1989 Jan;7(1):48–53 (26 ref.) **(Spa)**

BLOOD

[The usefulness and limitations of adenosine deaminase in the diagnosis of tubercular pleurisy. A meta-analytical study] Ena J, et al. **Med Clin (Barc)** 1990 Sep 22;95(9):333–5 (28 ref.) (Eng. Abstr.) **(Spa)**

DEFICIENCY

Adenosine deaminase deficiency. Hirschhorn R. **Immunodefic Rev** 1990;2(3):175–98 (189 ref.)

GENETICS

Acid phosphatase, adenosine deaminase and esterase D polymorphisms in the Spanish Basque population. Aguirre AI, et al. **Hum Hered** 1991;41(2):93–102 (50 ref.)

METABOLISM

Is adenosine deaminase involved in adenosine transport? Centelles JJ, et al. **Med Hypotheses** 1990 Dec;33(4):245–50 (47 ref.)

ADENOSINE DIPHOSPHATE RIBOSE

METABOLISM

Structural and functional characterization of ADP-ribosylation factors, 20 kDa guanine nucleotide-binding proteins that activate cholera toxin. Moss J, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:83–8 (19 ref.)

[ADP ribosylation of actin--a cytotoxic principle of bacterial toxins] Just I, et al. **Immun Infekt** 1991 Feb;19(1):18–21 (69 ref.) (Eng. Abstr.) **(Ger)**

ADENOSINE DIPHOSPHORIBOSE see **ADENOSINE DIPHOSPHATE RIBOSE**

ADENOSINE PHOSPHATES see **ADENINE NUCLEOTIDES**

ADENOSINE RECEPTORS see **RECEPTORS, PURINERGIC**

ADENOSINE TRIPHOSPHATASE

CHEMISTRY

The mechanochemistry of kinesin. A review. Cohn SA. **Mol Chem Neuropathol** 1990 Jan;12(1):83–94 (60 ref.)

GENETICS

The emerging kinesin family of microtubule motor proteins. Endow SA. **Trends Biochem Sci** 1991 Jun;16(6):221–5 (31 ref.)

METABOLISM

Structure and mechanism of FoF1-type ATP synthases and ATPases. Penefsky HS, et al. **Adv Enzymol Relat Areas Mol Biol** 1991;64:173–214 (153 ref.)

Liver plasma membrane ecto-ATPase. Purification, localization, cloning, and functions. Lin SH. **Ann N Y Acad Sci** 1990;603:394–9; discussion 399–400 (10 ref.)

A comparison of ectonucleotidase activities on vascular endothelial and smooth muscle cells. Slakey LL, et al. **Ann N Y Acad Sci** 1990;603:366–78; discussion 378–9 (18 ref.)

Primary ion pumps. Andersen JP, et al. **Curr Opin Cell Biol** 1990 Aug;2(4):722–30 (45 ref.)

Three proton-pumping ATPases in yeast. Goffeau A, et al. **Microbiol Sci** 1986 Jun;3(6):164–8 (25 ref.)

Interrelationship between glutamate and membrane-bound ATPases in nerve cells. Torgner I, et al. **Mol Chem Neuropathol** 1990 Jan;12(1):19–25 (28 ref.)

The partial reactions of the Na(+)- and Na(+) + K(+)-activated adenosine triphosphatases. Froehlich JP, et al. **Soc Gen Physiol Ser** 1991;46:227–47 (46 ref.)

PHYSIOLOGY

Bacterial periplasmic permeases belong to a family of transport proteins operating from Escherichia coli to human: Traffic ATPases. Ames GF, et al. **FEMS Microbiol Rev** 1990 Aug;6(4):429–46 (120 ref.)

Kinesin interactions with membrane bounded organelles in vivo and in vitro. Brady ST, et al. **J Cell Sci Suppl** 1991; 14:103–8 (35 ref.)

Pathophysiology of the renal tubular acidoses. Sabatini S, et al. **Semin Nephrol** 1991 Mar;11(2):202–11 (82 ref.)

Structure and pharmacology of the proton-ATPases. Nelson N. **Trends Pharmacol Sci** 1991 Feb;12(2):71–5 (34 ref.)

ADENOSINE TRIPHOSPHATASE, ACTOMYOSIN see **ADENOSINE TRIPHOSPHATASE, MYOSIN**

ADENOSINE TRIPHOSPHATASE, CALCIUM

BLOOD

Comparative properties of erythrocyte calcium-transporting enzyme in different mammalian species. Bababunmi EA, et al. **World Rev Nutr Diet** 1991;64:109–38 (83 ref.)

GENETICS

Recent advances in the molecular characterization of plasma membrane Ca2+ pumps. Strehler EE. **J Membr Biol** 1991 Feb;120(1):1–15 (104 ref.)

METABOLISM

The calcium pumping ATPase of the plasma membrane. Carafoli E. **Annu Rev Physiol** 1991;53:531–47 (146 ref.)

Molecular tools to elucidate problems in

excitation–contraction coupling. MacLennan DH. **Biophys J** 1990 Dec;58(6):1355–65 (71 ref.)

Plasma membrane Ca2+ pumps and Na+/Ca2+ exchangers. Strehler EE. **Semin Cell Biol** 1990 Aug; 1(4):283–95 (104 ref.)

[Studies on plasmalemmal Ca(2+)-pump ATPase--for a better understanding of the mechanisms of relaxation of smooth muscle] Imai S. **Nippon Yakurigaku Zasshi** 1991 Jun;97(6):307–18 (46 ref.) (Eng. Abstr.) **(Jpn)**

ADENOSINE TRIPHOSPHATASE F1 see **H(+)-TRANSPORTING ATPASE**

ADENOSINE TRIPHOSPHATASE, MAGNESIUM

METABOLISM

Dynamin: a microtubule-associated GTP-binding protein. Obar RA, et al. **J Cell Sci Suppl** 1991;14:143–5 (22 ref.)

ADENOSINE TRIPHOSPHATASE, MYOSIN

GENETICS

Biological signals of cardiac hypertrophy. Samuel JL, et al. **Eur Heart J** 1990 Nov;11 Suppl G:1–7 (60 ref.)

METABOLISM

Kinetic analysis of regulated myosin ATPase activity using single and limited turnover assays. Ankrett RJ, et al. **J Cell Sci Suppl** 1991;14:1–5 (14 ref.)

[Changes in ventricular myocardial myosin ATPase isoenzymes in physiological and pathological conditions] Chen Y, et al. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan; 22(1):80–3 (34 ref.) **(Chi)**

[Myosin polymorphism and exercise adaptation] Wang J, et al. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):51–4 (33 ref.) **(Chi)**

ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM

ANALYSIS

Overview: subunit diversity in the Na,K-ATPase. Sweadner KJ. **Soc Gen Physiol Ser** 1991;46:63–76 (63 ref.)

ANTAGONISTS & INHIBITORS

Endogenous natriuretic and ouabain-like factors. Their roles in body fluid volume and blood pressure regulation. Kramer HJ, et al. **Am J Hypertens** 1991 Jan;4(1 Pt 1):81–9 (49 ref.)

Digitalislike circulating factor in hypertension: potential messenger between salt balance and intracellular sodium. Haddy FJ. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:343–9 (65 ref.)

Endogenous digitalis-like factors: their possible pathophysiological implications with particular regard to the perinatal period. Biver P, et al. **Child Nephrol Urol** 1990;10(3):164–80 (195 ref.)

Gastric H+,K(+)-ATPase as a therapeutic target in peptic ulcer disease. Sachs G, et al. **Dig Dis Sci** 1990 Dec; 35(12):1537–44 (33 ref.)

Kidney, salt intake, and Na+,K(+)-ATPase inhibitors in hypertension. 1990 Corcoran Lecture. de Wardener HE. **Hypertension** 1991 Jun;17(6 Pt 2):830–6 (86 ref.)

Endogenous digitalis: reality or myth? Goto A, et al. **Life Sci** 1991;48(22):2109–18 (83 ref.)

Endogenous digitalis-like factors. Schoner W. **Trends Pharmacol Sci** 1991 Jun;12(6):209–11 (25 ref.)

[Arguments for the existence of an endogenous inhibitor of renal Na-K ATPase with steroid structure and natriuretic action] Krzesinski JM, et al. **Arch Mal Coeur** 1990 Jul; 83(8):1229–31 (13 ref.) (Eng. Abstr.) **(Fre)**

[Endogenous natriuretic and ouabain-like factors. Their potential role in volume and blood pressure regulation] Kramer HJ, et al. **Klin Wochenschr** 1990 Nov 16; 68(22):1112–8 (47 ref.) (Eng. Abstr.) **(Ger)**

[Endogenous digoxin-like immunoreactive factor] Rispler S, et al. **Harefuah** 1990 Jul;119(1–2):36–8 (46 ref.) **(Heb)**

[Endogenous digitalis] Ortega M, et al. **An Med Interna** 1991 Feb;8(2):89–93 (31 ref.) (Eng. Abstr.) **(Spa)**

CHEMISTRY

Conformational transitions in the alpha-subunit and ion occlusion. Jørgensen PL. **Soc Gen Physiol Ser** 1991; 46:189–200 (25 ref.)

Architecture of the sodium pump molecule: probing the folding of the hydrophobic domain. Modyanov N, et al. **Soc Gen Physiol Ser** 1991;46:99–115 (50 ref.)

[Concepts of the oligomeric structure and function of Na, K-ATPase based on the results of studying ligand binding and of determining the size of the molecular target] Norby JG. **Biol Nauki** 1990;(6):120–31 (45 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Posttranslational modifications and intracellular transport of sodium pumps: importance of subunit assembly. Geering K. **Soc Gen Physiol Ser** 1991;46:31–43 (49 ref.)

Regulation of the alpha-subunit genes of the Na,K-ATPase and determinants of cardiac glycoside sensitivity. Lingrel JB, et al. **Soc Gen Physiol Ser** 1991;46:1–16 (42 ref.)

METABOLISM

Structure-function relationship of Na,K-ATPase. Horisberger JD, et al. **Annu Rev Physiol** 1991;53:565–84 (85 ref.)

Functional reconstitution of the sodium pump. Kinetics of exchange reactions performed by reconstituted Na/K-ATPase. Cornelius F. **Biochim Biophys Acta** 1991 Mar 7;1071(1):19–66 (358 ref.)

The functional role of the beta-subunit in the maturation and intracellular transport of Na,K-ATPase. Geering K. **FEBS Lett** 1991 Jul 22;285(2):189–93 (66 ref.)

Energetics and the design principles of the Na/K-ATPase. Stein WD. **J Theor Biol** 1990 Nov 21;147(2):145–59 (23 ref.)

Digitalis sensitivity of Na+,K(+)-ATPase, myocytes and the heart. Akera T, et al. **Life Sci** 1991;48(2):97–106 (39 ref.)

Studies of terminal differentiation of electrolyte transport in the renal proximal tubule using short-term primary cultures. Larsson SH, et al. **Pediatr Nephrol** 1989 Jul; 3(3):363–8 (45 ref.)

The kinetics of uncoupled fluxes in reconstituted vesicles. Cornelius F. **Soc Gen Physiol Ser** 1991;46:267–80 (21 ref.)

The partial reactions of the Na(+)- and Na(+) + K(+)-activated adenosine triphosphatases. Froehlich JP, et al. **Soc Gen Physiol Ser** 1991;46:227–47 (46 ref.)

Localization of ligand binding from studies of chemical modification. Kaplan JH. **Soc Gen Physiol Ser** 1991; 46:117–28 (34 ref.)

Structure of the cation binding sites of Na/K-ATPase. Karlish SJ, et al. **Soc Gen Physiol Ser** 1991;46:129–41 (34 ref.)

PHYSIOLOGY

Pathophysiology of the renal tubular acidoses. Sabatini S, et al. **Semin Nephrol** 1991 Mar;11(2):202–11 (82 ref.)

Proton transport, charge transfer, and variable stoichiometry of the Na,K-ATPase. Blostein R, et al. **Soc Gen Physiol Ser** 1991;46:289–301 (26 ref.)

A cell biologist's perspective on sites of Na,K-ATPase regulation. Fambrough DM, et al. **Soc Gen Physiol Ser** 1991;46:17–30 (27 ref.)

The red cell Na/K pump reaction cycle: ligand signal sites and Na coupled anion transport. Hoffman JF, et al. **Soc Gen Physiol Ser** 1991;46:281–8 (24 ref.)

Kinetic basis of voltage dependence of the Na,K-pump. Läuger P. **Soc Gen Physiol Ser** 1991;46:303–15 (19 ref.)

Role of the membrane-cytoskeleton in the spatial organization of the Na,K-ATPase in polarized epithelial cells. Nelson WJ, et al. **Soc Gen Physiol Ser** 1991;46:77–87 (26 ref.)

Functional significance of the oligomeric structure of the Na,K-pump from radiation inactivation and ligand binding. Nørby JG, et al. **Soc Gen Physiol Ser** 1991;46:173–88 (47 ref.)

Stoichiometry and voltage dependence of the Na+/K+ pump in squid giant axons and Xenopus oocytes. Rakowski RF. **Soc Gen Physiol Ser** 1991;46:339–53 (25 ref.)

Variations in voltage-dependent stimulation of the Na+/K+ pump in Xenopus oocytes by external potassium. Schwarz W, et al. **Soc Gen Physiol Ser** 1991;46:327–38 (30 ref.)

ULTRASTRUCTURE

Two-dimensional crystals and three-dimensional structure of Na,K-ATPase analyzed by electron microscopy. Maunsbach AB, et al. **Soc Gen Physiol Ser** 1991;46:159–72 (47 ref.)

ADENOSINE TRIPHOSPHATE

ANALOGS & DERIVATIVES

P2-purinoceptor antagonists. Fedan JS, et al. **Ann N Y Acad Sci** 1990;603:182–96; discussion 196–7 (60 ref.)

Biochemical properties of a P2Y-purinergic receptor. Harden TK, et al. **Ann N Y Acad Sci** 1990;603:256–66 (37 ref.)

Effects of extracellular ATP on the release of vasoactive mediators from endothelium. Pearson JD, et al. **Ann N Y Acad Sci** 1990;603:267–73; discussion 273–4 (26 ref.)

ATP as a cotransmitter. Westfall DP, et al. **Ann N Y Acad Sci** 1990;603:300–10 (83 ref.)

BIOSYNTHESIS

Mitochondrial oxidations and ATP synthesis in muscle. Sherratt HS, et al. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):523–60 (63 ref.)

[Hypoxia and ATP synthesizing system] Kagawa Y. **Kokyu To Junkan** 1990 Oct;38(10):942–9 (27 ref.) **(Jpn)**

CHEMISTRY

Structural and chemical properties of ATP and its metal complexes in solution. Cohn M. **Ann N Y Acad Sci** 1990; 603:151–64 (55 ref.)

Hydrolysis of ATP by F1 can be described only on the basis of a dual-site mechanism. Berden JA, et al. **Biochim Biophys Acta** 1991 Mar 29;1057(2):151–6 (42 ref.)

METABOLISM

Actin polymerization and ATP hydrolysis. Carlier MF. **Adv Biophys** 1990;26:51–73 (107 ref.)

Extracellular ATP metabolism in B and T lymphocytes. Barankiewicz J, et al. **Ann N Y Acad Sci** 1990;603:380–92; discussion 393 (65 ref.)

Overview. Purinergic mechanisms. Burnstock G. **Ann N Y Acad Sci** 1990;603:1–17; discussion 18 (145 ref.)

Regulation of ATP hydrolysis by caldesmon. A novel change in the interaction of myosin with actin. Chalovich JM, et al. **Ann N Y Acad Sci** 1990;599:85–99 (74 ref.)

Release of ATP from heart. Presentation of a release model using human erythrocyte. Forrester T. **Ann N Y Acad Sci** 1990;603:335–51; discussion 351–2 (55 ref.)

ATP compartmentation in neuroendocrine secretory vesicles. Unsworth CD, et al. **Ann N Y Acad Sci** 1990;603:353–63; discussion 364–5 (31 ref.)

Neural release of ATP and adenosine. White TD, et al. **Ann N Y Acad Sci** 1990;603:287–98; discussion 298–9 (66 ref.)

Nucleotide hydrolysis in cytoskeletal assembly. Carlier MF. **Curr Opin Cell Biol** 1991 Feb;3(1):12–7 (49 ref.)

Comparative imaging of structure and metabolites in tumours. Mueller-Klieser W, et al. **Int J Radiat Biol** 1991 Jul-Aug;60(1–2):147–59 (40 ref.)

Human plasma gelsolin binds adenosine triphosphate. Yamamoto H, et al. **J Biochem (Tokyo)** 1990 Oct; 108(4):505–6 (21 ref.)

Microbiological applications of NMR spectroscopy. Part 1. Baxter RL. **Microbiol Sci** 1985 Jul;2(7):203–6, 211 (17 ref.)

Localization of ligand binding from studies of chemical modification. Kaplan JH. **Soc Gen Physiol Ser** 1991; 46:117–28 (34 ref.)

The P-loop--a common motif in ATP- and GTP-binding proteins. Saraste M, et al. **Trends Biochem Sci** 1990 Nov; 15(11):430–4 (31 ref.)

PHARMACOLOGY

Subtypes of P2-purinoceptors. Studies using analogues of ATP. Cusack NJ, et al. **Ann N Y Acad Sci** 1990;603:172–81 (40 ref.)

Effects of extracellular ATP on phosphatidylcholine phospholipase signaling systems. Exton JH. **Ann N Y Acad Sci** 1990;603:246–54; discussion 254–5 (33 ref.)

P2-purinoceptor antagonists. Fedan JS, et al. **Ann N Y Acad Sci** 1990;603:182–96; discussion 196–7 (60 ref.)

Biochemical properties of a P2Y-purinergic receptor. Harden TK, et al. **Ann N Y Acad Sci** 1990;603:256–66 (37 ref.)

Effects of extracellular ATP on the release of vasoactive mediators from endothelium. Pearson JD, et al. **Ann N Y Acad Sci** 1990;603:267–73; discussion 273–4 (26 ref.)

Cardiac effects of adenosine and ATP. Pelleg A, et al. **Ann N Y Acad Sci** 1990;603:19–30 (95 ref.)

Prejunctional adenosine and ATP receptors. Silinsky EM, et al. **Ann N Y Acad Sci** 1990;603:324–33; discussion 333–4 (32 ref.)

Elevation of [Ca2+]i and the activation of ion channels and fluxes by extracellular ATP and phospholipase C-linked agonists in rat parotid acinar cells. Soltoff SP, et al. **Ann N Y Acad Sci** 1990;603:76–90; discussion 91–2 (38 ref.)

Effects of extracellular ATP on mononuclear phagocytes. Steinberg TH, et al. **Ann N Y Acad Sci** 1990;603:120–9 (26 ref.)

ATP-activated channels in excitable cells. Bean BP, et al. **Ion Channels** 1990;2:169–203 (92 ref.)

Cell surface ATP (P2y) purinoceptors trigger and modulate multiple calcium fluxes in skeletal muscle cells. Häggblad J, et al. **Prog Brain Res** 1990;84:111–6 (18 ref.)

PHYSIOLOGY

Adenosine receptors. Roles and pharmacology. Bruns RF. **Ann N Y Acad Sci** 1990;603:211–25; discussion 225–6 (58 ref.)

Dual control of local blood flow by purines. Burnstock G. **Ann N Y Acad Sci** 1990;603:31–44; discussion 44–5 (140 ref.)

The effects of ATP on endothelium. Gordon JL. **Ann N Y Acad Sci** 1990;603:46–51; discussion 51–2 (34 ref.)

Characteristics of receptor-operated and membrane potential-dependent ATP secretion from adrenal medullary chromaffin cells. Rojas E, et al. **Ann N Y Acad Sci** 1990; 603:311–22; discussion 322–3 (22 ref.)

ATP as a cotransmitter. Westfall DP, et al. **Ann N Y Acad Sci** 1990;603:300–10 (83 ref.)

Purine nucleosides and nucleotides as central nervous system modulators. Adenosine as the prototypic paracrine neuroactive substance. Williams M. **Ann N Y Acad Sci** 1990; 603:93–107 (122 ref.)

Roles of P2-purinoceptors in the cardiovascular system. Ralevic V, et al. **Circulation** 1991 Jul;84(1):1–14 (167 ref.)

Cell-mediated cytotoxicity: ATP as an effector and the role of target cells. Steinberg TH, et al. **Curr Opin Immunol**

1991 Feb;3(1):71–5 (39 ref.)
Extracellular ATP as a possible mediator of cell–mediated cytotoxicity. Di Virgilio F, et al. **Immunol Today** 1990 Aug; 11(8):274–7 (29 ref.)
Intracellular ATP and cardiac membrane currents. Noma A, et al. **Ion Channels** 1988;1:183–212 (133 ref.)
Calcium inhibition of ATP–dependent inactivation of rod disk phosphodiesterase in isolated rods and membrane suspensions. Pugh EN Jr, et al. **Neurosci Res Suppl** 1990; 12:S183–90 (23 ref.)
The role of ATP as the energy source for maltose transport in Escherichia coli. Dean DA, et al. **Res Microbiol** 1990 Mar–Apr;141(3):348–52 (16 ref.)
The role of ATP in binding–protein–dependent transport systems. Higgins CF. **Res Microbiol** 1990 Mar–Apr; 141(3):353–60 (46 ref.)
ATP–dependent proteases in prokaryotic and eukaryotic cells. Goldberg AL. **Semin Cell Biol** 1990 Dec;1(6):423–32 (67 ref.)

THERAPEUTIC USE

Use of ATP following shock and ischemia. Chaudry IH. **Ann N Y Acad Sci** 1990;603:130–40; discussion 140–1 (53 ref.)

ADENOSIS OF BREAST see **FIBROCYSTIC DISEASE OF BREAST**

S–ADENOSYLMETHIONINE

METABOLISM

Biochemistry and pharmacology of S–adenosyl–L–methionine and rationale for its use in liver disease. Chawla RK, et al. **Drugs** 1990;40 Suppl 3:98–110 (97 ref.)
Metabolism of exogenous S–adenosyl–L–methionine in patients with liver disease. Kaye GL, et al. **Drugs** 1990;40 Suppl 3:124–8 (25 ref.)
Mechanisms and consequences of the impaired trans–sulphuration pathway in liver disease: Part I. Biochemical implications. Mato JM, et al. **Drugs** 1990;40 Suppl 3:58–64 (34 ref.)
[Dietary factors in the pathogenesis of alcoholic cirrhosis: what's new? [editorial] Naveau S, et al. **Gastroenterol Clin Biol** 1990;14(10):695–7 (23 ref.) **(Fre)**

THERAPEUTIC USE

Role of S–adenosyl–L–methionine in the treatment of intrahepatic cholestasis. Almasio P, et al. **Drugs** 1990;40 Suppl 3:111–23 (54 ref.)

S–ADENOSYLMETHIONINE DECARBOXYLASE

METABOLISM

Polyamine–mediated control of ornithine decarboxylase and S–adenosylmethionine decarboxylase expression in mammalian cells. Heby O, et al. **Biochem Soc Trans** 1990 Dec;18(6):1084–7 (39 ref.)

S–ADENOSYLMETHIONINE SYNTHETASE see **METHIONINE ADENOSYLTRANSFERASE**

ADENOVIRIDAE

GENETICS

Malignant transformation of cells by DNA viruses: adenovirus DNA integration in the mammalian genome. Doerfler W. **Crit Rev Oncog** 1989;1(2):211–9 (55 ref.)

ADENOVIRUS INFECTIONS

Enteric adenoviruses. Uhnoo I, et al. **Baillieres Clin Gastroenterol** 1990 Sep;4(3):627–42 (81 ref.)

ADENOVIRUS INFECTIONS, HUMAN

PHYSIOPATHOLOGY

Neonatal adenovirus infection: four patients and review of the literature. Abzug MJ, et al. **Pediatrics** 1991 Jun; 87(6):890–6 (48 ref.)

ADENOVIRUSES, HUMAN

GENETICS

Abortive infection and malignant transformation by adenoviruses: integration of viral DNA and control of viral gene expression by specific patterns of DNA methylation. Doerfler W. **Adv Virus Res** 1991;39:89–128 (117 ref.)
Expression and interactions of human adenovirus oncoproteins. Boulanger PA, et al. **Biochem J** 1991 Apr 15;275 (Pt 2):281–99 (340 ref.)
E1a revisited: the case for multiple cooperative trans–activation domains. Braithwaite AW, et al. **New Biol** 1991 Jan;3(1):18–26 (63 ref.)
Region E3 of adenovirus: a cassette of genes involved in host immunosurveillance and virus–cell interactions. Wold WS, et al. **Virology** 1991 Sep;184(1):1–8 (70 ref.)

PHYSIOLOGY

Transformation by the human adenoviruses. Jones NC. **Semin Cancer Biol** 1990 Dec;1(6):425–35 (88 ref.)

ADENYL CYCLASE

METABOLISM

Adenylate cyclase system of differentiating erythroid cells. Setchenska MS. **Acta Physiol Pharmacol Bulg** 1990; 16(2):3–10 (30 ref.)
Regulation of adenylyl cyclase by G proteins. Gilman AG. **Adv Second Messenger Phosphoprotein Res** 1990;24:51–7 (36 ref.)
Adrenergic receptor responsiveness and congestive heart failure. Stiles GL. **Am J Cardiol** 1991 May 6; 67(12):13C–17C (19 ref.)
5–HT receptors linked to adenylyl cyclase activity in mammalian brain. Yocca FD, et al. **Ann N Y Acad Sci** 1990;600:212–23 (59 ref.)
Supersensitivity of the adenylyl cyclase system in acute myocardial ischemia: evaluation of three independent mechanisms. Strasser RH, et al. **Basic Res Cardiol** 1990;85 Suppl 1:67–78 (73 ref.)
Gi–2 is at the centre of an active phosphorylation/dephosphorylation cycle in hepatocytes: the fine–tuning of stimulatory and inhibitory inputs into adenylate cyclase in normal and diabetic states. Houslay MD. **Cell Signal** 1991;3(1):1–9 (64 ref.)
In vitro effects of 17 beta–oestradiol on the sensitivity of receptors coupled to adenylate cyclase on striatal neurons in primary culture. Maus M, et al. **Ciba Found Symp** 1990; 153:145–53; discussion 153–5 (27 ref.)
Transmembrane signalling to adenylate cyclase in mammalian cells and in Saccharomyces cerevisiae. Levitzki A. **Trends Biochem Sci** 1988 Aug;13(8):298–301 (29 ref.)
[Alterations of the cAMP–adenylate cyclase system in the failing human heart. Consequences for the therapy with inotropic drugs] Böhm M, et al. **Klin Wochenschr** 1990 Sep 14;68(18):887–95 (67 ref.) (Eng. Abstr.) **(Ger)**
[Alterations in myocardial adrenoceptor transduction systems in health and disease] Tobise K, et al. **Kokyu To Junkan** 1991 Apr;39(4):311–9 (51 ref.) **(Jpn)**
[Adenylate cyclase and adrenoreceptors in the myometrium] Shlykov SG. **Ukr Biokhim Zh** 1990 Jul–Aug;62(4):3–14 (62 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Membrane IgE and adenyl cyclase activity in the dynamics of bronchospasm. Ketotifen as a blocker of antigen action. Oehling A, et al. **Allergol Immunopathol (Madr)** 1990 Jul–Aug;18(4):237–40 (15 ref.)
On the role of adenylate cyclase in presynaptic modulation of neurotransmitter release mediated by monoamine and opioid receptors in the brain. Mulder AH, et al. **Ann N Y Acad Sci** 1990;604:237–49 (60 ref.)
Profilin, a weak CAP for actin and RAS. Goldschmidt–Clermont PJ, et al. **Cell** 1991 Aug 9; 66(3):419–21 (23 ref.)
Beta–adrenoceptor––G–protein––adenylyl cyclase system in cardiac disease: a new insight into desensitization. Fu LX, et al. **Clin Physiol** 1991 Jan;11(1):1–7 (25 ref.)
The role of the adenylyl cyclase system in the regulation of corpus luteum function in the human and in nonhuman primates. Rojas FJ, et al. **Steroids** 1991 May;56(5):252–7 (28 ref.)

ADENYLATE CYCLASE see **ADENYL CYCLASE**

ADENYLATE KINASE

CHEMISTRY

Mechanism of adenylate kinase: site–directed mutagenesis versus X–ray and NMR. Tsai MD, et al. **Biochemistry** 1991 Jul 16;30(28):6806–18 (83 ref.)

ADENYLATE PHOSPHATASE see **5'–NUCLEOTIDASE**

ADENYLPYROPHOSPHATE see **ADENOSINE TRIPHOSPHATE**

ADHESION, BACTERIAL see **BACTERIAL ADHESION**

ADHESIONS

PREVENTION & CONTROL

Prevention of postoperative intra–abdominal adhesions. Tulandi T. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):287–90 (14 ref.)

ADHESIVENESS

see related
PLATELET ADHESIVENESS

ADHESIVES

Current status of adhesive resin systems. Barkmeier WW, et al. **J Am Coll Dent** 1991 Summer;58(2):36–9 (29 ref.)

ANALYSIS

Mucilaginous plants and their uses in medicine. Morton JF. **J Ethnopharmacol** 1990 Jul;29(3):245–66 (92 ref.)

CHEMISTRY

The phylogeny and chemical diversity of quinone–tanned glues and varnishes. Waite JH. **Comp Biochem Physiol [B]** 1990;97(1):19–29 (111 ref.)
[6 dentin adhesive products subjected to controls in vitro] Neroni M, et al. **J Biol Buccale** 1990 Dec;18(4):271–85 (47 ref.) (Eng. Abstr.) **(Fre)**

STANDARDS

Denture adhesives. Choosing the right powders and pastes. Shay K. **J Am Dent Assoc** 1991 Jan;122(1):70–6 (53 ref.)

THERAPEUTIC USE

[Adhesive agents for improving the fixation of and accelerated adaptation to removable dentures] Urazaeva NN. **Stomatologiia (Mosk)** 1991 Jan–Feb;70(1):73–5 (33 ref.) **(Rus)**

ADIE'S SYNDROME

DIAGNOSIS

[Iridoplegia–areflexia syndrome (Weill/Reys–Holmes–Adie), symptoms and etiology as persistent herpes simplex virus infection] Richwien R. **Fortschr Neurol Psychiatr** 1990 Oct; 58(10):375–9 (26 ref.) (Eng. Abstr.) **(Ger)**

ADIPOCERE see **POSTMORTEM CHANGES**

ADIPOSE TISSUE

see related
BROWN FAT

Variability in the measures of body fat. Assumptions or technique? Martin AD, et al. **Sports Med** 1991 May; 11(5):277–88 (41 ref.)
[Tumors of the adipose tissue during 10 years of diagnostic activities (1979–1988)] Grandi E, et al. **Pathologica** 1990 May–Jun;82(1079):217–56 (64 ref.) (Eng. Abstr.) **(Ita)**
[Venous stasis and panniculopathy: a semiologic study] Fernández G, et al. **Angiologia** 1990 Jul–Aug;42(4):127–32 (48 ref.) (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Visceral fat accumulation: the missing link between psychosocial factors and cardiovascular disease? Björntorp P. **J Intern Med** 1991 Sep;230(3):195–201 (28 ref.)

CHEMISTRY

Organochlorine pesticides and polychlorinated biphenyls in human adipose tissue. Kutz FW, et al. **Rev Environ Contam Toxicol** 1991;120:1–82 (153 ref.)

CYTOLOGY

The adipocyte: relationships between proliferation and adipose cell differentiation. Ailhaud G, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S57–9 (32 ref.)
Cellular effects of growth hormone on adipocytes. Goodman HM, et al. **Chin J Physiol** 1991;34(1):27–44 (27 ref.)
Extracellular factors, signalling pathways and differentiation of adipose precursor cells. Ailhaud G. **Curr Opin Cell Biol** 1990 Dec;2(6):1043–9 (6 ref.)
Nature and nurture in adipocyte development and growth. Lau DC. **Int J Obes** 1990;14 Suppl 3:153–7 (21 ref.)
CCAAT–enhancer binding protein: a component of a differentiation switch. Umek RM, et al. **Science** 1991 Jan 18;251(4991):288–92 (37 ref.)

ENZYMOLOGY

Cellular and secreted lipoprotein lipase revisited. Ailhaud G. **Clin Biochem** 1990 Oct;23(5):343–7 (31 ref.)
Hormone sensitive phosphodiesterase of liver and adipose tissue. Loten EG. **Int J Biochem** 1991;23(7–8):649–55 (72 ref.)
[Hormonal regulation of lipoprotein lipase activity] Piskorska D, et al. **Przegl Lek** 1990;47(11):760–2 (43 ref.) **(Pol)**

GROWTH & DEVELOPMENT

Adipose cellularity in Gallus domesticus: investigations to control body composition in growing chickens. Cartwright AL. **J Nutr** 1991 Sep;121(9):1486–97 (101 ref.)

METABOLISM

Binding of apolipoproteins A to adipose cells: role of receptor sites in cholesterol efflux and purification of binding protein(s). Barbaras R, et al. **Adv Exp Med Biol** 1991; 285:85–92 (28 ref.)
Insulin receptor binding and action in human adipocytes. A critical approach to methods, correlations with receptor binding to other cell types, and relations between insulin binding and action. Hjøllund E. **Dan Med Bull** 1991 Jun; 38(3):252–70 (152 ref.)

Prostaglandins in adipose tissue--with special reference to triglyceride metabolism. Richelsen B. **Dan Med Bull** 1991 Jun;38(3):228–44 (198 ref.)
Regulation of adipose tissue metabolism in support of lactation. McNamara JP. **J Dairy Sci** 1991 Feb;74(2):706–19 (84 ref.)
Adenosine and the control of adrenergic regulation of adipose tissue lipolysis during lactation. Vernon RG, et al. **J Dairy Sci** 1991 Feb;74(2):695–705 (62 ref.)
Altered Ca2+ homeostasis and functional correlates in hepatocytes and adipocytes in endotoxemia and sepsis. Spitzer JA. **J Trauma** 1990 Dec;30(12 Suppl):S192–7 (48 ref.)
Fat oxidation and diabetes of obesity: the Randle hypothesis revisited. Elks ML. **Med Hypotheses** 1990 Dec;33(4):257–60 (32 ref.)
Catabolic illness. Strategies for enhancing recovery. Wilmore DW. **N Engl J Med** 1991 Sep 5;325(10):695–702 (56 ref.)
Dietary fat alters adipocyte membrane lipid composition and cell functions in diabetic and control rats. **Nutr Rev** 1991 Mar;49(3):82–4 (5 ref.)
The metabolic basis for the "apple" and the "pear" body habitus. **Nutr Rev** 1991 Mar;49(3):84–6 (6 ref.)
Adipose tissue metabolism can now be directly studied in vivo. Watford M, et al. **Trends Biochem Sci** 1991 Jun; 16(6):201–2 (31 ref.)
[Obesity at the cellular level] Björntorp P. **Nord Med** 1991; 106(6–7):191–4 (14 ref.) (Eng. Abstr.) **(Swe)**

PATHOLOGY

Abnormalities of adipose cells in massive obesity. Roncari DA. **Int J Obes** 1990;14 Suppl 3:187–92 (15 ref.)
[A case of severe infantile form of congenital nemaline myopathy with extensive fatty replacement of the skeletal muscles] Shimizu J, et al. **Rinsho Shinkeigaku** 1990 Oct; 30(10):1123–7 (25 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Actions of growth hormone on adipose tissue: possible involvement of autocrine or paracrine factors. Goodman HM, et al. **Acta Paediatr Scand Suppl** 1990;367:132–6 (38 ref.)
The right weight: body fat, menarche and ovulation. Frisch RE. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):419–39 (86 ref.)
The energetic regulation of ovulation: a realistic role for body fat. Bronson FH, et al. **Biol Reprod** 1991 Jun;44(6):945–50 (63 ref.)
Body fat and the metabolic control of food intake. Friedman MI. **Int J Obes** 1990;14 Suppl 3:53–66; discussion 66–7 (54 ref.)
Perspectives in adipose tissue physiology. Hollenberg CH. **Int J Obes** 1990;14 Suppl 3:135–52 (65 ref.)
A re-assessment of the regulation of adiposity and appetite by the brain insulin system. Woods SC, et al. **Int J Obes** 1990;14 Suppl 3:69–73; discussion 74–6 (34 ref.)
The function of adipocytes in the bone marrow stroma. Gimble JM. **New Biol** 1990 Apr;2(4):304–12 (104 ref.)

PHYSIOPATHOLOGY

Central adipose distribution is related to coronary atherosclerosis. Thompson CJ, et al. **Arterioscler Thromb** 1991 Mar–Apr;11(2):327–33 (40 ref.)

RADIOGRAPHY

[Health risks of obesity. Significance of the regional distribution of adipose tissue] Richelsen B. **Ugeskr Laeger** 1991 Mar 25;153(13):908–13 (30 ref.) (Eng. Abstr.) **(Dan)**

TRANSPLANTATION

Complications of dermis-fat orbital implantation. Bosniak SL. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:170–81 (13 ref.)
Prosthesis fitting following autogenous dermis-fat orbital implantation: an ocularist's view. Gougelmann HP. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:182–3 (0 ref.)
Microliposuction and autologous fat transplantation for aesthetic enhancement of the aging face. Asken S. **J Dermatol Surg Oncol** 1990 Oct;16(10):965–72 (36 ref.)
Avoiding complications following primary dermis-fat orbital implantation. Bosniak SL. **Ophthal Plast Reconstr Surg** 1985;1(4):237–41 (11 ref.)
[Barraquer-Simons syndrome and facial lipo-filling. Apropos of a case] Ducours JL, et al. **Rev Stomatol Chir Maxillofac** 1991;92(2):105–11 (28 ref.) (Eng. Abstr.) **(Fre)**

ADJUSTMENT DISORDERS

DIAGNOSIS

Anxiety and adjustment disorder: a treatment approach [published erratum appears in J Clin Psychiatry 1991 Mar;52(3):140] Schatzberg AF. **J Clin Psychiatry** 1990 Nov;51 Suppl:20–4 (13 ref.)
The concept of secondary depression and its relationship to comorbidity. Winokur G. **Psychiatr Clin North Am** 1990 Dec;13(4):567–83 (22 ref.)

PSYCHOLOGY

Depression and anxiety secondary to medical illness. Cassem EH. **Psychiatr Clin North Am** 1990 Dec;13(4):597–612 (51 ref.)
The cultural bereavement interview: a new clinical research approach for refugees. Eisenbruch M. **Psychiatr Clin North Am** 1990 Dec;13(4):715–35 (38 ref.)

ADJUSTMENT, SOCIAL see **SOCIAL ADJUSTMENT**

ADJUVANT ARTHRITIS see **ARTHRITIS, ADJUVANT**

ADJUVANTS, IMMUNOLOGIC

Classical and new approaches to adjuvant use in domestic food animals. Dalsgaard K, et al. **Adv Vet Sci Comp Med** 1990;35:121–60 (232 ref.)
Antitumor, antiviral and immunopotentiating activities of pine cone extracts: potential medicinal efficacy of natural and synthetic lignin-related materials (review). Sakagami H, et al. **Anticancer Res** 1991 Mar–Apr;11(2):881–8 (58 ref.)
Immunomodulatory effect of tumor necrosis factor. Bonavida B. **Biotherapy** 1991;3(2):127–33 (40 ref.)
Liposomes containing lipid A: a potent nontoxic adjuvant for a human malaria sporozoite vaccine. Alving CR, et al. **Immunol Lett** 1990 Aug;25(1–3):275–9 (27 ref.)
Cellular and biochemical studies of substituted guanine ribonucleoside immunostimulants. Goodman MG. **Immunopharmacology** 1991 Jan–Feb;21(1):51–68 (59 ref.)
Immunomodulation by propionibacteria. Roszkowski W, et al. **Int J Med Microbiol** 1990 Dec;274(3):289–98 (63 ref.)
Cefodizime as a biological response modifier: a review of its in-vivo, ex-vivo and in-vitro immunomodulatory properties. Labro MT. **J Antimicrob Chemother** 1990 Nov; 26 Suppl C:37–47 (57 ref.)
Immunomodulating properties of 1,25-dihydroxyvitamin D3. Manolagas SC, et al. **Kidney Int Suppl** 1990 Sep;29:S9–16 (65 ref.)
Immunomodulating peptides of natural and synthetic origin. St Georgiev V. **Med Res Rev** 1991 Jan;11(1):81–119 (338 ref.)
Immunopotentiating effect of traditional Chinese drugs--ginsenoside and glycyrrhiza polysaccharide. Yang G, et al. **Proc Chin Acad Med Sci Peking Union Med Coll** 1990; 5(4):188–93 (9 ref.)
Is penicillamine immunostimulant? Huskisson EC. **Proc R Soc Med** 1977;70 Suppl 3:142–3 (9 ref.)
Immunomodulatory activity of small peptides. St Georgiev V. **Trends Pharmacol Sci** 1990 Sep;11(9):373–8 (38 ref.)
[Progress of pharmacological research on angelica polysaccharide] Wang YP. **Chung Hsi I Chieh Ho Tsa Chih** 1991 Jan;11(1):61–3 (24 ref.) **(Chi)**
[Immunopharmacological effect of Cordyceps sinensis] Zhang H. **Chung Hsi I Chieh Ho Tsa Chih** 1990 Sep; 10(9):570–1 (17 ref.) **(Chi)**
[Indomethacin as a modulator of the activity of natural killer cells (a review of the literature)] Shparyk IaV. **Vrach Delo** 1990 Aug;(8):32–6 (37 ref.) **(Rus)**
[Adjuvants: update on concepts] Berinstein A, et al. **Rev Argent Microbiol** 1990 Jul–Sep;22(3):159–66 (36 ref.) **(Spa)**

ADMINISTRATION & DOSAGE

Drug delivery systems for antitumor activation of macrophages. Tabata Y, et al. **Crit Rev Ther Drug Carrier Syst** 1990;7(2):121–48 (223 ref.)
Liposomes as carriers of antigens and adjuvants. Alving CR. **J Immunol Methods** 1991 Jun 24;140(1):1–13 (99 ref.)
[Special therapeutic directions. 3: Drug therapy processes, related and modified procedures] Eujen BR. **Med Monatsschr Pharm** 1991 Mar;14(3):81–6 (0 ref.) **(Ger)**

PHARMACOLOGY

Mechanisms of action of some immunomodulators used in veterinary medicine. Quinn PJ. **Adv Vet Sci Comp Med** 1990;35:43–99 (174 ref.)
Induction of immunopotentiation activity by a protein-bound polysaccharide, PSK (review). Sakagami H, et al. **Anticancer Res** 1991 Mar–Apr;11(2):993–9 (40 ref.)
Absorption of peptides and proteins from the respiratory tract and the potential for development of locally administered vaccine. O'Hagan DT, et al. **Crit Rev Ther Drug Carrier Syst** 1990;7(1):35–97 (421 ref.)
Immunomodulating activity of heparin. Górski A, et al. **FASEB J** 1991 Jun;5(9):2287–91 (37 ref.)
Fungal metabolites and Chinese herbal medicine as immunostimulants. Lien EJ. **Prog Drug Res** 1990; 34:395–420 (98 ref.)
[Determination of the anti-infective action of an immunomodulator. Biostim as an example] Ounis I. **Allerg Immunol (Paris)** 1991 Apr;23(4):145–52 (37 ref.) (Eng. Abstr.) **(Fre)**
[Neurotropin: the different aspects of its action and clinical use] Sudakov KV, et al. **Med Radiol (Mosk)** 1991;36(8):51–4 (57 ref.) **(Rus)**

PHYSIOLOGY

Immunoregulators in the nervous system. Plata-Salamán CR. **Neurosci Biobehav Rev** 1991 Summer;15(2):185–215 (623 ref.)

THERAPEUTIC USE

Rationale for using immunopotentiators in domestic food animals. Blecha F, et al. **Adv Vet Sci Comp Med** 1990; 35:3–19 (93 ref.)
Chemically induced immunomodulation in domestic food animals. Kehrli ME Jr, et al. **Adv Vet Sci Comp Med** 1990; 35:103–19 (66 ref.)
A thymosin-tuftsin conjugate as a new potential immunomodulator in cattle. Khansari DN, et al. **Adv Vet Sci Comp Med** 1990;35:161–77 (56 ref.)
Report of a WHO informal consultation on preclinical and clinical aspects of the use of immunomodulators in HIV infection. Geneva, 3–5 April 1989. World Health Organization Global Programme on AIDS. **AIDS** 1990 Dec;4(12):WHO1–14 (0 ref.)
Antiretroviral therapy and immunomodulators in patients with AIDS. Groopman JE. **Am J Med** 1991 Apr 10; 90(4A):18S–21S (21 ref.)
Disease-modifying antirheumatic and immunoregulatory agents. Rainsford KD. **Baillieres Clin Rheumatol** 1990 Dec; 4(3):405–32 (190 ref.)
Bone marrow transplantation for aplastic anemia: recent advances and comparisons with alternative therapies. Champlin RE. **Cancer Treat Res** 1990;50:185–99 (72 ref.)
Effects of immunomodulating therapy in systemic sclerosis. van den Hoogen FH, et al. **Clin Rheumatol** 1990 Sep; 9(3):319–24 (32 ref.)
Immunosuppression and immunomodulation. Goust JM, et al. **Immunol Ser** 1990;50:481–98 (7 ref.)
Can insulin-dependent diabetes mellitus be cured or prevented? A status report on immunomodulatory strategies and pancreas transplantation. Drash AL, et al. **Pediatr Clin North Am** 1990 Dec;37(6):1467–87 (110 ref.)
Biologic and immunomodulating factors in the treatment of pediatric acquired immunodeficiency syndrome. Ammann AJ. **Pediatr Infect Dis J** 1990 Dec;9(12):894–904 (42 ref.)
[Immunomodulating agents in dermatology] Nicolas JF, et al. **Ann Dermatol Venereol** 1991;118(5):421–6 (26 ref.) **(Fre)**
[Principles and perspectives of immunomodulation in the treatment of diabetes mellitus type I] Majkowska L, et al. **Pol Tyg Lek** 1989 May 22–29;44(21–22):509–12 (50 ref.) **(Pol)**
[Pathogenesis and therapy of persistent infections associated with immunodeficiency syndromes] Votiakov VI, et al. **Klin Med (Mosk)** 1991 May;69(5):29–37 (28 ref.) **(Rus)**
[Characteristics and clinical use of immunostimulants] Shirinskiĭ VS, et al. **Ter Arkh** 1990;62(12):125–32 (101 ref.) **(Rus)**
[The immunomodulating therapy of herpes zoster (a review of the literature)] Turkot LA, et al. **Vrach Delo** 1990 Aug; (8):107–10 (30 ref.) **(Rus)**
[Antiviral immunological therapeutics] de Juan Martín F. **An Esp Pediatr** 1989 Sep;31 Suppl 38:131–6 (16 ref.) **(Spa)**

ADJUVANTS, PHARMACEUTIC

[Chemical modification of proteins with polyethylene glycol (PEG): approach to new protein drugs] Inada Y, et al. **Seikagaku** 1990 Nov;62(11):1351–62 (100 ref.) **(Jpn)**

PHARMACOLOGY

Absorption enhancers. Muranishi S. **Crit Rev Ther Drug Carrier Syst** 1990;7(1):1–33 (155 ref.)

THERAPEUTIC USE

Adjuvant therapy in early breast cancer. Chittoor SR, et al. **Am Fam Physician** 1991 Aug;44(2):453–62 (33 ref.)
Levamisole as an adjuvant in cancer treatment. Janssen PA. **J Clin Pharmacol** 1991 May;31(5):396–400 (49 ref.)

ADL see **ACTIVITIES OF DAILY LIVING**

ADMINISTRATION, BUCCAL

Clinical pharmacokinetics of drug administered buccally and sublingually. Motwani JG, et al. **Clin Pharmacokinet** 1991 Aug;21(2):83–94 (90 ref.)

ADMINISTRATION, CUTANEOUS

see related
SKIN ABSORPTION

Transdermal drug delivery: efficacy and potential applications of the penetration enhancer Azone. Wiechers JW, et al. **Drug Des Deliv** 1990 Jun;6(2):87–100 (90 ref.)

ADMINISTRATION, INHALATION

see related
AEROSOLS
ANESTHESIA, INHALATION
RESPIRATORY THERAPY

ADMINISTRATION, INTRANASAL

ADMINISTRATION, INTRANASAL

see related
NEBULIZERS AND VAPORIZERS

ADMINISTRATION, RECTAL

see related
ANESTHESIA, RECTAL

Pharmacokinetics of rectal drug administration, Part II. Clinical applications of peripherally acting drugs, and conclusions. van Hoogdalem EJ, et al. **Clin Pharmacokinet** 1991 Aug;21(2):110–28 (211 ref.)

ADMINISTRATION RESEARCH, NURSING see **NURSING ADMINISTRATION RESEARCH**

ADMINISTRATION SCHEDULE, DRUG see **DRUG ADMINISTRATION SCHEDULE**

ADMINISTRATION, SUBLINGUAL

Clinical pharmacokinetics of drug administered buccally and sublingually. Motwani JG, et al. **Clin Pharmacokinet** 1991 Aug;21(2):83–94 (90 ref.)

ADMINISTRATIVE PERSONNEL

Management, administration, leadership: what's in a name? Talbott JA. **New Dir Ment Health Serv** 1991 Spring; (49):61–9 (35 ref.)

ADMINISTRATORS see **ADMINISTRATIVE PERSONNEL**

ADMISSION TESTS, ROUTINE see **DIAGNOSTIC TESTS, ROUTINE**

ADMITTING DEPARTMENT, HOSPITAL

ORGANIZATION & ADMINISTRATION

[Characteristics and improvement of working conditions in medical admission departments (review of the literature)] Borisenko NF, et al. **Gig Sanit** 1990 Dec;(12):38–42 (60 ref.) **(Rus)**

ADNEXA UTERI

PHYSIOLOGY

Functional and therapeutic aspects of counter current transfer in the female adnexa. Einer-Jensen N. **Med Hypotheses** 1990 Oct;33(2):125–7 (10 ref.)

ADNEXAL DISEASES

DIAGNOSIS

Pure primary osteosarcoma of the ovary presenting as an extensively calcified adnexal mass: a case report and review of the literature. Hines JF, et al. **Gynecol Oncol** 1990 Dec; 39(3):259–63 (19 ref.)

ADNEXITIS

Sexually transmitted pelvic infections and vaginitis. McCune KK, et al. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):205–11 (13 ref.)

Pelvic inflammatory disease and other sexually transmitted diseases. Weström L. **Curr Opin Obstet Gynecol** 1989 Oct; 1(1):5–10 (25 ref.)

Pelvic inflammatory disease. Peterson HB, et al. **Med Clin North Am** 1990 Nov;74(6):1603–15 (45 ref.)

[Pelvic inflammatory disease] Maruotti T, et al. **Medicina (Firenze)** 1990 Apr–Jun;10(2):108–28 (163 ref.) (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Sexually transmitted diseases, pelvic inflammatory disease, and infertility: an epidemiologic update. Cates W Jr, et al. **Epidemiol Rev** 1990;12:199–220 (178 ref.)

DRUG THERAPY

Clinical aspects of pelvic inflammatory disease. Morgan RJ. **Am Fam Physician** 1991 May;43(5):1725–32 (20 ref.)

[Methoxybutropate in the therapy of PID (pelvic inflammatory diseases)] Stillo A, et al. **Minerva Ginecol** 1991 Jan–Feb;43(1–2):57–9 (14 ref.) (Eng. Abstr.) **(Ita)**

EPIDEMIOLOGY

Pelvic inflammatory disease and related disorders; novel observations. Mårdh PA. **Scand J Infect Dis Suppl** 1990; 69:83–7 (25 ref.)

ETIOLOGY

[Consensus and controversy in the problem of suppurative-inflammatory diseases of the adnexa uteri] Tsvelev IuV, et al. **Akush Ginekol (Mosk)** 1990 Sep;(9):72–6 (29 ref.) **(Rus)**

MICROBIOLOGY

Genital chlamydial infections: epidemiology and reproductive sequelae. Cates W Jr, et al. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 2):1771–81 (124 ref.)

[Inflammation of the small pelvis caused by Actinomycosis infection] Koltai M, et al. **Orv Hetil** 1991 Feb 3; 132(5):227–31 (30 ref.) (Eng. Abstr.) **(Hun)**

PREVENTION & CONTROL

"Think PID". New directions in prevention and management of pelvic inflammatory disease. Rolfs RT. **Sex Transm Dis** 1991 Apr–Jun;18(2):131–2 (7 ref.)

ADOLESCENCE

Public policy issues affecting the health care delivery system of adolescents. Brindis CD, et al. **J Adolesc Health Care** 1990 Sep;11(5):387–97 (21 ref.)

Financing health care for adolescents: problems, prospects, and proposals. Newacheck PW, et al. **J Adolesc Health Care** 1990 Sep;11(5):398–403 (24 ref.)

Child nutrition: objectives for the decade. Splett PL, et al. **J Am Diet Assoc** 1991 Jun;91(6):665–8 (17 ref.)

Child and adolescent suicide. Acosta-Rua MV. **J Fla Med Assoc** 1991 May;78(5):295–8 (8 ref.)

Adolescent suicide. Risk factors and prevention. Lartigue EK, et al. **J Fla Med Assoc** 1990 Aug;77(8):745–7 (21 ref.)

Adolescent and elderly white male suicide trends: evidence of changing well-being? McCall PL. **J Gerontol** 1991 Jan; 46(1):S43–51 (41 ref.)

Issues in adolescent gynecologic care. Berry PL, et al. **Obstet Gynecol Clin North Am** 1990 Dec;17(4):837–49 (44 ref.)

Transition of the disabled adolescent to adulthood. Thompson CE. **Pediatrician** 1990;17(4):308–13 (10 ref.)

[Are we well informed about the health status of adolescents?] Gascón Pérez E, et al. **An Esp Pediatr** 1990 Jun;32(6):538–41 (20 ref.) **(Spa)**

PHYSIOLOGY

The role of exercise in children and adolescents. McKeag DB. **Clin Sports Med** 1991 Jan;10(1):117–30 (28 ref.)

Adolescent growth in girls—the Indian perspective [editorial] Vir S. **Indian Pediatr** 1990 Dec;27(12):1249–55 (19 ref.)

Health assessment of the early adolescent. Challenges and clinical issues. Manning ML. **Nurs Clin North Am** 1990 Dec;25(4):823–31 (38 ref.)

[Physical maturation and sport participation. Adolescent female athletes] Cuadrado Martínez P. **An Esp Pediatr** 1990 Nov;33 Suppl 43:110–5 (10 ref.) **(Spa)**

ADOLESCENT BEHAVIOR

Adolescent sexuality in Kenya. Ojwang SB, et al. **East Afr Med J** 1991 Feb;68(2):74–80 (25 ref.)

Health promotion for adolescents: preventive and corrective strategies against problem behavior. Hurrelmann K. **J Adolesc** 1990 Sep;13(3):231–50 (45 ref.)

Gallagher lecture. Teenagers and sexual risk taking: the best of times and the worst of times. Cates W Jr. **J Adolesc Health** 1991 Mar;12(2):84–94 (55 ref.)

Adolescent pregnancy: the clinician's role in intervention. Zabin LS. **J Gen Intern Med** 1990 Sep–Oct;5(5 Suppl):S81–8 (34 ref.)

Gender differences in psychosocial determinants of adolescent smoking. Clayton S. **J Sch Health** 1991 Mar; 61(3):115–20 (28 ref.)

Principles of non-verbal communication in efforts to reduce peer and social pressure. Duryea EJ. **J Sch Health** 1991 Jan;61(1):5–10 (52 ref.)

Adolescent sexuality: current issues. Bidwell RJ, et al. **Pediatr Ann** 1991 Jun;20(6):293–4, 297–300, 302 (26 ref.)

Adolescent sexuality: overview and implications for the pediatrician. Fisher M. **Pediatr Ann** 1991 Jun;20(6):285–9 (33 ref.)

Contraceptive choices for adolescents. Woods ER. **Pediatr Ann** 1991 Jun;20(6):313–21 (23 ref.)

Suicidal behavior in children and adolescents: a clinical and research perspective. Pfeffer CR. **Yale J Biol Med** 1990 Jul–Aug;63(4):325–32 (39 ref.)

[Compliance in adolescents with chronic disease] Michaud PA, et al. **Arch Fr Pediatr** 1991 May;48(5):329–36 (34 ref.) (Eng. Abstr.) **(Fre)**

[Are we well informed about the health status of adolescents?] Gascón Pérez E, et al. **An Esp Pediatr** 1990 Jun;32(6):538–41 (20 ref.) **(Spa)**

ADOLESCENT, INSTITUTIONALIZED

PSYCHOLOGY

Secure accommodation for very difficult adolescents: some recent research findings. Bullock R, et al. **J Adolesc** 1990 Sep;13(3):205–16 (34 ref.)

ADOLESCENT MEDICINE

[Adolescent medicine. Development and prospects] Alvin P, et al. **Arch Fr Pediatr** 1991 Feb;48(2):137–41 (66 ref.) **(Fre)**

[Adolescent medicine—why and how?] Hardoff D. **Harefuah** 1991 Jan 15;120(2):80–3 (20 ref.) **(Heb)**

[Medical care for adolescents—a combined hospital and community service] Kornmehl P. **Harefuah** 1990 Oct; 119(7–8):234–5 (5 ref.) **(Heb)**

LEGISLATION & JURISPRUDENCE

Consent and confidentiality in adolescent health care. Greydanus DE, et al. **Pediatr Ann** 1991 Feb;20(2):80–4 (14 ref.)

ORGANIZATION & ADMINISTRATION

[Health care units for adolescents] Casas Rivero J, et al. **An Esp Pediatr** 1990 Jul;33(1):61–3 (26 ref.) **(Spa)**

TRENDS

[Principles of therapeutic and preventive services for young pregnant women] Iakovleva EB. **Sov Med** 1991;(3):46–51 (91 ref.) **(Rus)**

ADOLESCENT PREGNANCY see **PREGNANCY IN ADOLESCENCE**

ADOLESCENT PSYCHIATRY

Current prevention concepts in child and adolescent psychiatry. O'Brien JD. **Am J Psychother** 1991 Apr; 45(2):261–8 (13 ref.)

TRENDS

Child psychiatry in Hong Kong: an overview. Wong CK. **Aust N Z J Psychiatry** 1990 Sep;24(3):331–8 (28 ref.)

[Organization of psychiatric services for adolescents (review of the literature)] Litvak VIa, et al. **Zh Nevropatol Psikhiatr** 1990;90(10):121–4 (58 ref.) **(Rus)**

ADOLESCENT PSYCHOLOGY

Gender identity conflicts in adolescents as motivation for suicide. Cohen Y. **Adolescence** 1991 Spring;26(101):19–29 (10 ref.)

The psychoanalytic perspective of adolescent homosexuality: a review. Mills JK. **Adolescence** 1990 Winter; 25(100):913–22 (27 ref.)

Psychological problems in adolescents from ethnic minorities. Lau A. **Br J Hosp Med** 1990 Sep;44(3):201–5 (15 ref.)

Support for the adolescent father. Taucher P. **Nurs Forum** 1991;26(1):22–6 (25 ref.)

Health counseling of adolescents. Joffe A, et al. **Pediatr Rev** 1991 May;12(11):344–51 (20 ref.)

The interaction of pubertal and psychosocial development during adolescence. Litt IF. **Pediatr Rev** 1991 Feb; 12(8):249–55 (25 ref.)

Cancer during adolescence. List MA, et al. **Pediatrician** 1991; 18(1):32–6 (18 ref.)

Feeling states during adolescence. Golombek H, et al. **Psychiatr Clin North Am** 1990 Sep;13(3):443–54 (21 ref.)

Creativity in adolescence. Rothenberg A. **Psychiatr Clin North Am** 1990 Sep;13(3):415–34 (53 ref.)

[Obesity in childhood and adolescence—conditions that cause it, sequelae, treatment methods] Rabenschlag U. **Off Gesundheitswes** 1990 Aug–Sep;52(8–9):467–74 (56 ref.) (Eng. Abstr.) **(Ger)**

[Causes and significance of violent group behavior of adolescents] Rossi E. **Minerva Pediatr** 1990 Sep; 42(9):337–42 (59 ref.) **(Ita)**

[Adolescence and disease] Blanco Picabia A. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1990 Jul–Aug;18(4):227–34 (20 ref.) (Eng. Abstr.) **(Spa)**

ADOPTION

LEGISLATION & JURISPRUDENCE

Adoption and single parents: a review. Groze V. **Child Welfare** 1991 May–Jun;70(3):321–32 (31 ref.)

[Foreign adoptions. The state of research and sequelae] Textor MR. **Prax Kinderpsychol Kinderpsychiatr** 1991 Feb; 40(2):42–9 (35 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

The sense of adoption. Schulte MJ, et al. **Acta Paedopsychiatr** 1989;52(3):209–16 (25 ref.)

Adoption studies in functional psychosis [editorial] Kringlen E. **Eur Arch Psychiatry Clin Neurosci** 1991;240(6):307–13 (34 ref.)

ADOPTIVE CELL TRANSFER see **IMMUNOTHERAPY, ADOPTIVE**

ADOPTIVE CELLULAR IMMUNOTHERAPY see **IMMUNOTHERAPY, ADOPTIVE**

ADP RECEPTORS see **RECEPTORS, PURINERGIC**

ADP RIBOSE see **ADENOSINE DIPHOSPHATE RIBOSE**

ADP-RIBOSYLTRANSFERASE (POLYMERIZING) see **POLY ADP RIBOSE POLYMERASE**

ADRENAL CORTEX

CYTOLOGY

Regulation of steroid hydroxylases in normal and SV40 T antigen-transfected bovine adrenocortical cells in long-term culture. Hornsby PJ. **Endocr Res** 1991; 17(1-2):109-34 (35 ref.)

METABOLISM

Expression and functions of P-glycoprotein (mdr1 gene product) in normal and malignant tissues. Sugawara I. **Acta Pathol Jpn** 1990 Aug;40(8):545-53 (42 ref.)

Distinctive properties of adrenal cortex mitochondria. Orme-Johnson NR. **Biochim Biophys Acta** 1990 Dec 6; 1020(3):213-31 (146 ref.)

Transforming growth factor beta 1: an autocrine regulator of adrenocortical steroidogenesis. Feige JJ, et al. **Endocr Res** 1991;17(1-2):267-79 (35 ref.)

Metabolism and toxicity of xenobiotics in the adrenal cortex, with particular reference to 7,12-dimethylbenz(a)anthracene. Hallberg E. **J Biochem Toxicol** 1990 Summer;5(2):71-90 (220 ref.)

Steroidogenic capacity in the adrenal cortex and its regulation. Waterman MR, et al. **Prog Drug Res** 1990; 34:359-81 (102 ref.)

PATHOLOGY

Endocrine imaging: parathyroid, adrenal cortex and medulla, and other endocrine tumors. Part II. Beierwaltes WH. **J Nucl Med** 1991 Aug;32(8):1627-39 (80 ref.)

PHYSIOLOGY

The role of the hippocampus in feedback regulation of the hypothalamic-pituitary-adrenocortical axis. Jacobson L, et al. **Endocr Rev** 1991 May;12(2):118-34 (159 ref.)

Agonist-stimulated turnover of the phosphoinositides and the regulation of adrenocortical steroidogenesis. Bird IM, et al. **J Mol Endocrinol** 1990 Dec;5(3):191-209 (141 ref.)

Physiology, pharmacology, toxicology and strength of materials. Funder JW. **Mol Cell Endocrinol** 1990 Aug 20; 72(2):C53-6 (18 ref.)

PHYSIOPATHOLOGY

Mechanisms of the pyrogenic actions of cytokines. Rothwell NJ. **Eur Cytokine Netw** 1990 Oct-Nov;1(4):211-3 (12 ref.)

SECRETION

Adrenal androgen secretion and biologic effects. Meikle AW, et al. **Endocrinol Metab Clin North Am** 1991 Jun; 20(2):381-400 (79 ref.)

ADRENAL CORTEX DISEASES

COMPLICATIONS

Adrenocorticotropic hormone-independent bilateral adrenocortical macronodular hyperplasia as a distinct subtype of Cushing's syndrome. Enzyme histochemical and ultrastructural study of four cases with a review of the literature. Aiba M, et al. **Am J Clin Pathol** 1991 Sep; 96(3):334-40 (23 ref.)

CT and MR imaging of massive macronodular adrenocortical disease: a rare cause of autonomous primary adrenal hypercortisolism. Doppman JL, et al. **J Comput Assist Tomogr** 1991 Sep-Oct;15(5):773-9 (21 ref.)

VETERINARY

[The diagnosis of adrenal cortical function in animals using hormone analysis] Evers P, et al. **Tierarztl Prax** 1990 Dec; 18(6):557-63 (39 ref.) (Eng. Abstr.) **(Ger)**

ADRENAL CORTEX FUNCTION TESTS

[Diagnosis and therapy of adrenal cortex insufficiency] Späth-Schwalbe E, et al. **Dtsch Med Wochenschr** 1990 Nov 16;115(46):1758-61 (22 ref.) **(Ger)**

METHODS

Adrenocortical stimulation tests with ACTH: developments and changes of a diagnostic procedure. Knappe G. **Hormones** 1971;2(2):76-99 (132 ref.)

VETERINARY

[The diagnosis of adrenal cortical function in animals using hormone analysis] Evers P, et al. **Tierarztl Prax** 1990 Dec; 18(6):557-63 (39 ref.) (Eng. Abstr.) **(Ger)**

ADRENAL CORTEX HORMONES

[Corticosteroids] Compagnucci P, et al. **Medicina (Firenze)** 1990 Oct-Dec;10(4):345-62 (33 ref.) (Eng. Abstr.) **(Ita)**

ADMINISTRATION & DOSAGE

[Topical intranasal cortisone therapy] Bellioni P, et al. **Recenti Prog Med** 1991 Apr;82(4):202-8 (32 ref.) (Eng. Abstr.) **(Ita)**

[The regimen for corticosteroid use in acute lymphoblastic leukemia] Rass IT. **Ter Arkh** 1990;62(7):155-7 (45 ref.) **(Rus)**

ADVERSE EFFECTS

Chronic nonendocrine diseases with growth impairment; is growth hormone of therapeutic value? Moëll C. **Acta Paediatr Scand Suppl** 1989;362:69-71 (22 ref.)

The risks of local and systemic corticosteroid administration. Cooper C, et al. **Baillieres Clin Rheumatol** 1991 Aug; 4(2):305-32 (210 ref.)

Locomotor side-effects of corticosteroids. Geusens P, et al. **Baillieres Clin Rheumatol** 1991 Apr;5(1):99-118 (119 ref.)

Adverse effects of inhaled corticosteroids. Maxwell DL. **Biomed Pharmacother** 1990;44(8):421-7 (76 ref.)

Overview of the side effects of corticosteroid therapy. Ansell BM. **Clin Exp Rheumatol** 1991 Jan-Feb;9 Suppl 6:19-20 (16 ref.)

Acute central nervous system complications after pulse steroid therapy in patients with systemic lupus erythematosus. Wysenbeek AJ, et al. **J Rheumatol** 1990 Dec;17(12):1695-6 (8 ref.)

Diagnosis and treatment: the complications of steroid treatment. Eberlein WR, et al. **Pediatrics** 1967 Aug; 40(2):279-82 (17 ref.)

[Adverse drug effects in bronchial asthma] Zamir C, et al. **Harefuah** 1990 Dec 2;119(11):392-6 (45 ref.) **(Heb)**

[Adverse effects of corticosteroids] Patoia L, et al. **Medicina (Firenze)** 1990 Oct-Dec;10(4):363-72 (137 ref.) (Eng. Abstr.) **(Ita)**

BIOSYNTHESIS

Agonist-stimulated turnover of the phosphoinositides and the regulation of adrenocortical steroidogenesis. Bird IM, et al. **J Mol Endocrinol** 1990 Dec;5(3):191-209 (141 ref.)

Steroidogenic capacity in the adrenal cortex and its regulation. Waterman MR, et al. **Prog Drug Res** 1990; 34:359-81 (102 ref.)

[The in vivo production of corticosteroids by the adrenals in rats of the SSHR hypertensive strain] Kotlobaĭ AA, et al. **Biol Nauki** 1990;(6):60-75 (67 ref.) (Eng. Abstr.) **(Rus)**

PHARMACOLOGY

Adrenal steroid influences on the survival of hippocampal neurons. McEwen BS, et al. **Biochem Pharmacol** 1990 Dec 1;40(11):2393-402 (95 ref.)

The influence of corticosteroids on host defense mechanisms. Cohn LA. **J Vet Intern Med** 1991 Mar-Apr;5(2):95-104 (132 ref.)

[The effect of corticosteroids and estrogens on the function of natural killers] Shparik IaV, et al. **Probl Endokrinol (Mosk)** 1990 Nov-Dec;36(6):84-9 (80 ref.) **(Rus)**

PHYSIOLOGY

Central action of adrenal steroids during stress and adaptation. Reul JM, et al. **Adv Exp Med Biol** 1990; 274:243-56 (75 ref.)

Corticosteroids and the brain. de Kloet ER, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):387-94 (74 ref.)

THERAPEUTIC USE

Effects of corticosteroids in "chronic bronchitis" and "chronic obstructive airway disease". Postma DS, et al. **Agents Actions Suppl** 1990;30:41-57 (16 ref.)

Corticosteroids as therapeutic agents in liver diseases [editorial] Novick DM. **Am J Gastroenterol** 1991 Jan; 86(1):30-2 (26 ref.)

Corticosteroid therapy in rheumatoid arthritis. George E, et al. **Baillieres Clin Rheumatol** 1990 Dec;4(3):621-47 (121 ref.)

Treatment of chronic asthma in children: the changing role of inhaled corticosteroids. Allergy Section, Canadian Paediatric Society. **Can Med Assoc J** 1991 Sep 15; 145(6):637-8 (22 ref.)

Eosinophilia-myalgia syndrome. Kazura JW. **Cleve Clin J Med** 1991 May-Jun;58(3):267-70 (25 ref.)

Overview of corticosteroid therapy in the different rheumatic diseases of childhood. Fink CW. **Clin Exp Rheumatol** 1991 Jan-Feb;9 Suppl 6:9-13 (25 ref.)

Management of elevated intracranial pressure. Woster PS, et al. **Clin Pharm** 1990 Oct;9(10):762-72 (80 ref.)

Topical corticosteroid therapy in psoriasis vulgaris. Trozak DJ. **Cutis** 1990 Oct;46(4):341-50 (74 ref.)

Corticosteroids for acute, severe asthma. Kelly HW, et al. **DICP** 1991 Jan;25(1):72-9 (58 ref.)

Risk-benefit assessment of drugs used in the treatment of inflammatory bowel disease. Hanauer SB, et al. **Drug Saf** 1991 May-Jun;6(3):192-219 (264 ref.)

Guidelines for drug treatment of male infertility. Haidl G, et al. **Drugs** 1991 Jan;41(1):60-8 (37 ref.)

Controlling emesis related to cancer therapy. Aapro MS. **Eur J Cancer** 1991;27(3):356-61 (98 ref.)

Chemoprophylaxis in asthma [see comments] MacDonald GF. **J Asthma** 1990;27(5):269-75 (41 ref.) Comment in: J Asthma 1990;27(5):265-7.

The use of corticosteroids in childhood asthma. Zora JA. **J Asthma** 1989;26(3):159-65 (52 ref.)

AIDS commentary. The use of corticosteroids in Pneumocystis carinii pneumonia. Bozzette SA. **J Infect Dis** 1990 Dec;162(6):1365-9 (67 ref.)

Steroid therapy in primary glomerulonephritis. Davison AM. **Nephrol Dial Transplant** 1990;5 Suppl 1:23-8 (31 ref.)

Advances in pediatric drug therapy of asthma. Levin RH. **Nurs Clin North Am** 1991 Jun;26(2):263-72 (28 ref.)

Use of corticosteroids in combination with antimicrobial drugs in the treatment of infectious corneal disease [see comments] Stern GA, et al. **Ophthalmology** 1991 Jun; 98(6):847-53 (38 ref.) Comment in: Ophthalmology 1991 Jun;98(6):845-6.

Present role of corticosteroids as antiemetics. Aapro MS. **Recent Results Cancer Res** 1991;121:91-100 (89 ref.)

Inflammatory bowel disease revisited: newer drugs. Hanauer SB. **Scand J Gastroenterol Suppl** 1990;175:97-106 (108 ref.)

Corticosteroids and bacterial meningitis. Kaplan SL. **Scand J Infect Dis Suppl** 1990;73:43-54 (56 ref.)

[Corticosteroid therapy of various systemic diseases (non-neoplastic, noninfectious)] Sternon J, et al. **Rev Med Brux** 1991 May;12(5):179-85 (17 ref.) (Eng. Abstr.) **(Fre)**

[Should corticosteroids be used in the treatment of alcoholic hepatitis? (editorial)] Mincis M. **Rev Paul Med** 1990 May-Jun;108(3):99-101 (16 ref.) **(Por)**

[Treatment with corticoids in multiple sclerosis] Fernández O. **Neurologia** 1990 Aug-Sep;5(7):233-7 (72 ref.) **(Spa)**

ADRENAL CORTEX NEOPLASMS

Adrenal cortical tumors. Roubidoux M, et al. **Bull N Y Acad Med** 1991 Mar-Apr;67(2):119-30 (21 ref.)

COMPLICATIONS

Budd Chiari syndrome in a post partum female with adrenal cortical carcinoma. Case report and review of the literature. González Keelan C, et al. **Bol Asoc Med P R** 1990 Dec; 82(12):538-40 (14 ref.)

[Polyradiculoneuritis following lumbosacral zona with adrenal cortex adenoma] Ribot C, et al. **Rev Neurol (Paris)** 1991;147(2):164-6 (9 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Evaluation and management of Carney's complex: an illustrative case [see comments] Wallace TM, et al. **Cleve Clin J Med** 1991 May-Jun;58(3):248-50, 255-6 (21 ref.) Comment in: Cleve Clin J Med 1991 May-Jun;58(3):214.

[Adrenocortical "incidentalomas" as a diagnostic and therapeutic problem] Djurdjević G, et al. **Srp Arh Celok Lek** 1990 Jan-Feb;118(1-2):57-63 (20 ref.) (Eng. Abstr.) **(Scc)**

PATHOLOGY

A case of familial adenomatous polyposis complicated by thyroid carcinoma, carcinoma of the ampulla of vater and adrenocortical adenoma. Ono C, et al. **Jpn J Surg** 1991 Mar;21(2):234-40 (34 ref.)

RADIONUCLIDE IMAGING

A black adrenocortical adenoma causing Cushing's syndrome not imaged by radiocholesterol scintigraphy. Reschini E, et al. **Eur J Nucl Med** 1990;17(3-4):185-7 (15 ref.)

SECRETION

A case of deoxycorticosterone-producing benign adrenocortical tumor. Saha PK, et al. **Urol Int** 1990; 45(6):367-9 (7 ref.)

ADRENAL GLAND DISEASES

Endocrine management of the open heart surgical patient. Hoogwerf BJ, et al. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):75-80 (42 ref.)

BLOOD

[18-Hydroxycorticosterone, 18-hydroxydesoxycorticosterone. Why, when, how to determine plasma levels in some adrenal pathologies] Aupetit B, et al. **Ann Endocrinol (Paris)** 1990;51(1):1-15 (125 ref.) (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Metabolism and toxicity of xenobiotics in the adrenal cortex, with particular reference to 7,12-dimethylbenz(a)anthracene. Hallberg E. **J Biochem Toxicol** 1990 Summer;5(2):71-90 (220 ref.)

DIAGNOSIS

Retroperitoneal bronchogenic cyst presenting as an adrenal mass. Foerster HM, et al. **Arch Pathol Lab Med** 1991 Oct; 115(10):1057-9 (12 ref.)

Plasma levels of aldosterone precursors (including the 18-hydroxylated compounds in this synthesis pathway)--a tool for the analysis of adrenal disorders? Aupetit-Faisant B. **Horm Res** 1990;34(3-4):142-50 (30 ref.)

Clinical use of urinary tract magnetic resonance imaging.

Newhouse JH. **Radiol Clin North Am** 1991 May; 29(3):455–74 (95 ref.)

[Hormone diagnosis of diseases of the hypophysis, adrenal glands and gonads] Hubl W, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):99–103 (9 ref.) **(Ger)**

[Adrenal abscess in the newborn: a case report and review of the literature] Lizardo-Barahona JR, et al. **Bol Med Hosp Infant Mex** 1990 Jun;47(6):401–4 (13 ref.) (Eng. Abstr.) **(Spa)**

ETHNOLOGY

Adrenal calcification and congenital nephrotic syndrome in three American Indians. Powers RJ, et al. **Pediatr Nephrol** 1990 Jan;4(1):29–31 (13 ref.)

MICROBIOLOGY

Infected pseudocyst of adrenal gland. Case report. Naess H, et al. **Eur J Surg** 1991 Mar;157(3):237–8 (11 ref.)

PATHOLOGY

Percutaneous renal and adrenal biopsies. Vassiliades VG, et al. **Cardiovasc Intervent Radiol** 1991 Jan–Feb;14(1):50–4 (28 ref.)

PHYSIOPATHOLOGY

Hyperandrogenism in peripubertal girls. Rosenfield RL. **Pediatr Clin North Am** 1990 Dec;37(6):1333–58 (75 ref.)

SURGERY

[Surgical aspects of the treatment of adrenal gland diseases] Meurisse M, et al. **Acta Chir Belg** 1991 Mar–Apr; 91(2):107–11 (11 ref.) (Eng. Abstr.) **(Fre)**

ULTRASONOGRAPHY

[Unilateral hematoma of the adrenal gland. Review of the literature. A case report] Zimmermann JM, et al. **J Urol (Paris)** 1990;96(7):399–402 (31 ref.) (Eng. Abstr.) **(Fre)**

ADRENAL GLAND HYPERFUNCTION

DRUG THERAPY

[Oncological and endocrine administration of the antiprogestagen RU 486] Lamberts SW. **Ned Tijdschr Geneeskd** 1990 Dec 29;134(52):2521–4 (34 ref.) **(Dut)**

ETIOLOGY

CT and MR imaging of massive macronodular adrenocortical disease: a rare cause of autonomous primary adrenal hypercortisolism. Doppman JL, et al. **J Comput Assist Tomogr** 1991 Sep–Oct;15(5):773–9 (21 ref.)

ADRENAL GLAND HYPOFUNCTION

Adrenal crisis. Chin R. **Crit Care Clin** 1991 Jan;7(1):23–42 (58 ref.)

COMPLICATIONS

Adrenal insufficiency in the cancer patient: implications for the surgeon. Ihde JK, et al. **Br J Surg** 1990 Dec; 77(12):1335–7 (24 ref.)

DIAGNOSIS

[Diagnosis and therapy of adrenal cortex insufficiency] Späth-Schwalbe E, et al. **Dtsch Med Wochenschr** 1990 Nov 16;115(46):1758–61 (22 ref.) **(Ger)**

ADRENAL GLAND NEOPLASMS

Endocrine crises. Pheochromocytoma. Shapiro B, et al. **Crit Care Clin** 1991 Jan;7(1):1–21 (54 ref.)

Diagnosis and treatment of primary adrenal tumors. Schwartz RW, et al. **Curr Opin Oncol** 1991 Feb;3(1):121–7 (21 ref.)

Analysis of eight Sipple's syndrome patients and review of eighty-two cases from the Japanese literature. Oishi S, et al. **Jpn J Clin Oncol** 1990 Dec;20(4):392–406 (91 ref.)

Phaeochromocytoma. A report of 10 patients. Huddle KR, et al. **S Afr Med J** 1991 Feb 16;79(4):217–20 (18 ref.)

[Current status of diagnosis and treatment of pheochromocytoma] Ruiz del Castillo J, et al. **Rev Quir Esp** 1988 Jul–Aug;15(4):169–74 (26 ref.) (Eng. Abstr.) **(Spa)**

CLASSIFICATION

[Pheochromocytomas] Mornex R. **Acta Chir Belg** 1991 Mar–Apr;91(2):102–6 (17 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

[Retrocardiac pheochromocytoma associated with a double carotid site. Diagnostic and therapeutic discussion] Peiffert B, et al. **Ann Chir** 1990;44(8):611–4 (24 ref.) (Eng. Abstr.) **(Fre)**

[Pheochromocytoma and palmoplantar keratoderma] Claudy AL, et al. **Ann Dermatol Venereol** 1991;118(4):297–9 (14 ref.) **(Fre)**

[Functional coronary insufficiency in pheochromocytoma. Contribution of isotopic tests. A case report] Stecken F, et al. **Arch Mal Coeur** 1990 Sep;83(10):1607–11 (10 ref.) (Eng. Abstr.) **(Fre)**

[Myocardial damage and pheochromocytoma. Description of 2 cases and review of the literature] Giunta G. **Minerva Med** 1990 Oct;81(10):741–7 (35 ref.) (Eng. Abstr.) **(Ita)**

[Multiple calcified adrenal myelolipoma suggestive of association of primary aldosteronism: report of a case] Kim CJ, et al. **Hinyokika Kiyo** 1991 Feb;37(2):151–5 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Malignant schwannoma as a cause of Addison's disease] de las Heras Niño B, et al. **An Med Interna** 1989 Aug; 6(8):435–6 (13 ref.) (Eng. Abstr.) **(Spa)**

CONGENITAL

[Congenital neuroblastoma] Gonzálvez J, et al. **Cir Pediatr** 1988 Jan;1(1):35–8 (17 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Oncologic imaging. Staging and follow-up of renal and adrenal carcinoma. McClennan BL. **Cancer** 1991 Feb 15; 67(4 Suppl):1199–208 (34 ref.)

Comparison of MRI and CT for study of renal and perirenal masses. Janus CL, et al. **Crit Rev Diagn Imaging** 1991; 32(2):69–118 (73 ref.)

Advances in diagnosing and treating adrenal tumors. Oberg K. **Curr Opin Oncol** 1990 Feb;2(1):79–86 (24 ref.)

Asymptomatic adrenal tumor; 386 cases in Japan including our 7 cases. Yamakita N, et al. **Endocrinol Jpn** 1990 Oct; 37(5):671–84 (15 ref.)

Diagnosis of pheochromocytoma. Reflections on a controversy [editorial] Bravo EL. **Hypertension** 1991 Jun; 17(6 Pt 1):742–4 (14 ref.)

Adrenal pheochromocytoma presenting with persistent abdominal and flank pain. Counselman FL, et al. **J Emerg Med** 1991 Jul–Aug;9(4):241–6 (34 ref.)

A simplified diagnostic approach to pheochromocytoma. A review of the literature and report of one institution's experience. Stein PP, et al. **Medicine (Baltimore)** 1991 Jan; 70(1):46–66 (211 ref.)

Hormonal evaluation of the patient with an incidentally discovered adrenal mass [see comments] Ross NS, et al. **N Engl J Med** 1990 Nov 15;323(20):1401–5 (38 ref.) Comment in: N Engl J Med 1991 Apr 18;324(16):1135–6.

Clinical and diagnostic findings in patients with chromaffin tumors: pheochromocytomas, pheochromoblastomas. Käser H. **Recent Results Cancer Res** 1990;118:97–105 (32 ref.)

The adrenal glands. DeAtkine AB, et al. **Semin Oncol** 1991 Apr;18(2):131–9 (21 ref.)

[Pheochromocytoma; current viewpoints on diagnosis and therapy] Lips CJ, et al. **Ned Tijdschr Geneeskd** 1991 Feb 2;135(5):166–71 (33 ref.) **(Dut)**

[A case of undiagnosed pheochromocytoma caused by negative metoclopramide test] Miyazaki S, et al. **Nippon Naibunpi Gakkai Zasshi** 1991 Jan 20;67(1):1–7 (26 ref.) (Eng. Abstr.) **(Jpn)**

[Adrenal gland myelolipoma: diagnostic and therapeutic aspects] Castiñeiras Fernández J, et al. **Actas Urol Esp** 1991 Jan–Feb;15(1):73–7 (32 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Suramin, a novel antitumor compound. La Rocca RV, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):893–8 (33 ref.)

[Drug therapy of pheochromocytoma] Coruzzi P, et al. **Ann Ital Med Int** 1989 Jul–Sep;4(3):224–9 (18 ref.) (Eng. Abstr.) **(Ita)**

[Massive bilateral non-Hodgkin's lymphoma of the adrenal glands] Arai N, et al. **Rinsho Ketsueki** 1990 Sep; 31(9):1576–80 (15 ref.) (Eng. Abstr.) **(Jpn)**

EPIDEMIOLOGY

[Pheochromocytoma in black Africa. Report of 9 cases] N'Guessan HA, et al. **Chirurgie** 1990;116(3):315–9 (10 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Computed tomography-guided fine needle aspiration biopsy of adrenal myelolipoma. Case report and review of the literature. Dunphy CH. **Acta Cytol** 1991 May–Jun; 35(3):353–6 (10 ref.)

Neuroendocrine tumors: chromaffin and nonchromaffin tumors. Samaan NA. **Curr Opin Oncol** 1990 Feb;2(1):101–7 (10 ref.)

Tumours of the adrenal gland. Saeger W. **Recent Results Cancer Res** 1990;118:79–96 (32 ref.)

[Pathology of 2A and 2B multiple endocrine neoplasia--a current assessment] Schröder S, et al. **Pathologe** 1991 May; 12(3):131–7 (64 ref.) **(Ger)**

[Sipple's syndrome: a case report] Takaha N, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1309–12 (10 ref.) (Eng. Abstr.) **(Jpn)**

[Adrenal tumors associated with renal cell carcinoma] Ebina T, et al. **Nippon Jinzo Gakkai Shi** 1990 Jul;32(7):841–7 (24 ref.) (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Comparison of MRI and CT for study of renal and perirenal masses. Janus CL, et al. **Crit Rev Diagn Imaging** 1991; 32(2):69–118 (73 ref.)

RADIONUCLIDE IMAGING

Contributions of nuclear endocrinology to the diagnosis of adrenal tumors. Shapiro B, et al. **Recent Results Cancer Res** 1990;118:113–38 (102 ref.)

SECONDARY

Hyperreninemic hypoaldosteronism due to hepatocellular carcinoma metastatic to the adrenal gland. Otabe S, et al. **Clin Nephrol** 1991 Feb;35(2):66–71 (43 ref.)

Results of surgical treatment of kidney cancer with solitary metastasis to contralateral adrenal. Plawner J. **Urology** 1991 Mar;37(3):233–6 (15 ref.)

[Contralateral adrenal metastasis of hypernephroma. Report of 2 cases and review of the literature] Timmermans L, et al. **Acta Urol Belg** 1990;58(2):153–9 (11 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Results of surgical treatment of kidney cancer with solitary metastasis to contralateral adrenal. Plawner J. **Urology** 1991 Mar;37(3):233–6 (15 ref.)

THERAPY

Penile and adrenal cancer. Fossâ SD. **Curr Opin Oncol** 1991 Jun;3(3):565–7 (13 ref.)

Penile and adrenal cancer. Fossâ SD. **Curr Opin Oncol** 1990 Jun;2(3):533–6 (14 ref.)

[Pheochromocytoma: how to prevent a fatal course? A case report and review of the literature] Bendayan P, et al. **Ann Cardiol Angeiol (Paris)** 1990 Oct;39(8):461–6 (36 ref.) (Eng. Abstr.) **(Fre)**

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the adrenal gland. Duprat P, et al. **IARC Sci Publ** 1990;(99):573–96 (67 ref.)

ADRENAL GLANDS

DRUG EFFECTS

[Propofol and adrenal function] Mastronardi P, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):404–7 (5 ref.) **(Ita)**

INNERVATION

Central and peripheral control of sympathoadrenal activity and energy metabolism in rats. Scheurink AJ, et al. **Physiol Behav** 1990 Dec;48(6):909–20 (102 ref.)

METABOLISM

[The in vivo production of corticosteroids by the adrenals in rats of the SSHR hypertensive strain] Kotlobai AA, et al. **Biol Nauki** 1990;(6):60–75 (67 ref.) (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Role of imaging in the exploration of the adrenal glands] Cyteval C, et al. **Ann Endocrinol (Paris)** 1990; 51(3–4):161–72 (60 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

The role of calcium flux in the central nervous system actions of ethanol. Littleton JM, et al. **Ann N Y Acad Sci** 1991; 625:388–94 (20 ref.)

Neuroendocrinology of the hypothalamo-pituitary-adrenal axis in pregnancy and the puerperium. Smith R, et al. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):167–86 (93 ref.)

Effects of nutrient intake on sympathoadrenal activity and thermogenic mechanisms. Astrup AV, et al. **J Neurosci Methods** 1990 Sep;34(1–3):187–92 (38 ref.)

PHYSIOPATHOLOGY

Psychological aspects of hypothalamo-pituitary-adrenal activity. Ur E. **Baillieres Clin Endocrinol Metab** 1991 Mar; 5(1):79–96 (113 ref.)

Obesity--a state of reduced sympathetic activity and normal or high adrenal activity (the autonomic and adrenal hypothesis revisited). Bray GA. **Int J Obes** 1990;14 Suppl 3:77–91; discussion 91–2 (91 ref.)

The sympathoadrenal system, obesity and hypertension: an overview. Landsberg L. **J Neurosci Methods** 1990 Sep; 34(1–3):179–86 (68 ref.)

[The role of the sympathetic-adrenal system in the development of hypertension. Effect of the emotional factor] Belova EV. **Kardiologiia** 1991 May;31(5):83–5 (24 ref.) **(Rus)**

RADIONUCLIDE IMAGING

Scintigraphic imaging of the thyroid, parathyroid, and adrenal glands. Gross MD, et al. **Curr Opin Radiol** 1990

Dec;2(6):851–9 (24 ref.)

SECRETION

Control of adrenal androgen secretion. Parker LN. **Endocrinol Metab Clin North Am** 1991 Jun;20(2):401–21 (85 ref.)

Adrenarche. Parker LN. **Endocrinol Metab Clin North Am** 1991 Mar;20(1):71–83 (39 ref.)

The control of adrenal androgen secretion. McKenna TJ, et al. **J Endocrinol** 1991 Apr;129(1):1–3 (17 ref.)

ADRENAL GLOMERULOSA see **ZONA GLOMERULOSA**

ADRENAL HYPERPLASIA, CONGENITAL

see related
PUBERTY, PRECOCIOUS
VIRILISM

DIAGNOSIS

Recent progress in neonatal mass screening for congenital hypothyroidism and adrenal hyperplasia using enzyme immunoassays. Tsuji A, et al. **Adv Clin Chem** 1990; 28:109–43 (63 ref.)

Prenatal diagnosis and treatment of adrenogenital syndrome (steroid 21–hydroxylase deficiency). New MI. **Dev Pharmacol Ther** 1990;15(3–4):200–10 (56 ref.)

DRUG THERAPY

Congenital adrenal hyperplasia due to 21–hydroxylase deficiency. Cutler GB Jr, et al. **N Engl J Med** 1990 Dec 27;323(26):1806–13 (53 ref.)

ENZYMOLOGY

Congenital adrenal hyperplasia caused by 21–hydroxylase deficiency. Its molecular basis and its remaining therapeutic problems. Migeon CJ, et al. **Endocrinol Metab Clin North Am** 1991 Jun;20(2):277–96 (53 ref.)

GENETICS

[Adrenogenital syndrome. II. Molecular biology] Koppens PF, et al. **Tijdschr Kindergeneeskd** 1991 Feb;59(1):1–8 (33 ref.) (Eng. Abstr.) **(Dut)**

[Gene heterogeneity in adrenal 21–hydroxylase] Morel Y. **Presse Med** 1991 May 25;20(20):945–9 (11 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

17 alpha–hydroxylase/17,20–lyase deficiency: from clinical investigation to molecular definition. Yanase T, et al. **Endocr Rev** 1991 Feb;12(1):91–108 (189 ref.)

THERAPY

The management of classical congenital adrenal hyperplasia due to 21–hydroxylase deficiency. Brook CG. **Clin Endocrinol (Oxf)** 1990 Oct;33(4):559–67 (25 ref.)

ADRENAL MEDULLA

CHEMISTRY

Membrane antigens of endocrine, large dense–core and small synaptic vesicles. Winkler H, et al. **Biochem Soc Trans** 1991 Feb;19(1):79–83 (44 ref.)

CYTOLOGY

Neural and neuroendocrine phenotype of neuroblastomas, ganglioneuroblastomas, ganglioneuromas and mature versus embryonic human adrenal medullary cells. Trojanowski JQ, et al. **Prog Clin Biol Res** 1991;366:335–41 (4 ref.)

PATHOLOGY

Endocrine imaging: parathyroid, adrenal cortex and medulla, and other endocrine tumors. Part II. Beierwaltes WH. **J Nucl Med** 1991 Aug;32(8):1627–39 (80 ref.)

PHYSIOLOGY

Characteristics of receptor–operated and membrane potential–dependent ATP secretion from adrenal medullary chromaffin cells. Rojas E, et al. **Ann N Y Acad Sci** 1990; 603:311–22; discussion 322–3 (22 ref.)

Control of exocytosis in adrenal chromaffin cells. Burgoyne RD. **Biochim Biophys Acta** 1991 Jul 22;1071(2):174–202 (282 ref.)

Physiology, pharmacology, toxicology and strength of materials. Funder JW. **Mol Cell Endocrinol** 1990 Aug 20; 72(2):C53–6 (18 ref.)

TRANSPLANTATION

Adrenal medullary tissue transplantation in Parkinson's disease: a review. Burns RS, et al. **Adv Neurol** 1990; 53:571–6 (25 ref.)

Transplantation of adrenal tissue into the central nervous system. Fine A. **Brain Res Brain Res Rev** 1990 May–Aug; 15(2):121–33 (119 ref.)

Transplants in Parkinson's disease. Lindvall O. **Eur Neurol** 1991;31 Suppl 1:17–27 (71 ref.)

Intracerebral adrenal medulla grafts: a review. Freed WJ, et al. **Exp Neurol** 1990 Nov;110(2):139–66 (166 ref.)

Striatal adrenal medulla/sural nerve cografts in hemiparkinsonian monkeys. Hansen JT, et al. **Prog Brain Res** 1990;82:573–80 (33 ref.)

The clinical application of cell grafting techniques in patients with Parkinson's disease. Quinn NP. **Prog Brain Res** 1990; 82:619–25 (38 ref.)

Grafts and growth factors in CNS. Basic science with clinical promise. Olson L. **Stereotact Funct Neurosurg** 1990; 54–55:250–67 (51 ref.)

[Intracerebral grafts in Parkinson's disease] Menei P, et al. **Presse Med** 1991 Mar 23;20(11):513–7 (29 ref.) (Eng. Abstr.) **(Fre)**

ADRENALECTOMY

Management of Cushing's syndrome secondary to adrenal adenoma during pregnancy. Pricolo VE, et al. **Surgery** 1990 Dec;108(6):1072–7; discussion 1077–8 (28 ref.)

ADRENALINE see **EPINEPHRINE**

ADRENERGIC AGENTS see **SYMPATHOMIMETICS**

ADRENERGIC ALPHA RECEPTOR AGONISTS

Alpha–2 adrenoceptor agonists: defining the role in clinical anesthesia. Maze M, et al. **Anesthesiology** 1991 Mar; 74(3):581–605 (316 ref.)

PHARMACOLOGY

Halothane, catecholamines, and cardiac conduction: anything new? [editorial; comment] Bosnjak ZJ, et al. **Anesth Analg** 1991 Jan;72(1):1–4 (25 ref.) Comment on: Anesth Analg 1991 Jan;72(1):5–10. Comment on: Anesth Analg 1991 Jan;72(1):11–7.

Role of signal transduction in anesthetic action. Alpha 2 adrenergic agonists. Maze M, et al. **Ann N Y Acad Sci** 1991;625:409–22 (95 ref.)

Drugs interacting with alpha adrenoceptors. van Zwieten PA. **Cardiovasc Drugs Ther** 1989 Apr;3(2):121–33 (60 ref.)

Review: alpha 2 and DA2 agonists as antiglaucoma agents: comparative pharmacology and clinical potential. Potter DE, et al. **J Ocul Pharmacol** 1990 Fall;6(3):251–7 (21 ref.)

Adrenoceptors in airway smooth muscle. Goldie RG, et al. **Pharmacol Ther** 1990;48(3):295–322 (225 ref.)

[Effects of alpha adrenergic stimulation on the mechanical properties of the myocardium] el Amrani AI, et al. **Arch Mal Coeur** 1990 Oct;83(11):1751–5 (17 ref.) (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

New developments in the drug treatment of glaucoma. Hurvitz LM, et al. **Drugs** 1991 Apr;41(4):514–32 (137 ref.)

ADRENERGIC ALPHA RECEPTOR BLOCKADERS

PHARMACOLOGY

Nonpeptide angiotensin II receptor antagonists: a novel class of antihypertensive agents. Timmermans PB, et al. **Blood Vessels** 1990;27(2–5):295–300 (16 ref.)

Drugs interacting with alpha adrenoceptors. van Zwieten PA. **Cardiovasc Drugs Ther** 1989 Apr;3(2):121–33 (60 ref.)

Alpha– and beta–blocking agents: pharmacology and properties. Prichard BN. **Cleve Clin J Med** 1991 Jul–Aug; 58(4):337–50 (116 ref.)

Alpha–adrenergic blockers: mechanism of action, blood pressure control, and effects of lipoprotein metabolism. Nash DT. **Clin Cardiol** 1990 Nov;13(11):764–72 (40 ref.)

Pharmacological profile of antihypertensive drugs with serotonin receptor and alpha–adrenoceptor activity. van Zwieten PA, et al. **Drugs** 1990;40 Suppl 4:1–8; discussion 28–30 (41 ref.)

Adrenoceptors in airway smooth muscle. Goldie RG, et al. **Pharmacol Ther** 1990;48(3):295–322 (225 ref.)

Measurement of the receptor turnover using an irreversible inactivating method. Theoretical assumptions, limitations and practical realization. Nowak G. **Pol J Pharmacol Pharm** 1990 Sep–Oct;42(5):433–40 (24 ref.)

THERAPEUTIC USE

Clinical implications of pathophysiologic changes in the midlife hypertensive patient. Julius S. **Am Heart J** 1991 Sep;122(3 (Pt 2)):886–91 (43 ref.)

Combination antihypertensive therapy with terazosin and other antihypertensive agents: results of clinical trials. Pool JL. **Am Heart J** 1991 Sep;122(3 (Pt 2)):926–31 (17 ref.)

The safety and efficacy of terazosin in the treatment of essential hypertension in blacks. Saunders E. **Am Heart J** 1991 Sep;122(3 (Pt 2)):936–42 (14 ref.)

Properties of labetalol, a combined alpha– and beta–blocking agent, relevant to the treatment of myocardial ischemia. Frishman WH. **Cardiovasc Drugs Ther** 1988 Sep;2(3):343–53 (102 ref.)

alpha 1–antagonists in the treatment of hypertension. Grimm RH Jr. **Hypertension** 1989 May;13(5 Suppl):I131–6 (47 ref.)

Alpha 1 blockers: antihypertensives whose positive metabolic profile with regard to hyperinsulinaemia and lipid metabolism cannot be ignored. Waite MA. **J Intern Med Suppl** 1991;735:113–7 (50 ref.)

Alpha–blocker therapy of hypertension. An unfulfilled promise. Khoury AF, et al. **JAMA** 1991 Jul 17;266(3):394–8 (61 ref.)

Alpha 1 blockers. Safe, effective treatment for hypertension. Itskovitz HD. **Postgrad Med** 1991 Jun;89(8):89–92, 95–8, 103–6, passim (86 ref.)

The efficacy and safety of terazosin for the treatment of symptomatic BPH. Lepor H, et al. **Prostate** 1991; 18(4):345–55 (12 ref.)

[New findings on the use of specific alpha–1 adrenergic blockers in the treatment of high blood pressure] Horký K. **Vnitr Lek** 1991 Jun;37(6):604–11 (50 ref.) (Eng. Abstr.) **(Cze)**

ADRENERGIC ALPHA RECEPTORS see **RECEPTORS, ADRENERGIC, ALPHA**

ADRENERGIC BETA RECEPTOR AGONISTS

Beta 2–agonists: pharmacology and recent developments. Meltzer DL, et al. **J Asthma** 1991;28(3):179–86 (19 ref.)

ADVERSE EFFECTS

Paradoxical bronchospasm after use of inhalation aerosols: a review of the literature. Cocchetto DM, et al. **J Asthma** 1991;28(1):49–53 (43 ref.)

METABOLISM

Adenosine and the control of adrenergic regulation of adipose tissue lipolysis during lactation. Vernon RG, et al. **J Dairy Sci** 1991 Feb;74(2):695–705 (62 ref.)

PHARMACOKINETICS

Effects of cardiovascular disease on pharmacokinetics. Rodighiero V. **Cardiovasc Drugs Ther** 1989 Oct;3(5):711–30 (168 ref.)

Drug disposition and effects in the fetus. Rurak DW, et al. **J Dev Physiol** 1991 Jan;15(1):33–44 (104 ref.)

PHARMACOLOGY

Direct and indirect regulation of cardiac L–type calcium channels by beta–adrenoreceptor agonists. Trautwein W, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:45–50 (14 ref.)

The 1990 Lilly Prize Lecture. A way of looking at agonism and antagonism: lessons from salbutamol, salmeterol and other beta–adrenoceptor agonists. Jack D. **Br J Clin Pharmacol** 1991 May;31(5):501–14 (36 ref.)

Subtype–selective modulation of human beta 1– and beta 2–adrenoceptor function by beta–adrenoceptor agonists and antagonists. Brodde OE, et al. **Clin Physiol Biochem** 1990;8 Suppl 2:11–7 (30 ref.)

Protein and energy requirements of animals treated with beta–adrenergic agonists: a discussion. Reeds PJ, et al. **J Anim Sci** 1991 Apr;69(4):1532–50 (99 ref.)

Adrenoceptors in airway smooth muscle. Goldie RG, et al. **Pharmacol Ther** 1990;48(3):295–322 (225 ref.)

Growth promotion in farm animals. Buttery PJ, et al. **Proc Nutr Soc** 1990 Oct;49(3):459–66 (42 ref.)

THERAPEUTIC USE

Beta–adrenoceptor partial agonists: a renaissance in cardiovascular therapy? Waller DG. **Br J Clin Pharmacol** 1990 Aug;30(2):157–71 (105 ref.)

Selective beta–1–adrenoceptor partial agonist treatment for congestive heart failure. Shabetai R. **Cardiology** 1990; 77(5):357–66 (34 ref.)

Sympathomimetics for acute severe asthma: should only beta 2–selective agonists be used? Reed MT, et al. **DICP** 1990 Sep;24(9):868–73 (59 ref.)

Beta–agonists and asthma mortality. What have we learned, what questions remain? Woolcock AJ. **Drugs** 1990 Nov; 40(5):653–6 (19 ref.)

Long–acting beta 2–adrenoceptor agonists: a new perspective in the treatment of asthma. Löfdahl CG, et al. **Eur Respir J** 1991 Feb;4(2):218–26 (74 ref.)

Advances in pediatric drug therapy of asthma. Levin RH. **Nurs Clin North Am** 1991 Jun;26(2):263–72 (28 ref.)

The challenge of long–acting beta–adrenoceptor agonists. Rabe KF, et al. **Respir Med** 1991 Jan;85(1):5–9 (46 ref.)

Use of beta 2–adrenergic drugs in obstructive respiratory tract diseases of childhood. Cserháti E. **Ther Hung** 1990; 38(3):117–24 (64 ref.)

[Role of beta–2–mimetic agents in the treatment of asthma] Clauzel AM, et al. **Allerg Immunol (Paris)** 1990 Nov; 22(9):377–82 (21 ref.) (Eng. Abstr.) **(Fre)**

ADRENERGIC BETA RECEPTOR BLOCKADERS

Bopindolol. A review of its pharmacodynamic and pharmacokinetic properties and therapeutic efficacy [published erratum appears in Drugs 1991 Feb;41(2):192] Harron DW, et al. **Drugs** 1991 Jan;41(1):130–49 (81 ref.)

Celiprolol. An updated review of its pharmacodynamic and pharmacokinetic properties, and therapeutic efficacy in cardiovascular disease. Milne RJ, et al. **Drugs** 1991 Jun; 41(6):941–69 (136 ref.)

ADMINISTRATION & DOSAGE

Beta-adrenoceptor antagonists plus nifedipine in the treatment of chronic stable angina pectoris. Challenor VF, et al. **Cardiovasc Drugs Ther** 1989 Jun;3 Suppl 1:275–85 (62 ref.)

Combination therapy with calcium-entry blockers and beta-adrenoceptor antagonists in hypertension. Sever P. **Cardiovasc Drugs Ther** 1989 Jun;3 Suppl 1:327–32 (22 ref.)

[Beta-blockers in collyria and their secondary effects] Mihail S. **Oftalmologia** 1990 Apr-Jun;34(2):81–4 (16 ref.) (Eng. Abstr.) **(Rum)**

ADVERSE EFFECTS

Metabolic effects of antihypertensive treatment with beta-blockers. Sawicki PT, et al. **J Intern Med Suppl** 1991; 735:97–9 (33 ref.)

Quality of life/subjective symptoms during beta-blocker treatment. Dahlöf C. **Scand J Prim Health Care Suppl** 1990; 1:73–80 (67 ref.)

[Obesity and diabetes as side-effects of beta-blockers] Astrup AV. **Ugeskr Laeger** 1990 Oct 1;152(40):2905–8 (16 ref.) (Eng. Abstr.) **(Dan)**

[Systemic effects of eyedrops] Le Jeunne C, et al. **Ann Med Interne (Paris)** 1990;141(8):674–7 (10 ref.) **(Fre)**

[Beta blockers and depressive syndromes] Knijnik J, et al. **Arq Bras Cardiol** 1991 Feb;56(2):157–9 (30 ref.) **(Por)**

ANALYSIS

[Gas chromatographic analysis of beta-blockers] You CH, et al. **Yao Hsueh Hsueh Pao** 1991;26(1):72–9 (30 ref.) **(Chi)**

CHEMISTRY

Chromatography of beta-adrenergic blocking agents. Davies CL. **J Chromatogr** 1990 Oct 12;531:131–80 (283 ref.)

PHARMACOKINETICS

Pharmacokinetic optimisation of therapy with beta-adrenergic blocking agents. Frishman WH, et al. **Clin Pharmacokinet** 1991 Apr;20(4):311–8 (40 ref.)

Pharmacokinetics of beta-adrenoceptor blocking agents: clinical significance of hepatic and/or renal clearance. Borchard U. **Clin Physiol Biochem** 1990;8 Suppl 2:28–34 (11 ref.)

PHARMACOLOGY

Vasodilatory beta-blockers: systemic and regional hemodynamic effects. Frohlich ED. **Am Heart J** 1991 Mar; 121(3 (Pt 2)):1012–6; discussion 1016–7 (48 ref.)

Effects of celiprolol and other antihypertensive agents on serum lipids and lipoproteins. Hunninghake DB. **Am Heart J** 1991 Feb;121(2 (Pt 2)):696–701 (48 ref.)

Clinical pharmacology of vasodilatory beta-blocking drugs. Shanks RG. **Am Heart J** 1991 Mar;121(3 (Pt 2)):1006–11 (37 ref.)

Effect of beta-adrenergic blocking agents on the circadian occurrence of ischemic cardiovascular events. Goldstein S. **Am J Cardiol** 1990 Nov 6;66(16):63G–65G (26 ref.)

Clinical experience with bopindolol: summary of poster presentations. Ikeda M, et al. **Am J Cardiol** 1991 Apr 22; 67(10):47B–50B (0 ref.)

Pharmacologic characterization of beta blockers with special reference to the significance of nonspecific membrane effects. Imai S. **Am J Cardiol** 1991 Apr 22;67(10):8B–12B (15 ref.)

Relevance of intrinsic sympathomimetic activity for beta blockers. Jaillon P. **Am J Cardiol** 1990 Sep 25; 66(9):21C–23C (16 ref.)

Vasodilation, not cardiodepression, underlies the antihypertensive effect of beta-adrenoceptor antagonists. Man in 't Veld AJ. **Am J Cardiol** 1991 Apr 22; 67(10):13B–17B (23 ref.)

Effects of beta-blockade on the incidence of ventricular tachyarrhythmias during acute myocardial ischemia: experimental findings and clinical implications. Haverkamp W, et al. **Basic Res Cardiol** 1990;85 Suppl 1:293–303 (57 ref.)

Endothelium-dependent effects of beta-adrenergic blockers. Vanhoutte PM. **Blood Vessels** 1990;27(2–5):301–5 (23 ref.)

The 1990 Lilly Prize Lecture. A way of looking at agonism and antagonism: lessons from salbutamol, salmeterol and other beta-adrenoceptor agonists. Jack D. **Br J Clin Pharmacol** 1991 May;31(5):501–14 (36 ref.)

Factors contributing to increased muscle fatigue with beta-blockers. McKelvie RS, et al. **Can J Physiol Pharmacol** 1991 Feb;69(2):254–61 (69 ref.)

The applied pharmacology of beta-adrenoceptor antagonists (beta blockers) in relation to clinical outcomes. Fitzgerald JD. **Cardiovasc Drugs Ther** 1991 Jun;5(3):561–76 (105 ref.)

Acute and chronic hemodynamic effects of drugs with different actions on adrenergic receptors: a comparison between alpha blockers and different types of beta blockers with and without vasodilating effect. Lund-Johansen P, et al. **Cardiovasc Drugs Ther** 1991 Jun;5(3):605–15 (36 ref.)

Newer beta blockers and the treatment of hypertension. McAreavey D, et al. **Cardiovasc Drugs Ther** 1991 Jun; 5(3):577–87 (124 ref.)

Alpha- and beta-blocking agents: pharmacology and properties. Prichard BN. **Cleve Clin J Med** 1991 Jul-Aug; 58(4):337–50 (116 ref.)

Subtype-selective modulation of human beta 1- and beta 2-adrenoceptor function by beta-adrenoceptor agonists and antagonists. Brodde OE, et al. **Clin Physiol Biochem** 1990;8 Suppl 2:11–7 (30 ref.)

Mode of action of beta-adrenergic blocking drugs in hypertension. Prichard BN, et al. **Clin Physiol Biochem** 1990;8 Suppl 2:1–10 (63 ref.)

Comparative properties of various beta-blockers, with an outlook to the future. van Zwieten PA. **Clin Physiol Biochem** 1990;8 Suppl 2:18–27 (27 ref.)

An overview of beta-adrenoceptors and signal transduction--desensitization in cardiac disease and effect of beta-blockade. Fu LX, et al. **Int J Cardiol** 1991 Mar; 30(3):261–8 (61 ref.)

Adrenoceptors in airway smooth muscle. Goldie RG, et al. **Pharmacol Ther** 1990;48(3):295–322 (225 ref.)

Cardiovascular reactivity to psychosocial stressors. A review of the effects of beta-blockade. Mills PJ, et al. **Psychosomatics** 1991 Spring;32(2):209–20 (79 ref.)

[Mechanism of action of beta-blockers] Martin X. **Ophtalmologie** 1990 Mar-Apr;4(2):154–5 (30 ref.) (Eng. Abstr.) **(Fre)**

[Sotalol. Beta-blockade and class III antiarrhythmic effect] Bjørnstad H, et al. **Tidsskr Nor Laegeforen** 1990 Nov 30; 110(29):3763–5 (17 ref.) **(Nor)**

THERAPEUTIC USE

Clinical perspective on celiprolol: cardioprotective potential. Frishman WH. **Am Heart J** 1991 Feb;121(2 (Pt 2)):724–9 (34 ref.)

Adjunctive use of beta-adrenergic blockers, calcium antagonists and other therapies in coronary thrombolysis. Becker RC, et al. **Am J Cardiol** 1991 Jan 25;67(3):25A–31A (101 ref.)

Reduction of mortality, sudden death and non-fatal reinfarction with beta-adrenergic blockers in survivors of acute myocardial infarction: a new hypothesis regarding the cardioprotective action of beta-adrenergic blockade. Frishman WH, et al. **Am J Cardiol** 1990 Nov 6; 66(16):66G–70G (64 ref.)

Secondary prevention of acute myocardial infarction with beta-blocking agents and calcium antagonists. Hampton JR. **Am J Cardiol** 1990 Sep 25;66(9):3C–8C (16 ref.)

Review of state-of-the-art beta-blocker therapy. Hansson L. **Am J Cardiol** 1991 Apr 22;67(10):43B–46B (32 ref.)

Advantages of beta blockers versus antiarrhythmic agents and calcium antagonists in secondary prevention after myocardial infarction. Singh BN. **Am J Cardiol** 1990 Sep 25;66(9):9C–20C (100 ref.)

Beta-adrenoceptor partial agonists: a renaissance in cardiovascular therapy? Waller DG. **Br J Clin Pharmacol** 1990 Aug;30(2):157–71 (105 ref.)

The pharmacologic treatment of atrial fibrillation. Bolognesi R. **Cardiovasc Drugs Ther** 1991 Jun;5(3):617–28 (162 ref.)

Age-related changes in autonomic control: the use of beta blockers in the treatment of hypertension. Collins KJ. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1257–62 (43 ref.)

Secondary prevention after myocardial infarction: effects of beta blocking agents and calcium antagonists. Depelchin P, et al. **Cardiovasc Drugs Ther** 1988 May;2(1):139–48 (45 ref.)

Properties of labetalol, a combined alpha- and beta-blocking agent, relevant to the treatment of myocardial ischemia. Frishman WH. **Cardiovasc Drugs Ther** 1988 Sep;2(3):343–53 (102 ref.)

Pharmacologic treatment of hypertrophic cardiomyopathy: beta-blockade or calcium blockade or what? [editorial] Goodwin JF. **Cardiovasc Drugs Ther** 1988 Mar;1(6):665–8 (11 ref.)

According to MIAMI and ISIS-1 trials, can a general recommendation be given for beta blockers in acute myocardial infarction? Kjekshus JK. **Cardiovasc Drugs Ther** 1988 May;2(1):113–9 (37 ref.)

Evaluation of celiprolol, a new cardioselective beta 1-adrenergic blocker with vasodilating properties, in the treatment of mild to moderate hypertension in the elderly. Lamon KD. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1291–5 (30 ref.)

The role of beta-receptor and calcium-entry-blocking agents in acute myocardial infarction in the thrombolytic era: can the results of thrombolytic reperfusion be enhanced? [editorial] Lavie CJ, et al. **Cardiovasc Drugs Ther** 1988 Dec; 2(5):601–7 (36 ref.)

Calcium channel antagonism and beta blockade in combination--a therapeutic alternative in cardiovascular disorders. A review. Lessem JN, et al. **Cardiovasc Drugs Ther** 1989 Jun;3(3):355–73 (156 ref.)

The efficacy of beta-adrenoceptor and calcium-entry blockers in hypertensive blacks. M'Buyamba-Kabangu JR, et al. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:389–94 (63 ref.)

Efficacy of celiprolol in hypertension and angina pectoris. Introduction. Norris RJ. **Cardiovasc Drugs Ther** 1991 Jan; 4 Suppl 6:1195–6 (26 ref.)

Pharmacology of acute effort angina. Opie LH. **Cardiovasc Drugs Ther** 1989 Jun;3 Suppl 1:257–70 (106 ref.)

Required beta blocker profile in the elderly. Opie LH. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1273–80 (47 ref.)

Beta receptor antagonists in the treatment of heart failure. Persson H, et al. **Cardiovasc Drugs Ther** 1991 Jun; 5(3):589–604 (104 ref.)

Prevention of sudden death by beta-blockade. Rehnqvist N. **Cardiovasc Drugs Ther** 1990 Jun;4(3):675–9 (23 ref.)

Beta blockers. Katz LJ. **CLAO J** 1991 Apr;17(2):132–3 (8 ref.)

Use of beta-adrenergic blocking agents in congestive heart failure. Krukemyer JJ. **Clin Pharm** 1990 Nov;9(11):853–63 (70 ref.)

Beta-blockers in alcohol withdrawal. Neff DA, et al. **DICP** 1991 Jan;25(1):31–2 (8 ref.)

Beta-blockers and portal hypertension, hemodynamic effects and prevention of recurrent gastrointestinal bleeding. Lebrec D. **Hepatogastroenterology** 1990 Dec;37(6):556–60 (52 ref.)

Diuretic agents and beta-blockers in the treatment of hypertension. Dollery C. **Hypertension** 1989 May;13(5 Suppl):I62–5 (24 ref.)

Traditional first-line therapy. Overview of medical benefits and side effects. Gifford RW Jr, et al. **Hypertension** 1989 May;13(5 Suppl):I119–24 (43 ref.)

Management of non-Q-wave myocardial infarction: role of diltiazem versus beta-blocker therapy. Boden WE. **J Cardiovasc Pharmacol** 1990;16 Suppl 6:S55–60 (35 ref.)

Secondary prevention after myocardial infarction: in favor of beta-blockers. Lévy S. **J Cardiovasc Pharmacol** 1990;16 Suppl 6:S50–4 (22 ref.)

Insulin sensitivity and blood lipids during antihypertensive treatment with special reference to ACE inhibition. Pollare T. **J Diabetic Complications** 1990 Apr-Jun;4(2):75–8 (20 ref.)

Beta-adrenergic blockers for portal hypertension. Lessons from animal models. Sikuler E. **J Hepatol** 1991 Mar; 12(2):133–5 (19 ref.)

Effect of beta-blockers on exercise physiology: implications for exercise training. Gordon NF, et al. **Med Sci Sports Exerc** 1991 Jun;23(6):668–76 (50 ref.)

Quality of life/subjective symptoms during beta-blocker treatment. Dahlöf C. **Scand J Prim Health Care** 1990;Suppl 1:73–80 (65 ref.)

Pharmacological and clinical aspects of drug therapy in coronary heart disease: clinical aspects of therapy with beta-adrenoceptor antagonists. Prichard BN. **Z Kardiol** 1990;79 Suppl 3:99–103 (48 ref.)

Experimental and clinical pharmacology of carvedilol and other drugs combining vasodilation and beta-adrenoceptor antagonism in a single molecule. Strein K, et al. **Z Kardiol** 1990;79 Suppl 3:89–98 (15 ref.)

[The use of beta-blockers in acute myocardial infarct] Petrov K. **Vutr Boles** 1990;29(3):20–6 (32 ref.) **(Bul)**

[The role of beta-blockers in the preventive treatment of rupture of esophageal varices] Calès P. **Acta Gastroenterol Belg** 1990 Jul-Aug;53(4):409–17 (51 ref.) (Eng. Abstr.) **(Fre)**

[Medical treatment of portal hypertension] Lebrec D. **Presse Med** 1991 Apr 27;20(16):750–5 (30 ref.) (Eng. Abstr.) **(Fre)**

[Selection criteria for differential therapy with beta receptor blockers] Knauf H, et al. **Dtsch Med Wochenschr** 1990 Dec 21;115(51–52):1963–70 (36 ref.) **(Ger)**

[Regulation of beta receptors--practical consequences for therapy] Reithmann C, et al. **Internist (Berl)** 1990 Oct; 31(10):625–31 (17 ref.) **(Ger)**

[Beta receptor blockers. Their role and therapeutic importance] Regenthal R, et al. **Z Gesamte Inn Med** 1991 Jan-Feb;46(1–2):1–5 (15 ref.) (Eng. Abstr.) **(Ger)**

[Adrenergic mechanisms in pathophysiology and treatment of chronic circulatory failure] Witkowska M. **Kardiol Pol** 1990 Jan;33(1):50–7 (37 ref.) **(Pol)**

ADRENERGIC BETA RECEPTORS see **RECEPTORS, ADRENERGIC, BETA**

ADRENERGIC-BLOCKING AGENTS see **SYMPATHOLYTICS**

ADRENERGIC FIBERS

PHYSIOLOGY

Neuropeptide Y and central cardiovascular regulation. Focus on its role as a cotransmitter in cardiovascular adrenergic neurons. Fuxe K, et al. **Ann N Y Acad Sci** 1990;611:111–32 (66 ref.)

A five-conductance model of the action potential in the rat sympathetic neurone. Belluzzi O, et al. **Prog Biophys Mol Biol** 1991;55(1):1–30 (120 ref.)

Role of neostriatal and neostriatal or mesolimbic dopaminergic fibres in Parkinson's disease with and without dementia: prospects, concepts and facts. Cools AR. **Yakubutsu Seishin Kodo** 1990 Mar;10(1):15–34 (117 ref.)

ADRENERGIC RECEPTOR AGONISTS

PHARMACOLOGY

Dopexamine hydrochloride: pharmacology and use in low cardiac output states. Ghosh S, et al.
J Cardiothorac Vasc Anesth 1991 Aug;5(4):382–9 (59 ref.)
[Central adrenergic agonist agents as representatives of a new class of nonopiate analgesics] Zaitsev AA.
Farmakol Toksikol 1991 Jan–Feb;54(1):4–8 (48 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Cardiovascular pharmacology of adrenergic and dopaminergic receptors: therapeutic significance in congestive heart failure. Lokhandwala MF, et al.
Am J Med 1991 May 29;90(5B):2S–9S (90 ref.)

ADRENERGIC RECEPTORS see **RECEPTORS, ADRENERGIC**

ADRENOCEPTORS see **RECEPTORS, ADRENERGIC**

ADRENOCORTICOTROPIC HORMONE

ANALOGS & DERIVATIVES

Cisplatin chemoprotection and rescue: pharmacologic modulation of toxicity. Gandara DR, et al.
Semin Oncol 1991 Feb;18(1 Suppl 3):49–55 (32 ref.)

BIOSYNTHESIS

[Current findings in the regulation of formation of corticoliberin, pro-opiomelanocortin and ACTH as well as the efficacy of these compounds] Kolb E.
Z Gesamte Inn Med 1990 Jul 15;45(14):397–402 (63 ref.) (Eng. Abstr.) **(Ger)**

BLOOD

Adrenocorticotropic hormone-independent bilateral adrenocortical macronodular hyperplasia as a distinct subtype of Cushing's syndrome. Enzyme histochemical and ultrastructural study of four cases with a review of the literature. Aiba M, et al. **Am J Clin Pathol** 1991 Sep; 96(3):334–40 (23 ref.)

DEFICIENCY

[Endocrinological approach to symptoms and diagnosis of electrolyte abnormalities] Saito T.
Nippon Naika Gakkai Zasshi 1991 Mar 10;80(3):327–31 (4 ref.) **(Jpn)**

DIAGNOSTIC USE

Adrenocortical stimulation tests with ACTH: developments and changes of a diagnostic procedure. Knappe G.
Hormones 1971;2(2):76–99 (132 ref.)

PHARMACOLOGY

[Simultaneous occurrence of selective ACTH deficiency , achalasia, alacrimia and hyperlipoproteinemia] Várkonyi A, et al. **Orv Hetil** 1990 Dec 16;131(50):2763–6 (26 ref.) (Eng. Abstr.) **(Hun)**

PHYSIOLOGY

Regulation of the hypothalamo-pituitary axis by neuropeptide Y. Koenig JI. **Ann N Y Acad Sci** 1990; 611:317–28 (59 ref.)
[The role of neuropeptides in memory processes] Słowik S. **Psychiatr Pol** 1990 May–Jun;24(3):217–24 (39 ref.) **(Pol)**
[ACTH as a neuropeptide. The functional role of ACTH in the brain] Giebov RN, et al. **Patol Fiziol Eksp Ter** 1990 Jul–Aug;(4):54–7 (19 ref.) **(Rus)**

SECRETION

ACTH-producing pituitary tumors. Grua JR, et al.
Endocrinol Metab Clin North Am 1991 Jun;20(2):319–62 (357 ref.)
Ectopic ACTH secretion. A misnomer. Odell WD.
Endocrinol Metab Clin North Am 1991 Jun;20(2):371–9 (30 ref.)

THERAPEUTIC USE

[Treatment with corticoids in multiple sclerosis] Fernández O. **Neurologia** 1990 Aug–Sep;5(7):233–7 (72 ref.) **(Spa)**

ADRENOCORTICOTROPIN see **ADRENOCORTICOTROPIC HORMONE**

ADRENODOXIN REDUCTASE see **FERREDOXIN-NADP REDUCTASE**

ADRENOGENITAL SYNDROME see **ADRENAL HYPERPLASIA, CONGENITAL**

ADRENOLEUKODYSTROPHY

Adrenoleukodystrophy. Moser HW, et al.
Endocrinol Metab Clin North Am 1991 Jun;20(2):297–318 (73 ref.)

ADRENOLYTICS see **SYMPATHOLYTICS**

ADRENOMIMETICS see **SYMPATHOMIMETICS**

ADRIAMYCIN see **DOXORUBICIN**

ADULT RESPIRATORY DISTRESS SYNDROME see **RESPIRATORY DISTRESS SYNDROME, ADULT**

ADULT T-CELL LEUKEMIA-LYMPHOMA VIRUS I see **HTLV-I**

ADVANCE DIRECTIVES

see related
RESUSCITATION ORDERS
RIGHT TO DIE

LEGISLATION & JURISPRUDENCE

Advance directives on admission. Clinical implications and analysis of the Patient Self-Determination Act of 1990 [see comments] La Puma J, et al. **JAMA** 1991 Jul 17; 266(3):402–5 (50 ref.) Comment in: JAMA 1991 Jul 17;266(3):410–2.

ADVERTISING

STANDARDS

The advertising of doctors' services. Irvine DH.
J Med Ethics 1991 Mar;17(1):35–40 (8 ref.)

AEDES

MICROBIOLOGY

Evolutionary relationships among California serogroup viruses (Bunyaviridae) and Aedes mosquitoes (Diptera: Culicidae). Eldridge BF. **J Med Entomol** 1990 Sep; 27(5):738–49 (65 ref.)

PARASITOLOGY

Mosquito host influences on development of filariae. Townson H, et al. **Ann Trop Med Parasitol** 1991 Feb; 85(1):149–63 (98 ref.)

PHYSIOLOGY

Aedes albopictus in the Americas. Rai KS.
Annu Rev Entomol 1991;36:459–84 (135 ref.)

AEQUORIN

DIAGNOSTIC USE

The role of calcium in the control of vascular tone as assessed by the Ca2+ indicator aequorin. Morgan KG.
Cardiovasc Drugs Ther 1990 Oct;4(5):1355–62 (23 ref.)

AEROBIC BACTERIA see **BACTERIA, AEROBIC**

AEROBIC EXERCISE see **EXERCISE**

AEROCOCCUS see **STREPTOCOCCACEAE**

AEROMONAS

Re-examination of Rattus norvegicus as an animal model for Aeromonas-associated enteritis in man. Haberberger RL Jr, et al. **Experientia** 1991 May 15;47(5):426–9 (13 ref.)
Bacteriological and clinical aspects of Aeromonas-associated diarrhea in The Netherlands. Kuijper EJ, et al.
Experientia 1991 May 15;47(5):432–4 (6 ref.)
The role of motile aeromonads in the fish disease, ulcerative disease syndrome (UDS). McGarey DJ, et al.
Experientia 1991 May 15;47(5):441–4 (21 ref.)
Spectrum of Aeromonas and Plesiomonas infections in patients with cancer and AIDS. Rolston KV, et al.
Experientia 1991 May 15;47(5):437–9 (11 ref.)
[The Aeromonas genus] Aldová E, et al.
Cesk Epidemiol Mikrobiol Imunol 1991 May;40(3):177–90 (76 ref.) (Eng. Abstr.) **(Cze)**

CLASSIFICATION

Methods for the identification of DNA hybridization groups in the genus Aeromonas. Altwegg M, et al. **Experientia** 1991 May 15;47(5):403–6 (16 ref.)
Aeromonas update: new species and global distribution. Carnahan AM, et al. **Experientia** 1991 May 15;47(5):402–3 (11 ref.)
The taxonomy and nomenclature of the psychrotrophic aeromonads. Schubert RH. **Experientia** 1991 May 15; 47(5):406–9 (10 ref.)

GENETICS

Studies on aerolysin and a serine protease from Aeromonas trota sp. nov. Husslein V, et al. **Experientia** 1991 May 15; 47(5):420–1 (11 ref.)
Application of the polymerase chain reaction (PCR) to detection of the aerolysin gene in whole cell cultures of beta-hemolytic Aeromonas hydrophila. Lior H, et al.
Experientia 1991 May 15;47(5):421–4 (13 ref.)

GROWTH & DEVELOPMENT

Behavior of Aeromonas species at refrigeration temperatures. Beuchat LR. **Int J Food Microbiol** 1991 Jul;13(3):217–24 (51 ref.)
Aeromonas and Plesiomonas as food- and waterborne pathogens. Wadström T, et al. **Int J Food Microbiol** 1991 Apr;12(4):303–11 (37 ref.)

ISOLATION & PURIFICATION

Media and methods for isolation of aeromonads from fecal specimens. A multilaboratory study. Moyer NP, et al.
Experientia 1991 May 15;47(5):409–12 (16 ref.)
Posttraumatic Aeromonas hydrophila osteomyelitis. Bonatus TJ, et al. **Orthopedics** 1990 Oct;13(10):1158–63 (31 ref.)

METABOLISM

The phenomenon of toxin secretion by vibrios and aeromonads. Hirst TR, et al. **Experientia** 1991 May 15; 47(5):429–31 (28 ref.)
Nutritional requirements of aeromonads and their multiplication in drinking water. van der Kooij D.
Experientia 1991 May 15;47(5):444–6 (13 ref.)

PATHOGENICITY

New lectins and other putative adhesins in Aeromonas hydrophila. Ascencio F, et al. **Experientia** 1991 May 15; 47(5):414–6 (13 ref.)
Secretion and mechanism of action of the hole-forming toxin aerolysin. Buckley JT. **Experientia** 1991 May 15;47(5):418–9 (19 ref.)
Iron acquisition and virulence in the motile aeromonads: siderophore-dependent and -independent systems. Byers BR, et al. **Experientia** 1991 May 15;47(5):416–8 (19 ref.)
Review of Aeromonas enterotoxins. Houston CW, et al.
Experientia 1991 May 15;47(5):424–6 (22 ref.)
Form and functions of the regular surface array (S-layer) of Aeromonas salmonicida. Kay WW, et al. **Experientia** 1991 May 15;47(5):412–4 (17 ref.)
Aeromonas caviae: ecologic adaptation in the intestinal tract of infants coupled to adherence and enterotoxin production as factors in enteropathogenicity. Namdari H, et al.
Experientia 1991 May 15;47(5):434–6 (22 ref.)
Aeromonads and their significance as potential pathogens in water. Schubert RH. **Soc Appl Bacteriol Symp Ser** 1991; 20:131S–135S (22 ref.)

PHYSIOLOGY

The role of cell-wall deficient bacteria (L-forms; sphaeroplasts) in fish diseases. McIntosh D, et al.
Soc Appl Bacteriol Symp Ser 1991;20:1S–7S (38 ref.)
[Molecular mechanisms of invasion and virulence in strains of the mesophilic aeromonas group isolated from human beings] Reina J. **Enferm Infecc Microbiol Clin** 1991 Feb; 9(2):106–10 (43 ref.) **(Spa)**

AEROSOLS

Organic solvent and aerosol abuse. Miller NS, et al.
Am Fam Physician 1991 Jul;44(1):183–9 (26 ref.)
Paradoxical bronchospasm after use of inhalation aerosols: a review of the literature. Cocchetto DM, et al.
J Asthma 1991;28(1):49–53 (43 ref.)
Aerosols in the treatment of asthma. Tinkelman DG, et al.
J Asthma 1991;28(4):243–9 (35 ref.)

ADVERSE EFFECTS

Bioaerosols: prevalence and health effects in the indoor environment. Burge H. **J Allergy Clin Immunol** 1990 Nov; 86(5):687–701 (48 ref.)

ANALYSIS

Tracing aerosol pollutants with rare earth isotopes. Ondov JM, et al. **Anal Chem** 1991 Jul 1;63(13):691A–697A (15 ref.)

AEROSPACE MEDICINE

see related
ALTITUDE
DECOMPRESSION SICKNESS
SPACE FLIGHT

Panel on deliberate G-induced loss of consciousness: introduction. Burton RR. **Aviat Space Environ Med** 1991 Jul;62(7):609–11 (17 ref.)
Environmental tobacco smoke (ETS) in airliners--a health hazard evaluation. Crawford WA, et al.
Aviat Space Environ Med 1991 Jun;62(6):580–6 (22 ref.)
Military aviation: a contact lens review. Lattimore MR Jr.
Aviat Space Environ Med 1990 Oct;61(10):946–9 (36 ref.)
Flying after diving guidelines: a review. Sheffield PJ.
Aviat Space Environ Med 1990 Dec;61(12):1130–8 (57 ref.)
Unpredictability of fighter pilot G tolerance using anthropometric and physiologic variables. Webb JT, et al.
Aviat Space Environ Med 1991 Feb;62(2):128–35 (27 ref.)
Medical considerations for human exposure to acceleration-induced loss of consciousness. Whinnery JE.

Aviat Space Environ Med 1991 Jul;62(7):618–23 (22 ref.)

MANPOWER

[Genetic aspects of man's adaptation to long-term space flight] Delone NL, et al. **Kosm Biol Aviakosm Med** 1991 Mar–Apr;25(2):10–5 (50 ref.) (Eng. Abstr.) **(Rus)**

AFFECT

Emotional availability in mother–child interactions: a reconceptualization for research. Biringen Z, et al. **Am J Orthopsychiatry** 1991 Apr;61(2):258–71 (55 ref.)

Concerning knowledge of mental states. Hobson RP. **Br J Med Psychol** 1990 Sep;63 (Pt 3):199–213 (55 ref.)

Affects as central organising and integrating factors. A new psychosocial/biological model of the psyche. Ciompi L. **Br J Psychiatry** 1991 Jul;159:97–105 (73 ref.)

A semantic analysis of the various ways that the terms "affect," "emotion," and "mood" are used. Alpert M, et al. **J Commun Disord** 1990 Aug–Oct;23(4–5):237–46 (52 ref.)

Feeling states during adolescence. Golombek H, et al. **Psychiatr Clin North Am** 1990 Sep;13(3):443–54 (21 ref.)

[The psychosocial status of patients with endogenous eczema. A study using cluster analysis for the correlation of psychological factors with somatic findings] Gieler U, et al. **Hautarzt** 1990 Aug;41(8):416–23 (69 ref.) (Eng. Abstr.) **(Ger)**

[Affective processes and the development of thinking] Mancia M. **Minerva Pediatr** 1991 Mar;43(3):161–7 (23 ref.) **(Ita)**

DRUG EFFECTS

The effects of oral contraceptives on well-being and sexuality. Bancroft J, et al. **Oxf Rev Reprod Biol** 1990; 12:57–92 (127 ref.)

Gonadal hormones and antihormones, serotonin and mood. Halbreich U. **Psychopharmacol Bull** 1990;26(3):291–5 (15 ref.)

PHYSIOLOGY

Role of serotonin in depression. Meltzer HY. **Ann N Y Acad Sci** 1990;600:486–99; discussion 499–500 (99 ref.)

The components and neuroanatomic bases of prosody. Merewether FC, et al. **J Commun Disord** 1990 Aug–Oct; 23(4–5):325–36 (70 ref.)

AFFECTIVE DISORDERS

Behaviour disorders in children. Soddy A. **Med J Aust** 1991 Jan 7;154(1):41–3 (4 ref.)

CHEMICALLY INDUCED

Behavioral complications of drug treatment of Parkinson's disease. Cummings JL. **J Am Geriatr Soc** 1991 Jul; 39(7):708–16 (89 ref.)

COMPLICATIONS

[Hyperventilation syndrome and autonomic dystonia (review of the literature)] Moldovanu IV. **Zh Nevropatol Psikhiatr** 1991;91(5):100–3 (70 ref.) **(Rus)**

DIAGNOSIS

The spectrum of mood disorders. Lopez-Ibor JJ Jr. **J Clin Psychiatry** 1990 Sep;51 Suppl:62–4 (21 ref.)

Assessing mood states in pregnancy: survey of the literature. Tunis SL, et al. **Obstet Gynecol Surv** 1991 Jun;46(6):340–6 (58 ref.)

Seasonal mood disorders: consensus and controversy. Blehar MC, et al. **Psychopharmacol Bull** 1990;26(4):465–94 (208 ref.)

[Masked psychopathological conditions imitating pathology of the locomotor system (review of the literature)] Ostroglazov VG, et al. **Zh Nevropatol Psikhiatr** 1991; 91(4):121–8 (134 ref.) **(Rus)**

DRUG THERAPY

Towards defining adequate lithium trials for individuals with mental retardation and mental illness. Pary RJ. **Am J Ment Retard** 1991 May;95(6):681–91 (60 ref.)

Therapy of affective disorders. Alexander B, et al. **Prim Care** 1990 Sep;17(3):565–88 (60 ref.)

Preclinical and clinical studies with corticotropin-releasing factor: implications for affective disorders. Owens MJ, et al. **Psychopharmacol Bull** 1988;24(3):355–9 (20 ref.)

[Central effect of calcium channel antagonists: new therapeutic possibilities in neurology and psychiatry?] Kostowski W, et al. **Psychiatr Pol** 1990 May–Jun; 24(3):209–16 (39 ref.) **(Pol)**

ETIOLOGY

Epilepsy and disorders of mood. Blumer D. **Adv Neurol** 1991; 55:185–95 (57 ref.)

Menopause-related affective disorders: a justification for further study. Schmidt PJ, et al. **Am J Psychiatry** 1991 Jul;148(7):844–52 (70 ref.)

Mood disorders in children and adolescents. Bleiberg E. **Bull Menninger Clin** 1991 Spring;55(2):182–204 (84 ref.)

Seasonal affective disorder and the yoga paradigm: a reconsideration of the role of the pineal gland. Leskowitz E. **Med Hypotheses** 1990 Nov;33(3):155–8 (22 ref.)

Cognitive and mood-state changes in patients with chronic fatigue syndrome. Grafman J, et al. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S45–52 (64 ref.)

METABOLISM

Studies on central nervous system serotonin receptors in mood disorders. Young A, et al. **Ann Acad Med Singapore** 1991 Jan;20(1):46–50 (36 ref.)

Gonadal hormones, sex and behavior. Halbreich U, et al. **Psychopharmacol Bull** 1990;26(3):297–301 (20 ref.)

PHYSIOPATHOLOGY

Retinal melatonin and dopamine in seasonal affective disorder. Oren DA. **J Neural Transm Gen Sect** 1991; 83(1–2):85–95 (69 ref.)

Huntington's disease as a model for mood disorders. Clues from neuropathology and neurochemistry. Peyser CE, et al. **Mol Chem Neuropathol** 1990 Mar;12(2):99–119 (105 ref.)

PSYCHOLOGY

Integrating affect in treatment with adult survivors of physical and sexual abuse. Cornell WF, et al. **Am J Orthopsychiatry** 1991 Jan;61(1):59–69 (38 ref.)

Affect regulation and psychopathology: bridging the mind–body gap. Bradley SJ. **Can J Psychiatry** 1990 Aug; 35(6):540–7 (62 ref.)

RADIONUCLIDE IMAGING

Positron emission tomography in neuropsychiatry. Faulstich ME, et al. **Invest Radiol** 1991 Feb;26(2):184–94 (93 ref.)

THERAPY

Integrating psychotherapy and pharmacotherapy. Hyland JM. **Bull Menninger Clin** 1991 Spring;55(2):205–15 (26 ref.)

Is morning light exposure superior to evening light in treating seasonal affective disorder? Avery D, et al. **Psychopharmacol Bull** 1990;26(4):521–4 (20 ref.)

Is light treatment a placebo? Brown WA. **Psychopharmacol Bull** 1990;26(4):527–30 (13 ref.)

What the placebo literature can tell us about light therapy for SAD. Eastman CI. **Psychopharmacol Bull** 1990; 26(4):495–504 (49 ref.)

Placebos in evaluating light therapy for seasonal affective disorder. Stewart J. **Psychopharmacol Bull** 1990;26(4):525–6 (5 ref.)

Experimental design and measures of success in the treatment of winter depression by bright light. Terman M, et al. **Psychopharmacol Bull** 1990;26(4):505–10 (17 ref.)

Morning light exposure for the treatment of winter depression: the one true light therapy? Wirz-Justice A, et al. **Psychopharmacol Bull** 1990;26(4):511–20 (35 ref.)

AFFECTIVE DISORDERS, PSYCHOTIC

DIAGNOSIS

Mood-incongruent psychotic affective illness. A historical and empirical review. Kendler KS. **Arch Gen Psychiatry** 1991 Apr;48(4):362–9 (48 ref.)

[Criteria related to assessment of affective offenses] Rösler M. **Nervenarzt** 1991 Jan;62(1):49–54 (18 ref.) **(Ger)**

DRUG THERAPY

Psychotic affective disorders: assessment and treatment issues. Janicak PG, et al. **Psychiatr Med** 1991;9(1):115–32 (52 ref.)

AFFECTIVE PSYCHOSIS, BIPOLAR see **BIPOLAR DISORDER**

AFFECTIVE SYMPTOMS

ETIOLOGY

Caregiving: an emerging risk factor for emotional and physical pathology. Eisdorfer C. **Bull Menninger Clin** 1991 Spring;55(2):238–47 (42 ref.)

The long-term effects of divorce on children: a review. Wallerstein JS. **J Am Acad Child Adolesc Psychiatry** 1991 May;30(3):349–60 (54 ref.)

PSYCHOLOGY

How and what do autistic children see? Emotional, perceptive and social peculiarities reflected in more recent examinations of the visual perception and the process of observation in autistic children. Dalferth M. **Acta Paedopsychiatr** 1989;52(2):121–33 (75 ref.)

The triple response approach to assessment: a conceptual and methodological reappraisal. Eifert GH, et al. **Behav Res Ther** 1991;29(3):283–92 (47 ref.)

Annotation: recent life events and psychiatric disorder in school age children. Goodyer IM. **J Child Psychol Psychiatry** 1990 Sep;31(6):839–48 (41 ref.)

Asymmetrical effects of positive and negative events: the mobilization–minimization hypothesis. Taylor SE. **Psychol Bull** 1991 Jul;110(1):67–85 (200 ref.)

The alexithymia construct. A potential paradigm for psychosomatic medicine. Taylor GJ, et al. **Psychosomatics** 1991 Spring;32(2):153–64 (116 ref.)

REHABILITATION

Beyond the continuum of care: conceptualizing day treatment for children and youth. Topp DB. **Community Ment Health J** 1991 Apr;27(2):105–13 (12 ref.)

The behavioral model and adolescents with behavior disorders: a review of selected treatment studies. Olinger E, et al. **Prog Behav Modif** 1991;27:122–56 (100 ref.)

THERAPY

Social behavior of students who are seriously emotionally disturbed. A quantitative analysis of intervention studies. Singh NN, et al. **Behav Modif** 1991 Jan;15(1):74–94 (60 ref.)

Adolescent day program: a two year retrospective review. Orchard JM, et al. **Can J Psychiatry** 1990 Aug;35(6):554–6 (11 ref.)

Do public schools have an obligation to serve troubled children and youth? Nelson CM, et al. **Except Child** 1991 Mar–Apr;57(5):406–17 (65 ref.)

A review of child psychotherapy research since 1963. Barrnett RJ, et al. **J Am Acad Child Adolesc Psychiatry** 1991 Jan;30(1):1–14 (80 ref.)

Inpatient psychiatric treatment of children and adolescents: a review of outcome studies. Pfeiffer SI, et al. **J Am Acad Child Adolesc Psychiatry** 1990 Nov; 29(6):847–53 (52 ref.)

[Games psychotherapy and psychoprophylaxis in pediatrics] Erenkova NV. **Pediatriia** 1990;(9):84–90 (24 ref.) **(Rus)**

AFFERENT PATHWAYS

ANATOMY & HISTOLOGY

Monoamine systems in the cerebral cortex: evidence for anatomical specificity. Papadopoulos GC, et al. **Prog Neurobiol** 1991;36(3):195–200 (79 ref.)

[Anatomy of ascending sensory pathways in the spinal cord] Mizuno N. **No To Shinkei** 1990 Dec;42(12):1125–40 (204 ref.) **(Jpn)**

PHYSIOLOGY

On the function of spinal primary afferent fibres supplying colon and urinary bladder. Jänig W, et al. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S89–96 (33 ref.)

The role of afferent activity in the maintenance of primate neocorticalfunction. Jones EG. **J Exp Biol** 1990 Oct; 153:155–76 (128 ref.)

Presynaptic inhibition of muscle spindle and tendon organ afferents in the mammalian spinal cord. Rudomin P. **Trends Neurosci** 1990 Dec;13(12):499–505 (75 ref.)

[Properties of afferent connexions to the spinocerebellar tracts] Hirai N. **No To Shinkei** 1990 Dec;42(12):1141–53 (93 ref.) **(Jpn)**

PHYSIOPATHOLOGY

[Syndrome of partial cholinergic deafferentation of the cortical mantle—a concept for describing the brain–behavior relationship in dementia diseases] Arendt T. **Fortschr Neurol Psychiatr** 1991 Mar;59(3):81–91 (82 ref.) (Eng. Abstr.) **(Ger)**

AFFINITY, ANTIBODY see **ANTIBODY AFFINITY**

AFFINITY LABELING REAGENTS see **AFFINITY LABELS**

AFFINITY LABELS

Opium alkaloids and affinity labels. Archer S, et al. **NIDA Res Monogr** 1990;96:21–34 (20 ref.)

METABOLISM

Affinity labeling of nucleotide binding sites of enzymes and platelets. Colman RF. **Adv Exp Med Biol** 1990;281:257–63 (13 ref.)

Reversible and irreversible labelling of H1- and H2 -receptors using novel [125I] probes. Ruat M, et al. **Agents Actions Suppl** 1991;33:123–44 (37 ref.)

Affinity labeling of adenine nucleotide sites in enzymes. Colman RF, et al. **Ann N Y Acad Sci** 1990;603:417–26 (10 ref.)

AFLATOXINS

Biological evaluation of aflatoxins and metabolites in animal tissues. Park DL, et al. **Drug Metab Rev** 1990; 22(6–8):871–90 (67 ref.)

PHARMACOKINETICS

Risk assessment for aflatoxin: I. Metabolism of aflatoxin B1 by different species. Gorelick NJ. **Risk Anal** 1990 Dec; 10(4):539–59 (159 ref.)

POISONING

Clinical implications of food contaminated by aflatoxins. Hendrickse RG. **Ann Acad Med Singapore** 1991 Jan;

20(1):84–90 (45 ref.)
Risk assessment for aflatoxin: II. Implications of human epidemiology data. Bruce RD. **Risk Anal** 1990 Dec; 10(4):561–9 (30 ref.)
Detection and detoxification of aflatoxins: prevention of aflatoxicosis and aflatoxin residues with hydrated sodium calcium aluminosilicate. Phillips TD, et al. **Vet Hum Toxicol** 1990;32 Suppl:15–9 (18 ref.)

TOXICITY

Biological reactive intermediates of bisfuranoid mycotoxins. Hsieh DP. **J Toxicol Sci** 1990 Dec;15 Suppl 4:152–8 (24 ref.)

AFP see **ALPHA FETOPROTEINS**

AFRICAN LYMPHOMA see **BURKITT'S LYMPHOMA**

AFRICAN SWINE FEVER VIRUS

ANALYSIS

[Polypeptides of African swine fever virus] Kolontsov AA. **Mol Gen Mikrobiol Virusol** 1990 Jun;(6):3–7 (35 ref.) (Eng. Abstr.) **(Rus)**

AFTER CARE

METHODS

Case management in addictions treatment. Graham K, et al. **J Subst Abuse Treat** 1990;7(3):181–8 (30 ref.)
[Prevention and after-care of suicidal behavior—a literature review] Stenager EN. **Nord Med** 1991;106(5):160–3 (15 ref.) (Eng. Abstr.) **(Dan)**

AGAMMAGLOBULINEMIA

DIAGNOSIS

Diagnostic evaluation of humoral immunity. Virella G. **Immunol Ser** 1990;50:285–302 (5 ref.)
Hypogammaglobulinemia and asthma: do any patients with asthma have deficiency of antibody? Smith TF. **J Asthma** 1989;26(1):5–13 (48 ref.)

GENETICS

Dermatomyositis-like syndrome in X-linked hypogammaglobulinemia. Case-report and review of the literature. Thyss A, et al. **Acta Derm Venereol (Stockh)** 1990;70(4):309–13 (20 ref.)
A new familial immunodeficiency disorder characterized by severe neutropenia, a defective marrow release mechanism, and hypogammaglobulinemia. Wetzler M, et al. **Am J Med** 1990 Nov;89(5):663–72 (38 ref.)
Central MHC genes, IgA deficiency and autoimmune disease [see comments] French MA, et al. **Immunol Today** 1990 Aug;11(8):271–4 (52 ref.) Comment in: Immunol Today 1991 Apr;12(4):134–6.

PATHOLOGY

Cellular abnormalities in common variable immunodeficiency. Spickett GP, et al. **Immunodefic Rev** 1990;2(3):199–219 (108 ref.)

AGAR DILUTION COUNT see **COLONY COUNT, MICROBIAL**

AGAROSE see **SEPHAROSE**

AGE FACTORS

Health and aging among American Indians: issues and challenges for the biobehavioral sciences. Manson SM, et al. **Am Indian Alsk Native Ment Health Res** 1988;1 MONO 1:160–200 discussion 201–10 (17 ref.)
Understanding the effects of age, period, and cohort on incidence and mortality rates. Holford TR. **Annu Rev Public Health** 1991;12:425–57 (46 ref.)

AGE-RELATED OSTEOPOROSIS see **OSTEOPOROSIS**

AGE-SEX DISTRIBUTION see **AGE FACTORS**

AGED

see related
HEALTH SERVICES FOR THE AGED
HOMES FOR THE AGED
PENSIONS

Surgery in the aged. Koruda MJ, et al. **Adv Surg** 1991; 24:293–331 (182 ref.)
Safety of surgery in elderly. Pringle R. **Ann Acad Med Singapore** 1991 Mar;20(2):260–4 (18 ref.)
Drugs and the elderly. Bird HA. **Ann Rheum Dis** 1990 Dec; 49(12):1021–4 (21 ref.)
Sexuality and aging. An overview. Comfort A, et al. **Clin Geriatr Med** 1991 Feb;7(1):1–7 (0 ref.)
The role of medications in geriatric sexual function. Deamer RL, et al. **Clin Geriatr Med** 1991 Feb;7(1):95–111 (46 ref.)
Sexuality and impotence in the aging man. Kaiser FE. **Clin Geriatr Med** 1991 Feb;7(1):63–72 (49 ref.)
Counseling and therapy for sexual problems in the elderly. LoPiccolo J. **Clin Geriatr Med** 1991 Feb;7(1):161–79 (29 ref.)
Endocrine factors in geriatric sexuality. Morley JE. **Clin Geriatr Med** 1991 Feb;7(1):85–93 (48 ref.)
Understanding digoxin use in the elderly patient. Tsang P, et al. **Clin Lab Med** 1990 Sep;10(3):479–92 (50 ref.)
Rowing and sculling and the older athlete. Boland AL, et al. **Clin Sports Med** 1991 Apr;10(2):245–56 (11 ref.)
Alpine skiing and the mature athlete. Burns TP, et al. **Clin Sports Med** 1991 Apr;10(2):327–42 (89 ref.)
Arthritis and athletics. Dorr LD. **Clin Sports Med** 1991 Apr; 10(2):343–57 (12 ref.)
Climbing and the older athlete. Hartsock LA, et al. **Clin Sports Med** 1991 Apr;10(2):257–67 (45 ref.)
Golf for the mature athlete. Jobe FW, et al. **Clin Sports Med** 1991 Apr;10(2):269–82 (7 ref.)
The senior tennis player. Leach RE, et al. **Clin Sports Med** 1991 Apr;10(2):283–90 (12 ref.)
Cycling and the older athlete. McLennan JG, et al. **Clin Sports Med** 1991 Apr;10(2):291–9 (14 ref.)
Swimming and the older athlete. Richardson AB, et al. **Clin Sports Med** 1991 Apr;10(2):301–18 (18 ref.)
Nutrition of the older athlete. Rock CL. **Clin Sports Med** 1991 Apr;10(2):445–57 (44 ref.)
Musculoskeletal conditioning of the older athlete. Seto JL, et al. **Clin Sports Med** 1991 Apr;10(2):401–29 (25 ref.)
Running and the older athlete. Ting AJ. **Clin Sports Med** 1991 Apr;10(2):319–25 (20 ref.)
The elderly in acute care: a literature review. Alexander T. **Dimens Health Serv** 1990 Jun–Jul;67(5):27–33 (86 ref.)
Hypnotics in the elderly. What cause for concern? Morgan K. **Drugs** 1990 Nov;40(5):688–96 (60 ref.)
Senior centers and minority elders: a critical review. Ralston PA. **Gerontologist** 1991 Jun;31(3):325–31 (65 ref.)
Anthropometry of the elderly: status and recommendations. Kelly PL, et al. **Hum Factors** 1990 Oct;32(5):571–95 (100 ref.)
The natural history of functional morbidity in hospitalized older patients. Hirsch CH, et al. **J Am Geriatr Soc** 1990 Dec;38(12):1296–303 (15 ref.)
Congestive heart failure in the elderly. Luchi RJ, et al. **J Am Geriatr Soc** 1991 Aug;39(8):810–25 (194 ref.)
Clinical review 24: Androgens in the aging male. Vermeulen A. **J Clin Endocrinol Metab** 1991 Aug;73(2):221–4 (7 ref.)
Risks of hunger in the elderly. Roe DA. **J Environ Pathol Toxicol Oncol** 1990 Jul–Oct; 10(4–5):198–205 (47 ref.)
Adolescent and elderly white male suicide trends: evidence of changing well-being? McCall PL. **J Gerontol** 1991 Jan; 46(1):S43–51 (41 ref.)
Urinary incontinence. Not a 'normal' part of aging. Baum N, et al. **Postgrad Med** 1991 Aug;90(2):99–102, 107–9 (17 ref.)
Preventing falls in your elderly patients. Costa AJ. **Postgrad Med** 1991 Jan;89(1):139–40, 142 (18 ref.)
Treatment of depression in the elderly: a Canadian view. Ancill RJ, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(5):655–61 (11 ref.)
Evaluating the older insurance applicant. Taler GA. **Trans Assoc Life Insur Med Dir Am** 1991;74:53–64 (58 ref.)
Polyunsaturated fatty acids and the health of the elderly. Rudman D, et al. **World Rev Nutr Diet** 1991;66:143–60 (79 ref.)
[The uniqueness of drug therapy in the aged] Platt D. **Pharm Unserer Zeit** 1991 Jan;20(1):32–6 (12 ref.) **(Ger)**
[The effect of soybean protein on lipids and trace elements in elderly hospitalized women] Regöly-Mérei A, et al. **Orv Hetil** 1991 Jul 14;132(28):1523–6 (33 ref.) (Eng. Abstr.) **(Hun)**
[Drug therapy of elderly patients] Galeotta G, et al. **Clin Ter** 1990 Nov 15;135(3):181–92 (27 ref.) (Eng. Abstr.) **(Ita)**
[Food guidelines and nutritional goals for aging] Horwitz A. **Arch Latinoam Nutr** 1988 Sep;38(3):723–49 (23 ref.) (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

The psychology of the aging athlete. Moss N. **Clin Sports Med** 1991 Apr;10(2):431–44 (21 ref.)
Mental health and the elderly. Special needs, special skills. Creel FL, et al. **J Fla Med Assoc** 1990 Aug;77(8):748–51 (6 ref.)
The quality of the last year of life of older persons. Lawton MP, et al. **Milbank Q** 1990;68(1):1–28 (25 ref.)
[Adaptation problems in old age] Zádník P, et al. **Cesk Psychiatr** 1990 Oct;86(5):346–54 (96 ref.) (Eng. Abstr.) **(Cze)**
[Rehabilitation in old age: a neuropsychological perspective] Fernández Merino V, et al. **Arch Neurobiol (Madr)** 1990 Mar–Apr;53(2):81–3 (10 ref.) (Eng. Abstr.) **(Spa)**

AGED ABUSE see **ELDER ABUSE**

AGED, 80 AND OVER

Aging, longevity, and cancer: studies in Down's syndrome and centenarians. Franceschi C, et al. **Ann N Y Acad Sci** 1991;621:428–40 (48 ref.)

AGENCY FOR HEALTH CARE POLICY AND RESEARCH see **UNITED STATES AGENCY FOR HEALTH CARE POLICY AND RESEARCH**

AGEPC see **PLATELET ACTIVATING FACTOR**

AGGLUTINATION TESTS

Serologic diagnosis of human brucellosis: analysis of 214 cases by agglutination tests and review of the literature. Young EJ. **Rev Infect Dis** 1991 May–Jun;13(3):359–72 (107 ref.)

AGGLUTININS

ANALYSIS

Life-threatening, antiglobulin test-negative, acute autoimmune hemolytic anemia due to a non-complement-activating IgG1 kappa cold antibody with Pra specificity. Curtis BR, et al. **Transfusion** 1990 Nov–Dec;30(9):838–43 (30 ref.)

AGGLUTININS, PLANT see **LECTINS**

AGGREGATION BIAS see **BIAS (EPIDEMIOLOGY)**

AGGREGATION, RECEPTOR see **RECEPTOR AGGREGATION**

AGGRESSION

Serotonin in obsessions, compulsions, and the control of aggressive impulses. Insel TR, et al. **Ann N Y Acad Sci** 1990;600:574–85; discussion 585–6 (63 ref.)
Aggressive behavior in birds: an experimental model for studies of brain-steroid interactions. Schlinger BA, et al. **Comp Biochem Physiol [A]** 1990;97(3):307–16 (79 ref.)
Treatment of destructive behaviors in persons with developmental disabilities. **J Autism Dev Disord** 1990 Sep; 20(3):403–29; discussion 431–2 (0 ref.)
Evidence that lack of brain dopamine during development can increase the susceptibility for aggression and self-injurious behavior by influencing D1-dopamine receptor function. Breese GR, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990;14 Suppl:S65–80 (52 ref.)
A possible role of proopiomelanocortin peptides in self-injurious behavior. Herman BH. **Prog Neuropsychopharmacol Biol Psychiatry** 1990;14 Suppl:S109–39 (144 ref.)
The behavioral neurobiology of self-injurious behavior in rhesus monkeys. Kraemer GW, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990;14 Suppl:S141–68 (74 ref.)
A review of pharmacological agents for self-injurious behavior. Luchins DJ. **Prog Neuropsychopharmacol Biol Psychiatry** 1990;14 Suppl:S169–79 (38 ref.)
Self-injurious behavior. Introduction. Luchins DJ. **Prog Neuropsychopharmacol Biol Psychiatry** 1990;14 Suppl:S63–4 (0 ref.)
Feline aggression. Classification, diagnosis, and treatment. Chapman BL. **Vet Clin North Am Small Anim Pract** 1991 Mar;21(2):315–27 (24 ref.)
Canine aggression toward people. Bite scenarios and prevention. Wright JC. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):299–314 (48 ref.)
Tourette's disorder and associated complex behaviors: a case report. McDougle CJ, et al. **Yale J Biol Med** 1990 May–Jun;63(3):209–14 (35 ref.)

DRUG EFFECTS

Metoprolol for aggressive behavior in persons with mental retardation. Kastner T, et al. **Am Fam Physician** 1990 Dec; 42(6):1585–8 (28 ref.)
Pharmacologic management of aggression in the elderly. Yudofsky SC, et al. **J Clin Psychiatry** 1990 Oct;51 Suppl:22–8; discussion 29–32 (44 ref.)
Disinhibitory reactions to benzodiazepines: a review. van der Bijl P, et al. **J Oral Maxillofac Surg** 1991 May;49(5):519–23 (54 ref.)
Serenics, serotonin and aggression. Olivier B, et al. **Prog Clin Biol Res** 1990;361:203–30 (82 ref.)

PHYSIOLOGY

Psychobiology of ictal aggression. Treiman DM. **Adv Neurol** 1991;55:341–56 (79 ref.)
The influence of testosterone on human aggression. Archer J. **Br J Psychol** 1991 Feb;82 (Pt 1):1–28 (150 ref.)
Cholinergic mechanisms in aggressive behaviour. Allikmets LH. **Med Biol** 1974 Feb;52(1):19–30 (75 ref.)
The characterization and modelling of antipredator defensive behavior. Blanchard RJ, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):463–72 (42 ref.)
Logistic analysis of the defense reaction induced by electrical stimulation of the rat mesencephalic tectum. Schenberg LC, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):473–9 (39 ref.)
An ethological model for the study of activation and interaction of pain, memory and defensive systems in the attacked mouse. Role of endogenous opioids. Siegfried B.

et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):481–90 (115 ref.)
Serotonergic dysfunction and aggression control [editorial] Van Praag HM. **Psychol Med** 1991 Feb;21(1):15–9 (39 ref.)
Neurology of aggression and episodic dyscontrol. Elliott FA. **Semin Neurol** 1990 Sep;10(3):303–12 (80 ref.)

PSYCHOLOGY

Abuse and neglect in schools. Sugar M. **Am J Psychother** 1990 Oct;44(4):484–98 (41 ref.)
Environmental and biological incidences over predatory aggression in rodents. Haug M, et al. **Comp Biochem Physiol A** 1991;99(3):285–93 (91 ref.)
Aggression and love in the relationship of the couple. Kernberg OF. **J Am Psychoanal Assoc** 1991;39(1):45–70 (21 ref.)
Assaultive behavior. Does provocation begin in the front office? Blair DT. **J Psychosoc Nurs Ment Health Serv** 1991 May;29(5):21–6 (38 ref.)
How therapeutic is therapeutic holding? Wong SE, et al. **J Psychosoc Nurs Ment Health Serv** 1990 Nov;28(11):24–8 (17 ref.)
Violent patients. Are you prepared to deal with them? Blumenreich P, et al. **Postgrad Med** 1991 Aug;90(2):201–6 (12 ref.)
Modification of childhood aggression. Lochman JE. **Prog Behav Modif** 1990;25:47–85 (95 ref.)
Profiling of wife assaulters: preliminary evidence for a trimodal analysis. Dutton DG. **Violence Vict** 1988 Spring; 3(1):5–29 (110 ref.)
Crime at home and in the streets: the relationship between family and stranger violence. Fagan J, et al. **Violence Vict** 1987 Spring;2(1):5–23 (110 ref.)

AGING

Morphometric analysis of large artery structure in arterial hypertension and aging: reversal of lesions after treatment. Salzmann JL, et al. **Adv Nephrol Necker Hosp** 1991; 20:57–72 (45 ref.)
Expression of lactase during development [editorial] Kretchmer N. **Am J Hum Genet** 1989 Oct;45(4):487–8 (17 ref.)
Human longevity and aging: possible role of reactive oxygen species. Cutler RG. **Ann N Y Acad Sci** 1991;621:1–28 (42 ref.)
Morphological studies on brown adipose tissue in the bat and in humans of various ages. Ito T, et al. **Arch Histol Cytol** 1991 Mar;54(1):1–39 (72 ref.)
Lesser metatarsalgia in the geriatric patient. Helfand AE. **Clin Podiatr Med Surg** 1990 Oct;7(4):743–9 (16 ref.)
Overview of geriatric nutrition. Curran J. **Dysphagia** 1990; 5(2):72–6 (18 ref.)
Protein glycation and oxidative stress in diabetes mellitus and ageing. Wolff SP, et al. **Free Radic Biol Med** 1991; 10(5):339–52 (103 ref.)
Aging. Litvak J, et al. **Infect Dis Clin North Am** 1991 Jun; 5(2):353–63 (52 ref.)
The perspectives of federal programs. Adelson R. **J Am Coll Dent** 1991 Summer;58(2):26–30 (34 ref.)
The effect on the dental curriculum. Douglass CW. **J Am Coll Dent** 1991 Summer;58(2):17–21 (28 ref.)
Dental insurance and senior Americans. Olsen ED. **J Am Coll Dent** 1991 Summer;58(2):22–5 (0 ref.)
The aging hip. St. Louis University Geriatric Grand Rounds [clinical conference] Pierron RL, et al. **J Am Geriatr Soc** 1990 Dec;38(12):1339–52 (109 ref.)
Can an index of aging be constructed for evaluating treatments to retard aging rates? A 2,462-person study. Hochschild R. **J Gerontol** 1990 Nov;45(6):B187–214 (97 ref.)
Biomarkers of aging: do we know what to look for? Mooradian AD. **J Gerontol** 1990 Nov;45(6):B183–6 (30 ref.)
Lavender and gray: a brief survey of lesbian and gay aging studies. Cruikshank M. **J Homosex** 1990;20(3–4):77–87 (22 ref.)
Ageism in cancer care of the elderly. Derby SE. **Oncol Nurs Forum** 1991 Jul;18(5):921–6 (49 ref.)
The creative process: a functional model based on empirical studies from early childhood to middle age. Smith GJ, et al. **Psychol Issues** 1990;(57):1–243 (172 ref.)
[Age-related inner ear injuries and presbycusis] Pu G, et al. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1988;23(6):374–5 (12 ref.) **(Chi)**
[Therapeutics and arterial aging. Antiaggregants] Decamps A, et al. **Ann Cardiol Angeiol (Paris)** 1991 Jun;40(6):377–84 (23 ref.) **(Fre)**
[Malignant tumors of the vulva. Incidence and epidemiologic characteristics] Iacobellis G, et al. **Minerva Ginecol** 1990 Jul–Aug;42(7–8):293–6 (23 ref.) (Eng. Abstr.) **(Ita)**
[Aging and diabetes mellitus] Akanuma Y. **Nippon Ronen Igakkai Zasshi** 1991 Mar;28(2):135–9 (6 ref.) **(Jpn)**
[On the life span and aging] Tauchi H. **Nippon Ronen Igakkai Zasshi** 1990 May;27(3):265–73 (19 ref.) **(Jpn)**
[Aging and graves' disease] Yamada T. **Nippon Ronen Igakkai Zasshi** 1991 Mar;28(2):129–34 (6 ref.) **(Jpn)**

BLOOD

Modifications of blood rheology during aging and age-related pathological conditions. Dintenfass L. **Aging (Milano)** 1989;1(2):99–125 (185 ref.)
The management of diabetes mellitus in older individuals. Morley JE, et al. **Drugs** 1991 Apr;41(4):548–65 (139 ref.)
An examination of research design effects on the association of testosterone and male aging: results of a meta-analysis. Gray A, et al. **J Clin Epidemiol** 1991;44(7):671–84 (99 ref.)
[Relation between kidney-deficiency, aging and free radicle-influence of tonifying kidney of free redicle] Liang XC. **Chung Hsi I Chieh Ho Tsa Chih** 1990 Aug;10(8):511–2 (18 ref.) **(Chi)**
[Age-related differences in hematopoietic progenitor cells and the problems of carcinogenesis] Brilliant MD, et al. **Ter Arkh** 1990;62(7):15–20 (22 ref.) (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Review: antioxidant protection of the ageing macula. Gerster H. **Age Ageing** 1991 Jan;20(1):60–9 (63 ref.)
Geriatric pharmacokinetics and the kidney. Bennett WM. **Am J Kidney Dis** 1990 Oct;16(4):283–8 (32 ref.)
[Geriatric drugs—delayed aging, fountain of youth or profit out of aging?] Platt D. **Verh Dtsch Ges Inn Med** 1990; 96:310–8 (17 ref.) **(Ger)**
[Antidepressive medication in older patients with cardiovascular ailments] Chiriță V, et al. **Rev Med Chir Soc Med Nat Iasi** 1990 Jan–Mar;94(1):87–90 (27 ref.) (Eng. Abstr.) **(Rum)**

GENETICS

DNA sequence changes in aging: how frequent, how important? Vijg J. **Aging (Milano)** 1990 Jun;2(2):105–23 (128 ref.)
Genetic diseases of premature aging as models of senescence. Brown WT. **Annu Rev Gerontol Geriatr** 1990;10:23–42 (66 ref.)
Molecular genetic approaches to mechanisms of senescence. Goldstein S. **Annu Rev Gerontol Geriatr** 1990;10:97–116 (79 ref.)
Molecular biology of aging, Part I: An introduction to laboratory techniques of molecular biology. Mooradian AD, et al. **J Am Geriatr Soc** 1991 Jun;39(6):611–9 (64 ref.)
DNA damage metabolism and aging. Mullaart E, et al. **Mutat Res** 1990 Sep–Nov;237(5–6):189–210 (202 ref.)
Evolution of senescence: late survival sacrificed for reproduction. Kirkwood TB, et al. **Philos Trans R Soc Lond [Biol]** 1991 Apr 29; 332(1262):15–24 (79 ref.)
Trophic regulation of basal forebrain gene expression in aging and Alzheimer's disease. Higgins GA, et al. **Prog Brain Res** 1990;86:239–55 (87 ref.)
Down syndrome and the trisomy 16 mouse: impact of gene imbalance on brain development and aging. Coyle JT, et al. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:85–99 (73 ref.)
[Mitochondrial DNA mutations as a factor of the aging process and degenerative changes] Jendryczko A, et al. **Przegl Lek** 1990;47(9):645–7 (25 ref.) **(Pol)**
[Prospects for research on the modulation of gene activity during brain aging] Finch KE. **Fiziol Zh** 1990 Sep–Oct; 36(5):55–62 (39 ref.) (Eng. Abstr.) **(Rus)**
[Genoregulatory mechanisms of aging as a basis for the development of age-related pathology] Frol'kis VV. **Fiziol Zh** 1990 Sep–Oct;36(5):3–11 (28 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Electroimmunology: membrane potential, ion-channel activities, and stimulatory signal transduction in human T lymphocytes from young and elderly. Damjanovich S, et al. **Ann N Y Acad Sci** 1991;621:29–39 (44 ref.)
The decline of the immune response during aging: the role of an altered lipid metabolism. Wick G, et al. **Ann N Y Acad Sci** 1991;621:277–90 (49 ref.)
T-cell function in aging: mechanisms of decline. Murasko DM, et al. **Annu Rev Gerontol Geriatr** 1990;10:71–96 (75 ref.)
Accumulation of hyporesponsive, calcium extruding memory T cells as a key feature of age-dependent immune dysfunction. Miller RA. **Clin Immunol Immunopathol** 1991 Mar;58(3):305–17 (46 ref.)
Cell mediated immunity in ageing. Solana R, et al. **Comp Biochem Physiol A** 1991;99(1–2):1–4 (51 ref.)
T-cell surface determinants and function in aging. Schwab R, et al. **Immunol Ser** 1989;45:317–31 (75 ref.)
Aging and immune function. Miller RA. **Int Rev Cytol** 1991; 124:187–215 (195 ref.)
A proinflammatory mediator with potential relevance in aging. Beutler B. **J Am Geriatr Soc** 1990 Sep;38(9):1027–36 (123 ref.)
Transient immunodepression. Verhoef J. **J Antimicrob Chemother** 1990 Nov;26 Suppl C:23–9 (37 ref.)
Age-associated changes in antibody-forming cells (B cells). Schulze DH, et al. **Proc Soc Exp Biol Med** 1991 Mar; 196(3):253–9 (77 ref.)
Altered immune status in the elderly. Simons RJ, et al. **Semin Respir Infect** 1990 Dec;5(4):251–9 (37 ref.)

METABOLISM

Aging and calcium metabolism. Fujita T. **Adv Second Messenger Phosphoprotein Res** 1990;24:542–7 (11 ref.)
Brain glucose and energy metabolism during normal aging. Hoyer S. **Aging (Milano)** 1990 Sep;2(3):245–58 (140 ref.)
Antioxidants and aging. Cutler RG. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):373S–379S (27 ref.)
Calcium absorption efficiency and calcium requirements in children and adolescents. Peacock M. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):261S–265S (40 ref.)
Role of free radicals in senescence. Allen RG. **Annu Rev Gerontol Geriatr** 1990;10:198–213 (66 ref.)
Altered protein metabolism in aging. Gafni A. **Annu Rev Gerontol Geriatr** 1990;10:117–31 (39 ref.)
Dietary restriction as a probe of mechanisms of senescence. Masoro EJ, et al. **Annu Rev Gerontol Geriatr** 1990; 10:183–97 (57 ref.)
Advanced nonenzymatic tissue glycosylation: cell-mediated interactions implicated in the complications associated with diabetes and aging. Vlassara H. **Blood Purif** 1990; 8(4):223–32 (43 ref.)
Effect of physical activity on age-related glucose intolerance. Laws A, et al. **Clin Geriatr Med** 1990 Nov;6(4):849–63 (72 ref.)
Neurochemical deficits in pathological brain aging: specificity and possible relevance for treatment strategies. Quirion R, et al. **Clin Neuropharmacol** 1990;13 Suppl 3:S73–80 (36 ref.)
Hepatic drug metabolism and aging. Durnas C, et al. **Clin Pharmacokinet** 1990 Nov;19(5):359–89 (320 ref.)
Effect of age on lymphocyte beta 2-adrenergic responsiveness. Rutledge DR, et al. **DICP** 1991 May; 25(5):532–8 (52 ref.)
Oxidative stress as a causal factor in differentiation and aging: a unifying hypothesis. Sohal RS, et al. **Exp Gerontol** 1990; 25(6):499–522 (182 ref.)
Effects of aging on postsynaptic alpha 1-adrenoceptor mechanisms in rat aorta. Takayanagi I, et al. **Gen Pharmacol** 1991;22(2):211–8 (37 ref.)
Managing geriatric arrhythmias, II: Drug selection and use [published erratum appears in Geriatrics 1991 Jun;46(6):100] Lynch RA, et al. **Geriatrics** 1991 Apr; 46(4):41–4, 49–52, 54 (16 ref.)
On the strategy of directed assembly and its relevance to ageing. Wagner AP. **Gerontology** 1990;36(3):132–9 (55 ref.)
Potential neurotrophic factors in the mammalian central nervous system: functional significance in the developing and aging brain. Araujo DM, et al. **Int Rev Neurobiol** 1990; 32:141–74 (301 ref.)
Age-related alterations of the growth hormone/insulin-like-growth-factor I axis. Kelijman M. **J Am Geriatr Soc** 1991 Mar;39(3):295–307 (156 ref.)
Molecular biology of aging. Part II: A synopsis of current research. Mooradian AD, et al. **J Am Geriatr Soc** 1991 Jul;39(7):717–23 (73 ref.)
Antimicrobial therapy for the elderly patient. Yoshikawa TT. **J Am Geriatr Soc** 1990 Dec;38(12):1353–72 (278 ref.)
Neurochemical aspects on aging and diseases with cognitive impairment. Gottfries CG. **J Neurosci Res** 1990 Dec; 27(4):541–7 (61 ref.)
The aging brain: protein phosphorylation as a target of changes in neuronal function. Magnoni MS, et al. **Life Sci** 1991;48(5):373–85 (88 ref.)
Effect of age on calcium and phosphate absorption. Role of 1,25-dihydroxyvitamin D. Armbrecht HJ. **Miner Electrolyte Metab** 1990;16(2–3):159–66 (46 ref.)
Aging reduces intestinal and skeletal receptors for 1,25-dihydroxyvitamin D. **Nutr Rev** 1991 Jun;49(6):189–91 (5 ref.)
Processing of dietary retinoids is slowed in the elderly. **Nutr Rev** 1991 Apr;49(4):116–9 (12 ref.)
Aging: hypothalamic catecholamines, neuroendocrine-immune interactions, and dietary restriction. Meites J. **Proc Soc Exp Biol Med** 1990 Dec; 195(3):304–11 (60 ref.)
Nonenzymatic glycation of collagen in aging and diabetes. Reiser KM. **Proc Soc Exp Biol Med** 1991 Jan;196(1):17–29 (124 ref.)
The Maillard reaction in vivo. Dyer DG, et al. **Z Ernahrungswiss** 1991 Feb;30(1):29–45 (38 ref.)
[Molecular basis of disease in old age and possibilities of its therapy] Valchář M. **Cesk Psychiatr** 1990 Jun;86(3):195–204 (66 ref.) **(Cze)**
[Eicosanoids and arterial aging] Larrue J, et al. **Ann Cardiol Angeiol (Paris)** 1991 May;40(5):259–64 (16 ref.) **(Fre)**
[Aging mechanisms of proteins] Gillery P, et al. **Diabete Metab** 1991 Jan–Feb;17(1):1–16 (88 ref.) (Eng. Abstr.) **(Fre)**
[The significance of the Maillard reaction in human physiology] Schleicher E. **Z Ernahrungswiss** 1991 Feb; 30(1):18–28 (46 ref.) (Eng. Abstr.) **(Ger)**
[Amyloidosis associated with aging] Yamada M, et al. **Nippon Rinsho** 1991 Apr;49(4):814–20 (20 ref.) **(Jpn)**
[Superoxide dismutases: significances in aging, diabetes, ischemia and cancer] Taniguchi N. **Rinsho Byori** 1990 Aug; 38(8):876–81 (24 ref.) (Eng. Abstr.) **(Jpn)**
[Effects of age and selected inductors of aromatic hydrocarbon hydroxylase (AHH) activity in the rat liver] Plewka A, et al. **Folia Med Cracov** 1990;31(3):147–56 (23 ref.) (Eng. Abstr.) **(Pol)**

[The role of active forms of oxygen in cell differentiation, neoplasm promotion and aging] Sikora E. **Postepy Biochem** 1989;35(4):563–74 (83 ref.) **(Pol)**

[Changes in the calcium transport systems of rat brain synaptosomes and their possible role in the pathophysiology of aging] Satrustegi D, et al. **Fiziol Zh** 1990 Sep–Oct;36(5):42–50 (41 ref.) (Eng. Abstr.) **(Rus)**

[Reactive oxygen metabolites, antioxidant activity, antioxidants and aging] Macejka J, et al. **Vnitr Lek** 1990 Sep;36(9):903–10 (29 ref.) (Eng. Abstr.) **(Slo)**

PATHOLOGY

Cell proliferation, cell death and aging. Franceschi C. **Aging (Milano)** 1989 Jun;1:1–13 (89 ref.)

Histology of the human endometrium: from birth to senescence. Ferenczy A, et al. **Ann N Y Acad Sci** 1991; 622:6–27 (61 ref.)

Vulnerability of the neuronal cytoskeleton in aging and Alzheimer disease: widespread involvement of all three major filament systems. Trojanowski JQ, et al. **Annu Rev Gerontol Geriatr** 1990;10:167–82 (59 ref.)

The renally compromised older hypertensive: therapeutic considerations. Weder AB. **Geriatrics** 1991 Feb;46(2):36–8, 43–8 (25 ref.)

Restoring the ageing dentition: repair or replacement? Ettinger RL. **Int Dent J** 1990 Oct;40(5):275–82 (58 ref.)

Microliposuction and autologous fat transplantation for aesthetic enhancement of the aging face. Asken S. **J Dermatol Surg Oncol** 1990 Oct;16(10):965–72 (36 ref.)

Histologic changes in skin associated with aging. Kurban RS, et al. **J Dermatol Surg Oncol** 1990 Oct;16(10):908–14 (59 ref.)

Cellular and molecular mechanisms of cutaneous aging. Yaar M, et al. **J Dermatol Surg Oncol** 1990 Oct;16(10):915–22 (60 ref.)

Involvement of free radicals in dementia of the Alzheimer type: a hypothesis. Volicer L, et al. **Neurobiol Aging** 1990 Sep–Oct;11(5):567–71 (66 ref.)

New approaches to therapy for neurodegenerative diseases. Schmechel DE. **South Med J** 1991 May;84(5 Suppl 1):S11–23 (96 ref.)

[The aging eyelid] Gola R, et al. **Rev Stomatol Chir Maxillofac** 1991;92(4):247–58 (21 ref.) (Eng. Abstr.) **(Fre)**

[Relation between aging and cancer] Sato T, et al. **Gan To Kagaku Ryoho** 1991 Jan;18(1):1–6 (18 ref.) (Eng. Abstr.) **(Jpn)**

[Apoptosis—controlled death of the cell] Berezhkov NV. **Arkh Anat Gistol Embriol** 1990 Dec;99(12):68–77 (110 ref.) **(Rus)**

[Structural reorganization of the brain synaptic membranes and aging] Konev SV, et al. **Fiziol Zh** 1990 Sep–Oct; 36(5):36–42 (23 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Audiological findings in elderly patients with chronic renal failure. Antonelli AR, et al. **Acta Otolaryngol Suppl (Stockh)** 1990;476:54–68 (55 ref.)

The age function of hearing—aspects of the epidemiology. Hinchcliffe R. **Acta Otolaryngol Suppl (Stockh)** 1990; 476:7–11 (20 ref.)

Central cholinergic functioning and aging. Müller WE, et al. **Acta Psychiatr Scand Suppl** 1991;366:34–9 (39 ref.)

The human substantia nigra and ventral tegmental area. A neuroanatomical study with notes on aging and aging diseases. van Domburg PH, et al. **Adv Anat Embryol Cell Biol** 1991;121:1–132 (0 ref.)

Is testicular function in immature rats increased rather than decreased by a moderate increase in temperature? Bergh AR. **Adv Exp Med Biol** 1991;286:179–82 (19 ref.)

Review: deterioration of glucose tolerance with age: the role of insulin resistance. Broughton DL, et al. **Age Ageing** 1991 May;20(3):221–5 (37 ref.)

Physiology of ageing: nutritional aspects. Masoro EJ. **Age Ageing** 1990 Jul;19(4):S5–9 (20 ref.)

Amino acids and proteins in relation to the nutrition of elderly people. Young VR. **Age Ageing** 1990 Jul; 19(4):S10–24 (94 ref.)

Cellular and synaptic alterations in the aging brain. Agnati LF, et al. **Aging (Milano)** 1990 Mar;2(1):5–25 (125 ref.)

Cell proliferation, cell death and aging. Franceschi C. **Aging (Milano)** 1989;1(1):3–15 (90 ref.)

The role of calcium regulation in brain aging: reexamination of a hypothesis [published erratum appears in Aging (Milano) 1989;1(2):II] Khachaturian ZS. **Aging (Milano)** 1989;1(1):17–34 (84 ref.)

Age-related changes in skeletal muscle function. McCarter RJ. **Aging (Milano)** 1990 Mar;2(1):27–38 (64 ref.)

Ventricular function in the elderly. Rengo F, et al. **Aging (Milano)** 1991 Mar;3(1):9–17 (55 ref.)

Clinical implications of pathophysiologic changes in the midlife hypertensive patient. Julius S. **Am Heart J** 1991 Sep;122(3 (Pt 2):886–91 (43 ref.)

Therapeutic considerations in the elderly hypertensive. The role of calcium channel blockers. Black HR. **Am J Hypertens** 1990 Dec;3(12 Pt 2):347S–354S (95 ref.)

Overview: renal physiology and pathophysiology of aging. Lindeman RD. **Am J Kidney Dis** 1990 Oct;16(4):275–82 (45 ref.)

Nutritional causes of renal impairment in old age. Rudman D, et al. **Am J Kidney Dis** 1990 Oct;16(4):289–95 (71 ref.)

The aging hypertensive kidney: pathophysiology and therapeutic options. Bauer JH, et al. **Am J Med** 1991 Apr 25;90(4B):21S–27S (74 ref.)

Neuromuscular blocking agents in paediatric patients: influence of age on the response. Meretoja OA. **Anaesth Intensive Care** 1990 Nov;18(4):440–8 (61 ref.)

The ambiguous relation between aging and adverse drug reactions. Gurwitz JH, et al. **Ann Intern Med** 1991 Jun 1;114(11):956–66 (104 ref.)

Neuropsychological testing for evaluation of brain aging. Derouesné C. **Ann Med Interne (Paris)** 1990;141 Suppl 1:27–30 (28 ref.)

Clinical correlations of the neurobiological changes of aging. Procter AW, et al. **Ann Med Interne (Paris)** 1990;141 Suppl 1:3–6 (38 ref.)

Effects of factors prolonging life span on carcinogenesis. Anisimov VN. **Ann N Y Acad Sci** 1991;621:373–84 (62 ref.)

Pathogenetic approaches to prevention of age-associated increase of cancer incidence. Dilman VM. **Ann N Y Acad Sci** 1991;621:385–400 (43 ref.)

Aging, longevity, and cancer: studies in Down's syndrome and centenarians. Franceschi C, et al. **Ann N Y Acad Sci** 1991;621:428–40 (48 ref.)

Aging of the reproductive-neuroimmune axis. A crucial role for the hypothalamic neuropeptide luteinizing hormone-releasing hormone. Marchetti B, et al. **Ann N Y Acad Sci** 1991;621:159–73 (46 ref.)

Genetic and environmental modulations of chromosomal stability: their roles in aging and oncogenesis. Martin GM. **Ann N Y Acad Sci** 1991;621:401–17 (91 ref.)

Retardation of the aging processes in rats by food restriction. Masoro EJ, et al. **Ann N Y Acad Sci** 1991;621:337–52 (27 ref.)

Food restriction slows down age-related changes in cell membrane parameters. Pieri C. **Ann N Y Acad Sci** 1991; 621:353–62 (67 ref.)

Monoclonal B-cell proliferative disorders and aging. Radl J. **Ann N Y Acad Sci** 1991;621:418–27 (47 ref.)

Phospholipase A2 as a "death trigger" in the aging process. The use of PLA2 inhibitors as antiaging substances. Regelson W, et al. **Ann N Y Acad Sci** 1991;621:262–76 (64 ref.)

Do temporal relationships in conditioning change across the life span? Perspectives from eyeblink conditioning in humans and rabbits. Solomon PR, et al. **Ann N Y Acad Sci** 1990;608:212–32; discussion 232–8 (67 ref.)

Two dozen current problems in neuroimmunomodulation, aging, and cancer research; the second Stromboli cocktail; further rambunctious remarks. Spector NH. **Ann N Y Acad Sci** 1991;621:441–6 (1 ref.)

Age-dependent alterations in the operations of hippocampal neural networks. Swann JW, et al. **Ann N Y Acad Sci** 1991; 627:264–76 (47 ref.)

DNA processing, aging, and cancer. The impact of new technology. Vijg J, et al. **Ann N Y Acad Sci** 1991;621:53–65 (38 ref.)

Neurobiological substrates of classical conditioning across the life span. Woodruff-Pak DS, et al. **Ann N Y Acad Sci** 1990;608:150–73; discussion 174–8 (104 ref.)

Overview of biological mechanism of aging. Cristofalo VJ. **Annu Rev Gerontol Geriatr** 1990;10:1–22 (72 ref.)

Skeletal muscle weakness and fatigue in old age: underlying mechanisms. Faulkner JA, et al. **Annu Rev Gerontol Geriatr** 1990;10:147–66 (65 ref.)

Mechanisms of altered hormone-neurotransmitter action during aging: from receptors to calcium mobilization. Roth GS. **Annu Rev Gerontol Geriatr** 1990;10:132–46 (81 ref.)

Pharmacokinetic basis of age-related changes in sensitivity to toxicants. Birnbaum LS. **Annu Rev Pharmacol Toxicol** 1991;31:101–28 (281 ref.)

Lipids, vascular disease, and dementia with advancing age. Epidemiologic considerations. Zimetbaum P, et al. **Arch Intern Med** 1991 Feb;151(2):240–4 (47 ref.)

Rehabilitation in spinal cord disorders. 4. Outcomes and issues of aging after spinal cord injury. Lammertse DP, et al. **Arch Phys Med Rehabil** 1991 Mar;72(4–S):S309–11 (10 ref.)

Age-related changes in autonomic control: the use of beta blockers in the treatment of hypertension. Collins KJ. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1257–62 (43 ref.)

Hypertension in the elderly. Larochelle P. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 5:947–50 (24 ref.)

Reflex control of circulation in the elderly. Mancia G, et al. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1223–8 (27 ref.)

Required beta blocker profile in the elderly. Opie LH. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1273–80 (47 ref.)

Neuroendocrine mechanisms and cardiovascular homeostasis in the elderly. Phillips PA, et al. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1209–13 (44 ref.)

Cerebral blood flow in the elderly: impact of hypertension and antihypertensive treatment. Strandgaard S. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1217–21 (34 ref.)

Treatment considerations for the hypertensive patient over age 55. Tifft CP. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV72–8; discussion IV83–90 (70 ref.)

Hypertension and ageing. Lindholm L. **Clin Exp Hypertens [A]** 1990;12(5):745–59 (22 ref.)

General perspectives on the aged gut. Holt PR. **Clin Geriatr Med** 1991 May;7(2):185–9 (20 ref.)

Skeletal alterations as a basis for facial rejuvenation. Whitaker LA, et al. **Clin Plast Surg** 1991 Jan;18(1):197–203 (21 ref.)

Exercise and the elderly. Elia EA. **Clin Sports Med** 1991 Jan;10(1):141–55 (37 ref.)

Athletic participation after myocardial revascularization. Possibilities and benefits. Kay GL. **Clin Sports Med** 1991 Apr;10(2):371–89 (65 ref.)

The aging of bone and muscle. Wilmore JH. **Clin Sports Med** 1991 Apr;10(2):231–44 (61 ref.)

The validity of animal models in the search for drugs for the aging brain. Pepeu G, et al. **Drug Des Deliv** 1990 Dec; 7(1):1–10 (80 ref.)

Chronopharmacological actions of the pineal gland. Brown GM. **Drug Metabol Drug Interact** 1990;8(3–4):189–201 (41 ref.)

Adverse reactions and interactions with aspirin. Considerations in the treatment of the elderly patient. Karsh J. **Drug Saf** 1990 Sep–Oct;5(5):317–27 (74 ref.)

Problems and pitfalls in the use of benzodiazepines in the elderly. Kruse WH. **Drug Saf** 1990 Sep–Oct;5(5):328–44 (205 ref.)

Nutrition and the older adult. Granieri E. **Dysphagia** 1990; 4(4):196–201 (20 ref.)

Similar myocardial effects of aging and hypertension. Lakatta EG. **Eur Heart J** 1990 Nov;11 Suppl G:29–38 (104 ref.)

The central control and ontogeny of circadian rhythmicity. Rietveld WJ. **Eur J Morphol** 1990;28(2–4):301–7 (23 ref.)

Cellular activity, matrix proteins, and aging bone. Termine JD. **Exp Gerontol** 1990;25(3–4):217–21 (32 ref.)

The neurology of aging: normal versus pathologic change. Morris JC, et al. **Geriatrics** 1991 Aug;46(8):47–8, 51–4 (33 ref.)

Unique aspects of respiratory disease in the aged. Webster JR, et al. **Geriatrics** 1991 Jul;46(7):31–4, 39–40, 43 (15 ref.)

Drosophila to bacteriophage to erythrocyte: the erythrocyte as a model for molecular and membrane aging of terminally differentiated cells. Kay MM. **Gerontology** 1991; 37(1–3):5–32 (114 ref.)

Mechanisms of protection against damage mediated by the Maillard reaction in aging. Monnier VM, et al. **Gerontology** 1991;37(1–3):152–65 (56 ref.)

Protein, lipid and DNA repair systems in oxidative stress: the free-radical theory of aging revisited. Pacifici RE, et al. **Gerontology** 1991;37(1–3):166–80 (84 ref.)

Methodology of sodium sensitivity assessment. The example of age and sex. Grobbee DE. **Hypertension** 1991 Jan;17(1 Suppl):I109–14 (46 ref.)

Presbyopia and the dentist: the effect of age on clinical vision [published erratum appears in Int Dent J 1991 Feb;41(1):54] Burton JF, et al. **Int Dent J** 1990 Oct;40(5):303–12 (19 ref.)

Pre- and post-synaptic cholinergic dysfunction in aged rodent brain regions: new findings and an interpretative review. Sherman KA, et al. **Int J Dev Neurosci** 1990; 8(6):689–708 (140 ref.)

Possible role of pineal melatonin in the mechanisms of aging. Sandyk R. **Int J Neurosci** 1990 May;52(1–2):85–92 (54 ref.)

A unified theory of aging. Morse DR, et al. **Int J Psychosom** 1990;37(1–4):5–24 (75 ref.)

Chronobiology and aging. Brock MA. **J Am Geriatr Soc** 1991 Jan;39(1):74–91 (207 ref.)

Pain management in elderly people. Ferrell BA. **J Am Geriatr Soc** 1991 Jan;39(1):64–73 (94 ref.)

Exercise, functional decline and frailty [editorial] Larson EB. **J Am Geriatr Soc** 1991 Jun;39(6):635–6 (12 ref.)

Clinical review 24: Androgens in the aging male. Vermeulen A. **J Clin Endocrinol Metab** 1991 Aug;73(2):221–4 (7 ref.)

The onset age of periodontal destruction. van der Velden U. **J Clin Periodontol** 1991 Jul;18(6):380–3 (25 ref.)

Ontogenesis of transmembrane signaling systems for control of cardiac Ca2+ channels. Kojima M, et al. **J Dev Physiol** 1990 Oct;14(4):181–219 (236 ref.)

Calcium and vascular reactivity in aging and hypertension [editorial] Wadsworth RM. **J Hypertens** 1990 Nov; 8(11):975–83 (137 ref.)

Cholinergic receptors in human brain: effects of aging and Alzheimer disease. Giacobini E. **J Neurosci Res** 1990 Dec; 27(4):548–60 (98 ref.)

Neuroendocrine regulation of pulsatile luteinizing hormone secretion in elderly men. Kaufman JM, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):421–30 (42 ref.)

Melatonin: a chronobiotic with anti-aging properties? Armstrong SM, et al. **Med Hypotheses** 1991 Apr; 34(4):300–9 (127 ref.)

Quantitation of synaptic density in the septal nuclei of young and aged Fischer 344 rats. Scheff SW, et al. **Neurobiol Aging** 1991 Jan–Feb;12(1):3–12 (60 ref.)

Young-onset Parkinson's disease: a clinical review. Golbe LI. **Neurology** 1991 Feb;41(2 (Pt 1)):168–73 (65 ref.)

Risk assessment: the insidious nature of neurotoxicity and the aging brain. Weiss B. **Neurotoxicology** 1990 Summer; 11(2):305–13 (30 ref.)

Facial fractures and bone healing in the geriatric patient. Friedman CD, et al. **Otolaryngol Clin North Am** 1990 Dec; 23(6):1109–19 (33 ref.)

The geriatric auditory and vestibular systems. Kennedy R, et al. **Otolaryngol Clin North Am** 1990 Dec;23(6):1075–82 (42 ref.)

Effects of aging on the swallowing mechanism. Logemann JA. **Otolaryngol Clin North Am** 1990 Dec;23(6):1045–56 (50 ref.)

Life-span development in functional tasks. VanSant AF.

Phys Ther 1990 Dec;70(12):788–98 (50 ref.)
Changes in posture control across the life span—a systems approach. Woollacott MH, et al. **Phys Ther** 1990 Dec; 70(12):799–807 (38 ref.)
Gravitational fields and aging. Youmans JR, et al. **Physiologist** 1991 Feb;34(1 Suppl):S19–22 (20 ref.)
Effects of aging on the dynamics of information processing and synaptic weight changes in the mammalian hippocampus. Barnes CA. **Prog Brain Res** 1990;86:89–104 (94 ref.)
Neuronal plasticity in normal aging and deficient plasticity in Alzheimer's disease: a proposed intercellular signal cascade. Coleman PD, et al. **Prog Brain Res** 1990;86:75–87 (111 ref.)
Plasticity of excitatory amino acid receptors: implications for aging and Alzheimer's disease. Cotman CW, et al. **Prog Brain Res** 1990;86:55–61 (37 ref.)
Neurometric studies of aging and cognitive impairment. John ER, et al. **Prog Brain Res** 1990;85:555–65 (7 ref.)
Age-dependent effects of lesioning the mesocortical dopamine system upon prefrontal cortex morphometry and PFC-related behaviors. Kalsbeek A, et al. **Prog Brain Res** 1990;85:257–82; discussion 282–3 (156 ref.)
Excitotoxin-mediated neuron death in youth and old age. Olney JW. **Prog Brain Res** 1990;86:37–51 (77 ref.)
Neural plasticity in aging and Alzheimer's disease: some selected comments. Phelps CH. **Prog Brain Res** 1990;86:3–9 (48 ref.)
Neuronal responses to injury and aging: lessons from animal models. Price DL, et al. **Prog Brain Res** 1990;86:297–308 (143 ref.)
A systems approach to aging, Alzheimer's disease, and spinal cord regeneration. Roberts E. **Prog Brain Res** 1990; 86:339–55 (111 ref.)
Glucocorticoids, hippocampal damage and the glutamatergic synapse. Sapolsky RM. **Prog Brain Res** 1990;86:13–23 (81 ref.)
Growth factor-mediated protection in aging CNS. Werrbach-Perez K, et al. **Prog Brain Res** 1990;86:183–94 (76 ref.)
Serotonin, memory, and the aging brain. McEntee WJ, et al. **Psychopharmacology (Berl)** 1991;103(2):143–9 (85 ref.)
Proteoglycans of articular cartilage: changes in aging and in joint disease. Hardingham T, et al. **Semin Arthritis Rheum** 1990 Dec;20(3 Suppl 1):12–33 (47 ref.)
Sleep in old age: focus on gender differences. Rediehs MH, et al. **Sleep** 1990 Oct;13(5):410–24 (56 ref.)
Promoting successful aging in the primary care patient. Teitelman J, et al. **Va Med Q** 1991 Spring;118(2):101–2 (15 ref.)
The biology and physiology of aging. Abrass IB. **West J Med** 1990 Dec;153(6):641–5 (24 ref.)
[Role of the adventitial innervation in establishing and maintaining the structural and functional properties of the arterial wall. Effects during aging] Aubineau P. **Ann Cardiol Angeiol (Paris)** 1991 May;40(5):285–91 (31 ref.) **(Fre)**
[Blood platelets and the elderly. Relation to the arterial wall and hemostasis] Boisseau MR. **Ann Cardiol Angeiol (Paris)** 1991 May;40(5):239–42 (21 ref.) **(Fre)**
[Role of free radicals in aging and anti-oxygen treatment] Deby C, et al. **Ann Cardiol Angeiol (Paris)** 1991 Jun; 40(6):341–8 (44 ref.) **(Fre)**
[Proliferation of the arterial smooth muscle cells and aging] Desgranges C. **Ann Cardiol Angeiol (Paris)** 1991 May; 40(5):265–79 (196 ref.) **(Fre)**
[Hypertension and aging. Prognosis and treatment of the increase in blood pressure] Forette F, et al. **Ann Cardiol Angeiol (Paris)** 1991 Jun;40(6):335–9 (37 ref.) **(Fre)**
[Elastin and arterial aging] Hornebeck W, et al. **Ann Cardiol Angeiol (Paris)** 1991 May;40(5):281–4 (31 ref.) **(Fre)**
[Renal senescence] Meyrier A. **Ann Cardiol Angeiol (Paris)** 1991 May;40(5):309–15 (19 ref.) **(Fre)**
[The factors of relaxation and contraction produced by the vascular endothelium. Effect of aging and the cardiovascular risk factors] Richard V, et al. **Ann Cardiol Angeiol (Paris)** 1991 May;40(5):249–54 (57 ref.) **(Fre)**
[Cerebral vascular aging (excluding innervation)] Verny M, et al. **Ann Cardiol Angeiol (Paris)** 1991 May;40(5):301–8 (74 ref.) **(Fre)**
[Microcirculation and aging] Wiernsperger N. **Ann Cardiol Angeiol (Paris)** 1991 May;40(5):293–5 (17 ref.) **(Fre)**
[Can neurologic lesions explain memory disorders of the elderly?] Hauw JJ, et al. **Ann Med Interne (Paris)** 1990;141 Suppl 1:7–12 (48 ref.) (Eng. Abstr.) **(Fre)**
[Noradrenaline and cerebral aging] Jouvet M, et al. **Encephale** 1991 May-Jun;17(3):187–95 (68 ref.) (Eng. Abstr.) **(Fre)**
[Pharmacokinetics and the aged person] Fillastre JP, et al. **Nephrologie** 1990;11(5):285–7 (14 ref.) (Eng. Abstr.) **(Fre)**
[Hypertension in the aged person. Numerous questions, few responses] Godin M, et al. **Nephrologie** 1990;11(5):289–91 (22 ref.) (Eng. Abstr.) **(Fre)**
[Renal function and aging] Mimran A. **Nephrologie** 1990; 11(5):275–80 (47 ref.) (Eng. Abstr.) **(Fre)**
[Changes in bone volume and mineral density during aging in humans. In vitro study on 80 subjects] Bergot C, et al. **Rev Rhum Mal Osteoartic** 1990 Nov;57(11):791–8 (36 ref.) (Eng. Abstr.) **(Fre)**
[Physiologic and pathologic age related changes in the small intestine] Riecken EO, et al. **Fortschr Med** 1990 Nov 30; 108(34):654–6 (36 ref.) (Eng. Abstr.) **(Ger)**
[Mechanisms of vascular lesions in aging and arterial hypertension] Rossi GP, et al. **Cardiologia** 1990 Oct; 35(10):803–8 (37 ref.) **(Ita)**
[Changes in the water-electrolyte balance and kidney function in the elderly] Sugino N. **Masui** 1991 Jun; 40(6):864–7 (5 ref.) **(Jpn)**
[Breathlessness of the elderly and its managements] Fukushima Y. **Nippon Ronen Igakkai Zasshi** 1990 Sep; 27(5):550–4 (10 ref.) (Eng. Abstr.) **(Jpn)**
[Role of the neuroendocrine system in aging] Meites D. **Fiziol Zh** 1990 Sep-Oct;36(5):70–6 (50 ref.) (Eng. Abstr.) **(Rus)**
[Changes in hormone and neurotransmitter action with aging] Rot Dzh. **Fiziol Zh** 1990 Sep-Oct;36(5):82–9 (58 ref.) (Eng. Abstr.) **(Rus)**
[Biological manifestations of the andropause] Vermiulen A. **Fiziol Zh** 1990 Sep-Oct;36(5):90–3 (17 ref.) (Eng. Abstr.) **(Rus)**
[Brain neuropeptides and age-related pathology] Burchinskiĭ SG. **Klin Med (Mosk)** 1991 May;69(5):23–9 (58 ref.) **(Rus)**
[Biorhythms and age] Gubin GD, et al. **Usp Fiziol Nauk** 1991 Jan-Feb;22(1):77–96 (133 ref.) **(Rus)**
[Food guidelines and nutritional goals for aging] Horwitz A. **Arch Latinoam Nutr** 1988 Sep;38(3):723–49 (23 ref.) (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Memory and aging: four hypotheses in search of data. Light LL. **Annu Rev Psychol** 1991;42:333–76 (315 ref.)
A philosophic approach to aging. Spiro H. **Clin Geriatr Med** 1991 May;7(2):387–94 (7 ref.)
Diagnosis and assessment of age-associated memory impairment. Crook TH, et al. **Clin Neuropharmacol** 1990; 13 Suppl 3:S81–91 (30 ref.)
Outcome of schizophrenia into later life: an overview. Cohen CI. **Gerontologist** 1990 Dec;30(6):790–7 (61 ref.)
Aging and performance of home tasks. Lawton MP. **Hum Factors** 1990 Oct;32(5):527–36 (20 ref.)
Influence of experience on age differences in cognitive functioning. Salthouse TA. **Hum Factors** 1990 Oct; 32(5):551–69 (80 ref.)
Human factors and aging: an overview of research needs and application opportunities. Smith DB. **Hum Factors** 1990 Oct;32(5):509–26 (140 ref.)
Trauma and nostalgia: new aspects on the coping of aging Holocaust survivors. Hertz DG. **Isr J Psychiatry Relat Sci** 1990;27(4):189–98 (26 ref.)
The aging face: a psychocutaneous perspective. Gupta MA, et al. **J Dermatol Surg Oncol** 1990 Oct;16(10):902–4 (11 ref.)
Research on religion and mental health in later life: a review and commentary. Koenig HG. **J Geriatr Psychiatry** 1990; 23(1):23–53 (66 ref.)
Information processing for motor performance in aging adults. Light KE. **Phys Ther** 1990 Dec;70(12):820–6 (64 ref.)
Classical (Pavlovian) conditioning models of age-related changes in associative learning and their neurobiological substrates. Powell DA, et al. **Prog Neurobiol** 1991; 36(3):201–28 (173 ref.)
Diagnosis and treatment of depression in the elderly: a review. Winstead DK, et al. **Psychiatr Med** 1990;8(4):85–98 (55 ref.)
A review of the tip-of-the-tongue experience. Brown AS. **Psychol Bull** 1991 Mar;109(2):204–23 (95 ref.)
Ageing and life history: the meaning of reminiscence in late life. Coleman PG. **Sociol Rev [Monogr]** 1991;(37):120–43 (50 ref.)
["When the hour strikes"—thoughts on dying in the aged] Kuhlmey J. **Z Arztl Fortbild (Jena)** 1990;84(13):667–70 (35 ref.) **(Ger)**
[Future research perspectives of a psychoanalytical gerontopsychophysiology—personality and the aging process] Heuft G. **Z Gerontol** 1990 Sep-Oct;23(5):262–6 (45 ref.) (Eng. Abstr.) **(Ger)**
[Potentials in the elderly] Kruse A. **Z Gerontol** 1990 Sep-Oct; 23(5):235–45 (93 ref.) **(Ger)**

AGITATION, PSYCHOMOTOR see **PSYCHOMOTOR AGITATION**

AGNOGENIC MYELOID METAPLASIA see **MYELOID METAPLASIA**

AGNOSIA

ETIOLOGY

[Visuo-constructional disorders and alexia-agraphia associated with posterior cortical atrophy] Croisile B, et al. **Rev Neurol (Paris)** 1991;147(2):138–43 (31 ref.) (Eng. Abstr.) **(Fre)**
[Right unilateral auditory agnosia following left lenticular hemorrhage] Pasquier F, et al. **Rev Neurol (Paris)** 1991; 147(2):129–37 (37 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Two posterior neuropsychological syndromes revisited. Walsh KW. **Tohoku J Exp Med** 1990 Aug;161 Suppl:121–30 (69 ref.)

PHYSIOPATHOLOGY

Facial recognition 1990. Benton A. **Cortex** 1990 Dec; 26(4):491–9 (35 ref.)
Associative agnosias and the functions of the left hemisphere. Goldberg E. **J Clin Exp Neuropsychol** 1990 Aug; 12(4):467–84 (90 ref.)
Rediscovering tactile agnosia. Caselli RJ. **Mayo Clin Proc** 1991 Feb;66(2):129–42 (36 ref.)

PSYCHOLOGY

Covert face recognition in prosopagnosia: a review. Bruyer R. **Brain Cogn** 1991 Mar;15(2):223–35 (67 ref.)

AGORAPHOBIA

DIAGNOSIS

The relationship between panic disorder/agoraphobia and personality disorders. Mavissakalian M. **Psychiatr Clin North Am** 1990 Dec;13(4):661–84 (44 ref.)

DRUG THERAPY

Efficacy of benzodiazepines in panic disorder and agoraphobia. Ballenger JC. **J Psychiatr Res** 1990;24 Suppl 2:15–25 (34 ref.)
Depression and panic anxiety: the effect of depressive co-morbidity on response to drug treatment of patients with panic disorder and agoraphobia. Klerman GL. **J Psychiatr Res** 1990;24 Suppl 2:27–41 (60 ref.)

PSYCHOLOGY

Panic disorder in children and adolescents: a review with examples. Bradley SJ. **Adolesc Psychiatry** 1990;17:433–50 (50 ref.)

THERAPY

Behavioral, cognitive, and pharmacological treatments of panic disorder with agoraphobia: critique and synthesis. Michelson LK, et al. **J Consult Clin Psychol** 1991 Feb; 59(1):100–14 (119 ref.)
Guided mastery treatment of agoraphobia: beyond stimulus exposure. Williams SL. **Prog Behav Modif** 1990;26:89–121 (50 ref.)

AGRAMMATISM see **APHASIA, BROCA**

AGRANULOCYTOSIS

CHEMICALLY INDUCED

Drug-induced agranulocytosis. Peripheral destruction of polymorphonuclear leukocytes and their marrow precursors. Pisciotta AV. **Blood Rev** 1990 Dec;4(4):226–37 (58 ref.)
A review of carbamazepine's hematologic reactions and monitoring recommendations. Sobotka JL, et al. **DICP** 1990 Dec;24(12):1214–9 (89 ref.)
Agranulocytosis associated with aprindine and other antiarrhythmic drugs: an epidemiological approach. Ibáñez L, et al. **Eur Heart J** 1991 May;12(5):639–41 (19 ref.)
Agranulocytosis from antiarrhythmic agents. What to watch for when a medication is first prescribed. Brna TG Jr. **Postgrad Med** 1991 Jan;89(1):181–3, 187–8 (19 ref.)
[Agranulocytosis caused by paracetamol. A case report (letter)] Lacotte J, et al. **Therapie** 1990 Sep-Oct;45(5):438–9 (9 ref.) **(Fre)**
[Evaluation of hematologic side effects of anti-infective therapy: agranulocytosis caused by beta-lactam antibiotics, vancomycin and amodiaquine] Eich G, et al. **Infection** 1991; 19 Suppl 1:S33–7 (26 ref.) (Eng. Abstr.) **(Ger)**

CLASSIFICATION

[Principles of the morphofunctional classification of granulocyte deficiencies] Galankin VN, et al. **Arkh Patol** 1990;52(6):39–43 (27 ref.) (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Empiric treatment of infection during granulocytopenia. Klastersky J. **Ann Oncol** 1990 Jul;1(4):255–61 (37 ref.)
Spectrum and treatment of bacterial infections in cancer patients with granulocytopenia. Calandra T. **Recent Results Cancer Res** 1991;121:329–36 (31 ref.)
Prevention of infections in granulocytopenic patients by fluorinated quinolones. Rozenberg-Arska M, et al. **Recent Results Cancer Res** 1991;121:337–46 (60 ref.)
Candida and Aspergillus infections in immunocompromised patients: an overview. Saral R. **Rev Infect Dis** 1991 May-Jun;13(3):487–92 (30 ref.)
Empiric therapy with amphotericin B in febrile granulocytopenic patients. Walsh TJ, et al.

Rev Infect Dis 1991 May-Jun;13(3):496-503 (49 ref.)

DIAGNOSIS

[T gamma-lymphocytosis with granulocytopenia--leukemia or reaction?] Robak T. **Acta Haematol Pol** 1990 Jan-Jun; 21(1):97-104 (46 ref.) **(Pol)**

AGRAPHIA

ETIOLOGY

[Visuo-constructional disorders and alexia-agraphia associated with posterior cortical atrophy] Croisile B, et al. **Rev Neurol (Paris)** 1991;147(2):138-43 (31 ref.) (Eng. Abstr.) **(Fre)**

AGRICULTURAL WORKERS' DISEASES

CHEMICALLY INDUCED

Chronic neuropsychological sequelae of occupational exposure to organophosphate insecticides. Rosenstock L, et al. **Am J Ind Med** 1990;18(3):321-5 (15 ref.)

[Effects of pesticides on health (review)] Pavlov AV, et al. **Gig Sanit** 1991 Apr;(4):60-3 (49 ref.) **(Rus)**

EPIDEMIOLOGY

Cancer in Iowa farmers: recent results. Burmeister LF. **Am J Ind Med** 1990;18(3):295-301 (5 ref.)

ETIOLOGY

[Health problems among persons exposed to grain dust] Poulsen KB, et al. **Ugeskr Laeger** 1991 Jul 8; 153(28):1986-90 (30 ref.) (Eng. Abstr.) **(Dan)**

RADIOGRAPHY

Agricultural disorders of the lung. Gurney JW, et al. **Radiographics** 1991 Jul;11(4):625-34 (21 ref.)

AGRICULTURE

Farmers' health and safety programs in Sweden. Höglund S. **Am J Ind Med** 1990;18(4):371-8 (4 ref.)

Farmers' occupational health care--worldwide. Höglund S. **Am J Ind Med** 1990;18(4):365-70 (4 ref.)

Multinuclear spin relaxation and high-resolution nuclear magnetic resonance studies of food proteins, agriculturally important materials and related systems. Baianu IC, et al. **Basic Life Sci** 1990;56:361-89 (54 ref.)

Applications of NMR in agriculture and biochemistry. Schmidt SJ, et al. **Basic Life Sci** 1990;56:1-6 (57 ref.)

Physiological reactions during brush saw operation. Bovenzi M, et al. **Int Arch Occup Environ Health** 1990;62(6):445-9 (25 ref.)

Biotechnology and the American agricultural industry. Council on Scientific Affairs, American Medical Association [see comments] **JAMA** 1991 Mar 20; 265(11):1429-36 (73 ref.) Comment in: JAMA 1991 Jul 17;266(3):362-3.

Agricultural biotechnology: occupational health and regulatory issues. Glass DJ. **Occup Med** 1991 Apr-Jun; 6(2):301-10 (19 ref.)

Farm injuries. How can the family farm be made a safer place? Sterner S. **Postgrad Med** 1991 Aug;90(2):141-2, 147, 150 (8 ref.)

Biological oscillations and agriculture: a brief introduction. Koukkari WL, et al. **Prog Clin Biol Res** 1990;341B:785-92 (32 ref.)

The impact of agricultural projects on food, nutrition and health. Brun TA, et al. **World Rev Nutr Diet** 1991;65:99-123 (31 ref.)

[Agriculture-health interface in the field of epidemiology of vector-borne diseases and the control of vectors] Mouchet J, et al. **Bull Soc Pathol Exot Filiales** 1990;83(3):376-93 (49 ref.) (Eng. Abstr.) **(Fre)**

[Nutrition or industry. Experiences with nutritional considerations in the agricultural policy] Botten G. **Tidsskr Nor Laegeforen** 1991 Jun 30;111(17):2162-4 (15 ref.) (Eng. Abstr.) **(Nor)**

[Hygienic problems with the use of artificial sources of optical radiation in agriculture (a review of the literature)] Gvozdenko LA, et al. **Vrach Delo** 1991 Mar;(3):56-60 (46 ref.) **(Rus)**

METHODS

Genetic selection in farmed deer. McManus C. **Vet Rec** 1991 Feb 2;128(5):100-2 (7 ref.)

The nutrition and health impact of cash cropping in west Africa: a historical perspective. Brun TA. **World Rev Nutr Diet** 1991;65:124-62 (39 ref.)

[Fish and their significance from the international and Swiss viewpoints] Meier W, et al. **Schweiz Arch Tierheilkd** 1991; 133(5):205-13 (37 ref.) (Eng. Abstr.) **(Ger)**

STANDARDS

[Soil hygiene after irrigation of agricultural fields with sewage water containing surface-active substances (review of the literature)] Mudryĭ IV. **Gig Sanit** 1990 Aug;(8):27-30 (34 ref.) **(Rus)**

AGROBACTERIUM

GENETICS

Agrobacterium rhizogenes as a vector for transforming higher plants. Tepfer M, et al. **Microbiol Sci** 1987 Jan; 4(1):24-8 (19 ref.)

Transformation of plant cells via Agrobacterium. Hooykaas PJ. **Plant Mol Biol** 1989 Sep;13(3):327-36 (97 ref.)

Use of roots transformed by Agrobacterium rhizogenes in rhizosphere research: applications in studies of cadmium assimilation from sewage sludges. Tepfer D, et al. **Plant Mol Biol** 1989 Sep;13(3):295-302 (59 ref.)

Agrobacterium in plant disease, biological disease control and plant genetic engineering. Clare BG. **Sci Prog** 1990; 74(293 Pt 1):1-13 (23 ref.)

PHYSIOLOGY

Chimeric genes and transgenic plants are used to study the regulation of genes involved in symbiotic plant-microbe interactions (nodulin genes). de Bruijn FJ, et al. **Dev Genet** 1990;11(3):182-96 (101 ref.)

AH 5158 see **LABETALOL**

AID TO THE BLIND see **SOCIAL SECURITY**

AID TO THE TOTALLY DISABLED see **SOCIAL SECURITY**

AIDS see **ACQUIRED IMMUNODEFICIENCY SYNDROME**

AIDS ANTIBODIES see **HIV ANTIBODIES**

AIDS ANTIGENS see **HIV ANTIGENS**

AIDS-ASSOCIATED NEPHROPATHY

DIAGNOSIS

Human immunodeficiency virus/acquired immunodeficiency syndrome nephropathy in the inner city. Appel GB, et al. **N Y State J Med** 1991 May;91(5):207-10 (13 ref.)

[The nephrological aspects of infection with the human immunodeficiency virus] Maksimov NA. **Ter Arkh** 1990; 62(6):153-8 (76 ref.) **(Rus)**

ETIOLOGY

Human immunodeficiency virus (HIV) associated nephropathy. Rao TK. **Annu Rev Med** 1991;42:391-401 (11 ref.)

AIDS DEMENTIA COMPLEX

Neurologic and psychiatric manifestations of HIV disease. Hollander H. **J Gen Intern Med** 1991 Jan-Feb;6(1 Suppl):S24-31 (57 ref.)

[AIDS dementia] Cambier J, et al. **Bull Acad Natl Med** 1990 Jun-Jul;174(6):807-10; discussion 811 (11 ref.) (Eng. Abstr.) **(Fre)**

CLASSIFICATION

Nomenclature and research case definitions for neurologic manifestations of human immunodeficiency virus-type 1 (HIV-1) infection. Report of a Working Group of the American Academy of Neurology AIDS Task Force. **Neurology** 1991 Jun;41(6):778-85 (62 ref.)

DIAGNOSIS

AIDS-related dementia and competency to stand trial: a potential abuse of the forensic mental health system? Perlin ML, et al. **Bull Am Acad Psychiatry Law** 1990;18(4):349-63 (91 ref.)

Neurological manifestations of AIDS. Redmond R, et al. **J Am Optom Assoc** 1990 Oct;61(10):760-7 (16 ref.)

Statement concerning the NIMH neuropsychological battery. Adams KM, et al. **J Clin Exp Neuropsychol** 1990 Dec; 12(6):960-2 (0 ref.)

Assessment of AIDS-related cognitive changes: recommendations of the NIMH Workshop on Neuropsychological Assessment Approaches. Butters N, et al. **J Clin Exp Neuropsychol** 1990 Dec;12(6):963-78 (33 ref.)

AIDS and pediatric neurology. Belman AL. **Neurol Clin** 1990 Aug;8(3):571-603 (163 ref.)

Neuropsychiatric manifestations of HIV infection. Beckett A. **New Dir Ment Health Serv** 1990 Winter;(48):33-42 (20 ref.)

The evolution of neurobehavioural complications of HIV infection [editorial] Grant I, et al. **Psychol Med** 1990 Nov; 20(4):747-54 (57 ref.)

Brain imaging in acquired immunodeficiency syndrome dementia complex. Kramer EL, et al. **Semin Nucl Med** 1990 Oct;20(4):353-63 (51 ref.)

[HIV and nervous system manifestations: a review] Riedel RR, et al. **Fortschr Neurol Psychiatr** 1991 Mar;59(3):69-80 (167 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Psychopharmacological interventions in HIV infections. Fernandez F. **New Dir Ment Health Serv** 1990 Winter; (48):43-53 (50 ref.)

[Azidothymidine and the nervous system] Riedel RR, et al. **Fortschr Med** 1991 May 10;109(14):302-6 (0 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Psychiatric manifestations of HIV disease. Catalan J. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):547-62 (74 ref.)

Neuro-psychiatric manifestations of acquired immune deficiency syndrome (AIDS). Abiodun OA. **Cent Afr J Med** 1990 Sep;36(9):224-30 (33 ref.)

Acquired immune deficiency syndrome and the developing nervous system. Brenneman DE, et al. **Int Rev Neurobiol** 1990;32:305-53 (223 ref.)

[HIV infection and the development of dementia] Gade A. **Ugeskr Laeger** 1991 Jun 24;153(26):1843-6 (30 ref.) (Eng. Abstr.) **(Dan)**

[Pathology related to infection with human immunodeficiency virus] Mostaza JM, et al. **An Med Interna** 1989 Apr;6(4):212-5 (41 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

Abnormalities in cholesterol metabolism cause peripheral neuropathy and dementia in AIDS--a hypothesis. Falkenbach A, et al. **Med Hypotheses** 1990 Sep;33(1):57-61 (62 ref.)

MICROBIOLOGY

AIDS encephalopathy and tropism of HIV for brain monocytes/macrophages and microglial cells. Vazeux R. **Pathobiology** 1991;59(4):214-8 (32 ref.)

PATHOLOGY

Aids dementia complex. On the relationship between HIV-1 infection, immune-mediated response and myelin damage in the brain. Mastroianni CM, et al. **Acta Neurol (Napoli)** 1991 Apr;13(2):184-7 (19 ref.)

Pathogenetic implications of neuropathological findings in the AIDS dementia complex. Brew BJ, et al. **Psychopharmacol Bull** 1988;24(3):307-10 (30 ref.)

[HIV infection of the central nervous system: clinical relevance] Pohle HD, et al. **Internist (Berl)** 1990 Sep; 31(9):567-74 (41 ref.) **(Ger)**

PHYSIOPATHOLOGY

Microglia in human disease, with an emphasis on acquired immune deficiency syndrome. Dickson DW, et al. **Lab Invest** 1991 Feb;64(2):135-56 (217 ref.)

Mechanisms of brain damage by HIV-1. Gurney ME. **Psychopharmacol Bull** 1988;24(3):311-4 (42 ref.)

PSYCHOLOGY

Psychiatric aspects of HIV-1 infection and AIDS. Maj M. **Psychol Med** 1990 Aug;20(3):547-63 (100 ref.)

[Psychiatric aspects of the HIV infection] Möller AA. **Nervenarzt** 1990 Sep;61(9):519-26 (67 ref.) **(Ger)**

[AIDS--psychiatric problems] Lutyńska E. **Psychiatr Pol** 1990 Mar-Apr;24(2):160-4 (14 ref.) **(Pol)**

RADIONUCLIDE IMAGING

Functional brain imaging in AIDS-related dementia: a review. Brunetti A, et al. **Antibiot Chemother** 1991; 43:227-34 (24 ref.)

AIDS ENCEPHALOPATHY see **AIDS DEMENTIA COMPLEX**

AIDS, FELINE see **FELINE ACQUIRED IMMUNODEFICIENCY SYNDROME**

AIDS, MURINE see **MURINE ACQUIRED IMMUNODEFICIENCY SYNDROME**

AIDS-RELATED COMPLEX

COMPLICATIONS

The persistent lymphadenopathy syndrome and immune thrombocytopenic purpura in HIV-infected individuals. Abrams DI. **Immunol Ser** 1989;44:323-43 (58 ref.)

AIDS, Kaposi sarcoma, and the lymphatic system: update and reflections. Witte MH, et al. **Lymphology** 1990 Jun; 23(2):73-80 (24 ref.)

PATHOLOGY

Lymph node pathology of acquired immunodeficiency syndrome (AIDS). Houn HY, et al. **Ann Clin Lab Sci** 1990 Sep-Oct;20(5):337-42 (28 ref.)

Lymph node reaction patterns in patients with AIDS or AIDS-related complex. Diebold J, et al. **Curr Top Pathol** 1991;84 (Pt 2):189-221 (106 ref.)

Parotid manifestations of HIV infection. Zeitlen S, et al. **J Surg Oncol** 1991 Aug;47(4):230-2 (16 ref.)

Lymph nodes in HIV-positive drug abusers with persistent

generalized lymphadenopathy: histology, immunohistochemistry, and pathogenetic correlations. Baroni CD, et al. **Prog AIDS Pathol** 1990;2:33–50 (47 ref.)

THERAPY

Nutritional support of patients with AIDS. Hickey MS. **Surg Clin North Am** 1991 Jun;71(3):645–64 (130 ref.)

AIDS SEROCONVERSION see **HIV SEROPOSITIVITY**

AIDS SERODIAGNOSIS

see related
HIV SEROPREVALENCE

Laboratory tests used in diagnosis and treatment of AIDS. Goldstein E, et al. **Bratisl Lek Listy** 1990 Oct;91(10):747–52 (16 ref.) **(Eng, Slo)**

Serological investigations of human immunodeficiency virus (HIV) infection. Lindhardt BO. **Dan Med Bull** 1991 Feb; 38(1):22–36 (314 ref.)

HIV antibody status and employment discrimination: 1991 update [editorial] Nusbaum NJ. **J Acquir Immune Defic Syndr** 1991;4(10):927–9 (12 ref.)

Human immunodeficiency virus and the primary care physician. Paauw DS, et al. **J Fam Pract** 1990 Dec; 31(6):646–50 (30 ref.)

Laboratory diagnosis of HIV infection. Krasinski K, et al. **Pediatr Clin North Am** 1991 Feb;38(1):17–35 (151 ref.)

[The pitfalls of HIV serology] Rouzioux C. **Presse Med** 1990 Dec 8;19(42):1923–5 (7 ref.) **(Fre)**

METHODS

[New aspects in HIV diagnosis] Gürtler L, et al. **Internist (Berl)** 1990 Sep;31(9):587–92 (11 ref.) **(Ger)**

[HIV diagnostics in the child—methodology, rational use and value] Grosch-Wörner I, et al. **Monatsschr Kinderheilkd** 1990 Dec;138(12):784–6 (9 ref.) (Eng. Abstr.) **(Ger)**

STANDARDS

Resistance to mandatory AIDS testing. **AORN J** 1991 Jul; 54(1):96 (0 ref.)

AIDS SEROLOGY see **AIDS SERODIAGNOSIS**

AIDS SEROPOSITIVITY see **HIV SEROPOSITIVITY**

AIDS, SIMIAN see **SIMIAN ACQUIRED IMMUNODEFICIENCY SYNDROME**

AIDS VIRUS see **HIV-1**

AIDS VIRUS RECEPTORS see **RECEPTORS, HIV**

AIKIDO see **MARTIAL ARTS**

AIR

The Physical Volume Test in impedance audiometry. Rock EH. **Ear Nose Throat J** 1991 Apr;70(4):245–50 (14 ref.)

[Transient amaurosis following the insufflation of air into the maxillary sinus] Teişanu E. **Otorinolaringologie** 1967 Jan-Mar;12(1):53–60 (62 ref.) (Eng. Abstr.) **(Rum)**

[Air radon baths in the USSR. The research studies and their use] Bogoliubov VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1990 Sep-Oct; (5):58–64 (70 ref.) **(Rus)**

AIR BLADDER see **AIR SACS**

AIR-BLOOD BARRIER see **BLOOD-AIR BARRIER**

AIR MICROBIOLOGY

Aerial dispersal of bacteria. Upper CD, et al. **Biotechnology** 1991;15:75–93 (71 ref.)

Aeromicrobiology—a review. al-Dagal M, et al. **Crit Rev Food Sci Nutr** 1990;29(5):333–40 (52 ref.)

The role of chemoprophylaxis in the prevention of airborne infection by fungal pathogens. Hay RJ. **J Hosp Infect** 1991 Jun;18 Suppl A:460–5 (32 ref.)

Medical and microbiological problems arising from airborne infection in hospitals. Schaal KP. **J Hosp Infect** 1991 Jun; 18 Suppl A:451–9 (12 ref.)

Allergenic and toxigenic micro-organisms in houses. Flannigan B, et al. **Soc Appl Bacteriol Symp Ser** 1991; 20:61S–73S (79 ref.)

[Pathogenetic aspects of diagnosis and prevention of pathological conditions caused by products of microbiological synthesis (review of the literature)] Shleĭkin AG. **Gig Sanit** 1990 Aug;(8):45–8 (55 ref.) **(Rus)**

AIR MOVEMENTS

[Monitoring air velocity at work sites and in residences—technical monitoring requirements and principles of thermal anemometers] Bytel H, et al. **Z Gesamte Hyg** 1991 Feb;37(2):66–8 (18 ref.) **(Ger)**

AIR POLLUTANTS

Technological, economic, and political feasibility in OSHA's Air Contaminants Standard [see comments] Robinson JC, et al. **J Health Polit Policy Law** 1991 Spring;16(1):1–18 (20 ref.) Comment in: J Health Polit Policy Law 1991 Spring;16(1):19–24.

ADVERSE EFFECTS

Human occupational and nonoccupational exposure to fibers. Esmen NA, et al. **Environ Health Perspect** 1990 Aug; 88:277–86 (70 ref.)

Air pollution and cancer. Pershagen G. **IARC Sci Publ** 1990; (104):240–51 (68 ref.)

[Health problems of enclosed environments at work and in the home] Hrnjak M. **Vojnosanit Pregl** 1990 Jul-Aug; 47(4):309–13 (37 ref.) **(Scr)**

ANALYSIS

Trace elements in street and house dusts: sources and speciation. Fergusson JE, et al. **Sci Total Environ** 1991 Mar; 100 Spec No:125–50 (91 ref.)

TOXICITY

Comparative dosimetry of inhaled materials: differences among animal species and extrapolation to man. Dahl AR, et al. **Fundam Appl Toxicol** 1991 Jan;16(1):1–13 (38 ref.)

The current practice of health risk assessment: potential impact on standards for toxic air contaminants. Paustenbach DJ, et al. **J Air Waste Manage Assoc** 1990 Dec;40(12):1620–30 (129 ref.)

[Environmental health related evaluation of halogenated organic compounds] Dieter HH. **Schriftenr Ver Wasser Boden Lufthyg** 1990;82:23–36 (23 ref.) **(Ger)**

[The toxicity of several polychlorinated hydrocarbons] Krowke R. **Schriftenr Ver Wasser Boden Lufthyg** 1990; 82:9–21 (24 ref.) **(Ger)**

AIR POLLUTANTS, ENVIRONMENTAL

Aero-allergen avoidance in the prevention and treatment of asthma. Warner JO, et al. **Clin Exp Allergy** 1990 Sep;20 Suppl 3:15–9 (38 ref.)

Atmospheric lifetimes of dibenzo-p-dioxins and dibenzofurans. Atkinson R. **Sci Total Environ** 1991 May 1;104(1–2):17–33 (71 ref.)

Indoor air pollution in developing countries. Chen BH, et al. **World Health Stat Q** 1990;43(3):127–38 (53 ref.)

ADVERSE EFFECTS

House dust mite allergy and anti-mite measures in the indoor environment. Harving H, et al. **Allergy** 1991;46 Suppl 11:33–8 (19 ref.)

Solvent exposure and cardiovascular disease. Wilcosky TC, et al. **Am J Ind Med** 1991;19(5):569–86 (49 ref.)

Approaches to risk assessment of automotive engine exhausts. Törnqvist M, et al. **IARC Sci Publ** 1990;(104):277–87 (43 ref.)

Herbicides and cancer: a review and discussion of methodologic issues. Blair A, et al. **Recent Results Cancer Res** 1990;120:132–45 (29 ref.)

Interdisciplinary approach to assessing the health risk of air toxic chemicals: an overview. Grose EC, et al. **Toxicol Ind Health** 1990 Oct;6(5):157–69 (36 ref.)

[The joint effects of various atmospheric pollutants: a meta-analysis] Zmirou D, et al. **Rev Epidemiol Sante Publique** 1991;39(1):101–10 (62 ref.) (Eng. Abstr.) **(Fre)**

[Anesthetic gases, the ozone layer and the greenhouse effect. How harmful are the anesthetic emissions for the global environment?] Dale O, et al. **Tidsskr Nor Laegeforen** 1991 Jun 30;111(17):2115–7 (15 ref.) (Eng. Abstr.) **(Nor)**

[The role of aromatic hydrocarbon hydroxylase in the pathogenesis of lung cancer] Pilarska-Machowicz A. **Pol Tyg Lek** 1990 Apr 2–9;45(14–15):303–7 (44 ref.) (Eng. Abstr.) **(Pol)**

[Effects of pesticides on health (review)] Pavlov AV, et al. **Gig Sanit** 1991 Apr;(4):60–3 (49 ref.) **(Rus)**

[Effect of atmospheric pollution on health of the population and immunologic reactivity (review of the literature)] Ustinenko AN, et al. **Gig Sanit** 1990 Aug;(8):11–5 (70 ref.) **(Rus)**

[Performance of athletes exercising in ozone polluted air] Morales Cardona T. **Bol Asoc Med P R** 1990 Dec; 82(12):517–22 (22 ref.) (Eng. Abstr.) **(Spa)**

ANALYSIS

Tracing aerosol pollutants with rare earth isotopes. Ondov JM, et al. **Anal Chem** 1991 Jul 1;63(13):691A–697A (15 ref.)

Molecular epidemiology and cancer prevention. Perera FP, et al. **Cancer Detect Prev** 1990;14(6):639–45 (31 ref.)

Complex mixtures of urban air pollutants: identification and comparative assessment of mutagenic and tumorigenic chemicals and emission sources. Lewtas J, et al. **IARC Sci Publ** 1990;(104):252–60 (32 ref.)

Predictors of tooth-lead level with special reference to traffic. A study of lead-exposure in children. Lyngbye T, et al. **Int Arch Occup Environ Health** 1990;62(6):417–22 (37 ref.)

Radon and health [see comments] Bowie C, et al. **Lancet** 1991 Feb 16;337(8738):409–13 (42 ref.) Comment in: Lancet 1991 Mar 23;337(8743):732.

Air toxics in the U.S.: magnitude of the problem and strategy for control. Berry DK. **Toxicol Ind Health** 1990 Oct; 6(5):1–12 (10 ref.)

Methods for source characterization of organic air pollutants. Bloemen HJ, et al. **Toxicol Ind Health** 1990 Oct;6(5):67–80 (12 ref.)

Airborne Toxic Elements and Organic Substances (ATEOS) project: overview. Lioy PJ. **Toxicol Ind Health** 1990 Oct; 6(5):53–65 (20 ref.)

Air emissions from the incineration of hazardous waste. Oppelt ET. **Toxicol Ind Health** 1990 Oct;6(5):23–51 (85 ref.)

TOXICITY

Air pollution: involvement of oxygen radicals (a mini review). Elstner EF, et al. **Free Radic Res Commun** 1991; 12–13 Pt 2:795–807 (41 ref.)

AIR POLLUTANTS, OCCUPATIONAL

Perspectives on what we formerly called threshold limit values. Goldsmith JR. **Am J Ind Med** 1991;19(6):805–12 (37 ref.)

[Hygienic and health problems related to the use of anesthetic gases and vapors] Melino C, et al. **Clin Ter** 1990 Jul 15; 134(1):53–9 (21 ref.) (Eng. Abstr.) **(Ita)**

[Materials for the substantiation of the biological MAC of benzene] Ulanova IP, et al. **Gig Sanit** 1990 Sep;(9):38–40 (27 ref.) (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Reproductive hazards of fire fighting. II. Chemical hazards. McDiarmid MA, et al. **Am J Ind Med** 1991;19(4):447–72 (164 ref.)

Estimated risk of lung cancer attributable to occupational exposures in iron and steel foundries. Tossavainen A. **IARC Sci Publ** 1990;(104):363–7 (16 ref.)

Occupational neurotoxicology: some neuropsychological issues and challenges. Hawkins KA. **J Clin Exp Neuropsychol** 1990 Oct;12(5):664–80 (50 ref.)

[Occupationally induced obstructive respiratory diseases] Baur X. **Verh Dtsch Ges Inn Med** 1990;96:49–51 (3 ref.) **(Ger)**

[Laboratory diagnosis of renal changes caused by occupational chemical factors] Hanke J, et al. **Wiad Lek** 1990 Jun 15;43(12):583–9 (25 ref.) (Eng. Abstr.) **(Pol)**

[Effects of pesticides on health (review)] Pavlov AV, et al. **Gig Sanit** 1991 Apr;(4):60–3 (49 ref.) **(Rus)**

[Pathogenetic aspects of diagnosis and prevention of pathological conditions caused by products of microbiological synthesis (review of the literature)] Shleĭkin AG. **Gig Sanit** 1990 Aug;(8):45–8 (55 ref.) **(Rus)**

[The role of fibronectin in the pathogenesis of pneumoconiosis (review of the literature)] Iaglov VV, et al. **Gig Tr Prof Zabol** 1991;(2):29–30 (12 ref.) **(Rus)**

[Industrial factors in the production and processing of potash fertilizers and their effect on the body (review of the literature)] Khodykina TM. **Gig Tr Prof Zabol** 1990; (8):42–6 (56 ref.) **(Rus)**

[Health problems of enclosed environments at work and in the home] Hrnjak M. **Vojnosanit Pregl** 1990 Jul-Aug; 47(4):309–13 (37 ref.) **(Scr)**

ANALYSIS

Structure activity hypotheses in occupational asthma caused by low molecular weight substances. Agius RM, et al. **Ann Occup Hyg** 1991 Apr;35(2):129–37 (41 ref.)

Application of toxicokinetic models to establish biological exposure indicators. Fiserova-Bergerova V. **Ann Occup Hyg** 1990 Dec;34(6):639–51 (48 ref.)

Assessment of long-term exposures to toxic substances in air. Rappaport SM. **Ann Occup Hyg** 1991 Feb;35(1):61–121 (128 ref.)

The fate of inhaled aerosols: a review of observed trends and some generalizations. Vincent JH. **Ann Occup Hyg** 1990 Dec;34(6):623–37 (30 ref.)

[Monitoring air velocity at work sites and in residences—technical monitoring requirements and principles of thermal anemometers] Bytel H, et al. **Z Gesamte Hyg** 1991 Feb;37(2):66–8 (18 ref.) **(Ger)**

POISONING

[Possibilities of using dihydromonocalcium phosphate for prevention and treatment of chronic fluoride poisoning (review of the literature)] Iakovleva SS. **Gig Tr Prof Zabol** 1991;(2):28–9 (27 ref.) **(Rus)**

TOXICITY

[Analysis of methodological approach to the evaluation of toxicity of complex mixtures of relatively constant composition used in industry (review of the literature)] Blinova EA. **Gig Tr Prof Zabol** 1990;(7):39–42 (53 ref.) (Eng. Abstr.) **(Rus)**

AIR POLLUTANTS, RADIOACTIVE

Seasonal indoor radon variations related to precipitation. Mose DG, et al. **Environ Mol Mutagen** 1991;17(4):223–30 (40 ref.)

ADVERSE EFFECTS

[Carcinogenic hazards of radioactive cesium] Vasilenko IIa. **Vopr Onkol** 1991;37(4):394–400 (34 ref.) **(Rus)**

AIR POLLUTION

The politics of OSHA's standard-setting. Vladeck DC, et al. **Am J Ind Med** 1991;19(6):801–4 (17 ref.)

ADVERSE EFFECTS

Outdoor air pollution and lung cancer. Tomatis L. **Ann Oncol** 1991 Apr;2(4):265–7 (17 ref.)

Respiratory effects of pollution. Philip-Joet F. **Biomed Pharmacother** 1990;44(9):443–6 (29 ref.)

The current practice of health risk assessment: potential impact on standards for toxic air contaminants. Paustenbach DJ, et al. **J Air Waste Manage Assoc** 1990 Dec;40(12):1620–30 (129 ref.)

Ambient air pollution and respiratory disease. Abramson M, et al. **Med J Aust** 1991 Apr 15;154(8):543–53 (123 ref.)

Public health versus public policy? An appraisal of British urban transport policy. Wolff SP, et al. **Public Health** 1991 May;105(3):217–28 (97 ref.)

Air pollution—effects of nitrogen dioxide. Tewari A, et al. **Rev Environ Health** 1989 Jan–Dec;8(1–4):157–63 (11 ref.)

Environmental factors affecting the severity of pneumonia in pigs. Done SH. **Vet Rec** 1991 Jun 22;128(25):582–6 (59 ref.)

[The importance of diesel engine exhaust in public health environmental protection/ecological health protection] Fromme H. **Off Gesundheitswes** 1990 Nov;52(11):625–9 (52 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

[Monitoring air velocity at work sites and in residences—technical monitoring requirements and principles of thermal anemometers] Bytel H, et al. **Z Gesamte Hyg** 1991 Feb;37(2):66–8 (18 ref.) **(Ger)**

AIR POLLUTION, RADIOACTIVE

PREVENTION & CONTROL

Ozone holes and biological consequences. Moan J. **J Photochem Photobiol B** 1991 May;9(2):244–7 (18 ref.)

AIR POLLUTION, TOBACCO SMOKE see **TOBACCO SMOKE POLLUTION**

AIR PRESSURE

Oesophageal rupture due to air-blast injury in children: case report and review of the literature. Başaklar AC. **Z Kinderchir** 1990 Aug;45(4):257–9 (13 ref.)

AIR SACS

METABOLISM

Gas exchange in the fish swimbladder. Scheid P, et al. **Adv Exp Med Biol** 1990;277:735–42 (17 ref.)

AIRCRAFT

Environmental tobacco smoke (ETS) in airliners—a health hazard evaluation. Crawford WA, et al. **Aviat Space Environ Med** 1991 Jun;62(6):580–6 (22 ref.)

Pediatric transport issues in emergency medicine. McCloskey KA, et al. **Emerg Med Clin North Am** 1991 Aug;9(3):475–89 (30 ref.)

Dissemination of human pathogens by airline travel. Masterton RG, et al. **Soc Appl Bacteriol Symp Ser** 1991; 20:31S–38S (44 ref.)

AIRSICKNESS see **MOTION SICKNESS**

AIRWAY OBSTRUCTION

CLASSIFICATION

Epidemiologic evidence for different types of chronic airflow obstruction. Burrows B. **Am Rev Respir Dis** 1991 Jun; 143(6):1452–4; discussion 1455 (18 ref.)

COMPLICATIONS

Noncardiogenic pulmonary edema following upper airway obstruction. 7 cases and a review of the literature. Kollef MH, et al. **Medicine (Baltimore)** 1991 Mar;70(2):91–8 (64 ref.)

Sudden infant death syndrome and small airway occlusion: facts and a hypothesis. Martinez FD. **Pediatrics** 1991 Feb; 87(2):190–8 (89 ref.)

DIAGNOSIS

Upper airway imaging. Douglas NJ. **Clin Phys Physiol Meas** 1990;11 Suppl A:117–9 (12 ref.)

ETIOLOGY

Epidemiology of obstruction, exacerbations and hyperreactivity. Effects of glucocorticosteroids and other anti-inflammatory treatment. Pride NB. **Agents Actions Suppl** 1990;30:59–72 (19 ref.)

Growth of the pharynx and its physiologic implications. Tourné LP. **Am J Orthod Dentofacial Orthop** 1991 Feb; 99(2):129–39 (112 ref.)

Mainstem bronchial obstruction secondary to nasotracheal intubation: a case report and review of the literature. Knuth TE, et al. **Anesth Analg** 1991 Oct;73(4):487–9 (12 ref.)

Life-threatening airway obstruction at the presentation of Hodgkin's disease. Jeffery GM, et al. **Cancer** 1991 Jan 15; 67(2):506–10 (22 ref.)

Fatal airway obstruction caused by a mucous ball from a transtracheal oxygen catheter. Burton GG, et al. **Chest** 1991 Jun;99(6):1520–3 (12 ref.)

Lower airway obstruction in the PICU. Kecskes SA. **Indian J Pediatr** 1990 Mar–Apr;57(2):159–68 (41 ref.)

Fibrous histiocytoma of the trachea: management of a rare cause of upper airway obstruction. Sculerati N, et al. **Int J Pediatr Otorhinolaryngol** 1990 Aug;19(3):295–301 (11 ref.)

Infectious mononucleosis with airway obstruction and multiple cranial nerve paresis. Maddern BR, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):529–32 (22 ref.)

Necrotizing tracheitis caused by Corynebacterium pseudodiphtheriticum: unique case and review. Colt HG, et al. **Rev Infect Dis** 1991 Jan–Feb;13(1):73–6 (16 ref.)

[Respiratory emergencies in childhood] Rossi R, et al. **Fortschr Med** 1991 Apr 20;109(12):253–7 (0 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Bronchial hyperreactivity] van Aalderen WM, et al. **Tijdschr Kindergeneeskd** 1991 Apr;59(2):50–8 (25 ref.) (Eng. Abstr.) **(Dut)**

[The analysis of bronchial obstruction and its reversibility after bronchodilators using a study of "density-effect" on maximum flow] Teculescu D, et al. **Rev Mal Respir** 1991; 8(1):29–37 (110 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Tracheal neurilemmoma: case report and review of the literature. Stack PS, et al. **Head Neck** 1990 Sep–Oct; 12(5):436–9 (27 ref.)

SURGERY

[Snoring and sleep-related respiratory disorders in children—clinical aspects, differential diagnoses and indications for adenotonsillectomy] Mayer-Brix J, et al. **Arch Otorhinolaryngol Suppl** 1991;1:79–114 (227 ref.) **(Ger)**

THERAPY

Airway management for trauma patients with potential cervical spine injuries. Hastings RH, et al. **Anesth Analg** 1991 Oct;73(4):471–82 (92 ref.)

Traumatic rupture of the stomach after Heimlich maneuver. van der Ham AC, et al. **J Emerg Med** 1990 Nov–Dec; 8(6):713–5 (23 ref.)

The cervical spine in maxillofacial trauma. Assessment and airway management. Kellman R. **Otolaryngol Clin North Am** 1991 Feb;24(1):1–13 (50 ref.)

Review of intubation in severe laryngotracheobronchitis. McEniery J, et al. **Pediatrics** 1991 Jun;87(6):847–53 (24 ref.)

[Acute bronchial obstruction in infancy—therapeutic concepts] Seidenberg J, et al. **Monatsschr Kinderheilkd** 1990 Sep;138(9):584–90 (69 ref.) (Eng. Abstr.) **(Ger)**

VETERINARY

Upper airway obstruction in performance horses. Differential diagnoses and treatment. Dean PW. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):123–48 (39 ref.)

Upper respiratory obstruction in foals, weanlings, and yearlings. Hardy J. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):105–22 (51 ref.)

AIRWAY RESISTANCE

[The oscillation method—a cost-effective alternative for the functional diagnosis of respiration mechanics in clinical practice?] Pleger E, et al. **Z Arztl Fortbild (Jena)** 1991 Mar 11;85(5):187–92 (27 ref.) **(Ger)**

DRUG EFFECTS

Pharmacology of inhaled capsaicin in humans. Fuller RW. **Respir Med** 1991 Jan;85 Suppl A:31–4 (29 ref.)

PHYSIOLOGY

Flow resistance in anesthesia. Milic-Emili J. **Acta Anaesthesiol Scand Suppl** 1990;94:42–5 (19 ref.)

Physiological interpretations based on lumped element models fit to respiratory impedance data: use of forward-inverse modeling. Lutchen KR, et al. **IEEE Trans Biomed Eng** 1990 Nov;37(11):1076–86 (26 ref.)

[The reactions of the cardiorespiratory system to increased respiratory resistance] Breslav IS, et al. **Usp Fiziol Nauk** 1991 Apr–Jun;22(2):3–18 (115 ref.) **(Rus)**

AKINETIC PETIT MAL see **EPILEPSY, PETIT MAL**

ALANINE

BIOSYNTHESIS

Industrial production of L-alanine using immobilized Escherichia coli and Pseudomonas dacunhae. Chibata I, et al. **Microbiol Sci** 1984 Jun;1(3):58–62 (5 ref.)

ALANINE AMINOTRANSFERASE

ANALYSIS

Alanine aminotransferase in clinical practice. A review. Sherman KE. **Arch Intern Med** 1991 Feb;151(2):260–5 (26 ref.)

BLOOD

The toxicological significance of decreased activities of blood alanine and aspartate aminotransferase. Waner T, et al. **Vet Res Commun** 1991;15(1):73–8 (22 ref.)

D-ALANINE CARBOXYPEPTIDASE see **CARBOXYPEPTIDASE TRANSPEPTIDASE**

ALBERS-SCHOENBERG DISEASE see **OSTEOPETROSIS**

ALBINISM

see related
CHEDIAK-HIGASHI SYNDROME

GENETICS

Comparative genetics of albinism. Searle AG. **Ophthalmic Paediatr Genet** 1990 Sep;11(3):159–64 (29 ref.)

PHYSIOPATHOLOGY

Normal and abnormal visual field maps in albinos. Central effects of non-matching maps. Guillery RW. **Ophthalmic Paediatr Genet** 1990 Sep;11(3):177–83 (31 ref.)

ALBINISM, OCULOCUTANEOUS

METABOLISM

Ceroid lipofuscin in Hermansky-Pudlak syndrome and neuronal ceroid lipofuscinoses. Puranen M. **Proc Finn Dent Soc** 1990;86(2):99–102 (13 ref.)

PHYSIOPATHOLOGY

Retinal image quality in albinos. A review. Abadi RV, et al. **Ophthalmic Paediatr Genet** 1990 Sep;11(3):171–6 (19 ref.)

ALBINISM, TYROSINASE-NEGATIVE see **ALBINISM, OCULOCUTANEOUS**

ALBINISM, TYROSINASE-POSITIVE see **ALBINISM, OCULOCUTANEOUS**

ALBINISM, YELLOW-MUTANT see **ALBINISM, OCULOCUTANEOUS**

ALBUMINS

GENETICS

The activation and silencing of gene transcription in the liver. Camper SA, et al. **Biotechnology** 1991;16:81–7 (24 ref.)

METABOLISM

Metabolism of albumin and immunoglobulins in the nephrotic syndrome. Kaysen GA, et al. **Am J Nephrol** 1990;10 Suppl 1:36–42 (78 ref.)

THERAPEUTIC USE

Use of intravenous albumin in the critically ill patient. Guthrie RD Jr, et al. **Am J Gastroenterol** 1991 Mar; 86(3):255–63 (67 ref.)

The use of albumin in clinical practice. Erstad BL, et al. **Arch Intern Med** 1991 May;151(5):901–11 (78 ref.)

ALBUMINURIA

Microalbuminuria: measurements, determinants and accompaniments [editorial] Ganda OP. **Diabetes Res Clin Pract** 1991 Mar;11(3):137–9 (18 ref.)

COMPLICATIONS

Microalbuminuria in essential hypertension. Ljungman S. **Am J Hypertens** 1990 Dec;3(12 Pt 1):956–60 (41 ref.)

ALBUMINURIA

DIAGNOSIS

Microalbuminuria in diabetes: which method to employ, which sample to collect. Giampietro O, et al. **J Nucl Med Allied Sci** 1990 Apr–Jun;34(2):111–20 (71 ref.)
Microalbuminuria in diabetic care. Jennings P. **Scott Med J** 1990 Oct;35(5):132–3 (35 ref.)

EPIDEMIOLOGY

Microalbuminuria: studies in diabetes, essential hypertension, and renal diseases as compared with the background population. Mogensen CE, et al. **Adv Nephrol Necker Hosp** 1991;20:191–228 (65 ref.)

ETIOLOGY

[Etiopathogenesis of early stages of diabetic nephropathy] Pynka S, et al. **Pol Tyg Lek** 1990 Oct 1–8;45(40–41):830–5 (58 ref.) **(Pol)**

URINE

Albuminuria—a marker of renal and generalized vascular disease in insulin-dependent diabetes mellitus. Jensen T. **Dan Med Bull** 1991 Apr;38(2):134–44 (181 ref.)
The clinical significance of microalbuminuria in diabetes mellitus. Nagoshi MH, et al. **Hawaii Med J** 1990 Nov; 49(11):417–8, 420 (36 ref.)

ALBUTEROL

ANALOGS & DERIVATIVES

Long-acting beta 2-adrenoceptor agonists: a new perspective in the treatment of asthma. Löfdahl CG, et al. **Eur Respir J** 1991 Feb;4(2):218–26 (74 ref.)

ALCALIGENES

ISOLATION & PURIFICATION

Achromobacter xylosoxidans bacteremia. McGann KA, et al. **Infect Control Hosp Epidemiol** 1990 Oct;11(10):539–41 (15 ref.)

METABOLISM

Biosynthesis and composition of bacterial poly(hydroxyalkanoates). Anderson AJ, et al. **Int J Biol Macromol** 1990 Apr;12(2):102–5 (16 ref.)
Physiology and molecular genetics of poly(beta-hydroxy-alkanoic acid) synthesis in Alcaligenes eutrophus. Steinbüchel A, et al. **Mol Microbiol** 1991 Mar; 5(3):535–42 (50 ref.)

ALCOHOL ABUSE see **ALCOHOLISM**

ALCOHOL AMNESTIC DISORDER

METABOLISM

The Korsakoff syndrome: a neurochemical perspective [published erratum appears in Trends Neurosci 1990 Nov;13(11):446] McEntee WJ, et al. **Trends Neurosci** 1990 Aug;13(8):340–4 (35 ref.)

PHYSIOPATHOLOGY

Alcohol and the brain [see comments] Lishman WA. **Br J Psychiatry** 1990 May;156:635–44 (75 ref.) Comment in: Br J Psychiatry 1990 Sep;157:454–5.
Residual effects of alcohol. Nathan PE. **NIDA Res Monogr** 1990;101:112–23 (50 ref.)

PSYCHOLOGY

The relationship between anterograde and retrograde amnesia in alcoholic Wernicke–Korsakoff syndrome [editorial] Parkin AJ. **Psychol Med** 1991 Feb;21(1):11–4 (21 ref.)

ALCOHOL DEHYDROGENASE

CHEMISTRY

Comparison of the primary structures of NAD(P)-dependent bacterial alcohol dehydrogenases. Wales MR, et al. **Adv Exp Med Biol** 1991;284:337–45 (36 ref.)

GENETICS

Transcriptional control of alcohol dehydrogenase genes in plants. DeLisle AJ, et al. **Int Rev Cytol** 1990;123:39–60 (48 ref.)
Genetics of human alcohol-metabolizing enzymes. Yoshida A, et al. **Prog Nucleic Acid Res Mol Biol** 1991;40:255–87 (156 ref.)

PHYSIOLOGY

A hypothetical mechanism for fetal alcohol syndrome involving ethanol inhibition of retinoic acid synthesis at the alcohol dehydrogenase step. Duester G. **Alcohol Clin Exp Res** 1991 Jun;15(3):568–72 (64 ref.)

ALCOHOL DETERRENTS

THERAPEUTIC USE

Chemical aversion treatment of alcohol dependence. I. Validity of current criticisms. Howard MO, et al. **Int J Addict** 1990 Oct;25(10):1227–62 (80 ref.)

ALCOHOL DRINKING

see related
ALCOHOLISM

Anatomical "circuitry" in the brain mediating alcohol drinking revealed by THP-reactive sites in the limbic system. Myers RD. **Alcohol** 1990 Sep–Oct;7(5):449–59 (89 ref.)
Alcohol and atherosclerosis. Steinberg D, et al. **Ann Intern Med** 1991 Jun 1;114(11):967–76 (78 ref.)
Controlled drinking, treatment effectiveness, and the disease model of addiction: a commentary on the ideological wishes of Stanton Peele. Wallace J. **J Psychoactive Drugs** 1990 Jul–Sep;22(3):261–84 (85 ref.)
[The "phenomenon of ethanol preference"] Andronova LM, et al. **Farmakol Toksikol** 1991 Mar–Apr;54(2):73–7 (45 ref.) (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Alcohol and bone disease. Rico H. **Alcohol Alcohol** 1990; 25(4):345–52 (100 ref.)
Neuroadaptive responses to chronic ethanol. Buck KJ, et al. **Alcohol Clin Exp Res** 1991 Jun;15(3):460–70 (186 ref.)
Alcohol and the heart. The long-term effects of alcohol on the cardiovascular system. Moushmoush B, et al. **Arch Intern Med** 1991 Jan;151(1):36–42 (141 ref.)
Cardiovascular effects of alcohol, cocaine, and acquired immune deficiency. Brown J, et al. **Cardiovasc Clin** 1991; 21(3):341–76 (194 ref.)
Smoking and drinking: a review of the literature. Bien TH, et al. **Int J Addict** 1990 Dec;25(12):1429–54 (80 ref.)
The association between alcohol and breast cancer risk: evidence from the combined analysis of six dietary case-control studies. Howe G, et al. **Int J Cancer** 1991 Mar 12;47(5):707–10 (19 ref.)
Effects of alcohol (ethanol) on the fetus. Brien JF, et al. **J Dev Physiol** 1991 Jan;15(1):21–32 (68 ref.)
Maternal and paternal alcohol use: effects on the immune system of the offspring. Gottesfeld Z, et al. **Life Sci** 1991; 48(1):1–8 (58 ref.)
Alcohol use during pregnancy: what is the risk? Alpert JJ, et al. **Pediatr Rev** 1991 Jun;12(12):375–9; discussion 380–1 (38 ref.)
Alcohol and cancer. Tuyns AJ. **Proc Nutr Soc** 1990 Jul; 49(2):145–51 (33 ref.)
Moderate alcohol use and coronary heart disease: a U-shaped curve? Veenstra J. **World Rev Nutr Diet** 1991;65:38–71 (166 ref.)
[Nutrition-related diseases of adults] Schlierf G, et al. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):307–15 (14 ref.) (Eng. Abstr.) **(Ger)**
[The effect of chronic alcohol consumption on blood pressure] Mohácsi G, et al. **Orv Hetil** 1991 Jan 13; 132(2):63–4, 67–8 (23 ref.) (Eng. Abstr.) **(Hun)**
[Alcohol and the circulatory system] Ptaszyńska A. **Kardiol Pol** 1990;33(9–10):48–54 (39 ref.) **(Pol)**

EPIDEMIOLOGY

[Use of alcohol and narcotics among Danish adolescents in the 1980's] Nielsen HW, et al. **Ugeskr Laeger** 1991 Apr 22;153(17):1189–93 (17 ref.) (Eng. Abstr.) **(Dan)**
[Alcohol and drug problems in the Third World] Mork T. **Tidsskr Nor Laegeforen** 1991 Jun 10;111(15):1855–7 (16 ref.) (Eng. Abstr.) **(Nor)**

ETHNOLOGY

Drinking, the construction of ethnic identity and social process in a Western Australian youth subculture. Moore D. **Br J Addict** 1990 Oct;85(10):1265–78 (55 ref.)

GENETICS

Rehabilitating a genetic perspective in the study of tobacco and alcohol use. Kozlowski LT. **Br J Addict** 1991 May; 86(5):517–20 (22 ref.)
Genetic influences on tobacco use: a review of human and animal studies. Collins AC. **Int J Addict** 1990–91; 25(1A):35–55 (70 ref.)
Animal models for the study of alcoholism: utility of selected lines. Froehlich JC, et al. **J Addict Dis** 1991;10(1–2):61–71 (40 ref.)
Alcohol challenge with sons of alcoholics: a critical review and analysis. Newlin DB, et al. **Psychol Bull** 1990 Nov; 108(3):383–402 (95 ref.)

LEGISLATION & JURISPRUDENCE

[Blood alcohol concentration and effect, traffic medicine characteristics and legal traffic relevance of alcohol limit values in road traffic] Heifer U. **Blutalkohol** 1991 May; 28(3):121–45 (49 ref.) (Eng. Abstr.) **(Ger)**
[Offenses in alcoholic intoxication with reference to American research] Middendorff W. **Blutalkohol** 1991 May; 28(3):174–9 (15 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

[New aspects of the pharmacokinetics of ethanol] Papke J. **Z Gesamte Inn Med** 1990 Oct 15;45(20):616–20 (40 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Regulation of alcohol consumption by the renin-angiotensin system: a review of recent findings and a possible mechanism of action. Grupp LA, et al. **Neurosci Biobehav Rev** 1991 Summer;15(2):265–75 (62 ref.)
[Alcohol drinking behaviors--physiological and sociomedical factors] Komura S. **Nippon Hoigaku Zasshi** 1990 Dec;44(5–6):385–403 (39 ref.) (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

General deterrence of drunk driving: evaluation of recent American policies. Evans WN, et al. **Risk Anal** 1991 Jun; 11(2):279–89 (36 ref.)

PSYCHOLOGY

Stress and alcohol interaction: an update of human research. Pohorecky LA. **Alcohol Clin Exp Res** 1991 Jun; 15(3):438–59 (234 ref.)
American Indians, stress, and alcohol. Mail PD. **Am Indian Alsk Native Ment Health Res** 1989;3(2):7–26 (70 ref.)
Chemical dependency in women: important issues. Blume SB. **Am J Drug Alcohol Abuse** 1990;16(3–4):297–307 (52 ref.)
Alcohol myopia. Its prized and dangerous effects. Steele CM, et al. **Am Psychol** 1990 Aug;45(8):921–33 (60 ref.)
Hispanic drinking in the US: thinking in new directions [editorial] Caetano R. **Br J Addict** 1990 Oct;85(10):1231–6 (37 ref.)
The Mortimer–Filkins test of problem drinking: a review of psychometric properties. Webb GR. **Br J Addict** 1990 Nov; 85(11):1491–4 (13 ref.)
Cue-exposure interventions for alcohol relapse prevention: need for a memory modification component. Sussman S, et al. **Int J Addict** 1990 Aug;25(8):921–9 (28 ref.)
Alcohol expectancies and male sexuality: review and implications for sex therapy. Roehrich L, et al. **J Sex Marital Ther** 1991 Spring;17(1):45–54 (48 ref.)
Learning as a factor in ethanol tolerance. Lê AD, et al. **NIDA Res Monogr** 1990;97:193–207 (80 ref.)
The interrelationships between alcohol and drugs and family violence. Miller BA. **NIDA Res Monogr** 1990;103:177–207 (86 ref.)
Alcohol use and abuse secondary to anxiety. Wesner RB. **Psychiatr Clin North Am** 1990 Dec;13(4):699–713 (39 ref.)

TRENDS

[Alcohol and health in Switzerland: epidemiological and legal aspects] Levi F, et al. **Rev Med Suisse Romande** 1991 May; 111(5):409–17 (36 ref.) **(Fre)**

ALCOHOL, ETHYL

see related
ALCOHOLIC BEVERAGES

Hepatocellular carcinoma, alcohol, and cirrhosis: facts and hypotheses. Naccarato R, et al. **Dig Dis Sci** 1991 Aug; 36(8):1137–42 (81 ref.)

ADMINISTRATION & DOSAGE

[Induction of cytochrome P-450 monooxygenase after combined exposure of rats to xylene and ethanol] Wiśniewska-Knypl JM, et al. **Folia Med Cracov** 1990; 31(3):185–92 (12 ref.) (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Endocrine consequences of alcohol abuse. Van Thiel DH, et al. **Alcohol Alcohol** 1990;25(4):341–4 (37 ref.)
A hypothetical mechanism for fetal alcohol syndrome involving ethanol inhibition of retinoic acid synthesis at the alcohol dehydrogenase step. Duester G. **Alcohol Clin Exp Res** 1991 Jun;15(3):568–72 (64 ref.)
Fetal alcohol exposure: cellular toxicity and molecular events involved in toxicity. Michaelis EK. **Alcohol Clin Exp Res** 1990 Dec;14(6):819–26 (59 ref.)
Diet, smoking, and alcohol: influence on coronary heart disease risk. Castelli WP. **Am J Kidney Dis** 1990 Oct;16(4 Suppl 1):41–6 (38 ref.)
Alcohol and drug interactions. Mattila MJ. **Ann Med** 1990; 22(5):363–9 (46 ref.)
Teratogenic effects of alcohol on brain development. West JR, et al. **Ann Med** 1990;22(5):319–25 (43 ref.)
Teratogenesis: alcohol, angiotensin-converting-enzyme inhibitors, and cocaine. Beckman DA, et al. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):236–45 (19 ref.)
Beta-blockers in alcohol withdrawal. Neff DA, et al. **DICP** 1991 Jan;25(1):31–2 (8 ref.)
Chlormethiazole: current status in the treatment of the acute ethanol withdrawal syndrome. Majumdar SK. **Drug Alcohol Depend** 1991 May;27(3):201–7 (46 ref.)
Alcohol withdrawal syndromes. McMicken DB. **Emerg Med Clin North Am** 1990 Nov;8(4):805–19 (103 ref.)
Effects of alcohol (ethanol) on the fetus. Brien JF, et al.

J Dev Physiol 1991 Jan;15(1):21–32 (68 ref.)
Benzodiazepines and alcohol. Linnoila MI.
J Psychiatr Res 1990;24 Suppl 2:121–7 (7 ref.)
Residual effects of alcohol. Nathan PE.
NIDA Res Monogr 1990;101:112–23 (50 ref.)
Learning and memory deficits in detoxified alcoholics. Oscar-Berman M. **NIDA Res Monogr** 1990;101:136–55 (61 ref.)
A murine retrovirus model for studies of the role of cofactors and ethanol in AIDS development. Watson RR.
NIDA Res Monogr 1990;96:166–80 (22 ref.)
Nonprescription drugs and hypertension. Which ones affect blood pressure? Bradley JG. **Postgrad Med** 1991 May 1; 89(6):195–7, 201–2 (32 ref.)
The drug management of severe alcohol withdrawal syndrome. Gillman MA, et al. **Postgrad Med J** 1990 Dec; 66(782):1005–9 (47 ref.)
Providing cost efficient detoxification services to alcoholic patients. Beshai NN. **Public Health Rep** 1990 Sep–Oct; 105(5):475–81 (48 ref.)
[Dietary factors in the pathogenesis of alcoholic cirrhosis: what's new? [editorial] Naveau S, et al.
Gastroenterol Clin Biol 1990;14(10):695–7 (23 ref.) **(Fre)**
[Nutrition and breast cancer] Richardson S, et al.
Pathol Biol (Paris) 1991 Jan;39(1):74–5 (44 ref.) **(Fre)**
[Influence of alcohol on plasma lipids and atherogenesis. Epidemiological and biochemical aspects] Ghalim N, et al. **Presse Med** 1991 Mar 23;20(11):507–12 (25 ref.) (Eng. Abstr.) **(Fre)**
[Biochemical aspects of alcoholism. IV. Alcohol-induced diseases of the liver] Szczepańska-Szewczyk M, et al.
Postepy Hig Med Dosw 1989;43(5–6):541–73 (103 ref.) (Eng. Abstr.) **(Pol)**
[Effect of alcohol on the functional state of the immune system] Aliev NA. **Sov Med** 1991;(2):41–4 (52 ref.) **(Rus)**

ANALYSIS

Alcohol and the laboratory in the United Kingdom. Wright JW. **Ann Clin Biochem** 1991 May;28 (Pt 3):212–7 (23 ref.)
How much alcohol is in a 'standard drink'? An analysis of 125 studies. Turner C. **Br J Addict** 1990 Sep;85(9):1171–5 (11 ref.)

BLOOD

[Blood alcohol concentration and effect, traffic medicine characteristics and legal traffic relevance of alcohol limit values in road traffic] Heifer U. **Blutalkohol** 1991 May; 28(3):121–45 (49 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

The role of arginine vasopressin in alcohol tolerance. Hoffman PL, et al. **Ann Med** 1990;22(4):269–74 (47 ref.)
Mechanism of fatty acid ethyl ester formation and biological significance. Lange LG. **Ann N Y Acad Sci** 1991;625:802–5 (9 ref.)
Acetaldehyde and microtubules. Tuma DJ, et al.
Ann N Y Acad Sci 1991;625:786–92 (37 ref.)
Biochemical aspects of cellular oxidative stress. Videla LA, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):85–92 (34 ref.)
Regulation of sugar and ethanol metabolism in Saccharomyces cerevisiae. Wills C.
Crit Rev Biochem Mol Biol 1990;25(4):245–80 (359 ref.)
Roles for replicative deactivation in yeast-ethanol fermentations. Jones RP. **Crit Rev Biotechnol** 1990; 10(3):205–22 (146 ref.)
Interaction of alcohol with other drugs and nutrients. Implication for the therapy of alcoholic liver disease. Lieber CS. **Drugs** 1990;40 Suppl 3:23–44 (212 ref.)
Pathology and pathogenesis of toxic (alcoholic) liver disease. Charels K, et al. **Hepatogastroenterology** 1991 Apr; 38(2):189–94 (61 ref.)
Zymomonas ethanol fermentations. Rogers PL, et al.
Microbiol Sci 1984 Sep;1(6):133–6 (31 ref.)
[The significanse of microsomal ethanol oxidation systems for the metabolism of drugs and pollutants] Hoffmann P, et al. **Pharmazie** 1991 Apr;46(4):241–6 (87 ref.) **(Ger)**

PHARMACOKINETICS

Cell population depletion associated with fetal alcohol brain damage: mechanisms of BAC-dependent cell loss. West JR, et al. **Alcohol Clin Exp Res** 1990 Dec;14(6):813–8 (44 ref.)
The metabolic basis of the fetal alcohol syndrome. Luke B. **Int J Fertil** 1990 Nov–Dec;35(6):333–7 (38 ref.)
[Offenses in alcoholic intoxication with reference to American research] Middendorff W. **Blutalkohol** 1991 May; 28(3):174–9 (15 ref.) (Eng. Abstr.) **(Ger)**
[New aspects of the pharmacokinetics of ethanol] Papke J. **Z Gesamte Inn Med** 1990 Oct 15;45(20):616–20 (40 ref.) (Eng. Abstr.) **(Ger)**
[The metabolic aspects of ethanol in alcoholic intoxication] Mel'nikov IuL, et al. **Sud Med Ekspert** 1990 Jul–Sep; 33(3):37–9 (33 ref.) **(Rus)**

PHARMACOLOGY

Interaction of alcohol and stress at the cardiovascular level. Pohorecky LA. **Alcohol** 1990 Nov–Dec;7(6):537–46 (121 ref.)
Alcohol and GABA-benzodiazepine receptor function. Ticku MK. **Ann Med** 1990;22(4):241–6 (44 ref.)
Cellular electrophysiological actions of ethanol on mammalian neurons in brain slices. Carlen PL, et al.
Ann N Y Acad Sci 1991;625:17–25 (31 ref.)
The role of adenosine and adenosine transport in ethanol-induced cellular tolerance and dependence. Possible biologic and genetic markers of alcoholism. Diamond I, et al. **Ann N Y Acad Sci** 1991;625:473–87 (31 ref.)
Effects of alcohol on polyphosphoinositide-mediated intracellular signaling. Hoek JB, et al.
Ann N Y Acad Sci 1991;625:375–87 (17 ref.)
The role of calcium flux in the central nervous system actions of ethanol. Littleton JM, et al. **Ann N Y Acad Sci** 1991; 625:388–94 (20 ref.)
Allosteric actions of central nervous system depressants including anesthetics on subtypes of the inhibitory gamma-aminobutyric acidA receptor-chloride channel complex. Olsen RW, et al. **Ann N Y Acad Sci** 1991; 625:145–54 (72 ref.)
Effects of ethanol on calcium channels, potassium channels, and vasopressin release. Treistman SN, et al.
Ann N Y Acad Sci 1991;625:249–63 (32 ref.)
Alcohol and anesthetic actions on excitatory amino acid-activated ion channels. Weight FF, et al.
Ann N Y Acad Sci 1991;625:97–107 (40 ref.)
Chronic ethanol-induced heterologous desensitization is mediated by changes in adenosine transport. Gordon AS, et al. **Biochem Soc Symp** 1990;56:117–36 (55 ref.)
Multiple mechanisms in the regulation of ethanol-inducible cytochrome P450IIE1. Koop DR, et al. **Bioessays** 1990 Sep;12(9):429–35 (51 ref.)
Effects of ethanol on platelets [editorial] Rubin R.
Lab Invest 1990 Dec;63(6):729–32 (39 ref.)
Stress-ethanol interaction: involvement of endogenous opioid mechanisms. Aragon CM, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):535–41 (37 ref.)
Mechanisms that may underlie the behavioural effects of ethanol. Little HJ. **Prog Neurobiol** 1991;36(3):171–94 (210 ref.)
Alcohol and the small intestine. Persson J.
Scand J Gastroenterol 1991 Jan;26(1):3–15 (133 ref.)
[Stimulation of microsomal lipid peroxidation as the effect of combined action of xylene and ethanol] Jajte J, et al.
Folia Med Cracov 1990;31(3):193–9 (18 ref.) (Eng. Abstr.) **(Pol)**
[Inhibition by ethanol and acetaldehyde the plasmin activity and plasminogen activation induced by urokinase and streptokinase] Roszkowska-Jakimiec W, et al.
Rocz Akad Med Bialymst 1988–89;33–34:53–66 (14 ref.) (Eng. Abstr.) **(Pol)**
[The role of acetaldehyde in the mechanisms of the action of ethanol] Bozhko GKh. **Usp Fiziol Nauk** 1990 Jul–Sep; 21(3):98–116 (152 ref.) **(Rus)**

THERAPEUTIC USE

[Ultrasound-guided percutaneous ethanol injection of small malignant tumors of the liver. Results in 20 patients] Seitz JF, et al. **Ann Radiol (Paris)** 1990;33(2):99–103 (16 ref.) (Eng. Abstr.) **(Fre)**

TOXICITY

Effects of ethanol exposure on the embryo-fetus: experimental considerations, mechanisms, and the role of prostaglandins. Smith GN, et al.
Can J Physiol Pharmacol 1991 May;69(5):550–69 (173 ref.)
Effects of prenatal exposure to ethanol on rat liver development. Renau-Piqueras J, et al. **Int J Dev Biol** 1989 Sep;33(3):345–60 (60 ref.)
Alcohol--risk factor in prenatal pathology (alcohol embryo- and fetopathy). Sandor S, et al. **Sante Publique (Bucur)** 1990 Jan–Mar;33(1):69–76 (39 ref.)
Brain lipid changes after ethanol exposure. Gustavsson L. **Ups J Med Sci Suppl** 1990;48:245–66 (72 ref.)
[Current findings on the hepatic toxicity of alcohol] Gonvers JJ. **Rev Med Suisse Romande** 1991 May;111(5):385–8 (10 ref.) **(Fre)**
[Ethanol: current theories on its toxic effect with special reference to the effect on the central nervous system of adult mammals and during individual development] Felińska W, et al. **Postepy Hig Med Dosw** 1990; 44(1–3):113–37 (165 ref.) (Eng. Abstr.) **(Pol)**
[Ethanol and protein biosynthesis in the animal liver (review of the literature)] Bozhko GKh, et al. **Vopr Med Khim** 1990 Jul–Aug;36(4):2–6 (52 ref.) (Eng. Abstr.) **(Rus)**

ALCOHOL, METHYL

METABOLISM

Heterologous gene expression in methylotrophic yeast. Tschopp JF, et al. **Biotechnology** 1991;18:305–22 (57 ref.)
The oxidation of methanol in gram-negative bacteria. Anthony C. **FEMS Microbiol Rev** 1990 Dec;7(3–4):209–14 (19 ref.)
The growth rate-limiting reaction in methanol-assimilating yeasts. Brinkmann U, et al. **FEMS Microbiol Rev** 1990 Dec; 7(3–4):261–5 (15 ref.)
Structure/function relationships in methylotrophic yeasts. Harder W. **FEMS Microbiol Rev** 1990 Dec;7(3–4):191–9 (29 ref.)
Genetics of carbon metabolism in methylotrophic bacteria. Lidstrom ME. **FEMS Microbiol Rev** 1990 Dec;7(3–4):431–6 (29 ref.)
Emerging applications of the methylotrophic yeasts. Wegner GH. **FEMS Microbiol Rev** 1990 Dec;7(3–4):279–83 (22 ref.)
Biosynthesis and assembly of alcohol oxidase, a peroxisomal matrix protein in methylotrophic yeasts: a review. van der Klei IJ, et al. **Yeast** 1991 Apr;7(3):195–209 (99 ref.)

PHARMACOLOGY

[Spectral interactions of cytochrome P-450 with n-heptane and methanol] Szutowski MM, et al. **Folia Med Cracov** 1990;31(3):175–84 (16 ref.) (Eng. Abstr.) **(Pol)**

POISONING

The other alcohols. Methanol, ethylene glycol, and isopropanol. Burkhart KK, et al.
Emerg Med Clin North Am 1990 Nov;8(4):913–28 (132 ref.)

TOXICITY

The toxicity of inhaled methanol vapors. Kavet R, et al.
Crit Rev Toxicol 1990;21(1):21–50 (117 ref.)
The toxicity of methanol. Tephly TR. **Life Sci** 1991; 48(11):1031–41 (69 ref.)

ALCOHOL OXIDOREDUCTASES

BIOSYNTHESIS

Biosynthesis and assembly of alcohol oxidase, a peroxisomal matrix protein in methylotrophic yeasts: a review. van der Klei IJ, et al. **Yeast** 1991 Apr;7(3):195–209 (99 ref.)

CHEMISTRY

The oxidation of methanol in gram-negative bacteria. Anthony C. **FEMS Microbiol Rev** 1990 Dec;7(3–4):209–14 (19 ref.)

METABOLISM

A paradigm for aldehyde oxidation: histidinol dehydrogenase. Grubmeyer C. **Adv Exp Med Biol** 1991; 284:105–12 (33 ref.)
Emerging applications of the methylotrophic yeasts. Wegner GH. **FEMS Microbiol Rev** 1990 Dec;7(3–4):279–83 (22 ref.)

ALCOHOL, PROPYL

ANALOGS & DERIVATIVES

Aspects of allyl alcohol toxicity. Atzori L, et al.
Drug Metabol Drug Interact 1989;7(4):295–319 (90 ref.)
Periportal hepatotoxicity due to allyl alcohol: a myriad of proposed mechanisms. Badr MZ. **J Biochem Toxicol** 1991 Spring;6(1):1–5 (40 ref.)

POISONING

The other alcohols. Methanol, ethylene glycol, and isopropanol. Burkhart KK, et al.
Emerg Med Clin North Am 1990 Nov;8(4):913–28 (132 ref.)

ALCOHOL WITHDRAWAL DELIRIUM

DIAGNOSIS

[The clinical picture and diagnosis of perioperative delirium tremens] Braun U. **Dtsch Med Wochenschr** 1991 Mar 22; 116(12):465–7 (9 ref.) **(Ger)**

DRUG THERAPY

Chlormethiazole: current status in the treatment of the acute ethanol withdrawal syndrome. Majumdar SK.
Drug Alcohol Depend 1991 May;27(3):201–7 (46 ref.)

ETIOLOGY

Residual effects of alcohol. Nathan PE.
NIDA Res Monogr 1990;101:112–23 (50 ref.)

THERAPY

Management of the alcohol withdrawal syndrome. Romach MK, et al. **Annu Rev Med** 1991;42:323–40 (74 ref.)

ALCOHOLIC BEVERAGES

ADVERSE EFFECTS

Is alcohol a carcinogenic risk? Turner C, et al.
Br J Addict 1990 Nov;85(11):1409–15 (39 ref.)
[Hyperuricemia and restriction of alcoholic beverages] Kaneko K. **Nippon Rinsho** 1991 May;49(5):1108–15 (21 ref.) **(Jpn)**

ANALYSIS

How much alcohol is in a 'standard drink'? An analysis of 125 studies. Turner C. **Br J Addict** 1990 Sep;85(9):1171–5 (11 ref.)

ALCOHOLIC CIRRHOSIS see **LIVER CIRRHOSIS,**

ALCOHOLIC CIRRHOSIS

ALCOHOLIC

ALCOHOLIC FATTY LIVER see FATTY LIVER, ALCOHOLIC

ALCOHOLIC HEPATITIS see HEPATITIS, ALCOHOLIC

ALCOHOLIC INTOXICATION

BLOOD

[Blood alcohol concentration and effect, traffic medicine characteristics and legal traffic relevance of alcohol limit values in road traffic] Heifer U. **Blutalkohol** 1991 May; 28(3):121–45 (49 ref.) (Eng. Abstr.) **(Ger)**

[Offenses in alcoholic intoxication with reference to American research] Middendorff W. **Blutalkohol** 1991 May; 28(3):174–9 (15 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Management issues for trauma patients with alcohol. Waller JA. **J Trauma** 1990 Dec;30(12):1548–53 (39 ref.)

Substance abuse–related spontaneous bladder rupture: report of 2 cases and review of the literature. Marshall GA, et al. **J Urol** 1991 Jan;145(1):135–7 (24 ref.)

DIAGNOSIS

Acute intoxication. Marco CA, et al.
Emerg Med Clin North Am 1990 Nov;8(4):731–48 (58 ref.)

Nosologic objections to the criminal defense of pathological intoxication: what do the doubters doubt? Tiffany LP, et al. **Int J Law Psychiatry** 1990;13(1–2):49–75 (105 ref.)

[Acute alcohol intoxication in children. Diagnosis, treatment and complications] Madsen LP. **Ugeskr Laeger** 1990 Aug 13;152(33):2362–4 (30 ref.) (Eng. Abstr.) **(Dan)**

[Biochemical research on monoamine oxidases and their significance in the diagnosis of alcoholic intoxication] Porodenko VA, et al. **Sud Med Ekspert** 1991 Jan–Mar; 34(1):45–6 (47 ref.) **(Rus)**

ENZYMOLOGY

[New aspects of the pharmacokinetics of ethanol] Papke J. **Z Gesamte Inn Med** 1990 Oct 15;45(20):616–20 (40 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

Alcohol and crimes of violence: present issues. Murdoch D, et al. **Int J Addict** 1990 Sep;25(9):1065–81 (60 ref.)

ETHNOLOGY

Drunk driving among American blacks and Hispanics. Ross HL, et al. **Accid Anal Prev** 1991 Feb;23(1):1–11 (32 ref.)

METABOLISM

Neuropharmacological and clinical aspects of alcohol withdrawal. Nutt DJ, et al. **Ann Med** 1990;22(4):275–81 (106 ref.)

[The metabolic aspects of ethanol in alcoholic intoxication] Mel'nikov IuL, et al. **Sud Med Ekspert** 1990 Jul–Sep; 33(3):37–9 (33 ref.) **(Rus)**

MORTALITY

[Cause of death in severe acute ethanol intoxication] Leopold D. **Beitr Gerichtl Med** 1990;48:163–7 (47 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Learning as a factor in ethanol tolerance. Lê AD, et al. **NIDA Res Monogr** 1990;97:193–207 (80 ref.)

ALCOHOLIC LIVER DISEASES see LIVER DISEASES, ALCOHOLIC

ALCOHOLICS ANONYMOUS

Altered states of consciousness therapy. A missing component in alcohol and drug rehabilitation treatment. McPeake JD, et al. **J Subst Abuse Treat** 1991;8(1–2):75–82 (21 ref.)

ALCOHOLISM

see related
ALCOHOLICS ANONYMOUS
FETAL ALCOHOL SYNDROME

Alcohol abuse in adolescents. Alexander B.
Am Fam Physician 1991 Feb;43(2):527–32 (10 ref.)

[The effect of chronic alcohol consumption on blood pressure] Mohácsi G, et al. **Orv Hetil** 1991 Jan 13; 132(2):63–4, 67–8 (23 ref.) (Eng. Abstr.) **(Hun)**

BLOOD

Endocrine consequences of alcohol abuse. Van Thiel DH, et al. **Alcohol Alcohol** 1990;25(4):341–4 (37 ref.)

Effects of ethanol on platelets [editorial] Rubin R.
Lab Invest 1990 Dec;63(6):729–32 (39 ref.)

[Blood proteins in alcoholism (review of the literature)] Bozhko GKh, et al. **Zh Nevropatol Psikhiatr** 1991; 91(2):126–8 (38 ref.) **(Rus)**

CLASSIFICATION

Diagnosis of chronic alcoholism--classificatory problems. Lesch OM, et al. **Psychopathology** 1990;23(2):88–96 (48 ref.)

COMPLICATIONS

Alcohol and bone disease. Rico H. **Alcohol Alcohol** 1990; 25(4):345–52 (100 ref.)

Dual diagnoses: psychiatric syndromes in alcoholism and drug addiction. Miller NS, et al. **Am Fam Physician** 1991 Jun;43(6):2071–6 (27 ref.)

Hemochromatosis and infection: alcohol and iron, oysters and sepsis. Muench KH. **Am J Med** 1989 Sep; 87(3N):40N–43N (38 ref.)

Alcohol abuse and brain infarction. Hillbom M, et al.
Ann Med 1990;22(5):347–52 (46 ref.)

Alcohol and the heart. The long-term effects of alcohol on the cardiovascular system. Moushmoush B, et al.
Arch Intern Med 1991 Jan;151(1):36–42 (141 ref.)

Is alcohol a carcinogenic risk? Turner C, et al.
Br J Addict 1990 Nov;85(11):1409–15 (39 ref.)

The physician's role. Kendell RE. **Can Med Assoc J** 1990 Nov 15;143(10):1042–7 (21 ref.)

Early identification of alcohol problems. Saunders JB, et al.
Can Med Assoc J 1990 Nov 15;143(10):1060–9 (73 ref.)

Alcohol use in pregnancy. Pietrantoni M, et al.
Clin Perinatol 1991 Mar;18(1):93–111 (128 ref.)

Safe use of codeine in the recovering alcoholic or addict. Stock CJ. **DICP** 1991 Jan;25(1):49–53 (29 ref.)

Alcoholic ketoacidosis. Adams SL.
Emerg Med Clin North Am 1990 Nov;8(4):749–60 (97 ref.)

Alcohol and gastrointestinal bleeding. MacMath TL.
Emerg Med Clin North Am 1990 Nov;8(4):859–72 (132 ref.)

Alcohol and trauma. Marx J. **Emerg Med Clin North Am** 1990 Nov;8(4):929–38 (96 ref.)

Cardiac disease in the alcoholic patient. Peacock WF 4th. **Emerg Med Clin North Am** 1990 Nov;8(4):775–91 (93 ref.)

Electrolyte abnormalities in the alcoholic patient. Ragland G. **Emerg Med Clin North Am** 1990 Nov;8(4):761–73 (63 ref.)

Infections in alcoholic patients. Sternbach GL.
Emerg Med Clin North Am 1990 Nov;8(4):793–803 (47 ref.)

Neurologic complications of alcoholism. Wrenn KD, et al.
Emerg Med Clin North Am 1990 Nov;8(4):835–58 (161 ref.)

Seizures in the alcoholic patient. Young GP.
Emerg Med Clin North Am 1990 Nov;8(4):821–33 (39 ref.)

Alcoholic pancreatitis. Possible role of digestive enzyme and lysosomal hydrolase colocalization and abnormal trafficking of proteins after exit site at trans Golgi network (TGN). Singh M. **Int J Pancreatol** 1991 Feb;8(2):111–8 (52 ref.)

Multiple addictions: co–synchronous use of alcohol and drugs. Miller NS, et al. **N Y State J Med** 1990 Dec; 90(12):596–600 (20 ref.)

Alcohol use during pregnancy: what is the risk? Alpert JJ, et al. **Pediatr Rev** 1991 Jun;12(12):375–9; discussion 380–1 (38 ref.)

Comorbidity for alcoholism and depression. Merikangas KR, et al. **Psychiatr Clin North Am** 1990 Dec;13(4):613–32 (88 ref.)

[Dilated cardiomyopathy with deep, completely reversible dysfunction of the left heart in alcoholic patients. Report of 2 cases] Marette P, et al. **Arch Mal Coeur** 1990 Nov; 83(12):1843–7; discussion 1853 (10 ref.) (Eng. Abstr.) **(Fre)**

[Neuropathological effects of alcoholism] Janzer RC.
Rev Med Suisse Romande 1991 May;111(5):405–8 (25 ref.) **(Fre)**

[Cancer and alcohol: epidemiological relationship] Tuyns AJ. **Rev Med Suisse Romande** 1991 May;111(5):389–91 (12 ref.) **(Fre)**

[Alcohol embryopathy. Review and case example] Muntau AC, et al. **Fortschr Med** 1990 Aug 10;108(23):443–7 (30 ref.) (Eng. Abstr.) **(Ger)**

[Alcohol and insurance in the Netherlands] Schröder AE. **Versicherungsmedizin** 1991 Feb 1;43(1):27–9 (10 ref.) (Eng. Abstr.) **(Ger)**

[Early calcipenic osteopathy in the panoramic x-ray image of the maxillary and mandibular alveolar process of young adult alcoholics] Szántó D, et al. **Orv Hetil** 1990 Oct 21; 131(42):2313–6 (30 ref.) (Eng. Abstr.) **(Hun)**

[A case report of thrombosis in portal and splenic vein due to alcoholic pancreatitis] Michida T, et al.
Nippon Shokakibyo Gakkai Zasshi 1991 Jun;88(6):1388–92 (16 ref.) **(Jpn)**

[Neurologic manifestations of chronic alcoholism] Brzecki A, et al. **Postepy Hig Med Dosw** 1990;44(1–3):139–51 (57 ref.) (Eng. Abstr.) **(Pol)**

[Ethanol: current theories on its toxic effect with special reference to the effect on the central nervous system of adult mammals and during individual development] Felińska W, et al. **Postepy Hig Med Dosw** 1990; 44(1–3):113–37 (165 ref.) (Eng. Abstr.) **(Pol)**

[Biochemical aspects of alcoholism. IV. Alcohol-induced diseases of the liver] Szczepańska-Szewczyk M, et al.
Postepy Hig Med Dosw 1989;43(5–6):541–73 (103 ref.) (Eng. Abstr.) **(Pol)**

[The reversibility of brain atrophy in alcoholics in radiologic evaluations] Sidorowicz S. **Psychiatr Pol** 1990 Jan–Feb; 24(1):31–5 (28 ref.) **(Pol)**

[Multiple symmetrical lipomatosis and chronic alcoholism] Grau Martín A, et al. **An Med Interna** 1989 Dec;6(12):635–8 (16 ref.) (Eng. Abstr.) **(Spa)**

[Alcoholic dementia] Molina JA, et al. **Med Clin (Barc)** 1990 Nov 17;95(17):662–6 (122 ref.) **(Spa)**

DIAGNOSIS

The relative value of consultation, questionnaires and laboratory investigation in the identification of excessive alcohol consumption. Levine J. **Alcohol Alcohol** 1990; 25(5):539–53 (70 ref.)

Alcoholism in women. Gearhart JG, et al.
Am Fam Physician 1991 Sep;44(3):907–13 (32 ref.)

Alcoholism: the disease and the diagnosis [editorial; comment] Larson EW. **Am J Med** 1991 Aug;91(2):107–9 (14 ref.) Comment on: Am J Med 1991 Aug;91(2):110–8.

The Mortimer–Filkins test of problem drinking: a review of psychometric properties. Webb GR. **Br J Addict** 1990 Nov; 85(11):1491–4 (13 ref.)

Early identification of alcohol problems. Saunders JB, et al.
Can Med Assoc J 1990 Nov 15;143(10):1060–9 (73 ref.)

Aging and alcohol use disorders: diagnostic issues in the elderly. Atkinson RM. **Int Psychogeriatr** 1990 Spring; 2(1):55–72 (100 ref.)

Alcohol abuse and alcoholism in primary health care settings. Magruder-Habib K, et al. **J Fam Pract** 1991 Apr; 32(4):406–13 (70 ref.)

Alcoholism. Are you missing the diagnosis? Ziring DJ, et al. **Postgrad Med** 1991 Apr;89(5):139–41, 144–5 (16 ref.)

[Biological markers in the accurate diagnosis of chronic alcohol intoxication—the significance of metabolic disorders (I)] Boişteanu P, et al.
Rev Med Chir Soc Med Nat Iasi 1990 Apr–Jun;94(2):305–8 (13 ref.) (Eng. Abstr.) **(Rum)**

DRUG THERAPY

Disulfiram: a guide to clinical use in alcoholism treatment. McNichol RW, et al. **Am Fam Physician** 1991 Aug; 44(2):481–4 (10 ref.)

Pharmacotherapy of alcoholism: the American current status. Shen WW. **Keio J Med** 1991 Mar;40(1):9–12 (33 ref.)

[Prescription of lithium in alcoholic patients] Lejoyeux M, et al. **Presse Med** 1991 Jun 29;20(25):1176–80 (20 ref.) (Eng. Abstr.) **(Fre)**

[Central effect of calcium channel antagonists: new therapeutic possibilities in neurology and psychiatry?] Kostowski W, et al. **Psychiatr Pol** 1990 May–Jun; 24(3):209–16 (39 ref.) **(Pol)**

ENZYMOLOGY

[New aspects of the pharmacokinetics of ethanol] Papke J. **Z Gesamte Inn Med** 1990 Oct 15;45(20):616–20 (40 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

Alcohol and drug dependence among the elderly: epidemiology, diagnosis, and treatment. Miller NS, et al. **Compr Psychiatry** 1991 Mar–Apr;32(2):153–65 (26 ref.)

Alcohol and crimes of violence: present issues. Murdoch D, et al. **Int J Addict** 1990 Sep;25(9):1065–81 (60 ref.)

Alcohol and drug problems in Czechoslovakia. Nerad J, et al. **J Subst Abuse Treat** 1991;8(1–2):83–8 (26 ref.)

[Alcohol and health in Switzerland: epidemiological and legal aspects] Levi F, et al. **Rev Med Suisse Romande** 1991 May; 111(5):409–17 (36 ref.) **(Fre)**

[Alcohol and drug problems in the Third World] Mork T. **Tidsskr Nor Laegeforen** 1991 Jun 10;111(15):1855–7 (16 ref.) (Eng. Abstr.) **(Nor)**

[Comparative analysis of a population hospitalized for alcohol "dependence" and "abuse" with other similar alcoholic populations: a study of 1,300 patients] Conde López V, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1991 Mar–Apr;19(2):97–114 (83 ref.) (Eng. Abstr.) **(Spa)**

ETHNOLOGY

Ethnicity and alcohol/drug use revisited: a framework for future research. Cheung YW. **Int J Addict** 1990–91; 25(5A–6A):581–605 (100 ref.)

Uses and misuses of the concept of ethnicity in alcohol studies: an essay in deconstruction. Heath DB.
Int J Addict 1990–91;25(5A–6A):607–28 (45 ref.)

ETIOLOGY

Alcoholism, alcohol abuse, and health in American Indians and Alaska Natives. Silk-Walker P, et al.
Am Indian Alsk Native Ment Health Res 1988;1 MONO 1:65–83 discussion 84–93 (99 ref.)

Abuse liability of anabolic steroids and their possible role in the abuse of alcohol, morphine, and other substances. Cicero TJ, et al. **NIDA Res Monogr** 1990;102:1–28 (110 ref.)

[The role of acetaldehyde in the mechanisms of the action of ethanol] Bozhko GKh. **Usp Fiziol Nauk** 1990 Jul–Sep; 21(3):98–116 (152 ref.) **(Rus)**

GENETICS

The heredity of human alcohol abuse: myths and facts. Rothhammer F. **Arch Biol Med Exp (Santiago)** 1989 Dec; 22(4):355–9 (42 ref.)

Rehabilitating a genetic perspective in the study of tobacco and alcohol use. Kozlowski LT. **Br J Addict** 1991 May;

86(5):517–20 (22 ref.)
Genetic studies of alcoholism. Anthenelli RM, et al. **Int J Addict** 1990–91;25(1A):81–94 (62 ref.)
Genetic influences on tobacco use: a review of human and animal studies. Collins AC. **Int J Addict** 1990–91; 25(1A):35–55 (70 ref.)
Inherited predisposition to alcoholism: characteristics of sons of male alcoholics. Pihl RO, et al. **J Abnorm Psychol** 1990 Aug;99(3):291–301 (215 ref.)
Animal models for the study of alcoholism: utility of selected lines. Froehlich JC, et al. **J Addict Dis** 1991;10(1–2):61–71 (40 ref.)
Alcohol challenge with sons of alcoholics: a critical review and analysis. Newlin DB, et al. **Psychol Bull** 1990 Nov; 108(3):383–402 (95 ref.)
The genetics of alcoholism. Goodwin DW. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:219–26 (29 ref.)
[Genetic bases of alcoholism: an overview] Monteiro MG. **AMB Rev Assoc Med Bras** 1990 Apr–Jun;36(2):78–82 (64 ref.) (Eng. Abstr.) **(Por)**

IMMUNOLOGY

[Effect of alcohol on the functional state of the immune system] Aliev NA. **Sov Med** 1991;(2):41–4 (52 ref.) **(Rus)**

METABOLISM

Neuropharmacological and clinical aspects of alcohol withdrawal. Nutt DJ, et al. **Ann Med** 1990;22(4):275–81 (106 ref.)
Serotonin in early onset, male alcoholics with violent behaviour. Virkkunen M, et al. **Ann Med** 1990;22(5):327–31 (55 ref.)

PHYSIOPATHOLOGY

Neuroadaptive responses to chronic ethanol. Buck KJ, et al. **Alcohol Clin Exp Res** 1991 Jun;15(3):460–70 (186 ref.)
The role of adenosine and adenosine transport in ethanol–induced cellular tolerance and dependence. Possible biologic and genetic markers of alcoholism. Diamond I, et al. **Ann N Y Acad Sci** 1991;625:473–87 (31 ref.)
Alcohol and the brain [see comments] Lishman WA. **Br J Psychiatry** 1990 May;156:635–44 (75 ref.) Comment in: Br J Psychiatry 1990 Sep;157:454–5.
Event–related potentials in populations at risk for alcoholism. Begleiter H, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:177–82 (42 ref.)
Neurosciences research. Finding the key to alcohol abuse and alcoholism. Gordis E. **Neuropsychopharmacology** 1990 Oct–Dec;3(5–6):311–4 (0 ref.)
Residual effects of alcohol. Nathan PE. **NIDA Res Monogr** 1990;101:112–23 (50 ref.)

PREVENTION & CONTROL

Preventive strategies in education: history, current practices, and future trends regarding substance abuse and pregnancy prevention. Sowers JG. **Bull N Y Acad Med** 1991 May–Jun; 67(3):256–69 (4 ref.)
Brief intervention strategies for harmful drinkers: new directions for medical education. Babor TF. **Can Med Assoc J** 1990 Nov 15;143(10):1070–6 (31 ref.)
Medical education for alcohol and other drug abuse in the United States. Lewis DC. **Can Med Assoc J** 1990 Nov 15; 143(10):1091–6 (22 ref.)
The anthropologist as alcohologist: qualitative perspectives and methods in alcohol research. Gilbert MJ. **Int J Addict** 1990–91;25(2A):127–47; discussion 147–8 (93 ref.)
Alcohol prevention in New Zealand: working towards a national alcohol policy. Laurs MR. **Int J Addict** 1990–91; 25(4A):513–32 (46 ref.)
Computer–assisted strategies for substance abuse prevention: opportunities and barriers. Orlandi MA, et al. **J Consult Clin Psychol** 1990 Aug;58(4):425–31 (43 ref.)
Preventing drug use in adolescents through media interventions. Schilling RF, et al. **J Consult Clin Psychol** 1990 Aug;58(4):416–24 (63 ref.)
Screening for psychiatric and substance abuse disorders in clinical practice. Ford DE, et al. **J Gen Intern Med** 1990 Sep–Oct;5(5 Suppl):S37–41 (30 ref.)
Preventing substance abuse as an integral part of worksite health promotion. Cook RF, et al. **Occup Med** 1990 Oct–Dec;5(4):725–38 (33 ref.)

PSYCHOLOGY

Stress and alcohol interaction: an update of human research. Pohorecky LA. **Alcohol Clin Exp Res** 1991 Jun; 15(3):438–59 (234 ref.)
American Indians, stress, and alcohol. Mail PD. **Am Indian Alsk Native Ment Health Res** 1989;3(2):7–26 (70 ref.)
Chemical dependency in women: important issues. Blume SB. **Am J Drug Alcohol Abuse** 1990;16(3–4):297–307 (52 ref.)
Alcohol myopia. Its prized and dangerous effects. Steele CM, et al. **Am Psychol** 1990 Aug;45(8):921–33 (60 ref.)
Hispanic drinking in the US: thinking in new directions [editorial] Caetano R. **Br J Addict** 1990 Oct;85(10):1231–6 (37 ref.)
Drinking, the construction of ethnic identity and social process in a Western Australian youth subculture. Moore D. **Br J Addict** 1990 Oct;85(10):1265–78 (55 ref.)
Alcohol problems and the city. Room R. **Br J Addict** 1990 Nov;85(11):1395–402 (31 ref.)
The other alcohols. Methanol, ethylene glycol, and isopropanol. Burkhart KK, et al. **Emerg Med Clin North Am** 1990 Nov;8(4):913–28 (132 ref.)
The relationship between child and adult psychopathology in children of alcoholics. Giglio JJ, et al. **Int J Addict** 1990 Mar;25(3):263–90 (74 ref.)
Disabilities, developmental handicaps, and substance misuse: a review. Moore D, et al. **Int J Addict** 1991 Jan;26(1):65–90 (90 ref.)
Annotation: children of alcoholics. von Knorring AL. **J Child Psychol Psychiatry** 1991 Mar;32(3):411–21 (60 ref.)
Women, alcohol and incest: an analytical review. Hurley DL. **J Stud Alcohol** 1991 May;52(3):253–68 (100 ref.)
Alcohol use and abuse secondary to anxiety. Wesner RB. **Psychiatr Clin North Am** 1990 Dec;13(4):699–713 (39 ref.)
A critical analysis of the co–dependence construct. Haaken J. **Psychiatry** 1990 Nov;53(4):396–406 (34 ref.)
Alcoholism and memory: broadening the scope of alcohol–expectancy research [see comments] Goldman MS, et al. **Psychol Bull** 1991 Jul;110(1):137–46 (90 ref.) Comment in: Psychol Bull 1991 Jul;110(1):147–54.
On the scope of alcohol expectancy research: remaining issues of measurement and meaning [comment] Leigh BC, et al. **Psychol Bull** 1991 Jul;110(1):147–54 (60 ref.) Comment on: Psychol Bull 1991 Jul;110(1):137–46.
[Psychodynamic and psychosocial considerations on alcoholism] Rossati A. **Minerva Psichiatr** 1991 Jan–Mar; 32(1):41–3 (9 ref.) (Eng. Abstr.) **(Ita)**

REHABILITATION

What is presented, and what prevented, in cue exposure and response prevention with alcohol dependent subjects? Laberg JC. **Addict Behav** 1990;15(4):367–86 (82 ref.)
Cue exposure and relapse prevention in the treatment of addictive behaviors. Marlatt GA. **Addict Behav** 1990; 15(4):395–9 (10 ref.)
Postgraduate medical fellowship training in alcoholism and drug abuse: national consensus standards. Galanter M, et al. **Am J Drug Alcohol Abuse** 1991;17(1):1–12 (7 ref.)
The motivation for change from problem alcohol and heroin use. Klingemann HK. **Br J Addict** 1991 Jun;86(6):727–44 (62 ref.)
Chlormethiazole: current status in the treatment of the acute ethanol withdrawal syndrome. Majumdar SK. **Drug Alcohol Depend** 1991 May;27(3):201–7 (46 ref.)
Chemical aversion treatment of alcohol dependence. II. Future research directions for the '90s. Howard MO, et al. **Int J Addict** 1990 Dec;25(12):1403–14 (55 ref.)
Chemical aversion treatment of alcohol dependence. I. Validity of current criticisms. Howard MO, et al. **Int J Addict** 1990 Oct;25(10):1227–62 (80 ref.)
Cue–exposure interventions for alcohol relapse prevention: need for a memory modification component. Sussman S, et al. **Int J Addict** 1990 Aug;25(8):921–9 (28 ref.)
Treatment needs of alcohol–dependent women. Nespor K. **Int J Psychosom** 1990;37(1–4):50–2 (9 ref.)
Controlled drinking, treatment effectiveness, and the disease model of addiction: a commentary on the ideological 'wishes of Stanton Peele. Wallace J. **J Psychoactive Drugs** 1990 Jul–Sep;22(3):261–84 (85 ref.)
Altered states of consciousness therapy. A missing component in alcohol and drug rehabilitation treatment. McPeake JD, et al. **J Subst Abuse Treat** 1991;8(1–2):75–82 (21 ref.)
[Alcoholism: definition, diagnosis, illness concept, follow–up, results and costs of treatment] Feuerlein W. **Versicherungsmedizin** 1991 Feb 1;43(1):21–7 (34 ref.) (Eng. Abstr.) **(Ger)**

ALCOHOLS

METABOLISM

Genetics of human alcohol–metabolizing enzymes. Yoshida A, et al. **Prog Nucleic Acid Res Mol Biol** 1991;40:255–87 (156 ref.)
Reaction of thiyl radicals with alcohols, ethers and polyunsaturated fatty acids: a possible role of thiyl free radicals in thiol mutagenesis? Schöneich C, et al. **Radiat Environ Biophys** 1990;29(4):263–71 (40 ref.)

PHARMACOKINETICS

[Alkoxyl lipids––relics of the organic world: their formation, biotransformation and evolution] Dembitskiĭ VM. **Biol Nauki** 1991;(2):5–25 (101 ref.) (Eng. Abstr.) **(Rus)**

PHARMACOLOGY

Mammalian genetics in the study of alcohol and anesthetic actions. Harris RA. **Ann N Y Acad Sci** 1991;625:508–14 (36 ref.)
Effects of alcohols on ion channels of cultured neurons. Narahashi T, et al. **Ann N Y Acad Sci** 1991;625:26–36 (65 ref.)
Denis Haydon F.R.S., cell excitability and spirits of port. A commentary on the interaction of homologous series of alkanols with sodium channels. Requena J. **Ann N Y Acad Sci** 1991;625:318–26 (21 ref.)
Alcohol and anesthetic actions on excitatory amino acid–activated ion channels. Weight FF, et al. **Ann N Y Acad Sci** 1991;625:97–107 (40 ref.)

ALCOHOLS, HEXYL

METABOLISM

[Transport of six–atom alcohols by enterobacteria] Bol'shakova TN, et al. **Mol Gen Mikrobiol Virusol** 1991 Jan;(1):10–6 (57 ref.) (Eng. Abstr.) **(Rus)**

ALCOHOLS, SUGAR see **SUGAR ALCOHOLS**

ALDEHYDE DEHYDROGENASE

GENETICS

Aldehyde dehydrogenases: what can be learned from a baker's dozen sequences? Lindahl R, et al. **Adv Exp Med Biol** 1991;284:1–8 (32 ref.)
Genetics of human alcohol–metabolizing enzymes. Yoshida A, et al. **Prog Nucleic Acid Res Mol Biol** 1991;40:255–87 (156 ref.)

ALDEHYDE–LYASES

DEFICIENCY

17 alpha–hydroxylase/17,20–lyase deficiency: from clinical investigation to molecular definition. Yanase T, et al. **Endocr Rev** 1991 Feb;12(1):91–108 (189 ref.)

ALDEHYDE OXIDOREDUCTASES

METABOLISM

Formyl–methanofuran synthesis in Methanobacterium thermoautotrophicum. Bobik TA, et al. **FEMS Microbiol Rev** 1990 Dec;7(3–4):323–6 (18 ref.)

ALDEHYDES

ANALYSIS

[The determination of aldehydes in biological media (review)] Dmitriev MT, et al. **Gig Sanit** 1990 Sep;(9):83–5 (51 ref.) **(Rus)**

METABOLISM

A paradigm for aldehyde oxidation: histidinol dehydrogenase. Grubmeyer C. **Adv Exp Med Biol** 1991; 284:105–12 (33 ref.)

TOXICITY

Aldehydes: occurrence, carcinogenic potential, mechanism of action and risk assessment. Feron VJ, et al. **Mutat Res** 1991 Mar–Apr;259(3–4):363–85 (179 ref.)

ALDOLASE see **FRUCTOSEDIPHOSPHATE ALDOLASE**

ALDOSE REDUCTASE

ADVERSE EFFECTS

Aldose reductase inhibitors. Kirchain WR, et al. **Pharmacotherapy** 1990;10(5):326–36 (139 ref.)

ANTAGONISTS & INHIBITORS

Aldose reductase inhibitors and cataract. Crabbe MJ. **Int Ophthalmol** 1991 Jan;15(1):25–36 (68 ref.)
Treatment of diabetic neuropathy with inhibitors of the aldose reductase enzyme. Green AJ, et al. **J Diabetic Complications** 1990 Oct–Dec;4(4):138–44 (47 ref.)
Aldose reductase inhibitors. Kirchain WR, et al. **Pharmacotherapy** 1990;10(5):326–36 (139 ref.)

METABOLISM

Aldose reductase in the etiology of diabetic complications: 4. Retinopathy. Stribling D, et al. **J Diabetic Complications** 1990 Jul–Sep;4(3):102–7 (74 ref.)

ALDOSTERONE

BIOSYNTHESIS

Regulation of aldosterone biosynthesis: a continual challenge. Müller J, et al. **Am J Hypertens** 1991 Mar;4(3 Pt 1):280–2 (14 ref.)
Plasma levels of aldosterone precursors (including the 18–hydroxylated compounds in this synthesis pathway)––a tool for the analysis of adrenal disorders? Aupetit–Faisant B. **Horm Res** 1990;34(3–4):142–50 (30 ref.)

BLOOD

Determination of plasma catecholamine and vasoactive peptide concentrations: clinical usefulness. Waeber B, et al. **Int J Rad Appl Instrum [B]** 1990;17(7):667–72 (25 ref.)

Salt appetite, body sodium, handling of a NaCl load, renin, and aldosterone in genetically and spontaneously hypertensive rats. Ledingham JM, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S6–8 (10 ref.)

PHARMACOLOGY

Aldosterone as a factor regulating extracellular fluid volume. Crabbé J. **Acta Clin Belg** 1991;46(1):18–27 (44 ref.)
Aldosterone-regulated ion transporters in the kidney. Oberleithner H. **Klin Wochenschr** 1990 Nov 16; 68(22):1087–90 (23 ref.)

PHYSIOLOGY

Extrarenal receptor–effector–mechanisms for aldosterone: the sequence of effects on the cellular electrolyte transport in human lymphocytes and their implications for disorders of the water and electrolyte balances. Wehling M, et al. **Acta Endocrinol (Copenh)** 1990 Oct;123(4):385–94 (59 ref.)
Antibodies to receptors by an auto–anti–idiotypic strategy. Erlanger BF. **Biochem Soc Trans** 1991 Feb;19(1):138–43 (30 ref.)
Pathological hypertrophy and cardiac interstitium. Fibrosis and renin–angiotensin–aldosterone system. Weber KT, et al. **Circulation** 1991 Jun;83(6):1849–65 (109 ref.)
[The renin–angiotensin–aldosterone (RAA) system in endocrine diseases] Zdrojewicz Z. **Wiad Lek** 1990 Jul 1; 43(13):679–84 (36 ref.) (Eng. Abstr.) **(Pol)**

SECRETION

Dysregulation of aldosterone secretion and its relationship to the pathogenesis of essential hypertension. Williams GH, et al. **Endocrinol Metab Clin North Am** 1991 Jun; 20(2):423–47 (71 ref.)
[The characteristics of the regulation of aldosterone secretion (a review of the literature)] Tron'ko MD, et al. **Vrach Delo** 1991 Feb;(2):11–6 (55 ref.) **(Ukr)**

ALDOSTERONISM see **HYPERALDOSTERONISM**

ALDRICH SYNDROME see **WISKOTT–ALDRICH SYNDROME**

ALDRIN

TOXICITY

Long–term health effects of aldrin and dieldrin. A study of exposure, health effects and mortality of workers engaged in the manufacture and formulation of the insecticides aldrin and dieldrin. de Jong G. **Toxicol Lett** 1991 Apr; Suppl:1–206 (209 ref.)

ALEUTIAN MINK DISEASE

see related
CHEDIAK–HIGASHI SYNDROME

ALEXIA see **DYSLEXIA, ACQUIRED**

ALEXITHYMIA see **AFFECTIVE SYMPTOMS**

ALGAE

Algal biotechnology. Cannell RJ. **Appl Biochem Biotechnol** 1990 Oct;26(1):85–105 (111 ref.)
Viruses in fungi and eukaryotic algae: their possible origins and evolution. Ushiyama R. **Microbiol Sci** 1985 Jun; 2(6):181–4 (35 ref.)

ANALYSIS

Marine natural products. Faulkner DJ. **Nat Prod Rep** 1990 Aug;7(4):269–309 (365 ref.)

CYTOLOGY

To shape a cell: an inquiry into the causes of morphogenesis of microorganisms. Harold FM. **Microbiol Rev** 1990 Dec; 54(4):381–431 (305 ref.)

DRUG EFFECTS

Chronic toxicities of surfactants and detergent builders to algae: a review and risk assessment. Lewis MA. **Ecotoxicol Environ Safety** 1990 Oct;20(2):123–40 (94 ref.)

METABOLISM

Micro–algae as sources of fine chemicals. Borowitzka MA. **Microbiol Sci** 1986 Dec;3(12):372–5 (28 ref.)

PHYSIOLOGY

Photosynthetic phagotrophy of Chrysophyce .e: evolutionary aspects. Ishida Y, et al. **Microbiol Sci** 19F J May;3(5):132–5 (16 ref.)

ULTRASTRUCTURE

Scale formation in algae. Melkonian M, et al. **J Electron Microsc Tech** 1991 Feb;17(2):165–78 (64 ref.)

ALGAE, BLUE–GREEN

Diagnostic and clinically important aspects of cyanobacterial (blue–green algae) toxicoses. Beasley VR, et al. **J Vet Diagn Invest** 1989 Oct;1(4):359–65 (43 ref.)
Toxins of freshwater cyanobacteria. Codd GA. **Microbiol Sci** 1984 May;1(2):48–52 (40 ref.)

GENETICS

[Genome structure, molecular genetics and genetic engineering of cyanobacteria] Yanagisawa S, et al. **Tanpakushitsu Kakusan Koso** 1991 Jul;36(9):1621–7 (24 ref.) **(Jpn)**

METABOLISM

A guide to electron paramagnetic resonance spectroscopy of Photosystem II membranes. Miller AF, et al. **Biochim Biophys Acta** 1991 Jan 3;1056(1):1–18 (150 ref.)
[Energy yielding metabolism of cyanophytes] Fujita Y. **Tanpakushitsu Kakusan Koso** 1991 Jul;36(9):1584–90 (30 ref.) **(Jpn)**
[Molecular organization of cyanobacterial photosystems] Ikeuchi M. **Tanpakushitsu Kakusan Koso** 1991 Jul; 36(9):1591–6 (34 ref.) **(Jpn)**
[Nitrogen fixation in cyanophyta] Ohki K. **Tanpakushitsu Kakusan Koso** 1991 Jul;36(9):1597–603 (19 ref.) **(Jpn)**
[Transport systems in cyanobacteria] Omata T, et al. **Tanpakushitsu Kakusan Koso** 1991 Jul;36(9):1611–5 (36 ref.) **(Jpn)**
[Osmoregulation in cyanobacteria] Takabe T. **Tanpakushitsu Kakusan Koso** 1991 Jul;36(9):1616–20 (20 ref.) **(Jpn)**

PHYSIOLOGY

[The cyanobacterial membrane architecture in relation to the low–temperature tolerance] Wada H, et al. **Tanpakushitsu Kakusan Koso** 1991 Jul;36(9):1604–10 (33 ref.) **(Jpn)**

ALGINATES

METABOLISM

Alginate synthesis by Pseudomonas aeruginosa: a key pathogenic factor in chronic pulmonary infections of cystic fibrosis patients. May TB, et al. **Clin Microbiol Rev** 1991 Apr;4(2):191–206 (172 ref.)
Alginate production by the mucoid Pseudomonas aeruginosa associated with cystic fibrosis. Gill JF, et al. **Microbiol Sci** 1987 Oct;4(10):296–9 (36 ref.)

ALGODYSTROPHIC SYNDROME see **REFLEX SYMPATHETIC DYSTROPHY**

ALGOR MORTIS see **POSTMORTEM CHANGES**

ALGORITHMS

Use of an algorithm to evaluate published reports of adverse drug reactions. Case B, et al. **Am J Hosp Pharm** 1991 Jan; 48(1):121–2 (13 ref.)
The protein structure code: what is its present status? Garnier J, et al. **Comput Appl Biosci** 1991 Apr;7(2):133–42 (67 ref.)
Clinical algorithm for initial fluid resuscitation in disasters. Shoemaker WC, et al. **Crit Care Clin** 1991 Apr;7(2):363–81 (28 ref.)
Reassessment of benefit–risk ratio and treatment algorithms for antiarrhythmic drug therapy after the cardiac arrhythmia suppression trial. Anderson JL. **J Clin Pharmacol** 1990 Nov;30(11):981–9 (47 ref.)
Biosensor applications to antitachycardia devices. Cohen TJ, et al. **PACE** 1991 Feb;14(2 Pt 2):322–8 (25 ref.)
Surgical treatment of sigmoid diverticulitis. Church JM. **Schweiz Med Wochenschr** 1991 May 18;121(20):744–8 (10 ref.)
[Acute peritonitis. Etiopathogenic and therapeutic considerations] Quintana E, et al. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:12–5 (36 ref.) **(Spa)**
[Diagnosis and treatment of severe respiratory infections] Torres A, et al. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:1–7 (36 ref.) **(Spa)**

ALKALIES

ADVERSE EFFECTS

Chemical burns of the eye with special reference to alkali burns. Rozenbaum D, et al. **Burns** 1991 Apr;17(2):136–40 (12 ref.)

THERAPEUTIC USE

[Three decades of alkalizing treatment of urolithiasis] Cifuentes Delatte L. **An R Acad Nac Med (Madr)** 1990; 107(2):353–63 (14 ref.) **(Spa)**

ALKALINE PHOSPHATASE

BLOOD

Alkaline phosphatase. A marker in prostatic cancer? Høisaeter PA. **Acta Oncol** 1991;30(2):171–2 (6 ref.)
Serum alkaline phosphatase isoenzymes as markers of liver disease. Narayanan S. **Ann Clin Lab Sci** 1991 Jan–Feb; 21(1):12–8 (25 ref.)
Bone protein and peptide assays in the diagnosis and management of skeletal disease. Deftos LJ. **Clin Chem** 1991 Jul;37(7):1143–8 (66 ref.)
Benign inherited hyperphosphatasemia of intestinal origin: report of two cases and a brief review of the literature. Panteghini M. **Clin Chem** 1991 Aug;37(8):1449–52 (25 ref.)
[Diagnostic value of alkaline phosphatase isoenzymes] Nemesánszky E, et al. **Orv Hetil** 1991 Aug 11; 132(32):1739–44, 1747 (55 ref.) (Eng. Abstr.) **(Hun)**

DEFICIENCY

Hypophosphatasia in an adult: a case report. Nangaku M, et al. **Jpn J Med** 1991 Jan–Feb;30(1):47–52 (32 ref.)

METABOLISM

Pre–translational, translational, and post–translational mechanisms in adaptation of intestinal proteins. Alpers DH. **Digestion** 1990;46 Suppl 2:50–8 (39 ref.)

PHYSIOLOGY

The possible role of alkaline phosphatase in acellular cementum formation. Beertsen W, et al. **J Biol Buccale** 1990 Sep;18(3):203–5 (10 ref.)

ALKALOIDS

CHEMISTRY

Beta–phenylethylamines and the isoquinoline alkaloids. Bentley KW. **Nat Prod Rep** 1990 Jun;7(3):245–68 (487 ref.)
Indolizidine and quinolizidine alkaloids. Michael JP. **Nat Prod Rep** 1990 Dec;7(6):485–513 (190 ref.)
Recent progress in the chemistry of indole alkaloids and mould metabolites. Saxton JE. **Nat Prod Rep** 1990 Jun; 7(3):191–243 (244 ref.)

ISOLATION & PURIFICATION

Erythrina and related alkaloids. Chawla AS, et al. **Nat Prod Rep** 1990 Dec;7(6):565–75 (36 ref.)
Amaryllidaceae alkaloids. Lewis JR. **Nat Prod Rep** 1990 Dec; 7(6):549–56 (32 ref.)
[Chemical constituents and biological activity of plants of the Taxus genus] Chen WM. **Yao Hsueh Hsueh Pao** 1990; 25(3):227–40 (68 ref.) **(Chi)**

PHARMACOLOGY

Plant alkaloids. Chabner BA, et al. **Cancer Chemother Biol Response Modif** 1990;11:74–81 (45 ref.)
The pharmacology of psychoactive alkaloids from ephedra and catha. Kalix P. **J Ethnopharmacol** 1991 Apr; 32(1–3):201–8 (55 ref.)
Staurosporine: a prototype of a novel class of inhibitors of tumor cell invasion? [editorial] O'Brian CA, et al. **J Natl Cancer Inst** 1990 Nov 21;82(22):1734–5 (14 ref.)
Receptor classification using antagonists without determining pA2 values. Kromer W. **Trends Pharmacol Sci** 1991 Jan; 12(1):11–3 (11 ref.)

POISONING

Conium, Lupinus, and Nicotiana alkaloids: fetal effects and the potential for residues in milk. Panter KE, et al. **Vet Hum Toxicol** 1990;32 Suppl:89–93; discussion 93–4 (51 ref.)

THERAPEUTIC USE

Sanguinaria toothpaste and oral rinse regimen clinical efficacy in short– and long–term trials. Kuftinec MM, et al. **J Can Dent Assoc** 1990;56(7 Suppl):31–3 (37 ref.)
New perspectives on Sanguinaria clinicals: individual toothpaste and oral rinse testing. Laster LL, et al. **J Can Dent Assoc** 1990;56(7 Suppl):19–30 (24 ref.)
Effects of sanguinarine and Sanguinaria extract on the microbiota associated with the oral cavity. Walker C. **J Can Dent Assoc** 1990;56(7 Suppl):13–30 (24 ref.)
New natural products in cancer chemotherapy. Slichenmyer WJ, et al. **J Clin Pharmacol** 1990 Sep;30(9):770–88 (173 ref.)

TOXICITY

Safety of Sanguinaria extract as used in commercial toothpaste and oral rinse products. Frankos VH, et al. **J Can Dent Assoc** 1990;56(7 Suppl):41–7 (73 ref.)

ALKALOSIS

ETIOLOGY

[Water–electrolyte and acid–base disorders. VII. Metabolic alkalosis] Velásquez–Jones L. **Bol Med Hosp Infant Mex** 1990 Jun;47(6):405–12 (52 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

[Management of metabolic alkalosis in the surgical patient] Pham Hung G, et al. **Ann Fr Anesth Reanim** 1991; 10(2):191–9; discussion 210–1 (62 ref.) **(Fre)**

ALKALOSIS, RESPIRATORY

ETIOLOGY

[Water-electrolyte and acid-base imbalance. IX. Respiratory alkalosis] Velásquez-Jones L. **Bol Med Hosp Infant Mex** 1990 Sep;47(9):669-72 (20 ref.) (Eng. Abstr.) **(Spa)**

ALKENES

TOXICITY

A mechanism of haloalkene-induced renal carcinogenesis. Dekant W, et al. **Environ Health Perspect** 1990 Aug; 88:107-10 (20 ref.)

ALKYLATING AGENTS

see related
ANTINEOPLASTIC AGENTS
CARCINOGENS
NITROGEN MUSTARD COMPOUNDS

ADMINISTRATION & DOSAGE

Dose intensification using combination alkylating agents and autologous bone marrow support in the treatment of primary and metastatic breast cancer: a review of the Duke Bone Marrow Transplantation Program experience. Peters WP. **Prog Clin Biol Res** 1990;354B:185-94 (22 ref.)

METABOLISM

Biomonitoring of human exposure to alkylating agents by measurement of adducts to haemoglobin or DNA. Farmer PB, et al. **IARC Sci Publ** 1991;(105):71-7 (26 ref.)

PHARMACOLOGY

Alkylating agents. Connors TA. **Cancer Chemother Biol Response Modif** 1990;11:29-44 (111 ref.)
Glutathione S-transferases: role in alkylating agent resistance and possible target for modulation chemotherapy--a review. Waxman DJ. **Cancer Res** 1990 Oct 15; 50(20):6449-54 (78 ref.)
Alkylating and platinum-based agents. Eastman A. **Curr Opin Oncol** 1990 Dec;2(6):1109-14 (26 ref.)
Alkylating agents. Lind MJ, et al. **Curr Opin Oncol** 1989 Dec;1(2):192-7 (17 ref.)
Sequence-dependent formation of alkyl DNA adducts: a review of methods, results, and biological correlates. Richardson FC, et al. **Mutat Res** 1990 Nov-Dec; 233(1-2):127-38 (59 ref.)
Resistance to alkylating agents and cisplatin: insights from ovarian carcinoma model systems. Perez RP, et al. **Pharmacol Ther** 1990;48(1):19-27 (100 ref.)

THERAPEUTIC USE

Alkylating agents and purine analogues in primary glomerulonephritis with nephrotic syndrome. Ponticelli C, et al. **Nephrol Dial Transplant** 1991;6(6):381-8 (68 ref.)
A perspective on dose-intensive therapy with autologous bone marrow transplantation for solid tumors. Ayash LJ, et al. **Oncology (Williston Park)** 1991 Mar;5(3):25-33; discussion 33, 36, 41 (47 ref.)
The therapy of idiopathic membranous glomerulonephritis. Glassock RJ. **Semin Nephrol** 1991 Mar;11(2):138-47 (56 ref.)

TOXICITY

Alkylation repair in human tissues. Montesano R, et al. **Basic Life Sci** 1990;53:437-52 (75 ref.)
Repair of O4-alkylthymine damage in human cells. Wani AA, et al. **Basic Life Sci** 1990;53:417-35 (84 ref.)
Trichlormethine (trimustine hydrochloride). **IARC Monogr Eval Carcinog Risks Hum** 1990;50:143-9 (26 ref.)

ALL, ADULT see **LEUKEMIA, LYMPHOCYTIC, ACUTE, L2**

ALL, CHILDHOOD see **LEUKEMIA, LYMPHOCYTIC, ACUTE, L1**

ALLELES

Frequencies of common beta-thalassaemia alleles among different populations: variability in clinical severity. Huisman TH. **Br J Haematol** 1990 Aug;75(4):454-7 (30 ref.)
The phenylketonuria locus: current knowledge about alleles and mutations of the phenylalanine hydroxylase gene in various populations. Konecki DS, et al. **Hum Genet** 1991 Aug;87(4):377-88 (94 ref.)
Allelic variations of human TCR V gene products. Posnett DN. **Immunol Today** 1990 Oct;11(10):368-73 (85 ref.)
Allele losses and onco-suppressor genes. Dunlop MG. **J Pathol** 1991 Jan;163(1):1-5 (10 ref.)
Formal genetics in humans: mendelian and nonmendelian inheritance. Pyeritz RE. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:47-73 (53 ref.)

ALLERGEN BRONCHIAL PROVOCATION TESTS see **BRONCHIAL PROVOCATION TESTS**

ALLERGENS

see related
BITES AND STINGS
DUST
FUNGI

Allergens: standardization and impact of biotechnology--a review. Lehrer SB, et al. **Allergy Proc** 1990 Sep-Oct; 11(5):197-208 (20 ref.)
Hypersensitivity pneumonitis. Sharma OP. **Dis Mon** 1991 Jul; 37(7):409-71 (269 ref.)
House dust mite (Dermatophagoides spp.) allergens: research directions and priorities in the 1990s. Baldo BA, et al. **Monogr Allergy** 1990;28:138-58 (69 ref.)
Insect venom allergens. King TP. **Monogr Allergy** 1990; 28:84-100 (59 ref.)
IgG subclass-restricted immune responses to allergens. Lucas AH. **Springer Semin Immunopathol** 1990;12(4):385-400 (82 ref.)

ADMINISTRATION & DOSAGE

[General considerations on desensitization by the sublingual route] Le Sellin J, et al. **Allerg Immunol (Paris)** 1991 Mar; 23(3):104-7 (3 ref.) (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Treatment of patients allergic to house dust mites. Haugaard L, et al. **Allergy** 1991;46 Suppl 11:26-32 (41 ref.)
Diagnosis of house dust mite allergy. Heinig JH, et al. **Allergy** 1991;46 Suppl 11:19-22 (23 ref.)
Diagnostic procedures--exposure and environment. Mosbech H, et al. **Allergy** 1991;46 Suppl 11:23-5 (10 ref.)
[Prevention of atopic hypersensitivity. Principles and status of current knowledge. A review for the obstetrician] Rebmann H. **Geburtshilfe Frauenheilkd** 1991 Feb;51(2):85-9 (41 ref.) (Eng. Abstr.) **(Ger)**

CHEMISTRY

The structural requirements of epitopes with IgE binding capacity demonstrated by three major allergens from fish, egg and tree pollen. Elsayed S, et al. **Scand J Clin Lab Invest Suppl** 1991;204:17-31 (65 ref.)

GENETICS

Recombinant DNA approaches to the study of allergens and allergenic determinants. Donovan GR, et al. **Monogr Allergy** 1990;28:52-83 (64 ref.)

IMMUNOLOGY

Epidemiology of house dust mite allergy. Korsgaard J, et al. **Allergy** 1991;46 Suppl 11:14-8 (36 ref.)
The antigenicity of house dust mites. Schou C, et al. **Allergy** 1991;46 Suppl 11:10-3 (22 ref.)
Allergens and asthma. Platts-Mills TA. **Allergy Proc** 1990 Nov-Dec;11(6):269-71 (25 ref.)
House-dust-mite allergens: a review. Arlian LG. **Exp Appl Acarol** 1991 Feb;10(3-4):167-86 (106 ref.)
Allergen avoidance in childhood asthma. Warner JA, et al. **Respir Med** 1991 Mar;85(2):101-5 (40 ref.)
[The significance of desensitization therapy] Pelikan Z. **Ned Tijdschr Geneeskd** 1990 Dec 29;134(52):2518-20 (14 ref.) **(Dut)**
[Ecology and allergology] Ado AD. **Klin Med (Mosk)** 1990 Sep;68(9):3-6 (14 ref.) **(Rus)**
[Prevalence of sensitivity to contact allergens among atopic and non atopic children without dermatitis] Sanz Ortega J, et al. **An Esp Pediatr** 1990 Oct;33(4):339-42 (22 ref.) (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

New and improved vaccines for the 1990s. Lowenstein H. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:227-31 (8 ref.)

PHARMACOLOGY

Pharmacologic modulation of allergic cutaneous inflammation. De Vos C. **Ann Allergy** 1990 Dec; 65(6):509-11 (21 ref.)
[Significance of food allergens for the development of hyperreactive airway diseases] Mileder P. **Wien Med Wochenschr** 1990 Aug 31;140(16):428-31 (22 ref.) (Eng. Abstr.) **(Ger)**

STANDARDS

Standardization of allergenic extracts. Yunginger JW. **Ann Allergy** 1991 Feb;66(2):107-11 (27 ref.)
[Current criteria for the standardization of allergens] Fradkin VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Sep; (9):108-12 (8 ref.) **(Rus)**

ALLERGIC ALVEOLITIS, EXTRINSIC see **ALVEOLITIS, EXTRINSIC ALLERGIC**

ALLERGIC ANGIITIS see **CHURG-STRAUSS SYNDROME**

ALLERGIC BRONCHOPULMONARY ASPERGILLOSIS see **ASPERGILLOSIS, ALLERGIC BRONCHOPULMONARY**

ALLERGIC CONJUNCTIVITIS see **CONJUNCTIVITIS, ALLERGIC**

ALLERGIC CUTANEOUS ANGIITIS see **VASCULITIS, ALLERGIC CUTANEOUS**

ALLERGIC CUTANEOUS VASCULITIS see **VASCULITIS, ALLERGIC CUTANEOUS**

ALLERGIC GRANULOMATOUS ANGIITIS see **CHURG-STRAUSS SYNDROME**

ALLERGIC PURPURA see **PURPURA, SCHOENLEIN-HENOCH**

ALLERGY see **HYPERSENSITIVITY**

ALLERGY (SPECIALTY) see **ALLERGY AND IMMUNOLOGY**

ALLERGY AND IMMUNOLOGY

Allergy and immunology. Bukantz SC, et al. **JAMA** 1991 Jun 19;265(23):3101-3 (19 ref.)

HISTORY

Ocular immunology: on the birth of a new discipline. Silverstein AM. **Cell Immunol** 1991 Sep;136(2):504-18 (108 ref.)

TRENDS

The changing role of the allergist in Europe. Debelic M. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:128-36 (15 ref.)

ALLESCHERIA see **PSEUDALLESCHERIA**

ALLIED HEALTH OCCUPATIONS

TRENDS

Forces and trends shaping allied health practice and education. Selker LG, et al. **J Allied Health** 1991 Winter; 20(1):5-14 (18 ref.)

ALLIED HEALTH PERSONNEL

The role of the ocularist. McFall JD. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:53-4 (0 ref.)
[Current situation of occupational diseases in physicians and medical personnel] Valentin H. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2-3):182-200 (7 ref.) (Eng. Abstr.) **(Ger)**

SUPPLY & DISTRIBUTION

Overview of allied health personnel shortages. Elwood TW. **J Allied Health** 1991 Winter;20(1):47-62 (17 ref.)

ALLIUM SATIVUM see **GARLIC**

ALLOANTIBODIES see **ISOANTIBODIES**

ALLOANTIGENS see **ISOANTIGENS**

ALLOGRAFT see **TRANSPLANTATION, HOMOLOGOUS**

ALLOGRAFT DRESSINGS see **BIOLOGICAL DRESSINGS**

ALLOPURINOL

THERAPEUTIC USE

Allopurinol in ischemia--reperfusion injury of heart. Emerit I, et al. **Adv Exp Med Biol** 1990;264:367-72 (37 ref.)

ALLOSTERIC SITE

Is symmetry conservation an unessential feature of allosteric theory? Debru C. **Biophys Chem** 1990 Aug 31;37(1-3):15-23 (38 ref.)

DRUG EFFECTS

Allosteric antagonists of the muscarinic acetylcholine receptor. Lee NH, et al. **Biochem Pharmacol** 1991 Jul 5; 42(2):199-205 (85 ref.)

ALLOTYPES, IG GM see **IMMUNOGLOBULIN GM ALLOTYPES**

ALLOTYPES, IMMUNOGLOBULIN see **IMMUNOGLOBULIN ALLOTYPES**

ALLOTYPIC ANTIBODIES see **IMMUNOGLOBULIN ALLOTYPES**

ALLOWING TO DIE see **EUTHANASIA, PASSIVE**

ALLOXAN DIABETES see DIABETES MELLITUS, EXPERIMENTAL

ALLOYS

Modern metal processing for improved load-bearing surgical implants. Pilliar RM. **Biomaterials** 1991 Mar;12(2):95–100 (60 ref.)

The safety of low melting point bismuth/lead alloys: a review. Glasgow GP. **Med Dosim** 1991 Mar;16(1):13–8 (13 ref.)

ALLYLAMINE

ANALOGS & DERIVATIVES

Pharmacology of the allylamines. Birnbaum JE. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 2):782–5 (15 ref.)

ALMITRINE

ADVERSE EFFECTS

[Sensitive neuropathy caused by almitrine] Séror P. **Rev Rhum Mal Osteoartic** 1990 Jul–Sep;57(7–8):531–6 (19 ref.) **(Fre)**

PHARMACOLOGY

A review of the EEG effects of the combination of almitrine and raubasine in animals and humans. Sebban C, et al. **Clin Neuropharmacol** 1990;13 Suppl 3:S50–8 (16 ref.)

THERAPEUTIC USE

Progress in understanding the pathophysiology of cerebral ischemia: the almitrine–raubasine approach. Bentué-Ferrer D, et al. **Clin Neuropharmacol** 1990;13 Suppl 3:S9–25 (58 ref.)

ALMITRINE BISMESYLATE see ALMITRINE

ALOPECIA

Androgenetic alopecia (common baldness). Brodland DG, et al. **Cutis** 1991 Mar;47(3):173–6 (21 ref.)

Is baldness a risk factor for coronary artery disease? A review of the literature. Herrera CR, et al. **J Clin Epidemiol** 1990; 43(11):1255–60 (20 ref.)

[Ophthalmological anomalies of the GAPO syndrome (growth retardation, alopecia, pseudo-anodontia, optic atrophy). Apropos of a case] Dellac M, et al. **J Fr Ophtalmol** 1990;13(11–12):547–50 (8 ref.) (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Psychotropic medication and drug-related alopecia. Warnock JK. **Psychosomatics** 1991 Spring;32(2):149–52 (32 ref.)

[Alopecia caused by cytostatic agents] Franssen CF, et al. **Ned Tijdschr Geneeskd** 1991 Jun 15;135(24):1070–3 (27 ref.) **(Dut)**

DIAGNOSIS

Disorders of the hair and scalp in children. Levy ML. **Pediatr Clin North Am** 1991 Aug;38(4):905–19 (54 ref.)

DRUG THERAPY

[Objective assessment of therapeutic hair growth—methods, possibilities and problems] Schell H. **Z Hautkr** 1990 Dec; 65(12):1080–4 (27 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Androgenetic alopecia in women] Berger T, et al. **Hautarzt** 1991 Mar;42(3):201–10 (9 ref.) **(Ger)**

[Diagnosis and therapy of diffuse hair loss] Zaun H. **Z Hautkr** 1990 Dec;65(12):1092–5 (6 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Hair transplantation and bald-scalp reduction. Pinski JB. **Dermatol Clin** 1991 Jan;9(1):151–68 (25 ref.)

Slit grafting: the use of serrated island grafts in male and female-pattern alopecia. Swinehart JM, et al. **J Dermatol Surg Oncol** 1991 Mar;17(3):243–53 (14 ref.)

VETERINARY

Sex hormone-related and growth hormone-related alopecias. Schmeitzel LP. **Vet Clin North Am Small Anim Pract** 1990 Nov;20(6):1579–601 (79 ref.)

ALOPECIA AREATA

DRUG THERAPY

Topical minoxidil for hair loss in women. Hong D, et al. **DICP** 1990 Nov;24(11):1062–3 (12 ref.)

ETIOLOGY

[Alopecia areata. Causes and possibilities of therapy] Hamm H. **Med Monatsschr Pharm** 1991 Jan;14(1):2–4 (4 ref.) **(Ger)**

[Diagnosis and therapy of alopecia areata] Happle R. **Z Hautkr** 1990 Dec;65(12):1096–100 (16 ref.) (Eng. Abstr.) **(Ger)**

[Diagnosis and therapy of diffuse hair loss] Zaun H. **Z Hautkr** 1990 Dec;65(12):1092–5 (6 ref.) (Eng. Abstr.) **(Ger)**

ALPHA ACTININ see ACTININ

ALPHA 2-ACUTE PHASE GLOBULINS see ALPHA MACROGLOBULINS

ALPHA ADRENERGIC BLOCKING AGENTS see ADRENERGIC ALPHA RECEPTOR BLOCKADERS

ALPHA ADRENERGIC RECEPTOR AGONISTS see ADRENERGIC ALPHA RECEPTOR AGONISTS

ALPHA ADRENERGIC RECEPTOR BLOCKADERS see ADRENERGIC ALPHA RECEPTOR BLOCKADERS

ALPHA ADRENERGIC RECEPTORS see RECEPTORS, ADRENERGIC, ALPHA

ALPHA-AMYLASE

BLOOD

[Biochemical studies in the diagnosis of acute pancreatitis] Tvorogova MG, et al. **Ter Arkh** 1991;63(2):144–7 (26 ref.) **(Rus)**

ALPHA 1-ANTICHYMOTRYPSIN

ANALYSIS

Fine needle aspiration cytology and immunocytochemical characterization of the histiocytes in sinus histiocytosis with massive lymphadenopathy (Rosai-Dorfman syndrome). Pettinato G, et al. **Acta Cytol** 1990 Nov-Dec;34(6):771–7 (37 ref.)

ALPHA 1-ANTITRYPSIN

DEFICIENCY

Use of anti-collagenase properties of doxycycline in treatment of alpha 1-antitrypsin deficiency panniculitis. Humbert P, et al. **Acta Derm Venereol (Stockh)** 1991; 71(3):189–94 (31 ref.)

Natural history and clinical management of emphysema in patients with and without alpha 1-antitrypsin inhibitor deficiency. Turino GM. **Ann N Y Acad Sci** 1991;624:18–29 (47 ref.)

The cellular basis for liver injury in alpha 1-antitrypsin deficiency. Perlmutter DH. **Hepatology** 1991 Jan; 13(1):172–85 (178 ref.)

Alpha 1-antitrypsin deficiency: pathogenesis and treatment. Crystal RG. **Hosp Pract [Off]** 1991 Feb 15;26(2):81–4, 88–9, 93–4 (12 ref.)

[Pathogenesis of liver disease in alpha 1-antitrypsin deficiency] Vogel W, et al. **Acta Med Austriaca** 1990; 17(5):100–3 (15 ref.) (Eng. Abstr.) **(Ger)**

[Genetically-induced deficiency of alpha 1-antitrypsin and diseases of the lung—current assessment and perspectives] Stobernack A, et al. **Z Arztl Fortbild (Jena)** 1990; 84(22):1144–8 (20 ref.) **(Ger)**

[New theories on the role of genetically determined alpha 1-antitrypsindeficiency in the development of pulmonary emphysema] Pilacik B, et al. **Pol Tyg Lek** 1990 Sep 17–24; 45(38–39):798–800 (21 ref.) **(Pol)**

[Double gastric neoplasia (lymphoma/adenocarcinoma) associated with alpha-1 antitrypsin deficiency. Presentation of a case and review of the literature] Hernández Batuecas I, et al. **An Med Interna** 1989 Jan;6(1):29–32 (22 ref.) (Eng. Abstr.) **(Spa)**

GENETICS

The molecular genetics of alpha 1 antitrypsin deficiency. Wu Y, et al. **Bioessays** 1991 Apr;13(4):163–9 (49 ref.)

Molecular biology and respiratory disease. 7. The alpha 1 antitrypsin gene and chronic lung disease. Kalsheker N, et al. **Thorax** 1990 Oct;45(10):759–64 (50 ref.)

[Alpha 1-antitrypsin polymorphism] Nowak S, et al. **Postepy Hig Med Dosw** 1989;43(2–4):213–35 (128 ref.) (Eng. Abstr.) **(Pol)**

METABOLISM

[Proteinases, protease inhibitors and antirheumatic therapy] Rudenko VG, et al. **Revmatologiia (Mosk)** 1990 Jul–Sep; (3):32–8 (69 ref.) **(Rus)**

ALPHA BLOCKERS, ADRENERGIC see ADRENERGIC ALPHA RECEPTOR BLOCKADERS

ALPHA CHAIN DISEASE see IMMUNOPROLIFERATIVE SMALL INTESTINAL DISEASE

ALPHA FETOPROTEINS

[Present status of tumor markers] Hirai H. **Hum Cell** 1988 Mar;1(1):1–9 (70 ref.) (Eng. Abstr.) **(Jpn)**

ANALYSIS

The anatomic basis of maternal serum screening. Bendon RW. **Ann Clin Lab Sci** 1991 Jan–Feb;21(1):36–9 (7 ref.)

Alpha-fetoprotein: reevaluation in hepatology. Taketa K. **Hepatology** 1990 Dec;12(6):1420–32 (174 ref.)

The role of ultrasound in evaluation of patients with elevated maternal serum alpha-fetoprotein: a review. Watson WJ, et al. **Obstet Gynecol** 1991 Jul;78(1):123–8 (46 ref.)

Unexplained elevations of maternal serum alpha-fetoprotein. Katz VL, et al. **Obstet Gynecol Surv** 1990 Nov; 45(11):719–26 (78 ref.)

[Alpha fetoprotein concentration in the amniotic fluid in normal pregnancy and in pregnancy complicated by fetal anomaly] Szabó M, et al. **Orv Hetil** 1990 Sep 30; 131(39):2139–42 (22 ref.) (Eng. Abstr.) **(Hun)**

[Diagnosis of hepatocellular carcinoma performed by searching for serologic tumor markers] de Oliveira e Silva A, et al. **Arq Gastroenterol** 1990 Apr–Jun;27(2):83–94 (123 ref.) (Eng. Abstr.) **(Por)**

BIOSYNTHESIS

[The characters of AFP-producing early gastric cancer] Chang YC, et al. **Nippon Geka Gakkai Zasshi** 1990 Oct; 91(10):1574–80 (18 ref.) (Eng. Abstr.) **(Jpn)**

CHEMISTRY

Chemistry and biology of alpha-fetoprotein. Deutsch HF. **Adv Cancer Res** 1991;56:253–312 (454 ref.)

GENETICS

The activation and silencing of gene transcription in the liver. Camper SA, et al. **Biotechnology** 1991;16:81–7 (24 ref.)

PHYSIOLOGY

Chemistry and biology of alpha-fetoprotein. Deutsch HF. **Adv Cancer Res** 1991;56:253–312 (454 ref.)

ALPHA-GLOBIN see GLOBIN

ALPHA GLOBULINS

Inter-alpha-trypsin inhibitor: a plasma proteinase inhibitor with a unique chemical structure. Odum L. **Int J Biochem** 1990;22(9):925–30 (76 ref.)

ANALYSIS

Investigation of inter-alpha-trypsin inhibitor and slow migrating proteinase inhibitors in serum and urine. Odum L. **Dan Med Bull** 1991 Feb;38(1):68–77 (111 ref.)

GENETICS

Inter-alpha-trypsin inhibitor: emergence of a family within the Kunitz-type protease inhibitor superfamily. Salier JP. **Trends Biochem Sci** 1990 Nov;15(11):435–9 (32 ref.)

ALPHA 2-GLUCOPROTEINS see ALPHA MACROGLOBULINS

1,4-ALPHA-GLUCOSIDASE, EXO see GLUCAN 1,4-ALPHA-GLUCOSIDASE

ALPHA-GLUCOSIDASES

DEFICIENCY

Muscle glycogenosis. Moses SW. **J Inherited Metab Dis** 1990; 13(4):452–65 (50 ref.)

ALPHA-HEPARIN see HEPARIN

ALPHA-HYPOPHAMINE see OXYTOCIN

ALPHA LIPOPROTEINS see LIPOPROTEINS, HDL

ALPHA MACROFETOPROTEINS see ALPHA MACROGLOBULINS

ALPHA MACROGLOBULINS

METABOLISM

[Proteinases, protease inhibitors and antirheumatic therapy] Rudenko VG, et al. **Revmatologiia (Mosk)** 1990 Jul–Sep; (3):32–8 (69 ref.) **(Rus)**

PHYSIOLOGY

Alpha 2-macroglobulin: a multifunctional protein of the seminiferous tubule. Stahler MS, et al. **Ann N Y Acad Sci** 1991;626:73–80 (32 ref.)

Cytokine binding and clearance properties of proteinase-activated alpha 2-macroglobulins. LaMarre J, et al. **Lab Invest** 1991 Jul;65(1):3–14 (132 ref.)

ALPHA-MSH

BLOOD

Alpha melanocyte stimulating hormone (MSH) in Tourette's syndrome. Sandyk R. **Int J Neurosci** 1989 Jan; 44(1-2):161-4 (20 ref.)

GENETICS

Diphtheria-related peptide hormone gene fusions: a molecular genetic approach to chimeric toxin development. Murphy JR. **Cancer Treat Res** 1988;37:123-40 (51 ref.)

ALPHA-NAPHTHYLAMINE see **1-NAPHTHYLAMINE**

ALPHA 2-PLASMIN INHIBITOR see **ANTIPLASMIN**

ALPHA 1-PROTEASE INHIBITOR see **ALPHA 1-ANTITRYPSIN**

ALPHA 1-PROTEINASE INHIBITOR see **ALPHA 1-ANTITRYPSIN**

5-ALPHA-REDUCTASE, TESTOSTERONE see **TESTOSTERONE 5-ALPHA-REDUCTASE**

ALPHA-THALASSEMIA see **THALASSEMIA**

ALPHA-TOXIN see **PHOSPHOLIPASE C**

ALPHA TRANSDUCIN see **TRANSDUCIN**

ALPHAVIRUSES

GROWTH & DEVELOPMENT

The "merry-go-round": alphaviruses between vertebrate and invertebrate cells. Koblet H. **Adv Virus Res** 1990; 38:343-402 (396 ref.)

ALPORT'S SYNDROME see **NEPHRITIS, HEREDITARY**

ALPRAZOLAM

Alprazolam and diazepam: addiction potential. Juergens S. **J Subst Abuse Treat** 1991;8(1-2):43-51 (90 ref.)

PHARMACOLOGY

The pharmacology of alprazolam: a review. Huybrechts I. **Clin Ther** 1991 Jan-Feb;13(1):100-17 (164 ref.)

ALPROSTADIL

Prostacyclin and prostaglandin E1: molecular mechanisms and therapeutic utility. Kerins DM, et al. **Prog Hemost Thromb** 1991;10:307-37 (186 ref.)

ANALOGS & DERIVATIVES

Misoprostol. Arns PA. **Am J Med Sci** 1991 Feb;301(2):133-7 (56 ref.)

Preventing NSAID-induced ulcers: the use of misoprostol. Lynn MM, et al. **Nurse Pract** 1990 Oct;15(10):38-9, 42 (26 ref.)

[The Gemeprost test in the screening of endometrial pathology] Fedele M, et al. **Minerva Ginecol** 1991 Apr; 43(4):181-4 (11 ref.) (Eng. Abstr.) **(Ita)**

BLOOD

Role of insulin receptors in the expression of prostaglandin E1 binding activity in platelets. Kahn NN, et al. **Adv Exp Med Biol** 1990;281:271-6 (18 ref.)

METABOLISM

The interaction of prostaglandin E1 with serum lipoproteins. Possible role in cholesterol homeostasis. Bergelson LD. **Lipids** 1990 Dec;25(12):767-74 (25 ref.)

THERAPEUTIC USE

Prostaglandin E1: is it useful? [editorial] Zurier RB. **J Rheumatol** 1990 Nov;17(11):1439-41 (33 ref.)

ALTERNARIA

Cushing's disease and cutaneous alternariosis. Guerin V, et al. **Arch Intern Med** 1991 Sep;151(9):1865-8 (39 ref.)

ALTERNATIVE MEDICINE

Alternative therapies, 1990. An overview. McGinnis LS. **Cancer** 1991 Mar 15;67(6 Suppl):1788-92 (16 ref.)

False allergic reactions in children with atopic eczema. David TJ. **Eur J Clin Nutr** 1991;45 Suppl 1:47-51 (32 ref.)

Alternative dietary therapies in cancer patients. Hunter M. **Recent Results Cancer Res** 1991;121:293-5 (3 ref.)

[Alternative treatment methods in rheumatic diseases; a literature review] Jacobs JW, et al. **Ned Tijdschr Geneeskd** 1991 Feb 23;135(8):317-22 (17 ref.) (Eng. Abstr.) **(Dut)**

[Special therapeutic directions. 3: Drug therapy processes, related and modified procedures] Eujen BR. **Med Monatsschr Pharm** 1991 Mar;14(3):81-6 (0 ref.) **(Ger)**

[Alternative treatment possibilities of atopic diseases] Haidvogl M. **Padiatr Padol** 1990;25(6):389-96 (9 ref.) (Eng. Abstr.) **(Ger)**

[Geriatric drugs--delayed aging, fountain of youth or profit out of aging?] Platt D. **Verh Dtsch Ges Inn Med** 1990; 96:310-8 (17 ref.) **(Ger)**

[When conventional medicine is not sufficient. Even physicians are interested in alternative treatment methods] Lynöe N, et al. **Lakartidningen** 1991 May 29;88(22):2077-8 (25 ref.) **(Swe)**

TRENDS

[Special therapeutic orientations. 1: Definitions, general principles] Eujen R. **Med Monatsschr Pharm** 1991 Jan; 14(1):19-22 (0 ref.) **(Ger)**

[Special therapeutic trends. 2: General procedures, basic naturopathy procedures] Eujen R, et al. **Med Monatsschr Pharm** 1991 Feb;14(2):43-6 (0 ref.) **(Ger)**

ALTERNATIVES TO ANIMAL TESTING see **ANIMAL TESTING ALTERNATIVES**

ALTITUDE

see related
MOUNTAINEERING

Tolerance to severe hypoxia: lessons from Mt. Everest. West JB. **Acta Anaesthesiol Scand Suppl** 1990;94:18-23 (25 ref.)

ALTITUDE SICKNESS

[High altitude illness: pathophysiology, therapy and prevention] Seidman DS, et al. **Harefuah** 1990 Nov 15; 119(10):334-7 (34 ref.) **(Heb)**

DIAGNOSIS

[Acute mountain sickness] Guijarro Morales A, et al. **An Med Interna** 1990 Jul;7(7):375-8 (26 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Medical consequences of acute exposure to high altitude. Hallenborg CP. **Hawaii Med J** 1991 Mar;50(3):96-9 (6 ref.)

ALTRUISM

Concepts of caring and caring as a concept. Morse JM, et al. **ANS** 1990 Sep;13(1):1-14 (69 ref.)

Is altruism enough? Required request and the donation of cadaver organs and tissues in the United States. Caplan AL, et al. **Crit Care Clin** 1990 Oct;6(4):1007-18 (15 ref.)

ALU REPETITIVE SEQUENCE see **REPETITIVE SEQUENCES, NUCLEIC ACID**

ALUMINA see **ALUMINUM OXIDE**

ALUMINUM

[Public health and ecological aspects of the protection of the biosphere against industrial fluorine-containing wastes] Shcherbakov SV, et al. **Vestn Akad Med Nauk SSSR** 1991; (1):54-9 (51 ref.) **(Rus)**

ADVERSE EFFECTS

Aluminum neurotoxicity: a reevaluation. Murray JC, et al. **Clin Neuropharmacol** 1991 Apr;14(2):179-85 (43 ref.)

METABOLISM

Mechanism of Alzheimer's disease: arguments for a neurotransmitter-aluminium complex implication. Deloncle R, et al. **Neurochem Res** 1990 Dec;15(12):1239-45 (85 ref.)

PHARMACOLOGY

Experimental models of aluminum-induced motor neuron degeneration. Garruto RM, et al. **Adv Neurol** 1991; 56:327-40 (82 ref.)

POISONING

The aluminum content of parenteral solutions: current status. Klein GL. **Nutr Rev** 1991 Mar;49(3):74-9 (33 ref.)

TOXICITY

Neurochemical hypothesis: participation by aluminum in producing critical mass of colocalized errors in brain leads to neurological disease. Joshi JG. **Comp Biochem Physiol [C]** 1991;100(1-2):103-5 (21 ref.)

[Aluminum--occurrence and characteristics of toxicity] Starska K. **Rocz Panstw Zakl Hig** 1990;41(3-4):99-110 (183 ref.) (Eng. Abstr.) **(Pol)**

ALUMINUM HYDROXIDE

ADVERSE EFFECTS

Antacid and sucralfate-induced hypophosphatemic osteomalacia: a case report and review of the literature. Chines A, et al. **Calcif Tissue Int** 1990 Nov;47(5):291-5 (26 ref.)

[Subcutaneous nodules and sensitivity to aluminum in patients undergoing hyposensitivity immunotherapy] García-Patos V, et al. **Med Cutan Ibero Lat Am** 1990;18(2):83-8 (27 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

Significance of the ciprofloxacin-antacid interaction. Roush MK, et al. **DICP** 1991 May;25(5):473-5 (15 ref.)

ALUMINUM HYDROXIDE GEL see **ALUMINUM HYDROXIDE**

ALUMINUM OXIDE

Clinical evaluation of a single crystal sapphire tooth implant in human beings. Sclaroff A, et al. **Oral Surg Oral Med Oral Pathol** 1990 Aug;70(2):141-6 (6 ref.)

[Tribologic study of hip prostheses] Teinturier P, et al. **Rev Chir Orthop** 1990;76(6):383-90 (26 ref.) (Eng. Abstr.) **(Fre)**

ALUMINUM SILICATES

PHARMACOLOGY

Detection and detoxification of aflatoxins: prevention of aflatoxicosis and aflatoxin residues with hydrated sodium calcium aluminosilicate. Phillips TD, et al. **Vet Hum Toxicol** 1990;32 Suppl:15-9 (18 ref.)

ALUMINUM SUCROSE SULFATE see **SUCRALFATE**

ALVEOLALGIA see **DRY SOCKET**

ALVEOLAR BONE LOSS

ETIOLOGY

Alveolar ridge resorption and mandibular atrophy. A review of the role of local and systemic factors. Devlin H, et al. **Br Dent J** 1991 Feb 9;170(3):101-4 (38 ref.)

A novel hypothesis concerning the mechanisms of activation, and of control, of periodontal bone loss. Creamer HR. **Med Hypotheses** 1991 Jun;35(2):115-21 (51 ref.)

IMMUNOLOGY

The role of inflammatory mediators in the pathogenesis of periodontal disease. Page RC. **J Periodont Res** 1991 May; 26(3 (Pt 2)):230-42 (97 ref.)

PREVENTION & CONTROL

Edentulism and preventive goals in the treatment of mutilated dentition. Kalk W, et al. **Int Dent J** 1990 Oct;40(5):267-74 (18 ref.)

SURGERY

Mandibular vestibuloplasty. Experimental and clinical studies. Hillerup S. **Dan Med Bull** 1991 Apr;38(2):97-113 (171 ref.)

Regenerating bone in clinical periodontics. Mellonig JT, et al. **J Am Dent Assoc** 1990 Oct;121(4):497-502 (103 ref.)

ALVEOLAR LAVAGE FLUID see **BRONCHOALVEOLAR LAVAGE FLUID**

ALVEOLAR PROCESS

see related
DENTAL ARCH

PATHOLOGY

Preventive implantations. Denissen HW, et al. **Int Dent J** 1991 Feb;41(1):17-24 (12 ref.)

PHYSIOPATHOLOGY

Bone regeneration using the principle of guided tissue regeneration. Nyman S. **J Clin Periodontol** 1991 Jul; 18(6):494-8 (15 ref.)

[Bone resorption in orthodontic tooth movement: an attempted schematization] Olive M, et al. **Orthod Fr** 1989; 60 Pt 2:895-904 (54 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Early calcipenic osteopathy in the panoramic x-ray image of the maxillary and mandibular alveolar process of young adult alcoholics] Szántó D, et al. **Orv Hetil** 1990 Oct 21; 131(42):2313-6 (30 ref.) (Eng. Abstr.) **(Hun)**

ALVEOLAR RESORPTION see **ALVEOLAR BONE LOSS**

ALVEOLITIS, EXTRINSIC ALLERGIC

Hypersensitivity pneumonitis. Sharma OP. **Dis Mon** 1991 Jul; 37(7):409–71 (269 ref.)

DIAGNOSIS

Organic dust toxic syndrome: an acute febrile reaction to organic dust exposure distinct from hypersensitivity pneumonitis. Von Essen S, et al. **J Toxicol Clin Toxicol** 1990;28(4):389–420 (101 ref.)

[Extrinsic allergic alveolitis: diagnostic approach] Reynaud C. **Rev Med Suisse Romande** 1991 Mar;111(3):193–7 (16 ref.) **(Fre)**

[Diagnostic aspects of allergic alveolitis] Müller S. **Z Gesamte Inn Med** 1990 Oct 1;45(19):581–4 (13 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

[Therapeutic possibilities in alveolitis and pulmonary fibrosis] Liebetrau G. **Z Gesamte Inn Med** 1990 Oct 1;45(19):592–5 (49 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Extrinsic allergic alveolitis caused by esparto (Stipa tenacissima). Gamboa PM, et al. **Allergol Immunopathol (Madr)** 1990 Nov–Dec;18(6):331–4 (20 ref.)

IMMUNOLOGY

Immunology of interstitial lung diseases: cellular events taking place in the lung of sarcoidosis, hypersensitivity pneumonitis and HIV infection. Semenzato G. **Eur Respir J** 1991 Jan;4(1):94–102 (42 ref.)

ALVEOLITIS, FIBROSING see **PULMONARY FIBROSIS**

ALVEOLOCAPILLARY MEMBRANE see **BLOOD–AIR BARRIER**

ALVEOLOPLASTY

Healing and repair of osseous defects. Bernard GW. **Dent Clin North Am** 1991 Jul;35(3):469–77 (47 ref.)

ALZHEIMER BETA-PROTEIN see **AMYLOID BETA-PROTEIN**

ALZHEIMER'S DISEASE

Nutritional aspects of dementia, especially Alzheimer's disease. Bucht G, et al. **Age Ageing** 1990 Jul;19(4):S32–6 (58 ref.)

New perspectives in the management of Alzheimer's disease. Warshaw GA. **Am Fam Physician** 1990 Nov;42(5 Suppl).41S–47S (15 ref.)

Alzheimer disease: basic and clinical advances. Katzman R, et al. **J Am Geriatr Soc** 1991 May;39(5):516–25 (81 ref.)

Alzheimer's disease. Harrell LE. **South Med J** 1991 May;84(5 Suppl 1):S32–40 (64 ref.)

[Driving and dementia of Alzheimer's type] Heinik J, et al. **Harefuah** 1991 Jan 15;120(2):83–5 (19 ref.) **(Heb)**

[Alzheimer's disease and Down's syndrome: a review] Vicari S, et al. **Riv Neurol** 1990 Jul–Aug;60(4):151–9 (84 ref.) (Eng. Abstr.) **(Ita)**

[Alzheimer's disease] Vasconcelos D. **Gac Med Mex** 1990 Nov–Dec;126(6):523–5 (12 ref.) (Eng. Abstr.) **(Spa)**

[Senile dementia and Alzheimer's disease] Gonzalo Sanz LM. **Rev Med Univ Navarra** 1989 Jan–Mar;33(1):27–36 (176 ref.) (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Neurochemical hypothesis: participation by aluminum in producing critical mass of colocalized errors in brain leads to neurological disease. Joshi JG. **Comp Biochem Physiol [C]** 1991;100(1–2):103–5 (21 ref.)

Pharmacologic models of Alzheimer's disease. Patel S, et al. **Psychiatr Clin North Am** 1991 Jun;14(2):287–308 (146 ref.)

CLASSIFICATION

Subgroups in Alzheimer's disease: fact or fiction? Mohr E, et al. **Psychiatr J Univ Ott** 1990 Nov;15(4):203–6 (32 ref.)

COMPLICATIONS

Semantic deterioration in Alzheimer's: the patterns to expect. Chobor KL, et al. **Geriatrics** 1990 Oct;45(10):68–70, 75 (38 ref.)

Is amyloidogenesis during Alzheimer's disease due to an IL-1-/IL-6-mediated 'acute phase response' in the brain? Vandenabeele P, et al. **Immunol Today** 1991 Jul;12(7):217–9 (44 ref.)

Differential aspects of cognitive impairment in patients suffering from Parkinson's and Alzheimer's disease: a neuropsychological evaluation. Caltagirone C, et al. **Int J Neurosci** 1989 Jan;44(1–2):1–7 (22 ref.)

Depression in Alzheimer's disease. Alexopoulos GS, et al. **Psychiatr Clin North Am** 1991 Jun;14(2):327–40 (86 ref.)

Agitation and other noncognitive abnormalities in Alzheimer's disease. Deutsch LH, et al. **Psychiatr Clin North Am** 1991 Jun;14(2):341–51 (44 ref.)

[Dementia. Language and previous intelligence. Review] González Montalvo JI, et al. **Arch Neurobiol (Madr)** 1990 Sep–Oct;53(5):162–70 (69 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Verbal communication impairment in dementia research frontiers in language and cognition. Domenico RA. **Adv Exp Med Biol** 1990;282:79–88 (22 ref.)

The diagnosis of Alzheimer's disease. Murden RA. **Adv Exp Med Biol** 1990;282:59–64 (6 ref.)

Alzheimer disease and the dementia of Parkinson disease: comparative investigations. Mahler ME, et al. **Alzheimer Dis Assoc Disord** 1990 Fall;4(3):133–49 (105 ref.)

Imaging of degenerative brain disorders. Berson BD. **Curr Opin Radiol** 1991 Feb;3(1):51–4 (16 ref.)

The dexamethasone suppression test in Alzheimer's disease and major depression: relationship to dementia severity, depression, and CSF monoamines. Molchan SE, et al. **Int Psychogeriatr** 1990 Fall;2(2):99–122 (80 ref.)

The impact of Alzheimer's disease on driving ability: a review. Donnelly RE, et al. **J Geriatr Psychiatry Neurol** 1990 Apr–Jun;3(2):67–72 (36 ref.)

Non Alzheimer's disease forms of cerebral atrophy [editorial] Neary D. **J Neurol Neurosurg Psychiatry** 1990 Nov; 53(11):929–31 (32 ref.)

Assessment of functional changes in Alzheimer's disease. Gauthier L, et al. **Neuroepidemiology** 1990;9(4):183–8 (12 ref.)

Alzheimer's disease. Recognizing and treating a frustrating condition. Skelton WP 3d, et al. **Postgrad Med** 1991 Sep 15;90(4):33–4, 37–41 (29 ref.)

Scales for the assessment of Alzheimer's disease. Kluger A, et al. **Psychiatr Clin North Am** 1991 Jun;14(2):309–26 (72 ref.)

The clinical differential diagnosis of dementia: concept and methodology. Korczyn AD. **Psychiatr Clin North Am** 1991 Jun;14(2):237–49 (84 ref.)

Clinical diagnosis and course of Alzheimer's disease. Morris JC, et al. **Psychiatr Clin North Am** 1991 Jun;14(2):223–36 (53 ref.)

[The differential diagnosis of Alzheimer's dementia from the neurological viewpoint] Berlit P, et al. **Dtsch Med Wochenschr** 1990 Nov 9;115(45):1724–8 (21 ref.) **(Ger)**

[Diagnosis of Alzheimer's dementia] Lang C. **Fortschr Med** 1990 Nov 20;108(33):625–9 (0 ref.) (Eng. Abstr.) **(Ger)**

[Advances in the diagnosis of Alzheimer's disease] Jarema M. **Wiad Lek** 1990 Jun 1;43(11):530–5 (21 ref.) (Eng. Abstr.) **(Pol)**

[The neurobiology and molecular genetics of Alzheimer's disease: the diagnostic markers and therapy] Cacabelos R. **Med Clin (Barc)** 1990 Oct 20;95(13):502–16 (140 ref.) **(Spa)**

DRUG THERAPY

Therapeutic strategies in dementia disorders. Ferris SH. **Acta Neurol Scand Suppl** 1990;129:23–6 (0 ref.)

THA, a putative drug in the treatment of Alzheimer's disease? Thal LJ. **Acta Neurol Scand Suppl** 1990;129:27–8 (8 ref.)

Cholinergic strategies in the treatment of Alzheimer's disease. Davidson M, et al. **Acta Psychiatr Scand Suppl** 1991; 366:47–51 (37 ref.)

Cholinergic drug studies in dementia and depression. Newhouse PA. **Adv Exp Med Biol** 1990;282:65–76 (37 ref.)

Present state and future development of the therapy of Alzheimer disease. Pomponi M, et al. **Aging (Milano)** 1990 Jun;2(2):125–53 (201 ref.)

Potassium channel blockers: could they work in Alzheimer disease? Wiseman EJ, et al. **Alzheimer Dis Assoc Disord** 1991 Spring;5(1):25–30 (38 ref.)

Drug treatment of Alzheimer's disease. Cooper JK. **Arch Intern Med** 1991 Feb;151(2):245–9 (78 ref.)

Alternatives in the treatment of memory loss in patients with Alzheimer's disease. Volger BW. **Clin Pharm** 1991 Jun; 10(6):447–56 (92 ref.)

Treatment of Alzheimer's disease with cholinergic drugs. Kumar V, et al. **Int J Clin Pharmacol Ther Toxicol** 1991 Jan;29(1):23–37 (96 ref.)

Clinical trials in Alzheimer's disease. A report from the Medical Research Council Alzheimer's Disease Clinical Trials Committee. Swash M, et al. **J Neurol Neurosurg Psychiatry** 1991 Feb;54(2):178–81 (30 ref.)

Neuroimmune axis as a basis of therapy in Alzheimer's disease. Singh VK. **Prog Drug Res** 1990;34:383–93 (34 ref.)

The treatment of cognitive impairment in Alzheimer's disease: beyond the cholinergic approach. Davidson M, et al. **Psychiatr Clin North Am** 1991 Jun;14(2):461–82 (175 ref.)

The use of benzodiazepines in the management of behavioral symptoms in demented patients. Stern RG, et al. **Psychiatr Clin North Am** 1991 Jun;14(2):375–84 (17 ref.)

New approaches to therapy for neurodegenerative diseases. Schmechel DE. **South Med J** 1991 May;84(5 Suppl 1):S11–23 (96 ref.)

[Pharmaceutical research strategies in Alzheimer's disease] Wülfert E. **J Pharm Belg** 1991 Jan–Feb;46(1):67–77 (30 ref.) (Eng. Abstr.) **(Fre)**

[Central effect of calcium channel antagonists: new therapeutic possibilities in neurology and psychiatry?] Kostowski W, et al. **Psychiatr Pol** 1990 May–Jun; 24(3):209–16 (39 ref.) **(Pol)**

EPIDEMIOLOGY

The epidemiology of primary degenerative dementia and related neurological disorders. Cooper B. **Eur Arch Psychiatry Clin Neurosci** 1991;240(4–5):223–33 (88 ref.)

The epidemiology of dementia in North America. Eastwood MR, et al. **Eur Arch Psychiatry Clin Neurosci** 1991; 240(4–5):207–11 (50 ref.)

Cross-national comparisons of the occurrence of Alzheimer's and vascular dementias. Jorm AF. **Eur Arch Psychiatry Clin Neurosci** 1991;240(4–5):218–22 (80 ref.)

Recent developments in gerontopsychiatric research on age-associated dementia in Japan. Homma A, et al. **Int Psychogeriatr** 1989 Spring;1(1):31–49 (90 ref.)

Twin studies of Alzheimer's disease: an approach to etiology and prevention. Breitner JC, et al. **Neurobiol Aging** 1990 Nov–Dec;11(6):641–8 (71 ref.)

Dimensional versus nosographic approach to Alzheimer's disease: therapeutic implications. Derouesné C, et al. **Neuroepidemiology** 1990;9(4):177–82 (23 ref.)

Epidemiology of Alzheimer's disease. Trèves TA. **Psychiatr Clin North Am** 1991 Jun;14(2):251–65 (78 ref.)

ETIOLOGY

Alzheimer's disease: theories of causation. Bradley WG. **Adv Exp Med Biol** 1990;282:31–8 (59 ref.)

In search of the etiology of Alzheimer's disease. Edwards JA. **Adv Exp Med Biol** 1990;282:21–9 (34 ref.)

Aluminum neurotoxicity: a reevaluation. Murray JC, et al. **Clin Neuropharmacol** 1991 Apr;14(2):179–85 (43 ref.)

Advances in Alzheimer's disease. Katzman R, et al. **FASEB J** 1991 Mar 1;5(3):278–86 (86 ref.)

Cephaloconiosis: a free radical perspective on the proposed particulate-induced etiopathogenesis of Alzheimer's dementia and related disorders. Evans PH, et al. **Med Hypotheses** 1991 Mar;34(3):209–19 (161 ref.)

Mechanism of Alzheimer's disease: arguments for a neurotransmitter-aluminium complex implication. Deloncle R, et al. **Neurochem Res** 1990 Dec;15(12):1239–45 (85 ref.)

Alzheimer's disease. Clues to the cause. Gorelick PB, et al. **Postgrad Med** 1991 Mar;89(4):231–2, 237–8, 240 (21 ref.)

Molecular studies in Alzheimer's disease. Holtzman DM, et al. **Trends Biochem Sci** 1991 Apr;16(4):140–4 (44 ref.)

[Alzheimer's disease and the zinc theory] Constantinidis J. **Encephale** 1990 Jul–Aug;16(4):231–9 (62 ref.) (Eng. Abstr.) **(Fre)**

[Preceding, concomitant and subsequent medical diseases with Alzheimer dementia] Förstl H. **Med Klin** 1990 Dec 15;85(12):725–8, 739 (39 ref.) **(Ger)**

[Alzheimer's disease] Groppa SA. **Zh Nevropatol Psikhiatr** 1990;90(9):105–12 (141 ref.) **(Rus)**

[New outlooks in Alzheimer's disease] Cacabelos R. **Rev Clin Esp** 1990 Nov;187(7):356–67 (97 ref.) **(Spa)**

GENETICS

Molecular genetics of Alzheimer's disease. Hardy J. **Acta Neurol Scand Suppl** 1990;129:29–31 (19 ref.)

Review and hypothesis: Alzheimer disease and Down syndrome—chromosome 21 nondisjunction may underlie both disorders. Potter H. **Am J Hum Genet** 1991 Jun; 48(6):1192–200 (81 ref.)

Clinical genetics and genetic counseling in Alzheimer disease. Breitner JC. **Ann Intern Med** 1991 Oct 15;115(8):601–6 (60 ref.)

The continuum of psychosis and its genetic origins. The sixty-fifth Maudsley lecture [see comments] Crow TJ. **Br J Psychiatry** 1990 Jun;156:788–97 (78 ref.) Comment in: Br J Psychiatry 1990 Nov;157:781–2.

Toward a molecular etiology of Alzheimer's disease. Banner C. **Int Psychogeriatr** 1990 Fall;2(2):135–47 (60 ref.)

Trophic regulation of basal forebrain gene expression in aging and Alzheimer's disease. Higgins GA, et al. **Prog Brain Res** 1990;86:239–55 (87 ref.)

Genetics and biology of the Alzheimer amyloid precursor. Neve RL, et al. **Prog Brain Res** 1990;86:257–67 (35 ref.)

Clinical genetic studies of Alzheimer's disease. Li G, et al. **Psychiatr Clin North Am** 1991 Jun;14(2):267–86 (65 ref.)

Down syndrome and the trisomy 16 mouse: impact of gene imbalance on brain development and aging. Coyle JT, et al. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:85–99 (73 ref.)

Genetics of Alzheimer's disease. Folstein MF, et al. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:129–36 (35 ref.)

The search for the genetic defects in Huntington's disease and familial Alzheimer's disease. Gusella JF. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:75–83 (34 ref.)

[Experimental approach to neuronal degeneration] Delacourte A. **C R Soc Seances Soc Biol Fil** 1990; 184(1):5–17 (47 ref.) **(Fre)**

METABOLISM

Parkinson's disease and Alzheimer's disease: neurodegenerative disorders due to brain antioxidant system deficiency? Ceballos I, et al. **Adv Exp Med Biol**

1990;264:493–8 (43 ref.)
Serotonin in Alzheimer-type dementia and other dementing illnesses. Cross AJ. **Ann N Y Acad Sci** 1990;600:405–15; discussion 415–7 (53 ref.)
Proteolytic cleavage of the Alzheimer's disease amyloid A4 precursor protein. Ishiura S. **J Neurochem** 1991 Feb; 56(2):363–9 (60 ref.)
Cholinergic receptors in human brain: effects of aging and Alzheimer disease. Giacobini E. **J Neurosci Res** 1990 Dec; 27(4):548–60 (98 ref.)
The cholinergic system in Alzheimer disease. Giacobini E. **Prog Brain Res** 1990;84:321–32 (73 ref.)
Increased expression of the major embryonic alpha-tubulin mRNA, T alpha 1, during neuronal regeneration, sprouting, and in Alzheimer's disease. Miller FD, et al. **Prog Brain Res** 1990;86:321–30 (35 ref.)
Neurotransmitters and neuropeptides in Alzheimer's disease. McDonald WM, et al. **Psychiatr Clin North Am** 1991 Jun; 14(2):421–42 (176 ref.)
[Molecular basis of disease in old age and possibilities of its therapy] Valchář M. **Cesk Psychiatr** 1990 Jun;86(3):195–204 (66 ref.) **(Cze)**
[Working hypothesis for the pharmacologic research in the glutamatergic approach to Alzheimer's disease] Vamvakides A. **Ann Pharm Fr** 1989;47(6):329–36 (70 ref.) (Eng. Abstr.) **(Fre)**
[Neuropeptides and Alzheimer's disease] Jiménez A, et al. **Neurologia** 1991 Jan;6(1):17–24 (98 ref.) **(Spa)**

MORTALITY

Survival of patients with dementia. van Dijk PT, et al. **J Am Geriatr Soc** 1991 Jun;39(6):603–10 (66 ref.)

PATHOLOGY

Role of catechol autooxidation in the degeneration of dopamine neurons. Fornstedt B. **Acta Neurol Scand Suppl** 1990;129:12–4 (5 ref.)
Brain monoamines and their metabolites in dementia. Gottfries CG. **Acta Neurol Scand Suppl** 1990;129:8–11 (9 ref.)
Recent progress in the characterization of the pathological hallmarks for Alzheimer's disease. Ulrich J. **Acta Neurol Scand Suppl** 1990;129:5–7 (11 ref.)
Neuropathology of Down syndrome and Alzheimer disease. Cork LC. **Am J Med Genet Suppl** 1990;7:282–6 (72 ref.)
Vulnerability of the neuronal cytoskeleton in aging and Alzheimer disease: widespread involvement of all three major filament systems. Trojanowski JQ, et al. **Annu Rev Gerontol Geriatr** 1990;10:167–82 (59 ref.)
Structural aspects of pathology in Alzheimer's disease. Crowther RA. **Biochim Biophys Acta** 1990 Nov 14; 1096(1):1–9 (50 ref.)
Alzheimer's disease: clinical and pathological characteristics. Jones AW, et al. **Int J Neurosci** 1990 Feb;50(3–4):147–68 (86 ref.)
Involvement of free radicals in dementia of the Alzheimer type: a hypothesis. Volicer L, et al. **Neurobiol Aging** 1990 Sep–Oct;11(5):567–71 (66 ref.)
The molecular pathology of Alzheimer's disease. Selkoe DJ. **Neuron** 1991 Apr;6(4):487–98 (136 ref.)
Pathology of Alzheimer's disease. Blass JP, et al. **Psychiatr Clin North Am** 1991 Jun;14(2):397–420 (121 ref.)
Alzheimer plaques and tangles: advances on both fronts [news] Kosik KS. **Trends Neurosci** 1991 Jun;14(6):218–9 (34 ref.)
[Alzheimer's dementia and zinc] Constantinidis J. **Schweiz Arch Neurol Psychiatr** 1990;141(6):523–56 (120 ref.) (Eng. Abstr.) **(Fre)**
[Morphology of Alzheimer disease (published erratum appears in Fortschr Med 1991 Mar 20;109(8):186)] Braak H, et al. **Fortschr Med** 1990 Nov 20;108(33):621–4 (0 ref.) (Eng. Abstr.) **(Ger)**
[Amyloid (senile) plaques in Alzheimer's disease brain] Ishii T. **Nippon Rinsho** 1991 Apr;49(4):945–9 (20 ref.) **(Jpn)**
[Pathology of the cytoskeleton in Alzheimer's disease and disorders related to this disease] Seitelberg F, et al. **Gac Med Mex** 1990 Sep–Oct;126(5):367–73 (16 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Plasticity of memory functioning in normal aging and Alzheimer's disease. Bäckman L. **Acta Neurol Scand Suppl** 1990;129:32–6 (19 ref.)
Parkinson's disease, motoneuron disease and Alzheimer's disease: origins and interrelationship. Calne DB, et al. **Adv Neurol** 1990;53:355–60 (29 ref.)
Hypothesis regarding amyloid and zinc in the pathogenesis of Alzheimer disease: potential for preventive interveation. Constantinidis J. **Alzheimer Dis Assoc Disord** 1991 Spring; 5(1):31–5 (41 ref.)
Subcognitive processing in the frontocaudate "complex loop": the role of the striatum. Taylor AE, et al. **Alzheimer Dis Assoc Disord** 1990 Fall;4(3):150–60 (39 ref.)
Clinical correlations of the neurobiological changes of aging. Procter AW, et al. **Ann Med Interne (Paris)** 1990;141 Suppl 1:3–6 (38 ref.)
Neuropeptides and neurotransmitters in Alzheimer's disease: focus on corticotrophin releasing factor. Doraiswamy PM, et al. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):59–77 (52 ref.)
Sleep in Alzheimer's disease and other dementing disorders. Vitiello MV, et al. **Can J Psychol** 1991 Jun;45(2):221–39 (88 ref.)
Monitoring progression in Alzheimer's disease. Galasko D, et al. **J Am Geriatr Soc** 1991 Sep;39(9):932–41 (66 ref.)
Neuronal plasticity in normal aging and deficient plasticity in Alzheimer's disease: a proposed intercellular signal cascade. Coleman PD, et al. **Prog Brain Res** 1990;86:75–87 (111 ref.)
Plasticity of excitatory amino acid receptors: implications for aging and Alzheimer's disease. Cotman CW, et al. **Prog Brain Res** 1990;86:55–61 (37 ref.)
Neural plasticity in aging and Alzheimer's disease: some selected comments. Phelps CH. **Prog Brain Res** 1990;86:3–9 (48 ref.)
Neuronal responses to injury and aging: lessons from animal models. Price DL, et al. **Prog Brain Res** 1990;86:297–308 (143 ref.)
A systems approach to aging, Alzheimer's disease, and spinal cord regeneration. Roberts E. **Prog Brain Res** 1990; 86:339–55 (111 ref.)
Hereditary cerebral hemorrhage with amyloidosis--Dutch type: its importance for Alzheimer research. Haan J, et al. **Trends Neurosci** 1991 Jun;14(6):231–4 (68 ref.)
[Brain neuropeptides and age-related pathology] Burchinskiĭ SG. **Klin Med (Mosk)** 1991 May;69(5):23–9 (58 ref.) **(Rus)**

PSYCHOLOGY

Understanding placement of the demented elderly. Bergman H. **Adv Exp Med Biol** 1990;282:103–12 (19 ref.)
Alzheimer's disease and the family: a challenge of the new millennium. Ham RJ. **Adv Exp Med Biol** 1990;282:3–20 (21 ref.)
Changes in memory processes of dementia patients. Zandi T. **Adv Exp Med Biol** 1990;282:89–100 (57 ref.)
Psychological difficulties of caring for dementia patients: the role of support groups. Zandi T. **Adv Exp Med Biol** 1990; 282:113–20 (51 ref.)
The social psychiatry of later life [see comments] Henderson AS. **Br J Psychiatry** 1990 May;156:645–53 (90 ref.) Comment in: Br J Psychiatry 1990 Aug;157:302.

RADIOGRAPHY

Cranial computerised tomography in dementia of the Alzheimer type. Burns A. **Br J Psychiatry Suppl** 1990; (9):10–5 (50 ref.)
Neuroimaging in Alzheimer's disease. Albert MS, et al. **Psychiatr Clin North Am** 1991 Jun;14(2):443–59 (95 ref.)

RADIONUCLIDE IMAGING

The investigation of dementia with single photon emission tomography. Buell U, et al. **Nucl Med Commun** 1990 Dec; 11(12):823–41 (81 ref.)
Single photon tomography in Alzheimer's disease and the dementias. Bonte FJ, et al. **Semin Nucl Med** 1990 Oct; 20(4):342–52 (42 ref.)

SURGERY

Grafts and growth factors in CNS. Basic science with clinical promise. Olson L. **Stereotact Funct Neurosurg** 1990; 54–55:250–67 (51 ref.)

THERAPY

Role of support group for the family caregiver of dementia: recent developments in the structure of the support system. Vickers AB. **Adv Exp Med Biol** 1990;282:141–7 (25 ref.)
Treatment of Alzheimer's disease. Molecular pathology versus neurotransmitter-based therapy. Bowen DM. **Br J Psychiatry** 1990 Sep;157:327–30 (21 ref.)
Assessment of outcome in clinical trials in Alzheimer's disease. Snowden JS. **Neuroepidemiology** 1990;9(4):216–22 (11 ref.)
Management of patients with Alzheimer's disease. Odenheimer GL. **Pharmacotherapy** 1991;11(3):237–41 (30 ref.)
Family counseling and legal issues in Alzheimer's disease. Levine J, et al. **Psychiatr Clin North Am** 1991 Jun; 14(2):385–96 (39 ref.)
Rationale for the planned clinical trials with nerve growth factor in Alzheimer's disease. Hefti F, et al. **Psychiatr Dev** 1989 Winter;7(4):297–315 (118 ref.)
[Immunological aspects of the treatment of various forms of Alzheimer's disease] Leszek J, et al. **Psychiatr Pol** 1989 Sep–Dec;23(5–6):373–8 (40 ref.) **(Pol)**

AMANTADINE

THERAPEUTIC USE

Amantadine hydrochloride: current and new uses [see comments] de Roin S, et al. **J Neurosci Nurs** 1990 Oct; 22(5):322–5 (13 ref.) Comment in: J Neurosci Nurs 1990 Dec;22(6):338.

AMAPARI VIRUS see **HEMORRHAGIC FEVER VIRUSES, AMERICAN**

AMAUROSIS see **BLINDNESS**

AMAUROTIC FAMILIAL IDIOCY see **LIPOIDOSIS**

AMBIDEXTERITY see **LATERALITY**

AMBLYOPIA

CHEMICALLY INDUCED

The anatomical basis of the caecocentral scotoma. New observations and a review. Plant GT, et al. **Brain** 1990 Oct;113 (Pt 5):1441–57 (60 ref.)

DIAGNOSIS

From visual acuity to hyperacuity: a 10-year update. Gwiazda J, et al. **Can J Psychol** 1989 Jun;43(2):109–20 (53 ref.)

PREVENTION & CONTROL

[Anisocoria: a suspicious sign of anisotropy and/or amblyopia] González de Aledo Linos A. **An Esp Pediatr** 1991 Jan;34(1):9–14 (22 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

[Treatment of amblyopia] von Noorden GK. **Fortschr Ophthalmol** 1990;87 Suppl:S149–54 (44 ref.) (Eng. Abstr.) **(Ger)**

AMBROXOL

THERAPEUTIC USE

[Respiratory distress syndrome in premature births] Grio R, et al. **Minerva Ginecol** 1990 Nov;42(11):443–5 (18 ref.) (Eng. Abstr.) **(Ita)**

AMBULANCES

Pediatric transport issues in emergency medicine. McCloskey KA, et al. **Emerg Med Clin North Am** 1991 Aug;9(3):475–89 (30 ref.)

AMBULATORY CARE

Ambulatory blood pressure monitoring in the evaluation of drug efficacy. O'Brien E, et al. **Am Heart J** 1991 Mar;121(3 (Pt 2)):999–1006 (45 ref.)
Fibromyalgia--which is the best treatment? A personalized, comprehensive, ambulatory, patient-involved management programme. Masi AT, et al. **Baillieres Clin Rheumatol** 1991 Aug;4(2):333–70 (15 ref.)
What do you do when the blood pressure is up? An approach to the known hypertensive who has an elevated blood pressure. Schiff RL, et al. **J Gen Intern Med** 1991 Jan–Feb; 6(1):71–6 (48 ref.)
Outpatient management of burns in children. Schonfeld N. **Pediatr Emerg Care** 1990 Sep;6(3):249–53 (36 ref.)
[Morbidity among mothers and infants after ambulatory deliveries] Kierkegaard O. **Ugeskr Laeger** 1991 Jul 29; 153(31):2170–2 (27 ref.) (Eng. Abstr.) **(Dan)**
[Ambulatory angiography] Teifke A, et al. **Fortschr Med** 1991 Jun 10;109(17):357–9; discussion 359–60 (15 ref.) (Eng. Abstr.) **(Ger)**

LEGISLATION & JURISPRUDENCE

Expanded liability of hospitals for the negligence of fatigued residents. McNoble DJ. **J Leg Med** 1990 Dec;11(4):427–49 (77 ref.)

ORGANIZATION & ADMINISTRATION

Status report on ambulatory care and education in the VA Western Region and western medical schools. Robbins AS, et al. **Acad Med** 1991 Sep;66(9):506–10 (2 ref.)

STANDARDS

Variance components and their implications for statistical information in medical data. Orav EJ, et al. **Stat Med** 1991 Apr;10(4):599–616 (29 ref.)

AMBULATORY CARE FACILITIES

Travel medicine and travel clinics. Wolfe MS. **Infect Dis Clin North Am** 1991 Jun;5(2):377–91 (33 ref.)
What do you do when the blood pressure is up? An approach to the known hypertensive who has an elevated blood pressure. Schiff RL, et al. **J Gen Intern Med** 1991 Jan–Feb; 6(1):71–6 (48 ref.)

ORGANIZATION & ADMINISTRATION

Occupational health services in non-industrial settings in the US: a review. Teichman RF, et al. **Public Health Rev** 1989–90;17(1):51–68 (43 ref.)
[The multidisciplinary outpatient pain clinic in relation to anesthesia. An important task for the anesthesiologist] Morawetz RF, et al. **Anaesthesist** 1990 Oct;39(10):456–62 (45 ref.) (Eng. Abstr.) **(Ger)**

STATISTICS & NUMERICAL DATA

Transmission of infectious diseases in outpatient health care settings. Goodman RA, et al. **JAMA** 1991 May 8; 265(18):2377–81 (61 ref.)

AMBULATORY CARE FACILITIES, HOSPITAL see **OUTPATIENT CLINICS, HOSPITAL**

AMBULATORY CARE INFORMATION SYSTEMS

Computer application in a general practice. Lim PH, et al. **Ann Acad Med Singapore** 1990 Sep;19(5):736–40 (14 ref.)

AMBULATORY ELECTROCARDIOGRAPHY see **ELECTROCARDIOGRAPHY, AMBULATORY**

AMBULATORY SURGERY

Preoperative examination and criteria for office-based surgery. Dailey JM. **Clin Podiatr Med Surg** 1991 Jan; 8(1):203–19 (24 ref.)

[Requirements for ambulatory operations from the point of view of hygienists] Gundermann KO. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):201–5 (4 ref.) (Eng. Abstr.) **(Ger)**

NURSING

Ambulatory surgery and prepared discharges. Effects on orthopedic patients and nursing practice. Connolly ML. **Nurs Clin North Am** 1991 Mar;26(1):105–12 (20 ref.)

PSYCHOLOGY

Anesthetic considerations for pediatric podiatric surgery. Goode JG. **J Foot Surg** 1990 Sep–Oct;29(5):413–6 (40 ref.)

AMCHA see **TRANEXAMIC ACID**

AMEBA see **AMOEBA**

AMEBIASIS

Acanthamoeba keratitis. Larkin DF. **Int Ophthalmol Clin** 1991 Spring;31(2):163–72 (57 ref.)

Infection of the central nervous system due to Acanthamoeba. Martinez AJ. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 5:S399–402 (44 ref.)

[Free-living amoebae of the Naegleria and Acanthamoeba genus] Kranjčić-Zec I. **Srp Arh Celok Lek** 1990 Jul–Aug; 118(7–8):307–11 (22 ref.) (Eng. Abstr.) **(Scc)**

COMPLICATIONS

[Tuberculous peritonitis. Description of 2 cases associated with another infection and literature review] Arend P, et al. **Acta Gastroenterol Belg** 1990 May–Jun;53(3):307–14 (18 ref.) (Eng. Abstr.) **(Fre)**

EPIDEMIOLOGY

Epidemiology of free-living ameba infections. Visvesvara GS, et al. **J Protozool** 1990 Jul–Aug;37(4):25S–33S (78 ref.)

ETIOLOGY

Leptomyxid ameba, a new agent of amebic meningoencephalitis in humans and animals. Visvesvara GS, et al. **J Clin Microbiol** 1990 Dec;28(12):2750–6 (29 ref.)

IMMUNOLOGY

Free-living amoebae: pathogenicity and immunity. Ferrante A. **Parasite Immunol** 1991 Jan;13(1):31–47 (93 ref.)

PARASITOLOGY

[Intestinal parasitosis in pregnancy] Piacentino R, et al. **Minerva Ginecol** 1991 Mar;43(3):65–9 (20 ref.) (Eng. Abstr.) **(Ita)**

AMEBIASIS, HEPATIC see **LIVER ABSCESS, AMEBIC**

AMEBOMA see **AMEBIASIS**

AMELIA see **ECTROMELIA**

AMELOBLASTOMA

Peripheral ameloblastoma of the gingiva. A case report. Mintz S, et al. **J Periodontol** 1990 Oct;61(10):649–52 (38 ref.)

PATHOLOGY

Desmoplastic variant of ameloblastoma: report of a case and review of the literature. Yoshimura Y, et al. **J Oral Maxillofac Surg** 1990 Nov;48(11):1231–5 (9 ref.)

Peripheral ameloblastoma with clear cell differentiation. Ng KH, et al. **Oral Surg Oral Med Oral Pathol** 1990 Aug; 70(2):210–3 (24 ref.)

RADIOTHERAPY

Ameloblastoma of the jaw. Treatment with radiation therapy and a case report. Miyamoto CT, et al. **Am J Clin Oncol** 1991 Jun;14(3):225–30 (54 ref.)

SECONDARY

Ameloblastic carcinoma of the maxilla metastatic to the mandible. Case report. Lee L, et al. **J Craniomaxillofac Surg** 1990 Aug;18(6):247–50 (14 ref.)

AMELOBLASTS

PHYSIOLOGY

Patterned distribution of differentiating dental cells: facts and hypotheses. Ruch JV. **J Biol Buccale** 1990 Jun;18(2):91–8 (47 ref.)

AMELOGENESIS

GENETICS

Molecular determinants of tooth development: a review. Slavkin HC. **Crit Rev Oral Biol Med** 1990;1(1):1–16 (115 ref.)

AMENORRHEA

The hazards of amenorrhoea. Eden JA. **Med J Aust** 1991 Apr 15;154(8):536, 540–2 (14 ref.)

CHEMICALLY INDUCED

[Effects of adjuvant chemotherapy of breast cancer on gonadal function] Müller H. **Zentralbl Gynakol** 1990; 112(13):795–801 (31 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Are high-performance young women athletes doomed to become low-performance old wives? A reconsideration of the increased risk of osteoporosis in amenorrheic women. De Cree C, et al. **J Sports Med Phys Fitness** 1991 Mar; 31(1):108–14 (30 ref.)

DIAGNOSIS

Management of amenorrhea and associated disorders. Kletzky OA, et al. **Curr Opin Obstet Gynecol** 1990 Jun; 2(3):386–91 (8 ref.)

Dysfunctional uterine bleeding and amenorrhea. Differential diagnosis and management. Clark-Coller T. **J Nurse Midwifery** 1991 Jan–Feb;36(1):49–62 (21 ref.)

DRUG THERAPY

[The role of pulsatile LHRH therapy in women: the treatment of delayed puberty and of hypothalamic amenorrhea] Giusti M, et al. **Recenti Prog Med** 1990 Nov;81(11):724–32 (63 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Neuroendocrine correlates of stress-related amenorrhea. Genazzani AR, et al. **Ann N Y Acad Sci** 1991;626:125–9 (39 ref.)

Disorders of the hypothalamic pulse generator: insufficient or inappropriate gonadotropin-releasing hormone release. Casper RF. **Clin Obstet Gynecol** 1990 Sep;33(3):611–21 (57 ref.)

Menstrual function and luteal-phase deficiency in relation to weight changes and dieting. Schweiger U. **Clin Obstet Gynecol** 1991 Mar;34(1):191–7 (20 ref.)

Amenorrhea. Doody KM, et al. **Obstet Gynecol Clin North Am** 1990 Jun;17(2):361–87 (88 ref.)

Amenorrhea, osteopenia, and the female athlete. White CM, et al. **Pediatr Clin North Am** 1990 Oct;37(5).1125–41 (104 ref.)

[Hypergonadotropic amenorrhea] Khdaïb F, et al. **Akush Ginekol (Mosk)** 1991 Jan;(1):9–12 (65 ref.) **(Rus)**

PHYSIOPATHOLOGY

[Menstrual cycle, opioids and hypothalamic amenorrhea: from physiology to pathology] Krause B, et al. **Zentralbl Gynakol** 1990;112(12):725–33 (0 ref.) (Eng. Abstr.) **(Ger)**

AMERICAN HEART ASSOCIATION

ACC/AHA guidelines for the clinical application of echocardiography. A report of the American College of Cardiology/American Heart Association Task Force on Assessment of Diagnostic and Therapeutic Cardiovascular Procedures (Subcommittee to Develop Guidelines for the Clinical Application of Echocardiography). **Circulation** 1990 Dec;82(6):2323–45 (199 ref.)

Cardiac positron emission tomography. A report for health professionals from the Committee on Advanced Cardiac Imaging and Technology of the Council on Clinical Cardiology, American Heart Association. Bonow RO, et al. **Circulation** 1991 Jul;84(1):447–54 (56 ref.)

AMERICAN MEDICAL ASSOCIATION

Assessing disability from occupational asthma. A perspective on the AMA guides. Harber P. **Chest** 1990 Nov;98(5 Suppl):232S–235S (6 ref.)

AMERINDS, NORTH AMERICAN see **INDIANS, NORTH AMERICAN**

AMETHOPTERIN see **METHOTREXATE**

AMETROPIA see **REFRACTIVE ERRORS**

AMIDES

Ropivacaine: a new local anaesthetic agent. Marsh CR, et al. **Br J Hosp Med** 1991 Feb;45(2):94–5 (5 ref.)

CHEMISTRY

Bacterial lipids containing amino acids or peptides linked by amide bonds. Asselineau J. **Fortschr Chem Org Naturst** 1991;56:1–85 (223 ref.)

AMIDONE see **METHADONE**

AMIKACIN

ADMINISTRATION & DOSAGE

Pharmacokinetic evaluation of single daily dose amikacin. Van der Auwera P. **J Antimicrob Chemother** 1991 May;27 Suppl C:63–71 (25 ref.)

AMILORIDE

PHARMACOLOGY

The amiloride-blockable sodium channel of epithelial tissue. Eaton DC, et al. **Ion Channels** 1988;1:251–82 (76 ref.)

AMINE OXIDOREDUCTASES

BLOOD

6-Hydroxydopa: the redox cofactor in plasma amine oxidase. **Nutr Rev** 1991 Mar;49(3):92–5 (18 ref.)

METABOLISM

Status of the cofactor identity in copper oxidative enzymes. Klinman JP, et al. **FEBS Lett** 1991 Apr 22;282(1):1–4 (36 ref.)

AMINES

ANALYSIS

Formation of heterocyclic amines during meat extract processing and cooking. Aeschbacher HU. **Adv Exp Med Biol** 1991;289:107–13 (23 ref.)

Quantitative structure-activity relationships of heterocyclic amine mutagens formed during the cooking of food. Hatch FT, et al. **Environ Mol Mutagen** 1991;17(1):4–19 (90 ref.)

CHEMISTRY

Formation of heterocyclic amines using model systems. Jägerstad M, et al. **Mutat Res** 1991 Mar–Apr; 259(3–4):219–33 (74 ref.)

[The decomposition of reducing sugars and amines in the Maillard reaction] Ledl F. **Z Ernahrungswiss** 1991 Feb; 30(1):4–17 (94 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Nucleophilic reactions of sorbic acid. Khandelwal GD, et al. **Food Addit Contam** 1990 Sep–Oct;7(5):685–94 (21 ref.)

PHARMACOKINETICS

Acetylation. Weber WW. **Birth Defects** 1990;26(1):43–65 (120 ref.)

Metabolism and biodisposition of heterocyclic amines. Turesky RJ. **Prog Clin Biol Res** 1990;347:39–53 (55 ref.)

PHARMACOLOGY

The interaction of monoamine oxidases with tertiary amines. Singer TP, et al. **Biochem Soc Trans** 1991 Feb;19(1):211–5 (19 ref.)

Immunotoxin enhancers. Casellas P, et al. **Cancer Treat Res** 1988;37:351–69 (51 ref.)

TOXICITY

Heterocyclic amines: new mutagens and carcinogens in cooked foods. Sugimura T, et al. **Adv Exp Med Biol** 1991; 283:569–78 (74 ref.)

Organic acids and bases: review of toxicological studies. Leung HW, et al. **Am J Ind Med** 1990;18(6):717–35 (98 ref.)

Role of genotoxic and nongenotoxic effects in multistage carcinogenicity of aromatic amines. Neumann HG, et al. **Environ Health Perspect** 1990 Aug;88:207–11 (18 ref.)

Mammalian cell mutagenicity and metabolism of heterocyclic aromatic amines. Aeschbacher HU, et al. **Mutat Res** 1991 Mar–Apr;259(3–4):235–50 (151 ref.)

Occurrence, identification, and bacterial mutagenicity of heterocyclic amines in cooked food. Felton JS, et al. **Mutat Res** 1991 Mar–Apr;259(3–4):205–17 (52 ref.)

Carcinogenicities of heterocyclic amines in cooked food. Ohgaki H, et al. **Mutat Res** 1991 Mar–Apr; 259(3–4):399–410 (44 ref.)

AMINES, BIOGENIC see **BIOGENIC AMINES**

AMINES, SYMPATHOMIMETIC see SYMPATHOMIMETICS

AMINO ACID ACTIVATING ENZYMES see AMINO ACYL T RNA SYNTHETASES

AMINO ACID ACTIVATION

see related
AMINO ACYL T RNA SYNTHETASES

The accuracy of aminoacylation--ensuring the fidelity of the genetic code. Söll D. **Experientia** 1990 Dec 1; 46(11-12):1089-96 (63 ref.)

PHYSIOLOGY

[High-molecular-weight complexes of amino acyl T RNA synthetases] Berbeć H. **Postepy Biochem** 1990; 36(3-4):41-52 (135 ref.) **(Pol)**

AMINO ACID ISOMERASES

METABOLISM

Peptidyl-prolyl cis-trans isomerases, cyclophilin, FK506-binding protein, and ninaA: four of a kind. Stamnes MA, et al. **Curr Opin Cell Biol** 1990 Dec;2(6):1104-7 (13 ref.)

PHYSIOLOGY

When worlds collide: immunosuppressants meet protein phosphatases. McKeon F. **Cell** 1991 Sep 6;66(5):823-6 (28 ref.)

Chemistry and biology of the immunophilins and their immunosuppressive ligands. Schreiber SL. **Science** 1991 Jan 18;251(4991):283-7 (57 ref.)

AMINO ACID METABOLISM, INBORN ERRORS

Review: Normal and abnormal central nervous system GABA metabolism in childhood. Jaeken J, et al. **J Inherit Metab Dis** 1990;13(6):793-801 (41 ref.)

DIAGNOSIS

Value of neuroimaging in metabolic diseases affecting the CNS [comment] Naidu S, et al. **AJNR Am J Neuroradiol** 1991 May-Jun;12(3):413-6 (39 ref.) Comment on: AJNR Am J Neuroradiol 1991 May-Jun;12(3):403-6. Comment on: AJNR Am J Neuroradiol 1991 May-Jun;12(3):407-9. Comment on: AJNR Am J Neuroradiol 1991 May-Jun;12(3):410-2.

Screening for inborn errors of amino acid metabolism. Wu JT. **Ann Clin Lab Sci** 1991 Mar-Apr;21(2):123-42 (29 ref.)

[Late diagnosis of congenital argininemia during administration of sodium valproate] Christmann D, et al. **Rev Neurol (Paris)** 1990;146(12):764-6 (20 ref.) (Eng. Abstr.) **(Fre)**

[Ultrasound, computed tomography and magnetic resonance tomography in a child with macrocephaly and glutaric aciduria type I] Doringer E, et al. **ROFO** 1990 Dec; 153(6):683-7 (22 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

[Inborn errors of lysine metabolism] Divry P, et al. **Ann Biol Clin (Paris)** 1991;49(1):27-35 (97 ref.) (Eng. Abstr.) **(Fre)**

D-AMINO ACID OXIDASE

PHYSIOLOGY

[Physiological role of D-amino-acid oxidase] Konno R, et al. **Tanpakushitsu Kakusan Koso** 1991 Jan;36(1):54-62 (67 ref.) **(Jpn)**

AMINO ACID OXIDOREDUCTASES

BIOSYNTHESIS

Inhibition of the induction of nitric oxide synthase by glucocorticoids: yet another explanation for their anti-inflammatory effects? Moncada S, et al. **Trends Pharmacol Sci** 1991 Apr;12(4):130-1 (6 ref.)

METABOLISM

Biochemistry and biotechnology of amino acid dehydrogenases. Ohshima T, et al. **Adv Biochem Eng Biotechnol** 1990;42:187-209 (135 ref.)

N5-(1-carboxyethyl)ornithine and related [N-carboxyalkyl]-amino acids: structure, biosynthesis, and function. Thompson J, et al. **Adv Enzymol Relat Areas Mol Biol** 1991;64:317-99 (304 ref.)

Nitric oxide as a neuronal messenger. Snyder SH, et al. **Trends Pharmacol Sci** 1991 Apr;12(4):125-8 (30 ref.)

AMINO ACID SEQUENCE

Statistical methods and insights for protein and DNA sequences. Karlin S, et al. **Annu Rev Biophys Biophys Chem** 1991;20:175-203 (103 ref.)

Proteins containing unusual amino acid sequences. Ambler RP. **Biochem Soc Trans** 1991 Apr;19(2):517-22 (56 ref.)

Proteins of unusual sequence composition from the malarial parasite Plasmodium falciparum. Ridley RG. **Biochem Soc Trans** 1991 Apr;19(2):525-8 (17 ref.)

The protein structure code: what is its present status? Garnier J, et al. **Comput Appl Biosci** 1991 Apr;7(2):133-42 (67 ref.)

Computer analysis of DNA and protein sequences. von Heijne G. **Eur J Biochem** 1991 Jul 15;199(2):253-6 (44 ref.)

Protein sequence comparison: methods and significance. Argos P, et al. **Protein Eng** 1991 Apr;4(4):375-83 (51 ref.)

AMINO ACIDS

Amino acid dialysate. Goodship TH, et al. **Contrib Nephrol** 1990;85:84-91 (21 ref.)

Transduction mechanisms for the taste of amino acids. Brand JG, et al. **Physiol Behav** 1991 May;49(5):899-904 (26 ref.)

The effect of amino acids on ischemic and toxic injury to the kidney. Weinberg JM. **Semin Nephrol** 1990 Sep; 10(5):491-500 (120 ref.)

Amino acids in surgical nutrition. Principles and practice. Dudrick PS, et al. **Surg Clin North Am** 1991 Jun; 71(3):459-76 (63 ref.)

ADMINISTRATION & DOSAGE

Amino acids and proteins in relation to the nutrition of elderly people. Young VR. **Age Ageing** 1990 Jul; 19(4):S10-24 (94 ref.)

Possible role of dietary proteins and amino acids in atherosclerosis. Sidransky H. **Ann N Y Acad Sci** 1990; 598:464-81 (162 ref.)

Soy protein in relation to human protein and amino acid nutrition. Young VR. **J Am Diet Assoc** 1991 Jul; 91(7):828-35 (51 ref.)

ADVERSE EFFECTS

Dietary amino acid-induced systemic lupus erythematosus. Montanaro A, et al. **Rheum Dis Clin North Am** 1991 May; 17(2):323-32 (28 ref.)

ANALYSIS

Amino acid ratings of different forms of infant formulas based on varying degrees of processing. Sarwar G. **Adv Exp Med Biol** 1991;289:389-402 (17 ref.)

Proteins containing unusual amino acid sequences. Ambler RP. **Biochem Soc Trans** 1991 Apr;19(2):517-22 (56 ref.)

Myosin light chains and troponin C: structural and evolutionary relationships revealed by amino acid sequence comparisons. Collins JH. **J Muscle Res Cell Motil** 1991 Feb;12(1):3-25 (133 ref.)

Amino acid measurement by high-performance liquid chromatography using electrochemical detection. Sherwood RA. **J Neurosci Methods** 1990 Sep;34(1-3):17-22 (16 ref.)

Liquid chromatographic analysis of amino acids in physiological fluids: recent advances. Ersser RS, et al. **Med Lab Sci** 1991 Jan;48(1):59-71 (28 ref.)

BIOSYNTHESIS

New developments in the chemo-enzymatic production of amino acids. Kamphuis J, et al. **Adv Biochem Eng Biotechnol** 1990;42:133-86 (140 ref.)

Ribonucleic acids may be catalysts for the preferential synthesis of L-amino acid peptides: a minireview. Lacey JC Jr, et al. **J Mol Evol** 1990 Sep;31(3):244-8 (22 ref.)

Multiplicity of regulatory mechanisms controlling amino acid biosynthesis in Saccharomyces cerevisiae. Messenguy F. **Microbiol Sci** 1987 May;4(5):150-3 (23 ref.)

Enzyme specialization during the evolution of amino acid biosynthetic pathways. Parsot C, et al. **Microbiol Sci** 1987 Sep;4(9):258, 260-2 (28 ref.)

BLOOD

Physical and mental fatigue: do changes in plasma amino acids play a role? Newsholme EA, et al. **Biochem Soc Trans** 1991 Apr;19(2):358-62 (21 ref.)

[Collection and processing of blood samples for amino acid assays] Cynober L, et al. **Ann Biol Clin (Paris)** 1990; 48(10):713-6 (34 ref.) (Eng. Abstr.) **(Fre)**

[The effect of hemofiltration on the amino acid content of the blood plasma in acute kidney failure] Timokhov VS, et al. **Ter Arkh** 1991;63(4):156-8 (40 ref.) **(Rus)**

CHEMISTRY

Consensus sequence for processing of peptide precursors at monobasic sites. Devi L. **FEBS Lett** 1991 Mar 25; 280(2):189-94 (47 ref.)

Bacterial lipids containing amino acids or peptides linked by amide bonds. Asselineau J. **Fortschr Chem Org Naturst** 1991;56:1-85 (223 ref.)

Interactions between proteins, peptides and amino acids. New advances 1986-1989. Cserháti T, et al. **Nahrung** 1990; 34(9):803-10 (89 ref.)

[Methodological errors in amino acid assay in biological fluids] Parvy P, et al. **Ann Biol Clin (Paris)** 1991;49(3):180-2 (10 ref.) (Eng. Abstr.) **(Fre)**

[Use of mass spectrometry for the analysis of protein sequence] Hetper J, et al. **Postepy Biochem** 1989; 35(4):609-21 (28 ref.) **(Pol)**

DIAGNOSTIC USE

Use of amino acid clamps to investigate the role of insulin in regulating protein breakdown in vivo. Flakoll PJ, et al. **JPEN J Parenter Enteral Nutr** 1991 May-Jun; 15(3):81S-85S (35 ref.)

GENETICS

[Use of monoclonal antibodies for studying cytochrome P-450 forms. Use of interspecies homology of amino acid sequence] Brauze D, et al. **Folia Med Cracov** 1990; 31(3):121-30 (30 ref.) (Eng. Abstr.) **(Pol)**

ISOLATION & PURIFICATION

Recent advances in capillary electrophoresis of proteins, peptides and amino acids. Novotny MV, et al. **Electrophoresis** 1990 Sep;11(9):735-49 (81 ref.)

Amino acid side chain interaction with chelate-liganded crosslinked dextran, agarose and TSK gel. A mini review of recent work. Porath J. **J Mol Recognit** 1990 Jun; 3(3):123-7 (33 ref.)

METABOLISM

N5-(1-carboxyethyl)ornithine and related [N-carboxyalkyl]-amino acids: structure, biosynthesis, and function. Thompson J, et al. **Adv Enzymol Relat Areas Mol Biol** 1991;64:317-99 (304 ref.)

Intracellular messengers associated with excitatory amino acid (EAA) receptors. Bockaert J, et al. **Adv Exp Med Biol** 1990;268:79-91 (45 ref.)

Amino acid metabolism in helminths. Barrett J. **Adv Parasitol** 1991;30:39-105 (452 ref.)

Protein turnover and amino acid metabolism in human skeletal muscle. Smith K, et al. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):461-98 (185 ref.)

Transport of amino acids in muscle, gut and liver: relevance to metabolic control. Rennie MJ, et al. **Biochem Soc Trans** 1990 Dec;18(6):1140-2 (35 ref.)

Transport of amino acids and nucleosides in the placenta. Yudilevich DL, et al. **Biochem Soc Trans** 1990 Dec; 18(6):1136-40 (30 ref.)

Abnormalities in amino acid metabolism in chronic renal failure. Tizianello A, et al. **Contrib Nephrol** 1990;81:169-80 (24 ref.)

Effects of exaggerated amino acid and protein supply in man. Fern EB, et al. **Experientia** 1991 Feb 15;47(2):168-72 (16 ref.)

Intestinal amino acid transport: an overview. Argiles JM, et al. **Int J Biochem** 1990;22(9):931-7 (54 ref.)

Interaction of phospholipids with proteins, peptides and amino acids. New advances 1987-1989. Cserháti T, et al. **Int J Biochem** 1991;23(2):131-45 (218 ref.)

Intestinal absorption of protein hydrolysis products: a review. Webb KE Jr. **J Anim Sci** 1990 Sep;68(9):3011-22 (135 ref.)

Can whole-body proteolysis be zero? **Nutr Rev** 1990 Oct; 48(10):380-2 (13 ref.)

Maintenance protein requirements: the need for conceptual re-evaluation. Millward DJ, et al. **Proc Nutr Soc** 1990 Oct; 49(3):473-87 (22 ref.)

Amino acid needs and protein scoring patterns. Reeds PJ. **Proc Nutr Soc** 1990 Oct;49(3):489-97 (29 ref.)

Molecular mechanisms involved in the regulation of amino acid transport. Cheeseman CI. **Prog Biophys Mol Biol** 1991; 55(2):71-84 (81 ref.)

Excitatory amino acid receptors of cerebellar Purkinje cells: development and plasticity. Crepel F, et al. **Prog Biophys Mol Biol** 1991;55(1):31-46 (93 ref.)

Amino acid metabolism in the kidney. Kuhlmann MK, et al. **Semin Nephrol** 1990 Sep;10(5):445-57 (100 ref.)

Transplacental amino acid transfer and its study using positron emission tomography. A short review based on a doctoral thesis. Berglund L. **Ups J Med Sci** 1990; 95(2):95-115 (65 ref.)

Protein and amino acid nutrition of lactating dairy cattle. Chalupa W, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):353-72 (50 ref.)

[Parenteral feeding. Amino acids] Schmitz JE, et al. **Klin Anasthesiol Intensivther** 1990;40:52-72 (42 ref.) **(Ger)**

[Neurochemistry of the mesencephalic substantia nigra: interrelations between excitatory amino acids, N-methyl-D-aspartate type receptors and intrinsic neuronal systems] Bustos G, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):59-64 (41 ref.) (Eng. Abstr.) **(Spa)**

PHARMACOLOGY

Mechanisms of excitatory amino acid neurotoxicity in rat brain slices. Garthwaite J, et al. **Adv Exp Med Biol** 1990; 268:505-18 (65 ref.)

Protection by natural and semisynthetic gangliosides from Ca2(+)-dependent neurotoxicity caused by excitatory amino acid (EAA) neurotransmitters. Guidotti A, et al. **Adv Exp Med Biol** 1990;268:135-44 (23 ref.)

Mechanisms underlying excitatory amino acid-evoked calcium entry in cultured neurons from the embryonic rat spinal cord. MacDermott AB, et al. **Adv Exp Med Biol**

1990;268:117–24 (46 ref.)
Regulation of GABAA currents by excitatory amino acids. Stelzer A. **Adv Exp Med Biol** 1990;268:255–63 (23 ref.)
Alternate use of amino acid and glucose solutions in CAPD. A review. Pedersen FB. **Contrib Nephrol** 1991;89:147–54 (24 ref.)
NPC 12626, a novel, competitive NMDA antagonist: pharmacological and toxicological profile. Ferkany JW, et al. **Prog Clin Biol Res** 1990;361:525–32 (10 ref.)

PHYSIOLOGY

Trophic effects of excitatory amino acids in the developing nervous system. Balázs R, et al. **Adv Exp Med Biol** 1990; 268:221–8 (46 ref.)
Stimulation of phosphoinositide turnover by excitatory amino acids. Pharmacology, development, and role in visual cortical plasticity. Bear MF, et al. **Ann N Y Acad Sci** 1991; 627:42–56 (68 ref.)
Amino acids as volume–regulatory osmolytes in mammalian cells. Law RO. **Comp Biochem Physiol A** 1991;99(3):263–77 (59 ref.)
Excitatory amino acid transmitters and their receptors in neural circuits of the cerebral neocortex. Tsumoto T. **Neurosci Res** 1990 Nov;9(2):79–102 (208 ref.)
Excitatory amino acids in the developing brain: ontogeny, plasticity, and excitotoxicity. Hattori H, et al. **Pediatr Neurol** 1990 Jul–Aug;6(4):219–28 (100 ref.)
Excitatory amino acid neurotoxicity and neurodegenerative disease. Meldrum B, et al. **Trends Pharmacol Sci** 1990 Sep; 11(9):379–87 (49 ref.)
[Synaptic mechanisms of excitatory amino acids and NMDA receptor mediated brain excitability] Yamamura T, et al. **Masui** 1990 Nov;39(11):1448–59 (39 ref.) (Eng. Abstr.) **(Jpn)**

STANDARDS

Formation, nutritional value, and safety of D–amino acids. Friedman M. **Adv Exp Med Biol** 1991;289:447–81 (138 ref.)

AMINO ACIDS, BRANCHED–CHAIN

PHYSIOLOGY

Role of branched–chain ketoacids in protein metabolism. Walser M. **Kidney Int** 1990 Oct;38(4):595–604 (134 ref.)

THERAPEUTIC USE

Branched chain amino acids in the treatment of hepatic encephalopathy. Rossi–Fanelli F. **Adv Exp Med Biol** 1990; 272:227–33 (34 ref.)
Branched chain amino acids in the management of chronic liver disease. Facts and fantasies [see comments] Morgan MY. **J Hepatol** 1990 Sep;11(2):133–41 (32 ref.) Comment in: J Hepatol 1991 Mar;12(2):267.
Nutritional and metabolic support of critically ill patients. Bower RH. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct; 14(5 Suppl):257S–259S (24 ref.)
Branched–chain–enriched amino acid solutions in patients with liver failure: an early example of nutritional pharmacology. Fischer JE. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):249S–256S (39 ref.)

AMINO ACIDS, ESSENTIAL

[Proteins and amino acids: features and fulfillment of requirements with Latin American diets] Torún B. **Arch Latinoam Nutr** 1988 Sep;38(3):483–505 (47 ref.) (Eng. Abstr.) **(Spa)**

AMINO ACIDS, SULFUR

PHYSIOLOGY

Ovothiols: biological and chemical perspectives. Shapiro BM, et al. **Adv Enzymol Relat Areas Mol Biol** 1991;64:291–316 (61 ref.)

AMINO ACYL T RNA SYNTHETASES

CHEMISTRY

Structural relationships and the classification of aminoacyl–tRNA synthetases. Burbaum JJ, et al. **J Biol Chem** 1991 Sep 15;266(26):16965–8 (94 ref.)

CLASSIFICATION

Classes of aminoacyl–tRNA synthetases and the establishment of the genetic code. Schimmel P. **Trends Biochem Sci** 1991 Jan;16(1):1–3 (25 ref.)

GENETICS

Inaccuracy and the recognition of tRNA. Rogers MJ, et al. **Prog Nucleic Acid Res Mol Biol** 1990;39:185–208 (75 ref.)
Mitochondrial aminoacyl–tRNA synthetases. Tzagoloff A, et al. **Prog Nucleic Acid Res Mol Biol** 1990;39:129–58 (121 ref.)

IMMUNOLOGY

Polymyositis, pulmonary fibrosis and autoantibodies to aminoacyl–tRNA synthetase enzymes. Marguerie C, et al. **Q J Med** 1990 Oct;77(282):1019–38 (69 ref.)

METABOLISM

The accuracy of aminoacylation—ensuring the fidelity of the genetic code. Söll D. **Experientia** 1990 Dec 1; 46(11–12):1089–96 (63 ref.)
Aminoacyl–tRNA synthetase family from prokaryotes and eukaryotes: structural domains and their implications. Mirande M. **Prog Nucleic Acid Res Mol Biol** 1991; 40:95–142 (306 ref.)
Recognition of tRNAs by aminoacyl–tRNA synthetases. Schulman LH. **Prog Nucleic Acid Res Mol Biol** 1991; 41:23–87 (205 ref.)
[High–molecular–weight complexes of amino acyl T RNA synthetases] Berbeć H. **Postepy Biochem** 1990; 36(3–4):41–52 (135 ref.) **(Pol)**

PHYSIOLOGY

Involvement of aminoacyl–tRNA synthetases and other proteins in group I and group II intron splicing. Lambowitz AM, et al. **Trends Biochem Sci** 1990 Nov;15(11):440–4 (35 ref.)
[Aminoacyl–tRNA synthetases (codases) and their noncanonical functions] Kiselev LL. **Mol Biol (Mosk)** 1990 Nov–Dec;24(6):1445–73 (126 ref.) (Eng. Abstr.) **(Rus)**

AMINO SUGARS

CHEMISTRY

Plagiarizing plants: amino sugars as a class of glycosidase inhibitors. Fleet GW, et al. **Ciba Found Symp** 1990; 154:112–22; discussion 122–5 (31 ref.)

AMINOACETIC ACID see **GLYCINE**

AMINOACRIDINES

TOXICITY

The genetic toxicology of acridines. Ferguson LR, et al. **Mutat Res** 1991 Sep;258(2):123–60 (178 ref.)

4–AMINOBENZOIC ACID

ANALOGS & DERIVATIVES

Photoplex. Lener ME. **Am Pharm** 1991 Jun;NS31(6):39–43 (20 ref.)

P–AMINOBENZOIC ACID see **4–AMINOBENZOIC ACID**

O–AMINOBENZOIC ACIDS see **ANTHRANILIC ACIDS**

AMINOBUTYRATE AMINOTRANSFERASE

ANTAGONISTS & INHIBITORS

Vigabatrin. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in epilepsy and disorders of motor control. Grant SM, et al. **Drugs** 1991 Jun;41(6):889–926 (159 ref.)

4–AMINOBUTYRIC ACID see **GABA**

AMINOCAPROIC ACIDS

Vigabatrin. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in epilepsy and disorders of motor control. Grant SM, et al. **Drugs** 1991 Jun;41(6):889–926 (159 ref.)
Silicone, fibrel, and collagen implantation for facial lines and wrinkles. Pollack SV. **J Dermatol Surg Oncol** 1990 Oct; 16(10):957–61 (16 ref.)

AMINOCAPROIC LACTAM see **CAPROLACTAM**

AMINOETHANOLS see **ETHANOLAMINES**

AMINOGLYCOSIDE ANTIBIOTICS see **ANTIBIOTICS, AMINOGLYCOSIDE**

AMINOHYDROLASES

GENETICS

The cyanase operon and cyanate metabolism. Anderson PM, et al. **FEMS Microbiol Rev** 1990 Dec;7(3–4):247–52 (40 ref.)

AMINOLEVULINIC ACID

METABOLISM

Transfer RNA and the formation of the heme and chlorophyll precursor, 5–aminolevulinic acid. O'Neill GP, et al. **Biofactors** 1990 Oct;2(4):227–35 (86 ref.)

AMINOLEVULINIC ACID SYNTHETASE

GENETICS

Molecular regulation of 5–aminolevulinate synthase. Diseases related to heme biosynthesis. May BK, et al. **Mol Biol Med** 1990 Oct;7(5):405–21 (63 ref.)

1–AMINONAPHTHALENE see **1–NAPHTHYLAMINE**

2–AMINO–5–PHOSPHONOPENTANOIC ACID see **2–AMINO–5–PHOSPHONOVALERATE**

2–AMINO–5–PHOSPHONOVALERATE

ANALOGS & DERIVATIVES

CGP 37849 and CGP 39551: novel competitive N–methyl–D–aspartate receptor antagonists with potent oral anticonvulsant activity. Fagg GE, et al. **Prog Clin Biol Res** 1990;361:421–7 (11 ref.)

2–AMINO–5–PHOSPHONOVALERIC ACID see **2–AMINO–5–PHOSPHONOVALERATE**

AMINOPHYLLINE

ADMINISTRATION & DOSAGE

[Individually–adjusted dosages of aminophylline in children with bronchial asthma] Paditz E, et al. **Kinderarztl Prax** 1990 Nov;58(11):567–74 (15 ref.) (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Clinical significance of the benzodiazepine–theophylline interaction. Bonfiglio MF, et al. **Pharmacotherapy** 1991; 11(1):85–7 (30 ref.)

AMINOPROPANOLS see **PROPANOLAMINES**

AMINOPROPIONITRILE

see related
LATHYRISM

3–AMINOPROPYLENE see **ALLYLAMINE**

AMINOPYRINE N–DEMETHYLASE

METABOLISM

[Structure and effects of benzodiazepines on hepatic microsomal monooxygenases in rats exposed to environmental temperature] Pachecka J, et al. **Folia Med Cracov** 1990;31(3):217–24 (8 ref.) (Eng. Abstr.) **(Pol)**

AMINOQUINOLINES

PHARMACOLOGY

The resistance of falciparum malaria in Africa to 4–aminoquinolines and antifolates. Schapira A. **Scand J Infect Dis Suppl** 1990;75:1–64 (182 ref.)

AMINOSALICYLIC ACIDS

ADMINISTRATION & DOSAGE

5–ASA enema therapy. Hanauer SB. **Neth J Med** 1989 Jun; 35 Suppl 1:S11–20 (48 ref.)

THERAPEUTIC USE

Mesalamine in ulcerative colitis. Fitzgerald JM, et al. **DICP** 1991 Feb;25(2):140–5 (68 ref.)
Risk–benefit assessment of drugs used in the treatment of inflammatory bowel disease. Hanauer SB, et al. **Drug Saf** 1991 May–Jun;6(3):192–219 (264 ref.)
Olsalazine. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in inflammatory bowel disease. Wadworth AN, et al. **Drugs** 1991 Apr;41(4):647–64 (96 ref.)
Sulphasalazine and the aminosalicylates in the treatment of inflammatory bowel disease. Riley SA, et al. **Q J Med** 1990 Jun;75(278):551–62 (57 ref.)
[Drug therapy of chronic inflammatory intestinal diseases (see comments)] Raedler A, et al. **Immun Infekt** 1990 Aug; 18(4):121–6 (52 ref.) (Eng. Abstr.) Comment in: Immun Infekt 1990 Aug;18(4):109. **(Ger)**
[Aminosalicylates in the treatment of chronic inflammatory bowel diseases] Hartmann F, et al. **Internist (Berl)** 1990 Nov;31(11):702–6 (51 ref.) **(Ger)**
[New developments in therapy with 5–aminosalicylic acid preparations in ulcerative colitis and Crohn disease] Kruis W. **Z Gastroenterol Verh** 1991 Mar;26:154–6 (35 ref.) **(Ger)**
[New salicylic acid derivatives in the treatment of inflammatory intestinal diseases] Kovács A. **Orv Hetil** 1991 Jun 16;132(24):1317–21 (44 ref.) (Eng. Abstr.) **(Hun)**

AMINOTRANSFERASES

METABOLISM

[Methodologic and diagnostic aspects of the study of aminotransferase activity (review of the literature)] Titov VN, et al. **Lab Delo** 1990;(8):4–12 (50 ref.) **(Rus)**

AMIODARONE

ADVERSE EFFECTS

Thyroid disorders induced by lithium and amiodarone: an overview. Chow CC, et al.
Adverse Drug React Acute Poisoning Rev 1990 Winter; 9(4):207–22 (109 ref.)

Side effects from amiodarone. Wilson JS, et al.
Am Heart J 1991 Jan;121(1 (Pt 1)):158–71 (131 ref.)

Reversibility of blue–gray cutaneous discoloration from amiodarone. Blackshear JL, et al. **Mayo Clin Proc** 1991 Jul;66(7):721–6 (19 ref.)

Amiodarone pulmonary toxicity: morphologic and biochemical features. Reasor MJ, et al.
Proc Soc Exp Biol Med 1991 Jan;196(1):1–7 (73 ref.)

[Adverse and toxic reaction to amiodarone and its interaction with other drugs] Zhou ZB.
Chung Hua Nei Ko Tsa Chih 1990 Feb;29(2):72–5 (19 ref.) **(Chi)**

[Amiodarone–induced hepatitis: biological, histological diagnosis, development and role of associated factors. Review of the literature. Report of 2 cases] Roche JF, et al. **Rev Med Interne** 1989 Nov–Dec;10(6):497–501 (23 ref.) (Eng. Abstr.) **(Fre)**

[The role of oxidative stress, caused by amiodarone, in the side effects of the drug] Vereckei A, et al. **Orv Hetil** 1991 Mar 3;132(9):483–4, 487–8 (21 ref.) (Eng. Abstr.) **(Hun)**

[Possibilities of antioxidant therapy in the prevention of side effects of amiodarone] Vereckei A, et al. **Orv Hetil** 1991 Jun 9;132(23):1265–8 (19 ref.) (Eng. Abstr.) **(Hun)**

PHARMACOLOGY

[Amiodarone: new concepts on its anti–arrhythmic effect] Tamargo J, et al. **An Med Interna** 1990 Jan;7(1):42–50 (92 ref.) **(Spa)**

THERAPEUTIC USE

Hemodynamic profile of amiodarone during acute and long–term administration in patients with ventricular dysfunction. Remme WJ, et al. **Cardioscience** 1990 Sep; 1(3):169–76 (19 ref.)

Amiodarone in long term prophylaxis. Katritsis D, et al.
Drugs 1991;41 Suppl 2:54–66 (104 ref.)

The value of oral amiodarone in the treatment of ventricular arrhythmias in heart disease. Levy S. **Drugs** 1991;41 Suppl 2:47–53 (32 ref.)

Practical aspects of the use of amiodarone. Puech P.
Drugs 1991;41 Suppl 2:67–73 (30 ref.)

[Amiodarone—the current view of its therapeutic use] Penkov N, et al. **Vutr Boles** 1990;29(2):10–7 (0 ref.) **(Bul)**

AMITRIPTYLINE

BLOOD

[Blood levels of tricyclic antidepressants and their clinical effectiveness (review of the literature)] Chekalina ND.
Zh Nevropatol Psikhiatr 1991;91(5):116–22 (79 ref.) **(Rus)**

AMMOIDIN see **METHOXSALEN**

AMMONIA

BLOOD

Hyperammonemia induces brain tubulin. Miñana MD, et al.
Adv Exp Med Biol 1990;272:65–80 (30 ref.)

Effects of NH4+ on the function of the CNS. Raabe W.
Adv Exp Med Biol 1990;272:99–120 (51 ref.)

METABOLISM

Ammonia metabolism in normal and portacaval–shunted rats. Cooper AJ. **Adv Exp Med Biol** 1990;272:23–46 (126 ref.)

Role of ammonia in progressive interstitial nephritis. Clark EC, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):15–9 (51 ref.)

Increased ammoniagenesis as a determinant of progressive renal injury. Nath KA, et al. **Am J Kidney Dis** 1991 Jun; 17(6):654–7 (20 ref.)

NH4+ transport in the kidney. Knepper MA.
Kidney Int Suppl 1991 Jul;33:S95–102 (68 ref.)

Ammonia movements in rhizobia. Glenn AR, et al.
Microbiol Sci 1985 Jun;2(6):161–2, 165–7 (25 ref.)

Role of ammonia in tubulointerstitial injury. Clark EC, et al. **Miner Electrolyte Metab** 1990;16(5):315–21 (59 ref.)

Renal ammonia and bicarbonate production in chronic renal failure. Dass PD, et al. **Miner Electrolyte Metab** 1990; 16(5):308–14 (73 ref.)

Ammonium transport in collecting ducts. Flessner MF, et al. **Miner Electrolyte Metab** 1990;16(5):299–307 (36 ref.)

Ammonia transport in the proximal tubule. Hamm LL, et al. **Miner Electrolyte Metab** 1990;16(5):283–90 (31 ref.)

The importance of renal ammonia metabolism to whole body acid–base balance: a reanalysis of the pathophysiology of renal tubular acidosis. Kurtz I, et al.
Miner Electrolyte Metab 1990;16(5):331–40 (76 ref.)

Ammonia production and secretion by isolated perfused proximal tubule segments. Nagami GT.
Miner Electrolyte Metab 1990;16(5):259–63 (22 ref.)

Ammonia metabolism in cultured renal cells. Nissim I, et al. **Miner Electrolyte Metab** 1990;16(5):270–6 (52 ref.)

Biochemical pathways and modulators of renal ammoniagenesis. Tannen RL, et al.
Miner Electrolyte Metab 1990;16(5):249–58 (63 ref.)

Current evidence for an ammoniuretic factor in the control of ammonium excretion. Vanatta JC, et al.
Proc Soc Exp Biol Med 1991 Sep;197(4):369–77 (53 ref.)

TOXICITY

New roles of carnitine metabolism in ammonia cytotoxicity. O'Connor JE, et al. **Adv Exp Med Biol** 1990;272:183–95 (36 ref.)

URINE

Ammonium transport by the loop of Henle. Good DW.
Miner Electrolyte Metab 1990;16(5):291–8 (34 ref.)

Ammonium metabolism: emphasis on energy considerations. Halperin ML, et al. **Miner Electrolyte Metab** 1990; 16(5):277–82 (33 ref.)

Renal tubular acidosis (RTA): recognize the ammonium defect and pHorget the urine pH. Carlisle EJ, et al.
Pediatr Nephrol 1991 Mar;5(2):242–8 (28 ref.)

Distal renal tubular acidosis: the value of urinary pH, PCO2 and NH4+ measurements. Wrong O. **Pediatr Nephrol** 1991 Mar;5(2):249–55 (72 ref.)

AMNESIA

DIAGNOSIS

[The concept of amnesia and quantitative assessment of amnesic disorders] Metzler P, et al.
Fortschr Neurol Psychiatr 1991 Jun;59(6):207–15 (75 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Ictal amnesia and fugue states. Rowan AJ, et al.
Adv Neurol 1991;55:357–67 (57 ref.)

PHYSIOPATHOLOGY

A critical evaluation of monkey models of amnesia and dementia. Ridley RM, et al. **Brain Res Brain Res Rev** 1991 Jan–Apr;16(1):15–37 (173 ref.)

Amnesia: lesion location and functional deficit—what is the link? [editorial] Mayes A. **Psychol Med** 1991 May; 21(2):293–7 (25 ref.)

PSYCHOLOGY

Implicit memory. Retention without remembering. Roediger HL 3d. **Am Psychol** 1990 Sep;45(9):1043–56 (105 ref.)

The relationship between anterograde and retrograde amnesia in alcoholic Wernicke–Korsakoff syndrome [editorial] Parkin AJ. **Psychol Med** 1991 Feb;21(1):11–4 (21 ref.)

AMNESIA, RETROGRADE

PSYCHOLOGY

The relationship between anterograde and retrograde amnesia in alcoholic Wernicke–Korsakoff syndrome [editorial] Parkin AJ. **Psychol Med** 1991 Feb;21(1):11–4 (21 ref.)

AMNIOCENTESIS

see related
CHORIONIC VILLI SAMPLING

Trisomy 12 mosaicism detected by mid–trimester amniocentesis. Petrella R, et al. **Prenat Diagn** 1990 Dec; 10(12):781–5 (15 ref.)

Early amniocentesis. Penso CA, et al. **Semin Perinatol** 1990 Dec;14(6):465–70 (25 ref.)

ADVERSE EFFECTS

Prenatal diagnosis in multiple gestation: 20 years' experience with amniocentesis. Anderson RL, et al. **Prenat Diagn** 1991 Apr;11(4):263–70 (47 ref.)

METHODS

Chorionic villus sampling and amniocentesis. Silverman NS, et al. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):258–64 (16 ref.)

STANDARDS

Chorionic villus sampling as the primary diagnostic tool in prenatal diagnosis. Should it replace genetic amniocentesis? Doran TA. **J Reprod Med** 1990 Oct;35(10):935–40 (27 ref.)

AMNIONITIS see **CHORIOAMNIONITIS**

AMNIOTIC BAND SYNDROME

Amniotic band syndrome. Kulkarni ML, et al.
Indian Pediatr 1990 May;27(5):471–6 (23 ref.)

PATHOLOGY

[Amniotic band disruption complex: report of one case in twins] Shih TY, et al. **Acta Paediatr Sin** 1991 Mar–Apr; 32(2):115–21 (38 ref.) (Eng. Abstr.) **(Chi)**

ULTRASONOGRAPHY

Sonographic diagnosis of the amniotic band syndrome. Burton DJ, et al. **AJR Am J Roentgenol** 1991 Mar; 156(3):555–8 (4 ref.)

AMNIOTIC BANDS see **AMNIOTIC BAND SYNDROME**

AMNIOTIC FLUID

see related
EMBOLISM, AMNIOTIC FLUID

Amniotic fluid embolism. Hardin L, et al. **South Med J** 1991 Aug;84(8):1046–8 (17 ref.)

CHEMISTRY

[Alpha fetoprotein concentration in the amniotic fluid in normal pregnancy and in pregnancy complicated by fetal anomaly] Szabó M, et al. **Orv Hetil** 1990 Sep 30; 131(39):2139–42 (22 ref.) (Eng. Abstr.) **(Hun)**

ENZYMOLOGY

Determination of amniotic fluid acetylcholinesterase activity in the antenatal diagnosis of foetal malformations: the first ten years. Loft AG. **J Clin Chem Clin Biochem** 1990 Dec; 28(12):893–911 (115 ref.)

Preventing cystic fibrosis in the RSA. Hitzeroth HW, et al.
S Afr Med J 1991 Jul 20;80(2):92–8 (31 ref.)

METABOLISM

[Fibronectin and pregnancy] Sebko TV, et al.
Vestn Akad Med Nauk SSSR 1991;(2):46–50 (50 ref.) (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Methods for diagnosing amniotic fluid infection] Mazor M, et al. **Harefuah** 1991 Feb 1;120(3):148–50 (20 ref.) **(Heb)**

PHYSIOLOGY

Amniotic fluid volume assessment: oligohydramnios. Smith CV. **Nebr Med J** 1991 Jan;76(1):14–5 (8 ref.)

AMNIOTIC MEMBRANE DRESSINGS see **BIOLOGICAL DRESSINGS**

AMODIACHIN see **AMODIAQUINE**

AMODIAQUINE

ADVERSE EFFECTS

[Evaluation of hematologic side effects of anti–infective therapy: agranulocytosis caused by beta–lactam antibiotics, vancomycin and amodiaquine] Eich G, et al. **Infection** 1991; 19 Suppl 1:S33–7 (26 ref.) (Eng. Abstr.) **(Ger)**

AMOEBA

PATHOGENICITY

Leptomyxid ameba, a new agent of amebic meningoencephalitis in humans and animals. Visvesvara GS, et al. **J Clin Microbiol** 1990 Dec;28(12):2750–6 (29 ref.)

PHYSIOLOGY

Phagocytosis of Legionella pneumophila. Halablab MA, et al. **J Med Microbiol** 1990 Oct;33(2):75–83 (87 ref.)

AMOEBIASIS see **AMEBIASIS**

AMOXICILLIN

ADVERSE EFFECTS

Augmentin–induced jaundice. Wong FS, et al.
Med J Aust 1991 May 20;154(10):698–701 (11 ref.)

[Superficial pemphigus in children. Induction role of amoxicillin?] Escallier F, et al. **Ann Dermatol Venereol** 1991;118(5):381–4 (18 ref.) **(Fre)**

[Cholestatic hepatitis induced by the amoxicillin–clavulanic acid combination. A case and review of the literature] Cleau D, et al. **Gastroenterol Clin Biol** 1990;14(12):1007–9 (24 ref.) (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Failures of endocarditis prophylaxis: selective review of the literature and a case report. van der Bijl P, et al.

Ann Dent 1991 Summer;50(1):5–8 (26 ref.)
[Prevention of infectious complications of major upper respiratory and digestive tract surgery by the combination of pefloxacin–amoxicillin–clavulanic acid] Russier M, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(6):406–10 (8 ref.) (Eng. Abstr.) **(Fre)**

5'-AMP NUCLEOTIDASE see **5'-NUCLEOTIDASE**

AMP PHOSPHATASE see **5'-NUCLEOTIDASE**

AMPHETAMINE

THERAPEUTIC USE

[Hyperkinetic syndrome in childhood and adolescence. Diagnosis and therapy] Schulz E, et al. **Med Monatsschr Pharm** 1991 May;14(5):137–48 (91 ref.) **(Ger)**

D-AMPHETAMINE see **DEXTROAMPHETAMINE**

L-AMPHETAMINE see **AMPHETAMINE**

AMPHETAMINES

Perinatal effects of cocaine and amphetamine use during pregnancy. Kandall SR. **Bull N Y Acad Med** 1991 May–Jun;67(3):240–55 (48 ref.)
Clinical–behavioral observations of the long–term effects of drug abuse. Woody GE, et al. **NIDA Res Monogr** 1990; 101:71–85 (18 ref.)

POISONING

Drug–induced colonic pseudo–obstruction. Report of a case. Ohri SK, et al. **Dis Colon Rectum** 1991 Apr;34(4):347–51 (51 ref.)

THERAPEUTIC USE

Motion sickness. Helping patients tolerate the ups and downs. Ruckenstein MJ, et al. **Postgrad Med** 1991 May 1; 89(6):139–44 (10 ref.)

AMPHIBIA

EMBRYOLOGY

Inductive interactions in early amphibian development. New HV, et al. **Curr Opin Cell Biol** 1990 Dec;2(6):969–74 (31 ref.)
Developmental histories in amphibian myogenesis. Radice GP, et al. **Int J Dev Biol** 1989 Sep;33(3):325–43 (142 ref.)

GENETICS

Evolution of sex chromosomes and heterogametic systems in amphibia. Schmid M. **Differentiation** 1983;23 Suppl:S13–22 (48 ref.)

GROWTH & DEVELOPMENT

The evolution of metamorphosis in amphibians. Fritzsch B. **J Neurobiol** 1990 Oct;21(7):1011–21 (33 ref.)
Metamorphosis of the amphibian eye. Hoskins SG. **J Neurobiol** 1990 Oct;21(7):970–89 (122 ref.)

IMMUNOLOGY

Distribution of Thy–1 in invertebrates and ectothermic vertebrates. Cooper EL, et al. **Immunol Ser** 1989; 45:197–219 (59 ref.)

PARASITOLOGY

The Dactylosomatidae. Barta JR. **Adv Parasitol** 1991;30:1–37 (82 ref.)
Environment and host–parasite relationships in Monogenea. Lambert A. **Folia Parasitol (Praha)** 1990;37(3):219–24 (14 ref.)

PHYSIOLOGY

Regulation of MSH secretion by neuropeptide Y in amphibians. Danger JM, et al. **Ann N Y Acad Sci** 1990; 611:302–16 (61 ref.)
Regulations in the induction of the organized neural system in amphibian embryos. Yamada T. **Development** 1990 Nov; 110(3):653–9 (70 ref.)
Ultrastructural aspects of oogenesis and oocyte growth in fish and amphibians. Wallace RA, et al. **J Electron Microsc Tech** 1990 Nov;16(3):175–201 (203 ref.)
Some current problems in amphibian limb regeneration. Brockes JP. **Philos Trans R Soc Lond [Biol]** 1991 Mar 29; 331(1261):287–90 (26 ref.)
[The role of the myoblasts and connective tissue in the regeneration of the limbs in amphibians] Hinterberger TJ, et al. **Ontogenez** 1990 Jul–Aug;21(4):341–57 (88 ref.) (Eng. Abstr.) **(Rus)**

AMPHOTERICIN B

ADMINISTRATION & DOSAGE

Liposomal amphotericin–B as a therapeutic measure to control experimental aspergillosis in BALB/c mice. Ahmad I, et al. **Indian J Biochem Biophys** 1990 Dec;27(6):370–4 (38 ref.)

ADVERSE EFFECTS

Sodium loading treatment for amphotericin B–induced nephrotoxicity. Gardner ML, et al. **DICP** 1990 Oct; 24(10):940–6 (26 ref.)
Use of amphotericin B in immunosuppressed patients with cancer. Part One: Pharmacology and toxicities. Rutledge DN, et al. **Oncol Nurs Forum** 1990 Sep–Oct;17(5):731–6 (48 ref.)
Prospective surveillance of intravenous amphotericin B use patterns. Grasela TH Jr, et al. **Pharmacotherapy** 1990; 10(5):341–8 (32 ref.)

ANALOGS & DERIVATIVES

[Pharmacokinetics of amphotericin B and its derivatives] Vetkina IF. **Antibiot Khimioter** 1991 Apr;36(4):36–8 (36 ref.) **(Rus)**

PHARMACOKINETICS

[Pharmacokinetics of amphotericin B and its derivatives] Vetkina IF. **Antibiot Khimioter** 1991 Apr;36(4):36–8 (36 ref.) **(Rus)**

PHARMACOLOGY

Pharmacology and pharmacokinetics of traditional systemic antifungal agents. Barriere SL. **Pharmacotherapy** 1990;10(6 (Pt 3)):134S–140S (50 ref.)

THERAPEUTIC USE

Successful treatment of disseminated Fusarium infection in an immunocompromised child. Barrios NJ, et al. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):319–24 (34 ref.)
Nonsurgical treatment of Histoplasma endocarditis involving a bioprosthetic valve. Kanawaty DS, et al. **Chest** 1991 Jan; 99(1):253–6 (18 ref.)
Use of amphotericin B in immunosuppressed patients with cancer. Part Two: Pharmacodynamics and nursing implications. Holtzclaw BJ, et al. **Oncol Nurs Forum** 1990 Sep–Oct;17(5):737–42 (25 ref.)
Empiric therapy with amphotericin B in febrile granulocytopenic patients. Walsh TJ, et al. **Rev Infect Dis** 1991 May–Jun;13(3):496–503 (49 ref.)
[Cryptococcosis in AIDS: therapeutic concepts] Ruf B. **Mycoses** 1990;33 Suppl 1:55–64 (30 ref.) (Eng. Abstr.) **(Ger)**

AMPICILLIN

THERAPEUTIC USE

Ampicillin/sulbactam—a combination of an old and a new agent in the treatment of infection. Kerins DM. **Am J Med Sci** 1991 Jun;301(6):406–11 (35 ref.)
Ampicillin–sulbactam therapy for multiple pyogenic hepatic abscesses [clinical conference] Zenon GJ 3d, et al. **Clin Pharm** 1990 Dec;9(12):939–47 (45 ref.)
Group B streptococcus: the effectiveness of screening and chemoprophylaxis. Greenspoon JS, et al. **Obstet Gynecol Surv** 1991 Aug;46(8):499–508 (35 ref.)
[Sulbactam–ampicillin combination—a drug of broad antibacterial spectrum] Savko V. **Antibiot Khimioter** 1991 Jan;36(1):51–5 (42 ref.) **(Rus)**

TOXICITY

Ampicillin. **IARC Monogr Eval Carcinog Risks Hum** 1990; 50:153–67 (75 ref.)

AMPUTATION

Selection of level for lower limb amputation in patients with severe peripheral vascular disease. Clyne CA. **Ann R Coll Surg Engl** 1991 May;73(3):148–51 (27 ref.)
Hemicorporectomy: a collective review. Ferrara BE. **J Surg Oncol** 1990 Dec;45(4):270–8 (54 ref.)

METHODS

[Current status of amputation surgery] Becker HM, et al. **Zentralbl Chir** 1990;115(14):857–63 (20 ref.) (Eng. Abstr.) **(Ger)**
[When is there an indication for primary femoral amputation in patients with vascular disease?] Hepp W, et al. **Zentralbl Chir** 1990;115(14):865–71 (13 ref.) (Eng. Abstr.) **(Ger)**
[Economic amputations of the lower limbs due to ischemia. II.] Giaccone M, et al. **Minerva Chir** 1991 Feb; 46(3–4):135–41 (11 ref.) (Eng. Abstr.) **(Ita)**
[Economic amputations of the lower limbs due to ischemia. I.] Ricci E, et al. **Minerva Chir** 1991 Feb;46(3–4):129–33 (36 ref.) (Eng. Abstr.) **(Ita)**

REHABILITATION

Dermatofibrosarcoma protuberans of the toe. Kraemer BA, et al. **Ann Plast Surg** 1990 Oct;25(4):295–8 (45 ref.)
Exercise testing and training in patients with peripheral vascular disease and lower extremity amputation. Priebe M, et al. **West J Med** 1991 May;154(5):598–601 (22 ref.)

STANDARDS

A review of 13–years experience of osteosarcoma. Carter SR, et al. **Clin Orthop** 1991 Sep;(270):45–51 (11 ref.)
Experience with multiagent chemotherapy for osteosarcoma. Improved outcome. Goorin AM, et al. **Clin Orthop** 1991 Sep;(270):22–8 (22 ref.)
Current management, local management, and survival statistics of high–grade osteosarcoma. Experience in Japan. Ogihara Y, et al. **Clin Orthop** 1991 Sep;(270):72–8 (21 ref.)
IIB osteosarcoma. Current management, local control, and survival statistics—The Netherlands. Veth RP. **Clin Orthop** 1991 Sep;(270):67–71 (38 ref.)

AMPUTATION, INTRAUTERINE see **AMNIOTIC BAND SYNDROME**

AMPUTATION STUMPS

see related
PHANTOM LIMB

AMPUTATION, TRAUMATIC

SURGERY

Successful replantation of nose by microsurgical technique, and review of literature. Niazi Z, et al. **Br J Plast Surg** 1990 Sep;43(5):617–20 (13 ref.)
Replantation. Kleinert HE, et al. **Clin Symp** 1991;43(2):2–32 (15 ref.)
Repair of a traumatically amputated penis with return of erectile function. Lowe MA, et al. **J Urol** 1991 Jun; 145(6):1267–70 (15 ref.)
Major limb replantation in children. Daigle JP, et al. **Microsurgery** 1991;12(3):221–31 (58 ref.)
Macroreplantation: an overview. Kleinert JM, et al. **Microsurgery** 1990;11(3):229–33 (26 ref.)
Thumb replantation after cardiac transplantation. Borah GL, et al. **Plast Reconstr Surg** 1991 Sep;88(3):499–502 (41 ref.)
[Finger replantation] Nyárády J, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1990; 33(4):261–9 (23 ref.) (Eng. Abstr.) **(Hun)**

AMPUTEES

REHABILITATION

Bilateral lower limb amputee rehabilitation. A retrospective review. Torres MM, et al. **West J Med** 1991 May; 154(5):583–6 (18 ref.)

AMRINONE

PHARMACOLOGY

Pharmacology of bipyridine phosphodiesterase III inhibitors. Honerjäger P. **Am Heart J** 1991 Jun;121(6 (Pt 2)):1939–44 (69 ref.)

THERAPEUTIC USE

The choice of inotropes following cardiopulmonary bypass. Con: amrinone is not a first–choice inotrope following cardiopulmonary bypass. Estafanous FG. **J Cardiothorac Vasc Anesth** 1991 Apr;5(2):184–6 (17 ref.)
The choice of inotropes following cardiopulmonary bypass. Pro: amrinone is a first–choice inotrope following cardiopulmonary bypass. Hines R. **J Cardiothorac Vasc Anesth** 1991 Apr;5(2):181–3 (18 ref.)

AMSACRINE

THERAPEUTIC USE

New drugs in the treatment of acute and chronic leukemia with some emphasis on m–AMSA. Jehn U, et al. **Anticancer Res** 1991 Mar–Apr;11(2):705–11 (67 ref.)

M-AMSA see **AMSACRINE**

AMYGDALA see **AMYGDALOID BODY**

AMYGDALIN

THERAPEUTIC USE

Unproven methods of cancer management. Laetrile. **CA** 1991 May–Jun;41(3):187–92 (35 ref.)

AMYGDALOID BODY

ANATOMY & HISTOLOGY

The anatomical relationship of the prefrontal cortex with the striatopallidal system, the thalamus and the amygdala: evidence for a parallel organization. Groenewegen HJ, et al. **Prog Brain Res** 1990;85:95–116; discussion 116–8 (52 ref.)

PHYSIOLOGY

Involvement of the amygdaloid complex in neuromodulatory influences on memory storage. McGaugh JL, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):425–31 (60 ref.)

Forebrain nuclei involved in autonomic control. Loewy AD. **Prog Brain Res** 1991;87:253–68 (66 ref.)
Contributions of the amygdalar complex to behavior in macaque monkeys. Murray EA. **Prog Brain Res** 1991; 87:167–80 (74 ref.)

AMYGDALOSIDE see **AMYGDALIN**

AMYLASES

BLOOD

Where does serum amylase come from and where does it go? Pieper-Bigelow C, et al. **Gastroenterol Clin North Am** 1990 Dec;19(4):793–810 (116 ref.)

METABOLISM

Microbial amylases. Cornelis P. **Microbiol Sci** 1987 Nov; 4(11):342–3 (25 ref.)

THERAPEUTIC USE

[Clinical and pharmacological aspects of pancreatic enzyme substitution therapy] Löser C, et al. **Leber Magen Darm** 1991 Mar;21(2):56, 59–62, 65 (39 ref.) (Eng. Abstr.) **(Ger)**

AMYLOGLUCOSIDASE see **GLUCAN 1,4-ALPHA-GLUCOSIDASE**

AMYLOID

[Familial amyloidosis of AL type and factor X deficiency. The valve of long-term colchicine administration (letter)] De Wazières B, et al. **Ann Med Interne (Paris)** 1990; 141(4):388–90 (11 ref.) **(Fre)**

ANALYSIS

Pathological fractures and lytic bone lesion of the femoral neck associated with beta 2-microglobulin amyloid deposition in long-term dialysis patients. Scheumann GF, et al. **Arch Orthop Trauma Surg** 1991;110(2):93–7 (24 ref.)
Amyloid in central nervous system disease. Haan J, et al. **Clin Neurol Neurosurg** 1990;92(4):305–10 (39 ref.)
Islet amyloid and type 2 (non-insulin-dependent) diabetes. Clark A. **S Afr Med J** 1990 Dec 1;78 Suppl:7–11 (50 ref.)
Amyloid-related neuropathies. Goebel HH, et al. **Zentralbl Allg Pathol** 1990;136(6):517–23 (27 ref.)
[Thyroid plasmacytoma with amyloid deposits. Report of a case and review of the literature] Levesque H, et al. **Rev Med Interne** 1989 Nov-Dec;10(6):553–6 (27 ref.) **(Fre)**

CHEMISTRY

The amylin superfamily: a novel grouping of biologically active polypeptides related to the insulin A-chain. Cooper GJ, et al. **Prog Growth Factor Res** 1989;1(2):99–105 (38 ref.)
[Amyloid fibril proteins and their precursors] Shinoda T. **Nippon Rinsho** 1991 Apr;49(4):766–74 (21 ref.) **(Jpn)**

METABOLISM

[Role of amylin in the physiologic and physiopathologic regulation of energy metabolism] Cooper GJ. **Journ Annu Diabetol Hotel Dieu** 1991;:125–39 (69 ref.) **(Fre)**
[Amyloidosis associated with aging] Yamada M, et al. **Nippon Rinsho** 1991 Apr;49(4):814–20 (20 ref.) **(Jpn)**
[Mechanisms of amyloid deposition] Yamamura K. **Nippon Rinsho** 1991 Apr;49(4):775–8 (6 ref.) **(Jpn)**

PHYSIOLOGY

Hypothesis regarding amyloid and zinc in the pathogenesis of Alzheimer disease: potential for preventive intervention. Constantinidis J. **Alzheimer Dis Assoc Disord** 1991 Spring; 5(1):31–5 (41 ref.)
Regulation and genetic control of brain amyloid. FESN Study Group. Gajdusek DC, et al. **Brain Res Brain Res Rev** 1991 Jan-Apr;16(1):83–114 (181 ref.)
Newly identified pancreatic protein islet amyloid polypeptide. What is its relationship to diabetes? Johnson KH, et al. **Diabetes** 1991 Mar;40(3):310–4 (60 ref.)
Is islet amyloid polypeptide a significant factor in pathogenesis or pathophysiology of diabetes? Steiner DF, et al. **Diabetes** 1991 Mar;40(3):305–9 (54 ref.)
Calcitonin gene-related peptide (CGRP) and amylin and the endocrine pancreas. Ahrén B, et al. **Int J Pancreatol** 1990 Jan;6(1):1–15 (71 ref.)
[Amylin, islet amyloid and diabetes mellitus type II] Fehmann HC, et al. **Dtsch Med Wochenschr** 1990 Nov 16; 115(46):1769–72 (47 ref.) **(Ger)**

AMYLOID A PROTEIN see **AMYLOID PROTEIN AA**

AMYLOID BETA-PROTEIN

CHEMISTRY

[Amyloid fibril proteins and their precursors] Shinoda T. **Nippon Rinsho** 1991 Apr;49(4):766–74 (21 ref.) **(Jpn)**

GENETICS

Treatment of Alzheimer's disease. Molecular pathology versus neurotransmitter-based therapy. Bowen DM. **Br J Psychiatry** 1990 Sep;157:327–30 (21 ref.)
Genetics and biology of the Alzheimer amyloid precursor. Neve RL, et al. **Prog Brain Res** 1990;86:257–67 (35 ref.)

METABOLISM

Proteolytic cleavage of the Alzheimer's disease amyloid A4 precursor protein. Ishiura S. **J Neurochem** 1991 Feb; 56(2):363–9 (60 ref.)
[Dialysis amyloidosis] Gejyo F, et al. **Nippon Rinsho** 1991 Apr;49(4):821–5 (21 ref.) **(Jpn)**
[Tau protein and beta protein] Nukina N. **Nippon Ronen Igakkai Zasshi** 1990 May;27(3):276–9 (3 ref.) (Eng. Abstr.) **(Jpn)**

AMYLOID FIBRIL PROTEIN AA see **AMYLOID PROTEIN AA**

AMYLOID FIBRIL PROTEIN (ALZHEIMER'S) see **AMYLOID BETA-PROTEIN**

AMYLOID P COMPONENT

ANALYSIS

Amyloid P-component and the skin. Breathnach SM, et al. **Clin Dermatol** 1990 Apr-Jun;8(2):46–54 (76 ref.)

AMYLOID PROTEIN AA

ANALYSIS

[Biochemical tests in blood and urine for amyloidosis] Yakata M, et al. **Nippon Rinsho** 1991 Apr;49(4):826–30 (14 ref.) **(Jpn)**

CHEMISTRY

[Amyloid fibril proteins and their precursors] Shinoda T. **Nippon Rinsho** 1991 Apr;49(4):766–74 (21 ref.) **(Jpn)**

AMYLOID PROTEIN A4 see **AMYLOID BETA-PROTEIN**

AMYLOID PROTEIN SAA

METABOLISM

Molecular and cellular biology of serum amyloid A. Rienhoff HY Jr, et al. **Mol Biol Med** 1990 Jun;7(3):287–98 (60 ref.)

AMYLOID SERUM PROTEIN SAA see **AMYLOID PROTEIN SAA**

AMYLOIDOSIS

Amyloidosis. Cohen AS. **Bull Rheum Dis** 1991;40(2):1–12 (152 ref.)
Animal models for amyloidosis. Yang JH. **Clin Dermatol** 1990 Apr-Jun;8(2):102–7 (53 ref.)
Amyloidosis. Cohen AS, et al. **Curr Opin Rheumatol** 1991 Feb;3(1):125–38 (135 ref.)
Amyloidosis. Ford PM. **Curr Opin Rheumatol** 1989 Dec; 1(4):554–8 (16 ref.)
[Respiratory sites of amyloidosis] M'rad S, et al. **Ann Med Interne (Paris)** 1991;142(2):103–8 (84 ref.) **(Fre)**
[Familial Mediterranean fever and familial amyloidotic polyneuropathy] Araki S, et al. **Nippon Rinsho** 1991 Apr; 49(4):806–13 (20 ref.) **(Jpn)**

CLASSIFICATION

[Concept and classification of amyloidosis] Matsuzaki H, et al. **Nippon Rinsho** 1991 Apr;49(4):753–7 (16 ref.) **(Jpn)**
[Localized amyloidosis of the digestive tract] Yuda F, et al. **Nippon Rinsho** 1991 Apr;49(4):910–7 (26 ref.) **(Jpn)**

COMPLICATIONS

Amyloidosis associated bleeding diatheses in the surgical patient. Mizutani AR, et al. **Can J Anaesth** 1990 Nov; 37(8):910–2 (15 ref.)
Sinusoidal portal hypertension in hepatic amyloidosis. Bion E, et al. **Gut** 1991 Feb;32(2):227–30 (21 ref.)
Light chain deposition disease of the liver associated with AL-type amyloidosis and severe cholestasis. Faa G, et al. **J Hepatol** 1991 Jan;12(1):75–82 (47 ref.)
Amyloidosis in a case of ankylosing spondylitis with a review of the literature. Lance NJ, et al. **J Rheumatol** 1991 Jan; 18(1):100–3 (27 ref.)
[Primary amyloidosis vs. PCD-associated amyloidosis] Isobe T. **Nippon Rinsho** 1991 Apr;49(4):795–9 (9 ref.) **(Jpn)**
[Autonomic disturbance in amyloidosis] Suzuki T. **Nippon Rinsho** 1991 Apr;49(4):880–5 (23 ref.) **(Jpn)**
[Hematopoietic organ and bleeding tendency] Terada H. **Nippon Rinsho** 1991 Apr;49(4):859–64 (16 ref.) **(Jpn)**
[Cerebral amyloid angiopathy (CAA) and cerebrovascular disease] Yamanouchi H. **Nippon Rinsho** 1991 Apr; 49(4):939–44 (22 ref.) **(Jpn)**

DIAGNOSIS

Perforation and tumor formation of the intestine in primary amyloidosis. Ishizaki Y, et al. **Am J Gastroenterol** 1991 Mar; 86(3):363–6 (18 ref.)
Diagnosis and treatment of cerebral amyloid angiopathy. Feldmann E, et al. **Clin Geriatr Med** 1991 Aug;7(3):617–30 (49 ref.)
Amyloidosis of the colon presenting as ischemic colitis: a case report and review of the literature. Trinh TD, et al. **Gastrointest Radiol** 1991 Spring;16(2):133–6 (25 ref.)
[Amyloidosis of the respiratory tract] Kanoh T. **Nippon Rinsho** 1991 Apr;49(4):847–52 (26 ref.) **(Jpn)**
[Biopsy diagnosis of amyloidosis] Kuroda M, et al. **Nippon Rinsho** 1991 Apr;49(4):831–5 (20 ref.) **(Jpn)**
[Localized amyloidosis of the lower respiratory tract] Mitsui K, et al. **Nippon Rinsho** 1991 Apr;49(4):903–9 (16 ref.) **(Jpn)**
[DNA diagnosis] Murakami T. **Nippon Rinsho** 1991 Apr; 49(4):836–40 (8 ref.) **(Jpn)**
[Bone and joint involvement in systemic amyloidosis] Nakazawa R. **Nippon Rinsho** 1991 Apr;49(4):886–91 (20 ref.) **(Jpn)**
[Amyloidosis in the ear, nose and throat] Sawaki S. **Nippon Rinsho** 1991 Apr;49(4):931–4 (10 ref.) **(Jpn)**
[Localized amyloidosis of the genitourinary tract] Suzuki K, et al. **Nippon Rinsho** 1991 Apr;49(4):918–22 (23 ref.) **(Jpn)**
[Cardiac amyloidosis] Tanaka J, et al. **Nippon Rinsho** 1991 Apr;49(4):841–6 (20 ref.) **(Jpn)**
[Amyloidosis of the gastrointestinal tract] Uchino F, et al. **Nippon Rinsho** 1991 Apr;49(4):865–9 (20 ref.) **(Jpn)**
[Biochemical tests in blood and urine for amyloidosis] Yakata M, et al. **Nippon Rinsho** 1991 Apr;49(4):826–30 (14 ref.) **(Jpn)**
[Hepatic amyloidosis--symptoms and diagnosis] Yamada H, et al. **Nippon Rinsho** 1991 Apr;49(4):870–4 (22 ref.) **(Jpn)**
[Systemic amyloidosis and the skin] Yanagihara M, et al. **Nippon Rinsho** 1991 Apr;49(4):892–5 (19 ref.) **(Jpn)**
[2 cases of laryngeal amyloidosis] Lacosta Nicolás JL, et al. **Acta Otorrinolaringol Esp** 1991 May-Jun;42(3):198–200 (16 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Current management of amyloidosis] Hirayama C. **Nippon Rinsho** 1991 Apr;49(4):956–60 (20 ref.) **(Jpn)**

EPIDEMIOLOGY

Epidemiology of primary cutaneous amyloidoses in South America. Ollague W, et al. **Clin Dermatol** 1990 Apr-Jun; 8(2):25–9 (25 ref.)
Epidemiology of primary cutaneous amyloidoses in southeast Asia. Tan T. **Clin Dermatol** 1990 Apr-Jun;8(2):20–4 (21 ref.)

ETIOLOGY

Amyloidosis in juvenile chronic arthritis. David J. **Clin Exp Rheumatol** 1991 Jan-Feb;9(1):73–8 (64 ref.)
Beta-2-microglobulin and dialysis-related amyloidosis. Recent developments. Floege J, et al. **Contrib Nephrol** 1989; 74:120–6 (30 ref.)
Dialysis amyloidosis: current disease concepts and new perspectives for its treatment. Gejyo F, et al. **Contrib Nephrol** 1990;78:47–59; discussion 59–60 (29 ref.)
Is amyloidogenesis during Alzheimer's disease due to an IL-1-/IL-6-mediated 'acute phase response' in the brain? Vandenabeele P, et al. **Immunol Today** 1991 Jul;12(7):217–9 (44 ref.)
Dialysis arthropathy, amyloidosis and beta-2 microglobulin. Cameron JS. **Pediatr Nephrol** 1987 Apr;1(2):224–9 (75 ref.)
[Cutaneous manifestations in multiple myeloma] Collet E, et al. **Ann Dermatol Venereol** 1991;118(1):35–44 (165 ref.) **(Fre)**
[Osteoarticular amyloidosis in hemodialyzed patients. Report of 4 cases] Moalla M, et al. **J Radiol** 1990 Aug-Sep; 71(8–9):467–72 (24 ref.) (Eng. Abstr.) **(Fre)**
[Nephropathy in rheumatoid arthritis] Onetti Muda A, et al. **Pathologica** 1990 Nov-Dec;82(1082):617–26 (45 ref.) (Eng. Abstr.) **(Ita)**
[Localized amyloidosis of the ureter: a case report] Irisawa C, et al. **Hinyokika Kiyo** 1991 Jan;37(1):73–6 (17 ref.) (Eng. Abstr.) **(Jpn)**
[Dialysis amyloidosis] Gejyo F, et al. **Nippon Rinsho** 1991 Apr;49(4):821–5 (21 ref.) **(Jpn)**
[Experimental amyloidosis] Tomino I, et al. **Nippon Rinsho** 1991 Apr;49(4):788–94 (42 ref.) **(Jpn)**
[Crohn's disease associated with secondary amyloidosis--a case report] Itoh T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Mar;88(3):730–4 (22 ref.) **(Jpn)**

GENETICS

Inherited amyloidosis. Benson MD. **J Med Genet** 1991 Feb; 28(2):73–8 (13 ref.)
The new biology of spongiform encephalopathy: infectious amyloidoses with a genetic twist. Brown P, et al. **Lancet** 1991 Apr 27;337(8748):1019–22 (52 ref.)
Hereditary cerebral hemorrhage with amyloidosis--Dutch type: its importance for Alzheimer research. Haan J, et al. **Trends Neurosci** 1991 Jun;14(6):231–4 (68 ref.)

[Familial amyloidosis of AL type and factor X deficiency. The valve of long-term colchicine administration (letter)] De Wazières B, et al. **Ann Med Interne (Paris)** 1990; 141(4):388–90 (11 ref.) **(Fre)**
[Mechanisms of amyloid deposition] Yamamura K. **Nippon Rinsho** 1991 Apr;49(4):775–8 (6 ref.) **(Jpn)**

METABOLISM

Keratin in cutaneous amyloidoses. Hashimoto K, et al. **Clin Dermatol** 1990 Apr–Jun;8(2):55–65 (35 ref.)
[Amyloid fibril proteins and their precursors] Shinoda T. **Nippon Rinsho** 1991 Apr;49(4):766–74 (21 ref.) **(Jpn)**
[APUD amyloidosis] Takano K, et al. **Nippon Rinsho** 1991 Apr;49(4):950–5 (8 ref.) **(Jpn)**
[Amyloidosis associated with aging] Yamada M, et al. **Nippon Rinsho** 1991 Apr;49(4):814–20 (20 ref.) **(Jpn)**

PATHOLOGY

Histopathology of primary cutaneous amyloidoses and systemic amyloidosis. Li WM. **Clin Dermatol** 1990 Apr–Jun;8(2):30–5 (21 ref.)
Electron microscopy of primary and secondary cutaneous amyloidoses and systemic amyloidosis. Lin CS, et al. **Clin Dermatol** 1990 Apr–Jun;8(2):36–45 (26 ref.)
Tissue culture and cutaneous amyloidoses. Lo WL, et al. **Clin Dermatol** 1990 Apr–Jun;8(2):80–6 (31 ref.)
Clinical features of cutaneous amyloidoses. Wang WJ. **Clin Dermatol** 1990 Apr–Jun;8(2):13–9 (25 ref.)
Mucocutaneous manifestations in systemic amyloidosis. Wong CK. **Clin Dermatol** 1990 Apr–Jun;8(2):7–12 (19 ref.)
Amyloid in central nervous system disease. Haan J, et al. **Clin Neurol Neurosurg** 1990;92(4):305–10 (39 ref.)
Amyloid-related neuropathies. Goebel HH, et al. **Zentralbl Allg Pathol** 1990;136(6):517–23 (27 ref.)
[Value of biopsy of accessory salivary glands for the diagnosis of amyloidosis] Hachulla E, et al. **Rev Med Interne** 1990 Jul–Aug;11(4):329–32 (13 ref.) (Eng. Abstr.) **(Fre)**
[Localizing amyloidosis—lymph node] Honda T, et al. **Nippon Rinsho** 1991 Apr;49(4):923–6 (15 ref.) **(Jpn)**
[Ocular manifestations in systemic amyloidosis] Inomata H. **Nippon Rinsho** 1991 Apr;49(4):896–902 (18 ref.) **(Jpn)**
[Morphologic aspect of amyloidosis] Ishihara T, et al. **Nippon Rinsho** 1991 Apr;49(4):758–65 (24 ref.) **(Jpn)**
[Localized amyloidosis—dermatological area] Jidoi J, et al. **Nippon Rinsho** 1991 Apr;49(4):927–30 (17 ref.) **(Jpn)**
[Localized amyloidosis in the ophthalmic area] Kurimoto S, et al. **Nippon Rinsho** 1991 Apr;49(4):935–8 (20 ref.) **(Jpn)**
[Organ injuries of systemic amyloidosis—symptomatology and diagnosis—the kidney] Nakamoto Y. **Nippon Rinsho** 1991 Apr;49(4):853–8 (12 ref.) **(Jpn)**

PREVENTION & CONTROL

Can the nephrologist prevent dialysis-related amyloidosis? Zingraff J, et al. **Am J Kidney Dis** 1991 Jul;18(1):1–11 (99 ref.)

RADIOGRAPHY

[Radiologic skeletal diagnosis in dialysis patients] Rieden K, et al. **Med Klin** 1990 Aug 15;85(8):488–92, 509 (30 ref.) **(Ger)**

THERAPY

Treatment. Wong CK. **Clin Dermatol** 1990 Apr–Jun; 8(2):108–11 (27 ref.)

VETERINARY

Diabetes mellitus in nonhuman primates: recent research advances and current husbandry practices. Howard CF Jr, et al. **J Med Primatol** 1990;19(7):609–25 (72 ref.)

AMYOPLASIA CONGENITA see **ARTHROGRYPOSIS**

AMYOTROPHIC LATERAL SCLEROSIS

Ten central themes in a decade of ALS research. Rowland LP. **Adv Neurol** 1991;56:3–23 (174 ref.)
Motor neuron disease (amyotrophic lateral sclerosis). Williams DB, et al. **Mayo Clin Proc** 1991 Jan;66(1):54–82 (300 ref.)

DIAGNOSIS

Primary lateral sclerosis: a distinct clinical entity in patients with chronic spastic paraparesis. Reyes-Iglesias Y, et al. **Bol Asoc Med P R** 1990 Aug;82(8):340–2 (12 ref.)
[Probable amyotrophic lateral sclerosis. An unusual case. Review of the literature] Beauvais P, et al. **Arch Fr Pediatr** 1990 Aug–Sep;47(7):519–22 (14 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

L-threonine as a symptomatic treatment for amyotrophic lateral sclerosis (ALS). Roufs JB. **Med Hypotheses** 1991 Jan;34(1):20–3 (17 ref.)

EPIDEMIOLOGY

The epidemiology of primary degenerative dementia and related neurological disorders. Cooper B. **Eur Arch Psychiatry Clin Neurosci** 1991;240(4–5):223–33 (88 ref.)

ETIOLOGY

Risk factors in amyotrophic lateral sclerosis. Kurtzke JF. **Adv Neurol** 1991;56:245–70 (74 ref.)
Lathyrism and western Pacific amyotrophic lateral sclerosis: etiology of short and long latency motor system disorders. Spencer PS, et al. **Adv Neurol** 1991;56:287–99 (66 ref.)
Hypotheses to explain the association between vigorous physical activity and amyotrophic lateral sclerosis. Longstreth WT, et al. **Med Hypotheses** 1991 Feb; 34(2):144–8 (52 ref.)

GENETICS

RNA metabolism in relation to amyotrophic lateral sclerosis. Engel WK. **Adv Neurol** 1991;56:125–53 (171 ref.)
Parental sex effect in familial amyotrophic lateral sclerosis. Leone M. **Neurology** 1991 Aug;41(8):1292–4 (16 ref.)

IMMUNOLOGY

Autoimmunity and ALS: a comparison of animal models of immune-mediated motor neuron destruction and human ALS. Appel SH, et al. **Adv Neurol** 1991;56:405–12 (35 ref.)
[Amyotrophic lateral sclerosis: an autoimmune disease?] Hansen PR, et al. **Ugeskr Laeger** 1991 Feb 18;153(8):565–6 (30 ref.) (Eng. Abstr.) **(Dan)**

MICROBIOLOGY

Similarities of guamanian ALS/PD to post-encephalitic parkinsonism/ALS: possible viral cause. Hudson AJ, et al. **Can J Neurol Sci** 1990 Nov;17(4):427–33 (55 ref.)

PATHOLOGY

Cytopathology of amyotrophic lateral sclerosis. Hirano A. **Adv Neurol** 1991;56:91–101 (85 ref.)
Altered glutamatergic mechanisms and selective motor neuron degeneration in amyotrophic lateral sclerosis: possible role of glycine. Plaitakis A. **Adv Neurol** 1991; 56:319–26 (46 ref.)

PHYSIOPATHOLOGY

Neuropharmacology of amyotrophic lateral sclerosis. Askmark H, et al. **Prog Brain Res** 1990;84:371–80 (88 ref.)
[Amyotrophic lateral sclerosis. Focal points] Henny C, et al. **Rev Med Suisse Romande** 1991 Jan;111(1):9–16 (20 ref.) **(Fre)**

THERAPY

Design of clinical therapeutic trials in amyotrophic lateral sclerosis. Brooks BR, et al. **Adv Neurol** 1991;56:521–46 (74 ref.)
Clinical trials in ALS: measurement and natural history. Munsat TL, et al. **Adv Neurol** 1991;56:515–9 (21 ref.)

ANABOLIC STEROIDS

Use and abuse of anabolic and other drugs for athletic enhancement. Catlin DH, et al. **Adv Intern Med** 1991; 36:399–424 (105 ref.)
Anabolic steroid abuse. Landry GL, et al. **Adv Pediatr** 1990; 37:185–205 (107 ref.)
Anabolic steroids in the athlete. Strauss RH, et al. **Annu Rev Med** 1991;42:449–57 (34 ref.)
Management of the oral and maxillofacial surgery patient on anabolic steroids. Smith BK, et al. **J Oral Maxillofac Surg** 1991 Jun;49(6):627–32 (24 ref.)
Abuse liability of anabolic steroids and their possible role in the abuse of alcohol, morphine, and other substances. Cicero TJ, et al. **NIDA Res Monogr** 1990;102:1–28 (110 ref.)
Indications of psychological dependence among anabolic-androgenic steroid abusers. Yesalis CE, et al. **NIDA Res Monogr** 1990;102:196–214 (67 ref.)
Incidence of the nonmedical use of anabolic-androgenic steroids. Yesalis CE, et al. **NIDA Res Monogr** 1990; 102:97–112 (51 ref.)
[Anabolic steroids and their abuse in sports] Bruno M. **Clin Ter** 1990 Nov 15;135(3):159–72 (32 ref.) (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Cardiac dysfunction in athletes receiving anabolic steroids. Lorimer DA, et al. **DICP** 1990 Nov;24(11):1060–1 (14 ref.)
Anabolic steroids—a review of the clinical toxicology and diagnostic screening. Narducci WA, et al. **J Toxicol Clin Toxicol** 1990;28(3):287–310 (87 ref.)
Anabolic steroid-induced tendon pathology: a review of the literature. Laseter JT, et al. **Med Sci Sports Exerc** 1991 Jan;23(1):1–3 (22 ref.)
Anabolic-androgenic steroid-induced mental status changes. Katz DL, et al. **NIDA Res Monogr** 1990;102:215–23 (21 ref.)
Anabolic steroids and behavior: a preclinical research prospectus. Svare BB. **NIDA Res Monogr** 1990;102:224–41 (75 ref.)
Anabolic steroid use in adolescent athletes. Johnson MD. **Pediatr Clin North Am** 1990 Oct;37(5):1111–23 (51 ref.)
Steroids: breakfast of champions. Dyment PG. **Pediatr Rev** 1990 Oct;12(4):103–5 (7 ref.)
[Use and abuse of androgens; side effects and risks] Polderman KH, et al. **Ned Tijdschr Geneeskd** 1990 Nov 17;134(46):2233–7 (26 ref.) **(Dut)**

ANALYSIS

Immunoaffinity chromatography, its applicability and limitations in multi-residue analysis of anabolizing and doping agents. van Ginkel LA. **J Chromatogr** 1991 Apr 5;564(2):363–84 (29 ref.)

PHARMACOLOGY

History of anabolic-androgenic steroids. Kochakian CD. **NIDA Res Monogr** 1990;102:29–59 (99 ref.)
Anabolic-androgenic steroids. Lombardo JA. **NIDA Res Monogr** 1990;102:60–73 (59 ref.)
Growth promotion in farm animals. Buttery PJ, et al. **Proc Nutr Soc** 1990 Oct;49(3):459–66 (42 ref.)
Psychological and behavioural effects of endogenous testosterone levels and anabolic-androgenic steroids among males. A review. Bahrke MS, et al. **Sports Med** 1990 Nov; 10(5):303–37 (278 ref.)
[Drugs interacting with anabolic steroids] Fiegel G. **Clin Ter** 1991 Mar 31;136(6):415–20 (80 ref.) (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

[Estrogens, anabolic steroids and postmenopausal osteoporosis: what are the facts?] Birkenhäger JC. **Ned Tijdschr Geneeskd** 1991 Jun 1;135(22):973–5 (26 ref.) **(Dut)**

TOXICITY

Recent developments in the toxicology of anabolic steroids. Graham S, et al. **Drug Saf** 1990 Nov–Dec;5(6):458–76 (275 ref.)

ANAEROBIC BACTERIA see **BACTERIA, ANAEROBIC**

ANAEROBIC THRESHOLD

PHYSIOLOGY

[Clinical significance of the anaerobic threshold, and research prospects] Chuchalin AG, et al. **Ter Arkh** 1991;63(3):137–42 (72 ref.) **(Rus)**

ANAL DRUG ADMINISTRATION see **ADMINISTRATION, RECTAL**

ANAL SPHINCTER see **ANUS**

ANALEPTICS

Assessment of abuse liability of stimulant drugs in humans: a methodological survey. Foltin RW, et al. **Drug Alcohol Depend** 1991 Jun;28(1):3–48 (190 ref.)

ADVERSE EFFECTS

Stimulants for ADHD in child patients with Tourette's syndrome: the issue of relative risk. Gadow KD, et al. **J Dev Behav Pediatr** 1990 Oct;11(5):269–71; discussion 272 (50 ref.)

PHARMACOLOGY

Phenylalkylamine stimulants, hallucinogens, and designer drugs. Glennon RA. **NIDA Res Monogr** 1991;105:154–60 (9 ref.)
Conditioning as a critical determinant of sensitization induced by psychomotor stimulants. Pert A, et al. **NIDA Res Monogr** 1990;97:208–41 (135 ref.)
Pharmacological properties of the stimulant khat. Kalix P. **Pharmacol Ther** 1990;48(3):397–416 (215 ref.)

THERAPEUTIC USE

Effect of nootropic and psycho-stimulants on children with infantile brain damages. Vehreschild T. **Acta Paedopsychiatr** 1990;53(2):163–7 (26 ref.)
Use of psychostimulants for the elderly. Roccaforte WH, et al. **Hosp Community Psychiatry** 1990 Dec;41(12):1330–3 (21 ref.)
Clinical management of attention deficit hyperactivity disorder. Voeller KK. **J Child Neurol** 1991;6 Suppl:S51–67 (125 ref.)
Somatic therapies in geriatric psychiatry. Blake LM. **Psychiatr Med** 1991;9(2):263–73 (22 ref.)
[Stimulant therapy of hyperkinetic syndrome in childhood and adolescence] Schulz E, et al. **Z Kinder Jugenpsychiatr** 1990 Sep;18(3):157–66 (80 ref.) **(Ger)**

ANALGESIA

Alpha-2 adrenoceptor agonists: defining the role in clinical anesthesia. Maze M, et al. **Anesthesiology** 1991 Mar; 74(3):581–605 (316 ref.)
Possible mechanisms of morphine analgesia. Lipp J. **Clin Neuropharmacol** 1991 Apr;14(2):131–47 (56 ref.)
Effects of opioid peptides on peripheral stimulation and

"stress"-induced analgesia in animals. Bodnar RJ. **Crit Rev Neurobiol** 1990;6(1):39-49 (188 ref.)
Central stimulation-induced analgesia in humans--modulation by endogenous opioid peptides. Richardson DE. **Crit Rev Neurobiol** 1990;6(1):33-7 (27 ref.)
Neurobiological background of pain and analgesia: the attempt at revaluation according to position of the organism's adaptive activity. Kiyatkin EA. **Int J Neurosci** 1990 Jun;52(3-4):125-88 (287 ref.)
Indirectly intended life-shortening analgesia: clarifying the principles. Barry FR, et al. **Issues Law Med** 1990 Fall; 6(2):117-51 (133 ref.)
[Clonidine: from the treatment of hypertension to its use in anesthesia. II: Perioperative use] Bernard JM, et al. **Ann Fr Anesth Reanim** 1990;9(5):423-32 (71 ref.) **(Fre)**
[Continuous peridural analgesia-anesthesia during labor. Experiences and considerations] Cappa F, et al. **Minerva Ginecol** 1990 Dec;42(12):525-7 (9 ref.) (Eng. Abstr.) **(Ita)**

METHODS

Regional techniques for postoperative analgesia. Powell H, et al. **Br J Hosp Med** 1991 Mar;45(3):173-5 (19 ref.)
Interpleural analgesia [published erratum appears in Heart Lung 1991 Jul;20(4):413] Bragg CL. **Heart Lung** 1991 Jan; 20(1):30-8 (43 ref.)
[Analgesia accomplished by intrapleural administration of local anesthetics] Escarment J, et al. **Cah Anesthesiol** 1990 Dec;38(6):411-9 (90 ref.) **(Fre)**
[Pain and cancer] Lossignol DA. **Rev Med Brux** 1991 Jun; 12(6):215-21 (19 ref.) (Eng. Abstr.) **(Fre)**
[Principles and organization of pain therapy] Wiegand K, et al. **Z Arztl Fortbild (Jena)** 1990;84(14):709-14 (33 ref.) **(Ger)**

UTILIZATION

Clinical judgments in pain management. Lander J. **Pain** 1990 Jul;42(1):15-22 (50 ref.)

VETERINARY

Chemical restraint and analgesia in the horse. Geiser DR. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):495-512 (72 ref.)

ANALGESIA, EPIDURAL

Monitoring epidural analgesia in the parturient [see comments] Crowhurst JA, et al. **Anaesth Intensive Care** 1990 Aug;18(3):308-13 (45 ref.) Comment in: Anaesth Intensive Care 1991 Feb;19(1):130.
Epidural opioids in obstetrics--a review. Westmore MD. **Anaesth Intensive Care** 1990 Aug;18(3):292-300 (64 ref.)
Spinal opioids in the management of postoperative pain. Rubin AP. **Cah Anesthesiol** 1991;39(2):105-10 (65 ref.)
Treatment options for the relief of pain during childbirth. Brownridge P. **Drugs** 1991 Jan;41(1):69-80 (32 ref.)
The role of epidural anesthesia in trial of labor. Johnson C, et al. **Reg Anesth** 1990 Nov-Dec;15(6):304-8 (38 ref.)
[Lumbar analgesia in patients receiving anticoagulation therapy: pro et contra] Jørgensen LN. **Ugeskr Laeger** 1991 May 20;153(21):1491-4 (30 ref.) (Eng. Abstr.) **(Dan)**
[The use of opioids by the regional route in obstetrics] Bruelle P, et al. **Cah Anesthesiol** 1991;39(2):97-103 (59 ref.) (Eng. Abstr.) **(Fre)**
[Pharmacology and mechanism of action of opioids administered by the peridural route] Chauvin M. **Cah Anesthesiol** 1991;39(2):87-90 (17 ref.) (Eng. Abstr.) **(Fre)**
[Segmentary epidural analgesia: comparison of techniques] Capogna G, et al. **Minerva Anestesiol** 1990 Jul-Aug; 56(7-8):517-20 (49 ref.) **(Ita)**
[Spinal and intrapleural techniques in postoperative analgesia] Mangione S, et al. **Minerva Anestesiol** 1990 Jul-Aug; 56(7-8):353-7 (18 ref.) **(Ita)**
[Segmentary peridural analgesia in labor] Varrassi G, et al. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):511-4 (36 ref.) **(Ita)**

METHODS

Epidural medication after the initial dose: reflections on current methods of administration during labour. Brownridge P. **Anaesth Intensive Care** 1990 Aug; 18(3):300-8 (37 ref.)
[Prevention by naloxone of adverse effects of epidural morphine analgesia for cancer pain] Vedrenne JB, et al. **Ann Fr Anesth Reanim** 1991;10(2):98-103 (27 ref.) (Eng. Abstr.) **(Fre)**

NURSING

Epidural narcotics for postoperative pain: nursing implications. McNair ND. **J Neurosci Nurs** 1990 Oct; 22(5):275-9 (20 ref.)

ANALGESIA, OBSTETRICAL

Monitoring epidural analgesia in the parturient [see comments] Crowhurst JA, et al. **Anaesth Intensive Care** 1990 Aug;18(3):308-13 (45 ref.) Comment in: Anaesth Intensive Care 1991 Feb;19(1):130.
Epidural opioids in obstetrics--a review. Westmore MD. **Anaesth Intensive Care** 1990 Aug;18(3):292-300 (64 ref.)
Obstetric anesthesia and analgesia. Marx GF, et al. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):156-64 (31 ref.)
Treatment options for the relief of pain during childbirth. Brownridge P. **Drugs** 1991 Jan;41(1):69-80 (32 ref.)
The role of epidural anesthesia in trial of labor. Johnson C, et al. **Reg Anesth** 1990 Nov-Dec;15(6):304-8 (38 ref.)
[The use of opioids by the regional route in obstetrics] Bruelle P, et al. **Cah Anesthesiol** 1991;39(2):97-103 (59 ref.) (Eng. Abstr.) **(Fre)**
[Origin and conduction of pain in birth, effect of pain and analgesia on the mother, the birth process and fetus] Jurna I. **Klin Anasthesiol Intensivther** 1989;37:36-42 (39 ref.) **(Ger)**
[Systemic analgesia, sedation and inhalation analgesia] Neumark J. **Klin Anasthesiol Intensivther** 1989;37:54-62 (35 ref.) **(Ger)**
[Medicolegal aspects of obstetrical analgesia and anesthesia] Opderbecke HW. **Klin Anasthesiol Intensivther** 1989; 37:176-81 (11 ref.) **(Ger)**
[Segmentary epidural analgesia: comparison of techniques] Capogna G, et al. **Minerva Anestesiol** 1990 Jul-Aug; 56(7-8):517-20 (49 ref.) **(Ita)**
[Segmentary peridural analgesia in labor] Varrassi G, et al. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):511-4 (36 ref.) **(Ita)**

METHODS

Epidural medication after the initial dose: reflections on current methods of administration during labour. Brownridge P. **Anaesth Intensive Care** 1990 Aug; 18(3):300-8 (37 ref.)
Pain relief in labour [comment] [see comments] Reynolds F. **Br J Obstet Gynaecol** 1990 Sep;97(9):757-9 (17 ref.) Comment on: Br J Obstet Gynaecol 1990 Sep;97(9):789-96. Comment in: Br J Obstet Gynaecol 1991 Mar;98(3):333-4.
Multiple pregnancy, operative delivery, anesthesia, and analgesia. Laube DW. **Curr Opin Obstet Gynecol** 1990 Feb; 2(1):40-4 (15 ref.)

ANALGESIA, PATIENT-CONTROLLED

Treatment options for the relief of pain during childbirth. Brownridge P. **Drugs** 1991 Jan;41(1):69-80 (32 ref.)
[Patient-controlled analgesia] Scherpereel P. **Ann Fr Anesth Reanim** 1991;10(3):269-83 (118 ref.) (Eng. Abstr.) **(Fre)**
[The rational basis of patient-controlled analgesia] Savoia G. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):349-52 (7 ref.) **(Ita)**

ANALGESIA TESTS see **PAIN MEASUREMENT**

ANALGESIC CUTANEOUS ELECTROSTIMULATION see **TRANSCUTANEOUS ELECTRIC NERVE STIMULATION**

ANALGESICS

Animal conflict, analgesia and the modulatory effects of FMRFamide-related peptides. Kavaliers M. **NIDA Res Monogr** 1991;105:250-6 (21 ref.)
[Physiological and pharmacological actions of a neuroactive dipeptide, kyotorphin, and its precursor, L-arginine, and clinical application] Takagi H. **Nippon Yakurigaku Zasshi** 1990 Sep;96(3):85-96 (54 ref.) (Eng. Abstr.) **(Jpn)**
[Neuropeptide-mediated transmission of nociceptive information and its regulation. Novel mechanisms of analgesics] Kuraishi Y. **Yakugaku Zasshi** 1990 Oct; 110(10):711-26 (63 ref.) (Eng. Abstr.) **(Jpn)**
[Synthetic analgesics of a new generation in present-day anesthesiology] Petrova VV. **Anesteziol Reanimatol** 1991 Mar-Apr;(2):69-73 (80 ref.) **(Rus)**

ADMINISTRATION & DOSAGE

Improving outcomes of analgesic treatment: is education enough? [see comments] Max MB. **Ann Intern Med** 1990 Dec 1;113(11):885-9 (57 ref.) Comment in: Ann Intern Med 1991 Feb 15;114(4):342-3.
Pain control in the ambulatory elderly. Enck RE. **Geriatrics** 1991 Mar;46(3):49-53, 57-8, 60 (18 ref.)
Management of pain in the newborn infant. Colditz PB. **J Paediatr Child Health** 1991 Feb;27(1):11-5 (58 ref.)
Daily chronic headache. Saper JR. **Neurol Clin** 1990 Nov; 8(4):891-901 (28 ref.)
Clinical judgments in pain management. Lander J. **Pain** 1990 Jul;42(1):15-22 (50 ref.)
[Mass accidents from the anesthesiologic viewpoint] Tassani P, et al. **Chirurg** 1991 Apr;62(4):243-6 (17 ref.) **(Ger)**
[Spinal and intrapleural techniques in postoperative analgesia] Mangione S, et al. **Minerva Anestesiol** 1990 Jul-Aug; 56(7-8):353-7 (18 ref.) **(Ita)**
[A review of recent advances in total intravenous anesthesia] Matsuki A. **Masui** 1991 May;40(5):684-91 (29 ref.) (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Opioids and other analgesics. Adverse effects in the intensive care unit. Buck ML, et al. **Crit Care Clin** 1991 Jul; 7(3):615-37 (138 ref.)
Drug-induced dementia. Lowenthal DT, et al. **South Med J** 1991 May;84(5 Suppl 1):S24-31 (57 ref.)
[Headache caused by analgesic and/or ergotamine abuse] Panconesi A, et al. **Clin Ter** 1991 May 15;137(3):169-83 (66 ref.) (Eng. Abstr.) **(Ita)**

CHEMISTRY

Evolution of the 4-anilidopiperidine class of opioid analgesics. Bagley JR, et al. **Med Res Rev** 1991 Jul; 11(4):403-36 (80 ref.)

METABOLISM

Classical and nonclassical cannabinoids: mechanism of action--brain binding. Howlett AC, et al. **NIDA Res Monogr** 1990;96:100-11 (42 ref.)

PHARMACOKINETICS

[The pharmacokinetic characteristics of analgesics and local anesthetics] Colón Bombín T. **Cir Pediatr** 1991 Apr; 4(2):66-75 (27 ref.) (Eng. Abstr.) **(Spa)**

PHARMACOLOGY

Novel approaches in the development of new analgesics. Roques BP, et al. **Neurophysiol Clin** 1990 Nov;20(5):369-87 (31 ref.)
Development of delta opioid peptides as nonaddicting analgesics. Rapaka RS, et al. **Pharm Res** 1991 Jan;8(1):1-8 (88 ref.)
[Central adrenergic agonist agents as representatives of a new class of nonopiate analgesics] Zaitsev AA. **Farmakol Toksikol** 1991 Jan-Feb;54(1):4-8 (48 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Non-steroidal anti-inflammatory drugs versus simple analgesics in the treatment of arthritis. Sanders PA, et al. **Baillieres Clin Rheumatol** 1991 Aug;4(2):371-85 (85 ref.)
Paediatric analgesia. Which drug? Which dose? Gaukroger PB. **Drugs** 1991 Jan;41(1):52-9 (15 ref.)
Opioid agonist-antagonist drugs in acute and chronic pain states. Hoskin PJ, et al. **Drugs** 1991 Mar;41(3):326-44 (118 ref.)
Pain management in elderly people. Ferrell BA. **J Am Geriatr Soc** 1991 Jan;39(1):64-73 (94 ref.)
Acute pain and substance abuse in surgical patients. Tucker C. **J Neurosci Nurs** 1990 Dec;22(6):339-49 (32 ref.)
Controversies in the long-term management of analgesic therapy in patients with advanced cancer. Portenoy RK, et al. **J Palliat Care** 1991 Summer;7(2):13-24 (68 ref.)
Modern pharmacotherapy of migraine. Raskin NH. **Neurol Clin** 1990 Nov;8(4):857-65 (45 ref.)
Pain management. Slack J, et al. **Nurs Clin North Am** 1991 Jun;26(2):463-76 (63 ref.)
Help for the hurting elderly. Safe use of drugs to relieve pain. Egbert AM. **Postgrad Med** 1991 Mar;89(4):217-22, 225, 228 (28 ref.)
[Therapy with analgesics and anti-rheumatic agents in the aged] Hackenthal E. **Verh Dtsch Ges Inn Med** 1990; 96:274-85 (95 ref.) **(Ger)**
[Therapy of headache with analgesics] Scherber A. **Z Arztl Fortbild (Jena)** 1991 Jan 25;85(1-2):69-71 (5 ref.) **(Ger)**

ANALGESICS, ADDICTIVE

Spinal opioids in the management of postoperative pain. Rubin AP. **Cah Anesthesiol** 1991;39(2):105-10 (65 ref.)
[The use of opioids by the regional route in obstetrics] Bruelle P, et al. **Cah Anesthesiol** 1991;39(2):97-103 (59 ref.) (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

[Anesthetics responsible for anaphylactic shock. A French multicenter study] Laxenaire MC, et al. **Ann Fr Anesth Reanim** 1990;9(6):501-6 (21 ref.) (Eng. Abstr.) **(Fre)**
[Secondary effects of opioids administered by the regional route] Ecoffey C. **Cah Anesthesiol** 1991;39(2):115-9 (47 ref.) (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

Recovery from anesthesia. Opioid antagonists. Alfillé PH, et al. **Int Anesthesiol Clin** 1991 Spring;29(2):83-92 (31 ref.)

PHARMACOLOGY

[Pharmacology and mechanism of action of opiates administered by the subarachnoid route] Bonnet F, et al. **Cah Anesthesiol** 1991;39(2):83-6 (37 ref.) (Eng. Abstr.) **(Fre)**
[Mechanism of action and clinical use of opioids administered by the peripheral perineural route] Boogaerts J, et al. **Cah Anesthesiol** 1991;39(2):91-5 (52 ref.) (Eng. Abstr.) **(Fre)**
[Pharmacology and mechanism of action of opioids administered by the peridural route] Chauvin M. **Cah Anesthesiol** 1991;39(2):87-90 (17 ref.) (Eng. Abstr.) **(Fre)**
[Non-analgesic effects of opioids] Eledjam JJ, et al.

Can Anesthesiol 1991;39(2):111–4 (41 ref.) (Eng. Abstr.) **(Fre)**

[Opioids by the perimedullary route: mechanisms of opioid analgesia] Viel E, et al. **Can Anesthesiol** 1991;39(2):75–82 (96 ref.) (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Sedation, pain relief, and neuromuscular blockade in the postoperative cardiac surgical patient. Coyle JP. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):81–7 (38 ref.)

[The use of opioids by the regional route in the treatment of pain] Roquefeuil B. **Can Anesthesiol** 1991;39(2):121–5 (17 ref.) (Eng. Abstr.) **(Fre)**

ANALGESICS, ANTI-INFLAMMATORY see **ANTI-INFLAMMATORY AGENTS, NON-STEROIDAL**

ANALOG-DIGITAL CONVERSION

Coherent average technique—a tutorial review. Goovaerts HG, et al. **J Biomed Eng** 1991 Jul;13(4):275–80 (9 ref.)

ANALOGUE PAIN SCALE see **PAIN MEASUREMENT**

ANAPHYLACTOID PURPURA see **PURPURA, SCHOENLEIN-HENOCH**

ANAPHYLAXIS

see related
SRS-A

Anaphylaxis. Fisher MM. **Acute Care** 1988–89;14–15:47–70 (124 ref.)

Anaphylaxis. Bochner BS, et al. **N Engl J Med** 1991 Jun 20;324(25):1785–90 (50 ref.)

CHEMICALLY INDUCED

Anaphylactoid reactions to radiocontrast material. Liebemman P. **Ann Allergy** 1991 Aug;67(2 Pt 1):91–100 (138 ref.)

Anaphylactic shock associated with chymopapain skin test. A case report and review of the literature. Pinkowski JL, et al. **Clin Orthop** 1990 Nov;(260):186–90 (23 ref.)

Anaphylactoid reactions to glycopeptide antibiotics. Polk RE. **J Antimicrob Chemother** 1991 Apr;27 Suppl B:17–29 (59 ref.)

Anaphylactoid reaction to intravenous hydrocortisone sodium succinate: a case report and literature review [see comments] Fulcher DA, et al. **Med J Aust** 1991 Feb 4; 154(3):210–4 (33 ref.) Comment in: Med J Aust 1991 Jun 3;154(11):783–4.

Trimethoprim-sulfamethoxazole anaphylactoid reactions in patients with AIDS: case reports and literature review. Johnson MP, et al. **Pharmacotherapy** 1990;10(6):413–6 (19 ref.)

[Anesthetics responsible for anaphylactic shock. A French multicenter study] Laxenaire MC, et al. **Ann Fr Anesth Reanim** 1990;9(6):501–6 (21 ref.) (Eng. Abstr.) **(Fre)**

[Severe anaphylactoid reactions after intravenous corticosteroids. Report of a case and review of the literature] Laine-Cessac P, et al. **Therapie** 1990 Nov-Dec; 45(6):505–8 (17 ref.) (Eng. Abstr.) **(Fre)**

[Adverse reactions to intravenous contrast media] Ryś A, et al. **Pol Tyg Lek** 1990 Nov 19–26;45(47–48):974–7 (26 ref.) **(Pol)**

[Errors in antibiotic therapy] Poliak MS. **Antibiot Khimioter** 1990 Aug;35(8):48–51 (22 ref.) **(Rus)**

COMPLICATIONS

Acute colorectal ischaemia after anaphylactoid shock. Travis S, et al. **Gut** 1991 Apr;32(4):443–6 (38 ref.)

ETIOLOGY

Local anesthetic allergy. Its recognition and avoidance. Glinert RJ, et al. **J Dermatol Surg Oncol** 1991 Jun; 17(6):491–6 (22 ref.)

Sulfated surfaces in sensitivity: an 'on-off' switch for anaphylaxis? Lasser EC. **Med Hypotheses** 1991 Jan; 34(1):13–9 (48 ref.)

[Lethal shock after fluorescein angiography. A case (letter)] Tondriaux A, et al. **Ann Med Interne (Paris)** 1990; 141(7):630–1 (9 ref.) **(Fre)**

[A case of food-dependent exercise-induced anaphylaxis] Watanabe T, et al. **Arerugi** 1990 Nov;39(11):1523–8 (32 ref.) (Eng. Abstr.) **(Jpn)**

[Insect-induced allergy in children] Omel'nitskaia IP, et al. **Pediatriia** 1990;(7):88–92 (74 ref.) **(Rus)**

IMMUNOLOGY

[The so-called "idiopathic" anaphylaxis: allergic and pseudo-allergic reactions] Moneret-Vautrin DA, et al. **Allerg Immunol (Paris)** 1991 Mar;23(3):89–93 (35 ref.) (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

The use of antihistamines in the prevention and treatment of anaphylaxis and anaphylactoid reactions. Lieberman P. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 2):684–6 (8 ref.)

ANAPLASMATACEAE INFECTIONS

VETERINARY

Canine haemobartonellosis, canine hepatozoonosis, and feline cytauxzoonosis. Hoskins JD. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):129–40 (45 ref.)

ANAPLASMOSIS

PREVENTION & CONTROL

Methods currently used for the control of anaplasmosis and babesiosis: their validity and proposals for future control strategies. Lawrence JA, et al. **Parassitologia** 1990 Apr; 32(1):63–71 (10 ref.)

ANASTOMOSIS, SURGICAL

[Inflammation of the ileal reservoir after ileo-anal anastomosis with a reservoir] Gendre JP. **Ann Gastroenterol Hepatol (Paris)** 1990 Nov;26(6):251–3 (22 ref.) **(Fre)**

[Functional results of ileo-rectal and ileo-anal reservoirs after complete colectomy for inflammatory disease (ulcero-hemorrhagic recto-colitis)] Mignon M, et al. **Ann Gastroenterol Hepatol (Paris)** 1990 Nov;26(6):247–50 (22 ref.) **(Fre)**

INSTRUMENTATION

[Surgical dissection and anastomosis in medicine—from the viewpoint of technique] Reidenbach HD. **Biomed Tech (Berlin)** 1990;35 Suppl 3:1–9 (11 ref.) **(Ger)**

METHODS

Surgical options in ulcerative colitis: role of ileo-anal anastomosis. Keighley MR, et al. **Aust N Z J Surg** 1990 Nov;60(11):835–48 (120 ref.)

Type IVa choledochal cysts: surgical management and literature review. Thambi Dorai CR, et al. **Aust N Z J Surg** 1991 Jul;61(7):505–10 (21 ref.)

New hope and promise for sphincter preservation in the management of cancer of the rectum. Marks G, et al. **Semin Oncol** 1991 Aug;18(4):388–98 (51 ref.)

[Peranal anastomosis after deep resection of the rectum] Eigler FW. **Chirurg** 1991 Jan;62(1):12–6 (14 ref.) **(Ger)**

ANATOMIC MODELS see **MODELS, ANATOMIC**

ANATOMY

see related
DISSECTION

Positioning principles. An anatomical review. Smith KA. **AORN J** 1990 Dec;52(6):1196–202, 1204, 1206–8 (11 ref.)

ANCHORED PCR see **POLYMERASE CHAIN REACTION**

ANCILLARY INFORMATION SYSTEMS see **INFORMATION SYSTEMS**

ANCYLOSTOMIASIS

COMPLICATIONS

[Uncinariasis in younger infants] Bestard JJ, et al. **Bol Med Hosp Infant Mex** 1990 Jun;47(6):376–81 (43 ref.) (Eng. Abstr.) **(Spa)**

ANDRESEN APPLIANCE see **ACTIVATOR APPLIANCES**

ANDROGEN ANTAGONISTS

ADMINISTRATION & DOSAGE

[Effect of tegafur administration combined with hormonal therapy in patients with newly diagnosed stage D prostatic cancer] Kobayashi N, et al. **Hinyokika Kiyo** 1990 Jul; 36(7):793–800 (28 ref.) (Eng. Abstr.) **(Jpn)**

PHARMACOKINETICS

Pharmacokinetics and metabolism of nilutamide. Creaven PJ, et al. **Urology** 1991;37(2 Suppl):13–9 (6 ref.)

PHARMACOLOGY

Pharmacology of antiandrogens and value of combining androgen suppression with antiandrogen therapy. Gaillard-Moguilewsky M. **Urology** 1991;37(2 Suppl):5–12 (41 ref.)

THERAPEUTIC USE

Long-term treatment with antiandrogens. Rasmussen F. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):917–9 (15 ref.)

Hormone therapy of advanced prostate cancer: where we stand today. Crawford ED, et al. **Oncology (Williston Park)** 1991 Jan;5(1):21–30; discussion 30, 32, 37 (73 ref.)

Is there a case for total androgen blockade? Iversen P. **Prog Clin Biol Res** 1990;359:109–15; discussion 141–53 (15 ref.)

Principles of androgen deprivation. Neumann F, et al. **Prog Clin Biol Res** 1990;359:75–83; discussion 105–7 (8 ref.)

Reasons against total androgen suppression. Robinson MR. **Prog Clin Biol Res** 1990;359:117–24; discussion 141–53 (18 ref.)

Pure antiandrogens as monotherapy in prospective studies of prostatic carcinoma. Schröder FH. **Prog Clin Biol Res** 1990;359:93–103; discussion 105–7 (18 ref.)

Antiandrogenic substances in the management of prostatic cancer. Schröder FH. **Recent Results Cancer Res** 1990; 118:163–73 (29 ref.)

Development of hormone refractory tumors: adaption versus clonal selection. Schulze H, et al. **Recent Results Cancer Res** 1990;118:153–62 (49 ref.)

Use of cyproterone acetate in prostate cancer. Goldenberg SL, et al. **Urol Clin North Am** 1991 Feb;18(1):111–22 (61 ref.)

Use of the nonsteroidal anti-androgen Casodex in advanced prostatic carcinoma. Kennealey GT, et al. **Urol Clin North Am** 1991 Feb;18(1):99–110 (43 ref.)

Advanced prostatic carcinoma. Early versus late endocrine therapy. Kozlowski JM, et al. **Urol Clin North Am** 1991 Feb;18(1):15–24 (70 ref.)

Physiologic basis of endocrine therapy for prostatic cancer. McConnell JD. **Urol Clin North Am** 1991 Feb;18(1):1–13 (96 ref.)

Castration plus nilutamide vs castration plus placebo in advanced prostate cancer. A review. Du Plessis DJ. **Urology** 1991;37(2 Suppl):20–4 (12 ref.)

[Anti-androgen therapy in the female] Schindler AE. **Geburtshilfe Frauenheilkd** 1990 Oct;50(10):749–53 (31 ref.) (Eng. Abstr.) **(Ger)**

[Results of total androgenic blockade for the treatment of disseminated cancer of the prostate] Miján Ortiz JL, et al. **Actas Urol Esp** 1990 Sep-Oct;14(5):325–9 (21 ref.) (Eng. Abstr.) **(Spa)**

ANDROGEN RECEPTORS see **RECEPTORS, ANDROGEN**

ANDROGENS

Incidence of the nonmedical use of anabolic-androgenic steroids. Yesalis CE, et al. **NIDA Res Monogr** 1990; 102:97–112 (51 ref.)

Indications of psychological dependence among anabolic-androgenic steroid abusers. Yesalis CE, et al. **NIDA Res Monogr** 1990;102:196–214 (67 ref.)

ADVERSE EFFECTS

Reappraisal of the health risks associated with the use of high doses of oral and injectable androgenic steroids. Friedl KE. **NIDA Res Monogr** 1990;102:142–77 (209 ref.)

Anabolic-androgenic steroid-induced mental status changes. Katz DL, et al. **NIDA Res Monogr** 1990;102:215–23 (21 ref.)

[Use and abuse of androgens; side effects and risks] Polderman KH, et al. **Ned Tijdschr Geneeskd** 1990 Nov 17;134(46):2233–7 (26 ref.) **(Dut)**

[Liver tumors caused by androgenic steroids] Balázs M, et al. **Orv Hetil** 1990 Nov 11;131(45):2485–8 (45 ref.) (Eng. Abstr.) **(Hun)**

BLOOD

Steroid cell tumor of the ovary in a child. Harris AC, et al. **Arch Pathol Lab Med** 1991 Feb;115(2):150–4 (21 ref.)

[Anti-androgen therapy in the female] Schindler AE. **Geburtshilfe Frauenheilkd** 1990 Oct;50(10):749–53 (31 ref.) (Eng. Abstr.) **(Ger)**

[Androgenetic alopecia in women] Berger T, et al. **Hautarzt** 1991 Mar;42(3):201–10 (9 ref.) **(Ger)**

[Hirsutism and androgenic menstrual cycle irregularities] Carol W, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25; 85(3–4):153–7 (9 ref.) **(Ger)**

METABOLISM

Hyperandrogenic disorders. Barbieri RL. **Clin Obstet Gynecol** 1990 Sep;33(3):640–54 (33 ref.)

Reproductive steroid hormones: generation, degradation, reception, and action. Witt BR, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):563–75 (16 ref.)

On the paradox of insulin-induced hyperandrogenism in insulin-resistant states. Poretsky L. **Endocr Rev** 1991 Feb; 12(1):3–13 (152 ref.)

[Relation between sex hormones and their receptors and laryngeal cancers] Cai W, et al. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1988;23(4):246–8 (15 ref.) **(Chi)**

PHARMACOLOGY

Androgen-primed chemotherapy-experimental confirmation of efficacy. Santen RJ, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1115–20 (13 ref.)

History of anabolic-androgenic steroids. Kochakian CD. **NIDA Res Monogr** 1990;102:29–59 (99 ref.)

Anabolic-androgenic steroids. Lombardo JA.

NIDA Res Monogr 1990;102:60–73 (59 ref.)
Anabolic–androgenic steroids profoundly affect growth at puberty in boys. Rogol AD, et al. **NIDA Res Monogr** 1990; 102:187–95 (16 ref.)
Gonadal hormones, sex and behavior. Halbreich U, et al. **Psychopharmacol Bull** 1990;26(3):297–301 (20 ref.)
Psychological and behavioural effects of endogenous testosterone levels and anabolic–androgenic steroids among males. A review. Bahrke MS, et al. **Sports Med** 1990 Nov; 10(5):303–37 (278 ref.)

PHYSIOLOGY

Molecular basis of androgen regulation of male phenotypic variation. Catterall JF, et al. **Ann N Y Acad Sci** 1991; 626:92–100 (16 ref.)
Endocrine control of plasma lipoprotein metabolism: effects of gonadal steroids. Crook D, et al.
Baillieres Clin Endocrinol Metab 1990 Dec;4(4):851–75 (165 ref.)
Hepatic regeneration. Effects of age, sex hormone status, prolactin, and cyclosporine. Van Thiel DH, et al.
Dig Dis Sci 1991 Sep;36(9):1309–12 (37 ref.)
Sex steroids and osteoporosis: effects of deficiencies and substitutive treatments. Schot LP, et al.
J Steroid Biochem Mol Biol 1990 Oct;37(2):167–82 (182 ref.)
Testicular descent: new insights into its hormonal control. Hutson JM, et al. **Oxf Rev Reprod Biol** 1990;12:1–56 (227 ref.)
[Endocrinologic diagnosis in hirsutism and androgenetic alopecia in women] Pichl J, et al. **Z Hautkr** 1990 Dec; 65(12):1103–4, 1109–11 (10 ref.) (Eng. Abstr.) **(Ger)**

SECRETION

Glucocorticoid therapy in hyperandrogenism. Steinberger E, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):457–71 (55 ref.)
Adrenal androgen secretion and biologic effects. Meikle AW, et al. **Endocrinol Metab Clin North Am** 1991 Jun; 20(2):381–400 (79 ref.)
Adrenarche. Parker LN.
Endocrinol Metab Clin North Am 1991 Mar;20(1):71–83 (39 ref.)
Control of adrenal androgen secretion. Parker LN.
Endocrinol Metab Clin North Am 1991 Jun;20(2):401–21 (85 ref.)
The ubiquitous polycystic ovary. Franks S. **J Endocrinol** 1991 Jun;129(3):317–9 (34 ref.)
The control of adrenal androgen secretion. McKenna TJ, et al. **J Endocrinol** 1991 Apr;129(1):1–3 (17 ref.)
Hyperandrogenism in peripubertal girls. Rosenfield RL.
Pediatr Clin North Am 1990 Dec;37(6):1333–58 (75 ref.)
Principles of androgen deprivation. Neumann F, et al.
Prog Clin Biol Res 1990;359:75–83; discussion 105–7 (8 ref.)

THERAPEUTIC USE

Biological basis for chemohormonal therapy for prostatic cancer. Isaacs JT, et al. **Cancer Treat Res** 1989;46:177–93 (57 ref.)
Hormonal manipulation of human hepatocellular carcinoma. A clinical investigative and therapeutic opportunity. Carr BI, et al. **J Hepatol** 1990 Nov;11(3):287–9 (30 ref.)
[Androgen treatment of hematologic diseases] Huang ZL. **Chung Hua Nei Ko Tsa Chih** 1990 Apr;29(4):239–42 (19 ref.) **(Chi)**

5-ANDROSTANE-3,17-DIOL

ANALOGS & DERIVATIVES

[Determinations of steroidal muscle relaxants and their metabolites] Fukushima K, et al. **Masui** 1991 Jan; 40(1):101–4 (15 ref.) (Eng. Abstr.) **(Jpn)**

BLOOD

[Age-related changes in plasma androstanediol glucuronide in men] Nahoul K, et al. **Pathol Biol (Paris)** 1990 Nov; 38(9):928–34 (47 ref.) (Eng. Abstr.) **(Fre)**

ANDROSTENES

THERAPEUTIC USE

The clinical development of a 5 alpha-reductase inhibitor, finasteride. Stoner E. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):375–8 (12 ref.)

ANEMIA

BLOOD

Erythropoiesis and erythropoietin levels in renal transplant recipients. Wolff M, et al. **Klin Wochenschr** 1991 Jan 22; 69(2):53–8 (68 ref.)
Erythropoietin titers in health and disease. Erslev AJ.
Semin Hematol 1991 Jul;28(3 Suppl 3):2–7; discussion 7–8 (28 ref.)

COMPLICATIONS

Anemia: a potent modulator of renal hemodynamics in models of progressive renal disease. Lafferty HM, et al.
Am J Kidney Dis 1991 May;17(5 Suppl 1):2–7 (48 ref.)
The anemia of chronic disease. Lipschitz DA.
J Am Geriatr Soc 1990 Nov;38(11):1258–64 (18 ref.)

DIAGNOSIS

Determining the cause of anemia. General approach, with emphasis on microcytic hypochromic anemias. Brown RG.
Postgrad Med 1991 May 1;89(6):161–4, 167–70 (2 ref.)
[Determination of erythropoietin activity in serum. Methods, indications and interpretation of the data] Jelkmann W, et al. **Dtsch Med Wochenschr** 1991 Feb 8;116(6):230–4 (38 ref.) **(Ger)**
[Fetal anemia] Brusis E, et al. **Gynakologe** 1990 Oct; 23(5):273–8 (33 ref.) **(Ger)**
[Anemia] Miyazaki T. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):462–6 (11 ref.) **(Jpn)**

DRUG THERAPY

Treatment of renal anemia, 1960–1990. Koch KM, et al.
Adv Nephrol Necker Hosp 1991;20:19–30 (48 ref.)
Recombinant human erythropoietin and renal anemia: molecular biology, clinical efficacy, and nervous system effects [see comments] Nissenson AR, et al.
Ann Intern Med 1991 Mar 1;114(5):402–16 (148 ref.)
Comment in: Ann Intern Med 1991 Jun 15;114(12):1063.
Erythropoietin: issues in its use as a therapeutic for the anemia of chronic renal failure. Eschbach JW, et al.
Blood Purif 1990;8(5):239–54 (85 ref.)
Hypertension as a possible complication of recombinant human erythropoietin therapy. Brunkhorst R, et al.
Contrib Nephrol 1991;88:118–25; discussion 126 (29 ref.)
Treatment of patients with anemia of malignancy with recombinant human erythropoietin. Herrmann F, et al.
Contrib Nephrol 1991;88:238–45; discussion 246–7 (15 ref.)
Renal function of pre-dialysis patients during treatment with recombinant human erythropoietin. Koene RA, et al.
Contrib Nephrol 1991;88:192–9; discussion 200 (16 ref.)
Erythropoietin: evolving clinical applications. Abels RI, et al. **Exp Hematol** 1991 Sep;19(8):842–50 (79 ref.)
Recombinant erythropoietin and chronic renal failure. Lundin AP. **Hosp Pract (Off Ed)** 1991 Apr 15;26(4):61–9 (10 ref.)
Recombinant erythropoietin. Christensen RD. **Pediatr Rev** 1991 Feb;12(8):244–8 (20 ref.)
Management of the chronic renal failure patient receiving epoetin alfa for the treatment of anemia. Binkley LS.
Transplant Proc 1991 Apr;23(2):1831–2 (6 ref.)
Erythropoietin: current status. Bunn HF.
Yale J Biol Med 1990 Sep–Oct;63(5):381–6 (18 ref.)
[The importance of erythropoietin in the therapy of anemia in patients on chronic hemodialysis] von Appen K, et al.
Urol Nefrol (Mosk) 1990 Nov–Dec;(6):69–70 (6 ref.) **(Rus)**
[Treatment with cyclosporin A of the anemia associated with chronic lymphatic leukemia] Rozman M, et al.
Sangre (Barc) 1990 Aug;35(4):321–5 (26 ref.) (Eng. Abstr.) **(Spa)**
[Erythropoietin is highly effective in renal anemia but should be prescribed with caution] Bárány P. **Lakartidningen** 1991 Sep 4;88(36):2855–7 (15 ref.) **(Swe)**

ETIOLOGY

Malnutrition and infections as causes of childhood anemia in tropical Africa. Kasili EG.
Am J Pediatr Hematol Oncol 1990 Fall;12(3):375–7 (15 ref.)
The anemia of chronic renal failure: pathophysiology and effects of recombinant erythropoietin. Eschbach JW, et al.
Contrib Nephrol 1990;78:24–36; discussion 37 (85 ref.)
Hypoproteinemia, anemia, and failure to thrive in an infant. Bires JE, et al. **Gastroenterology** 1991 Sep;101(3):848–56 (74 ref.)
Pachydermoperiostosis with myelofibrosis and anemia: report of a case of anemia of multifactorial causes and its improvement with steroid pulse and iron therapy. Tanaka H, et al. **Jpn J Med** 1991 Jan–Feb;30(1):73–80 (12 ref.)
A three-point approach to anemia. Welborn JL, et al.
Postgrad Med 1991 Feb 1;89(2):179–83, 186 (5 ref.)
Anaemias. Beddall A. **Practitioner** 1990 Jul 16; 234(1492):713–5 (6 ref.)
Radiotherapy and anaemia—the clinical experience. Dische S. **Radiother Oncol** 1991;20 Suppl 1:35–40 (23 ref.)
Management of the hematologic complications of human immunodeficiency virus infection. Groopman JE.
Rev Infect Dis 1990 Sep–Oct;12(5):931–7 (8 ref.)
Anemia associated with pregnancy in a cyclosporine-treated renal allograft recipient. Zeidan BS, et al.
Transplant Proc 1991 Aug;23(4):2301–3 (20 ref.)
[Fetomaternal hemorrhage: a cause of fetal morbidity and mortality] Frikiche A, et al. **Rev Med Liege** 1990 Oct; 45(10):498–503 (30 ref.) **(Fre)**
[Recombinant human erythropoietin in the therapy of anemia in hemodialyzed patients] Kakuk G, et al. **Orv Hetil** 1990 Oct 28;131(43):2365–6, 2369–71 (35 ref.) (Eng. Abstr.) **(Hun)**
[Requirements of nutrients which participate in erythropoiesis] Layrisse M, et al. **Arch Latinoam Nutr** 1988 Sep;38(3):622–46 (101 ref.) (Eng. Abstr.) **(Spa)**
[Plasma and erythrocyte changes produced after running a marathon] Rubio de Val A, et al. **Sangre (Barc)** 1991 Apr; 36(2):123–7 (67 ref.) **(Spa)**

IMMUNOLOGY

Immune activation and the anaemia associated with chronic inflammatory disorders. Fuchs D, et al.
Eur J Haematol 1991 Feb;46(2):65–70 (51 ref.)

PHYSIOPATHOLOGY

Pregnancy-associated hypoplastic anemia: a review. Snyder TE, et al. **Obstet Gynecol Surv** 1991 May;46(5):264–9 (47 ref.)
[Liver and erythron] Sánchez-Fayos MP, et al.
Sangre (Barc) 1991 Feb;36(1):29–36 (58 ref.) **(Spa)**

THERAPY

The future of cytokine combination therapy. Moore MA.
Cancer 1991 May 15;67(10 Suppl):2718–26 (57 ref.)
The use of recombinant human erythropoietin (rHuEpo) in humans. Adamson JW, et al. **Cancer Surv** 1990;9(1):157–67 (25 ref.)
Adverse cardiovascular effects of partial correction of renal anemia by recombinant human erythropoietin. Frei U, et al. **Contrib Nephrol** 1990;82:72–8 (34 ref.)

ANEMIA, ADDISON'S see **ANEMIA, PERNICIOUS**

ANEMIA, APLASTIC

CHEMICALLY INDUCED

Aplastic anemia associated with antithyroid drugs. Biswas N, et al. **Am J Med Sci** 1991 Mar;301(3):190–4 (36 ref.)
Drug-induced aplastic anemia: pathogenesis and clinical aspects. Malkin D, et al. **Am J Pediatr Hematol Oncol** 1990 Winter;12(4):402–10 (62 ref.)
Chloramphenicol 1. Hazards of use and the current regulatory environment. Page SW. **Aust Vet J** 1991 Jan; 68(1):1–2 (29 ref.)
A review of carbamazepine's hematologic reactions and monitoring recommendations. Sobotka JL, et al. **DICP** 1990 Dec;24(12):1214–9 (89 ref.)

CLASSIFICATION

[Pathogenesis and treatment of myelodysplastic syndromes and hypoplastic anemia] Gavrilov OK, et al.
Klin Med (Mosk) 1990 Aug;68(8):23–6 (24 ref.) **(Rus)**

DRUG THERAPY

Use of hematopoietic growth factors for treatment of aplastic anemia. Smith DH. **Am J Pediatr Hematol Oncol** 1990 Winter;12(4):425–33 (38 ref.)

ETIOLOGY

Etiologic mechanisms of hematopoietic failure. Frickhofen N, et al. **Am J Pediatr Hematol Oncol** 1990 Winter; 12(4):385–95 (113 ref.)
[Acquired erythroblastopenia] Varet B, et al.
Rev Med Interne 1989 Nov–Dec;10(6):537–40 (69 ref.) **(Fre)**
[Pathogenesis and treatment of myelodysplastic syndromes and hypoplastic anemia] Gavrilov OK, et al.
Klin Med (Mosk) 1990 Aug;68(8):23–6 (24 ref.) **(Rus)**

IMMUNOLOGY

Etiological mechanisms in immune-mediated aplastic anemia. Torok-Storb B. **Am J Pediatr Hematol Oncol** 1990 Winter; 12(4):396–401 (38 ref.)

SURGERY

Bone marrow transplantation for severe aplastic anaemia: cost/benefit of increased immunosuppression.
Gordon-Smith EC. **Bone Marrow Transplant** 1991;7 Suppl 2:103–5 (17 ref.)
Severe aplastic anaemia: the patient without a HLA-identical sibling. Hows JM. **Br J Haematol** 1991 Jan;77(1):1–4 (26 ref.)
Bone marrow transplantation for aplastic anemia: recent advances and comparisons with alternative therapies. Champlin RE. **Cancer Treat Res** 1990;50:185–99 (72 ref.)
Marrow transplantation for severe aplastic anemia and thalassemia major. Storb R, et al. **Semin Hematol** 1991 Jul; 28(3):235–9 (7 ref.)

THERAPY

Immunosuppressive therapy for aplastic anemia: indications, agents, mechanisms, and results. Camitta BM, et al.
Am J Pediatr Hematol Oncol 1990 Winter;12(4):411–24 (64 ref.)
Aplastic anaemia: continued cause for concern. Webb DK.
Arch Dis Child 1990 Oct;65(10):1105–6 (29 ref.)
New approach of treatment of severe aplastic anemia. Cooperative Group on the Treatment of Aplastic Anemia. Gluckman E, et al. **Bone Marrow Transplant** 1991;7 Suppl 2:106–7 (14 ref.)
Management of aplastic anemia. Nissen C, et al.
Eur J Haematol 1991 Apr;46(4):193–7 (55 ref.)
Treatment of refractory aplastic anemia with plasmapheresis: report of a case in childhood with review of the literature. Austgulen R, et al. **Pediatr Hematol Oncol** 1990;7(3):285–96 (42 ref.)

[Current status of the drug therapy of sever aplastic anemia] Zhang MH. **Chung Hua Nei Ko Tsa Chih** 1991 May; 30(5):302–4 (13 ref.) **(Chi)**

[Bone marrow transplantation in the treatment of severe aplastic anemia] Locatelli F, et al. **Pediatr Med Chir** 1991 Jan–Feb;13(1):31–4 (15 ref.) (Eng. Abstr.) **(Ita)**

[Bone marrow transplantation in leukemia and aplastic anemia in children] Ortega Aramburu JJ. **An Esp Pediatr** 1989 Sep;31 Suppl 39:103–9 (41 ref.) **(Spa)**

ANEMIA, COOLEY'S see **THALASSEMIA**

ANEMIA, ERYTHROBLASTIC see **THALASSEMIA**

ANEMIA, FANCONI see **FANCONI'S ANEMIA**

ANEMIA, HEMOLYTIC

CHEMICALLY INDUCED

Hemolytic reactions to nitrofurantoin in patients with glucose-6-phosphate dehydrogenase deficiency: theory and practice. Gait JE. **DICP** 1990 Dec;24(12):1210–3 (10 ref.)

COMPLICATIONS

Malignant nephrosclerosis in women post partum. A note on microangiopathic hemolytic anemia. Scheer RL, et al. **JAMA** 1967 Aug 21;201(8):600–4 (22 ref.)

ETIOLOGY

[Sarcoidosis associated with hemolytic anemia and autoimmune thrombocytopenia (letter)] Bourgain C, et al. **Ann Med Interne (Paris)** 1990;141(7):625–6 (9 ref.) **(Fre)**

[Severe alcoholic cirrhosis associated with spur cell anemia and DIC] Fukuda T, et al. **Fukuoka Igaku Zasshi** 1991 Jun;82(6):398–402 (18 ref.) (Eng. Abstr.) **(Jpn)**

[Hemolytic anemias caused by erythrocyte enzyme disorders] Maldonado Martín A, et al. **An Med Interna** 1989 May; 6(5):266–73 (46 ref.) (Eng. Abstr.) **(Spa)**

GENETICS

Hereditary high phosphatidylcholine hemolytic anemia: report of a new family and review of the literature. Shojania AM, et al. **Clin Invest Med** 1990 Dec;13(6):313–21 (33 ref.)

Unstable hemoglobins. Ohba Y. **Hemoglobin** 1990; 14(4):353–88 (203 ref.)

IMMUNOLOGY

Immune haemolytic anaemia and thrombocytopenia: drugs and autoantibodies. Murphy WG, et al. **Biochem Soc Trans** 1991 Feb;19(1):183–6 (16 ref.)

ANEMIA, HEMOLYTIC, ACQUIRED see **ANEMIA, HEMOLYTIC**

ANEMIA, HEMOLYTIC, AUTOIMMUNE

CHEMICALLY INDUCED

[Hemolytic anemia induced by Chelidonium majus. Clinical case] Pinto García V, et al. **Sangre (Barc)** 1990 Oct; 35(5):401–3 (6 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Ulcerative lesions and herpes simplex virus type 2 in a patient with Evan's syndrome. Wilson DC, et al. **South Med J** 1990 Dec;83(12):1484–6 (18 ref.)

[Primary hepatic lymphoma in a patient with autoimmune hemolytic anemia and SLE] Yoshimoto T, et al. **Rinsho Ketsueki** 1990 Nov;31(11):1878–83 (16 ref.) (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Evans' syndrome associated with gastric plasmacytoma: case report and a review of the literature. Yonekura S, et al. **Jpn J Med** 1990 Sep–Oct;29(5):512–5 (10 ref.)

IMMUNOLOGY

Life-threatening, antiglobulin test-negative, acute autoimmune hemolytic anemia due to a non-complement-activating IgG1 kappa cold antibody with Pra specificity. Curtis BR, et al. **Transfusion** 1990 Nov–Dec;30(9):838–43 (30 ref.)

[Carbohydrate auto-antigens in auto-immune hemolytic anemia] Kannagi R, et al. **Rinsho Ketsueki** 1991 Jun; 32(6):599–605 (22 ref.) (Eng. Abstr.) **(Jpn)**

ANEMIA, HEMOLYTIC, CONGENITAL

[The red blood cell membrane skeleton and hereditary hemolytic anemias caused by its abnormalities] Lahav M, et al. **Harefuah** 1991 Feb 15;120(4):195–9 (46 ref.) **(Heb)**

ANEMIA, HEMOLYTIC, IDIOPATHIC ACQUIRED see **ANEMIA, HEMOLYTIC, AUTOIMMUNE**

ANEMIA, HYPOCHROMIC

[Iron deficiency, yesterday, today and always] López Gómez L, et al. **Sangre (Barc)** 1990 Aug;35(4):299–305 (110 ref.) **(Spa)**

BLOOD

[Laboratory diagnosis of anemias involving disorders of iron metabolism] Tkach IuI. **Lab Delo** 1990;(12):40–5 (15 ref.) **(Rus)**

[Usefulness of the determination of free erythrocyte protoporphyrin in relation to other hematologic parameters in iron deficiency] García-Cubillana de la Cruz JM, et al. **An Esp Pediatr** 1990 Aug;33(2):129–34 (33 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

[Current state of the problem of anemia in pregnancy and the corrective therapy of postpartum hemorrhage] Saburov KhS, et al. **Akush Ginekol (Mosk)** 1990 Jul;(7):10–2 (45 ref.) **(Rus)**

DIAGNOSIS

Disorders of inadequate iron. Green R. **Hosp Pract (Off Ed)** 1991 Apr;26 Suppl 3:25–9 (0 ref.)

Iron: nutrition monitoring and nutrition status assessment. Johnson MA. **J Nutr** 1990 Nov;120 Suppl 11:1486–91 (26 ref.)

DRUG THERAPY

The use of erythropoietin in renal failure. Macdougall IC, et al. **Postgrad Med J** 1991 Jan;67(783):9–15 (83 ref.)

[Evaluation of the effectiveness of gastro-protected proteoferrin in the therapy of sideropenic anemia in childhood] Burattini MG, et al. **Minerva Pediatr** 1990 Sep; 42(9):343–7 (24 ref.) (Eng. Abstr.) **(Ita)**

EPIDEMIOLOGY

Epidemiology of hypochromic anaemia in young children. Stevens D. **Arch Dis Child** 1991 Jul;66(7):886–9 (39 ref.)

Iron deficiency: prevalence and problems (Part II). Mehta BC. **J Assoc Physicians India** 1990 Jul;38(7):491–4 (49 ref.)

[The incidence of iron deficiency in Hungary among children aged 4–6 years] Bernát Sándor I, et al. **Orv Hetil** 1990 Nov 25;131(47):2595–9 (22 ref.) (Eng. Abstr.) **(Hun)**

ETIOLOGY

Iron nutrition in childhood: the interplay of genes, development and environment. Wharton BA. **Acta Paediatr Scand Suppl** 1989;361:5–11 (39 ref.)

Mucinous cystadenocarcinoma of the pancreas: an uncommon presentation with anaemia and upper gastrointestinal bleeding. Inceoglu R, et al. **J R Soc Med** 1991 Mar;84(3):171–2 (5 ref.)

[Anemia caused by iron deficiency and pagophagia. Apropos of a case] Hadjadj ML, et al. **Rev Med Interne** 1990 May–Jun;11(3):236–8 (17 ref.) (Eng. Abstr.) **(Fre)**

[Do Norwegian infants get too little iron in the diet?] Baerug A, et al. **Tidsskr Nor Laegeforen** 1991 Apr 20; 111(10):1238–9 (14 ref.) (Eng. Abstr.) **(Nor)**

IMMUNOLOGY

[Some clinical aspects of therapeutic administration of iron preparations in childhood: iron and infections] Handrick W, et al. **Kinderarztl Prax** 1991 Mar;59(3):55–9 (28 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Fortification of the diet as a strategy for preventing iron deficiency. MacPhail AP, et al. **Acta Paediatr Scand Suppl** 1989;361:114–24 (51 ref.)

THERAPY

Antenatal supplementation--effect on iron status of infants [see comments] Lokeshwar MR, et al. **Indian Pediatr** 1990 Jul;27(7):677–80 (23 ref.) Comment in: Indian Pediatr 1991 Feb;28(2):194–6.

ANEMIA, MEDITERRANEAN see **THALASSEMIA**

ANEMIA, MEGALOBLASTIC

DIAGNOSIS

Diagnosis of megaloblastic anemia. Beck WS. **Annu Rev Med** 1991;42:311–22 (59 ref.)

ETIOLOGY

Nutritional vitamin B12 deficiency in infancy: three case reports and a review of the literature. Doyle JJ, et al. **Pediatr Hematol Oncol** 1989;6(2):161–72 (27 ref.)

ANEMIA, MICROANGIOPATHIC see **ANEMIA, HEMOLYTIC**

ANEMIA, PERNICIOUS

The gastrointestinal tract in pernicious anemia. Loffeld BC, et al. **Dig Dis** 1991;9(2):70–7 (49 ref.)

COMPLICATIONS

Gastric sarcoidosis [see comments] Teichman RF, et al. **J R Soc Med** 1991 Jan;84(1):50–1 (13 ref.) Comment in: J R Soc Med 1991 May;84(5):322.

DRUG THERAPY

Oral cobalamin for pernicious anemia. Medicine's best kept secret? [see comments] Lederle FA. **JAMA** 1991 Jan 2; 265(1):94–5 (15 ref.) Comment in: JAMA 1991 Jan 2;265(1):96–7. Comment in: JAMA 1991 May 1;265(17):2190.

IMMUNOLOGY

Molecular targets in pernicious anaemia. Gleeson PA, et al. **Immunol Today** 1991 Jul;12(7):233–8 (55 ref.)

ANEMIA, REFRACTORY

GENETICS

Clinical and prognostic implications of chromosome 5q deletions: 96 high resolution studied patients. Pedersen B, et al. **Leukemia** 1991 Jul;5(7):566–73 (25 ref.)

ANEMIA, REFRACTORY, WITH EXCESS OF BLASTS

ETIOLOGY

[A myelo dysplastic syndrome (refractory anemia with excess of blasts) occurred in a patient with small cell lung cancer during complete response] Hatakeyama S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Nov; 28(11):1488–93 (20 ref.) (Eng. Abstr.) **(Jpn)**

ANEMIA, SICKLE CELL

see related

ANTISICKLING AGENTS

[Results of studies performed in Cuba on hemoglobinopathy S] Svarch E, et al. **Sangre (Barc)** 1991 Feb;36(1):37–42 (41 ref.) **(Spa)**

BLOOD

Beyond hemoglobin polymerization: the red blood cell membrane and sickle disease pathophysiology. Hebbel RP. **Blood** 1991 Jan 15;77(2):214–37 (313 ref.)

Platelets, coagulation, and fibrinolysis in sickle cell disease: their possible role in vascular occlusion. Francis RB Jr. **Blood Coagul Fibrinolysis** 1991 Apr;2(2):341–53 (106 ref.)

[Fetal hemoglobin] Rokicka-Piotrowicz M. **Postepy Hig Med Dosw** 1989;43(5–6):475–97 (103 ref.) (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Vascular occlusion in sickle cell disease: current concepts and unanswered questions. Francis RB Jr, et al. **Blood** 1991 Apr 1;77(7):1405–14 (157 ref.)

Sickle cell vaso-occlusion. Fabry ME, et al. **Hematol Oncol Clin North Am** 1991 Jun;5(3):375–98 (92 ref.)

Management of pregnancy in sickle cell syndromes. Koshy M, et al. **Hematol Oncol Clin North Am** 1991 Jun; 5(3):585–96 (35 ref.)

Ophthalmologic complications in hemoglobinopathies. To KW, et al. **Hematol Oncol Clin North Am** 1991 Jun; 5(3):535–48 (68 ref.)

Sickle cell anemia and major organ failure. Powars DR. **Hemoglobin** 1990;14(6):573–98 (113 ref.)

Intracranial aneurysms in sickle-cell anemia: clinical features and pathogenesis. Oyesiku NM, et al. **J Neurosurg** 1991 Sep;75(3):356–63 (60 ref.)

Priapism as a complication of sickle cell disease. Hamre MR, et al. **J Urol** 1991 Jan;145(1):1–5 (77 ref.)

Large-vessel occlusion in sickle cell disease: pathogenesis, clinical consequences, and therapeutic implications. Francis RB. **Med Hypotheses** 1991 Jun;35(2):88–95 (78 ref.)

Osteomyelitis of the mandible as a result of sickle cell disease. Report and literature review. Shroyer JV 3d, et al. **Oral Surg Oral Med Oral Pathol** 1991 Jul;72(1):25–8 (11 ref.)

Stroke in sickle cell disease: demographic, clinical, and therapeutic considerations. Ohene-Frempong K. **Semin Hematol** 1991 Jul;28(3):213–9 (20 ref.)

Sickle cell disease and aneurysmal subarachnoid hemorrhage. Batjer HH, et al. **Surg Neurol** 1991 Aug;36(2):145–9 (22 ref.)

Haematuria and sickle cell disease. A report of 12 cases and review of the literature. Osegbe DN. **Trop Geogr Med** 1990 Jan;42(1):22–7 (20 ref.)

DIAGNOSIS

Antenatal diagnosis. Summary of results. Alter BP. **Ann N Y Acad Sci** 1990;612:237–50 (17 ref.)

Prenatal diagnosis of thalassemia and of the sickle cell

syndromes in Greece. Loukopoulos D, et al. **Ann N Y Acad Sci** 1990;612:226–36 (12 ref.)
Prenatal diagnosis of hemoglobinopathies. Fischel-Ghodsian N. **Clin Perinatol** 1990 Dec;17(4):811–28 (161 ref.)

DRUG THERAPY

Fetal hemoglobin, sickling, and sickle cell disease. Charache S. **Adv Pediatr** 1990;37:1–31 (182 ref.)
Pharmacologic manipulation of fetal hemoglobin. Update on clinical trials with hydroxyurea. Dover GJ. **Ann N Y Acad Sci** 1990;612:184–90 (29 ref.)
Hydroxyurea as treatment for sickle cell anemia. Charache S. **Hematol Oncol Clin North Am** 1991 Jun;5(3):571–83 (69 ref.)

ETIOLOGY

Current concerns in haematology. 1. Is the painful crisis of sickle cell disease a "steal" syndrome? Serjeant GR, et al. **J Clin Pathol** 1990 Oct;43(10):789–91 (28 ref.)

GENETICS

Beta S-gene-cluster haplotypes in sickle cell anemia: clinical implications. Powars DR, et al. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):367–74 (37 ref.)
Membranoproliferative glomerulonephritis associated with sickle cell disease in two siblings. Iskandar SS, et al. **Clin Nephrol** 1991 Feb;35(2):47–51 (19 ref.)
Beta s-gene-cluster haplotypes in sickle cell anemia. Clinical and hematologic features. Powars DR. **Hematol Oncol Clin North Am** 1991 Jun;5(3):475–93 (160 ref.)
Sickle cell disease in the UK. Darbyshire P. **Practitioner** 1990 Jul 16;234(1492):722–6 (6 ref.)
Severity, pathobiology, epistatic effects, and genetic markers in sickle cell anemia. Nagel RL. **Semin Hematol** 1991 Jul; 28(3):180–201 (120 ref.)
The variable expression of sickle cell disease is genetically determined. Powars D, et al. **Semin Hematol** 1990 Oct; 27(4):360–76 (156 ref.)
Sickle cell anemia: beta s-gene-cluster haplotypes as prognostic indicators of vital organ failure. Powars DR. **Semin Hematol** 1991 Jul;28(3):202–8 (69 ref.)

PATHOLOGY

Noninvasive diagnostic imaging in hemoglobinopathies. Rao VM, et al. **Hematol Oncol Clin North Am** 1991 Jun; 5(3):517–33 (73 ref.)

PHYSIOPATHOLOGY

Aplastic crisis [published erratum appears in Pediatr Rev 1991 Feb;12(8):243] Koch WC, et al. **Pediatr Rev** 1990 Nov; 12(5):142–8 (15 ref.)
What do we know about the clinical course of sickle cell disease? Smith JA. **Semin Hematol** 1991 Jul;28(3):209–12 (18 ref.)

PREVENTION & CONTROL

Sickle cell diseases in the 1990s: the need for active and preventive intervention. Piomelli S. **Semin Hematol** 1991 Jul;28(3):227–32 (28 ref.)

SURGERY

Bone marrow transplantation for sickle cell anemia: summarizing comments. Beutler E. **Semin Hematol** 1991 Jul;28(3):263–7 (16 ref.)
Bone marrow transplantation for sickle cell anemia. Kirkpatrick DV, et al. **Semin Hematol** 1991 Jul;28(3):240–3 (7 ref.)
Introduction to a symposium on sickle cell anemia: current results of comprehensive care and the evolving role of bone marrow transplantation. Sullivan KM, et al. **Semin Hematol** 1991 Jul;28(3):177–9 (24 ref.)
The pros and cons of bone marrow transplantation for sickle cell anemia. Thomas ED. **Semin Hematol** 1991 Jul; 28(3):260–2 (12 ref.)

THERAPY

The hospital management of patients with sickle cell disease. Davies SC. **Haematologica** 1990 Sep–Oct;75 Suppl 5:96–106 (13 ref.)
Comprehensive care in sickle cell disease: its impact on morbidity and mortality. Vichinsky EP. **Semin Hematol** 1991 Jul;28(3):220–6 (74 ref.)

ANEMIA, SIDEROBLASTIC

BLOOD

[Laboratory diagnosis of anemias involving disorders of iron metabolism] Tkach Iul. **Lab Delo** 1990;(12):40–5 (15 ref.) **(Rus)**

EPIDEMIOLOGY

Primary acquired sideroblastic anemia and myelodysplastic syndrome from a geriatric point of view. Hadnagy C. **Z Gerontol** 1991 Mar–Apr;24(2):105–9 (114 ref.)

GENETICS

Concise review: genetic bases for sideroblastic anemia. Nusbaum NJ. **Am J Hematol** 1991 May;37(1):41–4 (28 ref.)
Molecular regulation of 5-aminolevulinate synthase. Diseases related to heme biosynthesis. May BK, et al. **Mol Biol Med** 1990 Oct;7(5):405–21 (63 ref.)

ANEMIA, SPLENIC see **HYPERSPLENISM**

ANEMIA, TARGET CELL see **THALASSEMIA**

ANEMOMETERS see **FLOWMETERS**

ANENCEPHALY

Kidney transplantation from anencephalic donors. Report of 5 cases and a review of the literature. Gomez-Campderà FJ, et al. **Child Nephrol Urol** 1990;10(3):143–9 (32 ref.)
Anencephalic infants as organ donors: the medical, legal, moral and economic issues. The Bioethics Committee of Arkansas Children's Hospital. Taylor BJ, et al. **J Arkansas Med Soc** 1990 Oct;87(5):184–7 (10 ref.)
Anencephaly: its spectrum and relationship to neural tube defects. Lemire RJ, et al. **J Craniofac Genet Dev Biol** 1990; 10(2):163–74 (64 ref.)
Anencephalic infants and special relationships. Jecker NS. **Theor Med** 1990 Dec;11(4):333–42 (23 ref.)

ANESTHESIA

The anesthetic risk of tobacco smoking. Beckers S, et al. **Acta Anaesthesiol Belg** 1991;42(1):45–56 (65 ref.)
Deadspace during anaesthesia. Fletcher R. **Acta Anaesthesiol Scand Suppl** 1990;94:46–50 (14 ref.)
Flow resistance in anesthesia. Milic-Emili J. **Acta Anaesthesiol Scand Suppl** 1990;94:42–5 (19 ref.)
The automated anesthesia record. Gravenstein JS. **Anaesthesiol Reanim** 1991;16(1):23–30 (13 ref.)
Anesthetic implications of the renin-angiotensin system and angiotensin-converting enzyme inhibitors. Mirenda JV, et al. **Anesth Analg** 1991 May;72(5):667–83 (153 ref.)
Alpha-2 adrenoceptor agonists: defining the role in clinical anesthesia. Maze M, et al. **Anesthesiology** 1991 Mar; 74(3):581–605 (316 ref.)
Cellular mechanisms of anesthesia. Krnjević K. **Ann N Y Acad Sci** 1991;625:1–16 (55 ref.)
Saturable binding of anesthetics to nicotinic acetylcholine receptors. A possible mechanism of anesthetic action. Lin L, et al. **Ann N Y Acad Sci** 1991;625:628–44 (48 ref.)
Potassium in the perioperative period. Vaughan RS. **Br J Anaesth** 1991 Aug;67(2):194–200 (41 ref.)
Anaesthetic management of the brain dead for organ donation. Gelb AW, et al. **Can J Anaesth** 1990 Oct; 37(7):806–12 (28 ref.)
Diagnostic anesthesia. Guidelines for the practitioner. Gross SG. **Dent Clin North Am** 1991 Jan;35(1):141–53 (67 ref.)
Evoked potentials in anaesthesia. Thornton C. **Eur J Anaesthesiol** 1991 Mar;8(2):89–107 (132 ref.)
Management of the oral and maxillofacial surgery patient on anabolic steroids. Smith BK, et al. **J Oral Maxillofac Surg** 1991 Jun;49(6):627–32 (24 ref.)
Anesthesia, cardiopulmonary bypass, and the pregnant patient. Strickland RA, et al. **Mayo Clin Proc** 1991 Apr; 66(4):411–29 (174 ref.)
Interpretation of capnography. Crul JF. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):279–81 (0 ref.)
Cholinergic agents in clinical anaesthesiology. Wiklund L, et al. **Prog Brain Res** 1990;84:399–405 (68 ref.)
Does anesthesia cause loss of consciousness? Kulli J, et al. **Trends Neurosci** 1991 Jan;14(1):6–10 (38 ref.)
[Clonidine: from the treatment of hypertension to its use in anesthesia. II: Perioperative use] Bernard JM, et al. **Ann Fr Anesth Reanim** 1990;9(5):423–32 (71 ref.) **(Fre)**
[Transcranial Doppler in anesthesia and intensive care] Granry JC. **Ann Fr Anesth Reanim** 1991;10(2):127–36 (39 ref.) (Eng. Abstr.) **(Fre)**
[Atrial natriuretic factor in men] Mebazaa A, et al. **Ann Fr Anesth Reanim** 1991;10(2):179–90; discussion 207–8 (154 ref.) (Eng. Abstr.) **(Fre)**
[Changes in renal function induced by anesthesia] Mercatello A. **Ann Fr Anesth Reanim** 1990;9(6):507–24 (208 ref.) (Eng. Abstr.) **(Fre)**
[Measurement of the level of consciousness and of the depth of anesthesia] Thornton C. **Cah Anesthesiol** 1990; 38(7):457–75 (71 ref.) **(Fre)**
[Capnometry and capnography as safety factors in anesthesia] Baum J. **Anaesthesiol Reanim** 1991;16(1):12–22 (40 ref.) (Eng. Abstr.) **(Ger)**
[The importance of pulse oximetry for anesthesia] List WF. **Anaesthesiol Reanim** 1991;16(1):5–10 (16 ref.) (Eng. Abstr.) **(Ger)**
[Specifics of anesthesia in pregnancy] Alon E, et al. **Klin Anasthesiol Intensivther** 1989;37:142–9 (31 ref.) **(Ger)**
[Computer simulation of anesthesia and anesthesia-related incidents] Friesdorf W, et al. **Klin Anasthesiol Intensivther** 1990;38:314–27 (21 ref.) **(Ger)**
[Anesthesiologic preparation of gynecologic patients] Leyser KH. **Klin Anasthesiol Intensivther** 1989;37:189–99 (8 ref.) **(Ger)**
[Anesthetic methods for patients at risk in major surgery] Schaer HM. **Klin Anasthesiol Intensivther** 1989;37:204–13 (20 ref.) **(Ger)**
[Selection of anesthetic methods for diagnostic and therapeutic minor surgery] Strasser K. **Klin Anasthesiol Intensivther** 1989;37:200–3 (5 ref.) **(Ger)**
[Stabilization of the perioperative heat balance] Turner E, et al. **Klin Anasthesiol Intensivther** 1990;38:152–60 (21 ref.) **(Ger)**
[Propofol and adrenal function] Mastronardi P, et al. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):404–7 (5 ref.) **(Ita)**
[Pharmacokinetics in anesthesia] Morselli PL. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):645–6 (0 ref.) **(Ita)**
[Insulinoma and anesthesia] Mora A, et al. **Rev Esp Anestesiol Reanim** 1991 Jan-Feb;38(1):25–8 (23 ref.) **(Spa)**

ADVERSE EFFECTS

Gas exchange during anaesthesia. Hedenstierna G. **Acta Anaesthesiol Scand Suppl** 1990;94:27–31 (41 ref.)
Hypoxic pulmonary vasoconstriction. Marshall BE. **Acta Anaesthesiol Scand Suppl** 1990;94:37–41 (33 ref.)
Mechanics of the lung and chest wall. Rehder K. **Acta Anaesthesiol Scand Suppl** 1990;94:32–6 (12 ref.)
Complications of foot surgery. Complications of anesthesia. Wallace GF. **Clin Podiatr Med Surg** 1991 Apr;8(2):425–33 (23 ref.)
Effect of outcome on physician judgments of appropriateness of care [see comments] Caplan RA, et al. **JAMA** 1991 Apr 17;265(15):1957–60 (21 ref.) Comment in: JAMA 1991 Apr 17;265(15):1995.
Anesthesia mishaps. Kovac AL. **Kans Med** 1990 Oct; 91(10):262–4 (21 ref.)
Dysrhythmia during anesthesia. Boldt J, et al. **Middle East J Anesthesiol** 1990 Oct;10(6):633–9 (13 ref.)
[Risk of anesthesia in respiratory diseases] Dureuil B. **Presse Med** 1991 Jul 6-13;20(26):1223–9 (29 ref.) (Eng. Abstr.) **(Fre)**
[Respiratory risk of general surgery in adults] Cohendy R, et al. **Rev Pneumol Clin** 1991;47(1):10–20 (102 ref.) (Eng. Abstr.) **(Fre)**
[Lessening the aspiration risk] Ellmauer S. **Klin Anasthesiol Intensivther** 1990;38:85–100 (52 ref.) **(Ger)**
[Computer simulation of anesthesia and anesthesia-related incidents] Friesdorf W, et al. **Klin Anasthesiol Intensivther** 1990;38:314–27 (21 ref.) **(Ger)**
[Safety-relevant characteristics of infants and young children] Kraus GB. **Klin Anasthesiol Intensivther** 1990; 38:161–9 (25 ref.) **(Ger)**
[Morbidity and mortality in anesthesia] Otteni JC, et al. **Klin Anasthesiol Intensivther** 1990;38:1–18 (42 ref.) **(Ger)**
[The critical incident conference as an instrument of quality control] von Wolff AF. **Klin Anasthesiol Intensivther** 1990; 38:338–44; discussion 345–7 (7 ref.) **(Ger)**
[The anatomy of incidents in anesthesia] Cattaneo AD. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):251–60 (28 ref.) **(Ita)**
[Pharmacologic errors in anesthesia] Peduto VA. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):269–72 (9 ref.) **(Ita)**
[Epidemiology of incidents in anesthesia] Torri G. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):261–7 (30 ref.) **(Ita)**
[Unintentional intraoperative hypothermia] Chepkiĭ LP, et al. **Klin Khir** 1990;(12):51–5 (68 ref.) **(Rus)**
[Succinylcholine apnea] Carrasco MS, et al. **Rev Esp Anestesiol Reanim** 1990 Nov-Dec;37(6):346–55 (56 ref.) **(Spa)**

METHODS

Dwarfs: pathophysiology and anesthetic implications [see comments] Berkowitz ID, et al. **Anesthesiology** 1990 Oct; 73(4):739–59 (155 ref.) Comment in: Anesthesiology 1991 Jun;74(6):1172–3.
Anaesthesia for the neonate. Crone RK, et al. **Can J Anaesth** 1991 May;38(4 Pt 2):R105–25 (61 ref.) **(Eng, Fre)**
Perioperative management of the asthmatic patient. Hirshman CA. **Can J Anaesth** 1991 May;38(4 Pt 2):R26–38 (62 ref.) **(Eng, Fre)**
Acute spinal cord injury: monitoring and anaesthetic implications. Lam AM. **Can J Anaesth** 1991 May;38(4 Pt 2):R60–73 (71 ref.) **(Eng, Fre)**
Anaesthesia outside the operating room. Manninen PH. **Can J Anaesth** 1991 May;38(4 Pt 2):R126–33 (26 ref.) **(Eng, Fre)**
Trauma anesthesia for disasters. Anything, anytime, anywhere. Grande CM, et al. **Crit Care Clin** 1991 Apr; 7(2):339–61 (41 ref.)
Rapid sequence anesthesia induction and advanced airway management in pediatric patients. Yamamoto LG. **Emerg Med Clin North Am** 1991 Aug;9(3):611–38 (173 ref.)
Anesthesia for cardiac transplantation. Clark NJ, et al. **Ma Tsui Hsueh Tsa Chi** 1990 Dec;28(4):471–92 (113 ref.)
Anesthesia in special situations--vascular disease. Dobbinson TL. **Middle East J Anesthesiol** 1990 Oct;10(6):595–606 (48 ref.)
Anesthetic management of patients with congenital heart

disease coming for non-cardiac surgery. al Khudhairi D. **Middle East J Anesthesiol** 1990 Oct;10(6):585-93 (23 ref.)
Anesthesia for cardiac surgery--an overview. el Sharkawy M. **Middle East J Anesthesiol** 1990 Oct;10(6):549-66 (59 ref.)
[Sedation in upper gastrointestinal endoscopy] Adamsen S. **Ugeskr Laeger** 1991 Mar 18;153(12):828-30 (30 ref.) (Eng. Abstr.) **(Dan)**
[The anesthesiological problems of the morbidly obese patient] Croci M, et al. **Ann Ital Chir** 1990 Jul-Aug; 61(4):355-8 (33 ref.) **(Ita)**

STATISTICS & NUMERICAL DATA

[Anesthesia-related morbidity and mortality (see comments)] Beinlich I.
Anasthesiol Intensivmed Notfallmed Schmerzther 1991 Jun; 26(4):177-85 (89 ref.) (Eng. Abstr.) Comment in: Anasthesiol Intensivmed Notfallmed Schmerzther 1991 Jun;26(4):175-6. **(Ger)**

TRENDS

New advances in anesthesia. Waugaman WR, et al. **Nurs Clin North Am** 1991 Jun;26(2):451-61 (38 ref.)

VETERINARY

Anesthesia of pups and kittens. Grandy JL, et al. **J Am Vet Med Assoc** 1991 Apr 1;198(7):1244-9 (55 ref.)
Supportive therapy in the anesthetized horse. Daunt DA. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):557-74 (41 ref.)
Neuromuscular blocking agents in equine anesthesia. Hildebrand S. **Vet Clin North Am Equine Pract** 1990 Dec; 6(3):587-606 (32 ref.)
Anesthetic complications in the horse. Klein L. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):665-92 (118 ref.)
Monitoring equine anesthesia. Riebold TW. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):607-24 (30 ref.)
General clinical considerations for anesthesia of the horse. Thurmon JC. **Vet Clin North Am Equine Pract** 1990 Dec; 6(3):485-94 (15 ref.)
Management of anesthesia in the foal. Tranquilli WJ, et al. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):651-63 (33 ref.)
Anesthesia techniques in sheep and goats. Ewing KK. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):759-78 (91 ref.)

ANESTHESIA, CAUDAL

The place of caudal anaesthesia in obstetrics. Paull JD. **Anaesth Intensive Care** 1990 Aug;18(3):313-8 (19 ref.)

ANESTHESIA, CONDUCTION

Coagulation abnormalities and obstetric anaesthesia. Douglas MJ. **Can J Anaesth** 1991 May;38(4 Pt 2):R17-25 (42 ref.) **(Eng, Fre)**
Monitoring regional anaesthesia. McIntyre JW. **Int J Clin Monit Comput** 1990;7(4):241-7 (49 ref.)
Practical aspects of anesthesia in non-cardiac surgery--choice of anesthetic: local or general? Hempelmann G, et al. **Middle East J Anesthesiol** 1990 Oct; 10(6):579-84 (10 ref.)
[Mass accidents from the anesthesiologic viewpoint] Tassani P, et al. **Chirurg** 1991 Apr;62(4):243-6 (17 ref.) **(Ger)**
[Peripheral anesthesia for cesarean section] Celleno D, et al. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):539-42 (28 ref.) **(Ita)**

ADVERSE EFFECTS

Regional anaesthesia: complications and techniques. Finucane BT. **Can J Anaesth** 1991 May;38(4 Pt 2):R3-16 (51 ref.) **(Eng, Fre)**
A comparison of general anesthesia and regional anesthesia as a risk factor for deep vein thrombosis following hip surgery: a critical review. Prins MH, et al. **Thromb Haemost** 1990 Dec 28;64(4):497-500 (36 ref.)
[Spinal anesthesia and prevention of thrombosis by heparin] Louville Y, et al. **Agressologie** 1990 Mar;31(3):160-3 (49 ref.) (Eng. Abstr.) **(Fre)**

HISTORY

The Bier block after 80 years: a historical review [see comments] Hilgenhurst G. **Reg Anesth** 1990 Jan-Feb; 15(1):2-5 (71 ref.) Comment in: Reg Anesth 1990 Sep-Oct;15(5):271.

INSTRUMENTATION

[Fundamentals and requirements of peripheral electric nerve stimulation. A contribution to the improvement of safety standards in regional anesthesia] Kaiser H, et al. **Reg Anaesth** 1990 Sep;13(7):143-7 (21 ref.) (Eng. Abstr.) **(Ger)**

METHODS

The test dose in regional anaesthesia. Blomberg RG, et al. **Acta Anaesthesiol Scand** 1991 Aug;35(6):465-8 (27 ref.)
General, regional, and local anesthesia. Pasternak LR. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):275-9 (13 ref.)

UTILIZATION

Regional anesthesia for microsurgery in China: a review. Fang XH. **Reg Anesth** 1989 Mar-Apr;14(2):55-7 (7 ref.)

VETERINARY

Regional anesthesia. LeBlanc PH. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):693-704 (35 ref.)

ANESTHESIA, DENTAL

[Local anesthetic drugs in dentistry. II. Pharmacological interactions and side effects] Galizia GF, et al. **Minerva Stomatol** 1990 Oct;39(10):823-6 (8 ref.) (Eng. Abstr.) **(Ita)**

METHODS

An evaluation of the closed mouth mandibular block technique. Donkor P, et al. **Int J Oral Maxillofac Surg** 1990 Aug;19(4):216-9 (15 ref.)

ANESTHESIA DEPARTMENT, HOSPITAL

ORGANIZATION & ADMINISTRATION

[Organizing and equipping the workplace] Dick W. **Klin Anasthesiol Intensivther** 1990;38:367-83 (31 ref.) **(Ger)**

ANESTHESIA, EPIDURAL

Epidurals, spinals and bleeding disorders in pregnancy: a review. Sage DJ. **Anaesth Intensive Care** 1990 Aug; 18(3):319-26 (85 ref.)
Epidural opioids in obstetrics--a review. Westmore MD. **Anaesth Intensive Care** 1990 Aug;18(3):292-300 (64 ref.)
Extradural, spinal or combined block for obstetric surgical anaesthesia [see comments] Carrie LE. **Br J Anaesth** 1990 Aug;65(2):225-33 (81 ref.) Comment in: Br J Anaesth 1991 Apr;66(4):528.
Epidural anaesthesia for labour and caesarean section in a parturient with a single ventricle and transposition of the great arteries. Fong J, et al. **Can J Anaesth** 1990 Sep; 37(6):680-4 (18 ref.)
[Heparin and spinal or epidural anesthesia: decision analysis] Schwander D, et al. **Ann Fr Anesth Reanim** 1991; 10(3):284-96 (73 ref.) (Eng. Abstr.) **(Fre)**
[Epidural conduction anesthesia versus general anesthesia. A critical evaluation of outcome studies using as examples cesarean section and patients with hip fractures] Adams HA, et al. **Anasth Intensivther Notfallmed** 1990 Dec; 25(6):391-5 (18 ref.) (Eng. Abstr.) **(Ger)**
[Pudendal anesthesia, paracervical blockade, peridural anesthesia and spinal anesthesia from the viewpoint of the obstetrician] Beck L. **Klin Anasthesiol Intensivther** 1989; 37:63-70 (8 ref.) **(Ger)**
[Pudendal anesthesia, paracervical blockade, peridural anesthesia and spinal anesthesia from the anesthesiologist's viewpoint] Traub E. **Klin Anasthesiol Intensivther** 1989; 37:71-83 (16 ref.) **(Ger)**
[Continuous peridural analgesia-anesthesia during labor. Experiences and considerations] Cappa F, et al. **Minerva Ginecol** 1990 Dec;42(12):525-7 (9 ref.) (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

[Avoiding technical complications in epidural conduction anesthesia] Seeling W. **Klin Anasthesiol Intensivther** 1990; 38:170-91 (92 ref.) **(Ger)**

ANESTHESIA, EXTRADURAL see **ANESTHESIA, EPIDURAL**

ANESTHESIA, GENERAL

Myasthenia gravis in children and its anaesthetic implications. Brown TC, et al. **Anaesth Intensive Care** 1990 Nov; 18(4):466-72 (12 ref.)
Anesthetic considerations in patients receiving colony-stimulating factors (G-CSF and GM-CSF). Tobias JD, et al. **Anesthesiology** 1991 Sep;75(3):536-8 (19 ref.)
19F-nuclear magnetic resonance spectroscopy. Its use in defining molecular sites of anesthetic action. Evers AS, et al. **Ann N Y Acad Sci** 1991;625:725-32 (10 ref.)
Is the mechanism of general anesthesia related to lipid membrane spontaneous curvature? Gruner SM, et al. **Ann N Y Acad Sci** 1991;625:685-97 (35 ref.)
Role of signal transduction in anesthetic action. Alpha 2 adrenergic agonists. Maze M, et al. **Ann N Y Acad Sci** 1991;625:409-22 (95 ref.)
Anesthetic action on stimulus-secretion coupling. Pocock G, et al. **Ann N Y Acad Sci** 1991;625:71-81 (20 ref.)
Denis Haydon F.R.S., cell excitability and spirits of port. A commentary on the interaction of homologous series of alkanols with sodium channels. Requena J. **Ann N Y Acad Sci** 1991;625:318-26 (21 ref.)
Studies on cellular mechanisms underlying general anesthesia using cultured molluscan neurons. Winlow W, et al. **Ann N Y Acad Sci** 1991;625:269-72 (12 ref.)
Cellular mechanisms in general anaesthesia. Pocock G, et al. **Br J Anaesth** 1991 Jan;66(1):116-28 (115 ref.)
Mechanisms of general anesthesia. Franks NP, et al. **Environ Health Perspect** 1990 Jul;87:199-205 (35 ref.)
Moderation of morbidity following tonsillectomy and adenoidectomy: a study of awareness under anesthesia. Wood WE, et al. **Int J Pediatr Otorhinolaryngol** 1990 Nov; 20(2):93-105 (15 ref.)
Anesthesia and mental illness. Sedgwick JV, et al. **Int J Psychiatry Med** 1990;20(3):209-25 (39 ref.)
Anesthetic management of a hypothyroid cardiac surgical patient. Whitten CW, et al. **J Cardiothorac Vasc Anesth** 1991 Apr;5(2):156-9 (28 ref.)
Practical aspects of anesthesia in non-cardiac surgery--choice of anesthetic: local or general? Hempelmann G, et al. **Middle East J Anesthesiol** 1990 Oct; 10(6):579-84 (10 ref.)
Intra-anesthetic awareness. Eldor J, et al. **Resuscitation** 1991 Apr;21(2-3):113-9 (56 ref.)
[The physiopathology and medical treatment of acute traumatic occlusion of the popliteal artery. The point of view of the anesthesiologist-resuscitator] Granry JC, et al. **Cah Anesthesiol** 1990 May-Jun;38(3):149-53 (22 ref.) (Eng. Abstr.) **(Fre)**
[Epidural conduction anesthesia versus general anesthesia. A critical evaluation of outcome studies using as examples cesarean section and patients with hip fractures] Adams HA, et al. **Anasth Intensivther Notfallmed** 1990 Dec; 25(6):391-5 (18 ref.) (Eng. Abstr.) **(Ger)**
[Mass accidents from the anesthesiologic viewpoint] Tassani P, et al. **Chirurg** 1991 Apr;62(4):243-6 (17 ref.) **(Ger)**
[The effects of the responses to surgical stresses] Tsuji H. **Nippon Geka Gakkai Zasshi** 1990 Oct;91(10):1519-23 (21 ref.) **(Jpn)**
[Conscious and unconscious awareness during anesthesia--how deep is the patient's sleep?] Holmboe J, et al. **Tidsskr Nor Laegeforen** 1990 Nov 10;110(27):3506-8 (14 ref.) (Eng. Abstr.) **(Nor)**
[Consciousness in general anesthesia] Vickers MD. **Anesteziol Reanimatol** 1990 Sep-Oct;(5):3-7 (12 ref.) **(Rus)**

ADVERSE EFFECTS

Halothane hepatitis. Ray DC, et al. **Br J Anaesth** 1991 Jul; 67(1):84-99 (187 ref.)
A comparison of general anesthesia and regional anesthesia as a risk factor for deep vein thrombosis following hip surgery: a critical review. Prins MH, et al. **Thromb Haemost** 1990 Dec 28;64(4):497-500 (36 ref.)
[Temporary pacing in connection with anesthesia. Indications and methods] Fonsmark L, et al. **Ugeskr Laeger** 1991 Mar 25;153(13):913-6 (24 ref.) (Eng. Abstr.) **(Dan)**
[Extracardiac risk factors in heart surgery--significance of anesthesia] Kettler D, et al. **Z Kardiol** 1990;79 Suppl 4:79-85 (32 ref.) (Eng. Abstr.) **(Ger)**

METHODS

General, regional, and local anesthesia. Pasternak LR. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):275-9 (13 ref.)
[Anesthesia and intensive care for heart-lung transplantation] Lafont D, et al. **Ann Fr Anesth Reanim** 1991;10(2):137-50 (82 ref.) (Eng. Abstr.) **(Fre)**
[Anesthesia in unilateral pulmonary transplantation] Moutafis M, et al. **Ann Fr Anesth Reanim** 1991;10(3):235-41 (18 ref.) (Eng. Abstr.) **(Fre)**
[Anesthesia in pediatric ophthalmology] Meisel-Loose M. **Cah Anesthesiol** 1990 Oct;38(4):249-55 (45 ref.) **(Fre)**

STANDARDS

Anesthetic considerations for pediatric podiatric surgery. Goode JG. **J Foot Surg** 1990 Sep-Oct;29(5):413-6 (40 ref.)

VETERINARY

General anesthesia for horses with specific problems. Hodgson DS, et al. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):625-50 (61 ref.)

ANESTHESIA, INHALATION

Anaesthesia for Proteus syndrome. Pennant JH, et al. **Anaesthesia** 1991 Feb;46(2):126-8 (12 ref.)
Desflurane and sevoflurane: inhalation anaesthetics for this decade? Jones RM. **Br J Anaesth** 1990 Oct;65(4):527-36 (66 ref.)
Recovery from general anesthesia. Curtis D, et al. **Int Anesthesiol Clin** 1991 Spring;29(2):1-11 (23 ref.)
Nitrous oxide is contraindicated in patients with coronary artery disease. Con: nitrous oxide should be used in patients with coronary artery disease. Hamilton WK. **J Cardiothorac Vasc Anesth** 1991 Feb;5(1):90-1 (8 ref.)

ADVERSE EFFECTS

[Hygienic and health problems related to the use of anesthetic gases and vapors] Melino C, et al. **Clin Ter** 1990 Jul 15; 134(1):53-9 (21 ref.) (Eng. Abstr.) **(Ita)**

CONTRAINDICATIONS

Nitrous oxide is contraindicated in patients with coronary

artery disease. Pro: nitrous oxide should not be used in patients with coronary artery disease. Nathan HJ. **J Cardiothorac Vasc Anesth** 1991 Feb;5(1):87–9 (28 ref.)

METHODS

Neuro anaesthesia—a review of the basic principles and current practices. Walters FJ. **Cent Afr J Med** 1990 Feb; 36(2):44–51 (27 ref.)

TRENDS

New advances in anesthesia. Waugaman WR, et al. **Nurs Clin North Am** 1991 Jun;26(2):451–61 (38 ref.)

VETERINARY

Use of halothane and isoflurane in the horse. Brunson DB. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):529–41 (34 ref.)

Equipment for inhalation anesthesia. Eicker SW, et al. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):543–55 (10 ref.)

ANESTHESIA, INTRALIGAMENTAL, DENTAL see **ANESTHESIA, DENTAL**

ANESTHESIA, INTRATRACHEAL

METHODS

Apert syndrome. Anesthetic management. Nargozian C. **Clin Plast Surg** 1991 Apr;18(2):227–30 (34 ref.)

ANESTHESIA, INTRAVENOUS

[Diastolic pressure as a measure of the depth of anesthesia in continuous infusion with propofol] Melloni C, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):386–8 (2 ref.) **(Ita)**

[A review of recent advances in total intravenous anesthesia] Matsuki A. **Masui** 1991 May;40(5):684–91 (29 ref.) (Eng. Abstr.) **(Jpn)**

[Midazolam in anesthesiology] García–Pedrajas F, et al. **Rev Med Univ Navarra** 1989 Oct–Dec;33(4):211–21 (113 ref.) (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

[Safety of intravenous anesthetics. Evaluation of neurologic effects and intracranial pressure] Zattoni J, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):388–93 (32 ref.) **(Ita)**

HISTORY

The Bier block after 80 years: a historical review [see comments] Hilgenhurst G. **Reg Anesth** 1990 Jan–Feb; 15(1):2–5 (71 ref.) Comment in: Reg Anesth 1990 Sep–Oct;15(5):271.

METHODS

Rapid sequence anesthesia induction for emergency intubation. Yamamoto LG, et al. **Pediatr Emerg Care** 1990 Sep;6(3):200–13 (100 ref.)

[Infusions into the venous bed of the bones] Atiasov NI. **Vestn Khir** 1991 Mar;146(3):134–7 (21 ref.) **(Rus)**

TRENDS

New advances in anesthesia. Waugaman WR, et al. **Nurs Clin North Am** 1991 Jun;26(2):451–61 (38 ref.)

VETERINARY

Intravenous anesthesia. Benson GJ, et al. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):513–28 (36 ref.)

ANESTHESIA, LOCAL

[Lidocaine–prilocaine ointment; a welcome addition in local anesthesia] de Waard–van der Spek FB, et al. **Ned Tijdschr Geneeskd** 1991 Jul 27;135(30):1343–5 (20 ref.) **(Dut)**

ADVERSE EFFECTS

Episodic factitious gingival injury secondary to topical anesthesia. A case report. Raab FJ, et al. **J Periodontol** 1991 Jun;62(6):402–6 (28 ref.)

METHODS

General, regional, and local anesthesia. Pasternak LR. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):275–9 (13 ref.)

Local anesthesia for soft–tissue surgery. Ehlert TK, et al. **Otolaryngol Clin North Am** 1990 Oct;23(5):831–44 (16 ref.)

[Treatment of interpleural pain] Ahlburg P, et al. **Ugeskr Laeger** 1990 Sep 10;152(37):2632–4 (21 ref.) (Eng. Abstr.) **(Dan)**

STANDARDS

Anesthetic considerations for pediatric podiatric surgery. Goode JG. **J Foot Surg** 1990 Sep–Oct;29(5):413–6 (40 ref.)

VETERINARY

Local anesthetic techniques for diagnosis of lameness. Schmotzer WB, et al. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):705–28 (31 ref.)

ANESTHESIA, OBSTETRICAL

Anaesthesia and the sick foetus. Lah F. **Anaesth Intensive Care** 1990 Aug;18(3):327–30 (20 ref.)

The place of caudal anaesthesia in obstetrics. Paull JD. **Anaesth Intensive Care** 1990 Aug;18(3):313–8 (19 ref.)

Epidurals, spinals and bleeding disorders in pregnancy: a review. Sage DJ. **Anaesth Intensive Care** 1990 Aug; 18(3):319–26 (85 ref.)

Epidural opioids in obstetrics—a review. Westmore MD. **Anaesth Intensive Care** 1990 Aug;18(3):292–300 (64 ref.)

Coagulation abnormalities and obstetric anaesthesia. Douglas MJ. **Can J Anaesth** 1991 May;38(4 Pt 2):R17–25 (42 ref.) **(Eng, Fre)**

Epidural anaesthesia for labour and caesarean section in a parturient with a single ventricle and transposition of the great arteries. Fong J, et al. **Can J Anaesth** 1990 Sep; 37(6):680–4 (18 ref.)

Obstetric anesthesia and analgesia. Marx GF, et al. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):156–64 (31 ref.)

Risk–benefit assessment of anaesthetic agents in the puerperium. Kanto J. **Drug Saf** 1991 Jul–Aug;6(4):285–301 (161 ref.)

At the water's edge: where obstetrics and anesthesia meet [see comments] Elkington KW. **Obstet Gynecol** 1991 Feb; 77(2):304–8 (28 ref.) Comment in: Obstet Gynecol 1991 Jun;77(6):965–7.

[H2–receptor antagonists in obstetrical–gynecological anesthesiological practice. II. New H2–receptor antagonists] Iordanov K, et al. **Akush Ginekol (Sofiia)** 1990; 29(4):74–7 (20 ref.) **(Bul)**

[Anesthesia for cesarean section in the diabetic patient] Besnard V, et al. **Cah Anesthesiol** 1990 Dec;38(6):425–30 (41 ref.) **(Fre)**

[Anesthesiology problems in Takayasu's syndrome] Gaida BJ, et al. **Anaesthesist** 1991 Jan;40(1):1–6 (79 ref.) (Eng. Abstr.) **(Ger)**

[Epidural conduction anesthesia versus general anesthesia. A critical evaluation of outcome studies using as examples cesarean section and patients with hip fractures] Adams HA, et al. **Anasth Intensivther Notfallmed** 1990 Dec; 25(6):391–5 (18 ref.) (Eng. Abstr.) **(Ger)**

[Pudendal anesthesia, paracervical blockade, peridural anesthesia and spinal anesthesia from the viewpoint of the obstetrician] Beck L. **Klin Anasthesiol Intensivther** 1989; 37:63–70 (8 ref.) **(Ger)**

[Selection of anesthetic methods in the operative delivery of patients at cardiac, respiratory and metabolic risk] Braun GG. **Klin Anasthesiol Intensivther** 1989;37:106–20 (31 ref.) **(Ger)**

[Perinatal pharmacology: alleviation of pain and narcosis] Brune K. **Klin Anasthesiol Intensivther** 1989;37:43–7 (6 ref.) **(Ger)**

[Medicolegal aspects of obstetrical analgesia and anesthesia] Opderbecke HW. **Klin Anasthesiol Intensivther** 1989; 37:176–81 (11 ref.) **(Ger)**

[Pudendal anesthesia, paracervical blockade, peridural anesthesia and spinal anesthesia from the anesthesiologist's viewpoint] Traub E. **Klin Anasthesiol Intensivther** 1989; 37:71–83 (16 ref.) **(Ger)**

[Peripheral anesthesia for cesarean section] Celleno D, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):539–42 (28 ref.) **(Ita)**

[Anesthesia for intervention by cesarean section] Margaria E, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):521–37 (0 ref.) **(Ita)**

[Continuous peridural analgesia–anesthesia during labor. Experiences and considerations] Cappa F, et al. **Minerva Ginecol** 1990 Dec;42(12):525–7 (9 ref.) (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

At the water's edge: where obstetrics and anesthesia meet [see comments] Elkington KW. **Obstet Gynecol** 1991 Feb; 77(2):304–8 (28 ref.) Comment in: Obstet Gynecol 1991 Jun;77(6):965–7.

[Diagnosis of fetal asphyxia and methods for intrauterine resuscitation] Huch R. **Klin Anasthesiol Intensivther** 1989; 37:150–60 (23 ref.) **(Ger)**

[Morbidity and mortality in obstetrical anesthesia] Konietzke D. **Klin Anasthesiol Intensivther** 1989;37:91–9 (23 ref.) **(Ger)**

METHODS

Extradural, spinal or combined block for obstetric surgical anaesthesia [see comments] Carrie LE. **Br J Anaesth** 1990 Aug;65(2):225–33 (81 ref.) Comment in: Br J Anaesth 1991 Apr;66(4):528.

Spinal anaesthesia in obstetrics. Kestin IG. **Br J Anaesth** 1991 May;66(5):596–607 (143 ref.)

Multiple pregnancy, operative delivery, anesthesia, and analgesia. Laube DW. **Curr Opin Obstet Gynecol** 1990 Feb; 2(1):40–4 (15 ref.)

Anesthetic choice for the cardiac obstetric patient. Morgan M. **Middle East J Anesthesiol** 1990 Oct;10(6):621–32 (8 ref.)

[Obstetrical anesthesia of patients with disseminated lupus erythematosus] Milhet E, et al. **Ann Fr Anesth Reanim** 1991; 10(3):242–7 (19 ref.) (Eng. Abstr.) **(Fre)**

MORTALITY

[Maternal mortality in cesarean section: anesthetic causes] Pagnoni B, et al. **Minerva Anestesiol** 1990 Oct; 56(10):1079–84 (24 ref.) **(Ita)**

ANESTHESIA, PERIDURAL see **ANESTHESIA, EPIDURAL**

ANESTHESIA RECOVERY PERIOD

Recovery from anesthesia. Opioid antagonists. Alfillé PH, et al. **Int Anesthesiol Clin** 1991 Spring;29(2):83–92 (31 ref.)

Respiratory problems in emergence from anesthesia. Austin RL Jr. **Int Anesthesiol Clin** 1991 Spring;29(2):25–36 (21 ref.)

Recovery from general anesthesia. Curtis D, et al. **Int Anesthesiol Clin** 1991 Spring;29(2):1–11 (23 ref.)

Recovery from anesthesia. Benzodiazepine antagonists. Geller E, et al. **Int Anesthesiol Clin** 1991 Spring;29(2):69–81 (59 ref.)

Recovery from anesthesia. Complications during recovery. Mecca RS. **Int Anesthesiol Clin** 1991 Spring;29(2):37–54 (80 ref.)

Special considerations in recovery of children from anesthesia. Patel R, et al. **Int Anesthesiol Clin** 1991 Spring; 29(2):55–68 (33 ref.)

Reversal of neuromuscular blockade. Ramsey FM. **Int Anesthesiol Clin** 1991 Spring;29(2):93–104 (26 ref.)

Recovery of psychological function after anesthesia. Sanders LD. **Int Anesthesiol Clin** 1991 Spring;29(2):105–15 (8 ref.)

Recovery from anesthesia. Hemodynamic consequences of emergence. Shander A, et al. **Int Anesthesiol Clin** 1991 Spring;29(2):13–23 (30 ref.)

ANESTHESIA, RECTAL

[Rectal administration of drugs. Fundamentals and applications in anesthesia] Jantzen JP, et al. **Anaesthesist** 1991 May;40(5):251–61 (103 ref.) (Eng. Abstr.) **(Ger)**

ANESTHESIA, REFRIGERATION see **HYPOTHERMIA, INDUCED**

ANESTHESIA, REGIONAL see **ANESTHESIA, CONDUCTION**

ANESTHESIA, SACRAL EPIDURAL see **ANESTHESIA, CAUDAL**

ANESTHESIA, SPINAL

Bupivacaine spinal anaesthesia. Tuominen M. **Acta Anaesthesiol Scand** 1991 Jan;35(1):1–10 (94 ref.)

Epidurals, spinals and bleeding disorders in pregnancy: a review. Sage DJ. **Anaesth Intensive Care** 1990 Aug; 18(3):319–26 (85 ref.)

Extradural, spinal or combined block for obstetric surgical anaesthesia [see comments] Carrie LE. **Br J Anaesth** 1990 Aug;65(2):225–33 (81 ref.) Comment in: Br J Anaesth 1991 Apr;66(4):528.

Adenosine release by morphine and spinal antinociception: role of G–proteins and cyclic AMP. Sawynok J, et al. **NIDA Res Monogr** 1991;105:40–6 (22 ref.)

Post dural puncture headache (PDPH): a review [see comments] Gielen M. **Reg Anesth** 1989 May–Jun; 14(3):101–6 (70 ref.) Comment in: Reg Anesth 1990 Jan–Feb;15(1):46–7.

[Heparin and spinal or epidural anesthesia: decision analysis] Schwander D, et al. **Ann Fr Anesth Reanim** 1991; 10(3):284–96 (73 ref.) (Eng. Abstr.) **(Fre)**

[Pudendal anesthesia, paracervical blockade, peridural anesthesia and spinal anesthesia from the viewpoint of the obstetrician] Beck L. **Klin Anasthesiol Intensivther** 1989; 37:63–70 (8 ref.) **(Ger)**

[Pudendal anesthesia, paracervical blockade, peridural anesthesia and spinal anesthesia from the anesthesiologist's viewpoint] Traub E. **Klin Anasthesiol Intensivther** 1989; 37:71–83 (16 ref.) **(Ger)**

METHODS

Spinal anaesthesia in obstetrics. Kestin IG. **Br J Anaesth** 1991 May;66(5):596–607 (143 ref.)

ANESTHESIOLOGY

Ergonomic and human factors affecting anesthetic vigilance and monitoring performance in the operating room environment [see comments] Weinger MB, et al. **Anesthesiology** 1990 Nov;73(5):995–1021 (277 ref.) Comment in: Anesthesiology 1991 Jun;74(6):1160–1.

Transmission of hepatitis and AIDS: risks for the anaesthetist and the patient. Trépanier CA. **Can J Anaesth** 1991 May; 38(4 Pt 2):R98–104 (32 ref.) **(Eng, Fre)**

Anaesthesiology and transfusion medicine. Bergmann H. **Infusionstherapie** 1991 Feb;18(1):12–9 (58 ref.)

Anesthesia: what the internist needs to know. Leibowitz AB, et al. **Mt Sinai J Med** 1991 Jan;58(1):9–15 (52 ref.)

ASRA lecture 1988. The changing role of the anesthesiologist in pain management. Carron H. **Reg Anesth** 1989 Jan–Feb;

14(1):4–9 (33 ref.)
[The role of the anesthetist in the care of burn patients] Balogh D, et al. **Cah Anesthesiol** 1990 Oct;38(4):277–9 (10 ref.) **(Fre)**
[The multidisciplinary outpatient pain clinic in relation to anesthesia. An important task for the anesthesiologist] Morawetz RF, et al. **Anaesthesist** 1990 Oct;39(10):456–62 (45 ref.) (Eng. Abstr.) **(Ger)**
[AIDS, hepatitis and anesthesiology] Bergman H. **Anesteziol Reanimatol** 1991 Jan–Feb;(1):37–42 (0 ref.) **(Rus)**

EDUCATION

[Teaching methods in continuing education] Rügheimer E. **Klin Anasthesiol Intensivther** 1990;38:348–66 (20 ref.) **(Ger)**

INSTRUMENTATION

Fibreoptic sensors in clinical measurement. Yellowlees IH. **Br J Anaesth** 1991 Jul;67(1):100–5 (28 ref.)
The Laryngeal Mask—an overview. Leach AB, et al. **Eur J Anaesthesiol** 1991;Suppl 4:19–31 (59 ref.)
[Organizing and equipping the workplace] Dick W. **Klin Anasthesiol Intensivther** 1990;38:367–83 (31 ref.) **(Ger)**
[Dosage equipment, concentration monitoring and the anesthesia system] Götz H, et al. **Klin Anasthesiol Intensivther** 1990;38:218–33 (14 ref.) **(Ger)**
[Safety of the anesthesia breathing equipment] Kilian J. **Klin Anasthesiol Intensivther** 1990;38:211–7 (10 ref.) **(Ger)**
[Prevention of electric accidents and electric injuries] Obermayer A. **Klin Anasthesiol Intensivther** 1990; 38:289–96; discussion 297–307 (7 ref.) **(Ger)**
[Training in medical technological equipment] Obermayer A. **Klin Anasthesiol Intensivther** 1990;38:308–13 (0 ref.) **(Ger)**
[Detection and avoidance of disconnections in the breathing system] von Hintzenstern U. **Klin Anasthesiol Intensivther** 1990;38:234–48 (21 ref.) **(Ger)**
[Pulse oximetry in anesthesia] Salvo I, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):283–7 (15 ref.) **(Ita)**

MANPOWER

[Qualitative and quantitative personnel planning] Opderbecke HW, et al. **Klin Anasthesiol Intensivther** 1990;38:384–97 (17 ref.) **(Ger)**

METHODS

Anesthetic pharmacology and critical care. Cullen DJ. **Acute Care** 1988–89;14–15:3–25 (59 ref.)
[The outlook for the use of pulse oximetry in anesthesiology and resuscitation] Buniatian AA, et al. **Anesteziol Reanimatol** 1991 Jan–Feb;(1):3–7 (56 ref.) **(Rus)**

ORGANIZATION & ADMINISTRATION

[Quality assurance through organizational measures] Ahnefeld FW, et al. **Klin Anasthesiol Intensivther** 1990; 38:398–416; discussion 417–23 (12 ref.) **(Ger)**
[The critical incident conference as an instrument of quality control] von Wolff AF. **Klin Anasthesiol Intensivther** 1990; 38:338–44; discussion 345–7 (7 ref.) **(Ger)**

STANDARDS

Effect of outcome on physician judgments of appropriateness of care [see comments] Caplan RA, et al. **JAMA** 1991 Apr 17;265(15):1957–60 (21 ref.) Comment in: JAMA 1991 Apr 17;265(15):1995.
Minimal safety standards for anaesthesia apparatus. Adams AP. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):273–8 (25 ref.)
[Measures for the prevention of infections in anesthesia] Krieger J, et al. **Klin Anasthesiol Intensivther** 1990; 38:264–73 (12 ref.) **(Ger)**
[Reliability and error possibilities in monitoring] Pasch T. **Klin Anasthesiol Intensivther** 1990;38:249–63 (38 ref.) **(Ger)**

TRENDS

[Advances and retrospect of anesthesiology in past 40 years in China] Xie R. **Chung Hua Wai Ko Tsa Chih** 1991 Jan; 29(1):46–7 (0 ref.) **(Chi)**

ANESTHETICS

Cellular mechanisms of anesthesia. Krnjević K. **Ann N Y Acad Sci** 1991;625:1–16 (55 ref.)
Desflurane and sevoflurane: inhalation anaesthetics for this decade? Jones RM. **Br J Anaesth** 1990 Oct;65(4):527–36 (66 ref.)
Steroids in relation to epilepsy and anaesthesia. Bäckström T, et al. **Ciba Found Symp** 1990;153:225–30; discussion 230–9 (24 ref.)
Anesthesia of pups and kittens. Grandy JL, et al. **J Am Vet Med Assoc** 1991 Apr 1;198(7):1244–9 (55 ref.)

ADMINISTRATION & DOSAGE

[Sedation in upper gastrointestinal endoscopy] Adamsen S. **Ugeskr Laeger** 1991 Mar 18;153(12):828–30 (30 ref.) (Eng. Abstr.) **(Dan)**
[Dosage equipment, concentration monitoring and the anesthesia system] Götz H, et al. **Klin Anasthesiol Intensivther** 1990;38:218–33 (14 ref.) **(Ger)**
[A review of recent advances in total intravenous anesthesia] Matsuki A. **Masui** 1991 May;40(5):684–91 (29 ref.) (Eng. Abstr.) **(Jpn)**
[Infusions into the venous bed of the bones] Atiasov NI. **Vestn Khir** 1991 Mar;146(3):134–7 (21 ref.) **(Rus)**

ADVERSE EFFECTS

Risk–benefit assessment of anaesthetic agents in the puerperium. Kanto J. **Drug Saf** 1991 Jul–Aug;6(4):285–301 (161 ref.)
Anesthesia and mental illness. Sedgwick JV, et al. **Int J Psychiatry Med** 1990;20(3):209–25 (39 ref.)
[Anesthetics responsible for anaphylactic shock. A French multicenter study] Laxenaire MC, et al. **Ann Fr Anesth Reanim** 1990;9(6):501–6 (21 ref.) (Eng. Abstr.) **(Fre)**
[Specifics of anesthesia in pregnancy] Alon E, et al. **Klin Anasthesiol Intensivther** 1989;37:142–9 (31 ref.) **(Ger)**
[Hygienic and health problems related to the use of anesthetic gases and vapors] Melino C, et al. **Clin Ter** 1990 Jul 15; 134(1):53–9 (21 ref.) (Eng. Abstr.) **(Ita)**
[Anesthetic drugs and the immunocompetent system: the effect on the lymphoid cell of complement and phenotype] Leonardis G, et al. **Minerva Anestesiol** 1990 Jul–Aug; 56(7–8):413–4 (7 ref.) **(Ita)**
[Safety of intravenous anesthetics. Evaluation of neurologic effects and intracranial pressure] Zattoni J, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):388–93 (32 ref.) **(Ita)**
[Anesthetic gases, the ozone layer and the greenhouse effect. How harmful are the anesthetic emissions for the global environment?] Dale O, et al. **Tidsskr Nor Laegeforen** 1991 Jun 30;111(17):2115–7 (15 ref.) (Eng. Abstr.) **(Nor)**

CHEMISTRY

Molecular details of anesthetic–lipid interaction. Smith IC, et al. **Ann N Y Acad Sci** 1991;625:668–84 (29 ref.)

DIAGNOSTIC USE

Diagnostic anesthesia. Guidelines for the practitioner. Gross SG. **Dent Clin North Am** 1991 Jan;35(1):141–53 (67 ref.)

IMMUNOLOGY

[Thursdays of allergy. The drug allergy] Drouet M. **Allerg Immunol (Paris)** 1991 Jun;23(6):263–5 (265 ref.) **(Fre)**

METABOLISM

Saturable binding of anesthetics to nicotinic acetylcholine receptors. A possible mechanism of anesthetic action. Lin L, et al. **Ann N Y Acad Sci** 1991;625:628–44 (48 ref.)

PHARMACOKINETICS

In vivo 19F nuclear magnetic resonance brain studies of halothane, isoflurane, and desflurane. Rapid elimination and no abundant saturable binding. Litt L, et al. **Ann N Y Acad Sci** 1991;625:707–24 (33 ref.)
19F in vivo NMR spectroscopy: a new technique to probe fluorinated anesthetic–tissue interactions. Wyrwicz AM. **Ann N Y Acad Sci** 1991;625:733–42 (16 ref.)
Recovery from general anesthesia. Curtis D, et al. **Int Anesthesiol Clin** 1991 Spring;29(2):1–11 (23 ref.)
[The biotransformation and nephrotoxicity of fluorinated ether anesthetics] Davidkova T. **Khirurgiia (Sofiia)** 1990; 43(3):1–7 (31 ref.) **(Bul)**
[Pharmacokinetics in anesthesia] Morselli PL. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):645–6 (0 ref.) **(Ita)**

PHARMACOLOGY

Effects of anesthetics on the coronary circulation. De Hert S, et al. **Acta Anaesthesiol Belg** 1990;41(4):327–43 (95 ref.)
Mammalian genetics in the study of alcohol and anesthetic actions. Harris RA. **Ann N Y Acad Sci** 1991;625:508–14 (36 ref.)
Anesthetic actions in the hippocampal formation. Kendig JJ, et al. **Ann N Y Acad Sci** 1991;625:37–53 (88 ref.)
Role of signal transduction in anesthetic action. Alpha 2 adrenergic agonists. Maze M, et al. **Ann N Y Acad Sci** 1991;625:409–22 (95 ref.)
Allosteric actions of central nervous system depressants including anesthetics on subtypes of the inhibitory gamma–aminobutyric acidA receptor–chloride channel complex. Olsen RW, et al. **Ann N Y Acad Sci** 1991; 625:145–54 (72 ref.)
Anesthetic action on stimulus–secretion coupling. Pocock G, et al. **Ann N Y Acad Sci** 1991;625:71–81 (20 ref.)
Calcium involvement in anesthetic blockade of synaptic transmission. Puil E, et al. **Ann N Y Acad Sci** 1991; 625:82–90 (42 ref.)
Molecular models of anesthetic action on sodium channels, including those from human brain. Urban BW, et al. **Ann N Y Acad Sci** 1991;625:327–43 (40 ref.)
Alcohol and anesthetic actions on excitatory amino acid–activated ion channels. Weight FF, et al. **Ann N Y Acad Sci** 1991;625:97–107 (40 ref.)
Cellular mechanisms in general anaesthesia. Pocock G, et al. **Br J Anaesth** 1991 Jan;66(1):116–28 (115 ref.)
Calcium–channel blockers and anaesthesia. Durand PG, et al. **Can J Anaesth** 1991 Jan;38(1):75–89 (195 ref.)
Brain protection: physiological and pharmacological considerations. Part II: The pharmacology of brain protection. Hall R, et al. **Can J Anaesth** 1990 Oct; 37(7):762–77 (118 ref.)
Pharmacokinetics and pharmacodynamics for the clinician. Stanski DR. **Can J Anaesth** 1991 May;38(4 Pt 2):R48–59 (5 ref.) **(Eng, Fre)**
Mechanisms of general anesthesia. Franks NP, et al. **Environ Health Perspect** 1990 Jul;87:199–205 (35 ref.)
[Changes in renal function induced by anesthesia] Mercatello A. **Ann Fr Anesth Reanim** 1990;9(6):507–24 (208 ref.) (Eng. Abstr.) **(Fre)**
[Hepatic circulation and anesthesia] Fujita Y, et al. **Masui** 1991 Feb;40(2):166–78 (116 ref.) (Eng. Abstr.) **(Jpn)**
[Midazolam in anesthesiology] García–Pedrajas F, et al. **Rev Med Univ Navarra** 1989 Oct–Dec;33(4):211–21 (113 ref.) (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Anesthetic pharmacology and critical care. Cullen DJ. **Acute Care** 1988–89;14–15:3–25 (59 ref.)

ANESTHETICS, CONDUCTION BLOCKING see **ANESTHETICS, LOCAL**

ANESTHETICS, LOCAL

Ropivacaine: a new local anaesthetic agent. Marsh CR, et al. **Br J Hosp Med** 1991 Feb;45(2):94–5 (5 ref.)

ADMINISTRATION & DOSAGE

[Analgesia accomplished by intrapleural administration of local anesthetics] Escarment J, et al. **Cah Anesthesiol** 1990 Dec;38(6):411–9 (90 ref.) **(Fre)**

ADVERSE EFFECTS

Local anesthetic allergy. Its recognition and avoidance. Glinert RJ, et al. **J Dermatol Surg Oncol** 1991 Jun; 17(6):491–6 (22 ref.)

CEREBROSPINAL FLUID

Factors affecting the subarachnoid spread of local anesthetic solutions. Stienstra R, et al. **Reg Anesth** 1991 Jan–Feb; 16(1):1–6 (58 ref.)

CHEMISTRY

Molecular details of anesthetic–lipid interaction. Smith IC, et al. **Ann N Y Acad Sci** 1991;625:668–84 (29 ref.)

METABOLISM

Reverse pharmacology of the nicotinic acetylcholine receptor. Mapping the local anesthetic binding site. Leonard RJ, et al. **Ann N Y Acad Sci** 1991;625:588–99 (29 ref.)

PHARMACOKINETICS

[The pharmacokinetic characteristics of analgesics and local anesthetics] Colón Bombín T. **Cir Pediatr** 1991 Apr; 4(2):66–75 (27 ref.) (Eng. Abstr.) **(Spa)**

PHARMACOLOGY

Voltage–sensitive sodium channels: agents that perturb inactivation gating. Agnew WS, et al. **Ann N Y Acad Sci** 1991;625:200–23 (60 ref.)
Role of inactivation in local anesthetic action. Khodorov BI. **Ann N Y Acad Sci** 1991;625:224–48 (67 ref.)
[Local anesthetic drugs in dentistry. II. Pharmacological interactions and side effects] Galizia GF, et al. **Minerva Stomatol** 1990 Oct;39(10):823–6 (8 ref.) (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Treatment options for the relief of pain during childbirth. Brownridge P. **Drugs** 1991 Jan;41(1):69–80 (32 ref.)

ANESTRUS

Clinical approach to infertility in bitches with primary anestrus. Johnston SD. **Vet Clin North Am Small Anim Pract** 1991 May;21(3):421–5 (22 ref.)

PHYSIOLOGY

Lactational anoestrus in farm animals. Peters AR, et al. **Oxf Rev Reprod Biol** 1990;12:245–88 (229 ref.)

ANEUPLOIDY

The consequences of chromosome imbalance. Epstein CJ. **Am J Med Genet Suppl** 1990;7:31–7 (38 ref.)

Sex chromosomal and autosomal aneuploidy in the fragile X syndrome. Chudley AE. **Birth Defects** 1990;26(4):257–65 (44 ref.)

New insights into triploidy and tetraploidy, from an analysis of model systems for these conditions. Kaufman MH. **Hum Reprod** 1991 Jan;6(1):8–16 (86 ref.)

[Aneuploidy in man (facts and hypotheses)] Buzhievskaia TI, et al. **Tsitol Genet** 1990 May–Jun;24(3):66–72 (38 ref.) (Eng. Abstr.) **(Rus)**

ANEURIN see **THIAMINE**

ANEURYSM

[Juxto-foveolar telangiectasia, and Leber-Coats disease] Zografos L. **Ophtalmologie** 1987 Apr–Jun;1(2):175–85 (52 ref.) **(Fre)**

COMPLICATIONS

Pancreaticoduodenal artery aneurysms associated with celiac axis stenosis: report of two cases and review of the literature. Quandalle P, et al. **Ann Vasc Surg** 1990 Nov; 4(6):540–5 (32 ref.)

Multiple congenital aneurysms of unknown origin. De Letter JA, et al. **Eur J Vasc Surg** 1991 Jun;5(3):349–54 (15 ref.)

Popliteal venous aneurysms with or without pulmonary embolism. Helsted M, et al. **Eur J Vasc Surg** 1991 Jun; 5(3):333–42 (18 ref.)

Intracranial hemorrhage from aneurysms and arteriovenous malformations during pregnancy and the puerperium. Dias MS, et al. **Neurosurgery** 1990 Dec;27(6):855–65; discussion 865–6 (109 ref.)

[Compressive thigh hematoma. Apropos of a case of fissured superficial femoral aneurysm in megadolicho-arteries. Review of the literature] Guégan H, et al. **J Chir (Paris)** 1991 May;128(5):247–50 (8 ref.) (Eng. Abstr.) **(Fre)**

[A case of extrahepatic portal vein aneurysm with liver cirrhosis] Takahashi A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Feb;88(2):201–4 (23 ref.) **(Jpn)**

DIAGNOSIS

Extrahepatic portal vein aneurysm associated with a tortuous portal vein. Hagiwara H, et al. **Gastroenterology** 1991 Mar; 100(3):818–21 (20 ref.)

[Aneurysm of the pulmonary artery. X-ray computed tomographic and MRI aspects. A case report and review of the literature] Poey C, et al. **J Radiol** 1990 Nov; 71(11):629–32 (16 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Swan–Ganz catheter–induced massive hemoptysis and pulmonary artery false aneurysm. Feng WC, et al. **Ann Thorac Surg** 1990 Oct;50(4):644–6 (9 ref.)

Large mediastinal mass secondary to an aortocoronary saphenous vein bypass graft aneurysm. Forster DA, et al. **Ann Thorac Surg** 1991 Sep;52(3):547–8 (8 ref.)

Models of arterial aneurysm: for the investigation of pathogenesis and pharmacotherapy—a review. Powell J. **Atherosclerosis** 1991 Apr;87(2–3):93–102 (56 ref.)

Hepatic artery pseudoaneurysms in acute pancreatitis. Walton JM, et al. **Can J Surg** 1991 Aug;34(4):377–80 (25 ref.)

Popliteal aneurysm after total knee arthroplasty. Case reports and review of the literature. Hozack WJ, et al. **J Arthroplasty** 1990 Dec;5(4):301–5 (16 ref.)

Major vascular complications of orthognathic surgery: false aneurysms and arteriovenous fistulas following orthognathic surgery. Lanigan DT, et al. **J Oral Maxillofac Surg** 1991 Jun;49(6):571–7 (35 ref.)

Traumatic popliteal artery pseudoaneurysms: case report and review of the literature. Gillespie DL, et al. **J Trauma** 1991 Mar;31(3):412–5 (22 ref.)

PHYSIOPATHOLOGY

Clinical courses and treatment of splenic artery aneurysms—report of 3 cases and review of literatures in Japan. Fukunaga Y, et al. **Osaka City Med J** 1990 Nov; 36(2):161–73 (11 ref.)

[Pathogenesis of acquired abdominal aortic aneurysms] Anidjar S, et al. **Presse Med** 1991 May 11;20(18):859–65 (25 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Aneurysm of the distal anterior inferior cerebellar artery unrelated to the cerebellopontine angle: case report. Oana K, et al. **Neurosurgery** 1991 Jun;28(6):899–903 (28 ref.)

SURGERY

Penetrating trauma involving the innominate artery. McLean TR, et al. **Ann Thorac Surg** 1991 Jan;51(1):113–4; discussion 114–5 (11 ref.)

Surgical management of ulnar artery aneurysms. Rothkopf DM, et al. **J Hand Surg [Am]** 1990 Nov;15(6):891–7 (30 ref.)

Isolated common iliac artery aneurysm. Bumpers HL, et al. **N Y State J Med** 1991 Jan;91(1):33–4 (17 ref.)

Abdominal aneurysms in childhood: report of a case and review of the literature. Sarkar R, et al. **Surgery** 1991 Feb; 109(2):143–8 (29 ref.)

[Aneurysms of the femoral artery] Napolitano AM, et al. **G Chir** 1988 Jul–Aug;9(7–8):480–9 (16 ref.) (Eng. Abstr.) **(Ita)**

[Aneurysm of the diverticulum of the ductus arteriosus in the adult] Ueno Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Aug;38(8):1356–61 (12 ref.) (Eng. Abstr.) **(Jpn)**

ANEURYSM, ARTERIOVENOUS see **ARTERIOVENOUS FISTULA**

ANEURYSM, BACTERIAL see **ANEURYSM, INFECTED**

ANEURYSM, CORONARY see **CORONARY ANEURYSM**

ANEURYSM, DISSECTING

Acute aortic dissection. Asfoura JY, et al. **Chest** 1991 Mar; 99(3):724–9 (21 ref.)

Aortic dissection: diagnosis and management. Neerukonda SK, et al. **Hosp Pract [Off]** 1991 Feb 28;26(2A):66–70, 73–6 (0 ref.)

Cervicocranial arterial dissection. Anson J, et al. **Neurosurgery** 1991 Jul;29(1):89–96 (36 ref.)

[Dissection of cervico-cerebral arteries (editorial)] Bousser MG, et al. **Presse Med** 1991 Apr 27;20(16):729–31 (10 ref.) **(Fre)**

COMPLICATIONS

Spontaneous dissecting aneurysms of the basilar artery presenting with a subarachnoid hemorrhage. Report of two cases. Hosoda K, et al. **J Neurosurg** 1991 Oct;75(4):628–33 (26 ref.)

[Spontaneous dissecting coronary hematoma (aneurysm) and sudden death] Cocco P, et al. **G Ital Cardiol** 1990 Sep; 20(9):795–800 (65 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Investigation of suspected dissection of the thoracic aorta. Treasure T, et al. **Lancet** 1991 Aug 24;338(8765):490–5 (23 ref.)

Radiologic evaluation of aortic dissection. Petasnick JP. **Radiology** 1991 Aug;180(2):297–305 (110 ref.)

EPIDEMIOLOGY

Spontaneous abdominal aortic dissection: case report and review. Uchino A, et al. **Radiat Med** 1990 Jul–Aug; 8(4):129–31 (18 ref.)

ETIOLOGY

Late complications involving the ascending aorta after cardiac surgery: recognition and management. Sabri MN, et al. **Am Heart J** 1991 Jun;121(6 (Pt 1)):1779–83 (31 ref.)

RADIOGRAPHY

Dissecting aneurysm of the posterior cerebral artery: spontaneous resolution. Maillo A, et al. **Neurosurgery** 1991 Aug;29(2):291–4 (29 ref.)

Dissecting aneurysms of the posterior inferior cerebellar artery. Yamaura A, et al. **Neurosurgery** 1991 Jun; 28(6):894–8 (6 ref.)

SURGERY

Left external iliac artery dissection and bilateral renal artery aneurysms secondary to fibromuscular dysplasia: a case report. Patel KS, et al. **Neth J Surg** 1990 Aug;42(4):118–20 (24 ref.)

[Dissecting aneurysm of distal posterior inferior cerebellar artery—case report and review of the literature] Nishino A, et al. **No To Shinkei** 1991 Apr;43(4):381–6 (37 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

The diagnosis and management of aortic dissection. Crawford ES. **JAMA** 1990 Nov 21;264(19):2537–41 (37 ref.)

ULTRASONOGRAPHY

Evaluation of aortic dissection by transesophageal echocardiography. Iliceto S, et al. **Cardiologia** 1990 May; 35(5):369–73 (14 ref.)

ANEURYSM, INFECTED

Infected intracranial aneurysm in an infant: case report. Whitfield PC, et al. **Neurosurgery** 1991 Apr;28(4):623–5 (27 ref.)

COMPLICATIONS

Ruptured gastric artery aneurysm complicating pneumococcal sepsis: a case report and review. Costantino MJ. **J Med Assoc Ga** 1990 Sep;79(9):677–8 (17 ref.)

Aspergillosis of the central nervous system causing subarachnoid hemorrhage from mycotic aneurysm of the basilar artery—case report. Iihara K, et al. **Neurol Med Chir (Tokyo)** 1990 Aug;30(8):618–23 (21 ref.)

DIAGNOSIS

Mycotic aneurysms of the carotid arteries—case report and review of the literature. Jebara VA, et al. **J Vasc Surg** 1991 Aug;14(2):215–9 (30 ref.)

[A fungal aneurysm in a patient with presumed Tolosa–Hunt syndrome] Shimizu T, et al. **No Shinkei Geka** 1991 May; 19(5):477–83 (36 ref.) (Eng. Abstr.) **(Jpn)**

ETIOLOGY

[Mycotic aneurysm of the sinus of Valsalva and complete atrioventricular block complicating infectious endocarditis with aortic regurgitation: a case report] Abe M, et al. **J Cardiol Suppl** 1991;25:187–94; discussion 195–6 (11 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Acute mycotic aneurysm of the ascending aorta following aortocoronary bypass: successful repair. Barbie RM, et al. **J Ky Med Assoc** 1991 May;89(5):213–7 (15 ref.)

[Report of a case which survived rupture in a hepatic artery mycotic aneurysm after aortic valve replacement] Makino T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Jul; 38(7):1236–40 (20 ref.) (Eng. Abstr.) **(Jpn)**

[A case of bacterial aneurysm following Hardy's operation] Takahashi Y, et al. **No Shinkei Geka** 1991 Jul;19(7):665–9 (20 ref.) (Eng. Abstr.) **(Jpn)**

ANEURYSM, MYCOTIC see **ANEURYSM, INFECTED**

ANF see **NATRIURETIC PEPTIDES, ATRIAL**

ANGER

Temper tantrums. Leung AK, et al. **Am Fam Physician** 1991 Aug;44(2):559–63 (13 ref.)

Anger: the hidden part of grief. Cerney MS, et al. **Bull Menninger Clin** 1991 Spring;55(2):228–37 (17 ref.)

Adolescent anger control: review and critique. Feindler EL. **Prog Behav Modif** 1990;26:11–59 (120 ref.)

Feminism and the cognitive theory of emotion: anger, blame and humor. Shibles W. **Women Health** 1991;17(1):57–69 (38 ref.)

ANGIITIS see **VASCULITIS**

ANGIITIS, ALLERGIC CUTANEOUS see **VASCULITIS, ALLERGIC CUTANEOUS**

ANGIITIS, ALLERGIC GRANULOMATOUS see **CHURG-STRAUSS SYNDROME**

ANGINA PECTORIS

Angina pectoris in the elderly. Fleg JL. **Cardiol Clin** 1991 Feb;9(1):177–87 (50 ref.)

[X syndrome: review of concepts] Carvalho M, et al. **Rev Port Cardiol** 1990 Nov;9(11):915–21 (58 ref.) (Eng. Abstr.) **(Por)**

CLASSIFICATION

Syndrome X. Henderson AH. **Cardiovasc Drugs Ther** 1989 Jun;3 Suppl 1:271–4 (27 ref.)

COMPLICATIONS

The relationship between esophageal motility disorders and microvascular angina. Benjamin SB. **Med Clin North Am** 1991 Sep;75(5):1135–42 (39 ref.)

Sudden death in ischemic heart disease. Bayés de Luna A, et al. **Rev Port Cardiol** 1990 May;9(5):473–9 (96 ref.)

DIAGNOSIS

Risk stratification in angina pectoris. Weiner DA. **Cardiol Clin** 1991 Feb;9(1):39–47 (46 ref.)

Microvascular angina. Cardiovascular investigations regarding pathophysiology and management. Cannon RO 3d. **Med Clin North Am** 1991 Sep;75(5):1097–118 (76 ref.)

[Clinical value of body surface mapping in the diagnosis of ischemic heart disease] Préda I, et al. **Orv Hetil** 1991 May 12;132(19):1019–26 (33 ref.) (Eng. Abstr.) **(Hun)**

["Esophageal" angina and angina pectoris] Bortolotti M, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):145–52 (42 ref.) (Eng. Abstr.) **(Ita)**

DRUG THERAPY

A review of the clinical experience with celiprolol in angina. McLenachan JM, et al. **Am Heart J** 1991 Feb;121(2 (Pt 2)):688–90 (11 ref.)

Clinical experience with bopindolol: summary of poster presentations. Ikeda M, et al. **Am J Cardiol** 1991 Apr 22; 67(10):47B–50B (0 ref.)

Thrombolysis in postinfarction angina. Ouyang P, et al. **Am J Cardiol** 1991 Sep 3;68(7):119B–124B (36 ref.)

Medical therapy of the hypertensive patient with concomitant angina pectoris. Lazar EJ, et al. **Cardiol Clin** 1991 Feb;9(1):167–76 (80 ref.)

Medical therapy of stable angina pectoris. Thadani U. **Cardiol Clin** 1991 Feb;9(1):73–87 (54 ref.)

Interdependence of pharmacologically-induced and endothelium-mediated coronary vasodilation in antianginal

therapy. Bassenge E, et al. **Cardiovasc Drugs Ther** 1988 May;2(1):27–34 (54 ref.)

Beta-adrenoceptor antagonists plus nifedipine in the treatment of chronic stable angina pectoris. Challenor VF, et al. **Cardiovasc Drugs Ther** 1989 Jun;3 Suppl 1:275–85 (62 ref.)

Labetalol in normotensive patients with angina pectoris. Fox K, et al. **Cardiovasc Drugs Ther** 1988 Sep;2(3):363–7 (19 ref.)

Pharmacology and therapeutic effects of nicorandil. Kinoshita M, et al. **Cardiovasc Drugs Ther** 1990 Aug; 4(4):1075–88 (128 ref.)

The combination of antianginal drugs: effects and indications. Lichtlen PR. **Cardiovasc Drugs Ther** 1988 May;2(1):47–60 (91 ref.)

Bepridil: a pharmacological reappraisal of its potential beneficial effects in angina and tissue protection following ischemia. Massingham R, et al. **Cardiovasc Drugs Ther** 1989 Oct;3(5):731–42 (78 ref.)

Efficacy of celiprolol in hypertension and angina pectoris. Introduction. Norris RJ. **Cardiovasc Drugs Ther** 1991 Jan; 4 Suppl 6:1195–6 (26 ref.)

Pharmacology of acute effort angina. Opie LH. **Cardiovasc Drugs Ther** 1989 Jun;3 Suppl 1:257–70 (106 ref.)

Role of vasodilation in the antihypertensive and antianginal effects of labetalol: implications for therapy of combined hypertension and angina. Opie LH. **Cardiovasc Drugs Ther** 1988 Sep;2(3):369–76 (57 ref.)

Nitrate tolerance in angina pectoris. Parker JO. **Cardiovasc Drugs Ther** 1989 Jan;2(6):823–9 (35 ref.)

Nonresponsiveness to antianginal therapy--a frequent problem? Schulz W. **Cardiovasc Drugs Ther** 1988 May; 2(1):71–7 (38 ref.)

Increased coronary tone in exertional angina: the beneficial effects of calcium antagonists. Specchia G, et al. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 5:893–7 (35 ref.)

The combination of slow-release nifedipine and atenolol for stable angina. Waller DG, et al. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 5:899–904 (33 ref.)

Optimizing the exercise test for pharmacological investigations [see comments] Myers J, et al. **Circulation** 1990 Nov;82(5):1839–46 (58 ref.) Comment in: Circulation 1991 Jun;83(6):2144–5.

Celiprolol. An updated review of its pharmacodynamic and pharmacokinetic properties, and therapeutic efficacy in cardiovascular disease. Milne RJ, et al. **Drugs** 1991 Jun; 41(6):941–69 (136 ref.)

Nitrate therapy: is there an optimal substance and formulation? Fung HL. **Eur Heart J** 1991 May;12 Suppl A:9–12 (25 ref.)

Nitrate tolerance--can it be prevented? Parker JO. **Eur Heart J** 1991 May;12 Suppl A:13–5 (19 ref.)

Update on nitrate therapy. Rinde-Hoffman D, et al. **J Clin Pharmacol** 1991 Aug;31(8):697–701 (17 ref.)

Pharmacology of the nitrovasodilators. Antianginal, antihypertensive, and antiplatelet actions. Gold ME. **Nurs Clin North Am** 1991 Jun;26(2):437–50 (43 ref.)

[Anti-angina therapy of coronary heart disease. Mono- or combination treatment] Kurz T, et al. **Z Kardiol** 1991 May; 80(5):305–16 (98 ref.) (Eng. Abstr.) **(Ger)**

[Angiotensin I converting enzyme inhibitors in ischemic cardiopathy] Ribeiro C. **Rev Port Cardiol** 1991 Apr; 10(4):345–53 (78 ref.) **(Por)**

[Hyperbaric oxygen and antianginal agents: experimental and clinical aspects of their interaction] Efuni SN, et al. **Kardiologiia** 1990 Sep;30(9):103–5 (39 ref.) **(Rus)**

ETIOLOGY

Timing and triggers of transient myocardial ischemia. Rocco MB. **Am J Cardiol** 1990 Nov 6;66(16):18G–21G (28 ref.)

Triggers of transient myocardial ischemia: circadian variation and relation to plaque rupture and coronary thrombosis in stable coronary artery disease. Stone PH. **Am J Cardiol** 1990 Nov 6;66(16):32G–36G (30 ref.)

Angina pectoris with normal coronary angiograms. Cannon RO 3d. **Cardiol Clin** 1991 Feb;9(1):157–66 (52 ref.)

Coronary-subclavian steal syndrome following coronary artery bypass grafting. Saydjari R, et al. **Cardiology** 1991; 78(1):53–7 (9 ref.)

Angina and myocardial infarction with normal coronary arteries [comment] Bourke ME, et al. **Postgrad Med J** 1991 Jan;67(783):4–8 (45 ref.) Comment on: Postgrad Med J 1991 Jan;67(783):78–80.

Chest pain with normal coronary anatomy: a review of natural history and possible etiologic factors. Chambers J, et al. **Prog Cardiovasc Dis** 1990 Nov-Dec;33(3):161–84 (214 ref.)

Predicting EPA's forthcoming CO standards in light of new clinical evidence. Graham JD, et al. **Risk Anal** 1991 Jun; 11(2):325–32 (22 ref.)

[Late coronary reperfusion. A possible etiology of post-infarction angina] Joly P, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):831–5 (15 ref.) (Eng. Abstr.) **(Fre)**

[Mechanisms of development of microcirculatory disorders in patients with stable angina pectoris] Atroshchenko ES. **Patol Fiziol Eksp Ter** 1991 Mar-Apr;(2):60–3 (78 ref.) **(Rus)**

HISTORY

The angina pectoris controversy during the 1920s. Lie RK. **Acta Physiol Scand Suppl** 1991;599:135–47 (77 ref.)

MORTALITY

The prognosis in stable and unstable angina. Hilton TC, et al. **Cardiol Clin** 1991 Feb;9(1):27–38 (55 ref.)

PATHOLOGY

The pathological basis of angina pectoris. Davies MJ. **Cardiovasc Drugs Ther** 1989 Jun;3 Suppl 1:249–55 (45 ref.)

PHYSIOPATHOLOGY

Pain perception and endogenous pain modulation in angina pectoris. Droste C, et al. **Adv Cardiol** 1990;37:142–64 (66 ref.)

Significance of experimental models in assessing the link between myocardial ischemia and pain. Malliani A. **Adv Cardiol** 1990;37:126–41 (36 ref.)

Pathophysiology of stable angina pectoris. Lambert CR. **Cardiol Clin** 1991 Feb;9(1):1–10 (42 ref.)

The pathological basis of angina pectoris. Davies MJ. **Cardiovasc Drugs Ther** 1989 Jun;3 Suppl 1:249–55 (45 ref.)

Influence of opiate systems in pain transmission during angina pectoris. Droste C. **Z Kardiol** 1990;79 Suppl 3:31–43 (181 ref.)

PREVENTION & CONTROL

Is there an optimal prophylactic nitrate therapy? Olsson G, et al. **Eur Heart J** 1991 May;12 Suppl A:21–3 (20 ref.)

RADIOGRAPHY

Coronary arteriography in the anginal syndromes. Kulick DL. **Cardiol Clin** 1991 Feb;9(1):63–71 (73 ref.)

[Angina pectoris, provocable by exercise, and silent myocardial ischemia in the light of results of coronary angiography] Csanádi Z, et al. **Orv Hetil** 1991 Jun 9; 132(23):1239–40,1243 (28 ref.) (Eng. Abstr.) **(Hun)**

SURGERY

Bypass surgery for chronic stable angina: predictors of survival benefit and strategy for patient selection. Nwasokwa ON, et al. **Ann Intern Med** 1991 Jun 15; 114(12):1035–49 (82 ref.)

Coronary bypass surgery for stable angina and unstable angina pectoris. Hammermeister KE, et al. **Cardiol Clin** 1991 Feb;9(1):135–55 (87 ref.)

Evaluation of the patient with stable angina following coronary artery bypass surgery. Miller DD. **Cardiovasc Clin** 1991;21(2):137–67 (81 ref.)

THERAPY

Mechanisms of silent myocardial ischemia: implications for selection of optimal therapy. Stone PH. **Adv Cardiol** 1990; 37:328–48 (63 ref.)

Percutaneous coronary angioplasty in stable and unstable angina. Faxon DP. **Cardiol Clin** 1991 Feb;9(1):99–113 (63 ref.)

Developing a rational management strategy for angina pectoris after coronary bypass surgery: a clinical decision analysis. Mills RM Jr, et al. **Clin Cardiol** 1991 Mar; 14(3):191–7 (41 ref.)

ANGINA PECTORIS, VARIANT

DIAGNOSIS

The hyperventilation challenge test. Another means of identifying coronary vasospasm in patients with angina-like chest pain. Magarian GJ, et al. **Chest** 1991 Jan; 99(1):199–204 (62 ref.)

ANGINA, PREINFARCTION see ANGINA, UNSTABLE

ANGINA, UNSTABLE

Unstable angina pectoris. Gelman JS. **Aust Fam Physician** 1990 Jul;19(7):1013–4, 1016–7, 1021–5 (22 ref.)

COMPLICATIONS

Pathogenesis of thrombosis in unstable angina. Chesebro JH, et al. **Am J Cardiol** 1991 Sep 3;68(7):2B–10B (64 ref.)

DRUG THERAPY

Thrombosis and thrombolysis in unstable angina. Brochier ML, et al. **Am J Cardiol** 1991 Sep 3;68(7):105B–109B (38 ref.)

Thrombolysis in refractory unstable angina. Brunelli C, et al. **Am J Cardiol** 1991 Sep 3;68(7):110B–118B (40 ref.)

Thrombolysis in unstable angina: results of clinical studies. Scrutinio D, et al. **Am J Cardiol** 1991 Sep 3;68(7):99B–104B (53 ref.)

Antiplatelet and antithrombotic therapy in unstable angina. Théroux P. **Am J Cardiol** 1991 Sep 3;68(7):92B–98B (40 ref.)

Medical therapy of unstable angina pectoris. Gottlieb SO, et al. **Cardiol Clin** 1991 Feb;9(1):89–98 (59 ref.)

Unstable angina: current concepts of medical management. Hamm CW, et al. **Cardiovasc Drugs Ther** 1988 Sep; 2(3):333–9 (79 ref.)

Which role for antiplatelet and anticoagulant drugs in unstable angina pectoris? Lewis HD Jr. **Cardiovasc Drugs Ther** 1988 May;2(1):103–6 (7 ref.)

Heparin and antiaggregating therapy in unstable angina. Neri Serneri GG, et al. **Haemostasis** 1990;20 Suppl 1:113–21 (39 ref.)

Pathophysiological role of thromboxane A2 and pharmacological approaches to its inhibition. Patscheke H, et al. **Z Kardiol** 1990;79 Suppl 3:151–4 (17 ref.)

[Thrombolytic therapy in unstable angina: a critical review] Meplini P, et al. **G Ital Cardiol** 1990 Dec;20(12):1150–4 (61 ref.) **(Ita)**

[Drug therapy of acute coronary syndrome. Summary of a hearing arranged by the Norwegian Cardiologic Society and the Institute of pharmacotherapy] Aursnes I, et al. **Tidsskr Nor Laegeforen** 1990 Sep 10;110(21):2788–90 (2 ref.) (Eng. Abstr.) **(Nor)**

ETIOLOGY

Platelet activation in the pathogenesis of unstable angina: importance in determining the response to plasminogen activators. Fitzgerald DJ. **Am J Cardiol** 1991 Sep 3; 68(7):51B–57B (49 ref.)

The elusive cause of instability in unstable angina. Maseri A, et al. **Am J Cardiol** 1991 Sep 3;68(7):16B–21B (43 ref.)

Unstable angina: special considerations in the postbypass patient. Théroux P, et al. **Cardiovasc Clin** 1991;21(2):169–91 (123 ref.)

Insights into the pathogenetic mechanisms of unstable angina. Cohen M, et al. **Haemostasis** 1990;20 Suppl 1:102–12 (90 ref.)

[Unstable angina pectoris--current pathogenetic concepts] Penkov N, et al. **Vutr Boles** 1990;29(6):7–13 (0 ref.) **(Bul)**

MORTALITY

The prognosis in stable and unstable angina. Hilton TC, et al. **Cardiol Clin** 1991 Feb;9(1):27–38 (55 ref.)

PATHOLOGY

The heart in fatal unstable angina pectoris. Roberts WC, et al. **Am J Cardiol** 1991 Sep 3;68(7):22B–27B (11 ref.)

PHYSIOPATHOLOGY

Pathophysiology of unstable angina. Shah PK. **Cardiol Clin** 1991 Feb;9(1):11–26 (96 ref.)

PREVENTION & CONTROL

Risk stratification in unstable angina: screening for silent myocardial ischemia. Gottlieb SO. **Adv Cardiol** 1990; 37:223–35 (39 ref.)

RADIOGRAPHY

Angiography in unstable angina. Ambrose JA, et al. **Am J Cardiol** 1991 Sep 3;68(7):78B–84B (38 ref.)

SURGERY

Coronary bypass surgery for stable angina and unstable angina pectoris. Hammermeister KE, et al. **Cardiol Clin** 1991 Feb;9(1):135–55 (87 ref.)

THERAPY

Percutaneous transluminal coronary angioplasty for unstable angina. de Feyter PJ, et al. **Am J Cardiol** 1991 Sep 3; 68(7):125B–135B (129 ref.)

Integration of anticoagulation, thrombolysis and coronary angioplasty for unstable angina pectoris. Topol EJ. **Am J Cardiol** 1991 Sep 3;68(7):136B–141B (36 ref.)

Percutaneous coronary angioplasty in stable and unstable angina. Faxon DP. **Cardiol Clin** 1991 Feb;9(1):99–113 (63 ref.)

Unstable angina pectoris. Wallace WA, et al. **Clin Cardiol** 1990 Oct;13(10):679–86 (40 ref.)

Restenosis after successful coronary angioplasty in single vessel disease. Kaul U, et al. **Indian Heart J** 1991 Jan-Feb; 43(1):11–5 (23 ref.)

[Unstable angina: from physiopathology to therapeutics] Antony I, et al. **Arch Mal Coeur Vaiss** 1991 Apr; 84(4):543–50 (40 ref.) (Eng. Abstr.) **(Fre)**

[Unstable angina: a physiopathologic approach to therapy] Brunelli C, et al. **G Ital Cardiol** 1990 Oct;20(10):962–71 (63 ref.) **(Ita)**

[Coronary angioplasty in acute coronary syndrome] Martínez Elbal L, et al. **Rev Port Cardiol** 1990 May;9(5):463–70 (34 ref.) (Eng. Abstr.) **(Spa)**

ULTRASONOGRAPHY

Characterization of atherosclerotic lesions by intravascular ultrasound: possible role in unstable coronary syndromes and in interventional therapeutic procedures. Keren G, et al. **Am J Cardiol** 1991 Sep 3;68(7):85B–91B (30 ref.)

ANGIOCARDIOGRAPHY

Choice of contrast agents for cardiac angiography: review and recommendations based on clinically important distinctions. Matthai WH Jr, et al. **Cathet Cardiovasc Diagn** 1991 Apr;22(4):278–89 (70 ref.)

Outpatient left heart and coronary arteriography. The current

practice at the University of Louisville School of Medicine. Talley JD, et al. **J Ky Med Assoc** 1990 Sep;88(9):488–93 (24 ref.)
[Intraoperative diagnosis of the heart and great vessels--measuring blood flow and angiocardiography] Meisner H. **Z Kardiol** 1990;79 Suppl 4:121–6 (11 ref.) (Eng. Abstr.) **(Ger)**
[Angina pectoris, provocable by exercise, and silent myocardial ischemia in the light of results of coronary angiography] Csanádi Z, et al. **Orv Hetil** 1991 Jun 9; 132(23):1239–40,1243 (28 ref.) (Eng. Abstr.) **(Hun)**
[Quantitative coronary angiography: methods, technics and usefulness (editorial)] Morales Villegas EC, et al. **Arch Inst Cardiol Mex** 1990 Jul–Aug;60(4):325–9 (47 ref.) **(Spa)**

ANGIOEDEMA see **ANGIONEUROTIC EDEMA**

ANGIOFOLLICULAR LYMPHOID HYPERPLASIA see **GIANT LYMPH NODE HYPERPLASIA**

ANGIOGENESIS see **NEOVASCULARIZATION**

ANGIOGENESIS FACTOR

PHYSIOLOGY

Regulators of angiogenesis. Klagsbrun M, et al. **Annu Rev Physiol** 1991;53:217–39 (140 ref.)
Neovascularisation: has the angiogenic factor already been found? Loughnan MS. **Aust N Z J Ophthalmol** 1991 Feb; 19(1):65–9 (27 ref.)
Neovascular growth factors. Schultz GS, et al. **Eye** 1991;5 (Pt 2):170–80 (48 ref.)
Low molecular weight angiogenesis factors. Odedra R, et al. **Pharmacol Ther** 1991;49(1–2):111–24 (122 ref.)

ANGIOGRAPHY

Angiography in unstable angina. Ambrose JA, et al. **Am J Cardiol** 1991 Sep 3;68(7):78B–84B (38 ref.)
Magnetic resonance angiography in the abdomen and pelvis. Koch M, et al. **Curr Opin Radiol** 1991 Jun;3(3):463–70 (25 ref.)
Arteriography of the hand and wrist. Vogelzang RL. **Hand Clin** 1991 Feb;7(1):63–86 (70 ref.)
Computed tomography and angiogram of primary hepatic rhabdomyosarcoma: report of two adult cases. Hayakawa K, et al. **Radiat Med** 1990 Mar–Apr;8(2):35–9 (13 ref.)
Angiography of epiaortic vessels. Bonomo L, et al. **Rays** 1990 Apr–Jun;15(2):221–41 (27 ref.) **(Eng, Ita)**
Magnetic resonance angiography of epiaortic vessels. Carriero A, et al. **Rays** 1990 Apr–Jun;15(2):269–79 (17 ref.) **(Eng, Ita)**
Angiography of the intracranial vessels. Colosimo C, et al. **Rays** 1990 Apr–Jun;15(2):243–67 (41 ref.) **(Eng, Ita)**
Diagnostic and interventional angiography of hepatocellular carcinoma. Falappa PG, et al. **Rays** 1990 Jul–Sep; 15(3):381–98 (33 ref.) **(Eng, Ita)**
[Ambulatory angiography] Teifke A, et al. **Fortschr Med** 1991 Jun 10;109(17):357–9; discussion 359–60 (15 ref.) (Eng. Abstr.) **(Ger)**
[Can atherosclerotic lesions regress? Angiographic demonstrations in humans] Blankenhorn DH. **G Ital Cardiol** 1990 Nov;20(11):1085–7 (7 ref.) **(Ita)**

ADVERSE EFFECTS

The adverse effects of angiographic radiocontrast media. Westhoff-Bleck M, et al. **Drug Saf** 1991 Jan–Feb;6(1):28–36 (72 ref.)

INSTRUMENTATION

A hematologist's view of contrast media, clotting in angiography syringes and thrombosis during coronary angiography. Grabowski EF. **Am J Cardiol** 1990 Oct 26; 66(14):23F–25F (17 ref.)

METHODS

Lower-extremity arteriography: current approach and techniques. Darcy MD. **Radiology** 1991 Mar;178(3):615–21 (44 ref.)
[Early angiographic assessment of coronary revascularizations using the internal mammary artery. Apropos of a consecutive and prospective series of 180 bypass grafts] Bergeron P, et al. **Ann Chir** 1991;45(2):82–9 (71 ref.) (Eng. Abstr.) **(Fre)**
[Coronary angiography with synchrotron radiation] Takeda T, et al. **Nippon Rinsho** 1991 May;49(5):1196–209 (37 ref.) **(Jpn)**

ANGIOGRAPHY, DIGITAL SUBTRACTION

The role of digital subtraction angiography in the quantitation of coronary stenosis. Katritsis D, et al. **Int J Cardiol** 1990 Dec;29(3):277–83 (42 ref.)
Clinical application of DSA and evaluation of its methods: analysis of 160 cases and review of literature. Yong OY, et al. **Radiat Med** 1990 May–Jun;8(3):71–8 (14 ref.)
Diagnostic and interventional angiography of hepatocellular carcinoma. Falappa PG, et al. **Rays** 1990 Jul–Sep; 15(3):381–98 (33 ref.) **(Eng, Ita)**

METHODS

Application of a visual model to vascular segmentation. Besson GM. **Prog Clin Biol Res** 1991;363:389–98 (17 ref.)
[Intra-arterial digital angiography using a trans-humeral approach in the assessment of ambulatory patients] Florio F, et al. **Radiol Med (Torino)** 1990 Jul–Aug;80(1–2):63–8 (17 ref.) (Eng. Abstr.) **(Ita)**

ANGIOGRAPHY, GATED RADIONUCLIDE see **GATED BLOOD-POOL IMAGING**

ANGIOGRAPHY, RADIONUCLIDE see **RADIONUCLIDE ANGIOGRAPHY**

ANGIOHEMOPHILIA see **VON WILLEBRAND'S DISEASE**

ANGIOID STREAKS

ETIOLOGY

Systemic associations of angioid streaks. Mansour AM. **Int Ophthalmol Clin** 1991 Summer;31(3):61–8 (30 ref.)

ANGIOIMMUNOBLASTIC LYMPHADENOPATHY see **IMMUNOBLASTIC LYMPHADENOPATHY**

ANGIOKERATOMA CORPORIS DIFFUSUM

COMPLICATIONS

[Early acroparesthesia in females: a sign disclosing heterozygote Fabry disease] Larrégue M, et al. **Ann Dermatol Venereol** 1991;118(3):191–7 (40 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Anderson–Fabry disease (angiokeratoma corporis diffusum universale). Radcliffe KW, et al. **Genitourin Med** 1990 Oct; 66(5):399–400 (5 ref.)

ANGIOLYMPHOID HYPERPLASIA WITH EOSINOPHILIA

Angiolymphoid hyperplasia with eosinophilia of the hand. A case report. Haas AF, et al. **J Dermatol Surg Oncol** 1991 Sep;17(9):731–4 (30 ref.)

DIAGNOSIS

[Further cases of Kimura's disease in the USSR] Samsonov VA, et al. **Vestn Dermatol Venerol** 1990;(9):20–3 (19 ref.) (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Angiolymphoid hyperplasia with eosinophilia. Remission with acitretin] Marcoux C, et al. **Ann Dermatol Venereol** 1991;118(3):217–21 (22 ref.) **(Fre)**

PATHOLOGY

Angiolymphoid hyperplasia with eosinophilia of the tongue: report of a case and review of the literature. Razquin S, et al. **Hum Pathol** 1991 Aug;22(8):837–9 (12 ref.)
Angiolymphoid hyperplasia with eosinophilia. Sharp JF, et al. **J Laryngol Otol** 1990 Dec;104(12):977–9 (13 ref.)

ANGIOMA see **HEMANGIOMA**

ANGIOMA, SCLEROSING

[Juvenile nasopharyngeal angiofibroma. Apropos of a case] de Miguel García F, et al. **Acta Otorrinolaringol Esp** 1990 May–Jun;41(3):200–4 (29 ref.) (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Spontaneous regression of juvenile nasopharyngeal angiofibroma. Weprin LS, et al. **Arch Otolaryngol Head Neck Surg** 1991 Jul;117(7):796–9 (15 ref.)

SURGERY

Juvenile nasopharyngeal angiofibroma. Patterson CN. **Otolaryngol Clin North Am** 1973 Oct;6(3):839–61 (22 ref.)

ANGIOMATOSIS

see related
TELANGIECTASIA, HEREDITARY HEMORRHAGIC

COMPLICATIONS

The clinicopathologic spectrum of bacillary (epithelioid) angiomatosis. Cockerell CJ. **Prog AIDS Pathol** 1990; 2:111–26 (11 ref.)
Intractable complex partial seizures associated with occult temporal lobe encephalocele and meningoangiomatosis: a case report. Whiting DM, et al. **Surg Neurol** 1990 Nov; 34(5):318–22 (12 ref.)
[Epithelioid angiomatosis and HIV infection. A neoplastic or infectious proliferative disease?] Aguilar Ligorit E, et al. **An Med Interna** 1990 Jun;7(6):312–4 (25 ref.) (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Bacillary angiomatosis. Berger TG, et al. **AIDS Clin Rev** 1991;:81–95 (34 ref.)

SURGERY

[A case of meningioangiomatosis in an infant] Oka Y, et al. **No Shinkei Geka** 1991 Aug;19(8):761–5 (15 ref.) (Eng. Abstr.) **(Jpn)**

VETERINARY

Juvenile bovine angiomatosis: a syndrome of young cattle. Watson TD, et al. **Vet Rec** 1990 Sep 15;127(11):279–82 (16 ref.)

ANGIONEUROTIC EDEMA

Episodic angioedema with eosinophilia (Gleich syndrome). Schiavino D, et al. **Allergol Immunopathol (Madr)** 1990 Jul–Aug;18(4):233–6 (27 ref.)
Angioedema: manifestations and management. Greaves M, et al. **J Am Acad Dermatol** 1991 Jul;25(1 Pt 2):155–61; discussion 161–5 (37 ref.)
Acute and chronic urticaria and angioedema. Soter NA. **J Am Acad Dermatol** 1991 Jul;25(1 Pt 2):146–54 (82 ref.)
Angioedema. A review on the acquired, allergic or non-allergic, and the hereditary forms. Späth PJ, et al. **Recenti Prog Med** 1990 Jul–Aug;81(7–8):513–31 (116 ref.)
[Hereditary angioneurotic edema. Recent progress in diagnosis and treatment. Importance of a national registry] Laurent J, et al. **Allerg Immunol (Paris)** 1991 Jan;23(1):5–9 (9 ref.) (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Clinical characteristics of angiotensin-converting enzyme inhibitor-induced angioedema. Roberts JR, et al. **Ann Emerg Med** 1991 May;20(5):555–8 (17 ref.)

DIAGNOSIS

Urticaria and angioedema: diagnosis and evaluation. Cooper KD. **J Am Acad Dermatol** 1991 Jul;25(1 Pt 2):166–74; discussion 174–6 (28 ref.)

GENETICS

Potentially fatal hereditary angioedema: a review and case report. Hardie J, et al. **J Can Dent Assoc** 1990 Dec; 56(12):1096–9 (16 ref.)
[Clinical contribution to the problem of correlations between hereditary angioneurotic edema and pregnancy] Ferlazzo B, et al. **Minerva Ginecol** 1990 Sep;42(9):351–6 (29 ref.) (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Autoimmune angioedema: a new role for autoantibody in disease pathogenesis. Jackson J, et al. **Autoimmunity** 1990; 7(2–3):181–7 (22 ref.)

ANGIOPLASTY, BALLOON see **ANGIOPLASTY, TRANSLUMINAL**

ANGIOPLASTY, CORONARY BALLOON see **ANGIOPLASTY, TRANSLUMINAL, PERCUTANEOUS CORONARY**

ANGIOPLASTY, LASER

Basic data related to laser angioplasty. Seeger JM. **Ann Vasc Surg** 1990 Sep;4(5):515–8 (13 ref.)
Interventional cardiology. Holmes DR Jr, et al. **Cardiol Clin** 1991 Feb;9(1):115–34 (102 ref.)
Hot-tip laser. Results and complications. Greenfield AJ. **Circulation** 1991 Feb;83(2 Suppl):I94–6 (15 ref.)
Impact of nonoperative therapy on the clinical management of peripheral arterial disease. Veith FJ, et al. **Circulation** 1991 Feb;83(2 Suppl):I137–42 (26 ref.)
Status of percutaneous transluminal coronary angioplasty. Roubin GS. **Curr Probl Cardiol** 1990 Dec;15(12):723–804 (136 ref.)
Laser balloon angioplasty: potential for reduction of the thrombogenicity of the injured arterial wall and for local application of bioprotective materials. Spears JR, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):179B–188B (86 ref.)
[Laser angioplasty and the treatment of atherosclerotic vascular disorders] Sprangers RL. **Ned Tijdschr Geneeskd** 1991 Jul 27;135(30):1345–50 (37 ref.) **(Dut)**

ADVERSE EFFECTS

Hot-tip laser. Results and complications. Greenfield AJ. **Circulation** 1991 Feb;83(2 Suppl):I94–6 (15 ref.)

INSTRUMENTATION

[Laser angioplasty of coronary stenoses] Baumbach A, et al. **Fortschr Med** 1991 Mar 30;109(9):195–8 (13 ref.) (Eng. Abstr.) **(Ger)**

[Current state of interventional measures in cardiology] Klein W, et al. **Wien Med Wochenschr** 1991;141(3):41–3 (24 ref.) (Eng. Abstr.) **(Ger)**

ANGIOPLASTY, TRANSLUMINAL

Balloon valvuloplasty and angioplasty of stenotic lesions of the heart and great vessels in children. Rao PS. **Adv Pediatr** 1990;37:33–76 (222 ref.)

Role of balloon angioplasty in the treatment of aortic coarctation. Rao PS, et al. **Ann Thorac Surg** 1991 Sep; 52(3):621–31 (95 ref.)

Impact of nonoperative therapy on the clinical management of peripheral arterial disease. Veith FJ, et al. **Circulation** 1991 Feb;83(2 Suppl):I137–42 (26 ref.)

Renal angioplasty. Markowitz DM, et al. **Curr Opin Radiol** 1990 Dec;2(6):803–8 (17 ref.)

Cerebral angioplasty: a new treatment for vasospasm secondary to subarachnoid hemorrhage. Cook HA. **J Neurosci Nurs** 1990 Oct;22(5):319–21 (16 ref.)

Balloon dilation of branch pulmonary artery stenosis. Rothman A, et al. **Semin Thorac Cardiovasc Surg** 1990 Jan; 2(1):46–54 (33 ref.)

[Long-term results of percutaneous transluminal angioplasty of the iliac arteries] Carlier C, et al. **J Mal Vasc** 1990; 15(3):224–8 (0 ref.) (Eng. Abstr.) **(Fre)**

[Femoral angioplasty. Long-term results] Foucart H, et al. **J Mal Vasc** 1990;15(3):229–33 (0 ref.) (Eng. Abstr.) **(Fre)**

[Intravascular technics of cerebral revascularization] Théron J, et al. **J Mal Vasc** 1990;15(3):245–56 (37 ref.) (Eng. Abstr.) **(Fre)**

[4 years' experience with a balloon-expandable endoprosthesis. Experimental and clinical application] Kauffmann GW, et al. **Radiologe** 1991 Apr;31(4):202–9 (27 ref.) (Eng. Abstr.) **(Ger)**

[Percutaneous transluminal pulmonary valvuloplasty. Results in 34 cases] Santos de Soto J, et al. **An Esp Pediatr** 1991 Feb;34(2):137–41 (28 ref.) (Eng. Abstr.) **(Spa)**

[Transluminal percutaneous pulmonary valvuloplasty. Follow up of 34 patients] Santos de Soto J, et al. **An Esp Pediatr** 1991 Mar;34(3):215–9 (27 ref.) (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

[Indications for interventional neuroradiology. Arterial lysis, angioplasty and embolizing procedures] Grzyska U, et al. **Fortschr Med** 1991 Mar 30;109(9):199–203 (23 ref.) (Eng. Abstr.) **(Ger)**

[Interventional angiology in the area of the thigh. Percutaneous balloon dilatation, new procedures of recanalization, stents] Teifke A, et al. **Fortschr Med** 1991 Mar 30;109(9):204–7 (17 ref.) (Eng. Abstr.) **(Ger)**

[Nonsurgical recanalization of tibial arteries. Balloon dilatation, local fibrinolysis and aspiration embolectomy] Teifke A, et al. **Fortschr Med** 1991 Mar 30;109(9):208–9 (9 ref.) (Eng. Abstr.) **(Ger)**

METHODS

XeCl excimer laser coronary angioplasty: a convergence of favourable factors. Avrillier S, et al. **J Photochem Photobiol B** 1990 Jun;6(1–2):249–57 (24 ref.)

[Percutaneous recanalization of renal arterial occlusion. Apropos of a case] Boyer L, et al. **J Radiol** 1991 Mar; 72(3):165–70 (15 ref.) (Eng. Abstr.) **(Fre)**

[Treatment of atherosclerosis. New percutaneous intraluminal techniques] Lablanche JM. **Presse Med** 1990 Oct 6;19(32):1497–502 (44 ref.) (Eng. Abstr.) **(Fre)**

[Indications for percutaneous transluminal angioplasty and local thrombolysis in peripheral arterial occlusive disease] Marosi L, et al. **Vasa Suppl** 1990;30:46–9 (20 ref.) **(Ger)**

[Arterial occlusive disease: percutaneous transluminal angioplasty] Zeitler E. **Verh Dtsch Ges Inn Med** 1990; 96:375–8 (16 ref.) **(Ger)**

ANGIOPLASTY, TRANSLUMINAL, PERCUTANEOUS CORONARY

Silent myocardial ischemia after bypass surgery and percutaneous transluminal coronary angioplasty. Gohlke-Bärwolf C, et al. **Adv Cardiol** 1990;37:288–96 (18 ref.)

Prevention of restenosis after percutaneous transluminal coronary angioplasty: the search for a "magic bullet". Hermans WR, et al. **Am Heart J** 1991 Jul;122(1 (Pt 1)):171–87 (88 ref.)

Percutaneous transluminal coronary angioplasty for unstable angina. de Feyter PJ, et al. **Am J Cardiol** 1991 Sep 3; 68(7):125B–135B (129 ref.)

Integration of anticoagulation, thrombolysis and coronary angioplasty for unstable angina pectoris. Topol EJ. **Am J Cardiol** 1991 Sep 3;68(7):136B–141B (36 ref.)

Emergency aortocoronary bypass after failed angioplasty. Greene MA, et al. **Ann Thorac Surg** 1991 Feb;51(2):194–9 (24 ref.)

Restenosis after coronary balloon angioplasty. Lange RA, et al. **Annu Rev Med** 1991;42:127–32 (8 ref.)

Long-term results of coronary balloon angioplasty. Meier B. **Annu Rev Med** 1991;42:47–59 (51 ref.)

Coronary sinus interventions: state of the art and initial clinical experience with retroperfusion support during angioplasty [editorial] Haendchen RV, et al. **Arq Bras Cardiol** 1990 May;54(5):293–305 (97 ref.)

Update on percutaneous transluminal coronary angioplasty and CABG. Mews GC. **Aust Fam Physician** 1990 Jul; 19(7):1027–9, 1032, 1035–8 (13 ref.)

Emergency coronary artery bypass surgery following coronary angioplasty—favourable medium term outcome after eight years' experience. Celermajer DS, et al. **Aust N Z J Med** 1991 Apr;21(2):211–6 (18 ref.)

Restenosis after angioplasty. Gershlick AH, et al. **Br Heart J** 1990 Dec;64(6):351–3 (25 ref.)

Desirability of immediate surgical standby for coronary angioplasty. Levy RD, et al. **Br Heart J** 1991 Feb; 65(2):68–71 (20 ref.)

Percutaneous coronary angioplasty in stable and unstable angina. Faxon DP. **Cardiol Clin** 1991 Feb;9(1):99–113 (63 ref.)

Indications for coronary angioplasty in acute myocardial ischemic syndromes. de Feyter PJ, et al. **Cardiovasc Drugs Ther** 1988 May;2(1):93–101 (84 ref.)

Coronary angioplasty following cardiac transplantation: a case report and review of the literature. Prewitt KC, et al. **Cathet Cardiovasc Diagn** 1991 Jan;22(1):25–7 (11 ref.)

Indications, timing, and optimal technique for diagnostic angiography and angioplasty in acute myocardial infarction. Bittl JA. **Chest** 1991 Apr;99(4 Suppl):150S–156S (37 ref.)

Coronary angiography and interventional cardiology. Fleck E, et al. **Curr Opin Radiol** 1991 Aug;3(4):550–60 (31 ref.)

Status of percutaneous transluminal coronary angioplasty. Roubin GS. **Curr Probl Cardiol** 1990 Dec;15(12):723–804 (136 ref.)

The role of intervention following thrombolysis for acute myocardial infarction. Hillis WS. **Eur Heart J** 1990 Aug; 11 Suppl F:56–60 (18 ref.)

Long-term follow-up after attempted angioplasty of saphenous vein grafts: the Thoraxcenter experience 1981–1988. Meester BJ, et al. **Eur Heart J** 1991 May; 12(5):648–53 (40 ref.)

Restenosis after successful coronary angioplasty in single vessel disease. Kaul U, et al. **Indian Heart J** 1991 Jan–Feb; 43(1):11–5 (23 ref.)

Pharmacologic roles of heparin and glucocorticoids to prevent restenosis after coronary angioplasty. Berk BC, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):111B–117B (51 ref.)

Restenosis after coronary angioplasty: an overview. Califf RM, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):2B–13B (79 ref.)

Importance of antithrombin therapy during coronary angioplasty. Chesebro JH, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):96B–100B (46 ref.)

Prospects for the use of antagonists to the platelet glycoprotein IIb/IIIa receptor to prevent post-angioplasty restenosis and thrombosis. Ellis SG, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):89B–95B (82 ref.)

Endothelial modulation of vascular tone: relevance to coronary angioplasty and restenosis. Harrison DG. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):71B–76B (49 ref.)

The role of platelets, thrombin and hyperplasia in restenosis after coronary angioplasty. Ip JH, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):77B–88B (107 ref.)

Colchicine and antineoplastic therapy for the prevention of restenosis after percutaneous coronary interventions. Muller DW, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):126B–131B (49 ref.)

Role of percutaneous transluminal coronary angioplasty in the treatment of patients with multivessel coronary artery disease: a review. Glazier JJ, et al. **J R Soc Med** 1991 Apr; 84(4):224–8 (25 ref.)

Percutaneous transluminal coronary angioplasty for Kawasaki disease: a case report and literature review. Ino T, et al. **Pediatr Cardiol** 1991 Jan;12(1):33–5 (10 ref.)

Angioplasty of carotid arteries. Belloni G. **Rays** 1990 Apr-Jun;15(2):281–99 (24 ref.) **(Eng, Ita)**

Radionuclide methods to evaluate percutaneous transluminal coronary angioplasty. DePuey EG. **Semin Nucl Med** 1991 Apr;21(2):102–15 (37 ref.)

Thrombolysis in acute myocardial infarction: need for a change in strategy and future directions. Pitt B. **Z Kardiol** 1990;79 Suppl 3:161–5 (25 ref.)

[Coronary angioplasty in patients aged 70 and over. Immediate results and later outcome] Jouve B, et al. **Arch Mal Coeur** 1990 Sep;83(10):1501–6 (17 ref.) (Eng. Abstr.) **(Fre)**

[Acute myocardial infarction: immediate coronary angioplasty for failure or contra-indications of thrombolytic therapy. Apropos of a series of 100 cases] Mossard JM, et al. **Arch Mal Coeur Vaiss** 1991 Apr; 84(4):469–75 (30 ref.) (Eng. Abstr.) **(Fre)**

[Indications for percutaneous transluminal coronary angioplasty] Eggeling T, et al. **Dtsch Med Wochenschr** 1991 Feb 22;116(8):304–9 (61 ref.) **(Ger)**

[Biological and cellular mechanisms of restenosis after transluminal coronary angioplasty] De Caterina R, et al. **G Ital Cardiol** 1991 Jan;21(1):75–86 (71 ref.) **(Ita)**

[Early functional evaluation after coronary angioplasty: uses and limitations (published erratum appears in G Ital Cardiol 1991 Feb;21(2):following Table of Contents)] Massa D, et al. **G Ital Cardiol** 1990 Nov;20(11):1034–7 (24 ref.) **(Ita)**

[Strategies of reperfusion in developing infarct] Zago AJ, et al. **Arq Bras Cardiol** 1990 Nov;55(5):329–38 (41 ref.) **(Por)**

ADVERSE EFFECTS

A rare complication of percutaneous transluminal coronary angioplasty--left main disease. Vardhan IN, et al. **Am Heart J** 1991 Mar;121(3 (Pt 1)):902–5 (11 ref.)

A paradigm for restenosis based on cell biology: clues for the development of new preventive therapies. Forrester JS, et al. **J Am Coll Cardiol** 1991 Mar 1;17(3):758–69 (109 ref.)

[Coronary angioplasty in acute coronary syndrome] Martínez Elbal L, et al. **Rev Port Cardiol** 1990 May;9(5):463–70 (34 ref.) (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

New mechanical devices for treatment of coronary artery disease. Erbel R, et al. **Z Kardiol** 1990;79 Suppl 3:121–9 (63 ref.)

[Current state of interventional measures in cardiology] Klein W, et al. **Wien Med Wochenschr** 1991;141(3):41–3 (24 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Angioplasty of bypass grafts and native arteries. Waters D, et al. **Cardiovasc Clin** 1991;21(2):241–56 (35 ref.)

Percutaneous support devices for high risk or complicated coronary angioplasty. Lincoff AM, et al. **J Am Coll Cardiol** 1991 Mar 1;17(3):770–80 (85 ref.)

Pathogenesis of restenosis. A correlation of clinical observations with cellular responses. Haudenschild CC. **Z Kardiol** 1990;79 Suppl 3:17–22 (46 ref.)

STANDARDS

Role of angioplasty in myocardial infarction management strategies: a review. Ross AM. **Heart Lung** 1990 Nov; 19(6):604–7 (11 ref.)

TRENDS

Coronary balloon angioplasty and vascular response to injury. Perspectives for the 1990's. Haendchen RV. **Arq Bras Cardiol** 1990 Jan;54(1):7–12 (32 ref.)

[Percutaneous transluminal coronary angioplasty. The determination of its place and the outlook] Hamm CW, et al. **Dtsch Med Wochenschr** 1991 Jun 7;116(23):905–8 (20 ref.) **(Ger)**

UTILIZATION

The current status of coronary artery balloon angioplasty. Douglas JS Jr. **J Med Assoc Ga** 1990 Aug;79(8):637–9 (6 ref.)

ANGIOSARCOMA see **HEMANGIOSARCOMA**

ANGIOTENSIN see **ANGIOTENSIN II**

ANGIOTENSIN I

ANTAGONISTS & INHIBITORS

[Angiotensin I converting enzyme inhibitors in ischemic cardiopathy] Ribeiro C. **Rev Port Cardiol** 1991 Apr; 10(4):345–53 (78 ref.) **(Por)**

METABOLISM

Renal metabolism of angiotensin I and II. Erdös EG, et al. **Kidney Int Suppl** 1990 Nov;30:S24–7 (39 ref.)

ANGIOTENSIN II

Nonpeptide angiotensin II receptor antagonists. Timmermans PB, et al. **Am J Hypertens** 1990 Aug;3(8 Pt 1):599–604 (21 ref.)

ANTAGONISTS & INHIBITORS

In vitro pharmacology of DuP 753. Chiu AT, et al. **Am J Hypertens** 1991 Apr;4(4 Pt 2):282S–287S (18 ref.)

In vivo pharmacology of DuP 753. Wong PC, et al. **Am J Hypertens** 1991 Apr;4(4 Pt 2):288S–298S (39 ref.)

Various approaches to blockade of the renin-angiotensin system: persistent renin response. Brunner HR, et al. **J Hypertens Suppl** 1990 Dec;8(7):S149–53 (30 ref.)

BIOSYNTHESIS

Tissue renin-angiotensin system: sites of angiotensin formation. Campbell DJ. **J Cardiovasc Pharmacol** 1987;10 Suppl 7:S1–8 (88 ref.)

METABOLISM

Tissue angiotensin converting enzyme inhibition. Relevant to clinical practice? Lees KR, et al. **Am J Hypertens** 1990 Nov;3(11):266S–272S (71 ref.)

Nonpeptide angiotensin II receptor antagonists: a novel class of antihypertensive agents. Timmermans PB, et al. **Blood Vessels** 1990;27(2-5):295-300 (16 ref.)
Renal metabolism of angiotensin I and II. Erdös EG, et al. **Kidney Int Suppl** 1990 Nov;30:S24-7 (39 ref.)

PHARMACOLOGY

Synergistic intrarenal actions of angiotensin on tubular reabsorption and renal hemodynamics. Navar LG, et al. **Am J Hypertens** 1991 Jan;4(1 Pt 1):90-6 (24 ref.)
Steroidogenesis and ionic permeability in adrenal glomerulosa cells. Marusic ET, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):171-6 (20 ref.)
Renal hemodynamic and tubular effects of angiotensins II and III. Huang WC. **Chin J Physiol** 1991;34(1):121-38 (50 ref.)
Angiotensin, ACE inhibition, and the renal circulation: pathogenesis of nonmodulation in essential hypertension. Hollenberg NK, et al. **Contrib Nephrol** 1990;79:1-10 (44 ref.)
Arteriolar renin and vascular effects of angiotensin II in juxtamedullary nephrons. Casellas D, et al. **Kidney Int Suppl** 1990 Nov;30:S60-4 (21 ref.)
Interactive effects of angiotensin II on renal hemodynamics and tubular reabsorptive function. Mitchell KD, et al. **Kidney Int Suppl** 1990 Nov;30:S69-73 (33 ref.)

PHYSIOLOGY

Regulation of proximal tubule sodium reabsorption by angiotensin II (AII) and atrial natriuretic factor (ANF). Harris PJ, et al. **Acta Physiol Scand Suppl** 1990;591:63-5 (24 ref.)
Angiotensin and the regulation of cellular growth. Pathophysiologic implications for cardiovascular and noncardiovascular tissues. Re R. **Am J Hypertens** 1991 Mar; 4(3 Pt 2):217S-219S (23 ref.)
Anesthetic implications of the renin-angiotensin system and angiotensin-converting enzyme inhibitors. Mirenda JV, et al. **Anesth Analg** 1991 May;72(5):667-83 (153 ref.)
Role of angiotensin II in the processes leading to ovulation. Andrade-Gordon P, et al. **Biochem Pharmacol** 1991 Jul 25;42(4):715-9 (45 ref.)
Atrial natriuretic peptide (ANP) as a neuropeptide: interaction with angiotensin II on volume control and renal sodium handling. Unger T, et al. **Br J Clin Pharmacol** 1990; 30 Suppl 1:83S-88S (35 ref.)
The role of neuropeptides in cardiovascular regulation. Ganten D, et al. **Cardiovasc Drugs Ther** 1991 Feb; 5(1):119-30 (108 ref.)
Mode of action of angiotensin II and vasopressin on their target cells. Vallotton MB, et al. **Horm Res** 1990; 34(3-4):105-10 (63 ref.)
Vascular angiotensin pathways: a new therapeutic target. Dzau VJ. **J Cardiovasc Pharmacol** 1987;10 Suppl 7:S9-16 (60 ref.)
The angiotensin II receptor and the actions of angiotensin II. Peach MJ, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 4:S25-30 (31 ref.)
Angiotensin-[1-7]: evidence for novel actions in the brain. Schiavone MT, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 4:S19-24 (36 ref.)
Role of angiotensin in the renal vasoconstriction observed during the development of genetic hypertension. Arendshorst WJ, et al. **Kidney Int Suppl** 1990 Nov;30:S92-6 (34 ref.)
Adrenergic influences and interactions with angiotensin II. Blantz RC, et al. **Kidney Int Suppl** 1990 Nov;30:S84-6 (20 ref.)
Signaling mechanisms coupled to the angiotensin receptor of proximal tubular epithelium. Douglas JG, et al. **Kidney Int Suppl** 1990 Nov;30:S43-7 (37 ref.)
Intra-renal interactions between angiotensin II and atrial natriuretic factor. Harris PJ, et al. **Kidney Int Suppl** 1990 Nov;30:S87-91 (24 ref.)
Influences of angiotensin on renal function in renal vascular hypertension. Ploth DW. **Kidney Int Suppl** 1990 Nov; 30:S97-101 (27 ref.)
Influence of intrarenally generated angiotensin II on renal hemodynamics and tubular reabsorption. Mitchell KD, et al. **Renal Physiol Biochem** 1991 Jul-Oct;14(4-5):155-63 (38 ref.)
The role of angiotensin II in renal growth. Norman JT. **Renal Physiol Biochem** 1991 Jul-Oct;14(4-5):175-85 (92 ref.)
Role of ionic currents in the physiological response to angiotensin II. Palant CE, et al. **Renal Physiol Biochem** 1991 Jul-Oct;14(4-5):186-98 (64 ref.)
Angiotensin II actions in the rabbit proximal tubule. Angiotensin II mediated signaling mechanisms and electrolyte transport in the rabbit proximal tubule. Romero MF, et al. **Renal Physiol Biochem** 1991 Jul-Oct; 14(4-5):199-207 (34 ref.)
Angiotensin II and proximal tubule sodium transport. Yanagawa N. **Renal Physiol Biochem** 1991 Jul-Oct; 14(4-5):208-15 (29 ref.)
[Pathophysiology of cardiorenal regulatory mechanisms in heart failure] Holtz J, et al. **Z Kardiol** 1991;80 Suppl 2:1-10 (117 ref.) (Eng. Abstr.) **(Ger)**
[Atrial natriuretic peptide (ANP)--its action in the body as a hormone and neuropeptide] Czekalski S. **Acta Physiol Pol** 1989;40 Suppl 34:85-97 (71 ref.) **(Pol)**

ANGIOTENSIN III

PHARMACOLOGY

Renal hemodynamic and tubular effects of angiotensins II and III. Huang WC. **Chin J Physiol** 1991;34(1):121-38 (50 ref.)

ANGIOTENSIN BINDING SITES see **RECEPTORS, ANGIOTENSIN**

ANGIOTENSIN CONVERTING ENZYME see **KININASE II**

ANGIOTENSIN-CONVERTING ENZYME INHIBITORS

ACE inhibitors in the elderly. Posvar EL, et al. **Angiology** 1991 May;42(5):387-96 (16 ref.)
Angiotensin converting enzyme inhibitors: comparative structure, pharmacokinetics, and pharmacodynamics. Thind GS. **Cardiovasc Drugs Ther** 1990 Feb;4(1):199-206 (52 ref.)
Comparison of lisinopril and captopril in the treatment of left ventricular congestive heart failure--influence of duration of action on efficacy and safety. Giles TD. **Z Kardiol** 1991;80 Suppl 2:35-9 (15 ref.)

ADVERSE EFFECTS

Toxic effects of drugs used in the ICU. Nitroprusside, nitroglycerin, and angiotensin-converting enzyme inhibitors. Curry SC, et al. **Crit Care Clin** 1991 Jul; 7(3):555-81 (221 ref.)
Teratogenesis: alcohol, angiotensin-converting-enzyme inhibitors, and cocaine. Beckman DA, et al. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):236-45 (19 ref.)
ACE inhibitor-induced cough. Do TM, et al. **DICP** 1990 Nov;24(11):1059-60 (17 ref.)
Angiotensin-converting enzyme inhibitor-induced renal failure: causes, consequences, and diagnostic uses. Hricik DE, et al. **J Am Soc Nephrol** 1990 Dec;1(6):845-58 (112 ref.)
The safety and acceptability of perindopril. Brown CL. **J Hum Hypertens** 1990 Oct;4 Suppl 4:51-5; discussion 55-6 (15 ref.)
Fetal and neonatal effects of treatment with angiotensin-converting enzyme inhibitors in pregnancy. Hanssens M, et al. **Obstet Gynecol** 1991 Jul;78(1):128-35 (34 ref.)
Drug-induced renal toxicity. Help in recognizing offending agents. Farrugia E, et al. **Postgrad Med** 1991 Aug; 90(2):241-4, 247-8 (15 ref.)
ACE-inhibitors and quality of life. Herlitz H. **Scand J Prim Health Care Suppl** 1990;1:85-8 (15 ref.)
Angiotensin-converting enzyme inhibitors, an embryopathic class of drugs with unique properties: information for clinical teratology counselors. Brent RL, et al. **Teratology** 1991 Jun;43(6):543-6 (36 ref.)
[Side effects of vasodilator therapy in heart failure: risk of hypotension with ACE inhibitors] Kromer EP, et al. **Z Kardiol** 1991;80 Suppl 2:11-5 (36 ref.) (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

Rational design and biochemical utility of specific inhibitors of angiotensin-converting enzyme. Cushman DW, et al. **J Cardiovasc Pharmacol** 1987;10 Suppl 7:S17-30 (70 ref.)

CHEMISTRY

Physicochemical and enzyme binding kinetic properties of a new angiotensin-converting enzyme inhibitor ramipril and their clinical implications. Bender N, et al. **Clin Physiol Biochem** 1990;8 Suppl 1:44-52 (27 ref.)

DIAGNOSTIC USE

Interventions in renal scintigraphy. Fine EJ. **Semin Nucl Med** 1991 Apr;21(2):116-27 (57 ref.)

METABOLISM

Proteases and their inhibitors: today and tomorrow. Scharpe S, et al. **Biochimie** 1991 Jan;73(1):121-6 (40 ref.)

PHARMACOKINETICS

Effects of cardiovascular disease on pharmacokinetics. Rodighiero V. **Cardiovasc Drugs Ther** 1989 Oct;3(5):711-30 (168 ref.)
The pharmacokinetics of benazepril relative to other ACE inhibitors. Gengo FM, et al. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV44-50; discussion IV51-5 (25 ref.)
[Relations between pharmacokinetics and effectiveness of ACE inhibitors] Rettig R, et al. **Z Kardiol** 1991;80 Suppl 2:16-20 (25 ref.) (Eng. Abstr.) **(Ger)**

PHARMACOLOGY

Angiotensin converting enzyme inhibitors in cardiovascular and renal disease in Africans: a review. Ajayi AA. **Afr J Med Med Sci** 1991 Jun;20(2):123-34 (70 ref.)
Pharmacology of angiotensin-converting enzyme inhibitors as a guide to their use in congestive heart failure. Cody RJ. **Am J Cardiol** 1990 Oct 2;66(11):7D-11D; discussion 11D-13D (17 ref.)
Renal effects of angiotensin-converting enzyme inhibition in congestive heart failure. Gottlieb SS, et al. **Am J Cardiol** 1990 Oct 2;66(11):14D-20D; discussion 20D-21D (74 ref.)
Angiotensin converting enzyme inhibitors, regional vascular hemodynamics, and the development and prevention of experimental genetic hypertension. Harrap SB. **Am J Hypertens** 1991 Mar;4(3 Pt 2):212S-216S (14 ref.)
Characteristics of a new angiotensin converting enzyme inhibitor: delapril. Saruta T, et al. **Am J Hypertens** 1991 Jan;4(1 Pt 2):23S-28S (20 ref.)
From tissue angiotensin converting enzyme inhibition to antihypertensive effect. Veltmar A, et al. **Am J Hypertens** 1991 Mar;4(3 Pt 2):263S-269S (37 ref.)
Converting enzyme inhibitors: structural and hemodynamic effects on failing kidney. Stella A, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):81-4 (32 ref.)
Tissue and plasma angiotensin converting enzyme and the response to ACE inhibitor drugs. MacFadyen RJ, et al. **Br J Clin Pharmacol** 1991 Jan;31(1):1-13 (191 ref.)
Influence of ACE inhibitors on free radicals and reperfusion injury: pharmacological curiosity or therapeutic hope? McMurray J, et al. **Br J Clin Pharmacol** 1991 Apr; 31(4):373-9 (40 ref.)
Angiotensin I converting enzyme inhibitors and the renal excretion of urate. Leary WP, et al. **Cardiovasc Drugs Ther** 1987;1(1):29-38 (41 ref.)
The role of prostaglandins in mediating the effects of angiotensin converting enzyme inhibitors and other antihypertensive drugs. Swartz SL. **Cardiovasc Drugs Ther** 1987;1(1):39-43 (22 ref.)
Kinin-related effects of angiotensin-converting enzyme inhibition. Bönner G. **Clin Physiol Biochem** 1990;8 Suppl 1:6-15 (46 ref.)
Cardioprotective effects of ACE inhibitors: experimental proof and clinical perspectives. Schölkens BA, et al. **Clin Physiol Biochem** 1990;8 Suppl 1:33-43 (31 ref.)
Angiotensin, ACE inhibition, and the renal circulation: pathogenesis of nonmodulation in essential hypertension. Hollenberg NK, et al. **Contrib Nephrol** 1990;79:1-10 (44 ref.)
Cilazapril. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in cardiovascular disease. Deget F, et al. **Drugs** 1991 May; 41(5):799-820 (115 ref.)
Clinical pharmacology of cilazapril. Kleinbloesem CH, et al. **Drugs** 1991;41 Suppl 1:3-10 (23 ref.)
Newer ACE inhibitors. A look at the future. Salvetti A. **Drugs** 1990 Dec;40(6):800-28 (205 ref.)
Cilazapril. A review. Szucs T. **Drugs** 1991;41 Suppl 1:18-24 (16 ref.)
Quinapril. A review of its pharmacological properties, and therapeutic efficacy in cardiovascular disorders. Wadworth AN, et al. **Drugs** 1991 Mar;41(3):378-99 (77 ref.)
Kinetic properties of the angiotensin converting enzyme inhibitor ramiprilat. Bünning P. **J Cardiovasc Pharmacol** 1987;10 Suppl 7:S31-5 (18 ref.)
Detrimental and beneficial effects of converting enzyme inhibitors on the kidney. Ritz E, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 4:S70-5 (60 ref.)
ACE inhibitors and the heart: hypertrophy reversal and antiarrhythmic effects. Jones JV, et al. **J Hum Hypertens** 1990 Oct;4 Suppl 4:23-6; discussion 26-7 (27 ref.)
Clinical pharmacology of perindopril. Lees KR. **J Hum Hypertens** 1990 Oct;4 Suppl 4:7-8; discussion 9-11 (11 ref.)
ACE inhibitors and cerebral blood flow. Paulson OB, et al. **J Hum Hypertens** 1990 Oct;4 Suppl 4:69-72; discussion 72-3 (28 ref.)
ACE inhibition and the kidney: diagnostic and therapeutic implications. Raine AE. **J Hum Hypertens** 1990 Oct;4 Suppl 4:57-61; discussion 61-2 (30 ref.)
[Renal effects of angiotensin-converting enzyme inhibitors: from the feared side effect to the desired treatment goal] de Jong PE, et al. **Dtsch Med Wochenschr** 1991 May 10; 116(19):743-6 (32 ref.) **(Ger)**
[ACE inhibition: mechanisms of cardioprotection in chronic experimental heart failure] Riegger AJ. **Klin Wochenschr** 1991;69 Suppl 24:20-3 (7 ref.) (Eng. Abstr.) **(Ger)**
[Renal effects of conversion enzyme inhibitors] Ritz E, et al. **Klin Wochenschr** 1991;69 Suppl 24:50-7; discussion 57-8 (62 ref.) (Eng. Abstr.) **(Ger)**
[Inhibition of angiotensin converting enzyme: a decade's experience] Martínez Amenós A. **Med Clin (Barc)** 1990 Jun 23;95(4):143-6 (26 ref.) **(Spa)**
[ACE inhibitors' effect on kidney function] Grönhagen-Riska C. **Nord Med** 1990;105(8-9):219-22 (24 ref.) (Eng. Abstr.) **(Swe)**

THERAPEUTIC USE

Left ventricular remodeling after acute myocardial infarction: clinical course and beneficial effects of angiotensin-converting enzyme inhibition. Lamas GA, et al. **Am Heart J** 1991 Apr;121(4 (Pt 1)):1194-202 (53 ref.)
Mechanisms in heart failure and the role of angiotensin-converting enzyme inhibition. Cohn JN. **Am J Cardiol** 1990 Oct 2;66(11):2D-6D (38 ref.)
Angiotensin converting enzyme inhibitors and quality of life.

Breckenridge A. **Am J Hypertens** 1991 Jan;4(1 Pt 2):79S–82S (10 ref.)
New angiotensin converting enzyme inhibitors. Their role in the management of hypertension. Laragh JH. **Am J Hypertens** 1990 Nov;3(11):257S–265S (34 ref.)
Tissue angiotensin converting enzyme inhibition. Relevant to clinical practice? Lees KR, et al. **Am J Hypertens** 1990 Nov;3(11):266S–272S (71 ref.)
Converting enzyme inhibitors and renal function in essential and renovascular hypertension. Mimran A, et al. **Am J Hypertens** 1991 Jan;4(1 Pt 2):7S–14S (31 ref.)
Quinapril in chronic heart failure. Northridge DB, et al. **Am J Hypertens** 1990 Nov;3(11):283S–287S (35 ref.)
The use of angiotensin converting enzyme inhibitors in combination with other antihypertensive agents. Pickering TG. **Am J Hypertens** 1991 Jan;4(1 Pt 2):73S–78S (46 ref.)
Use of quinapril in the elderly patient. Schnaper HW. **Am J Hypertens** 1990 Nov;3(11):278S–282S (11 ref.)
Renal protective effects of angiotensin converting enzyme inhibitors. Weder AB. **Am J Hypertens** 1990 Nov; 3(11):273S–277S (29 ref.)
Angiotensin-I converting enzyme inhibition: clinical effects in chronic renal disease. de Jong PE, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):85–8 (37 ref.)
Calcium channel blockers versus angiotensin–converting enzyme inhibitors: renal effects. Linas S. **Am J Kidney Dis** 1990 Oct;16(4 Suppl 1):15–9 (27 ref.)
Focus on proteinuria. Glassock RJ. **Am J Nephrol** 1990;10 Suppl 1:88–93 (37 ref.)
Anesthetic implications of the renin–angiotensin system and angiotensin–converting enzyme inhibitors. Mirenda JV, et al. **Anesth Analg** 1991 May;72(5):667–83 (153 ref.)
Importance of RAA system and the treatment of patients with ACE inhibition after myocardial infarction. Ray SG, et al. **Angiology** 1991 Apr;42(4):268–72 (29 ref.)
Angiotensin inhibitors and other vasodilators with special reference to congestive heart failure. Chatterjee K, et al. **Cardiovasc Drugs Ther** 1987;1(1):1–8 (31 ref.)
Angiotensin converting enzyme inhibition and vascular hypertrophy in hypertension. Gibbons GH, et al. **Cardiovasc Drugs Ther** 1990 Feb;4(1):237–42 (45 ref.)
ACE inhibitors for the treatment of myocardial ischemia? Linder C, et al. **Cardiovasc Drugs Ther** 1990 Oct; 4(5):1375–84 (100 ref.)
Preclinical studies on angiotensin converting enzyme inhibitors. Natoff IL. **Cardiovasc Drugs Ther** 1987; 1(1):15–27 (135 ref.)
ACE inhibitors compared with thiazide diuretics as first-step antihypertensive therapy. Perry IJ, et al. **Cardiovasc Drugs Ther** 1989 Dec;3(6):815–9 (26 ref.)
Acute and chronic effects of angiotensin converting enzyme inhibitors on the essential hypertensive kidney. Reams GP, et al. **Cardiovasc Drugs Ther** 1990 Feb;4(1):207–19 (200 ref.)
Vasodilator therapy without converting-enzyme inhibition in congestive heart failure—usefulness and limitations. Remme WJ. **Cardiovasc Drugs Ther** 1989 Jun;3(3):375–96 (217 ref.)
The use of angiotensin–converting enzyme inhibitors in congestive heart failure. Rouleau JL, et al. **Cardiovasc Drugs Ther** 1989 Dec;3(6):883–90 (74 ref.)
Cardiac effects of angiotensin converting enzyme inhibitors. Sharpe N. **Cardiovasc Drugs Ther** 1990 Feb;4(1):243–5 (41 ref.)
ACE inhibitors in renovascular hypertension. Textor SC. **Cardiovasc Drugs Ther** 1990 Feb;4(1):229–35 (45 ref.)
Angiotensin converting enzyme inhibitors in the treatment of hypertension: efficacy, metabolic effects and side effects. Weinberger MH. **Cardiovasc Drugs Ther** 1987;1(1):9–13 (24 ref.)
Use of angiotensin–converting enzyme inhibitors in chronic progressive renal disease. Brouhard BH, et al. **Cleve Clin J Med** 1991 Mar–Apr;58(2):184–90 (43 ref.)
ACE inhibitors in renal disease. Bauer JH, et al. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV38–43; discussion IV51–5 (100 ref.)
Comparison of benazepril and other antihypertensive agents alone and in combination with the diuretic hydrochlorothiazide. DeQuattro V. **Clin Cardiol** 1991 Aug; 14(8 Suppl 4):IV28–32; discussion IV51–5 (9 ref.)
Hypertensive mechanisms and converting enzyme inhibitors. Ferrario CM, et al. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV56–62; discussion IV83–90 (55 ref.)
Cardioprotective potential of angiotensin–converting enzyme inhibitors. Gavras I, et al. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV68–71; discussion IV83–90 (33 ref.)
Angiotensin–converting enzyme inhibition, cell growth, and left ventricular hypertrophy in hypertension. Giles TD. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV63–7; discussion IV83–90 (53 ref.)
Dose–response studies with benazepril in mild to moderate hypertension. Gomez HJ. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV22–7; discussion IV51–5 (16 ref.)
Safety profile of benazepril in essential hypertension. MacNab M, et al. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV33–7; discussion IV51–5 (9 ref.)
The use of benazepril in hypertensive patients age 55 and over. Smith WM, et al. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV79–82; discussion IV83–90 (10 ref.)
Use of angiotensin–converting–enzyme inhibitors in the management of renal disease. Asher JP, et al. **Clin Pharm** 1991 Jan;10(1):25–31 (36 ref.)
Angiotensin–converting enzyme inhibition in renal and hypertensive disorders. Götz R, et al. **Clin Physiol Biochem** 1990;8 Suppl 1:25–32 (50 ref.)
Angiotensin–converting enzyme inhibition in patients with essential hypertension. Kramer HJ, et al. **Clin Physiol Biochem** 1990;8 Suppl 1:16–24 (22 ref.)
Factors determining the response to angiotensin–converting enzyme inhibitors in hypertension. Reid JL, et al. **Clin Physiol Biochem** 1990;8 Suppl 1:1–5 (15 ref.)
Prognostic impact of ACE inhibition in systemic lupus erythematosus, diabetes mellitus and chronic glomerulonephritis. Aurell M, et al. **Contrib Nephrol** 1990; 81:248–54 (17 ref.)
Angiotensin–converting enzyme inhibitors: therapeutic implications in the management of chronic renal failure. el Nahas AM. **Contrib Nephrol** 1990;81:240–7 (43 ref.)
Quinapril: a new second-generation ACE inhibitor. Cetnarowski-Cropp AB. **DICP** 1991 May;25(5):499–504 (49 ref.)
Angiotensin converting enzyme inhibitors and moderate hypertension. McAreavey D, et al. **Drugs** 1990 Sep; 40(3):326–45 (208 ref.)
Role of angiotensin–converting enzyme inhibitors in congestive heart failure. Galvao M. **Heart Lung** 1990 Sep; 19(5 Pt 1):505–11 (32 ref.)
Angiotensin converting enzyme inhibitors. Present and future. Frohlich ED. **Hypertension** 1989 May;13(5 Suppl):I125–30 (54 ref.)
Treatment of hypertension with ACE inhibitors as first step: pharmacologic and clinical considerations. Brunner HR, et al. **J Cardiovasc Pharmacol** 1987;10 Suppl 7:S36–42 (56 ref.)
Converting–enzyme inhibition in the management of severe chronic congestive heart failure: physiologic concepts. Packer M. **J Cardiovasc Pharmacol** 1987;10 Suppl 7:S83–7 (45 ref.)
Converting enzyme inhibitors in the treatment of hypertension. Robertson JI, et al. **J Cardiovasc Pharmacol** 1987;10 Suppl 7:S43–8 (27 ref.)
Treatment of hypertensive heart disease with ACE inhibitors. Stumpe KO. **J Cardiovasc Pharmacol** 1987;10 Suppl 6:S166–71 (42 ref.)
Diabetes and ACE inhibitors. Boulton AJ, et al. **J Hum Hypertens** 1990 Oct;4 Suppl 4:63–6; discussion 66–7 (24 ref.)
The measurement of quality of life in evaluating ACE inhibitors. Fletcher AE, et al. **J Hum Hypertens** 1990 Oct; 4 Suppl 4:45–9; discussion 49–50 (31 ref.)
Do angiotensin–converting enzyme inhibitors work in black hypertensives? A review. Parag KB, et al. **J Hum Hypertens** 1990 Aug;4(4):450–2 (14 ref.)
The role of ACE inhibitors in the management of hypertension. Ramsay LE, et al. **J Hum Hypertens** 1990 Oct;4 Suppl 4:1–4; discussion 4–5 (28 ref.)
Cardioprotective potential of angiotensin converting enzyme inhibitors [editorial] [see comments] Gavras H, et al. **J Hypertens** 1991 May;9(5):385–92 (107 ref.) Comment in: J Hypertens 1991 May;9(5):393–7.
Unique cardioprotective potential of angiotensin converting enzyme inhibitors: a hypothesis still to be tested on humans [comment] McMurray J, et al. **J Hypertens** 1991 May; 9(5):393–7 (47 ref.) Comment on: J Hypertens 1991 May;9(5):385–92.
Various approaches to blockade of the renin–angiotensin system: persistent renin response. Brunner HR, et al. **J Hypertens Suppl** 1990 Dec;8(7):S149–53 (30 ref.)
Metabolic effects of ACE inhibitors. Berne C. **J Intern Med Suppl** 1991;735:119–25 (48 ref.)
Prevention of stenosis after vascular reconstruction: pharmacologic control of intimal hyperplasia—a review. Clowes AW, et al. **J Vasc Surg** 1991 Jun;13(6):885–91 (59 ref.)
Angiotensin converting enzyme inhibitors and progression of chronic renal failure. Tolins JP, et al. **Kidney Int Suppl** 1990 Nov;30:S118–22 (59 ref.)
ACE inhibitors in myocardial ischaemia. Ayres RW, et al. **Med J Aust** 1991 Feb 4;154(3):159–60 (24 ref.)
Effects of different converting–enzyme inhibitors on the course of non–diabetic glomerulopathies. Bernheim J. **Nephrol Dial Transplant** 1990;5(10):837–40 (49 ref.)
Cardiovascular drugs in children. II. Angiotensin–converting enzyme inhibitors in pediatric patients. Schneeweiss A. **Pediatr Cardiol** 1990 Oct;11(4):199–207 (53 ref.)
ACE–inhibitors and quality of life. Herlitz H. **Scand J Prim Health Care** 1990;Suppl 1:85–8 (15 ref.)
[Conversion enzyme inhibitors in the treatment of elderly hypertension patients] Amery A. **Verh K Acad Geneeskd Belg** 1991;53(2):163–85; discussion 185–6 (56 ref.) (Eng. Abstr.) **(Dut)**
[Converting enzyme inhibitors in arterial hypertension] Mimran A. **Ann Cardiol Angeiol (Paris)** 1991 Jun; 40(6):351–7 (18 ref.) **(Fre)**
[Diabetes mellitus and hypertension: calcium antagonists or ACE inhibitors?] Jungmann E. **Dtsch Med Wochenschr** 1991 May 31;116(22):859–62 (15 ref.) **(Ger)**
[Clinical applications of ACE inhibitors] Greminger P, et al. **Internist (Berl)** 1991 Mar;32(3):139–43 (39 ref.) **(Ger)**
[ACE inhibition in heart failure and compromised kidney function] Drexler H. **Klin Wochenschr** 1991;69 Suppl 24:59–64 (13 ref.) (Eng. Abstr.) **(Ger)**
[Possibilities of ACE inhibitor therapy in acute myocardial ischemia] Ertl G, et al. **Klin Wochenschr** 1991;69 Suppl 24:10–7; discussion 18–9 (46 ref.) (Eng. Abstr.) **(Ger)**
[Changes in renal function in heart failure and their modification by conversion enzyme inhibitors] Heidland A, et al. **Klin Wochenschr** 1991;69 Suppl 24:65–72; discussion 72–4 (68 ref.) (Eng. Abstr.) **(Ger)**
[ACE inhibition: mechanisms of cardioprotection in heart hypertrophy] Motz W, et al. **Klin Wochenschr** 1991;69 Suppl 24:39–43; discussion 43–4 (37 ref.) (Eng. Abstr.) **(Ger)**
[Treatment of hypertension using angiotensin–converting enzyme inhibitors] Omvik P. **Nord Med** 1990; 105(8–9):214–6, 222 (30 ref.) (Eng. Abstr.) **(Nor)**
[Treatment of heart failure with angiotensin converting enzyme inhibitors] Svarstad E, et al. **Tidsskr Nor Laegeforen** 1990 Sep 20;110(22):2896–9 (35 ref.) (Eng. Abstr.) **(Nor)**
[The use of lisinopril for congestive heart failure] Amodeo C. **Arq Bras Cardiol** 1990 Aug;55 Suppl A:A14–7 (5 ref.) **(Por)**
[Clinical use of the converting enzyme inhibitors] Spritzer N. **Arq Bras Cardiol** 1990 Aug;55 Suppl A:A11–3 (9 ref.) **(Por)**
[Angiotensin–converting enzyme inhibitors in the diagnosis and treatment of kidney diseases] Dzúrik R, et al. **Vnitr Lek** 1991 Jun;37(6):612–9 (43 ref.) (Eng. Abstr.) **(Slo)**

ANGIOTENSIN-FORMING ENZYME see **RENIN**

ANGIOTENSIN RECEPTORS see **RECEPTORS, ANGIOTENSIN**

ANGIOTENSINOGEN

GENETICS

Molecular biology of angiotensinogen. Lynch KR, et al. **Hypertension** 1991 Mar;17(3):263–9 (83 ref.)
Molecular biology of the angiotensinogen and kininogen genes. Kitamura N, et al. **J Cardiovasc Pharmacol** 1987;10 Suppl 7:S49–53 (25 ref.)
Transcriptional regulation of hepatic angiotensinogen gene expression by the acute–phase response. Ron D, et al. **Mol Cell Endocrinol** 1990 Dec 21;74(3):C97–104 (34 ref.)
[Studies by molecular and developmental biotechnology of biologically active peptides involved in blood pressure control and neurotransmission] Nakanishi S. **Jikken Dobutsu** 1991 Jan;40(1):1–6 (19 ref.) **(Jpn)**
[Expression of the renin and angiotensinogen genes] Iwao H, et al. **Nippon Yakurigaku Zasshi** 1991 Jan;97(1):1–11 (72 ref.) (Eng. Abstr.) **(Jpn)**

METABOLISM

Intrarenal angiotensinogen: localization and regulation. Ingelfinger JR, et al. **Pediatr Nephrol** 1990 Jul;4(4):424–8 (56 ref.)

ANGIOTENSINOGENASE see **RENIN**

ANGLE CLASS I see **MALOCCLUSION, ANGLE CLASS I**

ANGLE CLASS II see **MALOCCLUSION, ANGLE CLASS II**

ANGLE CLASS III see **MALOCCLUSION, ANGLE CLASS III**

ANGOR PECTORIS see **ANGINA PECTORIS**

ANGUILLA

The eel (Anguilla sp) and organic chemical pollutants. Brusle J. **Sci Total Environ** 1991 Feb;102:1–19 (72 ref.)

ANGUILLULIASIS see **STRONGYLOIDIASIS**

ANHIDROTIC ECTODERMAL DYSPLASIA see **ECTODERMAL DYSPLASIA**

ANHYDRIDES

PHARMACOLOGY

Dicarboxylic acid anhydrides as dissociating agents of protein–containing structures. Palacián E, et al. **Mol Cell Biochem** 1990 Sep 21;97(2):101–11 (71 ref.)

ANILIDES

ADVERSE EFFECTS

Encainide—an updated safety profile. Thomis JA. **Cardiovasc Drugs Ther** 1990 Jun;4 Suppl 3:585–94 (19 ref.)

PHARMACOKINETICS

Pharmacokinetics and metabolism of encainide. Jaillon P. **Cardiovasc Drugs Ther** 1990 Jun;4 Suppl 3:561–5 (10 ref.)

PHARMACOLOGY

Encainide. Antonaccio MJ, et al. **Cardiovasc Drugs Ther** 1989 Oct;3(5):691–710 (83 ref.)

In-vitro and in-vivo electrophysiologic effects of encainide. Libersa C, et al. **Cardiovasc Drugs Ther** 1990 Jun;4 Suppl 3:567-72 (6 ref.)
Casodex: preclinical studies. Furr BJ. **Eur Urol** 1990;18 Suppl 3:2-9 (30 ref.)

THERAPEUTIC USE

Ventricular arrhythmias: risk stratification and approach to therapy after the Cardiac Arrhythmia Suppression Trial (CAST). Prystowsky EN, et al. **PACE** 1990 Nov;13(11 Pt 2):1480-7 (39 ref.)
Use of the nonsteroidal anti-androgen Casodex in advanced prostatic carcinoma. Kennealey GT, et al. **Urol Clin North Am** 1991 Feb;18(1):99-110 (43 ref.)

ANILINE COMPOUNDS

DIAGNOSTIC USE

Flow cytometric measurement of intracellular ionized calcium in single cells with indo-1 and fluo-3. June CH, et al. **Methods Cell Biol** 1990;33:37-58 (55 ref.)

PHARMACOLOGY

Phenylalkylamine stimulants, hallucinogens, and designer drugs. Glennon RA. **NIDA Res Monogr** 1991;105:154-60 (9 ref.)

ANILINE HYDROXYLASE

METABOLISM

[Structure and effects of benzodiazepines on hepatic microsomal monooxygenases in rats exposed to environmental temperature] Pachecka J, et al. **Folia Med Cracov** 1990;31(3):217-24 (8 ref.) (Eng. Abstr.) **(Pol)**

ANIMAL CARE COMMITTEES see **ANIMAL WELFARE**

ANIMAL DISEASES

CHEMICALLY INDUCED

Diagnostic and clinically important aspects of cyanobacterial (blue-green algae) toxicoses. Beasley VR, et al. **J Vet Diagn Invest** 1989 Oct;1(4):359-65 (43 ref.)

DIAGNOSIS

Technical considerations for developing enzyme immunohistochemical staining procedures on formalin-fixed paraffin-embedded tissues for diagnostic pathology. Haines DM, et al. **J Vet Diagn Invest** 1991 Jan; 3(1):101-12 (38 ref.)

THERAPY

Bats in the surgery: a practitioner's guide. Routh A. **Vet Rec** 1991 Apr 6;128(14):316-8 (15 ref.)

ANIMAL FEED

Damages to feed proteins and their nutritional consequences: a review. Hegedüs M. **Acta Vet Hung** 1990;38(3):125-41 (41 ref.)
The estimation of nutritive value of dairy cattle feed. Cottyn BG, et al. **Arch Tierernahr** 1990 Oct;40(10):969-80 (25 ref.)
Forage digestibility and carbon-13 solid state NMR. Cyr N, et al. **Basic Life Sci** 1990;56:287-302 (18 ref.)
Fish meal as a protein supplement in ruminant diets: a review. Hussein HS, et al. **J Anim Sci** 1991 May;69(5):2147-56 (75 ref.)
Effects of feeds on flavor of red meat: a review. Melton SL. **J Anim Sci** 1990 Dec;68(12):4421-35 (83 ref.)
A sensory perspective of effect of feeds on flavor in meats: poultry meats. Poste LM. **J Anim Sci** 1990 Dec; 68(12):4414-20 (28 ref.)
Sensory and experiential factors in the design of foods for domestic dogs and cats. Bradshaw JW. **Proc Nutr Soc** 1991 Mar;50(1):99-106 (48 ref.)
New approaches to nutritional monitoring. Galligan DT, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul; 7(2):473-82 (16 ref.)
Replacement nutrition management. Heinrichs AJ. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):585-97 (48 ref.)
Feed additives. Hutjens MF. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):525-40 (55 ref.)
Preruminant calf nutrition. Tomkins T, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):557-76 (67 ref.)
Ration formulation using linear programming. VandeHaar MJ, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul; 7(2):541-56 (3 ref.)
Perspectives on human health concerns arising from natural toxicants in feeds and poisonous plants. Cheeke PR. **Vet Hum Toxicol** 1990;32 Suppl:71-5 (27 ref.)
[Negative effects of anti-nutritional factors from soybeans in Salmonidae] van den Ingh TS, et al. **Tijdschr Diergeneeskd** 1990 Oct 15;115(20):935-8 (13 ref.) (Eng. Abstr.) **(Dut)**
[Food reserves from the sea] Feldheim W. **Bibl Nutr Dieta** 1990;(46):1-9 (12 ref.) **(Ger)**
[Regulation of the intestinal flora by food] Gedek BR. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2-3):277-301 (72 ref.) (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Nutritional and dietary interrelationships with diseases of feedlot cattle. Johnson B. **Vet Clin North Am Food Anim Pract** 1991 Mar;7(1):133-42 (35 ref.)

STANDARDS

Evaluation of the energy value of rabbit feeds: a critical review. Maertens L, et al. **Acta Vet Hung** 1990;38(3):153-63 (71 ref.)
Bovine spongiform encephalopathy. Matthews D. **J R Soc Health** 1991 Feb;111(1):3-5 (7 ref.)
Forage quality analyses and interpretation. Linn JG, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):509-23 (17 ref.)
Byproduct feeds. Feed analysis and interpretation. Schingoethe DJ. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):577-84 (6 ref.)

ANIMAL-HUMAN BONDING see **BONDING, HUMAN-PET**

ANIMAL HUSBANDRY

see related
VETERINARY MEDICINE

Management of the dairy herd treated with bovine somatotropin. Crooker BA, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):417-37 (82 ref.)
Replacement nutrition management. Heinrichs AJ. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):585-97 (48 ref.)
The role of private practitioners in accelerated lambing. Matthews D. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):585-95 (20 ref.)
Grazing management as it affects nutrition, animal production and economics of beef production. Parsons SD, et al. **Vet Clin North Am Food Anim Pract** 1991 Mar;7(1):77-94 (17 ref.)
Nutrition and the development of replacement heifers. Rice LE. **Vet Clin North Am Food Anim Pract** 1991 Mar; 7(1):27-39 (59 ref.)
Grouping management and physical facilities. Sniffen CJ. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):465-71 (8 ref.)
Nutritional and managerial considerations for range beef cattle production. Turner HA, et al. **Vet Clin North Am Food Anim Pract** 1991 Mar;7(1):95-125 (39 ref.)
Routine sheep and goat procedures. Williams CS. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):737-58 (16 ref.)
Environmental factors affecting the severity of pneumonia in pigs. Done SH. **Vet Rec** 1991 Jun 22;128(25):582-6 (59 ref.)

METHODS

Rationale for using immunopotentiators in domestic food animals. Blecha F, et al. **Adv Vet Sci Comp Med** 1990; 35:3-19 (93 ref.)
Summing-up of strategies for tick-borne disease control in Africa, especially east Africa. Lawrence JA. **Parassitologia** 1990 Apr;32(1):113-5 (0 ref.)
In vitro fertilization in cattle: a review. Greve T, et al. **Reprod Nutr Dev** 1991;31(2):147-57 (116 ref.)

STANDARDS

Clinical review 21: The efficacy and safety of growth hormone for animal agriculture. Etherton TD. **J Clin Endocrinol Metab** 1991 May;72(5):957A-957C (11 ref.)
Veterinary sources of foodborne illness. Johnston AM. **Lancet** 1990 Oct 6;336(8719):856-8 (15 ref.)

TRENDS

Animal production industry in the year 2000 A.D. Massey JM. **J Reprod Fertil Suppl** 1990;41:199-208 (38 ref.)

ANIMAL NUTRITION

Spinal nerve root compression. Nutrition and function of the porcine cauda equina compressed in vivo. Olmarker K. **Acta Orthop Scand Suppl** 1991;242:1-27 (91 ref.)
Damages to feed proteins and their nutritional consequences: a review. Hegedüs M. **Acta Vet Hung** 1990;38(3):125-41 (41 ref.)
Nutritional modulation of immunity in domestic food animals. Reddy PG, et al. **Adv Vet Sci Comp Med** 1990;35:255-81 (144 ref.)
Comparative nutrition of cats and dogs. Baker DH. **Annu Rev Nutr** 1991;11:239-63 (175 ref.)
The interactions between copper, molybdenum, and sulphur in ruminant nutrition. Suttle NF. **Annu Rev Nutr** 1991; 11:121-40 (81 ref.)
Probiotics in animal nutrition: a review. Vanbelle M, et al. **Arch Tierernahr** 1990 Jul;40(7):543-67 (322 ref.)
Recent advances in rumen microbial ecology and metabolism: potential impact on nutrient output. Mackie RI, et al. **J Dairy Sci** 1990 Oct;73(10):2971-95 (235 ref.)
Biotin in animal nutrition. **Nutr Rev** 1990 Sep;48(9):352-5 (11 ref.)
Mechanisms of diet selection: the translation of needs into behaviour. Rogers PJ, et al. **Proc Nutr Soc** 1991 Mar; 50(1):65-70 (32 ref.)
Diet selection of pigs and poultry. Rose SP, et al. **Proc Nutr Soc** 1991 Mar;50(1):87-98 (39 ref.)
Nutritional modulation of murine models of autoimmunity. Keen CL, et al. **Rheum Dis Clin North Am** 1991 May; 17(2):223-34 (71 ref.)
Nutritional influences on immunity. Burkholder WJ, et al. **Semin Vet Med Surg (Small Anim)** 1990 Aug;5(3):154-66 (130 ref.)
The role of nutrition in the management of dermatoses. Codner EC, et al. **Semin Vet Med Surg (Small Anim)** 1990 Aug;5(3):167-77 (42 ref.)
Dietary principles in disease management. Moser E. **Semin Vet Med Surg (Small Anim)** 1990 Aug;5(3):145-53 (33 ref.)
Nutritional support in the surgical patient. Remillard RL, et al. **Semin Vet Med Surg (Small Anim)** 1990 Aug; 5(3):197-207 (43 ref.)
Why is the nutrition of cats different from that of dogs? Morris JG, et al. **Tijdschr Diergeneeskd** 1991 Apr;116 Suppl 1:64S-67S (0 ref.)
Carbohydrate nutrition. Allen MS. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):327-40 (38 ref.)
Mineral and water nutrition. Beede DK. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):373-90 (60 ref.)
Some nutritional and genetic considerations in the performance testing of beef bulls. Cates WF. **Vet Clin North Am Food Anim Pract** 1991 Mar;7(1):59-76 (23 ref.)
Protein and amino acid nutrition of lactating dairy cattle. Chalupa W, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):353-72 (50 ref.)
Clinical nutrition of sheep and goats. Donoghue S, et al. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):563-76 (48 ref.)
Lipid nutrition. Emery RS, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):341-52 (65 ref.)
Nutrition and reproduction in dairy cows. Ferguson JD. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):483-507 (70 ref.)
New approaches to nutritional monitoring. Galligan DT, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul; 7(2):473-82 (16 ref.)
Implementation of nutritional consultation within a dairy practice. Gerloff BJ. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):621-8 (3 ref.)
Replacement nutrition management. Heinrichs AJ. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):585-97 (48 ref.)
Fat-soluble vitamin nutrition for dairy cattle. Herdt TH, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul; 7(2):391-415 (203 ref.)
Grazing management as it affects nutrition, animal production and economics of beef production. Parsons SD, et al. **Vet Clin North Am Food Anim Pract** 1991 Mar;7(1):77-94 (17 ref.)
Nutrition and the development of replacement heifers. Rice LE. **Vet Clin North Am Food Anim Pract** 1991 Mar; 7(1):27-39 (59 ref.)
The effects of nutrition on reproductive performance of beef cattle. Rice LE. **Vet Clin North Am Food Anim Pract** 1991 Mar;7(1):1-26 (41 ref.)
Byproduct feeds. Feed analysis and interpretation. Schingoethe DJ. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):577-84 (6 ref.)
Preruminant calf nutrition. Tomkins T, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):557-76 (67 ref.)
Nutritional and managerial considerations for range beef cattle production. Turner HA, et al. **Vet Clin North Am Food Anim Pract** 1991 Mar;7(1):95-125 (39 ref.)
Ration formulation using linear programming. VandeHaar MJ, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul; 7(2):541-56 (3 ref.)
Dry cow nutrition. The key to improving fresh cow performance. Van Saun RJ. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):599-620 (117 ref.)
Nutritional and dietary interrelationships with diseases of grazing beef cattle. Wikse SE, et al. **Vet Clin North Am Food Anim Pract** 1991 Mar;7(1):143-52 (29 ref.)
[Skeletal development in the dog in relation to nutrition] Nap RC, et al. **Tijdschr Diergeneeskd** 1991 Jun 15;116(12):609-27 (29 ref.) (Eng. Abstr.) **(Dut)**
[The role of nutrition in cytoprotection] Segal B, et al. **Rev Med Chir Soc Med Nat Iasi** 1990 Jan-Mar;94(1):51-6

(22 ref.) **(Rum)**

ANIMAL RIGHTS see **ANIMAL WELFARE**

ANIMAL TESTING ALTERNATIVES

Human epidermis reconstructed on dermal substrates in vitro: an alternative to animals in skin pharmacology. Régnier M, et al. **Skin Pharmacol** 1990;3(2):70–85 (40 ref.)

ANIMAL VIRUSES see **VERTEBRATE VIRUSES**

ANIMAL VOCALIZATION see **VOCALIZATION, ANIMAL**

ANIMAL WELFARE

see related
ANIMAL TESTING ALTERNATIVES

Animal behavior and animal welfare. Houpt KA. **J Am Vet Med Assoc** 1991 Apr 15;198(8):1355–60 (28 ref.)

Animal rights 201. Trull FL, et al. **J Invest Surg** 1990; 3(3):193–6 (4 ref.)

Psychologic well-being: conceptual issues, behavioral measures, and implications for dogs. Hetts S. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):369–87 (79 ref.)

[Animal welfare aspects of animal breeding] Wegner W. **DTW Dtsch Tierarztl Wochenschr** 1991 Jan;98(1):6–9 (18 ref.) **(Ger)**

LEGISLATION & JURISPRUDENCE

Animal control laws and enforcement. Arkow P. **J Am Vet Med Assoc** 1991 Apr 1;198(7):1164–72 (76 ref.)

[Provisions for returning rehabilitated wild bird patients to the wild state] Jakoby JR, et al. **Tierarztl Prax** 1990 Oct; 18(5):503–5 (6 ref.) (Eng. Abstr.) **(Ger)**

ANIMALS

METABOLISM

Chemical speciation and bioavailability of elements in the environment and their relevance to radioecology. Desmet GM, et al. **Sci Total Environ** 1991 Mar;100 Spec No:105–24 (47 ref.)

ANIMALS, DOMESTIC

Rationale for using immunopotentiators in domestic food animals. Blecha F, et al. **Adv Vet Sci Comp Med** 1990; 35:3–19 (93 ref.)

Model systems to study immunomodulation in domestic food animals. Roth JA, et al. **Adv Vet Sci Comp Med** 1990; 35:21–41 (95 ref.)

Benign and malignant melanocytic neoplasms of domestic animals. Goldschmidt MH. **Am J Dermatopathol** 1985;7 Suppl:203–12 (36 ref.)

Dealing with plant poisoning of livestock: the challenge in Queensland. McKenzie RA. **Aust Vet J** 1991 Feb;68(2):41–4 (42 ref.)

Chloramphenicol 1. Hazards of use and the current regulatory environment. Page SW. **Aust Vet J** 1991 Jan; 68(1):1–2 (29 ref.)

Some infectious causes of diarrhea in young farm animals. Holland RE. **Clin Microbiol Rev** 1990 Oct;3(4):345–75 (413 ref.)

Comparative features of retroviral infections of livestock. Evermann JF. **Comp Immunol Microbiol Infect Dis** 1990; 13(3):127–36 (82 ref.)

Ecological questions concerning rickettsiae. Reháček J, et al. **Eur J Epidemiol** 1991 May;7(3):229–36 (64 ref.)

Rabies. Fishbein DB. **Infect Dis Clin North Am** 1991 Mar; 5(1):53–71 (50 ref.)

Household pets and human infections. Goldstein EJ. **Infect Dis Clin North Am** 1991 Mar;5(1):117–30 (39 ref.)

Animal control laws and enforcement. Arkow P. **J Am Vet Med Assoc** 1991 Apr 1;198(7):1164–72 (76 ref.)

Pet population control in Europe. Jöchle W. **J Am Vet Med Assoc** 1991 Apr 1;198(7):1225–30 (50 ref.)

Cytokines: applications in domestic food animals. Blecha F. **J Dairy Sci** 1991 Jan;74(1):328–39 (98 ref.)

Behavioral aspects of stress. Friend TH. **J Dairy Sci** 1991 Jan;74(1):292–303 (73 ref.)

How behavioral stress disrupts the endocrine control of reproduction in domestic animals. Moberg GP. **J Dairy Sci** 1991 Jan;74(1):304–11 (49 ref.)

Human companion–animal relationships in the veterinary consulting room. Odendaal JS, et al. **J S Afr Vet Assoc** 1990 Mar;61(1):14–23 (56 ref.)

Pet-associated lung diseases. Winer-Muram HT, et al. **J Thorac Imaging** 1991 Jul;6(3):14–30 (111 ref.)

Bacterial pathogens in domesticated animals and their environment. Hinton M, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:81S–90S (105 ref.)

Tuberculosis in deer: a review. Clifton-Hadley RS, et al. **Vet Rec** 1991 Jul 6;129(1):5–12 (125 ref.)

[Veterinary dentistry (1). Introduction to and review of dentistry in companion animals] van Foreest A. **Tijdschr Diergeneeskd** 1991 Jun 1;116(11):551–7 (32 ref.) (Eng. Abstr.) **(Dut)**

[A review of the diagnostic possibilities of illegal drug administration in slaughtered animals and meat inspection] Ellerbroek L. **DTW Dtsch Tierarztl Wochenschr** 1990 Aug; 97(8):307–13 (105 ref.) (Eng. Abstr.) **(Ger)**

[Occurrence and significance of different Campylobacter types in domestic animals in Hungary] Varga J. **DTW Dtsch Tierarztl Wochenschr** 1990 Aug;97(8):317–21 (29 ref.) (Eng. Abstr.) **(Ger)**

[Animal welfare aspects of animal breeding] Wegner W. **DTW Dtsch Tierarztl Wochenschr** 1991 Jan;98(1):6–9 (18 ref.) **(Ger)**

ANATOMY & HISTOLOGY

Reproductive laparoscopy. Seager SW. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1369–75 (9 ref.)

[The "protective acid coat" of the skin of our domestic animals] Meyer W, et al. **DTW Dtsch Tierarztl Wochenschr** 1991 May;98(5):167–70 (49 ref.) (Eng. Abstr.) **(Ger)**

BLOOD

Cholinesterase activity in domestic animals as a potential biomonitor for nerve agent and other organophosphate exposure. Munro NB, et al. **J Am Vet Med Assoc** 1991 Jul 1;199(1):103–15 (69 ref.)

GENETICS

Genetic conservation of domestic livestock. Hall SJ. **Oxf Rev Reprod Biol** 1990;12:289–318 (187 ref.)

[Intersexuality in domestic mammals] Cribiu EP, et al. **Reprod Nutr Dev** 1990;Suppl 1:51s–61s (53 ref.) (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Growth promotion in farm animals. Buttery PJ, et al. **Proc Nutr Soc** 1990 Oct;49(3):459–66 (42 ref.)

IMMUNOLOGY

Interferon immunomodulation in domestic food animals. Bielefeldt-Ohmann H, et al. **Adv Vet Sci Comp Med** 1990; 35:215–30 (89 ref.)

In vivo use of interleukins in domestic food animals. Blecha F. **Adv Vet Sci Comp Med** 1990;35:231–52 (98 ref.)

Classical and new approaches to adjuvant use in domestic food animals. Dalsgaard K, et al. **Adv Vet Sci Comp Med** 1990;35:121–60 (232 ref.)

Chemically induced immunomodulation in domestic food animals. Kehrli ME Jr, et al. **Adv Vet Sci Comp Med** 1990; 35:103–19 (66 ref.)

Neuroendocrine–immune interactions. Kelley KW, et al. **Adv Vet Sci Comp Med** 1990;35:283–305 (115 ref.)

Mechanisms of action of some immunomodulators used in veterinary medicine. Quinn PJ. **Adv Vet Sci Comp Med** 1990;35:43–99 (174 ref.)

Nutritional modulation of immunity in domestic food animals. Reddy PG, et al. **Adv Vet Sci Comp Med** 1990;35:255–81 (144 ref.)

[Acute phase proteins as diagnostic aid in veterinary medicine] Alsemgeest SP, et al. **Tijdschr Diergeneeskd** 1990 Oct 15;115(20):939–47 (67 ref.) (Eng. Abstr.) **(Dut)**

METABOLISM

Opioid modulation of gonadotropin and prolactin secretion in domestic farm animals. Barb CR, et al. **Domest Anim Endocrinol** 1991 Jan;8(1):15–27 (105 ref.)

Cholinergic manipulation of digestive function in ruminants and other domestic livestock: a review [published erratum appears in J Anim Sci 1990 Dec;68(12):4445] Croom WJ Jr, et al. **J Anim Sci** 1990 Sep;68(9):3023–32 (54 ref.)

Protein and energy requirements of animals treated with beta-adrenergic agonists: a discussion. Reeds PJ, et al. **J Anim Sci** 1991 Apr;69(4):1532–50 (99 ref.)

MICROBIOLOGY

Probiotics in animal nutrition: a review. Vanbelle M, et al. **Arch Tierernahr** 1990 Jul;40(7):543–67 (322 ref.)

[A case report of psittacosis and chlamydial isolation from a dead pet bird] Hayashi Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Mar; 28(3):535–40 (32 ref.) (Eng. Abstr.) **(Jpn)**

PARASITOLOGY

Parasites, pets, and people. Marx MB. **Prim Care** 1991 Mar; 18(1):153–65 (20 ref.)

Babesiosis of companion animals and man. Taboada J, et al. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):103–23 (91 ref.)

PHYSIOLOGY

Potential for improving animal health by modulation of behavior and immune function. McGlone JJ. **Adv Vet Sci Comp Med** 1990;35:307–15 (24 ref.)

The neurophysiological regulation of growth hormone secretion. Buonomo FC, et al. **Domest Anim Endocrinol** 1990 Oct;7(4):435–50 (144 ref.)

Lactational anoestrus in farm animals. Peters AR, et al. **Oxf Rev Reprod Biol** 1990;12:245–88 (229 ref.)

Diet selection of pigs and poultry. Rose SP, et al. **Proc Nutr Soc** 1991 Mar;50(1):87–98 (39 ref.)

Byproduct feeds. Feed analysis and interpretation. Schingoethe DJ. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):577–84 (6 ref.)

Incidence and management of poisonings in livestock. Kerr LA. **Vet Hum Toxicol** 1990 Oct;32(5):475–6 (0 ref.)

A review of some aspects of the pharmacology of oxytocin in domestic animals. al-Eknah MM, et al. **Vet Res Commun** 1991;15(1):45–55 (121 ref.)

ANIMALS, LABORATORY

Infections transmitted by large and small laboratory animals. Fox JG, et al. **Infect Dis Clin North Am** 1991 Mar; 5(1):131–63 (98 ref.)

Animal rights 201. Trull FL, et al. **J Invest Surg** 1990; 3(3):193–6 (4 ref.)

Bioassays in whole animals. van Noordwijk J. **J Pharm Biomed Anal** 1989;7(2):139–45 (16 ref.)

IMMUNOLOGY

Allergy to laboratory mice and rats: a review of the pathophysiology, epidemiology and clinical aspects. Hunskaar S, et al. **Lab Anim** 1990 Oct;24(4):358–74 (77 ref.)

The germ-free animal fed chemically defined diet: a unique tool. Wostmann BS, et al. **Proc Soc Exp Biol Med** 1991 Oct;198(1):539–46 (62 ref.)

[Studies on the development of an ELISA kit for microbiological monitoring of laboratory animals] Takakura A, et al. **Jikken Dobutsu** 1991 Jan;40(1):7–15 (27 ref.) **(Jpn)**

METABOLISM

Species-specific changes in the metabolic control of food intake: integrating the animal with its environment. Bartness TJ. **Int J Obes** 1990;14 Suppl 3:115–23; discussion 123–4 (51 ref.)

PSYCHOLOGY

Psychologic well-being: conceptual issues, behavioral measures, and implications for dogs. Hetts S. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):369–87 (79 ref.)

ANIMALS, NEWBORN

Some infectious causes of diarrhea in young farm animals. Holland RE. **Clin Microbiol Rev** 1990 Oct;3(4):345–75 (413 ref.)

[Rupture of the bladder and of the urachus in foals. A literature review] Baerveldt MC, et al. **Tijdschr Diergeneeskd** 1991 Mar 1;116(5):221–8 (22 ref.) (Eng. Abstr.) **(Dut)**

GROWTH & DEVELOPMENT

Molecular aspects of the ontogeny of pituitary and gonadal function. Huhtaniemi IT, et al. **Ann N Y Acad Sci** 1991; 626:62–72 (29 ref.)

IMMUNOLOGY

Neonatal tolerance of H-2 alloantigens. Procuring graft acceptance the "old-fashioned" way. Streilein JW. **Transplantation** 1991 Jul;52(1):1–10 (60 ref.)

METABOLISM

Metabolic adaptations to change of nutrition at birth. Girard J. **Biol Neonate** 1990;58 Suppl 1:3–15 (62 ref.)

PHYSIOLOGY

A dopamine deficiency model of Lesch-Nyhan disease--the neonatal-6-OHDA-lesioned rat. Breese GR, et al. **Brain Res Bull** 1990 Sep;25(3):477–84 (57 ref.)

Control of blood pressure and the distribution of blood flow. Versmold HT. **Int J Technol Assess Health Care** 1991;7 Suppl 1:79–84 (38 ref.)

Nigral grafts in neonatal rats: protection from aphagia induced by subsequent adult 6-OHDA lesions. Rogers DC, et al. **Prog Brain Res** 1990;82:489–92 (19 ref.)

The role of pulmonary vascular endothelium in perinatal pulmonary circulatory regulation. Fineman JR, et al. **Semin Perinatol** 1991 Feb;15(1):58–62 (31 ref.)

Management of anesthesia in the foal. Tranquilli WJ, et al. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):651–63 (33 ref.)

PSYCHOLOGY

Use of monkey neonatal neurobehavioral test batteries in safety testing protocols. Golub MS. **Neurotoxicol Teratol** 1990 Sep-Oct;12(5):537–41 (19 ref.)

Neurobehavioral assessment during the early postnatal period. Spear LP. **Neurotoxicol Teratol** 1990 Sep-Oct; 12(5):489–95 (43 ref.)

ANIMALS, NONDOMESTIC see **ANIMALS, WILD**

ANIMALS, POISONOUS

[Sting and bite injuries caused by poisonous animals. Symptoms and treatment] Mebs D.

Med Monatsschr Pharm 1990 Nov;13(11):330–9 (7 ref.) (Ger)

ANIMALS, SUCKLING

PHYSIOLOGY

Role of milk-borne prostaglandins and epidermal growth factor for the suckling mammal. Koldovský O, et al. **J Am Coll Nutr** 1991 Feb;10(1):17–23 (83 ref.)

Preruminant calf nutrition. Tomkins T, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):557–76 (67 ref.)

ANIMALS, TRANSGENIC

The use of gene targeting to develop animal models for human genetic diseases. Melton DW. **Biochem Soc Trans** 1990 Dec;18(6):1035–9 (24 ref.)

Transgenic models for haemopoietic malignancies. Adams JM, et al. **Biochim Biophys Acta** 1991 Apr 16;1072(1):9–31 (156 ref.)

Gene transfer in fish. Guise KS, et al. **Biotechnology** 1991; 16:295–306 (48 ref.)

Transgenic rats: a discussion. Heideman J. **Biotechnology** 1991;16:325–32 (4 ref.)

Studies on transgenic fish: gene transfer, expression, and inheritance. Powers DA, et al. **Biotechnology** 1991; 16:307–24 (38 ref.)

Animal models for the biological effects of continuous high cytokine levels. Lübbert M, et al. **Blut** 1990 Nov; 61(5):253–7 (27 ref.)

Transgenic approaches to modification of cell and tissue function. Mullins L, et al. **Curr Opin Cell Biol** 1991 Apr; 3(2):192–8 (48 ref.)

Transgenic rats: new animal models in hypertension research. Invited lecture. Ganten D, et al. **Hypertension** 1991 Jun; 17(6 Pt 2):843–55 (80 ref.)

Transgenic animals. New approaches to hypertension research. Mockrin SC, et al. **Hypertension** 1991 Mar; 17(3):394–9 (49 ref.)

GENETICS

Production of sheep transgenic for growth hormone genes. Rexroad CE Jr. **Biotechnology** 1991;16:259–63 (16 ref.)

Developmental regulation and tissue-specific expression of a chimaeric phosphoenolpyruvate carboxykinase/bovine growth hormone gene in transgenic animals. McGrane MM, et al. **J Reprod Fertil Suppl** 1990;41:17–23 (23 ref.)

ANIMALS, WILD

Rabies. Fishbein DB. **Infect Dis Clin North Am** 1991 Mar; 5(1):53–71 (50 ref.)

Tuberculosis in deer: a review. Clifton-Hadley RS, et al. **Vet Rec** 1991 Jul 6;129(1):5–12 (125 ref.)

[Provisions for returning rehabilitated wild bird patients to the wild state] Jakoby JR, et al. **Tierarztl Prax** 1990 Oct; 18(5):503–5 (6 ref.) (Eng. Abstr.) (Ger)

ANATOMY & HISTOLOGY

Reproductive laparoscopy. Seager SW. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1369–75 (9 ref.)

GENETICS

Mammalian cytogenetics and conservation of species. Benirschke K, et al. **J Hered** 1991 May–Jun;82(3):187–91 (28 ref.)

Genetic conservation of domestic livestock. Hall SJ. **Oxf Rev Reprod Biol** 1990;12:289–318 (187 ref.)

The Lake Casitas wild mouse: evolving genetic resistance to retroviral disease. Gardner MB, et al. **Trends Genet** 1991 Jan;7(1):22–7 (33 ref.)

METABOLISM

Small mammals as monitors of environmental contaminants. Talmage SS, et al. **Rev Environ Contam Toxicol** 1991; 119:47–145 (120 ref.)

PHYSIOLOGY

Diet selection--an ecological perspective. Moss R. **Proc Nutr Soc** 1991 Mar;50(1):71–5 (16 ref.)

Effects of biological and environmental factors on activity rhythms of wild animals. Tester JR, et al. **Prog Clin Biol Res** 1990;341B:809–19 (27 ref.)

ANIMALS, ZOO

ANATOMY & HISTOLOGY

Reproductive laparoscopy. Seager SW. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1369–75 (9 ref.)

GENETICS

Mammalian cytogenetics and conservation of species. Benirschke K, et al. **J Hered** 1991 May–Jun;82(3):187–91 (28 ref.)

ANION GAP see **ACID–BASE EQUILIBRIUM**

ANIONS

Anion exchange reactions in bacteria. Maloney PC. **J Bioenerg Biomembr** 1990 Aug;22(4):509–23 (46 ref.)

METABOLISM

The band 3-related anion exchanger (AE) gene family. Alper SL. **Annu Rev Physiol** 1991;53:549–64 (82 ref.)

Uniporters and anion antiporters. Baldwin SA. **Curr Opin Cell Biol** 1990 Aug;2(4):714–21 (31 ref.)

Gramicidin, VDAC, porin and perforin channels. Levitt D. **Curr Opin Cell Biol** 1990 Aug;2(4):689–94 (20 ref.)

Redox cycling of radical anion metabolites of toxic chemicals and drugs and the Marcus theory of electron transfer. Mason RP. **Environ Health Perspect** 1990 Jul;87:237–43 (30 ref.)

PHARMACOKINETICS

The red cell Na/K pump reaction cycle: ligand signal sites and Na coupled anion transport. Hoffman JF, et al. **Soc Gen Physiol Ser** 1991;46:281–8 (24 ref.)

ANIRIDIA

GENETICS

Wilms tumour: a developmental anomaly. Hastie ND, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:145–50 (14 ref.)

ANISAKIS see **NEMATODA**

ANISOMETROPIA

DIAGNOSIS

[Anisocoria: a suspicious sign of anisotropy and/or amblyopia] González de Aledo Linos A. **An Esp Pediatr** 1991 Jan;34(1):9–14 (22 ref.) (Eng. Abstr.) (Spa)

ANISOYLATED PLASMINOGEN-STREPTOKINASE ACTIVATOR COMPLEX see **ANISTREPLASE**

ANISTREPLASE

THERAPEUTIC USE

Coronary artery thrombolysis: comparison of approved agents. Porter RS, et al. **Am Fam Physician** 1991 Aug; 44(2):591–8 (29 ref.)

Blood viscosity and platelet function in thrombolytic therapy of acute myocardial infarction. Hoffmann JJ. **Eur Heart J** 1990 Aug;11 Suppl F:29–35 (51 ref.)

ANKLE

Pseudogout of the ankle: a case study and arthroscopic-assisted treatment. Hanft JR, et al. **J Foot Surg** 1991 Mar–Apr;30(2):173–8 (21 ref.)

Magnetic resonance imaging of pediatric foot and ankle disorders. Sartoris DJ, et al. **J Foot Surg** 1990 Sep–Oct; 29(5):489–94 (13 ref.)

ABNORMALITIES

Role of epiphysiodesis in the management of deformities of the foot and ankle. Wertheimer SJ. **J Foot Surg** 1990 Sep–Oct;29(5):459–62 (29 ref.)

ANATOMY & HISTOLOGY

Magnetic resonance imaging of the foot and ankle. Berquist TH. **Semin Ultrasound CT MR** 1990 Aug;11(4):327–45 (66 ref.)

INJURIES

Acute lateral ankle ligament injuries: a literature review. Boruta PM, et al. **Foot Ankle** 1990 Oct;11(2):107–13 (80 ref.)

Common ankle injuries in the athlete. Ruda SC. **Nurs Clin North Am** 1991 Mar;26(1):167–80 (12 ref.)

Prophylactic ankle bracing. Miller EA, et al. **Pediatr Clin North Am** 1990 Oct;37(5):1175–85 (20 ref.)

Trauma to elbows, knees, and ankles. Hodge D 3d, et al. **Pediatr Emerg Care** 1991 Jun;7(3):188–94 (8 ref.)

Ankle sprains are always more than 'just a sprain'. Stanley KL. **Postgrad Med** 1991 Jan;89(1):251–5 (10 ref.)

SURGERY

Superficial foot and ankle surgery. Greenway HT Jr, et al. **Adv Dermatol** 1991;6:85–110; discussion 111 (8 ref.)

Surgical approaches of the rearfoot and ankle. Ketterer DJ, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):401–31 (42 ref.)

Effects of ankle arthrodesis on the subtalar and midtarsal joints. Conti RJ, et al. **J Foot Surg** 1990 Jul–Aug; 29(4):334–6 (11 ref.)

ANKLE JOINT

[Arthroscopy of the upper ankle joint] Ehrchen K. **Aktuel Probl Chir Orthop** 1991;40:85–90 (20 ref.) (Ger)

[Diagnosis and treatment of ligamentous injuries of the ankle] Takakura Y. **Nippon Seikeigeka Gakkai Zasshi** 1990 Nov; 64(11):1111–26 (39 ref.) (Jpn)

INJURIES

The difficult ankle. Brukner P, et al. **Aust Fam Physician** 1991 Jul;20(7):919–21, 924–30 (26 ref.)

Arthroscopic management of transchondral talar-dome fractures (osteochondritis dissecans) and anterior impingement lesions of the ankle joint. Ewing JW. **Clin Sports Med** 1991 Jul;10(3):677–87 (15 ref.)

Meniscoid lesions of the ankle. Stone JW, et al. **Clin Sports Med** 1991 Jul;10(3):661–76 (9 ref.)

Chronic and recurrent ankle sprains. Zimmer TJ. **Clin Sports Med** 1991 Jul;10(3):653–9 (11 ref.)

Treatment for acute tears of the lateral ligaments of the ankle. Operation, cast, or early controlled mobilization. Kannus P, et al. **J Bone Joint Surg [Am]** 1991 Feb;73(2):305–12 (77 ref.)

Long-term results of pronation-external rotation ankle fracture-dislocations treated with anatomical open reduction, internal fixation. Stiehl JB, et al. **J Orthop Trauma** 1990;4(3):339–45 (24 ref.)

Lateral ankle dislocation without fracture. Wehner J, et al. **J Orthop Trauma** 1990;4(3):362–5 (20 ref.)

Lateral rotatory dislocation of the ankle without fracture. Wilson AB, et al. **J Orthop Trauma** 1991;5(1):93–5 (6 ref.)

[Imaging techniques in trauma of the ankle joint and tarsus] Lehner K, et al. **Rontgenpraxis** 1991 Jan;44(1):9–15 (10 ref.) (Ger)

[Role of the fibula in distal tibial fracture] Heim U. **Z Unfallchir Versicherungsmed** 1990;83(4):187–95 (16 ref.) (Eng. Abstr.) (Ger)

[Lateral instability of the ankle joint (1). Non-surgical treatment is the first choice—20 per cent may need ligament surgery] Karlsson J, et al. **Lakartidningen** 1991 Apr 10; 88(15):1399–402 (34 ref.) (Eng. Abstr.) (Swe)

RADIOGRAPHY

Radiography of the ankle mortise. Frank ED, et al. **Radiol Technol** 1991 May–Jun;62(5):354–9 (15 ref.)

SURGERY

Lateral ankle instability associated with dislocation of the peroneal tendons treated by the Chrisman-Snook procedure. A case report and literature review. Sobel M, et al. **Am J Sports Med** 1990 Sep–Oct;18(5):539–43 (39 ref.)

Rheumatoid arthritis and ankle surgery. Kirkup J. **Ann Rheum Dis** 1990 Oct;49 Suppl 2:837–44 (24 ref.)

Ankle arthrodesis in children. Mazur JM, et al. **Clin Orthop** 1991 Jul;(268):65–9 (14 ref.)

Ankle arthrodesis. A comparison of an arthroscopic and an open method of treatment. Myerson MS, et al. **Clin Orthop** 1991 Jul;(268):84–95 (41 ref.)

An overview of ankle arthrodesis. Scranton PE Jr. **Clin Orthop** 1991 Jul;(268):96–101 (28 ref.)

Triple arthrodesis. DiStazio JJ. **Clin Podiatr Med Surg** 1991 Jul;8(3):693–9 (22 ref.)

Anterior ankle arthroplasty. Hensley JP. **Clin Podiatr Med Surg** 1991 Jul;8(3):625–35 (14 ref.)

Pantalar arthrodesis. Leal LO, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):701–15 (21 ref.)

Lateral ankle stabilization. Modified Lee and Chrisman-Snook. Saltrick KR. **Clin Podiatr Med Surg** 1991 Jul;8(3):579–600 (40 ref.)

Alternatives to hip, knee, and ankle total joint arthroplasty. Cuckler JM, et al. **Curr Opin Rheumatol** 1991 Feb;3(1):81–7 (29 ref.)

Ankle fusion: a retrospective review. Aaron AD. **Orthopedics** 1990 Nov;13(11):1249–54 (23 ref.)

[Operative arthroscopy of the ankle. 107 cases] Demazière A, et al. **Rev Rhum Mal Osteoartic** 1991 Feb;58(2):93–7 (20 ref.) (Eng. Abstr.) (Fre)

ANKYLOSIS

CONGENITAL

Surgery for congenital stapes ankylosis with an associated congenital ossicular chain anomaly. Teunissen B, et al. **Int J Pediatr Otorhinolaryngol** 1991 May;21(3):217–26 (34 ref.)

IMMUNOLOGY

Psoriatic arthritis of the temporomandibular joints with ankylosis. Literature review and case reports. Koorbusch GF, et al. **Oral Surg Oral Med Oral Pathol** 1991 Mar; 71(3):267–74 (48 ref.)

ANLL see **LEUKEMIA, NONLYMPHOCYTIC, ACUTE**

ANNELIDA

ANALYSIS

Iron and heme contents of the extracellular hemoglobins and chlorocruorins of annelids. Vinogradov SN, et al.

ANNELIDA

Comp Biochem Physiol [B] 1991;98(2–3):187–94 (83 ref.)

METABOLISM

Marine adhesive proteins: natural composite thermosets. Waite JH. **Int J Biol Macromol** 1990 Apr;12(2):139–44 (60 ref.)

ANNIVERSARY REACTION see **ADJUSTMENT DISORDERS**

ANNUAL IMPLEMENTATION PLANS see **REGIONAL HEALTH PLANNING**

ANNULAR GROOVES see **AMNIOTIC BAND SYNDROME**

ANODE see **ELECTRODES**

ANODONTIA

[Ophthalmological anomalies of the GAPO syndrome (growth retardation, alopecia, pseudo-anodontia, optic atrophy). Apropos of a case] Dellac M, et al. **J Fr Ophtalmol** 1990;13(11–12):547–50 (8 ref.) (Eng. Abstr.) **(Fre)**

ANODYNES see **ANALGESICS**

ANOMIE

see related
PERSONALITY DISORDERS
SOCIAL BEHAVIOR DISORDERS

ANOPHELES

[Vector control and malaria control] Carnevale P, et al. **Med Trop (Mars)** 1990 Oct–Dec;50(4):391–8 (75 ref.) (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Anopheline mosquitoes and malaria parasites in Taiwan. Lien JC. **Kao Hsiung I Hsueh Ko Hsueh Tsa Chih** 1991 May; 7(5):207–23 (64 ref.)

PARASITOLOGY

Can anopheline-transmitted filariasis be eradicated? Webber RH. **J Trop Med Hyg** 1991 Aug;94(4):241–4 (19 ref.)

RADIATION EFFECTS

Immunity to falciparum and vivax malaria induced by irradiated sporozoites: a review of the University of Maryland studies, 1971–75. Clyde DF. **Bull World Health Organ** 1990;68 Suppl:9–12 (9 ref.)

ANORECTICS see **APPETITE DEPRESSANTS**

ANOREXIA

COMPLICATIONS

Anorexia in older patients: its meaning and management. Morley JE. **Geriatrics** 1990 Dec;45(12):59–62, 65–6 (21 ref.)

DRUG THERAPY

Alleviation of cancer anorexia and cachexia: studies of the Mayo Clinic and the North Central Cancer Treatment Group. Loprinzi CL, et al. **Semin Oncol** 1990 Dec;17(6 Suppl 9):8–12 (47 ref.)

ETIOLOGY

Tumor anorexia: causes, assessment, treatment. Ollenschläger G, et al. **Recent Results Cancer Res** 1991;121:249–59 (64 ref.)

PSYCHOLOGY

Do you have patients with anorexia or bulimia? Understanding is the first step in helping. Buckner ET. **Postgrad Med** 1991 Mar;89(4):209–12, 215 (6 ref.)

ANOREXIA NERVOSA

Update and review of anorexia nervosa. Lucas AR. **Bol Asoc Med P R** 1990 Dec;82(12):544–6 (19 ref.)

COMPLICATIONS

Eating disorders: a primer for the substance abuse specialist. 2. Theories of etiology, treatment approaches, and considerations during co-morbidity with substance abuse. Katz JL. **J Subst Abuse Treat** 1990;7(4):211–7 (25 ref.)

Eating disorders: a primer for the substance abuse specialist: 1. Clinical features. Katz JL. **J Subst Abuse Treat** 1990; 7(3):143–9 (15 ref.)

[Life-threatening complications and death in anorexia nervosa] Backmund H, et al. **Schweiz Arch Neurol Psychiatr** 1990;141(5):419–28 (40 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Anorexia nervosa in the elderly: a case report and review of the literature. White A, et al. **Br J Clin Pract** 1990 Dec; 44(12):630–1 (26 ref.)

Biomedical variables in the eating disorders. Kaplan AS. **Can J Psychiatry** 1990 Dec;35(9):745–53 (107 ref.)

[The pediatrician and anorexia nervosa] Madruga Acerete D, et al. **An Esp Pediatr** 1991 Jan;34(1):62–7 (21 ref.) **(Spa)**

DRUG THERAPY

Current perspectives on drug therapies for anorexia nervosa and bulimia nervosa. Kennedy SH, et al. **Drugs** 1991 Mar; 41(3):367–77 (90 ref.)

EPIDEMIOLOGY

Epidemiological study of eating disorders: time for a change of emphasis [editorial] Patton GC, et al. **Psychol Med** 1991 May;21(2):287–91 (55 ref.)

[Comparative study of anorexia nervosa in a group of males and females] de la Serna de Pedro I, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1990 Sep–Oct;18(5):332–8 (36 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

[The role of serotonin in normal appetite regulation and in the pathogenesis of anorexia/bulimia] Spigset O. **Nord Med** 1990;105(11):292–7 (15 ref.) (Eng. Abstr.) **(Nor)**

PHYSIOPATHOLOGY

Bone mineral density and anorexia nervosa in women. Salisbury JJ, et al. **Am J Psychiatry** 1991 Jun;148(6):768–74 (52 ref.)

Eating disorders and depression: is there a serotonin connection? Jimerson DC, et al. **Biol Psychiatry** 1990 Sep 1;28(5):443–54 (100 ref.)

[Serotonin and eating disorders] Nutzinger DO, et al. **Nervenarzt** 1991 Mar;62(3):198–201 (35 ref.) **(Ger)**

PSYCHOLOGY

Anorexia nervosa in adolescent males: a review and case study. Hamlett KW, et al. **Child Psychiatry Hum Dev** 1990 Winter;21(2):79–94 (46 ref.)

Syndrome metamorphoses in anorexia nervosa--an example of integrative psychopathology. Böning J, et al. **Psychopathology** 1990;23(3):146–52 (38 ref.)

[Anorexia and bulimia nervosa: symptoms, medical complications, etiology and treatment] Fichter MM, et al. **Internist (Berl)** 1991 Jan;32(1):38–49 (77 ref.) **(Ger)**

[Anorexia nervosa in adolescents] Tomás Vilaltella J, et al. **An Esp Pediatr** 1990 Jun,32(6):513–7 (33 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Individual psychotherapeutic treatment of anorexia nervosa. Lunn S. **Acta Psychiatr Scand Suppl** 1990;361:23–8 (17 ref.)

Group therapy for anorexic and bulimic patients. Some aspects on the conduction of group therapy and a critical review of some recent studies. Rosenvinge JH. **Acta Psychiatr Scand Suppl** 1990;361:38–43 (59 ref.)

Anorexia nervosa and bulimia nervosa. Perspectives on etiology and cognitive behavior therapy. Støylen IJ, et al. **Acta Psychiatr Scand Suppl** 1990;361:52–8 (44 ref.)

The ethics of forced feeding in anorexia nervosa [see comments] Hébert PC, et al. **Can Med Assoc J** 1991 Jan 15;144(2):141–4 (38 ref.) Comment in: Can Med Assoc J 1991 May 15;144(10):1205–8.

Anorexia nervosa: evaluation and treatment. Powers PS. **Compr Ther** 1990 Dec;16(12):24–34 (51 ref.)

Family therapy for anorexia nervosa in adolescence: a review. Hodes M, et al. **J R Soc Med** 1991 Jun;84(6):359–62 (40 ref.)

Follow-up studies of anorexia nervosa: a review of four decades of outcome research. Steinhausen HC, et al. **Psychol Med** 1991 May;21(2):447–54 (35 ref.)

ANOSMIA

PHYSIOPATHOLOGY

[Evaluating function and disorders of smell] Herberhold C. **Arch Otorhinolaryngol** 1975;210(1):67–164 (540 ref.) (Eng. Abstr.) **(Ger)**

ANOVULATION

DRUG THERAPY

Induction of ovulation--cost-effectiveness and future prospects. Baird DT, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):639–50 (54 ref.)

Clomiphene citrate. Glasier AF. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):491–501 (42 ref.)

Human gonadotrophins. Nilsson L, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):503–18 (31 ref.)

Induction of ovulation with pulsatile GnRH. Shoham Z, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):589–608 (84 ref.)

Ovulation induction and ovulatory failure. Insler V. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):182–92 (31 ref.)

ETIOLOGY

Disorders of the hypothalamic pulse generator: insufficient or inappropriate gonadotropin-releasing hormone release. Casper RF. **Clin Obstet Gynecol** 1990 Sep;33(3):611–21 (57 ref.)

Ovulation disturbances and exercise training. Prior JC, et al. **Clin Obstet Gynecol** 1991 Mar;34(1):180–90 (33 ref.)

Menstrual function and luteal-phase deficiency in relation to weight changes and dieting. Schweiger U. **Clin Obstet Gynecol** 1991 Mar;34(1):191–7 (20 ref.)

PHYSIOPATHOLOGY

[Unruptured luteinized follicle syndrome] Mardesic T. **Zentralbl Gynakol** 1990;112(18):1133–41 (42 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Common problems in induction of ovulation. Hamilton-Fairley D, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):609–25 (96 ref.)

ANOXEMIA

ETIOLOGY

[Late postoperative hypoxemia] Rosenberg J, et al. **Ugeskr Laeger** 1991 Apr 29;153(18):1265–8 (30 ref.) (Eng. Abstr.) **(Dan)**

[Peroperative and early postoperative hypoxemia] Rosenberg J, et al. **Ugeskr Laeger** 1991 Apr 29;153(18):1262–4 (30 ref.) (Eng. Abstr.) **(Dan)**

[Pulmonary artery hypertension and nocturnal hypoxemia in chronic obstructive bronchopneumopathy] Apprill M, et al. **Rev Mal Respir** 1991;8(1):13–27 (97 ref.) (Eng. Abstr.) **(Fre)**

[Hypoxemia of chronic obstructive bronchopneumopathy and sleep] Meslier N, et al. **Rev Mal Respir** 1990;7(5):483–8 (47 ref.) **(Fre)**

ANOXIA

A comparison of typical death scene features in cases of fatal male and autoerotic asphyxia with a review of the literature. Byard RW, et al. **Forensic Sci Int** 1990 Dec; 48(2):113–21 (101 ref.)

COMPLICATIONS

Arterial wall hypoxia following thrombosis of the vasa vasorum is an initial lesion in atherosclerosis. Martin JF, et al. **Eur J Clin Invest** 1991 Jun;21(3):355–9 (41 ref.)

ETIOLOGY

Hypoxic pulmonary vasoconstriction. Marshall BE. **Acta Anaesthesiol Scand Suppl** 1990;94:37–41 (33 ref.)

Susceptibility of Henle's loop to hypoxic and toxic insults. Brezis M, et al. **Adv Nephrol Necker Hosp** 1991;20:41–56 (35 ref.)

[Hypoxic pulmonary hypertension] Hampl V. **Cesk Fysiol** 1991;40(3):255–71 (132 ref.) **(Cze)**

[Myocardial hypoxia in newborn infants] Eigenson OB. **Pediatriia** 1990;(8):96–9 (63 ref.) **(Rus)**

METABOLISM

Review article: hypoxia and hepatic drug metabolism--clinical implications. Angus PW, et al. **Aliment Pharmacol Ther** 1990 Jun;4(3):213–25 (67 ref.)

Calcium handling by renal tubules during oxygen deprivation injury to the kidney prior to reoxygenation. Burke TJ, et al. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1319–24 (30 ref.)

Defining the resistance to oxygen transfer in tissue hypoxia. Jones DP, et al. **Experientia** 1990 Dec 1;46(11–12):1180–5 (27 ref.)

Possible mechanisms limiting N-methyl-D-aspartate receptor overactivation and the therapeutic efficacy of N-methyl-D-aspartate antagonists. Choi DW. **Stroke** 1990 Nov;21(11 Suppl):III20–2 (42 ref.)

[Hypoxia and ATP synthesizing system] Kagawa Y. **Kokyu To Junkan** 1990 Oct;38(10):942–9 (27 ref.) **(Jpn)**

MORTALITY

Anoxic asphyxia--a cause of industrial fatalities: a review. James PB, et al. **J R Soc Med** 1991 Aug;84(8):493–5 (26 ref.)

PATHOLOGY

[Histological characteristics of the reactions of cerebral neuroglia in laboratory animals] Kvitnitskii-Ryzhov IuN, et al. **Arkh Anat Gistol Embriol** 1990 Sep;99(9):5–19 (75 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Tolerance to severe hypoxia: lessons from Mt. Everest. West

JB. **Acta Anaesthesiol Scand Suppl** 1990;94:18–23 (25 ref.)
Adaptations to hypoxia in birds: how to fly high. Faraci FM. **Annu Rev Physiol** 1991;53:59–70 (83 ref.)
Interactions between hypoxia and hypothermia. Wood SC. **Annu Rev Physiol** 1991;53:71–85 (78 ref.)
Correlative contribution of carotid and aortic afferences to the ventilatory chemosensory drive in steady-state normoxia and to the ventilatory chemoreflexes induced by transient hypoxia. Eugenin J, et al. **Arch Biol Med Exp (Santiago)** 1989 Dec;22(4):395–408 (35 ref.)
Hypoxia: on the borderline between physiology and pathophysiology. A foreword. Bauer C. **Experientia** 1990 Dec 1;46(11–12):1157–60 (0 ref.)
Endothelial cells as part of a vascular oxygen-sensing system: hypoxia-induced release of autacoids. Pohl U. **Experientia** 1990 Dec 1;46(11–12):1175–9 (45 ref.)
Role of erythropoietin in adaptation to hypoxia. Scholz H, et al. **Experientia** 1990 Dec 1;46(11–12):1197–201 (56 ref.)
Cerebral blood flow does not adapt to sustained hypoxia. Krasney JA, et al. **J Cereb Blood Flow Metab** 1990 Nov; 10(6):759–64 (26 ref.)
Fetal and newborn cerebral vascular responses and adaptations to hypoxia. Longo LD, et al. **Semin Perinatol** 1991 Feb;15(1):49–57 (44 ref.)
[Tissue factors involved in hypoxic pulmonary vasoconstriction] Hampl V, et al. **Cesk Fysiol** 1991; 40(1):1–23 (206 ref.) **(Cze)**

PREVENTION & CONTROL

Monitoring and safety in endoscopy. Bell GD. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):79–98 (63 ref.)
[The use of antioxidants and antihypoxants in tuberculosis (a review of the literature)] Skakun NP. **Vrach Delo** 1991 Mar;(3):52–6 (25 ref.) **(Rus)**

URINE

[Urinary N-acetyl-beta-D-glucosaminidase activity in healthy, polycythemic and hypoxic newborn infants] Csáthy L, et al. **Orv Hetil** 1991 Mar 3;132(9):451–5 (31 ref.) (Eng. Abstr.) **(Hun)**

ANOXIA, CELLULAR see **CELL HYPOXIA**

ANOXIA, FETAL see **FETAL ANOXIA**

ANP see **NATRIURETIC PEPTIDES, ATRIAL**

ANT VENOMS

CHEMISTRY

Neurotoxic kinins from wasp and ant venoms. Piek T. **Toxicon** 1991;29(2):139–49 (46 ref.)

ANTACIDS

ADMINISTRATION & DOSAGE

Degrees of acid suppression and ulcer healing: dosage considerations. Pounder RE. **Aliment Pharmacol Ther** 1991; 5 Suppl 1:5–13 (35 ref.)

ADVERSE EFFECTS

Antacid-induced osteomalacia: a case report with a histomorphometric analysis. Kassem M, et al. **J Intern Med** 1991 Mar;229(3):275–9 (13 ref.)

METABOLISM

Significance of the ciprofloxacin-antacid interaction. Roush MK, et al. **DICP** 1991 May;25(5):473–5 (15 ref.)

THERAPEUTIC USE

Sucralfate versus antacids or H2-antagonists for stress ulcer prophylaxis: a meta-analysis on efficacy and pneumonia rate. Tryba M. **Crit Care Med** 1991 Jul;19(7):942–9 (47 ref.)
The medical management of reflux esophagitis. Role of antacids and acid inhibition. Sontag SJ. **Gastroenterol Clin North Am** 1990 Sep;19(3):683–712 (104 ref.)
Acid and barriers. Current research and future developments for peptic ulcer therapy. Rademaker JW, et al. **Scand J Gastroenterol Suppl** 1990;175:19–26 (67 ref.)

ANTERIOR CHAMBER

[Surgical correction of severe myopia using an anterior chamber implant in the phakic eye. Concept—results] Baikoff G, et al. **Bull Soc Belge Ophtalmol** 1989;233:109–25 (49 ref.) **(Fre)**

IMMUNOLOGY

Ocular molecules and cells that regulate immune responses in situ. Streilein JW, et al. **Int Ophthalmol** 1990 Oct; 14(5–6):317–25 (11 ref.)

SURGERY

Phakic anterior chamber intraocular lenses. Baikoff G. **Int Ophthalmol Clin** 1991 Winter;31(1):75–86 (25 ref.)

ANTERIOR CHAMBER EPITHELIUM see **ENDOTHELIUM, CORNEAL**

ANTERIOR COMPARTMENT SYNDROME

DIAGNOSIS

Compartment syndrome as a presentation of non-Hodgkin's lymphoma. Southworth SR, et al. **J Orthop Trauma** 1990; 4(4):470–3 (22 ref.)

PHYSIOPATHOLOGY

The anterior compartment syndrome in the lower leg. Review and role of the EMG examination. Ceyssens C, et al. **Acta Belg Med Phys** 1990 Oct-Dec;13(4):195–9 (25 ref.)

ANTERIOR CRUCIATE LIGAMENT

INJURIES

The effect of bracing on the collateral ligaments of the knee. Baker BE. **Clin Sports Med** 1990 Oct;9(4):843–51 (44 ref.)
Functional analysis of anterior cruciate ligament braces. Branch TP, et al. **Clin Sports Med** 1990 Oct;9(4):771–97 (28 ref.)
A technique for arthroscopic anterior cruciate ligament repair. Whipple TL, et al. **Clin Sports Med** 1991 Jul; 10(3):463–8 (22 ref.)
Instability of the anterior and posterior cruciate ligaments. Arnoczky SP, et al. **Instr Course Lect** 1991;40:199–270 (324 ref.)
Anterior cruciate ligament injuries. Evaluation, arthroscopic reconstruction, and rehabilitation. Whittington CF, et al. **Nurs Clin North Am** 1991 Mar;26(1):149–58 (34 ref.)
Current concepts in anterior cruciate ligament rehabilitation. Shelbourne KD, et al. **Orthop Rev** 1990 Nov;19(11):957–64 (32 ref.)
Treatment of acute knee injuries with anterior cruciate lesions (ACL injuries). **Schweiz Z Sportmed** 1991 Jun;39(2):61–2 (0 ref.)
Recent developments in the treatment and repair of anterior cruciate ligament injuries in the athlete. Cross MJ, et al. **Sports Med** 1990 Dec;10(6):349–54 (18 ref.)
[Arthroscopy—surgical therapy in anterior cruciate ligament rupture] Benedetto KP. **Aktuel Probl Chir Orthop** 1991; 40:77–84 (31 ref.) **(Ger)**

INNERVATION

A sensory role for the cruciate ligaments. Johansson H, et al. **Clin Orthop** 1991 Jul;(268):161–78 (108 ref.)

PHYSIOPATHOLOGY

Dynamics of pathological motion: applied to the anterior cruciate deficient knee. Andriacchi TP. **J Biomech** 1990; 23 Suppl 1:99–105 (42 ref.)

SURGERY

Advances in anterior cruciate ligament surgery. McGuire DA, et al. **Alaska Med** 1990 Jul-Sep;32(3):101–5 (13 ref.)
Does tourniquet use during anterior cruciate ligament surgery interfere with postsurgical recovery of function? A review of the literature. Gutin B, et al. **Arthroscopy** 1991;7(1):52–6 (33 ref.)
Prosthetic anterior cruciate ligament. Friedman MJ. **Clin Sports Med** 1991 Jul;10(3):499–513 (12 ref.)
The use of artificial ligaments in anterior cruciate ligament reconstruction. Guarda E, et al. **Ital J Orthop Traumatol** 1990 Sep;16(3):323–30 (36 ref.)
Aggressive rehabilitation protocol following anterior cruciate ligament reconstruction (bone-patella-bone). Barrett GR, et al. **J Miss State Med Assoc** 1991 Feb;32(2):45–8 (5 ref.)
Prosthetic materials for anterior cruciate ligament reconstruction. Schepsis AA, et al. **Orthop Rev** 1990 Nov; 19(11):984–91 (40 ref.)
The development of anterior ligament prostheses. Implications for treatment of sports people. McFarland EG, et al. **Sports Med** 1990 Dec;10(6):405–13 (52 ref.)

TRANSPLANTATION

Allograft reconstruction of the anterior cruciate ligament. Meyers JF. **Clin Sports Med** 1991 Jul;10(3):487–98 (22 ref.)
Anterior cruciate ligament reconstruction with autografts. Paulos LE, et al. **Clin Sports Med** 1991 Jul;10(3):469–85 (10 ref.)

ANTERIOR EYE SEGMENT

PHYSIOPATHOLOGY

Review: mediation of the ocular response to injury. Unger WG. **J Ocul Pharmacol** 1990 Winter;6(4):337–53 (172 ref.)

SURGERY

Anterior segment laser surgery: basics. Fernández-Bahamonde JL. **Bol Asoc Med P R** 1990 Dec; 82(12):528–30 (4 ref.)
The response of the corneal endothelium to intraocular surgery. Liesegang TJ. **Refract Corneal Surg** 1991 Jan-Feb; 7(1):81–6 (21 ref.)

ANTERIOR TIBIAL SYNDROME see **ANTERIOR COMPARTMENT SYNDROME**

ANTHELMINTICS

ADMINISTRATION & DOSAGE

[Establishment of posology: the case of antiparasitic agents] Galtier P. **Ann Rech Vet** 1990;21 Suppl 1:79S–86S (23 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

[Covalently bound residues: the case of anthelmintics] Delatour P, et al. **Ann Rech Vet** 1990;21 Suppl 1:129S–136S (18 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOLOGY

Studies of the mode of action of anthelmintic drugs: tools to investigate the biochemical peculiarities of helminths. Vanden Bossche H. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:99–102 (19 ref.)
The physiology and pharmacology of neuromuscular transmission in the nematode parasite, Ascaris suum. Martin RJ, et al. **Parasitology** 1991;102 Suppl:S41–58 (99 ref.)

THERAPEUTIC USE

Anthelminthic agents: some recent developments and their clinical application. Cook GC. **Postgrad Med J** 1991 Jan; 67(783):16–22 (81 ref.)
[Ways and methods of searching for new anthelmintics] Krotov AI. **Med Parazitol (Mosk)** 1990 May-Jun;(3):52–3 (19 ref.) (Eng. Abstr.) **(Rus)**

ANTHRACENEDIONES see **ANTHRAQUINONES**

ANTHRACYCLINE ANTIBIOTICS see **ANTIBIOTICS, ANTHRACYCLINE**

ANTHRANILIC ACIDS

ADVERSE EFFECTS

[Adverse reactions of immunomodulatory agents] Yamanaka H, et al. **Ryumachi** 1990 Apr;30(2):143–51 (61 ref.) **(Jpn)**

ANTHRAQUINONES

PHARMACOLOGY

The metabolism of anthranoid laxatives. de Witte P, et al. **Hepatogastroenterology** 1990 Dec;37(6):601–5 (67 ref.)

TOXICITY

Dantron (chrysazin; 1,8-dihydroxyanthraquinone). **IARC Monogr Eval Carcinog Risks Hum** 1990;50:265–75 (58 ref.)
Biological reactive intermediates of bisfuranoid mycotoxins. Hsieh DP. **J Toxicol Sci** 1990 Dec;15 Suppl 4:152–8 (24 ref.)

ANTHRAX

EPIDEMIOLOGY

[An anthrax epidemic in Switzerland. Clinical, diagnostic and epidemiological aspects of a mostly forgotten disease] Pfisterer RM. **Schweiz Med Wochenschr** 1991 Jun 1; 121(22):813–25 (99 ref.) (Eng. Abstr.) **(Ger)**

VETERINARY

The monitoring and detection of Bacillus anthracis in the environment. Titball RW, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:9S–18S (52 ref.)

ANTHROPOIDEA

Nonhuman primate models for evaluation of AIDS therapy. McClure HM, et al. **Ann N Y Acad Sci** 1990;616:287–98 (51 ref.)

ANATOMY & HISTOLOGY

The substantia nigra and its relations with the striatum in the monkey. Langer LF, et al. **Prog Brain Res** 1991; 87:81–99 (82 ref.)

GROWTH & DEVELOPMENT

Ontogenetic development of habit and memory formation in primates. Bachevalier J. **Ann N Y Acad Sci** 1990; 608:457–77; discussion 477–84 (64 ref.)

MICROBIOLOGY

The role of monkeys in the biology of dengue and yellow fever. Rodhain F. **Comp Immunol Microbiol Infect Dis** 1991;14(1):9–19 (40 ref.)

PHYSIOLOGY

A critical evaluation of monkey models of amnesia and dementia. Ridley RM, et al. **Brain Res Brain Res Rev** 1991 Jan-Apr;16(1):15-37 (173 ref.)

Cerebral cortical and brainstem areas related to the central control of lens accommodation in cat and monkey. Bando T, et al. **Comp Biochem Physiol [C]** 1991;98(1):229-37 (116 ref.)

Neuronal mechanisms of goal-directed behaviour in monkeys. Batuev AS. **Int J Neurosci** 1989 Jan; 44(1-2):59-66 (29 ref.)

The role of afferent activity in the maintenance of primate neocorticalfunction. Jones EG. **J Exp Biol** 1990 Oct; 153:155-76 (128 ref.)

[The formation of "preverbal" concepts in anthropoids] Khaikin AV. **Zh Evol Biokhim Fiziol** 1990 Nov-Dec; 26(6):837-40 (13 ref.) **(Rus)**

ANTHROPOLOGY

The anthropologist as alcohologist: qualitative perspectives and methods in alcohol research. Gilbert MJ. **Int J Addict** 1990-91;25(2A):127-47; discussion 147-8 (93 ref.)

The efficacy of ethnomedicine: research methods in trouble [see comments] Anderson R. **Med Anthropol** 1991 Jun; 13(1-2):1-17 (67 ref.) Comment in: Med Anthropol 1991 Jun;13(1-2):137-71.

An anthropological perspective on the acceptability of immunization services. Heggenhougen HK, et al. **Scand J Infect Dis Suppl** 1990;76:20-31 (93 ref.)

ANTHROPOLOGY, CULTURAL

see related
ETHNOPSYCHOLOGY

[Medical anthropology] Ingstad B. **Tidsskr Nor Laegeforen** 1991 Jun 20;111(16):1972-5 (17 ref.) (Eng. Abstr.) **(Nor)**

ANTHROPOLOGY, PHYSICAL

see related
ANTHROPOMETRY
BIOMETRY
GENETICS, MEDICAL

[Medical anthropology] Ingstad B. **Tidsskr Nor Laegeforen** 1991 Jun 20;111(16):1972-5 (17 ref.) (Eng. Abstr.) **(Nor)**

ANTHROPOMETRY

Unpredictability of fighter pilot G tolerance using anthropometric and physiologic variables. Webb JT, et al. **Aviat Space Environ Med** 1991 Feb;62(2):128-35 (27 ref.)

Detection of low birth-weight new born babies by anthropometric measurements in Bangladesh. Huque F, et al. **Indian J Pediatr** 1991 Mar-Apr;58(2):223-31 (17 ref.)

[Anthropometric evaluation of nutritional status in children. Procedures, standardization and significance] Flores-Huerta S, et al. **Bol Med Hosp Infant Mex** 1990 Oct;47(10):725-35 (39 ref.) (Eng. Abstr.) **(Spa)**

METHODS

Anthropometry of the elderly: status and recommendations. Kelly PL, et al. **Hum Factors** 1990 Oct;32(5):571-95 (100 ref.)

The meaning and measurement of lean body mass. Roubenoff R, et al. **Nutr Rev** 1991 Jun;49(6):163-75 (63 ref.)

ANTI-RHEUMATIC AGENTS, NON-STEROIDAL see **ANTI-INFLAMMATORY AGENTS, NON-STEROIDAL**

ANTIADRENERGIC AGENTS see **SYMPATHOLYTICS**

ANTIAGGREGANTS, PLATELET see **PLATELET AGGREGATION INHIBITORS**

ANTIANDROGENS see **ANDROGEN ANTAGONISTS**

ANTI-ANTIBODIES see **ANTIBODIES, ANTI-IDIOTYPIC**

ANTI-ANXIETY AGENTS see **TRANQUILIZING AGENTS, MINOR**

ANTI-ARRHYTHMIA AGENTS

KT-362 related effects on intracellular calcium release and associated clinical potential: arrhythmias, myocardial ischemia, and hypertension. Hester RK, et al. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1345-54 (32 ref.)

Managing geriatric arrhythmias, II: Drug selection and use [published erratum appears in Geriatrics 1991 Jun;46(6):100] Lynch RA, et al. **Geriatrics** 1991 Apr; 46(4):41-4, 49-52, 54 (16 ref.)

The oral antiarrhythmic drugs. Podrid PJ, et al. **Prog Drug Res** 1990;35:151-247 (448 ref.)

ADMINISTRATION & DOSAGE

Practical optimisation of antiarrhythmic drug therapy using pharmacokinetic principles. Bauman JL, et al. **Clin Pharmacokinet** 1991 Feb;20(2):151-66 (39 ref.)

[Selection and combination of anti-arrhythmic agents] Fabregat JR. **Arch Inst Cardiol Mex** 1990 Sep-Oct; 60(5):479-84 (31 ref.) (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Encainide--an updated safety profile. Thomis JA. **Cardiovasc Drugs Ther** 1990 Jun;4 Suppl 3:585-94 (19 ref.)

QT-interval prolonging drugs: mechanisms and clinical relevance of their arrhythmogenic hazards. Zehender M, et al. **Cardiovasc Drugs Ther** 1991 Apr;5(2):515-30 (250 ref.)

Toxic effects of drugs used in the ICU. Antiarrhythmic agents. Nolan PE Jr, et al. **Crit Care Clin** 1991 Jul; 7(3):507-20 (66 ref.)

Pharmacologic therapy for arrhythmias: attention to the benefit-risk ratio. Podrid PJ. **J Clin Pharmacol** 1990 Nov; 30(11):975-80 (14 ref.)

Agranulocytosis from antiarrhythmic agents. What to watch for when a medication is first prescribed. Brna TG Jr. **Postgrad Med** 1991 Jan;89(1):181-3, 187-8 (19 ref.)

[Hypoglycemia induced by cibenzoline in the elderly] Houdent C, et al. **Rev Med Interne** 1991 Mar-Apr; 12(2):143-5 (10 ref.) (Eng. Abstr.) **(Fre)**

[Arrhythmogenic effect of anti-arrhythmia drugs] Trusz-Gluza M. **Kardiol Pol** 1991;34(1):41-8 (35 ref.) **(Pol)**

[Comparative characteristics of arrhythmogenic effects of anti-arrhythmia agents] Kurbanov RD. **Kardiologiia** 1991 Feb;31(2):92-5 (4 ref.) **(Rus)**

CLASSIFICATION

Antiarrhythmic drug classifications. A critical appraisal of their history, present status, and clinical relevance. Nattel S. **Drugs** 1991 May;41(5):672-701 (283 ref.)

Significance of classifying antiarrhythmic actions since the cardiac arrhythmia suppression trial. Vaughan Williams EM. **J Clin Pharmacol** 1991 Feb;31(2):123-35 (59 ref.)

[New aspects of frequency-dependent effect of class 1 anti-arrhythmia drugs. A critical analysis of useful subclassification] Weirich J, et al. **Z Kardiol** 1991 Mar; 80(3):177-86 (36 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

[Metabolites of anti-arrhythmia agents, their pharmacodynamics and pharmacokinetics] Adnan Abdalla, et al. **Kardiologiia** 1990 Jun;30(6):122-8 (68 ref.) **(Rus)**

PHARMACOKINETICS

Pharmacokinetic drug interactions between digoxin and antiarrhythmic agents and calcium channel blocking agents: an appraisal of study methodology. Antman EM, et al. **Cardiovasc Drugs Ther** 1987 Aug;1(2):183-9 (64 ref.)

Pharmacokinetics and metabolism of encainide. Jaillon P. **Cardiovasc Drugs Ther** 1990 Jun;4 Suppl 3:561-5 (10 ref.)

Effects of cardiovascular disease on pharmacokinetics. Rodighiero V. **Cardiovasc Drugs Ther** 1989 Oct;3(5):711-30 (168 ref.)

PHARMACOLOGY

Antiarrhythmic drugs. Woosley RL. **Annu Rev Pharmacol Toxicol** 1991;31:427-55 (122 ref.)

Pharmacodynamics of parenteral antiarrhythmic agents. Donnelly AJ. **AORN J** 1991 Jul;54(1):121-5, 128-30 (11 ref.)

Encainide. Antonaccio MJ, et al. **Cardiovasc Drugs Ther** 1989 Oct;3(5):691-710 (83 ref.)

Progress and prospects for optimum antiarrhythmic drug design. Courtney KR. **Cardiovasc Drugs Ther** 1987 Aug; 1(2):117-23 (42 ref.)

In-vitro and in-vivo electrophysiologic effects of encainide. Libersa C, et al. **Cardiovasc Drugs Ther** 1990 Jun;4 Suppl 3:567-72 (6 ref.)

Comparative hemodynamics of antiarrhythmic drugs. Sami M. **Cardiovasc Drugs Ther** 1990 Jun;4 Suppl 3:545-8 (33 ref.)

Channel specificity in antiarrhythmic drug action. Mechanism of potassium channel block and its role in suppressing and aggravating cardiac arrhythmias. Colatsky TJ, et al. **Circulation** 1990 Dec;82(6):2235-42 (61 ref.)

What a clinician needs to know about the mechanisms of action of antiarrhythmic drugs. Janse MJ. **Clin Cardiol** 1991 Jan;14(1):65-7 (5 ref.)

The cardiac sodium channel: a target for antiarrhythmic drug action. Grant AO. **PACE** 1990 Nov;13(11 Pt 2):1541-52 (70 ref.)

Selecting appropriate first-line antiarrhythmic agents: comparative pharmacological profiles. Siddoway LA. **PACE** 1990 Nov;13(11 Pt 2):1488-500 (25 ref.)

Monophasic action potential recordings: evaluation of antiarrhythmic drugs. O'Donoghue S, et al. **Prog Cardiovasc Dis** 1991 Jul-Aug;34(1):1-14 (58 ref.)

[Sotalol. Beta-blockade and class III antiarrhythmic effect] Bjørnstad H, et al. **Tidsskr Nor Laegeforen** 1990 Nov 30; 110(29):3763-5 (17 ref.) **(Nor)**

[Mechanisms of interactions of anti-arrhythmia agents during their combined use] Adnan Abdalla, et al. **Kardiologiia** 1991 Feb;31(2):87-91 (28 ref.) **(Rus)**

[The clinical pharmacology of anti-arrhythmia drugs] Viktorov AP. **Vrach Delo** 1991 Apr;(4):3-9 (21 ref.) **(Rus)**

POISONING

Poisoning due to class IA antiarrhythmic drugs. Quinidine, procainamide and disopyramide. Kim SY, et al. **Drug Saf** 1990 Nov-Dec;5(6):393-420 (186 ref.)

THERAPEUTIC USE

Advantages of beta blockers versus antiarrhythmic agents and calcium antagonists in secondary prevention after myocardial infarction. Singh BN. **Am J Cardiol** 1990 Sep 25;66(9):9C-20C (100 ref.)

Pharmacist's corner. Part I: Antiarrhythmic agents use in the surgical patient. Donnelly AJ. **AORN J** 1991 May; 53(5):1261-6 (8 ref.)

The pharmacologic treatment of atrial fibrillation. Bolognesi R. **Cardiovasc Drugs Ther** 1991 Jun;5(3):617-28 (162 ref.)

Determination of antiarrhythmic drug efficacy in the treatment of ventricular arrhythmias. Morganroth J. **Cardiovasc Drugs Ther** 1990 Jun;4(3):669-73 (14 ref.)

New concepts affecting the use of antiarrhythmic agents. Woosley RL. **Cardiovasc Drugs Ther** 1990 Jun;4 Suppl 3:541-4 (16 ref.)

Do antiarrhythmic drugs work? Some reflections on the implications of the Cardiac Arrhythmia Suppression Trial. Singh BN. **Clin Cardiol** 1990 Oct;13(10):725-8 (27 ref.)

Evaluation and treatment of ventricular arrhythmias: an update. McCollam PL, et al. **Clin Pharm** 1991 Mar; 10(3):195-205 (71 ref.)

When is drug therapy warranted to prevent sudden cardiac death? Singh BN. **Drugs** 1991;41 Suppl 2:24-46 (106 ref.)

Safety of use of antiarrhythmic drugs. Mehta D, et al. **Indian Heart J** 1990 Nov-Dec;42(6):445-50 (57 ref.)

Reassessment of benefit-risk ratio and treatment algorithms for antiarrhythmic drug therapy after the cardiac arrhythmia suppression trial. Anderson JL. **J Clin Pharmacol** 1990 Nov;30(11):981-9 (47 ref.)

Treatment of arrhythmia in patients with heart failure. Gottlieb SS. **PACE** 1990 Nov;13(11 Pt 2):1510-5 (32 ref.)

Pharmacological management of supraventricular tachycardia. Klein GJ, et al. **PACE** 1990 Nov;13(11 Pt 2):1516-24 (17 ref.)

Antiarrhythmic drug therapy: evaluation and modification of treatment. Podrid PJ. **PACE** 1990 Nov;13(11 Pt 2):1501-9 (39 ref.)

Ventricular arrhythmias: risk stratification and approach to therapy after the Cardiac Arrhythmia Suppression Trial (CAST). Prystowsky EN, et al. **PACE** 1990 Nov;13(11 Pt 2):1480-7 (39 ref.)

Programmed stimulation-guided therapy compared with implantable cardioverter defibrillator device therapy in the treatment of ventricular tachyarrhythmias. Troup PJ. **PACE** 1991 Feb;14(2 Pt 2):267-72 (31 ref.)

Potential interactions between antiarrhythmic medication and the automatic implantable cardioverter defibrillator. Gottlieb CD, et al. **PACE Pacing Clin Electrophysiol** 1991 May;14(5 Pt 2):898-904 (41 ref.)

Ventricular arrhythmias. When should they be suppressed? Marcus FI. **Postgrad Med** 1991 Aug;90(2):62-4, 67-9 (11 ref.)

Potentially lethal ventricular arrhythmias. Minimizing the danger. Wood DL. **Postgrad Med** 1990 Nov 1;88(6):65-7, 70-1, 74 (20 ref.)

Arrhythmia suppression in postmyocardial infarction patients with special notation to cardiac arrhythmia suppression trial. Gheorghiade M, et al. **Prog Cardiovasc Dis** 1991 Jan-Feb;33(4):213-8 (31 ref.)

[Can sudden cardiac death be prevented by anti-arrhythmia agents?] Janse MJ. **Ned Tijdschr Geneeskd** 1990 Oct 13; 134(41):1979-82 (24 ref.) **(Dut)**

[Interventional and induction cardioarrhythmology. Electropharmacological intervention] Raviele A. **G Ital Cardiol** 1991 Mar;21(3):293-306 (143 ref.) **(Ita)**

[Combination therapy of antiarrhythmic drugs] Hiejima K. **Kokyu To Junkan** 1990 Aug;38(8):737-45 (53 ref.) **(Jpn)**

ANTI-AUSTRALIA ANTIGENS see **HEPATITIS B ANTIBODIES**

ANTIBIOSIS

Antagonistic effects of lactobacilli and pediococci to control intestinal colonization by human enteropathogens in live poultry. Juven BJ, et al. **J Appl Bacteriol** 1991 Feb; 70(2):95-103 (105 ref.)

ANTIBIOTIC-ASSOCIATED COLITIS see **ENTEROCOLITIS, PSEUDOMEMBRANOUS**

ANTIBIOTIC RESISTANCE see **DRUG RESISTANCE, MICROBIAL**

ANTIBIOTICS

Organic acids: chemistry, antibacterial activity and practical applications. Cherrington CA, et al. **Adv Microb Physiol** 1991;32:87-108 (114 ref.)

Teicoplanin. A review of its antibacterial activity, pharmacokinetic properties and therapeutic potential [published erratum appears in Drugs 1991 May;41(5):716] Campoli-Richards DM, et al. **Drugs** 1990 Sep;40(3):449-86 (217 ref.)

Evaluation of safety and tolerance in clinical trials with antimicrobial agents. Lode H, et al.

Eur J Clin Microbiol Infect Dis 1990 Jul;9(7):530–3 (9 ref.)
Sweeteners, flavorings, and dyes in antibiotic preparations. Kumar A, et al. **Pediatrics** 1991 Mar;87(3):352–60 (44 ref.)
From molecular biology to "genetic antibiotics". Goldsmith MA. **Perspect Biol Med** 1990 Autumn;34(1):99–108 (14 ref.)

ADMINISTRATION & DOSAGE

Injection sites and withdrawal times. Nouws JF.
Ann Rech Vet 1990;21 Suppl 1:145S–150S (12 ref.)
Controlled drug release in periodontics: a review of new therapies. Needleman IG. **Br Dent J** 1991 Jun 8; 170(11):405–8 (43 ref.)
Selective parenteral and enteral antisepsis regimen (SPEAR). Gould IM. **Br J Hosp Med** 1990 Sep;44(3):209–11 (45 ref.)
The case for revision arthroplasty using antibiotic-loaded acrylic cement. Steinbrink K. **Clin Orthop** 1990 Dec; (261):19–22 (14 ref.)
Topical antibiotic therapy: current status and future prospects. Eady EA, et al. **Drugs Exp Clin Res** 1990; 16(8):423–33 (74 ref.)
Urinary tract infection in women. Current role of single-dose therapy. Bump RC. **J Reprod Med** 1990 Aug;35(8):785–91 (40 ref.)
Utilizing vascular prostheses for drug delivery. Greco RS. **J Vasc Surg** 1991 May;13(5):753–5 (10 ref.)
Topical antibiotic irrigation in the prophylaxis of operative wound infections in orthopedic surgery. Dirschl DR, et al. **Orthop Clin North Am** 1991 Jul;22(3):419–26 (45 ref.)
Antibiotic-impregnated beads. Part I: Bead implantation versus systemic therapy. Henry SL, et al. **Orthop Rev** 1991 Mar;20(3):242–7 (78 ref.)
Antibiotic-impregnated beads. Part II: Factors in antibiotic selection. Popham GJ, et al. **Orthop Rev** 1991 Apr; 20(4):331–7 (56 ref.)
Staving off acute otitis media. When is prophylaxis with antibiotics desirable? Bergus GR. **Postgrad Med** 1991 Sep 1;90(3):99–106 (22 ref.)
Home intravenous antibiotic therapy: new technologies. Williams DN. **Recent Results Cancer Res** 1991;121:215–22 (19 ref.)
Parenteral antibiotic therapy for patients in nursing homes. Mulligan T. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 2:S180–3 (23 ref.)
Liposomes and lipid carriers in the treatment of microbial infections. Bakker-Woudenberg IA, et al.
Scand J Infect Dis Suppl 1990;74:34–41 (49 ref.)
Impact of the antibiotic dosage schedule on efficacy in experimental endocarditis. Carbon C.
Scand J Infect Dis Suppl 1990;74:163–72 (38 ref.)
Impact of the antibiotic dosage schedule on efficacy in experimental soft tissue infections. Gerber AU.
Scand J Infect Dis Suppl 1990;74:147–54 (18 ref.)
Impact of the antibiotic dosage schedule on efficacy in experimental lung infections. Roosendaal R, et al.
Scand J Infect Dis Suppl 1990;74:155–62 (17 ref.)
Prediction of antibiotic dosing intervals from in vitro susceptibility, pharmacokinetics and post-antibiotic effect: theoretical considerations. Turnidge JD.
Scand J Infect Dis Suppl 1990;74:137–41 (5 ref.)
Topical and systemic antibiotics: is there a rationale? Noble WC. **Semin Dermatol** 1990 Dec;9(4):250–4 (45 ref.)
[Diagnosis and therapy of acute bacterial infections of the eye] Bialasiewicz AA. **Fortschr Ophthalmol** 1990;87 Suppl:S82–93 (202 ref.) (Eng. Abstr.) **(Ger)**
[Local therapy of the poorly healing wound] Niedner R. **Med Monatsschr Pharm** 1990 Nov;13(11):340–8 (0 ref.) **(Ger)**
[Antibiotic inhalation in cystic fibrosis. A review of the literature] Steinkamp G. **Monatsschr Kinderheilkd** 1991 Feb;139(2):73–80 (32 ref.) (Eng. Abstr.) **(Ger)**
[Preventive use of antibiotics for internal medicine diseases] Zimmerli W. **Ther Umsch** 1991 Apr;48(4):219–24 (17 ref.) (Eng. Abstr.) **(Ger)**
[Bacterial diseases of the skin in general practice] Hübner U, et al. **Z Arztl Fortbild (Jena)** 1990;84(23):1194–7 (8 ref.) **(Ger)**

ADVERSE EFFECTS

Antibiotic prophylaxis in cesarean section. Glick M, et al. **DICP** 1990 Sep;24(9):841–6 (67 ref.)
Antibiotics: potential hazards to male fertility. Schlegel PN, et al. **Fertil Steril** 1991 Feb;55(2):235–42 (41 ref.)
The emergence of antibiotic resistance: myths and facts in clinical practice. Hamilton-Miller JM.
Intensive Care Med 1990;16 Suppl 3:S206–11 (43 ref.)
Toxicities of antimicrobial agents used to treat osteomyelitis. Stiefeld SM, et al. **Orthop Clin North Am** 1991 Jul; 22(3):439–65 (182 ref.)
Allergic and immune reactions. Ellis C. **Practitioner** 1990 Dec;234(1497):1054, 1056, 1058 (4 ref.)
Antibiotics and the elderly. Sanderson P. **Practitioner** 1990 Dec;234(1497):1064–6 (0 ref.)
Antibiotic-associated hypoprothrombinemia: a review of prospective studies, 1966–1988. Shevchuk YM, et al.
Rev Infect Dis 1990 Nov–Dec;12(6):1109–26 (136 ref.)
Update of hepatotoxicity due to classes of drugs in common clinical use: non-steroidal drugs, anti-inflammatory drugs, antibiotics, antihypertensives, and cardiac and psychotropic agents. Zimmerman HJ. **Semin Liver Dis** 1990 Nov; 10(4):322–38 (172 ref.)
[The interaction between antibiotic therapy and contraceptive drugs] Moniaci D, et al.
Minerva Stomatol 1990 Nov;39(11):943–5 (21 ref.) (Eng. Abstr.) **(Ita)**
[THe complications and side effects of antibacterial agents] Sil'vestrov VP, et al. **Ter Arkh** 1990;62(9):16–22 (24 ref.) **(Rus)**

ANALYSIS

Screening of natural products for antimicrobial agents. Silver L, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul; 9(7):455–61 (27 ref.)

BIOSYNTHESIS

Molecular biology of antibiotic production in Bacillus. Nakano MM, et al. **Crit Rev Biotechnol** 1990;10(3):223–40 (138 ref.)
Polyketide synthase complexes: their structure and function in antibiotic biosynthesis. Robinson JA.
Philos Trans R Soc Lond [Biol] 1991 May 29; 332(1263):107–14 (29 ref.)
[The role of propionyl-CoA carboxylase in the biosynthesis of antibiotics] Kirsanov AIu, et al. **Antibiot Khimioter** 1991 Apr;36(4):32–5 (62 ref.) **(Rus)**

CHEMISTRY

Ramoplanin: a review of its discovery and its chemistry. Parenti F, et al. **Drugs Exp Clin Res** 1990;16(9):451–5 (6 ref.)
High-performance liquid chromatography of antibiotics. Jehl F, et al. **J Chromatogr** 1990 Oct 12;531:509–48 (63 ref.)

METABOLISM

Penetration of antibiotics to their target sites. Chopra I.
J Antimicrob Chemother 1990 Nov;26(5):607–9 (12 ref.)
What are antibiotics? Archaic functions for modern activities. Davies J. **Mol Microbiol** 1990 Aug;4(8):1227–32 (41 ref.)
Antibiotic uptake and transport by bacteria. Livermore DM.
Scand J Infect Dis Suppl 1990;74:15–22 (40 ref.)

PHARMACOKINETICS

Significance of tissue levels for prediction of antibiotic efficacy and determination of dosage. Carbon C.
Eur J Clin Microbiol Infect Dis 1990 Jul;9(7):510–6 (42 ref.)
Correlation between pharmacokinetics, pharmacodynamics and efficacy of antibacterial agents in animal models. Dalhoff A, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul; 9(7):479–87 (39 ref.)
Intracellular distribution and activity of antibiotics. Tulkens PM. **Eur J Clin Microbiol Infect Dis** 1991 Feb;10(2):100–6 (36 ref.)
Liposomes and nanoparticles as vehicles for antibiotics. Kreuter J. **Infection** 1991;19 Suppl 4:S224–8 (40 ref.)
Penetration into tissues of various drugs active against gram-positive bacteria. Kropec A, et al.
J Antimicrob Chemother 1991 Apr;27 Suppl B:9–15 (17 ref.)
Antibiotics in general practice. Tissue penetration. Davey P. **Practitioner** 1990 Dec;234(1497):1067–9 (1 ref.)
Pharmacokinetics of antibiotics in tissues and tissue fluids: a review. Cars O. **Scand J Infect Dis Suppl** 1990;74:23–33 (59 ref.)
[From the parenchyma to the mucosa biopsy: significance and importance of local assays of antibiotics. A critical study] Bergogne-Berezin E, et al. **Rev Mal Respir** 1990; 7(6):551–7 (30 ref.) (Eng. Abstr.) **(Fre)**
[Functional and structural aspects of transport of low molecular weight compounds through biological membranes] Nałęcz KA. **Postepy Biochem** 1989; 35(4):437–67 (181 ref.) **(Pol)**
[Pharmacokinetics of antibiotics in malnutrition] Idoipe Tomás A. **Nutr Hosp** 1990 Mar–Apr;5(2):77–84 (10 ref.) (Eng. Abstr.) **(Spa)**

PHARMACOLOGY

Influence of growth rate on susceptibility to antimicrobial agents: modification of the cell envelope and batch and continuous culture studies. Brown MR, et al.
Antimicrob Agents Chemother 1990 Sep;34(9):1623–8 (99 ref.)
Influence of growth rate on susceptibility to antimicrobial agents: biofilms, cell cycle, dormancy, and stringent response. Gilbert P, et al. **Antimicrob Agents Chemother** 1990 Oct;34(10):1865–8 (43 ref.)
Intrapartum antibiotic therapy for suspected intraamniotic infection: impact on the fetus and neonate. Maberry MC, et al. **Clin Obstet Gynecol** 1991 Jun;34(2):345–51 (28 ref.)
Antibiotic resistance among enterococci: current problems and management strategies. Murray BE.
Curr Clin Top Infect Dis 1991;11:94–117 (132 ref.)
The postantibiotic effect: a review of in vitro and in vivo data. Zhanel GG, et al. **DICP** 1991 Feb;25(2):153–63 (86 ref.)
Nasal carriage of MRSA: the role of mupirocin and outlook for resistance. Hill RL, et al. **Drugs Exp Clin Res** 1990; 16(8):397–402 (56 ref.)
European standards for antibiotic susceptibility testing: towards a theoretical consensus. Baquero F.
Eur J Clin Microbiol Infect Dis 1990 Jul;9(7):492–5 (11 ref.)
Effects of anti-infectious agents on polymorphonuclear neutrophils. Labro MT, et al.
Eur J Clin Microbiol Infect Dis 1991 Feb;10(2):124–31 (57 ref.)
Synergy and antagonism of combinations with quinolones. Neu HC. **Eur J Clin Microbiol Infect Dis** 1991 Apr; 10(4):255–61 (55 ref.)
Studies on the ecological impact of antibiotics. Nord CE.
Eur J Clin Microbiol Infect Dis 1990 Jul;9(7):517–8 (4 ref.)
The design of clinical trials with antibiotics. Norrby SR.
Eur J Clin Microbiol Infect Dis 1990 Jul;9(7):523–9 (8 ref.)
Activity of antibiotics against microorganisms ingested by mononuclear phagocytes. van den Broek PJ.
Eur J Clin Microbiol Infect Dis 1991 Feb;10(2):114–8 (42 ref.)
Prospects for standardisation of methods and guidelines for disc susceptibility testing. Williams JD.
Eur J Clin Microbiol Infect Dis 1990 Jul;9(7):496–501 (7 ref.)
Activity of antibiotics against Staphylococcus aureus within polymorphonuclear neutrophils. Yancey RJ, et al.
Eur J Clin Microbiol Infect Dis 1991 Feb;10(2):107–13 (31 ref.)
Animal models as predictors of the safety and efficacy of antibiotics. Zak O, et al.
Eur J Clin Microbiol Infect Dis 1990 Jul;9(7):472–8 (50 ref.)
Musculoskeletal infection, microbial adhesion, and antibiotic resistance. Gristina AG, et al.
Infect Dis Clin North Am 1990 Sep;4(3):391–408 (52 ref.)
Antibiotics as biological response modifiers. Ritts RE.
J Antimicrob Chemother 1990 Nov;26 Suppl C:31–6 (8 ref.)
Antibiotic pollution from fish farms: effects on aquatic microflora. Austin B. **Microbiol Sci** 1985;2(4):113–7 (16 ref.)
New mechanisms of bacterial resistance to antimicrobial agents. Jacoby GA, et al. **N Engl J Med** 1991 Feb 28; 324(9):601–12 (180 ref.)
The effect of antibiotics on the function of the phagocytic system. Miler I, et al. **Padiatr Grenzgeb** 1990;29(5):377–85 (48 ref.)
Antimicrobial therapy of anaerobic infections, 1991. Sanders CV, et al. **Pharmacotherapy** 1991;11(2 (Pt 2)):72S–79S (57 ref.)
A review of antibiotics. Wood M. **Practitioner** 1990 Dec; 234(1497):1041–4 (2 ref.)
Paradoxical effects of antibiotics. Holm SE, et al.
Scand J Infect Dis Suppl 1990;74:113–7 (23 ref.)
Antibiotic resistance in Europe and the current use of antibiotics in severe pediatric infections. Levy J.
Scand J Infect Dis Suppl 1990;73:23–9 (50 ref.)
Pharmacodynamics of antibiotics in experimental bacterial meningitis—two sides to rapid bacterial killing in the cerebrospinal fluid. Täuber MG, et al.
Scand J Infect Dis Suppl 1990;74:173–8 (35 ref.)
Interactions between antibiotics and phagocytosis in bacterial killing. Van der Auwera P. **Scand J Infect Dis Suppl** 1990; 74:42–8 (43 ref.)
[Mupirocin: pharmacology and therapeutic indications] Geoffray C, et al. **Ann Dermatol Venereol** 1990; 117(10):753–7 (21 ref.) **(Fre)**
[Modern biological methods for evaluating antibiotic activity] Bershtein EM. **Antibiot Khimioter** 1991 Jun;36(6):50–3 (47 ref.) **(Rus)**

THERAPEUTIC USE

Bacteria causing respiratory infections in children and their sensitivity to antibiotics. Stančic MA.
Acta Med Austriaca 1990;17(4):82–4 (20 ref.)
Use of antibiotics during pregnancy. Lynch CM, et al.
Am Fam Physician 1991 Apr;43(4):1365–8 (14 ref.)
Clinical aspects of pelvic inflammatory disease. Morgan RJ.
Am Fam Physician 1991 May;43(5):1725–32 (20 ref.)
The who's and when's of therapy for Helicobacter pylori [editorial] [see comments] Graham DY, et al.
Am J Gastroenterol 1990 Dec;85(12):1552–5 (11 ref.)
Comment in: Am J Gastroenterol 1991 Jul;86(7):924–5.
Antibiotics: the antipyretics of choice? DiNubile MJ.
Am J Med 1990 Dec;89(6):787–8 (21 ref.)
Failure of infection control in intensive care units: can sucralfate improve the situation? Weinstein RA.
Am J Med 1991 Aug 8;91(2A):132S–134S (15 ref.)
New treatments for Chlamydia trachomatis. Jones RB.
Am J Obstet Gynecol 1991 Jun;164(6 Pt 2):1789–93 (35 ref.)
Patient costs for prophylaxis and treatment of obstetric and gynecologic surgical infections. Stein GE.
Am J Obstet Gynecol 1991 May;164(5 Pt 2):1377–80 (29 ref.)
Overview of infectious diseases, Part 2. Acuncius LJ, et al.
Am Pharm 1990 Nov;NS30(11):58–61 (8 ref.)
Prosthetic joint infections. A role for prophylaxis. Blackburn WD Jr, et al. **Arthritis Rheum** 1991 Jan;34(1):110–7 (51 ref.)
Therapeutic review: antibiotic prophylaxis for bacterial endocarditis [published erratum appears in Cent Afr J Med 1990 Jul;36(7):173] Stein M, et al. **Cent Afr J Med** 1990 Mar;36(3):72–5 (10 ref.)
Oral antibiotics for pneumonia. Hampson NB, et al.
Clin Chest Med 1991 Jun;12(2):395–407 (80 ref.)
Continuous activity of significant antibiotics.
Bergogne-Bérézin E. **Clin Ther** 1991 Jan–Feb;13(1):181–8 (32 ref.)
Respiratory tract infections: when is antibiotic therapy

indicated? Lode H. **Clin Ther** 1991 Jan–Feb;13(1):149–56; discussion 148 (20 ref.)
Clinical trials of selective decontamination of the digestive tract: review. Reidy JJ, et al. **Crit Care Med** 1990 Dec; 18(12):1449–56 (38 ref.)
Risk–benefit assessment of drugs used in the treatment of inflammatory bowel disease. Hanauer SB, et al. **Drug Saf** 1991 May–Jun;6(3):192–219 (264 ref.)
Guidelines for drug treatment of male infertility. Haidl G, et al. **Drugs** 1991 Jan;41(1):60–8 (37 ref.)
Antibiotic prophylaxis in hysterectomy and induced abortion. A review of the evidence. Houang ET. **Drugs** 1991 Jan; 41(1):19–37 (102 ref.)
An update on home intravenous antibiotic therapy. Bernstein LH. **Geriatrics** 1991 Jun;46(6):47–54 (14 ref.)
New concepts in managing diabetic foot infections. Leichter SB, et al. **Geriatrics** 1991 May;46(5):24–30 (30 ref.)
Antimicrobial chemotherapy in the intensive care unit. Saravolatz LD. **Henry Ford Hosp Med J** 1991;39(2):126–37 (47 ref.)
Antibiotic therapy of acute bacterial meningitis. Shendurnikar N, et al. **Indian Pediatr** 1990 Oct; 27(10):1139–44 (11 ref.)
Antibiotic therapy for osteomyelitis. Gentry LO. **Infect Dis Clin North Am** 1990 Sep;4(3):485–99 (74 ref.)
General principles of therapy of pyogenic meningitis. Täuber MG, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):661–76 (77 ref.)
Therapeutic activities of antibiotics in listeriosis. Hof H. **Infection** 1991;19 Suppl 4:S229–33 (33 ref.)
Treatment of urinary infection in the elderly. Morgan MG, et al. **Infection** 1990 Nov–Dec;18(6):326–31 (61 ref.)
Antibiotic prophylaxis for dental patients with joint prostheses? A decision analysis. Jacobson JJ, et al. **Int J Technol Assess Health Care** 1990;6(4):569–87 (60 ref.)
Selective decontamination in intensive care practice: a review of clinical experience. Ramsay G, et al. **Intensive Care Med** 1990;16 Suppl 3:S217–23 (51 ref.)
Treatment of sepsis in an intensive care unit. Smith CC. **Intensive Care Med** 1990;16 Suppl 3:S243–7 (42 ref.)
The effects of the rapid strep test on physician management of streptococcal pharyngitis. Bryars CH 3d, et al. **J Am Board Fam Pract** 1991 May–Jun;4(3):139–43 (17 ref.)
Antimicrobial therapy for the elderly patient. Yoshikawa TT. **J Am Geriatr Soc** 1990 Dec;38(12):1353–72 (278 ref.)
Theory, use, and realities of efficacy and food safety of antimicrobial treatment of acute coliform mastitis. Erskine RJ, et al. **J Am Vet Med Assoc** 1991 Mar 15;198(6):980–4 (66 ref.)
Infections due to gram–positive organisms in children: possible role for teicoplanin. Dagan R, et al. **J Antimicrob Chemother** 1991 Apr;27 Suppl B:37–41 (21 ref.)
Continuous versus discontinuous antibiotic therapy: the role of the post–antibiotic effect and other factors. Daikos GK. **J Antimicrob Chemother** 1991 Feb;27(2):157–60 (27 ref.)
A review of the safety profile of teicoplanin. Davey PG, et al. **J Antimicrob Chemother** 1991 Apr;27 Suppl B:69–73 (11 ref.)
Mitral valve prolapse: a review of the syndrome with emphasis on current antibiotic prophylaxis [published erratum appears in J Can Dent Assoc 1991 Jun;57(6):436] Sandor GK, et al. **J Can Dent Assoc** 1991 Apr;57(4):321–5 (24 ref.)
Antibiotic prophylaxis for medical–risk patients. Pallasch TJ, et al. **J Periodontol** 1991 Mar;62(3):227–31 (24 ref.)
Antibiotics and the postburn hypermetabolic response. Waymack JP. **J Trauma** 1990 Dec;30(12 Suppl):S30–3 (24 ref.)
Bovine mastitis—why does antibiotic therapy not always work? An overview. Sandholm M, et al. **J Vet Pharmacol Ther** 1990 Sep;13(3):248–60 (59 ref.)
Preoperative preventive antimicrobial therapy. Neibart E. **Mt Sinai J Med** 1991 Jan;58(1):19–27 (22 ref.)
Update on antimicrobial agents. Walsh ML, et al. **Nurs Clin North Am** 1991 Jun;26(2):341–60 (48 ref.)
Use of corticosteroids in combination with antimicrobial drugs in the treatment of infectious corneal disease [see comments] Stern GA, et al. **Ophthalmology** 1991 Jun; 98(6):847–53 (38 ref.) Comment in: Ophthalmology 1991 Jun;98(6):845–6.
Bacterial resistance. Gentry LO. **Orthop Clin North Am** 1991 Jul;22(3):379–88 (55 ref.)
Choice and duration of antibiotics in open fractures. Wilkins J, et al. **Orthop Clin North Am** 1991 Jul;22(3):433–7 (21 ref.)
Clinical and pharmacokinetic basis for the antimicrobial treatment of acute otitis media. Canafax DM, et al. **Otolaryngol Clin North Am** 1991 Aug;24(4):859–75 (77 ref.)
Respiratory infections and antimicrobial therapy. Saunders WH. **Otolaryngol Clin North Am** 1970 Jun;3(2):303–17 (65 ref.)
Antibiotic treatment of bacterial gastroenteritis. Ashkenazi S, et al. **Pediatr Infect Dis J** 1991 Feb;10(2):140–8 (107 ref.)
Premature rupture of the membranes: intraamniotic infection. Gibbs RS. **Pediatr Infect Dis J** 1990 Oct;9(10):776 (12 ref.)
Current antibacterial therapy for neonatal sepsis and meningitis. Klein JO. **Pediatr Infect Dis J** 1990 Oct; 9(10):783–4 (4 ref.)
Do prophylactic antibiotics prevent meningitis after basilar skull fracture? Rathore MH. **Pediatr Infect Dis J** 1991 Feb; 10(2):87–8 (12 ref.)
Adjuncts to the therapy of bacterial meningitis. Tuomanen E. **Pediatr Infect Dis J** 1990 Oct;9(10):782–3 (24 ref.)
Pharmacotherapy of otitis media. Thoene DE, et al. **Pharmacotherapy** 1991;11(3):212–21 (102 ref.)
New antibiotics. Davies A. **Practitioner** 1990 Dec; 234(1497):1046, 1048, 1051 (4 ref.)
A GP antibiotic formulary. Lightfoot N. **Practitioner** 1990 Dec;234(1497):1060, 1062 (3 ref.)
TWAR and changing respiratory infections. Ridgway G. **Practitioner** 1990 Aug;234(1493):790–2 (7 ref.)
Antibiotics for common infections in the elderly. Cummings DM, et al. **Prim Care** 1990 Dec;17(4):883–903 (70 ref.)
Antibiotic therapy for common infections. Ellison MJ, et al. **Prim Care** 1990 Sep;17(3):521–41 (114 ref.)
Antibiotics and infectious diseases. Liu HH. **Prim Care** 1990 Dec;17(4):745–74 (18 ref.)
Rickettsial infection of the central nervous system: the role of prompt antimicrobial therapy. Shaked Y. **Q J Med** 1991 Apr;79(288):301–6 (50 ref.)
Management of children with occult bacteremia who are treated in the emergency department. Fleisher GR. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 2:S156–9 (8 ref.)
Modern chemotherapy for brucellosis in humans. Hall WH. **Rev Infect Dis** 1990 Nov–Dec;12(6):1060–99 (273 ref.)
Characteristics of the ideal antibiotic for prevention of wound sepsis among military forces in the field. Hell K. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 2:S164–9 (34 ref.)
Inflammatory bowel disease revisited: newer drugs. Hanauer SB. **Scand J Gastroenterol Suppl** 1990;175:97–106 (108 ref.)
Serious infectious complications of midsternotomy: a review of bacteriology and antimicrobial therapy. Siegman–Igra Y, et al. **Scand J Infect Dis** 1990;22(6):633–43 (32 ref.)
Antibiotic prophylaxis in orthopaedic surgery. Court–Brown CM. **Scand J Infect Dis Suppl** 1990;70:74–9 (27 ref.)
Therapeutic intervention of clinical sepsis with intravenous immunoglobulin, white blood cells and antibiotics. Fischer GW, et al. **Scand J Infect Dis Suppl** 1990;73:17–21 (25 ref.)
Antimicrobial prophylaxis in oral surgery. Heimdahl A, et al. **Scand J Infect Dis Suppl** 1990;70:91–101 (65 ref.)
Interaction between antimicrobial consumption and selection of resistant bacterial strains. Moellering RC Jr. **Scand J Infect Dis Suppl** 1990;70:18–24 (32 ref.)
Efficacy and safety of antibiotic treatment in relation to treatment time. Norrby SR. **Scand J Infect Dis Suppl** 1990; 74:262–9 (24 ref.)
Antibiotic prophylaxis of travellers' diarrhoea. Wiström J, et al. **Scand J Infect Dis Suppl** 1990;70:111–29 (131 ref.)
Approach to therapy of respiratory infections in the critical care setting. Pennington JE. **Semin Respir Infect** 1990 Sep; 5(3):226–32 (69 ref.)
Antibiotic choices in surgical intensive care unit patients. Reed RL 2d. **Surg Clin North Am** 1991 Aug;71(4):765–89 (184 ref.)
Diagnosis and treatment of pneumonia in the surgical intensive care unit [published erratum appears in Surg Gynecol Obstet 1991 Apr;172(4):324] Burchard K. **Surg Gynecol Obstet** 1990;171 Suppl:35–40 (15 ref.)
Design and evaluation of clinical trials of antimicrobial agents in surgery. Dellinger EP. **Surg Gynecol Obstet** 1991;172 Suppl:65–72 (42 ref.)
Treatment of bacterial skin and soft tissue infections. File TM Jr, et al. **Surg Gynecol Obstet** 1991;172 Suppl:17–24 (45 ref.)
Pathogenesis and treatment of intra–abdominal infection. Malangoni MA. **Surg Gynecol Obstet** 1990;171 Suppl:31–4 (20 ref.)
Diagnosis and antibiotic treatment of community–acquired pneumonia. Rodnick JE, et al. **West J Med** 1991 Apr; 154(4):405–9 (22 ref.)
[Cerebral nocardiosis cured by repeated stereotaxic punctures and antibiotic therapy] Baylot D, et al. **Presse Med** 1991 Apr 27;20(16):744–6 (10 ref.) (Eng. Abstr.) **(Fre)**
[Randomized therapeutic trials of community–acquired lung diseases. Analysis of studies published between 1978 and 1988] Vercken JB. **Rev Pneumol Clin** 1991;47(1):21–7 (38 ref.) (Eng. Abstr.) **(Fre)**
[Antibiotic therapy—what is certain?] Hansis M. **Aktuel Probl Chir Orthop** 1990;34:28–31 (15 ref.) **(Ger)**
[Progress in oral antibiotic therapy in practice] Pichler HE. **Infection** 1991;19 Suppl 1:S57–60 (13 ref.) (Eng. Abstr.) **(Ger)**
[Progress of antibiotic therapy in pediatrics] Simon C. **Infection** 1991;19 Suppl 1:S61–4 (11 ref.) (Eng. Abstr.) **(Ger)**
[Urinary tract infection in childhood—an overview. 2. Therapy] Misselwitz J, et al. **Kinderarztl Prax** 1991 Mar; 59(3):64–7 (18 ref.) (Eng. Abstr.) **(Ger)**
[Current trends in the therapy of respiratory tract infections] Lode H. **Med Klin** 1990 Nov 15;85(11):661–4 (18 ref.) **(Ger)**
[Antibiotic prevention of bacterial endocarditis] Flückiger U, et al. **Ther Umsch** 1991 Apr;48(4):225–31 (24 ref.) (Eng. Abstr.) **(Ger)**
[Microbiologic diagnosis, antibacterial chemotherapy and prevention in dental care—a review] Handrick W, et al. **Z Arztl Fortbild (Jena)** 1991 Apr 25;85(8):353–8 (57 ref.) **(Ger)**
[Prophylactic antibiotic therapy for children with urinary tract infections] Hershkovitz E, et al. **Harefuah** 1990 Dec 16;119(12):437–41 (48 ref.) **(Heb)**
[Antibiotic prophylaxis for the prevention of infective endocarditis] Rudnicki C, et al. **Harefuah** 1990 Nov 1; 119(9):275–7 (24 ref.) **(Heb)**
[New antibiotics for gynecologic infections] Schlaeffer F, et al. **Harefuah** 1990 Sep;119(5–6):148–50 (29 ref.) **(Heb)**
[Infections in obstetric–gynecologic surgery: chemo–antibiotic prophylaxis and therapy. A bibliographic review] Franchi M, et al. **Ann Ostet Ginecol Med Perinat** 1990 Sep–Oct; 111(5):296–320 (185 ref.) (Eng. Abstr.) **(Ita)**
[Bacterial infections. Progress and new prospects in chemo–antibiotic therapy] Olivieri A, et al. **Clin Ter** 1991 Jan 15;136(1):53–61 (19 ref.) (Eng. Abstr.) **(Ita)**
[Current treatment of bronchopulmonary infections] Durigato S, et al. **G Clin Med** 1990 Jun–Jul;71(6–7):455–62 (41 ref.) **(Ita)**
[New antibacterial agents] Kunii O. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):482–7 (4 ref.) **(Jpn)**
[Errors in antibiotic therapy] Poliak MS. **Antibiot Khimioter** 1990 Aug;35(8):48–51 (22 ref.) **(Rus)**
[Fundamentals of antimicrobial chemotherapy: new data] Sazykin IuO. **Antibiot Khimioter** 1990 Sep;35(9):4–11 (29 ref.) **(Rus)**
[Antibacterial therapy of acute pancreatitis] Egiev VN, et al. **Sov Med** 1991;(1):29–32 (69 ref.) **(Rus)**
[The antibacterial therapy of infectious lung lesions] Martsinovskiĭ VIu, et al. **Ter Arkh** 1990;62(9):8–15 (39 ref.) **(Rus)**
[Current state of the problem of antibiotic therapy of surgical infection in the abdominal cavity] Zubarev PN, et al. **Vestn Khir** 1990 Apr;144(4):145–8 (34 ref.) **(Rus)**
[The antibiotic management of the newborn infant] Brines J, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 38:53–66 (34 ref.) **(Spa)**
[Neonatal systemic candidiasis] Flores Antón B, et al. **An Esp Pediatr** 1990 Dec;33(6):518–22 (20 ref.) (Eng. Abstr.) **(Spa)**
[Studying the levels of endotoxemia in meningococcal sepsis. Its relations to pregnancy and antibiotic treatment] Loscertales Abril M, et al. **An Esp Pediatr** 1991 May; 34(5):355–9 (38 ref.) (Eng. Abstr.) **(Spa)**
[The use of antibiotics in pathology of the lower respiratory tract, lung and pleura] Moreno Martin J. **An Esp Pediatr** 1989 Sep;31 Suppl 38:68–78 (40 ref.) **(Spa)**
[The use of antibiotics in pathology of the upper airways] Navarro González J, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 38:94–102 (50 ref.) **(Spa)**
[Treatment of community–acquired pneumonia] Fernández de Sevilla T, et al. **An Med Interna** 1990 Nov;7 Suppl 2:23–5 (20 ref.) **(Spa)**
[Decision analysis in antibiotic therapy] Calvo MV, et al. **Enferm Infecc Microbiol Clin** 1990 Apr;8(4):199–207 (37 ref.) (Eng. Abstr.) **(Spa)**
[Monotherapy or combined therapy for the treatment of severe infections] Moreno S. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:50–5 (53 ref.) **(Spa)**
[Treatment of Borrelia burgdorferi infection] Oteo JA, et al. **Enferm Infecc Microbiol Clin** 1991 Jan;9(1):52–4 (34 ref.) **(Spa)**
[The use of antimicrobials in renal insufficiency] Pascual J, et al. **Enferm Infecc Microbiol Clin** 1990 Feb;8(2):97–107 (89 ref.) **(Spa)**

ANTIBIOTICS, AMINOGLYCOSIDE

[New antimicrobial agent series XL: arbekacin] Niijima T. **Jpn J Antibiot** 1991 Jul;44(7):705–17 (34 ref.) **(Jpn)**

ADMINISTRATION & DOSAGE

Once–daily aminoglycoside therapy. Gilbert DN. **Antimicrob Agents Chemother** 1991 Mar;35(3):399–405 (71 ref.)
An updated comparison of drug dosing methods. Part III: Aminoglycoside antibiotics. Erdman SM, et al. **Clin Pharmacokinet** 1991 May;20(5):374–88 (78 ref.)
Impact of dosage schedule of antibiotics on the treatment of serious infections. Bakker–Woudenberg IA, et al. **Intensive Care Med** 1990;16 Suppl 3:S229–34 (39 ref.)
Single daily dose therapy with aminoglycosides. Nordström L, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:117–29 (55 ref.)

ADVERSE EFFECTS

Drug–induced renal toxicity. Help in recognizing offending agents. Farrugia E, et al. **Postgrad Med** 1991 Aug; 90(2):241–4, 247–8 (15 ref.)
Efficacy and safety of aminoglycosides once–a–day: experimental and clinical data. Tulkens PM. **Scand J Infect Dis Suppl** 1990;74:249–57 (50 ref.)
Aminoglycosides: assessing the potential for nephrotoxicity. Wilson SE. **Surg Gynecol Obstet** 1990;171 Suppl:24–30 (17 ref.)
[Early detection of the nephrotoxic effect of aminoglycosides] Tenerowicz R, et al. **Przegl Lek** 1990; 47(7):565–7 (0 ref.) **(Pol)**

PHARMACOKINETICS

Clinical pharmacokinetics of antibacterial drugs in neonates. Paap CM, et al. **Clin Pharmacokinet** 1990 Oct;19(4):280–318

(175 ref.)
Antibiotic permeation through the bacterial outer membrane. Georgopapadakou NH. **J Chemother** 1990 Oct;2(5):275–9 (55 ref.)
Comparative pharmacokinetics of aminoglycoside antibiotics. Brown SA, et al. **J Vet Pharmacol Ther** 1991 Mar; 14(1):1–35 (220 ref.)
Human pharmacodynamics of beta-lactams, aminoglycosides and their combination. Drusano GL. **Scand J Infect Dis Suppl** 1990;74:235–48 (30 ref.)

PHARMACOLOGY

Resistance to aminoglycosides: the situation in the Federal Republic of Germany. Naber KG, et al. **J Int Med Res** 1990;18 Suppl 4:6D–26D (20 ref.)

THERAPEUTIC USE

Role of glycopeptide antibiotics in the treatment of febrile neutropenic patients. Smith SR, et al. **Br J Haematol** 1990 Dec;76 Suppl 2:54–6 (17 ref.)
Trends in bacterial resistance and implications for treatment of infections. Lima MB, et al. **J Int Med Res** 1990;18 Suppl 4:3D–5D (4 ref.)
[Epidemiologic aspects of enzymatic inactivation of aminoglycoside antibiotics] Taisova AS. **Antibiot Khimioter** 1990 Jul;35(7):52–6 (50 ref.) **(Rus)**

TOXICITY

Aminoglycoside-induced renal phospholipidosis and nephrotoxicity. Laurent G, et al. **Biochem Pharmacol** 1990 Dec 1;40(11):2383–92 (95 ref.)
[Nephrotoxicity of aminoglycosides] Pupek-Musialik D. **Postepy Hig Med Dosw** 1990;44(4–6):255–78 (107 ref.) (Eng. Abstr.) **(Pol)**

ANTIBIOTICS, ANTHRACYCLINE

CHEMICAL SYNTHESIS

[Synthesis and antitumor activity of new analogs of anthracycline antibiotics modified by aglycon] Olsuf'eva EN. **Bioorg Khim** 1990 Nov;16(11):1445–64 (82 ref.) (Eng. Abstr.) **(Rus)**

METABOLISM

Sequence specificity in the binding of anti-tumour anthracyclines to DNA: a success of theory. Pullman B. **Anticancer Drug Des** 1991 May;6(2):95–105 (37 ref.)

PHARMACOLOGY

DNA topoisomerase II as the primary target of anti-tumor anthracyclines. Zunino F, et al. **Anticancer Drug Des** 1990 Nov;5(4):307–17 (50 ref.)
Anthracyclines. Sinha BK, et al. **Cancer Chemother Biol Response Modif** 1990;11:45–57 (43 ref.)
Evidence of the selective alteration of anthracycline activity due to modulation by ICRF-187 (ADR-529). Green MD, et al. **Pharmacol Ther** 1990;48(1):61–9 (76 ref.)

THERAPEUTIC USE

New anthracycline antitumor antibiotics. Muggia FM, et al. **Crit Rev Oncol Hematol** 1991;11(1):43–64 (208 ref.)

TOXICITY

Toxic mechanisms of the heart: a review. Combs AB, et al. **Toxicol Pathol** 1990;18(4 Pt 1):583–96 (184 ref.)

ANTIBIOTICS, ANTIFUNGAL

CHEMISTRY

Rapamycin: FK506's fraternal twin or distant cousin? Morris RE. **Immunol Today** 1991 May;12(5):137–40 (27 ref.)

PHARMACOLOGY

Pharmacology of rapamycin: a new immunosuppressive agent. Chang JY, et al. **Br J Rheumatol** 1991;30 Suppl 2:62–5 (18 ref.)
Preclinical evaluation of a new potent immunosuppressive agent, rapamycin. Kahan BD, et al. **Transplantation** 1991 Aug;52(2):185–91 (48 ref.)

ANTIBIOTICS, ANTINEOPLASTIC

ADVERSE EFFECTS

Systemic allergic contact dermatitis from intravesical instillation of the antitumor antibiotic mitomycin C. de Groot AC, et al. **Contact Dermatitis** 1991 Mar;24(3):201–9 (49 ref.)

PHARMACOLOGY

DNA topoisomerase II as the primary target of anti-tumor anthracyclines. Zunino F, et al. **Anticancer Drug Des** 1990 Nov;5(4):307–17 (50 ref.)
Pharmacology of drugs that alter multidrug resistance in cancer. Ford JM, et al. **Pharmacol Rev** 1990 Sep; 42(3):155–99 (382 ref.)
Evidence of the selective alteration of anthracycline activity due to modulation by ICRF-187 (ADR-529). Green MD, et al. **Pharmacol Ther** 1990;48(1):61–9 (76 ref.)
[Antitumor agents targeting mammalian topoisomerases] Nakano H. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1550–5 (16 ref.) (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Antitumor antibiotics, epipodophyllotoxins, and vinca alkaloids: clinical developments. Brenner DE. **Curr Opin Oncol** 1990 Dec;2(6):1115–8 (16 ref.)
Antitumor antibiotics. Sikic BI. **Curr Opin Oncol** 1989 Dec; 1(2):198–202 (16 ref.)
[New antineoplastic antibiotics. New drugs, new producers and new representatives of the known classes] Viadro MM, et al. **Antibiot Khimioter** 1990 Oct;35(10):52–6 (87 ref.) **(Rus)**
[New antineoplastic antibiotics, new analogs, modifiers of biological reactions and oncogene inhibitors] Viadro MM, et al. **Antibiot Khimioter** 1991 Feb;36(2):44–8 (61 ref.) **(Rus)**

ANTIBIOTICS, BETA-LACTAM see **ANTIBIOTICS, LACTAM**

ANTIBIOTICS, COMBINATION see **ANTIBIOTICS, COMBINED**

ANTIBIOTICS, COMBINED

ADMINISTRATION & DOSAGE

[The treatment of septicemia in childhood using time-spaced administration of antibiotic combinations] Riedl M, et al. **Wien Med Wochenschr** 1991;141(8):172–6 (26 ref.) (Eng. Abstr.) **(Ger)**

PHARMACOLOGY

Pharmacodynamic effects of subinhibitory antibiotic concentrations. Tornqvist IO, et al. **Scand J Infect Dis Suppl** 1990;74:94–101 (50 ref.)

THERAPEUTIC USE

The use of antibiotics in the prevention of post-operative infection: a re-appraisal [see comments] Longman LP, et al. **Br Dent J** 1991 Apr 6;170(7):257–62 (55 ref.) Comment in: Br Dent J 1991 May 25;170(10):365.
Appendicitis in children: current therapeutic recommendations. Neilson IR, et al. **J Pediatr Surg** 1990 Nov;25(11):1113–6 (16 ref.)

ANTIBIOTICS, GLYCOSIDE see **ANTIBIOTICS, AMINOGLYCOSIDE**

ANTIBIOTICS, LACTAM

ADMINISTRATION & DOSAGE

Impact of dosage schedule of antibiotics on the treatment of serious infections. Bakker-Woudenberg IA, et al. **Intensive Care Med** 1990;16 Suppl 3:S229–34 (39 ref.)

ADVERSE EFFECTS

Risk assessment of antibiotic residues of beta-lactams and macrolides in food products with regard to their immuno-allergic potential. Dewdney JM, et al. **Food Chem Toxicol** 1991 Jul;29(7):477–83 (29 ref.)
[Hepatotoxicity of antimicrobial agents. I: Antibacterial antibiotics] Horsmans Y, et al. **Gastroenterol Clin Biol** 1990; 14(12):911–8 (92 ref.) **(Fre)**
[Evaluation of hematologic side effects of anti-infective therapy: agranulocytosis caused by beta-lactam antibiotics, vancomycin and amodiaquine] Eich G, et al. **Infection** 1991; 19 Suppl 1:S33–7 (26 ref.) (Eng. Abstr.) **(Ger)**

ANALYSIS

Mass spectrometry of beta-lactam antibiotics with special reference to ionization by fast atom bombardment (FAB). Casy AF, et al. **J Pharm Biomed Anal** 1989;7(10):1121–57 (22 ref.)

ANTAGONISTS & INHIBITORS

Molecular evolution of ubiquitous beta-lactamases towards extended-spectrum enzymes active against newer beta-lactam antibiotics. Collatz E, et al. **Mol Microbiol** 1990 Oct;4(10):1615–20 (35 ref.)

BIOSYNTHESIS

Genes directly involved in the biosynthesis of beta-lactam antibiotics. Barredo JL, et al. **Microbiologia** 1991 Jun; 7(1):1–12 (68 ref.)

CHEMICAL SYNTHESIS

[Studies on oxacephems, an artificial type of beta-lactam antibiotics] Nagata W, et al. **Yakugaku Zasshi** 1991 Feb; 111(2):77–102 (48 ref.) (Eng. Abstr.) **(Jpn)**

CHEMISTRY

Gamma-lactam analogues of beta-lactam antibiotics. Baldwin JE, et al. **J Antibiot (Tokyo)** 1991 Jan;44(1):1–24 (92 ref.)
[Nontraditional beta-lactam antibiotics] Vanderhaeghe H. **Verh K Acad Geneeskd Belg** 1991;53(1):39–58; discussion 58–9 (75 ref.) (Eng. Abstr.) **(Dut)**

CLASSIFICATION

[Non-traditional beta lactams--carbapenems, penems and monocyclic antibiotics] Nazarov AD, et al. **Antibiot Khimioter** 1991 Apr;36(4):42–7 (44 ref.) **(Rus)**

ISOLATION & PURIFICATION

Screening and separation of beta-lactam antibiotics using protein-engineered enzymes. Wang HY, et al. **Ann N Y Acad Sci** 1990;613:376–84 (20 ref.)

METABOLISM

Catecholic beta-lactams: facilitated transport. Critchley IA. **J Antimicrob Chemother** 1990 Dec;26(6):733–5 (21 ref.)
Evolution of enzymatic mechanisms of resistance among beta-lactam antibiotics. Gutmann L, et al. **J Int Med Res** 1990;18 Suppl 4:37D–47D (33 ref.)

PHARMACOKINETICS

Clinical pharmacokinetics of antibacterial drugs in neonates. Paap CM, et al. **Clin Pharmacokinet** 1990 Oct;19(4):280–318 (175 ref.)
Antibiotic permeation through the bacterial outer membrane. Georgopapadakou NH. **J Chemother** 1990 Oct;2(5):275–9 (55 ref.)
Human pharmacodynamics of beta-lactams, aminoglycosides and their combination. Drusano GL. **Scand J Infect Dis Suppl** 1990;74:235–48 (30 ref.)

PHARMACOLOGY

Remarks on the screening of antibiotics for antibacterial activity. Zak O, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):462–5 (16 ref.)
Impact of antimicrobial agents on human intestinal microflora. Nord CE, et al. **J Chemother** 1990 Aug; 2(4):218–37 (70 ref.)
Overcoming enzymatic resistance in bacteria: impact on future therapy. Labia R, et al. **J Int Med Res** 1990;18 Suppl 4:48D–57D (57 ref.)
Development of clinically important resistance to quinolones and other antibiotic groups. Lode H. **J Int Med Res** 1990; 18 Suppl 4:27D–36D (21 ref.)
An explicit model for bacterial resistance: application to beta-lactam antibiotics. Waley SG. **Microbiol Sci** 1987 May;4(5):143–6 (25 ref.)
Newer beta-lactam agents and the Bacteroides fragilis group. Cuchural GJ Jr. **Pharmacotherapy** 1991;11(2 (Pt 2)):51S–55S (26 ref.)
Evolution of beta-lactamase inhibitors. Rolinson GN. **Surg Gynecol Obstet** 1991;172 Suppl:11–6 (33 ref.)
Beta-lactamase inhibitors and reversal of antibiotic resistance. Sutherland R. **Trends Pharmacol Sci** 1991 Jun;12(6):227–32 (36 ref.)

THERAPEUTIC USE

Antimicrobial prophylaxis in coronary bypass surgery: a critical appraisal. Ariano RE, et al. **DICP** 1991 May; 25(5):478–84 (42 ref.)
Antimicrobial prophylaxis for arthroplasty and total joint replacement: discussion and review of published clinical trials. Heath AF. **Pharmacotherapy** 1991;11(2):157–63 (33 ref.)
Choosing the right antibacterial agent. Is 'newer' always better? Anderson DJ. **Postgrad Med** 1991 Sep 1; 90(3):153–64, 167 (16 ref.)
Role of newer antimicrobial agents in the treatment of mixed aerobic and anaerobic infections. Karam GH, et al. **Surg Gynecol Obstet** 1991;172 Suppl:57–64 (74 ref.)
[Bacterial resistance against beta-lactam antibiotics] Andersen BM. **Tidsskr Nor Laegeforen** 1990 Oct 20; 110(25):3233–9 (52 ref.) (Eng. Abstr.) **(Nor)**
[Beta-lactam antibiotics] Rozmysłowicz T. **Pol Tyg Lek** 1990 Sep 3–10;45(36–37):757–61 (58 ref.) **(Pol)**

TOXICITY

Neurotoxicity of beta-lactam antibiotics: predisposing factors and pathogenesis. Schliamser SE, et al. **J Antimicrob Chemother** 1991 Apr;27(4):405–25 (162 ref.)
Mechanisms of beta-lactam antibiotic nephrotoxicity. Tune BM, et al. **Toxicol Lett** 1990 Sep;53(1–2):81–6 (8 ref.)

ANTIBIOTICS, MACROLIDE

ADVERSE EFFECTS

Risk assessment of antibiotic residues of beta-lactams and macrolides in food products with regard to their immuno-allergic potential. Dewdney JM, et al. **Food Chem Toxicol** 1991 Jul;29(7):477–83 (29 ref.)
[Hepatotoxicity of antimicrobial agents. I: Antibacterial antibiotics] Horsmans Y, et al. **Gastroenterol Clin Biol** 1990; 14(12):911–8 (92 ref.) **(Fre)**

CHEMICAL SYNTHESIS

[Stereoselective synthesis of macrolide and polyether antibiotics] Yonemitsu O. **Yakugaku Zasshi** 1990 Aug; 110(8):523–46 (49 ref.) (Eng. Abstr.) **(Jpn)**

CHEMISTRY

Rapamycin: FK506's fraternal twin or distant cousin? Morris RE. **Immunol Today** 1991 May;12(5):137–40 (27 ref.)

[Stereochemistry and synthesis of polyene macrolide antibiotics] Shenin IuD. **Antibiot Khimioter** 1991 Feb; 36(2):48–51 (69 ref.) **(Rus)**

PHARMACOLOGY

The complications of newer transplant antirejection drugs: treatment with cyclosporin A, OKT3, and FK506. Li PK, et al. **Adverse Drug React Acute Poisoning Rev** 1990 Autumn;9(3):123–55 (199 ref.)

Drug therapy for Helicobacter pylori infection: problems and pitfalls. Glupczynski Y, et al. **Am J Gastroenterol** 1990 Dec; 85(12):1545–51 (55 ref.)

Observations on the mechanism of action of FK-506. A pharmacologic probe of lymphocyte signal transduction. Sigal NH, et al. **Biochem Pharmacol** 1990 Nov 15; 40(10):2201–8 (55 ref.)

Impact of antimicrobial agents on human intestinal microflora. Nord CE, et al. **J Chemother** 1990 Aug; 2(4):218–37 (70 ref.)

FK 506: an immunosuppressant for the 1990s? [published erratum appears in Lancet 1991 Apr 13;337(8746):928] [see comments] Macleod AM, et al. **Lancet** 1991 Jan 5; 337(8732):25–7 (49 ref.) Comment in: Lancet 1991 Feb 16;337(8738):439. Comment in: Lancet 1991 Feb 23;337(8739):499.

Chemistry and biology of the immunophilins and their immunosuppressive ligands. Schreiber SL. **Science** 1991 Jan 18;251(4991):283–7 (57 ref.)

FK506 and rapamycin: novel pharmacological probes of the immune response. Chang JY, et al. **Trends Pharmacol Sci** 1991 Jun;12(6):218–23 (36 ref.)

[FK-506. A new immunosuppressive drug] MacLeod AM, et al. **Medicina (Firenze)** 1990 Jul–Sep;10(3):329–32 (52 ref.) (Eng. Abstr.) **(Ita)**

[FK 506, a new immunosuppressant produced by a Streptomyces] Aoki H. **Nippon Rinsho** 1991 May; 49(5):1163–71 (19 ref.) **(Jpn)**

THERAPEUTIC USE

Notes on FK 506. Starzl TE, et al. **Transplant Proc** 1991 Aug;23(4):2178–9 (10 ref.)

Selected topics on FK 506, with special references to rescue of extrahepatic whole organ grafts, transplantation of "forbidden organs," side effects, mechanisms, and practical pharmacokinetics. Starzl TE, et al. **Transplant Proc** 1991 Feb;23(1 Pt 2):914–9 (24 ref.)

[Current therapy of multiple sclerosis: value of cyclosporin A and FK 506] Hohlfeld R. **Nervenarzt** 1991 Feb; 62(2):136–8 (10 ref.) **(Ger)**

[The role of lincosamide antibiotics in pediatrics] Scholz H, et al. **Z Arztl Fortbild (Jena)** 1990;84(22):1139–43 (19 ref.) **(Ger)**

ANTIBODIES

see related
ANTIGEN-ANTIBODY REACTIONS

Biosensor trends. Receptors, enzymes, and antibodies. Wingard LB Jr. **Ann N Y Acad Sci** 1990;613:44–53 (25 ref.)

Antisperm antibodies. Cropp CS, et al. **Arch Immunol Ther Exp (Warsz)** 1990;38(1–2):31–46 (111 ref.)

Normal and abnormal mucosal antibody mediated immunity. Bjorkander J, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:199–204 (12 ref.)

Antibody-mediated rejection of organ grafts. Whitley D, et al. **Curr Opin Immunol** 1989–90;2(6):864–9 (19 ref.)

Antibodies and their role in interleukin-1 research. Gaffney EV, et al. **Immunol Rev** 1991 Feb;119:181–201 (38 ref.)

Direct labeling with 99mTc. Eckelman WC, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):3–7 (36 ref.)

Recent advances in catalytic antibodies. Scanlon TS, et al. **Philos Trans R Soc Lond [Biol]** 1991 May 29; 332(1263):157–64 (37 ref.)

[Immobilized antibodies in the extracorporeal detoxification of the body] Lopukhin IuM, et al. **Vestn Akad Med Nauk SSSR** 1991;(3):59–62 (50 ref.) **(Rus)**

ANALYSIS

Motor neuropathies and motor neuron disorders: association with antiglycolipid antibodies. Pestronk A, et al. **Adv Neurol** 1991;56:427–32 (23 ref.)

Antibodies as a source of analytical errors. Kohse KP, et al. **J Clin Chem Clin Biochem** 1990 Dec;28(12):881–92 (74 ref.)

Antibody markers in predicting type 1 diabetes: a review. Wilkin TJ. **J R Soc Med** 1990 Oct;83(10):632–6 (52 ref.)

The potential use of a dopamine neuron antibody and a striatal-derived neurotrophic factor as diagnostic markers in Parkinson's disease. Carvey PM, et al. **Neurology** 1991 May;41(5 Suppl 2):53–8; discussion 59–60 (48 ref.)

Antibodies in human tears during and after infection. Friedman MG. **Surv Ophthalmol** 1990 Sep–Oct;35(2):151–7 (63 ref.)

[Antikeratin antibodies in rheumatoid arthritis] Larsen HL. **Ugeskr Laeger** 1991 May 27;153(22):1567–71 (26 ref.) (Eng. Abstr.) **(Dan)**

CEREBROSPINAL FLUID

Organism-specific antibody indices, the cerebrospinal fluid-immunoglobulin index and other tools: a clinician's guide to the etiologic diagnosis of central nervous system infection. Andiman WA. **Pediatr Infect Dis J** 1991 Jul; 10(7):490–5 (29 ref.)

DIAGNOSTIC USE

Use of antibodies in the study of protein structure and function in lung diseases. Miller EJ, et al. **Am J Physiol** 1991 Feb;260(2 Pt 1):L1–12 (137 ref.)

Antibodies to receptors by an auto-anti-idiotypic strategy. Erlanger BF. **Biochem Soc Trans** 1991 Feb;19(1):138–43 (30 ref.)

Antibodies against vertebrate microfilament proteins in the analysis of cellular motility and adhesion. Jockusch BM, et al. **J Cell Sci Suppl** 1991;14:41–7 (20 ref.)

Detection of neuropeptide release in the central nervous system with antibody microprobes. Duggan AW. **J Neurosci Methods** 1990 Sep;34(1–3):47–52 (8 ref.)

GENETICS

Gene technologies for antibody engineering. Winter G. **Behring Inst Mitt** 1990 Dec;(87):10–20 (42 ref.)

Antibody engineering and perspectives in therapy. Lefranc G, et al. **Biochimie** 1990 Sep;72(9):639–51 (74 ref.)

IMMUNOLOGY

Systemic lupus erythematosus: recent developments. Marmont AM, et al. **Ann Ital Med Int** 1988;3 Suppl 1:38–52 (97 ref.)

Myasthenia gravis. Newsom-Davis J. **Ann Ital Med Int** 1988; 3 Suppl 1:32–7 (33 ref.)

The role of IgG subclass antibodies in the clinical response to immunotherapy in allergic disease. Nakagawa T. **Clin Exp Allergy** 1991 May;21(3):289–96 (62 ref.)

Antibodies in the neurology clinic. Steck AJ. **Neurology** 1990 Oct;40(10):1489–92 (51 ref.)

Antiphospholipid antibody syndrome: immunologic and clinical aspects. Sammaritano LR, et al. **Semin Arthritis Rheum** 1990 Oct;20(2):81–96 (206 ref.)

PHYSIOLOGY

Antibodies to neuropeptides: biological effects and mechanisms of action. Tilders FJ, et al. **Adv Exp Med Biol** 1990;274:135–46 (47 ref.)

IgG4 antibodies and their role in asthmatic patients. Halpern GM. **J Asthma** 1989;26(6):345–8 (19 ref.)

ANTIBODIES, ALLOTYPIC see **IMMUNOGLOBULIN ALLOTYPES**

ANTIBODIES, ANTI-DNA see **ANTIBODIES, ANTINUCLEAR**

ANTIBODIES, ANTI-IDIOTYPIC

see related
IMMUNOGLOBULIN IDIOTYPES

ANALYSIS

Diversity of the human immune response to clinically used murine monoclonal antibodies. Courtenay-Luck NS, et al. **Cancer Treat Res** 1990;51:353–62 (48 ref.)

Lupus anticoagulant and anticardiolipin antibodies in pregnancy: a review. I. Immunochemistry and clinical implications. Hadi HA, et al. **Obstet Gynecol Surv** 1990 Nov;45(11):780–5 (36 ref.)

Lupus anticoagulant and anticardiolipin antibodies in pregnancy: a review. II. Diagnosis and management. Hadi HA, et al. **Obstet Gynecol Surv** 1990 Nov;45(11):786–91 (31 ref.)

Repeated intestinal ulcerations in a patient with systemic lupus erythematosus and high serum antiphospholipid antibody levels. Sasamura H, et al. **South Med J** 1991 Apr; 84(4):515–7 (7 ref.)

BIOSYNTHESIS

The antiglobulin response to therapeutic antibodies. Isaacs JD. **Semin Immunol** 1990 Nov;2(6):449–56 (89 ref.)

DIAGNOSTIC USE

Anti-idiotypic antibodies against hormone and neurotransmitter receptors. Couraud PO, et al. **Biochem Soc Trans** 1991 Feb;19(1):147–51 (24 ref.)

Anti-idiotypes used in immunohistochemistry. Wang MW. **Histochem J** 1990 Oct;22(10):519–25 (48 ref.)

Use of anti-idiotypic antibodies as probes for in vitro and in vivo identification of substance P receptor. Couraud JY, et al. **Mol Chem Neuropathol** 1990 Jan;12(1):71–82 (19 ref.)

IMMUNOLOGY

The use of anti-idiotypic antibodies as a strategy for studying glutamate receptors. Duce IR, et al. **Biochem Soc Trans** 1991 Feb;19(1):143–6 (15 ref.)

Antibodies to receptors by an auto-anti-idiotypic strategy. Erlanger BF. **Biochem Soc Trans** 1991 Feb;19(1):138–43 (30 ref.)

Concepts of idiotype-based vaccines for hepatitis B virus and human immunodeficiency virus. Kennedy RC, et al. **Can J Microbiol** 1990 Nov;36(11):811–6 (31 ref.)

Anti-antibody enhancement of tumor imaging. Sharkey RM, et al. **Cancer Treat Res** 1990;51:433–55 (46 ref.)

The physiology of anti-idiotypic interactions: from clonal to paratopic selection. Greally JM. **Clin Immunol Immunopathol** 1991 Jul;60(1):1–12 (67 ref.)

Human anti-DNA idiotype (16/6 idiotype): pathogenic role in autoimmunity. Abu-Shakra M, et al. **Hum Antibodies Hybridomas** 1990;1(1):10–4 (47 ref.)

Anti-metatype antibody reactivity: a model for T-cell receptor recognition. Voss EW Jr. **Immunol Today** 1990 Oct;11(10):355–7 (17 ref.)

Anti-idiotype-based vaccines against biological toxins. Chanh TC, et al. **Toxicol Appl Pharmacol** 1991 Apr; 108(2):183–93 (33 ref.)

[Monoclonal antibodies—their use in the structural and functional studies of proteins] Cierniewski CS. **Acta Physiol Pol** 1989;40 Suppl 34:67–84 (46 ref.) **(Pol)**

[Receptors for biologically active substances in the light of the studies using monoclonal antibodies] Lipski S. **Postepy Hig Med Dosw** 1989;43(2–4):161–97 (128 ref.) (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Anti-idiotypic antibodies: a new generation of vaccines against infectious agents. Zhou EM, et al. **Microbiol Sci** 1987 Feb;4(2):36–40 (42 ref.)

[Active specific immunotherapy of cancer using anti-idiotypic monoclonal antibodies] Castello G, et al. **Clin Ter** 1991 May 15;137(3):155–67 (55 ref.) (Eng. Abstr.) **(Ita)**

ANTIBODIES, ANTINUCLEAR

see related
COLLAGEN DISEASES

The role of anti-DNA idiotype antibodies in systemic lupus erythematosus. Mozes E, et al. **Crit Rev Immunol** 1990; 10(4):329–45 (177 ref.)

ANALYSIS

Maternal autoantibodies and pregnancy—II: The neonatal lupus syndrome. Lee LA. **Baillieres Clin Rheumatol** 1990 Apr;4(1):69–84 (62 ref.)

Antibodies to antinuclear subsets in systemic lupus erythematosus and rheumatoid arthritis. Smolen JS, et al. **Clin Exp Rheumatol** 1990 Jul–Aug;8 Suppl 5:41–4 (23 ref.)

Antinuclear antibodies: detection and diagnostic value. Monier JC. **Int J Rad Appl Instrum [B]** 1990;17(7):713–8 (23 ref.)

Acute autonomic neuropathy associated with a high serum bradykinin level and positive anti-nuclear and anti-DNA antibodies titers. Otokida K, et al. **Jpn J Med** 1990 Sep–Oct; 29(5):560–5 (13 ref.)

[Lupic serology caused by sulfasalazine] Lassoued S, et al. **Rev Rhum Mal Osteoartic** 1991 Jan;58(1):63–5 (22 ref.) **(Fre)**

[Determination of antinuclear antibodies in rheumatic diseases] Endresen GK, et al. **Tidsskr Nor Laegeforen** 1991 Feb 28;111(6):716–9 (15 ref.) (Eng. Abstr.) **(Nor)**

BLOOD

The measurement of anti-DNA activity in the sera of patients with systemic lupus erythematosus: theoretical and practical considerations. Eilat D. **Autoimmunity** 1989; 3(4):299–306 (23 ref.)

CHEMISTRY

Molecular definition of the Ro(SSA) particle(s): a frequent target of autoimmunity in systemic lupus erythematosus and Sjögren's syndrome. Reichlin M. **Br J Rheumatol** 1991; 30 Suppl 1:58–62 (44 ref.)

GENETICS

Anti-DNA antibodies, autoimmunity and the immunoglobulin repertoire. Barrett KJ. **Int Rev Immunol** 1989;5(1):43–78 (218 ref.)

The molecular origin of anti-DNA antibodies. Behar SM, et al. **Int Rev Immunol** 1989;5(1):23–42 (89 ref.)

IMMUNOLOGY

Antinuclear antibodies and disease specificity. Mongey AB, et al. **Adv Intern Med** 1991;36:151–69 (93 ref.)

Systemic lupus erythematosus: recent developments. Marmont AM, et al. **Ann Ital Med Int** 1988;3 Suppl 1:38–52 (97 ref.)

Pathogenesis of anti-Ro/SS-A autoantibody-associated cutaneous lupus erythematosus. Sontheimer RD, et al. **Dermatol Clin** 1990 Oct;8(4):751–8 (62 ref.)

Human anti-DNA idiotype (16/6 idiotype): pathogenic role

in autoimmunity. Abu-Shakra M, et al. **Hum Antibodies Hybridomas** 1990;1(1):10-4 (47 ref.)
Antinuclear antibodies in systemic lupus erythematosus. Provost TT, et al. **Immunol Ser** 1989;46:333-57 (66 ref.)
Pathogenic subsets of antibodies to DNA. Ebling FM, et al. **Int Rev Immunol** 1989;5(1):79-95 (98 ref.)
The specificity of anti-DNA antibodies in systemic lupus erythematosus. Carson DA. **J Immunol** 1991 Jan 1; 146(1):1-2 (14 ref.)
[Autoantibodies and the immunopathological profile of lupus erythematosus] Nikkels AF, et al. **Rev Med Liege** 1991 May;46(5):279-85 (27 ref.) **(Fre)**

ANTIBODIES, BACTERIAL

ANALYSIS

[Streptococci, molecular mimicry and APO titer] Fantini F. **Boll Ist Sieroter Milan** 1989;68(2):108-14 (21 ref.) **(Ita)**
[Determination of anti-mycobacteria antibody titers by ELISA for the early diagnosis of tuberculosis] Toida I, et al. **Kekkaku** 1990 Aug;65(8):545-58 (73 ref.) (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Immunity to Chlamydia psittaci with particular reference to sheep. McCafferty MC. **Vet Microbiol** 1990 Oct;25(1):87-99 (86 ref.)
[Bacterial anti-Ig activity] Del Piano M, et al. **Ann Ig** 1989 Nov-Dec;1(6):1431-43 (34 ref.) (Eng. Abstr.) **(Ita)**

BLOOD

Shigellosis in Vietnam: seroepidemiologic studies with use of lipopolysaccharide antigens in enzyme immunoassays. Lindberg AA, et al. **Rev Infect Dis** 1991 Mar-Apr;13 Suppl 4:S231-7 (23 ref.)
Serologic diagnosis of human brucellosis: analysis of 214 cases by agglutination tests and review of the literature. Young EJ. **Rev Infect Dis** 1991 May-Jun;13(3):359-72 (107 ref.)
[Anti-Borrelia burgdorferi antibodies in chronic erythema migrans, benign lymphadenosis cutis, scleroderma and scleroatrophic lichen] Afa G, et al. **G Ital Dermatol Venereol** 1990 Sep;125(9):369-73 (48 ref.) (Eng. Abstr.) **(Ita)**

CEREBROSPINAL FLUID

Transverse myelitis associated with mycoplasma pneumoniae: case report. Heller L, et al. **Paraplegia** 1990 Oct;28(8):522-5 (16 ref.)

IMMUNOLOGY

Autoantibodies and antibacterial antibodies: from both sides now. Watts RA, et al. **Ann Rheum Dis** 1990 Dec; 49(12):961-5 (73 ref.)
Antibodies to lipopolysaccharides: some diagnostic and protective aspects. Fomsgaard A. **APMIS Suppl** 1990; 18:1-38 (138 ref.)
IgG subclass distribution of antibodies to bacterial and viral antigens. Ferrante A, et al. **Pediatr Infect Dis J** 1990 Aug; 9(8 Suppl):S16-24 (49 ref.)
[IgG subclass antibodies in children of Vallidolid. Low materno-fetal protection] Gutiérrez Diéz FJ, et al. **An Esp Pediatr** 1991 Jan;34(1):19-24 (57 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Specific antibody responses to subgingival plaque bacteria as aids to the diagnosis and prognosis of destructive periodontitis. Wilton JM, et al. **J Clin Periodontol** 1991 Jan;18(1):1-15 (77 ref.)

THERAPEUTIC USE

Anti-lipopolysaccharide antibodies in gram-negative bacteremia. Baumgartner JD. **Behring Inst Mitt** 1991 Feb; (88):216-21 (20 ref.)
Monoclonal anti-endotoxin antibodies for the treatment of gram-negative bacteremia and septic shock. Baumgartner JD. **Eur J Clin Microbiol Infect Dis** 1990 Oct;9(10):711-6 (30 ref.)
Development and potential use of antibody directed against lipopolysaccharide for the treatment of gram-negative bacterial sepsis. Dunn DL. **J Trauma** 1990 Dec;30(12 Suppl):S100-6 (71 ref.)

ANTIBODIES, FUNGAL

ANALYSIS

Humoral immune response to Candida albicans. Jones JM. **Immunol Ser** 1989;47:375-400 (102 ref.)
Humoral response in aspergillosis. Vernes AJ. **Immunol Ser** 1989;47:401-17 (116 ref.)

BIOSYNTHESIS

Recent trends in the immunology of dermatophytosis. Svejgaard E. **Microbiol Sci** 1986 May;3(5):154-9 (38 ref.)

IMMUNOLOGY

Immunological aspects of fungal pathogenesis. Deepe GS, et al. **Eur J Clin Microbiol Infect Dis** 1990 Aug;9(8):567-79 (134 ref.)

ISOLATION & PURIFICATION

[Laboratory diagnosis in deep Candida infections] Michel MF, et al. **Ned Tijdschr Geneeskd** 1991 Jun 29; 135(26):1170-4 (24 ref.) **(Dut)**

ANTIBODIES, HELMINTH

ANALYSIS

New approaches in the diagnosis of Taenia solium cysticercosis and taeniasis. Flisser A, et al. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:95-8 (24 ref.)

BIOSYNTHESIS

Immunology and molecular biology of Echinococcus infections. Lightowlers MW. **Int J Parasitol** 1990 Jul; 20(4):471-8 (70 ref.)

ANTIBODIES, HEPATITIS see **HEPATITIS ANTIBODIES**

ANTIBODIES, HETEROGENETIC see **ANTIBODIES, HETEROPHILE**

ANTIBODIES, HETEROPHILE

IMMUNOLOGY

Natural anti-Gal antibodies prevent, rather than cause, autoimmunity in human Chagas' disease. Gazzinelli RT. **Res Immunol** 1991 Feb;142(2):164-7 (18 ref.)

ANTIBODIES, HETEROTYPIC see **ANTIBODIES, HETEROPHILE**

ANTIBODIES, MONOCLONAL

see related

HYBRIDOMAS

Antibody specificity of the human monoclonal immunoglobulins: the elusive target antigen. Bataille R, et al. **Autoimmunity** 1989;4(3):181-9 (59 ref.)
Monoclonal antibodies as blood grouping reagents. Voak D. **Baillieres Clin Haematol** 1990 Apr;3(2):219-42 (66 ref.)
Monoclonal antibodies and mechanistic studies on recA protein. Shibata T, et al. **Biochimie** 1991 Feb-Mar; 73(2-3):209-17 (54 ref.)
Monoclonal antibody-based plasma assays for fibrin(ogen) and derivatives, and their clinical relevance. Kroneman H, et al. **Blood Coagul Fibrinolysis** 1990 Mar-Apr;1(1):91-111 (200 ref.)
Immunotoxins: selection of cell-surface antigens and their corresponding monoclonal antibodies. Bjorn MJ, et al. **Cancer Treat Res** 1988;37:255-77 (131 ref.)
Monoclonal antibody technology for cyclosporine monitoring. Quesniaux VF. **Clin Biochem** 1991 Feb; 24(1):37-42 (17 ref.)
Tumor markers in cancer of the colon and rectum. Woolfson K. **Dis Colon Rectum** 1991 Jun;34(6):506-11 (47 ref.)
The Monoclonal Antibody Program of the Cuban Institute of Oncology and Radiobiology. Lage A. **Eksp Onkol** 1990; 12(6):26-30, 64 (6 ref.)
Monoclonal antibodies as applied to tumor-associated antigens: the CO17-1A antigen. Ross AH, et al. **Immunol Ser** 1989;43:107-22 (68 ref.)
From laboratory to clinic: the development of an immunological reagent. Bright S, et al. **Immunol Today** 1991 Apr;12(4):130-4 (20 ref.)
Technical challenges associated with the radiolabeling of monoclonal antibodies utilizing short-lived, positron emitting radionuclides. Finn R, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):9-13 (31 ref.)
Enzyme-inhibiting antibodies and immunoglobulin combining site functional perspectives. Petrella RU, et al. **Kurume Med J** 1990;37(4):209-28 (109 ref.)
The use of monoclonal antibodies and limited proteolysis in elucidation of structure-function relationships in proteins. Wilson JE. **Methods Biochem Anal** 1991;35:207-50 (200 ref.)
Monoclonal antibodies in plant virology. Van Regenmortel MH. **Microbiol Sci** 1984 Jun;1(3):73-8 (37 ref.)
Reprogramming the immune system for tolerance with monoclonal antibodies. Cobbold SP, et al. **Semin Immunol** 1990 Nov;2(6):377-87 (47 ref.)
[Advances in the uses of monoclonal antibodies in the field of cardiovascular system] Wang SQ, et al. **Chung Hua Nei Ko Tsa Chih** 1990 Dec;29(12):749-51 (21 ref.) **(Chi)**

ADMINISTRATION & DOSAGE

Antibody-directed enzyme/prodrug therapy (ADEPT). Bagshawe KD. **Biochem Soc Trans** 1990 Oct;18(5):750-2 (28 ref.)
The linkage of cytotoxic drugs to monoclonal antibodies for the treatment of cancer. Pietersz GA. **Bioconjug Chem** 1990 Mar-Apr;1(2):89-95 (74 ref.)
Chimeric antibody: potential applications for drug delivery and immunotherapy. Shin SU. **Biotherapy** 1991;3(1):43-53 (53 ref.)
Intraperitoneal delivery of monoclonal antibodies. Wahl RL. **Cancer Treat Res** 1990;51:123-49 (69 ref.)
Radioimmunotherapy of malignancies. Reilly RM. **Clin Pharm** 1991 May;10(5):359-75 (110 ref.)

ADVERSE EFFECTS

Aseptic meningitis and muromonab-CD3 therapy. Drees C, et al. **DICP** 1991 Feb;25(2):138-9 (19 ref.)
The antiglobulin response to therapeutic antibodies. Isaacs JD. **Semin Immunol** 1990 Nov;2(6):449-56 (89 ref.)

ANALYSIS

Local analysis of HLA class II monoclonal antibodies (mAb) proposed for prescreening for the 11th International Histocompatibility Workshop. Lepage V, et al. **Tissue Antigens** 1991 Jan;37(1):44-8 (2 ref.)
A preliminary analysis of the 11th International Histocompatibility Workshop monoclonal antibodies. Marsh SG, et al. **Tissue Antigens** 1990 Oct;36(4):180-6 (6 ref.)

BIOSYNTHESIS

Production and characterization of monoclonal anti-Rh. Thompson KM, et al. **Baillieres Clin Haematol** 1990 Apr; 3(2):243-53 (44 ref.)
In vitro immunization for the production of human monoclonal antibody. Koda K, et al. **Hum Antibodies Hybridomas** 1990;1(1):15-22 (130 ref.)
Generation of monoclonal antibodies for in vivo approaches. Colnaghi MI. **Int J Rad Appl Instrum [B]** 1991;18(1):15-8 (8 ref.)
Man-made antibodies. Winter G, et al. **Nature** 1991 Jan 24; 349(6307):293-9 (90 ref.)
[Industrial production of monoclonal antibodies] Baron D. **Naturwissenschaften** 1990 Oct;77(10):465-71 (13 ref.) (Eng. Abstr.) **(Ger)**

CHEMISTRY

Newer approaches to the radiolabeling of monoclonal antibodies by use of metal chelates. Gansow OA. **Int J Rad Appl Instrum [B]** 1991;18(4):369-81 (45 ref.)

DIAGNOSTIC USE

Monoclonal antibodies in diagnostic dermatopathology. Cerio R, et al. **Adv Dermatol** 1988;3:123-40 (110 ref.)
Monoclonal antibodies for the detection of thrombosis. Gaffney PJ, et al. **Adv Exp Med Biol** 1990;281:419-27 (39 ref.)
Penetration of tumor tissue by antibodies and other immunoproteins. Shockley TR, et al. **Ann N Y Acad Sci** 1991;618:367-82 (35 ref.)
HMB-45-positive malignant lymphoma. A case report with literature review of aberrant HMB-45 reactivity. Friedman HD, et al. **Arch Pathol Lab Med** 1991 Aug;115(8):826-30 (15 ref.)
Monoclonal antibodies against chondroitin sulphate isomers: their use as probes for investigating proteoglycan metabolism. Caterson B, et al. **Biochem Soc Trans** 1990 Oct;18(5):820-3 (27 ref.)
Monoclonal antibody probes for nicotinic receptors of muscles and nerves. Lindstrom J, et al. **Biochem Soc Trans** 1991 Feb;19(1):115-20 (77 ref.)
The biological approach to radioimmunoscintigraphy. Mansi L, et al. **Biomed Pharmacother** 1990;44(6):295-301 (43 ref.)
The significance of phenotyping leukemias using monoclonal antibodies. Pombo-de-Oliveira MS, et al. **Braz J Med Biol Res** 1990;23(9):763-72 (38 ref.)
Radioimmunology. Imaging and therapy. Larson SM. **Cancer** 1991 Feb 15;67(4 Suppl):1253-60 (58 ref.)
Experimental model systems for antibody targeting and radioimmunodetection. Blumenthal RD, et al. **Cancer Treat Res** 1990;51:29-52 (80 ref.)
Antibody targeting: theoretical considerations. Bradwell A, et al. **Cancer Treat Res** 1990;51:11-25 (38 ref.)
Requirements for the use of radioimmunodetection of cancer in clinical practice. Buraggi G. **Cancer Treat Res** 1990; 51:247-71 (38 ref.)
Chelates and antibodies: current methods and new directions. Gansow OA, et al. **Cancer Treat Res** 1990;51:153-71 (45 ref.)
Clinical radioimmunodetection: the second decade. Goldenberg DM. **Cancer Treat Res** 1990;51:3-9 (50 ref.)
In-vivo antibody imaging for the detection of human tumors. Goldenberg DM, et al. **Cancer Treat Res** 1990;51:273-92 (94 ref.)
Augmentation of tumor antigen expression by recombinant human interferons: enhanced targeting of monoclonal antibodies to carcinomas. Greiner JW, et al. **Cancer Treat Res** 1990;51:413-32 (59 ref.)
Labeling of anti-tumor antibodies and antibody fragments with Tc-99m. Hansen HJ, et al. **Cancer Treat Res** 1990; 51:233-44 (39 ref.)
Radiolabeling antibodies via the cyclic anhydride of DTPA--experiences of 5 years. Hnatowich DJ. **Cancer Treat Res** 1990;51:173-81 (43 ref.)
In-111 monoclonal antibody immunoscintigraphy of colorectal cancer. Lamki LM, et al. **Cancer Treat Res** 1990; 51:293-312 (61 ref.)
Radioimmunoguided surgery: a new intraoperative approach to the detection of tumor. Martin EW Jr, et al.

Cancer Treat Res 1990;51:387–411 (14 ref.)
Optimization of biodistribution by introducing different chemical linkages between antibody and an indium–111 chelate. Quadri SM, et al. **Cancer Treat Res** 1990;51:201–13 (43 ref.)
Physiology of monoclonal antibody accretion by tumors. Sands H, et al. **Cancer Treat Res** 1990;51:97–122 (96 ref.)
Tumor targeting with monoclonal antibody B72.3: experimental and clinical results. Schlom J, et al. **Cancer Treat Res** 1990;51:313–35 (44 ref.)
Preclinical models and methods for the study of radiolabeled monoclonal antibodies in cancer diagnosis and therapy. Shah SA, et al. **Cancer Treat Res** 1990;51:53–96 (142 ref.)
Anti–antibody enhancement of tumor imaging. Sharkey RM, et al. **Cancer Treat Res** 1990;51:433–55 (46 ref.)
Bifunctional chelating agents for radiometal–labeled monoclonal antibodies. Subramanian R, et al. **Cancer Treat Res** 1990;51:183–99 (50 ref.)
Antibody lymphoscintigraphy. Weinstein JN. **Cancer Treat Res** 1990;51:365–85 (50 ref.)
Novel bifunctional linkers for antibody chelation with radiometals. Wu RS. **Cancer Treat Res** 1990;51:215–32 (60 ref.)
Pitfalls in the clinical application of monoclonal antibodies in malignant melanoma: modulation by and impaired accessibility of antigens to monoclonal antibodies. Tilgen W, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):357–71 (45 ref.)
Antimyosin imaging in cardiac transplant rejection. Johnson LL, et al. **Circulation** 1991 Sep;84(3 Suppl):I273–9 (31 ref.)
Radioimmunodetection of chemodectoma by In–111 labeled anti–CEA antibody. Case report and review of the literature. Kairemo KJ, et al. **Clin Nucl Med** 1990 Dec; 15(12):900–3 (29 ref.)
The antibody–linked chelating polymers for nuclear therapy and diagnostics. Torchilin VP, et al. **Crit Rev Ther Drug Carrier Syst** 1991;7(4):275–308 (101 ref.)
Monoclonal antibodies in cancer diagnosis. Natali PG, et al. **Curr Opin Immunol** 1989–90;2(5):697–701 (26 ref.)
Monoclonal antibodies to renal cancer antigens. Bander NH. **Eur Urol** 1990;18 Suppl 2:10–2 (10 ref.)
Monoclonal antibodies to human tumor nucleolar antigens: probes for studying biological function and determining clinical significance. Freeman JW, et al. **Hum Antibodies Hybridomas** 1991 Jan;2(1):4–10 (36 ref.)
Immunodiagnosis of acute nonlymphocytic leukemia. Hurwitz CA, et al. **Immunol Ser** 1990;53:265–87 (126 ref.)
Use of monoclonal antibodies as probes for oncogene products. Niman HL. **Immunol Ser** 1990;53:189–204 (119 ref.)
The clinical status of immunoscintigraphy with monoclonal antibodies in ocular melanoma. Schaling DF, et al. **Int J Biol Markers** 1991 Jan–Mar;6(1):25–30 (44 ref.)
Radioimmunolocalization of pelvic recurrences from rectosigmoid cancer employing 111In anti–CEA F(ab')2. Aprile C, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):51–2 (13 ref.)
Immunoscintigraphy of colorectal carcinoma with an anti–CEA monoclonal antibody: a critical review. Buraggi GL, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):45–50 (29 ref.)
In vivo and in vitro clinical applications of monoclonal antibodies against TAG–72. Colcher D, et al. **Int J Rad Appl Instrum [B]** 1991;18(4):395–401 (46 ref.)
CT–SPECT fusion for analysis of radiolabeled antibodies: applications in gastrointestinal and lung carcinoma. Kramer EL, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):27–42 (49 ref.)
Monoclonal antibodies for radioimmunoscintigraphy of breast cancer. Merino MJ, et al. **Int J Rad Appl Instrum [B]** 1991;18(4):437–43 (108 ref.)
New concepts in monoclonal antibody based radioimmunodiagnosis and radioimmunotherapy of carcinoma. Schlom J, et al. **Int J Rad Appl Instrum [B]** 1991;18(4):425–35 (27 ref.)
Non–tumor applications of radioimmune imaging. Strauss HW, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):127–34 (25 ref.)
Monoclonal antibodies—their diagnostic potential. Haaheim LR. **J Hosp Infect** 1991 Jun;18 Suppl A:443–50 (20 ref.)
Monoclonal antibodies as tools in genetic studies on carbohydrate blood group antigens. Watkins WM. **J Immunogenet** 1990 Aug–Oct;17(4–5):259–76 (86 ref.)
Monoclonal antibodies: their importance to surgeons. Estabrook A, et al. **J Invest Surg** 1989;2(3):211–22 (21 ref.)
Antimyosin cardiac imaging: will it play a role in the detection of doxorubicin cardiotoxicity? [editorial; comment] Jain D, et al. **J Nucl Med** 1990 Dec; 31(12):1970–4 (26 ref.) Comment on: J Nucl Med 1990 Dec;31(12):1965–9.
Mucinic tumor markers recognized by monoclonal antibodies. Seregni E, et al. **J Nucl Med Allied Sci** 1990 Oct–Dec;34(4):314–20 (31 ref.)
Applications of monoclonal antibodies and recombinant cytokines for the treatment of human colorectal and other carcinomas. Greiner JW, et al. **J Surg Oncol Suppl** 1991; 2:9–13 (15 ref.)
Diagnosis of digestive tract cancer using cDNA probe and monoclonal antibody. Imai K. **Jpn J Med** 1990 Nov–Dec; 29(6):659–61 (7 ref.)
Radiolabelled monoclonal antibodies in oncology. I. Technical aspects. Britton KE, et al. **Nucl Med Commun** 1991 Jan;12(1):65–76 (25 ref.)
Radiolabelled monoclonal antibodies in oncology. II. Clinical applications in diagnosis. Granowska M, et al. **Nucl Med Commun** 1991 Feb;12(2):83–98 (40 ref.)
Immunoscintigraphy with 111In antimyosin Fab. Morguet AJ, et al. **Nucl Med Commun** 1990 Nov;11(11):727–35 (46 ref.)
Monoclonal antibody pretargetting techniques for tumour localization: the avidin–biotin system. International Workshop on Techniques for Amplification of Tumour Targetting. Paganelli G, et al. **Nucl Med Commun** 1991 Mar;12(3):211–34 (102 ref.)
Contribution of immunohistochemistry in the diagnosis of neuroendocrine neoplasms of the larynx. Ferlito A, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(4):235–44 (60 ref.)
White blood cell scintigraphy. Problems related to the use of monoclonal antibodies. Locher JT, et al. **Prog Clin Biol Res** 1990;355:327–36 (11 ref.)
Monoclonal antibodies in diagnosis and therapy. Waldmann TA. **Science** 1991 Jun 21;252(5013):1657–62 (54 ref.)
Application of antibodies in the flow cytometric analysis of benign and malignant cells. Beck JL, et al. **Semin Cancer Biol** 1990 Jun;1(3):181–8 (30 ref.)
Ki–67 and other proliferation markers useful for immunohistological diagnostic and prognostic evaluations in human malignancies. Gerdes J. **Semin Cancer Biol** 1990 Jun;1(3):199–206 (51 ref.)
Biological and clinical perspectives of cancer imaging and therapy with radiolabeled antibodies. Goldenberg DM, et al. **Semin Cancer Biol** 1990 Jun;1(3):217–25 (65 ref.)
Use of keratin antibodies in tumor diagnosis. Lane EB, et al. **Semin Cancer Biol** 1990 Jun;1(3):165–79 (137 ref.)
Detection, characterization and tumorigenicity of disseminated tumor cells in human bone marrow. Schlimok G, et al. **Semin Cancer Biol** 1990 Jun;1(3):207–15 (67 ref.)
Immunological detection of activated platelets in clinical disorders. Abrams C, et al. **Thromb Haemost** 1991 May 6;65(5):467–73 (80 ref.)
Monoclonal antibodies for diagnosis and therapy of lymphoproliferative diseases. Campana D, et al. **Turk J Pediatr** 1990 Apr–Jun;32(2):143–51 (40 ref.)
[Conformational changes in lipoproteins containing apo B: significance of monoclonal antibodies] Harduin P, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:25–34 (30 ref.) **(Fre)**
[Immunoscintigraphy of malignant melanoma] Nicol L, et al. **Pathol Biol (Paris)** 1990 Oct;38(8):866–9 (19 ref.) (Eng. Abstr.) **(Fre)**
[Borrelia burgdorferi infection. II. Aspects of basic research, new approaches to diagnosis and therapy] Kramer MD, et al. **Hautarzt** 1991 Feb;42(2):63–71 (27 ref.) (Eng. Abstr.) **(Ger)**
[Possibilities for using monoclonal antibodies in diagnosis and therapy of head and neck cancers. I. Introduction and current state] Wustrow TP. **HNO** 1991 Mar;39(3):82–90 (99 ref.) (Eng. Abstr.) **(Ger)**
[Importance of genetic techniques for diagnosis] Afting EG, et al. **Verh Dtsch Ges Inn Med** 1990;96:431–8 (12 ref.) **(Ger)**
[Immunoscintigraphy in colorectal cancers from the viewpoint of the gastroenterologist] Dippold WG, et al. **Z Gastroenterol** 1990 Dec;28(12):673–7 (70 ref.) (Eng. Abstr.) **(Ger)**
[Use of radiolabeled monoclonal antibodies for diagnostic imaging] Endo K. **Nippon Igaku Hoshasen Gakkai Zasshi** 1990 Aug 25; 50(8):901–9 (12 ref.) (Eng. Abstr.) **(Jpn)**
[Use of monoclonal antibodies for studying cytochrome P–450 forms. Use of interspecies homology of amino acid sequence] Brauze D, et al. **Folia Med Cracov** 1990; 31(3):121–30 (30 ref.) (Eng. Abstr.) **(Pol)**
[Receptors for biologically active substances in the light of the studies using monoclonal antibodies] Lipski S. **Postepy Hig Med Dosw** 1989;43(2–4):161–97 (128 ref.) (Eng. Abstr.) **(Pol)**
[Monoclonal antibodies as tumoritropic radiopharmaceutical preparations for immunolocalization of malignant neoplasms] Tkacheva GA. **Med Radiol (Mosk)** 1991; 36(5):42–9 (89 ref.) **(Rus)**

GENETICS

Construction, function and immunogenicity of recombinant monoclonal antibodies. Brüggemann M, et al. **Behring Inst Mitt** 1990 Dec;(87):21–4 (20 ref.)
Recombinant monoclonal antibodies in tumor therapy. Seemann G, et al. **Behring Inst Mitt** 1990 Dec;(87):33–47 (44 ref.)
Genetically engineered monoclonal antibodies. Clackson TP. **Br J Rheumatol** 1991;30 Suppl 2:36–9 (32 ref.)

IMMUNOLOGY

Motor neuron syndromes and monoclonal IgM antibodies to gangliosides. Steck AJ, et al. **Adv Neurol** 1991;56:421–5 (23 ref.)
Diversity of the human immune response to clinically used murine monoclonal antibodies. Courtenay–Luck NS, et al. **Cancer Treat Res** 1990;51:353–62 (48 ref.)
Monoclonal antibodies, hybridoma technology and heterologous production systems. Hiatt AC. **Curr Opin Immunol** 1991 Apr;3(2):229–32 (19 ref.)
Cancer–associated carbohydrates identified by monoclonal antibodies. Sell S. **Hum Pathol** 1990 Oct;21(10):1003–19 (154 ref.)
Role of CR3 in induced myelomonocytic recruitment: insights from in vivo monoclonal antibody studies in the mouse. Rosen H. **J Leukoc Biol** 1990 Nov;48(5):465–9 (39 ref.)
Complete coding sequence of a human B–raf cDNA and detection of B–raf protein kinase with isozyme specific antibodies. Sithanandam G, et al. **Oncogene** 1990 Dec; 5(12):1775–80 (33 ref.)
[Immunohistology of Hodgkin's disease. Use of monoclonal antibodies in the analysis of the pathomorphology of Hodgkin's disease] Balázs L. **Morphol Igazsagugyi Orv Sz** 1990 Jul;30(3):182–90 (33 ref.) (Eng. Abstr.) **(Hun)**
[Monoclonal antibodies—their use in the structural and functional studies of proteins] Cierniewski CS. **Acta Physiol Pol** 1989;40 Suppl 34:67–84 (46 ref.) **(Pol)**
[Effect of monoclonal antibody against methylcholanthrene–induced cytochrome P–450 forms on benzo(a)pyrene metabolism in hepatic microsomes of C57BL/10 mice] Brauze D, et al. **Folia Med Cracov** 1990; 31(3):139–46 (11 ref.) (Eng. Abstr.) **(Pol)**

PHARMACOLOGY

The complications of newer transplant antirejection drugs: treatment with cyclosporin A, OKT3, and FK506. Li PK, et al. **Adverse Drug React Acute Poisoning Rev** 1990 Autumn;9(3):123–55 (199 ref.)
Muromonab CD–3: a review of its pharmacology, pharmacokinetics, and clinical use in transplantation. Hooks MA, et al. **Pharmacotherapy** 1991;11(1):26–37 (74 ref.)
Monoclonal antibodies to CD3 as immunosuppressants. Chatenoud L, et al. **Semin Immunol** 1990 Nov;2(6):437–47 (83 ref.)
The importance of non–human primates for preclinical testing of immunosuppressive monoclonal antibodies. Jonker M. **Semin Immunol** 1990 Nov;2(6):427–36 (67 ref.)

THERAPEUTIC USE

Monoclonal antibodies in the treatment of endotoxin shock (a review). Sinkovics JG. **Acta Microbiol Hung** 1990; 37(3):247–61 (94 ref.)
The theoretical implications and experimental and clinical results of radiolabeled antiferritin. Order SE. **Acta Oncol** 1990;29(6):689–94 (46 ref.)
Clinical applications of anti–T–cell monoclonal antibodies. Chatenoud L, et al. **Adv Nephrol Necker Hosp** 1991; 20:281–304 (120 ref.)
T–lymphocyte adhesion and immunointervention in transplantation. Fischer A. **Adv Nephrol Necker Hosp** 1991; 20:305–11 (39 ref.)
Modern immunotherapy of cancer. Ravikumar TS, et al. **Adv Surg** 1991;24:41–68 (116 ref.)
Role of monoclonal antibody therapy in the treatment of infectious disease. Chmel H. **Am J Hosp Pharm** 1990 Nov; 47(11 Suppl 3):S11–5 (19 ref.)
Selecting patients for monoclonal antibody therapy. Fant WK. **Am J Hosp Pharm** 1990 Nov;47(11 Suppl 3):S16–9 (17 ref.)
Cellular and molecular approaches to developing human monoclonal antibodies as drugs. Ren EC. **Ann Acad Med Singapore** 1991 Jan;20(1):66–70 (57 ref.)
Monoclonal antibodies to platelet glycoprotein IIb/IIIa as antithrombotic agents. Coller BS, et al. **Ann N Y Acad Sci** 1991;614:193–213 (74 ref.)
Radioimmunotherapy of B–cell lymphoma. Eary JF. **Ann Oncol** 1991 Feb;2 Suppl 2:187–90 (11 ref.)
Recent advances with monoclonal antibody drug targeting for the treatment of human cancer. Koppel GA. **Bioconjug Chem** 1990 Jan–Feb;1(1):13–23 (45 ref.)
Monoclonal antibody treatment of rheumatoid arthritis. Kingsley G. **Br J Rheumatol** 1991;30 Suppl 2:33–5 (19 ref.)
Structure of solid tumors and their vasculature: implications for therapy with monoclonal antibodies. Dvorak HF, et al. **Cancer Cells** 1991 Mar;3(3):77–85 (50 ref.)
Monoclonal antibody therapy of cancer. DiMaggio JJ, et al. **Cancer Chemother Biol Response Modif** 1990;11:177–203 (280 ref.)
B–cell monoclonal antibodies and their use in clinical oncology. Freedman AS, et al. **Cancer Invest** 1991; 9(1):69–84 (144 ref.)
Overview of monoclonal antibodies in the diagnosis and therapy of cancer. Vaickus L, et al. **Cancer Invest** 1991; 9(2):195–209 (67 ref.)
Antibody targeted therapy in cancer: comparison of murine and clinical studies. Begent RH, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):373–8 (31 ref.)
Prospects for the management of non–small–cell carcinoma of the lung with monoclonal antibodies. Stein R, et al. **Chest** 1991 Jun;99(6):1466–76 (94 ref.)
Monoclonal antibody therapy. Chmel H. **Compr Ther** 1990 Aug;16(8):12–6 (12 ref.)
Effect of monoclonal antibodies on primate allograft rejection. Conti DJ, et al. **Crit Rev Immunol** 1990; 10(2):113–30 (120 ref.)
The antibody–linked chelating polymers for nuclear therapy and diagnostics. Torchilin VP, et al. **Crit Rev Ther Drug Carrier Syst** 1991;7(4):275–308 (101

ref.)
Targeting of monoclonal antibodies to tumours. Courtenay-Luck NS, et al. **Curr Opin Immunol** 1989-90; 2(6):880-3 (17 ref.)
Immunosuppression with monoclonal antibodies. Friend PJ. **Curr Opin Immunol** 1989-90;2(6):859-63 (18 ref.)
Monoclonal antibodies in cancer therapy. Mellstedt H. **Curr Opin Immunol** 1989-90;2(5):708-13 (29 ref.)
Monoclonal antibodies and tumor vaccines. Ferrone S. **Curr Opin Oncol** 1990 Dec;2(6):1146-51 (13 ref.)
Monoclonal antibodies for the treatment of cancer: therapeutic strategies. Houghton AN, et al. **Curr Opin Oncol** 1989 Dec;1(2):258-65 (39 ref.)
The potential of biotechnology to improve the quality of life of patients with renal failure. Bloembergen WE, et al. **Drug Saf** 1991 Jan-Feb;6(1):1-7 (56 ref.)
Acute renal allograft rejection: the role of monoclonal antibodies in treatment: experience with orthoclonal anti-T3 cell antibody. McLigeyo SO, et al. **East Afr Med J** 1990 Sep;67(9):667-73 (43 ref.)
Monoclonal anti-endotoxin antibodies for the treatment of gram-negative bacteremia and septic shock. Baumgartner JD. **Eur J Clin Microbiol Infect Dis** 1990 Oct;9(10):711-6 (30 ref.)
Radionuclide therapy revisited. Hoefnagel CA. **Eur J Nucl Med** 1991;18(6):408-31 (203 ref.)
Treatment of murine lymphoma with anti-Thy-1.1 antibodies. Badger CC, et al. **Immunol Ser** 1989;45:515-29 (32 ref.)
Anti-Thy-1 in bone marrow transplantation. Thierfelder S, et al. **Immunol Ser** 1989;45:531-72 (106 ref.)
Treatment of autoimmune disease with monoclonal anti-CD4 antibodies. Waldor MK. **Immunol Ser** 1989;45:573-86 (27 ref.)
New concepts in monoclonal antibody based radioimmunodiagnosis and radioimmunotherapy of carcinoma. Schlom J, et al. **Int J Rad Appl Instrum [B]** 1991;18(4):425-35 (27 ref.)
Redirecting the cellular immune response. Staerz UD, et al. **Int Rev Immunol** 1989 May;4(2):159-73 (62 ref.)
Monoclonal antibody therapy of human cancer: taking the HER2 protooncogene to the clinic. Shepard HM, et al. **J Clin Immunol** 1991 May;11(3):117-27 (35 ref.)
The use of monoclonal antibodies for treatment of autoimmune disease. Steinman L. **J Clin Immunol** 1990 Nov;10(6 Suppl):30S-38S; discussion 38S-39S (21 ref.)
The therapeutic role of interferons and monoclonal antibodies in cutaneous T-cell lymphomas. Bunn PA Jr, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):209S-212S (29 ref.)
Anti-epidermal growth factor receptor monoclonal antibodies as potential anti-cancer agents. Mendelsohn J. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):889-92 (19 ref.)
Development and potential use of antibody directed against lipopolysaccharide for the treatment of gram-negative bacterial sepsis. Dunn DL. **J Trauma** 1990 Dec;30(12 Suppl):S100-6 (71 ref.)
Development of antigen-specific therapies for autoimmune disease. Steinman L. **Mol Biol Med** 1990 Aug;7(4):333-9 (44 ref.)
Monoclonal antibody therapy of cancer. Goldenberg DM, et al. **N J Med** 1990 Nov;87(11 Spec No):913-8 (0 ref.)
Radiolabelled monoclonal antibodies in oncology. III. Radioimmunotherapy. Britton KE, et al. **Nucl Med Commun** 1991 Apr;12(4):333-47 (57 ref.)
The role of OKT3 in clinical transplantation. Norman DJ, et al. **Pediatr Nephrol** 1991 Jan;5(1):130-6 (106 ref.)
Monoclonal antibodies in diagnosis and therapy. Waldmann TA. **Science** 1991 Jun 21;252(5013):1657-62 (54 ref.)
The epidermal growth factor receptor as a target for therapy with antireceptor monoclonal antibodies. Mendelsohn J. **Semin Cancer Biol** 1990 Oct;1(5):339-44 (36 ref.)
Humanisation of monoclonal antibodies for therapy. Gorman SD, et al. **Semin Immunol** 1990 Nov;2(6):457-66 (52 ref.)
CD4 antibody therapy in systemic lupus erythematosus. Wofsy D, et al. **Semin Immunol** 1990 Nov;2(6):419-25 (44 ref.)
[The therapeutic use of monoclonal antibodies] Verhoef J. **Ned Tijdschr Geneeskd** 1991 Apr 20;135(16):694-5 (18 ref.) **(Dut)**
[Possible applications for monoclonal antibodies in diagnosis and therapy of head and neck cancers. II. Future role] Wustrow TP. **HNO** 1991 Apr;39(4):121-8 (39 ref.) (Eng. Abstr.) **(Ger)**
[Monoclonal antibodies and mediators--immunologic tumor therapy] Baron D. **Naturwissenschaften** 1990 Sep; 77(9):405-11 (15 ref.) (Eng. Abstr.) **(Ger)**
[Significance of monoclonal antibodies in diagnosis and therapy of tumors of the central nervous system] Lippitz BE, et al. **Nervenarzt** 1990 Oct;61(10):587-96 (88 ref.) **(Ger)**
[Active specific immunotherapy of cancer using anti-idiotypic monoclonal antibodies] Castello G, et al. **Clin Ter** 1991 May 15;137(3):155-67 (55 ref.) (Eng. Abstr.) **(Ita)**
[New molecular aspects of therapy of small cell carcinoma of the lung] Rokicki W, et al. **Pol Tyg Lek** 1990 Aug 6-13; 45(32-33):680-3 (46 ref.) **(Pol)**
[Immunotoxins] Gedikoğlu S. **Mikrobiyol Bul** 1990 Jan; 24(1):79-87 (21 ref.) (Eng. Abstr.) **(Tur)**

ANTIBODIES, NEOPLASM

DIAGNOSTIC USE

Labeling of anti-tumor antibodies and antibody fragments with Tc-99m. Hansen HJ, et al. **Cancer Treat Res** 1990; 51:233-44 (39 ref.)

IMMUNOLOGY

Radioimmunolocalization of tumours of the pancreas and biliary tree. Allum WH. **Baillieres Clin Gastroenterol** 1990 Dec;4(4):853-67 (63 ref.)

THERAPEUTIC USE

Targeted cellular immunotherapy with bifunctional antibodies. Nelson H. **Cancer Cells** 1991 May;3(5):163-72 (63 ref.)
Melanoma: the development of immunoconjugates from a preclinical viewpoint. Beaumier PL, et al. **Immunol Ser** 1990;53:297-316 (62 ref.)
Current status of radioimmunoglobulins in the treatment of human malignancy. Order SE, et al. **Oncology (Williston Park)** 1989 May;3(5):115-20; discussion 122, 129-30 (26 ref.)

ANTIBODIES, PROTOZOAN

BIOSYNTHESIS

Antibody responses to Plasmodium falciparum and P. vivax sporozoites in areas with stable and unstable malaria. Del Giudice G, et al. **Bull World Health Organ** 1990;68 Suppl:191-6 (32 ref.)
Human immune responses against sexual stages of malaria parasites: considerations for malaria vaccines. Mendis KN, et al. **Int J Parasitol** 1990 Jul;20(4):497-502 (23 ref.)

IMMUNOLOGY

The circumsporozoite protein of Plasmodium: a mechanism of immune evasion by the malaria parasite? Schofield L. **Bull World Health Organ** 1990;68 Suppl:66-73 (51 ref.)

ANTIBODIES, VIRAL

ANALYSIS

Seroepidemiology of human papovaviruses. Discovery of virgin populations and some unusual patterns of antibody prevalence among remote peoples of the world. Brown P, et al. **Am J Epidemiol** 1975 Oct;102(4):331-40 (42 ref.)
Equine infectious anemia: prospects for control. Issel CJ, et al. **Dev Biol Stand** 1990;72:49-57 (25 ref.)
Antibodies to Epstein-Barr virus in patients with chronic fatigue. Matthews DA, et al. **South Med J** 1991 Jul; 84(7):832-40 (71 ref.)
Antigen and antibody detection and update on the diagnosis of dengue. Shope RE. **Southeast Asian J Trop Med Public Health** 1990 Dec; 21(4):642-5 (23 ref.)
[Studies on the development of an ELISA kit for microbiological monitoring of laboratory animals] Takakura A, et al. **Jikken Dobutsu** 1991 Jan;40(1):7-15 (27 ref.) **(Jpn)**

BIOSYNTHESIS

The immune response to influenza vaccines. Ghendon Y. **Acta Virol (Praha)** 1990 May;34(3):295-304 (49 ref.)
Use of combined viral vaccines. Gallili GE. **Adv Biotechnol Processes** 1990;14:147-57 (41 ref.)
Characterization of EIAV immunogenicity during persistent infections: humoral responses and antigen targets. Montelaro RC, et al. **Dev Biol Stand** 1990;72:19-30 (17 ref.)
[Antiviral immunity. Its deficiencies in young children] Sterkers G, et al. **Arch Fr Pediatr** 1991 Mar;48(3):167-70 (12 ref.) **(Fre)**

BLOOD

Laboratory diagnosis of rubella: past, present and future. Cradock-Watson JE. **Epidemiol Infect** 1991 Aug; 107(1):1-15 (82 ref.)
Rubella in Europe. Galazka A. **Epidemiol Infect** 1991 Aug; 107(1):43-54 (41 ref.)
Serologic and immunologic responses in chronic fatigue syndrome with emphasis on the Epstein-Barr virus. Jones JF. **Rev Infect Dis** 1991 Jan-Feb;13 Suppl 1:S26-31 (26 ref.)
Sero-epidemiological and -sociological patterns of herpes simplex virus infection in the world. Nahmias AJ, et al. **Scand J Infect Dis Suppl** 1990;69:19-36 (46 ref.)

IMMUNOLOGY

Insights into neutralization of animal viruses gained from study of influenza virus. Outlaw MC, et al. **Epidemiol Infect** 1991 Apr;106(2):205-20 (56 ref.)
The status of rotavirus vaccines in 1990. Haffejee IE. **J Infect** 1991 Mar;22(2):119-28 (67 ref.)
IgG subclass distribution of antibodies to bacterial and viral antigens. Ferrante A, et al. **Pediatr Infect Dis J** 1990 Aug; 9(8 Suppl):S16-24 (49 ref.)
Secretory antibody response to viral vaccines. Ogra PL, et al. **Prog Med Virol** 1990;37:156-89 (139 ref.)
[General and specific factors of protective reactions in viral infection (facts and hypotheses)] Dubrovina TIa, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):3-7 (49 ref.) (Eng. Abstr.) **(Rus)**
[Formation of target cells in the immunocompetent organ (spleen) of mice with experimental infection caused by influenza A viruses with various properties] Shidlovskaia NK, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):23-7 (24 ref.) (Eng. Abstr.) **(Rus)**

ANTIBODIES, XENOGENEIC see **ANTIBODIES, HETEROPHILE**

ANTIBODY AFFINITY

Antibody affinity measurements. Azimzadeh A, et al. **J Mol Recognit** 1990 Jun;3(3):108-16 (78 ref.)

IMMUNOLOGY

The efficiency of antibody affinity maturation: can the rate of B-cell division be limiting? [see comments] Manser T. **Immunol Today** 1990 Sep;11(9):305-8 (35 ref.) Comment in: Immunol Today 1991 Feb;12(2):93-4.

ANTIBODY AVIDITY see **ANTIBODY AFFINITY**

ANTIBODY BINDING SITES see **BINDING SITES, ANTIBODY**

ANTIBODY DEFICIENCY SYNDROME see **IMMUNOLOGIC DEFICIENCY SYNDROMES**

ANTIBODY-DEPENDENT CELL CYTOTOXICITY

Role of antibody-dependent cellular cytotoxicity in defense against herpes simplex virus infections. Kohl S. **Rev Infect Dis** 1991 Jan-Feb;13(1):108-14 (63 ref.)

ANTIBODY DIVERSITY

Diversity and origin of rheumatologic autoantibodies. Fritzler MJ, et al. **Clin Microbiol Rev** 1991 Jul;4(3):256-69 (145 ref.)
Learning from the immune system: laboratory methods for creating and refining molecular diversity in polypeptides. Wetzel R. **Protein Eng** 1991 Apr;4(4):371-4 (21 ref.)

GENETICS

Human immunoglobulin heavy-chain variable region genes: organization, polymorphism, and expression. Pascual V, et al. **Adv Immunol** 1991;49:1-74 (180 ref.)

ANTIBODY ENZYME TECHNIQUE, UNLABELED see **IMMUNOENZYME TECHNIQUES**

ANTIBODY FORMATION

Mechanisms of action of some immunomodulators used in veterinary medicine. Quinn PJ. **Adv Vet Sci Comp Med** 1990;35:43-99 (174 ref.)
Recent advances in solid-phase peptide synthesis and preparation of antibodies to synthetic peptides. Plaue S, et al. **Biologicals** 1990 Jul;18(3):147-57 (129 ref.)
Role of B cell antigen processing and presentation in the humoral immune response. Myers CD. **FASEB J** 1991 Aug; 5(11):2547-53 (54 ref.)
Neutralization of HIV-1: a paradox of humoral proportions. Nara PL, et al. **FASEB J** 1991 Jul;5(10):2437-55 (111 ref.)
Humoral immunopathological mechanisms in the skin. Jordon RE, et al. **Immunol Ser** 1989;46:109-22 (46 ref.)
Diagnostic evaluation of humoral immunity. Virella G. **Immunol Ser** 1990;50:285-302 (5 ref.)
Humoral immune response. Virella G. **Immunol Ser** 1990; 50:217-37 (8 ref.)
Biosynthesis, metabolism, and biological properties of immunoglobulins. Virella G. **Immunol Ser** 1990;50:93-105 (4 ref.)
The role of IL-10 in crossregulation of TH1 and TH2 responses. Mosmann TR, et al. **Immunol Today** 1991 Mar; 12(3):A49-53 (59 ref.)
Regulation of magnitude of antibody response to bacterial polysaccharide antigens by thymus-derived lymphocytes. Baker PJ. **Infect Immun** 1990 Nov;58(11):3465-8 (37 ref.)
Nutrients and immune responses. Delafuente JC. **Rheum Dis Clin North Am** 1991 May;17(2):203-12 (45 ref.)
Escherichia coli infection in neonates: humoral defense mechanisms. Bortolussi R. **Semin Perinatol** 1990 Aug;14(4 Suppl 1):40-3 (23 ref.)
[Cellular and humoral mechanisms in graft rejection] Blanco A, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 39:123-6 (30 ref.) **(Spa)**

DRUG EFFECTS

Immunological aspects of new quinolones. Shalit I. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):262-6 (27 ref.)
Botanical lipids: potential role in modulation of immunologic responses and inflammatory reactions. Callegari PE, et al. **Rheum Dis Clin North Am** 1991 May;17(2):415-25 (58 ref.)

[Action of non-steroidal anti-inflammatory agents on the immune system] Cortet B, et al. **Rev Rhum Mal Osteoartic** 1991 May;58(5):379–86 (26 ref.) (Eng. Abstr.) **(Fre)**

[Injury to the immune system by food contaminated by environmental toxins] Stickl HA. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):232–40 (10 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

The regulation of antibody responses to antigens of the cell surface: studies with Thy-1 and H-2 antigens. Lake P, et al. **Immunol Ser** 1989;45:367–94 (28 ref.)

The immune complex: possible ways of regulating the antibody response [see comments] Heyman B. **Immunol Today** 1990 Sep;11(9):310–3 (44 ref.) Comment in: Immunol Today 1991 Jan;12(1):46.

Host defense mechanisms in the peritoneal cavity of continuous ambulatory peritoneal dialysis patients. 2. Humoral defenses. Holmes C, et al. **Perit Dial Int** 1991; 11(2):112–7 (31 ref.)

Inducible humoral immunity in insects: does an antibody-like response exist in invertebrates? Karp RD. **Res Immunol** 1990 Nov-Dec;141(9):932–4 (10 ref.)

[Aging and the cutaneous immune system] Souteyrand P, et al. **Rev Fr Gynecol Obstet** 1991 Jun;86(6):455–7 (10 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

The measuring of "respiratory-membrane permeability" and local production of immunoglobulins and antibodies by means of an analysis of sputum. van de Graaf EA, et al. **Agents Actions Suppl** 1990;30:257–67 (27 ref.)

Age-associated changes in antibody-forming cells (B cells). Schulze DH, et al. **Proc Soc Exp Biol Med** 1991 Mar; 196(3):253–9 (77 ref.)

ANTIBODY-PRODUCING CELLS

see related
HEMOLYTIC PLAQUE TECHNIQUE

IMMUNOLOGY

[Immunological aspects of endometriosis] Ishchenko IG. **Akush Ginekol (Mosk)** 1991 Mar;(3):8–12 (68 ref.) **(Rus)**

METABOLISM

[The thioldisulfide system as one of the elements of compensatory mechanisms in influenza] Leont'eva GF, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):40–4 (24 ref.) (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Formation of target cells in the immunocompetent organ (spleen) of mice with experimental infection caused by influenza A viruses with various properties] Shidlovskaia NK, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):23–7 (24 ref.) (Eng. Abstr.) **(Rus)**

ANTIBODY-SECRETING CELLS see **ANTIBODY-PRODUCING CELLS**

ANTIBODY-TOXIN CONJUGATES see **IMMUNOTOXINS**

ANTIBODY-TOXIN HYBRIDS see **IMMUNOTOXINS**

ANTICANCER DRUG COMBINATIONS see **ANTINEOPLASTIC AGENTS, COMBINED**

ANTICANCER DRUG SENSITIVITY TESTS see **DRUG SCREENING ASSAYS, ANTITUMOR**

ANTICHOLESTEREMIC AGENTS

Lowering of plasma cholesterol levels in animals by lovastatin and simvastatin. Chao Y, et al. **Eur J Clin Pharmacol** 1991;40 Suppl 1:S11–4 (11 ref.)

Clinical pharmacology of pravastatin, a selective inhibitor of HMG-CoA reductase. Pan HY. **Eur J Clin Pharmacol** 1991;40 Suppl 1:S15–8 (14 ref.)

ADVERSE EFFECTS

Long-term clinical tolerance of lovastatin and simvastatin. Bilheimer DW. **Cardiology** 1990;77 Suppl 4:58–65 (52 ref.)

PHARMACOLOGY

Simvastatin: a review of its pharmacology and clinical use. Mauro VF, et al. **DICP** 1991 Mar;25(3):257–64 (66 ref.)

Simvastatin. A review of its pharmacological properties and therapeutic potential in hypercholesterolaemia. Todd PA, et al. **Drugs** 1990 Oct;40(4):583–607 (107 ref.)

Pharmacology and mechanism of action of the new HMG-CoA reductase inhibitors. Sirtori CR. **Pharmacol Res** 1990 Sep-Oct;22(5):555–63 (24 ref.)

THERAPEUTIC USE

Lipid-lowering agents in proteinuric diseases. Appel GB, et al. **Am J Nephrol** 1990;10 Suppl 1:110–5 (48 ref.)

Drug intervention trials in dyslipidemia: the past and the future. Dujovne CA. **Clin Cardiol** 1991 Feb;14(2 Suppl 1):I48–52 (14 ref.)

Prevention and regression of atherosclerosis with drug therapy. Superko HR. **Clin Cardiol** 1991 Feb;14(2 Suppl 1):I40–7 (48 ref.)

Clinical implications of new drugs for lowering plasma cholesterol concentrations. Illingworth DR. **Drugs** 1991 Feb;41(2):151–60 (52 ref.)

Platelet reactivity and arachidonic acid metabolism in type II hyperlipoproteinaemia and its modification by cholesterol-lowering agents. Schrör K. **Eicosanoids** 1990; 3(2):67–73 (70 ref.)

Reducing high blood cholesterol level with drugs. Cost-effectiveness of pharmacologic management [see comments] Schulman KA, et al. **JAMA** 1990 Dec 19; 264(23):3025–33 (72 ref.) Comment in: JAMA 1991 Apr 17;265(15):1949–50.

Therapy for hypercholesterolemia. Carter BL, et al. **Prim Care** 1990 Sep;17(3):479–97 (101 ref.)

[Lipid-lowering therapy in the prevention of coronary heart disease] Keller U. **Schweiz Rundsch Med Prax** 1990 Sep 25;79(39):1120–4 (18 ref.) (Eng. Abstr.) **(Ger)**

[Hypercholesterolemia: therapeutic approach] Alessandri C, et al. **Clin Ter** 1991 Jun 30;137(6):373–97 (82 ref.) (Eng. Abstr.) **(Ita)**

ANTICHOLINERGIC AGENTS see **PARASYMPATHOLYTICS**

ANTICHOLINESTERASE AGENTS see **CHOLINESTERASE INHIBITORS**

ANTICIPATORY VOMITING see **VOMITING, ANTICIPATORY**

ANTICOAGULANTS

"Superwarfarin" ingestion. A new problem in covert anticoagulant overdose. Swigar ME, et al. **Gen Hosp Psychiatry** 1990 Sep;12(5):309–12 (7 ref.)

The anticoagulant and antithrombotic properties of hirudins. Märki WE, et al. **Thromb Haemost** 1990 Nov 30;64(3):344–8 (39 ref.)

ADMINISTRATION & DOSAGE

Optimising the dose of oral anticoagulants. Shetty HG, et al. **Ann Acad Med Singapore** 1991 Jan;20(1):161–4 (28 ref.)

[Standardized prothrombin time determinations and optimal anticoagulant therapy] Jespersen J, et al. **Ugeskr Laeger** 1991 Jan 28;153(5):355–60 (20 ref.) (Eng. Abstr.) **(Dan)**

[Lumbar analgesia in patients receiving anticoagulation therapy: pro et contra] Jørgensen LN. **Ugeskr Laeger** 1991 May 20;153(21):1491–4 (30 ref.) (Eng. Abstr.) **(Dan)**

[The surveillance of the anticoagulated patient: a multidisciplinary problem] Palareti G. **G Ital Cardiol** 1990 Jul;20(7):675–83 (40 ref.) **(Ita)**

ADVERSE EFFECTS

Management of the acute abdomen complicating oral anticoagulation therapy. Euhus DM, et al. **Am Surg** 1990 Oct;56(10):581–6 (46 ref.)

Toxic effects of drugs used in the ICU. Anticoagulants and thrombolytics. Risks and benefits. Guidry JR, et al. **Crit Care Clin** 1991 Jul;7(3):533–54 (162 ref.)

Risk-benefit assessment of anticoagulant therapy. Harrington R, et al. **Drug Saf** 1991 Jan-Feb;6(1):54–69 (95 ref.)

The spontaneous spinal epidural hematoma. A study of the etiology. Groen RJ, et al. **J Neurol Sci** 1990 Sep; 98(2–3):121–38 (124 ref.)

[Cutaneous necrosis at the initiation of antivitamin K treatment disclosing hereditary protein C deficiency] Piffoux M, et al. **Rev Pneumol Clin** 1990;46(3):125–7 (8 ref.) (Eng. Abstr.) **(Fre)**

[Heart valve prosthesis, pregnancy and anticoagulant therapy] Castino PM, et al. **Minerva Ginecol** 1991 Jan-Feb; 43(1–2):23–7 (17 ref.) (Eng. Abstr.) **(Ita)**

PHARMACOLOGY

Mode of action of heparin and related drugs. Hemker HC, et al. **Semin Thromb Hemost** 1991;17 Suppl 1:29–34 (35 ref.)

[Heparins and antivitamins K] Langer B. **Rev Paul Med** 1990 Jul-Aug;108(4):183–8 (47 ref.) **(Por)**

THERAPEUTIC USE

Role of new anticoagulants as adjunctive therapy during thrombolysis. Eisenberg PR. **Am J Cardiol** 1991 Jan 25; 67(3):19A–24A (48 ref.)

Integration of anticoagulation, thrombolysis and coronary angioplasty for unstable angina pectoris. Topol EJ. **Am J Cardiol** 1991 Sep 3;68(7):136B–141B (36 ref.)

Anticoagulants in the prevention of venous thromboembolism. Gallus AS. **Baillieres Clin Haematol** 1990 Jul;3(3):651–84 (133 ref.)

Anticoagulant therapy in venous thromboembolism. Hirsh J. **Baillieres Clin Haematol** 1990 Jul;3(3):685–92 (37 ref.)

Clotting factors in tumour tissue: implications for cancer therapy. Zacharski LR, et al. **Blood Coagul Fibrinolysis** 1990 Mar-Apr;1(1):71–8 (79 ref.)

Seminars in thrombosis, thrombolysis, and vascular biology. Part 2: Coagulation and thrombosis. Becker RC. **Cardiology** 1991;78(3):257–66 (60 ref.)

Which role for antiplatelet and anticoagulant drugs in unstable angina pectoris? Lewis HD Jr. **Cardiovasc Drugs Ther** 1988 May;2(1):103–6 (7 ref.)

What is the role of oral anticoagulants and platelet inhibitors in peripheral vascular surgery? Van Urk H, et al. **Eur J Vasc Surg** 1990 Dec;4(6):553–5 (10 ref.)

Atrial fibrillation in the elderly: management update. Jahnigen DW. **Geriatrics** 1990 Nov;45(11):26–9 (13 ref.)

Fifty years of progress with antithrombotic drugs--with much more to come: a perspective. Sherry S. **J Intern Med** 1991 Feb;229(2):113–6 (14 ref.)

Use of anticoagulants in replantation and elective microsurgery. Siegel DB. **Microsurgery** 1991;12(4):277–80 (20 ref.)

Oral anticoagulant drugs. Hirsh J. **N Engl J Med** 1991 Jun 27;324(26):1865–75 (132 ref.)

Thromboembolism prophylaxis. Choosing the proper method for surgical patients. Corapi MJ, et al. **Postgrad Med** 1991 Aug;90(2):233–40 (15 ref.)

[Round table on the treatment of deep venous thrombosis. Review of the international literature] Potron G. **Phlebologie** 1990 Nov-Dec;43(4):637–42 (0 ref.) **(Fre)**

[Anticoagulant or antiplatelet aggregation treatment after aortocoronary bypass] Sagnol P, et al. **Presse Med** 1991 Feb 23;20(7):287–90 (25 ref.) **(Fre)**

[Anticoagulants and antiaggregants in ischemic heart disease] Motolese M. **G Ital Cardiol** 1990 Aug;20(8):746–57 (73 ref.) **(Ita)**

ANTICOCCIDIAL AGENTS see **COCCIDIOSTATS**

ANTICODON

Suppression and the code: beyond codons and anticodons. Murgola EJ. **Experientia** 1990 Dec 1;46(11–12):1134–41 (85 ref.)

ANALYSIS

[Composition and quantities of anticodons in the cell] Yamao F, et al. **Tanpakushitsu Kakusan Koso** 1990 Aug; 35(11):1999–2009 (34 ref.) **(Jpn)**

ANTICONVULSANTS

Anticonvulsant steroids and the GABA/benzodiazepine receptor-chloride ionophore complex. Belelli D, et al. **Neurosci Biobehav Rev** 1990 Fall;14(3):315–22 (66 ref.)

The newer antiepileptic drugs: carbamazepine and valproic acid. Mikati M. **Pediatr Ann** 1991 Jan;20(1):34–40 (17 ref.)

Antiepileptic drugs: historical perspective, current therapy, and clinical investigations. Porter RJ. **Prog Clin Biol Res** 1990;361:1–29 (43 ref.)

ADMINISTRATION & DOSAGE

[Prognosis in infantile epilepsy. Discontinuation of drug therapy] Palencia R. **An Esp Pediatr** 1990 Nov;33 Suppl 43:51–4 (14 ref.) **(Spa)**

ADVERSE EFFECTS

The epidemiology of drug resistant epilepsy and adverse effects of antiepileptic drugs. Chadwick D. **Acta Neurochir Suppl (Wien)** 1990;50:32–7 (21 ref.)

Problems of drug surveillance--an international view. Massarotti M, et al. **Acta Neurochir Suppl (Wien)** 1990; 50:26–31 (52 ref.)

Behavioral effects of antiepileptic drugs. Dodrill CB. **Adv Neurol** 1991;55:213–24 (92 ref.)

Effects of antiepileptic drugs on the developing central nervous system. Ransom BR, et al. **Adv Neurol** 1991; 55:225–37 (57 ref.)

Interictal psychiatric disorders. Neurochemical aspects. Reynolds EH. **Adv Neurol** 1991;55:47–58 (73 ref.)

Cognitive effects of antiepileptic drugs. Smith DB. **Adv Neurol** 1991;55:197–212 (107 ref.)

Anticonvulsants in pregnancy. Meadow R. **Arch Dis Child** 1991 Jan;66(1 Spec No):62–5 (39 ref.)

Convulsive disorders: toxicity of anticonvulsants. Smith MC, et al. **Clin Neuropharmacol** 1991 Apr;14(2):97–115 (92 ref.)

Anticonvulsant drug withdrawal in seizure-free patients. Jenck MA, et al. **Clin Pharm** 1990 Oct;9(10):781–7 (37 ref.)

Toxic effects of drugs used in the ICU. Anticonvulsant agents. Dreifuss FE. **Crit Care Clin** 1991 Jul;7(3):521–32 (56 ref.)

Drug therapy during pregnancy. Niebyl JR. **Curr Opin Obstet Gynecol** 1991 Feb;3(1):24–7 (18 ref.)

Risk-benefit assessment of anticonvulsants in women of child-bearing potential. Cleland PG. **Drug Saf** 1991 Jan-Feb;6(1):70–81 (65 ref.)

[Psychiatric disorders in epilepsy--1: Psychiatric classification] Herzer H, et al. **Z Arztl Fortbild (Jena)** 1990; 84(15):753–5 (41 ref.) **(Ger)**

ANTAGONISTS & INHIBITORS

Modulation of the protective efficacy of common antiepileptic drugs by xanthine derivatives: implications for the clinical use of xanthines in epileptic patients. Czuczwar SJ, et al. **Pharmacol Res** 1990 Nov-Dec;22(6):661–5 (36 ref.)

BLOOD

Analysis of antiepileptic drugs. Kapetanovic IM. **J Chromatogr** 1990 Oct 12;531:421–57 (118 ref.)

PHARMACOKINETICS

Clinical pharmacology of valpromide. Bialer M. **Clin Pharmacokinet** 1991 Feb;20(2):114–22 (75 ref.)
Anti-epileptic drug monitoring: an overview. Wallace SJ. **Dev Med Child Neurol** 1990 Oct;32(10):923–6 (36 ref.)
Pharmacokinetics of antiepileptic drugs. Scheyer RD, et al. **Semin Neurol** 1990 Dec;10(4):414–21 (37 ref.)

PHARMACOLOGY

Antiepileptic drugs, cognitive function, and behavior in children: evidence from recent studies. Trimble MR. **Epilepsia** 1990;31 Suppl 4:S30–4 (37 ref.)
Mechanisms of antiepileptic drug action [see comments] Talwar D. **Pediatr Neurol** 1990 Sep–Oct;6(5):289–95 (72 ref.) Comment in: Pediatr Neurol 1991 Jan–Feb;7(1):72.
Antiepileptic drugs: pharmacological mechanisms and clinical efficacy with consideration of promising developmental stage compounds. Rogawski MA, et al. **Pharmacol Rev** 1990 Sep;42(3):223–86 (840 ref.)
Prescribing in epilepsy. Pirmohamed M. **Practitioner** 1990 Dec;234(1497):1070–2 (8 ref.)
CGP 37849 and CGP 39551: novel competitive N-methyl-D-aspartate receptor antagonists with potent oral anticonvulsant activity. Fagg GE, et al. **Prog Clin Biol Res** 1990;361:421–7 (11 ref.)
Preclinical drug development in the antiepileptic drug development program. A cooperative effort of government and industry. Kupferberg HJ. **Prog Clin Biol Res** 1990; 361:113–30 (19 ref.)
Status of PR 934–423, a novel anticonvulsant targeted for generalized tonic/clonic seizures (new designation is FPL 12924AA). Palmer GC, et al. **Prog Clin Biol Res** 1990; 361:435–41 (13 ref.)
Mechanism-based approaches to anticonvulsant therapy. Post RM, et al. **Prog Clin Biol Res** 1990;361:45–90 (85 ref.)
Novel research strategies for antiepileptic therapy. Rogawski MA, et al. **Prog Clin Biol Res** 1990;361:91–111 (70 ref.)
Cisplatin chemoprotection and rescue: pharmacologic modulation of toxicity. Gandara DR, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):49–55 (32 ref.)

STANDARDS

Generic substitutions for antiepileptic drugs. Nuwer MR, et al. **Neurology** 1990 Nov;40(11):1647–51 (24 ref.)

THERAPEUTIC USE

Posttraumatic epilepsy. Incidence and prophylaxis. Pagni CA. **Acta Neurochir Suppl (Wien)** 1990;50:38–47 (48 ref.)
Antiepileptic drugs in affective illness. Clinical and theoretical implications. Post RM, et al. **Adv Neurol** 1991; 55:239–77 (207 ref.)
Convulsive disorders: status epilepticus. Bleck TP. **Clin Neuropharmacol** 1991 Jun;14(3):191–8 (16 ref.)
Current issues in the treatment of epilepsy [published erratum appears in Clin Pharm 1991 Jul;10(7):501] Pugh CB, et al. **Clin Pharm** 1991 May;10(5):335–58 (317 ref.)
Status epilepticus. II: Treatment. Brown JK, et al. **Dev Med Child Neurol** 1991 Feb;33(2):97–109 (31 ref.)
Anticonvulsants in pregnancy. Kilpatrick CJ, et al. **Med J Aust** 1991 Feb 4;154(3):199–202 (39 ref.)
Mechanism based approaches to anticonvulsant therapies: modulation of inhibitory and excitatory transmission. Meldrum B. **Prog Clin Biol Res** 1990;361:31–43 (38 ref.)
Relationship between anticonvulsant drugs and learning disabilities. Bourgeois BF. **Semin Neurol** 1991 Mar; 11(1):14–9 (38 ref.)
Selection of drugs for the treatment of epilepsy. Mattson RH. **Semin Neurol** 1990 Dec;10(4):406–13 (47 ref.)
[Acute diagnosis and therapy in hypertensive emergencies, pre-eclampsia and eclampsia] Kaulhausen H. **Gynakologe** 1991 Jun;24(3):146–50 (24 ref.) **(Ger)**
[Study group: "Evaluation of the efficacy of therapeutic treatments in epilepsy"] Beghi E, et al. **Epidemiol Prev** 1990 Jun;12(43):21–7 (17 ref.) **(Ita)**
[Chemotherapy of epilepsy (review of foreign literature)] Badalian LO, et al. **Klin Med (Mosk)** 1990 Jul;68(7):10–5 (30 ref.) **(Rus)**
[Therapeutic ranges of anti-epileptic drugs in monotherapy of children] Armijo Simón JA, et al. **An Esp Pediatr** 1991 Jan;34(1):32–42 (81 ref.) (Eng. Abstr.) **(Spa)**

ANTIDEPRESSANTS see **ANTIDEPRESSIVE AGENTS**

ANTIDEPRESSANTS, TRICYCLIC see **ANTIDEPRESSIVE AGENTS, TRICYCLIC**

ANTIDEPRESSIVE AGENTS

Bupropion: overview and prescribing guidelines in depression. James WA, et al. **South Med J** 1991 Feb; 84(2):222–4 (12 ref.)

ADMINISTRATION & DOSAGE

Dosing strategies for antidepressant agents. Schatzberg AF. **J Clin Psychiatry** 1991 May;52 Suppl:14–20 (30 ref.)
Prophylactic treatment of depression: a public health issue. Montgomery SA, et al. **Neuropsychobiology** 1989; 22(4):214–9 (19 ref.)
Antidepressant combination and potentiation. Zajecka JM, et al. **Psychiatr Med** 1991;9(1):55–75 (108 ref.)

ADVERSE EFFECTS

Interaction studies with moclobemide. Zimmer R, et al. **Acta Psychiatr Scand Suppl** 1990;360:84–6 (7 ref.)
Choosing an antidepressant to treat depression. Rand EH. **Am Fam Physician** 1991 Mar;43(3):847–54 (26 ref.)
Adverse effects of antidepressants. Beaumont G. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:61–6 (2 ref.)
Antidepressant adverse drug reactions. Nierenberg AA, et al. **J Clin Psychiatry** 1991 Jun;52 Suppl:40–7 (37 ref.)
Drug-induced dementia. Lowenthal DT, et al. **South Med J** 1991 May;84(5 Suppl 1):S24–31 (57 ref.)
[Pharmacovigilance and 2nd generation antidepressive agents] Guelfi JD. **Encephale** 1991 May–Jun;17 Spec No 1:139–44 (36 ref.) (Eng. Abstr.) **(Fre)**
[The cardiovascular system and antidepressive drugs] Stazi C, et al. **Clin Ter** 1991 Apr 30;137(2):125–35 (29 ref.) (Eng. Abstr.) **(Ita)**

METABOLISM

Binding of some antidepressants to the 5-hydroxytryptamine transporter in brain and platelets. Marcusson JO, et al. **Psychopharmacology (Berl)** 1990;102(2):145–55 (132 ref.)

PHARMACOKINETICS

Depression in the elderly: pharmacokinetics of antidepressants and death from overdose. Montgomery SA. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:67–76 (30 ref.)
Blood level monitoring of antipsychotics and antidepressants. Javaid JI, et al. **Psychiatr Med** 1991;9(1):163–87 (97 ref.)

PHARMACOLOGY

Hypotensive action and weak potentiation of tyramine effect by moclobemide in rats. Da Prada M, et al. **Acta Psychiatr Scand Suppl** 1990;360:106–7 (12 ref.)
Short-lasting and reversible inhibition of monoamine oxidase-A by moclobemide. Da Prada M, et al. **Acta Psychiatr Scand Suppl** 1990;360:103–5 (10 ref.)
Comparison of monoamine oxidase-A inhibition by moclobemide in vitro and ex vivo in rats. Kettler R, et al. **Acta Psychiatr Scand Suppl** 1990;360:101–2 (18 ref.)
Fluoxetine and fluvoxamine. Guimaraes FS. **Br J Hosp Med** 1991 Mar;45(3):146, 149 (6 ref.)
Paroxetine. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in depressive illness. Dechant KL, et al. **Drugs** 1991 Feb; 41(2):225–53 (96 ref.)
Antidepressants. Current concepts of mode of action. Léonard BE. **Encephale** 1991 May–Jun;17 Spec No 1:127–31 (42 ref.)
Biological basis of depression and therapeutic relevance [published erratum appears in J Clin Psychiatry 1991 Aug;52(8):353] Richelson E. **J Clin Psychiatry** 1991 Jun; 52 Suppl:4–10 (70 ref.)
The mechanism of action of antidepressants revised. Ackenheil M. **J Neural Transm Suppl** 1990;32:29–37 (47 ref.)
Antidepressant-anxiolytic interactions: involvement of the benzodiazepine-GABA and serotonin systems. Suranyi-Cadotte BE, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(5):633–54 (132 ref.)
Nefazodone: preclinical pharmacology of a new antidepressant. Eison AS, et al. **Psychopharmacol Bull** 1990; 26(3):311–5 (23 ref.)

POISONING

[The overdose risk in prescribing of antidepressive agents] Pinder RM. **Ned Tijdschr Geneeskd** 1991 Mar 16; 135(11):457–61 (31 ref.) **(Dut)**

THERAPEUTIC USE

Reversible and irreversible monoamine oxidase inhibitors in other psychiatric disorders. Liebowitz MR, et al. **Acta Psychiatr Scand Suppl** 1990;360:29–34 (43 ref.)
Serotonin in obsessions, compulsions, and the control of aggressive impulses. Insel TR, et al. **Ann N Y Acad Sci** 1990;600:574–85; discussion 585–6 (63 ref.)
Serotonin agents in anxiety. Taylor DP. **Ann N Y Acad Sci** 1990;600:545–56; discussion 556–7 (77 ref.)
Current treatment concepts in depression. Judd FK, et al. **Aust Fam Physician** 1990 Sep;19(9):1347–54 (5 ref.)
The marketing of 5-hydroxytryptamine: depression or anxiety? Healy D. **Br J Psychiatry** 1991 Jun;158:737–42 (44 ref.)
Ethnicity and psychotropic drugs. Bond WS. **Clin Pharm** 1991 Jun;10(6):467–70 (37 ref.)
Fluoxetine and suicidal ideation. McGrath BJ, et al. **DICP** 1991 Jun;25(6):607–9 (20 ref.)
5-HT1A partial agonists. What is their future? Glitz DA, et al. **Drugs** 1991 Jan;41(1):11–8 (120 ref.)
The discovery of antidepressants: a winding path. Pletscher A. **Experientia** 1991 Jan 15;47(1):4–8 (30 ref.)
Guidelines for prescribing psychoactive drugs in the elderly: Part 1. Maletta G, et al. **Geriatrics** 1991 Sep;46(9):40–7 (33 ref.)
Antidepressants: current concepts of mode of action. Cowen PJ. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:45–55 (37 ref.)
Antidepressants: the implications of the cognitive and psychomotor effects in the elderly. Hindmarch I. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:57–60 (10 ref.)
Does 24-h urinary MHPG predict treatment response to antidepressants? I. A review. Garvey M, et al. **J Affective Disord** 1990 Nov;20(3):173–9 (37 ref.)
Depression in children and adolescents: new data on 'undertreatment' and a literature review on the efficacy of available treatments. Keller MB, et al. **J Affective Disord** 1991 Mar;21(3):163–71 (41 ref.)
Understanding and treating depression in anxious patients. Dubovsky SL. **J Clin Psychiatry** 1990 Oct;51 Suppl:3–8; discussion 14–7 (55 ref.)
Beyond serotonin. Meltzer HY. **J Clin Psychiatry** 1991 May; 52 Suppl:58–62 (57 ref.)
Augmentation regimens for depression. Nemeroff CB. **J Clin Psychiatry** 1991 May;52 Suppl:21–7 (21 ref.)
Maintenance treatment with antidepressants in panic disorder. Noyes R Jr, et al. **J Clin Psychiatry** 1990 Dec; 51 Suppl A:24–30 (65 ref.)
The changing horizon in the treatment of depression: scientific/clinical publication overview. Stokes PE. **J Clin Psychiatry** 1991 May;52 Suppl:35–43 (21 ref.)
Antidepressant treatment and side effect considerations. Tollefson GD. **J Clin Psychiatry** 1991 May;52 Suppl:4–13 (40 ref.)
Pharmacotherapy of dysthymia: a review. Howland RH. **J Clin Psychopharmacol** 1991 Apr;11(2):83–92 (55 ref.)
Mechanisms of action in cognitive-behavioral and pharmacological interventions for obesity and bulimia nervosa. Craighead LW, et al. **J Consult Clin Psychol** 1991 Feb;59(1):115–25 (77 ref.)
Cognitive therapy and pharmacotherapy for depression. Hollon SD, et al. **J Consult Clin Psychol** 1991 Feb; 59(1):88–99 (70 ref.)
Advances in treatment of anxiety and depressive disorders. Lyles WB, et al. **J Fla Med Assoc** 1990 Aug;77(8):731–4 (40 ref.)
Pharmacotherapy of depression: the American current status. Shen WW. **Keio J Med** 1990 Dec;39(4):237–41 (46 ref.)
The assessment and management of obsessive-compulsive disorder. McConaghy N. **Med J Aust** 1991 Jun 3; 154(11):760–4 (11 ref.)
Assessment of quality control in the use of psychotropics for the treatment of depression: a brief review. Wilmotte J. **Neuropsychobiology** 1989;22(4):208–13 (37 ref.)
Practical psychopharmacologic considerations in depression. Brasfield KH. **Nurs Clin North Am** 1991 Sep;26(3):651–63 (41 ref.)
Continuation and maintenance therapy with antidepressive agents. An overview of research. Loonen AJ, et al. **Pharm Weekbl [Sci]** 1990 Aug 24;12(4):128–41 (115 ref.)
Prodromal symptoms and intermittent drug medication in mood disorders. Fava GA, et al. **Pharmacopsychiatry** 1991 Jan;24(1):28–30 (16 ref.)
Outcome criteria in antidepressant drug trials: self-rating versus observer-rating scales. Möller HJ. **Pharmacopsychiatry** 1991 May;24(3):71–5 (26 ref.)
Antidepressant for substance-abusing schizophrenic patients: a minireview. Siris SG, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1991; 15(1):1–13 (58 ref.)
Depression and antidepressant therapy: receptor dynamics. Zemlan FP, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(4):503–23 (90 ref.)
Drug treatment of panic disorder—a critical review of controlled clinical trials. Balestrieri M, et al. **Psychiatr Dev** 1989 Winter;7(4):337–50 (50 ref.)
Innovative somatic treatments for depression. Zajecka JM, et al. **Psychiatr Med** 1991;9(1):77–103 (205 ref.)
New approaches to therapy for neurodegenerative diseases. Schmechel DE. **South Med J** 1991 May;84(5 Suppl 1):S11–23 (96 ref.)
[Antidepressive agents in the elderly] de Hooge JK. **Tijdschr Gerontol Geriatr** 1990 Dec;21(6):259–67 (56 ref.) (Eng. Abstr.) **(Dut)**
[Clinical evaluation of new antidepressive agents] Ballus C, et al. **Encephale** 1991 May–Jun;17 Spec No 1:133–7 (20 ref.) (Eng. Abstr.) **(Fre)**
[Practical aspects in the use of antidepressants] Pitchot W, et al. **Rev Med Liege** 1990 Dec;45(12):597–613 (92 ref.) **(Fre)**
[Drug treatment of compulsive disorder] Rapoport JL. **Nervenarzt** 1991 May;62(5):318–20 (28 ref.) **(Ger)**
[Antidepressive medication in older patients with cardiovascular ailments] Chiriță V, et al. **Rev Med Chir Soc Med Nat Iasi** 1990 Jan–Mar;94(1):87–90 (27 ref.) (Eng. Abstr.) **(Rum)**
[Anorexia nervosa in adolescents] Tomás Vilaltella J, et al. **An Esp Pediatr** 1990 Jun;32(6):513–7 (33 ref.) (Eng. Abstr.) **(Spa)**

TOXICITY

[The cardiac toxicity of antidepressive thymoleptics. Experimental and clinical studies] Marino A, et al. **Clin Ter** 1990 Dec 15;135(5):333–46 (69 ref.) (Eng. Abstr.) **(Ita)**

ANTIDEPRESSIVE AGENTS, TRICYCLIC

Cyclic antidepressants, lithium, and neuroleptic agents. Pharmacology and toxicology. Krishel S, et al. **Emerg Med Clin North Am** 1991 Feb;9(1):53–86 (143 ref.)

ADVERSE EFFECTS

[Cardiovascular effects of tricyclic antidepressive agents] Martí V, et al. **Med Clin (Barc)** 1990 Nov 3;95(15):589–94 (82 ref.) **(Spa)**

BLOOD

Therapeutic drug monitoring for antidepressants: efficacy, safety, and cost effectiveness [published erratum appears in J Clin Psychiatry 1991 Aug;52(8):353] Preskorn SH, et al. **J Clin Psychiatry** 1991 Jun;52 Suppl:23–33 (58 ref.)

POISONING

The use of vasoactive agents in the treatment of refractory hypotension seen in tricyclic antidepressant overdose. Buchman AL, et al. **J Clin Psychopharmacol** 1990 Dec; 10(6):409–13 (40 ref.)

The electrocardiographic manifestations of cyclic antidepressant therapy and overdose: a review. Groleau G, et al. **J Emerg Med** 1990 Sep–Oct;8(5):597–605 (53 ref.)

Tricyclic antidepressant poisoning. Dziukas LJ, et al. **Med J Aust** 1991 Mar 4;154(5):344–50 (98 ref.)

THERAPEUTIC USE

Panic disorder: a treatment update. Burrows GD, et al. **J Clin Psychiatry** 1991 Jul;52 Suppl:24–6 (18 ref.)

Tricyclic antidepressants and children. Newcomb P. **Nurse Pract** 1991 May;16(5):26–8, 30, 33 (21 ref.)

[Children with attention deficit disorders with hyperactivity; the role of drugs in treatment] van der Gaag RJ, et al. **Ned Tijdschr Geneeskd** 1991 Jul 13;135(28):1261–6 (81 ref.) **(Dut)**

ANTIDIABETICS see **HYPOGLYCEMIC AGENTS**

ANTIDIURETIC HORMONE, INAPPROPRIATE SECRETION see **INAPPROPRIATE ADH SYNDROME**

ANTIDIURETIC HORMONES see **VASOPRESSINS**

ANTI-DNA ANTIBODIES see **ANTIBODIES, ANTINUCLEAR**

ANTIDOTES

see related
CHELATING AGENTS

[Development of the concept of antidotes: the contribution of clinical toxicology] Fournier E. **Bull Acad Natl Med** 1990 Jun–Jul;174(6):703–7; discussion 707–8 (6 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOLOGY

Antidotal effects of dimercaptosuccinic acid. Ding GS, et al. **J Appl Toxicol** 1991 Feb;11(1):7–14 (151 ref.)

THERAPEUTIC USE

Current status of antidotal therapies in acute human intoxications. Lheureux P, et al. **Acta Clin Belg Suppl** 1990; 13:29–47 (145 ref.)

Dextromethorphan poisoning reversed by naloxone. Schneider SM, et al. **Am J Emerg Med** 1991 May;9(3):237–8 (8 ref.)

Cisplatin rescue therapy: experience with sodium thiosulfate, WR2721, and diethyldithiocarbamate. Gandara DR, et al. **Crit Rev Oncol Hematol** 1990;10(4):353–65 (95 ref.)

New developments in therapeutic chelating agents as antidotes for metal poisoning. Jones MM. **Crit Rev Toxicol** 1991;21(3):209–33 (256 ref.)

[Possibilities of using dihydromonocalcium phosphate for prevention and treatment of chronic fluoride poisoning (review of the literature)] Iakovleva SS. **Gig Tr Prof Zabol** 1991;(2):28–9 (27 ref.) **(Rus)**

ANTIDROMIC POTENTIALS see **EVOKED POTENTIALS**

ANTIEMETICS

Batanopride (BMY-25801): a new 5-HT3 receptor antagonist for the prevention of cancer chemotherapy-induced emesis. Smaldone L, et al. **Cancer Treat Rev** 1990 Sep; 17(2–3):319–27 (11 ref.)

Ondansetron—the first of a new class of antiemetic agents. Chaffee BJ, et al. **Clin Pharm** 1991 Jun;10(6):430–46 (105 ref.)

THERAPEUTIC USE

Methodology of antiemetic trials: a review. Tonato M, et al. **Ann Oncol** 1991 Feb;2(2):107–14 (34 ref.)

Management of vomiting associated with cytotoxic therapy. Jones AL, et al. **Br J Hosp Med** 1991 Feb;45(2):85–8 (21 ref.)

Antiemetic action of 5-HT3 receptor antagonists: review of preclinical and clinical results with ICS 205-930. Gamse R. **Cancer Treat Rev** 1990 Sep;17(2–3):301–5 (20 ref.)

Antiemetic control: 5-HT3 antagonists: review of clinical results, with particular emphasis on ondansetron. Kidgell AE, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):311–7 (20 ref.)

Granisetron (BRL 43694) in the treatment of cytostatic drug-induced emesis: a summary. Pintens H. **Cancer Treat Rev** 1990 Sep;17(2–3):307–10 (4 ref.)

Ondansetron. Therapeutic use as an antiemetic. Milne RJ, et al. **Drugs** 1991 Apr;41(4):574–95 (101 ref.)

Anti-emetic control with ondansetron in the chemotherapy of breast cancer: a review. Marschner N. **Eur J Cancer** 1991;27 Suppl 1:S15–7; discussion S22 (9 ref.)

The role of ondansetron in paediatric patients: a review of three studies. Stevens RF. **Eur J Cancer** 1991;27 Suppl 1:S20–2 (7 ref.)

5HT3-antagonist receptors: their role in drug-induced emesis. Dieras V, et al. **Nouv Rev Fr Hematol** 1990; 32(6):449–52 (11 ref.)

The management of nausea and vomiting. Sykes N. **Practitioner** 1990 Mar 22;234(1485):286–90 (7 ref.)

Developments in the antiemetic area: chemistry, pharmacology and therapy. Monković I, et al. **Prog Med Chem** 1990;27:297–323 (151 ref.)

Controlling emesis in patients receiving cancer chemotherapy. Gralla RJ. **Recent Results Cancer Res** 1991; 121:68–85 (61 ref.)

5-hydroxytryptamine-3 antagonists: a new class of potent antiemetics in cancer therapy. Soukop M. **Recent Results Cancer Res** 1991;121:86–90 (12 ref.)

Ondansetron, a new antiemetic therapy for oncology. An overview. Lip H. **Scand J Gastroenterol Suppl** 1990; 178:55–61 (38 ref.)

Recent developments in the management of emesis with the 5-HT3 antagonist granisetron. Button D. **Semin Oncol Nurs** 1990 Nov;6(4 Suppl 1):14–9 (21 ref.)

Future prospects for granisetron. Smit P. **Semin Oncol Nurs** 1990 Nov;6(4 Suppl 1):20–2 (6 ref.)

Clinical evaluation of 5-HT3 receptor antagonists as anti-emetics. Bunce K, et al. **Trends Pharmacol Sci** 1991 Feb;12(2):46–8 (30 ref.)

[Prevention and therapy of cytostatic-induced vomiting] Riess H, et al. **Dtsch Med Wochenschr** 1991 May 3; 116(18):705–12 (48 ref.) **(Ger)**

[Control of vomiting induced by antineoplastic chemotherapy in childhood] Madero López L, et al. **An Esp Pediatr** 1991 Mar;34(3):207–10 (25 ref.) (Eng. Abstr.) **(Spa)**

ANTIEPILEPTIC AGENTS see **ANTICONVULSANTS**

ANTIESTROGENS see **ESTROGEN ANTAGONISTS**

ANTIFIBRILLATORY AGENTS see **ANTI-ARRHYTHMIA AGENTS**

ANTIFIBRINOLYSINS see **ANTIFIBRINOLYTIC AGENTS**

ANTIFIBRINOLYTIC AGENTS

Antiplasmins. Norman PS. **Fed Proc** 1966 Jan–Feb;25(1):63–7 (28 ref.)

PHARMACOLOGY

Some objective considerations for the neutralization of the anticoagulant actions of recombinant hirudin. Fareed J, et al. **Haemostasis** 1991;21 Suppl 1:64–72 (10 ref.)

THERAPEUTIC USE

Desmopressin and antifibrinolytics. Horrow JC. **Int Anesthesiol Clin** 1990 Fall;28(4):230–6 (47 ref.)

ANTIFUNGAL AGENTS

see related
FUNGICIDES, INDUSTRIAL

Fluconazole: a new triazole antifungal agent. Morrow JD. **Am J Med Sci** 1991 Aug;302(2):129–32 (24 ref.)

Pharmacology of the allylamines. Birnbaum JE. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 2):782–5 (15 ref.)

ADMINISTRATION & DOSAGE

Selective parenteral and enteral antisepsis regimen (SPEAR). Gould IM. **Br J Hosp Med** 1990 Sep;44(3):209–11 (45 ref.)

Treatment of vaginal candidiasis: orally or vaginally? Merkus JM. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 2):568–72 (10 ref.)

Individualizing treatment of vaginal candidiasis. Sobel JD. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 2):572–6 (21 ref.)

[Clinical aspects and therapy of dermatophytosis (tinea)] Tausch I. **Z Arztl Fortbild (Jena)** 1990;84(23):1188–91 (15 ref.) **(Ger)**

ADVERSE EFFECTS

Safety aspects of oral antifungal agents. Van Cauteren H, et al. **Br J Clin Pract Symp Suppl** 1990 Sep;71:47–9 (29 ref.)

[Hepatotoxicity of antimicrobial agents. II: Urinary antiseptics, antitubercular agents, antiparasitic agents, antifungal agents, antiviral agents] Horsmans Y, et al. **Gastroenterol Clin Biol** 1990;14(12):919–24 (65 ref.) **(Fre)**

BLOOD

Laboratory monitoring of antifungal chemotherapy. British Society for Antimicrobial Chemotherapy Working Party. **Lancet** 1991 Jun 29;337(8757):1577–80 (27 ref.)

CHEMISTRY

[Fluorine-19 nuclear magnetic resonance spectroscopy: a privileged tool for the study of the metabolism and pharmacokinetics of fluoropyrimidines] Malet-Martino MC, et al. **Bull Cancer (Paris)** 1990;77(12):1223–44 (54 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOKINETICS

Pharmacokinetics of oral antifungals and their clinical implications. Heykants J, et al. **Br J Clin Pract Symp Suppl** 1990 Sep;71:50–6 (17 ref.)

[Pharmacokinetics of amphotericin B and its derivatives] Vetkina IF. **Antibiot Khimioter** 1991 Apr;36(4):36–8 (36 ref.) **(Rus)**

PHARMACOLOGY

Biochemical basis for the activity and selectivity of oral antifungal drugs. Vanden Bossche H, et al. **Br J Clin Pract Symp Suppl** 1990 Sep;71:41–6 (16 ref.)

Oxiconazole nitrate: pharmacology, efficacy, and safety of a new imidazole antifungal agent. Jegasothy BV, et al. **Clin Ther** 1991 Jan–Feb;13(1):126–41 (30 ref.)

Inhibitors of fungal sterol synthesis: squalene–epoxidation and C-14-demethylation. Berg D, et al. **J Enzym Inhib** 1989; 3(1):1–11 (52 ref.)

Present status of antimycotics. Kerridge D. **Microbiol Sci** 1985;2(3):78, 83–6 (35 ref.)

THERAPEUTIC USE

Empiric treatment of fungal infections in the neutropenic host. Review of the literature and guidelines for use. Sugar AM. **Arch Intern Med** 1990 Nov;150(11):2258–64 (43 ref.)

Management of fungal skin infections with 15 days itraconazole treatment: a worldwide review. De Doncker P, et al. **Br J Clin Pract Symp Suppl** 1990 Sep;71:118–22 (28 ref.)

Onychomycosis. Degreef H. **Br J Clin Pract Symp Suppl** 1990 Sep;71:91–7 (21 ref.)

Fungal infections and their management. Graybill JR, et al. **Br J Clin Pract Symp Suppl** 1990 Sep;71:23–31 (87 ref.)

Chronic vulvovaginal candidosis: the role of oral treatment. Merkus JM, et al. **Br J Clin Pract Symp Suppl** 1990 Sep; 71:81–4 (31 ref.)

Oral and parenteral treatment with itraconazole in various superficial and systemic experimental fungal infections. Comparisons with other antifungals and combination therapy. Van Cutsem J. **Br J Clin Pract Symp Suppl** 1990 Sep;71:32–40 (17 ref.)

Drugs for treatment of vulvovaginal candidiasis: comparative efficacy of agents and regimens. Doering PL, et al. **DICP** 1990 Nov;24(11):1078–83 (71 ref.)

The control of seborrhoeic dermatitis and dandruff by antipityrosporal drugs. McGrath J, et al. **Drugs** 1991 Feb; 41(2):178–84 (62 ref.)

Treatment of oral candidosis with itraconazole: a review. Blatchford NR. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 2):565–7 (10 ref.)

Itraconazole in tinea versicolor: a review. Delescluse J. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 2):551–4 (24 ref.)

Treatment of fungal skin infections: state of the art. Jacobs PH. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 2):549–51 (3 ref.)

Problems of resisiant dermatophytes. Jones HE. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 2):779–81 (6 ref.)

Itraconazole in common dermatophyte infections of the skin: fixed treatment schedules. Saul A, et al. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 2):554–8 (9 ref.)

Treatment of chromoblastomycosis. Tuffanelli L, et al. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 1):728–32 (54 ref.)

The role of chemoprophylaxis in the prevention of airborne infection by fungal pathogens. Hay RJ. **J Hosp Infect** 1991 Jun;18 Suppl A:460–5 (32 ref.)

Antifungal and surgical treatment of invasive aspergillosis: review of 2,121 published cases [published erratum appears in Rev Infect Dis 1991 Mar–Apr;13(2):345] Denning DW, et al. **Rev Infect Dis** 1990 Nov–Dec;12(6):1147–201 (301 ref.)

Antifungal drugs in dermatology. Hay RJ. **Semin Dermatol** 1990 Dec;9(4):309–17 (57 ref.)

Antifungal therapy and its use in surgical treatment. Perfect JR. **Surg Gynecol Obstet** 1990;171 Suppl:41–8 (68 ref.)

Management of dermatophyte infections in catteries and multiple-cat households. Moriello KA. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1457–74 (16 ref.)

[Problems of vaginal candidiasis. III. The trends in current antimycotic therapy] Zlatkov V, et al. **Akush Ginekol (Sofiia)** 1990;29(6):54–8 (24 ref.) **(Bul)**

[Candida spondylodiscitis. Report of 2 personal cases and 28 cases from the literature] Collet P, et al. **Rev Med Interne** 1989 Sep–Oct;10(5):413–9 (31 ref.) (Eng.

Abstr.) (Fre)
[Antimycotic agents. Progress in treatment of mycoses] Schäfer-Korting M. **Med Monatsschr Pharm** 1991 Jul; 14(7):197–205 (32 ref.) (Ger)
[Antimycotic therapy] Schaffner A. **Ther Umsch** 1990 Aug; 47(8):664–9 (5 ref.) (Eng. Abstr.) (Ger)
[Systemic antimycotics in the therapy of patients with foot mycoses] Rukavishnikova VM, et al. **Vestn Dermatol Venerol** 1990;(6):24–8 (50 ref.) (Rus)
[Treatment of deep mycoses] Barros C. **Enferm Infecc Microbiol Clin** 1989 Aug–Sep;7(7):380–8 (91 ref.) (Spa)
[Therapy of infections caused by opportunistic agents: fungi] Martin E, et al. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:62–6 (66 ref.) (Spa)
[Importance of the new triazoles in antifungal therapy] Durmaz B. **Mikrobiyol Bul** 1991 Jan;25(1):118–23 (27 ref.) (Eng. Abstr.) (Tur)

ANTIGAMMA GLOBULIN ANTIBODIES see **ANTIBODIES, ANTI-IDIOTYPIC**

ANTIGEN-ANTIBODY COMPLEX

see related
IMMUNE COMPLEX DISEASE

Structure, function and properties of antibody binding sites. Mian IS, et al. **J Mol Biol** 1991 Jan 5;217(1):133–51 (60 ref.)

ANALYSIS

Immune complexes and malignancy. Vlock DR. **Immunol Ser** 1990;53:555–86 (252 ref.)

BIOSYNTHESIS

The formation and fate of glomerular immune complex deposits. Furness PN. **J Pathol** 1991 Jul;164(3):195–202 (61 ref.)

BLOOD

Role of circulating immune complexes and platelet aggregation in the development of experimentally induced atherosclerosis in monkeys with normal intact vas deferens and following vasectomy. Sharda N, et al. **Indian Heart J** 1991 Jan–Feb;43(1):35–8 (29 ref.)

IMMUNOLOGY

Rheumatoid factors and complex formation. The role of light-chain framework sequences and glycosylation. Hay FC, et al. **Clin Orthop** 1991 Apr;(265):54–62 (65 ref.)
Immune complex and complement-mediated leukocyte recruitment in bullous pemphigoid. Gammon WR. **Immunol Ser** 1989;46:509–25 (30 ref.)
The immune complex: possible ways of regulating the antibody response [see comments] Heyman B. **Immunol Today** 1990 Sep;11(9):310–3 (44 ref.) Comment in: Immunol Today 1991 Jan;12(1):46.
[Fibronectin and immune complexes in rheumatic diseases] Mazepa MA. **Vestn Akad Med Nauk SSSR** 1991;(4):57–61 (46 ref.) (Eng. Abstr.) (Rus)

METABOLISM

Significance of iccosomes in the germinal centre reaction. Szakal AK, et al. **Res Immunol** 1991 Mar–Apr;142(3):261–3 (9 ref.)
The role of antigens, antibodies and immune complexes in the functional activity of germinal centres. van Rooijen N. **Res Immunol** 1991 Mar–Apr;142(3):272–5 (40 ref.)

PHYSIOLOGY

The clearance of immune complexes from the circulation of man and other primates. Hebert LA. **Am J Kidney Dis** 1991 Mar;17(3):352–61 (103 ref.)

ANTIGEN-ANTIBODY REACTIONS

see related
BINDING SITES, ANTIBODY
HYPERSENSITIVITY, IMMEDIATE

Antigen–antibody reactions. Virella G. **Immunol Ser** 1990; 50:123–41 (7 ref.)

ANTIGEN BRONCHIAL PROVOCATION TESTS see **BRONCHIAL PROVOCATION TESTS**

ANTIGEN, CD44 see **RECEPTORS, LYMPHOCYTE HOMING**

ANTIGEN, LYT-1 see **ANTIGENS, LY**

ANTIGEN-PRESENTING CELLS

see related
HISTOCOMPATIBILITY ANTIGENS CLASS II
LYMPHOCYTE TRANSFORMATION

CYTOLOGY

Accessory cells in normal human and rodent lymph nodes: morphology, phenotype, and functional implications. Wacker HH, et al. **Curr Top Pathol** 1990;84 (Pt 1):193–218 (102 ref.)

IMMUNOLOGY

Transfection of genes for cell surface products involved in antigen presentation--applications to the understanding of autoimmunity. Altmann DM, et al. **Autoimmunity** 1990; 7(2–3):213–20 (45 ref.)
Antigen processing and presentation: modelling with Leishmania. Kaye PM, et al. **Behring Inst Mitt** 1991 Feb; (88):13–9 (19 ref.)
Antigen processing and presentation by epidermal Langerhans cells. Induction of immunity or unresponsiveness. Cruz PD Jr, et al. **Dermatol Clin** 1990 Oct;8(4):633–47 (90 ref.)
Role of B cell antigen processing and presentation in the humoral immune response. Myers CD. **FASEB J** 1991 Aug; 5(11):2547–53 (54 ref.)
Heat shock proteins and immune responses: an early view. DeNagel DC, et al. **Immunol Res** 1991;10(1):66–78 (67 ref.)
Generation and characterization of T-helper cells by primary in vitro sensitization using Langerhans cells. Hauser C, et al. **Immunol Rev** 1990 Oct;117:67–84 (27 ref.)
The endothelial cell as a regulator of T-cell function. Hughes CC, et al. **Immunol Rev** 1990 Oct;117:85–102 (75 ref.)
Lymphoid dendritic accessory cells of the rat. Klinkert WE. **Immunol Rev** 1990 Oct;117:103–20 (77 ref.)
Antigen presentation in MHC class II transgenic mice: stimulation versus tolerization. Lo D, et al. **Immunol Rev** 1990 Oct;117:121–34 (44 ref.)
Antigen-presenting cells for CD8+ T cells. Sprent J, et al. **Immunol Rev** 1990 Oct;117:213–34 (38 ref.)
Functional dichotomy between Langerhans cells that present antigen to naive and to memory/effector T lymphocytes. Streilein JW, et al. **Immunol Rev** 1990 Oct;117:159–83 (56 ref.)
Follicular dendritic cells as accessory cells. Tew JG, et al. **Immunol Rev** 1990 Oct;117:185–211 (64 ref.)
Antigen presentation: structural themes and functional variations. Braciale TJ, et al. **Immunol Today** 1991 Apr; 12(4):124–9 (57 ref.)
Astrocytes: auxiliary cells for immune responses in the central nervous system? Hertz L, et al. **Immunol Today** 1990 Aug; 11(8):265–8 (0 ref.)
Detection of peptide–MHC class II complexes on the surface of intact cells. Busch R, et al. **J Immunol Methods** 1990 Nov 6;134(1):1–22 (62 ref.)
Alternative antigen presentation pathways: accessory cells which down-regulate immune responses. Phipps RP, et al. **Reg Immunol** 1989 Sep–Oct;2(5):326–39 (104 ref.)
Accessory cells control induction of CD4+ T cells with specific effector function. Stohlman SA. **Res Immunol** 1991 Jan;142(1):50–4 (26 ref.)
Heat shock proteins implicated in antigen processing and presentation. De Nagel DC, et al. **Semin Immunol** 1991 Jan;3(1):65–71 (37 ref.)

METABOLISM

Peptide presentation by class-I major histocompatibility complex molecules. Nikolić-Zugić J, et al. **Immunol Res** 1991;10(1):54–65 (39 ref.)

MICROBIOLOGY

Association of viruses with antigen-presenting cells: implications for the outcome of infection. Barnett B, et al. **Microbiol Sci** 1987 Mar;4(3):91–5 (30 ref.)

PHYSIOLOGY

Antigen presentation in joints in the pathogenesis of arthritis. Klareskog L. **Br J Rheumatol** 1991;30 Suppl 1:53–7 (40 ref.)
Cellular mechanisms of antigen processing and the function of class I and II major histocompatibility complex molecules. Harding CV, et al. **Cell Regul** 1990 Jun; 1(7):499–509 (81 ref.)
How T cells talk to target cells. Hollán S. **Haematologia (Budap)** 1990;23(3):129–44 (19 ref.)
Accessory cell signals involved in T-cell activation. Geppert TD, et al. **Immunol Rev** 1990 Oct;117:5–66 (218 ref.)
The function of the invariant chain in antigen presentation by MHC class II molecules [news] Hämmerling GJ, et al. **Immunol Today** 1990 Oct;11(10):337–40 (26 ref.)

ANTIGEN RECEPTORS see **RECEPTORS, ANTIGEN**

ANTIGEN RECEPTORS, B-CELL see **RECEPTORS, ANTIGEN, B-CELL**

ANTIGEN RECEPTORS, T-CELL see **RECEPTORS, ANTIGEN, T-CELL**

ANTIGEN S 100 see **NERVE TISSUE PROTEIN S 100**

ANTIGEN SWITCHING see **ANTIGENIC VARIATION**

ANTIGENIC DETERMINANTS

see related
ANTIBODIES, ANTI-IDIOTYPIC

Drug allergenic determinants. Baldo BA, et al. **Monogr Allergy** 1990;28:11–51 (85 ref.)
Murine T cells with invariant gamma delta antigen receptors: origin, repertoire, and specificity. Havran WL, et al. **Semin Immunol** 1991 Mar;3(2):89–97 (55 ref.)
Specificity of gamma delta receptor bearing T cells. Matis LA, et al. **Semin Immunol** 1991 Mar;3(2):75–80 (48 ref.)

ANALYSIS

Background paper. Mapping epitopes on coronavirus glycoproteins. Laude H. **Adv Exp Med Biol** 1990; 276:139–42 (6 ref.)
Antigenic structure of Candida albicans. Immunochemical basis of the serologic specificity of the mannans in yeasts. Fukazawa Y. **Immunol Ser** 1989;47:37–62 (60 ref.)

CHEMISTRY

The structural requirements of epitopes with IgE binding capacity demonstrated by three major allergens from fish, egg and tree pollen. Elsayed S, et al. **Scand J Clin Lab Invest Suppl** 1991;204:17–31 (65 ref.)

GENETICS

Cloning of microbial epitopes relevant for T- and B-cells. Miles MA, et al. **Behring Inst Mitt** 1991 Feb;(88):133–41 (65 ref.)
Genetics of RA: the HLA shared epitope hypothesis and its implications. Lanchbury JS, et al. **Br J Rheumatol** 1991; 30 Suppl 2:6–9 (15 ref.)
Recombinant DNA approaches to the study of allergens and allergenic determinants. Donovan GR, et al. **Monogr Allergy** 1990;28:52–83 (64 ref.)

IMMUNOLOGY

Outer membrane protein PhoE as a carrier for the exposure of foreign antigenic determinants at the bacterial cell surface. Agterberg M, et al. **Antonie Van Leeuwenhoek** 1991 May;59(4):249–62 (70 ref.)
Antigen recognition and peptide-mediated immunotherapy in autoimmune disease. Smilek DE, et al. **Immunol Rev** 1990 Dec;118:37–71 (150 ref.)
Mapping the autoepitopes of thyroglobulin. Rose NR, et al. **Isr J Med Sci** 1990 Dec;26(12):666–72 (37 ref.)
Structure and immune recognition of HLA-B27 antigens: implications for disease association. López de Castro JA, et al. **Scand J Rheumatol Suppl** 1990;87:21–31 (25 ref.)

THERAPEUTIC USE

Development of artificial vaccines against HIV using defined epitopes. Berzofsky JA. **FASEB J** 1991 Jul;5(10):2412–8 (85 ref.)

ANTIGENIC DETERMINANTS, IMMUNODOMINANT see **IMMUNODOMINANT EPITOPES**

ANTIGENIC SPECIFICITY see **ANTIGENIC DETERMINANTS**

ANTIGENIC VARIATION

Emergence, natural history, and variation of canine, mink, and feline parvoviruses. Parrish CR. **Adv Virus Res** 1990; 38:403–50 (120 ref.)
The pellicle and the membrane of the flagellum, flagellar adhesion zone, and flagellar pocket: functionally discrete surface domains of the bloodstream form of African trypanosomes. Balber AE. **Crit Rev Immunol** 1990; 10(3):177–201 (240 ref.)
Genomic diversity and antigenic variation of HIV-1: links between pathogenesis, epidemiology and vaccine development. Goudsmit J, et al. **FASEB J** 1991 Jul; 5(10):2427–36 (53 ref.)

GENETICS

Frequency and genetic background of the position 122 (Val----Ile) variant transthyretin gene in the black population. Jacobson DR, et al. **Am J Hum Genet** 1991 Jul;49(1):192–8 (46 ref.)
Molecular genetics of antigenic variation. Borst P. **Immunol Today** 1991 Mar;12(3):A29–33 (46 ref.)
Antigenic polymorphism in malaria: is it an important mechanism for immune evasion? Mendis KN, et al. **Immunol Today** 1991 Mar;12(3):A34–7 (43 ref.)
Genetic mechanisms for modulating virulence determinants on the bacterial surface. Saunders JR. **Sci Prog** 1990;74(295 Pt 3):279–90 (16 ref.)
[Antigenic variation of African trypanosomes] Pays E. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:5–10 (12 ref.) (Eng. Abstr.) (Fre)
[Genetic variability of hepatitis B virus: relationship with pathogenicity (editorial)] Zarski JP, et al. **Gastroenterol Clin Biol** 1991;15(4):277–9 (24 ref.) (Fre)

IMMUNOLOGY

[The antigenic divergence of tumor cells due to the expression of hetero-organic antigens as a manifestation of disordered differentiation in carcinogenesis] Fel' VIa. **Tsitologiia** 1990;32(5):407–21 (99 ref.) (Eng. Abstr.) (Rus)

ANTIGENS

see related
ANTIGEN–ANTIBODY REACTIONS

Enzymatic techniques applied to complex carbohydrates. Some examples. Nilsson KG. **Ann N Y Acad Sci** 1990; 613:431–4 (13 ref.)
Heat–shock proteins as antigens in autoimmunity. van Eden W, et al. **Biochem Soc Trans** 1991 Feb;19(1):171–5 (35 ref.)
Antigen–specific immune regulation. Kapp JA, et al. **Immunol Ser** 1989;43:163–79 (39 ref.)
Nephritogenic tubulointerstitial antigens. Wilson CB. **Kidney Int** 1991 Mar;39(3):501–17 (293 ref.)

ADMINISTRATION & DOSAGE

The iscom: an immunostimulating system. Morein B. **Immunol Lett** 1990 Aug;25(1–3):281–3 (9 ref.)
Liposomes as carriers of antigens and adjuvants. Alving CR. **J Immunol Methods** 1991 Jun 24;140(1):1–13 (99 ref.)

ANALYSIS

Optical immunosensors. Robinson GA. **Biochem Soc Trans** 1991 Feb;19(1):18–20 (21 ref.)
Ganglioside antigens in tissue sections of skin, naevi, and melanoma—implications for treatment of melanoma. Hersey P. **Cancer Treat Res** 1991;54:137–51 (48 ref.)
[Nuclear antigens detectable with human autoantibodies] Semenov MV. **Tsitologiia** 1990;32(10):965–76 (117 ref.) (Eng. Abstr.) **(Rus)**

CHEMISTRY

A static accessibility model of protein antigenicity. Novotný J. **Int Rev Immunol** 1987 Jul;2(4):379–89 (39 ref.)

IMMUNOLOGY

Antigenic properties of myelin and the role of myelin in pathology. Introductory remarks. Quagliariello E. **Acta Neurol (Napoli)** 1991 Apr;13(2):85–6 (0 ref.)
Membrane IgE and adenyl cyclase activity in the dynamics of bronchospasm. Ketotifen as a blocker of antigen action. Oehling A, et al. **Allergol Immunopathol (Madr)** 1990 Jul–Aug;18(4):237–40 (15 ref.)
Liposomes as antigen vehicles to increase immunogenicity: effects of variation of structural characteristics. Tan LS. **Ann Acad Med Singapore** 1991 Jan;20(1):78–83 (38 ref.)
Self superantigens? Janeway CA Jr. **Cell** 1990 Nov 16; 63(4):659–61 (20 ref.)
Cellular mechanisms of antigen processing and the function of class I and II major histocompatibility complex molecules. Harding CV, et al. **Cell Regul** 1990 Jun; 1(7):499–509 (81 ref.)
A role for heat shock proteins in antigen processing and presentation. Pierce SK, et al. **Curr Top Microbiol Immunol** 1991;167:83–92 (37 ref.)
Peptide presentation by class–I major histocompatibility complex molecules. Nikolić–Zugić J, et al. **Immunol Res** 1991;10(1):54–65 (39 ref.)
Antigenicity and immune recognition. Virella G. **Immunol Ser** 1990;50:53–76 (9 ref.)
Antigen presentation: structural themes and functional variations. Braciale TJ, et al. **Immunol Today** 1991 Apr; 12(4):124–9 (57 ref.)
Non–tumor applications of radioimmune imaging. Strauss HW, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):127–34 (25 ref.)
Perspectives on antigenicity and idiotypy. Kieber–Emmons T, et al. **Int Rev Immunol** 1987 Jul;2(4):339–56 (93 ref.)
Hypothesis: antigen–specific T cells prime central nervous system endothelium for recruitment of nonspecific inflammatory cells to effect autoimmune demyelination. Cross AH, et al. **J Neuroimmunol** 1991 Sep;33(3):237–44 (45 ref.)
S–antigen: molecular mimicry may play a role in autoimmune uveitis. Shinohara T, et al. **Prog Clin Biol Res** 1991; 362:163–90 (67 ref.)
Dietary antigens and immunologic disease in humans. Cunningham–Rundles C. **Rheum Dis Clin North Am** 1991 May;17(2):287–307 (86 ref.)
Immunoglobulin E, mast cells, endogenous antigens, and arthritis. Gruber BL. **Rheum Dis Clin North Am** 1991 May; 17(2):333–42 (84 ref.)
Antigens, the gastrointestinal tract, and arthritis. Inman RD. **Rheum Dis Clin North Am** 1991 May;17(2):309–21 (87 ref.)
Molecular and cellular aspects of T–lymphocyte responses to antigen. Segall M. **Transfusion** 1991 Feb;31(2):180–7 (77 ref.)
[Monoclonal antibodies—their use in the structural and functional studies of proteins] Cierniewski CS. **Acta Physiol Pol** 1989;40 Suppl 34:67–84 (46 ref.) **(Pol)**

METABOLISM

Antigen processing and presentation [published erratum appears in Immunol Lett 1990 Dec;26(3):297] Corradin G. **Immunol Lett** 1990 Aug;25(1–3):11–3 (16 ref.)
Heat shock proteins and immune responses: an early view. DeNagel DC, et al. **Immunol Res** 1991;10(1):66–78 (67 ref.)
Endocytosis and antigen processing. Mellman I. **Semin Immunol** 1990 Jul;2(4):229–37 (43 ref.)
Catheptic processing of protein antigens: enzymic and molecular aspects. van der Drift AC, et al. **Semin Immunol** 1990 Jul;2(4):255–71 (135 ref.)
The antigen processing pathway in B lymphocytes. Watts C, et al. **Semin Immunol** 1990 Jul;2(4):247–53 (25 ref.)
Introduction: endocytosis and processing of exogenous antigens. Watts C. **Semin Immunol** 1990 Jul;2(4):227–8 (9 ref.)

PHYSIOLOGY

Cationic antigens as mediators of inflammation. Batsford SR. **APMIS** 1991 Jan;99(1):1–9 (54 ref.)
Hypothesis: synthetic aging antigen can be used to manipulate cellular lifespan. Kay MM, et al. **Life Sci** 1991; 48(17):1603–8 (31 ref.)

ANTIGENS, BACTERIAL

ADMINISTRATION & DOSAGE

Prevention of infections of the respiratory tract using the oral application of antigens. Tischner H. **Z Erkr Atmungsorgane** 1991;176(2–3):131–7 (48 ref.)

ANALYSIS

Molecular and antigenic analysis of treponemes. Strugnell R, et al. **Crit Rev Microbiol** 1990;17(4):231–50 (178 ref.)
[Use of microbiologic–serologic studies for Chlamydia and Mycoplasma in differential diagnosis of inflammatory rheumatic diseases] von Recklinghausen G. **Z Rheumatol** 1990 Nov–Dec;49(6):361–3 (31 ref.) (Eng. Abstr.) **(Ger)**
[Mycobacterial antigens and their diagnostic value] Badukshanova NM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1991 May;(5):54–9 (50 ref.) **(Rus)**

CHEMISTRY

Characterization of prominent protein antigens from mycobacteria. Young D, et al. **Bull Int Union Tuberc Lung Dis** 1991 Mar;66(1):47–51 (41 ref.)

GENETICS

Molecular genetics of antigenic variation. Borst P. **Immunol Today** 1991 Mar;12(3):A29–33 (46 ref.)
Studies on the pathogenicity of Listeria monocytogenes. Goebel W, et al. **Infection** 1991;19 Suppl 4:S195–7 (18 ref.)
Gonococci are survivors. Sparling PF, et al. **Scand J Infect Dis Suppl** 1990;69:125–36 (94 ref.)

IMMUNOLOGY

Antibodies to lipopolysaccharides: some diagnostic and protective aspects. Fomsgaard A. **APMIS Suppl** 1990; 18:1–38 (138 ref.)
Autoimmune thyroid diseases and enteropathogenic Yersinia enterocolitica. Wenzel BE, et al. **Autoimmunity** 1990; 7(4):295–303 (43 ref.)
Polysaccharide antigens of Pseudomonas aeruginosa. Knirel YA. **Crit Rev Microbiol** 1990;17(4):273–304 (231 ref.)
Heat shock proteins as antigens of bacterial and parasitic pathogens. Shinnick TM. **Curr Top Microbiol Immunol** 1991;167:145–60 (102 ref.)
The guinea pig in mycobacterial immunology. Application of classical and recent techniques. Hasløv K. **Dan Med Bull** 1990 Dec;37(6):521–30 (146 ref.)
Regulation of magnitude of antibody response to bacterial polysaccharide antigens by thymus–derived lymphocytes. Baker PJ. **Infect Immun** 1990 Nov;58(11):3465–8 (37 ref.)
T lymphocyte–stimulating microbial toxins as "superantigens". Fleischer B. **Med Microbiol Immunol (Berl)** 1991;180(2):53–8 (39 ref.)
IgG subclass distribution of antibodies to bacterial and viral antigens. Ferrante A, et al. **Pediatr Infect Dis J** 1990 Aug; 9(8 Suppl):S16–24 (49 ref.)
Recognition of mycobacterial antigens by gamma delta T cells. Band H, et al. **Res Immunol** 1990 Sep;141(7):645–51 (43 ref.)
Chlamydial hsp60 and the immunopathogenesis of chlamydial disease. Morrison RP. **Semin Immunol** 1991 Jan;3(1):25–33 (68 ref.)
Heat shock proteins as vaccine candidates. Newport GR. **Semin Immunol** 1991 Jan;3(1):17–24 (74 ref.)
The 32 kDa protein antigen of M. bovis B.C.G. and M. tuberculosis H37Rv. De Bruyn J, et al. **Trop Med Parasitol** 1990 Sep;41(3):331–2 (13 ref.)
Function and antigen specificity of T–cells against mycobacteria. Kaufmann SH, et al. **Trop Med Parasitol** 1990 Sep;41(3):319–20 (18 ref.)
Mycobacterium leprae antigens and their utility in immunodiagnostics of leprosy. Sengupta U. **Trop Med Parasitol** 1990 Sep;41(3):361–2 (9 ref.)
[Stimulation of the immune system by microbial "superantigens"] Fleischer B. **Immun Infekt** 1991 Feb; 19(1):8–11 (47 ref.) (Eng. Abstr.) **(Ger)**
[Streptococci, molecular mimicry and APO titer] Fantini F. **Boll Ist Sieroter Milan** 1989;68(2):108–14 (21 ref.) **(Ita)**

PHYSIOLOGY

A potential role for microbial superantigens in the pathogenesis of systemic autoimmune disease. Friedman SM, et al. **Arthritis Rheum** 1991 Apr;34(4):468–80 (95 ref.)

ANTIGENS, CARBOHYDRATE, TUMOR–ASSOCIATED
see ANTIGENS, TUMOR–ASSOCIATED, CARBOHYDRATE

ANTIGENS, CD

[T cell antigen receptor—structure, expression and function] Saito T. **Hum Cell** 1990 Oct;3(3):183–92 (29 ref.) (Eng. Abstr.) **(Jpn)**

ANALYSIS

Ki–1+ anaplastic large–cell lymphoma of T–cell origin in an HIV–infected patient. González–Clemente JM, et al. **AIDS** 1991 Jun;5(6):751–5 (38 ref.)
CD5+ B cells in autoimmune disease and lymphoid malignancy. Shirai T, et al. **Clin Immunol Immunopathol** 1991 May;59(2):173–86 (80 ref.)
Review of the incidence and clinical relevance of myeloid antigen–positive acute lymphoblastic leukemia. Drexler HG, et al. **Leukemia** 1991 Aug;5(8):637–45 (86 ref.)
Lymphomatoid papulosis and Ki–1 (CD30)–positive cutaneous large cell lymphomas. Kaudewitz P, et al. **Semin Diagn Pathol** 1991 May;8(2):117–24 (46 ref.)

BLOOD

Soluble molecules in lymphoproliferative disorders. Vinante F, et al. **Leukemia** 1991;5 Suppl 1:18–21 (45 ref.)

CHEMISTRY

Novel structurally distinct family of leucocyte surface glycoproteins including CD9, CD37, CD53 and CD63. Hořejší V, et al. **FEBS Lett** 1991 Aug 19;288(1–2):1–4 (34 ref.)

CLASSIFICATION

Antibody–defined cell surface molecules of the immune system. Knapp W, et al. **Curr Opin Immunol** 1989–90; 2(6):884–91 (31 ref.)
Human leucocyte differentiation antigens: review of the CD nomenclature. Erber WN. **Pathology** 1990 Apr;22(2):61–9 (53 ref.)

GENETICS

[Plasmocytoma: immunology and molecular genetics] Michels M, et al. **Med Klin** 1990 Sep 15;85(9):548–54 (51 ref.) **(Ger)**
[Immunocytological phenotyping of leukemias and lymphomas. Methods, results, indications and significance] Schwonzen M, et al. **Med Klin** 1990 Sep 15;85(9):533–47 (151 ref.) **(Ger)**
[Phenotypical and functional characterization of leukocytes—the CD–system] Holter W, et al. **Wien Klin Wochenschr** 1991;103(9):247–62 (73 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Multiple receptors for endotoxin. Wright SD. **Curr Opin Immunol** 1991 Feb;3(1):83–90 (43 ref.)
Cell–surface molecules in the regulation of immune responsiveness. Zaleski MB. **Immunol Invest** 1991 Apr; 20(2):103–31 (88 ref.)
The role of OKT3 in clinical transplantation. Norman DJ, et al. **Pediatr Nephrol** 1991 Jan;5(1):130–6 (106 ref.)

PHYSIOLOGY

Neuropeptide signalling and cell–surface peptidases. Turner AJ. **Adv Second Messenger Phosphoprotein Res** 1990; 24:467–71 (23 ref.)
The pivotal role of the Leu–CAM and ICAM molecules in human leukocyte adhesion. Gahmberg CG, et al. **Cell Differ Dev** 1990 Dec 2;32(3):239–45 (39 ref.)
Sialophorin (CD43) and the Wiskott–Aldrich syndrome. Remold–O'Donnell E, et al. **Immunodefic Rev** 1990; 2(2):151–74 (80 ref.)
Functional role of CD44 (Pgp–1) on activated B cells. Murakami S, et al. **Immunol Res** 1991;10(1):15–27 (45 ref.)
CD4 and CD8 recognition of class II and class I molecules of the major histocompatibility complex. Fleury SG, et al. **Semin Immunol** 1991 May;3(3):177–85 (57 ref.)
The roles of CD4 and CD8 in T cell activation. Miceli MC, et al. **Semin Immunol** 1991 May;3(3):133–41 (68 ref.)
CD4 and CD8 act as co–receptors during thymic selection of the T cell repertoire. Zúñiga–Pflücker JC, et al. **Semin Immunol** 1991 May;3(3):167–75 (77 ref.)
The CD1 system. Calabi F, et al. **Tissue Antigens** 1991 Jan; 37(1):1–9 (75 ref.)

ANTIGENS, CD4

see related
HIV ENVELOPE PROTEIN GP120

ADMINISTRATION & DOSAGE

Relative resistance of primary HIV–1 isolates to neutralization by soluble CD4. Daar ES, et al. **Am J Med** 1991 Apr 10;90(4A):22S–26S (30 ref.)

ANTAGONISTS & INHIBITORS

CD4 antibody therapy in systemic lupus erythematosus. Wofsy D, et al. **Semin Immunol** 1990 Nov;2(6):419–25 (44 ref.)

IMMUNOLOGY

Peptides derived from the CDR3–homologous domain of the CD4 molecule are specific inhibitors of HIV–1 and SIV infection, virus–induced cell fusion, and postinfection viral transmission in vitro. Implications for the design of small peptide anti–HIV therapeutic agents. Rausch DM, et al. **Ann N Y Acad Sci** 1990;616:125–48 (79 ref.)

Treatment of autoimmune disease with monoclonal anti–CD4 antibodies. Waldor MK. **Immunol Ser** 1989;45:573–86 (27 ref.)

[Receptor of cells with infection of AIDS virus] Xu TG. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):29–33 (29 ref.) **(Chi)**

METABOLISM

CD4, CD8 and the TCR–CD3 complex: a novel class of protein–tyrosine kinase receptor. Rudd CE. **Immunol Today** 1990 Nov;11(11):400–6 (65 ref.)

PHYSIOLOGY

CD4 and CD8 recognition of class II and class I molecules of the major histocompatibility complex. Fleury SG, et al. **Semin Immunol** 1991 May;3(3):177–85 (57 ref.)

The co–receptor function of CD4. Janeway CA Jr. **Semin Immunol** 1991 May;3(3):153–60 (56 ref.)

Functional consequences of CD4–TCR/CD3 interactions. Julius M, et al. **Semin Immunol** 1991 May;3(3):161–6 (49 ref.)

The roles of CD4 and CD8 in T cell activation. Miceli MC, et al. **Semin Immunol** 1991 May;3(3):133–41 (68 ref.)

The interaction of CD4 with HIV–1 gp120. Silberman SL, et al. **Semin Immunol** 1991 May;3(3):187–92 (50 ref.)

CD4 and CD8 act as co–receptors during thymic selection of the T cell repertoire. Zúñiga–Pflücker JC, et al. **Semin Immunol** 1991 May;3(3):167–75 (77 ref.)

THERAPEUTIC USE

The chronically infected cell as a target for the treatment of HIV infection and AIDS. Petteway SR Jr, et al. **Trends Pharmacol Sci** 1991 Jan;12(1):28–34 (38 ref.)

ANTIGENS, DIFFERENTIATION

Chagas' disease: CD5 B–cell–dependent Th2 pathology? Minoprio P. **Res Immunol** 1991 Feb;142(2):137–40 (23 ref.)

ANALYSIS

Tumor factors predicting for prognosis in metastatic breast cancer. The presence of P24 predicts for response to treatment and duration of survival. Seymour L, et al. **Cancer** 1990 Dec 1;66(11):2390–4 (49 ref.)

Antigens of melanocytes and melanoma. Lynch SA, et al. **Cancer Metastasis Rev** 1991 Jun;10(2):141–50 (38 ref.)

CD5+ B cells in autoimmune disease and lymphoid malignancy. Shirai T, et al. **Clin Immunol Immunopathol** 1991 May;59(2):173–86 (80 ref.)

Lymphocyte ontogeny and membrane markers. Goust JM. **Immunol Ser** 1990;50:173–94 (6 ref.)

Characterization of Thy–1 with monoclonal antibodies and evidence of Thy–3. Naquet P, et al. **Immunol Ser** 1989; 45:99–117 (30 ref.)

CD5+ B lymphocytes. Kasaian MT, et al. **Proc Soc Exp Biol Med** 1991 Jul;197(3):226–41 (154 ref.)

[Differentiation and transplantation antigens on the surface of mononuclear cells of cattle, horses and dogs] Schuberth HJ, et al. **Tierarztl Prax** 1991 Apr;19(2):119–22 (13 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

The murine alpha Fc gamma R gene product: identification, expression and regulation. Daëron M, et al. **Mol Immunol** 1990 Dec;27(12):1181–8 (38 ref.)

Molecular and functional studies of recombinant soluble Fc gamma receptors. Sautès C, et al. **Mol Immunol** 1990 Dec; 27(12):1201–7 (29 ref.)

IMMUNOLOGY

Contributions of mesangial cells to glomerular immune functions. Schlondorff D, et al. **Klin Wochenschr** 1990 Nov 16;68(22):1138–44 (43 ref.)

METABOLISM

Molecular biology of IgE–binding protein, IgE–binding factors, and IgE receptors. Liu FT. **Crit Rev Immunol** 1990; 10(3):289–306 (116 ref.)

PHYSIOLOGY

Signal transduction mechanisms through Fc gamma receptors on the mouse macrophage surface. Suzuki T. **FASEB J** 1991 Feb;5(2):187–93 (56 ref.)

Drosophila to bacteriophage to erythrocyte: the erythrocyte as a model for molecular and membrane aging of terminally differentiated cells. Kay MM. **Gerontology** 1991; 37(1–3):5–32 (114 ref.)

Human Fc gamma receptor II: a standby receptor activated by proteolysis? Tax WJ, et al. **Immunol Today** 1990 Sep; 11(9):308–10 (35 ref.)

Structure and function of human and murine receptors for IgG. Galzie Z. **Indian J Biochem Biophys** 1991 Apr; 28(2):77–82 (51 ref.)

Possible mechanism of action of CD1a antigens. Hanau D, et al. **J Invest Dermatol** 1990 Nov;95(5):503–5 (36 ref.)

Carbohydrate differentiation antigens: probable ligands for cell adhesion molecules [published erratum appears in Trends Biochem Sci 1991 May;16(5):172] Feizi T. **Trends Biochem Sci** 1991 Mar;16(3):84–6 (33 ref.)

ANTIGENS, DIFFERENTIATION, B-CELL see **ANTIGENS, DIFFERENTIATION, B-LYMPHOCYTE**

ANTIGENS, DIFFERENTIATION, B-LYMPHOCYTE

Expression, structure, and function of the CD23 antigen. Delespesse G, et al. **Adv Immunol** 1991;49:149–91 (232 ref.)

BLOOD

Soluble molecules in lymphoproliferative disorders. Vinante F, et al. **Leukemia** 1991;5 Suppl 1:18–21 (45 ref.)

CHEMISTRY

Immunoglobulin E receptors. Gould H, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:138–47 (22 ref.)

GENETICS

Molecular genetics and biology of two different species of Fc epsilon RII. Kikutani H, et al. **Res Immunol** 1990 Mar–Apr;141(3):249–58 (48 ref.)

[The role of HLA antigens class II in differentiation of normal and pathological B–lymphocytes. I. Normal hematopoiesis] Pluta A. **Acta Haematol Pol** 1990 Jan–Jun; 21(1):113–7 (37 ref.) **(Pol)**

[The role of HLA antigens class II in differentiation of normal and pathological B–lymphocytes. II. HLA–D expression in leukemia and non–Hodgkin's lymphoma] Pluta A. **Acta Haematol Pol** 1990 Jan–Jun;21(1):118–23 (37 ref.) **(Pol)**

IMMUNOLOGY

Role of CD23 in IgE regulation ... and beyond. Gordon J, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991;21B:983–8 (14 ref.)

B–cell monoclonal antibodies and their use in clinical oncology. Freedman AS, et al. **Cancer Invest** 1991; 9(1):69–84 (144 ref.)

Role of B cell antigen processing and presentation in the humoral immune response. Myers CD. **FASEB J** 1991 Aug; 5(11):2547–53 (54 ref.)

CD40: a cytokine receptor in search of a ligand. Clark EA. **Tissue Antigens** 1990 Jul;36(1):33–6 (32 ref.)

[Dawn of molecular understanding in allergy] Chisei R, et al. **Tanpakushitsu Kakusan Koso** 1991 Jan;36(1):81–91 (52 ref.) **(Jpn)**

[Morpho–functional interrelations in the development of immunologic memory] Liashchenko KP. **Fiziol Zh** 1990 Nov–Dec;36(6):107–15 (76 ref.) (Eng. Abstr.) **(Rus)**

METABOLISM

An update on human CD23 (Fc epsilon RII). Fc epsilon RII and IgE–BFs (soluble CD23) play an essential role in the regulation of human IgE synthesis. Delespesse G, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:153–61 (38 ref.)

The high affinity receptor for IgE on mast cells. Metzger H. **Clin Exp Allergy** 1991 May;21(3):269–79 (87 ref.)

Molecular biology of IgE–binding protein, IgE–binding factors, and IgE receptors. Liu FT. **Crit Rev Immunol** 1990; 10(3):289–306 (116 ref.)

Were lectins primitive Fc receptors? Hajela K. **Immunol Lett** 1991 Mar;27(3):183–90 (80 ref.)

PHYSIOLOGY

Biology of human immunoglobulin G Fc receptors. van de Winkel JG, et al. **J Leukoc Biol** 1991 May;49(5):511–24 (156 ref.)

The role of high and low affinity IgE receptors in cell signalling processes. Stanworth DR, et al. **Mol Immunol** 1990 Dec;27(12):1291–6 (25 ref.)

Receptors for IgA and IgE on T and B lymphocytes: development, regulation and function. Lynch RG, et al. **Res Immunol** 1990 Mar–Apr;141(3):241–8 (53 ref.)

The IgE receptor of eosinophils. Capron M, et al. **Springer Semin Immunopathol** 1990;12(4):327–48 (102 ref.)

Fc epsilon receptor II–positive macrophages and platelets: potent effector cells in allergy and defence against helminth parasites. Dessaint JP, et al. **Springer Semin Immunopathol** 1990;12(4):349–63 (78 ref.)

The receptor for the Fc region of IgE. Keegan AD, et al. **Springer Semin Immunopathol** 1990;12(4):303–26 (157 ref.)

ANTIGENS, DIFFERENTIATION, T-LYMPHOCYTE

ANTAGONISTS & INHIBITORS

Monoclonal antibodies to CD3 as immunosuppressants. Chatenoud L, et al. **Semin Immunol** 1990 Nov;2(6):437–47 (83 ref.)

BLOOD

Soluble molecules in lymphoproliferative disorders. Vinante F, et al. **Leukemia** 1991;5 Suppl 1:18–21 (45 ref.)

GENETICS

Towards a molecular understanding of T–cell differentiation. Clevers HC, et al. **Immunol Today** 1991 Feb;12(2):86–92 (58 ref.)

IMMUNOLOGY

Antigen–presenting cells for CD8+ T cells. Sprent J, et al. **Immunol Rev** 1990 Oct;117:213–34 (38 ref.)

The role of OKT3 in clinical transplantation. Norman DJ, et al. **Pediatr Nephrol** 1991 Jan;5(1):130–6 (106 ref.)

METABOLISM

CD4, CD8 and the TCR–CD3 complex: a novel class of protein–tyrosine kinase receptor. Rudd CE. **Immunol Today** 1990 Nov;11(11):400–6 (65 ref.)

PHYSIOLOGY

Relationship between the T–cell receptor–T3 complex and Thy–1. Balk S, et al. **Immunol Ser** 1989;45:411–6 (39 ref.)

Rat Thy–1 antigen and its relation to RT–6. Thiele HG. **Immunol Ser** 1989;45:149–70 (109 ref.)

Sideways killing mediated by either anti–TCR or anti–T3 antibodies: use of both high and low avidity Fc receptor and cell adhesion molecules. Ito M, et al. **Int Rev Immunol** 1989 May;4(2):133–44 (30 ref.)

The induction of T cell–mediated cytolysis by monoclonal antibodies against the T cell receptor/CD3 complex. Spits H, et al. **Int Rev Immunol** 1989 May;4(2):115–32 (85 ref.)

CD4 and CD8 recognition of class II and class I molecules of the major histocompatibility complex. Fleury SG, et al. **Semin Immunol** 1991 May;3(3):177–85 (57 ref.)

Functional consequences of CD4–TCR/CD3 interactions. Julius M, et al. **Semin Immunol** 1991 May;3(3):161–6 (49 ref.)

The roles of CD4 and CD8 in T cell activation. Miceli MC, et al. **Semin Immunol** 1991 May;3(3):133–41 (68 ref.)

CD4 and CD8 act as co–receptors during thymic selection of the T cell repertoire. Zúñiga–Pflücker JC, et al. **Semin Immunol** 1991 May;3(3):167–75 (77 ref.)

ANTIGENS, DIFFERENTIATION, MYELOMONOCYTIC

ANALYSIS

Review of the incidence and clinical relevance of myeloid antigen–positive acute lymphoblastic leukemia. Drexler HG, et al. **Leukemia** 1991 Aug;5(8):637–45 (86 ref.)

IMMUNOLOGY

Multiple receptors for endotoxin. Wright SD. **Curr Opin Immunol** 1991 Feb;3(1):83–90 (43 ref.)

ANTIGENS, FUNGAL

ANALYSIS

Antigenic structure of Coccidioides immitis. Cox RA. **Immunol Ser** 1989;47:133–70 (113 ref.)

Circulating antigens in systemic fungal diseases. de Repentigny L. **Immunol Ser** 1989;47:471–84 (65 ref.)

Antigenic structure of Candida albicans. Electronmicroscopic localization of polysaccharide and immunodeterminants in the cell wall. Garzon S, et al. **Immunol Ser** 1989;47:3–36 (103 ref.)

Antigenic structure of Aspergillus species. Hearn VM, et al. **Immunol Ser** 1989;47:87–111 (118 ref.)

Antigenic structure of Cryptococcus neoformans capsular polysaccharides. Kozel TR. **Immunol Ser** 1989;47:63–86 (70 ref.)

Serological procedures to detect dermatophyte antigens. Polonelli L, et al. **Immunol Ser** 1989;47:419–57 (427 ref.)

Antigenic structure of Paracoccidioides brasiliensis. San–Blas G, et al. **Immunol Ser** 1989;47:171–92 (54 ref.)

Antigenic structures of Sporothrix schenckii. Travassos LR. **Immunol Ser** 1989;47:193–221 (87 ref.)

DIAGNOSTIC USE

[Antigenic preparations for the immunodiagnosis of candidiasis] Karaev ZO, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Jul;(7):104–10 (36 ref.) **(Rus)**

IMMUNOLOGY

Fungal skin test antigens. Auger P. **Immunol Ser** 1989;

47:459–69 (27 ref.)
Antigenic structure of Candida albicans. Immunochemical basis of the serologic specificity of the mannans in yeasts. Fukazawa Y. **Immunol Ser** 1989;47:37–62 (60 ref.)

ANTIGENS, HELMINTH

The coexistence of Taenia solium cysticerci and the pig: role of the antigen B. Laclette JP, et al. **Acta Leiden** 1989; 57(2):115–22 (34 ref.)
[Serology of hydatidosis] Gadea I, et al.
Enferm Infecc Microbiol Clin 1991 Apr;9(4):237–47 (110 ref.) **(Spa)**

ANALYSIS

The analysis of the 30 kDa antigen of Brugia pahangi and its interaction with the cuticle: a short review. Devaney E, et al. **Acta Trop (Basel)** 1990 Jul;47(5–6):365–72 (19 ref.)

BLOOD

Parasite antigenemia in lymphatic filariasis. Weil GJ.
Exp Parasitol 1990 Oct;71(3):353–6 (16 ref.)

GENETICS

Immunology and molecular biology of Echinococcus infections. Lightowlers MW. **Int J Parasitol** 1990 Jul; 20(4):471–8 (70 ref.)

IMMUNOLOGY

Schistosome vaccines. Taylor DW. **Experientia** 1991 Feb 15; 47(2):152–7 (61 ref.)
Heat shock proteins as vaccine candidates. Newport GR. **Semin Immunol** 1991 Jan;3(1):17–24 (74 ref.)
[Advances in immunologic research in schistosomiasis] Fu Q. **Chung Hua I Hsueh Tsa Chih** 1990 Sep;70(9):534–6 (21 ref.) **(Chi)**

ANTIGENS, HETEROGENETIC see **ANTIGENS, HETEROPHILE**

ANTIGENS, HETEROPHILE

IMMUNOLOGY

[The antigenic divergence of tumor cells due to the expression of hetero-organic antigens as a manifestation of disordered differentiation in carcinogenesis] Fel' VIa. **Tsitologiia** 1990;32(5):407–21 (99 ref.) (Eng. Abstr.) **(Rus)**

ANTIGENS, HLA-B see **HLA-B ANTIGENS**

ANTIGENS, IMMUNE RESPONSE see **HISTOCOMPATIBILITY ANTIGENS CLASS II**

ANTIGENS, IMMUNODOMINANT see **IMMUNODOMINANT EPITOPES**

ANTIGENS, LY

ANALYSIS

A function for Ly-1+ B cells. Hardin JA, et al.
Proc Soc Exp Biol Med 1990 Nov;195(2):172–82 (67 ref.)

ANTIGENS, NEOPLASM

Prostate specific antigen. A review. Brawer MK.
Acta Oncol 1991;30(2):161–8 (41 ref.)
Monoclonal antibodies as applied to tumor-associated antigens: the CO17–1A antigen. Ross AH, et al.
Immunol Ser 1989;43:107–22 (68 ref.)
Mucinic tumor markers recognized by monoclonal antibodies. Seregni E, et al. **J Nucl Med Allied Sci** 1990 Oct–Dec;34(4):314–20 (31 ref.)
Prostate specific antigen: a critical assessment of the most useful tumor marker for adenocarcinoma of the prostate. Oesterling JE. **J Urol** 1991 May;145(5):907–23 (112 ref.)
Prostate-specific antigen and prostatic acid phosphatase: biomolecular and physiologic characteristics. Bilhartz DL, et al. **Urology** 1991 Aug;38(2):95–102 (83 ref.)
[Urothelial tumor markers: update] de Castro F, et al.
Rev Med Univ Navarra 1990 Jul–Sep;34(3):167–71 (36 ref.) (Eng. Abstr.) **(Spa)**

ANALYSIS

Ki-1+ anaplastic large-cell lymphoma of T-cell origin in an HIV-infected patient. González-Clemente JM, et al. **AIDS** 1991 Jun;5(6):751–5 (38 ref.)
Prostatic specific antigen. Shearer RJ. **Br J Urol** 1991 Jan; 67(1):1–5 (28 ref.)
DNA ploidy and prostate-specific antigen as prognostic factors in clinically resectable prostate cancer. Badalament RA, et al. **Cancer** 1991 Jun 15;67(12):3014–23 (51 ref.)
Antigens of melanocytes and melanoma. Lynch SA, et al. **Cancer Metastasis Rev** 1991 Jun;10(2):141–50 (38 ref.)
Augmentation of tumor antigen expression by recombinant human interferons: enhanced targeting of monoclonal antibodies to carcinomas. Greiner JW, et al.
Cancer Treat Res 1990;51:413–32 (59 ref.)
Ganglioside antigens in tissue sections of skin, naevi, and melanoma--implications for treatment of melanoma. Hersey P. **Cancer Treat Res** 1991;54:137–51 (48 ref.)
Pitfalls in the clinical application of monoclonal antibodies in malignant melanoma: modulation by and impaired accessibility of antigens to monoclonal antibodies. Tilgen W, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):357–71 (45 ref.)
Monoclonal antibodies to renal cancer antigens. Bander NH. **Eur Urol** 1990;18 Suppl 2:10–2 (10 ref.)
Monoclonal antibodies to human tumor nucleolar antigens: probes for studying biological function and determining clinical significance. Freeman JW, et al.
Hum Antibodies Hybridomas 1991 Jan;2(1):4–10 (36 ref.)
Markers of central nervous system tumors. Birkmayer GD.
Immunol Ser 1990;53:317–22 (32 ref.)
Prostate cancer-associated markers. Chu TM.
Immunol Ser 1990;53:339–56 (71 ref.)
Mucin glycoproteins as tumor markers. Feller WF, et al.
Immunol Ser 1990;53:631–72 (299 ref.)
Immunodiagnosis of acute nonlymphocytic leukemia. Hurwitz CA, et al. **Immunol Ser** 1990;53:265–87 (126 ref.)
Uterine tumors. Kato H. **Immunol Ser** 1990;53:385–95 (56 ref.)
Pancarcinoma T and Tn epitopes: autoimmunogens and diagnostic markers that reveal incipient carcinomas and help establish prognosis. Springer GF, et al.
Immunol Ser 1990;53:587–612 (137 ref.)
Composition and production of pancreatic tumor related antigens. Appert HE. **Int J Pancreatol** 1990 Aug–Nov; 7(1–3):13–24 (34 ref.)
In vivo and in vitro clinical applications of monoclonal antibodies against TAG-72. Colcher D, et al.
Int J Rad Appl Instrum [B] 1991;18(4):395–401 (46 ref.)
The present role of prostatic specific antigen (PSA) as a tumor marker in carcinoma of the prostate. Parra RO.
Mo Med 1991 Jun;88(6):349–52 (18 ref.)
Lymphomatoid papulosis and Ki-1 (CD30)-positive cutaneous large cell lymphomas. Kaudewitz P, et al.
Semin Diagn Pathol 1991 May;8(2):117–24 (46 ref.)
Prostatic specific antigen in diagnosis and management of prostate cancer. Lange PH. **Urology** 1990 Nov;36(5 Suppl):25–9 (24 ref.)
[Value and limitations of neoplasm markers in the diagnosis of pancreatic carcinoma] Fabris C, et al.
Recenti Prog Med 1991 Mar;82(3):166–72 (34 ref.) (Eng. Abstr.) **(Ita)**
[Antigenic markers in the cytological diagnosis of human malignant neoplasms] Frank GA, et al. **Arkh Patol** 1990; 52(8):70–4 (53 ref.) (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Mixed-lineage leukemia and asynchronous antigen expression. Hurwitz CA, et al.
Hematol Oncol Clin North Am 1990 Aug;4(4):767–94 (174 ref.)

BLOOD

Breast epithelial antigens in the circulation of breast cancer patients. Ceriani RL, et al. **Immunol Ser** 1990;53:223–41 (76 ref.)
Serum tumor markers for pancreatic carcinoma. Fritsche HA Jr, et al. **Immunol Ser** 1990;53:289–96 (53 ref.)
Tumour markers of hepatocellular carcinoma. Kew MC.
J Gastroenterol Hepatol 1989 Jul–Aug;4(4):373–84 (65 ref.)
Soluble molecules in lymphoproliferative disorders. Vinante F, et al. **Leukemia** 1991;5 Suppl 1:18–21 (45 ref.)
Prostate-specific antigen: a valuable clinical tool. Oesterling JE. **Oncology (Williston Park)** 1991 Apr;5(4):107–22; discussion 122, 125–6, 128 (75 ref.)
Tumour markers in monitoring the treatment of advanced prostate cancer. Cooper EH, et al. **Prog Clin Biol Res** 1990; 359:65–72; discussion 73–4 (14 ref.)
Laboratory studies for the detection of carcinoma of the prostate. Brawer MK. **Urol Clin North Am** 1990 Nov; 17(4):759–68 (66 ref.)

CHEMISTRY

[Prostate-specific antigen (PSA) is a valuable marker--if correctly used] Ekman P. **Lakartidningen** 1991 Jun 12; 88(24):2207–8 (10 ref.) **(Swe)**

GENETICS

Human melanoma-associated antigens. Graf LH Jr, et al.
Immunol Ser 1989;43:643–79 (147 ref.)

IMMUNOLOGY

Radioimmunolocalization of tumours of the pancreas and biliary tree. Allum WH. **Baillieres Clin Gastroenterol** 1990 Dec;4(4):853–67 (63 ref.)
Immune modulation and cancer. Sikora K, et al.
Br Med Bull 1991 Jan;47(1):209–26 (21 ref.)
Tumor targeting with monoclonal antibody B72.3: experimental and clinical results. Schlom J, et al.
Cancer Treat Res 1990;51:313–35 (44 ref.)
Characterization and molecular biology of tumor-associated antigens. Thurin J. **Curr Opin Immunol** 1989–90;2(5):702–7 (26 ref.)
Tumor immunology. Naftzger C, et al. **Curr Opin Oncol** 1991 Feb;3(1):93–9 (30 ref.)
In vivo and in vitro clinical applications of monoclonal antibodies against TAG-72. Colcher D, et al.
Int J Rad Appl Instrum [B] 1991;18(4):395–401 (46 ref.)
Applications of monoclonal antibodies and recombinant cytokines for the treatment of human colorectal and other carcinomas. Greiner JW, et al. **J Surg Oncol Suppl** 1991; 2:9–13 (15 ref.)
Radiolabelled monoclonal antibodies in oncology. III. Radioimmunotherapy. Britton KE, et al.
Nucl Med Commun 1991 Apr;12(4):333–47 (57 ref.)
Radiolabelled monoclonal antibodies in oncology. I. Technical aspects. Britton KE, et al.
Nucl Med Commun 1991 Jan;12(1):65–76 (25 ref.)
Radiolabelled monoclonal antibodies in oncology. II. Clinical applications in diagnosis. Granowska M, et al.
Nucl Med Commun 1991 Feb;12(2):83–98 (40 ref.)
Tumor-specific immunogenicity of stress-induced proteins: convergence of two evolutionary pathways of antigen presentation? Srivastava PK, et al. **Semin Immunol** 1991 Jan;3(1):57–64 (66 ref.)
[Use of radiolabeled monoclonal antibodies for diagnostic imaging] Endo K.
Nippon Igaku Hoshasen Gakkai Zasshi 1990 Aug 25; 50(8):901–9 (12 ref.) (Eng. Abstr.) **(Jpn)**
[New molecular aspects of therapy of small cell carcinoma of the lung] Rokicki W, et al. **Pol Tyg Lek** 1990 Aug 6–13; 45(32–33):680–3 (46 ref.) **(Pol)**
[The antigenic divergence of tumor cells due to the expression of hetero-organic antigens as a manifestation of disordered differentiation in carcinogenesis] Fel' VIa. **Tsitologiia** 1990;32(5):407–21 (99 ref.) (Eng. Abstr.) **(Rus)**

METABOLISM

Modulation of melanoma antigens by interferons. Murray JL, et al. **Cancer Treat Res** 1991;54:153–67 (41 ref.)

PHYSIOLOGY

Structure, function, and clinical significance of human tumor antigens. Herlyn M, et al. **J Natl Cancer Inst** 1990 Dec 19;82(24):1883–9 (92 ref.)

URINE

Detection of exfoliated bladder cancer cells by monoclonal antibodies to tumor-associated cell surface antigens. Lin CW, et al. **J Occup Med** 1990 Sep;32(9):910–6 (42 ref.)

ANTIGENS, NEOPLASM, VIRAL see **ANTIGENS, VIRAL, TUMOR**

ANTIGENS, POLYOMAVIRUS TRANSFORMING

METABOLISM

Regulation of steroid hydroxylases in normal and SV40 T antigen-transfected bovine adrenocortical cells in long-term culture. Hornsby PJ. **Endocr Res** 1991; 17(1–2):109–34 (35 ref.)

ANTIGENS, PROTOZOAN

Antigenic variation in parasitic protozoa. Langsley G, et al.
Microbiol Sci 1987 Sep;4(9):280–5 (27 ref.)
Control of antigenic variation in African trypanosomes. Van der Ploeg LH. **New Biol** 1991 Apr;3(4):324–30 (85 ref.)

BLOOD

Vesicle-mediated transport of membrane and proteins in malaria-infected erythrocytes [see comments] Barnwell JW. **Blood Cells** 1990;16(2–3):379–95 (80 ref.) Comment in: Blood Cells 1990;16(2–3):396–400.

CHEMISTRY

Structure and possible function of Plasmodium falciparum proteins exported to the erythrocyte membrane. Knapp B, et al. **Parasitol Res** 1991;77(4):277–82 (43 ref.)

GENETICS

Genetic aspects of malaria parasite infection and the host immune response in relation to parasite evasion. Pereira da Silva L. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:15–7 (20 ref.)
Molecular genetics of antigenic variation. Borst P.
Immunol Today 1991 Mar;12(3):A29–33 (46 ref.)

IMMUNOLOGY

Sporozoite malaria vaccine. Where do we stand? Nussenzweig V, et al. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:49–52 (19 ref.)
T-cell reactivity to purified lipophosphoglycan from Leishmania major: a model for analysis of the cellular immune response to microbial carbohydrates. Moll H, et al. **Behring Inst Mitt** 1991 Feb;(88):161–9 (54 ref.)
Immune responses to sporozoite antigens and their relationship to naturally acquired immunity to malaria. Greenwood BM. **Bull World Health Organ** 1990;68 Suppl:184–90 (18 ref.)
The circumsporozoite protein of Plasmodium: a mechanism of immune evasion by the malaria parasite? Schofield L.

Bull World Health Organ 1990;68 Suppl:66–73 (51 ref.)
Malaria vaccine. Certa U. **Experientia** 1991 Feb 15; 47(2):157–63 (31 ref.)
Liposomes containing lipid A: a potent nontoxic adjuvant for a human malaria sporozoite vaccine. Alving CR, et al. **Immunol Lett** 1990 Aug;25(1–3):275–9 (27 ref.)
Immunogenicity of Plasmodium falciparum sexual stage antigens: implications for the design of a transmission blocking vaccine. Kaslow DC. **Immunol Lett** 1990 Aug; 25(1–3):83–6 (11 ref.)
Measuring cellular immune responses to malaria antigens in endemic populations: epidemiological, parasitological and physiological factors which influence in vitro assays. Riley E, et al. **Immunol Lett** 1990 Aug;25(1–3):221–9 (56 ref.)
Malaria antigens and MHC restriction. Sinigaglia F, et al. **Immunol Lett** 1990 Aug;25(1–3):265–70 (25 ref.)
Naturally acquired immunity to Plasmodium falciparum. Day KP, et al. **Immunol Today** 1991 Mar;12(3):A68–71 (37 ref.)
Antigenic polymorphism in malaria: is it an important mechanism for immune evasion? Mendis KN, et al. **Immunol Today** 1991 Mar;12(3):A34–7 (43 ref.)
Human immune responses against sexual stages of malaria parasites: considerations for malaria vaccines. Mendis KN, et al. **Int J Parasitol** 1990 Jul;20(4):497–502 (23 ref.)
Development of recombinant antigen vaccines for the control of theileriosis. Musoke AJ, et al. **Parassitologia** 1990 Apr; 32(1):73–85 (65 ref.)
Immunogenicity of Trypanosoma cruzi cysteine proteinase. Arnholdt AC, et al. **Res Immunol** 1991 Feb;142(2):146–51 (44 ref.)
Antigens of Trypanosoma cruzi that mimic mammalian nervous tissues: investigations of their role in the autoimmune pathophysiology of chronic Chagas' disease. Petry K, et al. **Res Immunol** 1991 Feb;142(2):151–6 (27 ref.)
Immunity to sexual stages of human malaria parasites: immune modulation during natural infections, antigenic determinants, and the induction of transmission-blocking immunity. Targett G. **Scand J Infect Dis Suppl** 1990; 76:79–88 (31 ref.)
Progress toward malaria preerythrocytic vaccines. Hoffman SL, et al. **Science** 1991 Apr 26;252(5005):520–1 (27 ref.)
Heat shock proteins as vaccine candidates. Newport GR. **Semin Immunol** 1991 Jan;3(1):17–24 (74 ref.)
[Antigens in Trypanosoma cruzi] Búa JE, et al. **Rev Argent Microbiol** 1990 Jan–Mar;22(1):37–55 (143 ref.) **(Spa)**

ANTIGENS, SURFACE

N-CAM is a target cell surface antigen for the purification of muscle cells for myoblast transfer therapy. Walsh FS. **Adv Exp Med Biol** 1990;280:41–5; discussion 46 (18 ref.)
Surface antigens of human leukocytes. Hořejší V. **Adv Immunol** 1991;49:75–147 (620 ref.)

ADMINISTRATION & DOSAGE

Effective transfer of membrane proteins from intact cells to liposomes and preparation of liposomal vaccines. Sunamoto J, et al. **Ann N Y Acad Sci** 1990;613:116–27 (22 ref.)

ANALYSIS

Membrane antigens of endocrine, large dense-core and small synaptic vesicles. Winkler H, et al. **Biochem Soc Trans** 1991 Feb;19(1):79–83 (44 ref.)
Distribution of Thy-1 in invertebrates and ectothermic vertebrates. Cooper EL, et al. **Immunol Ser** 1989; 45:197–219 (59 ref.)
The human Thy-1 molecule. Dalchau R, et al. **Immunol Ser** 1989;45:185–96 (30 ref.)
Expression of Thy-1 in the nervous system of the rat and mouse. Morris R, et al. **Immunol Ser** 1989;45:121–48 (93 ref.)
Characterization of Thy-1 with monoclonal antibodies and evidence of Thy-3. Naquet P, et al. **Immunol Ser** 1989; 45:99–117 (30 ref.)
Detection of peptide-MHC class II complexes on the surface of intact cells. Busch R, et al. **J Immunol Methods** 1990 Nov 6;134(1):1–22 (62 ref.)
[In situ determination of the Ki-67 growth fraction (Ki-67 GF) in human tumors (studies in breast cancer)] Lellé RJ. **Acta Histochem Suppl** 1990;39:109–24 (45 ref.) (Eng. Abstr.) **(Ger)**
[Monocyte markers] Schütt C. **Acta Histochem Suppl** 1990; 39:333–7 (3 ref.) (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Maturation of hematolymphoid cells that express Thy-1. Müller-Sieburg CE, et al. **Immunol Ser** 1989;45:289–316 (111 ref.)

BLOOD

The pathobiology of red cell cryptantigen exposure. Novak RW. **Pediatr Pathol** 1990;10(6):867–75 (33 ref.)

CHEMISTRY

Anchoring of Thy-1 to the cell membrane. Low MG. **Immunol Ser** 1989;45:71–83 (53 ref.)
The structure of Thy-1 antigen. Williams AF. **Immunol Ser** 1989;45:49–69 (51 ref.)
The Thy-1 glycoprotein: a three-dimensional model. Perkins SJ, et al. **Trends Biochem Sci** 1988 Aug;13(8):302–3 (9 ref.)

DIAGNOSTIC USE

Monoclonal antibody Ki-67: its use in histopathology. Brown DC, et al. **Histopathology** 1990 Dec;17(6):489–503 (138 ref.)

GENETICS

Expression of the 12E7 antigen is controlled independently by genes on the human X and Y chromosomes. Goodfellow P. **Differentiation** 1983;23 Suppl:S35–9 (38 ref.)
Cellular expression of the Thy-1 glycoprotein: analysis using interlineage hybrids, somatic cell mutants, and transfectants. Hyman R. **Immunol Ser** 1989;45:223–40 (92 ref.)
Structural organization of the Thy-1 gene. Silver J. **Immunol Ser** 1989;45:241–69 (107 ref.)

HISTORY

The discovery of Thy-1 and its development. Reif AE. **Immunol Ser** 1989;45:3–45 (128 ref.)

IMMUNOLOGY

Immunotoxins: selection of cell-surface antigens and their corresponding monoclonal antibodies. Bjorn MJ, et al. **Cancer Treat Res** 1988;37:255–77 (131 ref.)
Sperm and seminal plasma antigens relevant to contraceptive vaccine development. Isojima S. **Curr Opin Immunol** 1989–90;2(5):752–6 (17 ref.)
Sperm surface antigens involved in mammalian fertilization: their role in contraceptive vaccine development for humans. Naz RK. **Curr Opin Immunol** 1989–90;2(5):748–51 (18 ref.)
Treatment of murine lymphoma with anti-Thy-1.1 antibodies. Badger CC, et al. **Immunol Ser** 1989;45:515–29 (32 ref.)
Genetic control of the immune response to the Thy-1 antigens—ten years later. Klein J, et al. **Immunol Ser** 1989; 45:335–66 (67 ref.)
The regulation of antibody responses to antigens of the cell surface: studies with Thy-1 and H-2 antigens. Lake P, et al. **Immunol Ser** 1989;45:367–94 (28 ref.)
Anti-Thy-1 in bone marrow transplantation. Thierfelder S, et al. **Immunol Ser** 1989;45:531–72 (106 ref.)
Thy-1 autoepitopes. Thomas DB, et al. **Immunol Ser** 1989; 45:85–97 (41 ref.)
Immune recognition. MIs: makes a little sense [news; comment] Janeway C. **Nature** 1991 Feb 7;349(6309):459–61 (31 ref.) Comment on: Nature 1991 Feb 7;349(6309):524–6. Comment on: Nature 1991 Feb 7;349(6309):526–8. Comment on: Nature 1991 Feb 7;349(6309):529–30. Comment on: Nature 1991 Feb 7;349(6309):531–2.
[Heterogeneity of surface antigens in chronic B-cell lymphoid leukemia] Pálóczi K, et al. **Orv Hetil** 1991 Jan 6;132(1):7–8, 11–3 (42 ref.) (Eng. Abstr.) **(Hun)**
[New molecular aspects of therapy of small cell carcinoma of the lung] Rokicki W, et al. **Pol Tyg Lek** 1990 Aug 6–13; 45(32–33):680–3 (46 ref.) **(Pol)**
[Surface antigens of male germ cells—their identification and functional analysis] Kurpisz M. **Postepy Hig Med Dosw** 1990;44(1–3):1–19 (85 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Relationship between the T-cell receptor-T3 complex and Thy-1. Balk S, et al. **Immunol Ser** 1989;45:411–6 (39 ref.)
Mitotic triggering of T-cells by anti-Thy-1 antibodies. Norcross MA, et al. **Immunol Ser** 1989;45:397–410 (28 ref.)
The function of Thy-1. Schlesinger M. **Immunol Ser** 1989; 45:589–606 (91 ref.)
Rat Thy-1 antigen and its relation to RT-6. Thiele HG. **Immunol Ser** 1989;45:149–70 (109 ref.)

ANTIGENS, SYNTHETIC see **VACCINES, SYNTHETIC**

ANTIGENS, TUMOR-ASSOCIATED, CARBOHYDRATE

Mucinic tumor markers recognized by monoclonal antibodies. Seregni E, et al. **J Nucl Med Allied Sci** 1990 Oct-Dec;34(4):314–20 (31 ref.)

ANALYSIS

Peptide hormones as tumor markers in neuroendocrine gastrointestinal tumors. Eriksson B, et al. **Acta Oncol** 1991; 30(4):477–83 (30 ref.)
Immunodiagnosis of ovarian tumors. Jacobs I, et al. **Immunol Ser** 1990;53:323–38 (111 ref.)

BLOOD

Tumor markers in ovarian carcinoma. Dudzinski MR. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):52–6 (24 ref.)

IMMUNOLOGY

Cancer-associated carbohydrates identified by monoclonal antibodies. Sell S. **Hum Pathol** 1990 Oct;21(10):1003–19 (154 ref.)

PHYSIOLOGY

Carbohydrate antigen expression in colorectal cancer. Kim YS. **Semin Cancer Biol** 1990 Jun;1(3):189–97 (37 ref.)

ANTIGENS, VIRAL

Retroviral antigen expression on megakaryocytes and platelets: possible implications in the pathogenesis of thrombocytopenia. Grau GE, et al. **Prog Clin Biol Res** 1990;356:275–86 (23 ref.)

ADMINISTRATION & DOSAGE

Prevention of infections of the respiratory tract using the oral application of antigens. Tischner H. **Z Erkr Atmungsorgane** 1991;176(2–3):131–7 (48 ref.)

ANALYSIS

Culture vs direct antigen assays for detection of microbial pathogens from lower respiratory tract specimens suspected of containing the respiratory syncytial virus. Kellogg JA. **Arch Pathol Lab Med** 1991 May;115(5):451–8 (134 ref.)
Immunology of anogenital human papillomavirus (HPV) infection. Tindle RW, et al. **Aust N Z J Obstet Gynaecol** 1990 Nov;30(4):370–5 (45 ref.)
Antigen and antibody detection and update on the diagnosis of dengue. Shope RE. **Southeast Asian J Trop Med Public Health** 1990 Dec; 21(4):642–5 (23 ref.)

BLOOD

Cytomegalovirus antigenemia. The TH, et al. **Rev Infect Dis** 1990 Sep-Oct;12 Suppl 7:S734–44 (32 ref.)

CHEMISTRY

Antigenic variation and the structure of influenza virus glycoproteins. Laver WG. **Microbiol Sci** 1984 May; 1(2):37–43 (24 ref.)

GENETICS

Antigen chimeras of poliovirus. Burke KL, et al. **Prog Med Virol** 1991;38:56–68 (24 ref.)

IMMUNOLOGY

Subunit vaccines against infection by enveloped viruses. Morein B, et al. **Adv Biotechnol Processes** 1990;14:69–90 (91 ref.)
Background paper. Mapping epitopes on coronavirus glycoproteins. Laude H. **Adv Exp Med Biol** 1990; 276:139–42 (6 ref.)
Background paper. Progress towards a coronavirus recombinant DNA vaccine. Spaan WJ. **Adv Exp Med Biol** 1990;276:201–3 (0 ref.)
Characterization of EIAV immunogenicity during persistent infections: humoral responses and antigen targets. Montelaro RC, et al. **Dev Biol Stand** 1990;72:19–30 (17 ref.)
B and T cell epitopes of glycoprotein D of herpes simplex virus type 1. Welling-Webster S, et al. **FEMS Microbiol Immunol** 1991 Apr;3(2):59–68 (75 ref.)
Antigenic structures recognized by cytotoxic T lymphocytes. Tsomides TJ, et al. **J Biol Chem** 1991 Feb 25;266(6):3357–60 (61 ref.)
Antigenic structure of poliovirus. Minor PD. **Microbiol Sci** 1986 May;3(5):141–4 (12 ref.)
IgG subclass distribution of antibodies to bacterial and viral antigens. Ferrante A, et al. **Pediatr Infect Dis J** 1990 Aug; 9(8 Suppl):S16–24 (49 ref.)
Antigenic and biochemical studies of influenza viruses isolated in defined community epidemics have allowed the development of a new experimental inactivated vaccine. Oxford JS. **Prog Med Virol** 1991;38:180–203 (35 ref.)
Peptide vaccines for viral diseases. Francis MJ. **Sci Prog** 1990; 74(293 Pt 1):115–30 (42 ref.)
Non-A, non-B hepatitis and the anti-HCV assay. Barbara JA, et al. **Vox Sang** 1991;60(1):1–7 (33 ref.)
[General and specific factors of protective reactions in viral infection (facts and hypotheses)] Dubrovina TIa, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):3–7 (49 ref.) (Eng. Abstr.) **(Rus)**
[Formation of target cells in the immunocompetent organ (spleen) of mice with experimental infection caused by influenza A viruses with various properties] Shidlovskaia NK, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):23–7 (24 ref.) (Eng. Abstr.) **(Rus)**

ANTIGENS, VIRAL, TUMOR

PHYSIOLOGY

Cell alterations induced by the large T-antigens of SV40 and polyoma virus. Dilworth SM. **Semin Cancer Biol** 1990 Dec;1(6):407–14 (68 ref.)

ANTIGENS, XENOGENEIC see **ANTIGENS, HETEROPHILE**

ANTIGLOBULIN CONSUMPTION TEST see **COOMBS' TEST**

ANTIGLOBULIN TEST see **COOMBS' TEST**

ANTIGLOBULINS see **ANTIBODIES, ANTI-IDIOTYPIC**

ANTIGOUT AGENTS

ANTIGOUT AGENTS see **GOUT SUPPRESSANTS**

ANTI-HBAG see **HEPATITIS B ANTIBODIES**

ANTIHEMOPHILIC FACTOR see **FACTOR VIII**

ANTIHEPARIN FACTOR see **PLATELET FACTOR 4**

ANTI-HEPATITIS B ANTIGENS see **HEPATITIS B ANTIBODIES**

ANTIHISTAMINICS, CLASSICAL see **HISTAMINE H1 RECEPTOR BLOCKADERS**

ANTIHISTAMINICS, H1 see **HISTAMINE H1 RECEPTOR BLOCKADERS**

ANTIHISTAMINICS, H2 see **HISTAMINE H2 RECEPTOR BLOCKADERS**

ANTI-HIV POSITIVE see **HIV SEROPOSITIVITY**

ANTI-HUMAN GLOBULIN CONSUMPTION TEST see **COOMBS' TEST**

ANTIHYPERTENSIVE AGENTS

In vitro pharmacology of DuP 753. Chiu AT, et al. **Am J Hypertens** 1991 Apr;4(4 Pt 2):282S–287S (18 ref.)

The discovery of a new class of highly specific nonpeptide angiotensin II receptor antagonists. Timmermans PB, et al. **Am J Hypertens** 1991 Apr;4(4 Pt 2):275S–281S (16 ref.)

From tissue angiotensin converting enzyme inhibition to antihypertensive effect. Veltmar A, et al. **Am J Hypertens** 1991 Mar;4(3 Pt 2):263S–269S (37 ref.)

In vivo pharmacology of DuP 753. Wong PC, et al. **Am J Hypertens** 1991 Apr;4(4 Pt 2):288S–298S (39 ref.)

KT-362 related effects on intracellular calcium release and associated clinical potential: arrhythmias, myocardial ischemia, and hypertension. Hester RK, et al. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1345–54 (32 ref.)

Efficacy of celiprolol in hypertension and angina pectoris. Introduction. Norris RJ. **Cardiovasc Drugs Ther** 1991 Jan; 4 Suppl 6:1195–6 (26 ref.)

Role of vasodilation in the antihypertensive and antianginal effects of labetalol: implications for therapy of combined hypertension and angina. Opie LH. **Cardiovasc Drugs Ther** 1988 Sep;2(3):369–76 (57 ref.)

K(+)-channel openers: new antihypertensive drugs? Haeusler G. **Clin Physiol Biochem** 1990;8 Suppl 2:46–56 (63 ref.)

Celiprolol. An updated review of its pharmacodynamic and pharmacokinetic properties, and therapeutic efficacy in cardiovascular disease. Milne RJ, et al. **Drugs** 1991 Jun; 41(6):941–69 (136 ref.)

Diuretics and blood pressure reduction: physiologic aspects. Birkenhäger WH. **J Hypertens Suppl** 1990 Jun;8(2):S3–7 (35 ref.)

Antihypertensive medications: relative effectiveness and adverse reactions. Moser M. **J Hypertens Suppl** 1990 Jun; 8(2):S9–16 (39 ref.)

[Lisinopril] **Medicina (Firenze)** 1990 Oct–Dec;10(4):439–41 (33 ref.) (Eng. Abstr.) **(Ita)**

ADMINISTRATION & DOSAGE

Combination antihypertensive therapy with terazosin and other antihypertensive agents: results of clinical trials. Pool JL. **Am Heart J** 1991 Sep;122(3 (Pt 2)):926–31 (17 ref.)

Documentation of the effective length of action of antihypertensive treatment. Weber MA. **Am J Cardiol** 1990 Sep 25;66(9):43C–48C (6 ref.)

When is discontinuation of antihypertensive therapy indicated? Schmieder RE, et al. **Cardiovasc Drugs Ther** 1990 Dec;4(6):1487–94 (60 ref.)

Use of crossover trials to obtain antihypertensive dose-response curves and to study combination therapy during the development of benazepril. Bellet M, et al. **J Hypertens Suppl** 1990 Sep;8(4):S43–8 (22 ref.)

[Treatment of hypertension in general practice, consequences of therapeutic changes. A multipractice study of the therapeutic patterns, blood pressure control, drug administration schedule and incidence of side effects] Jensen HA, et al. **Ugeskr Laeger** 1991 Apr 22; 153(17):1204–7 (6 ref.) (Eng. Abstr.) **(Dan)**

[Hypertension. Individualized treatment as a new therapy concept] Düsing R, et al. **Internist (Berl)** 1991 Mar; 32(3):135–8 (11 ref.) **(Ger)**

[Primary management of the hypertensive patient—new aspects of therapy] Scholze J. **Z Gesamte Inn Med** 1991 Jan–Feb;46(1–2):32–6 (34 ref.) (Eng. Abstr.) **(Ger)**

[Chemotherapy of portal hypertension] Geller LI. **Klin Med (Mosk)** 1991 Apr;69(4):28–32 (58 ref.) **(Rus)**

ADVERSE EFFECTS

Do we need another antihypertensive agent? Gorlin R. **Am Heart J** 1991 Feb;121(2 (Pt 2)):670–6 (12 ref.)

Drug-induced modification of vascular structure: effects of antihypertensive drugs. Schachter M. **Am Heart J** 1991 Jul;122(1 (Pt 2)):316–23 (76 ref.)

Lipids, lipoproteins, and coronary heart disease: implications for antihypertensive therapy. Feher MD, et al. **Cardiovasc Drugs Ther** 1989 Jun;3 Suppl 1:333–40 (53 ref.)

Cerebral blood flow in the elderly: impact of hypertension and antihypertensive treatment. Strandgaard S. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1217–21 (34 ref.)

Hypertension and vascular disease in the 1990s. Gorlin R. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV1–5; discussion IV51–5 (12 ref.)

Lipid effects of antihypertensive drugs. Leren P. **Clin Exp Hypertens [A]** 1990;12(5):761–8 (15 ref.)

Measuring the adverse effects of unnecessary hypertension drug therapy: QALYs vs HYE. Gafni A. **Clin Invest Med** 1991 Jun;14(3):266–70 (12 ref.)

Antihypertensive medications and depression. Beers MH, et al. **Drugs** 1990 Dec;40(6):792–9 (55 ref.)

Antihypertensive drugs and cardiac trophic mechanisms. Leenen FH, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S50–7 (57 ref.)

Neurobehavioral effects of antihypertensive medications. Muldoon MF, et al. **J Hypertens** 1991 Jun;9(6):549–59 (121 ref.)

Antihypertensive therapy. To stop or not to stop? Schmieder RE, et al. **JAMA** 1991 Mar 27;265(12):1566–71 (80 ref.)

Update of hepatotoxicity due to classes of drugs in common clinical use: non-steroidal drugs, anti-inflammatory drugs, antibiotics, antihypertensives, and cardiac and psychotropic agents. Zimmerman HJ. **Semin Liver Dis** 1990 Nov; 10(4):322–38 (172 ref.)

[Antihypertensive drugs and kidney function] Belovezhdov N. **Vutr Boles** 1990;29(6):1–7 (0 ref.) **(Bul)**

[An increase in cardiovascular mortality due to antihypertensive drugs. The need for a gradual and maintained effect] Velasco J, et al. **An Med Interna** 1989 Oct;6(10):557–8 (19 ref.) **(Spa)**

CHEMISTRY

Drug molecules of marine origin. Kaul PN. **Prog Drug Res** 1990;35:521–57 (557 ref.)

PHARMACOKINETICS

Effects of cardiovascular disease on pharmacokinetics. Rodighiero V. **Cardiovasc Drugs Ther** 1989 Oct;3(5):711–30 (168 ref.)

The pharmacokinetics of benazepril relative to other ACE inhibitors. Gengo FM, et al. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV44–50; discussion IV51–5 (25 ref.)

PHARMACOLOGY

Metabolic considerations in the choice of therapy for the patient with hypertension. Black HR. **Am Heart J** 1991 Feb;121(2 (Pt 2)):707–15 (74 ref.)

Effects of celiprolol and other antihypertensive agents on serum lipids and lipoproteins. Hunninghake DB. **Am Heart J** 1991 Feb;121(2 (Pt 2)):696–701 (48 ref.)

Antihypertensive agents, serum lipoproteins and glucose metabolism. Ferrari P, et al. **Am J Cardiol** 1991 Apr 22; 67(10):26B–35B (124 ref.)

Vasodilation, not cardiodepression, underlies the antihypertensive effect of beta-adrenoceptor antagonists. Man in 't Veld AJ. **Am J Cardiol** 1991 Apr 22; 67(10):13B–17B (23 ref.)

Nonpeptide angiotensin II receptor antagonists: a novel class of antihypertensive agents. Timmermans PB, et al. **Blood Vessels** 1990;27(2–5):295–300 (16 ref.)

The role of prostaglandins in mediating the effects of angiotensin converting enzyme inhibitors and other antihypertensive drugs. Swartz SL. **Cardiovasc Drugs Ther** 1987;1(1):39–43 (22 ref.)

Cadralazine. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in the treatment of hypertension. McTavish D, et al. **Drugs** 1990 Oct;40(4):543–60 (57 ref.)

Haemodynamic effects of the multiple action antihypertensive drug urapidil. Mancia G. **Drugs** 1990;40 Suppl 4:14–20; discussion 28–30 (12 ref.)

Pharmacological profile of antihypertensive drugs with serotonin receptor and alpha-adrenoceptor activity. van Zwieten PA, et al. **Drugs** 1990;40 Suppl 4:1–8; discussion 28–30 (41 ref.)

Effects of antihypertensive drug classes on regression of connective tissue components of hypertension. Keeley FW, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S64–9 (40 ref.)

Nonsteroidal anti-inflammatory drugs and antihypertensives. Cooperative malfeasance [editorial] Sahloul MZ, et al. **Nephron** 1990;56(4):345–52 (70 ref.)

The effects of antihypertensive drugs on the cerebral blood flow and its regulation. Herpin D. **Prog Neurobiol** 1990; 35(1):75–83 (61 ref.)

Renal consequences of antihypertensive therapy. Eknoyan G, et al. **Semin Nephrol** 1991 Mar;11(2):129–37 (124 ref.)

[Effects of antihypertensive agents on lipoproteins and thrombocyte function] Birkebaek NH. **Ugeskr Laeger** 1990 Sep 24;152(39):2837–40 (30 ref.) (Eng. Abstr.) **(Dan)**

[The effect of acute and chronic smoking on arterial blood pressure and on the effects of antihypertensive agents] Missault L, et al. **Ned Tijdschr Geneeskd** 1991 Feb 9; 135(6):211–5 (53 ref.) **(Dut)**

POISONING

Management of overdose due to antihypertensive agents. Johnston GD, et al. **Adverse Drug React Acute Poisoning Rev** 1990 Summer; 9(2):75–89 (30 ref.)

STANDARDS

Shortcomings of current antihypertensive therapy. Hansson L. **Am J Hypertens** 1991 Feb;4(2 Pt 2):84S–87S (18 ref.)

THERAPEUTIC USE

Patient profiling: individualization of hypertension therapy. Taylor RB. **Am Fam Physician** 1990 Nov;42(5 Suppl):29S–31S, 34S–36S (23 ref.)

Doxazosin therapy in the treatment of diabetic hypertension. Feher MD. **Am Heart J** 1991 Apr;121(4 (Pt 2)):1294–301 (50 ref.)

Antihypertensive therapy: taking lipids into consideration. Grimm RH Jr. **Am Heart J** 1991 Sep;122(3 (Pt 2)):910–8 (51 ref.)

Clinical implications of pathophysiologic changes in the midlife hypertensive patient. Julius S. **Am Heart J** 1991 Sep;122(3 (Pt 2)):886–91 (43 ref.)

A review of the clinical experience with celiprolol in angina. McLenachan JM, et al. **Am Heart J** 1991 Feb;121(2 (Pt 2)):688–90 (11 ref.)

Effects of doxazosin on serum lipids: a review of the clinical data and molecular basis for altered lipid metabolism. Pool JL. **Am Heart J** 1991 Jan;121(1 (Pt 2)):251–9; discussion 259–60 (70 ref.)

Is hypertension an insulin-resistant state? Metabolic changes associated with hypertension and antihypertensive therapy. Sowers JR. **Am Heart J** 1991 Sep;122(3 (Pt 2)):932–5 (21 ref.)

Efficacy of doxazosin in specific hypertensive patient groups. Taylor SH. **Am Heart J** 1991 Jan;121(1 (Pt 2)):286–92 (30 ref.)

Arterial protection: a neglected but crucial therapeutic goal. Kaplan NM. **Am J Cardiol** 1990 Sep 25;66(9):36C–38C (17 ref.)

Mechanical factors in large artery disease and antihypertensive drugs. Levenson J, et al. **Am J Cardiol** 1990 Sep 25;66(9):39C–42C (22 ref.)

Anti-atherosclerotic and vasculoprotective actions of calcium antagonists. Ram CV. **Am J Cardiol** 1990 Dec 18; 66(21):29I–32I (18 ref.)

The place of isradipine in the treatment of hypertension. Man in't Veld AJ. **Am J Hypertens** 1991 Feb;4(2 Pt 2):96S–102S (32 ref.)

From the parallel group design to the crossover design, and from the group approach to the individual approach. Ménard J, et al. **Am J Hypertens** 1990 Oct;3(10):815–9 (34 ref.)

Isradipine: overall clinical experience in hypertension in the United States. Miller H. **Am J Hypertens** 1991 Feb;4(2 Pt 2):135S–139S (7 ref.)

The use of angiotensin converting enzyme inhibitors in combination with other antihypertensive agents. Pickering TG. **Am J Hypertens** 1991 Jan;4(1 Pt 2):73S–78S (46 ref.)

Cardiac contractility and conduction: a comparison of antihypertensives. Greenberg B. **Am J Kidney Dis** 1990 Oct;16(4 Suppl 1):30–4 (19 ref.)

Are newer antihypertensive agents really more effective than traditional drugs in progressive renal disease? Ritz E, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):76–80 (39 ref.)

The European Working Party on High Blood Pressure in the Elderly. Amery A, et al. **Am J Med** 1991 Mar; 90(3A):1S–4S (35 ref.)

Nonsteroidal anti-inflammatory drugs and antihypertensives. Houston MC. **Am J Med** 1991 May 17;90(5A):42S–47S (38 ref.)

Choice of drug treatment for elderly hypertensive patients. O'Malley K, et al. **Am J Med** 1991 Mar;90(3A):27S–33S (136 ref.)

Epidemiology and evaluation: steps toward hypertension treatment in the 1990s. Schoenberger JA. **Am J Med** 1991 Apr 25;90(4B):3S–7S (18 ref.)

Impact of age, race, and obesity on hypertensive mechanisms and therapy. Weir MR. **Am J Med** 1991 May 17; 90(5A):3S–14S (128 ref.)

Antihypertensive therapy and atherosclerosis. Horan MJ. **Am J Med Sci** 1991 Jun;301(6):402–5 (31 ref.)

Hypertension in women: what is really known? The Women's Caucus, Working Group on Women's Health of the Society of General Internal Medicine. Anastos K, et al. **Ann Intern Med** 1991 Aug 15;115(4):287–93 (42 ref.)

Treatment of hypertension based on both systolic and diastolic pressure could influence the cost of therapy. Safar M. **Cardiovasc Drugs Ther** 1989 Dec;3(6):841–5 (22 ref.)

Review of the major hypertension trials in the elderly. Staessen J, et al. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1237–47 (20 ref.)

The role of serotonin in cardiovascular diseases and their treatment. van Zwieten PA, et al. **Cardiovasc Drugs Ther** 1990 Dec;4(6):1443–7 (43 ref.)

Racial differences in antihypertensive therapy: evidence and implications. Weinberger MH. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:379–82 (52 ref.)

Tailoring antihypertensive therapy in 1991. Vidt DG. **Cleve Clin J Med** 1991 May–Jun;58(3):277–84 (26 ref.)

Isradipine in the treatment of hypertension: a clinical profile. Vidt DG. **Cleve Clin J Med** 1990 Nov–Dec;57(8):677–84

(44 ref.)
Well-being (quality of life) in connection with hypertensive treatment. Dahlöf C. **Clin Cardiol** 1991 Feb;14(2):97–103 (31 ref.)
Comparison of benazepril and other antihypertensive agents alone and in combination with the diuretic hydrochlorothiazide. DeQuattro V. **Clin Cardiol** 1991 Aug; 14(8 Suppl 4):IV28–32; discussion IV51–5 (9 ref.)
Dose-response studies with benazepril in mild to moderate hypertension. Gomez HJ. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV22–7; discussion IV51–5 (16 ref.)
Safety profile of benazepril in essential hypertension. MacNab M, et al. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV33–7; discussion IV51–5 (9 ref.)
The use of benazepril in hypertensive patients age 55 and over. Smith WM, et al. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV79–82; discussion IV83–90 (10 ref.)
Treatment considerations for the hypertensive patient over age 55. Tifft CP. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV72–8; discussion IV83–90 (70 ref.)
Treatment of hypertension: is reduction of blood pressure enough? [see comments] Lopez LM. **Clin Pharm** 1990 Nov; 9(11):876–81 (48 ref.) Comment in: Clin Pharm 1991 May;10(5):333.
Effect of antihypertensive drugs on insulin, glucose, and lipid metabolism. Lithell HO. **Diabetes Care** 1991 Mar; 14(3):203–9 (35 ref.)
Impact of blood pressure and antihypertensive treatment on incipient and overt nephropathy, retinopathy, and endothelial permeability in diabetes mellitus. Parving HH. **Diabetes Care** 1991 Mar;14(3):260–9 (87 ref.)
Drug treatment of hypertension in patients with diabetes mellitus. Stein PP, et al. **Diabetes Care** 1991 Jun; 14(6):425–48 (261 ref.)
Isradipine in hypertension. Hansson L. **Drugs** 1990;40 Suppl 2:10–4 (27 ref.)
Experimental studies with isradipine in stroke. Sauter A, et al. **Drugs** 1990;40 Suppl 2:44–51 (25 ref.)
Cardiac volume load as a determinant of the response of cardiac mass to antihypertensive therapy. Leenen FH, et al. **Eur Heart J** 1990 Nov;11 Suppl G:100–6 (22 ref.)
Choosing initial therapy for hypertension. A personal view. Black HR. **Hypertension** 1989 May;13(5 Suppl):I149–53 (27 ref.)
Controlled clinical trials of drug treatment for hypertension. A review. Cutler JA, et al. **Hypertension** 1989 May;13(5 Suppl):I36–44 (36 ref.)
alpha 1-antagonists in the treatment of hypertension. Grimm RH Jr. **Hypertension** 1989 May;13(5 Suppl):I131–6 (47 ref.)
Issues, goals, and guidelines in selecting first-line drug therapy for hypertension. Laragh JH. **Hypertension** 1989 May;13(5 Suppl):I103–12 (48 ref.)
Antihypertensive drug treatment. Potential, expected, and observed effects on stroke and on coronary heart disease. MacMahon S, et al. **Hypertension** 1989 May;13(5 Suppl):I45–50 (27 ref.)
Interaction of pharmacological and nonpharmacological therapy [editorial] Morgan T. **Hypertension** 1991 Jun;17(6 Pt 1):804–5 (18 ref.)
Cost and quality trade-offs in the treatment of hypertension. Stason WB. **Hypertension** 1989 May;13(5 Suppl):I145–8 (18 ref.)
Are some antihypertensive therapies more efficacious than others in preventing complications and prolonging life? Tifft CP, et al. **Hypertension** 1991 Sep;18(3 Suppl):I146–52 (35 ref.)
Alternatives to traditional first-line antihypertensive treatment: unresolved questions and therapeutic dilemmas. A personal approach. Zusman RM. **Hypertension** 1989 May;13(5 Suppl):I154–7 (22 ref.)
Combination antihypertensive therapy: rational selection. Nickey WA. **J Am Osteopath Assoc** 1990 Dec; 90(12):1085–91 (36 ref.)
Regression of cardiac hypertrophy and left ventricular pumping ability postregression. Frohlich ED. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S81–6 (52 ref.)
Antihypertensive therapy and coronary prevention. Klein WW. **J Cardiovasc Pharmacol** 1990;16 Suppl 6:S23–7 (21 ref.)
Effects of different antihypertensive drug classes on survival in animal models. Knorr A, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S94–100 (28 ref.)
Blood pressure variability: mechanisms and clinical significance. Mancia G. **J Cardiovasc Pharmacol** 1990;16 Suppl 6:S1–6 (23 ref.)
Resistance vessel structure: effects of treatment. Mulvany MJ. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S58–63 (38 ref.)
Antihypertensive therapy: achievements, failures, and prospects. Robertson JI. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S102–4 (19 ref.)
Optimum drug treatment in hypertension. Stokes GS. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S105–7 (10 ref.)
Isradipine. Schachter M. **J Clin Pharm Ther** 1991 Apr; 16(2):79–91 (75 ref.)
The differential efficacy of antihypertensive agents in the elderly. Tuck M, et al. **J Hum Hypertens** 1990 Aug; 4(4):415–20 (25 ref.)
Various approaches to blockade of the renin-angiotensin system: persistent renin response. Brunner HR, et al. **J Hypertens Suppl** 1990 Dec;8(7):S149–53 (30 ref.)
Diuretics for elderly patients. Evans JG. **J Hypertens Suppl** 1990 Jun;8(2):S33–7 (23 ref.)
Long-term clinical trials in hypertension. Gifford RW Jr. **J Hypertens Suppl** 1990 Jun;8(2):S17–22 (23 ref.)
Changing hypertension treatment to reduce the overall cardiovascular risk. Kaplan NM. **J Hypertens Suppl** 1990 Dec;8(7):S175–9 (22 ref.)
Clinical trials in hypertension: the present and perspectives for the future. Kitler ME. **J Hypertens Suppl** 1990 Sep; 8(4):S3–9 (89 ref.)
The impact of hypertension and antihypertensive treatment on the course and prognosis of diabetic nephropathy. Parving HH. **J Hypertens Suppl** 1990 Dec;8(7):S187–91 (33 ref.)
Comparative studies in hypertension: some fallacious claims of age-related drug efficacy. Robertson JI. **J Hypertens Suppl** 1990 Sep;8(4):S59–61 (14 ref.)
Evaluation of pharmacotherapy by indirect ambulatory blood pressure monitoring in short- and long-term studies: review of the literature. Schulte KL, et al. **J Hypertens Suppl** 1990 Dec;8(6):S101–4 (31 ref.)
Ambulatory blood pressure monitoring in clinical trials. Staessen J, et al. **J Hypertens Suppl** 1991 Jan;9(1):S13–9 (66 ref.)
Intervention trials in elderly hypertensive patients: a review. Staessen J, et al. **J Hypertens Suppl** 1990 Sep;8(4):S63–7 (11 ref.)
Ambulatory twenty-four-hour blood pressure measurements in pharmacological studies. Weisser B, et al. **J Hypertens Suppl** 1990 Dec;8(6):S87–92 (44 ref.)
Analysis of ambulatory blood pressure data in antihypertensive drug trials. White WB. **J Hypertens Suppl** 1991 Jan;9(1):S27–32 (16 ref.)
Management of hypertensive crises. Gifford RW Jr. **JAMA** 1991 Aug 14;266(6):829–35 (52 ref.)
Multiple drug therapy in the treatment of essential hypertension. Hockenberry B. **Nurs Clin North Am** 1991 Jun;26(2):417–36 (36 ref.)
The treatment of mild to moderate hypertension in patients with diabetes mellitus. Collins JW. **Nurse Pract** 1991 Jun; 16(6):28–30, 35–9, 43 (71 ref.)
Diagnosis and management of chronic hypertension in pregnancy. Sibai BM. **Obstet Gynecol** 1991 Sep;78(3 (Pt 1)):451–61 (67 ref.)
Hypertension in the elderly: conventional wisdom revisited. Lopez LM. **Pharmacotherapy** 1991;11(3):225–36 (109 ref.)
Newer antihypertensive agents. Rey AM, et al. **Postgrad Med** 1991 Apr;89(5):75–81, 84, 89 (42 ref.)
Control of hypertensive emergencies [see comments] Smith CB, et al. **Postgrad Med** 1991 Apr;89(5):111–6, 119 (9 ref.) Comment in: Postgrad Med 1991 Jun;89(8):39.
Antihypertensive therapy. Beevers G. **Practitioner** 1990 Jul 16;234(1492):735–6 (0 ref.)
Refractory hypertension: definition, prevalence, pathophysiology, and management. Neusy AJ, et al. **Semin Nephrol** 1990 Nov;10(6):546–51 (30 ref.)
The evolution of antihypertensive therapy. Kawachi I, et al. **Soc Sci Med** 1990;31(11):1239–43 (46 ref.)
Management of mild hypertension. Selecting an antihypertensive regimen. Pérez-Stable EJ. **West J Med** 1991 Jan;154(1):78–87 (81 ref.)
[The current trends in the drug treatment of portal hypertension] Kolarski V, et al. **Vutr Boles** 1990;29(3):8–13 (29 ref.) **(Bul)**
[Hypertension consensus in The Netherlands] Struyvenberg A. **Ned Tijdschr Geneeskd** 1990 Oct 27;134(43):2086–93 (10 ref.) (Eng. Abstr.) **(Dut)**
[Antihypertensive treatment and remission of left ventricular hypertrophy. Critical study] Clémenty J, et al. **Arch Mal Coeur Vaiss** 1990 Dec;83 Spec No 4:39–43 (30 ref.) (Eng. Abstr.) **(Fre)**
[Regression of left ventricular hypertrophy with antihypertensive treatment] Galinier M, et al. **Presse Med** 1990 Nov 10;19(37):1715–9 (54 ref.) (Eng. Abstr.) **(Fre)**
[Prevention of terminal kidney failure in insulin-dependent diabetics. Current status and prospects] Passa P, et al. **Presse Med** 1991 Mar 16;20(10):471–5 (22 ref.) (Eng. Abstr.) **(Fre)**
[Drug combinations in the treatment of arterial hypertension] Collart F. **Rev Med Brux** 1990 Dec;11(10):493–502 (50 ref.) (Eng. Abstr.) **(Fre)**
[Acute diagnosis and therapy in hypertensive emergencies, pre-eclampsia and eclampsia] Kaulhausen H. **Gynakologe** 1991 Jun;24(3):146–50 (24 ref.) **(Ger)**
[When and how much should blood pressure be lowered?] Distler A. **Internist (Berl)** 1991 Mar;32(3):144–9 (41 ref.) **(Ger)**
[Circadian changes in blood pressure and therapeutic consequences] Schrader J, et al. **Internist (Berl)** 1990 Oct; 31(10):662–8 (41 ref.) **(Ger)**
[Sources of error in the diagnosis and therapy of hypertension] Greminger P, et al. **Schweiz Med Wochenschr** 1991 May 11;121(19):677–82 (37 ref.) (Eng. Abstr.) **(Ger)**
[Hypertension in the old age: how to treat it?] Huss R, et al. **Schweiz Rundsch Med Prax** 1991 Jun 18;80(25):696–700 (34 ref.) (Eng. Abstr.) **(Ger)**
[Antihypertensive therapy and prevention of hypertensive complications] Kiowski W, et al. **Schweiz Rundsch Med Prax** 1990 Sep 25;79(39):1125–31 (26 ref.) (Eng. Abstr.) **(Ger)**
[Treatment of severe hypertension in pregnancy] Oney T, et al. **Z Geburtshilfe Perinatol** 1991 Jan-Feb;195(1):1–9 (72 ref.) (Eng. Abstr.) **(Ger)**
[Arterial hypertension in the aged. Physiopathological and therapeutic considerations] D'Amore F, et al. **Clin Ter** 1991 Jun 30;137(6):415–21 (11 ref.) **(Ita)**
[Hypertensive urgencies and emergencies] Fuchs FD, et al. **Arq Bras Cardiol** 1991 Mar;56(3):243–6 (25 ref.) **(Por)**
[Management of hypertension in the elderly] Serro-Azul JB, et al. **Arq Bras Cardiol** 1990 Feb;54(2):141–5 (33 ref.) **(Por)**
[Clinical therapeutics in arterial hypertension] Agrest A. **Medicina (B Aires)** 1990;50(5):481–7 (48 ref.) **(Spa)**

ANTI-IDIOTYPE ANTIBODIES see **ANTIBODIES, ANTI-IDIOTYPIC**

ANTI-INFECTIVE AGENTS

see related
ANTHELMINTICS

Evaluation of TNF as antiviral, antibacterial and antiparasitic agent. Rook GA, et al. **Biotherapy** 1991;3(2):167–75 (76 ref.)
Antibacterial peptides: key components needed in immunity. Boman HG. **Cell** 1991 Apr 19;65(2):205–7 (18 ref.)
Basic requirements for the toxicity testing of antimicrobial agents. Bass-R, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):488–91 (12 ref.)
Requirements for the documentation of pharmacokinetic properties of antimicrobial agents. Bergan T. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):506–9 (11 ref.)
Regulatory requirements for clinical evaluation of antimicrobial agents. Christ W. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):537–41 (5 ref.)
The implications for Europe of revised FDA guidelines for clinical trials with anti-infective agents. Gilbert DN, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):552–8 (21 ref.)
Evaluation of methods for recording adverse drug reactions in clinical trials. Nilsson BS. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):534–6 (0 ref.)
Probiotics in human medicine. Fuller R. **Gut** 1991 Apr; 32(4):439–42 (42 ref.)

ADVERSE EFFECTS

[Renal incompatibility with antibacterial drugs: diagnosis and preventive measures] Andrassy K. **Infection** 1991;19 Suppl 1:S25–8 (8 ref.) (Eng. Abstr.) **(Ger)**
[Comprehension of the side effect profile of a new substance under development. Experimental toxicological aspects] Mayer D, et al. **Infection** 1991;19 Suppl 1:S4–8 (10 ref.) (Eng. Abstr.) **(Ger)**
[Central nervous system side effects of different antibacterial substances] Stoppe G, et al. **Infection** 1991;19 Suppl 1:S29–32 (87 ref.) (Eng. Abstr.) **(Ger)**
[THe complications and side effects of antibacterial agents] Sil'vestrov VP, et al. **Ter Arkh** 1990;62(9):16–22 (24 ref.) **(Rus)**

CHEMISTRY

Bactericidal cationic peptides involved in bacterial antagonism and host defence. Sahl HG. **Microbiol Sci** 1985 Jul;2(7):212–7 (40 ref.)
[New 4-quinolones] Monova D, et al. **Vutr Boles** 1990; 29(2):1–10 (0 ref.) **(Bul)**

PHARMACOKINETICS

Pharmacokinetics and the dosage regimen of antimicrobial agents. Powers TE, et al. **Ann Rech Vet** 1990;21 Suppl 1:41S–45S (9 ref.)
Pharmacokinetics of antimicrobial agents in organ function impairment. A review. Janknegt R. **Pharm Weekbl [Sci]** 1990 Aug 24;12(4):121–7 (36 ref.)
Pharmacokinetic parameters and characteristics relevant to antimicrobial surgical prophylaxis. Bergan T. **Scand J Infect Dis Suppl** 1990;70:31–5 (20 ref.)

PHARMACOLOGY

Induction of immunopotentiation activity by a protein-bound polysaccharide, PSK (review). Sakagami H, et al. **Anticancer Res** 1991 Mar-Apr;11(2):993–9 (40 ref.)
Testing the susceptibility of bacteria in biofilms to antibacterial agents. Anwar H, et al. **Antimicrob Agents Chemother** 1990 Nov;34(11):2043–6 (48 ref.)
Therapeutic potential of plant photosensitizers. Hudson JB, et al. **Pharmacol Ther** 1991;49(3):181–222 (228 ref.)
Molecular modeling and quantitative structure-activity analysis of antibacterial sulfanilamides and sulfones. De Benedetti PG. **Prog Drug Res** 1991;36:361–417 (60 ref.)
Killing and regrowth of bacteria in vitro: a review. Craig WA, et al. **Scand J Infect Dis Suppl** 1990;74:63–70 (39 ref.)
[Evaluation of the development of resistance as a factor for the limitation of therapeutic possibilities] Heisig P, et al. **Infection** 1991;19 Suppl 1:S47–51 (32 ref.) (Eng. Abstr.) **(Ger)**

STANDARDS

Good clinical practice. Regnier B.

Eur J Clin Microbiol Infect Dis 1990 Jul;9(7):519–22 (8 ref.)

THERAPEUTIC USE

Newer uses of intravenous immunoglobulins as anti-infective agents. Pennington JE. **Antimicrob Agents Chemother** 1990 Aug;34(8):1463–6 (30 ref.)

Which respiratory anti-infective agent? Bannister B. **Br J Clin Pract** 1990 Aug;44(8):321–3 (4 ref.)

Current treatment recommendations for topical burn therapy. Monafo WW, et al. **Drugs** 1990 Sep;40(3):364–73 (46 ref.)

The clinical evaluation of antibacterial drugs: guidelines of the British Society for Antimicrobial Chemotherapy. Finch RG. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):542–7 (8 ref.)

Guidelines of the World Health Organization for clinical trials with antimicrobial agents. Lunde I. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):548–51 (3 ref.)

Prevention of bacterial meningitis. Vaccines and chemoprophylaxis. Lieberman JM, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):703–29 (128 ref.)

Rationale for the use of antimicrobial agents in periodontal disease. Loesche WJ. **Int J Technol Assess Health Care** 1990;6(3):403–17 (71 ref.)

Antimicrobial therapy for the elderly patient. Yoshikawa TT. **J Am Geriatr Soc** 1990 Dec;38(12):1353–72 (278 ref.)

Antimicrobial potentiation of irrigation solutions containing tris-[hydroxymethyl] aminomethane-EDTA. Ashworth CD, et al. **J Am Vet Med Assoc** 1990 Dec 1;197(11):1513–4 (20 ref.)

Sanguinaria toothpaste and oral rinse regimen clinical efficacy in short- and long-term trials. Kuftinec MM, et al. **J Can Dent Assoc** 1990;56(7 Suppl):31–3 (37 ref.)

New perspectives on Sanguinaria clinicals: individual toothpaste and oral rinse testing. Laster LL, et al. **J Can Dent Assoc** 1990;56(7 Suppl):19–30 (24 ref.)

Effects of sanguinarine and Sanguinaria extract on the microbiota associated with the oral cavity. Walker C. **J Can Dent Assoc** 1990;56(7 Suppl):13–30 (24 ref.)

Antibacterial dentifrices. Clinical data and relevance with emphasis on zinc/triclosan. Gjermo P, et al. **J Clin Periodontol** 1991 Jul;18(6):468–73 (60 ref.)

Dentifrices containing new agents for the control of plaque and gingivitis: microbiological aspects. Marsh PD. **J Clin Periodontol** 1991 Jul;18(6):462–7 (53 ref.)

Antimicrobial treatment of acute otitis media. Giebink GS, et al. **J Pediatr** 1991 Sep;119(3):495–500 (35 ref.)

Pre-operative antimicrobial prophylaxis of infection. Willis AT. **Microbiol Sci** 1985 Jan;2(1):14, 19–21 (25 ref.)

Response to antimicrobial therapy for shigellosis in Thailand. Lolekha S, et al. **Rev Infect Dis** 1991 Mar-Apr;13 Suppl 4:S342–6 (14 ref.)

Antimicrobial therapy for shigellosis. Salam MA, et al. **Rev Infect Dis** 1991 Mar-Apr;13 Suppl 4:S332–41 (109 ref.)

Ecological impact of antimicrobial prophylaxis on intestinal microflora in patients undergoing colorectal surgery. Brismar B, et al. **Scand J Infect Dis Suppl** 1990;70:25–30 (13 ref.)

Chemoprophylaxis of infective endocarditis. Finch R. **Scand J Infect Dis Suppl** 1990;70:102–10 (32 ref.)

Antimicrobial prophylaxis in cardiovascular surgery. Freeman R. **Scand J Infect Dis Suppl** 1990;70:80–6 (14 ref.)

Antimicrobial chemoprophylaxis in immunocompromised patients. Frøland SS. **Scand J Infect Dis Suppl** 1990; 70:130–40 (42 ref.)

Antimicrobial prophylaxis in upper gastrointestinal, biliary, stomach and oesophageal surgery. Gierclksky KE, et al. **Scand J Infect Dis Suppl** 1990;70:45–51 (25 ref.)

Antimicrobial prophylaxis in gynaecological and obstetric surgery. Gjønnaess H. **Scand J Infect Dis Suppl** 1990; 70:52–67 (123 ref.)

Antimicrobial prophylaxis in elective colorectal surgery and appendicitis. Roland M. **Scand J Infect Dis Suppl** 1990; 70:36–44 (25 ref.)

The treatment and prevention of bovine pneumonic pasteurellosis using antimicrobial drugs. Shoo MK. **Vet Res Commun** 1990;14(5):341–5 (38 ref.)

[Sulbactam-ampicillin combination--a drug of broad antibacterial spectrum] Savko V. **Antibiot Khimioter** 1991 Jan;36(1):51–5 (42 ref.) **(Rus)**

[The antibacterial therapy of infectious lung lesions] Martsinovskiĭ VIu, et al. **Ter Arkh** 1990;62(9):8–15 (39 ref.) **(Rus)**

[The antimicrobial treatment of digestive diseases] Sánchez Ruiz F. **An Esp Pediatr** 1989 Sep;31 Suppl 38:86–93 (17 ref.) **(Spa)**

[Treatment of the most common infections in patients with human immunodeficiency virus infection. Task-force on AIDS of the Sociedad Española de Enfermedades Infecciosas y Microbiología Clínica] Podzamczer D, et al. **Enferm Infecc Microbiol Clin** 1990 Mar;8(3):161–75 (230 ref.) **(Spa)**

TOXICITY

Safety of Sanguinaria extract as used in commercial toothpaste and oral rinse products. Frankos VH, et al. **J Can Dent Assoc** 1990;56(7 Suppl):41–7 (73 ref.)

ANTI-INFECTIVE AGENTS, LOCAL

see related
DISINFECTANTS

[Treatment of local infection with taurolin] Burri C. **Aktuel Probl Chir Orthop** 1990;34:78–84 (7 ref.) **(Ger)**

ADMINISTRATION & DOSAGE

The impact of chemotherapeutic agents on treatment planning. Ciancio SG. **J Can Dent Assoc** 1990;56(7 Suppl):37–9 (24 ref.)

[Local therapy of the poorly healing wound] Niedner R. **Med Monatsschr Pharm** 1990 Nov;13(11):340–8 (0 ref.) **(Ger)**

THERAPEUTIC USE

The role of antiseptics in the management of patients undergoing short-term indwelling bladder catheterization. Stickler DJ. **J Hosp Infect** 1990 Aug;16(2):89–108 (18 ref.)

[The use of antiseptic agents for the chemical control of dental plaque] Aulitto L, et al. **Minerva Stomatol** 1991 Jan-Feb;40(1-2):29–35 (69 ref.) (Eng. Abstr.) **(Ita)**

ANTI-INFECTIVE AGENTS, QUINOLONE

Drug interactions with quinolones. Janknegt R. **J Antimicrob Chemother** 1990 Nov;26 Suppl D:7–29 (102 ref.)

ADVERSE EFFECTS

Clinical features and management of adverse effects of quinolone antibacterials. Paton JH, et al. **Drug Saf** 1991 Jan-Feb;6(1):8–27 (178 ref.)

Side-effects of quinolones: comparisons between quinolones and other antibiotics. Norrby SR. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):378–83 (14 ref.)

Safety profile of the quinolones. Stahlmann R. **J Antimicrob Chemother** 1990 Nov;26 Suppl D:31–44 (75 ref.)

[Comparison of the adverse effect profile of different substances such as penicillins, tetracyclines, sulfonamides and quinolones] Keller H. **Infection** 1991;19 Suppl 1:S19–24 (17 ref.) (Eng. Abstr.) **(Ger)**

[Comprehension of the side effect profile of a new substance under development. Experimental toxicological aspects] Mayer D, et al. **Infection** 1991;19 Suppl 1:S4–8 (10 ref.) (Eng. Abstr.) **(Ger)**

[Cartilage-damaging effect of quinolones] Stahlmann R. **Infection** 1991;19 Suppl 1:S38–46 (30 ref.) (Eng. Abstr.) **(Ger)**

[Drug interactions with quinolones. Modification of hepatic monooxygenases as the cause] Schulz-Schalge T, et al. **Med Monatsschr Pharm** 1990 Dec;13(12):372–81 (32 ref.) **(Ger)**

METABOLISM

Impermeability to quinolones in gram-positive and gram-negative bacteria. Bryan LE, et al. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):232–9 (40 ref.)

Mechanisms of resistance to the 4-quinolone antibacterial agents. Crumplin GC. **J Antimicrob Chemother** 1990 Dec; 26 Suppl F:131–44 (64 ref.)

Usual and unusual antibacterial effects of quinolones. Furet YX, et al. **J Antimicrob Chemother** 1990 Oct;26 Suppl B:7–15 (60 ref.)

Mechanism of quinolone uptake into bacterial cells. Piddock LJ. **J Antimicrob Chemother** 1991 Apr;27(4):399–403 (24 ref.)

PHARMACOKINETICS

Pharmacokinetic and residue studies of quinolone compounds and olaquindox in poultry. Anadón A, et al. **Ann Rech Vet** 1990;21 Suppl 1:137S–144S (23 ref.)

Pharmacokinetics of quinolones: newer aspects. Wolfson JS, et al. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):267–74 (84 ref.)

Pharmacokinetics of quinolones in renal insufficiency. Fillastre JP, et al. **J Antimicrob Chemother** 1990 Oct;26 Suppl B:51–60 (33 ref.)

Pharmacokinetics of fluoroquinolones in hepatic failure. Montay G, et al. **J Antimicrob Chemother** 1990 Oct;26 Suppl B:61–7 (17 ref.)

Respiratory tract penetration of quinolone antimicrobials: a case in study. Ritrovato CA, et al. **Pharmacotherapy** 1991; 11(1):38–49 (70 ref.)

PHARMACOLOGY

Ofloxacin, a bactericidal antibacterial. Smith JT. **Chemotherapy** 1991;37 Suppl 1:2–13 (79 ref.)

Newly documented antimicrobial activity of quinolones. Furet YX, et al. **Eur J Clin Microbiol Infect Dis** 1991 Apr; 10(4):249–54 (48 ref.)

Mode of action of the new quinolones: new data. Hooper DC, et al. **Eur J Clin Microbiol Infect Dis** 1991 Apr; 10(4):223–31 (52 ref.)

The mode of action of quinolones: the paradox in activity of low and high concentrations and activity in the anaerobic environment. Lewin CS, et al. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):240–8 (70 ref.)

Synergy and antagonism of combinations with quinolones. Neu HC. **Eur J Clin Microbiol Infect Dis** 1991 Apr; 10(4):255–61 (55 ref.)

Immunological aspects of new quinolones. Shalit I. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):262–6 (27 ref.)

Pharmacology and clinical uses of quinolone antibiotics. Parry MF. **Indian J Med Sci** 1990 Dec;44(12):351–4 (0 ref.)

A review of the antimicrobial activity of the fluoroquinolones. Maple P, et al. **J Chemother** 1990 Oct; 2(5):280–94 (112 ref.)

Development of clinically important resistance to quinolones and other antibiotic groups. Lode H. **J Int Med Res** 1990; 18 Suppl 4:27D–36D (21 ref.)

THERAPEUTIC USE

The place of quinolones in bacterial infections. Neu HC. **Adv Intern Med** 1991;36:1–32 (145 ref.)

Use of quinolones in treatment of prostatitis and lower urinary tract infections. Andriole VT. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):342–50 (71 ref.)

Use of quinolones for treatment of ear and eye infections. Barza M. **Eur J Clin Microbiol Infect Dis** 1991 Apr; 10(4):296–303 (25 ref.)

Use of quinolones in the treatment of gastrointestinal infections. DuPont HL. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):325–9 (46 ref.)

Fluoroquinolones in the treatment of cystic fibrosis: a critical appraisal. LeBel M. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):316–24 (62 ref.)

Use of quinolones in the immunocompromised host. Maiche AG. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):361–7 (28 ref.)

Role of quinolones in surgical prophylaxis. Mandell LA. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):368–77 (43 ref.)

Potential role of fluoroquinolones in the treatment of bacterial meningitis. Modai J. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):291–5 (25 ref.)

Chlamydial infections and the quinolones. Ronald AR, et al. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):351–4 (23 ref.)

Use of quinolones in pediatrics. Schaad UB. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):355–60 (36 ref.)

Evaluation of quinolones in experimental animal models of infections. Scheld WM. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):275–90 (86 ref.)

Treatment of intra-abdominal infections with quinolones. Smith JA. **Eur J Clin Microbiol Infect Dis** 1991 Apr; 10(4):330–3 (17 ref.)

Role of quinolones in the treatment of bronchopulmonary infections, particularly pneumococcal and community-acquired pneumonia. Thys JP, et al. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):304–15 (79 ref.)

Fluoroquinolones in the treatment of typhoid fever and the carrier state. Zavala Trujillo I, et al. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):334–41 (88 ref.)

Antibiotic treatment of rickettsiosis, recent advances and current concepts. Raoult D. **Eur J Epidemiol** 1991 May; 7(3):276–81 (48 ref.)

Quinolones in perspective. Neu HC. **J Antimicrob Chemother** 1990 Oct;26 Suppl B:1–6 (12 ref.)

The importance of the quinolones in antibacterial therapy. Van Landuyt HW, et al. **J Antimicrob Chemother** 1990 Nov;26 Suppl D:1–6 (34 ref.)

Fluoroquinolone antimicrobial agents. Hooper DC, et al. **N Engl J Med** 1991 Feb 7;324(6):384–94 (125 ref.)

CAPD peritonitis and fluoroquinolones: a review. Janknegt R. **Perit Dial Int** 1991;11(1):48, 53–8 (35 ref.)

Newer quinolones in the treatment of continuous ambulatory peritoneal dialysis (CAPD) related infections. Nikolaidis P. **Perit Dial Int** 1990;10(2):127–33 (64 ref.)

Fluoroquinolones. New miracle drugs? Talley JH. **Postgrad Med** 1991 Jan;89(1):101–3, 106–8, 111–3 (20 ref.)

The fluoroquinolone antibacterial agents. Rosen T. **Prog Med Chem** 1990;27:235–95 (113 ref.)

Prevention of infections in granulocytopenic patients by fluorinated quinolones. Rozenberg-Arska M, et al. **Recent Results Cancer Res** 1991;121:337–46 (60 ref.)

Quinolone antibiotics in the treatment of Salmonella infections [see comments] Asperilla MO, et al. **Rev Infect Dis** 1990 Sep-Oct;12(5):873–89 (154 ref.) Comment in: Rev Infect Dis 1991 Mar-Apr;13(2):343–4.

[Prospects of clinical uses of quinolones in burn wound infections] Wang DW. **Chung Hua Cheng Hsing Shao Shang Wai Ko Tsa Chih** 1990 Sep;6(3):223–5 (13 ref.) **(Chi)**

[Rapid diagnosis of typhoid fever and its treatment with antibacterial agents] Hu DR. **Chung Hua Nei Ko Tsa Chih** 1991 Apr;30(4):247–9 (21 ref.) **(Chi)**

[Gyrase inhibitors, a new class of therapeutic drugs] Petzinger E. **Tierarztl Prax** 1991 Feb;19(1):14–20 (29 ref.)

(Eng. Abstr.) **(Ger)**
[Bacterial infections. Progress and new prospects in chemo-antibiotic therapy] Olivieri A, et al. **Clin Ter** 1991 Jan 15;136(1):53–61 (19 ref.) (Eng. Abstr.) **(Ita)**
[New quinolones: similarities and differences] Levi GC. **AMB Rev Assoc Med Bras** 1989 Oct–Dec;35(5):202–6 (37 ref.) (Eng. Abstr.) **(Por)**
[Use of fluoroquinolone chemotherapy in orthopedics and traumatology] Krčméry V Jr. **Acta Chir Orthop Traumatol Cech** 1991 Mar;58(1–2):37–46 (39 ref.) (Eng. Abstr.) **(Slo)**
[New quinolines for the treatment of urinary tract infections] Krčméry V Jr, et al. **Vnitr Lek** 1990 Sep;36(9):894–902 (45 ref.) (Eng. Abstr.) **(Slo)**

ANTI-INFECTIVE AGENTS, URINARY

ADMINISTRATION & DOSAGE

Review of published studies on single dose therapy of urinary tract infections. Bailey RR. **Infection** 1990;18 Suppl 2:S53–6 (67 ref.)

ADVERSE EFFECTS

[Hepatotoxicity of antimicrobial agents. II: Urinary antiseptics, antitubercular agents, antiparasitic agents, antifungal agents, antiviral agents] Horsmans Y, et al. **Gastroenterol Clin Biol** 1990;14(12):919–24 (65 ref.) **(Fre)**

THERAPEUTIC USE

The value of single-dose therapy to diagnose the site of urinary infection. Ronald AR, et al. **Chemotherapy** 1990; 36 Suppl 1:2–9 (40 ref.)
Antimicrobial therapy for treatment of UTI in the elderly. Rocco F, et al. **Eur Urol** 1991;19 Suppl 1:7–15 (32 ref.)
The optimal management of lower urinary tract infections. Nicolle LE. **Infection** 1990;18 Suppl 2:S50–2 (18 ref.)
[Therapeutic strategies in pregnancy bacteriuria] Aghayan M, et al. **Rev Med Liege** 1990 Sep;45(9):433–9 (39 ref.) **(Fre)**
[Cefixime in urinary tract infections. (Specific studies and literature review)] Naber KG. **Infection** 1990;18 Suppl 3:S132–9 (34 ref.) (Eng. Abstr.) **(Ger)**

ANTI-INFLAMMATORY AGENTS

ADMINISTRATION & DOSAGE

Inhaler and spacer use in obstructive airway diseases. Jones MD, et al. **Am Fam Physician** 1990 Oct;42(4):1007–13 (22 ref.)
[Therapy of obstructive respiratory tract diseases. V: Mediator antagonists] Ukena D, et al. **Med Klin** 1990 Aug 15;85(8):499–503 (77 ref.) **(Ger)**
[Percutaneous rheumatoid therapy] Wagener HH. **Verh Dtsch Ges Inn Med** 1990;96:332–40 (6 ref.) **(Ger)**
[Capsaicin-induced mouse ear edema and its management] Gábor M, et al. **Orv Hetil** 1991 Jun 23;132(25):1373–6 (19 ref.) (Eng. Abstr.) **(Hun)**

ADVERSE EFFECTS

Rheumatic syndromes caused by antirheumatic drugs. Rooney PJ, et al. **Baillieres Clin Rheumatol** 1991 Apr; 5(1):139–73 (312 ref.)
[Drug-induced lung changes in rheumatology] Costabel U. **Z Rheumatol** 1990 Sep–Oct;49(5):284–90 (48 ref.) (Eng. Abstr.) **(Ger)**

PHARMACOKINETICS

Clinical pharmacokinetics of drugs used in juvenile arthritis. Skeith KJ, et al. **Clin Pharmacokinet** 1991 Aug;21(2):129–49 (174 ref.)

THERAPEUTIC USE

Tomorrow's asthma therapy—are antiasthmatics in the 90ties anti-inflammatory drugs? Szelenyi I. **Agents Actions** 1991 Jan;32(1–2):24–33 (8 ref.)
The changing pattern in the search for new anti-rheumatic drugs. Willoughby DA. **Ann Ital Med Int** 1988;3 Suppl 1:67–70 (15 ref.)
Assessment of antirheumatic activity in man. Bellamy N, et al. **Baillieres Clin Rheumatol** 1990 Dec;4(3):433–65 (124 ref.)
Antirheumatic drugs in pregnancy and lactation. Brooks PM, et al. **Baillieres Clin Rheumatol** 1990 Apr;4(1):157–71 (112 ref.)
Guidelines on the use of antirheumatic drugs in women during pregnancy and child-bearing age. Preston S, et al. **Baillieres Clin Rheumatol** 1990 Dec;4(3):687–98 (71 ref.)
Disease-modifying antirheumatic and immunoregulatory agents. Rainsford KD. **Baillieres Clin Rheumatol** 1990 Dec; 4(3):405–32 (190 ref.)
Combination therapy in rheumatoid arthritis. Schwarzer AC, et al. **Baillieres Clin Rheumatol** 1990 Dec;4(3):663–85 (74 ref.)
Medical treatment of juvenile arthritis. Fink CW. **Clin Orthop** 1990 Oct;(259):60–9 (49 ref.)
Disease-modifying agents and experimental treatments of rheumatoid arthritis. Weinblatt ME, et al. **Clin Orthop** 1991 Apr;(265):103–15 (99 ref.)
Dissociation between the antinociceptive and anti-inflammatory effects of the nonsteroidal anti-inflammatory drugs. A survey of their analgesic efficacy. McCormack K, et al. **Drugs** 1991 Apr; 41(4):533–47 (166 ref.)
Long acting drug combinations in rheumatoid arthritis: a formal overview. Boers M, et al. **J Rheumatol** 1991 Mar; 18(3):316–24 (31 ref.)
Challenging the pyramid. A new look at terapeutic approaches for rheumatoid arthritis. Patient selection. Katz WA. **J Rheumatol Suppl** 1990 Nov;25:39–41 (30 ref.)
Psoriatic arthritis: the use of disease suppressing agents in its management. Grinlinton F, et al. **N Z Med J** 1990 Sep 26;103(898):450–2 (23 ref.)
[Treatment of juvenile chronic arthritis] Martini A, et al. **Pediatrie** 1991;46(2):153–60 (20 ref.) (Eng. Abstr.) **(Fre)**
[Therapy with analgesics and anti-rheumatic agents in the aged] Hackenthal E. **Verh Dtsch Ges Inn Med** 1990; 96:274–85 (95 ref.) **(Ger)**
[Anti-rheumatic agents: when—which ones?] Miehlke K. **Verh Dtsch Ges Inn Med** 1990;96:182–7 (3 ref.) **(Ger)**
[Therapy of chronic inflammatory bowel diseases] Peskar BM. **Verh Dtsch Ges Inn Med** 1990;96:706–12 (19 ref.) **(Ger)**
[Rheumatic manifestations—when and how to treat?] Schattenkirchner M. **Verh Dtsch Ges Inn Med** 1990; 96:95–105 (7 ref.) **(Ger)**
[Anti-inflammatory drugs in ORL] Felisati D, et al. **Acta Otorhinolaryngol Ital** 1990;10 Suppl 28:23–34 (23 ref.) (Eng. Abstr.) **(Ita)**
[Comparative effectiveness and combined administration of basic drugs in rheumatoid arthritis] Noskov SM, et al. **Revmatologiia (Mosk)** 1991 Jan–Mar;(1):26–9 (63 ref.) **(Rus)**
[Proteinases, protease inhibitors and antirheumatic therapy] Rudenko VG, et al. **Revmatologiia (Mosk)** 1990 Jul–Sep; (3):32–8 (69 ref.) **(Rus)**

ANTI-INFLAMMATORY AGENTS, GOLD

ADVERSE EFFECTS

[Fatal hepatic necrosis due to a treatment course of rheumatoid arthritis with gold salts] Van Linthoudt D, et al. **Schweiz Med Wochenschr** 1991 Jul 27;121(30):1099–102 (38 ref.) (Eng. Abstr.) **(Fre)**
[Adverse reactions of immunomodulatory agents] Yamanaka H, et al. **Ryumachi** 1990 Apr;30(2):143–51 (61 ref.) **(Jpn)**
[Mixed hepatopathy due to parenteral gold salts] González Pérez JA, et al. **An Med Interna** 1990 Sep;7(9):477–9 (21 ref.) (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Control of oxidative damage in rheumatoid arthritis by gold(I)-thiolate drugs. Grootveld M, et al. **Free Radic Res Commun** 1990;10(4–5):199–220 (116 ref.)

ANTI-INFLAMMATORY AGENTS, NON-STEROIDAL

Lipocortins as antiphospholipase A2 and anti-inflammatory proteins. Russo-Marie F. **Adv Exp Med Biol** 1990; 279:197–210 (52 ref.)
Antibiotics: the antipyretics of choice? DiNubile MJ. **Am J Med** 1990 Dec;89(6):787–8 (21 ref.)
Ketorolac, an injectable nonnarcotic analgesic [see comments] Litvak KM, et al. **Clin Pharm** 1990 Dec; 9(12):921–35 (135 ref.) Comment in: Clin Pharm 1990 Dec;9(12):938.
NSAIDS: patterns of usage and side effects. Hochberg M. **Indian J Med Sci** 1990 Nov;44(11):317–22 (0 ref.)
Non-steroidal anti-inflammatory drugs in domestic animals: I. Their classification, mechanism of action and pharmacological effects. Swan GE. **J S Afr Vet Assoc** 1991 Mar;62(1):35–8 (37 ref.)
Antiulcerogenic and antiinflammatory actions of fatty acids on the gastrointestinal tract. Lugea A, et al. **Prostaglandins Leukot Essent Fatty Acids** 1991 Jul; 43(3):135–40 (19 ref.)

ADMINISTRATION & DOSAGE

5-ASA enema therapy. Hanauer SB. **Neth J Med** 1989 Jun; 35 Suppl 1:S11–20 (48 ref.)
[Percutaneous therapy with non-steroidal anti-inflammatory drugs. Pharmacokinetic criteria of effectiveness] Chlud K, et al. **Fortschr Med** 1991 Jan 20;109(2):59–60, 63–4; discussion 56 (0 ref.) (Eng. Abstr.) **(Ger)**
[Capsaicin-induced mouse ear edema and its management] Gábor M, et al. **Orv Hetil** 1991 Jun 23;132(25):1373–6 (19 ref.) (Eng. Abstr.) **(Hun)**

ADVERSE EFFECTS

Role of prostaglandins in NSAID-induced renal dysfunction. Toto RD. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:967–74 (19 ref.)
Drug-induced hypertension. Lai KN, et al. **Adverse Drug React Toxicol Rev** 1991 Spring;10(1):31–46 (133 ref.)
Towards safer nonsteroidal anti-inflammatory drugs. Brune K, et al. **Agents Actions Suppl** 1991;32:13–25 (27 ref.)
Developing nonsteroidal anti-inflammatory drugs (NSAIDs) with decreased gastrointestinal (GI) toxicity. Goldlust B, et al. **Agents Actions Suppl** 1991;32:27–31 (13 ref.)
Non-steroidal anti-inflammatory drug-induced gastroduodenal injury: therapeutic recommendations. Curtis WD, et al. **Aliment Pharmacol Ther** 1991;5 Suppl 1:99–109 (33 ref.)
Pathophysiology of NSAID-induced gastroduodenal damage: epidemiology and mechanisms of action of therapeutic agents. Ivey KJ. **Aliment Pharmacol Ther** 1991; 5 Suppl 1:91–8 (32 ref.)
Pill-esophagitis caused by nonsteroidal antiinflammatory drugs. Minocha A, et al. **Am J Gastroenterol** 1991 Aug; 86(8):1086–9 (37 ref.)
Nonsteroidal anti-inflammatory drugs and antihypertensives. Houston MC. **Am J Med** 1991 May 17;90(5A):42S–47S (38 ref.)
Nonsteroidal anti-inflammatory gastropathy: from theory to practice. Balaa MA. **Am J Med Sci** 1991 Apr;301(4):272–6 (71 ref.)
Nonsteroidal anti-inflammatory drugs and peptic ulcer disease. Soll AH, et al. **Ann Intern Med** 1991 Feb 15; 114(4):307–19 (80 ref.)
Prophylaxis against non-steroidal induced upper gastrointestinal side effects. Barrison I. **Ann Rheum Dis** 1991 Apr;50(4):207–9 (13 ref.)
Central nervous system side effects of nonsteroidal anti-inflammatory drugs. Aseptic meningitis, psychosis, and cognitive dysfunction. Hoppmann RA, et al. **Arch Intern Med** 1991 Jul;151(7):1309–13 (51 ref.)
Chondroprotection: myth or reality? Brooks PM, et al. **Baillieres Clin Rheumatol** 1991 Aug;4(2):293–303 (120 ref.)
The management of NSAID gastropathy. Howard JM, et al. **Baillieres Clin Rheumatol** 1991 Aug;4(2):269–91 (96 ref.)
The risk of upper gastrointestinal haemorrhage during steroidal and non-steroidal anti-inflammatory therapy. Rooney PJ, et al. **Baillieres Clin Rheumatol** 1991 Aug; 4(2):207–17 (116 ref.)
Toxicity of the nonsteroidal anti-inflammatory drugs. Simon LS. **Curr Opin Rheumatol** 1991 Jun;3(3):341–7 (44 ref.)
Preventing upper gastrointestinal bleeding in patients receiving nonsteroidal antiinflammatory drugs. Elliott DP. **DICP** 1990 Oct;24(10):954–8 (36 ref.)
Gastrointestinal side effects of the nonsteroidal anti-inflammatory drugs. Taragin MI, et al. **Dig Dis** 1990; 8(5):269–80 (39 ref.)
Is there a rational basis for the different spectra of adverse effects of nonsteroidal anti-inflammatory drugs (NSAIDs)? Brune K. **Drugs** 1990;40 Suppl 5:12–5 (22 ref.)
Mechanisms of NSAID-induced gastroenteropathy. Price AH, et al. **Drugs** 1990;40 Suppl 5:1–11 (59 ref.)
NSAID gastropathy. The central issue. Roth SH. **Drugs** 1990; 40 Suppl 5:25–8 (12 ref.)
NSAID-induced gastrointestinal damage. A critical review of prophylaxis and therapy. McCarthy DM. **J Clin Gastroenterol** 1990;12 Suppl 2:S13–20 (24 ref.)
Nonsteroidal anti-inflammatory drugs: effects on kidney function. Whelton A, et al. **J Clin Pharmacol** 1991 Jul; 31(7):588–98 (55 ref.)
The clinical significance of lithium-nonsteroidal anti-inflammatory drug interactions. Ragheb M. **J Clin Psychopharmacol** 1990 Oct;10(5):350–4 (38 ref.)
Risk factors for gastrointestinal ulcers caused by nonsteroidal anti-inflammatory drugs (NSAIDs) [published erratum appears in J Fam Pract 1991 Jul;33(1):16] Agrawal N. **J Fam Pract** 1991 Jun;32(6):619–24 (48 ref.)
Paracetamol, nonsteroidal antiinflammatory drugs and nephrotoxicity. Walker RJ. **N Z Med J** 1991 May 8; 104(911):182–3 (24 ref.)
Fatal acute liver failure associated with pirprofen. Report of a case and a review of the literature. Depla AC, et al. **Neth J Med** 1990 Aug;37(1–2):32–6 (12 ref.)
Preventing NSAID-induced ulcers: the use of misoprostol. Lynn MM, et al. **Nurse Pract** 1990 Oct;15(10):38–9, 42 (26 ref.)
Nonprescription drugs and hypertension. Which ones affect blood pressure? Bradley JG. **Postgrad Med** 1991 May 1; 89(6):195–7, 201–2 (32 ref.)
Drug-induced renal toxicity. Help in recognizing offending agents. Farrugia E, et al. **Postgrad Med** 1991 Aug; 90(2):241–4, 247–8 (15 ref.)
Nonsteroidal anti-inflammatory drugs and peptic ulcer disease. An overview. Silverstein F. **Postgrad Med** 1991 May 15;89(7):33–40 (31 ref.)
Update of hepatotoxicity due to classes of drugs in common clinical use: non-steroidal drugs, anti-inflammatory drugs, antibiotics, antihypertensives, and cardiac and psychotropic agents. Zimmerman HJ. **Semin Liver Dis** 1990 Nov; 10(4):322–38 (172 ref.)
Gastric mucosal injury induced by nonsteroidal anti-inflammatory drugs. Holt S, et al. **South Med J** 1991 Mar;84(3):355–60 (45 ref.)
[Prevention of gastroduodenal disorders with the use of non-steroidal anti-inflammatory drugs] Bijlsma JW, et al. **Ned Tijdschr Geneeskd** 1991 Jan 12;135(2):45–8 (22 ref.) **(Dut)**
[Non-steroidal anti-inflammatory drugs: predictably nephrotoxic in various groups of subjects] Stehouwer CD, et al. **Ned Tijdschr Geneeskd** 1991 Mar 16;135(11):455–7

(12 ref.) (Dut)
[Therapeutic protocol in ulcers due to non-steroidal anti-inflammatory drugs] van Berge Henegouwen GP, et al. **Ned Tijdschr Geneeskd** 1991 Mar 23;135(12):504–8 (30 ref.) (Dut)
[Drug-induced interstitial nephropathy with nephrotic syndrome] Deray G, et al. **Presse Med** 1990 Dec 15; 19(43):1985–8 (44 ref.) (Eng. Abstr.) (Fre)
[Epidemiology and treatment of gastroduodenal lesions caused by non-steroidal anti-inflammatory agents] Thiéfin G. **Rev Med Interne** 1991 May–Jun;12(3):227–36 (82 ref.) (Eng. Abstr.) (Fre)
[Renal complications due to non-steroidal anti-inflammatory drugs: mechanism and clinical implications] Wauters JP. **Schweiz Med Wochenschr** 1991 Apr 13;121(15):513–6 (26 ref.) (Eng. Abstr.) (Fre)
[Digestive complications of non-steroidal anti-inflammatory drugs] Colin R. **Schweiz Med Wochenschr** 1991 May 18; 121(20):716–21 (49 ref.) (Eng. Abstr.) (Ger)
[The adverse digestive effects of nonsteroidal anti-inflammatory agents. Current physiopathological and clinical aspects. I. The adverse effects on the digestive track] Duțu A, et al. **Rev Med Interna [Med Interna]** 1990 Mar–Apr;42(2):97–109 (52 ref.) (Rum)
[Effect of non-steroidal anti-inflammatory drugs on the stomach] Svintsitskiĭ AS. **Klin Med (Mosk)** 1990 Sep; 68(9):18–22 (53 ref.) (Rus)
[Complications of the treatment with non-steroidal anti-inflammatory drugs] Gritsiuk AI, et al. **Sov Med** 1990; (10):39–43 (55 ref.) (Rus)
[NSAID causes ulcer and other gastrointestinal disorders] Axelson J. **Lakartidningen** 1991 Apr 3;88(14):1286–9 (94 ref.) (Swe)

PHARMACOKINETICS

A comparison of synovial fluid concentrations of non-steroidal anti-inflammatory drugs with their in vitro activity. Urquhart E. **Agents Actions** 1991 Mar; 32(3–4):261–5 (26 ref.)
Clinical pharmacokinetics of drugs used in juvenile arthritis. Skeith KJ, et al. **Clin Pharmacokinet** 1991 Aug;21(2):129–49 (174 ref.)
Malnutrition and drugs: clinical implications. Mehta S. **Dev Pharmacol Ther** 1990;15(3–4):159–65 (21 ref.)
Ketorolac: a parenteral nonsteroidal antiinflammatory drug. Resman–Targoff BH. **DICP** 1990 Nov;24(11):1098–104 (51 ref.)
Pharmacological aspects of chiral nonsteroidal anti-inflammatory drugs. Muller N, et al. **Fundam Clin Pharmacol** 1990;4(6):617–34 (76 ref.)
Ketorolac tromethamine pharmacokinetics and metabolism after intravenous, intramuscular, and oral administration in humans and animals. Mroszczak EJ, et al. **Pharmacotherapy** 1990;10(6 (Pt 2)):33S–39S (6 ref.)
Clinical pharmacokinetic studies with lornoxicam. Turner P, et al. **Postgrad Med J** 1990;66 Suppl 4:S28–9 (7 ref.)
Interactions between non-steroidal anti-inflammatory drugs and H2-receptor antagonists or prostaglandin analogues. Dixon JS, et al. **Rheumatol Int** 1991;11(1):13–8 (35 ref.)

PHARMACOLOGY

Biological activities and clinical potential of Ebselen. Parnham MJ. **Adv Exp Med Biol** 1990;264:193–7 (30 ref.)
Effects of non-steroidal anti-inflammatory drugs on the in vivo synthesis of thromboxane and prostacyclin in humans. Drvota V, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21A:153–6 (15 ref.)
The pharmacology of ebselen. Parnham MJ, et al. **Agents Actions** 1991 Jan;32(1–2):4–9 (56 ref.)
Nonsteroidal antiinflammatory drugs. Abramson SB. **Ann N Y Acad Sci** 1991;624:40–4 (13 ref.)
Immunosuppressive and long-acting anti-inflammatory activity of mycophenolic acid and derivative, RS-61443. Allison AC, et al. **Br J Rheumatol** 1991;30 Suppl 2:57–61 (8 ref.)
Mechanisms of action of nonsteroidal anti-inflammatory drugs and therapeutic considerations. Abramson SB. **Bull Hosp Jt Dis Orthop Inst** 1990 Fall;50(2):107–15 (25 ref.)
The mechanism of action of nonsteroidal antiinflammatory drugs. Brandt KD. **J Rheumatol Suppl** 1991 Feb;27:120–1 (13 ref.)
Impact of NSAID and steroids on cartilage destruction in murine antigen induced arthritis. van den Berg WB. **J Rheumatol Suppl** 1991 Feb;27:122–3 (12 ref.)
Highly selective inhibition of estrogen biosynthesis by CGS 20267, a new non-steroidal aromatase inhibitor. Bhatnagar AS, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20; 37(6):1021–7 (19 ref.)
Nonsteroidal antiinflammatory drugs--differences and similarities [published erratum appears in N Engl J Med 1991 Sep 5;325(10):747] Brooks PM, et al. **N Engl J Med** 1991 Jun 13;324(24):1716–25 (109 ref.)
Nonsteroidal anti-inflammatory drugs and antihypertensives. Cooperative malfeasance [editorial] Sahloul MZ, et al. **Nephron** 1990;56(4):345–52 (70 ref.)
Overview of the pharmacological properties, pharmacokinetics and animal safety assessment of lornoxicam. Pruss TP, et al. **Postgrad Med J** 1990;66 Suppl 4:S18–21 (9 ref.)
Clinical pharmacological studies of some possible interactions of lornoxicam with other drugs. Ravic M, et al. **Postgrad Med J** 1990;66 Suppl 4:S30–4 (10 ref.)
The mode of action of anti-inflammatory drugs. Vane JR, et al. **Postgrad Med J** 1990;66 Suppl 4:S2–17 (133 ref.)
Mechanism(s) of cytoprotective and anti-inflammatory activity of PGB1 oligomers: PGBx has potent anti-phospholipase A2 and anti-oxidant activity. Franson RC, et al. **Prostaglandins Leukot Essent Fatty Acids** 1991 Jun;43(2):63–70 (46 ref.)
[The effect of nonsteroidal antirheumatic agents on articular cartilage] Pavelka K, et al. **Cas Lek Cesk** 1990 Nov 23; 129(47):1479–83 (25 ref.) (Eng. Abstr.) (Cze)
[Action of non-steroidal anti-inflammatory agents on the immune system] Cortet B, et al. **Rev Rhum Mal Osteoartic** 1991 May;58(5):379–86 (26 ref.) (Eng. Abstr.) (Fre)
[Cartilage changes in arthrosis--do non-steroidal antiphlogistics have positive or negative effects?] Ostensen M. **Tidsskr Nor Laegeforen** 1991 Mar 10;111(7):838–40 (23 ref.) (Eng. Abstr.) (Nor)

STANDARDS

Etodolac: efficacy in osteoarthritis and effects on chondrocyte function. Bacon PA. **Rheumatol Int** 1990;10 Suppl:3–7 (18 ref.)

THERAPEUTIC USE

Leflunomide (HWA 486), a novel immunomodulating compound for the treatment of autoimmune disorders and reactions leading to transplantation rejection. Bartlett RR, et al. **Agents Actions** 1991 Jan;32(1–2):10–21 (44 ref.)
Ketorolac: an injectable NSAID. DiPalma JR. **Am Fam Physician** 1991 Jan;43(1):207–10 (16 ref.)
The clinical management of gout. Sterling LP. **Am Pharm** 1991 May;NS31(5):52–8 (32 ref.)
Are there any antirheumatic drugs that modify the course of ankylosing spondylitis? Laurent R. **Baillieres Clin Rheumatol** 1991 Aug;4(2):387–400 (62 ref.)
The use of sulphasalazine as a disease modifying antirheumatic drug. Porter DR, et al. **Baillieres Clin Rheumatol** 1990 Dec;4(3):535–51 (71 ref.)
Non-steroidal anti-inflammatory drugs versus simple analgesics in the treatment of arthritis. Sanders PA, et al. **Baillieres Clin Rheumatol** 1991 Aug;4(2):371–85 (85 ref.)
Non-steroidal anti-inflammatory drugs: rationale for use in severe postoperative pain. Dahl JB, et al. **Br J Anaesth** 1991 Jun;66(6):703–12 (79 ref.)
Disease modifying drugs for rheumatoid arthritis: yesterday's treatment today or today's treatment tomorrow? Pullar T. **Br J Clin Pharmacol** 1990 Oct;30(4):501–10 (73 ref.)
Medical treatment of juvenile arthritis. Fink CW. **Clin Orthop** 1990 Oct;(259):60–9 (49 ref.)
Total hip arthroplasty. The role of antiinflammatory medications in the prevention of heterotopic ossification. Kjaersgaard-Andersen P, et al. **Clin Orthop** 1991 Feb; (263):78–86 (66 ref.)
Current medicinal approaches to the treatment of rheumatoid arthritis. Paulus HE. **Clin Orthop** 1991 Apr;(265):96–102 (25 ref.)
Dexamethasone and nonsteroidal anti-inflammatory agents in the treatment of bacterial meningitis. Roos KL. **Clin Ther** 1990 Jul–Aug;12(4):290–6; discussion 289 (22 ref.)
Ketorolac tromethamine. Jay GT. **Conn Med** 1991 May; 55(5):288–90 (21 ref.)
Therapy with and mechanisms of nonsteroidal anti-inflammatory drugs. Abramson S. **Curr Opin Rheumatol** 1991 Jun;3(3):336–40 (37 ref.)
Disease-modifying antirheumatic drugs: gold, penicillamine, antimalarials, and sulfasalazine. McConkey B. **Curr Opin Rheumatol** 1991 Jun;3(3):348–54 (38 ref.)
Risk-benefit assessment of drugs used for the treatment of menstrual disorders. Higham JM, et al. **Drug Saf** 1991 May–Jun;6(3):183–91 (47 ref.)
Gastric cytoprotection. What does it really mean for the prescriber? Guslandi M. **Drugs** 1991 Apr;41(4):507–13 (78 ref.)
Tenoxicam. An update of its pharmacology and therapeutic efficacy in rheumatic diseases. Todd PA, et al. **Drugs** 1991 Apr;41(4):625–46 (167 ref.)
Current approaches to chronic pain in older patients. Forman WB, et al. **Geriatrics** 1991 Jul;46(7):47–52 (20 ref.)
Chemoprophylaxis in asthma [see comments] MacDonald GF. **J Asthma** 1990;27(5):269–75 (41 ref.) Comment in: J Asthma 1990;27(5):265–7.
Animal models for evaluation of arthritis drugs. Greenwald RA. **Methods Find Exp Clin Pharmacol** 1991 Mar; 13(2):75–83 (8 ref.)
Adjuncts to the therapy of bacterial meningitis. Tuomanen E. **Pediatr Infect Dis J** 1990 Oct;9(10):782–3 (24 ref.)
Current issues in NSAID therapy. Miller LG, et al. **Prim Care** 1990 Sep;17(3):589–601 (78 ref.)
Etodolac: analgesic effects in musculoskeletal and postoperative pain. Pena M. **Rheumatol Int** 1990;10 Suppl:9–16 (18 ref.)
[Current and future aspects of chondroprotective treatments (editorial)] Bannwarth B, et al. **Presse Med** 1991 Apr 20; 20(15):683–5 (10 ref.) (Fre)
[Nonsteroidal antiphlogistic drugs. Development of current knowledge of the mechanism of action] Hirschelmann R. **Med Monatsschr Pharm** 1991 Apr;14(4):100–8 (51 ref.) (Ger)
[Application and value of nonsteroidal inflammation inhibitors in arthritis] Schlumpf U. **Ther Umsch** 1991 Jan; 48(1):34–41 (29 ref.) (Eng. Abstr.) (Ger)
[Anti-rheumatic agents: when--which ones?] Miehlke K. **Verh Dtsch Ges Inn Med** 1990;96:182–7 (3 ref.) (Ger)
[Central analgesic effects of non-steroidal anti-rheumatic agents] Jurna I. **Z Rheumatol** 1991;50 Suppl 1:7–13 (46 ref.) (Eng. Abstr.) (Ger)
[Not very safe anti-inflammatory therapy: NSAID and milk] Gava R. **G Clin Med** 1990 Nov;71(11):679–85 (47 ref.) (Ita)
[Nonsteroidal anti-inflammatory drugs (NSAID) in the treatment of postoperative pain] Novelli GP, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):345–7 (7 ref.) (Ita)
[Methoxybutropate in the therapy of PID (pelvic inflammatory diseases)] Stillo A, et al. **Minerva Ginecol** 1991 Jan–Feb;43(1–2):57–9 (14 ref.) (Eng. Abstr.) (Ita)
[Clinical application of non-steroidal anti-inflammatory drugs for gouty arthritis] Matsumoto Y. **Nippon Rinsho** 1991 May;49(5):1116–23 (11 ref.) (Jpn)
[Current principles of chemotherapy of nonspecific ulcerative colitis in children] Denisova MF. **Pediatriia** 1990;(7):97–101 (62 ref.) (Rus)
[The prospects for using nonsteroidal anti-inflammatory agents in the treatment of malignant neoplasms] Ushmorov AG. **Vopr Onkol** 1990;36(10):1163–70 (53 ref.) (Rus)

ANTI-INFLAMMATORY AGENTS, STEROIDAL

Inhibition of the induction of nitric oxide synthase by glucocorticoids: yet another explanation for their anti-inflammatory effects? Moncada S, et al. **Trends Pharmacol Sci** 1991 Apr;12(4):130–1 (6 ref.)

ADMINISTRATION & DOSAGE

Treatment of low back pain. Rowlingson JC, et al. **Int Anesthesiol Clin** 1991 Winter;29(1):57–68 (24 ref.)

THERAPEUTIC USE

Epidemiology of obstruction, exacerbations and hyperreactivity. Effects of glucocorticosteroids and other anti-inflammatory treatment. Pride NB. **Agents Actions Suppl** 1990;30:59–72 (19 ref.)
Disease modifying drugs for rheumatoid arthritis: yesterday's treatment today or today's treatment tomorrow? Pullar T. **Br J Clin Pharmacol** 1990 Oct;30(4):501–10 (73 ref.)
Asthma: current strategies for treatment. Reiss TF, et al. **Cleve Clin J Med** 1991 Mar–Apr;58(2):161–9 (76 ref.)
[Drug therapy of chronic inflammatory intestinal diseases (see comments)] Raedler A, et al. **Immun Infekt** 1990 Aug; 18(4):121–6 (52 ref.) (Eng. Abstr.) Comment in: Immun Infekt 1990 Aug;18(4):109. (Ger)

ANTILEPROTIC AGENTS see **LEPROSTATIC AGENTS**

ANTILIPEMIC AGENTS

Mechanisms of lipid-lowering agents. Sirtori CR, et al. **Cardiology** 1991;78(3):226–35 (27 ref.)
Thyroid hormone. Basis for its hypocholesterolemic effect. Ness GC. **J Fla Med Assoc** 1991 Jun;78(6):383–5 (23 ref.)
[Garlic as phytogenic antilipemic agent. Recent studies with a standardized dry garlic powder substance] Brosche T, et al. **Fortschr Med** 1990 Dec 20;108(36):703–6 (0 ref.) (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

A comparative review of the adverse effects of treatments for hyperlipidaemia. Steiner A, et al. **Drug Saf** 1991 Mar–Apr;6(2):118–30 (115 ref.)

BLOOD

Effects of gemfibrozil and other fibric acid derivatives on blood lipids and lipoproteins. Zimetbaum P, et al. **J Clin Pharmacol** 1991 Jan;31(1):25–37 (96 ref.)

PHARMACOLOGY

Therapeutic potential of ACAT inhibitors as lipid lowering and anti-atherosclerotic agents. Sliskovic DR, et al. **Trends Pharmacol Sci** 1991 May;12(5):194–9 (43 ref.)

THERAPEUTIC USE

Therapeutic implications of lipid-lowering agents in the progression of renal disease. Keane WF, et al. **Am J Med** 1989 Nov;87(5N):21N–24N (42 ref.)
Lipid-lowering agents in proteinuric diseases. Appel GB, et al. **Am J Nephrol** 1990;10 Suppl 1:110–5 (48 ref.)
Practical drug therapy for common hyperlipidaemias. Tikkanen MJ. **Baillieres Clin Endocrinol Metab** 1990 Dec; 4(4):719–42 (77 ref.)
Drugs affecting triglycerides. Capurso A. **Cardiology** 1991; 78(3):218–25 (39 ref.)
Hyperlipoproteinemia in chronic renal failure: pathophysiological and therapeutic aspects. Wanner C, et al. **Cardiology** 1991;78(3):202–17 (96 ref.)
Drug intervention trials in dyslipidemia: the past and the future. Dujovne CA. **Clin Cardiol** 1991 Feb;14(2 Suppl

1):148–52 (14 ref.)
Prevention and regression of atherosclerosis with drug therapy. Superko HR. **Clin Cardiol** 1991 Feb;14(2 Suppl 1):I40–7 (48 ref.)
Indications for lipid-lowering drugs. Davignon J. **Eur J Clin Pharmacol** 1991;40 Suppl 1:S3–10 (68 ref.)
Beclobrate:pharmacodynamic properties and therapeutic use in hyperlipidemia. Wanner C, et al. **Eur J Clin Pharmacol** 1991;40 Suppl 1:S85–9 (32 ref.)
[New studies: lipid regulation prevents development of atherosclerosis] Olsson AG. **Lakartidningen** 1991 Jun 19; 88(25):2289–92 (15 ref.) **(Swe)**

ANTILYMPHOBLAST GLOBULINS see **ANTILYMPHOCYTE SERUM**

ANTILYMPHOCYTE ANTIBODIES see **ANTILYMPHOCYTE SERUM**

ANTILYMPHOCYTE GLOBULIN see **ANTILYMPHOCYTE SERUM**

ANTILYMPHOCYTE SERUM

IMMUNOLOGY

Regulation of immunity by anti-T-cell antibodies. Wofsy D. **West J Med** 1990 Sep;153(3):265–8 (34 ref.)

THERAPEUTIC USE

Studies in rodents on the use of polyclonal antilymphocyte serum and donor-specific bone marrow to induce specific unresponsiveness to skin allografts. Monaco AP. **Transplant Proc** 1991 Aug;23(4):2061–7 (38 ref.)
[Current status of the drug therapy of sever aplastic anemia] Zhang MH. **Chung Hua Nei Ko Tsa Chih** 1991 May; 30(5):302–4 (13 ref.) **(Chi)**

ANTIMALARIALS

[Synthetic antimalarials and skin] Ribrioux A. **Ann Dermatol Venereol** 1990;117(12):975–90 (80 ref.) **(Fre)**

ADVERSE EFFECTS

The risks of antimalarial retinopathy, azathioprine lymphoma and methotrexate hepatotoxicity during the treatment of rheumatoid arthritis. Urowitz MB, et al. **Baillieres Clin Rheumatol** 1991 Aug;4(2):193–206 (76 ref.)
Ascertainment of risk of serious adverse reactions associated with chemoprophylactic antimalarial drugs. Phillips-Howard PA, et al. **Bull World Health Organ** 1990; 68(4):493–504 (89 ref.)

ANTAGONISTS & INHIBITORS

Drug resistance in malaria. Peters W. **Recenti Prog Med** 1990 Dec;81(12):749–53 (29 ref.)

METABOLISM

Metabolism of antimalarial sesquiterpene lactones. Lee IS, et al. **Pharmacol Ther** 1990;48(3):345–55 (58 ref.)

PHARMACOLOGY

Plasmodium: resistance to antimalarial drugs. Peters W. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:103–6 (8 ref.)
Chemotherapy and drug resistance in malaria. Cowman AF, et al. **Int J Parasitol** 1990 Jul;20(4):503–13 (98 ref.)
Can ethnopharmacology contribute to the development of antimalarial agents? Phillipson JD, et al. **J Ethnopharmacol** 1991 Apr;32(1–3):155–65 (58 ref.)
Artemisia annua L.: a source of novel antimalarial drugs. Woerdenbag HJ, et al. **Pharm Weekbl [Sci]** 1990 Oct 19; 12(5):169–81 (169 ref.)
The dihydrofolate reductase-thymidylate synthetase gene in the drug resistance of malaria parasites. Hyde JE. **Pharmacol Ther** 1990;48(1):45–59 (76 ref.)
The prevention of antimalarial drug resistance. Peters W. **Pharmacol Ther** 1990;47(3):499–508 (67 ref.)
Calcium/calmodulin functions in P. falciparum in vitro—implications for antiprotozoal drug design. Scheibel LW, et al. **Prog Clin Parasitol** 1989;1:21–56 (172 ref.)
The resistance of falciparum malaria in Africa to 4-aminoquinolines and antifolates. Schapira A. **Scand J Infect Dis Suppl** 1990;75:1–64 (182 ref.)
[A new approach to overcoming the drug resistance of the causative agents of malaria] Orlov VS, et al. **Med Parazitol (Mosk)** 1990 Sep–Oct;(5):18–21 (42 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Preventive therapy for malaria. Johnson LW. **Am Fam Physician** 1991 Aug;44(2):471–8 (15 ref.)
Antimalarials in rheumatic diseases. Tett S, et al. **Baillieres Clin Rheumatol** 1990 Dec;4(3):467–89 (148 ref.)
Antimalarial medications in dermatology. A review. Weiss JS. **Dermatol Clin** 1991 Apr;9(2):377–85 (103 ref.)
Challenges facing antimalarial therapy in Africa. Campbell CC. **J Infect Dis** 1991 Jun;163(6):1207–11 (25 ref.)
The dynamics of drug resistance in Plasmodium falciparum. Wernsdorfer WH, et al. **Pharmacol Ther** 1991;50(1):95–121 (127 ref.)
Malaria at Johannesburg Hospital. A retrospective study. Jairam KT, et al. **S Afr Med J** 1990 Oct 20;78(8):467–9 (18 ref.)
Drugs that reverse chloroquine resistance in malaria. Salomone S, et al. **Trends Pharmacol Sci** 1990 Dec; 11(12):475–6 (27 ref.)
Practical chemotherapy of malaria. Report of a WHO Scientific Group. **WHO Tech Rep Ser** 1990;805:1–141 (0 ref.)
[Current drugs for the treatment of tropical malaria] Fernex M, et al. **Schweiz Rundsch Med Prax** 1991 Jan 22; 80(4):67–71 (41 ref.) (Eng. Abstr.) **(Ger)**
[Possibilities and limitations of malaria therapy in general practice] Markwalder K. **Schweiz Rundsch Med Prax** 1991 Jan 22;80(4):62–6 (43 ref.) (Eng. Abstr.) **(Ger)**
[Malaria prophylaxis: what is safe?] Holzer RB. **Ther Umsch** 1990 Oct;47(10):795–808 (55 ref.) (Eng. Abstr.) **(Ger)**

ANTIMETABOLITES

see related
ANTIMETABOLITES, ANTINEOPLASTIC

PHARMACOLOGY

The use of metabolic inhibitors in the analysis of eukaryotic DNA repair. Collins A, et al. **Acta Biol Hung** 1990; 41(1–3):65–75 (17 ref.)
Properties of purine and pyrimidine analogs. Hitchings GH. **Adv Enzyme Regul** 1991;31:433–43 (36 ref.)

ANTIMETABOLITES, ANTINEOPLASTIC

ADMINISTRATION & DOSAGE

Issues for the future development of fludarabine phosphate. Cheson BD. **Semin Oncol** 1990 Oct;17(5 Suppl 8):71–8 (35 ref.)

PHARMACOLOGY

Properties of purine and pyrimidine analogs. Hitchings GH. **Adv Enzyme Regul** 1991;31:433–43 (36 ref.)
Antimetabolites. Allegra CJ, et al. **Cancer Chemother Biol Response Modif** 1990;11:1–28 (106 ref.)
Antimetabolites. Schornagel JH. **Curr Opin Oncol** 1989 Dec; 1(2):179–85 (28 ref.)
Metabolism and action of fludarabine phosphate. Plunkett W, et al. **Semin Oncol** 1990 Oct;17(5 Suppl 8):3–17 (94 ref.)

THERAPEUTIC USE

Regulation of de novo and salvage pathways in chemotherapy. Weber G, et al. **Adv Enzyme Regul** 1991; 31:45–67 (37 ref.)
New drugs in the treatment of acute and chronic leukemia with some emphasis on m-AMSA. Jehn U, et al. **Anticancer Res** 1991 Mar–Apr;11(2):705–11 (67 ref.)
Antimetabolites. Capizzi RL, et al. **Baillieres Clin Haematol** 1991 Jan;4(1):15–45 (146 ref.)
Fludarabine phosphate: a synthetic purine antimetabolite with significant activity against lymphoid malignancies. Chun HG, et al. **J Clin Oncol** 1991 Jan;9(1):175–88 (96 ref.)
Fludarabine phosphate therapy in other lymphoid malignancies. Kantarjian HM, et al. **Semin Oncol** 1990 Oct; 17(5 Suppl 8):66–70 (18 ref.)
Fludarabine phosphate in the treatment of chronic lymphocytic leukemia. Keating MJ. **Semin Oncol** 1990 Oct; 17(5 Suppl 8):49–62 (59 ref.)
Phase I clinical trials with fludarabine phosphate. Von Hoff DD. **Semin Oncol** 1990 Oct;17(5 Suppl 8):33–8 (36 ref.)

ANTIMITOTIC AGENTS see **ANTINEOPLASTIC AGENTS**

ANTIMUSCARINIC AGENTS see **PARASYMPATHOLYTICS**

ANTINEMATODAL AGENTS

ADMINISTRATION & DOSAGE

A review of chemical methods available for the control of gastrointestinal nematodes of sheep and cattle. Van Wyk JA. **J S Afr Vet Assoc** 1990 Sep;61(3):136–40 (30 ref.)

THERAPEUTIC USE

[Is systematic vermifugation of small ruminants in Sahelo-Sudanian Africa against gastrointestinal nematodes still advisable?] Thys E, et al. **Rev Elev Med Vet Pays Trop** 1990;43(2):187–91 (34 ref.) (Eng. Abstr.) **(Fre)**

ANTINEOPLASTIC AGENTS

see related
INFUSIONS, INTRA-ARTERIAL
PERFUSION, REGIONAL

Mechanisms of the antimetastatic activity of stable prostacyclin analogues: modulation of host immunocompetence. Costantini V, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:917–20 (10 ref.)
Effects of prostacyclin analogues in in vivo tumor models. Schneider MR, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:901–8 (11 ref.)
Antiproliferative effects of lipoxygenase inhibitors on human leukemia cells. Snyder DS. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:921–4 (11 ref.)
Antitumor, antiviral and immunopotentiating activities of pine cone extracts: potential medicinal efficacy of natural and synthetic lignin-related materials (review). Sakagami H, et al. **Anticancer Res** 1991 Mar–Apr;11(2):881–8 (58 ref.)
Selenium. Preclinical studies of anticancer therapeutic potential. Batist G. **Biol Trace Elem Res** 1988 Jan–Apr; 15:223–9 (21 ref.)
TNF: a brief review with emphasis on its antitumor activity. Scheringa M, et al. **Biotherapy** 1990;2(3):275–81 (60 ref.)
Membrane-interactive lipids as experimental anticancer drugs [editorial] Berdel WE. **Br J Cancer** 1991 Aug;64(2):208–11 (60 ref.)
Introduction to toremifene. Kangas L. **Breast Cancer Res Treat** 1990 Aug;16 Suppl:S3–7 (14 ref.)
Preclinical studies with toremifene as an antitumor agent. Robinson SP, et al. **Breast Cancer Res Treat** 1990 Aug;16 Suppl:S9–17 (25 ref.)
Clinical use of differentiating agents in cancer therapy. Dmitrovsky E, et al. **Cancer Chemother Biol Response Modif** 1990;11:303–20 (162 ref.)
Biological effects and clinical applications of human colony-stimulating factors. Gabrilove JL, et al. **Cancer Chemother Biol Response Modif** 1990;11:631–62 (126 ref.)
Second generation analogs of etoposide and mitomycin C. Doyle TW, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):127–31 (20 ref.)
Hexadecylphosphocholine: a new and selective antitumor drug. Eibl H, et al. **Cancer Treat Rev** 1990 Sep; 17(2–3):233–42 (21 ref.)
Novel anthracycline analogs. Grandi M, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):133–8 (18 ref.)
New tumor-inhibiting metal complexes. Keppler BK, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):261–77 (41 ref.)
Platinum compounds. Belani CP, et al. **Curr Opin Oncol** 1989 Dec;1(2):186–91 (32 ref.)
Alkylating agents. Lind MJ, et al. **Curr Opin Oncol** 1989 Dec;1(2):192–7 (17 ref.)
Prostaglandin J2--anti-tumour and anti-viral activities and the mechanisms involved. Fukushima M. **Eicosanoids** 1990; 3(4):189–99 (147 ref.)
New drug development. Kaye SB. **Eur J Cancer** 1991; 27(3):377–80 (30 ref.)
ImuVert therapy in the treatment of recurrent malignant astrocytomas: nursing implications. Cress NB, et al. **J Neurosci Nurs** 1991 Feb;23(1):29–33 (20 ref.)
Suramin, a novel antitumor compound. La Rocca RV, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):893–8 (33 ref.)
Anti-epidermal growth factor receptor monoclonal antibodies as potential anti-cancer agents. Mendelsohn J. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):889–92 (19 ref.)
Long-term treatment with antiandrogens. Rasmussen F. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):917–9 (15 ref.)
Developments of the fluoropyrimidines as inhibitors of thymidylate synthetase: pharmacologic and clinical aspects. Machover D. **J Surg Oncol Suppl** 1991;2:42–50 (72 ref.)
Ether lipids in cancer chemotherapy. Berdel WE, et al. **Keio J Med** 1990 Jun;39(2):75–8 (36 ref.)
The cytotoxic action of OK-432 from Streptococcus pyogenes. Juranić Z, et al. **Med Hypotheses** 1990 Oct; 33(2):73–4 (12 ref.)
Suramin: the discovery of an old anticancer drug. Zaniboni A. **Med Oncol Tumor Pharmacother** 1990;7(4):287–90 (32 ref.)
Cancer chemoprevention by retinoids: animal models. Moon RC, et al. **Methods Enzymol** 1990;190:395–406 (38 ref.)
Vinorelbine (Navelbine). A new semisynthetic vinca alkaloid. Krikorian A, et al. **Onkologie** 1991 Feb;14(1):7–12 (22 ref.)
Biochemical modulation of cytosine arabinoside. Grant S. **Pharmacol Ther** 1990;48(1):29–44 (161 ref.)
Protective role of butylated hydroxytoluene and certain carotenoids in photocarcinogenesis. Black HS, et al. **Photochem Photobiol** 1991 May;53(5):707–16 (71 ref.)
[Advances in research of antineoplastic drug resistance with calcium antagonists] Wu WD. **Chung Hua Nei Ko Tsa Chih** 1990 Nov;29(11):686–8 (13 ref.) **(Chi)**
[Acetylenic enzyme inhibitors: their role in anticancer chemotherapy] Bador P, et al. **Pharm Acta Helv** 1990; 65(11):305–10 (28 ref.) (Eng. Abstr.) **(Fre)**
[Studies on total syntheses of cytotoxic cyclic peptides of marine origin] Hamada Y. **Yakugaku Zasshi** 1991 Jan; 111(1):1–18 (55 ref.) (Eng. Abstr.) **(Jpn)**
[Antioxidants in the chemotherapy of tumors] Burlakova EB, et al. **Vopr Onkol** 1990;36(10):1155–62 (25 ref.) **(Rus)**
[The prospects for using nonsteroidal anti-inflammatory

agents in the treatment of malignant neoplasms] Ushmorov AG. **Vopr Onkol** 1990;36(10):1163–70 (53 ref.) **(Rus)**

ADMINISTRATION & DOSAGE

Regional chemotherapy for colorectal hepatic metastases using degradable starch microspheres. A review. Ball AB. **Acta Oncol** 1991;30(3):309–13 (72 ref.)

The multifrequency (circadian, fertility cycle, and season) balance between host and cancer. Hrushesky WJ. **Ann N Y Acad Sci** 1991;618:228–56 (56 ref.)

Targetable polymeric anticancer drugs. Temporal control of drug activity. Kopeček J. **Ann N Y Acad Sci** 1991; 618:335–44 (38 ref.)

The therapeutic index of cytotoxic chemotherapy depends upon circadian drug timing. Von Roemeling R. **Ann N Y Acad Sci** 1991;618:292–311 (80 ref.)

Low-dose chemotherapy and differentiating agents. Chomienne C. **Baillieres Clin Haematol** 1991 Jan;4(1):47–68 (109 ref.)

Antibody-directed enzyme/prodrug therapy (ADEPT). Bagshawe KD. **Biochem Soc Trans** 1990 Oct;18(5):750–2 (28 ref.)

Recent advances with monoclonal antibody drug targeting for the treatment of human cancer. Koppel GA. **Bioconjug Chem** 1990 Jan–Feb;1(1):13–23 (45 ref.)

Clinical experience of targeted therapy. Eichler HG. **Biotherapy** 1991;3(1):77–85 (71 ref.)

The dose-response effect: a critical analysis. Amadori S. **Bone Marrow Transplant** 1991;7 Suppl 2:154–6 (12 ref.)

High-dose chemotherapy of small-cell lung cancer with and without bone marrow transplantation. Sculier JP, et al. **Cancer Treat Res** 1989;45:259–74 (51 ref.)

Regional chemotherapy: different operative techniques and clinical results. Schlag P. **Cancer Treat Rev** 1990 Sep; 17(2–3):177–82 (35 ref.)

Hepatic artery infusion and chemoembolization in the management of liver metastases. Wallace S, et al. **Cardiovasc Intervent Radiol** 1990 Jun–Jul;13(3):153–60 (56 ref.)

Chemoembolism in cancer chemotherapy. Kerr DJ, et al. **Crit Rev Ther Drug Carrier Syst** 1991;8(1):19–37 (57 ref.)

Drug delivery systems. Noteborn HP, et al. **Curr Opin Oncol** 1989 Dec;1(2):222–30 (47 ref.)

Schedule as a determinant of cytotoxic drug activity. O'Dwyer PJ, et al. **Curr Opin Oncol** 1989 Dec;1(2):174–8 (15 ref.)

Current pharmacological treatment approaches to central nervous system leukaemia. Blaney SM, et al. **Drugs** 1991 May;41(5):702–16 (64 ref.)

Potential innovations in scheduling of cancer chemotherapy. Norton L, et al. **Important Adv Oncol** 1991;:57–72 (83 ref.)

High-dose chemotherapy and autologous bone marrow support for breast cancer. Peters WP. **Important Adv Oncol** 1991;:135–50 (77 ref.)

Interstitial chemotherapy for brain tumors: review. Tomita T. **J Neurooncol** 1991 Feb;10(1):57–74 (96 ref.)

Drug targeting in cancer chemotherapy: a clinical perspective. Gupta PK. **J Pharm Sci** 1990 Nov; 79(11):949–62 (221 ref.)

Concept of maximum tolerated systemic exposure and its application to phase I–II studies of anticancer drugs. Evans WE, et al. **Med Pediatr Oncol** 1991;19(3):153–9 (20 ref.)

Intraperitoneal chemotherapy for peritoneal carcinomatosis from colonic or appendiceal cystadenocarcinoma: rationale and results of treatment. Sugarbaker PH, et al. **Prog Clin Biol Res** 1990;354B:141–70 (10 ref.)

Intraperitoneal chemotherapy. Markman M. **Semin Oncol** 1991 Jun;18(3):248–54 (43 ref.)

[Intraperitoneal treatment of tumors of the ovary] Wendling C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991; 20(2):241–7 (42 ref.) (Eng. Abstr.) **(Fre)**

[Malignant melanoma: hepatic intra-arterial chemotherapy] Khayat D, et al. **Pathol Biol (Paris)** 1990 Oct;38(8):872–5 (25 ref.) **(Fre)**

[Carcinoma in situ of the urinary bladder—definition and status of treatment] Otto T, et al. **Urologe [A]** 1991 May; 30(3):163–6 (49 ref.) (Eng. Abstr.) **(Ger)**

[First experiences with intraperitoneal chemotherapy] Pikó B, et al. **Orv Hetil** 1991 Jun 2;132(22):1199–201 (30 ref.) (Eng. Abstr.) **(Hun)**

[The locoregional chemotherapeutic treatment of neoplasms] Lerza R, et al. **Recenti Prog Med** 1991 Feb;82(2):115–20 (46 ref.) (Eng. Abstr.) **(Ita)**

[Preoperative treatment of esophageal cancer with oral peplomycin jelly] Sasamoto M, et al. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1613–9 (9 ref.) (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Histopathologic reactions to chemotherapeutic agents. Fitzpatrick JE, et al. **Adv Dermatol** 1988;3:161–83 (44 ref.)

Lessons on the second cancers resulting from cancer chemotherapy. Goldstein BD. **Adv Exp Med Biol** 1991; 283:619–25 (26 ref.)

Methodology of antiemetic trials: a review. Tonato M, et al. **Ann Oncol** 1991 Feb;2(2):107–14 (34 ref.)

Effects of chemotherapy on fertility. Barton C, et al. **Blood Rev** 1990 Sep;4(3):187–95 (127 ref.)

The late effects of cancer therapy in childhood [editorial] Morris Jones PH. **Br J Cancer** 1991 Jul;64(1):1–2 (25 ref.)

Management of vomiting associated with cytotoxic therapy. Jones AL, et al. **Br J Hosp Med** 1991 Feb;45(2):85–8 (21 ref.)

Advances in data assessment. Application to the etiology of nausea reported during chemotherapy, concerns about significance testing, and opportunities in clinical trials. Morrow GR, et al. **Cancer** 1991 Feb 1;67(3 Suppl):780–7 (31 ref.)

Assessment of chemotherapy-associated nephrotoxicity in children with cancer. Skinner R, et al. **Cancer Chemother Pharmacol** 1991;28(2):81–92 (82 ref.)

Development of a staging system for chemotherapy-induced stomatitis. Western Consortium for Cancer Nursing Research. **Cancer Nurs** 1991 Feb;14(1):6–12 (30 ref.)

Late complications associated with the treatment of small-cell lung cancer. Feld R. **Cancer Treat Res** 1989; 45:301–23 (112 ref.)

Gonadal toxicity following cancer therapy in adults: significance, diagnosis, prevention and treatment. Kreuser ED, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):169–75 (28 ref.)

The molecular basis of interstitial pulmonary fibrosis caused by antineoplastic agents. Lazo JS, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):165–7 (20 ref.)

The use of haemoregulatory peptides (pEEDCK monomer and dimer) for reduction of cytostatic drug induced haemopoietic damage. Paukovits WR, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):347–54 (13 ref.)

Granisetron (BRL 43694) in the treatment of cytostatic drug-induced emesis: a summary. Pintens H. **Cancer Treat Rev** 1990 Sep;17(2–3):307–10 (4 ref.)

Batanopride (BMY-25801): a new 5-HT3 receptor antagonist for the prevention of cancer chemotherapy-induced emesis. Smaldone L, et al. **Cancer Treat Rev** 1990 Sep; 17(2–3):319–27 (11 ref.)

The emetic effects of cancer chemotherapy. Dundee JW, et al. **Compr Ther** 1990 Nov;16(11):58–63 (24 ref.)

Chemotherapy-induced nausea and vomiting. Sledge GW Jr. **Curr Opin Oncol** 1990 Oct;2(5):909–14 (24 ref.)

Controlling emesis related to cancer therapy. Aapro MS. **Eur J Cancer** 1991;27(3):356–61 (98 ref.)

Cytotoxic drugs in the treatment of skin disease. Rapini RP. **Int J Dermatol** 1991 May;30(5):313–22 (150 ref.)

Cancer occurring after radiotherapy and chemotherapy. Holm LE. **Int J Radiat Oncol Biol Phys** 1990 Nov; 19(5):1303–8 (33 ref.)

Theories of self-care: their relevance to chemotherapy-induced nausea and vomiting. Richardson A. **J Adv Nurs** 1991 Jun;16(6):671–6 (51 ref.)

Chemotherapy-induced acral erythema. Baack BR, et al. **J Am Acad Dermatol** 1991 Mar;24(3):457–61 (24 ref.)

5-Hydroxytryptamine (serotonin) subtype 3 antagonists, a major step in prophylaxis and control of cytostatic and radiation-induced emesis. Bremer K. **J Cancer Res Clin Oncol** 1991;117(1):85–7 (25 ref.)

Sudden death due to disease flare with luteinizing hormone-releasing hormone agonist therapy for carcinoma of the prostate. Thompson IM, et al. **J Urol** 1990 Dec; 144(6):1479–80 (15 ref.)

Secondary neoplasms following cancer treatment with a special emphasis on lung tumors. Klastersky J, et al. **Neoplasma** 1991;38(3):253–6 (13 ref.)

Cytotoxic chemotherapy-induced second primary neoplasms: clinical aspects. Petru E, et al. **Neoplasma** 1991;38(2):147–55 (41 ref.)

5HT3-antagonist receptors: their role in drug-induced emesis. Dieras V, et al. **Nouv Rev Fr Hematol** 1990; 32(6):449–52 (11 ref.)

Strategic use of benzodiazepines in cancer patients. Greenberg DB. **Oncology (Williston Park)** 1991 Apr; 5(4):83–8; discussion 88, 90, 95 (47 ref.)

Optimal management of acute toxicities of therapy. Gootenberg JE, et al. **Pediatr Clin North Am** 1991 Apr; 38(2):269–97 (233 ref.)

Long-term consequences of CNS treatment for childhood cancer, Part I: Pathologic consequences and potential for oncogenesis. Cohen ME, et al. **Pediatr Neurol** 1991 May–Jun;7(3):157–63 (48 ref.)

Reproductive potential in survivors of childhood malignancy. Levy MJ, et al. **Pediatrician** 1991;18(1):61–70 (70 ref.)

The risks of handling cytotoxic drugs. II. Recommendations for working with cytotoxic drugs. Kaijser GP, et al. **Pharm Weekbl [Sci]** 1990 Dec 14;12(6):228–35 (119 ref.)

The risks of handling cytotoxic drugs. I. Methods of testing exposure. Kaijser GP, et al. **Pharm Weekbl [Sci]** 1990 Dec 14;12(6):217–27 (137 ref.)

Towards improved cancer therapy using subcutaneously administered hemopoietic colony stimulating factors. Morstyn G, et al. **Prog Clin Biol Res** 1990;354B:29–36 (12 ref.)

Controlling emesis in patients receiving cancer chemotherapy. Gralla RJ. **Recent Results Cancer Res** 1991; 121:68–85 (61 ref.)

Ondansetron, a new antiemetic therapy for oncology. An overview. Lip H. **Scand J Gastroenterol Suppl** 1990; 178:55–61 (38 ref.)

The nephrotoxicity of chemotherapeutic agents. Narins RG, et al. **Semin Nephrol** 1990 Nov;10(6):556–64 (89 ref.)

Chemoprotectants for cancer chemotherapy. Dorr RT. **Semin Oncol** 1991 Feb;18(1 Suppl 2):48–58 (76 ref.)

Toxicity and clinical tolerance of lonidamine. Robustelli della Cuna G, et al. **Semin Oncol** 1991 Apr;18(2 Suppl 4):18–22 (26 ref.)

Practical aspects of dealing with cancer therapy-induced nausea and vomiting. Pervan V. **Semin Oncol Nurs** 1990 Nov;6(4 Suppl 1):3–5 (12 ref.)

[Alopecia caused by cytostatic agents] Franssen CF, et al. **Ned Tijdschr Geneeskd** 1991 Jun 15;135(24):1070–3 (27 ref.) **(Dut)**

[Gonadal function after cancer treatments in childhood] Brauner R, et al. **Ann Pediatr (Paris)** 1990 Sep;37(7):437–43 (37 ref.) (Eng. Abstr.) **(Fre)**

[Use of hematopoietic growth factors in oncology] Delmer A, et al. **Bull Cancer (Paris)** 1991;78(2):115–31 (72 ref.) (Eng. Abstr.) **(Fre)**

[Endocrine complications of treatment of brain tumors in children] Nicolino M, et al. **Pediatrie** 1991;46(1):109–19 (41 ref.) (Eng. Abstr.) **(Fre)**

[Prevention and therapy of cytostatic-induced vomiting] Riess H, et al. **Dtsch Med Wochenschr** 1991 May 3; 116(18):705–12 (48 ref.) **(Ger)**

[Preventive and therapeutic measures in cytostatic-associated toxicity] Cerny T, et al. **Schweiz Med Wochenschr** 1990 Sep 15;120(37):1353–62 (15 ref.) (Eng. Abstr.) **(Ger)**

[Effects of adjuvant chemotherapy of breast cancer on gonadal function] Müller H. **Zentralbl Gynakol** 1990; 112(13):795–801 (31 ref.) (Eng. Abstr.) **(Ger)**

[Carcinogenicity of anticancer agents] Hayashi Y, et al. **Gan To Kagaku Ryoho** 1990 Dec;17(12):2293–8 (10 ref.) (Eng. Abstr.) **(Jpn)**

[Nausea and vomiting during treatment with cytostatics] Kaasa S, et al. **Tidsskr Nor Laegeforen** 1991 Mar 20; 111(8):941–4 (14 ref.) (Eng. Abstr.) **(Nor)**

[Treatment of neoplasms in pregnancy. I] Robak T, et al. **Przegl Lek** 1990;47(7):562–4 (16 ref.) **(Pol)**

[Effects of radiotherapy and chemotherapy on the heart and pericardium in patients with lymphogranulomatosis] Cheban OI, et al. **Kardiologiia** 1991 Feb;31(2):75–8 (79 ref.) **(Rus)**

[A new cancer treatment: better for maintaining sexual function and fertility] Von Euler M. **Lakartidningen** 1990 Dec 12;87(50):4337–9 (13 ref.) **(Swe)**

[Interactions between cytostatic agents and other drugs] Henriksson R, et al. **Nord Med** 1990;105(12):335–7 (1 ref.) (Eng. Abstr.) **(Swe)**

ANALYSIS

Analytical methodologies for the quantitation of platinum anti-cancer drugs and related compounds in biological media. De Waal WA, et al. **J Pharm Biomed Anal** 1990; 8(1):1–30 (128 ref.)

ANTAGONISTS & INHIBITORS

[The mechanisms of the resistance of malignant cells to cytostatics] Reichle A, et al. **Dtsch Med Wochenschr** 1991 Feb 1;116(5):186–91 (59 ref.) **(Ger)**

CHEMICAL SYNTHESIS

Antitumor imidazotetrazinones: prodrugs targeted to the major groove of DNA. Stevens MF. **Farmaco** 1991 Jan;46(1 Suppl):147–59 (39 ref.)

[Ether lipids—synthesis and application in tumor therapy] Zeisig R, et al. **Pharmazie** 1990 Nov;45(11):809–18 (133 ref.) **(Ger)**

[Synthesis and antitumor activity of new analogs of anthracycline antibiotics modified by aglycon] Olsuf'eva EN. **Bioorg Khim** 1990 Nov;16(11):1445–64 (82 ref.) (Eng. Abstr.) **(Rus)**

CHEMISTRY

Chromatographic analysis of anticancer drugs. Tjaden UR, et al. **J Chromatogr** 1990 Oct 12;531:235–94 (446 ref.)

Drug molecules of marine origin. Kaul PN. **Prog Drug Res** 1990;35:521–57 (557 ref.)

[Fluorine-19 nuclear magnetic resonance spectroscopy: a privileged tool for the study of the metabolism and pharmacokinetics of fluoropyrimidines] Malet-Martino MC, et al. **Bull Cancer (Paris)** 1990;77(12):1223–44 (54 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

Iodine 131 metaiodobenzylguanidine scintigraphy of medullary carcinoma of the thyroid [published erratum appears in South Med J 1991 Jul;84(7):816, 937] Skowsky WR, et al. **South Med J** 1991 May;84(5):636–41 (33 ref.)

HISTORY

The chemical and biological route from podophyllotoxin glucoside to etoposide: ninth Cain memorial Award lecture. Stähelin HF, et al. **Cancer Res** 1991 Jan 1;51(1):5–15 (86 ref.)

METABOLISM

The clinical relevance of multidrug resistance. Bellamy WT, et al. **Cancer Invest** 1990;8(5):547–62 (139 ref.)

Cellular uptake and photosensitizing properties of anticancer porphyrins in cell membranes and low and high density lipoproteins. Maziere JC, et al. **J Photochem Photobiol B** 1990 Jun;6(1–2):61–8 (37 ref.)

PHARMACOKINETICS

Haemodynamic and transport barriers to the treatment of

solid tumours. Jain RK. **Int J Radiat Biol** 1991 Jul-Aug; 60(1-2):85-100 (54 ref.)

Pharmacodynamics in cancer therapy. Ratain MJ, et al. **J Clin Oncol** 1990 Oct;8(10):1739-53 (120 ref.)

Pharmacokinetics and pharmacodynamics of anticancer agents: contributions to the therapy of childhood cancer. Petros WP, et al. **Pharmacotherapy** 1990;10(5):313-25 (78 ref.)

Forbeck forum on improved drug delivery to brain tumors. Freeman AI, et al. **Sel Cancer Ther** 1990 Fall;6(3):109-18 (31 ref.)

A pharmacologic approach to dosage intensification. Weiss AJ. **Sel Cancer Ther** 1990 Fall;6(3):129-34 (16 ref.)

[Biochemical mechanisms of antitumor drug resistance] Tsuruo T. **Seikagaku** 1990 Sep;62(9):1144-53 (58 ref.) **(Jpn)**

PHARMACOLOGY

Redox parameters associated to cytotoxic and antitumor activities in the series of antitumor drugs ellipticines and derivatives. Auclair C. **Adv Exp Med Biol** 1990;264:317-22 (27 ref.)

Peroxidase induced metabolism and lipid peroxide scavenging by antitumor agents Kolodziejczyk P, et al. **Adv Exp Med Biol** 1990;264:323-38 (14 ref.)

DNA topoisomerases as anticancer drug targets. Schneider E, et al. **Adv Pharmacol** 1990;21:149-83 (233 ref.)

Induction of heat shock protein synthesis by prostaglandins with antineoplastic and antiviral activity. Santoro MG, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:867-74 (22 ref.)

DNA intercalating anti-tumour agents. Baguley BC. **Anticancer Drug Des** 1991 Feb;6(1):1-35 (270 ref.)

Phenothiazines and calmodulin (review). Motohashi N. **Anticancer Res** 1991 May-Jun;11(3):1125-64 (208 ref.)

Metal complexes of ruthenium: a potential class of selective anticancer drugs. Sava G, et al. **Anticancer Res** 1991 May-Jun;11(3):1103-7 (28 ref.)

General mechanisms of carcinogenesis and anticarcinogenesis. Voiculetz N, et al. **Arch Roum Pathol Exp Microbiol** 1990 Apr-Jun; 49(2):105-17 (50 ref.)

Drug-target interactions: only the first step in the commitment to a programmed cell death? Dive C, et al. **Br J Cancer** 1991 Jul;64(1):192-6 (78 ref.)

Drug resistance. Hochhauser D, et al. **Br Med Bull** 1991 Jan;47(1):178-96 (44 ref.)

Nuclear matrix targets for anticancer agents. Fernandes DJ, et al. **Cancer Cells** 1991 Apr;3(4):134-40 (54 ref.)

Alkylating agents. Connors TA. **Cancer Chemother Biol Response Modif** 1990;11:29-44 (111 ref.)

Multidrug resistance. Moscow JA, et al. **Cancer Chemother Biol Response Modif** 1990;11:97-114 (100 ref.)

Mitomycin C. Verweij J, et al. **Cancer Chemother Biol Response Modif** 1990;11:67-73 (38 ref.)

Glutathione S-transferases: role in alkylating agent resistance and possible target for modulation chemotherapy--a review. Waxman DJ. **Cancer Res** 1990 Oct 15; 50(20):6449-54 (78 ref.)

Mechanisms of multidrug resistance in human tumor cells. The roles of P-glycoprotein, DNA topoisomerase II, and other factors. Beck WT. **Cancer Treat Rev** 1990 Dec;17 Suppl A:11-20 (70 ref.)

Morphologic alterations in drug sensitive vs. drug resistant cells due to cytostatic application. Dietel M, et al. **Cancer Treat Rev** 1990 Dec;17 Suppl A:3-10 (46 ref.)

Modulation of antitumour drug resistance: experimental laboratory data and results of clinical evaluation. Hill BT. **Cancer Treat Rev** 1990 Sep;17(2-3):197-202 (24 ref.)

Reversal of multidrug resistance. Kaye SB. **Cancer Treat Rev** 1990 Dec;17 Suppl A:37-43 (25 ref.)

New EORTC compounds. Lelieveld P, et al. **Cancer Treat Rev** 1990 Sep;17(2-3):119-25 (25 ref.)

Invasion and metastasis control: implications for increased therapeutic index of antitumor drugs. Mareel M, et al. **Cancer Treat Rev** 1990 Sep;17(2-3):335-8 (14 ref.)

The role of glutathione in drug resistance. Ozols RF, et al. **Cancer Treat Rev** 1990 Dec;17 Suppl A:45-50 (23 ref.)

Development of drug derivatives without cross-resistance to parent compounds. Scheulen ME. **Cancer Treat Rev** 1990 Dec;17 Suppl A:67-79 (39 ref.)

Modulation of cytotoxic drug activity by dipyridamole. Schmoll HJ, et al. **Cancer Treat Rev** 1990 Dec;17 Suppl A:57-65 (45 ref.)

Radiation and chemotherapy sensitizers and protectors. Coleman CN, et al. **Crit Rev Oncol Hematol** 1990; 10(3):225-52 (270 ref.)

Drug resistance. Rodenhuis S. **Curr Opin Oncol** 1989 Dec; 1(2):236-40 (34 ref.)

New drugs and novel agents. Workman P. **Curr Opin Oncol** 1989 Dec;1(2):213-21 (71 ref.)

Endocrine pharmacology of antiestrogens as antitumor agents. Jordan VC, et al. **Endocr Rev** 1990 Nov; 11(4):578-610 (454 ref.)

The cell membrane as a target for cancer chemotherapy. Grunicke HH. **Eur J Cancer** 1991;27(3):281-4 (64 ref.)

Molecular manipulations of the multidrug transporter: a new role for transgenic mice. Pastan I, et al. **FASEB J** 1991 Aug;5(11):2523-8 (28 ref.)

Oncogenic proteins new targets for chemotherapeutic agents against cancer. Rey I, et al. **Fundam Clin Pharmacol** 1990; 4(4):401-22 (120 ref.)

Multidrug resistance: focus in hematology. Carulli G, et al. **Haematologica** 1990 Jul-Aug;75(4):363-74 (97 ref.)

Pharmacology and drug resistance in childhood lymphoblastic leukemia. Adamson PC, et al. **Hematol Oncol Clin North Am** 1990 Oct;4(5):871-94 (101 ref.)

The potential of cyclosporin A as an anti-tumour agent. McLachlan G, et al. **Int J Immunopharmacol** 1990; 12(5):469-79 (72 ref.)

Genetic basis of multidrug resistance of tumor cells. Kane SE, et al. **J Bioenerg Biomembr** 1990 Aug;22(4):593-618 (187 ref.)

Quantitative structure-activity relationships (QSAR) and molecular modelling in cancer research [editorial] Kubinyi H. **J Cancer Res Clin Oncol** 1990;116(6):529-37 (83 ref.)

Highly selective inhibition of estrogen biosynthesis by CGS 20267, a new non-steroidal aromatase inhibitor. Bhatnagar AS, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20; 37(6):1021-7 (19 ref.)

Aromatase and other inhibitors in breast and prostatic cancer. Brodie AM, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1043-8 (38 ref.)

Stimulatory and inhibitory growth factors and breast cancer. Dickson RB. **J Steroid Biochem Mol Biol** 1990 Dec 20; 37(6):795-803 (21 ref.)

Anti-steroidal and anti-growth factor activities of anti-estrogens. Freiss G, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):777-81 (40 ref.)

Cholecystokinin and gastrointestinal cancer. Lamers CB, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1069-72 (25 ref.)

Vitamin D: a modulator of cell proliferation and differentiation. Pols HA, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):873-6 (31 ref.)

Androgen-primed chemotherapy-experimental confirmation of efficacy. Santen RJ, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1115-20 (13 ref.)

Antitumor effects of analogs of LH-RH and somatostatin: experimental and clinical studies. Schally AV, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1061-7 (35 ref.)

Antitumor activity and mechanism of action of different antiprogestins in experimental breast cancer models. Schneider MR, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):783-7 (9 ref.)

Towards more specific therapy for leukemia: terminal transferase as a therapeutic target. Bulger K, et al. **Leuk Res** 1991;15(5):285-8 (12 ref.)

The role of topoisomerase II in drug resistance. De Isabella P, et al. **Life Sci** 1991;48(23):2195-205 (95 ref.)

Detoxification mechanisms and tumor cell resistance to anticancer drugs. Kuzmich S, et al. **Med Res Rev** 1991 Mar;11(2):185-217 (161 ref.)

Role of the glutathione-glutathione peroxidase cycle in the cytotoxicity of the anticancer quinones. Doroshow JH, et al. **Pharmacol Ther** 1990;47(3):359-70 (146 ref.)

Tubulin sulfhydryl groups as probes and targets for antimitotic and antimicrotubule agents. Luduena RF, et al. **Pharmacol Ther** 1991;49(1-2):133-52 (110 ref.)

Enhancement of anticancer agent activity by selective inhibition of rapidly proliferating tissues of the host. Stolfi RL, et al. **Pharmacol Ther** 1991;49(1-2):43-54 (20 ref.)

Interaction of cancer chemotherapy agents with the mononuclear phagocyte system. Mantovani A, et al. **Prog Drug Res** 1990;35:487-519 (213 ref.)

Computer-assisted structure--antileukemic activity analysis of purines and their aza and deaza analogs. Narayanan VL, et al. **Prog Drug Res** 1990;34:319-41 (64 ref.)

Biochemical basis of resistance to chemotherapy. Masters JR. **Radiother Oncol** 1990 Dec;19(4):297-305 (48 ref.)

Lonidamine: an overview. Silvestrini B. **Semin Oncol** 1991 Apr;18(2 Suppl 4):2-6 (29 ref.)

The receptor for human urokinase: a potential target for anti-invasive and anti-metastatic therapy. Masucci MT, et al. **Thromb Res Suppl** 1990;11:49-60 (50 ref.)

Signalling targets for anticancer drug development. Powis G. **Trends Pharmacol Sci** 1991 May;12(5):188-94 (34 ref.)

Mitogenesis and the search for new targets for anticancer drug design. Reeve JG. **Tumour Biol** 1991;12(1):1-8 (40 ref.)

[Biogenic cytostatics] Franz G. **Pharm Unserer Zeit** 1990 Nov;19(6):257-62 (12 ref.) **(Ger)**

[Regulation of the multidrug resistance (MDR)1 gene expression] Kohno K, et al. **Gan To Kagaku Ryoho** 1990 Oct;17(10):1975-81 (21 ref.) (Eng. Abstr.) **(Jpn)**

[Antineoplastic agents as inducers of tumor cell differentiation] Belousova AK. **Vopr Med Khim** 1991 Mar-Apr;37(2):10-4 (48 ref.) **(Rus)**

THERAPEUTIC USE

Genetic mechanisms of drug resistance. A review. Borst P. **Acta Oncol** 1991;30(1):87-105 (145 ref.)

Adjuvant chemotherapy. A discussion of some basic principles. Ringborg U. **Acta Oncol** 1991;30(2):251-3 (9 ref.)

Hyperthermia and chemotherapy. Galen WP. **Adv Exp Med Biol** 1990;267:209-16 (19 ref.)

Multidrug resistance. Fojo AT. **Adv Intern Med** 1991; 36:195-218 (148 ref.)

Role of adjuvant therapy in colorectal cancer. Hesketh PJ, et al. **Adv Intern Med** 1991;36:219-47 (115 ref.)

Multidrug resistance and chemosensitization: therapeutic implications for cancer chemotherapy. Georges E, et al. **Adv Pharmacol** 1990;21:185-220 (157 ref.)

Current status of adjuvant therapy of early breast cancer. Ziegler LD, et al. **Am J Clin Oncol** 1991 Apr;14(2):101-10 (119 ref.)

Cancer chemotherapy. Secchi GC. **Ann Ital Med Int** 1990 Jul-Sep;5(3 Pt 3):288-95 (9 ref.)

Antitumor enzyme: polyethylene glycol-modified asparaginase. Wada H, et al. **Ann N Y Acad Sci** 1990; 613:95-108 (17 ref.)

Chemotherapy for medulloblastoma/primitive neuroectodermal tumors of the posterior fossa. Packer RJ. **Ann Neurol** 1990 Dec;28(6):823-8 (28 ref.)

Medical treatment of high grade malignant gliomas in adults: an overview. Brandes A, et al. **Anticancer Res** 1991 Mar-Apr;11(2):719-27 (144 ref.)

New drugs in the treatment of acute and chronic leukemia with some emphasis on m-AMSA. Jehn U, et al. **Anticancer Res** 1991 Mar-Apr;11(2):705-11 (67 ref.)

Chemotherapy in advanced bladder cancer: a review with emphasis on future studies. Splinter TA. **Arch Esp Urol** 1990;43 Suppl 2:215-7 (21 ref.)

Do otolaryngologist-head and neck surgeons and/or chemotherapy have a role in the treatment of head and neck cancer? Schuller DE. **Arch Otolaryngol Head Neck Surg** 1991 May; 117(5):498-501 (20 ref.)

Adjuvant therapy of colorectal cancer: an overview. Wirth A, et al. **Aust N Z J Surg** 1991 Jan;61(1):13-22 (59 ref.)

Chemotherapy of non-Hodgkin's lymphomas. Cavalli F. **Baillieres Clin Haematol** 1991 Jan;4(1):157-79 (72 ref.)

Chemotherapy of multiple myeloma. Durie BG. **Baillieres Clin Haematol** 1991 Jan;4(1):181-95 (43 ref.)

Ex vivo and conditioning chemotherapy for autologous bone marrow transplantation. Hervé P, et al. **Baillieres Clin Haematol** 1991 Jan;4(1):223-46 (97 ref.)

Chemotherapy of chronic haematological malignancies. Ho AD. **Baillieres Clin Haematol** 1991 Jan;4(1):197-221 (119 ref.)

Chemotherapy of acute myelogenous leukaemia. Marie JP, et al. **Baillieres Clin Haematol** 1991 Jan;4(1):97-113 (118 ref.)

Determinants of response and prediction of response to chemotherapy in acute myelogenous leukemia. Preisler HD. **Baillieres Clin Haematol** 1991 Jan;4(1):69-96 (75 ref.)

Chemotherapy of adult acute lymphoblastic leukaemia. Stryckmans P, et al. **Baillieres Clin Haematol** 1991 Jan; 4(1):115-30 (69 ref.)

Potential therapeutic exploitation of the pulmonary polyamine uptake system. Cohen GM, et al. **Biochem Soc Trans** 1990 Oct;18(5):743-5 (28 ref.)

Clotting factors in tumour tissue: implications for cancer therapy. Zacharski LR, et al. **Blood Coagul Fibrinolysis** 1990 Mar-Apr;1(1):71-8 (79 ref.)

Are new conditioning regimens for transplants in acute myelogenous leukemia better? Aurer I, et al. **Bone Marrow Transplant** 1991 Apr;7(4):255-61 (47 ref.)

Phase II trials with toremifene in advanced breast cancer: a review. Valavaara R. **Breast Cancer Res Treat** 1990 Aug; 16 Suppl:S31-5 (17 ref.)

Current strategies in the management of locoregional and metastatic gastric carcinoma. Ajani JA, et al. **Cancer** 1991 Jan 1;67(1 Suppl):260-5 (35 ref.)

New anticancer agents. Brown TD, et al. **Cancer Chemother Biol Response Modif** 1990;11:115-41 (141 ref.)

Update on trimetrexate, a folate antagonist with antineoplastic and antiprotozoal properties. Lin JT, et al. **Cancer Invest** 1991;9(2):159-72 (135 ref.)

Adjuvant chemotherapy for soft tissue sarcomas. Bramwell VH. **Cancer Treat Res** 1989;44:93-102 (21 ref.)

Systemic chemotherapy in the management of bladder cancer. Nanus DM, et al. **Cancer Treat Res** 1989;46:143-58 (68 ref.)

Combined chemotherapy and radiation for unresectable head and neck cancer. Taylor SG 4th. **Cancer Treat Res** 1990; 52:195-208 (42 ref.)

Systemic therapy with single agents for advanced or recurrent endometrial carcinoma. Thigpen T. **Cancer Treat Res** 1989;49:93-106 (51 ref.)

Chemotherapy in advanced soft tissue sarcomas. Verweij J, et al. **Cancer Treat Res** 1989;44:75-92 (76 ref.)

Developments in surgical oncology: induction (neoadjuvant) chemotherapy--the state of the art. Stephens FO. **Clin Oncol (R Coll Radiol)** 1990 May;2(3):168-72 (21 ref.)

Mosaicism induced by gene insertion as a means of improving chemotherapeutic selectivity. Moolten FL. **Crit Rev Immunol** 1990;10(3):203-33 (213 ref.)

New hormonal approaches to the treatment of breast cancer. Hamm JT, et al. **Crit Rev Oncol Hematol** 1991;11(1):29-41 (76 ref.)

Multimodality therapy in advanced cervical carcinoma. Whitney CW. **Curr Opin Obstet Gynecol** 1990 Feb; 2(1):85-91 (12 ref.)

Chemotherapy, hormonal therapy, and steroid receptors in gynecologic cancer. Blackledge G, et al. **Curr Opin Oncol** 1990 Oct;2(5):881-4 (10 ref.)

Adjuvant therapy for stages I and II breast cancer. Henderson IC. **Curr Opin Oncol** 1989 Dec;1(2):308–17 (22 ref.)
Chemotherapy and endocrine therapy in metastatic disease. Pritchard KI. **Curr Opin Oncol** 1989 Dec;1(2):324–32 (23 ref.)
Melanomas and other skin neoplasms. Chemotherapy and new treatments. Rümke P. **Curr Opin Oncol** 1990 Apr; 2(2):397–406 (42 ref.)
Novel chemotherapeutic agents in early clinical development. Stagg MP, et al. **Curr Opin Oncol** 1990 Dec; 2(6):1119–25 (16 ref.)
Chemotherapy for gynecologic tumors. Thigpen JT. **Curr Opin Oncol** 1989 Oct;1(1):105–11 (22 ref.)
Medical management of early-stage breast cancer. Bookman MA, et al. **Curr Probl Cancer** 1991 Jul–Aug;15(4):157–232 (275 ref.)
Fludarabine: a review. Hood MA, et al. **DICP** 1991 May; 25(5):518–24 (62 ref.)
Specificity of the phase I trial for cytotoxic drugs in oncology. Armand JP, et al. **Fundam Clin Pharmacol** 1990; 4 Suppl 2:197s–204s (9 ref.)
Concurrent chemotherapy and thoracic irradiation in non-small cell lung cancer. Bonomi P, et al. **Hematol Oncol Clin North Am** 1990 Dec;4(6):1143–58 (47 ref.)
New purine analogues for the treatment of chronic B-cell malignancies. Gribbin TE. **Henry Ford Hosp Med J** 1991; 39(2):98–102 (33 ref.)
The multidrug resistance phenotype in human cancer. Cordon-Cardo C, et al. **Important Adv Oncol** 1991;:19–38 (102 ref.)
Chemotherapy for squamous cell carcinomas of the head and neck. A reappraisal. Bier J. **Int J Oral Maxillofac Surg** 1990 Aug;19(4):232–4 (22 ref.)
Colchicine and antineoplastic therapy for the prevention of restenosis after percutaneous coronary interventions. Muller DW, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):126B–131B (49 ref.)
The renewed potential for folate antagonists in contemporary cancer chemotherapy. Berman EM, et al. **J Med Chem** 1991 Feb;34(2):479–85 (58 ref.)
Adjuvant intravesicular pharmacotherapy for superficial bladder cancer. Lum BL, et al. **J Natl Cancer Inst** 1991 May 15;83(10):682–94 (79 ref.)
Chemotherapy for glioblastoma multiforme. Lord J, et al. **J Neurosci Nurs** 1991 Feb;23(1):68–70 (7 ref.)
Increased chemosensitivity of hematopoietic neoplasia in response to growth factors: a review. Ferrero D, et al. **J Nucl Med Allied Sci** 1990 Oct–Dec;34(4 Suppl):179–84 (24 ref.)
Growth factors, endocrine aspects and hormonal treatment in hepatocellular carcinoma--an overview. d'Arville CN, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20; 37(6):1007–12 (58 ref.)
Clinical development of aromatase inhibitors for the treatment of breast and prostate cancer. Dowsett M. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1037–41 (18 ref.)
Somatostatin analogues in the treatment of breast and prostate cancer. Manni A, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1083–7 (19 ref.)
Recent progress in development of aromatase inhibitors. Santen RJ. **J Steroid Biochem Mol Biol** 1990 Dec 20; 37(6):1029–35 (17 ref.)
Therapeutic potential of pure antioestrogens in the treatment of breast cancer. Wakeling AE. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):771–5 (36 ref.)
Doxifluridine in advanced colorectal cancer. Calabresi F, et al. **J Surg Oncol Suppl** 1991;2:124–8 (32 ref.)
Advanced colorectal cancer: impact of chemotherapy on survival. Cortesi E, et al. **J Surg Oncol Suppl** 1991;2:112–5 (22 ref.)
Chemotherapy for patients not benefitting from 5-fluorouracil therapy. Luporini G, et al. **J Surg Oncol Suppl** 1991;2:161–4 (16 ref.)
Present status of research on cancer chemoprevention in Japan. Muto Y, et al. **Jpn J Clin Oncol** 1990 Sep; 20(3):219–24 (21 ref.)
Will more intensive chemotherapy of leukemia increase cures? Gale RP. **Leuk Res** 1991;15(4):185–7 (27 ref.)
Differentiating agents in malignant disease. Bruetman DG, et al. **Med Pediatr Oncol** 1991;19(2):71–83 (162 ref.)
Chemotherapy update. Miaskowski C. **Nurs Clin North Am** 1991 Jun;26(2):331–9 (15 ref.)
Advances in antineoplastic therapy [see comments] Gullatte MM, et al. **Oncol Nurs Forum** 1990 Nov-Dec;17(6):867–76 (30 ref.) Comment in: Oncol Nurs Forum 1991 Apr;18(3):476.
A perspective on dose-intensive therapy with autologous bone marrow transplantation for solid tumors. Ayash LJ, et al. **Oncology (Williston Park)** 1991 Mar;5(3):25–33; discussion 33, 36, 41 (47 ref.)
Recent advances in the treatment of B-cell chronic lymphocytic leukemia [see comments] Cheson BD. **Oncology (Williston Park)** 1990 Sep;4(9):71–8, 83–4; disc. 84, 87–8, 90 pass (78 ref.) Comment in: Oncology (Williston Park) 1991 Feb;5(2):12.
Chemotherapy as part of the initial treatment for nasopharyngeal cancer. Harrison LB, et al. **Oncology (Williston Park)** 1991 Feb;5(2):67–70;discussion 70–1,74,79 passim (19 ref.)
Ether lipids and derivatives as investigational anticancer drugs. A brief review. Berdel WE. **Onkologie** 1990 Aug; 13(4):245–50 (71 ref.)
Rhabdomyosarcoma. From the laboratory to the clinic. Houghton PJ, et al. **Pediatr Clin North Am** 1991 Apr; 38(2):349–64 (45 ref.)
Historical aspects of glutathione and cancer chemotherapy. Mistry P, et al. **Pharmacol Ther** 1991;49(1-2):125–32 (95 ref.)
The role of low-dose PALA in biochemical modulation. O'Dwyer PJ. **Pharmacol Ther** 1990;48(3):371–80 (104 ref.)
Cellular maturation and oncogene expression during drug-induced differentiation in vitro: a brief review. Biedler JL, et al. **Prog Clin Biol Res** 1990;354A:287–312 (70 ref.)
Cyproterone acetate as monotherapy in prospective randomized trials. de Voogt HJ. **Prog Clin Biol Res** 1990; 359:85–91; discussion 105–7 (20 ref.)
Chemotherapy for endocrine resistant cancer of the prostate. Eisenberger MA. **Prog Clin Biol Res** 1990;359:155–64; discussion 177–80 (18 ref.)
Genetic and kinetic factors in the drug resistance of micrometastatic disease. Goldie JH. **Prog Clin Biol Res** 1990;354A:99–107 (14 ref.)
The integration of chemotherapy, radiotherapy and transurethral surgery in bladder-sparing approaches for patients with invasive tumors. Shipley WU, et al. **Prog Clin Biol Res** 1990;353:85–94 (27 ref.)
Criteria of response to neo-adjuvant chemotherapy in the treatment of invasive bladder cancer: a critical assessment. Vogelzang NJ, et al. **Prog Clin Biol Res** 1990;353:225–36 (36 ref.)
Multidrug resistance. Shibata H, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1990 Dec; 37(1-4):27–50 (67 ref.)
The therapy of idiopathic membranous glomerulonephritis. Glassock RJ. **Semin Nephrol** 1991 Mar;11(2):138–47 (56 ref.)
Neobladders: clinical management and considerations for patients receiving chemotherapy. Broderick GA, et al. **Semin Oncol** 1990 Oct;17(5):598–605 (45 ref.)
Radiotherapy plus lonidamine in non-small cell lung cancer. Cionini L. **Semin Oncol** 1991 Apr;18(2 Suppl 4):49–52 (14 ref.)
Old drugs revisited, new drugs, and experimental approaches in ovarian cancer therapy. McGuire WP, et al. **Semin Oncol** 1991 Jun;18(3):255–69 (95 ref.)
Combined modality clinical trials for favorable B-cell neoplasms: lonidamine plus whole body hyperthermia and/or total body irradiation. Robins HI. **Semin Oncol** 1991 Apr;18(2 Suppl 4):23–7 (40 ref.)
Lonidamine in metastatic breast cancer. Rosso R, et al. **Semin Oncol** 1991 Apr;18(2 Suppl 4):62–5 (18 ref.)
Lonidamine in head and neck cancer: an overview. Scarantino CW, et al. **Semin Oncol** 1991 Apr;18(2 Suppl 4):28–32 (20 ref.)
Neoadjuvant chemotherapy for invasive bladder cancer: future directions. Scher HI, et al. **Semin Oncol** 1990 Oct; 17(5):635–8 (35 ref.)
Lonidamine in malignant brain tumors. Schiffer D, et al. **Semin Oncol** 1991 Apr;18(2 Suppl 4):38–41 (41 ref.)
Chemoprevention of human skin cancers. Loescher LJ, et al. **Semin Oncol Nurs** 1991 Feb;7(1):45–52 (54 ref.)
Hormonal therapy before surgical treatment for uterine leiomyomas. Moghissi KS. **Surg Gynecol Obstet** 1991 Jun; 172(6):497–502 (30 ref.)
[Role of chemotherapy in the treatment of brain tumors] Chastagner P, et al. **Pediatrie** 1991;46(1):47–58 (84 ref.) (Eng. Abstr.) **(Fre)**
[Granulo-monocyte growth factors. Their value in pneumonologic oncologic practice] Trédaniel J, et al. **Rev Mal Respir** 1991;8(1):39–44 (21 ref.) (Eng. Abstr.) **(Fre)**
[Chemotherapy of bronchial carcinoma] Wolf M, et al. **Chirurg** 1990 Aug;61(8):571–7 (15 ref.) **(Ger)**
[Systemic therapy of cerebral metastases in breast carcinoma] Kreuser ED, et al. **Dtsch Med Wochenschr** 1991 Aug 2; 116(31–32):1203–7 (45 ref.) **(Ger)**
[Chemo- and immunotherapy of colorectal cancer] Klein HO. **Internist (Berl)** 1991 Jun;32(6):348–53 (56 ref.) **(Ger)**
[Chemotherapy of prostatic carcinoma] Wirth M, et al. **Urologe [A]** 1991 Jan;30(1):17–24 (103 ref.) (Eng. Abstr.) **(Ger)**
[Systemic chemotherapy of urothelial carcinoma] Wolff J, et al. **Urologe [A]** 1991 Jan;30(1):25–32 (60 ref.) (Eng. Abstr.) **(Ger)**
[Current drug therapy of bronchial cancer] Drings P. **Verh Dtsch Ges Inn Med** 1990;96:228–41 (79 ref.) **(Ger)**
[Cytostatic drug therapy in the aged] Wilmanns W. **Verh Dtsch Ges Inn Med** 1990;96:286–94 (16 ref.) **(Ger)**
[Combined therapy of inoperable esophageal cancer] Fink U, et al. **Z Gastroenterol Verh** 1991 Mar;26:209–16 (79 ref.) **(Ger)**
[Cancer chemotherapy today and in the future] Tanneberger S. **Z Gesamte Inn Med** 1990 Dec 1;45(23):693–5 (4 ref.) (Eng. Abstr.) **(Ger)**
[Recent advances in the understanding and management of acute myeloid leukemia] Lishner M, et al. **Harefuah** 1990 Dec 2;119(11):375–8 (45 ref.) **(Heb)**
[Zoladex in the treatment of mammary carcinoma] Sismondi P, et al. **Drugs Exp Clin Res** 1990;16 Suppl:47–58 (56 ref.) **(Ita)**
[Cancer therapy by using bispecific antibody] Azuma A, et al. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1535–42 (44 ref.) (Eng. Abstr.) **(Jpn)**
[Therapeutic failure of antineoplastic agents. Extracellular and cellular causes] Hofsli E. **Tidsskr Nor Laegeforen** 1991 Jan 10;111(1):37–40 (21 ref.) (Eng. Abstr.) **(Nor)**
[A consensus statement: treatment of cancer with antineoplastic agents] **Lakartidningen** 1990 Dec 5; 87(49):4228–31 (0 ref.) **(Swe)**

TOXICITY

Renal toxicity of antineoplastic agents. Borch RF, et al. **Toxicol Lett** 1990 Sep;53(1-2):93–6 (11 ref.)
[Treatment of malignant neoplasms in pregnancy. II] Robak T, et al. **Przegl Lek** 1990;47(8):603–6 (23 ref.) **(Pol)**

ANTINEOPLASTIC AGENTS, COMBINED

ADMINISTRATION & DOSAGE

The role of dose intensity in determining outcome in intermediate-grade non-Hodgkin's lymphoma. Meyer RM, et al. **J Clin Oncol** 1991 Feb;9(2):339–47 (42 ref.)
Dose intensity studies in breast cancer--autologous bone marrow transplantation. Hortobagyi GN, et al. **Prog Clin Biol Res** 1990;354B:195–209 (17 ref.)
[Therapy of superficial bladder carcinoma] Rübben H, et al. **Urologe [A]** 1991 Jan;30(1):2–9 (70 ref.) (Eng. Abstr.) **(Ger)**
[Dose intensity in cancer chemotherapy in gastric cancer] Kumai K, et al. **Gan To Kagaku Ryoho** 1990 Oct; 17(10):2013–7 (25 ref.) (Eng. Abstr.) **(Jpn)**
[Studies on postoperative arterial infusion chemotherapy using implanted reservoir for hepatocellular carcinoma] Nagabuchi E, et al. **Gan To Kagaku Ryoho** 1991 Aug; 18(11):1837–41 (8 ref.) (Eng. Abstr.) **(Jpn)**
[Dose intensity chemotherapy in lung cancer] Takada M, et al. **Gan To Kagaku Ryoho** 1990 Oct;17(10):2005–12 (29 ref.) (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Long-term toxicity of early stages of Hodgkin's disease therapy: the EORTC experience. EORTC Lymphoma Cooperative Group. Cosset JM, et al. **Ann Oncol** 1991 Feb; 2 Suppl 2:77–82 (28 ref.)
Effects of chemotherapy on fertility. Barton C, et al. **Blood Rev** 1990 Sep;4(3):187–95 (127 ref.)
Secondary myelodysplastic syndrome complicating therapy for osteogenic sarcoma. Pappo A, et al. **Cancer** 1991 Sep 15;68(6):1373–5 (24 ref.)
Epipodophyllotoxin-related leukemia. Identification of a new subset of secondary leukemia. Whitlock JA, et al. **Cancer** 1991 Aug 1;68(3):600–4 (45 ref.)
Implication of prior treatment with drug combinations including inhibitors of topoisomerase II in therapy-related monocytic leukemia with a 9;11 translocation. Albain KS, et al. **Genes Chromosom Cancer** 1990 May;2(1):53–8 (42 ref.)
Acute fatal myeloencephalopathy after combined intrathecal chemotherapy in a child with acute lymphoblastic leukemia. von der Weid NX, et al. **Med Pediatr Oncol** 1991; 19(3):192–8 (33 ref.)
Cytotoxic chemotherapy-induced second primary neoplasms: clinical aspects. Petru E, et al. **Neoplasma** 1991;38(2):147–55 (41 ref.)
Transverse striate leukonychia associated with cancer chemotherapy. Hogan PA, et al. **Pediatr Dermatol** 1991 Mar;8(1):67–8 (22 ref.)
Use of granulocyte-macrophage colony stimulating factor (GM-CSF) to support intensive chemotherapy. Klingemann HG. **Prog Clin Biol Res** 1990;354B:211–8 (14 ref.)
[Acute myocardial infarct following chemotherapy for testicular carcinoma: on the coronary toxicity of cytostatic agents] Borek G, et al. **Schweiz Med Wochenschr** 1991 Mar 16;121(11):385–9 (28 ref.) (Eng. Abstr.) **(Ger)**
[Effects of adjuvant chemotherapy of breast cancer on gonadal function] Müller H. **Zentralbl Gynakol** 1990; 112(13):795–801 (31 ref.) (Eng. Abstr.) **(Ger)**
[Nausea and vomiting during treatment with cytostatics] Kaasa S, et al. **Tidsskr Nor Laegeforen** 1991 Mar 20; 111(8):941–4 (14 ref.) (Eng. Abstr.) **(Nor)**
[Control of vomiting induced by antineoplastic chemotherapy in childhood] Madero López L, et al. **An Esp Pediatr** 1991 Mar;34(3):207–10 (25 ref.) (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

[Multidrug resistance of neoplastic cells--facts and hypotheses] Grzelakowska-Sztabert B. **Postepy Biochem** 1989;35(4):513–41 (276 ref.) **(Pol)**
[Modulators of multidrug resistance in neoplastic cells] Grzelakowska-Sztabert B. **Postepy Biochem** 1989; 35(4):543–61 (128 ref.) **(Pol)**

PHARMACOLOGY

Neuroblastoma--an overview of laboratory studies aimed at

inducing tumor regression by initiation of differentiation or administration of antitumor drugs. Hill BT. **Pediatr Hematol Oncol** 1986;3(1):73–88 (46 ref.)

THERAPEUTIC USE

The role of adjuvant chemotherapy in the treatment of advanced head and neck cancer. Hill BT, et al. **Acta Oncol** 1990;29(6):695–703 (49 ref.)

Regulation of de novo and salvage pathways in chemotherapy. Weber G, et al. **Adv Enzyme Regul** 1991; 31:45–67 (37 ref.)

Role of adjuvant therapy in colorectal cancer. Hesketh PJ, et al. **Adv Intern Med** 1991;36:219–47 (115 ref.)

Adjuvant therapy in early breast cancer. Chittoor SR, et al. **Am Fam Physician** 1991 Aug;44(2):453–62 (33 ref.)

Combination chemotherapy and radiotherapy for small-cell carcinoma of the esophagus. A case report of long-term survival and review of the literature. Hussein AM, et al. **Am J Clin Oncol** 1990 Oct;13(5):369–73 (33 ref.)

Chemotherapy of metastatic Merkel cell carcinoma: case report and review of the literature. Sharma D, et al. **Am J Clin Oncol** 1991 Apr;14(2):166–9 (16 ref.)

Role of systemic therapy in advanced non-small-cell lung cancer. Vokes EE, et al. **Am J Med** 1990 Dec;89(6):777–86 (89 ref.)

Therapy for childhood non-Hodgkin's lymphomas, nonlymphoblastic type. Review of recent studies and current recommendations. Nachman J. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):359–66 (13 ref.)

The place of third-generation regimens in the treatment of adult aggressive non-Hodgkin's lymphoma. Armitage JO. **Ann Oncol** 1991 Jan;2 Suppl 1:37–41 (40 ref.)

Primary and salvage chemotherapy in advanced Hodgkin's disease: the Milan Cancer Institute experience. Bonadonna G, et al. **Ann Oncol** 1991 Jan;2 Suppl 1:9–16 (27 ref.)

The influence of information on drug resistance on protocol design. DeVita VT Jr. **Ann Oncol** 1991 Feb;2(2):93–106 (90 ref.)

Long-term follow-up of ProMACE-CytaBOM in non-Hodgkin's lymphomas. Fisher RI, et al. **Ann Oncol** 1991 Jan;2 Suppl 1:33–5 (11 ref.)

Adjuvant treatment of colon cancer: where to go from here? Wils J, et al. **Ann Oncol** 1990 Sep;1(5):329–31 (14 ref.)

Systemic chemotherapy in the management of advanced bladder cancer. Hall RR. **Arch Esp Urol** 1990;43 Suppl 2:193–6 (12 ref.)

Chemotherapy for invasive bladder cancer: facts and fallacies. Raghavan D, et al. **Arch Esp Urol** 1990;43 Suppl 2:209–14 (52 ref.)

Systemic therapy in metastatic colorectal cancer. Hansen RM. **Arch Intern Med** 1990 Nov;150(11):2265–9 (66 ref.)

Adult embryonal rhabdomyosarcoma of the vagina complicating pregnancy: a case report and review of the literature. Singhal S, et al. **Asia Oceania J Obstet Gynaecol** 1990 Dec;16(4):301–6 (25 ref.)

Chemotherapy of Hodgkin's disease. Oza AM, et al. **Baillieres Clin Haematol** 1991 Jan;4(1):131–56 (129 ref.)

Chemotherapy for metastatic soft tissue sarcomas--another full circle? [editorial] Bramwell VH. **Br J Cancer** 1991 Jul; 64(1):7–9 (42 ref.)

The role of chemotherapy in the management of primary breast cancer. Dorr FA, et al. **CA Cancer J Clin** 1991 Jul-Aug;41(4):231–41 (30 ref.)

The treatment of metastatic breast cancer. Greenberg EJ. **CA Cancer J Clin** 1991 Jul-Aug;41(4):242–56 (85 ref.)

Recent advances in etoposide therapy for non-small\cell lung cancer. Bonomi P. **Cancer** 1991 Jan 1;67(1 Suppl):254–9 (24 ref.)

Successful treatment of metastatic thymic carcinoma with cisplatin, vinblastine, bleomycin, and etoposide chemotherapy. Carlson RW, et al. **Cancer** 1990 Nov 15; 66(10):2092–4 (24 ref.)

Stage I small cell carcinoma of the vulva treated with vulvectomy, lymphadenectomy, and adjuvant chemotherapy. Cliby W, et al. **Cancer** 1991 May 1; 67(9):2415–7 (22 ref.)

The role of chemotherapy for node-negative breast cancer. Cooper MR. **Cancer** 1991 Mar 15;67(6 Suppl):1744–7 (15 ref.)

Etoposide in the management of non-small cell lung cancer. Ruckdeschel JC. **Cancer** 1991 Jan 1;67(1 Suppl):250–3 (43 ref.)

Chemotherapy of metastatic Merkel cell cancer. Crown J, et al. **Cancer Invest** 1991;9(2):129–32 (18 ref.)

Adjuvant chemotherapy for soft tissue sarcomas. Bramwell VH. **Cancer Treat Res** 1989;44:93–102 (21 ref.)

Multiagent chemotherapy of endometrial carcinoma. Brenner DE. **Cancer Treat Res** 1989;49:107–16 (29 ref.)

The role of induction chemotherapy for organ preservation in laryngeal carcinoma. Dimery IW, et al. **Cancer Treat Res** 1990;52:209–22 (63 ref.)

Systemic chemotherapy in the management of bladder cancer. Nanus DM, et al. **Cancer Treat Res** 1989;46:143–58 (68 ref.)

Chemotherapy in advanced soft tissue sarcomas. Verweij J, et al. **Cancer Treat Res** 1989;44:75–92 (76 ref.)

Second-line chemotherapy in small cell lung cancer. Andersen M, et al. **Cancer Treat Rev** 1990 Dec;17(4):427–36 (43 ref.)

Hexamethylmelamine (altretamine) in small cell lung cancer (SCLC). Comis RL. **Cancer Treat Rev** 1991 Mar;18 Suppl A:85–90 (22 ref.)

Hexamethylmelamine use in the treatment of metastatic breast cancer. Henderson IC, et al. **Cancer Treat Rev** 1991 Mar;18 Suppl A:91–8 (24 ref.)

Hexamethylmelamine: activity in lymphoma and other tumors. Macdonald JS. **Cancer Treat Rev** 1991 Mar;18 Suppl A:99–102 (8 ref.)

Ovarian cancer: new clinical approaches. Ozols RF. **Cancer Treat Rev** 1991 Mar;18 Suppl A:77–83 (24 ref.)

The role of hexamethylmelamine in the management of ovarian cancer. Schein PS, et al. **Cancer Treat Rev** 1991 Mar;18 Suppl A:67–75 (22 ref.)

Hexamethylmelamine (altretamine): early National Cancer Institute trials. Young RC. **Cancer Treat Rev** 1991 Mar;18 Suppl A:31–5 (5 ref.)

Experience with multiagent chemotherapy for osteosarcoma. Improved outcome. Goorin AM, et al. **Clin Orthop** 1991 Sep;(270):22–8 (22 ref.)

Current management, local management, and survival statistics of high-grade osteosarcoma. Experience in Japan. Ogihara Y, et al. **Clin Orthop** 1991 Sep;(270):72–8 (21 ref.)

Chemotherapy for children with aggressive fibromatosis and Langerhans' cell histiocytosis. Raney RB Jr. **Clin Orthop** 1991 Jan;(262):58–63 (39 ref.)

IIB osteosarcoma. Current management, local control, and survival statistics--The Netherlands. Veth RP. **Clin Orthop** 1991 Sep;(270):67–71 (38 ref.)

Local control and survival from the Cooperative Osteosarcoma Study Group studies of the German Society of Pediatric Oncology and the Vienna Bone Tumor Registry. Winkler K, et al. **Clin Orthop** 1991 Sep; (270):79–86 (28 ref.)

Adjuvant therapy for patients with colon and rectum cancer. **Consens Statement** 1990 Apr 16–18;8(4):1–25 (0 ref.)

Gestational trophoblastic neoplasia. Soper JT. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):92–7 (12 ref.)

Chemotherapy for non-Hodgkin's lymphoma. Brusamolino E. **Curr Opin Oncol** 1989 Oct;1(1):32–41 (45 ref.)

Recent issues in chemotherapy for Hodgkin's disease. Canellos GP. **Curr Opin Oncol** 1989 Oct;1(1):29–31 (10 ref.)

Adjuvant therapy in breast cancer. Dorr A. **Curr Opin Oncol** 1990 Dec;2(6):1049–52 (10 ref.)

Therapy for acute myeloid leukemia and acute lymphoblastic leukemia in adults. Geller RB, et al. **Curr Opin Oncol** 1991 Feb;3(1):30–8 (65 ref.)

Therapy for acute leukemias in children. Kalwinsky DK. **Curr Opin Oncol** 1991 Feb;3(1):39–43 (30 ref.)

Chemotherapy and hormonal therapy in stage III disease; inflammatory breast cancer. Ragaz J. **Curr Opin Oncol** 1990 Dec;2(6):1068–87 (53 ref.)

Chemotherapy for malignant brain tumors. Yung WK. **Curr Opin Oncol** 1990 Aug;2(4):673–8 (28 ref.)

Altretamine. Hansen LA, et al. **DICP** 1991 Feb;25(2):146–52 (51 ref.)

Neoadjuvant and adjuvant therapy for invasive bladder tumors. Dirix LY, et al. **Eur J Cancer** 1991;27(3):326–30 (32 ref.)

Chemotherapy of small cell lung cancer. Hansen HH, et al. **Eur J Cancer** 1991;27(3):342–9 (54 ref.)

Modern chemotherapeutic regimens in the management of aggressive non-Hodgkin lymphoma: can they be improved? Inwards DJ, et al. **Eur J Cancer** 1991;27(4):510–3 (31 ref.)

Role of high-dose chemotherapy and autologous bone marrow transplantation in the treatment of lymphoma. Philip T, et al. **Eur J Cancer** 1991;27(3):320–2 (7 ref.)

Recurrent ovarian granulosa cell tumor: role of combination chemotherapy with report of a long-term response to a cyclophosphamide, doxorubicin and cisplatin regimen. Muntz HG, et al. **Eur J Gynaecol Oncol** 1990;11(4):263–8 (21 ref.)

Perspectives in chemotherapy of pancreatic cancer. Klapdor R. **Eur J Surg Oncol** 1991 Apr;17(2):153–66 (117 ref.)

New approaches to the evaluation of the metastatic ability of renal cancer and new approaches to chemotherapy. Isaacs WB, et al. **Eur Urol** 1990;18 Suppl 2:33–5 (13 ref.)

Treatment of advanced epithelial ovarian carcinoma in pregnancy with cisplatin-based chemotherapy. King LA, et al. **Gynecol Oncol** 1991 Apr;41(1):78–80 (16 ref.)

Concurrent chemoradiation in advanced cervical cancer. Thomas G, et al. **Gynecol Oncol** 1990 Sep;38(3):446–51 (11 ref.)

Induction intra-arterial cisplatin and bleomycin in head and neck cancer. Frustaci S, et al. **Head Neck** 1991 Jul-Aug; 13(4):291–7 (49 ref.)

Failure of mithramycin to control the myeloid blast phase of chronic granulocytic leukemia: a report on nine patients and review of the literature. Johnson PR, et al. **Hematol Oncol** 1991 Jan-Feb;9(1):9–15 (17 ref.)

Chemotherapy for stage IV non-small cell lung cancer. Bitran JD, et al. **Hematol Oncol Clin North Am** 1990 Dec; 4(6):1159–68 (49 ref.)

Randomized trials of induction chemotherapy. A critical review. Forastiere AA. **Hematol Oncol Clin North Am** 1991 Aug;5(4):725–36 (38 ref.)

Primary treatment of childhood acute lymphoblastic leukemia of non-T cell lineage (including infants). Gaynon PS. **Hematol Oncol Clin North Am** 1990 Oct;4(5):915–36 (119 ref.)

Chemotherapy for recurrent and metastatic head and neck cancer. Pinto HA, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):667–86 (150 ref.)

The Wayne State University experience with adjuvant chemotherapy of head and neck cancer. al-Sarraf M, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):687–700 (45 ref.)

Organ preservation in multimodality therapy of head and neck cancer. Urba S, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):713–24 (42 ref.)

Keynote address: multidrug resistance: a pleiotropic response to cytotoxic drugs. Fairchild CR, et al. **Int J Radiat Oncol Biol Phys** 1991 Feb;20(2):361–7 (79 ref.)

Chemotherapy dose intensity correlates strongly with response, median survival, and median progression-free survival in metastatic neuroblastoma [see comments] Cheung NV, et al. **J Clin Oncol** 1991 Jun;9(6):1050–8 (72 ref.) Comment in: J Clin Oncol 1991 Jun;9(6):902–4.

Dose-intensity meta-analysis of chemotherapy regimens in small-cell carcinoma of the lung. Klasa RJ, et al. **J Clin Oncol** 1991 Mar;9(3):499–508 (81 ref.)

Levamisole as an adjuvant in cancer treatment. Janssen PA. **J Clin Pharmacol** 1991 May;31(5):396–400 (49 ref.)

Chemotherapeutic treatment of extensive optic pathway tumors in infants. Kretschmar CS, et al. **J Neurooncol** 1991 Jun;10(3):263–70 (41 ref.)

Clinical trials: bringing research to the bedside. Arvay CA. **J Neurosci Nurs** 1991 Feb;23(1):64–7 (9 ref.)

Current chemotherapy of head and neck cancer. Amrein P. **J Oral Maxillofac Surg** 1991 Aug;49(8):864–70 (59 ref.)

Growth factor-receptor pathway interfering treatment by somatostatin analogs and suramin: preclinical and clinical studies. Klijn JG, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1089–95 (37 ref.)

Hormonal treatment of endometrial carcinoma: an overview and new development in biology. Satyaswaroop PG, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):997–1001 (10 ref.)

Advanced colorectal cancer: impact of chemotherapy on survival. Cortesi E, et al. **J Surg Oncol Suppl** 1991;2:112–5 (22 ref.)

Chemotherapy for patients not benefitting from 5-fluorouracil therapy. Luporini G, et al. **J Surg Oncol Suppl** 1991;2:161–4 (16 ref.)

Sequential methotrexate/5-fluorouracil in advanced colorectal cancer treatment. Maiello E, et al. **J Surg Oncol Suppl** 1991;2:129–33 (40 ref.)

Modulation of fluoropyrimidines by leucovorin: rationale and status. Rustum YM. **J Surg Oncol Suppl** 1991;2:116–23 (38 ref.)

Neoadjuvant chemotherapy in invasive bladder cancer: the evolving role of surgery. Herr HW, et al. **J Urol** 1990 Nov; 144(5):1083–8 (17 ref.)

Rhabdomyosarcoma of the larynx in children: a series of five patients treated in the Institut Gustave Roussy (Villejuif, France). Kato MA, et al. **Med Pediatr Oncol** 1991; 19(2):110–4 (19 ref.)

Rationales for combining chemotherapy and biotherapy in the treatment of cancer. Dillman RO. **Mol Biother** 1990 Dec;2(4):201–7 (67 ref.)

Adjuvant treatment of node-positive colon carcinoma with levamisole and 5-fluorouracil. Grem JL. **Oncology (Williston Park)** 1991 Mar;5(3):63–70, 73; discussion 73–4 (47 ref.)

The child with recurrent solid tumor. Adamson PC, et al. **Pediatr Clin North Am** 1991 Apr;38(2):489–504 (47 ref.)

Osteosarcoma. Clinical features and evolving surgical and chemotherapeutic strategies. Meyer WH, et al. **Pediatr Clin North Am** 1991 Apr;38(2):317–48 (136 ref.)

Treatment of high-risk solid tumors of childhood with intensive therapy and autologous bone marrow transplantation. Seeger RC, et al. **Pediatr Clin North Am** 1991 Apr;38(2):393–424 (183 ref.)

Testis cancer. Aggressive therapy for advanced disease. Kaye SB. **Prog Clin Biol Res** 1990;357:229–34 (17 ref.)

Dose intensification using combination alkylating agents and autologous bone marrow support in the treatment of primary and metastatic breast cancer: a review of the Duke Bone Marrow Transplantation Program experience. Peters WP. **Prog Clin Biol Res** 1990;354B:185–94 (22 ref.)

Chemotherapy for invasive bladder tumors. Scher HI. **Prog Clin Biol Res** 1990;353:1–22 (83 ref.)

Neo-adjuvant M-VAC (methotrexate, vinblastine, adriamycin, and cisplatin) for infiltrating bladder cancer: initial results in Italy. Sternberg CN. **Prog Clin Biol Res** 1990;353:143–52 (28 ref.)

Sarcoidosis and testicular germ cell tumor. Case report. Droz JP, et al. **Scand J Urol Nephrol** 1990;24(3):171–3 (13 ref.)

The role of cisplatin in treatment regimens for squamous cell carcinoma of the head and neck. Clark JR, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):34–48 (120 ref.)

Current treatment approaches in colorectal cancer. Grem JL. **Semin Oncol** 1991 Feb;18(1 Suppl 1):17–26 (44 ref.)

Intraperitoneal cisplatin-based chemotherapy for ovarian carcinoma. Howell SB, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):5–10 (35 ref.)

Experience with cisplatin in treatment regimens for esophageal cancer. Leichman L, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):64–72 (51 ref.)

Chemotherapy of ovarian cancer. Ozols RF, et al. **Semin Oncol** 1991 Jun;18(3):222–32 (67 ref.)

Preemptive (neoadjuvant) chemotherapy: can analysis of eligibility criteria, prognostic factors, and tumor staging from different trials provide valid or useful comparisons?

Raghavan D, et al. **Semin Oncol** 1990 Oct;17(5):613–8 (39 ref.)
Cytotoxic chemotherapy for advanced bladder cancer: cisplatin-containing regimens. Raghavan D, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):56–63 (83 ref.)
Chemotherapy for invasive bladder cancer: neoadjuvant versus adjuvant. Scher HI. **Semin Oncol** 1990 Oct; 17(5):555–65 (77 ref.)
Endpoints of clinical trials in invasive bladder cancer. Tannock IF. **Semin Oncol** 1990 Oct;17(5):619–27 (33 ref.)
Diffuse "histiocytic" lymphoma. Vose JM, et al. **Semin Oncol** 1991 Feb;18(1):50–60 (101 ref.)
Neoadjuvant chemotherapy and surgery of cancer of the esophagus. Kelsen DP, et al. **Semin Surg Oncol** 1990; 6(5):268–73 (32 ref.)
Adjuvant chemotherapy of breast cancer. Breitmeyer JB, et al. **Surg Clin North Am** 1990 Oct;70(5):1081–102 (98 ref.)
Classification of malignant cardiac tumors with respect to oncological treatment. Löffler H, et al. **Thorac Cardiovasc Surg** 1990 Aug;38 Suppl 2:173–5 (21 ref.)
[Primary plasma cell leukemia—a comprehensive analysis of 44 cases] Cai ZJ. **Chung Hua Chung Liu Tsa Chih** 1990 Jul;12(4):314–7 (8 ref.) (Eng. Abstr.) **(Chi)**
[Randomized trial of initial chemotherapy in 151 locally advanced carcinoma of the cervix (T2b–N1, T3b, MO)] Chauvergne J, et al. **Bull Cancer (Paris)** 1990; 77(10):1007–24 (37 ref.) (Eng. Abstr.) **(Fre)**
[Chemotherapy in non-small cell bronchial carcinoma. 12 years' experience in an international cooperative group: EORTC Lung Cancer Working Party] Lacroix H, et al. **Bull Cancer (Paris)** 1990;77(10):997–1005 (36 ref.) (Eng. Abstr.) **(Fre)**
[Neoadjuvant chemotherapy of non-small cell bronchial cancers] Pujol JL, et al. **Presse Med** 1991 Mar 9; 20(9):418–22 (26 ref.) (Eng. Abstr.) **(Fre)**
[Chemotherapy of bronchial carcinoma] Wolf M, et al. **Chirurg** 1990 Aug;61(8):571–7 (15 ref.) **(Ger)**
[Therapy of advanced colorectal cancer] Schalhorn A. **Fortschr Med** 1991 Mar 20;109(8):183–6 (7 ref.) (Eng. Abstr.) **(Ger)**
[Chemo- and immunotherapy of colorectal cancer] Klein HO. **Internist (Berl)** 1991 Jun;32(6):348–53 (56 ref.) **(Ger)**
[Therapeutic aspects of advanced high risk breast cancer] Heidemann E. **Onkologie** 1990 Oct;13(5):338–44 (62 ref.) (Eng. Abstr.) **(Ger)**
[Adjuvant systemic therapy in breast carcinoma in the 1990s: status of things and open questions] Goldhirsch A, et al. **Schweiz Med Wochenschr** 1990 Nov 24;120(47):1771–83 (60 ref.) (Eng. Abstr.) **(Ger)**
[Current developments in systemic therapy of breast carcinoma] Brunner KW. **Schweiz Rundsch Med Prax** 1991 Mar 12;80(11):255–61 (13 ref.) (Eng. Abstr.) **(Ger)**
[Adjuvant therapies in breast carcinoma] Joss R, et al. **Schweiz Rundsch Med Prax** 1991 Mar 12;80(11):247–54 (45 ref.) (Eng. Abstr.) **(Ger)**
[Inductive chemotherapy of bladder cancer. A critical evaluation] Debruyne FM. **Urologe [A]** 1991 Mar; 30(2):81–4 (27 ref.) (Eng. Abstr.) **(Ger)**
[Current status of chemotherapy of germ cell tumors (published erratum appears in Urologe [A] 1991 May;30(3):162)] Dieckmann KP, et al. **Urologe [A]** 1991 Jan;30(1):45–55 (147 ref.) (Eng. Abstr.) **(Ger)**
[Chemotherapy in the treatment of advanced urothelial tumors] Sternberg CN. **Urologe [A]** 1991 Jan;30(1):33–44 (81 ref.) (Eng. Abstr.) **(Ger)**
[Systemic chemotherapy of urothelial carcinoma] Wolff J, et al. **Urologe [A]** 1991 Jan;30(1):25–32 (60 ref.) (Eng. Abstr.) **(Ger)**
[Current drug therapy of bronchial cancer] Drings P. **Verh Dtsch Ges Inn Med** 1990;96:228–41 (79 ref.) **(Ger)**
[5-Fluorouracil (5-FU)/leucovorin in comparison to other current chemotherapy protocols in metastasizing colorectal carcinoma] Baur M, et al. **Wien Klin Wochenschr** 1991; 103(11):332–9 (94 ref.) (Eng. Abstr.) **(Ger)**
[Combined chemo- and hormone-therapy in advanced ovarian carcinoma—theoretical, experimental foundations and clinical results] Sevelda P. **Wien Klin Wochenschr Suppl** 1990;183:3–29 (120 ref.) (Eng. Abstr.) **(Ger)**
[Combined therapy of inoperable esophageal cancer] Fink U, et al. **Z Gastroenterol Verh** 1991 Mar;26:209–16 (79 ref.) **(Ger)**
[Modern therapeutic strategies in stomach cancer] Wilke H, et al. **Z Gastroenterol Verh** 1991 Mar;26:217–8 (9 ref.) **(Ger)**
[Cancer chemotherapy today and in the future] Tanneberger S. **Z Gesamte Inn Med** 1990 Dec 1;45(23):693–5 (4 ref.) (Eng. Abstr.) **(Ger)**
[Primary lymphoma of the bladder] Pecze K, et al. **Orv Hetil** 1990 Sep 9;131(36):1979–81 (27 ref.) (Eng. Abstr.) **(Hun)**
[Adjuvant chemotherapy of colorectal carcinoma] Casali P, et al. **Ann Ital Chir** 1990 Sep–Oct;61(5):509–13 (22 ref.) (Eng. Abstr.) **(Ita)**
[Current aspects of treatment of multiple myeloma] Tribalto M, et al. **Ann Ital Med Int** 1988 Jul–Sep;3(3):193–202 (59 ref.) (Eng. Abstr.) **(Ita)**
[Adjuvant and neo-adjuvant systemic therapy in the treatment of colorectal neoplasms] Foggi CM, et al. **G Chir** 1988 Jan;9(1):65–7 (10 ref.) (Eng. Abstr.) **(Ita)**
[Chemotherapy of advanced ovarian cancer] Hirabayashi K. **Gan No Rinsho** 1990 Aug;36(10):1179–85 (16 ref.) (Eng. Abstr.) **(Jpn)**
[Chemotherapy of cancer of the cervix] Yamagata S. **Gan No Rinsho** 1990 Aug;36(10):1143–8 (14 ref.) (Eng. Abstr.) **(Jpn)**
[Chemotherapy of thymoma] Monden Y, et al. **Gan To Kagaku Ryoho** 1990 Oct;17(10):2019–24 (26 ref.) (Eng. Abstr.) **(Jpn)**
[Issues of adjuvant chemotherapy in gastric cancer: its clinical significance] Nakajima T. **Gan To Kagaku Ryoho** 1991 May; 18(6):952–7 (21 ref.) (Eng. Abstr.) **(Jpn)**
[Combination cancer chemotherapy using a DNA topoisomerase inhibitor CPT-11, as a core agent—the in vitro evaluation] Oguro M, et al. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1556–61 (15 ref.) (Eng. Abstr.) **(Jpn)**
[A bulky mass non-Hodgkin's lymphoma with dysuria in the rectovesical space] Tosaka A, et al. **Hinyokika Kiyo** 1990 Jun;36(6):701–5 (20 ref.) (Eng. Abstr.) **(Jpn)**
[Combined radiotherapy and pre-radiation chemotherapy with cisplatin and 5-fluorouracil for advanced esophageal carcinoma. II. Clinical evaluation in cases with higher than T2 stage] Sueyama H. **Nippon Gan Chiryo Gakkai Shi** 1990 Aug 20;25(8):1608–18 (38 ref.) (Eng. Abstr.) **(Jpn)**
[Chemotherapy of urogenital cancers] Matsumura Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Feb;82(2):181–9 (80 ref.) **(Jpn)**
[Malignant fibrous histiocytoma of the urinary bladder: a case report] Okuno T, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Feb;82(2):312–5 (13 ref.) (Eng. Abstr.) **(Jpn)**
[Multiple liver metastases of a suprasellar germ cell tumor treated with combined chemotherapy of cisplatin and etoposide] Adachi J, et al. **No Shinkei Geka** 1991 Jul; 19(7):671–5 (16 ref.) (Eng. Abstr.) **(Jpn)**
[Massive bilateral non-Hodgkin's lymphoma of the adrenal glands] Arai N, et al. **Rinsho Ketsueki** 1990 Sep; 31(9):1576–80 (15 ref.) (Eng. Abstr.) **(Jpn)**
[Malignant histiocytosis with complex chromosomal abnormality: successful treatment with CHOP-E chemotherapy] Mori H, et al. **Rinsho Ketsueki** 1991 Mar; 32(3):244–9 (15 ref.) (Eng. Abstr.) **(Jpn)**
[Current possibilities of drug therapy of lung cancer] Borisov VI, et al. **Sov Med** 1990;(9):22–6 (32 ref.) **(Rus)**
[Chemotherapy of multiple myeloma] Golenkov AK. **Sov Med** 1991;(3):43–6 (52 ref.) **(Rus)**
[Treatment of infantile non-Hodgkin's lymphoma] Bernacer Borja M. **An Esp Pediatr** 1990 Nov;33 Suppl 43:149–54 (10 ref.) **(Spa)**
[Preoperative or neoadjuvant chemotherapy. Our experience with 37 patients] Escudero Barrilero A, et al. **Arch Esp Urol** 1991 May;44(4):379–92 (21 ref.) **(Spa)**
[Antineoplastic chemotherapy of digestive tumors] Espinosa Arranz E, et al. **Med Clin (Barc)** 1991 Mar 30;96(12):471–4 (60 ref.) **(Spa)**
[Primary gastric lymphoma: incidence, prognostic factors and effect of treatment with chemotherapy] Lobato-Mendizábal E, et al. **Sangre (Barc)** 1990 Aug; 35(4):257–62 (22 ref.) (Eng. Abstr.) **(Spa)**

ANTINEOPLASTIC AGENTS, PHYTOGENIC

ADMINISTRATION & DOSAGE

[Combination cancer chemotherapy using a DNA topoisomerase inhibitor CPT-11, as a core agent—the in vitro evaluation] Oguro M, et al. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1556–61 (15 ref.) (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

[Chemical constituents and biological activity of plants of the Taxus genus] Chen WM. **Yao Hsueh Hsueh Pao** 1990; 25(3):227–40 (68 ref.) **(Chi)**

PHARMACOLOGY

Plant alkaloids. Chabner BA, et al. **Cancer Chemother Biol Response Modif** 1990;11:74–81 (45 ref.)
Can ethnopharmacology contribute to the development of new anticancer drugs? Cordell GA, et al. **J Ethnopharmacol** 1991 Apr;32(1–3):117–33 (60 ref.)
[Biogenic cytostatics] Franz G. **Pharm Unserer Zeit** 1990 Nov;19(6):257–62 (12 ref.) **(Ger)**
[Mechanisms of acquired resistance to DNA topoisomerase I inhibitors] Okada K, et al. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1562–7 (27 ref.) (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

New natural products in cancer chemotherapy. Slichenmyer WJ, et al. **J Clin Pharmacol** 1990 Sep;30(9):770–88 (173 ref.)
[DNA topoisomerase inhibitor as chemotherapeutic drug—clinical point of view] Taguchi T. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1574–8 (17 ref.) (Eng. Abstr.) **(Jpn)**

ANTINEOPLASTIC DRUG COMBINATIONS see **ANTINEOPLASTIC AGENTS, COMBINED**

ANTINEOPLASTICS, BOTANICAL see **ANTINEOPLASTIC AGENTS, PHYTOGENIC**

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ANTINUCLEAR FACTORS see **ANTIBODIES, ANTINUCLEAR**

ANTIONCOGENES see **GENES, SUPPRESSOR, TUMOR**

ANTIOXIDANTS

Antioxidant properties of an antiischaemic agent: trimetazidine. Clauser P, et al. **Adv Exp Med Biol** 1990; 264:247–50 (14 ref.)
Sulfur containing compounds as antioxidants. Dansette PM, et al. **Adv Exp Med Biol** 1990;264:209–15 (14 ref.)
Antioxidant defense systems: the role of carotenoids, tocopherols, and thiols. Di Mascio P, et al. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):194S–200S (52 ref.)
Antioxidants and atherosclerosis: a current assessment. Chisolm GM 3d. **Clin Cardiol** 1991 Feb;14(2 Suppl 1):125–30 (70 ref.)
Mechanisms of cardiovascular drugs as antioxidants. Weglicki WB, et al. **J Mol Cell Cardiol** 1990 Oct; 22(10):1199–208 (41 ref.)
[Health evaluation of antioxidant exposure in the food industry] Karłowski K, et al. **Rocz Panstw Zakl Hig** 1990; 41(3–4):89–98 (13 ref.) (Eng. Abstr.) **(Pol)**

ADMINISTRATION & DOSAGE

Review: antioxidant protection of the ageing macula. Gerster H. **Age Ageing** 1991 Jan;20(1):60–9 (63 ref.)
Antioxidant nutrients and disease prevention: an overview. Diplock AT. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):189S–193S (32 ref.)
[Pathogenetic mechanisms of stress-induced aggravation of experimental influenza and its prevention] Frolov BA, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):50–4 (25 ref.) (Eng. Abstr.) **(Rus)**
[The role of lipid peroxidation in post-stress aggravation of influenza and the corrective effect od ionol] Inozemtseva LI, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):54–7 (17 ref.) (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Mutagenesis and micronutrients relationship. Chow CK. **Food Addit Contam** 1990;7 Suppl 1:S44–7 (16 ref.)

CHEMISTRY

Antioxidants/antimutagens in food. Namiki M. **Crit Rev Food Sci Nutr** 1990;29(4):273–300 (203 ref.)

METABOLISM

Parkinson's disease and Alzheimer's disease: neurodegenerative disorders due to brain antioxidant system deficiency? Ceballos I, et al. **Adv Exp Med Biol** 1990;264:493–8 (43 ref.)
Genetic analysis of oxygen defense mechanisms in Drosophila melanogaster. Phillips JP, et al. **Adv Genet** 1990;28:43–71 (125 ref.)
Response of plant antioxidant defense genes to environmental stress. Scandalios JG. **Adv Genet** 1990;28:1–41 (136 ref.)
Reoxygenation injury and antioxidant protection: a tale of two paradoxes. Gutteridge JM, et al. **Arch Biochem Biophys** 1990 Dec;283(2):223–6 (64 ref.)
Carotenoids, tocopherols and thiols as biological singlet molecular oxygen quenchers. Di Mascio P, et al. **Biochem Soc Trans** 1990 Dec;18(6):1054–6 (15 ref.)
The antioxidant hypothesis of cardiovascular disease: epidemiology and mechanisms. Gey KF. **Biochem Soc Trans** 1990 Dec;18(6):1041–5 (73 ref.)
Antioxidants and prooxidants in malnourished populations. Thurnham DI. **Proc Nutr Soc** 1990 Jul;49(2):247–59 (58 ref.)
Vitamin C as an antioxidant. Niki E. **World Rev Nutr Diet** 1991;64:1–30 (87 ref.)
[Free radicals and antioxidants] Pawłowicz Z, et al. **Wiad Lek** 1990 Sep 1–15;43(17–18):884–9 (30 ref.) (Eng. Abstr.) **(Pol)**
[Clinical importance of lipid peroxidation] Plukhnikov MS, et al. **Vestn Otorinolaringol** 1991 May–Jun;(3):88–91 (90 ref.) **(Rus)**
[Ubiquinone, the unknown sibling of cholesterol, as a member of the antioxidant group] Karlsson J, et al. **Lakartidningen** 1991 Feb 13;88(7):512–4 (15 ref.) **(Swe)**

PHARMACOLOGY

Antioxidant effects in radioprotection. Bienvenu P, et al. **Adv Exp Med Biol** 1990;264:291–300 (84 ref.)
Biological activities and clinical potential of Ebselen. Parnham MJ. **Adv Exp Med Biol** 1990;264:193–7 (30 ref.)
Protective role of vitamin E in biological systems. Packer L. **Am J Clin Nutr** 1991 Apr;53(4 Suppl):1050S–1055S (66

ref.)
Pharmacologic approach to tissue injury mediated by free radicals and other reactive oxygen metabolites. Reilly PM, et al. **Am J Surg** 1991 Apr;161(4):488–503 (101 ref.)
Antimutagenic heat stable antioxidants. Osawa T, et al. **Prog Clin Biol Res** 1990;347:223–38 (40 ref.)
Mechanism(s) of cytoprotective and anti-inflammatory activity of PGB1 oligomers: PGBx has potent anti-phospholipase A2 and anti-oxidant activity. Franson RC, et al. **Prostaglandins Leukot Essent Fatty Acids** 1991 Jun;43(2):63–70 (46 ref.)
[Possibilities of antioxidant therapy in the prevention of side effects of amiodarone] Vereckei A, et al. **Orv Hetil** 1991 Jun 9;132(23):1265–8 (19 ref.) (Eng. Abstr.) **(Hun)**
[Problems in the pharmacology of antioxidants] Seifulla RD, et al. **Farmakol Toksikol** 1990 Nov–Dec;53(6):3–10 (52 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Antioxidant therapy in hematological disorders. Clemens MR. **Adv Exp Med Biol** 1990;264:423–33 (32 ref.)
Oxidants, joint inflammation and anti-inflammatory strategies. Dowling EJ, et al. **Adv Exp Med Biol** 1990; 264:463–74 (77 ref.)
Free radicals and trials of antioxidant therapy in muscle diseases. Jackson MJ, et al. **Adv Exp Med Biol** 1990; 264:485–91 (35 ref.)
Probucol and its mechanisms for reducing atherosclerosis. Jackson RL, et al. **Adv Exp Med Biol** 1991;285:367–72 (25 ref.)
Free radicals and antioxidants in the pathogenesis of eye diseases. Marak GE, et al. **Adv Exp Med Biol** 1990; 264:513–27 (148 ref.)
Antioxidant therapy in neurological disorders. Muller DP. **Adv Exp Med Biol** 1990;264:475–84 (41 ref.)
Rationale for antioxidant therapy in pancreatitis and cystic fibrosis. Uden S, et al. **Adv Exp Med Biol** 1990;264:555–72 (56 ref.)
Studies evaluating antioxidants and beta-carotene as chemopreventives. Malone WF. **Am J Clin Nutr** 1991 Jan; 53(1 Suppl):305S–313S (21 ref.)
Scientific basis for medical therapy of cataracts by antioxidants. Varma SD. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):335S–345S (39 ref.)
Reactive oxygen species, antioxidants, and acquired immunodeficiency syndrome. Sense or speculation? Halliwell B, et al. **Arch Intern Med** 1991 Jan;151(1):29–31 (61 ref.)
The role of antioxidants in clinical practice. Diplock AT. **Br J Clin Pract** 1990 Jul;44(7):257–8 (9 ref.)
Antioxidant micronutrients in cancer prevention. Dorgan JF, et al. **Hematol Oncol Clin North Am** 1991 Feb;5(1):43–68 (209 ref.)
On the etiopathogenesis and therapy of Down syndrome. Antila E, et al. **Int J Dev Biol** 1989 Mar;33(1):183–8 (37 ref.)
Cancer chemoprevention by supplemental carotenoids and synergism with retinol in mastodynia treatment. Santamaria LA, et al. **Med Oncol Tumor Pharmacother** 1990; 7(2–3):153–67 (48 ref.)
[The use of antioxidants in treating ischemic heart disease] Tsanova V, et al. **Vutr Boles** 1990;29(5):22–8 (0 ref.) **(Bul)**
[Role of free radicals in aging and anti-oxygen treatment] Deby C, et al. **Ann Cardiol Angeiol (Paris)** 1991 Jun; 40(6):341–8 (44 ref.) **(Fre)**
[Antioxidants in hyperbaric oxygen therapy] De Martino G, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):609–21 (11 ref.) **(Ita)**
[The significance of oxidized lipoproteins for the development of atherosclerosis. Antioxidants as a therapeutic alternative in atherosclerosis] Boberg KM. **Tidsskr Nor Laegeforen** 1991 Jun 10;111(15):1861–5 (33 ref.) (Eng. Abstr.) **(Nor)**
[Antioxidants in the chemotherapy of tumors] Burlakova EB, et al. **Vopr Onkol** 1990;36(10):1155–62 (25 ref.) **(Rus)**
[The use of antioxidants in patients with chronic diseases of the hepatobiliary system (a review of the literature)] Epishin AV, et al. **Vrach Delo** 1990 Apr;(4):24–7 (29 ref.) **(Rus)**
[The use of antioxidants and antihypoxants in tuberculosis (a review of the literature)] Skakun NP. **Vrach Delo** 1991 Mar;(3):52–6 (25 ref.) **(Rus)**

ANTIPARKINSON AGENTS

ADMINISTRATION & DOSAGE

The antiparkinsonian activity of dopamine agonists and their interaction with central dopamine receptor subtypes. Goldstein M, et al. **Adv Neurol** 1990;53:101–6 (16 ref.)

ADVERSE EFFECTS

Behavioral complications of drug treatment of Parkinson's disease. Cummings JL. **J Am Geriatr Soc** 1991 Jul; 39(7):708–16 (89 ref.)

THERAPEUTIC USE

Inhibitors of dopamine inactivating systems as antiparkinson drugs. Youdim MB. **Adv Neurol** 1990;53:483–8 (25 ref.)
Prophylactic antiparkinson drug use: I. Initial prophylaxis and prevention of extrapyramidal side effects. Lavin MR, et al. **J Clin Pharmacol** 1991 Aug;31(8):763–8 (17 ref.)
Prophylactic antiparkinson drug use: II. Withdrawal after long-term maintenance therapy. Lavin MR, et al. **J Clin Pharmacol** 1991 Aug;31(8):769–77 (40 ref.)
[Working hypothesis for the effect of GABAergic, glycinergic or glutamatergic drugs in the treatment of Parkinson disease] Vamvakidès A. **Ann Pharm Fr** 1990; 48(2):70–80 (95 ref.) (Eng. Abstr.) **(Fre)**

ANTIPLASMIN

GENETICS

Molecular genetics of alpha 2 plasmin inhibitor. Aoki N. **Adv Exp Med Biol** 1990;281:195–200 (31 ref.)

ANTIPLASMINS see **ANTIFIBRINOLYTIC AGENTS**

ANTIPLATELET AGENTS see **PLATELET AGGREGATION INHIBITORS**

ANTIPROTOZOAL AGENTS

ADMINISTRATION & DOSAGE

[Establishment of posology: the case of antiparasitic agents] Galtier P. **Ann Rech Vet** 1990;21 Suppl 1:79S–86S (23 ref.) (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

[Hepatotoxicity of antimicrobial agents. II: Urinary antiseptics, antitubercular agents, antiparasitic agents, antifungal agents, antiviral agents] Horsmans Y, et al. **Gastroenterol Clin Biol** 1990;14(12):919–24 (65 ref.) **(Fre)**

PHARMACOLOGY

Drug resistance in Giardia intestinalis. Upcroft JA, et al. **Int J Parasitol** 1990 Jul;20(4):489–96 (39 ref.)

THERAPEUTIC USE

Update on trimetrexate, a folate antagonist with antineoplastic and antiprotozoal properties. Lin JT, et al. **Cancer Invest** 1991;9(2):159–72 (135 ref.)
[Visceral leishmaniasis of favourable course in a patient with renal transplantation] Le Cacheux P, et al. **Rev Med Interne** 1990 May–Jun;11(3):250–1 (10 ref.) (Eng. Abstr.) **(Fre)**

ANTIPSYCHOTIC AGENTS see **TRANQUILIZING AGENTS, MAJOR**

ANTIPYRETICS see **ANTI-INFLAMMATORY AGENTS, NON-STEROIDAL**

ANTIPYRINE

PHARMACOKINETICS

Quantifying hepatic function in the presence of liver disease with phenazone (antipyrine) and its metabolites. St Peter JV, et al. **Clin Pharmacokinet** 1991 Jan;20(1):50–65 (89 ref.)
[Diurnal rhythm of phenacetin and antipyrine elimination in rats] Starek A, et al. **Folia Med Cracov** 1990;31(3):251–8 (18 ref.) (Eng. Abstr.) **(Pol)**

ANTI-RHEUMATIC AGENTS see **ANTI-INFLAMMATORY AGENTS**

ANTI-RHEUMATIC AGENTS, STEROIDAL see **ANTI-INFLAMMATORY AGENTS, STEROIDAL**

ANTISCHISTOSOMAL AGENTS see **SCHISTOSOMICIDES**

ANTISENSE ELEMENTS (GENETICS)

see related
TRANSCRIPTION, GENETIC

Antisense agents in cancer research and therapeutics. Dolnick BJ. **Cancer Invest** 1991;9(2):185–94 (78 ref.)
Antisense strategies in cell and developmental biology. Colman A. **J Cell Sci** 1990 Nov;97 (Pt 3):399–409 (121 ref.)
In situ hybridization using single-stranded antisense RNA probes in oral pathology research. Heikinheimo K, et al. **Proc Finn Dent Soc** 1991;87(2):245–57 (42 ref.)

ANTISENSE OLIGODEOXYRIBONUCLEOTIDES see **OLIGONUCLEOTIDES, ANTISENSE**

ANTISENSE OLIGONUCLEOTIDES see **OLIGONUCLEOTIDES, ANTISENSE**

ANTISENSE OLIGORIBONUCLEOTIDES see **OLIGONUCLEOTIDES, ANTISENSE**

ANTISENSE PROBES see **ANTISENSE ELEMENTS (GENETICS)**

ANTISENSE RNA see **RNA, ANTISENSE**

ANTISEPSIS

METHODS

Contamination of blood cultures during venepuncture: fact or myth? Shahar E, et al. **Postgrad Med J** 1990 Dec; 66(782):1053–8 (45 ref.)

ANTISEPTICS see **ANTI-INFECTIVE AGENTS, LOCAL**

ANTISEPTICS, URINARY see **ANTI-INFECTIVE AGENTS, URINARY**

ANTISEROTONERGIC AGENTS see **SEROTONIN ANTAGONISTS**

ANTISICKLING AGENTS

PHARMACOLOGY

Covalent inhibitors of the gelation of sickle cell hemoglobin and their effects on function. Manning JM. **Adv Enzymol Relat Areas Mol Biol** 1991;64:55–91 (155 ref.)

ANTISOCIAL PERSONALITY DISORDER

DIAGNOSIS

Antisocial behavior and personality disorders. Svrakic DM, et al. **Am J Psychother** 1991 Apr;45(2):181–97 (64 ref.)
Rethinking the DSM III-R diagnosis of antisocial personality disorder. Rogers R, et al. **Bull Am Acad Psychiatry Law** 1991;19(1):21–31 (59 ref.)
The antisocial personality disorder diagnosis in substance abusers: problems and issues. Alterman AI, et al. **J Nerv Ment Dis** 1991 Jul;179(7):401–9 (66 ref.)
Competent and incompetent criminal defendants: a quantitative review of comparative research. Nicholson RA, et al. **Psychol Bull** 1991 May;109(3):355–70 (100 ref.)

ETIOLOGY

Antisocial behavior: more enduring than changeable? Loeber R. **J Am Acad Child Adolesc Psychiatry** 1991 May; 30(3):393–7 (36 ref.)

PSYCHOLOGY

Secondary depression: observations in alcoholism, Briquet's syndrome, anxiety disorder, schizophrenia, and antisocial personality. A form of comorbidity? Guze SB. **Psychiatr Clin North Am** 1990 Dec;13(4):651–9 (17 ref.)
[Cultural relativity of hysteria as a nosographic entity. Hysteria and antisocial behavior] Lucchi N, et al. **Minerva Psichiatr** 1990 Jul–Sep;31(3):151–4 (12 ref.) (Eng. Abstr.) **(Ita)**
[The sociocultural correlates of psychopathic personalities] Predescu V, et al. **Rev Med Interna Neurol Psihiatr Neurochir Dermatovenerol Neurol Psihiatr Neurochir** 1990 Jan–Mar;35(1):1–8 (28 ref.) **(Rum)**

REHABILITATION

Violence and unrestrained behavior in adolescents. Marohn RC. **Adolesc Psychiatry** 1990;17:419–32 (65 ref.)

THERAPY

Social behavior of students who are seriously emotionally disturbed. A quantitative analysis of intervention studies. Singh NN, et al. **Behav Modif** 1991 Jan;15(1):74–94 (60 ref.)
Do public schools have an obligation to serve troubled children and youth? Nelson CM, et al. **Except Child** 1991 Mar–Apr;57(5):406–17 (65 ref.)
Enhancement of social learning family interventions for childhood conduct disorder. Miller GE, et al. **Psychol Bull** 1990 Sep;108(2):291–307 (260 ref.)

ANTISPASMODICS see **PARASYMPATHOLYTICS**

ANTITHROMBIN II see **ANTITHROMBIN III**

ANTITHROMBIN III

[Antithrombin III. Present findings] Balint B, et al. **Vojnosanit Pregl** 1990 Nov–Dec;47(6):442–5 (26 ref.) **(Scr)**

ANALYSIS

Plasma anticoagulant system in patients with pulmonary hypertension. Maeda NY, et al. **Braz J Med Biol Res** 1990; 23(3–4):251–4 (21 ref.)

CHEMISTRY

Antithrombin III: structural and functional aspects. Mourey L, et al. **Biochimie** 1990 Aug;72(8):599–608 (64 ref.)

DEFICIENCY

Clinical aspects of antithrombin III deficiency. Hathaway WE. **Semin Hematol** 1991 Jan;28(1):19–23 (68 ref.)

Replacement therapy in patients with hereditary antithrombin III deficiency. Menache D. **Semin Hematol** 1991 Jan;28(1):31–8 (23 ref.)
Antithrombin III replacement therapy in pregnancy. Owen J. **Semin Hematol** 1991 Jan;28(1):46–52 (42 ref.)
[Hereditary deficiency of antithrombin III, protein C and protein S. A study of 31 patients from 8 unrelated families] Lefrançois C, et al. **Ann Fr Anesth Reanim** 1990;9(6):485–94 (39 ref.) (Eng. Abstr.) **(Fre)**
[Antithrombin III deficiency and pregnancy. Apropos of a case] Tissot H, et al. **Rev Fr Gynecol Obstet** 1990 Jul–Sep; 85(7–9):473–7 (23 ref.) (Eng. Abstr.) **(Fre)**
[Management with antithrombin III concentrate in a pregnant woman with hereditary antithrombin III deficiency] Higuchi M, et al. **Rinsho Ketsueki** 1990 Sep;31(9):1544–7 (17 ref.) (Eng. Abstr.) **(Jpn)**

PHARMACOLOGY

Modulations of thrombin activity by polyelectrolytes in the presence of antithrombin III. Schiele J, et al. **Semin Thromb Hemost** 1991;17 Suppl 1:35–41 (17 ref.)

PHYSIOLOGY

Role of antithrombin III as a regulator of in vivo coagulation. Bauer KA, et al. **Semin Hematol** 1991 Jan;28(1):10–8 (51 ref.)
Antithrombin III: introduction. Menache D. **Semin Hematol** 1991 Jan;28(1):1–2 (14 ref.)

THERAPEUTIC USE

Prophylaxis of venous thrombosis following total hip and total knee replacement using antithrombin III and heparin. Francis CW, et al. **Semin Hematol** 1991 Jan;28(1):39–45 (54 ref.)
Replacement therapy in patients with hereditary antithrombin III deficiency. Menache D. **Semin Hematol** 1991 Jan;28(1):31–8 (23 ref.)
Antithrombin III replacement therapy in pregnancy. Owen J. **Semin Hematol** 1991 Jan;28(1):46–52 (42 ref.)
[Current views on the therapeutic use of heparin and antithrombin III in disseminated intravascular coagulation] Sobczyk J, et al. **Pol Tyg Lek** 1989 Oct 2–16; 44(40–42):896–8 (25 ref.) **(Pol)**

ANTITHROMBIN VI see **FIBRIN FIBRINOGEN DEGRADATION PRODUCTS**

ANTITHROMBINS

PHYSIOLOGY

Antithrombin: structure and function. Pratt CW, et al. **Semin Hematol** 1991 Jan;28(1):3–9 (62 ref.)

THERAPEUTIC USE

Importance of antithrombin therapy during coronary angioplasty. Chesebro JH, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):96B–100B (46 ref.)

ANTITHROMBOTIC AGENTS see **FIBRINOLYTIC AGENTS**

ANTITHYROID DRUGS see **THYROID ANTAGONISTS**

ANTITRUST LAWS

An economic and antitrust analysis of the distribution of medical products. Celnicker AC. **Am J Law Med** 1990; 16(4):499–523 (98 ref.)

ANTITRUST LIABILITY see **ANTITRUST LAWS**

ANTITUBERCULAR AGENTS

ADMINISTRATION & DOSAGE

The use of fixed-dose combinations in antituberculous chemotherapy. Rationale for their application in daily, intermittent and pediatric regimens. Acocella G. **Bull Int Union Tuberc Lung Dis** 1990 Jun–Sep; 65(2–3):77–83 (7 ref.)

ADVERSE EFFECTS

[Hepatotoxicity of antimicrobial agents. II: Urinary antiseptics, antituberculars agents, antiparasitic agents, antifungal agents, antiviral agents] Horsmans Y, et al. **Gastroenterol Clin Biol** 1990;14(12):919–24 (65 ref.) **(Fre)**

THERAPEUTIC USE

Progress in the approach of tuberculosis of the genitourinary tract: remarks on a decade's experience over cases. Poulios C, et al. **Acta Urol Belg** 1990;58(3):101–23 (55 ref.)
Treatment of tuberculosis. Lordi GM, et al. **Am Fam Physician** 1991 Jul;44(1):219–24 (15 ref.)
Present and new drug regimens in chemotherapy and chemoprophylaxis of tuberculosis. Grosset J. **Bull Int Union Tuberc Lung Dis** 1990 Jun–Sep; 65(2–3):86–91 (38 ref.)
Chemoprophylaxis and chemotherapy of tuberculosis in HIV infected patients. van Deutekom H. **Bull Int Union Tuberc Lung Dis** 1990 Jun–Sep;65(2–3):84–5 (5 ref.)
Mycobacterial disease associated with HIV infection. Beck K. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S19–23 (29 ref.)
Update on antimicrobial agents. Walsh ML, et al. **Nurs Clin North Am** 1991 Jun;26(2):341–60 (48 ref.)
Multidrug therapy for tuberculosis in children [comment] Starke JR. **Pediatr Infect Dis J** 1990 Nov;9(11):785–93 (84 ref.) Comment on: Pediatr Infect Dis J 1990 Nov;9(11):794–801. Comment on: Pediatr Infect Dis J 1990 Nov;9(11):802–6.
Dosing regimens in the treatment of tuberculosis. Blom-Bülow B. **Scand J Infect Dis Suppl** 1990;74:258–61 (12 ref.)
Drugs and drug development for chemotherapy of leprosy and tuberculosis, including M. avium infections. Seydel JK. **Trop Med Parasitol** 1990 Sep;41(3):341–3 (11 ref.)
[Effect of chemotherapy on infectiousness of pulmonary tuberculosis] Chen SH. **Chung Hua Chieh Ho Ho Hu Hsi Tsa Chih** 1990 Aug; 13(4):239–41 (22 ref.) **(Chi)**
[Therapy of tuberculosis] Schaberg T, et al. **Dtsch Med Wochenschr** 1990 Nov 23;115(47):1799–802 (13 ref.) **(Ger)**
[The use of antioxidants and antihypoxants in tuberculosis (a review of the literature)] Skakun NP. **Vrach Delo** 1991 Mar;(3):52–6 (25 ref.) **(Rus)**

ANTITUMOR DRUG SCREENING ASSAYS see **DRUG SCREENING ASSAYS, ANTITUMOR**

ANTI-ULCER AGENTS

see related
HISTAMINE H2 RECEPTOR BLOCKADERS

Antiulcer therapy: an exercise in formulary management. Foulke GE, et al. **J Clin Gastroenterol** 1990;12 Suppl 2:S64–8 (11 ref.)
Antiulcerogenic and antiinflammatory actions of fatty acids on the gastrointestinal tract. Lugea A, et al. **Prostaglandins Leukot Essent Fatty Acids** 1991 Jul; 43(3):135–40 (19 ref.)

ADMINISTRATION & DOSAGE

[Prevention of stress hemorrhage in critical care patients] Rösch W. **Z Gastroenterol Verh** 1991 Mar;26:29–30 (16 ref.) **(Ger)**
[Modern concepts for the prevention of acute stress hemorrhage] Tryba M, et al. **Z Gastroenterol Verh** 1991 Mar;26:26–8 (36 ref.) **(Ger)**
[Synthetic analog of prostaglandin E2 (enprostil) in the treatment of peptic ulcer] Grigor'ev PIa, et al. **Sov Med** 1991;(3):39–43 (53 ref.) **(Rus)**
[High demands on drug administration and pharmacological principles applied in ulcer diseases] Hellström PM. **Lakartidningen** 1991 Feb 6;88(6):425–30 (15 ref.) **(Swe)**

ADVERSE EFFECTS

The gastropulmonary route of infection--fact or fiction? Tryba M. **Am J Med** 1991 Aug 8;91(2A):135S–146S (65 ref.)
Should safety concerns with available ulcer treatment influence drug selection? Isenberg JI. **J Clin Gastroenterol** 1990;12 Suppl 2:S48–53 (36 ref.)
The clinical importance of drug interactions with antiulcer therapy. Reynolds JC. **J Clin Gastroenterol** 1990;12 Suppl 2:S54–63 (69 ref.)

CHEMISTRY

Bioanalysis of anti-ulcer agents. Mallikaarjun KR, et al. **J Chromatogr** 1990 Oct 12;531:407–20 (25 ref.)

THERAPEUTIC USE

Long term treatment of duodenal ulcer. A review of management options. Bianchi Porro G, et al. **Drugs** 1991 Jan;41(1):38–51 (91 ref.)
Acid secretion and acid suppression in pathogenesis and healing of peptic ulcer disease. Thomson AB. **Hepatogastroenterology** 1990 Jul;37 Suppl 1:18–28 (144 ref.)
NSAID-induced gastrointestinal damage. A critical review of prophylaxis and therapy. McCarthy DM. **J Clin Gastroenterol** 1990;12 Suppl 2:S13–20 (24 ref.)
Pathogenesis and therapy of peptic ulcer disease. Peterson WL. **J Clin Gastroenterol** 1990;12 Suppl 2:S1–6 (24 ref.)
Stress-related mucosal damage: review of drug therapy. Vorder Bruegge WF, et al. **J Clin Gastroenterol** 1990;12 Suppl 2:S35–40 (26 ref.)
Histamine2-receptor antagonists. Standard therapy for acid-peptic diseases. 1. Feldman M, et al. **N Engl J Med** 1990 Dec 13;323(24):1672–80 (202 ref.)
Preventing NSAID-induced ulcers: the use of misoprostol. Lynn MM, et al. **Nurse Pract** 1990 Oct;15(10):38–9, 42 (26 ref.)
Acid and barriers. Current research and future developments for peptic ulcer therapy. Rademaker JW, et al. **Scand J Gastroenterol Suppl** 1990;175:19–26 (67 ref.)
Reflux esophagitis. Tytgat GN, et al. **Scand J Gastroenterol Suppl** 1990;175:1–12 (64 ref.)
Prevention and management of relapse of peptic ulcer [review, tutorial] Lam SK. **Trop Gastroenterol** 1990 Oct–Dec;11(4):173–185 (103 ref.)
[Prostaglandin analogs in ulcer therapy] Hotz J. **Z Gastroenterol Verh** 1991 Mar;26:162–5 (18 ref.) **(Ger)**

ANTIVIRAL AGENTS

Antitumor, antiviral and immunopotentiating activities of pine cone extracts: potential medicinal efficacy of natural and synthetic lignin-related materials (review). Sakagami H, et al. **Anticancer Res** 1991 Mar–Apr;11(2):881–8 (58 ref.)
Computer-assisted structure-activity correlations of dideoxynucleoside analogs as potential anti-HIV drugs. Nasr M, et al. **Antiviral Res** 1990 Sep;14(3):125–48 (88 ref.)
A three-dimensional model to analyze drug-drug interactions [published erratum appears in Antiviral Res 1991 Feb;15(2):following 168] Prichard MN, et al. **Antiviral Res** 1990 Oct–Nov;14(4–5):181–205 (63 ref.)
Evaluation of TNF as antiviral, antibacterial and antiparasitic agent. Rook GA, et al. **Biotherapy** 1991;3(2):167–75 (76 ref.)
Foscarnet. A review of its antiviral activity, pharmacokinetic properties and therapeutic use in immunocompromised patients with cytomegalovirus retinitis. Chrisp P, et al. **Drugs** 1991 Jan;41(1):104–29 (104 ref.)
Prostaglandin J2—anti-tumour and anti-viral activities and the mechanisms involved. Fukushima M. **Eicosanoids** 1990; 3(4):189–99 (147 ref.)
Recent developments in antiviral agents: an overview. Nagarajan R, et al. **Hindustan Antibiot Bull** 1989 Aug–Nov; 31(3–4):90–113 (134 ref.)
Cyclobutyl compounds as antiviral agents. Clement JJ, et al. **Transplant Proc** 1991 Jun;23(3 Suppl 3):159–61 (7 ref.)

ADMINISTRATION & DOSAGE

Topical treatment of cutaneous herpes simplex virus infections. Spruance SL, et al. **Antiviral Res** 1990 Dec; 14(6):305–21 (70 ref.)
[Therapy and immunologic prevention of HIV infection] Vogt M, et al. **Internist (Berl)** 1990 Sep;31(9):593–8 (38 ref.) **(Ger)**
[Antiviral drugs in pediatrics] Delgado R. **An Esp Pediatr** 1990 Jun;32(6):473–8 (48 ref.) **(Spa)**

ADVERSE EFFECTS

[Hepatotoxicity of antimicrobial agents. II: Urinary antiseptics, antitubercular agents, antiparasitic agents, antifungal agents, antiviral agents] Horsmans Y, et al. **Gastroenterol Clin Biol** 1990;14(12):919–24 (65 ref.) **(Fre)**

CHEMICAL SYNTHESIS

Large-scale economic synthesis of antisense phosphorothioate analogues of DNA for preclinical investigations. Geiser T. **Ann N Y Acad Sci** 1990;616:173–83 (6 ref.)
Acyclic nucleoside and nucleotide analogues: a new class of antivirals. Holy A. **Farmaco** 1991 Jan;46(1 Suppl):141–6 (24 ref.)

CHEMISTRY

Chromatographic methods for the bioanalysis of antiviral agents. Riley CM, et al. **J Chromatogr** 1990 Oct 12; 531:295–368 (188 ref.)
The 3-D structure of HIV-1 proteinase and the design of antiviral agents for the treatment of AIDS. Blundell TL, et al. **Trends Biochem Sci** 1990 Nov;15(11):425–30 (39 ref.)

IMMUNOLOGY

Immunologic issues in anti-retroviral therapy. Yarchoan R, et al. **Immunol Today** 1990 Sep;11(9):327–33 (94 ref.)

PHARMACOKINETICS

Pharmacology of antiretroviral drugs. Lessons learned to date. Lietman PS. **Ann N Y Acad Sci** 1990;616:299–306 (22 ref.)

PHARMACOLOGY

Induction of heat shock protein synthesis by prostaglandins with antineoplastic and antiviral activity. Santoro MG, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:867–74 (22 ref.)
Biochemical pharmacology of acyclic nucleotide analogues. Bronson JJ, et al. **Ann N Y Acad Sci** 1990;616:398–407 (24 ref.)
Antiviral drug resistance. Coen DM. **Ann N Y Acad Sci** 1990; 616:224–37 (72 ref.)
Early events of HIV infection as targets for antiviral agents. Datema R. **Ann N Y Acad Sci** 1990;616:155–60 (48 ref.)
Anabolism and mechanism of action of Ro24–5098, an isomer of 2',3'-dideoxyadenosine (ddA) with anti-HIV activity. Frank KB, et al. **Ann N Y Acad Sci** 1990;616:408–14 (15 ref.)
New developments in combination chemotherapy of anti-human immunodeficiency virus drugs. Johnson VA, et al. **Ann N Y Acad Sci** 1990;616:318–27 (35 ref.)
Preclinical evaluation of antiviral compounds in the SCID-hu mouse. McCune JM, et al. **Ann N Y Acad Sci** 1990;616:281–6 (22 ref.)
HIV-1 protease as a potential target for anti-AIDS therapy.

Meek TD, et al. **Ann N Y Acad Sci** 1990;616:41–53 (85 ref.)
Rational targets for design and synthesis of anti-HIV agents. Pearson ML. **Ann N Y Acad Sci** 1990;616:86–9 (1 ref.)
Structure-function studies of HIV reverse transcriptase. Prasad VR, et al. **Ann N Y Acad Sci** 1990;616:11–21 (20 ref.)
Antiretroviral activity, biochemistry, and pharmacokinetics of 3'-azido-2',3'-dideoxy-5-methylcytidine. Schinazi RF, et al. **Ann N Y Acad Sci** 1990;616:385–97 (26 ref.)
The human immunodeficiency virus TAT protein. A target for antiviral agents. Sim IS. **Ann N Y Acad Sci** 1990; 616:64–72 (41 ref.)
Pharmacologic studies of nucleosides active against the human immunodeficiency virus. Sommadossi JP, et al. **Ann N Y Acad Sci** 1990;616:356–66 (33 ref.)
Correlation of molecular conformation and activity of reverse transcriptase inhibitors. Van Roey P, et al. **Ann N Y Acad Sci** 1990;616:29–40 (30 ref.)
Innovations in the use of antisense oligonucleotides. Zon G. **Ann N Y Acad Sci** 1990;616:161–72 (72 ref.)
Broad-spectrum anti-DNA virus and anti-retrovirus activity of phosphonylmethoxyalkylpurines and -pyrimidines. De Clercq E. **Biochem Pharmacol** 1991 Aug 8;42(5):963–72 (69 ref.)
Screening for new agents. Oberg B, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):466–71 (31 ref.)
Basic approaches to anti-retroviral treatment. De Clercq E. **J Acquir Immune Defic Syndr** 1991;4(3):207–18 (47 ref.)
Can ethnopharmacology contribute to the development of antiviral drugs? Vlietinck AJ, et al. **J Ethnopharmacol** 1991 Apr;32(1–3):141–53 (64 ref.)
Antiviral drugs. Wiltink EH, et al. **Pharm Weekbl [Sci]** 1991 Apr 26;13(2):58–69 (47 ref.)
Therapeutic potential of plant photosensitizers. Hudson JB, et al. **Pharmacol Ther** 1991;49(3):181–222 (228 ref.)
Ganciclovir-resistant human cytomegalovirus clinical isolates; resistance mechanisms and in vitro susceptibility to antiviral agents. Biron KK. **Transplant Proc** 1991 Jun; 23(3 Suppl 3):162–7 (10 ref.)
Fluorinated pyrimidines: a new change for old drugs. King DH. **Transplant Proc** 1991 Jun;23(3 Suppl 3):168–70 (14 ref.)

THERAPEUTIC USE

Human immunodeficiency virus structure: implications for antiviral design. Arnold E, et al. **Adv Virus Res** 1991; 39:1–87 (503 ref.)
New developments in antiretroviral drug therapy for human immunodeficiency virus infections. Johnson VA, et al. **AIDS Clin Rev** 1990;:235–72 (181 ref.)
Antiviral drug therapy. Goodpasture HC. **Am Fam Physician** 1991 Jan;43(1):197–204 (33 ref.)
Therapeutic properties of sodium diethyldithiocarbamate: its role as an inhibitor in the progression of AIDS. Sunderman FW Sr. **Ann Clin Lab Sci** 1991 Jan–Feb;21(1):70–81 (88 ref.)
DNA polymerases versus HIV reverse transcriptase in AIDS therapy. Cheng YC, et al. **Ann N Y Acad Sci** 1990; 616:217–23 (21 ref.)
Acquired immune deficiency syndrome (AIDS). Progress in drug research and therapeutic potential. Georgiev VS, et al. **Ann N Y Acad Sci** 1990;616:1–10 (8 ref.)
Nonhuman primate models for evaluation of AIDS therapy. McClure HM, et al. **Ann N Y Acad Sci** 1990;616:287–98 (51 ref.)
Comparative studies of 2',3'-didehydro-2',3'-dideoxythymidine (D4T) with other pyrimidine nucleoside analogues. Martin JC, et al. **Ann N Y Acad Sci** 1990;616:22–8 (35 ref.)
Impaired immunity in AIDS. The mechanisms responsible and their potential reversal by antiviral therapy. Ruegg CL, et al. **Ann N Y Acad Sci** 1990;616:307–17 (56 ref.)
Antisense and antiviral therapy. Sherman MI. **Ann N Y Acad Sci** 1990;616:201–4 (11 ref.)
Initial clinical experience with dideoxynucleosides as single agents and in combination therapy. Yarchoan R, et al. **Ann N Y Acad Sci** 1990;616:328–43 (59 ref.)
Resistance of viruses to antiviral drugs. Freifeld AG, et al. **Annu Rev Med** 1991;42:247–59 (44 ref.)
Antiviral therapy of HIV infection. Richman DD. **Annu Rev Med** 1991;42:69–90 (149 ref.)
Therapy of viral infections of the central nervous system. Griffin DE. **Antiviral Res** 1991 Jan;15(1):1–10 (69 ref.)
Anti-retroviral therapy of human immunodeficiency virus infection: current strategies and challenges for the future. Yarchoan R, et al. **Blood** 1991 Aug 15;78(4):859–84 (254 ref.)
Foscarnet sodium. Minor JR, et al. **DICP** 1991 Jan;25(1):41–7 (59 ref.)
Therapeutic potential of phosphonylmethoxyalkylpurines and -pyrimidines as antiviral agents. De Clercq E. **Drugs Exp Clin Res** 1990;16(7):319–26 (27 ref.)
Treatment of HIV infections and AIDS: new horizons. Koech DK, et al. **East Afr Med J** 1990 Jul;67(7 Suppl 2):SS77–81 (16 ref.)
Perspectives in antiviral chemotherapy. Huraux JM, et al. **Fundam Clin Pharmacol** 1990;4(4):357–72 (78 ref.)
Postexposure chemoprophylaxis: approval criteria for clinical trials. Beninger PR, et al. **J Acquir Immune Defic Syndr** 1991;4(5):513–5 (0 ref.)
Overview of cytomegalovirus infections in HIV-infected patients: current therapies and future strategies. Crumpacker CS, et al. **J Acquir Immune Defic Syndr** 1991; 4 Suppl 1:S1–5 (13 ref.)
Approaches to the treatment of cytomegalovirus retinitis: ganciclovir and foscarnet. Jacobson MA, et al. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S11–5 (26 ref.)
Current report—HIV. AIDS at the crossroads: a report from the 1990 International Conference on AIDS—San Francisco. Goldschmidt RH, et al. **J Am Board Fam Pract** 1990 Oct–Dec;3(4):297–304 (52 ref.)
Therapy of chronic viral hepatitis. Main J. **J Hosp Infect** 1991 Jun;18 Suppl A:335–40 (27 ref.)
S-adenosyl-L-homocysteine hydrolase as a target for antiviral chemotherapy. Wolfe MS, et al. **J Med Chem** 1991 May;34(5):1521–30 (117 ref.)
The pharmacologic treatment of HIV infection and AIDS in adults. Cohen FL. **Nurs Clin North Am** 1991 Jun; 26(2):315–29 (67 ref.)
Update on antimicrobial agents. Walsh ML, et al. **Nurs Clin North Am** 1991 Jun;26(2):341–60 (48 ref.)
Antiviral therapy for human immunodeficiency virus infection in children. McKinney RE Jr. **Pediatr Clin North Am** 1991 Feb;38(1):133–51 (94 ref.)
New antiviral drugs for treatment of viral infections in immunocompromised patients. Jehn U. **Recent Results Cancer Res** 1991;121:353–9 (22 ref.)
Management of cytomegalovirus disease with antiviral drugs. Balfour HH Jr. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S849–60 (81 ref.)
New antiretroviral agents in the clinic. Myers MW. **Rev Infect Dis** 1990 Sep–Oct;12(5):944–50 (11 ref.)
Molecular targets for AIDS therapy. Mitsuya H, et al. **Science** 1990 Sep 28;249(4976):1533–44 (137 ref.)
Prevention and therapy of viral hepatitis. Katkov WN, et al. **Semin Liver Dis** 1991 May;11(2):165–74 (80 ref.)
Value of animal models to evaluate agents with potential activity against human cytomegalovirus. Kern ER. **Transplant Proc** 1991 Jun;23(3 Suppl 3):152–5, discussion 155 (4 ref.)
[Acute viral myocarditis. 2: Therapy] Schultheiss HP. **Fortschr Med** 1991 Jan 30;109(3):49–50 (0 ref.) (Eng. Abstr.) **(Ger)**
[Herpesvirus infections—indications for chemotherapy in dermato-venereology] Gross GE, et al. **Hautarzt** 1990 Nov; 41(11):591–601 (73 ref.) (Eng. Abstr.) **(Ger)**
[Virostatic treatment of herpes simplex infections of variable severity] Raab R, et al. **Hautarzt** 1990 Aug;41(8):413–5 (14 ref.) (Eng. Abstr.) **(Ger)**
[Therapy of HIV infection (AIDS)] Haustein UF. **Z Gesamte Inn Med** 1991 Jun;46(8):263–70 (42 ref.) (Eng. Abstr.) **(Ger)**
[Chemotherapy of AIDS: results and prospects] Chizhov NP. **Antibiot Khimioter** 1991 Apr;36(4):38–42 (41 ref.) **(Rus)**
[Pathogenesis and therapy of persistent infections associated with immunodeficiency syndromes] Votiakov VI, et al. **Klin Med (Mosk)** 1991 May;69(5):29–37 (28 ref.) **(Rus)**
[Antiviral preparations in the therapy of chronic viral hepatitis] Geller LI. **Ter Arkh** 1990;62(11):15–9 (45 ref.) (Eng. Abstr.) **(Rus)**
[Antiviral immunological therapeutics] de Juan Martin F. **An Esp Pediatr** 1989 Sep;31 Suppl 38:131–6 (16 ref.) **(Spa)**
[Antiviral chemotherapy] Lorenzo Fernández P. **An Esp Pediatr** 1989 Sep;31 Suppl 38:122–5 (22 ref.) **(Spa)**
[The clinical applications of antivirals in pediatrics] Velasco JA, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 38:125–31 (20 ref.) **(Spa)**

ANTRUM OF HIGHMORE see **MAXILLARY SINUS**

ANTRUM, PYLORIC see **PYLORIC ANTRUM**

ANTS

The red imported fire ant (Solenopsis invicta). A problem in North Carolina. Burke WA. **N C Med J** 1991 Apr; 52(4):153–8 (37 ref.)

ANURA

Isolation, localization, and cloning of a kainic acid binding protein from frog brain. Wenthold RJ, et al. **J Histochem Cytochem** 1990 Dec;38(12):1717–23 (18 ref.)

ANATOMY & HISTOLOGY

Theory of active transport across frog skin and other bifacial cell systems: a subsidiary of the association-induction hypothesis. Ling GN. **Scanning Microsc** 1990 Sep; 4(3):723–9; discussion 729–36 (29 ref.)

GROWTH & DEVELOPMENT

Retrofitting larval neuromuscular circuits in the metamorphosing frog. Alley KE. **J Neurobiol** 1990 Oct; 21(7):1092–107 (45 ref.)

PHYSIOLOGY

Visual units in the central nervous system of the frog. Gaillard F. **Comp Biochem Physiol [A]** 1990;96(3):357–71 (126 ref.)
Activity-dependent plasticity in the visual systems of frogs and fish. Cline HT. **Trends Neurosci** 1991 Mar;14(3):104–11 (80 ref.)

ANURIA

THERAPY

Continuous arteriovenous hemofiltration in children. Lieberman KV. **Pediatr Nephrol** 1987 Jul;1(3):330–8 (17 ref.)

ANUS

AIDS and heterosexual anal intercourse. Voeller B. **Arch Sex Behav** 1991 Jun;20(3):233–76 (231 ref.)
[Eversion-resection with stapler in cancer of the rectum. Original technique for preserving the sphincter in extreme cases] Tamames Escobar S. **An R Acad Nac Med (Madr)** 1990;107(3):483–91 (21 ref.) **(Spa)**

ABNORMALITIES

[Diagnosis and primary surgical therapy of anorectal abnormalities with regard to postoperative incontinence] Holschneider AM. **Zentralbl Chir** 1990;115(22):1409–22 (32 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Influence of peptides on anorectal function. Christiansen J, et al. **Ann Med** 1990 Dec;22(6):413–8 (58 ref.)
Functional assessment of the anorectum in faecal incontinence. Read NW. **Ciba Found Symp** 1990; 151:119–35; discussion 135–8 (30 ref.)
Anal manometry. Felt-Bersma RJ, et al. **Int J Colorectal Dis** 1990 Aug;5(3):170–3 (70 ref.)

PHYSIOPATHOLOGY

The internal and sphincter—new insights into faecal incontinence. Speakman CT, et al. **Gut** 1991 Apr; 32(4):345–6 (26 ref.)
Anatomy and physiology of the mechanism of continence. Kuijpers JH. **Neth J Med** 1990 Aug;37 Suppl 1:S2–5 (13 ref.)
Anal fissures. Smith LE. **Neth J Med** 1990 Aug;37 Suppl 1:S33–6 (23 ref.)

SURGERY

Surgical options in ulcerative colitis: role of ileo-anal anastomosis. Keighley MR, et al. **Aust N Z J Surg** 1990 Nov;60(11):835–48 (120 ref.)
Determinants of ileoanal pouch function. Levitt MD, et al. **Gut** 1991 Feb;32(2):126–7 (40 ref.)
Current status of sphincter preservation in rectal cancer. Harms BA, et al. **Oncology (Williston Park)** 1990 Aug; 4(8):53–60; discussion 65–6 (49 ref.)
New hope and promise for sphincter preservation in the management of cancer of the rectum. Marks G, et al. **Semin Oncol** 1991 Aug;18(4):388–98 (51 ref.)
[Inflammation of the ileal reservoir after ileo-anal anastomosis with a reservoir] Gendre JP. **Ann Gastroenterol Hepatol (Paris)** 1990 Nov;26(6):251–3 (22 ref.) **(Fre)**
[Functional results of ileo-rectal and ileo-anal reservoirs after complete colectomy for inflammatory disease (ulcero-hemorrhagic recto-colitis)] Mignon M, et al. **Ann Gastroenterol Hepatol (Paris)** 1990 Nov;26(6):247–50 (22 ref.) **(Fre)**

ANUS, ARTIFICIAL see **COLOSTOMY**

ANUS DISEASES

Sexually transmitted diseases of the colon, rectum, and anus. The challenge of the nineties. Wexner SD. **Dis Colon Rectum** 1990 Dec;33(12):1048–62 (161 ref.)

DIAGNOSIS

General perianal skin problems. Stolz E, et al. **Neth J Med** 1990 Aug;37 Suppl 1:S43–6 (4 ref.)

ETIOLOGY

Treatment of perianal pathology in inflammatory bowel disease. van der Sluis RF, et al. **Neth J Med** 1989 Jun;35 Suppl 1:S50–3 (25 ref.)

PATHOLOGY

[Fournier's gangrene] Turegano Fuentes F, et al. **Rev Quir Esp** 1988 Jul–Aug;15(4):185–8 (13 ref.) (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[Is total colonoscopy warranted in all patients with macroscopic hemorrhage per anum?] Bader JP. **Gastroenterol Clin Biol** 1991;15(3):183–6 (14 ref.) **(Fre)**

SURGERY

[The surgeon faced with ano-perineal lesions of Crohn's

disease] Contou JF, et al.
Ann Gastroenterol Hepatol (Paris) 1990 Nov;26(6):263–70 (39 ref.) **(Fre)**

THERAPY

Office treatment of haemorrhoids and perianal haematoma. Iseli A. **Aust Fam Physician** 1991 Mar;20(3):284–90 (0 ref.)

ANUS, IMPERFORATE

COMPLICATIONS

Accessory perineal scrotum associated with anorectal malformation. A report of 2 cases. Ferro F, et al.
S Afr J Surg 1991 Mar;29(1):32–4 (20 ref.)

SURGERY

[Surgical treatment of anorectal developmental defects in children (review of foreign literature)] Smirnov AN, et al. **Khirurgiia (Mosk)** 1990 Aug;(8):149–55 (129 ref.) **(Rus)**

[Fecal incontinence derived from ano-rectal atresia] Gil-Vernet JM, et al. **Cir Pediatr** 1988 Apr;1(2):69–84 (88 ref.) **(Spa)**

[Surgical treatment of anorectal atresia. New contributions] González Utrilla J, et al. **Cir Pediatr** 1988 Apr;1(2):66–8 (10 ref.) **(Spa)**

ANUS NEOPLASMS

COMPLICATIONS

Crohn's disease and anal carcinoma: an association? A case report and review of the literature. Lumley JW, et al.
Aust N Z J Surg 1991 Jan;61(1):76–7 (10 ref.)

[Mucoid carcinoma of the anus and perianal fistula: a clinical case and review of the literature] Bronzi R, et al.
G Chir 1989 Apr;10(4):170–2 (10 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

[Anal lesions and human papillomaviruses. Virologic, epidemiologic and cancerologic aspects] Euvrard S, et al.
Ann Dermatol Venereol 1991;118(6–7):497–502 (68 ref.) **(Fre)**

EPIDEMIOLOGY

[Anogenital warts in children] Herrera Saval A, et al.
Ann Dermatol Venereol 1990;117(8):523–6 (24 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Endometriosis in episiotomy scar with anal sphincter involvement. Report of a case. Sayfan J, et al.
Dis Colon Rectum 1991 Aug;34(8):713–6 (22 ref.)

The role of papillomaviruses in anogenital cancer. zur Hausen H. **Scand J Infect Dis Suppl** 1990;69:107–11 (38 ref.)

MICROBIOLOGY

Immunology of anogenital human papillomavirus (HPV) infection. Tindle RW, et al.
Aust N Z J Obstet Gynaecol 1990 Nov;30(4):370–5 (45 ref.)

Relation of papillomaviruses to anogenital cancer. Pfister H, et al. **Dermatol Clin** 1991 Apr;9(2):267–76 (126 ref.)

Human papillomaviruses in the pathogenesis of anogenital cancer. zur Hausen H. **Virology** 1991 Sep;184(1):9–13 (47 ref.)

PATHOLOGY

Granular cell tumour (myoblastoma): two cases and a review of the literature. Payne-James JJ, et al.
Br J Clin Pract 1990 Aug;44(8):334–6 (24 ref.)

[Bowen's disease, Paget's disease and basalioma of the anal region] Gross E. **Z Gastroenterol Verh** 1991 Mar;26:176–80 (48 ref.) **(Ger)**

RADIOTHERAPY

Combined brachytherapy and external beam radiation in the treatment of anal and rectal carcinoma. Valentini V, et al. **Rays** 1991 Jan-Mar;16(1):82–91 (44 ref.) **(Eng, Ita)**

SURGERY

[Cancer of the anus. Current role of surgery] Cola B, et al.
Chirurgie 1990;116(1):89–97; discussion 97–8 (25 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Interferon treatment of anogenital human papillomavirus-related diseases. Trofatter KF Jr.
Dermatol Clin 1991 Apr;9(2):343–52 (58 ref.)

Anal cancer. Cummings BJ.
Int J Radiat Oncol Biol Phys 1990 Nov;19(5):1309–15 (55 ref.)

ANUS PROLAPSE see **RECTAL PROLAPSE**

ANXIETY

Physiological and behavioral responses to corticotropin-releasing factor administration: is CRF a mediator of anxiety or stress responses? Dunn AJ, et al.
Brain Res Brain Res Rev 1990 May-Aug;15(2):71–100 (267 ref.)

Diagnostic criteria for separation anxiety in the dog. McCrave EA. **Vet Clin North Am Small Anim Pract** 1991 Mar;21(2):247–55 (18 ref.)

[Further experimental and clinical data on yohimbine with special reference to its anxiogenic effect. An experimental contribution] Costa R, et al. **Clin Ter** 1991 Jan 15;136(1):3–9 (30 ref.) (Eng. Abstr.) **(Ita)**

[The concept of anxiety—etiology, clinical aspects and treatment] Hytten K. **Tidsskr Nor Laegeforen** 1991 Feb 28; 111(6):685–9 (42 ref.) (Eng. Abstr.) **(Nor)**

CHEMICALLY INDUCED

The benzodiazepines: anxiolytic and withdrawal effects. Little HJ. **Neuropeptides** 1991 Jul;19 Suppl:11–4 (18 ref.)

DIAGNOSIS

How normal are anxiety and fear? Hodiamont P.
Int J Soc Psychiatry 1991 Spring;37(1):43–50 (24 ref.)

[The physiognomic semeiotics of anxiety. A critical review] Angelini G, et al. **Minerva Med** 1991 Apr;82(4):217–9 (7 ref.) (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Neurochemical actions of CCK underlying the therapeutic potential of CCK-B antagonists. Hughes J, et al.
Neuropeptides 1991 Jul;19 Suppl:85–9 (34 ref.)

Anxiety—social issues of treatment. Lader M.
Prog Clin Biol Res 1990;361:257–73 (71 ref.)

Animal models of anxiety and the development of novel anxiolytic drugs. Sanger DJ, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1991; 15(2):205–12 (30 ref.)

Benzodiazepines, putative anxiolytics and animal models of anxiety. Green S. **Trends Neurosci** 1991 Mar;14(3):101–4 (42 ref.)

ETIOLOGY

Anxiety and the human family unit: a perspective. Payne RH. **J S C Med Assoc** 1990 Sep;86(9):507–10 (4 ref.)

NURSING

Stress and anxiety. Robinson L. **Nurs Clin North Am** 1990 Dec;25(4):935–43 (24 ref.)

PHYSIOPATHOLOGY

5-HT-related drugs and human experimental anxiety. Zuardi AW. **Neurosci Biobehav Rev** 1990 Winter;14(4):507–10 (34 ref.)

GABAergic and dopaminergic transmission in the rat cerebral cortex: effect of stress, anxiolytic and anxiogenic drugs. Biggio G, et al. **Pharmacol Ther** 1990;48(2):121–42 (190 ref.)

The neurochemistry of anxiety: an update. Nutt DJ, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1990; 14(5):737–52 (67 ref.)

PREVENTION & CONTROL

Music therapy: a means of reducing anxiety in the myocardial infarction patient. White J, et al. **Wis Med J** 1991 Jul; 90(7):434–7 (42 ref.)

PSYCHOLOGY

Social motivation. Green RG. **Annu Rev Psychol** 1991; 42:377–99 (75 ref.)

Why worry? The cognitive function of anxiety. Mathews A. **Behav Res Ther** 1990;28(6):455–68 (60 ref.)

Behavioural studies in humans: anxiety, stress and smoking. Pomerleau OF, et al. **Ciba Found Symp** 1990;152:225–35; discussion 235–9 (42 ref.)

Pain, anxiety and powerlessness. Walding MF.
J Adv Nurs 1991 Apr;16(4):388–97 (84 ref.)

[Anxiety in children in the first 3 months] Jalenques I, et al. **Ann Med Psychol (Paris)** 1990 Nov;148(9):812–5 (13 ref.) **(Fre)**

THERAPY

The causes and control of anxiety. Fisher S.
Br J Hosp Med 1990 Sep;44(3):194–7 (16 ref.)

ANXIETY, CASTRATION

PSYCHOLOGY

Castration. Rangell L. **J Am Psychoanal Assoc** 1991; 39(1):3–23 (43 ref.)

ANXIETY DISORDERS

Anxiety. Kercher EE. **Emerg Med Clin North Am** 1991 Feb; 9(1):161–87 (82 ref.)

[The concept of anxiety—etiology, clinical aspects and treatment] Hytten K. **Tidsskr Nor Laegeforen** 1991 Feb 28; 111(6):685–9 (42 ref.) (Eng. Abstr.) **(Nor)**

BLOOD

Neuroendocrine effects of benzodiazepines. De Souza EB.
J Psychiatr Res 1990;24 Suppl 2:111–9 (50 ref.)

CLASSIFICATION

[Anxiety] Blanqué JM, et al. **Aten Primaria** 1991 Mar; 8(3):234–8 (9 ref.) **(Spa)**

COMPLICATIONS

Understanding and treating depression in anxious patients. Dubovsky SL. **J Clin Psychiatry** 1990 Oct;51 Suppl:3–8; discussion 14–7 (55 ref.)

Do benzodiazepines have a role in the prevention or treatment of coronary heart disease and other major medical disorders? Williams RB Jr. **J Psychiatr Res** 1990; 24 Suppl 2:51–6 (15 ref.)

Mitral valve prolapse, panic disorder, and chest pain. Alpert MA, et al. **Med Clin North Am** 1991 Sep;75(5):1119–33 (129 ref.)

DIAGNOSIS

Validation criteria for panic disorder as a nosological entity. Rosenberg R, et al. **Acta Psychiatr Scand Suppl** 1991; 365:7–17 (130 ref.)

Prodromal symptoms in affective disorders. Fava GA, et al.
Am J Psychiatry 1991 Jul;148(7):823–30 (88 ref.)

How normal are anxiety and fear? Hodiamont P.
Int J Soc Psychiatry 1991 Spring;37(1):43–50 (24 ref.)

Overanxious disorder: a review of its taxonomic properties. Werry JS. **J Am Acad Child Adolesc Psychiatry** 1991 Jul; 30(4):533–44 (36 ref.)

The comorbidity factor: establishing the primary diagnosis in patients with mixed symptoms of anxiety and depression [see comments] Clayton PJ. **J Clin Psychiatry** 1990 Nov; 51 Suppl:35–9 (17 ref.) Comment in: J Clin Psychiatry 1991 Apr;52(4):181–2.

Anxiety in the elderly: treatment strategies. Salzman C.
J Clin Psychiatry 1990 Oct;51 Suppl:18–21; discussion 29–32 (35 ref.)

Anxiety and adjustment disorder: a treatment approach [published erratum appears in J Clin Psychiatry 1991 Mar;52(3):140] Schatzberg AF. **J Clin Psychiatry** 1990 Nov;51 Suppl:20–4 (13 ref.)

The hidden patient: unrecognized panic disorder. Weissman MM. **J Clin Psychiatry** 1990 Nov;51 Suppl:5–8 (18 ref.)

Panic and generalized anxiety: are they separate disorders? Weissman MM. **J Psychiatr Res** 1990;24 Suppl 2:157–62 (13 ref.)

Validating studies for panic disorder in patients with angiographically normal coronary arteries. Beitman BD, et al. **Med Clin North Am** 1991 Sep;75(5):1143–55 (57 ref.)

The concept of secondary depression and its relationship to comorbidity. Winokur G. **Psychiatr Clin North Am** 1990 Dec;13(4):567–83 (22 ref.)

Anxiety disorders research with African Americans: current status. Neal AM, et al. **Psychol Bull** 1991 May; 109(3):400–10 (110 ref.)

[Panic attacks and panic disorder—diagnosis, validation and therapy] Buller R, et al. **Nervenarzt** 1990 Nov;61(11):647–57 (85 ref.) **(Ger)**

[Differentiation of anxiety and depression—terminology, clinical and psychological aspects] Schulze A.
Psychiatr Neurol Med Psychol (Leipz) 1990 Dec; 42(12):713–22 (46 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Serotonin agents in anxiety. Taylor DP.
Ann N Y Acad Sci 1990;600:545–56; discussion 556–7 (77 ref.)

A practical update on anxiety disorders and their pharmacologic treatment [see comments] Brown CS, et al. **Arch Intern Med** 1991 May;151(5):873–84 (128 ref.) Comment in: Arch Intern Med 1991 May;151(5):857–9.

The marketing of 5-hydroxytryptamine: depression or anxiety? Healy D. **Br J Psychiatry** 1991 Jun;158:737–42 (44 ref.)

A review of the psychopharmacology of panic disorder: individual differences and non specific factors. Cox BJ, et al. **Can J Psychiatry** 1991 Mar;36(2):130–8 (56 ref.)

A guide to benzodiazepine selection. Part I: Pharmacological aspects. Teboul E, et al. **Can J Psychiatry** 1990 Nov; 35(8):700–10 (76 ref.)

A guide to benzodiazepine selection. Part II: Clinical aspects. Teboul E, et al. **Can J Psychiatry** 1991 Feb;36(1):62–73 (166 ref.)

Long-term pharmacologic treatment of panic disorder. Ballenger JC. **J Clin Psychiatry** 1991 Feb;52 Suppl:18–23; discussion 24–5 (26 ref.)

Panic disorder: a treatment update. Burrows GD, et al.
J Clin Psychiatry 1991 Jul;52 Suppl:24–6 (18 ref.)

Continuation treatment of panic disorder with high-potency benzodiazepines. Davidson JR. **J Clin Psychiatry** 1990 Dec; 51 Suppl A:31–7 (26 ref.)

Thinking about stopping treatment for panic disorder. DuPont RL. **J Clin Psychiatry** 1990 Dec;51 Suppl A:38–45 (45 ref.)

Treatment of generalized anxiety disorder: preliminary clinical experience with buspirone. Petracca A, et al.

J Clin Psychiatry 1990 Sep;51 Suppl:31–9 (62 ref.)
Buspirone in clinical practice. Rickels K.
J Clin Psychiatry 1990 Sep;51 Suppl:51–4 (23 ref.)
Decisions for the clinician in the treatment of panic disorder: when to treat, which treatment to use, and how long to treat. Schatzberg AF, et al. **J Clin Psychiatry** 1991 Feb; 52 Suppl:26–31; discussion 32 (31 ref.)
Advances in treatment of anxiety and depressive disorders. Lyles WB, et al. **J Fla Med Assoc** 1990 Aug;77(8):731–4 (40 ref.)
Efficacy of benzodiazepines in panic disorder and agoraphobia. Ballenger JC. **J Psychiatr Res** 1990;24 Suppl 2:15–25 (34 ref.)
The GABAA/benzodiazepine receptor: implications for the molecular basis of anxiety. Breier A, et al.
J Psychiatr Res 1990;24 Suppl 2:91–104 (80 ref.)
Short-acting versus long-acting benzodiazepines: discontinuation effects in panic disorders. Burrows GD, et al. **J Psychiatr Res** 1990;24 Suppl 2:65–72 (22 ref.)
Benzodiazepine discontinuation syndromes. Greenblatt DJ, et al. **J Psychiatr Res** 1990;24 Suppl 2:73–9 (36 ref.)
Future directions in the treatment of anxiety. Hirschfeld RM.
J Psychiatr Res 1990;24 Suppl 2:163–7 (15 ref.)
Depression and panic anxiety: the effect of depressive co-morbidity on response to drug treatment of patients with panic disorder and agoraphobia. Klerman GL.
J Psychiatr Res 1990;24 Suppl 2:27–41 (60 ref.)
Cardiovascular considerations in selection of anti-panic pharmacotherapy. Taylor CB, et al. **J Psychiatr Res** 1990; 24 Suppl 2:43–9 (24 ref.)
Buspirone and related compounds as alternative anxiolytics. Taylor DP, et al. **Neuropeptides** 1991 Jul;19 Suppl:15–9 (15 ref.)
Psychopharmacological interventions in HIV infections. Fernandez F. **New Dir Ment Health Serv** 1990 Winter; (48):43–53 (50 ref.)
Strategic use of benzodiazepines in cancer patients. Greenberg DB. **Oncology (Williston Park)** 1991 Apr; 5(4):83–8; discussion 88, 90, 95 (47 ref.)
Drug treatment of panic disorder—a critical review of controlled clinical trials. Balestrieri M, et al.
Psychiatr Dev 1989 Winter;7(4):337–50 (50 ref.)
The drug treatment of panic disorder. Matuzas W, et al.
Psychiatr Med 1991;9(2):215–43 (172 ref.)

EPIDEMIOLOGY

Comorbidity of attention deficit hyperactivity disorder with conduct, depressive, anxiety, and other disorders. Biederman J, et al. **Am J Psychiatry** 1991 May; 148(5):564–77 (118 ref.)
Coexisting depression and anxiety: special diagnostic and treatment issues. Lydiard RB. **J Clin Psychiatry** 1991 Jun; 52 Suppl:48–54 (70 ref.)
Overview of anxiety disorders: prevalence, biology, course, and treatment. Schatzberg AF. **J Clin Psychiatry** 1991 Jul; 52 Suppl:5–9 (41 ref.)
[Epidemiological approach to anxiety disorders in children] Jalenques I, et al. **Rev Med Suisse Romande** 1991 Jul; 111(7):631–9 (29 ref.) **(Fre)**

ETIOLOGY

[Anxiety disorders in children: do any risk factors exist?] Jalenques I, et al. **Ann Pediatr (Paris)** 1990 Oct;37(8):487–95 (33 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Panic disorder: genetic considerations. Crowe RR.
J Psychiatr Res 1990;24 Suppl 2:129–34 (24 ref.)
The application of genetic methods to the study of disease associations in psychiatry. Crowe RR.
Psychiatr Clin North Am 1990 Dec;13(4):585–96 (22 ref.)

PHYSIOPATHOLOGY

Serotonin function and human anxiety disorders. Charney DS, et al. **Ann N Y Acad Sci** 1990;600:558–72; discussion 572–3 (82 ref.)
Effect of hypercapnia and other disturbances in the acid–base–balance on panic disorder. Zandbergen J, et al. **Hillside J Clin Psychiatry** 1989;11(2):185–97 (65 ref.)
Noradrenergic function in panic disorder. Charney DS, et al. **J Clin Psychiatry** 1990 Dec;51 Suppl A:5–11 (115 ref.)
Neuroelectrical activity related to panic disorder. Knott VJ. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(5):697–707 (23 ref.)
The neurochemistry of anxiety: an update. Nutt DJ, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(5):737–52 (67 ref.)

PREVENTION & CONTROL

Maintenance treatment with antidepressants in panic disorder. Noyes R Jr, et al. **J Clin Psychiatry** 1990 Dec; 51 Suppl A:24–30 (65 ref.)
[Detection of the anxio-depressive disorders in liaison psychiatry. Contribution of the General Health Questionnaire] Pariente P, et al. **Encephale** 1990 Nov–Dec; 16(6):459–64 (72 ref.) (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Panic disorder in children and adolescents: a review with examples. Bradley SJ. **Adolesc Psychiatry** 1990;17:433–50 (50 ref.)
Substance abuse and panic-related anxiety: a critical review. Cox BJ, et al. **Behav Res Ther** 1990;28(5):385–93 (69 ref.)
Panic attacks without fear: an overview. Kushner MG, et al. **Behav Res Ther** 1990;28(6):469–79 (31 ref.)
Suicide and panic disorder: a review. Noyes R Jr.
J Affect Disord 1991 May–Jun;22(1–2):1–11 (68 ref.)
Anxiety disorders of childhood and adolescence: a critical review. Bernstein GA, et al.
J Am Acad Child Adolesc Psychiatry 1991 Jul;30(4):519–32 (150 ref.)
Depression and anxiety secondary to medical illness. Cassem EH. **Psychiatr Clin North Am** 1990 Dec;13(4):597–612 (51 ref.)
Anxiety secondary to depression. Coryell W.
Psychiatr Clin North Am 1990 Dec;13(4):685–98 (41 ref.)
Secondary depression: observations in alcoholism, Briquet's syndrome, anxiety disorder, schizophrenia, and antisocial personality. A form of comorbidity? Guze SB.
Psychiatr Clin North Am 1990 Dec;13(4):651–9 (17 ref.)
Alcohol use and abuse secondary to anxiety. Wesner RB.
Psychiatr Clin North Am 1990 Dec;13(4):699–713 (39 ref.)
Psychological approaches to panic disorder: a review. McNally RJ. **Psychol Bull** 1990 Nov;108(3):403–19 (160 ref.)
[Psychophysiology of anxiety diseases] Albus M.
Nervenarzt 1990 Nov;61(11):639–46 (84 ref.) **(Ger)**
[Pathologic anxiety in the family] Dellisch H.
Prax Kinderpsychol Kinderpsychiatr 1991 Apr;40(4):128–33 (8 ref.) (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Positron emission tomography in neuropsychiatry. Faulstich ME, et al. **Invest Radiol** 1991 Feb;26(2):184–94 (93 ref.)

THERAPY

New ways of treating panic disorder. Gelder MG.
Ann Med 1991 Apr;23(2):97–9 (20 ref.)
Diagnosis and management of panic disorder. Shelton RC.
Compr Ther 1990 Dec;16(12):11–7 (20 ref.)
Long-term outcome for patients with panic disorder treated with cognitive-behavioral therapy. Barlow DH.
J Clin Psychiatry 1990 Dec;51 Suppl A:17–23 (32 ref.)
Managing long-term therapy for panic disorder. Burrows GD. **J Clin Psychiatry** 1990 Nov;51 Suppl:9–12 (21 ref.)
Treatment of anxiety disorder in patients with mood disorders. Coplan JD, et al. **J Clin Psychiatry** 1990 Oct; 51 Suppl:9–13; discussion 14–7 (41 ref.)
Targeting treatment in patients with mixed symptoms of anxiety and depression. Fawcett J. **J Clin Psychiatry** 1990 Nov;51 Suppl:40–3 (14 ref.)
Behavioral, cognitive, and pharmacological treatments of panic disorder with agoraphobia: critique and synthesis. Michelson LK, et al. **J Consult Clin Psychol** 1991 Feb; 59(1):100–14 (119 ref.)
Effect of personality disorders on outcome of treatment. Reich JH, et al. **J Nerv Ment Dis** 1991 Feb;179(2):74–82 (36 ref.)
Clinical anxiety and its treatment. Edwards JG.
Neuropeptides 1991 Jul;19 Suppl:1–10 (40 ref.)
Cognitive therapy for anxiety disorders. Oakley ME, et al. **Prog Behav Modif** 1990;25:11–46 (130 ref.)

ANXIETY NEUROSES see **ANXIETY DISORDERS**

ANXIETY STATES, NEUROTIC see **ANXIETY DISORDERS**

ANXIOLYTIC AGENTS see **TRANQUILIZING AGENTS, MINOR**

AORTA

[Right pulmonary artery arising from the proximal ascending aorta. A model of reflex pulmonary hypertension of the left lung?] Benamer H, et al. **Arch Mal Coeur Vaiss** 1991 May;84(5):639–46 (26 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Effects of aging on postsynaptic alpha 1-adrenoceptor mechanisms in rat aorta. Takayanagi I, et al.
Gen Pharmacol 1991;22(2):211–8 (37 ref.)

PATHOLOGY

[Dystrophic aortic insufficiency: influence of dilatation of the ascending aorta on secondary outcome] Michel PL, et al. **Arch Mal Coeur Vaiss** 1991 Apr;84(4):477–82 (30 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Cardiac hypertrophy and aortic distensibility in essential hypertension. Safar ME, et al. **J Cardiovasc Pharmacol** 1987;10 Suppl 6:S86–90 (41 ref.)

SURGERY

The Damus-Stansel-Kaye procedure: anatomical determinants and modifications. DeLeon SY, et al.
Ann Thorac Surg 1991 Sep;52(3):680–7 (23 ref.)
Aortobronchial fistula after an aortic operation. Ishizaki Y, et al. **Ann Thorac Surg** 1990 Dec;50(6):975–7 (8 ref.)
Coarctation: do we need to resect ductal tissue? Jonas RA.
Ann Thorac Surg 1991 Sep;52(3):604–7 (12 ref.)
[A report of successful treatment of mediastinitis and graft infection after ascending and aortic arch reconstruction] Harakawa I, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Oct;38(10):2112–6 (10 ref.) (Eng. Abstr.) **(Jpn)**

AORTA, ABDOMINAL

Intraaortic balloon entrapment—a case report and a review of the literature. Nishizawa J, et al. **Jpn Circ J** 1991 Jun; 55(6):563–6 (9 ref.)
Spontaneous aorto-left renal vein fistula: the "abdominal pain, hematuria, silent left kidney" syndrome. Mansour MA, et al. **Surgery** 1991 Jan;109(1):101–6 (50 ref.)

INJURIES

The effect of prolonged aspirin therapy on experimental balloon-catheter arterial wall injury. Yeager RA, et al.
J Invest Surg 1990;3(1):5–10 (31 ref.)
Analysis of 46 intra-abdominal aortic injuries from blunt trauma: case reports and literature review. Reisman JD, et al. **J Trauma** 1990 Oct;30(10):1294–7 (40 ref.)
[Chronic false aneurysm of the sub-renal abdominal aorta after abdominal contusion] Melki J, et al. **J Mal Vasc** 1990; 15(4):377–9 (15 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Inflammatory abdominal aortic aneurysms: a disease entity? Histological analysis of 60 cases of inflammatory aortic aneurysms of unknown aetiology. Leu HJ.
Virchows Arch [A] 1990;417(5):427–33 (53 ref.)

PHYSIOPATHOLOGY

[Pathogenesis of acquired abdominal aortic aneurysms] Anidjar S, et al. **Presse Med** 1991 May 11;20(18):859–65 (25 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Ureteral obstruction after abdominal aortic surgery. Schein M, et al. **Am J Surg** 1991 Jul;162(1):86–9 (45 ref.)
Chylous ascites following abdominal aortic surgery. Williams RA, et al. **Ann Vasc Surg** 1991 May;5(3):247–52 (20 ref.)
Complex abdominal aortic reconstruction. Lord RS, et al. **Aust N Z J Surg** 1991 Feb;61(2):103–13 (89 ref.)
Spontaneous abdominal arteriovenous fistulae: report of eight cases and review of the literature. Gilling-Smith GL, et al. **Br J Surg** 1991 Apr;78(4):421–5 (89 ref.)
Extracellular fluid and colloid osmotic pressure in abdominal vascular surgery. A study of volume changes. Nielsen OM. **Dan Med Bull** 1991 Feb;38(1):9–21 (192 ref.)
Intestinal ischemia complicating abdominal aortic surgery. Brewster DC, et al. **Surgery** 1991 Apr;109(4):447–54 (36 ref.)
[Intestinal ischemia after surgery of the infrarenal aorta. Apropos of 13 cases] Dahan P, et al. **Ann Chir** 1991; 45(5):402–7 (29 ref.) (Eng. Abstr.) **(Fre)**

AORTA, ASCENDING see **AORTA**

AORTA, DESCENDING see **AORTA, THORACIC**

AORTA, THORACIC

ABNORMALITIES

Vascular rings: 10-year review of imaging. Lowe GM, et al. **Radiographics** 1991 Jul;11(4):637–46 (10 ref.)
Radiographic manifestations of congenital anomalies of the aortic arch. Jaffe RB. **Radiol Clin North Am** 1991 Mar; 29(2):319–34 (22 ref.)
[An operative case of solitary interruption of the aortic arch in adult] Kanoh T, et al. **Kokyu To Junkan** 1991 Apr; 39(4):367–72 (28 ref.) (Eng. Abstr.) **(Jpn)**
[An operative case of vascular ring (Edwards III B type)] Hibi M, et al. **Kyobu Geka** 1991 Jun;44(6):486–8 (20 ref.) (Eng. Abstr.) **(Jpn)**

INJURIES

The normal mediastinum in blunt traumatic rupture of the thoracic aorta and brachiocephalic arteries. Woodring JH.
J Emerg Med 1990 Jul–Aug;8(4):467–76 (72 ref.)
Conservative management of aortic lacerations due to blunt trauma. Fisher RG, et al. **J Trauma** 1990 Dec;30(12):1562–6 (12 ref.)

PATHOLOGY

Malignant myxoid emboli as the presenting feature of primary sarcoma of the aorta (myxoid malignant fibrous histiocytoma): a case report and review of the literature. Tejada E, et al. **Clin Cardiol** 1991 May;14(5):425–30 (28 ref.)
Evaluation of great heart vessels and pulmonary vasculature. Stanford W, et al. **Curr Opin Radiol** 1991 Aug;3(4):533–8 (19 ref.)

SURGERY

Recurrent aortic graft infection following descending thoracic aorta to femoral artery bypass. A case report and

review. Costantino MJ. **J Cardiovasc Surg (Torino)** 1991 Jul-Aug;32(4):477-81 (22 ref.)
Angiosarcoma at the site of a Dacron vascular prosthesis: a case report and literature review. Weiss WM, et al. **J Vasc Surg** 1991 Jul;14(1):87-91 (13 ref.)
Tracheal stenosis by innominate artery compression in infants: surgical treatment in 35 cases. Schuster T, et al. **Prog Pediatr Surg** 1991;27:231-43 (26 ref.)
[A report of successful treatment of mediastinitis and graft infection after ascending and aortic arch reconstruction] Harakawa I, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Oct;38(10):2112-6 (10 ref.) (Eng. Abstr.) **(Jpn)**

AORTIC ANEURYSM

Acute aortic dissection. Asfoura JY, et al. **Chest** 1991 Mar; 99(3):724-9 (21 ref.)
Sinus of Valsalva aneurysms. Goldberg N, et al. **Clin Cardiol** 1990 Dec;13(12):831-6 (41 ref.)
Aortic dissection: diagnosis and management. Neerukonda SK, et al. **Hosp Pract [Off]** 1991 Feb 28;26(2A):66-70, 73-6 (0 ref.)
Abdominal aortic aneurysm: a preventable cause of death? [see comments] Reid DB, et al. **J R Coll Surg Edinb** 1990 Oct;35(5):284-8 (44 ref.) Comment in: J R Coll Surg Edinb 1991 Apr;36(2):141.
[Aneurysm of the abdominal aorta. Description of a case] Stazi C, et al. **Clin Ter** 1991 Mar 15;136(5):333-42 (46 ref.) (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Coagulopathy and abdominal aortic aneurysm. Gibney EJ, et al. **Eur J Vasc Surg** 1990 Dec;4(6):557-62 (44 ref.)
Unusual aspects of aortovenous fistulas associated with ruptured abdominal aortic aneurysms. Calligaro KD, et al. **J Vasc Surg** 1990 Nov;12(5):586-90 (28 ref.)
[Non-ruptured calcified aneurysm of the Valsalva's sinus with angina pectoris and aortic insufficiency. Surgical treatment] Varin J, et al. **Ann Cardiol Angeiol (Paris)** 1990 Sep;39(7):411-5 (13 ref.) (Eng. Abstr.) **(Fre)**
[A double aorto-enteric fistula secondary to an aortic pseudoaneurysm. Its anatomical correction] de Frutos Rincón JL, et al. **Angiologia** 1991 Mar-Apr;43(2):65-8 (25 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Abdominal aortic aneurysm. Reuler JB, et al. **J Gen Intern Med** 1991 Jul-Aug;6(4):360-6 (52 ref.)
Investigation of suspected dissection of the thoracic aorta. Treasure T, et al. **Lancet** 1991 Aug 24;338(8765):490-5 (23 ref.)
Radiologic evaluation of aortic dissection. Petasnick JP. **Radiology** 1991 Aug;180(2):297-305 (110 ref.)
[Abdominal aortic aneurysm and horseshoe kidney. Clinical cases] Giordanengo F, et al. **Minerva Cardioangiol** 1991 Mar;39(3):97-102 (30 ref.) (Eng. Abstr.) **(Ita)**

EPIDEMIOLOGY

Spontaneous abdominal aortic dissection: case report and review. Uchino A, et al. **Radiat Med** 1990 Jul-Aug; 8(4):129-31 (18 ref.)

ETIOLOGY

Late complications involving the ascending aorta after cardiac surgery: recognition and management. Sabri MN, et al. **Am Heart J** 1991 Jun;121(6 (Pt 1)):1779-83 (31 ref.)
Pseudoaneurysm of the abdominal aorta: a case report and review of the literature. Potts RG, et al. **Am J Med Sci** 1991 Apr;301(4):265-8 (25 ref.)
The association between aneurysm formation and systemic hypertension in Takayasu's arteritis. Sharma S, et al. **Clin Radiol** 1990 Sep;42(3):182-7 (16 ref.)
[Chronic false aneurysm of the sub-renal abdominal aorta after abdominal contusion] Melki J, et al. **J Mal Vasc** 1990; 15(4):377-9 (15 ref.) (Eng. Abstr.) **(Fre)**
[Mycotic aneurysm of the sinus of Valsalva and complete atrioventricular block complicating infectious endocarditis with aortic regurgitation: a case report] Abe M, et al. **J Cardiol Suppl** 1991;25:187-94; discussion 195-6 (11 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Inflammatory abdominal aortic aneurysms: a disease entity? Histological analysis of 60 cases of inflammatory aortic aneurysms of unknown aetiology. Leu HJ. **Virchows Arch [A]** 1990;417(5):427-33 (53 ref.)

RADIOGRAPHY

CT of thoracic aortic aneurysms. Posniak HV, et al. **Radiographics** 1990 Sep;10(5):839-55 (67 ref.)

SURGERY

Aortobronchial fistula after an aortic operation. Ishizaki Y, et al. **Ann Thorac Surg** 1990 Dec;50(6):975-7 (8 ref.)
Simultaneous resection of renal carcinoma and abdominal aortic aneurysm. Baskin LS, et al. **Ann Vasc Surg** 1991 Jul;5(4):363-5 (12 ref.)
Complex abdominal aortic reconstruction. Lord RS, et al. **Aust N Z J Surg** 1991 Feb;61(2):103-13 (89 ref.)
Infrarenal abdominal aortic disease: a review of the retroperitoneal approach. Grace PA, et al. **Br J Surg** 1991 Jan;78(1):6-9 (39 ref.)
Aneurysms of the ascending aorta: surgical treatment using hypothermic arrest. Cooley DA. **Cardiology** 1990; 77(5):373-87 (20 ref.)
Risk control and prevention of spinal cord damage due to surgery of thoracoabdominal aneurysms: medicolegal aspects [editorial] de Mol B, et al. **Eur J Cardiothorac Surg** 1991;5(2):57-60 (36 ref.)
Abdominal aortic aneurysm. Reuler JB, et al. **J Gen Intern Med** 1991 Jul-Aug;6(4):360-6 (52 ref.)
Acute mycotic aneurysm of the ascending aorta following aortocoronary bypass: successful repair. Barbie RM, et al. **J Ky Med Assoc** 1991 May;89(5):213-7 (15 ref.)
A unique inlet [the ascending aorta] for extra-anatomic bypass of infected arterial prostheses. Yared SF, et al. **J Ky Med Assoc** 1991 Jun;89(6):274-6 (17 ref.)
Clinical management of the cardiovascular complications of the Marfan syndrome. Gerry JL Jr, et al. **J La State Med Soc** 1991 Mar;143(3):43-51 (26 ref.)
Outcome in vascular surgery. Takolander R. **Qual Assur Health Care** 1990;2(3-4):279-95 (173 ref.)
[Intestinal ischemia after surgery of the infrarenal aorta. Apropos of 13 cases] Dahan P, et al. **Ann Chir** 1991; 45(5):402-7 (29 ref.) (Eng. Abstr.) **(Fre)**
[One-staged surgery for coarctation of the aorta associated with annuloaortic ectasia--a case report] Koyama T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jan; 39(1):128-32 (12 ref.) (Eng. Abstr.) **(Jpn)**
[Surgical or non-surgical abdominal aortic aneurysm--the choice of treatment is based on the size of the aneurysm] Olofsson P, et al. **Lakartidningen** 1990 Oct 31;87(44):3607-9 (16 ref.) **(Swe)**

THERAPY

The diagnosis and management of aortic dissection. Crawford ES. **JAMA** 1990 Nov 21;264(19):2537-41 (37 ref.)

ULTRASONOGRAPHY

Evaluation of aortic dissection by transesophageal echocardiography. Iliceto S, et al. **Cardiologia** 1990 May; 35(5):369-73 (14 ref.)
[Complementary transthoracic and transesophageal echo-doppler in the diagnosis of rupture of the sinus of Valsalva in right heart. Apropos of 4 cases] Jimenez M, et al. **Arch Mal Coeur Vaiss** 1991 Mar;84(3):387-92 (18 ref.) (Eng. Abstr.) **(Fre)**

AORTIC ARCH see **AORTA, THORACIC**

AORTIC ARCH SYNDROMES

COMPLICATIONS

[Aortitis syndrome with aortic regurgitation and bilateral coronary ostial stenosis] Sugimoto T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Apr;39(4):442-6 (15 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

[Interrupted aortic arch. A series of 15 patients] De Brux JL, et al. **Arch Mal Coeur Vaiss** 1991 May;84(5):713-9 (26 ref.) (Eng. Abstr.) **(Fre)**

AORTIC BODIES

PHYSIOLOGY

Correlative contribution of carotid and aortic afferences to the ventilatory chemosensory drive in steady-state normoxia and to the ventilatory chemoreflexes induced by transient hypoxia. Eugenin J, et al. **Arch Biol Med Exp (Santiago)** 1989 Dec;22(4):395-408 (35 ref.)

AORTIC COARCTATION

COMPLICATIONS

[Ruptured cerebral aneurysm associated with coarctation of the aorta] Yoshioka S, et al. **No To Shinkei** 1990 Nov; 42(11):1055-60 (28 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Coarctation: do we need to resect ductal tissue? Jonas RA. **Ann Thorac Surg** 1991 Sep;52(3):604-7 (12 ref.)
Role of balloon angioplasty in the treatment of aortic coarctation. Rao PS, et al. **Ann Thorac Surg** 1991 Sep; 52(3):621-31 (95 ref.)
[Current viewpoints concerning the surgical treatment of aortic coarctation in infants and children] van Son JA, et al. **Ned Tijdschr Geneeskd** 1990 Sep 1;134(35):1682-8 (62 ref.) **(Dut)**
[One-staged surgery for coarctation of the aorta associated with annuloaortic ectasia--a case report] Koyama T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jan; 39(1):128-32 (12 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Role of balloon angioplasty in the treatment of aortic coarctation. Rao PS, et al. **Ann Thorac Surg** 1991 Sep; 52(3):621-31 (95 ref.)

AORTIC DISEASES

Aortoesophageal fistula: a comprehensive review of the literature. Hollander JE, et al. **Am J Med** 1991 Sep; 91(3):279-87 (106 ref.)

CHEMICALLY INDUCED

Angiosarcoma at the site of a Dacron vascular prosthesis: a case report and literature review. Weiss WM, et al. **J Vasc Surg** 1991 Jul;14(1):87-91 (13 ref.)

COMPLICATIONS

A herald bleed: a case of aortoesophageal fistula and a review of the literature. Dores GM, et al. **R I Med J** 1991 Mar; 74(3):123-6 (42 ref.)

DIAGNOSIS

Mesenteric infarction secondary to tumor emboli from primary aortic sarcoma. Guidelines for diagnosis and management. Higgins R, et al. **Cancer** 1991 Oct 1; 68(7):1622-7 (9 ref.)
Evaluation of great heart vessels and pulmonary vasculature. Stanford W, et al. **Curr Opin Radiol** 1991 Aug;3(4):533-8 (19 ref.)
[Cardiac MRI] Richoz B, et al. **Rev Med Suisse Romande** 1991 Apr;111(4):341-7 (21 ref.) **(Fre)**

ETIOLOGY

Aortobronchial fistula after an aortic operation. Ishizaki Y, et al. **Ann Thorac Surg** 1990 Dec;50(6):975-7 (8 ref.)
Acute aortic occlusion secondary to Aspergillus endocarditis in an intravenous drug abuser. Light JT Jr, et al. **Ann Vasc Surg** 1991 May;5(3):271-5 (14 ref.)
Left atrial myxoma metastasizing to the aorta, with intraluminal growth causing renovascular hypertension. Kotani K, et al. **Cardiology** 1991;78(1):72-7 (20 ref.)
[A case of aortoduodenal fistula following radiotherapy of retroperitoneal metastatic disease] Fukasawa H, et al. **Gan To Kagaku Ryoho** 1991 Jan;18(1):119-22 (9 ref.) (Eng. Abstr.) **(Jpn)**
[Case of primary aorto-jejunal fistula caused by gram-positive cocci] Tsukamoto Y, et al. **Nippon Geka Gakkai Zasshi** 1991 Jun;92(6):750-2 (9 ref.) (Eng. Abstr.) **(Jpn)**
[A double aorto-enteric fistula secondary to an aortic pseudoaneurysm. Its anatomical correction] de Frutos Rincón JL, et al. **Angiologia** 1991 Mar-Apr;43(2):65-8 (25 ref.) (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Current role of conventional and digital aortography in the diagnosis of aortic disease. Sanders C. **J Thorac Imaging** 1990 Oct;5(4):48-59 (52 ref.)

SURGERY

Fistulas between the aorta and tracheobronchial tree. MacIntosh EL, et al. **Ann Thorac Surg** 1991 Mar; 51(3):515-9 (53 ref.)
Surgical treatment of primary aortoduodenal fistula. Taheri SA, et al. **Ann Vasc Surg** 1991 May;5(3):265-70 (58 ref.)
Infrarenal abdominal aortic disease: a review of the retroperitoneal approach. Grace PA, et al. **Br J Surg** 1991 Jan;78(1):6-9 (39 ref.)
Clinical and anatomical considerations for surgery in aortoiliac disease and results of surgical treatment. Brewster DC. **Circulation** 1991 Feb;83(2 Suppl):I42-52 (55 ref.)
[Suppurative complications in reconstructive surgery of the aorta and arteries of the lower extremities] Genyk SN, et al. **Khirurgiia (Mosk)** 1990 Nov;(11):147-50 (51 ref.) **(Rus)**

AORTIC INCOMPETENCE see **AORTIC VALVE INSUFFICIENCY**

AORTIC RUPTURE

COMPLICATIONS

Unusual aspects of aortovenous fistulas associated with ruptured abdominal aortic aneurysms. Calligaro KD, et al. **J Vasc Surg** 1990 Nov;12(5):586-90 (28 ref.)

RADIOGRAPHY

The normal mediastinum in blunt traumatic rupture of the thoracic aorta and brachiocephalic arteries. Woodring JH. **J Emerg Med** 1990 Jul-Aug;8(4):467-76 (72 ref.)

SURGERY

[A case of thoracoabdominal aortic aneurysm ruptured into the right extrapleural cavity] Obayashi T, et al. **Kyobu Geka** 1990 Oct;43(11):924-8 (16 ref.) (Eng. Abstr.) **(Jpn)**
[A successful surgical case of ruptured thoracoabdominal aneurysm] Tashiro T, et al. **Kyobu Geka** 1990 Sep;

43(10):839–42 (13 ref.) (Eng. Abstr.) **(Jpn)**
[Spontaneous rupture of the ascending aorta—a case report of successfully treated by surgery] Ando N, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jan;39(1):116–9 (7 ref.) (Eng. Abstr.) **(Jpn)**
[A case report of traumatic transection of the aortic arch] Hiranaka T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Sep;38(9):1475–8 (12 ref.) (Eng. Abstr.) **(Jpn)**

AORTIC SINUS see **SINUS OF VALSALVA**

AORTIC STENOSIS see **AORTIC VALVE STENOSIS**

AORTIC STENOSIS, SUPRAVALVULAR see **AORTIC VALVE STENOSIS**

AORTIC VALVE

Four-year follow-up of a pseudoaneurysm of the mitral-aortic fibrosa. Meyerowitz CB, et al. **Am Heart J** 1991 Aug;122(2):589–92 (11 ref.)
Anesthetic management of a hypothyroid cardiac surgical patient. Whitten CW, et al. **J Cardiothorac Vasc Anesth** 1991 Apr;5(2):156–9 (28 ref.)

ABNORMALITIES

Quadricuspid aortic valve and aortic regurgitation diagnosed by Doppler echocardiography: report of two cases and review of the literature. Barbosa MM, et al. **J Am Soc Echocardiogr** 1991 Jan–Feb;4(1):69–74 (36 ref.)
[The bicuspid aortic valve: a "minor" congenital cardiopathy at risk of serious complications] Giusti S, et al. **G Ital Cardiol** 1991 Feb;21(2):189–201 (75 ref.) **(Ita)**

AORTIC VALVE INCOMPETENCE see **AORTIC VALVE INSUFFICIENCY**

AORTIC VALVE INSUFFICIENCY

COMPLICATIONS

[Non-ruptured calcified aneurysm of the Valsalva's sinus with angina pectoris and aortic insufficiency. Surgical treatment] Varin J, et al. **Ann Cardiol Angeiol (Paris)** 1990 Sep;39(7):411–5 (13 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Aortic valve insufficiency. Diagnosis, course, therapy] Klepzig H, et al. **Fortschr Med** 1991 May 20;109(15):313–6 (55 ref.) (Eng. Abstr.) **(Ger)**
[Judging the severity of regurgitation in acquired heart defects using color-coded Doppler echocardiography] Forster T, et al. **Orv Hetil** 1991 Aug 4;132(31):1683–8 (27 ref.) (Eng. Abstr.) **(Hun)**

DRUG THERAPY

Medical therapy for patients with aortic insufficiency. Greenberg BH. **Cardiol Clin** 1991 May;9(2):255–70 (43 ref.)

ETIOLOGY

[Periarteritis nodosa with heart valve disease disclosed by occlusion of the central artery of the retina] Laraki R, et al. **Rev Med Interne** 1989 Nov–Dec;10(6):570–4 (33 ref.) (Eng. Abstr.) **(Fre)**
[Heart valve lesions in rheumatoid polyarthritis. Apropos of 2 cases] Beauvais C, et al. **Rev Rhum Mal Osteoartic** 1991 Jan;58(1):47–51 (21 ref.) **(Fre)**
[Mycotic aneurysm of the sinus of Valsalva and complete atrioventricular block complicating infectious endocarditis with aortic regurgitation: a case report] Abe M, et al. **J Cardiol Suppl** 1991;25:187–94; discussion 195–6 (11 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

[Dystrophic aortic insufficiency: influence of dilatation of the ascending aorta on secondary outcome] Michel PL, et al. **Arch Mal Coeur Vaiss** 1991 Apr;84(4):477–82 (30 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Therapy of acute aortic regurgitation. Cohn LH, et al. **Cardiol Clin** 1991 May;9(2):339–52 (80 ref.)
Long-term results of aortic valve replacement. Crumbley AJ 3d, et al. **Cardiol Clin** 1991 May;9(2):353–80 (161 ref.)
Chronic aortic and mitral regurgitation. Choosing the optimal time for surgical correction. Zile MR. **Cardiol Clin** 1991 May;9(2):239–53 (134 ref.)
[Aortitis syndrome with aortic regurgitation and bilateral coronary ostial stenosis] Sugimoto T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Apr;39(4):442–6 (15 ref.) (Eng. Abstr.) **(Jpn)**

ULTRASONOGRAPHY

Quadricuspid aortic valve and aortic regurgitation diagnosed by Doppler echocardiography: report of two cases and review of the literature. Barbosa MM, et al. **J Am Soc Echocardiogr** 1991 Jan–Feb;4(1):69–74 (36 ref.)

AORTIC VALVE STENOSIS

see related **CARDIOMYOPATHY, HYPERTROPHIC**

Degenerative aortic stenosis. One effect of the graying of America. O'Keefe JH Jr, et al. **Postgrad Med** 1991 Feb 1;89(2):143–6,151–4 (27 ref.)

COMPLICATIONS

[Colonic angiodysplasia with chronic digestive hemorrhage cured after valvular replacement for aortic valve stenosis] Obadia JF, et al. **Arch Mal Coeur Vaiss** 1991 Apr;84(4):569–72 (26 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Timing of surgery in mitral and aortic stenosis. Carabello BA. **Cardiol Clin** 1991 May;9(2):229–38 (65 ref.)
Long-term results of aortic valve replacement. Crumbley AJ 3d, et al. **Cardiol Clin** 1991 May;9(2):353–80 (161 ref.)
[Severe calcified aortic stenosis in patients aged 80 or older. Apropos of 65 cases surgically treated] Deleuze P, et al. **Arch Mal Coeur Vaiss** 1991 Mar;84(3):329–33 (22 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Aortic valvuloplasty. Safian RD, et al. **Cardiol Clin** 1991 May;9(2):289–99 (42 ref.)
[Percutaneous aortic valvuloplasty as a last resort in patients with critical aortic valve stenosis] Cribier A, et al. **Arch Mal Coeur** 1990 Nov;83(12):1783–90 (17 ref.) (Eng. Abstr.) **(Fre)**
[Current state of interventional measures in cardiology] Klein W, et al. **Wien Med Wochenschr** 1991;141(3):41–3 (24 ref.) (Eng. Abstr.) **(Ger)**
[Balloon catheter valvuloplasty for calcified aortic stenosis in adults. Report of a case and review of the literature] López Cuellar M, et al. **Arch Inst Cardiol Mex** 1991 Mar–Apr;61(2):123–7 (10 ref.) (Eng. Abstr.) **(Spa)**

ULTRASONOGRAPHY

Evolution of the continuity equation in the Doppler echocardiographic assessment of the severity of valvular aortic stenosis. Taylor R. **J Am Soc Echocardiogr** 1990 Jul–Aug;3(4):326–30 (23 ref.)
[Doppler echocardiography in right and left obstructive cardiopathies] Izquierdo Riezu M, et al. **An Esp Pediatr** 1991 Apr;34(4):283–7 (23 ref.) (Eng. Abstr.) **(Spa)**

AORTITIS

COMPLICATIONS

[Case of primary aorto-jejunal fistula caused by gram-positive cocci] Tsukamoto Y, et al. **Nippon Geka Gakkai Zasshi** 1991 Jun;92(6):750–2 (9 ref.) (Eng. Abstr.) **(Jpn)**

ETIOLOGY

[Suppurative complications in reconstructive surgery of the aorta and arteries of the lower extremities] Genyk SN, et al. **Khirurgiia (Mosk)** 1990 Nov;(11):147–50 (51 ref.) **(Rus)**

PATHOLOGY

Inflammatory abdominal aortic aneurysms: a disease entity? Histological analysis of 60 cases of inflammatory aortic aneurysms of unknown aetiology. Leu HJ. **Virchows Arch [A]** 1990;417(5):427–33 (53 ref.)

SURGERY

[A report of successful treatment of mediastinitis and graft infection after ascending and aortic arch reconstruction] Harakawa I, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Oct;38(10):2112–6 (10 ref.) (Eng. Abstr.) **(Jpn)**
[Surgical treatment of patients with nonspecific aorto-arteritis of the brachiocephalic branches of the aortic arch] Zotikov AE. **Khirurgiia (Mosk)** 1990 Nov;(11):150–3 (56 ref.) **(Rus)**

AORTITIS SYNDROME see **AORTIC ARCH SYNDROMES**

AORTOCORONARY BYPASS see **CORONARY ARTERY BYPASS**

AORTOGRAPHY

Current role of conventional and digital aortography in the diagnosis of aortic disease. Sanders C. **J Thorac Imaging** 1990 Oct;5(4):48–59 (52 ref.)
Radiographic manifestations of congenital anomalies of the aortic arch. Jaffe RB. **Radiol Clin North Am** 1991 Mar;29(2):319–34 (22 ref.)

APATITES

METABOLISM

Defenses of an unstable compromise: crystallization inhibitors and the kidney's role in mineral regulation. Coe F, et al. **Kidney Int** 1990 Oct;38(4):625–31 (24 ref.)

APC VIRUSES see **ADENOVIRUSES, HUMAN**

APE, BARBARY see **MACACA**

APERT SYNDROME see **ACROCEPHALOSYNDACTYLIA**

APES see **PONGIDAE**

APHAKIA, POSTCATARACT

THERAPY

Contact lenses for the correction of pediatric aphakia. Epstein RJ. **Int Ophthalmol Clin** 1991 Spring;31(2):53–60 (28 ref.)

APHANIPTERA see **FLEAS**

APHASIA

DIAGNOSIS

Quantitative electroencephalography and anatomoclinical principles of aphasia. A validation study. Finitzo T, et al. **Ann N Y Acad Sci** 1991;620:57–72 (21 ref.)
Mixed transcortical aphasia: clinical features and neuroanatomical correlates. A possible role of the right hemisphere. Grossi D, et al. **Eur Neurol** 1991;31(4):204–11 (31 ref.)

ETIOLOGY

[Status epilepticus with aphasic manifestation] Thomas P, et al. **Rev Neurol (Paris)** 1991;147(3):246–50 (22 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

[Different clinical types of degenerative aphasia] Croisile B, et al. **Rev Neurol (Paris)** 1991;147(3):192–9 (52 ref.) (Eng. Abstr.) **(Fre)**

APHASIA, ACQUIRED

METABOLISM

Brain-behavior relationships in aphasia studied by positron emission tomography. Metter EJ. **Ann N Y Acad Sci** 1991; 620:153–64 (49 ref.)

PHYSIOPATHOLOGY

Are frequent spike-waves during non-REM sleep in relation with an acquired neuro-psychological deficit in epileptic children? Billard C, et al. **Neurophysiol Clin** 1990 Dec; 20(6):439–53 (17 ref.)

APHASIA, BROCA

DIAGNOSIS

Agrammatism is a theoretically coherent aphasic category [comment] Caplan D. **Brain Lang** 1991 Feb;40(2):274–81 (23 ref.) Comment on: Brain Lang 1989 Apr;36(3):447–92.
Real-time examinations of lexical processing in aphasics. Prather P, et al. **J Psycholinguist Res** 1991 May; 20(3):271–81 (25 ref.)

PSYCHOLOGY

On deriving the properties of agrammatic comprehension. Frazier L, et al. **Brain Lang** 1991 Jan;40(1):51–66 (39 ref.)

APHASIA, CHILDHOOD

ETIOLOGY

Developmental dysphasia: clinical importance and underlying neurological causes. Njiokiktjien C. **Acta Paedopsychiatr** 1990;53(2):126–37 (80 ref.)

APHASIA, EXPRESSIVE see **APHASIA, BROCA**

APHASIA, FLUENT see **APHASIA, WERNICKE**

APHASIA, MOTOR see **APHASIA, BROCA**

APHASIA, NONFLUENT see **APHASIA, BROCA**

APHASIA, RECEPTIVE see **APHASIA, WERNICKE**

APHASIA, SENSORY see **APHASIA, WERNICKE**

APHASIA TESTS see **NEUROPSYCHOLOGICAL TESTS**

APHASIA, WERNICKE

PSYCHOLOGY

Cognitive neuropsychology. Resolving enigmas about Wernicke's aphasia and other higher cortical disorders. Margolin DI. **Arch Neurol** 1991 Jul;48(7):751–65 (206 ref.)

APHERESIS see BLOOD COMPONENT REMOVAL

APHIDS

MICROBIOLOGY

The molecular biology of symbiotic bacteria of aphididae. Ishikawa H, et al. **Microbiol Sci** 1986 Apr;3(4):117–20 (25 ref.)

The involvement of a helper component in nonpersistent transmission of plant viruses by aphids. Pirone TP, et al. **Microbiol Sci** 1984 Nov;1(8):191–3 (18 ref.)

APHRODISIACS

[Aphrodisiacs in gynecology] Uzel R, et al. **Cesk Gynekol** 1990 Aug;55(7):525–30 (15 ref.) **(Cze)**

APHTHAE see STOMATITIS, APHTHOUS

APIS VENOMS see BEE VENOMS

APLYSIA

METABOLISM

Direct opening of S-type K+ channels of Aplysia sensory neurons by 12-lipoxygenase metabolites. Volterra A, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:727–30 (10 ref.)

PHYSIOLOGY

The regulation of excitability by second messengers and protein kinases in peptidergic neurons of Aplysia. Fisher TE, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:41–4 (13 ref.)

Neural and molecular bases of nonassociative and associative learning in Aplysia. Byrne JH, et al. **Ann N Y Acad Sci** 1991;627:124–49 (79 ref.)

Slugfest at the harbor. Cell and Molecular Neurobiology of Aplysia sponsored by Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, USA, October 3–7, 1990. Koester J. **New Biol** 1991 Mar;3(3):237–42 (0 ref.)

Synaptic plasticity and behavioral modifications in the marine mollusk Aplysia. Castellucci VF, et al. **Prog Brain Res** 1990;86:105–15 (72 ref.)

Common patterns of plasticity contributing to nociceptive sensitization in mammals and Aplysia. Woolf CJ, et al. **Trends Neurosci** 1991 Feb;14(2):74–8 (60 ref.)

APNEA

CHEMICALLY INDUCED

Phenothiazine-associated apnea in two siblings. Buck ML, et al. **DICP** 1991 Mar;25(3):244–7 (18 ref.)

[Succinylcholine apnea] Carrasco MS, et al. **Rev Esp Anestesiol Reanim** 1990 Nov–Dec;37(6):346–55 (56 ref.) **(Spa)**

DIAGNOSIS

[Infant apnea. Its evaluation and treatment. III] Târdea A. **Pediatrie** 1990 Apr–Jun;39(2):137–50 (58 ref.) (Eng. Abstr.) **(Rum)**

ETIOLOGY

Interference between gastroesophageal reflux and sleep in near miss SIDS. Gaultier CL. **Clin Rev Allergy** 1990 Winter;8(4):395–401 (27 ref.)

Brainstem germinoma presenting as intermittent apnoea: a rare entity: report of one patient and review of literature. Poungvarin N, et al. **J Med Assoc Thai** 1991 Jan;74(1):55–60 (12 ref.)

[Infantile apnea. The etiopathogenic aspects. I.] Târdea A. **Rev Pediatr Obstet Ginecol [Pediatr]** 1989 Oct–Dec; 38(4):313–24 (0 ref.) (Eng. Abstr.) **(Rum)**

PHYSIOPATHOLOGY

Pathophysiology of apnoea in preterm infants. Ruggins NR. **Arch Dis Child** 1991 Jan;66(1 Spec No):70–3 (37 ref.)

Respiratory control and stimulation of spontaneous breathing. Lagercrantz H. **Int J Technol Assess Health Care** 1991;7 Suppl 1:47–51 (30 ref.)

APNEA, CENTRAL see SLEEP APNEA SYNDROMES

APNEA, OBSTRUCTIVE see SLEEP APNEA SYNDROMES

APNEA, SLEEP see SLEEP APNEA SYNDROMES

APO A see APOLIPOPROTEINS A

APO B see APOLIPOPROTEINS B

APO E see APOLIPOPROTEINS E

APOCRINE GLANDS

Pure apocrine nevus. A study of light-microscopic and immunohistochemical features of a rare tumor. Ando K, et al. **Am J Dermatopathol** 1991 Feb;13(1):71–6 (12 ref.)

APODEMUS see MURIDAE

APOLIPOPROTEIN A see APOLIPOPROTEINS A

APOLIPOPROTEIN B see APOLIPOPROTEINS B

APOLIPOPROTEIN E see APOLIPOPROTEINS E

APOLIPOPROTEINS

BLOOD

Apolipoproteins and risk of coronary heart disease. Connelly PW. **Can Med Assoc J** 1991 May 15;144(10):1277 (6 ref.)

The role of lipoproteins and apolipoproteins in prediction of coronary heart disease risk. Breckenridge WC. **Clin Invest Med** 1990 Aug;13(4):196–201 (55 ref.)

CHEMISTRY

The apoB 100-apo(a) complex: relation to triglyceride-rich particles. Scanu AM, et al. **Adv Exp Med Biol** 1991; 285:295–8 (22 ref.)

GENETICS

Transcriptional regulation of the human apolipoprotein genes. Zannis VI, et al. **Adv Exp Med Biol** 1991;285:1–23 (93 ref.)

METABOLISM

Kinetics of heterogeneous populations of particles. Malmendier GL, et al. **Adv Exp Med Biol** 1991;285:223–32 (24 ref.)

The lipid surface of triglyceride-rich particles can modulate (apo)protein binding and tissue uptake. Small DM, et al. **Adv Exp Med Biol** 1991;285:281–8 (28 ref.)

Hyperlipidaemia in diabetes. Taskinen MR. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):743–75 (185 ref.)

Pre-translational, translational, and post-translational mechanisms in adaptation of intestinal proteins. Alpers DH. **Digestion** 1990;46 Suppl 2:50–8 (39 ref.)

Apolipoproteins and metabolism in atherosclerosis. Gotto AM Jr. **Trans Am Clin Climatol Assoc** 1989;101:46–57; discussion 57–8 (19 ref.)

[Intestinal apolipoprotein metabolism] Steinmetz A. **Klin Wochenschr** 1990;68 Suppl 22:12–8 (24 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Further insights into the pathophysiology of hyperapobetalipoproteinemia: role of basic proteins I, II, III. Kwiterovich PO Jr, et al. **Clin Chem** 1991 Mar; 37(3):317–26 (46 ref.)

APOLIPOPROTEINS A

BLOOD

The unique lipoprotein(a): properties and immunochemical measurement. Albers JJ, et al. **Clin Chem** 1990 Dec; 36(12):2019–26 (90 ref.)

[Standardization of the immunochemical detection of apolipoprotein A-I and B] Dati F, et al. **Behring Inst Mitt** 1990 Oct;(86):116–28 (30 ref.) (Eng. Abstr.) **(Ger)**

[Distribution of apolipoprotein A I and B in the blood according to age and gender, as well as their relation to blood cholesterol levels in the Hungarian blood donor population] Császár A, et al. **Orv Hetil** 1991 Aug 18; 132(33):1795–800 (30 ref.) (Eng. Abstr.) **(Hun)**

GENETICS

The Apo(a) gene: structure/function relationships and the possible link with thrombotic atheromatous disease. Rees A, et al. **Br Med Bull** 1990 Oct;46(4):873–90 (62 ref.)

ISOLATION & PURIFICATION

[What do we know about lipoproteins containing apo A-I?] Barkia A. **Ann Biol Clin (Paris)** 1990;48(8):529–35 (53 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Binding of apolipoproteins A to adipose cells: role of receptor sites in cholesterol efflux and purification of binding protein(s). Barbaras R, et al. **Adv Exp Med Biol** 1991; 285:85–92 (28 ref.)

PHYSIOLOGY

Metabolic role of human apoprotein A-IV. Lagrost L, et al. **Adv Exp Med Biol** 1991;285:109–15 (16 ref.)

APOLIPOPROTEINS B

Recent progress in understanding apolipoprotein B. Young SG. **Circulation** 1990 Nov;82(5):1574–94 (166 ref.)

BIOSYNTHESIS

What is meant by overproduction of apo B-containing lipoproteins? Grundy SM, et al. **Adv Exp Med Biol** 1991; 285:213–22 (31 ref.)

BLOOD

apoB-containing lipoprotein particles as risk factors for coronary artery disease. Alaupovic P, et al. **Adv Exp Med Biol** 1991;285:299–309 (41 ref.)

[Standardization of the immunochemical detection of apolipoprotein A-I and B] Dati F, et al. **Behring Inst Mitt** 1990 Oct;(86):116–28 (30 ref.) (Eng. Abstr.) **(Ger)**

[Distribution of apolipoprotein A I and B in the blood according to age and gender, as well as their relation to blood cholesterol levels in the Hungarian blood donor population] Császár A, et al. **Orv Hetil** 1991 Aug 18; 132(33):1795–800 (30 ref.) (Eng. Abstr.) **(Hun)**

CHEMISTRY

Investigation of structural domains in human serum low density lipoprotein apolipoprotein B100. Djavaheri M, et al. **Adv Exp Med Biol** 1991;285:39–48 (27 ref.)

Implications of thiolester linked fatty acids in apolipoprotein B. Lee DM. **Adv Exp Med Biol** 1991;285:49–58 (38 ref.)

The apoB 100-apo(a) complex: relation to triglyceride-rich particles. Scanu AM, et al. **Adv Exp Med Biol** 1991; 285:295–8 (22 ref.)

GENETICS

Mutations and variants of apolipoprotein B that affect plasma cholesterol levels. Innerarity TL, et al. **Adv Exp Med Biol** 1991;285:25–31 (34 ref.)

Atherogenic lipoproteins resulting from genetic defects of apolipoproteins B and E. Weisgraber KH, et al. **Ann N Y Acad Sci** 1990;598:37–48 (44 ref.)

Genetics of familial hypercholesterolemia. Chan L. **Beitr Infusionther** 1988;23:8–17 (42 ref.)

Familial defective apolipoprotein B-100: a mutation of apolipoprotein B that causes hypercholesterolemia. Innerarity TL, et al. **J Lipid Res** 1990 Aug;31(8):1337–49 (77 ref.)

[Apolipoprotein B100 and LDL receptors: genetic and metabolic aspects] Chapman MJ. **Journ Annu Diabetol Hotel Dieu** 1991;:35–7 (2 ref.) **(Fre)**

METABOLISM

Kinetic studies of the origin of apolipoprotein (apo) B-100 in low density lipoproteins of normal and Watanabe heritable hyperlipidemic (WHHL) rabbits. Havel RJ, et al. **Adv Exp Med Biol** 1991;285:245–55 (20 ref.)

[Conformational changes in lipoproteins containing apo B: significance of monoclonal antibodies] Harduin P, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:25–34 (30 ref.) **(Fre)**

SECRETION

Oleic acid stimulation of apolipoprotein B secretion. **Nutr Rev** 1990 Nov;48(11):419–21 (10 ref.)

APOLIPOPROTEINS E

GENETICS

Atherogenic lipoproteins resulting from genetic defects of apolipoproteins B and E. Weisgraber KH, et al. **Ann N Y Acad Sci** 1990;598:37–48 (44 ref.)

METABOLISM

[Characterization of lipoprotein catabolism in biliary cholesterol hypersecretion conditions in rats] Paz Marzolo M, et al. **Arch Biol Med Exp (Santiago)** 1989 Dec; 22(4):361–74 (52 ref.) (Eng. Abstr.) **(Spa)**

APOPLEXY see CEREBROVASCULAR DISORDERS

APOPLEXY, PITUITARY see PITUITARY APOPLEXY

APOPROTEINS

PHYSIOLOGY

[Recent advances in pulmonary surfactant research with special reference to surfactant apoproteins] Akino T, et al. **Kokyu To Junkan** 1990 Aug;38(8):722–35 (79 ref.) **(Jpn)**

APPARATUS AND INSTRUMENTS see EQUIPMENT AND SUPPLIES

APPENDICEAL NEOPLASMS

BLOOD

A case of primary mucinous cystadenocarcinoma of the appendix with elevated serum carcinoembryonic antigen (CEA). Noritake N, et al. **Jpn J Med** 1990 Nov–Dec; 29(6):642–6 (23 ref.)

DRUG THERAPY

Intraperitoneal chemotherapy for peritoneal carcinomatosis from colonic or appendiceal cystadenocarcinoma: rationale and results of treatment. Sugarbaker PH, et al. **Prog Clin Biol Res** 1990;354B:141–70 (10 ref.)

ETIOLOGY

[Inflammatory pseudotumor of the appendix. Apropos of a case. Review of the literature] Jougon J, et al. **J Chir (Paris)** 1991 Feb;128(2):86–8 (14 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

[A primary malignant lymphoma of the appendix] Shimada K, et al. **Gan No Rinsho** 1990 Sep;36(11):2086–91 (28 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

[Carcinoid tumor of the appendix. Review in connection with a clinical case] Domínguez Cunchillos M, et al. **An Esp Pediatr** 1990 Oct;33(4):381–3 (14 ref.) **(Spa)**

APPENDICITIS

COMPLICATIONS

Recurrent abdominal pain due to chronic appendiceal disease. Seidman JD, et al. **South Med J** 1991 Jul;84(7):913–6 (23 ref.)

Acute urinary retention in a child with appendiceal abscess: diagnostic dilemma. Noble J, et al. **Urology** 1990 Dec; 36(6):513–5 (13 ref.)

[Inflammatory pseudotumor of the appendix. Apropos of a case. Review of the literature] Jougon J, et al. **J Chir (Paris)** 1991 Feb;128(2):86–8 (14 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Current status of imaging in the diagnosis of acute appendicitis. Chaudhuri TK, et al. **Am J Physiol Imaging** 1990;5(2):89–96 (37 ref.)

ETIOLOGY

Tuberculous appendicitis with perforation. al-Hilaly MA, et al. **Br J Clin Pract** 1990 Dec;44(12):632–3 (7 ref.)

PARASITOLOGY

[Anisakiasis as a cause of acute appendicitis and rheumatologic picture: the first case in medical literature] Arenal Vera JJ, et al. **Rev Esp Enferm Dig** 1991 May; 79(5):355–8 (22 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Appendicitis in children: current therapeutic recommendations. Neilson IR, et al. **J Pediatr Surg** 1990 Nov;25(11):1113–6 (16 ref.)

APPENDIX

Complete appendicular inversion: the "inside-out" appendix. An unusual presentation of Crohn's disease. A case report and review of the literature. Solomon DJ, et al. **J Belge Radiol** 1991 Mar;74(2):115–6 (8 ref.)

[Gelatinous disease of the peritoneum of appendiceal origin. Apropos of 2 Senegalese cases] Peghini M, et al. **Dakar Med** 1989;34(1–4):8–11 (7 ref.) (Eng. Abstr.) **(Fre)**

APPETITE

DRUG EFFECTS

[The role of serotonin in normal appetite regulation and in the pathogenesis of anorexia/bulimia] Spigset O. **Nord Med** 1990;105(11):292–7 (15 ref.) (Eng. Abstr.) **(Nor)**

GENETICS

Salt appetite, body sodium, handling of a NaCl load, renin, and aldosterone in genetically and spontaneously hypertensive rats. Ledingham JM, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S6–8 (10 ref.)

PHYSIOLOGY

Serotonin and appetite. Curzon G. **Ann N Y Acad Sci** 1990; 600:521–30; discussion 530–1 (69 ref.)

Biochemical aspects of bulimia nervosa. Goldbloom DS, et al. **J Psychosom Res** 1991;35 Suppl 1:11–22 (92 ref.)

On the waterfront: predictive and reactive regulatory descriptions of thirst and sodium appetite. Rowland NE. **Physiol Behav** 1990 Dec;48(6):899–903 (29 ref.)

APPETITE DEPRESSANTS

A review of the physiological bases of the anorexic action of phenylpropanolamine (d,l-norephedrine). Wellman PJ. **Neurosci Biobehav Rev** 1990 Fall;14(3):339–55 (112 ref.)

PHARMACOLOGY

Central receptors and recognition sites mediating the effects of monoamines and anorectic drugs on feeding behavior. Angel I. **Clin Neuropharmacol** 1990 Oct;13(5):361–91 (283 ref.)

The pharmacology of the anorexic effect of phenylpropanolamine. Wellman PJ. **Drugs Exp Clin Res** 1990;16(9):487–95 (42 ref.)

Pharmacological approaches to appetite suppression. Blundell J. **Trends Pharmacol Sci** 1991 Apr;12(4):147–57 (48 ref.)

THERAPEUTIC USE

Mechanisms of action in cognitive-behavioral and pharmacological interventions for obesity and bulimia nervosa. Craighead LW, et al. **J Consult Clin Psychol** 1991 Feb;59(1):115–25 (77 ref.)

APPETITE DISORDERS see **EATING DISORDERS**

APPETITE REGULATION

PHYSIOLOGY

A re-assessment of the regulation of adiposity and appetite by the brain insulin system. Woods SC, et al. **Int J Obes** 1990;14 Suppl 3:69–73; discussion 74–6 (34 ref.)

APPETITE SUPPRESSANTS see **APPETITE DEPRESSANTS**

APPETITIVE BEHAVIOR

see related
CEREMONIAL

The time window of feeding. Collier G, et al. **Physiol Behav** 1990 Dec;48(6):771–7 (49 ref.)

APPLE see **FRUIT**

APPROPRIATENESS REVIEW see **REGIONAL HEALTH PLANNING**

APRAXIA

DIAGNOSIS

[Slowly progressive apraxia: a MRI and positron tomography in 4 cases] Léger JM, et al. **Rev Neurol (Paris)** 1991; 147(3):183–91 (23 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

[Visuo-constructional disorders and alexia-agraphia associated with posterior cortical atrophy] Croisile B, et al. **Rev Neurol (Paris)** 1991;147(2):138–43 (31 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Associative agnosias and the functions of the left hemisphere. Goldberg E. **J Clin Exp Neuropsychol** 1990 Aug; 12(4):467–84 (90 ref.)

APRICOT see **FRUIT**

APRINDINE

ADVERSE EFFECTS

Agranulocytosis associated with aprindine and other antiarrhythmic drugs: an epidemiological approach. Ibáñez L, et al. **Eur Heart J** 1991 May;12(5):639–41 (19 ref.)

APROTININ

THERAPEUTIC USE

The serine antiprotease aprotinin (Trasylol): a novel approach to reducing postoperative bleeding. Royston D. **Blood Coagul Fibrinolysis** 1990 Mar-Apr;1(1):55–69 (74 ref.)

Aprotinin, erythropoietin, and blood substitutes. D'Ambra MN, et al. **Int Anesthesiol Clin** 1990 Fall;28(4):237–40 (20 ref.)

[Effect of acute aprotinin (Gordox) therapy on hemostasis in heart surgery patients, with special reference to hyperfibrinolysis] Szécsi J, et al. **Orv Hetil** 1990 Dec 23; 131(51):2809–14 (44 ref.) (Eng. Abstr.) **(Hun)**

APSAC see **ANISTREPLASE**

APTITUDE

Treatment of Aptitude X Treatment interactions. Smith B, et al. **J Consult Clin Psychol** 1991 Apr;59(2):233–44 (60 ref.)

Aptitude-treatment interaction as a framework for research on individual differences in psychotherapy. Snow RE. **J Consult Clin Psychol** 1991 Apr;59(2):205–16 (60 ref.)

Gender and the influence of evaluations on self-assessments in achievement settings. Roberts TA. **Psychol Bull** 1991 Mar;109(2):297–308 (110 ref.)

APUD CELLS

CHEMISTRY

The cytochemistry and ultrastructure of polypeptide hormone-producing cells of the APUD series and the embryologic, physiologic and pathologic implications of the concept. Pearse AG. **J Histochem Cytochem** 1969 May; 17(5):303–13 (39 ref.)

CYTOLOGY

[Pit cells—a tissue form of large granule-containing lymphocytes with natural killer activity] Berezhov NV. **Arkh Anat Gistol Embriol** 1991 Mar;100(3):5–15 (89 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Allergy and the endocrine system of the gastrointestinal tract] Nogaller AM, et al. **Klin Med (Mosk)** 1991 Apr; 69(4):17–23 (48 ref.) **(Rus)**

METABOLISM

[APUD amyloidosis] Takano K, et al. **Nippon Rinsho** 1991 Apr;49(4):950–5 (8 ref.) **(Jpn)**

PATHOLOGY

[Study of the relations between small cell lung cancer and the APUd system based on the analysis of clinical, biological and molecular-genetic properties] Słodkowska J. **Postepy Hig Med Dosw** 1989;43(5–6):499–510 (77 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Endocrine tumours of neural crest origin: neurolophomas, apudomas and the APUD concept. Pearse AG, et al. **Med Biol** 1974 Feb;52(1):3–18 (65 ref.)

[The APUD system and the prospects for using neuropeptides in the clinic (a review of the literature)] Pisarev AA, et al. **Vrach Delo** 1990 Oct;(10):69–75 (55 ref.) **(Rus)**

APUDOMA

PATHOLOGY

Endocrine tumours of neural crest origin: neurolophomas, apudomas and the APUD concept. Pearse AG, et al. **Med Biol** 1974 Feb;52(1):3–18 (65 ref.)

[Primary apudomas of the liver] Grigor'ev BA. **Arkh Patol** 1990;52(10):40–5 (20 ref.) (Eng. Abstr.) **(Rus)**

AQUEDUCT OF SYLVIUS see **CEREBRAL AQUEDUCT**

AQUEOUS HUMOR

CHEMISTRY

[Ciprofloxacin: intraocular absorption in man] Bron A, et al. **Bull Soc Ophtalmol Fr** 1990 Aug-Sep;90(8–9):805–6, 809–11 (13 ref.) (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

[Mechanism of action of beta-blockers] Martin X. **Ophtalmologie** 1990 Mar-Apr;4(2):154–5 (30 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Use of quinolones for treatment of ear and eye infections. Barza M. **Eur J Clin Microbiol Infect Dis** 1991 Apr; 10(4):296–303 (25 ref.)

PHYSIOLOGY

Measurement of the rate of aqueous humor flow. Smith SD. **Yale J Biol Med** 1991 Jan-Feb;64(1):89–102 (33 ref.)

ARA-A see **VIDARABINE**

ARA-AMP see **ARABINOFURANOSYLADENINE MONOPHOSPHATE**

ARA-C see **CYTARABINE**

ARA-U see **ARABINOFURANOSYLURACIL**

ARABINOFURANOSYLADENINE see **VIDARABINE**

ARABINOFURANOSYLADENINE MONOPHOSPHATE

ANALOGS & DERIVATIVES

Fludarabine phosphate: a synthetic purine antimetabolite with significant activity against lymphoid malignancies. Chun HG, et al. **J Clin Oncol** 1991 Jan;9(1):175–88 (96 ref.)

Issues for the future development of fludarabine phosphate. Cheson BD. **Semin Oncol** 1990 Oct;17(5 Suppl 8):71–8 (35 ref.)

Fludarabine phosphate therapy in other lymphoid

malignancies. Kantarjian HM, et al. **Semin Oncol** 1990 Oct; 17(5 Suppl 8):66–70 (18 ref.)
Fludarabine phosphate in the treatment of chronic lymphocytic leukemia. Keating MJ. **Semin Oncol** 1990 Oct; 17(5 Suppl 8):49–62 (59 ref.)
Metabolism and action of fludarabine phosphate. Plunkett W, et al. **Semin Oncol** 1990 Oct;17(5 Suppl 8):3–17 (94 ref.)
Phase I clinical trials with fludarabine phosphate. Von Hoff DD. **Semin Oncol** 1990 Oct;17(5 Suppl 8):33–8 (36 ref.)

ARABINOFURANOSYLCYTOSINE see **CYTARABINE**

ARABINOFURANOSYLURACIL

ANALOGS & DERIVATIVES

Fluorinated pyrimidines: a new change for old drugs. King DH. **Transplant Proc** 1991 Jun;23(3 Suppl 3):168–70 (14 ref.)

ARABINOSYLADENINE see **VIDARABINE**

ARABINOSYLADENINE MONOPHOSPHATE see **ARABINOFURANOSYLADENINE MONOPHOSPHATE**

ARABINOSYLCYTOSINE see **CYTARABINE**

ARABINOSYLURACIL see **ARABINOFURANOSYLURACIL**

ARACHIDONATE 5-LIPOXYGENASE

ANTAGONISTS & INHIBITORS

WY-50,295 tromethamine: a novel inhibitor of leukotriene-mediated reactions. Weichman BM, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21A:477–80 (4 ref.)

METABOLISM

Lipoxygenase metabolites of arachidonic acid in neuronal transmembrane signalling. Piomelli D, et al. **Trends Pharmacol Sci** 1990 Sep;11(9):367–73 (37 ref.)

ARACHIDONATE 12-LIPOXYGENASE

METABOLISM

Direct opening of S-type K+ channels of Aplysia sensory neurons by 12-lipoxygenase metabolites. Volterra A, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:727–30 (10 ref.)
Arachidonic acid metabolism: potential for diverse signalling within the same neuron. Schwartz JH. **Biochem Soc Trans** 1991 Apr;19(2):387–90 (37 ref.)

ARACHIDONATE LIPOXYGENASES

PHYSIOLOGY

[Arachidonate lipoxygenase family] Izumi T. **Seikagaku** 1991 Mar;63(3):212–7 (32 ref.) **(Jpn)**

ARACHIDONIC ACIDS

BLOOD

Seasonal variation in the phagocytic activity and arachidonic-acid metabolism of human blood monocytes in healthy non-smokers, smokers and chronic bronchitics. Linden M, et al. **Agents Actions Suppl** 1990;30:121–32 (19 ref.)
Platelet reactivity and arachidonic acid metabolism in type II hyperlipoproteinaemia and its modification by cholesterol-lowering agents. Schrör K. **Eicosanoids** 1990; 3(2):67–73 (70 ref.)

METABOLISM

Inhibitory effect of curcumin and some related dietary compounds on tumor promotion and arachidonic acid metabolism in mouse skin. Conney AH, et al. **Adv Enzyme Regul** 1991;31:385–96 (27 ref.)
Cytochrome P450-dependent arachidonate metabolites, renal function and blood pressure regulation. McGiff JC, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:675–82 (23 ref.)
Arachidonic acid metabolism of cytosolic fractions of Lewis lung carcinoma cells. Marnett LJ, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:895–900 (10 ref.)
The cytochrome P450 metabolic pathway of arachidonic acid in the cornea. Schwartzman ML, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21A:185–92 (23 ref.)
The molecular biology of mammalian arachidonic acid metabolism. Sigal E. **Am J Physiol** 1991 Feb;260(2 Pt 1):L13–28 (128 ref.)
Arachidonic acid metabolism. Implications of biological chemistry for lung function and disease. Holtzman MJ. **Am Rev Respir Dis** 1991 Jan;143(1):188–203 (230 ref.)
Cytochrome P-450 metabolism of arachidonic acid. McGiff JC. **Annu Rev Pharmacol Toxicol** 1991;31:339–69 (117 ref.)
Arachidonate release consequent to bradykinin-stimulated phospholipid metabolism in dorsal root ganglion cells. Morell P, et al. **Biochem Soc Trans** 1991 Apr;19(2):411–6 (16 ref.)
Arachidonic acid metabolism: potential for diverse signalling within the same neuron. Schwartz JH. **Biochem Soc Trans** 1991 Apr;19(2):387–90 (37 ref.)
Lipoxygenase products of arachidonic acid in psoriasis, atopic dermatitis, and experimental arthritis. Fogh K. **Dan Med Bull** 1990 Aug;37(4):289–308 (238 ref.)
Arachidonic acid metabolism in filarial parasites. Liu LX, et al. **Exp Parasitol** 1990 Nov;71(4):496–501 (33 ref.)
Arachidonic acid cascade and platelet-activating factor in the network of eye inflammatory mediators: therapeutic implications in uveitis. Bazan NG, et al. **Int Ophthalmol** 1990 Oct;14(5–6):335–44 (48 ref.)
Free radicals, arachidonic acid metabolites, and nutrition. Foegh ML, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):218S–222S (23 ref.)
Renal tubular arachidonic acid metabolism. Bonventre JV, et al. **Kidney Int** 1991 Mar;39(3):438–49 (165 ref.)
Novel arachidonate metabolites generated by cytochrome P450-dependent mono-oxygenases. Carroll MA, et al. **Pharmacol Res** 1991 May;23(4):309–18 (27 ref.)
Cytochrome P-450 metabolites of arachidonic acid: implications for blood pressure regulation. Carroll MA, et al. **Pol J Pharmacol Pharm** 1990 May–Jun;42(3):191–201 (21 ref.)
Platelet-activating factor (PAF) and its relation to prostaglandins, leukotrienes and other aspects of arachidonate metabolism. Peplow PV, et al. **Prostaglandins Leukot Essent Fatty Acids** 1990 Oct; 41(2):71–82 (159 ref.)
Embryo-derived platelet activating factor: interactions with the arachidonic acid cascade and the establishment and maintenance of pregnancy. O'Neill C, et al. **Reprod Fertil Dev** 1990;2(5):423–41 (83 ref.)
Phospholipases in human parturition. Wilson T. **Reprod Fertil Dev** 1990;2(5):511–21 (99 ref.)
Arachidonic acid metabolites in glomerular immune injury. Badr KF. **Semin Nephrol** 1991 May;11(3):332–9 (75 ref.)
Functional effects of cytochrome P450 arachidonate metabolites in the kidney. Hirt DL, et al. **Semin Nephrol** 1991 Mar;11(2):148–55 (51 ref.)
The control of free arachidonic acid levels. Burgoyne RD, et al. **Trends Biochem Sci** 1990 Oct;15(10):365–6 (8 ref.)
Lipoxygenase metabolites of arachidonic acid in neuronal transmembrane signalling. Piomelli D, et al. **Trends Pharmacol Sci** 1990 Sep;11(9):367–73 (37 ref.)
Arachidonic acid metabolism: role in inflammation. Samuelsson B. **Z Rheumatol** 1991;50 Suppl 1:3–6 (13 ref.)
[The role of arachidonic acid metabolism in the pathophysiology of chronic inflammatory intestinal diseases (see comments)] Schreiber S, et al. **Immun Infekt** 1990 Aug; 18(4):115–20 (47 ref.) (Eng. Abstr.) Comment in: Immun Infekt 1990 Aug;18(4):109. **(Ger)**
[Principles of arachidonic acid metabolism] Decker K. **Verh Dtsch Ges Inn Med** 1990;96:675–83 (30 ref.) **(Ger)**
[Leukotrienes and shock] Oborin AN. **Klin Khir** 1991;(4):60–4 (46 ref.) **(Rus)**

PHARMACOLOGY

Arachidonic acid as a mediator of some of the actions of phorbolmyristate acetate, a tumor promoter and inducer of differentiation. Das UN. **Prostaglandins Leukot Essent Fatty Acids** 1991 Apr; 42(4):241–4 (35 ref.)

PHYSIOLOGY

Is arachidonic acid a retrograde messenger in long-term potentiation? Lynch MA, et al. **Biochem Soc Trans** 1991 Apr;19(2):391–6 (36 ref.)
[The role of arachidonic acid metabolites in the pathogenesis of bronchial asthma] Seeger W, et al. **Verh Dtsch Ges Inn Med** 1990;96:685–93 (54 ref.) **(Ger)**

SECRETION

Receptor-mediated activation of phospholipase A2 and arachidonic acid release in signal transduction. Axelrod J. **Biochem Soc Trans** 1990 Aug;18(4):503–7 (45 ref.)

ARACHIS see **PEANUTS**

ARACHNID VECTORS

Tick-borne diseases. Doan-Wiggins L. **Emerg Med Clin North Am** 1991 May;9(2):303–25 (62 ref.)
Report of the FAO Expert Consultation on Revision of Strategies for the Control of Ticks and Tick-borne Diseases, Rome, 25–29 September 1989. **Parassitologia** 1990 Apr;32(1):3–12 (0 ref.)
Amblyomma variegatum and associated diseases in the Caribbean: strategies for control and eradication in Guadeloupe. Camus E, et al. **Parassitologia** 1990 Apr; 32(1):185–93 (17 ref.)
Summing-up of strategies for tick-borne disease control in regions of the world other than Africa. Pipano E, et al. **Parassitologia** 1990 Apr;32(1):117–25 (48 ref.)
[Ticks and Lyme disease] Sáez S, et al. **Enferm Infecc Microbiol Clin** 1991 Feb;9(2):111–5 (17 ref.) **(Spa)**

CLASSIFICATION

[The taxonomic aspects of the transmission of the causative agent of Lyme disease] Filippova NA. **Parazitologiia** 1990 Jul–Aug;24(4):257–67 (58 ref.) (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Lyme borreliosis: relation of its causative agent to its vectors and hosts in North America and Europe. Lane RS, et al. **Annu Rev Entomol** 1991;36:587–609 (129 ref.)

PARASITOLOGY

Interaction between parasite and tick vector. Friedhoff KT. **Int J Parasitol** 1990 Jul;20(4):525–35 (54 ref.)
Theileria parva: influence of vector, parasite and host relationships on the epidemiology of theileriosis in southern Africa. Norval RA, et al. **Parasitology** 1991 Jun;102 Pt 3:347–56 (74 ref.)
Rocky Mountain spotted fever. Comer KM. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):27–44 (47 ref.)

PHYSIOLOGY

Lyme disease. Buchstein SR, et al. **Infect Dis Clin North Am** 1991 Mar;5(1):103–16 (75 ref.)
Biology of ticks. Cupp EW. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):1–26 (73 ref.)

ARACHNIDISM

[Scorpion sting (Euscorpius, sp.) in Italy and review of scorpionism] Torregiani F, et al. **Minerva Med** 1990 Jul–Aug;81(7–8 Suppl):137–45 (140 ref.) (Eng. Abstr.) **(Ita)**
[Review of latrodectism and Malmignatta sting (Latrodectus tredecimguttatus) in Italy] Torregiani F, et al. **Minerva Med** 1990 Jul–Aug;81(7–8 Suppl):147–54 (74 ref.) (Eng. Abstr.) **(Ita)**

ARACHNODACTYLY see **MARFAN SYNDROME**

ARACHNOID

Primary leptomeningeal lymphoma: report of 9 cases, diagnosis with immunocytochemical analysis, and review of the literature. Lachance DH, et al. **Neurology** 1991 Jan; 41(1):95–100 (39 ref.)
[Treatment of suprasellar arachnoid cysts by percutaneous transfrontal ventriculocystostomy. Apropos of a series of 17 cases] Pierre-Kahn A, et al. **Neurochirurgie** 1990; 36(6):370–7 (48 ref.) (Eng. Abstr.) **(Fre)**

ARACHNOID CYSTS

COMPLICATIONS

Posterior fossa arachnoid cyst presenting with an isolated twelfth nerve paresis. Case report and review of the literature. Cartwright MJ, et al. **Clin Neurol Neurosurg** 1991;93(1):69–72 (18 ref.)
[Coccygodynia disclosing Tarlov's cysts] Dehaine V, et al. **Rev Med Interne** 1990 Jul–Aug;11(4):280–4 (16 ref.) (Eng. Abstr.) **(Fre)**
[Asphyxiating thoracic dysplasia associated with proximal myopathy and arachnoid cyst] Ardura Fernández J, et al. **An Esp Pediatr** 1990 Dec;33(6):592–6 (14 ref.) **(Spa)**

CONGENITAL

Cyst of the choroid plexus in the lateral ventricle: case report and review of the literature. Odake G, et al. **Neurosurgery** 1990 Sep;27(3):470–6 (36 ref.)

GENETICS

Familial intracranial arachnoid cysts. Pomeranz S, et al. **Childs Nerv Syst** 1991 Apr;7(2):100–2 (21 ref.)

SURGERY

A case of intraventricular arachnoid cyst. How should it be treated? Kurokawa Y, et al. **Childs Nerv Syst** 1990 Sep; 6(6):365–7 (11 ref.)

ARACHNOIDITIS

PATHOLOGY

Multiple spinal ossified arachnoiditis. A case report. Kitagawa H, et al. **Spine** 1990 Nov;15(11):1236–8 (28 ref.)

ARANEID VENOMS see **SPIDER VENOMS**

ARAURIDINE see **ARABINOFURANOSYLURACIL**

ARBOVIRUS INFECTIONS

EPIDEMIOLOGY

Arboviral infections in the United States. Tsai TF. **Infect Dis Clin North Am** 1991 Mar;5(1):73–102 (33 ref.)

[Arbovirus infections in Yugoslavia] Ropac D. **Vojnosanit Pregl** 1990 Sep-Oct;47(5):358-61 (61 ref.) **(Scr)**

TRANSMISSION

[Ecological transformations: insect-transmitted infections today] Cardesa JJ, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 38:4-10 (43 ref.) **(Spa)**

ARBOVIRUSES

ISOLATION & PURIFICATION

Arboviruses in the Iberian Peninsula. Filipe AR, et al. **Acta Virol (Praha)** 1990 Dec;34(6):582-91 (41 ref.)

ARBOVIRUSES, GROUP A see **ALPHAVIRUSES**

ARBOVIRUSES, GROUP B see **FLAVIVIRUSES**

ARCHAEBACTERIA

ENZYMOLOGY

Structure and function of the nickel porphinoid, coenzyme F430 and of its enzyme, methyl coenzyme M reductase. Friedmann HC, et al. **FEMS Microbiol Rev** 1990 Dec; 7(3-4):339-48 (70 ref.)

GENETICS

Self-splicing introns in prokaryotes: migrant fossils? Belfort M. **Cell** 1991 Jan 11;64(1):9-11 (22 ref.)

Conservation of primary structure in prokaryotic hydrogenases. Reeve JN, et al. **FEMS Microbiol Rev** 1990 Dec;7(3-4):419-24 (36 ref.)

Archaeal rRNA operons. Garrett RA, et al. **Trends Biochem Sci** 1991 Jan;16(1):22-6 (31 ref.)

METABOLISM

Hydrogen-sulfur autotrophy in the hyperthermophilic archaebacterium, Pyrodictium brockii. Pihl TD, et al. **Biotechnol Genet Eng Rev** 1990;8:345-77 (113 ref.)

PHYSIOLOGY

Organic osmolytes in methanogenic archaebacteria. Robertson DE, et al. **Biofactors** 1991 Jan;3(1):1-9 (48 ref.)

Cytoskeletal origins in sulfur-metabolizing archaebacteria. Searcy DG, et al. **Biosystems** 1991;25(1-2):1-11 (54 ref.)

ARCHENTERON see **GASTRULA**

ARCHITECTURAL ACCESSIBILITY

Ramps and rails [see comments] Travers AF. **BMJ** 1991 Apr 20;302(6782):951-4 (6 ref.) Comment in: BMJ 1991 May 25;302(6787):1277.

STANDARDS

Barrier-free design: a review and critique of the occupational therapy perspective. Cooper BA, et al. **Am J Occup Ther** 1991 Apr;45(4):344-50 (26 ref.)

ARCUATE NUCLEUS

METABOLISM

Astrocytes within the hypothalamic arcuate nucleus contain estrogen-sensitive peroxidase, bind fluorescein-conjugated estradiol, and may mediate synaptic plasticity in the rat. Keefe DL, et al. **Am J Obstet Gynecol** 1991 Apr; 164(4):959-66 (54 ref.)

ARDS, HUMAN see **RESPIRATORY DISTRESS SYNDROME, ADULT**

AREAWIDE PLANNING see **REGIONAL HEALTH PLANNING**

ARENAVIRIDAE

GENETICS

Ambisense RNA viruses: positive and negative polarities combined in RNA virus genomes. Bishop DH. **Microbiol Sci** 1986 Jun;3(6):183-7 (22 ref.)

ARGENTAFFIN CELLS see **ENTEROCHROMAFFIN CELLS**

ARGENTAFFIN SYSTEM see **CHROMAFFIN SYSTEM**

ARGENTAFFINOMA see **CARCINOID TUMOR**

ARGININE

ADMINISTRATION & DOSAGE

Cholesterolemic effects of the lysine/arginine ratio in rabbits after initial early growth. Sánchez A, et al. **Arch Latinoam Nutr** 1988 Jun;38(2):229-38 (33 ref.)

BLOOD

[Late diagnosis of congenital argininemia during administration of sodium valproate] Christmann D, et al. **Rev Neurol (Paris)** 1990;146(12):764-6 (20 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Utilization of nitrogenous compounds by oral bacteria. Rogers AH. **Aust Dent J** 1990 Oct;35(5):468-71 (16 ref.)

PHARMACOLOGY

Role of arginine in trauma, sepsis, and immunity. Kirk SJ, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep-Oct;14(5 Suppl):226S-229S (53 ref.)

Modulation of platelet aggregation by an L-arginine-nitric oxide pathway. Radomski MW, et al. **Trends Pharmacol Sci** 1991 Mar;12(3):87-8 (25 ref.)

THERAPEUTIC USE

[Physiological and pharmacological actions of a neuroactive dipeptide, kyotorphin, and its precursor, L-arginine, and clinical application] Takagi H. **Nippon Yakurigaku Zasshi** 1990 Sep;96(3):85-96 (54 ref.) (Eng. Abstr.) **(Jpn)**

ARGININE VASOPRESSIN see **ARGIPRESSIN**

ARGIPRESSIN

PHARMACOLOGY

The role of arginine vasopressin in alcohol tolerance. Hoffman PL, et al. **Ann Med** 1990;22(4):269-74 (47 ref.)

ARHINENCEPHALY see **HOLOPROSENCEPHALY**

ARM

see related
FORELIMB

The painful arm [see comments] Murtagh J. **Aust Fam Physician** 1990 Sep;19(9):1423-6 (3 ref.) Comment in: Aust Fam Physician 1991 Mar;20(3):349-50.

Conduction velocity along muscle fibers in situ in healthy infants. Cruz Martínez A, et al. **Electromyogr Clin Neurophysiol** 1990 Nov;30(7):443-8 (19 ref.)

Fibrous hamartoma of infancy manifested as multiple nodules--a case report. Jung PM, et al. **J Korean Med Sci** 1990 Dec;5(4):243-7 (12 ref.)

[Epithelioid sarcoma. Immunohistochemical study. Therapy with recombinant alfa interferon] Porta J, et al. **Med Cutan Ibero Lat Am** 1990;18(3):191-6 (20 ref.) (Eng. Abstr.) **(Spa)**

ABNORMALITIES

[Holt-Oram syndrome] Elek C, et al. **Orv Hetil** 1991 Jan 13;132(2):73-4, 77-8 (25 ref.) (Eng. Abstr.) **(Hun)**

BLOOD SUPPLY

[Current status of amputation surgery] Becker HM, et al. **Zentralbl Chir** 1990;115(14):857-63 (20 ref.) (Eng. Abstr.) **(Ger)**

INNERVATION

[Paralysis of the right arm caused by vertebral arteriovenous fistula] Riss JM, et al. **Rev Neurol (Paris)** 1990; 146(11):706-10 (25 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Long latency reflexes of human arm muscles in health and disease. Rothwell JC. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:251-63 (52 ref.)

SURGERY

Cerebral palsy of the upper extremity. Manske PR. **Hand Clin** 1990 Nov;6(4):697-709 (49 ref.)

[Surgery of rheumatoid polyarthritis of the upper limb in adults. Review of current data] Alnot JY. **Chirurgie** 1990; 116(2):194-200 (30 ref.) (Eng. Abstr.) **(Fre)**

ARM INJURIES

Triceps brachii injuries. Holleb PD, et al. **Sports Med** 1990 Oct;10(4):273-6 (19 ref.)

SURGERY

Major limb replantation in children. Daigle JP, et al. **Microsurgery** 1991;12(3):221-31 (58 ref.)

THERAPY

Bite wounds to the upper extremity. Martin D, et al. **Orthopedics** 1991 May;14(5):571-8 (39 ref.)

ARMED FORCES PERSONNEL see **MILITARY PERSONNEL**

ARNOLD-CHIARI DEFORMITY

The Chiari-I malformation. Sclafani AP, et al. **Ear Nose Throat J** 1991 Apr;70(4):208-12 (28 ref.)

[Chiari malformation] Lazareff JA, et al. **Bol Med Hosp Infant Mex** 1990 Oct;47(10):719-24 (35 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

[Isolated exertion headache and Chiari's malformation] Hubert P, et al. **Rev Neurol (Paris)** 1991;147(2):155-7 (10 ref.) (Eng. Abstr.) **(Fre)**

[Conference at the Salpêtrière. January 1989. Progressive paralysis of phonation and deglutition in a 22-year-old man] Michel D, et al. **Rev Neurol (Paris)** 1990; 146(8-9):522-5 (9 ref.) **(Fre)**

AROCLORS

PHARMACOLOGY

[Evaluation of the inducing action of aroclor 1254 in rats in long-term experiment] Piekoszewski W, et al. **Folia Med Cracov** 1990;31(3):201-7 (21 ref.) (Eng. Abstr.) **(Pol)**

AROMATASE

ANTAGONISTS & INHIBITORS

Inhibition of aromatase in vitro and in vivo by aromatase inhibitors. Bhatnagar AS, et al. **J Enzym Inhib** 1990; 4(2):179-86 (26 ref.)

Aromatase inhibitors: introduction and perspective. Brodie A. **J Enzym Inhib** 1990;4(2):75-7 (12 ref.)

Clinical use of aromatase inhibitors: current data and future perspectives. Santen RJ. **J Enzym Inhib** 1990;4(2):79-99 (99 ref.)

Mechanism and inhibition of cytochrome P-450 aromatase. Cole PA, et al. **J Med Chem** 1990 Nov;33(11):2933-42 (81 ref.)

Highly selective inhibition of estrogen biosynthesis by CGS 20267, a new non-steroidal aromatase inhibitor. Bhatnagar AS, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20; 37(6):1021-7 (19 ref.)

Novel aromatase inhibitors. Bhatnagar AS, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):363-7 (10 ref.)

Aromatase and other inhibitors in breast and prostatic cancer. Brodie AM, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1043-8 (38 ref.)

Aromatase inhibitors and hormone-dependent cancers. Brodie AM, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):327-33 (58 ref.)

Biochemical and pharmacological development of steroidal inhibitors of aromatase. Brueggemeier RW, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):379-85 (26 ref.)

New non-steroidal aromatase inhibitors: focus on R76713. De Coster R, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):335-41 (26 ref.)

Clinical development of aromatase inhibitors for the treatment of breast and prostate cancer. Dowsett M. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1037-41 (18 ref.)

Recent progress in development of aromatase inhibitors. Santen RJ. **J Steroid Biochem Mol Biol** 1990 Dec 20; 37(6):1029-35 (17 ref.)

METABOLISM

Aromatase activity in fetal gonads of mammals. Weniger JP. **J Dev Physiol** 1990 Dec;14(6):303-6 (53 ref.)

Biochemical and molecular aspects of aromatase. Brueggemeier RW. **J Enzym Inhib** 1990;4(2):101-11 (129 ref.)

AROUSAL

Additive factor method applied to psychopathology with special reference to childhood hyperactivity. Sergeant J, et al. **Acta Psychol (Amst)** 1990 Aug;74(2-3):277-95 (60 ref.)

What children can tell us about living in danger. Garbarino J, et al. **Am Psychol** 1991 Apr;46(4):376-83 (33 ref.)

Why worry? The cognitive function of anxiety. Mathews A. **Behav Res Ther** 1990;28(6):455-68 (60 ref.)

Social phobia: relationship to shyness. Turner SM, et al. **Behav Res Ther** 1990;28(6):497-505 (45 ref.)

Affect regulation and psychopathology: bridging the mind-body gap. Bradley SJ. **Can J Psychiatry** 1990 Aug; 35(6):540-7 (62 ref.)

The language environment of the young infant: implications for early perceptual development. Cooper RP, et al. **Can J Psychol** 1989 Jun;43(2):247-65 (55 ref.)

Dynamic organization of intersensory function. Turkewitz G, et al. **Can J Psychol** 1989 Jun;43(2):286-301 (60 ref.)

Restricted environmental stimulation and smoking cessation: a 15-year progress report. Suedfeld P. **Int J Addict** 1990 Aug;25(8):861-88 (65 ref.)

Human classical conditioning. The status of the CS. Levey AB, et al. **Integr Physiol Behav Sci** 1991 Jan-Mar; 26(1):26-31 (9 ref.)

Structural equation modeling in clinical assessment research with children. Morris RJ, et al. **J Consult Clin Psychol** 1991 Jun;59(3):371–9 (53 ref.)
The orienting response: stimulus factors and response measures. Barry RJ. **Pavlov J Biol Sci** 1990 Jul–Sep; 25(3):93–9; discussion 99–103 (12 ref.)
Orienting reaction, organizing for action, and emotional processes. Latash LP. **Pavlov J Biol Sci** 1990 Jul–Sep; 25(3):123–9; discussion 129–31 (27 ref.)
The OR and significance. Maltzman I. **Pavlov J Biol Sci** 1990 Jul–Sep;25(3):111–20; discussion 120–2 (38 ref.)
The orienting response, and future directions of its development. Sokolov EN. **Pavlov J Biol Sci** 1990 Jul–Sep; 25(3):142–50 (13 ref.)
Applied orienting response research: some examples. Tremayne P, et al. **Pavlov J Biol Sci** 1990 Jul–Sep; 25(3):132–9; discussion 139–41 (13 ref.)
The time window of feeding. Collier G, et al. **Physiol Behav** 1990 Dec;48(6):771–7 (49 ref.)
Dreaming: the impact of life stress events. Miller TW, et al. **Psychiatr Dev** 1989 Winter;7(4):367–73 (19 ref.)
Monotonic and rhythmic influences: a challenge for sleep deprivation research. Babkoff H, et al. **Psychol Bull** 1991 May;109(3):411–28 (150 ref.)
Psychological approaches to panic disorder: a review. McNally RJ. **Psychol Bull** 1990 Nov;108(3):403–19 (160 ref.)
Asymmetrical effects of positive and negative events: the mobilization–minimization hypothesis. Taylor SE. **Psychol Bull** 1991 Jul;110(1):67–85 (200 ref.)
Significance of the positive–negative distinction in schizophrenia. Kay SR. **Schizophr Bull** 1990;16(4):635–52 (72 ref.)
[Pain and pain perception] Kmietzyk HJ. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Aug; 42(8):508–11 (12 ref.) (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Stress and alcohol interaction: an update of human research. Pohorecky LA. **Alcohol Clin Exp Res** 1991 Jun; 15(3):438–59 (234 ref.)
The influence of stress on psychopharmacological responses to nicotine. Balfour DJ. **Br J Addict** 1991 May;86(5):489–93 (40 ref.)
Understanding brain mechanisms in nicotine reinforcement. Corrigall WA. **Br J Addict** 1991 May;86(5):507–10 (28 ref.)
Neurophysiological aspects of smoking behaviour: a neuroelectric perspective. Knott VJ. **Br J Addict** 1991 May; 86(5):511–5 (23 ref.)
A bioinformational systems perspective on tobacco dependence. Niaura R, et al. **Br J Addict** 1991 May; 86(5):593–7 (22 ref.)
Biobehavioral research on nicotine use in women. Pomerleau CS, et al. **Br J Addict** 1991 May;86(5):527–31 (40 ref.)
Research on stress and smoking: progress and problems. Pomerleau OF, et al. **Br J Addict** 1991 May;86(5):599–603 (28 ref.)
Behavioural pharmacology of nicotine: multiple mechanisms. Stolerman IP. **Br J Addict** 1991 May;86(5):533–6 (12 ref.)
The relevance of receptor binding studies to tobacco research. Wonnacott S. **Br J Addict** 1991 May;86(5):537–41 (28 ref.)
The effect of neuroleptics on cognitive and psychomotor function. King DJ. **Br J Psychiatry** 1990 Dec;157:799–811 (140 ref.)
Antidepressants: the implications of the cognitive and psychomotor effects in the elderly. Hindmarch I. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:57–60 (10 ref.)
Behavioral and neurochemical studies in diazepam-sensitive and -resistant mice. Gallaher EJ, et al. **J Addict Dis** 1991; 10(1–2):45–60 (29 ref.)
Neuroendocrine effects of benzodiazepines. De Souza EB. **J Psychiatr Res** 1990;24 Suppl 2:111–9 (50 ref.)
Pharmacological mechanisms of benzodiazepine withdrawal. Nutt DJ. **J Psychiatr Res** 1990;24 Suppl 2:105–10 (30 ref.)
Cardiovascular considerations in selection of anti-panic pharmacotherapy. Taylor CB, et al. **J Psychiatr Res** 1990; 24 Suppl 2:43–9 (24 ref.)
Do benzodiazepines have a role in the prevention or treatment of coronary heart disease and other major medical disorders? Williams RB Jr. **J Psychiatr Res** 1990; 24 Suppl 2:51–6 (15 ref.)
Nicotine as a psychoactive drug. Murray JB. **J Psychol** 1991 Jan;125(1):5–25 (115 ref.)
Attentional and motivational effects of psychoactive drugs. Kornetsky C, et al. **NIDA Res Monogr** 1990;97:177–92 (27 ref.)
Conditioning as a critical determinant of sensitization induced by psychomotor stimulants. Pert A, et al. **NIDA Res Monogr** 1990;97:208–41 (135 ref.)
Psychophysiological predictors of drug treatment response. Tueting P. **Psychiatr Med** 1991;9(1):145–61 (75 ref.)

PHYSIOLOGY

Internal and external control: a two-factor model of amplitude change of event-related potentials. Kok A. **Acta Psychol (Amst)** 1990 Aug;74(2–3):203–36 (100 ref.)
Silent ischemia during mental stress: scintigraphic evidence and electrocardiographic patterns. Tavazzi L, et al. **Adv Cardiol** 1990;37:53–66 (29 ref.)
Psychoneuroimmunology: a literature review. Vollhardt LT. **Am J Orthopsychiatry** 1991 Jan;61(1):35–47 (55 ref.)
Cognitive brain potentials and their application. Blackwood DH, et al. **Br J Psychiatry Suppl** 1990;(9):96–101 (50 ref.)
Brain–stimulation reward: a review. Milner PM. **Can J Psychol** 1991 Mar;45(1):1–36 (220 ref.)
Limbic autonomic arousal: its physiological classification and review of the literature. Deshmukh VD. **Clin Electroencephalogr** 1991 Jan;22(1):46–61 (115 ref.)
The autonomic nervous system and "functional" illness. Ferrari E. **Funct Neurol** 1990 Jul–Sep;5(3):279–84 (19 ref.)
Some recalcitrant views on the role of noncognitive S–R factors in human Pavlovian autonomic conditioning. Some facts still haunt us. Furedy JJ. **Integr Physiol Behav Sci** 1991 Jan–Mar;26(1):21–5 (17 ref.)
Consciousness, coma, and the vegetative state: physical basis and definitional character. De Giorgio CM, et al. **Issues Law Med** 1991 Spring;6(4):361–71 (76 ref.)
Psychophysiological aspects of nightmares, night terrors, and sleepwalking. Murray JB. **J Gen Psychol** 1991 Apr; 118(2):113–27 (90 ref.)
Stress and hypertension. Zimmerman RS, et al. **J Hypertens Suppl** 1990 Sep;8(4):S103–7 (22 ref.)
Psychiatric aspects of hyperthyroidism. Jadresic DP. **J Psychosom Res** 1990;34(6):603–15 (92 ref.)
Salivary cortisol in psychobiological research: an overview. Kirschbaum C, et al. **Neuropsychobiology** 1989;22(3):150–69 (110 ref.)
Moving ahead yet falling behind. A critical appraisal of some trends in contemporary depression research. van Praag HM. **Neuropsychobiology** 1989;22(4):181–93 (48 ref.)
Pharmacological and anatomical analysis of fear conditioning. Davis M. **NIDA Res Monogr** 1990;97:126–62 (120 ref.)
Stress, performance, and arousal: focus on CRF. Koob GF, et al. **NIDA Res Monogr** 1990;97:163–76 (37 ref.)
Event-related brain potentials and vigilance performance: dissociations abound, a review. Koelega HS, et al. **Percept Mot Skills** 1991 Jun;72(3 Pt 1):971–82 (50 ref.)
Stress, emotion, and human immune function. O'Leary A. **Psychol Bull** 1990 Nov;108(3):363–82 (190 ref.)
Prospective role for adenosine and adenosinergic systems in psychiatric disorders [editorial] Durcan MJ, et al. **Psychol Med** 1990 Aug;20(3):475–86 (190 ref.)
Circadian aspects of epileptic behavior in comparative psychophysiology. Poirel C, et al. **Psychol Rep** 1991 Jun; 68(3 Pt 1):783–801 (75 ref.)
Dreaming: cognitive processes during cortical activation and high afferent thresholds. Antrobus J. **Psychol Rev** 1991 Jan; 98(1):96–121 (95 ref.)
Psychophysiology at the interface of clinical science, cognitive science, and neuroscience. Dawson ME. **Psychophysiology** 1990 May;27(3):243–55 (55 ref.)
A selective review of biological markers in schizophrenia. Szymanski S, et al. **Schizophr Bull** 1991;17(1):99–111 (110 ref.)
Elementary neuronal dysfunctions in schizophrenia. Freedman R, et al. **Schizophr Res** 1991 Mar–Apr; 4(2):233–43 (36 ref.)
Event-related potentials in schizophrenia: their biological and clinical correlates and a new model of schizophrenic pathophysiology. McCarley RW, et al. **Schizophr Res** 1991 Mar–Apr;4(2):209–31 (110 ref.)
Sleep in old age: focus on gender differences. Rediehs MH, et al. **Sleep** 1990 Oct;13(5):410–24 (56 ref.)
[The hyperarousal hypothesis: new aspects of a neurophysiologic concept of endogenous psychoses] Adler G. **Fortschr Neurol Psychiatr** 1991 Jun;59(6):203–6 (40 ref.) (Eng. Abstr.) **(Ger)**
[Psychophysiology of anxiety diseases] Albus M. **Nervenarzt** 1990 Nov;61(11):639–46 (84 ref.) **(Ger)**
[Some general factors affecting heart rate fluctuations] Michalik M, et al. **Psychiatr Neurol Med Psychol Beih** 1990; 43:45–52 (46 ref.) **(Ger)**
[Event-related potentials in psychiatry—methodologic principles] Münte F, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Nov; 42(11):649–59 (50 ref.) (Eng. Abstr.) **(Ger)**
[Emotional status and immunoglobulin A in saliva—review of the literature] Kugler J. **Psychother Psychosom Med Psychol** 1991 Jun;41(6):232–42 (95 ref.) (Eng. Abstr.) **(Ger)**
[The central nervous system, stress and motility of the gastrointestinal tract] Erckenbrecht JF. **Z Gastroenterol Verh** 1991 Mar;26:248–52 (36 ref.) **(Ger)**
[Central nervous system regulation of exocrine pancreas secretion] Singer MV. **Z Gastroenterol Verh** 1991 Mar; 26:241–3 (34 ref.) **(Ger)**

ARRHENOBLASTOMA

CLASSIFICATION

[Androblastoma (a review of the literature and a report of the author's own case)] Angelov Iu. **Akush Ginekol (Sofiia)** 1991;30(2):58–62 (11 ref.) **(Bul)**

ARRHYTHMIA

Clinical applications of programmed electrical stimulation of the heart. Brugada P, et al. **Can J Cardiol** 1990 Oct; 6(8):373–9 (38 ref.)
Ventricular arrhythmias in children with an apparently normal heart. Yabek SM. **J Pediatr** 1991 Jul;119(1 (Pt 1)):1–11 (63 ref.)
[Ventricular arrhythmias in dilated cardiomyopathy. Clinical and prognostic significance and the role of programmed electric stimulation] Raviele A. **G Ital Cardiol** 1991 Jan; 21(1):87–93 (59 ref.) **(Ita)**

CHEMICALLY INDUCED

Caffeine and cardiac arrhythmias. Myers MG. **Ann Intern Med** 1991 Jan 15;114(2):147–50 (23 ref.)
The chemical peel. Peters W. **Ann Plast Surg** 1991 Jun; 26(6):564–71 (32 ref.)
Drug-related arrhythmias during therapy of congestive heart failure. Opie LH. **Cardiovasc Drugs Ther** 1987 Aug; 1(2):195–8 (17 ref.)
[Arrhythmogenic effect of anti-arrhythmia drugs] Trusz-Gluza M. **Kardiol Pol** 1991;34(1):41–8 (35 ref.) **(Pol)**
[Industrial factors in the production and processing of potash fertilizers and their effect on the body (review of the literature)] Khodykina TM. **Gig Tr Prof Zabol** 1990; (8):42–6 (56 ref.) **(Rus)**
[Comparative characteristics of arrhythmogenic effects of anti-arrhythmia agents] Kurbanov RD. **Kardiologiia** 1991 Feb;31(2):92–5 (4 ref.) **(Rus)**

CLASSIFICATION

Torsades de pointes: arrhythmia, syndrome, or chimera? A perspective in the light of the Lambeth Conventions. Curtis MJ. **Cardiovasc Drugs Ther** 1991 Feb;5(1):191–200 (29 ref.)
[Surgical treatment of arrhythmias] Tomcsányl I. **Orv Hetil** 1991 Feb 17;132(7):339–43 (43 ref.) (Eng. Abstr.) **(Hun)**

COMPLICATIONS

Arrhythmias in heart failure—therapeutic challenges. Storstein L. **Am J Med** 1991 May 29;90(5B):27S–29S (14 ref.)

DIAGNOSIS

Electrophysiologic testing. Fisch C. **Adv Intern Med** 1991; 36:319–27 (33 ref.)
Programmed stimulation in the evaluation of life-threatening or potentially life-threatening ventricular arrhythmias [editorial] Gottlieb C, et al. **Cardiovasc Drugs Ther** 1987 Aug;1(2):155–9 (28 ref.)
Special value of the vectorcardiogram in pediatric cardiology. Brohet CR. **J Electrocardiol** 1990;23 Suppl:58–62 (25 ref.)
Transesophageal pacing [see comments] Santini M, et al. **PACE** 1990 Oct;13(10):1298–323 (113 ref.) Comment in: PACE Pacing Clin Electrophysiol 1990 Oct;13(10):1324–5.
Common complaints with cardiac implications in children. Sharkey AM, et al. **Pediatr Clin North Am** 1991 Jun; 38(3):657–66 (17 ref.)
Human ventricular repolarization and T wave genesis. Franz MR, et al. **Prog Cardiovasc Dis** 1991 May–Jun;33(6):369–84 (99 ref.)
Method and theory of monophasic action potential recording. Franz MR. **Prog Cardiovasc Dis** 1991 May–Jun; 33(6):347–68 (70 ref.)
Monophasic action potentials and the detection and significance of mechanoelectric feedback in vivo. Lab MJ. **Prog Cardiovasc Dis** 1991 Jul–Aug;34(1):29–35 (56 ref.)
Monophasic action potentials in the diagnosis of triggered arrhythmias. Zipes DP. **Prog Cardiovasc Dis** 1991 May–Jun;33(6):385–96 (55 ref.)
[The diagnosis of arrhythmias in hypertrophic cardiomyopathy] Lengfelder W, et al. **Dtsch Med Wochenschr** 1991 Aug 30;116(35):1319–21 (14 ref.) **(Ger)**
[The noninvasive recording of late potentials for the determination of increased ventricular vulnerability] Weber K, et al. **Dtsch Med Wochenschr** 1991 Apr 26;116(17):665–9 (36 ref.) **(Ger)**
[Clinical value of monophasic action potentials] Franz MR. **Z Kardiol** 1991 Apr;80(4):241–9 (51 ref.) (Eng. Abstr.) **(Ger)**
[Rational management of arrhythmias] González-Hermosillo JA, et al. **Arch Inst Cardiol Mex** 1990 Sep–Oct;60(5):461–6 (15 ref.) (Eng. Abstr.) **(Spa)**
[Ventricular arrhythmia in young university students without evidence of heart disease] Rigou DG, et al. **Medicina (B Aires)** 1990;50(1):47–51 (24 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Propafenone for malignant ventricular arrhythmia: an analysis of the literature. Hernandez M, et al. **Am Heart J** 1991 Apr;121(4 (Pt 1)):1178–84 (56 ref.)
Chronic use of acebutolol in the treatment of cardiac arrhythmias. O'Reilly M. **Am Heart J** 1991 Apr;121(4 (Pt 1)):1185–93 (62 ref.)
Moricizine: a new agent for the treatment of ventricular arrhythmias. Grubb BP. **Am J Med Sci** 1991 Jun; 301(6):398–401 (37 ref.)
Pharmacist's corner. Part I: Antiarrhythmic agents use in the surgical patient. Donnelly AJ. **AORN J** 1991 May; 53(5):1261–6 (8 ref.)
Hemodynamic profile of amiodarone during acute and

long-term administration in patients with ventricular dysfunction. Remme WJ, et al. **Cardioscience** 1990 Sep; 1(3):169–76 (19 ref.)

Management of arrhythmias in the postbypass patient. Talajic M, et al. **Cardiovasc Clin** 1991;21(2):211–26 (93 ref.)

Determination of antiarrhythmic drug efficacy in the treatment of ventricular arrhythmias. Morganroth J. **Cardiovasc Drugs Ther** 1990 Jun;4(3):669–73 (14 ref.)

Calcium channel antagonists. Part III: Use and comparative efficacy in hypertension and supraventricular arrhythmias. Minor indications. Opie LH. **Cardiovasc Drugs Ther** 1988 Mar;1(6):625–56 (225 ref.)

Calcium antagonists post-infarction: the significance of experimental studies on potentially lethal early ischemic ventricular arrhythmias [editorial] Opie LH. **Cardiovasc Drugs Ther** 1991 Aug;5(4):671–5 (30 ref.)

Class IC drugs: propafenone and flecainide. Puech P, et al. **Cardiovasc Drugs Ther** 1990 Jun;4 Suppl 3:549–53 (22 ref.)

Controlling cardiac arrhythmias: to delay conduction or to prolong refractoriness. Singh BN. **Cardiovasc Drugs Ther** 1989 Oct;3(5):671–4 (14 ref.)

Channel specificity in antiarrhythmic drug action. Mechanism of potassium channel block and its role in suppressing and aggravating cardiac arrhythmias. Colatsky TJ, et al. **Circulation** 1990 Dec;82(6):2235–42 (61 ref.)

What a clinician needs to know about the mechanisms of action of antiarrhythmic drugs. Janse MJ. **Clin Cardiol** 1991 Jan;14(1):65–7 (5 ref.)

Do antiarrhythmic drugs work? Some reflections on the implications of the Cardiac Arrhythmia Suppression Trial. Singh BN. **Clin Cardiol** 1990 Oct;13(10):725–8 (27 ref.)

Pharmacologic therapy for fetal arrhythmias. Pinsky WW, et al. **Clin Obstet Gynecol** 1991 Jun;34(2):304–9 (21 ref.)

Evaluation and treatment of ventricular arrhythmias: an update. McCollam PL, et al. **Clin Pharm** 1991 Mar; 10(3):195–205 (71 ref.)

Amiodarone in long term prophylaxis. Katritsis D, et al. **Drugs** 1991;41 Suppl 2:54–66 (104 ref.)

The value of oral amiodarone in the treatment of ventricular arrhythmias in heart disease. Levy S. **Drugs** 1991;41 Suppl 2:47–53 (32 ref.)

Mexiletine. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic use in the treatment of arrhythmias [published erratum appears in Drugs 1991 Mar;41(3):377] Monk JP, et al. **Drugs** 1990 Sep; 40(3):374–411 (178 ref.)

Practical aspects of the use of amiodarone. Puech P. **Drugs** 1991;41 Suppl 2:67–73 (30 ref.)

Managing geriatric arrhythmias, II: Drug selection and use [published erratum appears in Geriatrics 1991 Jun;46(6):100] Lynch RA, et al. **Geriatrics** 1991 Apr; 46(4):41–4, 49–52, 54 (16 ref.)

Safety of use of antiarrhythmic drugs. Mehta D, et al. **Indian Heart J** 1990 Nov–Dec;42(6):445–50 (57 ref.)

Diltiazem in ischemia-induced and reperfusion arrhythmias. Burckhardt D. **J Cardiovasc Pharmacol** 1990;16 Suppl 6:S36–9 (24 ref.)

Reassessment of benefit-risk ratio and treatment algorithms for antiarrhythmic drug therapy after the cardiac arrhythmia suppression trial. Anderson JL. **J Clin Pharmacol** 1990 Nov;30(11):981–9 (47 ref.)

Pharmacologic therapy for arrhythmias: attention to the benefit-risk ratio. Podrid PJ. **J Clin Pharmacol** 1990 Nov; 30(11):975–80 (14 ref.)

Current treatment of patients surviving out-of-hospital cardiac arrest. Brooks R, et al. **JAMA** 1991 Feb 13; 265(6):762–8 (115 ref.)

Treatment of arrhythmia in patients with heart failure. Gottlieb SS. **PACE** 1990 Nov;13(11 Pt 2):1510–5 (32 ref.)

Antiarrhythmic drug therapy: evaluation and modification of treatment. Podrid PJ. **PACE** 1990 Nov;13(11 Pt 2):1501–9 (39 ref.)

Ventricular arrhythmias: risk stratification and approach to therapy after the Cardiac Arrhythmia Suppression Trial (CAST). Prystowsky EN, et al. **PACE** 1990 Nov;13(11 Pt 2):1480–7 (39 ref.)

Selecting appropriate first-line antiarrhythmic agents: comparative pharmacological profiles. Siddoway LA. **PACE** 1990 Nov;13(11 Pt 2):1488–500 (25 ref.)

Ventricular arrhythmias. When should they be suppressed? Marcus FI. **Postgrad Med** 1991 Aug;90(2):62–4, 67–9 (11 ref.)

Potentially lethal ventricular arrhythmias. Minimizing the danger. Wood DL. **Postgrad Med** 1990 Nov 1;88(6):65–7, 70–1, 74 (20 ref.)

Congestive heart failure. New frontiers. Parmley WW, et al. **West J Med** 1991 Apr;154(4):427–41 (132 ref.)

[Efficacy and tolerance of disopyramide in arrhythmia associated with sinus node dysfunction] Brembilla-Perrot B, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):837–42 (15 ref.) (Eng. Abstr.) **(Fre)**

[New aspects of frequency-dependent effect of class 1 anti-arrhythmia drugs. A critical analysis of useful subclassification] Weirich J, et al. **Z Kardiol** 1991 Mar; 80(3):177–86 (36 ref.) (Eng. Abstr.) **(Ger)**

[Interventional and induction cardioarrhythmology. Electropharmacological intervention] Raviele A. **G Ital Cardiol** 1991 Mar;21(3):293–306 (143 ref.) **(Ita)**

[Mechanisms of interactions of anti-arrhythmia agents during their combined use] Adnan Abdalla, et al. **Kardiologiia** 1991 Feb;31(2):87–91 (28 ref.) **(Rus)**

[Selection and combination of anti-arrhythmic agents] Fabregat JR. **Arch Inst Cardiol Mex** 1990 Sep–Oct; 60(5):479–84 (31 ref.) (Eng. Abstr.) **(Spa)**

EPIDEMIOLOGY

Late ventricular arrhythmias occurring after repair of tetralogy of Fallot: do they matter? Deanfield JE. **Int J Cardiol** 1991 Feb;30(2):143–50 (42 ref.)

ETIOLOGY

Dilated and arrhythmogenous cardiomyopathies: old and new concepts. Sangiorgi M. **Cardiologia** 1990 Dec; 35(12):967–76 (143 ref.)

Identification of patients at increased risk for potentially malignant arrhythmias. Moss AJ. **Cardiovasc Drugs Ther** 1990 Jun;4(3):665–7 (9 ref.)

Reperfusion arrhythmias after thrombolysis. Electrophysiologic tempest, or much ado about nothing. Krumholz HM, et al. **Chest** 1991 Apr;99(4 Suppl):135S–140S (51 ref.)

Atrial tachyarrhythmias after cardiac surgery. Groves PH, et al. **Eur Heart J** 1991 Mar;12(3):458–63 (63 ref.)

Determinants of ventricular arrhythmias in cardiac hypertrophy. McLenachan JM, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S46–9 (30 ref.)

Amphipathic lipid metabolites and their relation to arrhythmogenesis in the ischemic heart. DaTorre SD, et al. **J Mol Cell Cardiol** 1991 Feb;23 Suppl 1:11–22 (43 ref.)

Dysrhythmia during anesthesia. Boldt J, et al. **Middle East J Anesthesiol** 1990 Oct;10(6):633–9 (13 ref.)

Alignment of myocardial cells and its role in the genesis of cardiac arrhythmias. Spach MS. **PACE** 1990 Nov;13(11 Pt 2):1535–40 (10 ref.)

Arrhythmias and clinical electrophysiology of the transplanted human heart. Liem LB, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):271–8 (37 ref.)

Rhythm disturbances after cardiac surgery. Moore SL, et al. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):24–8 (32 ref.)

[Experimental model of fatal arrhythmia after myocardial infarction] Zhu Y, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1990 Dec; 18(6):377–9 (22 ref.) **(Chi)**

[Cardiac disorders in Steinert's disease. Indication of pacemaker in two patients of the same family] Liandrat S, et al. **Ann Cardiol Angeiol (Paris)** 1990 Oct;39(8):471–7 (41 ref.) (Eng. Abstr.) **(Fre)**

[Arrhythmogenic potential of cardiomyopathies. Dilated cardiomyopathies] Fauchier JP, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84(1):95–103 (30 ref.) (Eng. Abstr.) **(Fre)**

[Study of the arrhythmogenicity of cardiomyopathies. Hypertrophic cardiomyopathies] Fauchier JP, et al. **Arch Mal Coeur Vaiss** 1991 Mar;84(3):365–72 (31 ref.) (Eng. Abstr.) **(Fre)**

[Ventricular arrhythmia in patients with hypertension and left ventricular hypertrophy] Sami MH. **Arch Mal Coeur Vaiss** 1990 Dec;83 Spec No 4:59–62 (19 ref.) (Eng. Abstr.) **(Fre)**

[Arrhythmias in chronic heart failure. Prognostic significance and treatment] Koenig A, et al. **Presse Med** 1991 May 25; 20(20):950–5 (36 ref.) (Eng. Abstr.) **(Fre)**

[False chordae tendineae in mitral valve prolapse: an association with limited responsibility?] Bolognesi R, et al. **Cardiologia** 1990 Jun;35(6):445–9 (47 ref.) **(Ita)**

[Arrhythmia in uremic patients in hemodialysis treatment] Redaelli B, et al. **G Ital Cardiol** 1990 May;20(5):495–9 (48 ref.) **(Ita)**

[Cardiovascular complications induced by cocaine abuse] de Oliveira Júnior W, et al. **Arq Bras Cardiol** 1990 Aug; 55(2):129–31 (20 ref.) **(Por)**

[Late arrhythmia in acute myocardial infarction. Detection and prognostic value] Tuna JL, et al. **Rev Port Cardiol** 1991 Mar;10(3):271–80 (18 ref.) **(Por)**

[Left ventricular hypertrophy in hypertension. Arrhythmias and sudden death] García Robles JA, et al. **An Med Interna** 1989 Oct;6(10):543–6 (41 ref.) **(Spa)**

[Frequent arrhythmias in Wolff-Parkinson-White syndrome] Cárdenas M. **Arch Inst Cardiol Mex** 1990 Sep–Oct; 60(5):467–72 (14 ref.) (Eng. Abstr.) **(Spa)**

GENETICS

Simpson-Golabi-Behmel syndrome with severe cardiac arrhythmias. König R, et al. **Am J Med Genet** 1991 Feb–Mar;38(2–3):244–7 (8 ref.)

MORTALITY

[Prognostic indicators in patients with a history of myocardial infarction] Halawa B, et al. **Pol Tyg Lek** 1990 Jun 4–11; 45(23–24):479–83 (31 ref.) **(Pol)**

PHYSIOPATHOLOGY

Ventricular arrhythmias in ischemic heart disease. Weiss JN, et al. **Ann Intern Med** 1991 May 1;114(9):784–97 (116 ref.)

Role of calcium ions in reperfusion arrhythmias: relevance to pharmacologic intervention. Opie LH, et al. **Cardiovasc Drugs Ther** 1988 Dec;2(5):623–36 (78 ref.)

Mental activity, adrenergic modulation, and cardiac arrhythmias in patients with heart disease. Coumel P, et al. **Circulation** 1991 Apr;83(4 Suppl):II58–70 (29 ref.)

Pathophysiology of sudden cardiac death. Myerburg RJ, et al. **PACE Pacing Clin Electrophysiol** 1991 May;14(5 Pt 2):935–43 (34 ref.)

[Reperfusion induced arrhythmias] Chen ZJ. **Chung Hua Nei Ko Tsa Chih** 1990 May;29(5):266–9 (11 ref.) **(Chi)**

[Triggered arrhythmias using the monophasic action potential technique] Xie JT, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):363–6 (17 ref.) **(Chi)**

[Cardiovascular disorders during sleep] Messner-Pellenc P. **Presse Med** 1990 Nov 28;19(40):1851–6 (20 ref.) (Eng. Abstr.) **(Fre)**

[Disorders of heart function and rhythm in central nervous system processes] Klossek H, et al. **Psychiatr Neurol Med Psychol Beih** 1990;43:12–8 (91 ref.) **(Ger)**

[The autonomic nervous system and disorders of heart rhythm. I] Jurkovičová O, et al. **Vnitr Lek** 1991 Apr; 37(4):390–6 (29 ref.) (Eng. Abstr.) **(Slo)**

[Signal averaging high resolution electrocardiogram. Ventricular late potentials] Paylos JM. **Rev Esp Cardiol** 1990 Nov;43(9):591–603 (90 ref.) **(Spa)**

PREVENTION & CONTROL

Monitoring and safety in endoscopy. Bell GD. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):79–98 (63 ref.)

Arrhythmia prophylaxis after acute myocardial infarction: a decade of controversy. Harrison DC. **Cardiovasc Drugs Ther** 1989 Jan;2(6):783–9 (43 ref.)

Sudden cardiac death, implanted defibrillation, and clinical electrophysiology. Coumel P, et al. **PACE Pacing Clin Electrophysiol** 1991 May;14(5 Pt 2):893–7 (7 ref.)

Arrhythmia suppression in postmyocardial infarction patients with special notation to cardiac arrhythmia suppression trial. Gheorghiade M, et al. **Prog Cardiovasc Dis** 1991 Jan–Feb;33(4):213–8 (31 ref.)

Antiarrhythmic effects of fish oils. Charnock JS. **World Rev Nutr Diet** 1991;66:278–91 (56 ref.)

Review: fish oil and cardiac function. Nestel PJ. **World Rev Nutr Diet** 1991;66:268–77 (32 ref.)

SURGERY

Catheter ablation. Present role and projected impact on health care for patients with cardiac arrhythmias. Scheinman MM. **Circulation** 1991 May;83(5):1489–98 (73 ref.)

Current role of catheter ablative procedures in patients with cardiac arrhythmias. A report for health professionals from the Subcommittee on Electrocardiography and Electrophysiology, American Heart Association. Scheinman MM, et al. **Circulation** 1991 Jun;83(6):2146–53 (58 ref.)

The role of cryosurgery in the management of cardiac arrhythmias. Garratt C, et al. **Clin Cardiol** 1991 Feb; 14(2):153–9 (33 ref.)

Nonpharmacological therapy of ventricular arrhythmias. DiMarco JP. **PACE** 1990 Nov;13(11 Pt 2):1527–32 (46 ref.)

Advances in applications of radiofrequency current to catheter ablation therapy. Huang SK. **PACE** 1991 Jan; 14(1):28–42 (70 ref.)

[Implanting an atrial pacemaker] Székely A, et al. **Orv Hetil** 1990 Dec 30;131(52):2855–9 (38 ref.) (Eng. Abstr.) **(Hun)**

[Interventional and induction cardioarrhythmology. Physical and surgical intervention] Lunati M, et al. **G Ital Cardiol** 1991 Mar;21(3):315–22 (43 ref.) **(Ita)**

[Lasers in surgery of arrhythmia] Bokeriia LA, et al. **Kardiologiia** 1990 Aug;30(8):102–5 (81 ref.) **(Rus)**

THERAPY

Pediatric Advanced Life Support: Part II. Fluid therapy, medications and dysrhythmias. Rockney RM, et al. **Am Fam Physician** 1991 May;43(5):1712–20 (22 ref.)

Ventricular arrhythmias in ischemic heart disease. Weiss JN, et al. **Ann Intern Med** 1991 May 1;114(9):784–97 (116 ref.)

Current antiarrhythmic therapy overview. Camm AJ. **Cardiovasc Drugs Ther** 1990 Jun;4 Suppl 3:531–4 (6 ref.)

The present status of cardiac pacing. Furman S. **Herz** 1991 Jun;16(3):171–81 (34 ref.)

Hemodynamics and exercise capacity during pacemaker stimulation. Nordlander R, et al. **Herz** 1991 Jun; 16(3):149–57 (37 ref.)

Transesophageal pacing [see comments] Santini M, et al. **PACE** 1990 Oct;13(10):1298–323 (113 ref.) Comment in: PACE Pacing Clin Electrophysiol 1990 Oct;13(10):1324–5.

Pacing in atrial arrhythmias. Sutton R. **PACE** 1990 Dec;13(12 Pt 2):1823–7 (36 ref.)

Enhancing the physiologic effectiveness of cardiac stimulators in heart rhythms' management using chronobiology. Bakken EE, et al. **Prog Clin Biol Res** 1990; 341A:347–61 (53 ref.)

[New cardiac pacemakers] Daubert JC, et al. **Presse Med** 1991 Jun 15;20(23):1083–9 (20 ref.) (Eng. Abstr.) **(Fre)**

[Which programmable functions of pacemakers are available, and what is their clinical relevance?] Jung W, et al. **Herz** 1991 Jun;16(3):158–70 (56 ref.) (Eng. Abstr.) **(Ger)**

[Value of diagnostic methods in conduction disorders for pacemaker indications and choice of a suitable stimulation mode] Seipel L, et al. **Herz** 1991 Jun;16(3):131–7 (13 ref.) (Eng. Abstr.) **(Ger)**

[Programmed stimulation of the heart] Dąbrowski A. **Kardiol Pol** 1990;33(9–10):33–6 (13 ref.) **(Pol)**

[Therapy of cardiac arrhythmias: when, how and where?] Wellens HJ, et al. **Grud Serdechnososudistaia Khir** 1991 Mar;(3):5–14 (111 ref.) (Eng. Abstr.) **(Rus)**

ULTRASONOGRAPHY

[Practical importance of the exact diagnosis of fetal arrhythmias] Pál A, et al. **Orv Hetil** 1991 Jun 23; 132(25):1359–62 (22 ref.) (Eng. Abstr.) **(Hun)**

ARRHYTHMIA, SINUS

PHYSIOPATHOLOGY

[Detection of spontaneous heart rate fluctuations] Lange V. **Psychiatr Neurol Med Psychol Beih** 1990;43:64–73 (31 ref.) **(Ger)**

[New methodologic aspects of the analysis of heart rate variability in newborn infants as a selected example for heart rate analysis with special signal properties] Witte H, et al. **Psychiatr Neurol Med Psychol Beih** 1990;43:89–99 (27 ref.) **(Ger)**

[Predictive value of sinus rhythm analysis] Baranowski R. **Kardiol Pol** 1991;34(3):190–4 (36 ref.) **(Pol)**

ARSENIC

An update on arsenic. Malachowski ME. **Clin Lab Med** 1990 Sep;10(3):459–72 (23 ref.)

TOXICITY

Mechanisms of arsenic-induced cell transformation. Barrett JC, et al. **Biol Trace Elem Res** 1989 Jul–Sep;21:421–9 (33 ref.)

The carcinogenic potential of cadmium, arsenic, and selenium and the associated public health and regulatory implications. Fan AM. **J Toxicol Sci** 1990 Dec;15 Suppl 4:162–75 (44 ref.)

ART

Abstract art and emotion: expressive form and the sense of wholeness. Rose GJ. **J Am Psychoanal Assoc** 1991; 39(1):131–56 (34 ref.)

ART THERAPY

Art and multiple personality disorder: an expressive framework for occupational therapy. Frye B. **Am J Occup Ther** 1990 Nov;44(11):1013–22 (28 ref.)

ARTERENOL see **NOREPINEPHRINE**

ARTERIAL CATHETERIZATION, PERIPHERAL see **CATHETERIZATION, PERIPHERAL**

ARTERIAL LINES see **CATHETERS, INDWELLING**

ARTERIAL OBSTRUCTIVE DISEASES see **ARTERIAL OCCLUSIVE DISEASES**

ARTERIAL OCCLUSIVE DISEASES

An in vivo model of experimental arterial stenosis, intimal damage, and periodic thrombosis. Folts J. **Circulation** 1991 Jun;83(6 Suppl):IV3–14 (55 ref.)

Experimental arterial thrombosis in nonhuman primates. Harker LA, et al. **Circulation** 1991 Jun;83(6 Suppl):IV41–55 (58 ref.)

Entrapment of the popliteal artery. Persky JM, et al. **Surg Gynecol Obstet** 1991 Jul;173(1):84–90 (65 ref.)

BLOOD

[Hemorheology: playing games or relevant research?] Ernst E. **Vasa Suppl** 1990;30:26–9 (16 ref.) **(Ger)**

CHEMICALLY INDUCED

Saint Anthony's fire revisited. Vascular problems associated with migraine medication. Magee R. **Med J Aust** 1991 Jan 21;154(2):145–9 (21 ref.)

COMPLICATIONS

The ocular ischemic syndrome. Dhooge M, et al. **Bull Soc Belge Ophtalmol** 1989;231:1–13 (26 ref.)

Ophthalmologic manifestations of carotid occlusive disease. Dugan JD Jr, et al. **Eye** 1991;5 (Pt 2):226–38 (77 ref.)

Poststenotic dilatation. Dobrin PB. **Surg Gynecol Obstet** 1991 Jun;172(6):503–8 (63 ref.)

[Primary pulmonary hypertension] Konopleva LF. **Klin Med (Mosk)** 1990 Sep;68(9):13–8 (15 ref.) **(Rus)**

DIAGNOSIS

Noninvasive diagnostic assessment of peripheral vascular disease. Barnes RW. **Circulation** 1991 Feb;83(2 Suppl):I20–7 (64 ref.)

Indications and uses of the noninvasive vascular laboratory: extremity or visceral arterial evaluation. Bergamini TM. **J Ky Med Assoc** 1991 May;89(5):220–6 (15 ref.)

DRUG THERAPY

Iloprost, a stable analogue of PGI2: clinical results and pathophysiological considerations. Stock G, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:583–9 (21 ref.)

Thrombolytic therapy in peripheral vascular disease. Hess H. **Br J Surg** 1990 Oct;77(10):1083–4 (7 ref.)

Peripheral arterial occlusion in infants—a report of two cases treated conservatively. Pettenazzo A, et al. **J Vasc Surg** 1991 Aug;14(2):220–4 (20 ref.)

[Therapy of arterial occlusive disease] Bollinger A. **Verh Dtsch Ges Inn Med** 1990;96:702–6 (22 ref.) **(Ger)**

[Thrombolytic therapy of thromboembolic occlusive diseases of major arteries of the lower extremities] Rodionov SV, et al. **Vestn Khir** 1990 May;144(5):129–33 (40 ref.) **(Rus)**

EPIDEMIOLOGY

Peripheral vascular disease: a public health perspective. Fowkes FG. **J Public Health Med** 1990;12(3–4):152–9 (58 ref.)

ETIOLOGY

Lower extremity arterial disease in systemic lupus erythematosus. Wheatley MJ, et al. **Arch Surg** 1991 Jan; 126(1):109–10 (11 ref.)

Smoking and occlusive peripheral arterial disease. Clinical review. Lepäntalo M, et al. **Eur J Surg** 1991 Feb; 157(2):83–7 (65 ref.)

Arteriosclerosis and peripheral arterial disease. Smith JW, et al. **Nebr Med J** 1991 Mar;76(3):67–9 (2 ref.)

Reactive changes in the blood of smokers and the development of arterial diseases and COPD, a review: evidence of associations between changes and subsequent disease with implications for the evaluation of harmful effects of cigarettes, and for susceptibility to the chronic effects of inhaled pollutants. Anthony HM. **Rev Environ Health** 1989 Jan–Dec;8(1–4):25–86 (472 ref.)

Intestinal ischemia complicating abdominal aortic surgery. Brewster DC, et al. **Surgery** 1991 Apr;109(4):447–54 (36 ref.)

[The physiopathology and medical treatment of acute traumatic occlusion of the popliteal artery. The point of view of the anesthesiologist-resuscitator] Granry JC, et al. **Cah Anesthesiol** 1990 May–Jun;38(3):149–53 (22 ref.) (Eng. Abstr.) **(Fre)**

[Peripheral arterial occlusive disease and acute deep venous thrombosis—when and how to treat?] Heidrich H. **Verh Dtsch Ges Inn Med** 1990;96:112–7 (19 ref.) **(Ger)**

[Acute occlusion of the iliac arteries due to blunt trauma] Sato M, et al. **Nippon Geka Gakkai Zasshi** 1991 May; 92(5):607–10 (10 ref.) (Eng. Abstr.) **(Jpn)**

[Usefulness of echocardiography in the diagnosis of the causes of arterial embolism] Drążkiewicz T, et al. **Pol Tyg Lek** 1990 Nov 5–12;45(45–46):934–5 (13 ref.) **(Pol)**

MORTALITY

The natural history of peripheral vascular disease. Implications for its management. Hertzer NR. **Circulation** 1991 Feb;83(2 Suppl):I12–9 (22 ref.)

PHYSIOPATHOLOGY

Role of von Willebrand factor in arterial thrombosis. Studies in normal and von Willebrand disease pigs. Nichols TC, et al. **Circulation** 1991 Jun;83(6 Suppl):IV56–64 (61 ref.)

Effects of coronary artery occlusion in animals with hypertension and left ventricular hypertrophy. Dellsperger KC, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S40–5 (24 ref.)

Sympathetic neuronal activity in diabetic and non-diabetic subjects with peripheral arterial occlusive disease. Huber KH, et al. **Klin Wochenschr** 1991 Apr 4;69(6):233–8 (25 ref.)

Angiogenesis in arteries: review. Eisenstein R. **Pharmacol Ther** 1991;49(1–2):1–19 (195 ref.)

[Vertebrobasilar circulatory disorders. Diagnosis—pathogenesis—therapy] Stillhard G. **Schweiz Med Wochenschr** 1990 Nov 17;120(46):1709–23 (89 ref.) (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Large arteries involvement in scleroderma—a case report. Alušík S, et al. **Angiology** 1990 Nov;41(11):973–6 (7 ref.)

SURGERY

An argument in favor of all-autogenous tissue for vascular bypasses below the inguinal ligament. Donaldson MC, et al. **Adv Surg** 1991;24:69–90 (46 ref.)

Femoral-distal bypass with in situ greater saphenous vein. Long-term results using the Mills valvulotome. Donaldson MC, et al. **Ann Surg** 1991 May;213(5):457–64; discussion 464–5 (31 ref.)

Basic data related to laser angioplasty. Seeger JM. **Ann Vasc Surg** 1990 Sep;4(5):515–8 (13 ref.)

Infrarenal abdominal aortic disease: a review of the retroperitoneal approach. Grace PA, et al. **Br J Surg** 1991 Jan;78(1):6–9 (39 ref.)

Clinical and anatomical considerations for surgery in aortoiliac disease and results of surgical treatment. Brewster DC. **Circulation** 1991 Feb;83(2 Suppl):I42–52 (55 ref.)

Carotid endarterectomy for asymptomatic carotid stenosis: an update. Thompson JE. **J Vasc Surg** 1991 May; 13(5):669–76 (45 ref.)

Current techniques for infrainguinal arterial reconstruction. Whittemore A. **Jpn J Surg** 1990 Nov;20(6):627–34 (77 ref.)

Outcome in vascular surgery. Takolander R. **Qual Assur Health Care** 1990;2(3–4):279–95 (173 ref.)

Thrombolysis in arterial bypass grafts. Van Breda A. **Semin Thromb Hemost** 1991 Jan;17(1):7–13 (65 ref.)

The use of endothelial seeding of prosthetic arterial bypass grafts. Herring MB. **Surg Annu** 1991;23 Pt 2:157–71 (45 ref.)

[Arterial occlusive disease: surgery] Vollmar JF. **Verh Dtsch Ges Inn Med** 1990;96:378–84 (20 ref.) **(Ger)**

[When is there an indication for primary femoral amputation in patients with vascular disease?] Hepp W, et al. **Zentralbl Chir** 1990;115(14):865–71 (13 ref.) (Eng. Abstr.) **(Ger)**

[Suppurative complications in reconstructive surgery of the aorta and arteries of the lower extremities] Genyk SN, et al. **Khirurgiia (Mosk)** 1990 Nov;(11):147–50 (51 ref.) **(Rus)**

[Carotid surgery is beneficial] Takolander R. **Lakartidningen** 1991 Jun 12;88(24):2220–3 (23 ref.) **(Swe)**

[Carotid surgery is justified in symptomatic severe stenosis] Wahlgren NG. **Lakartidningen** 1991 Jun 12;88(24):2203, 2206 (5 ref.) **(Swe)**

THERAPY

New technologies for the treatment of obstructive arterial disease. Fischell TA, et al. **Cathet Cardiovasc Diagn** 1991 Mar;22(3):205–33 (167 ref.)

Intravascular stents. General principles and status of lower-extremity arterial applications. Becker GJ. **Circulation** 1991 Feb;83(2 Suppl):I122–36 (65 ref.)

Angioplasty of carotid arteries. Belloni G. **Rays** 1990 Apr–Jun;15(2):281–99 (24 ref.) **(Eng, Ita)**

[Femoral angioplasty. Long-term results] Foucart H, et al. **J Mal Vasc** 1990;15(3):229–33 (0 ref.) (Eng. Abstr.) **(Fre)**

[Intravascular technics of cerebral revascularization] Théron J, et al. **J Mal Vasc** 1990;15(3):245–56 (37 ref.) (Eng. Abstr.) **(Fre)**

[Interventional angiology in the area of the thigh. Percutaneous balloon dilatation, new procedures of recanalization, stents] Teifke A, et al. **Fortschr Med** 1991 Mar 30;109(9):204–7 (17 ref.) (Eng. Abstr.) **(Ger)**

[4 years' experience with a balloon-expandable endoprosthesis. Experimental and clinical application] Kauffmann GW, et al. **Radiologe** 1991 Apr;31(4):202–9 (27 ref.) (Eng. Abstr.) **(Ger)**

[Indications for percutaneous transluminal angioplasty and local thrombolysis in peripheral arterial occlusive disease] Marosi L, et al. **Vasa Suppl** 1990;30:46–9 (20 ref.) **(Ger)**

[Arterial occlusive disease: percutaneous transluminal angioplasty] Zeitler E. **Verh Dtsch Ges Inn Med** 1990; 96:375–8 (16 ref.) **(Ger)**

[Therapy of peripheral arterial occlusive disease with special reference to prostaglandins] Creutzig A. **Z Gesamte Inn Med** 1991 Mar;46(3):59–67 (68 ref.) (Eng. Abstr.) **(Ger)**

ULTRASONOGRAPHY

Doppler colour flow imaging in peripheral arterial disease. Leng GC, et al. **Br J Hosp Med** 1991 Apr;45(4):200, 202, 204–7 (59 ref.)

[Color coded Doppler angiography in peripheral arterial and venous vascular diagnosis] Mörz B, et al. **Vasa Suppl** 1990; 30:41–2 (18 ref.) **(Ger)**

[Ultrasonic diagnosis of arterial occlusive diseases of the pelvis and extremities] Zhane AK. **Khirurgiia (Mosk)** 1990 Dec;(12):151–4 (47 ref.) **(Rus)**

ARTERIES

ABNORMALITIES

Consistent arterial abnormalities associated with a variety of congenital malformations of the human lower limb. Levinsohn EM, et al. **Invest Radiol** 1991 Apr;26(4):364–73 (30 ref.)

[Dieulafoy's simple stomach ulcer: apropos of 5 cases] Nicolet M, et al. **Schweiz Med Wochenschr** 1990 Sep 29; 120(39):1421–4 (21 ref.) (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Structure and function of small arteries. Mulvany MJ, et al. **Physiol Rev** 1990 Oct;70(4):921–61 (477 ref.)

CYTOLOGY

Factors controlling growth of arterial cells following injury. Reidy MA, et al. **Toxicol Pathol** 1990;18(4 Pt 1):547–53 (21 ref.)

DRUG EFFECTS

Arterial protection: a neglected but crucial therapeutic goal. Kaplan NM. **Am J Cardiol** 1990 Sep 25;66(9):36C–38C (17 ref.)

Modulation of the action of calcium antagonists in arteries.

Godfraind T, et al. **Blood Vessels** 1990;27(2-5):184-96 (23 ref.)

INJURIES

Myointimal hyperplasia: pathogenesis and implications. 2. Animal injury models and mechanical factors. Painter TA. **Artif Organs** 1991 Apr;15(2):103-18 (172 ref.)

INNERVATION

[Role of the adventitial innervation in establishing and maintaining the structural and functional properties of the arterial wall. Effects during aging] Aubineau P. **Ann Cardiol Angeiol (Paris)** 1991 May;40(5):285-91 (31 ref.) **(Fre)**

METABOLISM

Proteoglycans, lipoproteins, and atherosclerosis. Srinivasan SR, et al. **Adv Exp Med Biol** 1991;285:373-81 (16 ref.)

Arterial metabolism of lipoproteins in relation to atherogenesis. Steinberg D. **Ann N Y Acad Sci** 1990; 598:125-35 (39 ref.)

Biochemistry of the arterial wall in developing atherosclerosis. Ylä-Herttuala S. **Ann N Y Acad Sci** 1991; 623:40-59 (84 ref.)

EDRF in intact vascular networks. Griffith TM, et al. **Blood Vessels** 1990;27(2-5):230-7 (23 ref.)

Endothelium-derived hyperpolarizing factor. Komori K, et al. **Blood Vessels** 1990;27(2-5):238-45 (31 ref.)

Transfer of lipoproteins from plasma to the cell populations of the normal and atherosclerotic arterial tissue. Bondjers G, et al. **Eur Heart J** 1990 Aug;11 Suppl E:158-63 (27 ref.)

Lipoprotein metabolism of human and rabbit arterial cells in primary culture. Jaakkola O, et al. **Eur Heart J** 1990 Aug;11 Suppl E:128-33 (20 ref.)

PATHOLOGY

Sustained arterial injury and progression of atherosclerosis. Sueishi K, et al. **Ann N Y Acad Sci** 1990;598:223-31 (22 ref.)

Long-term structural changes in human hypertensive vessels. Heagerty AM, et al. **Basic Res Cardiol** 1991;86 Suppl 1:19-23 (21 ref.)

Is there a role for the vascular renin-angiotensin system in the determination of vascular structure? Mulvany MJ. **Blood Vessels** 1991;28(1-3):224-30 (13 ref.)

An in vivo model of experimental arterial stenosis, intimal damage, and periodic thrombosis. Folts J. **Circulation** 1991 Jun;83(6 Suppl):IV3-14 (55 ref.)

Structure and function of small arteries in hypertension. Mulvany MJ. **J Hypertens Suppl** 1990 Dec;8(7):S225-32 (60 ref.)

Vascular graft intimal fibrous hyperplasia: prospects for pharmacological inhibition. Schoen FJ, et al. **J Vasc Surg** 1991 May;13(5):758-61 (17 ref.)

Developmental mechanisms underlying pathology of arteries. Schwartz SM, et al. **Physiol Rev** 1990 Oct;70(4):1177-209 (385 ref.)

PHYSIOLOGY

What is blood pressure? O'Rourke MF. **Am J Hypertens** 1990 Oct;3(10):803-10 (36 ref.)

Use of arterial compliance for evaluation of hypertension. Simon A, et al. **Am J Hypertens** 1991 Jan;4(1 Pt 1):97-105 (35 ref.)

Developing relationships: arterial platelet adhesion, glycoprotein Ib, and leucine-rich glycoproteins. Roth GJ. **Blood** 1991 Jan 1;77(1):5-19 (192 ref.)

Resistance artery tone is influenced independently by pressure and by flow. Bevan JA, et al. **Blood Vessels** 1990; 27(2-5):202-7 (23 ref.)

In vitro methodology for resistance arteries. Halpern W, et al. **Blood Vessels** 1991;28(1-3):245-51 (17 ref.)

Mechanoreception by the endothelium: mediators and mechanisms of pressure- and flow-induced vascular responses. Rubanyi GM, et al. **Blood Vessels** 1990; 27(2-5):246-57 (31 ref.)

A review of the numerical analysis of blood flow in arterial bifurcations. Xu XY, et al. **Proc Inst Mech Eng [H]** 1990; 204(4):205-16 (72 ref.)

Arterial baroreceptor reflex: its central and peripheral neural mechanisms. Kumada M, et al. **Prog Neurobiol** 1990; 35(5):331-61 (215 ref.)

Smooth muscle diversity in arterial wound repair. Majesky MW, et al. **Toxicol Pathol** 1990;18(4 Pt 1):554-9 (27 ref.)

[Elastin and arterial aging] Hornebeck W, et al. **Ann Cardiol Angeiol (Paris)** 1991 May;40(5):281-4 (31 ref.) **(Fre)**

[Eicosanoids and arterial aging] Larrue J, et al. **Ann Cardiol Angeiol (Paris)** 1991 May;40(5):259-64 (16 ref.) **(Fre)**

[Vasomotor activity in the large arterial vessels and arterial hypertension] Laurent S, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:59-63 (30 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Mechanical factors in large artery disease and antihypertensive drugs. Levenson J, et al. **Am J Cardiol** 1990 Sep 25;66(9):39C-42C (22 ref.)

Coupling between the heart and arterial system in heart failure. Sasayama S, et al. **Am J Med** 1991 May 29; 90(5B):14S-18S (13 ref.)

The role of endothelial cells in the maintenance of arterial wall integrity and their potential role in the pathogenesis of arteriosclerosis. Habenicht AJ, et al. **Beitr Infusionther** 1988;23:18-25 (6 ref.)

Interactions of lipoproteins with vascular intima in atherosclerosis. Smith EB. **Biochem Soc Trans** 1991 Feb; 19(1):235-41 (38 ref.)

Coupling between the left ventricle and arterial system in hypertension. O'Rourke M. **Eur Heart J** 1990 Nov;11 Suppl G:24-8 (23 ref.)

Arterial wall proteoglycans--biological properties related to pathogenesis of atherosclerosis. Radhakrishnamurthy B, et al. **Eur Heart J** 1990 Aug;11 Suppl E:148-57 (19 ref.)

Hypertension and the arterial system: clinical and therapeutic aspects. Safar ME, et al. **J Hypertens Suppl** 1990 Dec; 8(7):S113-9 (58 ref.)

[Mechanisms of vascular lesions in aging and arterial hypertension] Rossi GP, et al. **Cardiologia** 1990 Oct; 35(10):803-8 (37 ref.) **(Ita)**

[Regional differences in reactivity of the arterial wall in atherogenesis: various examples of clinical interest] Weber G, et al. **G Ital Cardiol** 1990 Nov;20(11):1075-9 (18 ref.) **(Ita)**

SURGERY

The evolution and development of biologic arterial grafts. Rosenberg N. **J Invest Surg** 1989;2(1):3-6 (31 ref.)

[Necessity of reconciling the objectives of the treatment of varices and arterial surgery. Practical consequences] Mellière D, et al. **J Mal Vasc** 1991;16(2):171-8 (25 ref.) (Eng. Abstr.) **(Fre)**

ULTRASONOGRAPHY

Quantitative techniques in arterial Doppler ultrasound. Hoskins PR. **Clin Phys Physiol Meas** 1990;11 Suppl A:75-80 (18 ref.)

ARTERIOGRAPHY see **ANGIOGRAPHY**

ARTERIOLES

PATHOLOGY

Thrombotic microangiopathy. Kwaan HC. **Adv Exp Med Biol** 1990;281:367-75 (73 ref.)

PHYSIOPATHOLOGY

Impaired dilatation of cerebral arterioles in chronic hypertension. Heistad DD, et al. **Blood Vessels** 1990; 27(2-5):258-62 (14 ref.)

ARTERIOSCLEROSIS

see related
DIET, ATHEROGENIC

BLOOD

[Insulin level--a parameter for risk of arteriosclerosis?] Standl E. **Versicherungsmedizin** 1991 Apr 1;43(2):48-52 (40 ref.) (Eng. Abstr.) **(Ger)**

[Serum elastinolytic activity and blood lipids in various clinical forms of arteriosclerosis and in acute myocardial infarct] Landi A, et al. **Orv Hetil** 1991 May 19; 132(20):1075-9 (55 ref.) (Eng. Abstr.) **(Hun)**

[Lipoprotein (a)] Airoldi G, et al. **Ann Ital Med Int** 1990 Oct-Dec;5(4 Pt 1):405-12 (60 ref.) (Eng. Abstr.) **(Ita)**

COMPLICATIONS

[Associated atherosclerotic lesions of the coronary and brachiocephalic arteries] Belov IuV, et al. **Kardiologiia** 1991 Apr;31(4):89-92 (66 ref.) **(Rus)**

DIAGNOSIS

[Non-invasive diagnosis of arteriosclerosis] Masuda Y. **Kokyu To Junkan** 1991 Feb;39(2):115-22 (25 ref.) **(Jpn)**

ETIOLOGY

Lipoprotein(a): structure, biology, and clinical relevance. Scanu AM, et al. **Adv Intern Med** 1991;36:249-70 (87 ref.)

The role of endothelial cells in the maintenance of arterial wall integrity and their potential role in the pathogenesis of arteriosclerosis. Habenicht AJ, et al. **Beitr Infusionther** 1988;23:18-25 (6 ref.)

Arteriosclerosis and peripheral arterial disease. Smith JW, et al. **Nebr Med J** 1991 Mar;76(3):67-9 (2 ref.)

[Lipoprotein (a)--a further risk factor in arteriosclerosis?] Ritter MM, et al. **Fortschr Med** 1990 Oct 10;108(29):547-9, 554 (26 ref.) (Eng. Abstr.) **(Ger)**

[Is macroangiopathy a complication of diabetes mellitus? I.Hyper- insulinemia] Goldsztajn P. **Przegl Lek** 1990; 47(7):551-6 (60 ref.) **(Pol)**

[Is macroangiopathy a complication of diabetes mellitus? II: Hypertriglyceridemia] Goldsztajn P. **Przegl Lek** 1990; 47(8):597-602 (45 ref.) **(Pol)**

GENETICS

International Commission for Protection Against Environmental Mutagens and Carcinogens. ICPEMC Working Paper 7/1/1. Mutational events in the etiology of arteriosclerotic plaques. Penn A. **Mutat Res** 1990 Nov; 239(3):149-62 (74 ref.)

PATHOLOGY

[Postmortem indications of hypertension (published erratum appears in Pathologe 1991 May;12(3):174)] Zschoch H. **Pathologe** 1991 Mar;12(2):66-9 (29 ref.) **(Ger)**

PHYSIOPATHOLOGY

The role of endothelial cells in the maintenance of arterial wall integrity and their potential role in the pathogenesis of arteriosclerosis. Habenicht AJ, et al. **Beitr Infusionther** 1988;23:18-25 (6 ref.)

[Arteriosclerosis. Cellular biology aspects] Heinle H. **Med Monatsschr Pharm** 1990 Oct 10;13(10):313-7 (10 ref.) **(Ger)**

PREVENTION & CONTROL

[An approach to adult diseases from the viewpoint of preventive medicine] Maruhama Y. **Rinsho Byori** 1991 Apr; 39(4):361-6 (13 ref.) (Eng. Abstr.) **(Jpn)**

["Silicon--metabolic aspects of its effect on human body"] Najda J, et al. **Przegl Lek** 1990;47(11):756-9 (21 ref.) **(Pol)**

[Surgical treatment of hyperlipoproteinemia] Kurguzov OP, et al. **Khirurgiia (Mosk)** 1991 Jan;(1):125-30 (74 ref.) **(Rus)**

SURGERY

Hot-tip laser. Results and complications. Greenfield AJ. **Circulation** 1991 Feb;83(2 Suppl):I94-6 (15 ref.)

Management of renovascular disease. A surgical perspective. Novick AC. **Circulation** 1991 Feb;83(2 Suppl):I167-71 (46 ref.)

[Infrainguinal bypass surgery of occlusive arteriosclerosis of the lower extremities using polytetrafluoroethylene (PTFE) vascular prostheses] Dahl BT, et al. **Ugeskr Laeger** 1991 Jan 21;153(4):260-3 (30 ref.) (Eng. Abstr.) **(Dan)**

THERAPY

Impact of nonoperative therapy on the clinical management of peripheral arterial disease. Veith FJ, et al. **Circulation** 1991 Feb;83(2 Suppl):I137-42 (26 ref.)

ARTERIOSCLEROSIS, CORONARY see **CORONARY ARTERIOSCLEROSIS**

ARTERIOSCLEROSIS OBLITERANS

COMPLICATIONS

[Combined forms of arteriosclerotic lesions of the coronary and major arteries: characteristics of their diagnosis and treatment] Karpov RS. **Klin Med (Mosk)** 1991 Jan; 69(1):8-12 (48 ref.) **(Rus)**

PREVENTION & CONTROL

[Prevention of obliterating arterial diseases with acetylsalicylic acid] Berge PG, et al. **Med Klin** 1990 Aug 15;85(8):493-8 (47 ref.) **(Ger)**

RADIOTHERAPY

[Clinical and experimental studies of the effect of low-intensity laser irradiation on the blood and blood vessels] Radionov BV, et al. **Sov Med** 1991;(1):27-9 (30 ref.) **(Rus)**

ARTERIOSCLEROTIC DEMENTIA see **DEMENTIA, VASCULAR**

ARTERIOVENOUS ANEURYSM see **ARTERIOVENOUS FISTULA**

ARTERIOVENOUS FISTULA

see related
ARTERIOVENOUS MALFORMATIONS

[Renal arteriovenous fistula, up-date and presentation of a new case] Domínguez Bravo C, et al. **Actas Urol Esp** 1991 Jan-Feb;15(1):46-54 (15 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Brain abscess associated with congenital pulmonary arteriovenous fistula. Momma F, et al. **Surg Neurol** 1990 Dec;34(6):439-41 (6 ref.)

[Cardiac insufficiency caused by arteriovenous fistula. An unusual complication of spinal surgery] Ferrari E, et al. **Arch Mal Coeur** 1990 Oct;83(11):1727-8 (5 ref.) (Eng. Abstr.) **(Fre)**

[Paralysis of the right arm caused by vertebral arteriovenous fistula] Riss JM, et al. **Rev Neurol (Paris)** 1990; 146(11):706-10 (25 ref.) (Eng. Abstr.) **(Fre)**

CONGENITAL

Aplasia cutis congenita and arteriovenous fistula. Case report

and review. Singman R, et al. **Arch Neurol** 1990 Nov; 47(11):1255–8 (30 ref.)
Spontaneous regression of giant arteriovenous fistulae during the perinatal period. Case report. Hanigan WC, et al. **J Neurosurg** 1990 Dec;73(6):954–7 (18 ref.)
Brain abscess associated with congenital pulmonary arteriovenous fistula. Momma F, et al. **Surg Neurol** 1990 Dec;34(6):439–41 (6 ref.)
[Pulmonary arteriovenous fistula] David V, et al. **Arch Fr Pediatr** 1991 Mar;48(3):207–9 (12 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Diagnosis of congenital vascular malformations of the extremities: new perspectives. Rutherford RB, et al. **Int Angiol** 1990 Jul–Sep;9(3):162–7 (11 ref.)
Spontaneous carotid–cavernous fistulae in Ehlers–Danlos syndrome Type IV. Case report. Schievink WI, et al. **J Neurosurg** 1991 Jun;74(6):991–8 (53 ref.)
Spontaneous common iliac arteriovenous fistula manifested by acute renal failure: a case report. Gregoric ID, et al. **J Vasc Surg** 1991 Jul;14(1):92–7 (46 ref.)
Spontaneous aorto–left renal vein fistula: the "abdominal pain, hematuria, silent left kidney" syndrome. Mansour MA, et al. **Surgery** 1991 Jan;109(1):101–6 (50 ref.)
[Neonatal cardiac insufficiency caused by a cerebral arteriovenous fistula. Review of the authors' cases] Acín Romero P, et al. **An Esp Pediatr** 1990 Jun;32(6):531–3 (28 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Internal mammary artery subclavian vein fistula following internal jugular vein catheterization. A case report and review of the literature. Halldorsson A, et al. **J Cardiovasc Surg (Torino)** 1991 May–Jun;32(3):376–9 (17 ref.)
Major vascular complications of orthognathic surgery: false aneurysms and arteriovenous fistulas following orthognathic surgery. Lanigan DT, et al. **J Oral Maxillofac Surg** 1991 Jun;49(6):571–7 (35 ref.)
Unusual aspects of aortovenous fistulas associated with ruptured abdominal aortic aneurysms. Calligaro KD, et al. **J Vasc Surg** 1990 Nov;12(5):586–90 (28 ref.)
Anterior perforations in lumbar discectomies. A report of four cases of vascular complications and a CT study of the prevertebral lumbar anatomy. Anda S, et al. **Spine** 1991 Jan;16(1):54–60 (75 ref.)
[Arteriovenous fistula of the renal pedicle following nephrectomy responsible for heart failure. Report of 2 cases] Marcaggi X, et al. **Arch Mal Coeur** 1990 Oct; 83(11):1721–4 (10 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Arteriovenous fistula of the superior mesenteric artery after resection of the ileum] von Kroge H, et al. **Vasa** 1991; 20(2):169–75 (21 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Spontaneous abdominal arteriovenous fistulae: report of eight cases and review of the literature. Gilling-Smith GL, et al. **Br J Surg** 1991 Apr;78(4):421–5 (89 ref.)

THERAPY

Intrahepatic spontaneous arterioportal fistula: duplex ultrasound diagnosis and angiographic treatment. Tarazov PG, et al. **Am J Gastroenterol** 1991 Jun;86(6):775–8 (38 ref.)
[Treatment of pulmonary arteriovenous aneurysms by vaso–occlusion. Technique and results after a year] Rémy J, et al. **Ann Chir** 1990;44(8):681–7 (30 ref.) (Eng. Abstr.) **(Fre)**

ULTRASONOGRAPHY

Intrahepatic spontaneous arterioportal fistula: duplex ultrasound diagnosis and angiographic treatment. Tarazov PG, et al. **Am J Gastroenterol** 1991 Jun;86(6):775–8 (38 ref.)

ARTERIOVENOUS HEMOFILTRATION see **HEMOFILTRATION**

ARTERIOVENOUS MALFORMATIONS

see related
ANGIOMATOSIS
ARTERIOVENOUS FISTULA
HEMANGIOMA

Vascular tumors and malformations of the ocular fundus. De Laey JJ, et al. **Bull Soc Belge Ophtalmol** 1990;225 Pt 1:1–241 (930 ref.)
Arteriovenous malformation of the maxilla. Kennedy KS. **Head Neck** 1990 Nov–Dec;12(6):512–5 (9 ref.)
Hemangiomas and vascular malformations. Silverman RA. **Pediatr Clin North Am** 1991 Aug;38(4):811–34 (123 ref.)
[Pulmonary arteriovenous fistula] David V, et al. **Arch Fr Pediatr** 1991 Mar;48(3):207–9 (12 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Coexistent hemangioblastoma and arteriovenous malformation of the cerebellum. Case report. Medvedev YA, et al. **J Neurosurg** 1991 Jul;75(1):121–5 (24 ref.)
[Colonic angiodysplasia with chronic digestive hemorrhage cured after valvular replacement for aortic valve stenosis] Obadia JF, et al. **Arch Mal Coeur Vaiss** 1991 Apr; 84(4):569–72 (26 ref.) (Eng. Abstr.) **(Fre)**
[A case of intrapleural rupture of pulmonary arteriovenous malformation with shock] Itaoka Y, et al. **Kokyu To Junkan** 1990 Aug;38(8):811–4 (16 ref.) (Eng. Abstr.) **(Jpn)**
[Barré-Masson glomus tumors] Kurguzov OP, et al. **Khirurgiia (Mosk)** 1991 Mar;(3):134–41 (114 ref.) **(Rus)**

RADIOGRAPHY

Invasive radiological diagnostic of congenital vascular malformations (CVM). Weber J. **Int Angiol** 1990 Jul–Sep; 9(3):168–74 (19 ref.)
Arteriovenous malformation of the tongue. Saydjari R, et al. **South Med J** 1990 Nov;83(11):1335–7 (12 ref.)

RADIOTHERAPY

The gamma knife: implications for nursing practice and patient education. Neatherlin JS, et al. **J Neurosci Nurs** 1991 Feb;23(1):71–4 (12 ref.)

SURGERY

Surgical treatment of congenital vascular defects. Belov S, et al. **Int Angiol** 1990 Jul–Sep;9(3):175–82 (27 ref.)
Surgical treatment of congenital arteriovenous defects. Mattassi R. **Int Angiol** 1990 Jul–Sep;9(3):196–202 (15 ref.)

THERAPY

Laser treatment of benign cutaneous vascular lesions. Alster T, et al. **Am Fam Physician** 1991 Aug;44(2):547–54 (35 ref.)
Pancreatic arteriovenous malformation treated by transcatheter embolization: report of a case with hepatocellular carcinoma. Kato T, et al. **Radiat Med** 1991 Jan–Feb;9(1):19–21 (14 ref.)
[Transcatheter embolization of huge renal arteriovenous aneurysm: a case report—review of 270 cases of renal arteriovenous fistula reported in Japan] Mishina M, et al. **Hinyokika Kiyo** 1991 Mar;37(3):273–7 (13 ref.) (Eng. Abstr.) **(Jpn)**

ARTERIOVENOUS MALFORMATIONS, CEREBRAL see **CEREBRAL ARTERIOVENOUS MALFORMATIONS**

ARTERIOVENOUS SHUNT, SURGICAL

METHODS

Radiocephalic fistula in vascular access. Ryan JJ, et al. **Br J Surg** 1990 Dec;77(12):1321–2 (5 ref.)
Current techniques for infrainguinal arterial reconstruction. Whittemore A. **Jpn J Surg** 1990 Nov;20(6):627–34 (77 ref.)
[In situ bypass] Kavrükov T, et al. **Khirurgiia (Sofiia)** 1990; 43(6):92–8 (69 ref.) **(Bul)**
[Infrainguinal bypass surgery of occlusive arteriosclerosis of the lower extremities using polytetrafluoroethylene (PTFE) vascular prostheses] Dahl BT, et al. **Ugeskr Laeger** 1991 Jan 21;153(4):260–3 (30 ref.) (Eng. Abstr.) **(Dan)**
[Autovenous shunting of arteries of the lower extremities without separation of the vein from its bed (in situ)] Balatskii OA. **Vestn Khir** 1990 Oct;145(10):137–40 (40 ref.) **(Rus)**

UTILIZATION

A survey of vascular access for haemodialysis in The Netherlands. Burger H, et al. **Nephrol Dial Transplant** 1991; 6(1):5–10 (10 ref.)

ARTERITIS

COMPLICATIONS

Mycotic (Aspergillus) arteritis resulting in fatal subarachnoid hemorrhage: a case report. Lau AH, et al. **Angiology** 1991 Mar;42(3):251–5 (14 ref.)

ETIOLOGY

Large vessel occlusion with vasculitis in systemic lupus erythematosus. Harmon SM, et al. **South Med J** 1991 Sep; 84(9):1150–4 (25 ref.)
[Severe pulmonary artery involvement of Takayasu arteritis. 3 cases and review of the literature] Blétry O, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):817–22 (32 ref.) (Eng. Abstr.) **(Fre)**
[Late neurosyphilis: a current disease] Chemouilli P, et al. **Rev Med Interne** 1989 Nov–Dec;10(6):503–8 (54 ref.) (Eng. Abstr.) **(Fre)**
[Immune and inflammatory aspects of atherosclerosis] Hansson GK. **G Ital Cardiol** 1990 Nov;20(11):1059–61 (24 ref.) **(Ita)**
[Suppurative complications in reconstructive surgery of the aorta and arteries of the lower extremities] Genyk SN, et al. **Khirurgiia (Mosk)** 1990 Nov;(11):147–50 (51 ref.) **(Rus)**

PATHOLOGY

Polymyalgia rheumatica/giant cell arteritis and other vasculitides. Michet CJ. **Rheum Dis Clin North Am** 1990 Aug;16(3):667–80 (80 ref.)

SURGERY

[Surgical treatment of patients with nonspecific aorto–arteritis of the brachiocephalic branches of the aortic arch] Zotikov AE. **Khirurgiia (Mosk)** 1990 Nov;(11):150–3 (56 ref.) **(Rus)**

THERAPY

[Long–term results of percutaneous transluminal angioplasty of the iliac arteries] Carlier C, et al. **J Mal Vasc** 1990; 15(3):224–8 (0 ref.) (Eng. Abstr.) **(Fre)**

VETERINARY

Equine viral arteritis. Huntington PJ, et al. **Aust Vet J** 1990 Dec;67(12):429–31 (39 ref.)

ARTERITIS, TAKAYASU see **TAKAYASU SYNDROME**

ARTERITIS, TEMPORAL see **TEMPORAL ARTERITIS**

ARTHRITIS

Advances in patient education in rheumatic disease. Daltroy LH, et al. **Ann Rheum Dis** 1991 Jun;50 Suppl 3:415–7 (32 ref.)
Pregnancy and rheumatoid disease. Kean WF, et al. **Baillieres Clin Rheumatol** 1990 Apr;4(1):125–40 (114 ref.)
Work behavior after the onset of arthritis. Mitchell JM. **Med Care** 1991 Apr;29(4):362–76 (31 ref.)
[Reactive arthritis] Gerloni V, et al. **Pediatr Med Chir** 1990 Sep–Oct;12(5):447–51 (46 ref.) (Eng. Abstr.) **(Ita)**

BLOOD

Blood levels of vitamin D metabolites in gonarthrosis. Tauber C, et al. **Arch Orthop Trauma Surg** 1991;110(2):109–11 (17 ref.)
Exercise and arthritis. The hematology of inactivity. Eichner ER. **Rheum Dis Clin North Am** 1990 Nov;16(4):815–25 (49 ref.)

COMPLICATIONS

Infantile inflammatory multisystem disease: clinicopathological findings and review of the literature. Horoupian DS, et al. **Clin Neuropathol** 1990 Jul–Aug; 9(4):170–6 (22 ref.)
Prevention of disuse muscle atrophy in chronic arthritides. Jokl P. **Rheum Dis Clin North Am** 1990 Nov;16(4):837–44 (9 ref.)
Reiter's syndrome and associated arthritides. Keat A, et al. **Rheum Dis Clin North Am** 1991 Feb;17(1):25–42 (40 ref.)
Disability [published erratum appears in Rheum Dis Clin North Am 1990 Nov;16(4):following xii] Verbrugge LM. **Rheum Dis Clin North Am** 1990 Aug;16(3):741–61 (146 ref.)

DIAGNOSIS

Evaluating arthritic complaints. Collo MC, et al. **Nurse Pract** 1991 Feb;16(2):9–14, 17–18, 20 (28 ref.)
[Waldenström's macroglobulinemia and arthritis] Peris P, et al. **Med Clin (Barc)** 1990 Oct 27;95(14):545–7 (32 ref.) (Eng. Abstr.) **(Spa)**

DIET THERAPY

Dietary therapy for arthritis. Darlington LG. **Rheum Dis Clin North Am** 1991 May;17(2):273–85 (38 ref.)

DRUG THERAPY

Nonsteroidal anti–inflammatory drugs and antihypertensives. Houston MC. **Am J Med** 1991 May 17;90(5A):42S–47S (38 ref.)
Non–steroidal anti–inflammatory drugs versus simple analgesics in the treatment of arthritis. Sanders PA, et al. **Baillieres Clin Rheumatol** 1991 Aug;4(2):371–85 (85 ref.)
NSAIDS: patterns of usage and side effects. Hochberg M. **Indian J Med Sci** 1990 Nov;44(11):317–22 (0 ref.)
Animal models for evaluation of arthritis drugs. Greenwald RA. **Methods Find Exp Clin Pharmacol** 1991 Mar; 13(2):75–83 (8 ref.)
[Treatment of juvenile chronic arthritis] Martini A, et al. **Pediatrie** 1991;46(2):153–60 (20 ref.) (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

[Proteolytic enzymes and their inhibitors in arthritis] Rudenko VG, et al. **Revmatologiia (Mosk)** 1990 Oct–Dec; (4):42–50 (75 ref.) **(Rus)**

ETIOLOGY

Haemophilic arthritis. Madhok R, et al. **Ann Rheum Dis** 1991 Aug;50(8):588–91 (42 ref.)
Cationic antigens as mediators of inflammation. Batsford SR. **APMIS** 1991 Jan;99(1):1–9 (54 ref.)
Enhanced inflammatory reactivity in the pathogenesis of

spondyloarthropathies. Repo H, et al. **Autoimmunity** 1990; 7(4):245–54 (55 ref.)

Human parvovirus B19 and arthritis. Woolf AD. **Behring Inst Mitt** 1990 Aug;(85):64–8 (12 ref.)

Oral tolerance and collagen arthritis. Staines NA. **Br J Rheumatol** 1991;30 Suppl 2:40–3 (31 ref.)

Are heat-shock proteins relevant to the pathogenesis of inflammatory arthritis? Winfield JB. **Clin Exp Rheumatol** 1991 Jan–Feb;9(1):67–71 (39 ref.)

Arthritis and athletics. Dorr LD. **Clin Sports Med** 1991 Apr; 10(2):343–57 (12 ref.)

Juvenile chronic arthritis, juvenile rheumatoid arthritis, and inflammatory arthropathies of childhood. Ansell BM. **Curr Opin Rheumatol** 1990 Oct;2(5):799–803 (30 ref.)

Chronic inflammatory joint diseases: natural inhibitors of interleukin 1 and tumor necrosis factor alpha. Dayer JM. **J Rheumatol Suppl** 1991 Feb;27:71–5 (33 ref.)

The role of the kallikrein-kinin system in joint inflammatory disease. Sharma JN. **Pharmacol Res** 1991 Feb;23(2):105–12 (47 ref.)

Iron free radicals and arthritis. Blake DR, et al. **Proc Nutr Soc** 1990 Jul;49(2):239–45 (38 ref.)

Immunoglobulin E, mast cells, endogenous antigens, and arthritis. Gruber BL. **Rheum Dis Clin North Am** 1991 May; 17(2):333–42 (84 ref.)

Does food cause or cure arthritis? Panush RS. **Rheum Dis Clin North Am** 1991 May;17(2):259–72 (128 ref.)

Crystal-induced inflammation: studies of the mechanism of crystal–membrane interactions. Burt HM, et al. **Scanning Microsc** 1991 Mar;5(1):273–9; discussion 279–80 (45 ref.)

[Current aspects in the etiopathogenesis of inflammatory joint diseases] Sheitanov I. **Vutr Boles** 1990;29(5):1–7 (0 ref.) **(Bul)**

[Rheumatism in Crohn's disease. New facts, new ideas (editorial)] Le Quintrec JL. **Presse Med** 1991 May 25; 20(20):933–5 (10 ref.) **(Fre)**

[Chronic arthritis and synovitis in sarcoidosis in adults. Apropos of 2 new cases] Bouvier M, et al. **Rev Rhum Mal Osteoartic** 1991 Apr;58(4):287–90 (12 ref.) **(Fre)**

[Arthritis in mucoviscidosis. 4 new cases and review of the literature] Pertuiset E, et al. **Rev Rhum Mal Osteoartic** 1991 Mar;58(3):157–62 (30 ref.) (Eng. Abstr.) **(Fre)**

[Orthopedic aspects of Crohn disease. Examples of extra-intestinal organ manifestations] Sons HU, et al. **Beitr Orthop Traumatol** 1990 Oct;37(10):539–44 (40 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Small intestinal mucosal protection mechanisms and their importance in rheumatology. O'Mahony S, et al. **Ann Rheum Dis** 1991 May;50(5):331–6 (71 ref.)

T cell regulation in autoimmune arthritis: possibilities for immunological intervention. van Eden W. **Immunol Res** 1990;9(3):157–63 (20 ref.)

Type II collagen autoimmunity in animals and provocations leading to arthritis. Holmdahl R, et al. **Immunol Rev** 1990 Dec;118:193–232 (149 ref.)

Fish oil fatty acids and experimental arthritis. Cathcart ES, et al. **Rheum Dis Clin North Am** 1991 May;17(2):235–42 (49 ref.)

Antigens, the gastrointestinal tract, and arthritis. Inman RD. **Rheum Dis Clin North Am** 1991 May;17(2):309–21 (87 ref.)

Inflammation in HLA-B27–associated diseases. Leirisalo-Repo M. **Scand J Rheumatol Suppl** 1990;87:140–7; discussion 147 (69 ref.)

[Molecular mimicking in rheumatic inflammatory pathogenesis (editorial)] Toubert A. **Presse Med** 1991 Apr 13;20(14):627–8 (10 ref.) **(Fre)**

METABOLISM

Lipoxygenase products of arachidonic acid in psoriasis, atopic dermatitis, and experimental arthritis. Fogh K. **Dan Med Bull** 1990 Aug;37(4):289–308 (238 ref.)

Clinical implications of cartilage metabolism in arthritis. Krane SM, et al. **Eur J Rheumatol Inflamm** 1990;10(1):4–9 (14 ref.)

Oxygen radicals, inflammation, and arthritis: pathophysiological considerations and implications for treatment. Greenwald RA. **Semin Arthritis Rheum** 1991 Feb;20(4):219–40 (173 ref.)

PATHOLOGY

Clinical and radiographic features of Reiter's syndrome and inflammatory bowel disease related to arthritis. Mielants H, et al. **Curr Opin Rheumatol** 1990 Aug;2(4):570–6 (28 ref.)

Impact of NSAID and steroids on cartilage destruction in murine antigen induced arthritis. van den Berg WB. **J Rheumatol Suppl** 1991 Feb;27:122–3 (12 ref.)

PHYSIOPATHOLOGY

Hyaluronate in rheumatology and orthopaedics: is there a role? Strachan RK, et al. **Ann Rheum Dis** 1990 Nov; 49(11):949–52 (80 ref.)

Arthritis and headache. Besson JM. **Can J Physiol Pharmacol** 1991 May;69(5):635–6 (0 ref.)

RADIOGRAPHY

Arthritis: roles of radiography and other imaging techniques in evaluation. Kaye JJ. **Radiology** 1990 Dec;177(3):601–8 (75 ref.)

[Imaging of arthritis and algodystrophy of the hip] Garcia J, et al. **J Radiol** 1990 Nov;71(11):607–16 (38 ref.) **(Fre)**

[Imaging of infections of the locomotor apparatus] Garcia J. **J Radiol** 1990 Dec;71(12):641–55 (23 ref.) **(Fre)**

SURGERY

Ten-year results of tibial osteotomy for medial gonarthrosis. The influence of overcorrection. Odenbring S, et al. **Arch Orthop Trauma Surg** 1991;110(2):103–8 (34 ref.)

THERAPY

Research priorities for arthritis professional education. Palchik NS, et al. **Arthritis Rheum** 1991 Feb;34(2):234–40 (23 ref.)

Arthritis and adaptive walking and running. Allen ME. **Rheum Dis Clin North Am** 1990 Nov;16(4):887–914 (174 ref.)

Exercise in patients with inflammatory arthritis and connective tissue disease. Hicks JE. **Rheum Dis Clin North Am** 1990 Nov;16(4):845–70 (63 ref.)

Resistance exercise training for persons with arthritis. McCubbin JA. **Rheum Dis Clin North Am** 1990 Nov; 16(4):931–43 (30 ref.)

Exercise and arthritis. Adaptive bicycling. Namey TC. **Rheum Dis Clin North Am** 1990 Nov;16(4):871–86 (34 ref.)

Exercise and arthritis. Kinesiology and the degenerative joint. Pothier B, et al. **Rheum Dis Clin North Am** 1990 Nov; 16(4):989–1002 (22 ref.)

ULTRASONOGRAPHY

[Sonography of the wrist and the hand] Milbradt H, et al. **Radiologe** 1990 Aug;30(8):360–5 (11 ref.) (Eng. Abstr.) **(Ger)**

ARTHRITIS, ADJUVANT

An animal model of food allergic arthritis. Panush RS. **Rheum Dis Clin North Am** 1991 May;17(2):251–7 (36 ref.)

IMMUNOLOGY

Proteoglycan-specific autoreactive antibodies and T-lymphocytes in experimental arthritis and human rheumatoid joint diseases. Glant TT, et al. **Biochem Soc Trans** 1990 Oct;18(5):796–9 (40 ref.)

PATHOLOGY

In vivo evidence for a key role of IL-1 in cartilage destruction in experimental arthritis. van den Berg WB, et al. **Agents Actions Suppl** 1991;32:159–63 (6 ref.)

PHYSIOPATHOLOGY

Central neurophysiological processing of joint pain on the basis of studies performed in normal animals and in models of experimental arthritis. Guilbaud G. **Can J Physiol Pharmacol** 1991 May;69(5):637–46 (46 ref.)

ARTHRITIS, BACTERIAL see **ARTHRITIS, INFECTIOUS**

ARTHRITIS, DEGENERATIVE see **OSTEOARTHRITIS**

ARTHRITIS, GOUTY

DIAGNOSIS

[Gouty arthritis] Saito T. **Nippon Rinsho** 1991 May; 49(5):1065–73 (13 ref.) **(Jpn)**

DRUG THERAPY

Colchicine: a state-of-the-art review. Levy M, et al. **Pharmacotherapy** 1991;11(3):196–211 (168 ref.)

Drugs to lower uric acid levels. How to avoid misuse in gouty arthritis. Edwards NL. **Postgrad Med** 1991 Feb 1; 89(2):111–3, 116 (6 ref.)

[Clinical application of non-steroidal anti-inflammatory drugs for gouty arthritis] Matsumoto Y. **Nippon Rinsho** 1991 May;49(5):1116–23 (11 ref.) **(Jpn)**

EPIDEMIOLOGY

[Osteoarthrosis, gout and arthritis rheumatoid in internal medicine in Kinshasa] Bwanahali K, et al. **Rev Rhum Mal Osteoartic** 1991 Feb;58(2):105–11 (37 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Assessment and management of gouty arthritis. Yeomans AC. **Nurse Pract** 1991 Apr;16(4):18, 21, 25–6 (19 ref.)

ARTHRITIS, INFECTIOUS

Skeletal infections in children. Nelson JD. **Adv Pediatr Infect Dis** 1991;6:59–78 (58 ref.)

Pneumococcal osteomyelitis and arthritis in children. A hospital series and literature review. Jacobs NM. **Am J Dis Child** 1991 Jan;145(1):70–4 (61 ref.)

Parvovirus and epidemic arthritis. Haile CA. **Md Med J** 1990 Oct;39(10):939–44 (28 ref.)

Pyogenic infection of the sacroiliac joint. Case reports and review of the literature. Vyskocil JJ, et al. **Medicine (Baltimore)** 1991 May;70(3):188–97 (53 ref.)

Group C streptococcal arthritis: case report and review. Ortel TL, et al. **Rev Infect Dis** 1990 Sep–Oct;12(5):829–37 (88 ref.)

[Septic arthritis] Lepore L, et al. **Pediatr Med Chir** 1990 Sep–Oct;12(5):443–6 (14 ref.) (Eng. Abstr.) **(Ita)**

[Reactive arthritis. The problems of theory and practice] Agababova ER. **Ter Arkh** 1991;63(5):8–12 (43 ref.) (Eng. Abstr.) **(Rus)**

[The achievements and outlook in the study of the problem of reactive arthritis in children] Kuz'mina NN. **Ter Arkh** 1991;63(5):12–6 (25 ref.) (Eng. Abstr.) **(Rus)**

[Septic arthritis in children] Coll MD, et al. **Cir Pediatr** 1989 Jan;2(1):10–2 (11 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Group G streptococcus septic arthritis and osteomyelitis: report and literature review. Burkert T, et al. **J Rheumatol** 1991 Jun;18(6):904–7 (44 ref.)

Septic arthritis and other infections of rheumatologic significance. Goldenberg DL. **Rheum Dis Clin North Am** 1991 Feb;17(1):149–56 (23 ref.)

[The differential diagnosis of hemarthrosis--septic arthritis in patients with hemophilia] Lenk H, et al. **Kinderarztl Prax** 1990 Jul;58(7):363–5 (9 ref.) (Eng. Abstr.) **(Ger)**

[Neonatal osteomyelitis. Study of a series of 35 cases] Coto Cotallo GD, et al. **An Esp Pediatr** 1990 Nov;33(5):429–34 (28 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Value of microbiologic studies for diagnosis of post-enteritis reactive arthritis] Müller KD. **Z Rheumatol** 1990 Nov–Dec; 49(6):364–8 (27 ref.) (Eng. Abstr.) **(Ger)**

[Use of microbiologic-serologic studies for Chlamydia and Mycoplasma in differential diagnosis of inflammatory rheumatic diseases] von Recklinghausen G. **Z Rheumatol** 1990 Nov–Dec;49(6):361–3 (31 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Salmonella septic arthritis: a case report and review. Morgan MG, et al. **J Infect** 1990 Sep;21(2):195–203 (28 ref.)

[The basic principles of the therapy of reactive arthritis] Shubin SV. **Ter Arkh** 1991;63(5):122–4 (15 ref.) **(Rus)**

[Use of fluoroquinolone chemotherapy in orthopedics and traumatology] Krčméry V Jr. **Acta Chir Orthop Traumatol Cech** 1991 Mar;58(1-2):37–46 (39 ref.) (Eng. Abstr.) **(Slo)**

ETIOLOGY

Role of bacterial debris in inflammatory diseases of the joint and eye. Fox A. **APMIS** 1990 Nov;98(11):957–68 (99 ref.)

Do infectious agents cause rheumatoid arthritis? Wilder RL, et al. **Clin Orthop** 1991 Apr;(265):36–41 (36 ref.)

Spirochetal arthritis, including Lyme disease. Cooke WD, et al. **Curr Opin Rheumatol** 1990 Aug;2(4):622–7 (27 ref.)

Infection as a trigger to connective tissue disease. Goldenberg DL. **Curr Opin Rheumatol** 1990 Aug;2(4):648–51 (21 ref.)

Virus-related arthritis, excluding human immunodeficiency virus. Smith CA. **Curr Opin Rheumatol** 1990 Aug; 2(4):635–41 (25 ref.)

Bacterial arthritis and osteitis in adults. Ytterberg SR, et al. **Curr Opin Rheumatol** 1990 Aug;2(4):606–15 (39 ref.)

Infectious arthritis. Smith JW. **Infect Dis Clin North Am** 1990 Sep;4(3):523–38 (48 ref.)

Endothelial cells and the pathogenesis of rheumatoid arthritis in humans and streptococcal cell wall arthritis in Lewis rats. Wilder RL, et al. **J Cell Biochem** 1991 Feb;45(2):162–6 (34 ref.)

Septic arthritis due to group C streptococcus: report and review of the literature. Ike RW. **J Rheumatol** 1990 Sep; 17(9):1230–6 (52 ref.)

Sexually transmitted arthritis syndromes. Keat A. **Med Clin North Am** 1990 Nov;74(6):1617–31 (96 ref.)

Intracellular pathogens and professional phagocytes in reactive arthritis. Wuorela M, et al. **Pathobiology** 1991; 59(3):162–5 (39 ref.)

Sternoclavicular septic arthritis due to haemophilus influenzae. Koroscil TM, et al. **South Med J** 1990 Dec; 83(12):1469–71 (3 ref.)

Reactive arthritis due to hidradenitis suppurativa mimicking osteomyelitis. Tallo R, et al. **South Med J** 1991 Sep; 84(9):1147–9 (17 ref.)

The role of infectious agents in the etiopathogenesis of chronic rheumatic diseases. Weyand CM, et al. **Verh Dtsch Ges Inn Med** 1990;96:319–24 (13 ref.)

[Rheumatological manifestations of Lyme disease in Switzerland] Chamot E. **Rev Med Suisse Romande** 1990 Oct;110(10):865–72 (25 ref.) **(Fre)**

[Coxitis in Lyme disease] Spahr L, et al. **Rev Med Suisse Romande** 1990 Dec;110(12):1033–8 (19 ref.) **(Fre)**

[Reactive arthritis and juxta-articular rheumatism in Trichomonas vaginitis] Bianucci G, et al. **Rev Rhum Mal Osteoartic** 1991 Jun;58(6):473–5 (21 ref.)

(Fre)

[Reactive arthritis] Gerster JC. **Schweiz Rundsch Med Prax** 1991 Apr 9;80(15):373–5 (16 ref.) (Fre)

MICROBIOLOGY

The role of the streptococcus in poststreptococcal reactive arthritis and childhood polyarteritis nodosa. Fink CW. **J Rheumatol Suppl** 1991 Apr;29:14–20 (27 ref.)

[Skin manifestations of infection by Borrelia burgdorferi] Soria C, et al. **Enferm Infecc Microbiol Clin** 1990 Jan; 8(1):36–42 (60 ref.) (Eng. Abstr.) (Spa)

PATHOLOGY

Septic arthritis and osteomyelitis in children. Petty RE. **Curr Opin Rheumatol** 1990 Aug;2(4):616–21 (17 ref.)

RADIOGRAPHY

[Imaging of infectious sacroiliitis] Chevalley P, et al. **J Radiol** 1991 Jan;72(1):1–10 (23 ref.) (Eng. Abstr.) (Fre)

RADIONUCLIDE IMAGING

Radionuclide imaging in suspected bone and joint infection. Schauwecker DS. **Curr Opin Radiol** 1990 Dec;2(6):827–33 (27 ref.)

SURGERY

Surgical treatment of septic arthritis and infected prostheses. Hanssen AD. **Curr Opin Rheumatol** 1990 Feb;2(1):154–9 (18 ref.)

[Irrigation drainage in local treatment of infection of bones and joints] Wörsdörfer O, et al. **Aktuel Probl Chir Orthop** 1990;34:55–64 (30 ref.) (Ger)

THERAPY

Adult septic arthritis. Esterhai JL Jr, et al. **Orthop Clin North Am** 1991 Jul;22(3):503–14 (57 ref.)

ARTHRITIS, JUVENILE RHEUMATOID

[Juvenile rheumatoid arthritis] Falcini F, et al. **Pediatr Med Chir** 1990 Sep–Oct;12(5):453–61 (26 ref.) (Eng. Abstr.) (Ita)

[Juvenile rheumatoid arthritis: review and update] Hilário MO, et al. **Rev Paul Med** 1991 Jan–Feb;109(1):35–40 (26 ref.) (Eng. Abstr.) (Por)

COMPLICATIONS

Amyloidosis in juvenile chronic arthritis. David J. **Clin Exp Rheumatol** 1991 Jan–Feb;9(1):73–8 (64 ref.)

Uveitis in juvenile chronic arthritis. Kanski JJ. **Clin Exp Rheumatol** 1990 Sep–Oct;8(5):499–503 (21 ref.)

[Uveitis and rheumatic diseases] Malaise–Stals J. **Bull Soc Belge Ophtalmol** 1989;230:3–12 (32 ref.) (Eng. Abstr.) (Fre)

[Still's disease in adults with disseminated intravascular coagulation] Aellen P, et al. **Schweiz Rundsch Med Prax** 1991 Apr 9;80(15):376–8 (22 ref.) (Eng. Abstr.) (Fre)

DIAGNOSIS

Preschool sarcoidosis masquerading as juvenile rheumatoid arthritis: two case reports and a review of the literature. Sahn EE, et al. **Pediatr Dermatol** 1990 Sep;7(3):208–13 (34 ref.)

DRUG THERAPY

Growth retardation in juvenile chronic arthritis patients treated with steroids. Falcini F, et al. **Clin Exp Rheumatol** 1991 Jan–Feb;9 Suppl 6:37–40 (8 ref.)

Medical treatment of juvenile arthritis. Fink CW. **Clin Orthop** 1990 Oct;(259):60–9 (49 ref.)

Clinical pharmacokinetics of drugs used in juvenile arthritis. Skeith KJ, et al. **Clin Pharmacokinet** 1991 Aug;21(2):129–49 (174 ref.)

ETIOLOGY

Juvenile chronic arthritis, juvenile rheumatoid arthritis, and inflammatory arthropathies of childhood. Ansell BM. **Curr Opin Rheumatol** 1990 Oct;2(5):799–803 (30 ref.)

GENETICS

Genetic aspects of juvenile chronic arthritis. Woo P. **Clin Orthop** 1990 Oct;(259):11–7 (43 ref.)

HLA susceptibility genes in rheumatoid factor positive juvenile rheumatoid arthritis. Vehe RK, et al. **J Rheumatol Suppl** 1990 Nov;26:11–5 (58 ref.)

IMMUNOLOGY

Immunologic abnormalities of juvenile arthritis. Miller JJ 3d. **Clin Orthop** 1990 Oct;(259):23–30 (57 ref.)

Immunogenetics of early onset pauciarticular juvenile rheumatoid arthritis. Melin–Aldana H, et al. **J Rheumatol Suppl** 1990 Nov;26:2–6 (35 ref.)

METABOLISM

Soluble mediators of articular cartilage degradation in juvenile rheumatoid arthritis. Smith RL. **Clin Orthop** 1990 Oct;(259):31–7 (49 ref.)

PHYSIOPATHOLOGY

Growth abnormalities in children with juvenile rheumatoid arthritis. White PH. **Clin Orthop** 1990 Oct;(259):46–50 (44 ref.)

Whipple's disease, familial Mediterranean fever, and adult-onset Still's disease. McMenemy A. **Curr Opin Rheumatol** 1990 Aug;2(4):600–4 (23 ref.)

Nutritional aspects of juvenile rheumatoid arthritis. Henderson CJ, et al. **Rheum Dis Clin North Am** 1991 May; 17(2):403–13 (59 ref.)

[Recent advances in pediatric rheumatic practice. Apropos of systemic forms of juvenile chronic arthritis] Prieur AM. **Arch Fr Pediatr** 1991 Apr;48(4):287–9 (13 ref.) (Fre)

SURGERY

Total hip and knee arthroplasty in juvenile rheumatoid arthritis. Scott RD. **Clin Orthop** 1990 Oct;(259):83–91 (18 ref.)

The surgery of juvenile chronic arthritis. An overview. Swann M. **Clin Orthop** 1990 Oct;(259):70–5 (13 ref.)

ARTHRITIS, PSORIATIC

Psoriasis and arthritis. Cats A. **Cutis** 1990 Oct;46(4):323–9 (80 ref.)

Psoriatic arthritis. Finzi AF, et al. **Int J Dermatol** 1991 Jan; 30(1):1–7 (94 ref.)

Psoriatic arthritis—review of current concepts. Gladman DD. **Isr J Med Sci** 1991 Apr;27(4):228–33 (57 ref.)

COMPLICATIONS

[Psoriatic acropachydermy] Marguery MC, et al. **Ann Dermatol Venereol** 1991;118(5):373–6 (16 ref.) (Eng. Abstr.) (Fre)

[A case of psoriatic arthropathy complicated with clinical feature of ankylosing spondylitis] Yamamoto O, et al. **Nippon Hifuka Gakkai Zasshi** 1990 Nov;100(12):1263–9 (58 ref.) (Eng. Abstr.) (Jpn)

DRUG THERAPY

Psoriatic arthritis: the use of disease suppressing agents in its management. Grinlinton F, et al. **N Z Med J** 1990 Sep 26;103(898):450–2 (23 ref.)

ETIOLOGY

Psoriasis and psoriatic arthritis associated with human immunodeficiency virus infection. Arnett FC, et al. **Rheum Dis Clin North Am** 1991 Feb;17(1):59–78 (119 ref.)

IMMUNOLOGY

Psoriatic arthritis of the temporomandibular joints with ankylosis. Literature review and case reports. Koorbusch GF, et al. **Oral Surg Oral Med Oral Pathol** 1991 Mar; 71(3):267–74 (48 ref.)

[HLA-B and psoriatic rheumatism. Study of 193 cases] Fournié B, et al. **Rev Rhum Mal Osteoartic** 1991 Apr; 58(4):269–73 (18 ref.) (Eng. Abstr.) (Fre)

PATHOLOGY

Psoriatic arthropathy of the temporomandibular joint. Wilson AW, et al. **Oral Surg Oral Med Oral Pathol** 1990 Nov; 70(5):555–8 (23 ref.)

PHYSIOPATHOLOGY

Psoriatic arthritis. Gladman DD. **Curr Opin Rheumatol** 1990 Aug;2(4):577–81 (18 ref.)

RADIOGRAPHY

Psoriatic involvement of the temporomandibular joint. Literature review and report of two cases. Miles DA, et al. **Oral Surg Oral Med Oral Pathol** 1991 Jun;71(6):770–4 (9 ref.)

ARTHRITIS, RHEUMATOID

Animal models of chronic inflammatory arthritis. Magilavy DB. **Clin Orthop** 1990 Oct;(259):38–45 (67 ref.)

Rheumatoid arthritis. Goust JM. **Immunol Ser** 1990;50:465–79 (6 ref.)

BLOOD

[Anti-radical enzymes, oxygenated free radicals and lipoperoxydation in rheumatoid polyarthritis. Effects of treatment with D-penicillamine] Abella A, et al. **Rev Rhum Mal Osteoartic** 1990 Dec;57(12):855–61 (46 ref.) (Eng. Abstr.) (Fre)

[Metals, inflammation and rheumatoid polyarthritis] Cutolo M, et al. **Rev Rhum Mal Osteoartic** 1990 Dec;57(12):895–8 (22 ref.) (Fre)

[Proteinases, protease inhibitors and antirheumatic therapy] Rudenko VG, et al. **Revmatologiia (Mosk)** 1990 Jul–Sep; (3):32–8 (69 ref.) (Rus)

COMPLICATIONS

Rheumatoid arthritis, malignancy, and paraproteins. Kelly C, et al. **Ann Rheum Dis** 1990 Sep;49(9):657–9 (25 ref.)

Osteoporosis in rheumatoid arthritis--the laboratory perspective [editorial] Peel NF, et al. **Br J Rheumatol** 1991 Apr;30(2):84–5 (38 ref.)

Surgical correction of severe forefoot deformities in rheumatoid arthritis. Plattner PF. **Curr Opin Rheumatol** 1990 Feb;2(1):188–9 (1 ref.)

Rheumatic manifestations in myelodysplastic syndromes. Castro M, et al. **J Rheumatol** 1991 May;18(5):721–7 (14 ref.)

Factor V deficiency in a patient with rheumatoid arthritis. Omata F, et al. **Jpn J Med** 1991 Mar–Apr;30(2):157–60 (13 ref.)

Renal disorders in rheumatoid arthritis. Boers M. **Semin Arthritis Rheum** 1990 Aug;20(1):57–68 (146 ref.)

Osteoporosis associated with rheumatoid arthritis: pathogenesis and management. Joffe I, et al. **Semin Arthritis Rheum** 1991 Feb;20(4):256–72 (153 ref.)

[Pleuropulmonary manifestations of rheumatoid arthritis] Gayraud M, et al. **Ann Med Interne (Paris)** 1990; 141(5):437–46 (139 ref.) (Fre)

[Pleuro-pulmonary manifestations of rheumatoid polyarthritis] Perez T, et al. **Rev Mal Respir** 1991; 8(2):169–89 (255 ref.) (Eng. Abstr.) (Fre)

[Heart valve lesions in rheumatoid polyarthritis. Apropos of 2 cases] Beauvais C, et al. **Rev Rhum Mal Osteoartic** 1991 Jan;58(1):47–51 (21 ref.) (Fre)

[Heel involvement in rheumatoid polyarthritis] Bouysset M, et al. **Rev Rhum Mal Osteoartic** 1990 Nov;57(11):799–803 (28 ref.) (Eng. Abstr.) (Fre)

[Association of rheumatoid polyarthritis and large granular lymphocyte lymphocytosis or pseudo-Felty's syndrome: a new case, with eosinophilia and without neutropenia] Lafforgue P, et al. **Rev Rhum Mal Osteoartic** 1991 Jun; 58(6):477–80 (22 ref.) (Fre)

[Osteolytic forms of rheumatoid polyarthritis. Personal cases and review of the literature] Tavernier C, et al. **Rev Rhum Mal Osteoartic** 1991 Feb;58(2):81–8 (36 ref.) (Eng. Abstr.) (Fre)

[Nephropathy in rheumatoid arthritis] Onetti Muda A, et al. **Pathologica** 1990 Nov–Dec;82(1082):617–26 (45 ref.) (Eng. Abstr.) (Ita)

[An open lung biopsy case of follicular bronchiolitis in rheumatoid arthritis] Kusume K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Jun; 28(6):906–12 (8 ref.) (Eng. Abstr.) (Jpn)

[Hemangioblastoma associated with syringomyelia and syringobulbia in a patient with rheumatoid arthritis] Bonet M, et al. **Arch Neurobiol (Madr)** 1990 Mar–Apr;53(2):89–91 (6 ref.) (Eng. Abstr.) (Spa)

DIAGNOSIS

Diagnosing rheumatoid arthritis: current criteria. Smith CA, et al. **Am Fam Physician** 1991 Sep;44(3):863–70 (10 ref.)

Polyarthritis. A diagnostic approach. Webb J, et al. **Aust Fam Physician** 1990 Oct;19(10):1533, 1536–7, 1540–2 (4 ref.)

Advances in imaging of rheumatoid arthritis. Murakami DM, et al. **Clin Orthop** 1991 Apr;(265):83–95 (67 ref.)

Diagnosis of rheumatoid arthritis. Medical and laboratory aspects. Persselin JE. **Clin Orthop** 1991 Apr;(265):73–82 (98 ref.)

Assessment of rheumatoid arthritis. Bacon PA, et al. **Curr Opin Rheumatol** 1991 Jun;3(3):421–8 (38 ref.)

The rheumatoid cervical spine. Konttinen YT, et al. **Curr Opin Rheumatol** 1991 Jun;3(3):429–40 (26 ref.)

Arthropathy of Down syndrome. Olson JC, et al. **Pediatrics** 1990 Dec;86(6):931–6 (31 ref.)

[Laboratory studies in rheumatology—essential and non-essential laboratory diagnosis] Kolarz G. **Verh Dtsch Ges Inn Med** 1990;96:326–31 (16 ref.) (Ger)

[The cricoarytenoid joint in chronic polyarthritis] Bolten W. **Z Rheumatol** 1991 Jan–Feb;50(1):1–5 (53 ref.) (Eng. Abstr.) (Ger)

[The foot in rheumatoid arthritis] De Palma L, et al. **Arch Putti Chir Organi Mov** 1990;38(2):285–95 (24 ref.) (Eng. Abstr.) (Ita)

[Diagnosis and therapy of chronic rheumatoid arthritis] Kashiwazaki S. **Nippon Naika Gakkai Zasshi** 1991 Mar 10; 80(3):404–10 (20 ref.) (Jpn)

[Magnetic resonance imaging of the spine in rheumatoid arthritis] Imakiire A, et al. **Ryumachi** 1990 Jun;30(3):223–32 (12 ref.) (Jpn)

DIET THERAPY

Fasting, intestinal permeability, and rheumatoid arthritis. Sköldstam L, et al. **Rheum Dis Clin North Am** 1991 May; 17(2):363–71 (51 ref.)

Studies of dietary supplementation with omega 3 fatty acids in patients with rheumatoid arthritis. Kremer JM, et al. **World Rev Nutr Diet** 1991;66:367–82 (27 ref.)

Rheumatoid arthritis and inflammatory mediators. Robinson DR, et al. **World Rev Nutr Diet** 1991;66:44–7 (4 ref.)

DRUG THERAPY

Rheumatoid arthritis: current concepts and management, Part 2. Sterling LP. **Am Pharm** 1990 Sep;NS30(9):49–54 (27 ref.)

Drug treatment of progressive rheumatoid arthritis.

Champion GD, et al. **Ann Acad Med Singapore** 1991 Jan; 20(1):127–32 (36 ref.)

The changing pattern in the search for new anti-rheumatic drugs. Willoughby DA. **Ann Ital Med Int** 1988;3 Suppl 1:67–70 (15 ref.)

Combination chemotherapy in rheumatoid arthritis. Brooks PM, et al. **Ann Rheum Dis** 1991 Jul;50(7):507–9 (53 ref.)

Assessment of antirheumatic activity in man. Bellamy N, et al. **Baillieres Clin Rheumatol** 1990 Dec;4(3):433–65 (124 ref.)

The gold complexes. Champion GD, et al. **Baillieres Clin Rheumatol** 1990 Dec;4(3):491–534 (223 ref.)

Corticosteroid therapy in rheumatoid arthritis. George E, et al. **Baillieres Clin Rheumatol** 1990 Dec;4(3):621–47 (121 ref.)

Intramuscular versus oral gold therapy. Kean WF. **Baillieres Clin Rheumatol** 1991 Aug;4(2):219–46 (127 ref.)

Disease-modifying antirheumatic and immunoregulatory agents. Rainsford KD. **Baillieres Clin Rheumatol** 1990 Dec; 4(3):405–32 (190 ref.)

Combination therapy in rheumatoid arthritis. Schwarzer AC, et al. **Baillieres Clin Rheumatol** 1990 Dec;4(3):663–85 (74 ref.)

Methotrexate—the rapidly acting drug. Songsiridej N, et al. **Baillieres Clin Rheumatol** 1990 Dec;4(3):575–93 (140 ref.)

The risks of antimalarial retinopathy, azathioprine lymphoma and methotrexate hepatotoxicity during the treatment of rheumatoid arthritis. Urowitz MB, et al. **Baillieres Clin Rheumatol** 1991 Aug;4(2):193–206 (76 ref.)

Disease modifying drugs for rheumatoid arthritis: yesterday's treatment today or today's treatment tomorrow? Pullar T. **Br J Clin Pharmacol** 1990 Oct;30(4):501–10 (73 ref.)

Current medicinal approaches to the treatment of rheumatoid arthritis. Paulus HE. **Clin Orthop** 1991 Apr;(265):96–102 (25 ref.)

Disease-modifying agents and experimental treatments of rheumatoid arthritis. Weinblatt ME, et al. **Clin Orthop** 1991 Apr;(265):103–15 (99 ref.)

Disease-modifying antirheumatic drugs: gold, penicillamine, antimalarials, and sulfasalazine. McConkey B. **Curr Opin Rheumatol** 1991 Jun;3(3):348–54 (38 ref.)

Control of oxidative damage in rheumatoid arthritis by gold(I)-thiolate drugs. Grootveld M, et al. **Free Radic Res Commun** 1990;10(4–5):199–220 (116 ref.)

Severe rheumatoid arthritis: current options in drug therapy. Kremer JM. **Geriatrics** 1990 Dec;45(12):43–8 (21 ref.)

Long acting drug combinations in rheumatoid arthritis: a formal overview. Boers M, et al. **J Rheumatol** 1991 Mar; 18(3):316–24 (31 ref.)

Pulsed suppressive treatment in rheumatoid arthritis: intravenous methylprednisolone and nitrogen mustard. Danao T, et al. **J Rheumatol** 1990 Jul;17(7):893–9 (41 ref.)

Combination therapy of rheumatoid arthritis—rationale and overview. Jaffe IA. **J Rheumatol Suppl** 1990 Nov;25:24–7 (22 ref.)

Challenging the pyramid. A new look at terapeutic approaches for rheumatoid arthritis. Patient selection. Katz WA. **J Rheumatol Suppl** 1990 Nov;25:39–41 (30 ref.)

Azathioprine and methotrexate as combination chemotherapy in rheumatoid arthritis. McKendry RJ. **J Rheumatol Suppl** 1990 Nov;25:28–33 (29 ref.)

Challenging the pyramid. A new look at therapeutic approaches for rheumatoid arthritis. Earlier intervention with second line therapies. Ward JR. **J Rheumatol Suppl** 1990 Nov;25:18–23 (46 ref.)

Rheumatoid arthritis. New developments in treatment. Corman LC. **Postgrad Med** 1991 Feb 1;89(2):75–7, 81–2, 87–90 (24 ref.)

Penicillamine and wound healing in rheumatoid arthritis. Ansell BM, et al. **Proc R Soc Med** 1977;70 Suppl 3:75–7 (5 ref.)

Is the mechanism of action during treatment of rheumatoid arthritis with penicillamine and gold thiomalate the same? Jellum E, et al. **Proc R Soc Med** 1977;70 Suppl 3:136–9 (9 ref.)

Clinical studies of omega-3 fatty acid supplementation in patients who have rheumatoid arthritis. Kremer JM. **Rheum Dis Clin North Am** 1991 May;17(2):391–402 (25 ref.)

Proposition: methotrexate should not be the first second-line agent to be used in rheumatoid arthritis if NSAIDs fail. Furst DE. **Semin Arthritis Rheum** 1990 Oct;20(2):69–75 (64 ref.)

Long-term methotrexate therapy for rheumatoid arthritis. Scully CJ, et al. **Semin Arthritis Rheum** 1991 Apr; 20(5):317–31 (120 ref.)

Methotrexate: mechanism of action in rheumatoid arthritis. Segal R, et al. **Semin Arthritis Rheum** 1990 Dec; 20(3):190–200 (25 ref.)

Resolve: methotrexate is the drug of choice after NSAIDs in rheumatoid arthritis. Willkens RF. **Semin Arthritis Rheum** 1990 Oct;20(2):76–80 (60 ref.)

Pneumocystis carinii pneumonia complicating low dose methotrexate treatment for rheumatoid arthritis. Wollner A, et al. **Thorax** 1991 Mar;46(3):205–7 (12 ref.)

[Advances in the research on antirheumatic drug: sulfasalazine] Li ZG, et al. **Chung Hua Nei Ko Tsa Chih** 1990 Apr;29(4):243–5 (15 ref.) **(Chi)**

[Difficulties in the evaluation of the basic treatment of rheumatoid polyarthritis: a role for the scales of quality of life?] Avouac B. **Rev Rhum Mal Osteoartic** 1991 Apr; 58(3 (Pt 2)):60S–64S (22 ref.) (Eng. Abstr.) **(Fre)**

[Acute mastitis in rheumatoid polyarthritis with Gougerot-Sjögren syndrome treated with tiopronin (Acadione)] Gregoir C, et al. **Rev Rhum Mal Osteoartic** 1991 Mar;58(3):203–6 (19 ref.) **(Fre)**

[Treatment of rheumatoid polyarthritis with methotrexate] Hilliquin P, et al. **Rev Rhum Mal Osteoartic** 1991 Jun; 58(6):419–26 (44 ref.) (Eng. Abstr.) **(Fre)**

[Methotrexate. Pharmacology applied to the treatment of rheumatoid arthritis] Chassagne P, et al. **Therapie** 1990 Nov-Dec;45(6):499–504 (36 ref.) (Eng. Abstr.) **(Fre)**

[Percutaneous therapy with non-steroidal anti-inflammatory drugs. Pharmacokinetic criteria of effectiveness] Chlud K, et al. **Fortschr Med** 1991 Jan 20;109(2):59–60, 63–4; discussion 56 (0 ref.) (Eng. Abstr.) **(Ger)**

[Therapy with analgesics and anti-rheumatic agents in the aged] Hackenthal E. **Verh Dtsch Ges Inn Med** 1990; 96:274–85 (95 ref.) **(Ger)**

[Anti-rheumatic agents: when—which ones?] Miehlke K. **Verh Dtsch Ges Inn Med** 1990;96:182–7 (3 ref.) **(Ger)**

[Rheumatic manifestations—when and how to treat?] Schattenkirchner M. **Verh Dtsch Ges Inn Med** 1990; 96:95–105 (7 ref.) **(Ger)**

[Percutaneous rheumatoid therapy] Wagener HH. **Verh Dtsch Ges Inn Med** 1990;96:332–40 (6 ref.) **(Ger)**

[Central analgesic effects of non-steroidal anti-rheumatic agents] Jurna I. **Z Rheumatol** 1991;50 Suppl 1:7–13 (46 ref.) (Eng. Abstr.) **(Ger)**

[A case report of rheumatoid arthritis which showed acute renal failure, nephrotic syndrome and drug-related lupus-like syndrome caused by D-penicillamine] Suda M, et al. **Nippon Jinzo Gakkai Shi** 1990 Nov;32(11):1235–41 (28 ref.) (Eng. Abstr.) **(Jpn)**

[Immunomodulating therapy of rheumatoid arthritis] Balabanova RM, et al. **Revmatologiia (Mosk)** 1990 Jul-Sep; (3):38–44 (80 ref.) **(Rus)**

[Comparative effectiveness and combined administration of basic drugs in rheumatoid arthritis] Noskov SM, et al. **Revmatologiia (Mosk)** 1991 Jan-Mar;(1):26–9 (63 ref.) **(Rus)**

ENZYMOLOGY

Activation of phospholipase A2 in rheumatoid arthritis. Bomalaski JS, et al. **Adv Exp Med Biol** 1990;279:231–8 (31 ref.)

[Proteolytic enzymes and the destruction of articular cartilage in arthritis and chronic polyarthritis] Mohamed-Ali H. **Wien Med Wochenschr** 1991;141(4):77–85 (90 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

Epidemiology of rheumatoid arthritis: update. Hochberg MC, et al. **Epidemiol Rev** 1990;12:247–52 (48 ref.)

Rheumatoid arthritis. Spector TD. **Rheum Dis Clin North Am** 1990 Aug;16(3):513–37 (214 ref.)

[Osteoarthrosis, gout and arthritis rheumatoid in internal medicine in Kinshasa] Bwanahali K, et al. **Rev Rhum Mal Osteoartic** 1991 Feb;58(2):105–11 (37 ref.) (Eng. Abstr.) **(Fre)**

[Exogenous and endogenous risk factors in rheumatoid arthritis (review of the literature and personal data)] Barbar LM. **Revmatologiia (Mosk)** 1990 Apr-Jun;(2):51–4 (23 ref.) **(Rus)**

ETIOLOGY

Pregnancy and its effect on the risk of developing rheumatoid arthritis. Hazes JM. **Ann Rheum Dis** 1991 Feb;50(2):71–2 (27 ref.)

The potential role of B-lymphocytes in the pathogenesis of rheumatoid arthritis. Andrew EM, et al. **Br J Rheumatol** 1991;30 Suppl 1:47–52 (53 ref.)

The immunopathogenesis of rheumatoid arthritis. Kingsley G, et al. **Br J Rheumatol** 1991;30 Suppl 2:3–5 (15 ref.)

Antigen presentation in joints in the pathogenesis of arthritis. Klareskog L. **Br J Rheumatol** 1991;30 Suppl 1:53–7 (40 ref.)

Animal models of rheumatoid arthritis. Clues to etiology and treatment. Brahn E. **Clin Orthop** 1991 Apr;(265):42–53 (124 ref.)

Animal models of rheumatoid arthritis. Wooley PH. **Curr Opin Rheumatol** 1991 Jun;3(3):407–20 (41 ref.)

Effects of lymphokines on rheumatoid arthritis. Brinckerhoff CE. **Immunol Ser** 1990;52:85–100 (34 ref.)

Endothelial cells and the pathogenesis of rheumatoid arthritis in humans and streptococcal cell wall arthritis in Lewis rats. Wilder RL, et al. **J Cell Biochem** 1991 Feb;45(2):162–6 (34 ref.)

Dietary omega-3 fatty acids: effects on lipid mediators of inflammation and rheumatoid arthritis. Sperling RI. **Rheum Dis Clin North Am** 1991 May;17(2):373–89 (55 ref.)

The role of infectious agents in the etiopathogenesis of chronic rheumatic diseases. Weyand CM, et al. **Verh Dtsch Ges Inn Med** 1990;96:319–24 (13 ref.)

[Food, diets and rheumatoid arthritis] Panush RS. **Rev Rhum Mal Osteoartic** 1991 Apr;58(3 (Pt 2)):35S–42S (107 ref.) **(Fre)**

[The role of neutrophils in nonspecific immunity in patients with rheumatoid arthritis] Bernacka K, et al. **Postepy Hig Med Dosw** 1989;43(5–6):411–22 (69 ref.) (Eng. Abstr.) **(Pol)**

[Arthrosis can be caused by growth of the articular head] Hulth A. **Lakartidningen** 1991 May 1;88(18):1696–9 (33 ref.) **(Swe)**

GENETICS

The familial nature of rheumatoid arthritis. Deighton CM, et al. **Ann Rheum Dis** 1991 Jan;50(1):62–5 (54 ref.)

Polygenic susceptibility in rheumatoid arthritis. Wordsworth P, et al. **Ann Rheum Dis** 1991 Jun;50(6):343–6 (58 ref.)

Immunoglobulin gene expression in systemic rheumatic diseases. Carson DA, et al. **Br J Rheumatol** 1991;30 Suppl 1:43–6 (17 ref.)

Genetics of RA: the HLA shared epitope hypothesis and its implications. Lanchbury JS, et al. **Br J Rheumatol** 1991; 30 Suppl 2:6–9 (15 ref.)

Epidemiologic aspects of rheumatoid arthritis. Current immunogenetic approach. Smith CA, et al. **Clin Orthop** 1991 Apr;(265):23–35 (56 ref.)

[The HLA system and rheumatoid arthritis] Lang B, et al. **Z Rheumatol** 1990 Jul-Aug;49(4):197–207 (105 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Interleukin-1, immune activation pathways, and different mechanisms in osteoarthritis and rheumatoid arthritis. Kirkham B. **Ann Rheum Dis** 1991 Jun;50(6):395–400 (85 ref.)

Cytokine expression in rheumatoid arthritis. Brennan FM, et al. **Br J Rheumatol** 1991;30 Suppl 1:76–80 (42 ref.)

Immunity to heat shock proteins in rheumatoid arthritis. Lydyard PM, et al. **Clin Exp Rheumatol** 1990 Jul-Aug;8 Suppl 5:69–74 (41 ref.)

Antibodies to antinuclear subsets in systemic lupus erythematosus and rheumatoid arthritis. Smolen JS, et al. **Clin Exp Rheumatol** 1990 Jul-Aug;8 Suppl 5:41–4 (23 ref.)

Cellular basis for rheumatoid inflammation. Cush JJ, et al. **Clin Orthop** 1991 Apr;(265):9–22 (94 ref.)

Rheumatoid factors and complex formation. The role of light-chain framework sequences and glycosylation. Hay FC, et al. **Clin Orthop** 1991 Apr;(265):54–62 (65 ref.)

The role of the neutrophil in rheumatoid arthritis. Kitsis E, et al. **Clin Orthop** 1991 Apr;(265):63–72 (85 ref.)

The immunopathogenesis of rheumatoid arthritis. Firestein GS. **Curr Opin Rheumatol** 1991 Jun;3(3):398–406 (63 ref.)

Mechanisms of immune injury in rheumatoid arthritis: evidence for the involvement of T cells and heat-shock protein. Strober S, et al. **Immunol Rev** 1990 Dec;118:233–55 (64 ref.)

Psychoimmunology and rheumatoid arthritis: concepts and methodologies. McFarlane AC, et al. **Int J Psychiatry Med** 1990;20(3):307–22 (83 ref.)

[Antikeratin antibodies in rheumatoid arthritis] Larsen HL. **Ugeskr Laeger** 1991 May 27;153(22):1567–71 (26 ref.) (Eng. Abstr.) **(Dan)**

[Molecular mimicking in rheumatic inflammatory pathogenesis (editorial)] Toubert A. **Presse Med** 1991 Apr 13;20(14):627–8 (10 ref.) **(Fre)**

[The interferon system in rheumatoid arthritis] Seilanov LS, et al. **Revmatologiia (Mosk)** 1990 Apr-Jun;(2):54–60 (71 ref.) **(Rus)**

[Autoimmune pathology of the thyroid gland in rheumatoid arthritis and systemic lupus erythematosus] Serebriakov VG. **Revmatologiia (Mosk)** 1991 Jan-Mar;(1):30–3 (51 ref.) **(Rus)**

METABOLISM

Arthritis and mast cell activation. Mican JM, et al. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 2):677–83 (92 ref.)

[Receptors in rheumatoid arthritis] Tanaka S. **Ryumachi** 1991 Feb;31(1):68–72 (19 ref.) **(Jpn)**

MICROBIOLOGY

Do infectious agents cause rheumatoid arthritis? Wilder RL, et al. **Clin Orthop** 1991 Apr;(265):36–41 (36 ref.)

PARASITOLOGY

[Is there a role for parasites in the etiology of inflammatory rheumatism?] Doury P. **Bull Acad Natl Med** 1990 Jun-Jul; 174(6):743–51; discussion 751–4 (15 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Synovial angiogenesis] Lioté F. **Rev Rhum Mal Osteoartic** 1991 Apr;58(3 (Pt 2)):51S–59S (55 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Is diet important in rheumatoid arthritis? Buchanan HM, et al. **Br J Rheumatol** 1991 Apr;30(2):125–34 (177 ref.)

The cytokine network in rheumatoid arthritis. Wilder RL, et al. **Br J Rheumatol** 1991;30 Suppl 2:44–7 (10 ref.)

Arachidonic acid metabolism: role in inflammation. Samuelsson B. **Z Rheumatol** 1991;50 Suppl 1:3–6 (13 ref.)

[Involvement of blood vessels and hemodynamics in children with rheumatoid arthritis and systemic lupus erythematosus] Kvachadze IM, et al. **Pediatriia** 1991; (5):104–7 (76 ref.) **(Rus)**

PREVENTION & CONTROL

Oral contraception and its possible protection against rheumatoid arthritis. Hazes JM, et al. **Ann Rheum Dis** 1991

Feb;50(2):72–4 (29 ref.)
T cell vaccination in rheumatoid arthritis. van Laar JM, et al. **Br J Rheumatol** 1991;30 Suppl 2:28–9 (5 ref.)

PSYCHOLOGY

Psychological disorders in rheumatoid arthritis: a growing consensus? Creed F. **Ann Rheum Dis** 1990 Oct; 49(10):808–12 (46 ref.)
Methodological issues in the study of personality and psychiatric state in rheumatoid arthritis. Hnatiuk SH, et al. **Int J Psychiatry Med** 1990;20(3):293–306 (87 ref.)
[Psyche and rheumatoid arthritis—a retrospect] Drunkenmölle C. **Z Arztl Fortbild (Jena)** 1990; 84(22):1167–9 (23 ref.) **(Ger)**
[The psychological and psychopathological aspects of rheumatoid arthritis] Nikol'skaia EA. **Ter Arkh** 1990; 62(10):109–17 (107 ref.) **(Rus)**

RADIOGRAPHY

[Carpal instability and secondary degenerative changes in lesions of the radio-carpal ligaments with various etiology] Stäbler A, et al. **Handchir Mikrochir Plast Chir** 1990 Nov; 22(6):289–95 (29 ref.) (Eng. Abstr.) **(Ger)**

REHABILITATION

Current principles of rehabilitation for patients with rheumatoid arthritis. Sutej PG, et al. **Clin Orthop** 1991 Apr; (265):116–24 (73 ref.)
[Physical training of patients with rheumatoid arthritis] Lyngberg KK, et al. **Ugeskr Laeger** 1991 Jun 17; 153(25):1795–8 (30 ref.) (Eng. Abstr.) **(Dan)**

SURGERY

Surgery of the rheumatoid knee. Abernethy PJ. **Ann Rheum Dis** 1990 Oct;49 Suppl 2:830–6 (32 ref.)
The rheumatoid foot: a sideways look. Anderson EG. **Ann Rheum Dis** 1990 Oct;49 Suppl 2:851–7 (16 ref.)
Surgery of the rheumatoid cervical spine. Johnston RA, et al. **Ann Rheum Dis** 1990 Oct;49 Suppl 2:845–50 (25 ref.)
Surgery of the rheumatoid shoulder. Kelly IG. **Ann Rheum Dis** 1990 Oct;49 Suppl 2:824–9 (36 ref.)
Surgical treatment of the rheumatoid hip. Kelly IG. **Ann Rheum Dis** 1990 Oct;49 Suppl 2:858–62 (27 ref.)
Rheumatoid arthritis and ankle surgery. Kirkup J. **Ann Rheum Dis** 1990 Oct;49 Suppl 2:837–44 (24 ref.)
Surgery for the rheumatoid wrist and hand. Norris SH. **Ann Rheum Dis** 1990 Oct;49 Suppl 2:863–70 (33 ref.)
Surgery of the rheumatoid elbow. Souter WA. **Ann Rheum Dis** 1990 Oct;49 Suppl 2:871–82 (33 ref.)
Synovectomy, arthroplasty, and arthrodesis in the reconstruction of the rheumatoid wrist and hand. Osterman AL, et al. **Curr Opin Rheumatol** 1991 Feb;3(1):102–8 (27 ref.)
The distal radioulnar joint complex in rheumatoid arthritis: an overview. Clawson MC, et al. **Hand Clin** 1991 May; 7(2):373–81 (89 ref.)
Excision of the distal ulna in rheumatoid arthritis. Posner MA, et al. **Hand Clin** 1991 May;7(2):383–90 (44 ref.)
Factors influencing the results of implant surgery in the rheumatoid hand. Nalebuff EA. **J Hand Surg [Br]** 1990 Nov;15(4):395–403 (0 ref.)
[Surgery of rheumatoid polyarthritis of the upper limb in adults. Review of current data] Alnot JY. **Chirurgie** 1990; 116(2):194–200 (30 ref.) (Eng. Abstr.) **(Fre)**
[Synovectomy in treatment of inflammatory rheumatic diseases: historical or current?] Tillmann K. **Z Orthop** 1991 Mar–Apr;129(2):129–35 (38 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Does patient education in rheumatoid arthritis have therapeutic potential? Tucker M, et al. **Ann Rheum Dis** 1991 Jun;50 Suppl 3:422–8 (61 ref.)
Monoclonal antibody treatment of rheumatoid arthritis. Kingsley G. **Br J Rheumatol** 1991;30 Suppl 2:33–5 (19 ref.)
Arthritis of the foot. Freiberg RA, et al. **Bull Rheum Dis** 1991;40(1):1–8 (71 ref.)
Exercise and arthritis. Gerber LH. **Bull Rheum Dis** 1990; 39(6):1–9 (66 ref.)
Immunological treatment of rheumatoid arthritis. Sany J. **Clin Exp Rheumatol** 1990 Jul–Aug;8 Suppl 5:81–8 (67 ref.)
Treatment of rheumatoid arthritis. Murphy NG, et al. **Curr Opin Rheumatol** 1991 Jun;3(3):441–8 (33 ref.)
Rheumatoid arthritis in the elderly. Nesher G, et al. **J Am Geriatr Soc** 1991 Mar;39(3):284–94 (90 ref.)
Therapeutic exercise for rheumatoid arthritis and osteoarthritis. Semble EL, et al. **Semin Arthritis Rheum** 1990 Aug;20(1):32–40 (48 ref.)
[New prospects of immunotherapy in rheumatoid polyarthritis] Veys EM, et al. **Ann Med Interne (Paris)** 1990;141(4):349–66 (249 ref.) **(Fre)**
[The immunomodulating therapy of rheumatoid arthritis] Balabanova RM. **Ter Arkh** 1991;63(5):124–9 (125 ref.) **(Rus)**

VETERINARY

An animal model of food allergic arthritis. Panush RS. **Rheum Dis Clin North Am** 1991 May;17(2):251–7 (36 ref.)

ARTHRITIS, SEPTIC see **ARTHRITIS, INFECTIOUS**

ARTHRITIS, VIRAL see **ARTHRITIS, INFECTIOUS**

ARTHRODESIS

Cole osteotomy. Navicular–cuneiform arthrodesis–transcuboidal osteotomy. Leal LO, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):637–45 (15 ref.)
Synovectomy, arthroplasty, and arthrodesis in the reconstruction of the rheumatoid wrist and hand. Osterman AL, et al. **Curr Opin Rheumatol** 1991 Feb;3(1):102–8 (27 ref.)
[Giant-cell tumor of the lower end of the radius treated by resection-arthrodesis. Report of 9 cases] Tomeno B, et al. **Rev Chir Orthop** 1990;76(6):420–4 (15 ref.) (Eng. Abstr.) **(Fre)**
[Scapho-trapezo-trapezoidal arthrodesis or triscaphe arthrodeses. Study of 36 reviewed cases] Voche P, et al. **Rev Chir Orthop** 1991;77(2):103–14 (31 ref.) (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Late ipsilateral trochanteric fractures in patients with long-standing fusion of the hip. Mullaji AB, et al. **Injury** 1991 May;22(3):233–5 (12 ref.)
Effects of ankle arthrodesis on the subtalar and midtarsal joints. Conti RJ, et al. **J Foot Surg** 1990 Jul–Aug; 29(4):334–6 (11 ref.)

METHODS

Ankle arthrodesis in children. Mazur JM, et al. **Clin Orthop** 1991 Jul;(268):65–9 (14 ref.)
Ankle arthrodesis. A comparison of an arthroscopic and an open method of treatment. Myerson MS, et al. **Clin Orthop** 1991 Jul;(268):84–95 (41 ref.)
An overview of ankle arthrodesis. Scranton PE Jr. **Clin Orthop** 1991 Jul;(268):96–101 (28 ref.)
Triple arthrodesis. DiStazio JJ. **Clin Podiatr Med Surg** 1991 Jul;8(3):693–9 (22 ref.)
Pantalar arthrodesis. Leal LO, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):701–15 (21 ref.)
Arthrodesis of the first metatarsophalangeal joint: a review of the literature and long-term retrospective analysis. Gregory JL, et al. **J Foot Surg** 1990 Jul–Aug;29(4):369–74 (21 ref.)
Ankle fusion: a retrospective review. Aaron AD. **Orthopedics** 1990 Nov;13(11):1249–54 (23 ref.)

ARTHROGRAPHY

Arthrography of the hand and wrist. Mrose HE, et al. **Hand Clin** 1991 Feb;7(1):201–17 (69 ref.)
Calcium hydroxyapatite deposition disease. Hayes CW, et al. **Radiographics** 1990 Nov;10(6):1031–48 (28 ref.)

METHODS

Magnetic resonance knee arthrography. Enhanced contrast by gadolinium complex in the rabbit and in humans. Engel A. **Acta Orthop Scand Suppl** 1990;240:1–57 (80 ref.)

ARTHROGRYPOSIS

CLASSIFICATION

[Congenital multiple arthrogryposis. Clinical and genetic study] Gallegos-Rivera M, et al. **Bol Med Hosp Infant Mex** 1991 Feb;48(2):88–95 (15 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Prenatal diagnosis of congenital myasthenia with arthrogryposis in a myasthenic mother. Stoll C, et al. **Prenat Diagn** 1991 Jan;11(1):17–22 (12 ref.)

ETIOLOGY

[Arthrogryposis and maternal myasthenia gravis. Risk of recurrence] Tranchant C, et al. **Rev Neurol (Paris)** 1991; 147(1):62–4 (11 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

[Congenital multiple arthrogryposis. Clinical and genetic study] Gallegos-Rivera M, et al. **Bol Med Hosp Infant Mex** 1991 Feb;48(2):88–95 (15 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

[The outcome at the adult age of arthrogryposis. Apropos of a case. Review of the literature] Kaltenbach G, et al. **Rev Rhum Mal Osteoartic** 1991 Mar;58(3):215–7 (16 ref.) **(Fre)**

ARTHROMYODYSPLASIA, CONGENITAL see **ARTHROGRYPOSIS**

ARTHROPATHY, NEUROGENIC

DIAGNOSIS

Charcot's disease in diabetic patients. Correct diagnosis can prevent progressive deformity. Giurini JM, et al. **Postgrad Med** 1991 Mar;89(4):163–9 (14 ref.)

SURGERY

Spinal Charcot arthropathy. Harrison MJ, et al. **Neurosurgery** 1991 Feb;28(2):273–7 (39 ref.)

ARTHROPLASTY

Arthroscopic management of disorders of the knee. Awbrey BJ, et al. **Curr Opin Rheumatol** 1991 Feb;3(1):88–97 (22 ref.)
Synovectomy, arthroplasty, and arthrodesis in the reconstruction of the rheumatoid wrist and hand. Osterman AL, et al. **Curr Opin Rheumatol** 1991 Feb;3(1):102–8 (27 ref.)

ADVERSE EFFECTS

Infection complicating orthopedic procedures and arthroplasties. Ross AC. **Curr Opin Rheumatol** 1990 Aug; 2(4):628–34 (10 ref.)

METHODS

Surgical management of acetabular dysplasia. Staheli LT. **Clin Orthop** 1991 Mar;(264):111–21 (20 ref.)
The case for revision arthroplasty using antibiotic-loaded acrylic cement. Steinbrink K. **Clin Orthop** 1990 Dec; (261):19–22 (14 ref.)
Anterior ankle arthroplasty. Hensley JP. **Clin Podiatr Med Surg** 1991 Jul;8(3):625–35 (14 ref.)
Synovectomy-arthroplasty as an alternative to triple arthrodesis in the management of subtalar joint pain. Jacobs AM, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):485–500 (49 ref.)
Temporomandibular joint surgery. Hoffman D, et al. **Dent Clin North Am** 1991 Jan;35(1):89–107 (30 ref.)
The treatment of chronic traumatic subluxation of the distal ulna by hemiresection interposition arthroplasty. Imbriglia JE, et al. **Hand Clin** 1991 May;7(2):329–34 (37 ref.)

ARTHROPLASTY, REPLACEMENT see **JOINT PROSTHESIS**

ARTHROPLASTY, REPLACEMENT, HIP see **HIP PROSTHESIS**

ARTHROPLASTY, REPLACEMENT, KNEE see **KNEE PROSTHESIS**

ARTHROPOD-BORNE VIRUSES see **ARBOVIRUSES**

ARTHROPOD VECTORS

MICROBIOLOGY

Transmission of retroviruses by arthropods. Foil LD, et al. **Annu Rev Entomol** 1991;36:355–81 (109 ref.)

PHYSIOLOGY

Emerging vector-borne infections. Telford SR 3d, et al. **Infect Dis Clin North Am** 1991 Mar;5(1):7–17 (25 ref.)
Neurobiology of arthropod parasites. Harrow ID, et al. **Parasitology** 1991;102 Suppl:S59–69 (90 ref.)

ARTHROPOD VENOMS

ADVERSE EFFECTS

[Insect-induced allergy in children] Omel'nitskaia IP, et al. **Pediatriia** 1990;(7):88–92 (74 ref.) **(Rus)**

IMMUNOLOGY

Insect venom allergens. King TP. **Monogr Allergy** 1990; 28:84–100 (59 ref.)

TOXICITY

Neurotoxins from venoms of the Hymenoptera—twenty-five years of research in Amsterdam. Piek T. **Comp Biochem Physiol [C]** 1990;96(2):223–33 (69 ref.)

ARTHROPODS

Avermectins, a novel class of compounds: implications for use in arthropod pest control. Lasota JA, et al. **Annu Rev Entomol** 1991;36:91–117 (133 ref.)
[Ecological transformations: insect-transmitted infections today] Cardesa JJ, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 38:4–10 (43 ref.) **(Spa)**

CYTOLOGY

Arthropod tissue culture in India (1967–1988)—a review. Pant U, et al. **Indian J Med Res** 1990 Nov;91:397–407 (81 ref.)

IMMUNOLOGY

The proPO-system and associated proteins; role in cellular communication in arthropods. Söderhäll K, et al. **Res Immunol** 1990 Nov–Dec;141(9):896–907 (67 ref.)

MICROBIOLOGY

Transmission of retroviruses by arthropods. Foil LD, et al. **Annu Rev Entomol** 1991;36:355–81 (109 ref.)

ARTHROSCOPY

Thermal injury resulting from arthroscopic lateral retinacular release by electrocautery: report of three cases and a review of the literature. Lord MJ, et al. **Arthroscopy** 1991;7(1):33–7 (20 ref.)

Cactus thorn synovitis. Zoltan JD. **Arthroscopy** 1991; 7(2):244–5 (7 ref.)

Ankle arthrodesis. A comparison of an arthroscopic and an open method of treatment. Myerson MS, et al. **Clin Orthop** 1991 Jul;(268):84–95 (41 ref.)

The prone position for elbow arthroscopy. Baker CL Jr, et al. **Clin Sports Med** 1991 Jul;10(3):623–8 (13 ref.)

Arthroscopic management of transchondral talar-dome fractures (osteochondritis dissecans) and anterior impingement lesions of the ankle joint. Ewing JW. **Clin Sports Med** 1991 Jul;10(3):677–87 (15 ref.)

Patellofemoral pain. An arthroscopic perspective. Malek MM, et al. **Clin Sports Med** 1991 Jul;10(3):549–67 (54 ref.)

Arthroscopic treatment of Panner's disease. Ruch DS, et al. **Clin Sports Med** 1991 Jul;10(3):629–36 (7 ref.)

A technique for arthroscopic anterior cruciate ligament repair. Whipple TL, et al. **Clin Sports Med** 1991 Jul; 10(3):463–8 (22 ref.)

Arthroscopic treatment of TFCC lesions. Osterman AL, et al. **Hand Clin** 1991 May;7(2):277–81 (28 ref.)

Arthroscopy. Stother IG. **Injury** 1990 Sep;21(5):283–6 (32 ref.)

Pseudogout of the ankle: a case study and arthroscopic-assisted treatment. Hanft JR, et al. **J Foot Surg** 1991 Mar–Apr;30(2):173–8 (21 ref.)

Meniscal trauma (of the knee) and surgical intervention. A review of literature. Kelley MJ Jr. **J Sports Med Phys Fitness** 1990 Sep;30(3):297–306 (29 ref.)

[Post-traumatic hemarthrosis of the knee and arthroscopy. Review of 161 cases] Cazenave A, et al. **J Chir (Paris)** 1990 Nov;127(11):522–7 (21 ref.) (Eng. Abstr.) **(Fre)**

[Operative arthroscopy of the ankle. 107 cases] Demazière A, et al. **Rev Rhum Mal Osteoartic** 1991 Feb;58(2):93–7 (20 ref.) (Eng. Abstr.) **(Fre)**

[The diagnostic possibilities in arthroscopy of the knee joint] Glinz W. **Dtsch Med Wochenschr** 1990 Nov 30; 115(48):1838–41 (18 ref.) **(Ger)**

[Intra-operative complications in arthroscopic operations. Results of a re-arthroscopy study] Beickert R, et al. **Zentralbl Chir** 1991;116(8):495–500 (17 ref.) (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

[Arthroscopy—surgical therapy in anterior cruciate ligament rupture] Benedetto KP. **Aktuel Probl Chir Orthop** 1991; 40:77–84 (31 ref.) **(Ger)**

[Arthroscopy of the upper ankle joint] Ehrchen K. **Aktuel Probl Chir Orthop** 1991;40:85–90 (20 ref.) **(Ger)**

[Diagnostic shoulder arthroscopy] Gächter A. **Aktuel Probl Chir Orthop** 1991;40:9–17 (9 ref.) **(Ger)**

[Surgical possibilities in knee arthroscopy] Glinz W. **Aktuel Probl Chir Orthop** 1991;40:64–76 (30 ref.) **(Ger)**

[Surgical shoulder arthroscopy] Hempfling H, et al. **Aktuel Probl Chir Orthop** 1991;40:18–23 (9 ref.) **(Ger)**

[Arthroscopy of the elbow joint] Hempfling H. **Aktuel Probl Chir Orthop** 1991;40:24–30 (11 ref.) **(Ger)**

[Arthroscopy of the wrist joint] Hempfling H. **Aktuel Probl Chir Orthop** 1991;40:31–4 (15 ref.) **(Ger)**

[Knee arthroscopy: special diagnosis and surgical techniques] Imhoff A. **Aktuel Probl Chir Orthop** 1991;40:44–63 (44 ref.) **(Ger)**

METHODS

[Diagnostic temporomandibular arthroscopy. Technic. Normal anatomy] Chossegros C, et al. **Rev Stomatol Chir Maxillofac** 1990;91(6):409–16 (19 ref.) (Eng. Abstr.) **(Fre)**

[Arthroscopy—unusual aspects] Hempfling H. **Aktuel Probl Chir Orthop** 1991;40:91–110 (141 ref.) **(Ger)**

ARTHUS PHENOMENON

IMMUNOLOGY

The late phase response: clinical implications. Lemanske RF Jr. **Adv Intern Med** 1991;36:171–93 (121 ref.)

ARTIFICIAL INSEMINATION see **INSEMINATION, ARTIFICIAL**

ARTIFICIAL INTELLIGENCE

Neurobiological mechanisms of adaptative plasticity. A possible contribution to cybernetic studies. Giaquinto S. **Acta Neurol (Napoli)** 1990 Oct;12(5):337–48 (40 ref.)

Quantitative microscopy and artificial intelligence: some philosophical reflections. Kibbelaar RE, et al. **Anal Cell Pathol** 1989 Feb;1(1):1–10 (36 ref.)

Artificial neural networks and their use in quantitative pathology. Dytch HE, et al. **Anal Quant Cytol Histol** 1990 Dec;12(6):379–93 (28 ref.)

Modulation of neural networks for behavior. Harris-Warrick RM, et al. **Annu Rev Neurosci** 1991;14:39–57 (106 ref.)

Neural network simulations of the nervous system. van Leeuwen JL. **Eur J Morphol** 1990;28(2–4):139–47 (28 ref.)

Neural networks in radiologic diagnosis. I. Introduction and illustration. Boone JM, et al. **Invest Radiol** 1990 Sep; 25(9):1012–6 (5 ref.)

Mental, neuropsychic, and brain patterns of defense. Neuropsychic defense continua from psychopathology to the particularly human parallel networks that are problematic for artificial intelligence. Forrest DV. **J Am Acad Psychoanal** 1991 Spring;19(1):99–123 (57 ref.)

Artificial intelligence in the diagnosis of low back pain. Mann NH 3d, et al. **Orthop Clin North Am** 1991 Apr;22(2):303–14 (37 ref.)

ARTIFICIAL LIMBS

Research and practice with congenital amputees: making the whole greater than the sum of its parts. Minnes PM, et al. **Int J Rehabil Res** 1990;13(2):151–60 (34 ref.)

REHABILITATION

Principles of limb fitting and prostheses. James WV. **Ann R Coll Surg Engl** 1991 May;73(3):158–62 (3 ref.)

ARTIFICIAL ORGANS

Is there a possibility of a bioartificial pancreas? Reach G. **Biomater Artif Cells Artif Organs** 1990;18(4):483–90 (32 ref.)

Artificial liver. State of the art. Takahashi T, et al. **Dig Dis Sci** 1991 Sep;36(9):1327–40 (109 ref.)

[Medical and technical aspects of replacing the lost functions of internal organs] Shumakov VI, et al. **Med Tekh** 1990 Jul-Aug;(4):3–4 (23 ref.) **(Rus)**

ARTIFICIAL SWEETENERS see **SWEETENING AGENTS**

ARTIFICIAL VENTRICLE see **HEART-ASSIST DEVICES**

ARTIODACTYLA

PHYSIOLOGY

[Emptying of the abomasum in adult ruminants] Malbert CH, et al. **Reprod Nutr Dev** 1991;31(1):1–25 (95 ref.) (Eng. Abstr.) **(Fre)**

ARYL HYDROCARBON HYDROXYLASES

BIOSYNTHESIS

Localization, distribution, and induction of xenobiotic-metabolizing enzymes and aryl hydrocarbon hydroxylase activity within lung. Baron J, et al. **Pharmacol Ther** 1990;47(3):419–45 (173 ref.)

GENETICS

2,3,7,8-Tetrachlorodibenzo-p-dioxin induces cytochrome P450IA1 enzyme activity by activating transcription of the corresponding gene. Lusska AE, et al. **Adv Enzyme Regul** 1991;31:307–17 (48 ref.)

METABOLISM

[Effects of age and selected inductors of aromatic hydrocarbon hydroxylase (AHH) activity in the rat liver] Plewka A, et al. **Folia Med Cracov** 1990;31(3):147–56 (23 ref.) (Eng. Abstr.) **(Pol)**

[The role of aromatic hydrocarbon hydroxylase in the pathogenesis of lung cancer] Pilarska-Machowicz A. **Pol Tyg Lek** 1990 Apr 2–9;45(14–15):303–7 (44 ref.) (Eng. Abstr.) **(Pol)**

ARYLSULFATASE A see **CEREBROSIDE SULFATASE**

ARYLSULFATASES

BLOOD

[Assays of arylsulfatase activity in psychotic patients. Review of the literature and results of a study of 22 patients] Lejoyeux M, et al. **Encephale** 1991 Mar–Apr;17(2):87–92 (28 ref.) (Eng. Abstr.) **(Fre)**

ARYLSULFATE SULFOHYDROLASES see **ARYLSULFATASES**

ARYTENOID CARTILAGE

[The cricoarytenoid joint in chronic polyarthritis] Bolten W. **Z Rheumatol** 1991 Jan–Feb;50(1):1–5 (53 ref.) (Eng. Abstr.) **(Ger)**

AS IF PERSONALITY see **PERSONALITY DISORDERS**

ASBESTOS

Relationship of inflammatory cell cytokines to disease severity in individuals with occupational inorganic dust exposure. Rom WN. **Am J Ind Med** 1991;19(1):15–27 (50 ref.)

Regulation of in-place asbestos-containing material. Cohen N. **Environ Res** 1991 Jun;55(1):97–106 (20 ref.)

Assessment of low level asbestos exposure in the urban environment. Benarde MA. **J R Soc Health** 1991 Apr; 111(2):54–6 (18 ref.)

ADVERSE EFFECTS

Brake mechanics, asbestos, and disease risk. Huncharek M. **Am J Forensic Med Pathol** 1990 Sep;11(3):236–40 (33 ref.)

Human epidemiology: a review of fiber type and characteristics in the development of malignant and nonmalignant disease. Merchant JA. **Environ Health Perspect** 1990 Aug;88:287–93 (49 ref.)

Cancer risks due to asbestos and man-made fibres. McDonald JC. **Recent Results Cancer Res** 1990;120:122–31 (23 ref.)

Computed tomography of benign pleural and pulmonary parenchymal abnormalities related to asbestos exposure. Friedman AC, et al. **Semin Ultrasound CT MR** 1990 Oct; 11(5):393–408 (49 ref.)

Role of asbestos and other fibres in the development of diffuse malignant mesothelioma. Gibbs AR. **Thorax** 1990 Sep; 45(9):649–54 (76 ref.)

Roentgenographic manifestations and pulmonary function effects of asbestos-induced pleural thickening. Rosenstock L. **Toxicol Ind Health** 1991 Jan–Mar;7(1–2):81–7 (27 ref.)

[Laryngeal carcinoma and asbestos exposure. A critical review of the literature] Deitmer T. **Laryngorhinootologie** 1990 Nov;69(11):589–94 (75 ref.) (Eng. Abstr.) **(Ger)**

[Pleural mesothelioma: etiology and practical consequences] Woitowitz HJ, et al. **Pneumologie** 1991 Apr;45(4):153–8 (34 ref.) (Eng. Abstr.) **(Ger)**

[Clinical study on asbestos pleurisy and review of literature] Tamura M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Sep;28(9):1182–94 (39 ref.) (Eng. Abstr.) **(Jpn)**

[Active oxygen species and asbestos toxicity] Kagamimori S, et al. **Sangyo Igaku** 1990 Nov;32(6):439–47 (106 ref.) (Eng. Abstr.) **(Jpn)**

[Nonmalignant pleural disease in asbestos exposed workers] Zejda J. **Pol Tyg Lek** 1989 Nov 13–27;44(46–48):970–2 (29 ref.) (Eng. Abstr.) **(Pol)**

TOXICITY

The relationship between fibrosis and cancer in experimental animals exposed to asbestos and other fibers. Davis JM, et al. **Environ Health Perspect** 1990 Aug;88:305–9 (27 ref.)

In vitro studies on the biologic effects of fibers: correlation with in vivo bioassays. Mossman BT. **Environ Health Perspect** 1990 Aug;88:319–22 (40 ref.)

Symposium on health effects of inhaled fibrous materials. Warheit DB, et al. **Fundam Appl Toxicol** 1990 Nov; 15(4):633–40 (8 ref.)

Asbestos-related mesothelioma: evidence for a threshold in animals and humans. Ilgren EB, et al. **Regul Toxicol Pharmacol** 1991 Apr;13(2):116–32 (73 ref.)

ASBESTOSIS

New developments in asbestos-induced pleural disease. Schwartz DA. **Chest** 1991 Jan;99(1):191–8 (119 ref.)

[Asbestosis (review of the literature)] Kogan FM, et al. **Gig Tr Prof Zabol** 1991;(1):20–3 (63 ref.) (Eng. Abstr.) **(Rus)**

COMPLICATIONS

The diagnosis of mesothelioma by panels. McCaughey WT. **Am J Ind Med** 1991;19(1):121–4 (20 ref.)

DIAGNOSIS

Asbestosis: diagnostic dilution. Harber P, et al. **J Occup Med** 1991 Jul;33(7):786–93 (62 ref.)

EPIDEMIOLOGY

Does asbestosis increase the risk of lung cancer? Edelman DA. **Int Arch Occup Environ Health** 1990;62(5):345–9 (45 ref.)

ETIOLOGY

[Asbestos-induced lung diseases] Lange P, et al. **Ugeskr Laeger** 1990 Nov 19;152(47):3520–4 (30 ref.) (Eng. Abstr.) **(Dan)**

[Nonmalignant pleural disease in asbestos exposed workers] Zejda J. **Pol Tyg Lek** 1989 Nov 13–27;44(46–48):970–2 (29 ref.) (Eng. Abstr.) **(Pol)**

HISTORY

Historical developments and perspectives in inorganic fiber toxicity in man. Selikoff IJ. **Environ Health Perspect** 1990 Aug;88:269–76 (59 ref.)

PATHOLOGY

Cellular and molecular basis of the asbestos-related diseases. Rom WN, et al. **Am Rev Respir Dis** 1991 Feb;143(2):408–22 (165 ref.)

RADIOGRAPHY

Radiological features of asbestos-related visceral pleural changes. Solomon A. **Am J Ind Med** 1991;19(3):339–55 (49 ref.)

Computed tomography of asbestos-related pulmonary

parenchymal and pleural diseases. Aberle DR, et al. **Clin Chest Med** 1991 Mar;12(1):115–31 (116 ref.)
Computed tomography and high-resolution computed tomography of pneumoconioses. Gamsu G. **J Occup Med** 1991 Jul;33(7):794–6 (17 ref.)
High-resolution computed tomography of asbestos-related diseases. Aberle DR. **Semin Roentgenol** 1991 Apr; 26(2):118–31 (71 ref.)
Computed tomography of benign pleural and pulmonary parenchymal abnormalities related to asbestos exposure. Friedman AC, et al. **Semin Ultrasound CT MR** 1990 Oct; 11(5):393–408 (49 ref.)

ASCARIASIS

DIAGNOSIS

[Biliary ascariasis. Experience at the Dr. Manuel Gea González General Hospital] Quintos Aranda C, et al. **Rev Gastroenterol Mex** 1990 Apr–Jun;55(2):61–5 (32 ref.) (Eng. Abstr.) **(Spa)**

PARASITOLOGY

The roundworm, Ascaris lumbricoides. Tietze PE, et al. **Prim Care** 1991 Mar;18(1):25–41 (41 ref.)

SURGERY

[Biliary ascariasis. Experience at the Dr. Manuel Gea Gonzáles General Hospital] Quintos Aranda C, et al. **Rev Gastroenterol Mex** 1990 Apr–Jun;55(2):61–5 (32 ref.) (Eng. Abstr.) **(Spa)**

ASCARIDOIDEA

Parasitic zoonoses: selective review of some diseases in South America. Grisi L. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:79–82 (36 ref.)

ASCARIS

GROWTH & DEVELOPMENT

The cuticular biology in developmental stages of Ascaris suum. Fetterer RH, et al. **Acta Trop (Basel)** 1990 Jul; 47(5–6):289–95 (28 ref.)

PHYSIOLOGY

The physiology and pharmacology of neuromuscular transmission in the nematode parasite, Ascaris suum. Martin RJ, et al. **Parasitology** 1991;102 Suppl:S41–58 (99 ref.)
Neuropeptides in the nematode Ascaris suum. Stretton AO, et al. **Parasitology** 1991;102 Suppl:S107–16 (50 ref.)

ASCAROIDEA see **ASCARIDOIDEA**

ASCHELMINTHES see **HELMINTHS**

ASCITES

The etiology and clinical significance of pseudoascites. Fiedorek SC, et al. **J Gen Intern Med** 1991 Jan–Feb; 6(1):77–80 (43 ref.)

COMPLICATIONS

[Umbilical hernioplasty with valve implantation in cirrhotic-ascitic patients] Vincze K, et al. **Orv Hetil** 1991 Apr 14;132(15):805–8 (17 ref.) (Eng. Abstr.) **(Hun)**

DRUG THERAPY

[New "diuretics" in therapy of ascites] Schölmerich J, et al. **Z Gastroenterol Verh** 1991 Mar;26:144–8 (43 ref.) **(Ger)**
[Treatment of ascites in liver cirrhosis] Geller LI. **Sov Med** 1991;(5):46–7 (32 ref.) **(Rus)**

ETIOLOGY

Eosinophilic ascites due to hyperinfection with Strongyloides stercoralis. Lambroza A, et al. **Am J Gastroenterol** 1991 Jan;86(1):89–91 (13 ref.)
Ascites revealing peritoneal and hepatic extramedullary hematopoiesis with peliosis in agnogenic myeloid metaplasia: case report and review of the literature. Lioté F, et al. **Am J Med** 1991 Jan;90(1):111–7 (32 ref.)
Pancreatic ascites presenting in infancy, with review of the literature. Athow AC, et al. **Dig Dis Sci** 1991 Feb; 36(2):245–50 (39 ref.)
[First experiences with intraperitoneal chemotherapy] Pikó B, et al. **Orv Hetil** 1991 Jun 2;132(22):1199–201 (30 ref.) (Eng. Abstr.) **(Hun)**
[Regulation of water–electrolyte balance in cirrhosis of the liver] Winnicki C. **Pol Tyg Lek** 1990 Apr 16–30; 45(16–18):361–4 (20 ref.) **(Pol)**

METABOLISM

[Laboratory chemical analysis in ascites] Satz N. **Schweiz Med Wochenschr** 1991 Apr 13;121(15):536–47 (59 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Pathophysiology and treatment of ascites in cirrhosis. La Villa G, et al. **Trop Gastroenterol** 1990 Apr–Jun;11(2):56–75 (158 ref.)

THERAPY

Current medical management of cirrhotic ascites. Herrera JL. **Am J Med Sci** 1991 Jul;302(1):31–7 (84 ref.)
Causes and management of ascites [review, tutorial] Morali GA, et al. **Trop Gastroenterol** 1990 Oct–Dec;11(4):186–201 (106 ref.)
[Peritoneovenous shunt in the treatment of ascites caused by a malignancy (published erratum appears in Ned Tijdschr Geneeskd 1991 Jun 29;135(26):1208)] Rietbroek RC, et al. **Ned Tijdschr Geneeskd** 1991 Jun 1;135(22):979–83 (25 ref.) **(Dut)**

ULTRASONOGRAPHY

Isolated fetal ascites: prenatal diagnosis and management. Winn HN, et al. **Am J Perinatol** 1990 Oct;7(4):370–3 (9 ref.)

ASCITES, GELATINOUS see **PSEUDOMYXOMA PERITONEI**

ASCITES SHUNT, PERITONEOVENOUS see **PERITONEOVENOUS SHUNT**

ASCITIC FLUID

see related
PERITONEAL LAVAGE

CHEMISTRY

[Laboratory chemical analysis in ascites] Satz N. **Schweiz Med Wochenschr** 1991 Apr 13;121(15):536–47 (59 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

[Spontaneous bacterial peritonitis in cirrhotic patients] Richardet JP, et al. **Gastroenterol Clin Biol** 1991; 15(3):239–49 (160 ref.) **(Fre)**

CYTOLOGY

Peritoneal cytology in endometrial carcinoma. Sutton GP. **Cancer Treat Res** 1989;49:41–52 (19 ref.)
[Possibilities of cytodiagnosis in ascites] Dirsch OR, et al. **Leber Magen Darm** 1991 May;21(3):108, 110, 113–5 (14 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

[Changes in the peritoneal effusion in endometriosis and infertility] Shen L, et al. **Chung Hua I Hsueh Tsa Chih** 1991 May;71(5):296–8 (25 ref.) **(Chi)**

PATHOLOGY

The significance of positive peritoneal cytology in endometrial cancer [see comments] Sutton GP. **Oncology (Williston Park)** 1990 Jun;4(6):21–6; discussion 30–2 (19 ref.) Comment in: Oncology (Williston Park) 1990 Oct;4(10):12.

ASCORBIC ACID

ADMINISTRATION & DOSAGE

Vitamin C and cancer prevention: the epidemiologic evidence. Block G. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):270S–282S (155 ref.)
Premalignant lesions: role of antioxidant vitamins and beta-carotene in risk reduction and prevention of malignant transformation. Singh VN, et al. **Am J Clin Nutr** 1991 Jan; 53(1 Suppl):386S–390S (57 ref.)
[Selenium, vitamin A, C and E seem to have a preventive effect against cancer] Bruce A. **Lakartidningen** 1990 Dec 19;87(51–52):4439–42 (15 ref.) **(Swe)**

ANALYSIS

Gastric juice ascorbic acid: effects of disease and implications for gastric carcinogenesis. Schorah CJ, et al. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):287S–293S (17 ref.)
Assessment of human vitamin C status. Jacob RA. **J Nutr** 1990 Nov;120 Suppl 11:1480–5 (24 ref.)

BIOSYNTHESIS

[Molecular genetic study on the incapability of synthesising ascorbic acid in scurvy-prone animals] Nishikimi M, et al. **Tanpakushitsu Kakusan Koso** 1990 Dec;35(16):2866–73 (31 ref.) **(Jpn)**

BLOOD

Assessment of the roles of vitamin C, vitamin E, and beta-carotene in the modulation of oxidant stress mediated by cigarette smoke-activated phagocytes. Anderson R. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):358S–361S (39 ref.)
Ascorbic acid levels in cells may be higher than first believed. **Nutr Rev** 1991 Jan;49(1):27–8 (3 ref.)

METABOLISM

Smoking and vitamin C. Murata A. **World Rev Nutr Diet** 1991;64:31–57 (96 ref.)
Vitamin C as an antioxidant. Niki E. **World Rev Nutr Diet** 1991;64:1–30 (87 ref.)
[Selective pharmacological changes of regional ascorbic acid metabolism in the brain] Miele M, et al. **Clin Ter** 1990 Sep 30;134(6):345–53 (33 ref.) (Eng. Abstr.) **(Ita)**
[The role of vitamin C in the body in the light of current studies] Omieljaniuk N, et al. **Postepy Hig Med Dosw** 1989; 43(2–4):349–62 (58 ref.) (Eng. Abstr.) **(Pol)**

PHARMACOLOGY

Inhibition of nitrosamine formation by ascorbic acid. Tannenbaum SR, et al. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):247S–250S (42 ref.)

PHYSIOLOGY

Cellular functions of ascorbic acid. Padh H. **Biochem Cell Biol** 1990 Oct;68(10):1166–73 (66 ref.)
Stereospecific effect of vitamin C on collagen synthesis is determined by differences in cell transport. **Nutr Rev** 1991 Jan;49(1):26–7 (3 ref.)
Vitamin C: newer insights into its biochemical functions. Padh H. **Nutr Rev** 1991 Mar;49(3):65–70 (38 ref.)

THERAPEUTIC USE

Vitamin C and cardiovascular risk factors. Trout DL. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):322S–325S (35 ref.)
Scientific basis for medical therapy of cataracts by antioxidants. Varma SD. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):335S–345S (39 ref.)
Antioxidant micronutrients in cancer prevention. Dorgan JF, et al. **Hematol Oncol Clin North Am** 1991 Feb;5(1):43–68 (209 ref.)

ASCORBIC ACID DEFICIENCY

EPIDEMIOLOGY

[3 problem vitamins in Latin America] Arroyave G. **Arch Latinoam Nutr** 1988 Sep;38(3):568–88 (40 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Smoking and vitamin C. Murata A. **World Rev Nutr Diet** 1991;64:31–57 (96 ref.)

ASEPSIS

Dental equipment asepsis. Young JM. **Dent Clin North Am** 1991 Apr;35(2):391–413 (13 ref.)

METHODS

New operative technique to reduce surgeons' risk of HIV infection. Raahave D, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:177–83 (22 ref.)
Towards safer surgery. Sim AJ. **J Hosp Infect** 1991 Jun;18 Suppl A:184–90 (3 ref.)

ASIALIA see **XEROSTOMIA**

ASIALOGANGLIOSIDES see **GLYCOSPHINGOLIPIDS**

ASIALOGLYCOPROTEINS

METABOLISM

The asialoglycoprotein receptor: a model for endocytic transport receptors. Spiess M. **Biochemistry** 1990 Oct 30; 29(43):1009–18 (127 ref.)

ASIAN AMERICANS

STATISTICS & NUMERICAL DATA

Changing demographics in the United States. Implications for health professionals. Frank-Stromborg M. **Cancer** 1991 Mar 15;67(6 Suppl):1772–8 (47 ref.)

ASIATIC RACE see **MONGOLOID RACE**

ASPA CEMENT see **GLASS IONOMER CEMENTS**

ASPARAGINASE

ADVERSE EFFECTS

[Delayed acute pancreatitis after treatment with L-asparaginase. A case report (letter)] Pecquenard L, et al. **Therapie** 1990 Sep–Oct;45(5):453–4 (16 ref.) **(Fre)**

THERAPEUTIC USE

Antitumor enzyme: polyethylene glycol-modified asparaginase. Wada H, et al. **Ann N Y Acad Sci** 1990; 613:95–108 (17 ref.)

ASPARAGINE

METABOLISM

Nonenzymatic deamidation of asparaginyl and glutaminyl residues in proteins. Wright HT. **Crit Rev Biochem Mol Biol** 1991;26(1):1–52 (285 ref.)

ASPARTAME

ADMINISTRATION & DOSAGE

Acceptable daily intake vs actual intake: the aspartame example. Butchko HH, et al. **J Am Coll Nutr** 1991 Jun; 10(3):258–66 (54 ref.)

METABOLISM

Thermolysin: a peptide forming enzyme. Reddy AV. **Indian J Biochem Biophys** 1991 Feb;28(1):10–5 (79 ref.)

ASPARTATE AMINOTRANSFERASE

ANALYSIS

Aspartate aminotransferase isoenzymes. Panteghini M. **Clin Biochem** 1990 Aug;23(4):311–9 (107 ref.)

BLOOD

The toxicological significance of decreased activities of blood alanine and aspartate aminotransferase. Waner T, et al. **Vet Res Commun** 1991;15(1):73–8 (22 ref.)

[Erythrocyte enzymes, structure and function] Kwiatkowska J. **Postepy Biochem** 1989;35(4):575–84 (32 ref.) **(Pol)**

CHEMISTRY

Trigonal crystals of porcine mitochondrial aspartate aminotransferase. Izard T, et al. **J Mol Biol** 1990 Oct 5; 215(3):341–4 (28 ref.)

ASPARTATE AMINOTRANSFERASE ISOENZYMES see **ASPARTATE AMINOTRANSFERASE**

ASPARTATE AMINOTRANSFERASE ISOZYMES see **ASPARTATE AMINOTRANSFERASE**

ASPARTATE CARBAMOYLTRANSFERASE

GENETICS

Molecular evolution and genetic engineering of protein domains involving aspartate transcarbamoylase. Wild JR, et al. **Annu Rev Microbiol** 1990;44:193–218 (85 ref.)

Engineering aspartate transcarbamylase. Hervé G, et al. **Biochimie** 1990 Aug;72(8):609–16 (68 ref.)

METABOLISM

Modelling allosteric processes in E coli aspartate transcarbamylase. Cherfils J, et al. **Biochimie** 1990 Aug; 72(8):617–24 (31 ref.)

ASPARTATE TRANSCARBAMYLASE see **ASPARTATE CARBAMOYLTRANSFERASE**

ASPARTIC ACID

ANALOGS & DERIVATIVES

A review of chemical issues in 1H NMR spectroscopy: N-acetyl-L-aspartate, creatine and choline. Miller BL. **NMR Biomed** 1991 Apr;4(2):47–52 (47 ref.)

The role of low-dose PALA in biochemical modulation. O'Dwyer PJ. **Pharmacol Ther** 1990;48(3):371–80 (104 ref.)

METABOLISM

The release and uptake of excitatory amino acids [see comments] Nicholls D, et al. **Trends Pharmacol Sci** 1990 Nov;11(11):462–8 (40 ref.) Comment in: Trends Pharmacol Sci 1990 Dec;11(12):477–8.

ASPARTIC ACID-SPECIFIC TRNA see **RNA, TRANSFER, ASP**

ASPARTIC PROTEINASES

METABOLISM

A role for the aspartyl protease from the human immunodeficiency virus type 1 (HIV-1) in the orchestration of virus assembly. Navia MA, et al. **Ann N Y Acad Sci** 1990;616:73–85 (31 ref.)

Endothelin receptors cloned, endothelin converting enzyme characterized and pathophysiological roles for endothelin proposed. Webb DJ. **Trends Pharmacol Sci** 1991 Feb; 12(2):43–6 (14 ref.)

ASPARTYL PROTEINASES see **ASPARTIC PROTEINASES**

ASPARTYLPHENYLALANINE METHYL ESTER see **ASPARTAME**

ASPERGILLOSIS

A case of cerebral aspergillosis caused by Aspergillus nidulans. Clinical, pathologic and mycologic identifications. Tong QJ, et al. **Chin Med J [Engl]** 1990 Jun;103(6):518–22 (9 ref.)

[Aspergillus osteomyelitis of the sternum. Description of a case and review of the literature] Ollé JE, et al. **Enferm Infecc Microbiol Clin** 1990 Feb;8(2):94–6 (37 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Mycotic (Aspergillus) arteritis resulting in fatal subarachnoid hemorrhage: a case report. Lau AH, et al. **Angiology** 1991 Mar;42(3):251–5 (14 ref.)

Acute aortic occlusion secondary to Aspergillus endocarditis in an intravenous drug abuser. Light JT Jr, et al. **Ann Vasc Surg** 1991 May;5(3):271–5 (14 ref.)

Localized Aspergillus infestation in primary lung carcinoma. Clinical and pathological contrasts with post-tuberculous intracavitary aspergilloma. Smith FB, et al. **Chest** 1991 Aug;100(2):554–6 (12 ref.)

Invasive aspergillosis in patients with HIV infection: report of two patients and a review of the literature. Decker CF, et al. **J Acquir Immune Defic Syndr** 1991;4(6):603–6 (26 ref.)

Aspergillosis of the central nervous system causing subarachnoid hemorrhage from mycotic aneurysm of the basilar artery--case report. Iihara K, et al. **Neurol Med Chir (Tokyo)** 1990 Aug;30(8):618–23 (21 ref.)

Invasive aspergillosis in AIDS. Singh N, et al. **South Med J** 1991 Jul;84(7):822–7 (24 ref.)

[Isolated sphenoidal aspergillosis presenting as an optic neuropathy] Cudennec YF, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(3):227–30 (14 ref.) (Eng. Abstr.) **(Fre)**

[Semi-invasive aspergillosis with involvement of the thoracic wall cured by itraconazole] Milleron B, et al. **Rev Pneumol Clin** 1990;46(4):175–7 (18 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Cutaneous aspergillosis] Arrese Estrada J, et al. **Rev Med Liege** 1991 Feb;46(2):92–7 (64 ref.) **(Fre)**

DRUG THERAPY

Liposomal amphotericin-B as a therapeutic measure to control experimental aspergillosis in BALB/c mice. Ahmad I, et al. **Indian J Biochem Biophys** 1990 Dec;27(6):370–4 (38 ref.)

Antifungal and surgical treatment of invasive aspergillosis: review of 2,121 published cases [published erratum appears in Rev Infect Dis 1991 Mar-Apr;13(2):345] Denning DW, et al. **Rev Infect Dis** 1990 Nov-Dec;12(6):1147–201 (301 ref.)

ETIOLOGY

Candida and Aspergillus infections in immunocompromised patients: an overview. Saral R. **Rev Infect Dis** 1991 May-Jun;13(3):487–92 (30 ref.)

Aspergillus infection of the L3–L4 disc space in an immunosuppressed heart transplant patient. Castelli C, et al. **Spine** 1990 Dec;15(12):1369–73 (22 ref.)

IMMUNOLOGY

Humoral response in aspergillosis. Vernes AJ. **Immunol Ser** 1989;47:401–17 (116 ref.)

MICROBIOLOGY

Pulmonary Aspergillus intracavitary colonization (PAIC). Severo LC, et al. **Mycopathologia** 1990 Nov;112(2):93–104 (86 ref.)

PATHOLOGY

Aspergillus terreus myocarditis: report of a case and review of the literature. Russack V. **Am J Cardiovasc Pathol** 1990; 3(3):275–9 (11 ref.)

Sinus aspergillosis and allergic fungal sinusitis. Hartwick RW, et al. **Ann Otol Rhinol Laryngol** 1991 May;100(5 Pt 1):427–30 (19 ref.)

Cutaneous aspergillosis. Böhler K, et al. **Clin Exp Dermatol** 1990 Nov;15(6):446–50 (17 ref.)

Spectrum of invasive pulmonary aspergillosis in immunocompetent patients with chronic obstructive pulmonary disease. Thommi G, et al. **South Med J** 1991 Jul;84(7):828–31 (14 ref.)

PREVENTION & CONTROL

Prevention of nosocomial aspergillosis. Rhame FS. **J Hosp Infect** 1991 Jun;18 Suppl A:466–72 (24 ref.)

ASPERGILLOSIS, ALLERGIC BRONCHOPULMONARY

Invasive pulmonary aspergillosis in patients with neoplastic diseases. Walsh TJ. **Semin Respir Infect** 1990 Jun; 5(2):111–22 (67 ref.)

COMPLICATIONS

Allergic bronchopulmonary aspergillosis in patients with cystic fibrosis. Knutsen AP, et al. **Clin Rev Allergy** 1991 Spring-Summer;9(1-2):103–18 (47 ref.)

ETIOLOGY

Pulmonary Aspergillus intracavitary colonization (PAIC). Severo LC, et al. **Mycopathologia** 1990 Nov;112(2):93–104 (86 ref.)

ASPERGILLUS

GENETICS

Molecular genetics of Aspergillus development. Timberlake WE. **Annu Rev Genet** 1990;24:5–36 (124 ref.)

Structure and evolution of 5S rRNA genes. Gniadkowski M, et al. **Postepy Biochem** 1990;36(3–4):2–4 (8 ref.)

GROWTH & DEVELOPMENT

Pulmonary Aspergillus intracavitary colonization (PAIC). Severo LC, et al. **Mycopathologia** 1990 Nov;112(2):93–104 (86 ref.)

IMMUNOLOGY

Antigenic structure of Aspergillus species. Hearn VM, et al. **Immunol Ser** 1989;47:87–111 (118 ref.)

ASPERGILLUS FLAVUS

see related
AFLATOXINS

Cutaneous aspergillosis. Böhler K, et al. **Clin Exp Dermatol** 1990 Nov;15(6):446–50 (17 ref.)

[Aspergillus osteomyelitis of the sternum. Description of a case and review of the literature] Ollé JE, et al. **Enferm Infecc Microbiol Clin** 1990 Feb;8(2):94–6 (37 ref.) (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Acute aortic occlusion secondary to Aspergillus endocarditis in an intravenous drug abuser. Light JT Jr, et al. **Ann Vasc Surg** 1991 May;5(3):271–5 (14 ref.)

ASPERGILLUS FUMIGATUS

Liposomal amphotericin-B as a therapeutic measure to control experimental aspergillosis in BALB/c mice. Ahmad I, et al. **Indian J Biochem Biophys** 1990 Dec;27(6):370–4 (38 ref.)

ASPERGILLUS NIDULANS

A case of cerebral aspergillosis caused by Aspergillus nidulans. Clinical, pathologic and mycologic identifications. Tong QJ, et al. **Chin Med J [Engl]** 1990 Jun;103(6):518–22 (9 ref.)

GENETICS

Regulation of gene expression in Aspergillus nidulans. Arst HN Jr. **Microbiol Sci** 1984 Sep;1(6):137–41 (40 ref.)

Transformation of Aspergillus nidulans. Johnstone IL. **Microbiol Sci** 1985 Oct;2(10):307–11 (29 ref.)

Of moulds and men, or two fingers are not better than one. Scazzocchio C. **Trends Genet** 1990 Oct;6(10):311–3 (18 ref.)

ASPHYXIA

ETIOLOGY

A comparison of typical death scene features in cases of fatal male and autoerotic asphyxia with a review of the literature. Byard RW, et al. **Forensic Sci Int** 1990 Dec; 48(2):113–21 (101 ref.)

[Asphyxiating thoracic dysplasia associated with proximal myopathy and arachnoid cyst] Ardura Fernández J, et al. **An Esp Pediatr** 1990 Dec;33(6):592–6 (14 ref.) **(Spa)**

MORTALITY

Anoxic asphyxia--a cause of industrial fatalities: a review. James PB, et al. **J R Soc Med** 1991 Aug;84(8):493–5 (26 ref.)

ASPHYXIA NEONATORUM

COMPLICATIONS

Etiology and pathophysiology of postasphyxial brain damage. Kjellmer I. **Int J Technol Assess Health Care** 1991;7 Suppl 1:106–9 (29 ref.)

Outcome after asphyxial and circulatory disturbances in the brain. Levene MI. **Int J Technol Assess Health Care** 1991; 7 Suppl 1:113–7 (14 ref.)

Prevention and treatment of postasphyxial cerebral damage. Raivio KO. **Int J Technol Assess Health Care** 1991;7 Suppl 1:110–2 (14 ref.)

DIAGNOSIS

Intrapartum assessment of fetal well-being. Tucker JM, et

al. **Clin Obstet Gynecol** 1990 Sep;33(3):515–25 (33 ref.)
[Diagnosis of fetal asphyxia and methods for intrauterine resuscitation] Huch R. **Klin Anasthesiol Intensivther** 1989; 37:150–60 (23 ref.) **(Ger)**

DRUG THERAPY

Results of N-methyl-D-aspartate antagonists in perinatal cerebral asphyxia therapy. Ford LM. **Pediatr Neurol** 1990 Nov–Dec;6(6):363–6 (50 ref.)

METABOLISM

[Effects of intra-partum stress on lipid metabolism. Adaptation of plasma lipid transport systems in neonates] Campoy Folgoso C, et al. **An Esp Pediatr** 1990 Sep; 33(3):245–52 (64 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Cerebrovascular regulation and neonatal brain injury. Del Toro J, et al. **Pediatr Neurol** 1991 Jan–Feb;7(1):3–12 (104 ref.)

THERAPY

Resuscitation of the newborn. Milner AD.
Arch Dis Child 1991 Jan;66(1 Spec No):66–9 (29 ref.)

URINE

[Urinary N-acetyl-beta-D-glucosaminidase activity in healthy, polycythemic and hypoxic newborn infants] Csáthy L, et al. **Orv Hetil** 1991 Mar 3;132(9):451–5 (31 ref.) (Eng. Abstr.) **(Hun)**

ASPICULARIASIS see **NEMATODE INFECTIONS**

ASPIDIUM see **PLANTS, MEDICINAL**

ASPIRATION BIOPSY see **BIOPSY, NEEDLE**

ASPIRATION LIPECTOMY see **LIPECTOMY**

ASPIRATION, MECHANICAL see **SUCTION**

ASPIRATION, MECONIUM see **MECONIUM ASPIRATION**

ASPIRATION OF GASTRIC CONTENTS see **PNEUMONIA, ASPIRATION**

ASPIRATION PNEUMONIA see **PNEUMONIA, ASPIRATION**

ASPIRIN

ADMINISTRATION & DOSAGE

An apple a day or an aspirin a day? Dalen JE.
Arch Intern Med 1991 Jun;151(6):1066–9 (45 ref.)
[Prevention of obliterating arterial diseases with acetylsalicylic acid] Berge PG, et al. **Med Klin** 1990 Aug 15;85(8):493–8 (47 ref.) **(Ger)**
[Platelet aggregation, coronary insufficiency and aspirin] Nicolau JC, et al. **Arq Bras Cardiol** 1990 Mar;54(3):223–6 (35 ref.) **(Por)**

ADVERSE EFFECTS

Reye's syndrome and aspirin: a review. Hall SM.
Br J Clin Pract Symp Suppl 1990 Aug;70:4–11 (43 ref.)
Diagnosis of sulfite and aspirin sensitivity. Bush RK, et al. **Clin Rev Allergy** 1990 Summer–Fall;8(2–3):159–78 (42 ref.)
Drug therapy during pregnancy. Niebyl JR.
Curr Opin Obstet Gynecol 1991 Feb;3(1):24–7 (18 ref.)
Adverse reactions and interactions with aspirin. Considerations in the treatment of the elderly patient. Karsh J. **Drug Saf** 1990 Sep–Oct;5(5):317–27 (74 ref.)
The risks and benefits of taking aspirin during pregnancy. Hertz-Picciotto I, et al. **Epidemiol Rev** 1990;12:108–48 (133 ref.)
Gastroduodenal mucosal damage with salsalate versus aspirin: results of experimental models and endoscopic studies in humans. Scheiman JM, et al.
Semin Arthritis Rheum 1990 Oct;20(2):121–7 (38 ref.)

ANALOGS & DERIVATIVES

Synthesis, properties and prodrug potential of 2-methyl-2-oxy- and 2-methyl-2-thio-4H-1,3-benzodioxin-4-ones. Ankersen M, et al. **Acta Chem Scand** 1989 Mar;43(3):213–21 (34 ref.)

PHARMACOKINETICS

[Pharmacokinetics of aspirin in African children with normal nutrition and malnutrition] Treluyer JM, et al.
Arch Fr Pediatr 1991 May;48(5):337–41 (22 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOLOGY

The pharmacology of aspirin, heparin, coumarin, and thrombolytic agents. Implications for therapeutic use in cardiopulmonary disease. Kessler CM. **Chest** 1991 Apr;99(4 Suppl):97S–112S (67 ref.)
The current role of platelet-active drugs in ischaemic heart disease. Kerins DM, et al. **Drugs** 1991 May;41(5):665–71 (49 ref.)
Acetylsalicylic acid and the balance between prostacyclin and thromboxane A2. Viinikka L.
Scand J Clin Lab Invest Suppl 1990;201:103–8 (36 ref.)

THERAPEUTIC USE

Coronary thrombosis: pathogenesis and prevention. Born GV. **Adv Exp Med Biol** 1990;281:355–9 (26 ref.)
Current use of antiplatelet drugs in stroke syndromes in the USA. Nelson E. **Ann N Y Acad Sci** 1990;598:368–75 (19 ref.)
Aspirin and thrombolytic therapy in the management of acute myocardial infarction. Hockings B. **Aust Fam Physician** 1990 Jul;19(7):1003, 1006–9 (13 ref.)
Aspirin versus the non-acetylated salicylates. Rainsford KD, et al. **Baillieres Clin Rheumatol** 1991 Aug;4(2):247–68 (210 ref.)
Low-dose aspirin to improve perinatal outcome. Barton JR, et al. **Clin Obstet Gynecol** 1991 Jun;34(2):251–61 (31 ref.)
Treatment of Kawasaki disease. Nakashima L, et al.
Clin Pharm 1990 Oct;9(10):755–62 (34 ref.)
Treatment and prevention of cardiovascular disease by aspirin. Hennekens CH. **Drug Saf** 1991 May–Jun; 6(3):166–70 (15 ref.)
Aspirin in transient ischemic attacks and minor stroke: a meta-analysis. Stachenko SJ, et al. **Fam Pract Res J** 1991 Jun;11(2):179–91 (37 ref.)
Prevention of cardiovascular disease: risks and benefits of aspirin. Buring JE, et al. **J Gen Intern Med** 1990 Sep–Oct; 5(5 Suppl):S54–7 (17 ref.)
The effect of prolonged aspirin therapy on experimental balloon-catheter arterial wall injury. Yeager RA, et al.
J Invest Surg 1990;3(1):5–10 (31 ref.)
Aspirin in the prevention of thrombosis. Lekstrom JA, et al. **Medicine (Baltimore)** 1991 May;70(3):161–78 (78 ref.)
Aspirin in stroke prevention. An overview. Barnett HJ.
Stroke 1990 Dec;21(12 Suppl):IV40–3 (38 ref.)
Aspirin and platelets in relation to cerebrovascular disease. Born GV. **Stroke** 1990 Dec;21(12 Suppl):IV29–31 (31 ref.)
A review of secondary coronary prevention with dipyridamole and aspirin. Prentice CR.
Thromb Res Suppl 1990;12:43–9 (11 ref.)
Aspirin as an antithrombotic drug: from the aggregometer to clinical trials. de Gaetano G.
Verh K Acad Geneeskd Belg 1990;52(6):459–71; discussion 471–3 (33 ref.)
Anti-thrombotic drugs in the treatment of coronary heart disease: the present situation with aspirin. Born GV.
Z Kardiol 1990;79 Suppl 3:147–50 (8 ref.)
[Aspirin in ischemic heart disease] Penkov N, et al.
Vutr Boles 1990;29(4):12–7 (0 ref.) **(Bul)**
[Anticoagulant or antiplatelet aggregation treatment after aortocoronary bypass] Sagnol P, et al. **Presse Med** 1991 Feb 23;20(7):287–90 (25 ref.) **(Fre)**
[Current aspects of arterial anti-thrombosis prophylaxis] Sternon J. **Rev Med Brux** 1990 Dec;11(10):503–11 (25 ref.) (Eng. Abstr.) **(Fre)**
[Aspirin in the preventive treatment of cataract] Mihail S. **Oftalmologia** 1990 Jan–Mar;34(1):43–6 (16 ref.) (Eng. Abstr.) **(Rum)**

ASPIRIN-LIKE AGENTS see **ANTI-INFLAMMATORY AGENTS, NON-STEROIDAL**

ASSERTIVENESS

Community treatment for the seriously mentally ill: is this community psychology? [comment] Mowbray CT.
Am J Community Psychol 1990 Dec;18(6):893–902 (18 ref.)
Comment on: Am J Community Psychol 1990 Dec;18(6):865–91.

ASSESSMENT, EDUCATIONAL see **EDUCATIONAL MEASUREMENT**

ASSESSMENT OF HEALTH CARE NEEDS see **HEALTH SERVICES NEEDS AND DEMAND**

ASSIMILATION see **ACCULTURATION**

ASSISTED CIRCULATION

see related
HEART-ASSIST DEVICES
Direct mechanical ventricular actuation: a review. Anstadt MP, et al. **Resuscitation** 1991 Feb;21(1):7–23 (69 ref.)

METHODS

[The treatment of acute severe cardiac insufficiency] Urban P. **Schweiz Med Wochenschr** 1990 Dec 8;120(49):1838–44 (29 ref.) (Eng. Abstr.) **(Fre)**

ASSOCIATED VIRUSES see **SATELLITE VIRUSES**

ASSOCIATION

Association brain systems as apparatus of behavior control involving dominanta and conditioning. Batuev AS.
Int J Neurosci 1990 Oct;54(3–4):183–90 (45 ref.)
Visual association pathways in human brain. Iwata M.
Tohoku J Exp Med 1990 Aug;161 Suppl:61–78 (27 ref.)

ASSOCIATION, FREE see **FREE ASSOCIATION**

ASSOCIATION LEARNING

Human classical conditioning. The status of the CS. Levey AB, et al. **Integr Physiol Behav Sci** 1991 Jan–Mar; 26(1):26–31 (9 ref.)

PHYSIOLOGY

Neural and molecular bases of nonassociative and associative learning in Aplysia. Byrne JH, et al.
Ann N Y Acad Sci 1991;627:124–49 (79 ref.)
Role of the hippocampus in temporal and spatial navigation: an adaptive neural network. Schmajuk NA.
Behav Brain Res 1990 Aug 20;39(3):205–29 (92 ref.)
A role for protein kinase C in associative learning. Olds JL, et al. **New Biol** 1991 Jan;3(1):27–35 (80 ref.)
Classical (Pavlovian) conditioning models of age-related changes in associative learning and their neurobiological substrates. Powell DA, et al. **Prog Neurobiol** 1991; 36(3):201–28 (173 ref.)

ASTASIA-ABASIA see **CONVERSION DISORDER**

ASTHENIA

CHEMICALLY INDUCED

[Polymyalgia induced by topical minoxidil] Colamarino R, et al. **Ann Med Interne (Paris)** 1990;141(5):425–8 (18 ref.) (Eng. Abstr.) **(Fre)**

ASTHENOPIA

ETIOLOGY

[Asthenopia and monitor characteristics] Rechichi C, et al. **J Fr Ophtalmol** 1990;13(8–9):456–60 (11 ref.) (Eng. Abstr.) **(Fre)**

ASTHMA

Occupational asthma. Chan-Yeung M. **Chest** 1990 Nov;98(5 Suppl):148S–161S (183 ref.)
Role of the physician in environmental and occupational asthma. Rosenstock L. **Chest** 1990 Nov;98(5 Suppl):162S–164S (16 ref.)
Bronchial asthma. George RB, et al. **Dis Mon** 1991 Mar; 37(3):137–96 (135 ref.)
Asthma in the elderly. Fanta CH. **J Asthma** 1989;26(2):87–97 (21 ref.)
Asthma during pregnancy [see comments] Greenberger PA. **J Asthma** 1990;27(6):341–7 (22 ref.) Comment in: J Asthma 1990;27(6):335–9.
Care of the asthmatic oral and maxillofacial surgery patient. Hoffman MJ, et al. **J Oral Maxillofac Surg** 1991 Jan; 49(1):69–75 (77 ref.)
The allergy management of bronchial asthma in children in Surabaya. Harsono A, et al. **Paediatr Indones** 1990 Sep–Oct; 30(9–10):266–9 (14 ref.)
Asthma and pregnancy. A challenge for everyone concerned. Barsky HE. **Postgrad Med** 1991 Jan;89(1):125–30, 132 (21 ref.)
Occupational asthma. Stenton SC, et al. **Postgrad Med J** 1991 Mar;67(785):271–7 (16 ref.)
[Bronchial asthma: difficult and unsolved problems] Fedoseev GB, et al. **Ter Arkh** 1991;63(3):74–8 (13 ref.) **(Rus)**

BLOOD

The asthma clinical score and oxygen saturation. Dawson KP. **Aust Clin Rev** 1991;11(1–2):20–1 (7 ref.)
Platelet activation [editorial] Page CP. **J Lipid Mediat** 1991 Jul–Aug;4(1):1–4 (21 ref.)

CHEMICALLY INDUCED

Bronchial hyperresponsiveness, airway inflammation and occupational asthma induced by toluene diisocyanate. Fabbri LM, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:42–7 (31 ref.)
Diagnosis of sulfite and aspirin sensitivity. Bush RK, et al. **Clin Rev Allergy** 1990 Summer–Fall;8(2–3):159–78 (42 ref.)
Prolonged asthma after smoke inhalation: a report of three cases and a review of previous reports. Moisan TC.
J Occup Med 1991 Apr;33(4):458–61 (42 ref.)

CLASSIFICATION

[Chronicle of an announced death: the end of intrinsic asthma] Molina C. **Bull Acad Natl Med** 1990 Jun–Jul; 174(6):799–804; discussion 804–5 (6 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Cough-type asthma: a review. O'Connell EJ, et al.
Ann Allergy 1991 Apr;66(4):278–82, 285 (41 ref.)
The role of incomplete pulmonary inactivation of metabolites in the association of prepatellar bursitis with asthma. Backon J. **Br J Clin Pract** 1990 Dec;44(12):585–6 (26 ref.)
Perioperative management of the asthmatic patient. Hirshman

CA. **Can J Anaesth** 1991 May;38(4 Pt 2):R26–38 (62 ref.) **(Eng, Fre)**

Cough variant asthma: a review of the clinical literature. Johnson D, et al. **J Asthma** 1991;28(2):85–90 (18 ref.)

[Asthma and gastroesophageal reflux. Outcome of asthma after longterm medical treatment of the reflux] Ojeda Casas JA, et al. **An Esp Pediatr** 1990 Oct;33(4):325–33 (51 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

The role of leukotriene antagonists and inhibitors in the treatment of airway disease. Busse WW, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 2):S103–7 (45 ref.)

Environmental and occupational asthma. Exposure assessment. Newman-Taylor A, et al. **Chest** 1990 Nov;98(5 Suppl):209S–211S (16 ref.)

A framework for assessing impairment from asthma. Weiss ST. **Chest** 1990 Nov;98(5 Suppl):225S–231S (38 ref.)

Using pulmonary function testing in the diagnosis and treatment of asthma. Siefkin AD. **Clin Rev Allergy** 1990 Summer-Fall;8(2–3):179–96 (23 ref.)

Dysphonia associated with factitious asthma [letter] Pannbacker M. **Ear Nose Throat J** 1990 Sep;69(9):656–7 (14 ref.)

The role of the peak flow meter in the diagnosis and management of asthma. Cross D, et al. **J Allergy Clin Immunol** 1991 Jan;87(1 Pt 1):120–8 (70 ref.)

Cough variant asthma: a review of the clinical literature [see comments] Johnson D, et al. **J Asthma** 1991;28(2):85–90 (18 ref.) Comment in: J Asthma 1991;28(2):83–4.

Peak flow monitoring [see comments] Mendoza GR. **J Asthma** 1991;28(3):161–77 (40 ref.) Comment in: J Asthma 1991;28(3):159–6.

Cough-variant asthma in children and adults: case reports and review. Pender ES, et al. **J Emerg Med** 1990 Nov–Dec; 8(6):727–31 (22 ref.)

Surveillance for occupational asthma. Balmes JR. **Occup Med** 1991 Jan–Mar;6(1):101–10 (46 ref.)

Respiratory distress in a child in the office. Ruddy RM. **Pediatr Emerg Care** 1990 Dec;6(4):314–20 (34 ref.)

[False asthmas of the adult] Underner M, et al. **Allerg Immunol (Paris)** 1991 Jan;23(1):11–6 (56 ref.) (Eng. Abstr.) **(Fre)**

[Occupational asthma and rhinitis: challenge tests and nasal hyperactivity: present practice and future perspectives] Grosclaude M, et al. **J Toxicol Clin Exp** 1989;9(1 Suppl Pt 2):7–13 (6 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Tomorrow's asthma therapy—are antiasthmatics in the 90ties anti-inflammatory drugs? Szelenyi I. **Agents Actions** 1991 Jan;32(1–2):24–33 (8 ref.)

Clinical trials in asthma and chronic airflow obstruction. Meyers DA, et al. **Agents Actions Suppl** 1990;30:87–107 (25 ref.)

How will we treat asthma in the year 2000? Rivington RN. **Allergy Proc** 1991 Jan–Feb;12(1):15–9 (12 ref.)

PAF antagonism as an approach to the treatment of airway hyperreactivity. Meade CJ, et al. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S79–82 (77 ref.)

The shape of the dose-response curve to inhaled bronchoconstrictor agents in asthma and in chronic obstructive pulmonary disease. Sterk PJ, et al. **Am Rev Respir Dis** 1991 Jun;143(6):1433–7 (68 ref.)

Rational drug strategy in bronchial asthma. Tan WC. **Ann Acad Med Singapore** 1991 Jan;20(1):165–71 (81 ref.)

Long-term effect of cromolyn sodium on nonspecific bronchial hyperresponsiveness: a review. Hoag JE, et al. **Ann Allergy** 1991 Jan;66(1):53–63 (65 ref.)

Asthma: current strategies for treatment. Reiss TF, et al. **Cleve Clin J Med** 1991 Mar–Apr;58(2):161–9 (76 ref.)

Future drug therapy for asthma. Barnes PJ. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:80–5 (4 ref.)

Paediatric asthma, prospects for control or cure. Kerrebijn KF. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:93–104 (50 ref.)

Update: management of asthma. Wollner A, et al. **Compr Ther** 1990 Oct;16(10):24–33 (12 ref.)

Platelet-activating factor (PAF) and PAF antagonists in asthma. Hosford D, et al. **Crit Rev Ther Drug Carrier Syst** 1990;7(3):261–73 (104 ref.)

Corticosteroids for acute, severe asthma. Kelly HW, et al. **DICP** 1991 Jan;25(1):72–9 (58 ref.)

Sympathomimetics for acute severe asthma: should only beta 2-selective agonists be used? Reed MT, et al. **DICP** 1990 Sep;24(9):868–73 (59 ref.)

Asthma and chronic obstructive lung disease: a pharmacologic approach. Spector SL. **Dis Mon** 1991 Jan; 37(1):1–58 (202 ref.)

Ketotifen. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic use in asthma and allergic disorders [published erratum appears in Drugs 1991 Feb;41(2):192] Grant SM, et al. **Drugs** 1990 Sep; 40(3):412–48 (214 ref.)

Beta-agonists and asthma mortality. What have we learned, what questions remain? Woolcock AJ. **Drugs** 1990 Nov; 40(5):653–6 (19 ref.)

Long-acting beta 2-adrenoceptor agonists: a new perspective in the treatment of asthma. Löfdahl CG, et al. **Eur Respir J** 1991 Feb;4(2):218–26 (74 ref.)

Effects of treatment on airway microvascular leakage. Barnes PJ, et al. **Eur Respir J Suppl** 1990 Dec;12:663s–670s; discussion 670s–671s (66 ref.)

Theophylline in asthma and COPD: changing perspectives and controversies. Poe RH, et al. **Geriatrics** 1991 Apr; 46(4):55–6, 61–5 (46 ref.)

Therapy for airway inflammation in asthma. Cockcroft DW. **J Allergy Clin Immunol** 1991 May;87(5):914–9 (60 ref.)

Antihistamines in the treatment of clinical asthma. Rafferty P. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 2):647–50 (21 ref.)

Blockage of a "nonspecific" provocational challenge as a model for predicting clinical efficacy. Spector SL. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 2):657–9 (22 ref.)

Glucocorticoid therapy for asthma: clinical pharmacology. Szefler SJ. **J Allergy Clin Immunol** 1991 Aug;88(2):147–65 (111 ref.)

Beta 2-agonists: pharmacology and recent developments. Meltzer DL, et al. **J Asthma** 1991;28(3):179–86 (19 ref.)

Aerosols in the treatment of asthma. Tinkelman DG, et al. **J Asthma** 1991;28(4):243–9 (35 ref.)

The use of corticosteroids in childhood asthma. Zora JA. **J Asthma** 1989;26(3):159–65 (52 ref.)

Anaphylactoid reaction to intravenous hydrocortisone sodium succinate: a case report and literature review [see comments] Fulcher DA, et al. **Med J Aust** 1991 Feb 4; 154(3):210–4 (33 ref.) Comment in: Med J Aust 1991 Jun 3;154(11):783–4.

Advances in pediatric drug therapy of asthma. Levin RH. **Nurs Clin North Am** 1991 Jun;26(2):263–72 (28 ref.)

Corticosteroid inhalation in the treatment of childhood asthma. Munasir Z, et al. **Paediatr Indones** 1990 Sep–Oct; 30(9–10):270–80 (75 ref.)

New concepts in treatment of chronic persistent asthma. Using a stepwise protocol to control inflammation. Rumbak MJ. **Postgrad Med** 1991 Sep 1;90(3):81–4, 89–90 (22 ref.)

Pharmacotherapy of asthma and allergic rhinitis. Milavetz G, et al. **Prim Care** 1990 Sep;17(3):685–701 (27 ref.)

The challenge of long-acting beta-adrenoceptor agonists. Rabe KF, et al. **Respir Med** 1991 Jan;85(1):5–9 (46 ref.)

Phosphodiesterase inhibitors: new opportunities for the treatment of asthma. Torphy TJ, et al. **Thorax** 1991 Jul; 46(7):512–23 (120 ref.)

[Role of beta-2-mimetic agents in the treatment of asthma] Clauzel AM, et al. **Allerg Immunol (Paris)** 1990 Nov; 22(9):377–82 (21 ref.) (Eng. Abstr.) **(Fre)**

[Consensus conference. The management of asthma in children] Paupe J, et al. **Ann Pediatr (Paris)** 1990 Dec; 37(10):631–43 (0 ref.) (Eng. Abstr.) **(Fre)**

[Inhalation treatment in asthma (editorial)] de Blic J, et al. **Arch Fr Pediatr** 1990 Aug–Sep;47(7):487–9 (19 ref.) **(Fre)**

[Kaposi's sarcoma complicating long-term corticotherapy for severe asthma] Bruet A, et al. **Rev Med Interne** 1990 Jul–Aug;11(4):322–4 (12 ref.) (Eng. Abstr.) **(Fre)**

[Anti-asthmatic agents. From pharmacology to clinical aspects] Louis R, et al. **Rev Med Liege** 1991 Feb;46(2):58–81 (152 ref.) **(Fre)**

[Individually-adjusted dosages of aminophylline in children with bronchial asthma] Paditz E, et al. **Kinderarztl Prax** 1990 Nov;58(11):567–74 (15 ref.) (Eng. Abstr.) **(Ger)**

[Theory and practice with inhalation steroids—systemic effects and side effects] Morr H. **Pneumologie** 1991 Mar; 45(3):85–9 (58 ref.) **(Ger)**

[Possible complications of drug-induced asthma therapy] Schreiber J, et al. **Z Arztl Fortbild (Jena)** 1991 Apr 10; 85(7):309–12 (9 ref.) **(Ger)**

[Therapy of bronchial asthma during pregnancy] Ukena D, et al. **Z Geburtshilfe Perinatol** 1990 Sep–Oct;194(5):188–99 (46 ref.) (Eng. Abstr.) **(Ger)**

[Adverse drug effects in bronchial asthma] Zamir C, et al. **Harefuah** 1990 Dec 2;119(11):392–6 (45 ref.) **(Heb)**

[The treatment of chronic asthma and its long-term results] Kabe J. **Arerugi** 1990 Aug;39(8):647–53 (39 ref.) **(Jpn)**

[Inhaled glucocorticoids in the treatment of patients with bronchial asthma] Molostova TN. **Ter Arkh** 1991; 63(3):143–7 (127 ref.) **(Rus)**

ECONOMICS

Compensation for occupational asthma in Quebec. Malo JL. **Chest** 1990 Nov;98(5 Suppl):236S–239S (25 ref.)

EPIDEMIOLOGY

Epidemiologic studies of asthma epidemics in Barcelona. Antó JM, et al. **Chest** 1990 Nov;98(5 Suppl):185S–190S (20 ref.)

Epidemiology and surveillance. Becklake MR. **Chest** 1990 Nov;98(5 Suppl):165S–172S (72 ref.)

Asthma surveillance in the United States. A review of current trends and knowledge gaps. Weiss KB, et al. **Chest** 1990 Nov;98(5 Suppl):179S–184S (29 ref.)

The prevalence of predictors of bronchial hyperreactivity in children and adolescents [see comments] Backer V. **J Asthma** 1990;27(4):197–205 (72 ref.) Comment in: J Asthma 1990;27(4):195–6.

Asthma in New Zealand children. Dawson KP, et al. **J Asthma** 1990;27(5):291–7 (33 ref.)

[Do we have an asthma epidemic?] Magnus P, et al. **Tidsskr Nor Laegeforen** 1991 Mar 20;111(8):972–5 (25 ref.) (Eng. Abstr.) **(Nor)**

ETIOLOGY

Recalcitrant asthma: an allergist's approach. Luskin AT. **Allergy Proc** 1990 Nov–Dec;11(6):281–94 (168 ref.)

The roles of inflammatory cells in the pathogenesis of asthma and of chronic obstructive pulmonary disease. Corrigan CJ, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1165–8; discussion 1175–6 (54 ref.)

Do cytokines play a role in leukocyte recruitment and activation in the lungs? Schleimer RP, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1169–74; discussion 1175–6 (100 ref.)

The role of platelet-activating factor in asthma. Smith LJ. **Am Rev Respir Dis** 1991 May;143(5 Pt 2):S100–2 (45 ref.)

The natural history of asthma. Nelson HS. **Ann Allergy** 1991 Mar;66(3):196–203 (50 ref.)

Structure activity hypotheses in occupational asthma caused by low molecular weight substances. Agius RM, et al. **Ann Occup Hyg** 1991 Apr;35(2):129–37 (41 ref.)

Mediators of bronchial hyperresponsiveness. Chung KF. **Clin Exp Allergy** 1990 Sep;20(5):453–8 (66 ref.)

Inflammatory processes and bronchial hyperresponsiveness. Holgate ST, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:30–6 (15 ref.)

Bronchial hyperresponsiveness and bacterial respiratory infections. Cazzola M, et al. **Clin Ther** 1991 Jan–Feb; 13(1):157–71 (86 ref.)

The Dutch hypothesis (chronic non-specific lung disease) revisited. Sluiter HJ, et al. **Eur Respir J** 1991 Apr; 4(4):479–89 (120 ref.)

Complications of reflux esophagitis and their medical management. Kozarek RA. **Gastroenterol Clin North Am** 1990 Sep;19(3):713–31 (126 ref.)

Asthma and inflammation. Kay AB. **J Allergy Clin Immunol** 1991 May;87(5):893–910 (145 ref.)

Food sensitivity in asthma: perception and reality. Chiaramonte LT, et al. **J Asthma** 1991;28(1):5–9 (23 ref.)

The role of pulmonary hypertension in the pathogenesis of bronchial asthma. Rosival V. **Med Hypotheses** 1990 Sep; 33(1):7–9 (27 ref.)

Common triggers of asthma. Spector SL. **Postgrad Med** 1991 Sep 1;90(3):50–2, 55–9 (63 ref.)

Nocturnal asthma, its pathogenesis and treatment. D'Alonzo GE, et al. **Prog Clin Biol Res** 1990;341A:223–33 (35 ref.)

[The place of mental stimuli in the etiopathogenic mechanisms of bronchial asthma with a psychogenic trigger. Thoughts on some of the author's studies (epidemiology, psychology)] Iamandescu IB. **Rev Roum Physiol** 1990 Apr–Jun;27(2):121–35 (42 ref.) **(Fre)**

[Eosinophil-induced lung injury] Iwamoto I. **Kokyu To Junkan** 1991 Jun;39(6):514–21 (42 ref.) **(Jpn)**

[Role of erythrocytes in the pathogenesis of bronchial asthma—nontraditional aspects] Mineev VN. **Ter Arkh** 1990;62(12):119–21 (26 ref.) **(Rus)**

[The role of different microorganisms and infectious processes in the occurrence and course of bronchial asthma] Vishniakova LA. **Ter Arkh** 1990;62(11):59–62 (21 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Genetics of asthma and atopy: an overview. Sibbald B. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:178–81 (11 ref.)

IMMUNOLOGY

T cells, macrophages and platelets in asthma. Palma-Carlos AG, et al. **Allerg Immunol (Paris)** 1991 Jun;23(6):234–8 (24 ref.)

Immunology, inflammation and asthma [editorial] Palma-Carlos AG. **Allerg Immunol (Paris)** 1991 Jun; 23(6):232–3 (0 ref.)

Allergens and asthma. Platts-Mills TA. **Allergy Proc** 1990 Nov–Dec;11(6):269–71 (25 ref.)

The potential roles of leukotrienes in bronchial asthma. Piacentini GL, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 2):S96–9 (57 ref.)

T-lymphocytes, allergy and asthma. Kay AB, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:17–21 (20 ref.)

Macrophages and allergic asthma. Lee TH, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:22–3 (6 ref.)

Macrophage-granulocyte interactions in allergic diseases. Lee TH. **Clin Exp Allergy** 1990 Sep;20(5):469–73 (39 ref.)

IgG4 antibodies and their role in asthmatic patients. Halpern GM. **J Asthma** 1989;26(6):345–8 (19 ref.)

Hypogammaglobulinemia and asthma: do any patients with asthma have deficiency of antibody? Smith TF. **J Asthma** 1989;26(1):5–13 (48 ref.)

Late asthmatic responses. Durham SR. **Respir Med** 1990 Jul; 84(4):263–8 (74 ref.)

Lymphocytes in asthma. Kay AB. **Respir Med** 1991 Mar; 85(2):87–90 (34 ref.)

[Mechanism of the development and management of a chronic state of allergic diseases—bronchial asthma] Makino S. **Nippon Naika Gakkai Zasshi** 1991 Mar 10; 80(3):395–8 (5 ref.) **(Jpn)**

[IgG2 deficiency associated with recurrent pneumonia and asthma (review of an IgG subclass)] de José Gomez MI, et al. **An Esp Pediatr** 1990 Sep;33(3):258–64 (51 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

Sulphidopeptide leukotrienes in asthma. Lee TH, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991;

21A:415–9 (9 ref.)
Eicosanoids and inflammatory cells in asthma. O'Byrne PM. **Agents Actions Suppl** 1990;31:85–101 (60 ref.)
Cellular activation and releasability in asthma and in chronic obstructive pulmonary disease. Lee TH. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1162–4; discussion 1175–6 (32 ref.)
The pharmacology and mechanisms of action of histamine H1-antagonists. Rimmer SJ, et al. **Clin Exp Allergy** 1990 Aug;20 Suppl 2:3–17 (177 ref.)
[The role of neuropeptides in asthma] Underner M, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1990;127(1):51–61 (78 ref.) **(Fre)**

MORTALITY

Asthma deaths: where now? Abramson M, et al. **Med J Aust** 1991 Jan 7;154(1):12–3 (16 ref.)

PATHOLOGY

Pharmacology of airway smooth muscle in chronic obstructive pulmonary disease and in asthma [published erratum appears in Am Rev Respir Dis 1991 Sep;144(3 Pt 1):733] Black JL. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1177–81 (34 ref.)
Morphology of the airway wall in asthma and in chronic obstructive pulmonary disease. Jeffery PK. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1152–8; discussion 1161 (61 ref.)
Cellular infiltrates in asthma and in chronic obstructive pulmonary disease. Laitinen A, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1159–60; discussion 1161 (14 ref.)
Vascular beds in the airways of normal subjects and asthmatics [published erratum appears in Eur Respir J Suppl 1991 Mar;4(3):382, 659S–660S] Laitinen A, et al. **Eur Respir J Suppl** 1990 Dec;12:658s–661s; discussion 661s–662s (25 ref.)
Inflammatory cells in bronchial asthma [see comments] Kay AB. **J Asthma** 1989;26(6):335–44 (70 ref.) Comment in: J Asthma 1989;26(6):331–3.

PHYSIOPATHOLOGY

Airway hyperreactivity, an introduction. Pauwels R, et al. **Agents Actions Suppl** 1990;31:11–24 (39 ref.)
Nocturnal asthma: a model of chronobiologic and pathophysiologic interactions. Schutzer SE. **Allerg Immunol (Paris)** 1991 Feb;23(2):47–8 (13 ref.)
Why do they wheeze? Grant JA. **Allergy Proc** 1991 Jan–Feb; 12(1):1–3 (24 ref.)
Aerosol physiology, deposition, and metered dose inhalers. Newman SP. **Allergy Proc** 1991 Jan–Feb;12(1):41–5 (14 ref.)
Neuropeptides and asthma. Barnes PJ. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S28–32 (88 ref.)
Control of airway caliber by autonomic nerves in asthma and in chronic obstructive pulmonary disease. de Jongste JC, et al. **Am Rev Respir Dis** 1991 Jun;143(6):1421–6 (75 ref.)
The role of the eosinophil in asthma. Holgate ST, et al. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S66–70 (62 ref.)
Isocapnic hyperventilation for measuring airway hyperresponsiveness in asthma and in chronic obstructive pulmonary disease. O'Byrne PM, et al. **Am Rev Respir Dis** 1991 Jun;143(6):1444–5 (9 ref.)
Hyperresponsiveness as a determinant of the outcome in childhood asthma. Phelan PD. **Am Rev Respir Dis** 1991 Jun;143(6):1463–6; discussion 1466–7 (28 ref.)
Interaction between parenchyma and airways in chronic obstructive pulmonary disease and in asthma. Pride NB, et al. **Am Rev Respir Dis** 1991 Jun;143(6):1446–9 (32 ref.)
Chronophysiologic determinants of asthma. D'Alonzo GE, et al. **Ann N Y Acad Sci** 1991;618:123–39 (74 ref.)
Asthma and airway hyperresponsiveness. Ingram RH Jr. **Annu Rev Med** 1991;42:139–50 (37 ref.)
Adenosine bronchoconstriction in asthma: investigations into its possible mechanism of action. Ng WH, et al. **Br J Clin Pharmacol** 1990;30 Suppl 1:89S–98S (56 ref.)
Why asthmatic patients should not sleep in the right lateral decubitus position. Backon J, et al. **Br J Clin Pract** 1990 Nov;44(11):448–9 (30 ref.)
Assessing disability from occupational asthma. A perspective on the AMA guides. Harber P. **Chest** 1990 Nov;98(5 Suppl):232S–235S (6 ref.)
Clinical assessment of bronchial hyperresponsiveness due to nonspecific and specific agents. Pickering CA. **Chest** 1990 Nov;98(5 Suppl):202S–205S (30 ref.)
The significance of late responses in asthma. Durham SR. **Clin Exp Allergy** 1991 Jan;21(1):3–7 (50 ref.)
Histamine and asthma: an appraisal based on specific H1-receptor antagonism. Howarth PH. **Clin Exp Allergy** 1990 Aug;20 Suppl 2:31–41 (84 ref.)
Processes and bronchial hyperresponsiveness. Pauwels R, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:48–55 (15 ref.)
Bronchial hyperresponsiveness in asthma: its significance and therapy. Zuwallack RL. **Conn Med** 1990 Nov;54(11):607–13 (94 ref.)
Plasma exudation in tracheobronchial and nasal airways: a mucosal defence mechanism becomes pathogenic in asthma and rhinitis. Persson CG. **Eur Respir J Suppl** 1990 Dec; 12:652s–656s; discussion 656s–657s (27 ref.)
Mast cells and histamine in asthma. Peters SP. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 2):642–6 (21 ref.)
Physiological assessment of inflammation in the peripheral lung of asthmatic patients. Ingram RH Jr. **Lung** 1990; 168(5):237–47 (22 ref.)
Asthma: the pulse is not the paradox. Williams MH Jr. **Lung** 1990;168(4):179–84 (15 ref.)
[Asthma and infection: interrelations] Gormand F, et al. **Rev Mal Respir** 1991;8(3):269–76 (74 ref.) (Eng. Abstr.) **(Fre)**
[Asthma and bronchial hyperreactivity. Current concepts] Faber J, et al. **Rev Med Brux** 1991 Jan–Feb;12(1–2):9–18 (85 ref.) (Eng. Abstr.) **(Fre)**
[Allergic respiratory tract obstructions: organ manifestation and clinical outcome] Schultze-Werninghaus G. **Verh Dtsch Ges Inn Med** 1990;96:20–6 (38 ref.) **(Ger)**
[The role of arachidonic acid metabolites in the pathogenesis of bronchial asthma] Seeger W, et al. **Verh Dtsch Ges Inn Med** 1990;96:685–93 (54 ref.) **(Ger)**
[Analysis of maximal expiratory flow-volume curves—visual evaluation and quantitative evaluation] Meguro T, et al. **Nippon Eiseigaku Zasshi** 1991 Jun;46(2):625–34 (40 ref.) (Eng. Abstr.) **(Jpn)**
[The role of beta adrenergic receptors in bronchial asthma] Chazan R. **Pneumonol Pol** 1990 Jun;58(6):343–9 (93 ref.) **(Pol)**
[Nonimmune mechanisms of bronchial asthma] Snegova EA, et al. **Ter Arkh** 1990;62(12):116–9 (62 ref.) **(Rus)**
[Leukotrienes as mediators of respiratory tract obstruction in bronchial asthma] Péč M, et al. **Cesk Fysiol** 1991; 40(2):147–57 (37 ref.) **(Slo)**
[Platelet activating factor in the physiopathology of bronchial asthma] Fraj Lázaro J, et al. **Med Clin (Barc)** 1991 Jan 12;96(1):30–4 (51 ref.) **(Spa)**

PREVENTION & CONTROL

Prospects for the prevention of asthma. Warner JA. **Allergy Proc** 1991 Jan–Feb;12(1):11–4 (19 ref.)
Aero-allergen avoidance in the prevention and treatment of asthma. Warner JO, et al. **Clin Exp Allergy** 1990 Sep;20 Suppl 3:15–9 (38 ref.)
Cetirizine. A review of its pharmacological properties and clinical potential in allergic rhinitis, pollen-induced asthma, and chronic urticaria. Campoli-Richards DM, et al. **Drugs** 1990 Nov;40(5):762–81 (93 ref.)
Environmental controls and immunotherapy in the treatment of chronic asthma. Adinoff AD. **J Asthma** 1990; 27(5):277–89 (53 ref.)
Chemoprophylaxis in asthma [see comments] MacDonald GF. **J Asthma** 1990;27(5):269–75 (41 ref.) Comment in: J Asthma 1990;27(5):265–7.
Allergen avoidance in childhood asthma. Warner JA, et al. **Respir Med** 1991 Mar;85(2):101–5 (40 ref.)
[Therapy of obstructive respiratory tract diseases. V: Mediator antagonists] Ukena D, et al. **Med Klin** 1990 Aug 15;85(8):499–503 (77 ref.) **(Ger)**
[Pharmaco-prevention of bronchial asthma using membrane stabilizers and asthma mortality] Neffen HE. **Rev Alerg Mex** 1990 Sep–Oct;37(5):155–63 (48 ref.) (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

A reinterpretation of psychologically induced airways changes. Kotses H, et al. **J Asthma** 1989;26(1):53–63 (61 ref.)
Adherence issues in the medical management of asthma. Lemanek K. **J Pediatr Psychol** 1990 Aug;15(4):437–58 (65 ref.)

REHABILITATION

Clinical surveillance and management of occupational asthma. Tertiary prevention by the primary practitioner. Cullen MR. **Chest** 1990 Nov;98(5 Suppl):196S–201S (14 ref.)
Rehabilitation of a patient with asthma in the outpatient setting. Strunk RC, et al. **J Allergy Clin Immunol** 1991 Mar; 87(3):601–11 (42 ref.)
Rehabilitation of asthmatic patients. Motivating your patients to improve their life-style. Wolf SI. **Postgrad Med** 1991 Sep 1;90(3):93–6 (15 ref.)

THERAPY

Acute care of mild to moderately severe asthma in 1990. Aelony Y. **Allerg Immunol (Paris)** 1990 Oct;22(8):333–6 (27 ref.)
Management of childhood asthma. Warner JO. **Allergy Proc** 1991 Jan–Feb;12(1):5–9 (26 ref.)
Current management of acute severe asthma. Tattersfield AE. **Br J Hosp Med** 1991 Jul;46(1):38–41 (19 ref.)
Treatment of chronic asthma in children: the changing role of inhaled corticosteroids. Allergy Section, Canadian Paediatric Society. **Can Med Assoc J** 1991 Sep 15; 145(6):637–8 (22 ref.)
Clinical management when the environment can be changed. Reed CE. **Chest** 1990 Nov;98(5 Suppl):216S–219S (12 ref.)
The future role of immunotherapy in the treatment of allergic asthma. Bousquet J, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:221–6 (0 ref.)
Can asthma be cured? Turner-Warwick M. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:105–10 (13 ref.)
Specific immunotherapy in asthma. Bousquet J, et al. **J Allergy Clin Immunol** 1990 Sep;86(3 Pt 1):292–305 (142 ref.)
Acute life-threatening asthma. Dellinger RP. **Postgrad Med** 1991 Sep 1;90(3):63–6, 69–72, 77 (17 ref.)
Asthma in primary care patients. Challenges and controversies. Weinberg H. **Postgrad Med** 1990 Oct; 88(5):107–10, 113–4 (17 ref.)
Managing asthma in hospital: cause for concern. Barnes PJ. **Postgrad Med J** 1991 Jan;67(783):1–3 (26 ref.)
Successes and failures in the treatment of bronchial asthma. Hutás I. **Ther Hung** 1990;38(4):143–51 (62 ref.)
[Current concepts in the treatment of asthma (in the United States)] Halpern GM. **Allerg Immunol (Paris)** 1990 Oct; 22(8):338–42 (0 ref.) (Eng. Abstr.) **(Fre)**
[Current aspects of the therapy of bronchial asthma in childhood] Leupold W, et al. **Kinderarztl Prax** 1990 Oct; 58(10):503–10 (15 ref.) (Eng. Abstr.) **(Ger)**
[Bronchial asthma: allergy and inflammation. Principles of rational asthma therapy (published erratum appears in Monatsschr Kinderheilkd 1990 Dec;138(12):831)] Dorsch W. **Monatsschr Kinderheilkd** 1990 Sep;138(9):578–83 (46 ref.) (Eng. Abstr.) **(Ger)**
[Alternative treatment possibilities of atopic diseases] Haidvogl M. **Padiatr Padol** 1990;25(6):389–96 (9 ref.) (Eng. Abstr.) **(Ger)**
[Therapy of bronchial asthma] Zach M. **Padiatr Padol** 1990; 25(4):259–71 (37 ref.) (Eng. Abstr.) **(Ger)**

ASTHMA, BRONCHIAL see **ASTHMA**

ASTHMA, EXERCISE-INDUCED

PHYSIOPATHOLOGY

Pulmonary concerns and the exercise prescription. Mink BD. **Clin Sports Med** 1991 Jan;10(1):105–16 (33 ref.)
[Exercise test in exercise-induced asthma in children: study of delayed response] Martorell Aragonés A, et al. **An Esp Pediatr** 1990 Jun;32(6):479–83 (25 ref.) (Eng. Abstr.) **(Spa)**

ASTHMATIC CRISIS see **STATUS ASTHMATICUS**

ASTHMATIC SHOCK see **STATUS ASTHMATICUS**

ASTIGMATISM

ETIOLOGY

[Astigmatism in corneal graft. Prevention and treatment] Riss I. **J Fr Ophtalmol** 1991;14(1):36–45 (51 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Prospective corneal topographic analysis in surgery for postkeratoplasty astigmatism. Frangieh GT, et al. **Arch Ophthalmol** 1991 Apr;109(4):506–10 (23 ref.)
The surgical correction of astigmatism: a clinician's perspective. Lindstrom RL. **Refract Corneal Surg** 1990 Nov–Dec;6(6):441–54 (51 ref.)
[Results of transverse incisions in surgical correction of severe post-keratoplasty astigmatism] Saragoussi JJ, et al. **J Fr Ophtalmol** 1990;13(10):492–9 (24 ref.) (Eng. Abstr.) **(Fre)**
[Surgical correction of corneal astigmatism] van Rij G. **Fortschr Ophthalmol** 1990;87 Suppl:S224–7 (27 ref.) (Eng. Abstr.) **(Ger)**

ASTRAGALUS see **TALUS**

ASTROCYTES

CHEMISTRY

[Identification of cells of the central nervous system using cell-specific markers] Hewicker M, et al. **Tierarztl Prax** 1991 Jun;19(3):241–6 (20 ref.) (Eng. Abstr.) **(Ger)**

CYTOLOGY

Ontogeny of radial and other astroglial cells in murine cerebral cortex. Mission JP, et al. **GLIA** 1991;4(2):138–48 (50 ref.)
Points of controversy in the O-2A lineage: clocks and type-2 astrocytes. Noble M. **GLIA** 1991;4(2):157–64 (71 ref.)
Division of astroblasts and oligodendroblasts in postnatal rodent brain: evidence for separate astrocyte and oligodendrocyte lineages. Skoff RP, et al. **GLIA** 1991; 4(2):165–74 (45 ref.)
Neurono-glial interactions and neural plasticity. Moonen G, et al. **Prog Brain Res** 1990;86:63–73 (40 ref.)
The complex relationship between cell division and the control of differentiation in oligodendrocyte-type-2 astrocyte progenitor cells isolated from perinatal and adult rat optic nerves. Noble M, et al. **Prog Growth Factor Res** 1989;1(3):179–94 (42 ref.)

IMMUNOLOGY

Astrocytes: auxiliary cells for immune responses in the central nervous system? Hertz L, et al. **Immunol Today** 1990 Aug; 11(8):265–8 (0 ref.)

METABOLISM

Astrocytes within the hypothalamic arcuate nucleus contain estrogen-sensitive peroxidase, bind fluorescein-conjugated estradiol, and may mediate synaptic plasticity in the rat. Keefe DL, et al. **Am J Obstet Gynecol** 1991 Apr; 164(4):959-66 (54 ref.)

[Neuronal and astrocytic plasticity: metabolic aspects] Tholey G, et al. **Ann Med Interne (Paris)** 1990;141 Suppl 1:13-8 (21 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Astroglia in CNS injury. Hatten ME, et al. **GLIA** 1991; 4(2):233-43 (93 ref.)

PHYSIOLOGY

Astrocytes in hepatic encephalopathy. Norenberg MD. **Adv Exp Med Biol** 1990;272:81-97 (98 ref.)

Astrocytes in neurotransmission. A review. Hansson E, et al. **Cell Mol Biol** 1990;36(5):487-96 (61 ref.)

ASTROCYTOMA

DIAGNOSIS

MRI of radiation induced spinal cord glioma. Bazan C 3d, et al. **Neuroradiology** 1990;32(4):331-3 (10 ref.)

[Meningeal hemorrhage disclosing a brain tumor in a child] Lena G, et al. **Ann Pediatr (Paris)** 1991 Mar;38(3):193-5 (10 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Chemotherapeutic treatment of extensive optic pathway tumors in infants. Kretschmar CS, et al. **J Neurooncol** 1991 Jun;10(3):263-70 (41 ref.)

ETIOLOGY

A case of dyschondroplasia associated with brain stem glioma: diagnosis by stereotactic biopsy. Patt S, et al. **Neurosurgery** 1990 Sep;27(3):487-91 (21 ref.)

GENETICS

Genetics of the malignant progression of astrocytoma. Mikkelsen T, et al. **J Cell Biochem** 1991 May;46(1):3-8 (18 ref.)

[Chromosome anomalies in brain tumors] Berthéas MF, et al. **Pediatrie** 1991;46(1):65-9 (28 ref.) (Eng. Abstr.) **(Fre)**

MORTALITY

Survival of patients with well-differentiated astrocytomas diagnosed in the era of computed tomography. Vertosick FT Jr, et al. **Neurosurgery** 1991 Apr;28(4):496-501 (20 ref.)

PATHOLOGY

Histologic and clinical factors of prognostic significance in astrocytic gliomas. Soffietti R. **J Neurosurg Sci** 1990 Jul-Dec;34(3-4):231-4 (36 ref.)

[Clinical pathology of pleomorphic xanthoastrocytoma] Lu DH, et al. **Chung-hua Ping Li Hsueh Tsa Chih** 1990 Sep; 19(3):233-4 (16 ref.) **(Chi)**

[Recent data in pathological anatomy of primary brain tumors] Tommasi M, et al. **Pediatrie** 1991;46(1):31-7 (36 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Survival of patients with well-differentiated astrocytomas diagnosed in the era of computed tomography. Vertosick FT Jr, et al. **Neurosurgery** 1991 Apr;28(4):496-501 (20 ref.)

SURGERY

The fastigial pressor response. Case report. Elisevich K, et al. **J Neurosurg** 1991 Jan;74(1):147-51 (45 ref.)

Benign recurrence of a pilocytic cerebellar astrocytoma 36 years after radical removal: case report. Pagni CA, et al. **Neurosurgery** 1991 Apr;28(4):606-9 (42 ref.)

THERAPY

ImuVert therapy in the treatment of recurrent malignant astrocytomas: nursing implications. Cress NB, et al. **J Neurosci Nurs** 1991 Feb;23(1):29-33 (20 ref.)

Hyperthermia treatment for malignant brain tumors: nursing management during therapy. Edwards DK, et al. **J Neurosci Nurs** 1991 Feb;23(1):34-8 (21 ref.)

ASYMMETRIC SEPTAL HYPERTROPHY see **CARDIOMYOPATHY, HYPERTROPHIC**

ASYSTOLE see **HEART ARREST**

ATAXIA

DIAGNOSIS

[Atypical and combined forms of infectious-allergic polyneuropathies] Kanareĭkin KF, et al. **Klin Med (Mosk)** 1991 Apr;69(4):14-7 (32 ref.) **(Rus)**

DRUG THERAPY

Vigabatrin. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in epilepsy and disorders of motor control. Grant SM, et al. **Drugs** 1991 Jun;41(6):889-926 (159 ref.)

ETIOLOGY

[A case of epidural lipomatosis presenting spinal ataxia] Tsuzaka K, et al. **Rinsho Shinkeigaku** 1991 Feb;31(2):206-9 (11 ref.) (Eng. Abstr.) **(Jpn)**

ATAXIA, CEREBELLAR see **CEREBELLAR ATAXIA**

ATAXIA TELANGIECTASIA

Ataxia-telangiectasia: an interdisciplinary approach to pathogenesis. Gatti RA, et al. **Medicine (Baltimore)** 1991 Mar;70(2):99-117 (99 ref.)

GENETICS

Localizing the genes for ataxia-telangiectasia: a human model for inherited cancer susceptibility. Gatti RA. **Adv Cancer Res** 1991;56:77-104 (135 ref.)

Bloom syndrome and ataxia telangiectasia. Llerena JC Jr, et al. **Semin Hematol** 1991 Apr;28(2):95-103 (62 ref.)

ATAXIAS, HEREDITARY see **SPINOCEREBELLAR DEGENERATION**

ATELECTASIS

The various faces of right upper lobe atelectasis. Kattan KR. **Crit Rev Diagn Imaging** 1991;32(2):119-63 (36 ref.)

ATELECTASIS, CONGESTIVE see **RESPIRATORY DISTRESS SYNDROME, ADULT**

ATENOLOL

THERAPEUTIC USE

The combination of slow-release nifedipine and atenolol for stable angina. Waller DG, et al. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 5:899-904 (33 ref.)

Beta-blockers in alcohol withdrawal. Neff DA, et al. **DICP** 1991 Jan;25(1):31-2 (8 ref.)

ATHEROMA see **ATHEROSCLEROSIS**

ATHEROSCLEROSIS

Animal models of atherosclerosis. Armstrong ML, et al. **Atherosclerosis** 1990 Nov;85(1):15-23 (74 ref.)

Antioxidants and atherosclerosis: a current assessment. Chisolm GM 3d. **Clin Cardiol** 1991 Feb;14(2 Suppl 1):I25-30 (70 ref.)

[Up-date on atherosclerosis] Capron L, et al. **J Mal Vasc** 1990;15(4):380-9 (47 ref.) (Eng. Abstr.) **(Fre)**

BLOOD

Atherosclerosis alters the response to activated platelets and leukocytes. Heistad DD, et al. **Adv Exp Med Biol** 1990; 273:173-80 (25 ref.)

Vascular and platelet eicosanoids, smoking and atherosclerosis. Jeremy JY, et al. **Adv Exp Med Biol** 1990; 273:135-46 (63 ref.)

Lipoprotein(a) and atherosclerosis. Scanu AM, et al. **Ann Intern Med** 1991 Aug 1;115(3):209-18 (72 ref.)

Basic data related to lipid abnormalities in peripheral vascular disease. Rapp JH. **Ann Vasc Surg** 1990 Nov;4(6):604-8 (79 ref.)

Platelet-derived growth factor and its role in atherogenesis: a brief review. Tennant M, et al. **Aust N Z J Surg** 1991 Jul;61(7):482-8 (90 ref.)

A rationale for setting target plasma lipid levels to reverse atherosclerosis. Parker TS, et al. **Beitr Infusionther** 1988; 23:132-7 (12 ref.)

Triglyceride-rich lipoproteins and atherosclerosis. Schwandt P. **Drugs** 1990;40 Suppl 1:38-41 (14 ref.)

Atherosclerosis and lipid disorders after renal transplantation. Drüeke TB, et al. **Kidney Int Suppl** 1991 Apr;31:S24-8 (52 ref.)

Exercise training, serum lipids, and lipoprotein particles: is there a change threshold? Superko HR. **Med Sci Sports Exerc** 1991 Jun;23(6):677-85 (85 ref.)

LDL-metabolism of the arterial wall--new implications for atherogenesis. Dresel HA, et al. **Z Kardiol** 1990;79 Suppl 3:9-16 (76 ref.)

[Conformational changes in lipoproteins containing apo B: significance of monoclonal antibodies] Harduin P, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:25-34 (30 ref.) **(Fre)**

[The mysteries of lipoprotein (a): a bridge between thrombosis and atheroma] Hachulla E, et al. **Rev Med Interne** 1991 May-Jun;12(3):192-7 (26 ref.) (Eng. Abstr.) **(Fre)**

[Determination of potentially atherogenic triglyceride-rich lipoprotein particles] Alaupovic P, et al. **Klin Wochenschr** 1990;68 Suppl 22:38-42 (29 ref.) (Eng. Abstr.) **(Ger)**

[Triglyceride-rich lipoproteins as risk factors for atherosclerosis] Schwandt P. **Klin Wochenschr** 1990;68 Suppl 22:54-8 (20 ref.) (Eng. Abstr.) **(Ger)**

[Plasma concentration of lipoprotein(a) and distribution of its subtypes in the healthy population of Hungary] Császár A, et al. **Orv Hetil** 1990 Sep 23;131(38):2071-5 (34 ref.) (Eng. Abstr.) **(Hun)**

CHEMICALLY INDUCED

International Commission for Protection Against Environmental Mutagens and Carcinogens. ICPEMC Working Paper 7/1/3. Animal studies suggesting involvement of mutagen/carcinogen exposure in atherosclerosis. Wakabayashi K. **Mutat Res** 1990 Nov; 239(3):181-7 (39 ref.)

COMPLICATIONS

Atheroembolization: case report and review [clinical conference] Rosenbloom MS. **Del Med J** 1991 Mar; 63(3):159-64 (27 ref.)

Insights into the pathogenetic mechanisms of unstable angina. Cohen M, et al. **Haemostasis** 1990;20 Suppl 1:102-12 (90 ref.)

Diabetes and coronary heart disease: the role of hyperlipidemia. Betteridge DJ. **J Diabetic Complications** 1990 Apr-Jun;4(2):53-6 (31 ref.)

Atherosclerotic carotid disease and the eye. Breen LA. **Neurol Clin** 1991 Feb;9(1):131-45 (77 ref.)

Carotid and coronary atherosclerosis. What are the connections? Crouse JR 3d. **Postgrad Med** 1991 Sep 1; 90(3):175-9 (25 ref.)

Extracranial atherosclerosis and cerebrovascular disease. Minimizing the risk of stroke. Salgado ED. **Postgrad Med** 1991 Mar;89(4):193-7 (19 ref.)

What causes spasm of atherosclerotic arteries? Is regression of plaques beneficial? Heistad DD, et al. **Trans Am Clin Climatol Assoc** 1989;101:103-10; discussion 110-3 (27 ref.)

[An often ignored complication of left heart catheterization: embolism of cholesterol crystals. Report of 9 cases] Mycinski C, et al. **Arch Mal Coeur** 1990 Oct;83(11):1643-50 (30 ref.) (Eng. Abstr.) **(Fre)**

[Atherosclerotic nephropathy. Clinical manifestations of chronic arterial circulatory insufficiency of the kidneys] Krapf R. **Schweiz Med Wochenschr** 1990 Sep 29; 120(39):1415-20 (25 ref.) (Eng. Abstr.) **(Ger)**

[Disorders of hemostasis in atherosclerosis in middle-aged and aged patients] Titova MI, et al. **Sov Med** 1990;(9):31-4 (57 ref.) **(Rus)**

[Atheroembolic disease. Presentation of a case of multisystemic involvement and review of the literature] Maduell F, et al. **Rev Med Univ Navarra** 1989 Apr-Jun; 33(2):77-9 (31 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Reducing the risk of stroke: identifying patients to refer for carotid endarterectomy. Gelabert HA, et al. **Geriatrics** 1991 Sep;46(9):22-6 (24 ref.)

DRUG THERAPY

Probucol and its mechanisms for reducing atherosclerosis. Jackson RL, et al. **Adv Exp Med Biol** 1991;285:367-72 (25 ref.)

A new generation of calcium antagonists and their role in atherosclerosis. Paoletti R, et al. **Am J Cardiol** 1990 Nov 20;66(18):28H-31H (23 ref.)

Calcium antagonists in experimental atherosclerosis. Use-dependence of isradipine: a potential explanation for enhanced action in atherosclerotic animals and tissue selectivity. Hof RP, et al. **Am J Hypertens** 1991 Feb;4(2 Pt 2):107S-113S (81 ref.)

Calcium channel blockers and atherosclerosis. Sowers JR. **Am J Kidney Dis** 1990 Oct;16(4 Suppl 1):3-9 (24 ref.)

Atherosclerosis and fish oil. Goerig M, et al. **Cardiovasc Drugs Ther** 1988 Sep;2(3):281-2 (3 ref.)

Influence of nifedipine on experimental arteriosclerosis. Knorr AM, et al. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 5:1027-31 (25 ref.)

Prevention and regression of atherosclerosis with drug therapy. Superko HR. **Clin Cardiol** 1991 Feb;14(2 Suppl 1):I40-7 (48 ref.)

Setting the record straight on low-dose heparin. Shulman AG. **Lancet** 1991 Sep 7;338(8767):619-20 (26 ref.)

Heparin, non-heparin glycosaminoglycans, and heparinoids: an overview of their application in atherosclerosis. Engelberg H. **Semin Thromb Hemost** 1991;17 Suppl 1:5-8 (14 ref.)

Therapeutic potential of ACAT inhibitors as lipid lowering and anti-atherosclerotic agents. Sliskovic DR, et al. **Trends Pharmacol Sci** 1991 May;12(5):194-9 (43 ref.)

[Therapeutics and arterial aging. Antiaggregants] Decamps A, et al. **Ann Cardiol Angeiol (Paris)** 1991 Jun;40(6):377-84 (23 ref.) **(Fre)**

[Heparin and the arterial wall] Manciet G, et al. **Ann Cardiol Angeiol (Paris)** 1991 Jun;40(6):385-9 (43 ref.) **(Fre)**

[Laser photosensitizing therapy in cardiology] Bobrov VA, et al. **Ter Arkh** 1990;62(9):145-7 (43 ref.) **(Rus)**

EPIDEMIOLOGY

HDL and atherosclerosis: an update. Gwynne JT.

Clin Cardiol 1991 Feb;14(2 Suppl 1):I17–24 (75 ref.)
Lp(a) as a marker for coronary heart disease risk. Scanu AM. **Clin Cardiol** 1991 Feb;14(2 Suppl 1):I35–9 (23 ref.)
International Commission for Protection Against Environmental Mutagens and Carcinogens. ICPEMC Working Paper 7/1/2. Shared risk factors for cancer and atherosclerosis—a review of the epidemiological evidence. Hansen ES. **Mutat Res** 1990 Nov;239(3):163–79 (158 ref.)
[Cholesterol and atherosclerosis in childhood] Muñoz Calvo MT, et al. **An Esp Pediatr** 1990 Sep;33(3):203–12 (58 ref.) **(Spa)**

ETIOLOGY

Lipoproteins and diet in the pathogenesis of atherosclerosis. Anderson JW, et al. **Adv Exp Med Biol** 1990;273:245–58 (79 ref.)
Cytotoxicity of remnants of triglyceride-rich lipoproteins: an atherogenic insult? Chung BH, et al. **Adv Exp Med Biol** 1991;285:341–51 (18 ref.)
Tobacco smoking and atherosclerosis: overview. Diana JN. **Adv Exp Med Biol** 1990;273:1–7 (9 ref.)
The central nervous system and atherogenesis: interrelationships. Gutstein WH, et al. **Adv Exp Med Biol** 1990;273:359–80 (81 ref.)
Smoking and the pathogenesis of atherosclerosis. McGill HC Jr. **Adv Exp Med Biol** 1990;273:9–16 (30 ref.)
The role of oxidized LDL in atherosclerosis. Witztum JL. **Adv Exp Med Biol** 1991;285:353–65 (45 ref.)
Atherogenesis, calcium and calcium antagonists. Henry PD. **Am J Cardiol** 1990 Dec 18;66(21):3I–6I (43 ref.)
Oxidation of lipoproteins and atherosclerosis. Luc G, et al. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):206S–209S (37 ref.)
Hypertension and vascular disease. Doyle AE. **Am J Hypertens** 1991 Feb;4(2 Pt 2):103S–106S (28 ref.)
Update on the pathogenesis of atherosclerosis. Wissler RW. **Am J Med** 1991 Jul 31;91(1B):3S–9S (29 ref.)
The involvement of lipoproteins in atherogenesis. Evolving concepts. Getz GS. **Ann N Y Acad Sci** 1990;598:17–28 (64 ref.)
Pathobiology of vascular cells in vitro in relation to human atherogenesis. Organ and species differences. Robertson AL Jr. **Ann N Y Acad Sci** 1990;598:200–16 (91 ref.)
Possible role of dietary proteins and amino acids in atherosclerosis. Sidransky H. **Ann N Y Acad Sci** 1990; 598:464–81 (162 ref.)
Prelesional modifications of the vessel wall in hyperlipidemic atherogenesis. Extracellular accumulation of modified and reassembled lipoproteins. Simionescu N, et al. **Ann N Y Acad Sci** 1990;598:1–16 (47 ref.)
Arterial metabolism of lipoproteins in relation to atherogenesis. Steinberg D. **Ann N Y Acad Sci** 1990; 598:125–35 (39 ref.)
Sustained arterial injury and progression of atherosclerosis. Sueishi K, et al. **Ann N Y Acad Sci** 1990;598:223–31 (22 ref.)
Atherogenic lipoproteins resulting from genetic defects of apolipoproteins B and E. Weisgraber KH, et al. **Ann N Y Acad Sci** 1990;598:37–48 (44 ref.)
Biochemistry of the arterial wall in developing atherosclerosis. Ylä-Herttuala S. **Ann N Y Acad Sci** 1991; 623:40–59 (84 ref.)
Lipid intake and atherosclerosis. Mancini M, et al. **Ann Nutr Metab** 1991;35 Suppl 1:103–8 (22 ref.)
The insulin-like growth factors: their putative role in atherogenesis. Ferns GA, et al. **Artery** 1991;18(4):197–225 (132 ref.)
Endothelium-derived relaxing factor (nitric oxide), lipoprotein oxidation and atherosclerosis. Bruckdorfer KR, et al. **Biochem Soc Trans** 1990 Dec;18(6):1061–3 (24 ref.)
Ceroid, macrophages and atherosclerosis. Mitchinson MJ, et al. **Biochem Soc Trans** 1990 Dec;18(6):1066–9 (54 ref.)
Inflammatory mediators in atherosclerosis. Parums DV. **Biochem Soc Trans** 1990 Dec;18(6):1069–72 (27 ref.)
Pathogenesis of atherosclerosis: state of the art. Haudenschild CC. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 5:993–1004 (57 ref.)
The pathogenesis of atherosclerosis: an overview. Schwartz CJ, et al. **Clin Cardiol** 1991 Feb;14(2 Suppl 1):I1–16 (135 ref.)
Atherogenesis in diabetic cholesterol-fed rabbits. Nordestgaard BG. **Dan Med Bull** 1991 Feb;38(1):1–8 (55 ref.)
Insulin resistance. A multifaceted syndrome responsible for NIDDM, obesity, hypertension, dyslipidemia, and atherosclerotic cardiovascular disease. DeFronzo RA, et al. **Diabetes Care** 1991 Mar;14(3):173–94 (307 ref.)
Oxidized low density lipoproteins: a role in the pathogenesis of atherosclerosis in diabetes? Lyons TJ. **Diabetic Med** 1991 Jun;8(5):411–9 (85 ref.)
Arterial wall hypoxia following thrombosis of the vasa vasorum is an initial lesion in atherosclerosis. Martin JF, et al. **Eur J Clin Invest** 1991 Jun;21(3):355–9 (41 ref.)
HDL metabolism and atherosclerosis. Assmann G, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 9:S15–20 (18 ref.)
Angiotoxicity and atherogenicity of cholesterol oxides. Peng SK, et al. **J Clin Lab Anal** 1991;5(2):144–52 (77 ref.)
Plasma lipids and lipoproteins in diabetes: lessons from population-based studies. Laakso M, et al. **J Diabetic Complications** 1990 Apr–Jun;4(2):39–41 (30 ref.)
Plasma lipoproteins and atherosclerosis. Tikkanen MJ. **J Diabetic Complications** 1990 Apr–Jun;4(2):35–8 (34 ref.)
Lipoproteins and atherogenesis. Current concepts. Steinberg D, et al. **JAMA** 1990 Dec 19;264(23):3047–52 (91 ref.)
The porcine model for the understanding of thrombogenesis and atherogenesis. Fuster V, et al. **Mayo Clin Proc** 1991 Aug;66(8):818–31 (64 ref.)
Glucose-induced or postprandial hyperinsulinemia in mild essential hypertension—an underestimated biochemical risk indicator? Singer P, et al. **Med Hypotheses** 1991 Feb; 34(2):157–64 (77 ref.)
Energy reactions in atherosclerosis: the implication of tricarboxylates in the pathogenesis of the disease. Tanner HA. **Med Hypotheses** 1991 Jun;35(2):165–71 (41 ref.)
Hyperlipidaemia and atherogenesis. Williams AD. **Med Hypotheses** 1990 Nov;33(3):213–7 (28 ref.)
Viruses: causal factors in atherosclerosis. Fabricant CG. **Microbiol Sci** 1986 Feb;3(2):50–2 (34 ref.)
An overview of atherosclerosis: a look to the future. Getz GS. **Toxicol Pathol** 1990;18(4 Pt 1):623–35 (113 ref.)
Macrophages, endothelial cells, and lipoprotein oxidation in the pathogenesis of atherosclerosis. Rosenfeld ME, et al. **Toxicol Pathol** 1990;18(4 Pt 1):560–71 (64 ref.)
Lp(a)—an atherogenic risk factor in human serum? Gries A, et al. **Z Med Lab Diagn** 1990;31(7):355–60 (36 ref.)
[Lipid peroxidation injury of endothelial cells and atherosclerosis] Zhou M, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1990 Aug; 18(4):248–50 (15 ref.) **(Chi)**
[Maurice Derot 1991 Award. Diabetogenic and atherogenic fat] Vague J. **Journ Annu Diabetol Hotel Dieu** 1991;:273–96 (135 ref.) **(Fre)**
[Lipoprotein-cell interactions in relation to the risk of atherosclerosis] Richter V. **Z Med Lab Diagn** 1990; 31(5):243–9 (30 ref.) **(Ger)**
[The significance of oxidized lipoproteins for the development of atherosclerosis. Antioxidants as a therapeutic alternative in atherosclerosis] Boberg KM. **Tidsskr Nor Laegeforen** 1991 Jun 10;111(15):1861–5 (33 ref.) (Eng. Abstr.) **(Nor)**
[The role of modified low density lipoproteins in the development of atherosclerosis] Cybulska B, et al. **Pol Tyg Lek** 1990 Jul 2–9;45(27–28):572–5 (38 ref.) **(Pol)**
[Lipoprotein (a): a strong risk factor in atherosclerosis] Maranhão RC, et al. **Arq Bras Cardiol** 1990 May; 54(5):337–42 (68 ref.) **(Por)**
[Lipoprotein (a) as a risk factor in the development of atherosclerosis] Liakishev AA, et al. **Kardiologiia** 1991 Feb; 31(2):71–5 (106 ref.) **(Rus)**
[The role of viral agents in the induction of atherosclerosis from the point of view of the etiopathogenetic aspects of slow infections and the association of atherosclerosis with viruses] Votiakov VI, et al. **Vestn Akad Med Nauk SSSR** 1991;(5):59–64 (59 ref.) **(Rus)**
[Pathophysiology of atherosclerosis. II. Etiopathogenic mechanisms and risk factors] Reiner Z, et al. **Lijec Vjesn** 1990 May–Jun;112(5–6):175–82 (121 ref.) (Eng. Abstr.) **(Scr)**
[Lipoprotein-mediated functional changes in the fibrinolytic system in the genesis of atherosclerosis] García Frade LJ, et al. **Sangre (Barc)** 1991 Feb;36(1):25–8 (33 ref.) **(Spa)**
[Interaction between the arterial wall and thrombocytes in smokers] Lassila R, et al. **Nord Med** 1991;106(1):8–10 (15 ref.) (Eng. Abstr.) **(Swe)**

GENETICS

Genetics of atherosclerosis. Sing CF, et al. **Annu Rev Genet** 1990;24:171–87 (104 ref.)
Steenbock symposium on molecular biology of atherosclerosis. Attie AD. **Arterioscler Thromb** 1991 Jan–Feb;11(1):204–9 (0 ref.)
Genetic susceptibility to atherosclerosis. Chamberlain JC, et al. **Br Med Bull** 1990 Oct;46(4):917–40 (63 ref.)
The Apo(a) gene: structure/function relationships and the possible link with thrombotic atheromatous disease. Rees A, et al. **Br Med Bull** 1990 Oct;46(4):873–90 (62 ref.)
Genetics of common diseases of adulthood. Implications for prenatal counseling and diagnosis. Lubin MB, et al. **Clin Perinatol** 1990 Dec;17(4):889–910 (63 ref.)
Genetic defects in lipoprotein metabolism. Elevation of atherogenic lipoproteins caused by impaired catabolism. Mahley RW, et al. **JAMA** 1991 Jan 2;265(1):78–83 (49 ref.)
[Epidemiology and molecular genetics of atherosclerosis] Cambien F. **Journ Annu Diabetol Hotel Dieu** 1991;:19–24 (9 ref.) **(Fre)**
[The genetic and pathogenetic mechanisms of atherosclerosis] Davidenkova EF, et al. **Klin Med (Mosk)** 1990 Oct; 68(10):23–31 (50 ref.) **(Rus)**

IMMUNOLOGY

Immune mechanisms in the pathogenesis of atherosclerosis. Lopes-Virella MF, et al. **Adv Exp Med Biol** 1991; 285:383–92 (85 ref.)
Antibodies to cholesterol, cholesterol conjugates and liposomes: implications for atherosclerosis and autoimmunity. Alving CR, et al. **Crit Rev Immunol** 1991; 10(5):441–53 (89 ref.)
Role of circulating immune complexes and platelet aggregation in the development of experimentally induced atherosclerosis in monkeys with normal intact vas deferens and following vasectomy. Sharda N, et al. **Indian Heart J** 1991 Jan–Feb;43(1):35–8 (29 ref.)
Involvement of the immune system in human atherogenesis: current knowledge and unanswered questions. Libby P, et al. **Lab Invest** 1991 Jan;64(1):5–15 (136 ref.)
[Involvement of the immune system in atherosclerosis] Muscari A, et al. **Cardiologia** 1990 Dec;35(12):977–82 (43 ref.) **(Ita)**
[Immune and inflammatory aspects of atherosclerosis] Hansson GK. **G Ital Cardiol** 1990 Nov;20(11):1059–61 (24 ref.) **(Ita)**

METABOLISM

Proteoglycans, lipoproteins, and atherosclerosis. Srinivasan SR, et al. **Adv Exp Med Biol** 1991;285:373–81 (16 ref.)
Regression of atheroma and putative role of CETP in cholesteryl ester removal. Stein Y, et al. **Adv Exp Med Biol** 1991;285:117–22 (12 ref.)
The phenotypes of smooth muscle expressed in human atheroma. Campbell GR, et al. **Ann N Y Acad Sci** 1990; 598:143–58 (81 ref.)
Vascular signal transduction and atherosclerosis. Smirnov VN, et al. **Ann N Y Acad Sci** 1990;598:167–81 (46 ref.)
Transfer of lipoproteins from plasma to the cell populations of the normal and atherosclerotic arterial tissue. Bondjers G, et al. **Eur Heart J** 1990 Aug;11 Suppl E:158–63 (27 ref.)
Oxidative modification of LDL: comparison between cell-mediated and copper-mediated modification. Parthasarathy S, et al. **Eur Heart J** 1990 Aug;11 Suppl E:83–7 (87 ref.)
Lipoproteins in normal and atherosclerotic aorta. Ylä-Herttuala S, et al. **Eur Heart J** 1990 Aug;11 Suppl E:88–99 (52 ref.)
Role of oxidatively modified LDL in atherosclerosis. Steinbrecher UP, et al. **Free Radic Biol Med** 1990; 9(2):155–68 (117 ref.)
Prostacyclin and vascular function: implications for hypertension and atherosclerosis. Dusting GJ, et al. **Pharmacol Ther** 1990;48(3):323–44 (259 ref.)
Apolipoproteins and metabolism in atherosclerosis. Gotto AM Jr. **Trans Am Clin Climatol Assoc** 1989;101:46–57; discussion 57–8 (19 ref.)
[Lipoproteins, elastases and atherogenesis] Hornebeck W. **Pathol Biol (Paris)** 1990 Dec;38(10):1010–4 (38 ref.) (Eng. Abstr.) **(Fre)**
[Insulin and atherogenesis] Sanz Ortega F, et al. **An Med Interna** 1990 Apr;7(4):212–4 (35 ref.) **(Spa)**
[Atherosclerosis—the molecular background] Nilsson J. **Lakartidningen** 1991 Jan 16;88(3):127–9 (14 ref.) (Eng. Abstr.) **(Swe)**

MICROBIOLOGY

The possible role of cytomegalovirus in atherogenesis. Bruggeman CA, et al. **Prog Med Virol** 1991;38:1–26 (123 ref.)

PATHOLOGY

Platelets in the pathogenesis of atherosclerosis. Siess W. **Adv Exp Med Biol** 1990;273:119–27 (40 ref.)
Ultrastructural events associated with endothelial cell changes during the initiation and early progression of atherosclerosis. Taylor RG, et al. **Adv Exp Med Biol** 1990; 273:89–93 (23 ref.)
Similarities between glomerular sclerosis and atherosclerosis in human renal biopsy specimens: a role for lipoprotein glomerulopathy. Avram MM. **Am J Med** 1989 Nov; 87(5N):39N–41N (23 ref.)
Cellular models of atherosclerosis in the young. Fowler SD, et al. **Ann N Y Acad Sci** 1991;623:60–9 (41 ref.)
Cellular interactions, growth factors, and smooth muscle proliferation in atherogenesis. Ross R, et al. **Ann N Y Acad Sci** 1990;598:102–12 (34 ref.)
Effect of fish oil on atherosclerosis and lipoprotein metabolism. Parks JS, et al. **Atherosclerosis** 1990 Oct; 84(2–3):83–94 (44 ref.)
Cell culture systems to study progression and inhibition of intimal proliferations [editorial] Betz E. **Basic Res Cardiol** 1991 Mar–Apr;86(2):79–86 (64 ref.)
Pathology of atherosclerosis. Woolf N. **Br Med Bull** 1990 Oct;46(4):960–85 (110 ref.)
Atherosclerosis: cellular aspects and potential interventions. Fisher M. **Cerebrovasc Brain Metab Rev** 1991 Summer; 3(2):114–33 (87 ref.)
The macrophage as an initiator of atherosclerosis. Campbell JH, et al. **Clin Exp Pharmacol Physiol** 1991 Feb;18(2):81–4 (11 ref.)
Platelet-mediated foam cell formation in atherosclerosis. Curtiss LK, et al. **Clin Invest Med** 1990 Aug;13(4):189–95 (18 ref.)
Extracellular lipid deposition in atherosclerosis. Guyton JR, et al. **Eur Heart J** 1990 Aug;11 Suppl E:20–8 (15 ref.)
Mapping of proteoglycans in atherosclerotic lesions. Völker W, et al. **Eur Heart J** 1990 Aug;11 Suppl E:29–40 (50 ref.)
A study of elastic tissue and actinic radiation in "aging," temporal arteritis, polymyalgia rheumatica, and atherosclerosis. The actinic storm in the modern world. O'Brien JP, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 1):765–76 (108 ref.)
Atherosclerosis and molecular pathology: mechanisms of cholesteryl ester accumulation in foam cells and extracellular space of atherosclerotic lesions. Takano T, et al. **J Pharmacobiodyn** 1990 Jul;13(7):385–413 (142 ref.)

Analogous pathobiologic mechanisms in glomerulosclerosis and atherosclerosis. Diamond JR. **Kidney Int Suppl** 1991 Apr;31:S29–34 (39 ref.)
Reduction of serum cholesterol levels and regression of atherosclerosis. Stehbens WE. **Pathology** 1991 Jan; 23(1):45–53 (127 ref.)
Endothelial alterations in hypercholesterolaemia and atherosclerosis. Lefer AM, et al. **Pharmacol Res** 1991 Jan; 23(1):1–12 (62 ref.)
Fluorescence imaging and point measurements of tissue: applications to the demarcation of malignant tumors and atherosclerotic lesions from normal tissue.
Andersson–Engels S, et al. **Photochem Photobiol** 1991 Jun; 53(6):807–14 (52 ref.)
Atherosclerosis starts in childhood—fact, myth or insinuation? Laron Z. **Z Gerontol** 1991 Mar–Apr;24(2):70–2 (29 ref.)
[Atherosclerotic lesions in the young] Stary HC.
G Ital Cardiol 1990 Nov;20(11):1056–8 (3 ref.) **(Ita)**

PHYSIOPATHOLOGY

Macrophage influence on smooth muscle phenotype in atherogenesis. Campbell GR, et al. **Adv Exp Med Biol** 1990; 273:147–59 (62 ref.)
Fibrin and the vessel wall. Kaplan KL, et al.
Adv Exp Med Biol 1990;281:313–8 (20 ref.)
Antihypertensive therapy and atherosclerosis. Horan MJ.
Am J Med Sci 1991 Jun;301(6):402–5 (31 ref.)
The natural history of atherosclerosis in childhood. Strong JP. **Ann N Y Acad Sci** 1991;623:9–15 (20 ref.)
Cellular processes in atherogenesis: potential targets of Ca2+ channel blockers. Schmitz G, et al. **Atherosclerosis** 1991 Jun;88(2–3):109–32 (154 ref.)
Interactions of lipoproteins with vascular intima in atherosclerosis. Smith EB. **Biochem Soc Trans** 1991 Feb; 19(1):235–41 (38 ref.)
Exploration of the atherosclerotic plaque. Ip JH, et al.
Biomed Pharmacother 1990;44(7):343–52 (66 ref.)
Atherosclerosis and the lung. Langleben D.
Can J Cardiol 1990 Sep;6(7):VI (10 ref.)
Importance of experimental models for the development of clinical trials on thromboatherosclerosis. Fuster V, et al. **Circulation** 1991 Jun;83(6 Suppl):IV15–25 (91 ref.)
Buerger's disease and inflammatory aspects of atherosclerosis. Lie JT. **Curr Opin Rheumatol** 1990 Feb;2(1):76–80 (12 ref.)
Diabetes and arterial disease. Gries FA, et al.
Diabetic Med 1991;8 Spec No:S82–7 (76 ref.)
Interaction of lipoprotein(a) with fibronectin and its potential role in atherogenesis. Ehnholm C, et al. **Eur Heart J** 1990 Aug;11 Suppl E:190–5 (43 ref.)
Malondialdehyde, modified lipoproteins, and atherosclerosis. Haberland ME, et al. **Eur Heart J** 1990 Aug;11 Suppl E:100–4 (38 ref.)
Macrophage uptake of cholesterol-containing particles derived from LDL and isolated from atherosclerotic lesions. Hoff HF, et al. **Eur Heart J** 1990 Aug;11 Suppl E:105–15 (27 ref.)
Atheroma formation: defective control in the intimal round-trip of cholesterol. Kovanen PT. **Eur Heart J** 1990 Aug;11 Suppl E:238–46 (64 ref.)
Macrophages and ceroid in human atherosclerosis. Mitchinson MJ, et al. **Eur Heart J** 1990 Aug;11 Suppl E:116–21 (43 ref.)
Arterial wall proteoglycans—biological properties related to pathogenesis of atherosclerosis. Radhakrishnamurthy B, et al. **Eur Heart J** 1990 Aug;11 Suppl E:148–57 (19 ref.)
HDL receptors and cholesterol efflux from parenchymal cells. Slotte JP. **Eur Heart J** 1990 Aug;11 Suppl E:212–7 (39 ref.)
Hemodynamic determinants of vascular changes in hypertension and atherosclerosis. Heistad DD, et al.
Hypertension 1991 Apr;17(4 Suppl):III7–11 (30 ref.)
Calcium channel blockers and atherosclerosis. Henry PD.
J Cardiovasc Pharmacol 1990;16 Suppl 1:S12–5 (34 ref.)
[Role of macrophages in atherogenesis (editorial)] Rouis M, et al. **Presse Med** 1991 Mar 9;20(9):401–3 (10 ref.) **(Fre)**
[Intercellular function of eicosanoids] Goerig M.
Verh Dtsch Ges Inn Med 1990;96:683–5 (8 ref.) **(Ger)**
[Hemodynamic factors and tissue reactivity in atherogenesis in humans] Glagov S, et al. **G Ital Cardiol** 1990 Nov; 20(11):1070–4 (18 ref.) **(Ita)**
[Regional differences in reactivity of the arterial wall in atherogenesis: various examples of clinical interest] Weber G, et al. **G Ital Cardiol** 1990 Nov;20(11):1075–9 (18 ref.) **(Ita)**

PREVENTION & CONTROL

Vascular protection from atherosclerosis: potential of calcium antagonists. Parmley WW. **Am J Cardiol** 1990 Dec 18; 66(21):16I–22I (45 ref.)
Calcium channel blockers and the prevention of atherosclerosis. Gotto AM Jr. **Am J Hypertens** 1990 Dec; 3(12 Pt 2):342S–346S (26 ref.)
Alcohol and atherosclerosis. Steinberg D, et al.
Ann Intern Med 1991 Jun 1;114(11):967–76 (78 ref.)
Should there be intervention to alter serum lipids in children? Mauer AM. **Annu Rev Nutr** 1991;11:375–91 (96 ref.)
Antiatherogenic effects of calcium–channel blockers: possible mechanisms of action. Henry PD.
Cardiovasc Drugs Ther 1990 Aug;4 Suppl 5:1015–20 (54 ref.)
Prevention and regression of atherosclerosis with drug therapy. Superko HR. **Clin Cardiol** 1991 Feb;14(2 Suppl 1):I40–7 (48 ref.)
Management of hyperlipidemia: goals for the prevention of atherosclerosis. Illingworth DR. **Clin Invest Med** 1990 Aug; 13(4):211–8 (39 ref.)
The Brisighella Heart Study: an interim report. Descovich GC. **Eur Heart J** 1990 Dec;11 Suppl H:32–7 (15 ref.)
A review of calcium antagonists and atherosclerosis. Keogh AM, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 6:S28–35 (44 ref.)
Antiatherosclerotic and vasculoprotective effects of calcium antagonists: clinical implications. Ram CV.
J Hum Hypertens 1990 Dec;4 Suppl 5:35–9 (17 ref.)
Arrest and reversal of atherosclerosis with parenteral nutrition. Dudrick SJ, et al. **Surg Clin North Am** 1991 Jun; 71(3):665–75 (38 ref.)
Involvement of fish oils and growth factors in atherogenesis. Fox PL, et al. **World Rev Nutr Diet** 1991;66:255–67 (42 ref.)
Dietary supplementation with omega 3 fatty acids in insulin-dependent diabetes mellitus. Jensen T.
World Rev Nutr Diet 1991;66:417–24 (43 ref.)
Fish oil and the platelet–blood vessel wall interaction. Vanhoutte PM, et al. **World Rev Nutr Diet** 1991;66:233–44 (41 ref.)
Cardiovascular effects of omega 3 fatty acids. Atherosclerosis risk factor modification by omega 3 fatty acids. Weber PC, et al. **World Rev Nutr Diet** 1991;66:218–32 (57 ref.)
[Prevention of atherosclerosis in light of opinions about its etiology] Szostak WB, et al. **Wiad Lek** 1990 Aug 1–15; 43(15–16):782–7 (33 ref.) **(Pol)**
[The prospects for using fish oil in preventing and treating dyslipoproteinemia and atherosclerosis] Kobaladze AS, et al. **Ter Arkh** 1990;62(11):151–4 (74 ref.) **(Rus)**
[Improving home auto-control in diabetic children: reducing atherogenic risk] Bayes García R, et al. **An Esp Pediatr** 1991 Mar;34(3):194–202 (56 ref.) (Eng. Abstr.) **(Spa)**
[New studies: lipid regulation prevents development of atherosclerosis] Olsson AG. **Lakartidningen** 1991 Jun 19; 88(25):2289–92 (15 ref.) **(Swe)**

RADIOGRAPHY

[Can atherosclerotic lesions regress? Angiographic demonstrations in humans] Blankenhorn DH.
G Ital Cardiol 1990 Nov;20(11):1085–7 (7 ref.) **(Ita)**

RADIONUCLIDE IMAGING

Nuclear medicine and atherosclerosis. Sinzinger H, et al.
Eur J Nucl Med 1990;17(3–4):160–78 (181 ref.)

SURGERY

Carotid endarterectomy. Handelsman H.
Health Technol Assess Rep 1990;(5):1–15 (130 ref.)
[Laser angioplasty and the treatment of atherosclerotic vascular disorders] Sprangers RL.
Ned Tijdschr Geneeskd 1991 Jul 27;135(30):1345–50 (37 ref.) **(Dut)**

THERAPY

Atherosclerosis: inhibition of regression as therapeutic possibilities. Davies MJ, et al. **Br Heart J** 1991 Jun; 65(6):302–10 (88 ref.)
Regression of atherosclerosis. Leiter LA.
Can Med Assoc J 1991 Feb 15;144(4):459 (5 ref.)
Advances in the treatment of atherosclerosis. Popa C, et al. **Rom J Neurol Psychiatry** 1991 Jan–Jun;29(1–2):71–9 (70 ref.)
[Treatment of atherosclerosis. New percutaneous intraluminal techniques] Lablanche JM. **Presse Med** 1990 Oct 6;19(32):1497–502 (44 ref.) (Eng. Abstr.) **(Fre)**
[Can atherosclerotic lesions regress? Angiographic demonstrations in humans] Blankenhorn DH.
G Ital Cardiol 1990 Nov;20(11):1085–7 (7 ref.) **(Ita)**
[Anatomical and biochemical evidence that atherosclerotic plaques can regress. Results of studies in non-human animal models] Wissler RW, et al. **G Ital Cardiol** 1990 Nov; 20(11):1080–4 (31 ref.) **(Ita)**

ULTRASONOGRAPHY

Non-invasive evaluation of iliac and carotid atherosclerosis in familial hypercholesterolemia. Rubba P, et al.
Beitr Infusionther 1988;23:33–8 (19 ref.)

ATHEROSCLEROSIS, CORONARY see **CORONARY ARTERIOSCLEROSIS**

ATHETOSIS

CHEMICALLY INDUCED

[Choreoathetosis induced by diphenylhydantoin in and infant with CHARGE syndrome] Martínez Orgado J, et al.
An Esp Pediatr 1990 Oct;33(4):384–6 (18 ref.) **(Spa)**

DIAGNOSIS

[Paroxysmal choreoathetosis] Fegers S.
Fortschr Neurol Psychiatr 1991 Jun;59(6):234–8 (46 ref.) (Eng. Abstr.) **(Ger)**

ATHLETIC INJURIES

Arterial abnormalities of the hand in athletes. Nuber GW, et al. **Am J Sports Med** 1990 Sep–Oct;18(5):520–3 (18 ref.)
Sports traumatology today. A review of common current sports injury problems. Renström P. **Ann Chir Gynaecol** 1991;80(2):81–93 (71 ref.)
Sports strapping and bandaging. Gray SD.
Aust Fam Physician 1991 Mar;20(3):273, 276–82 (0 ref.)
Neurovascular injuries in the hands of athletes. Aulicino PL.
Hand Clin 1990 Aug;6(3):455–66 (75 ref.)
Sport-related fractures and dislocations in the hand. Hankin FM, et al. **Hand Clin** 1990 Aug;6(3):429–53 (82 ref.)
Common disorders of the elbow in athletes and musicians. Hotchkiss RN. **Hand Clin** 1990 Aug;6(3):507–15 (60 ref.)
Sports injuries. Stableforth PG. **Injury** 1990 Sep;21(5):311–3 (25 ref.)
Meniscal injuries. Folcik MA. **Nurs Clin North Am** 1991 Mar; 26(1):181–98 (9 ref.)
Common spinal injuries in athletes. Hodge B.
Nurs Clin North Am 1991 Mar;26(1):211–21 (18 ref.)
Stress fractures in athletes. Smrcina CM.
Nurs Clin North Am 1991 Mar;26(1):159–66 (30 ref.)
Anterior cruciate ligament injuries. Evaluation, arthroscopic reconstruction, and rehabilitation. Whittington CF, et al. **Nurs Clin North Am** 1991 Mar;26(1):149–58 (34 ref.)
Triceps brachii injuries. Holleb PD, et al. **Sports Med** 1990 Oct;10(4):273–6 (19 ref.)
Nautical accidents. Unique injuries. Gomez GA, et al.
Surg Clin North Am 1991 Apr;71(2):419–32 (19 ref.)
[Patellofemoral pain. Diagnosis and treatment] Engebretsen L, et al. **Tidsskr Nor Laegeforen** 1991 Jun 20; 111(16):1949–52 (67 ref.) (Eng. Abstr.) **(Nor)**

COMPLICATIONS

Arthritis and athletics. Dorr LD. **Clin Sports Med** 1991 Apr; 10(2):343–57 (12 ref.)

DIAGNOSIS

Suprascapular nerve lesions at the spinoglenoid notch: report of three cases and review of the literature. Liveson JA, et al. **J Neurol Neurosurg Psychiatry** 1991 Mar;54(3):241–3 (51 ref.)
Diagnosis and treatment of shoulder injuries in the athlete. Hooke NC. **Nurs Clin North Am** 1991 Mar;26(1):199–210 (16 ref.)
Diagnosis and rehabilitation of the shoulder impingement syndrome in the overhand and throwing athlete. Scheib JS. **Rheum Dis Clin North Am** 1990 Nov;16(4):971–88 (31 ref.)

EPIDEMIOLOGY

The little athlete. Larkins PA. **Aust Fam Physician** 1991 Jul; 20(7):973–4, 976–8 (0 ref.)
Epidemiology of hand and wrist injuries in sports. Amadio PC. **Hand Clin** 1990 Aug;6(3):379–81 (24 ref.)

ETIOLOGY

Arterial abnormalities of the shoulder in athletes. Nuber GW, et al. **Am J Sports Med** 1990 Sep–Oct;18(5):514–9 (12 ref.)
Triathlon injuries. The swim–bike–run how–to for medical practitioners. Fitzpatrick MJ. **Aust Fam Physician** 1991 Jul; 20(7):953–8 (6 ref.)
Sports-medicine considerations of lesser metatarsalgia. McNerney JE. **Clin Podiatr Med Surg** 1990 Oct;7(4):645–87 (41 ref.)
A review of parachuting injuries. Davison DJ. **Injury** 1990 Sep;21(5):314–6 (11 ref.)
The foot and footwear. Maier T, et al.
Nurs Clin North Am 1991 Mar;26(1):223–31 (5 ref.)

PREVENTION & CONTROL

Prevention of sports-related eye injury. Stock JG, et al.
Am Fam Physician 1991 Aug;44(2):515–20 (18 ref.)
On the potential of various approaches in load analysis to reduce the frequency of sports injuries. Nigg BM, et al.
J Biomech 1990;23 Suppl 1:3–12 (80 ref.)
Prophylactic ankle bracing. Miller EA, et al.
Pediatr Clin North Am 1990 Oct;37(5):1175–85 (20 ref.)
[Sport traumatic lesions and their prophylaxis] Angulo Gómez de Cadiñanos S, et al. **An Esp Pediatr** 1990 Nov; 33 Suppl 43:124–8 (13 ref.) **(Spa)**

REHABILITATION

The effect of bracing on the collateral ligaments of the knee. Baker BE. **Clin Sports Med** 1990 Oct;9(4):843–51 (44 ref.)
Functional analysis of anterior cruciate ligament braces. Branch TP, et al. **Clin Sports Med** 1990 Oct;9(4):771–97 (28 ref.)
Keeping fit when injured. Croce P, et al.
Clin Sports Med 1991 Jan;10(1):181–95 (21 ref.)
Upper-extremity rehabilitation: conditioning and orthotics for the athlete and performing artist. Prokop LL.
Hand Clin 1990 Aug;6(3):517–24 (39 ref.)
Rehabilitation of the injured athlete. Thompson TL, et al.
Pediatrician 1990;17(4):262–6 (18 ref.)

SURGERY

Meniscal trauma (of the knee) and surgical intervention. A

review of literature. Kelley MJ Jr.
J Sports Med Phys Fitness 1990 Sep;30(3):297–306 (29 ref.)
Recent developments in the treatment and repair of anterior cruciate ligament injuries in the athlete. Cross MJ, et al. **Sports Med** 1990 Dec;10(6):349–54 (18 ref.)
The development of anterior ligament prostheses. Implications for treatment of sports people. McFarland EG, et al. **Sports Med** 1990 Dec;10(6):405–13 (52 ref.)
[Laxity in the metacarpophalangeal joint of the thumb] Gottlieb J, et al. **Nord Med** 1991;106(1):16–8 (15 ref.) (Eng. Abstr.) **(Dan)**

THERAPY

Quadriceps contusions. West Point update. Ryan JB, et al. **Am J Sports Med** 1991 May–Jun;19(3):299–304 (22 ref.)
The difficult ankle. Brukner P, et al. **Aust Fam Physician** 1991 Jul;20(7):919–21, 924–30 (26 ref.)
Lumbar pain in fast bowlers. Hardcastle P.
Aust Fam Physician 1991 Jul;20(7):943, 946–51 (11 ref.)
Diagnosis and treatment of shoulder injuries in the athlete. Hooke NC. **Nurs Clin North Am** 1991 Mar;26(1):199–210 (16 ref.)
Common ankle injuries in the athlete. Ruda SC.
Nurs Clin North Am 1991 Mar;26(1):167–80 (12 ref.)
Great toe sesamoid injuries in the athlete. Dietzen CJ.
Orthop Rev 1990 Nov;19(11):966–72 (8 ref.)
Use of telethermography in the management of sports injuries. Garagiola U, et al. **Sports Med** 1990 Oct; 10(4):267–72 (15 ref.)

ATHLETICS see **SPORTS**

ATHYMIC MICE see **MICE, NUDE**

ATHYMIC RATS see **RATS, NUDE**

ATLANTO-AXIAL JOINT

ABNORMALITIES

Atlantoaxial anomalies with particular emphasis on os odontoideum. Vickers ED. **J Manipulative Physiol Ther** 1990 Oct;13(8):471–6 (41 ref.)

INJURIES

Traumatic atlantoaxial dislocation without fracture of the odontoid. Wong DA, et al. **Spine** 1991 May;16(5):587–9 (5 ref.)

SURGERY

Anterior approaches to the craniocervical junction. Menezes AH. **Clin Neurosurg** 1991;37:756–69 (29 ref.)

ATLANTO-OCCIPITAL JOINT

INJURIES

Stabilization of traumatic atlanto–occipital dislocation. Case report. Belzberg AJ, et al. **J Neurosurg** 1991 Sep; 75(3):478–82 (42 ref.)
Carotid and vertebral artery injury in survivors of atlanto–occipital dislocation: case reports and literature review. Lee C, et al. **J Trauma** 1991 Mar;31(3):401–7 (35 ref.)
Traumatic atlanto–occipital dislocation in children: review and report of five cases. Cohen A, et al.
Pediatr Emerg Care 1991 Feb;7(1):24–7 (16 ref.)

RADIOGRAPHY

Occipitalization of the atlas. Harcourt BT, et al.
J Manipulative Physiol Ther 1990 Nov–Dec;13(9):532–8 (21 ref.)

SURGERY

Stabilization of traumatic atlanto–occipital dislocation. Case report. Belzberg AJ, et al. **J Neurosurg** 1991 Sep; 75(3):478–82 (42 ref.)

ATLAS

Occipitalization of the atlas. Harcourt BT, et al.
J Manipulative Physiol Ther 1990 Nov–Dec;13(9):532–8 (21 ref.)

ABNORMALITIES

[Congenital malformations of the atlas: classification and clinical significance] Villas C, et al.
Rev Med Univ Navarra 1990 Jul–Sep;34(3):157–62 (31 ref.) (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

[Persistent primitive proatlantal intersegmental artery (PPPIA) presenting with cerebral infarction] Ishiguro M, et al. **No Shinkei Geka** 1991 Jun;19(6):559–63 (23 ref.) (Eng. Abstr.) **(Jpn)**

ATLOIDO-OCCIPITAL JOINT see **ATLANTO-OCCIPITAL JOINT**

ATLV see **HTLV-I**

ATLV ANTIBODIES see **HTLV-I ANTIBODIES**

ATLV-ASSOCIATED LEUKEMIA-LYMPHOMA see **LEUKEMIA-LYMPHOMA, T-CELL, ACUTE, HTLV-I-ASSOCIATED**

ATMOSPHERE

Ozone holes and biological consequences. Moan J.
J Photochem Photobiol B 1991 May;9(2):244–7 (18 ref.)
Potential impacts on health of atmospheric change. Haines A, et al. **J Public Health Med** 1991 May;13(2):69–80 (70 ref.)
[Risk evaluation of stratospheric ozone depletion resulting from chlorofluorocarbons (CFC) on human health] Ando M. **Nippon Eiseigaku Zasshi** 1990 Dec;45(5):947–53 (20 ref.) (Eng. Abstr.) **(Jpn)**

ATMOSPHERE EXPOSURE CHAMBERS

[Prevention of fire in the hyperbaric chamber] De Salvo R, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):591–9 (11 ref.) **(Ita)**
[Safety of treatment in the hyperbaric chamber] Merola L. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):601–7 (10 ref.) **(Ita)**
[Safety in the multiplace chamber] Rusca F, et al.
Minerva Anestesiol 1990 Jul–Aug;56(7–8):587–9 (6 ref.) **(Ita)**

ATMOSPHERIC PRESSURE

see related
ANOXIA
BAROTRAUMA
DECOMPRESSION SICKNESS
HYPERBARIC OXYGENATION
Work under extreme conditions. Luczak H. **Ergonomics** 1991 Jun;34(6):687–720 (44 ref.)
[The current concepts of the adaptation of the human body to hyperbarism and its readaptation after decompression] Guliar SA, et al. **Fiziol Zh** 1990 Jul–Aug;36(4):105–14 (63 ref.) (Eng. Abstr.) **(Rus)**

ATOMIC ENERGY see **NUCLEAR ENERGY**

ATOMIC MEDICINE see **NUCLEAR MEDICINE**

ATOMIC WARFARE see **NUCLEAR WARFARE**

ATOMIZERS see **NEBULIZERS AND VAPORIZERS**

ATOPIC HYPERSENSITIVITY see **HYPERSENSITIVITY, IMMEDIATE**

ATP see **ADENOSINE TRIPHOSPHATE**

ATP RECEPTORS see **RECEPTORS, PURINERGIC**

ATPASE see **ADENOSINE TRIPHOSPHATASE**

ATPASE, ACTOMYOSIN see **ADENOSINE TRIPHOSPHATASE, MYOSIN**

ATPASE, CALCIUM see **ADENOSINE TRIPHOSPHATASE, CALCIUM**

ATPASE F(0) see **H(+)-TRANSPORTING ATPASE**

ATPASE F1 see **H(+)-TRANSPORTING ATPASE**

ATPASE, MAGNESIUM see **ADENOSINE TRIPHOSPHATASE, MAGNESIUM**

ATPASE, MYOSIN see **ADENOSINE TRIPHOSPHATASE, MYOSIN**

ATPASE, SODIUM, POTASSIUM see **ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM**

ATRACURIUM

THERAPEUTIC USE

[Use of atracurium for the prevention of fasciculations and succinylcholine myalgia in athletes undergoing orthopedic surgery] Pagani I, et al. **Minerva Anestesiol** 1990 Nov; 56(11):1413–7 (26 ref.) (Eng. Abstr.) **(Ita)**

ATRACURIUM BESYLATE see **ATRACURIUM**

ATRACURIUM DIBESYLATE see **ATRACURIUM**

ATRESIA, FOLLICULAR see **FOLLICULAR ATRESIA**

ATRIAL ECTOPIC TACHYCARDIA see **TACHYCARDIA, ECTOPIC ATRIAL**

ATRIAL FIBRILLATION

COMPLICATIONS

Nonrheumatic atrial fibrillation. Risk of stroke and role of antithrombotic therapy. Cairns JA, et al. **Circulation** 1991 Aug;84(2):469–81 (78 ref.)
[Atrial fibrillation––thromboembolism and prevention] Petersen P, et al. **Ugeskr Laeger** 1991 Jul 22;153(30):2105–7 (30 ref.) (Eng. Abstr.) **(Dan)**

DRUG THERAPY

Digoxin for atrial fibrillation: a drug whose time has gone? [see comments] Falk RH, et al. **Ann Intern Med** 1991 Apr 1;114(7):573–5 (22 ref.) Comment in: Ann Intern Med 1991 Jun 1;114(11):993.
Seminars in thrombosis, thrombolysis, and vascular biology. Part 2: Coagulation and thrombosis. Becker RC.
Cardiology 1991;78(3):257–66 (60 ref.)
The pharmacologic treatment of atrial fibrillation. Bolognesi R. **Cardiovasc Drugs Ther** 1991 Jun;5(3):617–28 (162 ref.)
Atrial fibrillation in the elderly: management update. Jahnigen DW. **Geriatrics** 1990 Nov;45(11):26–9 (13 ref.)

ETIOLOGY

[Idiopathic atrial fibrillation and occult thyrotoxicosis] Giladi M, et al. **Harefuah** 1990 Jul;119(1–2):25–7 (40 ref.) **(Heb)**
[Arrhythmia in acute myocardial ischemia] Tomaszewski R. **Wiad Lek** 1990 Oct 1–15;43(19–20):959–63 (28 ref.) **(Pol)**

PHYSIOPATHOLOGY

Modifications of heart rate variability preceding the onset of tachyarrhythmias. Coumel P. **Cardiologia** 1990 Jan;35(1 Suppl):7–12 (24 ref.)
Atrial fibrillation: the questions and controversies. Kalman JM, et al. **P N G Med J** 1990 Dec;33(4):289–93 (39 ref.)

SURGERY

Successful surgical treatment of atrial fibrillation. Review and clinical update [see comments] Cox JL, et al.
JAMA 1991 Oct 9;266(14):1976–80 (17 ref.) Comment in: JAMA 1991 Oct 9;266(14):1990–2.
Surgery for atrial fibrillation. Cox JL, et al.
Semin Thorac Cardiovasc Surg 1989 Jul;1(1):67–73 (25 ref.)

THERAPY

Atrial fibrillation. The therapeutic options. Lewis RV.
Drugs 1990 Dec;40(6):841–53 (53 ref.)

ATRIAL FLUTTER

PHYSIOPATHOLOGY

[Circus movement in experimental cardiac arrhythmia] Pastelín G. **Arch Inst Cardiol Mex** 1990 Sep–Oct; 60(5):505–9 (24 ref.) **(Spa)**

THERAPY

[Therapeutic value of esophageal stimulation. Factors influencing the results in flutter and atrial tachysystole] Chabert JP, et al. **Ann Cardiol Angeiol (Paris)** 1991 Feb; 40(2):69–74 (16 ref.) (Eng. Abstr.) **(Fre)**

ATRIAL NATRIURETIC FACTOR see **NATRIURETIC PEPTIDES, ATRIAL**

ATRIAL NATRIURETIC PEPTIDES see **NATRIURETIC PEPTIDES, ATRIAL**

ATRIOPEPTINS see **NATRIURETIC PEPTIDES, ATRIAL**

ATRIOVENTRICULAR BLOCK see **HEART BLOCK**

ATRIOVENTRICULAR NODAL REENTRY TACHYCARDIA see **TACHYCARDIA, ATRIOVENTRICULAR NODAL REENTRY**

ATRIOVENTRICULAR NODE

PHYSIOLOGY

Arrhythmias and clinical electrophysiology of the transplanted human heart. Liem LB, et al.
Semin Thorac Cardiovasc Surg 1990 Jul;2(3):271–8 (37 ref.)

ATROCITIES see **VIOLENCE**

ATROPHY

PHYSIOPATHOLOGY

In vivo measurements of protein turnover during muscle growth and atrophy. Samarel AM. **FASEB J** 1991 Apr; 5(7):2020–8 (44 ref.)

ATROPINE

DIAGNOSTIC USE

[Holter monitoring, exercise test and atropine test in isolated congenital atrioventricular block in children] Chammas E, et al. **Arch Mal Coeur Vaiss** 1991 May;84(5):659–64 (19 ref.) (Eng. Abstr.) **(Fre)**

POISONING

Diphenoxylate–atropine (Lomotil) overdose in children: an update (report of eight cases and review of the literature). McCarron MM, et al. **Pediatrics** 1991 May;87(5):694–700 (27 ref.)

ATTENDING PHYSICIANS, HOSPITAL see MEDICAL STAFF, HOSPITAL

ATTENTION

Additive factor method applied to psychopathology with special reference to childhood hyperactivity. Sergeant J, et al. **Acta Psychol (Amst)** 1990 Aug;74(2–3):277–95 (60 ref.)

Spatial cognition in Parkinson disease. Levin BE. **Alzheimer Dis Assoc Disord** 1990 Fall;4(3):161–70 (47 ref.)

Some developmental implications of a disturbance in responding to complex environmental stimuli. Burke JC. **Am J Ment Retard** 1991 Jul;96(1):37–52 (150 ref.)

Perspectives on relational learning in mental retardation. Green G, et al. **Am J Ment Retard** 1990 Nov;95(3):249–59 (55 ref.)

Attentional functioning and relational learning. Soraci SA Jr, et al. **Am J Ment Retard** 1990 Nov;95(3):304–15 (42 ref.)

Ergonomic and human factors affecting anesthetic vigilance and monitoring performance in the operating room environment [see comments] Weinger MB, et al. **Anesthesiology** 1990 Nov;73(5):995–1021 (277 ref.) Comment in: Anesthesiology 1991 Jun;74(6):1160–1.

Memory and aging: four hypotheses in search of data. Light LL. **Annu Rev Psychol** 1991;42:333–76 (315 ref.)

Sound localization by human listeners. Middlebrooks JC, et al. **Annu Rev Psychol** 1991;42:135–59 (100 ref.)

Why worry? The cognitive function of anxiety. Mathews A. **Behav Res Ther** 1990;28(6):455–68 (60 ref.)

Ordering thoughts on thought disorder. McGrath J. **Br J Psychiatry** 1991 Mar;158:307–16 (60 ref.)

On deriving the properties of agrammatic comprehension. Frazier L, et al. **Brain Lang** 1991 Jan;40(1):51–66 (39 ref.)

Language lateralization in bilinguals: enough already! Paradis M. **Brain Lang** 1990 Nov;39(4):576–86 (50 ref.)

The language environment of the young infant: implications for early perceptual development. Cooper RP, et al. **Can J Psychol** 1989 Jun;43(2):247–65 (55 ref.)

From visual acuity to hyperacuity: a 10–year update. Gwiazda J, et al. **Can J Psychol** 1989 Jun;43(2):109–20 (53 ref.)

The development of a human auditory localization response: a U–shaped function. Muir DW, et al. **Can J Psychol** 1989 Jun;43(2):199–216 (50 ref.)

Past, current, and future trends in infant face perception research. Nelson CA, et al. **Can J Psychol** 1989 Jun; 43(2):183–98 (80 ref.)

The infant's use of visual and haptic information in the perception and recognition of objects. Ruff HA. **Can J Psychol** 1989 Jun;43(2):302–19 (80 ref.)

Dynamic organization of intersensory function. Turkewitz G, et al. **Can J Psychol** 1989 Jun;43(2):286–301 (60 ref.)

Designing for transportation safety in the light of perception, attention, and mental models. Moray N. **Ergonomics** 1990 Oct–Nov;33(10–11):1201–13 (30 ref.)

Complete evaluation of the child identified as a poor listener. Grundfast KM, et al. **Int J Pediatr Otorhinolaryngol** 1991 Feb;21(1):65–78 (23 ref.)

Human classical conditioning. The status of the CS. Levey AB, et al. **Integr Physiol Behav Sci** 1991 Jan–Mar; 26(1):26–31 (9 ref.)

Individual analysis of laterality data. Brysbaert M, et al. **Neuropsychologia** 1990;28(9):901–16 (19 ref.)

New approaches to the study of comparative cognition. Kesner RP. **NIDA Res Monogr** 1990;97:22–36 (33 ref.)

The orienting response: stimulus factors and response measures. Barry RJ. **Pavlov J Biol Sci** 1990 Jul–Sep; 25(3):93–9; discussion 99–103 (12 ref.)

Orienting reaction, organizing for action, and emotional processes. Latash LP. **Pavlov J Biol Sci** 1990 Jul–Sep; 25(3):123–9; discussion 129–31 (27 ref.)

The OR and significance. Maltzman I. **Pavlov J Biol Sci** 1990 Jul–Sep;25(3):111–20; discussion 120–2 (38 ref.)

The orienting response, and future directions of its development. Sokolov EN. **Pavlov J Biol Sci** 1990 Jul–Sep; 25(3):142–50 (13 ref.)

Applied orienting response research: some examples. Tremayne P, et al. **Pavlov J Biol Sci** 1990 Jul–Sep; 25(3):132–9; discussion 139–41 (13 ref.)

Color CRT characterization presented solely in terms of the CIE system. Neri DF. **Percept Mot Skills** 1990 Aug; 71(1):51–64 (26 ref.)

An heuristic for the study of the effects of emotion on memory. Whissell C. **Percept Mot Skills** 1991 Feb; 72(1):3–10 (15 ref.)

Perceptual information for the timing of interceptive action. Tresilian JR. **Perception** 1990;19(2):223–39 (51 ref.)

Monotonic and rhythmic influences: a challenge for sleep deprivation research. Babkoff H, et al. **Psychol Bull** 1991 May;109(3):411–28 (150 ref.)

A review of the tip–of–the–tongue experience. Brown AS. **Psychol Bull** 1991 Mar;109(2):204–23 (95 ref.)

Beyond attentional strategies: cognitive–perceptual model of somatic interpretation. Cioffi D. **Psychol Bull** 1991 Jan; 109(1):25–41 (180 ref.)

Developmental change in speed of processing during childhood and adolescence. Kail R. **Psychol Bull** 1991 May; 109(3):490–501 (90 ref.)

Half a century of research on the Stroop effect: an integrative review. MacLeod CM. **Psychol Bull** 1991 Mar; 109(2):163–203 (425 ref.)

Differing approaches to two–dimensional shape recognition. Quinlan PT. **Psychol Bull** 1991 Mar;109(2):224–41 (140 ref.)

Stratification in perception and action. de Jong HL, et al. **Psychol Res** 1990;52(2–3):216–28 (90 ref.)

Perspectival appearing and Gibson's theory of visual perception. Natsoulas T. **Psychol Res** 1990;52(4):291–8 (26 ref.)

Direct parameter specification and the concept of perception. Neumann O. **Psychol Res** 1990;52(2–3):207–15 (52 ref.)

[Global predominance in object recognition: artefact or treatment rule?] Paquet L. **Can J Psychol** 1991 Mar; 45(1):37–53 (75 ref.) (Eng. Abstr.) **(Fre)**

[Attention deficits and schizophrenia. Multidisciplinary approaches and the Stroop's test] Everett J, et al. **Encephale** 1991 May–Jun;17(3):171–8 (56 ref.) (Eng. Abstr.) **(Fre)**

[Action and reaction elements as performance–modifying components of computer use in clinical psychology] Weber P, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Dec; 42(12):755–60 (5 ref.) (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

The effect of neuroleptics on cognitive and psychomotor function. King DJ. **Br J Psychiatry** 1990 Dec;157:799–811 (140 ref.)

Attentional and motivational effects of psychoactive drugs. Kornetsky C, et al. **NIDA Res Monogr** 1990;97:177–92 (27 ref.)

PHYSIOLOGY

Internal and external control: a two–factor model of amplitude change of event–related potentials. Kok A. **Acta Psychol (Amst)** 1990 Aug;74(2–3):203–36 (100 ref.)

Coordination. Turvey MT. **Am Psychol** 1990 Aug; 45(8):938–53 (39 ref.)

Cross–modal performance: behavioural processes, phylogenetic considerations and neural mechanisms. Ettlinger G, et al. **Behav Brain Res** 1990 Nov 30; 40(3):169–92 (111 ref.)

Different patterns of dissociation in unilateral spatial neglect. Cubelli R, et al. **Brain Cogn** 1991 Mar;15(2):139–59 (73 ref.)

Head movements of visually impaired children. Jan JE. **Dev Med Child Neurol** 1991 Jul;33(7):645–7 (16 ref.)

The neuroanatomy and neurophysiology of attention. Colby CL. **J Child Neurol** 1991;6 Suppl:S90–118 (301 ref.)

Activating tasks for the study of visual–spatial attention in ADHD children: a cognitive anatomic approach. Swanson JM, et al. **J Child Neurol** 1991;6 Suppl:S119–27 (30 ref.)

Unilateral neglect: mechanisms and nursing care. Kalbach LR. **J Neurosci Nurs** 1991 Apr;23(2):125–9 (18 ref.)

A brain mechanism for attention. Sieb RA. **Med Hypotheses** 1990 Nov;33(3):145–53 (32 ref.)

Event–related brain potentials and vigilance performance: dissociations abound, a review. Koelega HS, et al. **Percept Mot Skills** 1991 Jun;72(3 Pt 1):971–82 (50 ref.)

Representational content and computation in the human visual system. Eimer M. **Psychol Res** 1990;52(2–3):238–42 (7 ref.)

Counterpoint: a sensory gating––hippocampal model of schizophrenia [comment] Adler LE, et al. **Schizophr Bull** 1991;17(1):19–24 (35 ref.) Comment on: Schizophr Bull 1991;17(1):15–8.

Elementary neuronal dysfunctions in schizophrenia. Freedman R, et al. **Schizophr Res** 1991 Mar–Apr; 4(2):233–43 (36 ref.)

ATTENTION DEFICIT DISORDER WITH HYPERACTIVITY

Attention–deficit hyperactivity disorder: a clinical review. Pliszka SR. **Am Fam Physician** 1991 Apr;43(4):1267–75 (24 ref.)

Toward a neurobiologic nosology of attention deficit hyperactivity disorder. Voeller KK. **J Child Neurol** 1991; 6 Suppl:S2–8 (78 ref.)

Attention deficit disorders in children and adolescents. Rostain AL. **Pediatr Clin North Am** 1991 Jun;38(3):607–35 (60 ref.)

[Attention deficit disorder] Gross S. **Harefuah** 1990 Oct; 119(7–8):216–9 (43 ref.) **(Heb)**

COMPLICATIONS

Comorbidity: a critical issue in attention deficit disorder. Shaywitz BA, et al. **J Child Neurol** 1991;6 Suppl:S13–22 (88 ref.)

Role of attention deficit hyperactivity disorder in learning disabilities. Golden GS. **Semin Neurol** 1991 Mar;11(1):35–41 (45 ref.)

DIAGNOSIS

Attention deficits and hyperactivity. Rosenberger PB. **Indian J Pediatr** 1990 May–Jun;57(3):353–60 (19 ref.)

The ecological validity of laboratory and analogue assessment methods of ADHD symptoms. Barkley RA. **J Abnorm Child Psychol** 1991 Apr;19(2):149–78 (115 ref.)

Long–term outcome of hyperactive children: a review. Klein RG, et al. **J Am Acad Child Adolesc Psychiatry** 1991 May; 30(3):383–7 (33 ref.)

Attention deficit hyperactivity disorder–residual type. Denckla MB. **J Child Neurol** 1991;6 Suppl:S44–50 (35 ref.)

Clinical management of attention deficit hyperactivity disorder. Voeller KK. **J Child Neurol** 1991;6 Suppl:S51–67 (125 ref.)

Attention deficit hyperactivity disorder: the differential diagnosis. Weinberg WA, et al. **J Child Neurol** 1991;6 Suppl:S23–36 (103 ref.)

Childhood hyperactivity. Schachar R. **J Child Psychol Psychiatry** 1991 Jan;32(1):155–91 (225 ref.)

The Attention Deficit Disorders Evaluation Scale. Adesman AR. **J Dev Behav Pediatr** 1991 Feb;12(1):65–6 (4 ref.)

A critique of current diagnostic criteria for attention deficit hyperactivity disorder: clinical and research implications. Barkley RA. **J Dev Behav Pediatr** 1990 Dec;11(6):343–52 (71 ref.)

Attention deficit hyperactivity disorder: does it affect adults too? Heath CT Jr, et al. **South Med J** 1990 Dec; 83(12):1396–401 (25 ref.)

[Restless children. An exercise in epistemic confusion] Ludewig K. **Prax Kinderpsychol Kinderpsychiatr** 1991 May–Jun;40(5):158–66 (40 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Treatment of attentional and hyperactivity problems in children with sympathomimetic drugs: a comprehensive review [see comments] Jacobvitz D, et al. **J Am Acad Child Adolesc Psychiatry** 1990 Sep;29(5):677–88 (130 ref.) Comment in: J Am Acad Child Adolesc Psychiatry 1991 Mar;30(2):335.

Legal issues in the treatment of children with attention deficit hyperactivity disorder. Ouellette EM. **J Child Neurol** 1991; 6 Suppl:S68–75 (53 ref.)

Clinical management of attention deficit hyperactivity disorder. Voeller KK. **J Child Neurol** 1991;6 Suppl:S51–67 (125 ref.)

Stimulants for ADHD in child patients with Tourette's syndrome: the issue of relative risk. Gadow KD, et al. **J Dev Behav Pediatr** 1990 Oct;11(5):269–71; discussion 272 (50 ref.)

The functional neuroanatomy of psychiatric treatments. Gualtieri CT. **Psychiatr Clin North Am** 1991 Mar; 14(1):113–24 (48 ref.)

[Children with attention deficit disorders with hyperactivity; the role of drugs in treatment] van der Gaag RJ, et al. **Ned Tijdschr Geneeskd** 1991 Jul 13;135(28):1261–6 (81 ref.) **(Dut)**

[Hyperkinetic syndrome in childhood and adolescence. Diagnosis and therapy] Schulz E, et al. **Med Monatsschr Pharm** 1991 May;14(5):137–48 (91 ref.) **(Ger)**

[Stimulant therapy of hyperkinetic syndrome in childhood and adolescence] Schulz E, et al. **Z Kinder Jugenpsychiatr** 1990 Sep;18(3):157–66 (80 ref.) **(Ger)**

EPIDEMIOLOGY

Comorbidity of attention deficit hyperactivity disorder with conduct, depressive, anxiety, and other disorders. Biederman J, et al. **Am J Psychiatry** 1991 May; 148(5):564–77 (118 ref.)

PHYSIOPATHOLOGY

The dopamine theory of attention deficit hyperactivity disorder (ADHD). Levy F. **Aust N Z J Psychiatry** 1991 Jun;25(2):277–83 (52 ref.)

The role of frontal dysfunction in attention deficit hyperactivity disorder. Benson DF. **J Child Neurol** 1991; 6 Suppl:S9–12 (31 ref.)

A possible pathophysiologic substrate of attention deficit hyperactivity disorder. Heilman KM, et al. **J Child Neurol** 1991;6 Suppl:S76–81 (50 ref.)

Activating tasks for the study of visual–spatial attention in ADHD children: a cognitive anatomic approach. Swanson JM, et al. **J Child Neurol** 1991;6 Suppl:S119–27 (30 ref.)

PSYCHOLOGY

Additive factor method applied to psychopathology with special reference to childhood hyperactivity. Sergeant J, et al. **Acta Psychol (Amst)** 1990 Aug;74(2–3):277–95 (60 ref.)

The role of frontal dysfunction in attention deficit hyperactivity disorder. Benson DF. **J Child Neurol** 1991; 6 Suppl:S9–12 (31 ref.)

THERAPY

Therapies for hyperactive children: comparisons,

combinations, and compromises. Whalen CK, et al. **J Consult Clin Psychol** 1991 Feb;59(1):126–37 (69 ref.)

Treating attention-deficit hyperactivity disorder: medication and behavior management training. Barkley RA, et al. **Pediatr Ann** 1991 May;20(5):256–60, 263, 266 (30 ref.)

Biofeedback as a treatment for childhood hyperactivity: a critical review of the literature. Lee SW. **Psychol Rep** 1991 Feb;68(1):163–92 (85 ref.)

ATTITUDE

see related
PUBLIC OPINION
SET (PSYCHOLOGY)

The aging face: a psychocutaneous perspective. Gupta MA, et al. **J Dermatol Surg Oncol** 1990 Oct;16(10):902–4 (11 ref.)

Attitude variables of dentofacial deformity patients: demographic characteristics and associations. Mayo KH, et al. **J Oral Maxillofac Surg** 1991 Jun;49(6):594–602 (18 ref.)

Cognitive-perceptual theory and the projective use of autobiographical memory. Bruhn AR. **J Pers Assess** 1990 Fall;55(1-2):95–114 (16 ref.)

ATTITUDE OF HEALTH PERSONNEL

Psychological problems of families and health workers dealing with people infected with human immunodeficiency virus 1. Maj M. **Acta Psychiatr Scand** 1991 Mar;83(3):161–8 (36 ref.)

Does obstetric ethics have any role in the obstetrician's response to the abortion controversy? [see comments] Chervenak FA, et al. **Am J Obstet Gynecol** 1990 Nov;163(5 Pt 1):1425–9 (17 ref.) Comment in: Am J Obstet Gynecol 1991 Jun;164(6 Pt 1):1686.

Improving outcomes of analgesic treatment: is education enough? [see comments] Max MB. **Ann Intern Med** 1990 Dec 1;113(11):885–9 (57 ref.) Comment in: Ann Intern Med 1991 Feb 15;114(4):342–3.

Resistance to mandatory AIDS testing. **AORN J** 1991 Jul; 54(1):96 (0 ref.)

Caring for medical students as patients. Lane LW, et al. **Arch Intern Med** 1990 Nov;150(11):2249–53 (52 ref.)

Fear of dependence in therapeutic relationships. Pedder J. **Br J Med Psychol** 1991 Jun;65 (Pt 2):117–26 (28 ref.)

The influence of national attitudes on the use of radiotherapy in advanced and metastatic cancer, with particular reference to differences between the United Kingdom and the United States of America: implications for future studies. Maher EJ. **Int J Radiat Oncol Biol Phys** 1991 Jun; 20(6):1369–73 (17 ref.)

Stigma, AIDS and quality of nursing care: state of the science. Siminoff LA, et al. **J Adv Nurs** 1991 Mar; 16(3):262–9 (70 ref.)

Cultural influences on physician communication in health care teams. Cali DD. **J Biocommun** 1991;18(1):22–7 (16 ref.)

Attitudes towards homosexuality in American health care literature 1983–1987. Schwanberg SL. **J Homosex** 1990; 19(3):117–36 (80 ref.)

Nurses and physicians on nutritional support: a comparison. Liaschenko J, et al. **J Med Philos** 1991 Jun;16(3):259–83 (50 ref.)

Ageism in cancer care of the elderly. Derby SE. **Oncol Nurs Forum** 1991 Jul;18(5):921–6 (49 ref.)

Clinical judgments in pain management. Lander J. **Pain** 1990 Jul;42(1):15–22 (50 ref.)

[When conventional medicine is not sufficient. Even physicians are interested in alternative treatment methods] Lynöe N, et al. **Lakartidningen** 1991 May 29;88(22):2077–8 (25 ref.) **(Swe)**

ATTITUDE TO COMPUTERS

Limitations of expert systems: intuition versus analysis. Lilford RJ. **Baillieres Clin Obstet Gynaecol** 1990 Dec; 4(4):851–6 (3 ref.)

ATTITUDE TO DEATH

Family grief in the emergency department. Walters DT, et al. **Emerg Med Clin North Am** 1991 Feb;9(1):189–206 (44 ref.)

[Topics in clinical thanatology. Autopathothanatobiographies, -diaries, -epistulographies in comparison with Angloamerican clinical thanatologic experiences] Jacob H. **Psychother Psychosom Med Psychol** 1990 Dec; 40(12):449–65 (269 ref.) (Eng. Abstr.) **(Ger)**

["When the hour strikes"—thoughts on dying in the aged] Kuhlmey J. **Z Arztl Fortbild (Jena)** 1990;84(13):667–70 (35 ref.) **(Ger)**

ATTITUDE TO HEALTH

see related
PATIENT DROPOUTS
SICK ROLE

Care of AIDS patients as a source of stress to nursing staff. Klonoff EA, et al. **AIDS Educ Prev** 1990 Winter; 2(4):338–48 (13 ref.)

Resilience and human adaptability: who rises above adversity? 1990 Eleanor Clarke Slagle Lecture. Fine SB. **Am J Occup Ther** 1991 Jun;45(6):493–503 (76 ref.)

Caring for medical students as patients. Lane LW, et al. **Arch Intern Med** 1990 Nov;150(11):2249–53 (52 ref.)

Progress and challenges in psychosocial and behavioral research in cancer in the twentieth century. Holland JC. **Cancer** 1991 Feb 1;67(3 Suppl):767–73 (26 ref.)

Assessing how people change. Prochaska JO. **Cancer** 1991 Feb 1;67(3 Suppl):805–7 (13 ref.)

Fever phobia and the adaptive value of fever. Zitelli BJ. **Indian J Pediatr** 1991 Mar-Apr;58(2):275–8 (30 ref.)

Mandatory parental involvement prior to adolescent abortion. Worthington EL Jr, et al. **J Adolesc Health** 1991 Mar;12(2):138–42 (49 ref.)

Failure to immunize children under 5 years: a literature review. Lochhead YJ. **J Adv Nurs** 1991 Feb;16(2):130–7 (31 ref.)

Why the standard view is standard: people, not machines, understand patients' problems. Miller RA. **J Med Philos** 1990 Dec;15(6):581–91 (31 ref.)

Ageism in cancer care of the elderly. Derby SE. **Oncol Nurs Forum** 1991 Jul;18(5):921–6 (49 ref.)

Emerging viruses: defining the rules for viral traffic. Morse SS. **Perspect Biol Med** 1991 Spring;34(3):387–409 (55 ref.)

[Physical exercise for prevention and therapy] Falkenbach A. **Med Monatsschr Pharm** 1990 Oct 10;13(10):303–12 (143 ref.) **(Ger)**

AUDIOLOGY

Audiologic evaluation of the otitis media patient. Margolis RH, et al. **Otolaryngol Clin North Am** 1991 Aug; 24(4):877–99 (58 ref.)

AUDIOMETRY

Hearing compensation evaluation. Melnick W, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):391–402 (15 ref.)

Pseudohypacusis. Rintelmann WF, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):381–90 (12 ref.)

METHODS

Sound field measurement tutorial. Working Group on Sound Field Calibration of the Committee on Audiologic Evaluation American Speech-Language-Hearing Association. **ASHA** 1991 Jan;33(1 Suppl 3):25–38 (35 ref.)

Auditory screening of infants. Morgan DE, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):277–84 (39 ref.)

Behavioral audiometry. Wilson WR, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):285–97 (51 ref.)

[Observations on documentation and recording of audiometry results] Kumpf W. **Laryngorhinootologie** 1991 Feb; 70(2):78–82 (13 ref.) (Eng. Abstr.) **(Ger)**

AUDIOMETRY, ELECTROENCEPHALIC RESPONSE see **AUDIOMETRY, EVOKED RESPONSE**

AUDIOMETRY, EVOKED RESPONSE

Auditory evoked potentials. Ruth RA, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):349–70 (26 ref.)

[Advances in otorhinolaryngology in children] Gou M, et al. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1989; 24(3):184–7 (24 ref.) **(Chi)**

[Current role of electrocochleography] Dauman R, et al. **Acta Otorhinolaryngol Belg** 1991;45(2):217–24 (51 ref.) **(Fre)**

METHODS

SN10 auditory evoked potential revisited. Tawfik S, et al. **Am J Otol** 1991 May;12(3):179–83 (27 ref.)

Central auditory function. Keith RW, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):371–9 (13 ref.)

AUDIOMETRY, IMPEDANCE see **ACOUSTIC IMPEDANCE TESTS**

AUDIO-VISUAL AIDS

PC-based molecular modeling in the classroom: applications to medicinal chemistry and biochemistry. Henkel JG. **J Mol Graph** 1991 Mar;9(1):11–7, 34–5 (12 ref.)

AUDITORY BRAIN STEM EVOKED RESPONSES see **EVOKED POTENTIALS, AUDITORY, BRAIN STEM**

AUDITORY CANAL, EXTERNAL see **EAR CANAL**

AUDITORY CORTEX

see related
AUDITORY DISEASES, CENTRAL

PHYSIOLOGY

Long-latency auditory evoked magnetic fields. Mäkelä JP, et al. **Adv Neurol** 1990;54:177–91 (76 ref.)

Magnetoencephalography in the study of human auditory information processing. Sams M, et al. **Ann N Y Acad Sci** 1991;620:102–17 (55 ref.)

[The after reactions of the auditory system neurons] Al'tman IaA, et al. **Usp Fiziol Nauk** 1990 Oct-Dec;21(4):3–22 (81 ref.) **(Rus)**

PHYSIOPATHOLOGY

Acquired word deafness, and the temporal grain of sound representation in the primary auditory cortex. Phillips DP, et al. **Behav Brain Res** 1990 Nov 15;40(2):85–94 (84 ref.)

AUDITORY DISEASES, CENTRAL

DIAGNOSIS

Central auditory function. Keith RW, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):371–9 (13 ref.)

AUDITORY EVOKED POTENTIALS see **EVOKED POTENTIALS, AUDITORY**

AUDITORY EVOKED RESPONSE see **EVOKED POTENTIALS, AUDITORY**

AUDITORY FATIGUE

PHYSIOLOGY

Noise exposure from leisure activities: a review. Clark WW. **J Acoust Soc Am** 1991 Jul;90(1):175–81 (54 ref.)

Recent studies of temporary threshold shift (TTS) and permanent threshold shift (PTS) in animals. Clark WW. **J Acoust Soc Am** 1991 Jul;90(1):155–63 (65 ref.)

Modeling the interactions between noise exposure and other variables. Humes LE, et al. **J Acoust Soc Am** 1991 Jul; 90(1):182–8 (21 ref.)

Field studies: industrial exposures. Johnson DL. **J Acoust Soc Am** 1991 Jul;90(1):170–4 (22 ref.)

Human temporary threshold shift (TTS) and damage risk. Melnick W. **J Acoust Soc Am** 1991 Jul;90(1):147–54 (35 ref.)

Effects of peak pressure and energy of impulses. Patterson JH Jr. **J Acoust Soc Am** 1991 Jul;90(1):205–8 (12 ref.)

AUDITORY LOCALIZATION see **SOUND LOCALIZATION**

AUDITORY NERVE see **ACOUSTIC NERVE**

AUDITORY OSSICLES see **EAR OSSICLES**

AUDITORY PATHWAYS

see related
AUDITORY DISEASES, CENTRAL

EMBRYOLOGY

A general theory concerning the prenatal origins of cerebral lateralization in humans. Previc FH. **Psychol Rev** 1991 Jul; 98(3):299–334 (590 ref.)

Effects of early auditory experience on development of binaural pathways in the brain. Moore DR. **Semin Perinatol** 1990 Aug;14(4):294–8 (30 ref.)

PHYSIOLOGY

The descending auditory pathway and acousticomotor systems: connections with the inferior colliculus. Huffman RF, et al. **Brain Res Brain Res Rev** 1990 Sep-Dec; 15(3):295–323 (337 ref.)

An introduction to the functional neurochemistry of the auditory system. Musiek FE, et al. **Ear Hear** 1990 Dec; 11(6):395–402 (46 ref.)

AUDITORY PERCEPTION

Perceptual representation systems and implicit memory. Toward a resolution of the multiple memory systems debate. Schacter DL. **Ann N Y Acad Sci** 1990;608:543–67; discussion 567–71 (99 ref.)

Music psychology:tonal structures in perception and memory. Krumhansl CL. **Annu Rev Psychol** 1991; 42:277–303 (164 ref.)

Absence of both auditory evoked potentials and auditory percepts dependent on timing cues. Starr A, et al. **Brain** 1991 Jun;114 (Pt 3):1157–80 (64 ref.)

PHYSIOLOGY

Towards a developmental cognitive science. The implications of cross-modal matching and imitation for the development of representation and memory in infancy. Meltzoff AN. **Ann N Y Acad Sci** 1990;608:1–31; discussion 31–7 (154 ref.)

Magnetoencephalography in the study of human auditory information processing. Sams M, et al. **Ann N Y Acad Sci** 1991;620:102–17 (55 ref.)

Event-related brain potentials and vigilance performance: dissociations abound, a review. Koelega HS, et al. **Percept Mot Skills** 1991 Jun;72(3 Pt 1):971–82 (50 ref.)

[Current problems in the study of the structural-functional organization of the acoustic-speech system of the brain] Vartanian IA. **Usp Fiziol Nauk** 1991 Apr-Jun;22(2):19–32 (76 ref.) **(Rus)**

AUDITORY PERCEPTUAL DISORDERS

PHYSIOPATHOLOGY

Acquired word deafness, and the temporal grain of sound representation in the primary auditory cortex. Phillips DP, et al. **Behav Brain Res** 1990 Nov 15;40(2):85–94 (84 ref.)

AUDITORY PROSTHESIS see **COCHLEAR IMPLANT**

AUDITORY THRESHOLD

see related
AUDIOMETRY

DRUG EFFECTS

Reflex modification and the detection of toxicant-induced auditory dysfunction. Crofton KM. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):461–8 (68 ref.)

PHYSIOLOGY

SN10 auditory evoked potential revisited. Tawfik S, et al. **Am J Otol** 1991 May;12(3):179–83 (27 ref.)

Frequency specificity of the auditory brainstem response elicited by 1,000-Hz filtered clicks. Conijn EA, et al. **Audiology** 1990;29(4):181–95 (57 ref.)

The structural and functional consequences of acoustic injury in the cochlea and peripheral auditory system: a five year update. Saunders JC, et al. **J Acoust Soc Am** 1991 Jul; 90(1):136–46 (90 ref.)

AUDITORY TUBE see **EUSTACHIAN TUBE**

AUERBACH'S PLEXUS see **MYENTERIC PLEXUS**

AUJESZKY'S DISEASE see **PSEUDORABIES**

AUJESZKY'S DISEASE VIRUS see **PSEUDORABIES VIRUS**

AUREOLIC ACID see **MITHRAMYCIN**

AURICULAR FIBRILLATION see **ATRIAL FIBRILLATION**

AURICULAR FLUTTER see **ATRIAL FLUTTER**

AURICULIN see **NATRIURETIC PEPTIDES, ATRIAL**

AURICULO-VENTRICULAR DISSOCIATION see **HEART BLOCK**

AUROVERTINS

TOXICITY

Additional mycotoxins of potential importance to human and animal health. Richard JL. **Vet Hum Toxicol** 1990;32 Suppl:63–9; discussion 69–70 (70 ref.)

AUSTRALIA ANTIGEN see **HEPATITIS B SURFACE ANTIGENS**

AUTACOIDS see **SLOW-REACTING SUBSTANCES**

AUTHORSHIP

Gift co-authorships: a tangled web. Jackway P, et al. **Aust Clin Rev** 1990;10(2):72–5 (22 ref.)

AUTISM

BLOOD

The hyperserotonemia of autism. Anderson GM, et al. **Ann N Y Acad Sci** 1990;600:331–40; discussion 341–2 (77 ref.)

METABOLISM

Autism: review of neurochemical investigation. Cook EH. **Synapse** 1990;6(3):292–308 (280 ref.)

PHYSIOPATHOLOGY

Frontal lobe seizures in autism. Gedye A. **Med Hypotheses** 1991 Feb;34(2):174–82 (121 ref.)

AUTISM, INFANTILE

DIAGNOSIS

Is Asperger's syndrome a useful diagnosis? [see comments] Cox AD. **Arch Dis Child** 1991 Feb;66(2):259–62 (30 ref.) Comment in: Arch Dis Child 1991 Feb;66(2):178–9.

Is Asperger's a syndrome? Green J. **Dev Med Child Neurol** 1990 Aug;32(8):743–7 (34 ref.)

Outcome in autism and autistic-like conditions. Gillberg C. **J Am Acad Child Adolesc Psychiatry** 1991 May; 30(3):375–82 (46 ref.)

Use of bioclinical markers for the assessment and treatment of children with pervasive developmental disorders. Adrien JL, et al. **Neuropsychobiology** 1989;22(3):117–24 (64 ref.)

What is autism? Hobson RP. **Psychiatr Clin North Am** 1991 Mar;14(1):1–17 (79 ref.)

Methods and measures of behavior in the diagnosis of autism and related disorders. Lord C. **Psychiatr Clin North Am** 1991 Mar;14(1):69–80 (48 ref.)

Toward DSM-IV: a developmental approach to autistic disorder. Siegel B. **Psychiatr Clin North Am** 1991 Mar; 14(1):53–68 (21 ref.)

Asperger's syndrome: diagnosis, treatment, and outcome. Szatmari P. **Psychiatr Clin North Am** 1991 Mar;14(1):81–93 (37 ref.)

[Autistic children with mental handicap: differential etiologic, diagnostic, and therapy related principles] Kusch M, et al. **Z Klin Psychol Psychopathol Psychother** 1991;39(1):2–32 (105 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

The functional neuroanatomy of psychiatric treatments. Gualtieri CT. **Psychiatr Clin North Am** 1991 Mar; 14(1):113–24 (48 ref.)

ETIOLOGY

Rett syndrome and the autistic disorders. Percy A, et al. **Neurol Clin** 1990 Aug;8(3):659–76 (119 ref.)

Prenatal and perinatal factors in the etiology of autism. Nelson KB. **Pediatrics** 1991 May;87(5 Pt 2):761–6 (37 ref.)

GENETICS

Etiology of autism: genetic influences. Folstein SE, et al. **Pediatrics** 1991 May;87(5 Pt 2):767–73 (51 ref.)

Genetic influences in autism. Smalley SL. **Psychiatr Clin North Am** 1991 Mar;14(1):125–39 (55 ref.)

[The significance of genetic factors in the etiology of early infantile autism] Remschmidt H, et al. **Z Kinder Jugenpsychiatr** 1990 Dec;18(4):216–23 (28 ref.) **(Ger)**

PATHOLOGY

Microscopic neuroanatomic abnormalities in autism. Bauman ML. **Pediatrics** 1991 May;87(5 Pt 2):791–6 (49 ref.)

Neuroanatomic imaging in autism. Courchesne E. **Pediatrics** 1991 May;87(5 Pt 2):781–90 (78 ref.)

PHYSIOPATHOLOGY

The brain development and behaviour of autistic children. Notes on the research situation. Rothenberger A. **Acta Paedopsychiatr** 1990;53(3):191–4 (15 ref.)

A novel biochemical model linking dysfunctions in brain melatonin, proopiomelanocortin peptides, and serotonin in autism. Chamberlain RS, et al. **Biol Psychiatry** 1990 Nov 1;28(9):773–93 (150 ref.)

Indices of neural function in autism: clinical and biologic implications. Minshew NJ. **Pediatrics** 1991 May;87(5 Pt 2):774–80 (49 ref.)

[Psychoimmunology. II. The neuroendocrine system and the immune system in autism and schizophrenia] Francesetti G, et al. **Minerva Psichiatr** 1991 Apr–Jun;32(2):75–82 (44 ref.) (Eng. Abstr.) **(Ita)**

PSYCHOLOGY

How and what do autistic children see? Emotional, perceptive and social peculiarities reflected in more recent examinations of the visual perception and the process of observation in autistic children. Dalferth M. **Acta Paedopsychiatr** 1989;52(2):121–33 (75 ref.)

Some developmental implications of a disturbance in responding to complex environmental stimuli. Burke JC. **Am J Ment Retard** 1991 Jul;96(1):37–52 (150 ref.)

Concerning knowledge of mental states. Hobson RP. **Br J Med Psychol** 1990 Sep;63 (Pt 3):199–213 (55 ref.)

Autistic children: diagnosis and clinical features. Rapin I. **Pediatrics** 1991 May;87(5 Pt 2):751–60 (61 ref.)

Social deviance in autism: a central integrative failure as a model for social nonengagement. Shapiro T, et al. **Psychiatr Clin North Am** 1991 Mar;14(1):19–32 (53 ref.)

REHABILITATION

Critical issues in the residential care of people with autism. Van Bourgondien ME, et al. **J Autism Dev Disord** 1990 Sep;20(3):391–9 (15 ref.)

The relationship between existing residential services and the needs of autistic adults. Van Bourgondien ME, et al. **J Autism Dev Disord** 1990 Sep;20(3):299–308 (18 ref.)

Group homes in North Carolina for children and adults with autism. Wail AJ. **J Autism Dev Disord** 1990 Sep; 20(3):353–66 (47 ref.)

AUTOANALYSIS

INSTRUMENTATION

Advances in automation of pharmaceutical analysis. Berridge JC. **J Pharm Biomed Anal** 1989;7(12):1313–21 (33 ref.)

AUTOANTIBODIES

see related
AUTOIMMUNE DISEASES

Diversity and origin of rheumatologic autoantibodies. Fritzler MJ, et al. **Clin Microbiol Rev** 1991 Jul;4(3):256–69 (145 ref.)

Autoantibodies and their idiotypes. Isenberg DA. **Curr Opin Rheumatol** 1990 Oct;2(5):724–32 (35 ref.)

Anticardiolipin antibodies and lupus anticoagulants. Lockshin MD. **Curr Opin Rheumatol** 1990 Oct;2(5):708–11 (21 ref.)

Antibody-mediated injury of the proximal tubule epithelium. Noble B, et al. **Immunol Ser** 1990;52:323–43 (49 ref.)

DNA antibody idiotypes. An analysis of their role in health and disease. Isenberg DA, et al. **J Autoimmun** 1990 Aug; 3(4):339–55; discussion 355–6 (103 ref.)

The characterization of DNA antibody idiotypes--a description. Rauch J, et al. **J Autoimmun** 1990 Aug; 3(4):357–66; discussion 367–75 (30 ref.)

Antibodies directed to the insulin receptor. Clinical aspects and applications to the study of insulin action. De Pirro R, et al. **J Endocrinol Invest** 1990 Dec;13(11):951–68 (96 ref.)

ANALYSIS

The ANCA test: its clinical relevance. Ramirez G, et al. **Ann Rheum Dis** 1990 Oct;49(10):741–2 (34 ref.)

Wegener's granulomatosis, systemic vasculitis, and antineutrophil cytoplasmic autoantibodies. Falk RJ, et al. **Annu Rev Med** 1991;42:459–69 (41 ref.)

The effect of immunosuppressive treatment on ANCA. Petersen J, et al. **APMIS Suppl** 1990;19:40–1 (6 ref.)

Proteoglycan-specific autoreactive antibodies and T-lymphocytes in experimental arthritis and human rheumatoid joint diseases. Glant TT, et al. **Biochem Soc Trans** 1990 Oct;18(5):796–9 (40 ref.)

Autoantibodies to the TSH receptor in patients with autoimmune thyroid disease. McGregor AM. **Clin Endocrinol (Oxf)** 1990 Dec;33(6):683–5 (19 ref.)

Antiphospholipid antibodies and recurrent pregnancy loss. Brown HL. **Clin Obstet Gynecol** 1991 Mar;34(1):17–26 (76 ref.)

Assays for autoantibodies. Lymberi P, et al. **Curr Opin Immunol** 1989–90;2(6):917–22 (30 ref.)

Pyruvate dehydrogenase as an antigen to detect antimitochondrial antibodies. Zurgil N, et al. **Isr J Med Sci** 1990 Dec;26(12):682–5 (18 ref.)

The consensus workshops for the detection of autoantibodies to intracellular antigens in rheumatic diseases. van Venrooij WJ, et al. **J Immunol Methods** 1991 Jul 5;140(2):181–9 (16 ref.)

Stiff-person syndrome: an autoimmune disease. Blum P, et al. **Mov Disord** 1991;6(1):12–20 (40 ref.)

Hashimoto's encephalopathy: a steroid-responsive disorder associated with high anti-thyroid antibody titers--report of 5 cases. Shaw PJ, et al. **Neurology** 1991 Feb;41(2 (Pt 1)):228–33 (28 ref.)

Childhood scleromyositis: an overlap syndrome associated with PM-Scl antibody. Błaszczyk M, et al. **Pediatr Dermatol** 1991 Mar;8(1):1–8 (10 ref.)

Platelet IgG: measurement, interpretation, and clinical significance. George JN. **Prog Hemost Thromb** 1991; 10:97–126 (147 ref.)

Polymyositis, pulmonary fibrosis and autoantibodies to aminoacyl-tRNA synthetase enzymes. Marguerie C, et al. **Q J Med** 1990 Oct;77(282):1019–38 (69 ref.)

Induction of autoantibodies by human immunodeficiency virus infection and their significance. Solinger AM, et al. **Rheum Dis Clin North Am** 1991 Feb;17(1):157–76 (152 ref.)

The clinical significance of Ro (SS-A) and La (SS-B) antibodies in lupus erythematosus. Provost TT. **Semin Dermatol** 1988 Jun;7(2):130–9 (66 ref.)

Nerve antigen based serological tests for the diagnosis and prognosis of leprosy. Mukherjee R, et al. **Trop Med Parasitol** 1990 Sep;41(3):357–8 (14 ref.)

[Antiphospholipid antibodies] Jansen J, et al. **Ugeskr Laeger** 1991 Jan 7;153(2):95–9 (30 ref.) (Eng. Abstr.) **(Dan)**

[Antineutrophil cytoplasmic antibodies: a new diagnostic tool] Papo T, et al. **Rev Med Interne** 1991 Jan–Feb; 12(1):60–5 (57 ref.) (Eng. Abstr.) **(Fre)**

[Association of Basedow's disease and autoimmune thrombopenic purpura. No effect of hyperthyroidism on antiplatelet autoimmunity] Vergès B, et al. **Rev Med Interne** 1989 Nov–Dec;10(6):565–9 (24 ref.) (Eng. Abstr.) **(Fre)**

[Anti-Gm1 antibodies in motor system diseases and neuropathies] Thomas FP. **Nervenarzt** 1990 Dec; 61(12):704–10 (90 ref.) (Eng. Abstr.) **(Ger)**

[Insulin and immunology--a correlation] Federlin K, et al. **Z Gesamte Inn Med** 1990 Oct 15;45(20):601–4 (14 ref.) (Eng. Abstr.) **(Ger)**

[Autoantibodies as specific markers for autoimmune diseases] Ben-Chetrit E. **Harefuah** 1990 Aug;119(3–4):82–5 (38 ref.) **(Heb)**

[Antiphospholipid antibodies: physiopathology and clinical aspects] Todesco S. **G Clin Med** 1990 Nov;71(11):627–30, 633–7 (61 ref.) **(Ita)**

[Donath-Landsteiner antibody of the IgM class with anti-I specificity and possible efficacy of azathioprine therapy in paroxysmal cold hemoglobinuria: a case report] Nakamura H, et al. **Rinsho Ketsueki** 1990 Sep;31(9):1548–52 (14 ref.) (Eng. Abstr.) **(Jpn)**

[Antimitochondrial antibodies in primary biliary cirrhosis] Ulbo RM. **Ter Arkh** 1991;63(2):148–9 (24 ref.) **(Rus)**

[Cellular immunity and the autoantibody system in

polymyositis and dermatomyositis] Ljubičić N, et al. **Lijec Vjesn** 1991 Mar–Apr;113(3–4):95–9 (65 ref.) (Eng. Abstr.) **(Scr)**

BIOSYNTHESIS

Maternal autoantibodies and pregnancy—I: The antiphospholipid antibody syndrome. Harris EN. **Baillieres Clin Rheumatol** 1990 Apr;4(1):53–68 (91 ref.)

Thyroglobulin antibodies in experimental autoimmune thyroiditis. Vladutiu AO. **Immunol Ser** 1990;52:241–66 (129 ref.)

Herpes gestationis—bullae from hormones that cause increased extracellular matrix (autoantibodies to epidermal basement membrane as a secondary phenomenon). Stone OJ. **Med Hypotheses** 1990 Sep;33(1):11–4 (19 ref.)

Evidence that the B lymphocyte proliferating in B-CLL and in other B-cell malignancies is frequently committed to production of natural autoantibodies. Dighiero G, et al. **Nouv Rev Fr Hematol** 1990;32(5):323–6 (27 ref.)

BLOOD

Prevalence of thyroid autoimmunity in insulin dependent diabetes mellitus in the Bayamon region. Sánchez-Lugo F. **Bol Asoc Med P R** 1991 Feb;83(2):54–7 (13 ref.)

Advances in clinical immunology. Merryman P. **Bull Hosp Jt Dis Orthop Inst** 1991 Spring;51(1):12–21 (36 ref.)

Anti-neutrophil cytoplasmic antibodies and anti-endothelial cell antibodies. Dillon MJ, et al. **Pediatr Nephrol** 1991 Mar; 5(2):256–9 (44 ref.)

[Antiphospholipid syndrome and cardiovascular disease] García Bolao JI, et al. **Rev Med Univ Navarra** 1990 Jul–Sep; 34(3):151–5 (45 ref.) (Eng. Abstr.) **(Spa)**

CLASSIFICATION

Current classification and definitions of autoantibodies to neutrophil granulocytes. Wiik A. **APMIS Suppl** 1990; 19:24–5 (8 ref.)

DIAGNOSTIC USE

[Nuclear antigens detectable with human autoantibodies] Semenov MV. **Tsitologiia** 1990;32(10):965–76 (117 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

V genes usage by autoantibodies and their polymorphism in autoimmune mice. Bona C, et al. **Autoimmunity** 1988; 2(1):39–53 (37 ref.)

Immunogenetics of autoantibodies and autoimmune diseases. Olsen NJ, et al. **Curr Opin Rheumatol** 1991 Jun;3(3):391–7 (28 ref.)

Pairing of VK and VK gene families in self-reactive antibodies. Bona CA, et al. **J Clin Immunol** 1990 Sep; 10(5):223–36 (67 ref.)

IMMUNOLOGY

Immunology and clinical importance of antiphospholipid antibodies. McNeil HP, et al. **Adv Immunol** 1991;49:193–280 (401 ref.)

The pathogenic role of antineutrophil cytoplasmic autoantibodies. Ewert BH, et al. **Am J Kidney Dis** 1991 Aug;18(2):188–95 (41 ref.)

Pathogenetic aspects of organ-specific autoimmunity. Ricci M. **Ann Ital Med Int** 1988;3 Suppl 1:71–82 (38 ref.)

Autoantibodies and antibacterial antibodies: from both sides now. Watts RA, et al. **Ann Rheum Dis** 1990 Dec; 49(12):961–5 (73 ref.)

Autoimmune angioedema: a new role for autoantibody in disease pathogenesis. Jackson J, et al. **Autoimmunity** 1990; 7(2–3):181–7 (22 ref.)

Antibodies to intracellular antigens in systemic autoimmune disease. Bernstein RM. **Biochem Soc Trans** 1991 Feb; 19(1):159–64 (29 ref.)

Antibodies to receptors by an auto-anti-idiotypic strategy. Erlanger BF. **Biochem Soc Trans** 1991 Feb;19(1):138–43 (30 ref.)

Autoantibody-facilitated proteolytic cleavage: a new pathogenic mechanism in autoimmunity. Jackson J. **Biochem Soc Trans** 1991 Feb;19(1):176–80 (32 ref.)

Immune haemolytic anaemia and thrombocytopenia: drugs and autoantibodies. Murphy WG, et al. **Biochem Soc Trans** 1991 Feb;19(1):183–6 (16 ref.)

Autoantibodies, alloantibodies and reproductive success. Mowbray JF. **Curr Opin Immunol** 1989–90;2(5):761–4 (12 ref.)

Immune responses to tissue-restricted self antigens: studies on T cell tolerance and autoimmunity to pancreatic beta cells. Lo D. **Curr Top Microbiol Immunol** 1990;164:71–94 (96 ref.)

Insulin antibodies and insulin autoantibodies. Greenbaum CJ, et al. **Diabetic Med** 1991 Feb–Mar;8(2):97–105 (93 ref.)

Long-lasting kidney graft survival after immunization with antibody-coated blood cells: mediation by immunosuppressive autoantibodies. Terness P, et al. **Immunol Lett** 1990 Nov;26(2):139–44 (20 ref.)

In vitro studies of acantholysis of keratinocytes induced by pemphigus antibody. Hashimoto KH, et al. **Immunol Ser** 1989;46:277–90 (61 ref.)

Natural autoantibodies: from 'horror autotoxicus' to 'gnothi seauton'. Avrameas S. **Immunol Today** 1991 May; 12(5):154–9 (47 ref.)

Second generation immune networks. Varela FJ, et al. **Immunol Today** 1991 May;12(5):159–66 (59 ref.)

Antineutrophil cytoplasmic autoantibodies: disease associations, molecular biology, and pathophysiology. Jennette JC, et al. **Int Rev Exp Pathol** 1991;32:193–221 (37 ref.)

Auto-immune chronic active hepatitis: a specific entity? The negative argument [see comments] Czaja AJ. **J Gastroenterol Hepatol** 1990 May–Jun;5(3):343–51 (81 ref.) Comment in: J Gastroenterol Hepatol 1990 May–Jun;5(3):360–1.

Auto-immune (lupoid) hepatitis: an entity in the spectrum of chronic active liver disease [see comments] Mackay IR. **J Gastroenterol Hepatol** 1990 May–Jun;5(3):352–9 (55 ref.) Comment in: J Gastroenterol Hepatol 1990 May–Jun;5(3):360–1.

ANCA-associated renal disease [clinical conference] Falk RJ. **Kidney Int** 1990 Nov;38(5):998–1010 (69 ref.)

Receptor autoimmunity in endocrine disorders. Wilkin TJ. **N Engl J Med** 1990 Nov 8;323(19):1318–24 (52 ref.)

The 'antiphospholipid syndrome' and the 'lupus anticoagulant'. Cameron JS, et al. **Pediatr Nephrol** 1990 Nov;4(6):663–78 (184 ref.)

Origin and significance of anti-heart and anti-skeletal muscle autoantibodies in Chagas' disease. Laguens RP, et al. **Res Immunol** 1991 Feb;142(2):160–3 (17 ref.)

Molecular mimicry and Chagas' heart disease: high anti-R-13 autoantibody levels are markers of severe Chagas heart complaint. Levin MJ. **Res Immunol** 1991 Feb;142(2):157–9 (15 ref.)

What roles have anti-interferon antibodies in physiology and pathology? Bocci V. **Ric Clin Lab** 1991 Jan–Mar; 21(1):79–84 (44 ref.)

Glomerular injury induced by antibody and complement. Quigg RJ. **Semin Nephrol** 1991 May;11(3):259–67 (89 ref.)

[Mitochondrial antigens and their antibodies] De Groote J. **Acta Gastroenterol Belg** 1991 Jan–Feb;54(1):19–26 (40 ref.) (Eng. Abstr.) **(Dut)**

[Antibodies which block thyroid function: current concept of thyroid autoimmunity] Bonnyns M, et al. **Acta Clin Belg** 1990;45(4):223–6 (22 ref.) **(Fre)**

[Streptococci, molecular mimicry and APO titer] Fantini F. **Boll Ist Sieroter Milan** 1989;68(2):108–14 (21 ref.) **(Ita)**

[The role of cellular immunity in the pathogenesis of glomerulonephritis] Kacprzyk F, et al. **Postepy Hig Med Dosw** 1989;43(2–4):199–212 (82 ref.) (Eng. Abstr.) **(Pol)**

[Interactions between the reproductive and immune systems] Kurpisz M. **Postepy Hig Med Dosw** 1989;43(5–6):365–409 (155 ref.) (Eng. Abstr.) **(Pol)**

[Immunochemistry of eukaryotic ribosomes] Lopaczyński W, et al. **Postepy Hig Med Dosw** 1990;44(1–3):21–39 (99 ref.) (Eng. Abstr.) **(Pol)**

[Anti-endocardium antibodies and inversion of autoimmunity mechanisms in the chronic phase of rheumatic fever] Argüelles E. **Arq Bras Cardiol** 1990 May;54(5):343–6 (27 ref.) **(Por)**

[Autoimmune pathology of the thyroid gland in rheumatoid arthritis and systemic lupus erythematosus] Serebriakov VG. **Revmatologiia (Mosk)** 1991 Jan–Mar;(1):30–3 (51 ref.) **(Rus)**

[Antiendothelial cell antibodies] Cervera R, et al. **Med Clin (Barc)** 1990 Nov 24;95(18):712–5 (60 ref.) **(Spa)**

ISOLATION & PURIFICATION

[Antineutrophil cytoplasma antibodies (ANCA): clinical indications and experience with these new autoantibodies] Stupp R, et al. **Schweiz Med Wochenschr** 1991 Jul 9; 121(27–28):1001–7 (55 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

[A case of chronic demyelinating polyneuropathy with benign IgM anti-myelin-associated glycoprotein paraproteinenia—transient improvement with weekly plasmapheresis] Muramoto T, et al. **Rinsho Shinkeigaku** 1991 Jan;31(1):38–43 (19 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Possible pathogenetic implications of ANCA in vasculitic syndromes. van der Woude FJ. **APMIS Suppl** 1990; 19:29–30 (14 ref.)

The biological role of naturally-occurring cytokine inhibitors. Arend WP, et al. **Br J Rheumatol** 1991;30 Suppl 2:49–52 (15 ref.)

[Role of pancreatic islet cell antibodies and insulin autoantibodies in insulin-dependent diabetes mellitus] Hao W, et al. **Chung Hua Nei Ko Tsa Chih** 1990 Oct;29(10):624–7 (20 ref.) **(Chi)**

[The role of anticardiolipin antibodies in the pathogenesis of arterial and venous thromboses] Eber B. **Acta Med Austriaca** 1990;17(4):67–70 (45 ref.) (Eng. Abstr.) **(Ger)**

AUTOANTIGENS

Are the immune responses to endocrine autoantigens genetically restricted? Farid NR. **Autoimmunity** 1989; 3(1):47–55 (27 ref.)

Carcinoembryonic antigen as an autoantigen. Breborowicz J, et al. **Immunol Ser** 1990;52:65–83 (84 ref.)

Higher molecular weight insulin precursors as autoantigens in type I diabetes. Csorba TR. **Med Hypotheses** 1990 Oct; 33(2):113–6 (28 ref.)

[Molecular analyses of autoantigens] Yamamoto K. **Ryumachi** 1991 Feb;31(1):86–95 (30 ref.) **(Jpn)**

ANALYSIS

Identification and analysis of the major autoantigens in primary biliary cirrhosis. Yeaman SJ. **Biochem Soc Trans** 1991 Feb;19(1):196–8 (22 ref.)

Pancarcinoma T and Tn epitopes: autoimmunogens and diagnostic markers that reveal incipient carcinomas and help establish prognosis. Springer GF, et al. **Immunol Ser** 1990;53:587–612 (137 ref.)

CHEMISTRY

The structure of thyroid autoantigens. Furmaniak J, et al. **Autoimmunity** 1990;7(1):63–80 (110 ref.)

GENETICS

The molecular genetics of three thyroid autoantigens: thyroglobulin, thyroid peroxidase and the thyrotropin receptor. Ludgate M, et al. **Autoimmunity** 1990; 7(2–3):201–11 (56 ref.)

IMMUNOLOGY

Immunopathological recognition of autoantigens in multiple sclerosis. Bernard CC, et al. **Acta Neurol (Napoli)** 1991 Apr; 13(2):171–8 (35 ref.)

Antinuclear antibodies and disease specificity. Mongey AB, et al. **Adv Intern Med** 1991;36:151–69 (93 ref.)

The immune response to autoantigens and viruses in rheumatic disease. Venables PJ, et al. **Br J Rheumatol** 1991; 30 Suppl 1:70–4 (44 ref.)

Autoimmunity to sperm antigens. Raghupathy R, et al. **Curr Opin Immunol** 1989–90;2(5):757–60 (17 ref.)

The recognition of self-antigens and autoimmune disease. Smith SC, et al. **Curr Opin Immunol** 1991 Feb;3(1):22–5 (29 ref.)

The 64-kDa beta cell membrane autoantigen and other target molecules of humoral autoimmunity in insulin-dependent diabetes mellitus. Sigurdsson E, et al. **Curr Top Microbiol Immunol** 1990;164:143–68 (133 ref.)

Primary biliary cirrhosis: paradigm or paradox for autoimmunity. Gershwin ME, et al. **Gastroenterology** 1991 Mar;100(3):822–33 (90 ref.)

Multiple target antigens in pre-type I diabetes: implications for prediction. Ziegler R, et al. **Horm Res** 1990; 33(2–4):144–50; discussion 150–1 (53 ref.)

Speculations on mechanisms of HLA associations with autoimmune diseases and the specificity of "autoreactive" T lymphocytes. Möller E, et al. **Immunol Rev** 1990 Dec; 118:5–19 (51 ref.)

Biochemical differentiation of types of pemphigus. Eyre RW, et al. **Immunol Ser** 1989;46:317–31 (36 ref.)

Thy-1 autoepitopes. Thomas DB, et al. **Immunol Ser** 1989; 45:85–97 (41 ref.)

The dominant self and the cryptic self: shaping the autoreactive T-cell repertoire. Gammon G, et al. **Immunol Today** 1991 Jun;12(6):193–5 (17 ref.)

Autoimmunity to lysosomal enzymes: new clues to vasculitis and glomerulonephritis? Kallenberg CG, et al. **Immunol Today** 1991 Feb;12(2):61–4 (42 ref.)

Pyruvate dehydrogenase as an antigen to detect antimitochondrial antibodies. Zurgil N, et al. **Isr J Med Sci** 1990 Dec;26(12):682–5 (18 ref.)

The consensus workshops for the detection of autoantibodies to intracellular antigens in rheumatic diseases. van Venrooij WJ, et al. **J Immunol Methods** 1991 Jul 5;140(2):181–9 (16 ref.)

Role of testicular autoantigens and influence of lymphokines in testicular autoimmune disease. Yule TD, et al. **J Reprod Immunol** 1990 Aug;18(1):89–103 (35 ref.)

The clinical significance of Ro (SS-A) and La (SS-B) antibodies in lupus erythematosus. Provost TT. **Semin Dermatol** 1988 Jun;7(2):130–9 (66 ref.)

Nerve antigen based serological tests for the diagnosis and prognosis of leprosy. Mukherjee R, et al. **Trop Med Parasitol** 1990 Sep;41(3):357–8 (14 ref.)

[Mitochondrial antigens and their antibodies] De Groote J. **Acta Gastroenterol Belg** 1991 Jan–Feb;54(1):19–26 (40 ref.) (Eng. Abstr.) **(Dut)**

[Significance of autoimmunity in various forms of uveitis] Zierhut M, et al. **Klin Monatsbl Augenheilkd** 1991 Mar; 198(3):165–73 (102 ref.) (Eng. Abstr.) **(Ger)**

[Surface antigens of male germ cells—their identification and functional analysis] Kurpisz M. **Postepy Hig Med Dosw** 1990;44(1–3):1–19 (85 ref.) (Eng. Abstr.) **(Pol)**

ISOLATION & PURIFICATION

The Goodpasture antigen. Wieslander J. **Contrib Nephrol** 1990;80:56–67 (40 ref.)

METABOLISM

Autoantigen processing and the mechanisms of tolerance to self. Werdelin O. **Immunol Ser** 1990;52:1–9 (34 ref.)

[Carbohydrate auto-antigens in auto-immune hemolytic anemia] Kannagi R, et al. **Rinsho Ketsueki** 1991 Jun; 32(6):599–605 (22 ref.) (Eng. Abstr.) **(Jpn)**

AUTOGRAFT see TRANSPLANTATION, AUTOLOGOUS

AUTOIMMUNE DISEASES

Nodal generalised osteoarthritis is an autoimmune disease. Doherty M, et al. **Ann Rheum Dis** 1990 Dec;49(12):1017–20 (66 ref.)

Maternal autoantibodies and pregnancy—I: The antiphospholipid antibody syndrome. Harris EN. **Baillieres Clin Rheumatol** 1990 Apr;4(1):53–68 (91 ref.)

Autoimmune thrombocytopenic purpura in pregnancy. Moise KJ Jr. **Clin Obstet Gynecol** 1991 Mar;34(1):51–63 (61 ref.)

The gastrointestinal tract in pernicious anemia. Loffeld BC, et al. **Dig Dis** 1991;9(2):70–7 (49 ref.)

Autoimmune hepatitis: the realities and the uncertainties. Mackay IR. **Gastroenterol Jpn** 1991 Feb;26(1):102–8 (19 ref.)

Systemic lupus erythematosus. Goust JM. **Immunol Ser** 1990; 50:449–63 (6 ref.)

Rheumatoid arthritis. Goust JM. **Immunol Ser** 1990;50:465–79 (6 ref.)

Organ-specific autoimmune diseases. Patrick CC. **Immunol Ser** 1990;50:435–48 (15 ref.)

New autoimmune conditions. Shoenfeld Y. **Isr J Med Sci** 1990 Dec;26(12):663–6 (35 ref.)

Auto-immune chronic active hepatitis: a specific entity? The negative argument [see comments] Czaja AJ. **J Gastroenterol Hepatol** 1990 May–Jun;5(3):343–51 (81 ref.) Comment in: J Gastroenterol Hepatol 1990 May–Jun;5(3):360–1.

Auto-immune (lupoid) hepatitis: an entity in the spectrum of chronic active liver disease [see comments] Mackay IR. **J Gastroenterol Hepatol** 1990 May–Jun;5(3):352–9 (55 ref.) Comment in: J Gastroenterol Hepatol 1990 May–Jun;5(3):360–1.

Autoimmune inner ear disease: a review of basic mechanisms and clinical correlates. Ruckenstein MJ, et al. **J Otolaryngol** 1991 Jun;20(3):196–203 (46 ref.)

Immune thrombocytopenia in the perinatal period. Beardsley DS. **Semin Perinatol** 1990 Oct;14(5):368–73 (36 ref.)

[Basic and clinical study of autoimmune inner ear disease. Review of literature] Gu ZY. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1991;26(2):105–7 (30 ref.) **(Chi)**

[Autoimmune Menière's disease: current concept] Portmann D. **Rev Laryngol Otol Rhinol (Bord)** 1991;112(2):121–3 (27 ref.) (Eng. Abstr.) **(Fre)**

[Type I diabetes mellitus and autoimmunity. Description of 9 clinical cases] Farias M, et al. **Minerva Med** 1990 Jul–Aug; 81(7–8 Suppl):9–16 (19 ref.) (Eng. Abstr.) **(Ita)**

[Diet and autoimmunity] Danieli MG, et al. **Recenti Prog Med** 1990 Jul–Aug;81(7–8):532–8 (40 ref.) (Eng. Abstr.) **(Ita)**

BLOOD

Red blood cell molecular abnormalities in non haematological diseases. De Sandre G, et al. **Haematologica** 1990 Sep–Oct; 75(5):447–53 (66 ref.)

CEREBROSPINAL FLUID

T lymphocytes in the cerebrospinal fluid of patients with multiple sclerosis. Rotteveel FT, et al. **Immunol Res** 1990; 9(4):287–97 (84 ref.)

CHEMICALLY INDUCED

The molecular basis of halothane-induced hepatitis. Kenna JG. **Biochem Soc Trans** 1991 Feb;19(1):191–5 (21 ref.)

Immune haemolytic anaemia and thrombocytopenia: drugs and autoantibodies. Murphy WG, et al. **Biochem Soc Trans** 1991 Feb;19(1):183–6 (16 ref.)

Drug-induced autoimmunity: a disorder at the interface between metabolism and immunity. Rubin RL, et al. **Biochem Soc Trans** 1991 Feb;19(1):153–9 (37 ref.)

CLASSIFICATION

Biochemical differentiation of types of pemphigus. Eyre RW, et al. **Immunol Ser** 1989;46:317–31 (36 ref.)

COMPLICATIONS

Psychogenic purpura (autoerythrocyte sensitization): an unsolved dilemma. Ratnoff OD. **Am J Med** 1989 Sep; 87(3N):16N–21N (48 ref.)

Extrathymic malignancy in patients with myasthenia gravis. Monden Y, et al. **Eur J Cancer** 1991;27(6):745–7 (15 ref.)

HIV-related thrombocytopenia. Oksenhendler E, et al. **Immunodefic Rev** 1990;2(3):221–31 (47 ref.)

Peripheral uveitis: an infectious etiology? Sanders RJ, et al. **Int Ophthalmol Clin** 1990 Fall;30(4):318–21 (40 ref.)

Autoimmunity and malignancy. Younus J, et al. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 1):720–3 (32 ref.)

Acute autonomic neuropathy associated with a high serum bradykinin level and positive anti-nuclear and anti-DNA antibodies titers. Otokida K, et al. **Jpn J Med** 1990 Sep–Oct; 29(5):560–5 (13 ref.)

[Lymph node toxoplasmosis, recurrent autoimmune thrombopenia and Hodgkin's disease (letter)] Hauteville D, et al. **Ann Med Interne (Paris)** 1990;141(8):710–2 (15 ref.) **(Fre)**

[A case of autoimmune hepatitis developing simultaneously with exacerbation of Felty's syndrome] Kaise M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Sep;87(9):1893–6 (6 ref.) **(Jpn)**

[Interactions between the reproductive and immune systems] Kurpisz M. **Postepy Hig Med Dosw** 1989;43(5–6):365–409 (155 ref.) (Eng. Abstr.) **(Pol)**

[Gastric carcinoid polyp and type A atrophic gastritis] Vareal E, et al. **An Med Interna** 1989 May;6(5):249–51 (13 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Stiff-person syndrome: an autoimmune disease. Blum P, et al. **Mov Disord** 1991;6(1):12–20 (40 ref.)

[Pulmonary renal syndrome. Favorable prognosis of immunologically mediated diseases through adequate diagnosis and therapy] Heidbreder E, et al. **Dtsch Med Wochenschr** 1991 Feb 8;116(6):223–9 (38 ref.) **(Ger)**

[Cogan syndrome. Case report, review of the literature, therapy] Wilder-Smith E, et al. **Laryngorhinootologie** 1991 Feb;70(2):90–2 (16 ref.) (Eng. Abstr.) **(Ger)**

[Autoantibodies as specific markers for autoimmune diseases] Ben-Chetrit E. **Harefuah** 1990 Aug;119(3–4):82–5 (38 ref.) **(Heb)**

[Immune neutropenias of infancy and childhood—update on diagnosis and treatment] Israeli S, et al. **Harefuah** 1990 Jul; 119(1–2):23–5 (36 ref.) **(Heb)**

[Wegener's granulomatosis] Gina R, et al. **Pol Tyg Lek** 1990 Nov 19–26;45(47–48):971–3 (31 ref.) **(Pol)**

DIET THERAPY

Dietary treatment of immunologically mediated renal disease. Schreiner GF. **Kidney Int Suppl** 1991 Apr;31:S49–56 (117 ref.)

Nutritional modulation of murine models of autoimmunity. Keen CL, et al. **Rheum Dis Clin North Am** 1991 May; 17(2):223–34 (71 ref.)

Alleviation of autoimmune disease by dietary lipids containing omega-3 fatty acids. Robinson DR. **Rheum Dis Clin North Am** 1991 May;17(2):213–22 (18 ref.)

DRUG THERAPY

Leflunomide (HWA 486), a novel immunomodulating compound for the treatment of autoimmune disorders and reactions leading to transplantation rejection. Bartlett RR, et al. **Agents Actions** 1991 Jan;32(1–2):10–21 (44 ref.)

Cyclosporine monitoring in autoimmune and other diseases. Ludwin D. **Clin Biochem** 1991 Feb;24(1):97–9 (24 ref.)

Mechanism of action of cyclosporin A and rationale for use in nephrotic syndrome. Borel JF. **Clin Nephrol** 1991;35 Suppl 1:S23–30 (35 ref.)

Practicalities of lipids: ICU patient, autoimmune disease, and vascular disease. Sax HC. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):223S–225S (29 ref.)

Immunosuppressive drugs in immune and inflammatory ocular disease [published erratum appears in Surv Ophthalmol 1991 May–Jun;35(6):475] Hemady R, et al. **Surv Ophthalmol** 1991 Mar–Apr;35(5):369–85 (227 ref.)

[Corticosteroid therapy of various systemic diseases (non-neoplastic, noninfectious)] Sternon J, et al. **Rev Med Brux** 1991 May;12(5):179–85 (17 ref.) (Eng. Abstr.) **(Fre)**

[Mechanism of action and therapeutic use of cyclosporin A. Experimental and clinical experiences in dermatology] Laub R. **Dermatol Monatsschr** 1990;176(5–6):281–91 (55 ref.) (Eng. Abstr.) **(Ger)**

[Cyclosporin A: possible use in Crohn disease] Müller MK. **Z Gastroenterol Verh** 1991 Mar;26:152–3 (18 ref.) **(Ger)**

[The application of photopheresis in the therapy of cancerous and autoimmune diseases] Dall'Amico R, et al. **Recenti Prog Med** 1991 May;82(5):294–9 (15 ref.) (Eng. Abstr.) **(Ita)**

[Immunomodulating therapy of rheumatoid arthritis] Balabanova RM, et al. **Revmatologiia (Mosk)** 1990 Jul–Sep; (3):38–44 (80 ref.) **(Rus)**

[Immunosuppressive therapy of various autoimmune diseases of the nervous system] Neretin VIa, et al. **Sov Med** 1990; (12):31–5 (39 ref.) **(Rus)**

ETIOLOGY

Retrograde axonal transport and transcytosis of immunoglobulins: implications for the pathogenesis of autoimmune motor neuron disease. Fabian RH. **Adv Neurol** 1991;56:433–44 (60 ref.)

Pathogenetic aspects of organ-specific autoimmunity. Ricci M. **Ann Ital Med Int** 1988;3 Suppl 1:71–82 (38 ref.)

Immune hormones (cytokines); pathogenic role in autoimmune rheumatic and endocrine diseases. Bendtzen K. **Autoimmunity** 1989;2(2):177–89 (40 ref.)

Etiologic factors and pathogenetic aspects of organ-specific autoimmune diseases. Essential role of autoreactive T cells and lymphokine network in the activation of effector systems responsible for tissue lesions. Ricci M, et al. **Autoimmunity** 1989;2(4):331–44 (58 ref.)

The primary lesion theory of autoimmunity: a speculative hypothesis. Wilkin TJ. **Autoimmunity** 1990;7(4):225–35 (39 ref.)

The immune response to mycobacterial heat shock proteins. Young DB. **Autoimmunity** 1990;7(4):237–44 (30 ref.)

Heat-shock proteins as antigens in autoimmunity. van Eden W, et al. **Biochem Soc Trans** 1991 Feb;19(1):171–5 (35 ref.)

The role of viruses and environmental factors in the induction of diabetes. Yoon JW. **Curr Top Microbiol Immunol** 1990; 164:95–123 (157 ref.)

Cytokine assays: role in evaluation of the pathogenesis of autoimmunity. Feldmann M, et al. **Immunol Rev** 1991 Feb; 119:105–23 (43 ref.)

Autoimmune myocarditis: a murine model. Beisel KW, et al. **Immunol Ser** 1990;52:267–93 (84 ref.)

Human autoimmune thyroid disease: risk factors. Burek CL, et al. **Immunol Ser** 1990;52:169–90 (85 ref.)

Elucidating the pathogenesis of autoimmune disease: recent advances at the molecular level and relevance to oral mucosal disease. Jonsson R, et al. **J Oral Pathol Med** 1990 Sep;19(8):341–50 (82 ref.)

Animal models of picornavirus-induced autoimmune disease: their possible relevance to human disease. Craighead JE, et al. **Lab Invest** 1990 Oct;63(4):432–46 (225 ref.)

T cell recognition of stress proteins. A link between infectious and autoimmune disease. Lamb JR, et al. **Mol Biol Med** 1990 Aug;7(4):311–21 (69 ref.)

S-antigen: molecular mimicry may play a role in autoimmune uveitis. Shinohara T, et al. **Prog Clin Biol Res** 1991; 362:163–90 (67 ref.)

Prolactin, immunoregulation, and autoimmune diseases. Jara LJ, et al. **Semin Arthritis Rheum** 1991 Apr;20(5):273–84 (93 ref.)

[Idiopathic Addison disease and autoimmune polyendocrinopathy] Keil I, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):147–52 (15 ref.) **(Ger)**

[The role of cellular immunity in the pathogenesis of glomerulonephritis] Kacprzyk F, et al. **Postepy Hig Med Dosw** 1989;43(2–4):199–212 (82 ref.) (Eng. Abstr.) **(Pol)**

[Surface antigens of male germ cells—their identification and functional analysis] Kurpisz M. **Postepy Hig Med Dosw** 1990;44(1–3):1–19 (85 ref.) (Eng. Abstr.) **(Pol)**

[Immunochemistry of eukaryotic ribosomes] Lopaczyński W, et al. **Postepy Hig Med Dosw** 1990;44(1–3):21–39 (99 ref.) (Eng. Abstr.) **(Pol)**

[Neuro-psychiatric symptoms in systemic lupus erythematosus] Kowal-Gierczak B, et al. **Psychiatr Pol** 1990 May–Jun;24(3):225–30 (36 ref.) **(Pol)**

[Immunogenetic factors in the pathogenesis of autoimmune diseases of the endocrine glands] Kuz'menko AP, et al. **Probl Endokrinol (Mosk)** 1991 Jan–Feb;37(1):59–63 (57 ref.) **(Rus)**

GENETICS

Mutagenesis and expression of putative class II susceptibility genes: a "reverse immunogenetics" approach to analysis of HLA and disease. Nepom GT. **Autoimmunity** 1990; 7(2–3):189–99 (46 ref.)

Genes beneficial in autoimmune disease. Mitchison NA. **Br J Rheumatol** 1991;30 Suppl 1:38–42 (11 ref.)

Immunogenetics of autoantibodies and autoimmune diseases. Olsen NJ, et al. **Curr Opin Rheumatol** 1991 Jun;3(3):391–7 (28 ref.)

Islet transplantation to study autoimmune pathogenesis of diabetes in BB rat. Markmann JF, et al. **Horm Metab Res Suppl** 1990;25:116–9 (10 ref.)

Central MHC genes, IgA deficiency and autoimmune disease [see comments] French MA, et al. **Immunol Today** 1990 Aug;11(8):271–4 (52 ref.) Comment in: Immunol Today 1991 Apr;12(4):134–6.

Genetic variation in the stress response: susceptibility to experimental allergic encephalomyelitis and implications for human inflammatory disease. Mason D. **Immunol Today** 1991 Feb;12(2):57–60 (39 ref.)

Pemphigus in families. Feinstein A, et al. **Int J Dermatol** 1991 May;30(5):347–51 (34 ref.)

Anti-DNA antibodies, autoimmunity and the immunoglobulin repertoire. Barrett KJ. **Int Rev Immunol** 1989;5(1):43–78 (218 ref.)

Immunogenetical penetrance in patients with primary biliary cirrhosis. Shibasaki T, et al. **Jpn J Med** 1990 Sep–Oct; 29(5):533–6 (14 ref.)

HISTORY

The discovery of thyroid autoimmunity. Rose NR. **Immunol Today** 1991 May;12(5):167–8 (3 ref.)

IMMUNOLOGY

Immunology and clinical importance of antiphospholipid antibodies. McNeil HP, et al. **Adv Immunol** 1991;49:193–280 (401 ref.)

Association between disturbances in the immune system and hypertension. Khraibi AA. **Am J Hypertens** 1991 Jul;4(7 Pt 1):635–41 (47 ref.)

Possible chronological events leading to pancreatic beta cell damage in type I diabetes mellitus. Bottazzo GF, et al. **Ann Ital Med Int** 1988;3 Suppl 1:53–9 (34 ref.)

Systemic lupus erythematosus: recent developments. Marmont AM, et al. **Ann Ital Med Int** 1988;3 Suppl 1:38–52 (97 ref.)

Myasthenia gravis. Newsom-Davis J. **Ann Ital Med Int** 1988; 3 Suppl 1:32–7 (33 ref.)

Autoantibodies and antibacterial antibodies: from both sides now. Watts RA, et al. **Ann Rheum Dis** 1990 Dec; 49(12):961–5 (73 ref.)

Stress proteins and the immune response. Young DB. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):203–8 (28 ref.)

A potential role for microbial superantigens in the pathogenesis of systemic autoimmune disease. Friedman SM, et al. **Arthritis Rheum** 1991 Apr;34(4):468–80 (95 ref.)

Autoimmune angioedema: a new role for autoantibody in disease pathogenesis. Jackson J, et al. **Autoimmunity** 1990; 7(2–3):181–7 (22 ref.)

Cytokines as immune effector molecules in autoimmune endocrine diseases with special reference to insulin-dependent diabetes mellitus. Mandrup-Poulsen T, et al. **Autoimmunity** 1989;4(3):191–218; discussion 219–34 (183 ref.)

The immunoregulatory disturbance in autoimmune thyroid disease. Volpé R. **Autoimmunity** 1988;2(1):55–72 (86 ref.)

Antibodies to intracellular antigens in systemic autoimmune disease. Bernstein RM. **Biochem Soc Trans** 1991 Feb; 19(1):159–64 (29 ref.)

Unresolved questions in clinical T cell vaccination. Cohen IR. **Br J Rheumatol** 1991;30 Suppl 2:17–9 (14 ref.)

Heterogeneity of T cell repertoires in human autoimmune disease. Steinmetz M, et al. **Br J Rheumatol** 1991;30 Suppl 2:24–7 (16 ref.)

Self-tolerance and autoimmunity. Kronenberg M. **Cell** 1991 May 17;65(4):537–42 (29 ref.)

Autoantibodies to the TSH receptor in patients with autoimmune thyroid disease. McGregor AM. **Clin Endocrinol (Oxf)** 1990 Dec;33(6):683–5 (19 ref.)

HLA class III molecules and autoimmune rheumatic diseases. Arnett FC, et al. **Clin Exp Rheumatol** 1991 May–Jun; 9(3):289–96 (77 ref.)

The P. Rambotti Lecture. Biology of autoimmunity: a review. Christian CL. **Clin Exp Rheumatol** 1991 May–Jun; 9(3):213–9 (64 ref.)

CD5+ B cells in autoimmune disease and lymphoid malignancy. Shirai T, et al. **Clin Immunol Immunopathol** 1991 May;59(2):173–86 (80 ref.)

Autoimmune diseases and HLA [published erratum appears in Crit Rev Immunol 1991;10(5):454] Nelson JL, et al. **Crit Rev Immunol** 1990;10(4):307–28 (220 ref.)

The recognition of self-antigens and autoimmune disease. Smith SC, et al. **Curr Opin Immunol** 1991 Feb;3(1):22–5 (29 ref.)

The 64-kDa beta cell membrane autoantigen and other target molecules of humoral autoimmunity in insulin-dependent diabetes mellitus. Sigurdsson E, et al. **Curr Top Microbiol Immunol** 1990;164:143–68 (133 ref.)

Stress proteins, autoimmunity, and autoimmune disease. Winfield JB, et al. **Curr Top Microbiol Immunol** 1991; 167:161–89 (285 ref.)

Acquired epidermolysis bullosa. A bullous disease associated with autoimmunity to type VII (anchoring fibril) collagen. Woodley DT, et al. **Dermatol Clin** 1990 Oct;8(4):717–26 (42 ref.)

Primary biliary cirrhosis: paradigm or paradox for autoimmunity. Gershwin ME, et al. **Gastroenterology** 1991 Mar;100(3):822–33 (90 ref.)

Are the inflammatory bowel diseases autoimmune disorders? Snook J. **Gut** 1990 Sep;31(9):961–3 (41 ref.)

Immunology and the liver. Peters M, et al. **Hepatology** 1991 May;13(5):977–94 (114 ref.)

T-cell receptor and autoimmune disease. Komori S, et al. **Immunol Res** 1990;9(4):245–64 (156 ref.)

T cell regulation in autoimmune arthritis: possibilities for immunological intervention. van Eden W. **Immunol Res** 1990;9(3):157–63 (20 ref.)

Type II collagen autoimmunity in animals and provocations leading to arthritis. Holmdahl R, et al. **Immunol Rev** 1990 Dec;118:193–232 (149 ref.)

Speculations on mechanisms of HLA associations with autoimmune diseases and the specificity of "autoreactive" T lymphocytes. Möller E, et al. **Immunol Rev** 1990 Dec; 118:5–19 (51 ref.)

Theoretical and experimental approaches to generalized autoimmunity. Steinberg AD, et al. **Immunol Rev** 1990 Dec; 118:129–63 (101 ref.)

In vivo studies of antibody dependent acantholysis. Anhalt GJ, et al. **Immunol Ser** 1989;46:291–316 (66 ref.)

Immune complex and complement-mediated leukocyte recruitment in bullous pemphigoid. Gammon WR. **Immunol Ser** 1989;46:509–25 (30 ref.)

In vitro studies of acantholysis of keratinocytes induced by pemphigus antibody. Hashimoto KH, et al. **Immunol Ser** 1989;46:277–90 (61 ref.)

Antinuclear antibodies in systemic lupus erythematosus. Provost TT, et al. **Immunol Ser** 1989;46:333–57 (66 ref.)

HLA and autoimmune diseases. Scholz SG, et al. **Immunol Ser** 1990;52:11–23 (28 ref.)

Autoimmune diseases of the neuroimmune system and mental disease. Steiner I, et al. **Immunol Ser** 1989;45:491–511 (169 ref.)

Autoimmune aspects of demyelinating diseases. Swanborg RH. **Immunol Ser** 1990;52:155–67 (71 ref.)

Astrocytes: auxiliary cells for immune responses in the central nervous system? Hertz L, et al. **Immunol Today** 1990 Aug; 11(8):265–8 (0 ref.)

Autoimmunity to lysosomal enzymes: new clues to vasculitis and glomerulonephritis? Kallenberg CG, et al. **Immunol Today** 1991 Feb;12(2):61–4 (42 ref.)

The dissection of experimental autoimmune uveoretinitis [news] Ohno S, et al. **Immunol Today** 1990 Aug;11(8):268–9 (0 ref.)

Thyroid-associated ophthalmopathy—a model for the association of organ-specific autoimmune disorders. Wall JR, et al. **Immunol Today** 1991 May;12(5):150–3 (31 ref.)

Antineutrophil cytoplasmic autoantibodies: disease associations, molecular biology, and pathophysiology. Jennette JC, et al. **Int Rev Exp Pathol** 1991;32:193–221 (37 ref.)

Pathogenic subsets of antibodies to DNA. Ebling FM, et al. **Int Rev Immunol** 1989;5(1):79–95 (98 ref.)

Myasthenia gravis: prototype of the antireceptor autoimmune diseases. Schönbeck S, et al. **Int Rev Neurobiol** 1990; 32:175–200 (175 ref.)

Autoimmune encephalomyelitis and the connection between the nervous and immune systems. Abramsky O, et al. **Isr J Med Sci** 1990 Dec;26(12):686–8 (23 ref.)

A heat shock protein, molecular mimicry and autoimmunity. Cohen IR. **Isr J Med Sci** 1990 Dec;26(12):673–6 (21 ref.)

The importance of HLA–DR in autoimmune diseases. Klajman A, et al. **Isr J Med Sci** 1990 Dec;26(12):691–2 (11 ref.)

Immunoregulation of autoimmune diseases. Mozes E, et al. **Isr J Med Sci** 1990 Dec;26(12):688–90 (15 ref.)

Is schizophrenia an autoimmune disease? Sirota P. **Isr J Med Sci** 1990 Dec;26(12):694–7 (27 ref.)

T cell regulation of autoimmune interstitial nephritis. Kelly CJ. **J Am Soc Nephrol** 1990 Aug;1(2):140–9 (58 ref.)

Epidermolysis bullosa acquisita: a disease of autoimmunity to type VII collagen. Gammon WR. **J Autoimmun** 1991 Feb;4(1):59–71 (37 ref.)

Role of testicular autoantigens and influence of lymphokines in testicular autoimmune disease. Yule TD, et al. **J Reprod Immunol** 1990 Aug;18(1):89–103 (35 ref.)

ANCA-associated renal disease [clinical conference] Falk RJ. **Kidney Int** 1990 Nov;38(5):998–1010 (69 ref.)

Molecular pathology of type 1 diabetes. Campbell IL, et al. **Mol Biol Med** 1990 Aug;7(4):299–309 (66 ref.)

Atypical antiglomerular basement membrane disease associated with thin membrane nephropathy. de Caestecker MP, et al. **Nephrol Dial Transplant** 1990;5(11):909–13 (25 ref.)

Natural anti-Gal antibodies prevent, rather than cause, autoimmunity in human Chagas' disease. Gazzinelli RT. **Res Immunol** 1991 Feb;142(2):164–7 (18 ref.)

Potential role of gamma delta T cells in autoimmune diseases. Holoshitz J. **Res Immunol** 1990 Sep;141(7):651–7 (53 ref.)

Origin and significance of anti-heart and anti-skeletal muscle autoantibodies in Chagas' disease. Laguens RP, et al. **Res Immunol** 1991 Feb;142(2):160–3 (17 ref.)

Molecular mimicry and Chagas' heart disease: high anti-R–13 autoantibody levels are markers of severe Chagas heart complaint. Levin MJ. **Res Immunol** 1991 Feb;142(2):157–9 (15 ref.)

Antigens of Trypanosoma cruzi that mimic mammalian nervous tissues: investigations of their role in the autoimmune pathophysiology of chronic Chagas' disease. Petry K, et al. **Res Immunol** 1991 Feb;142(2):151–6 (27 ref.)

Role of autoreactive immunological mechanisms in chagasic carditis. Ribeiro-dos-Santos R, et al. **Res Immunol** 1991 Feb;142(2):134–7 (12 ref.)

Structure of class-I MHC molecules: HLA-B27 and disease. Parham P. **Scand J Rheumatol Suppl** 1990;87:11–20 (26 ref.)

Clonality in autoimmune diseases. Viard JP, et al. **Semin Hematol** 1991 Jan;28(1):57–65 (68 ref.)

Heat shock proteins and autoimmunity. Gaston JS. **Semin Immunol** 1991 Jan;3(1):35–42 (58 ref.)

Mechanisms of glomerular injury: injury mediated by sensitized lymphocytes. Bolton WK. **Semin Nephrol** 1991 May;11(3):285–93 (60 ref.)

Glomerular injury induced by antibody and complement. Quigg RJ. **Semin Nephrol** 1991 May;11(3):259–67 (89 ref.)

Role of the immune system in interstitial cystitis. Stone AR, et al. **Semin Urol** 1991 May;9(2):108–14 (51 ref.)

Molecular analysis of the pathogenesis of beta-cell destruction in insulin-dependent diabetes mellitus. Lernmark A, et al. **West J Med** 1990 Nov;153(5):499–502 (26 ref.)

[Amyotrophic lateral sclerosis: an autoimmune disease?] Hansen PR, et al. **Ugeskr Laeger** 1991 Feb 18;153(8):565–6 (30 ref.) (Eng. Abstr.) **(Dan)**

[Antibodies which block thyroid function: current concept of thyroid autoimmunity] Bonnyns M, et al. **Acta Clin Belg** 1990;45(4):223–6 (22 ref.) **(Fre)**

[Type 1 diabetes mellitus, autoimmune disease: physiopathologic aspects and practical applications] Timsit J, et al. **Ann Biol Clin (Paris)** 1991;49(3):149–53 (36 ref.) (Eng. Abstr.) **(Fre)**

[Immune neonatal thrombocytopenia] Tchernia G, et al. **Arch Fr Pediatr** 1991 May;48(5):355–61 (47 ref.) **(Fre)**

[Significance of autoimmunity in various forms of uveitis] Zierhut M, et al. **Klin Monatsbl Augenheilkd** 1991 Mar; 198(3):165–73 (102 ref.) (Eng. Abstr.) **(Ger)**

[What is the role of autoimmune processes in nephropathies?] Ehrich JH, et al. **Monatsschr Kinderheilkd** 1990 Nov; 138(11):724–9 (32 ref.) (Eng. Abstr.) **(Ger)**

[Anti-Gm1 antibodies in motor system diseases and neuropathies] Thomas FP. **Nervenarzt** 1990 Dec; 61(12):704–10 (90 ref.) (Eng. Abstr.) **(Ger)**

[Current overview of diagnostic possibilities of complement analysis] Nydegger U. **Wien Med Wochenschr Suppl** 1990; 107:12–22 (3 ref.) (Eng. Abstr.) **(Ger)**

[Functional disorders of the immune system] Schmolke B. **Z Lymphol** 1990 Aug;14(1):1–16 (7 ref.) (Eng. Abstr.) **(Ger)**

[Streptococci, molecular mimicry and APO titer] Fantini F. **Boll Ist Sieroter Milan** 1989;68(2):108–14 (21 ref.) **(Ita)**

[Multiple sclerosis—an immunological disease] Vedeler CA. **Tidsskr Nor Laegeforen** 1991 Mar 20;111(8):944–7 (13 ref.) (Eng. Abstr.) **(Nor)**

[Autoimmune thyroid diseases—cell mediated immunity] Bachowska E. **Postepy Hig Med Dosw** 1990;44(4–6):235–45 (44 ref.) (Eng. Abstr.) **(Pol)**

[Cellular immunity in autoimmune diseases] Karaulov AV, et al. **Ter Arkh** 1991;63(4):147–50 (70 ref.) **(Rus)**

[Antiphospholipid syndrome and cardiovascular disease] García Bolao JI, et al. **Rev Med Univ Navarra** 1990 Jul–Sep; 34(3):151–5 (45 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

Oestrogens, joint disease, and cartilage. Chander CL, et al. **Ann Rheum Dis** 1991 Mar;50(3):139–40 (23 ref.)

Eicosanoid biosynthesis and role in renal immune injury. Lianos EA. **Prostaglandins Leukot Essent Fatty Acids** 1990 Sep;41(1):1–12 (89 ref.)

PATHOLOGY

Lymphocytic hypophysitis. The clinical spectrum of the disorder and evidence for an autoimmune pathogenesis [see comments] Pestell RG, et al. **Clin Endocrinol (Oxf)** 1990 Oct;33(4):457–66 (28 ref.) Comment in: Clin Endocrinol (Oxf) 1991 May;34(5):429–30.

Mechanisms of cutaneous tissue damage in lupus erythematosus. Lee LA, et al. **Immunol Ser** 1989;46:359–86 (86 ref.)

Is pemphigus an anti-adhering junction autoimmune disease? Stanley JR. **J Dermatol Sci** 1990 Jul;1(4):237–43 (35 ref.)

PHYSIOPATHOLOGY

Oncogenes, growth factors, and autoimmune diseases (review). Sibbitt WL Jr. **Anticancer Res** 1991 Jan–Feb; 11(1):97–113 (184 ref.)

Autoantibody-facilitated proteolytic cleavage: a new pathogenic mechanism in autoimmunity. Jackson J. **Biochem Soc Trans** 1991 Feb;19(1):176–80 (32 ref.)

Animal models of age-related dementia: neurobehavioral dysfunctions in autoimmune mice. Forster MJ, et al. **Brain Res Bull** 1990 Sep;25(3):503–16 (153 ref.)

Immunology of diabetic and polyglandular neuropathy. Rabinowe SL. **Diabetes Metab Rev** 1990 Dec;6(3):169–88 (169 ref.)

Hypothesis: antigen-specific T cells prime central nervous system endothelium for recruitment of nonspecific inflammatory cells to effect autoimmune demyelination. Cross AH, et al. **J Neuroimmunol** 1991 Sep;33(3):237–44 (45 ref.)

Interferon-gamma and the sexual dimorphism of autoimmunity. Sarvetnick N, et al. **Mol Biol Med** 1990 Aug; 7(4):323–31 (66 ref.)

The natural history of autoimmune thyroid disease. Volpé R. **Thyroidol Clin Exp** 1988 Apr;(1):13–20 (50 ref.)

RADIOTHERAPY

[Total lymph node irradiation for the treatment of autoimmune diseases] Valls A, et al. **Med Clin (Barc)** 1991 Feb 2;96(4):146–51 (97 ref.) **(Spa)**

THERAPY

The development of rational strategies for selective immunotherapy against autoimmune demyelinating disease. Steinman L. **Adv Immunol** 1991;49:357–79 (64 ref.)

High dose intravenous gammaglobulins in autoimmune disorders: mode of action and therapeutic uses. Etzioni A, et al. **Autoimmunity** 1989;3(4):307–15 (65 ref.)

Mechanisms of action of intravenous immunoglobulin therapy and potential use in autoimmune connective tissue diseases. Ballow M. **Cancer** 1991 Sep 15;68(6 Suppl):1430–6 (42 ref.)

Immune thrombocytopenic purpura and intravenous immunoglobulin. Imbach P. **Cancer** 1991 Sep 15;68(6 Suppl):1422–5 (29 ref.)

Autoimmune diabetes in the nonobese diabetic mouse: suppression of immune defects by bone marrow transplantation and implications for therapy. Leiter EH, et al. **Clin Immunol Immunopathol** 1991 Jun;59(3):323–34 (36 ref.)

Synergy between plasma exchange and intravenous immunoglobulin. Nydegger UE, et al. **Curr Stud Hematol Blood Transfus** 1990;(57):31–50 (91 ref.)

Plasma exchange in idiopathic thrombocytopenic purpura. Williams C, et al. **Curr Stud Hematol Blood Transfus** 1990; (57):131–51 (58 ref.)

Tolerance and suppressor mechanisms in experimental autoimmune encephalomyelitis: implications for immunotherapy of human autoimmune diseases. Miller A, et al. **FASEB J** 1991 Aug;5(11):2560–6 (94 ref.)

Antigen recognition and peptide-mediated immunotherapy in autoimmune disease. Smilek DE, et al. **Immunol Rev** 1990 Dec;118:37–71 (150 ref.)

Treatment of autoimmune disease with monoclonal anti-CD4 antibodies. Waldor MK. **Immunol Ser** 1989;45:573–86 (27 ref.)

Could specific oral tolerance be a therapy for autoimmune disease? Thompson HS, et al. **Immunol Today** 1990 Nov; 11(11):396–9 (57 ref.)

The use of monoclonal antibodies for treatment of autoimmune disease. Steinman L. **J Clin Immunol** 1990 Nov;10(6 Suppl):30S–38S; discussion 38S–39S (21 ref.)
Immunotoxins: new therapeutic reagents for autoimmunity, cancer, and AIDS. Vitetta ES. **J Clin Immunol** 1990 Nov; 10(6 Suppl):15S–18S (42 ref.)
Development of antigen-specific therapies for autoimmune disease. Steinman L. **Mol Biol Med** 1990 Aug;7(4):333–9 (44 ref.)
Recommendations for the evaluation and treatment of neonatal autoimmune and alloimmune thrombocytopenia. The Working Party on Neonatal Immune Thrombocytopenia of the Neonatal Hemostasis Subcommittee of the Scientific and Standardization Committee of the ISTH. Bussel J, et al. **Thromb Haemost** 1991 May 6;65(5):631–4 (38 ref.)
[Therapy with immunoglobulins] Müller E, et al. **Immun Infekt** 1990 Oct;18(5):162–3 (12 ref.) (Eng. Abstr.) **(Ger)**
[Pregnancy complicated with autoimmune diseases] Terao T. **Nippon Sanka Fujinka Gakkai Zasshi** 1990 Aug; 42(8):861–6 (0 ref.) (Eng. Abstr.) **(Jpn)**
[Immunological aspects of the treatment of various forms of Alzheimer's disease] Leszek J, et al. **Psychiatr Pol** 1989 Sep–Dec;23(5–6):373–8 (40 ref.) **(Pol)**

AUTOIMMUNE THYROIDITIS see **THYROIDITIS, AUTOIMMUNE**

AUTOIMMUNITY

see related
AUTOANTIBODIES
AUTOIMMUNE DISEASES

Production of transgenic mice and application to immunology and autoimmunity. Mountz JD, et al. **Am J Med Sci** 1990 Nov;300(5):322–9 (23 ref.)
Autoimmunity and reproductive failure. Gleicher N. **Ann N Y Acad Sci** 1991;626:537–44 (34 ref.)
Stress proteins and the immune response. Young DB. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):203–8 (28 ref.)
Transfection of genes for cell surface products involved in antigen presentation--applications to the understanding of autoimmunity. Altmann DM, et al. **Autoimmunity** 1990; 7(2–3):213–20 (45 ref.)
Cutaneous autoimmunity. Gawkrodger DJ. **Autoimmunity** 1989;3(3):213–33 (40 ref.)
AIDS and autoimmunity. Malatzky-Goshen E, et al. **Autoimmunity** 1989;3(3):201–12 (101 ref.)
Autoimmunity: attack, or defence? (The case for a primary lesion theory). Wilkin T. **Autoimmunity** 1989;3(1):57–73 (94 ref.)
The primary lesion theory of autoimmunity: a speculative hypothesis. Wilkin TJ. **Autoimmunity** 1990;7(4):225–35 (39 ref.)
Heat-shock proteins as antigens in autoimmunity. van Eden W, et al. **Biochem Soc Trans** 1991 Feb;19(1):171–5 (35 ref.)
Autoimmunity to acetylcholine receptors in myasthenia gravis. Vincent A. **Biochem Soc Trans** 1991 Feb;19(1):180–3 (22 ref.)
Self-tolerance and autoimmunity. Kronenberg M. **Cell** 1991 May 17;65(4):537–42 (29 ref.)
The P. Rambotti Lecture. Biology of autoimmunity: a review. Christian CL. **Clin Exp Rheumatol** 1991 May–Jun; 9(3):213–9 (64 ref.)
Autoimmunity to sperm antigens. Raghupathy R, et al. **Curr Opin Immunol** 1989–90;2(5):757–60 (17 ref.)
The recognition of self-antigens and autoimmune disease. Smith SC, et al. **Curr Opin Immunol** 1991 Feb;3(1):22–5 (29 ref.)
Stress proteins, autoimmunity, and autoimmune disease. Winfield JB, et al. **Curr Top Microbiol Immunol** 1991; 167:161–89 (285 ref.)
Human anti-DNA idiotype (16/6 idiotype): pathogenic role in autoimmunity. Abu-Shakra M, et al. **Hum Antibodies Hybridomas** 1990;1(1):10–4 (47 ref.)
Transgenic mice as an in vivo model for self-reactivity. Ferrick DA, et al. **Immunol Rev** 1990 Dec;118:257–83 (40 ref.)
Self-reactive gamma delta T lymphocytes: implications for T-cell ontogeny and reactivity. Ferrick DA, et al. **Immunol Rev** 1991 Apr;120:51–69 (73 ref.)
Type II collagen autoimmunity in animals and provocations leading to arthritis. Holmdahl R, et al. **Immunol Rev** 1990 Dec;118:193–232 (149 ref.)
Autoimmunity to collagen II and myelin basic protein: comparative studies in humans and rodents. Klareskog L, et al. **Immunol Rev** 1990 Dec;118:285–310 (114 ref.)
Transgenic models of T-cell self tolerance and autoimmunity. Miller JF, et al. **Immunol Rev** 1990 Dec;118:21–35 (55 ref.)
Theoretical and experimental approaches to generalized autoimmunity. Steinberg AD, et al. **Immunol Rev** 1990 Dec; 118:129–63 (101 ref.)
Autoimmunity in diabetes mellitus and polyendocrine syndromes: current concepts of pathogenesis and etiology. Bigazzi PE. **Immunol Ser** 1990;52:295–322 (103 ref.)
Tolerance and autoimmunity. Patrick CC, et al. **Immunol Ser** 1990;50:415–33 (7 ref.)
Autoimmunity in syphilis. Wicher K, et al. **Immunol Ser** 1990; 52:101–24 (108 ref.)
Autoimmunity, microbial immunity and the immunological homunculus. Cohen IR, et al. **Immunol Today** 1991 Apr; 12(4):105–10 (75 ref.)
TH2 cells in systemic autoimmunity: insights from allogeneic diseases and chemically-induced autoimmunity. Goldman M, et al. **Immunol Today** 1991 Jul;12(7):223–7 (58 ref.)
Autoimmunity in periodontal disease. Anusaksathien O, et al. **J Oral Pathol Med** 1991 Mar;20(3):101–7 (89 ref.)
Interferon-gamma and the sexual dimorphism of autoimmunity. Sarvetnick N, et al. **Mol Biol Med** 1990 Aug; 7(4):323–31 (66 ref.)
Multiple-antigen-mediated autoimmunity (MAMA) in AIDS: a possible model for postinfectious autoimmune complications. Root-Bernstein RS. **Res Immunol** 1990 May–Jun;141(4–5):321–39 (88 ref.)
Heat shock proteins and autoimmunity. Gaston JS. **Semin Immunol** 1991 Jan;3(1):35–42 (58 ref.)
[Pemphigoid gestationis: a single model of organ specific auto-immunity] Claudy AL. **Ann Dermatol Venereol** 1991; 118(4):323–7 (40 ref.) **(Fre)**

DRUG EFFECTS

Emerging indications for the use of cyclosporin in organ transplantation and autoimmunity. Keown PA. **Drugs** 1990 Sep;40(3):315–25 (80 ref.)

GENETICS

Transgenic mouse models of self-tolerance and autoreactivity by the immune system. Hanahan D. **Annu Rev Cell Biol** 1990;6:493–537 (112 ref.)
Transgenic models of tolerance and autoimmunity. Miller JF, et al. **Autoimmunity** 1989;4(4):299–314 (57 ref.)
Autoimmune states. Fischbach M, et al. **Immunol Ser** 1989; 43:237–55 (112 ref.)
Immunogenic variants induced by mutagens: a mechanism for generating autoimmune responses to tumors. Frost P. **Immunol Ser** 1990;52:53–64 (32 ref.)

IMMUNOLOGY

Autoantibodies and antibacterial antibodies: from both sides now. Watts RA, et al. **Ann Rheum Dis** 1990 Dec; 49(12):961–5 (73 ref.)
The immunology of tolerance and autoimmunity. Mitchison NA. **Br J Rheumatol** 1991;30 Suppl 2:1–2 (3 ref.)
Immunodeficiency after bone marrow transplantation can be associated with autoreactive T-cell receptor gamma delta-bearing lymphocytes. Bensussan A, et al. **Immunol Rev** 1990 Aug;116:5–13 (31 ref.)
Function of autoreactive T cells in immune responses. Finnegan A, et al. **Immunol Rev** 1990 Aug;116:15–31 (63 ref.)
Insights into autoimmunity: from classical models to current perspectives. Gutierrez-Ramos JC, et al. **Immunol Rev** 1990 Dec;118:73–101 (137 ref.)
Specific interactions between a human CD4+ clone and autologous CD4+ bifunctional immunoregulatory clones. Naor D, et al. **Immunol Rev** 1990 Aug;116:63–83 (60 ref.)
Mechanisms of autoimmunity in the context of T-cell tolerance: insights from natural and transgenic animal model systems. Siegel RM, et al. **Immunol Rev** 1990 Dec; 118:165–92 (91 ref.)
Immunoregulatory function of human autoreactive T-cell lines and clones. Strober W, et al. **Immunol Rev** 1990 Aug; 116:117–38 (40 ref.)
Imprint of thymic selection on autoreactive repertoires. Zauderer M, et al. **Immunol Rev** 1990 Aug;116:159–70 (30 ref.)
Chaperonins and the immune response. Young DB. **Semin Cell Biol** 1990 Feb;1(1):27–35 (56 ref.)

PHYSIOLOGY

Autoimmunity and ALS: a comparison of animal models of immune-mediated motor neuron destruction and human ALS. Appel SH, et al. **Adv Neurol** 1991;56:405–12 (35 ref.)

AUTOLOGOUS FIBRIN TISSUE ADHESIVE see **FIBRIN TISSUE ADHESIVE**

AUTOMATED MEDICAL RECORDS SYSTEMS see **MEDICAL RECORDS SYSTEMS, COMPUTERIZED**

AUTOMATIC DATA PROCESSING

Collection and use of routine maternity data. Barron SL, et al. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):681–97 (36 ref.)
Computerized automation of clinical trials. Johnson N, et al. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):771–86 (41 ref.)
Putting bar codes to work for improved patient care. Weilert M, et al. **Clin Lab Med** 1991 Mar;11(1):227–38 (12 ref.)

INSTRUMENTATION

Eight-parameter PC-AT based flow cytometric data system. Kachel V, et al. **Cytometry** 1990;11(7):805–12 (6 ref.)

ORGANIZATION & ADMINISTRATION

Health care information systems. Patient-centered integration is the key. Korpman RA. **Clin Lab Med** 1991 Mar; 11(1):203–20 (30 ref.)

AUTOMOBILE DRIVING

see related
ACCIDENTS, TRAFFIC

A review of the effects of antihistamines on mental processes related to automobile driving. Gengo FM, et al. **J Allergy Clin Immunol** 1990 Dec;86(6 Pt 2):1034–9 (31 ref.)
Driving and epilepsy. A review and reappraisal [see comments] Krumholz A, et al. **JAMA** 1991 Feb 6; 265(5):622–6 (42 ref.) Comment in: JAMA 1991 Jun 12;265(22):2961–2.
Simulated long-term driving performance before and after uvulopalatopharyngoplasty. Haraldsson PO, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(2):106–10 (27 ref.)
General deterrence of drunk driving: evaluation of recent American policies. Evans WN, et al. **Risk Anal** 1991 Jun; 11(2):279–89 (36 ref.)
[Driving and dementia of Alzheimer's type] Heinik J, et al. **Harefuah** 1991 Jan 15;120(2):83–5 (19 ref.) **(Heb)**

LEGISLATION & JURISPRUDENCE

The impact of Alzheimer's disease on driving ability: a review. Donnelly RE, et al. **J Geriatr Psychiatry Neurol** 1990 Apr–Jun;3(2):67–72 (36 ref.)
Automobile driving and epilepsy: a medical perspective. Hansotia P. **Wis Med J** 1991 Mar;90(3):112–5 (13 ref.)
[Impact of diabetes mellitus on driving safety] Ekoé JM, et al. **Diabete Metab** 1991 Jan–Feb;17(1):61–8 (25 ref.) (Eng. Abstr.) **(Fre)**
[Blood alcohol concentration and effect, traffic medicine characteristics and legal traffic relevance of alcohol limit values in road traffic] Heifer U. **Blutalkohol** 1991 May; 28(3):121–45 (49 ref.) (Eng. Abstr.) **(Ger)**
[Offenses in alcoholic intoxication with reference to American research] Middendorff W. **Blutalkohol** 1991 May; 28(3):174–9 (15 ref.) (Eng. Abstr.) **(Ger)**

STATISTICS & NUMERICAL DATA

Drunk driving among American blacks and Hispanics. Ross HL, et al. **Accid Anal Prev** 1991 Feb;23(1):1–11 (32 ref.)

AUTOMOBILE EXHAUST

ADVERSE EFFECTS

[The importance of diesel engine exhaust in public health environmental protection/ecological health protection] Fromme H. **Off Gesundheitswes** 1990 Nov;52(11):625–9 (52 ref.) (Eng. Abstr.) **(Ger)**
[Carcinogenic risk of automobile exhaust: a review] Lagorio S, et al. **Epidemiol Prev** 1990 Jun;12(43):38–55 (57 ref.) (Eng. Abstr.) **(Ita)**

ANALYSIS

Predictors of tooth-lead level with special reference to traffic. A study of lead-exposure in children. Lyngbye T, et al. **Int Arch Occup Environ Health** 1990;62(6):417–22 (37 ref.)

TOXICITY

Relative significance of different hydrocarbons for the carcinogenic potency of emissions from various incomplete combustion processes. Pott F, et al. **IARC Sci Publ** 1990; (104):288–97 (35 ref.)
Approaches to risk assessment of automotive engine exhausts. Törnqvist M, et al. **IARC Sci Publ** 1990;(104):277–87 (43 ref.)
[The carcinogenic and genotoxic action of the substances in the exhaust gases from internal combustion engines] Makhover MS, et al. **Eksp Onkol** 1990;12(5):11–4, 34 (50 ref.) (Eng. Abstr.) **(Rus)**

AUTOMOBILES

Brake mechanics, asbestos, and disease risk. Huncharek M. **Am J Forensic Med Pathol** 1990 Sep;11(3):236–40 (33 ref.)
[The diagnosis of trauma to the human body from being run over by automobile wheels] Abdukarimov RKh. **Sud Med Ekspert** 1991 Apr–Jun;34(2):45–6 (16 ref.) **(Rus)**

AUTONOMIC AGENTS

PHARMACOLOGY

[Manometry and drugs] Coccia G, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):115–20 (27 ref.) (Eng. Abstr.) **(Ita)**

AUTONOMIC GANGLIA see **GANGLIA, AUTONOMIC**

AUTONOMIC NERVE BLOCK

[Anesthesiology problems in Takayasu's syndrome] Gaida BJ, et al. **Anaesthesist** 1991 Jan;40(1):1–6 (79 ref.) (Eng. Abstr.) **(Ger)**

AUTONOMIC NERVOUS SYSTEM

GROWTH & DEVELOPMENT

Changes in expression of autonomic nerves in aging and disease. Burnstock G. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S25–34 (74 ref.)

PHYSIOLOGY

Control of human airway smooth muscle. Black JL. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S11–2 (41 ref.)

Autonomic interactions in cardiac control. Levy MN. **Ann N Y Acad Sci** 1990;601:209–21 (31 ref.)

Autonomic activity. Venables PH. **Ann N Y Acad Sci** 1991; 620:191–207 (56 ref.)

Neural release of ATP and adenosine. White TD, et al. **Ann N Y Acad Sci** 1990;603:287–98; discussion 298–9 (66 ref.)

Unexpected plasticity at autonomic junctions. Environmental regulation of neurotransmitter phenotype and receptor expression. Grant MP, et al. **Biochem Pharmacol** 1991 Feb 1;41(3):323–31 (121 ref.)

Age-related changes in autonomic control: the use of beta blockers in the treatment of hypertension. Collins KJ. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1257–62 (43 ref.)

Autonomic nervous system and coronary blood flow changes related to emotional activation and sleep. Verrier RL, et al. **Circulation** 1991 Apr;83(4 Suppl):II81–9 (56 ref.)

Limbic autonomic arousal: its physiological classification and review of the literature. Deshmukh VD. **Clin Electroencephalogr** 1991 Jan;22(1):46–61 (115 ref.)

Autonomic nervous dysfunction in essential hypertension. Julius S. **Diabetes Care** 1991 Mar;14(3):249–59 (71 ref.)

Individual differences in autonomic learning: a quarter century of reflection. Ax AF. **Int J Psychophysiol** 1990 Nov;10(1):1–9 (32 ref.)

Some recalcitrant views on the role of noncognitive S–R factors in human Pavlovian autonomic conditioning. Some facts still haunt us. Furedy JJ. **Integr Physiol Behav Sci** 1991 Jan–Mar;26(1):21–5 (17 ref.)

Autonomic stimulation. Upton AR, et al. **PACE** 1991 Jan; 14(1):50–69 (120 ref.)

Structural and functional aspects of acetylcholine peptide coexistence in the autonomic nervous system. Lindh B, et al. **Prog Brain Res** 1990;84:175–91 (101 ref.)

Forebrain nuclei involved in autonomic control. Loewy AD. **Prog Brain Res** 1991;87:253–68 (66 ref.)

Prefrontal cortical control of the autonomic nervous system: anatomical and physiological observations. Neafsey EJ. **Prog Brain Res** 1990;85:147–65; discussion 165–6 (208 ref.)

Laterality of cerebral controls on somatic and autonomic functions. Tohgi H, et al. **Tohoku J Exp Med** 1990 Aug; 161 Suppl:213–29 (33 ref.)

[Relation between vegetative nervous activities and coronary spasm] Chen XL, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul;21(3):221–5 (46 ref.) **(Chi)**

[Vascular smooth muscle fibers and the autonomic nervous system] Philip I, et al. **Agressologie** 1990 Apr;31(4):179–83 (13 ref.) (Eng. Abstr.) **(Fre)**

[Central regulation of gastrointestinal motility and secretion] Lenz HJ. **Z Gastroenterol** 1991 Apr;29 Suppl 3:5–9 (54 ref.) (Eng. Abstr.) **(Ger)**

[Central nervous system regulation of gastric acid and duodenal bicarbonate secretion] Lenz HJ. **Z Gastroenterol Verh** 1991 Mar;26:236–40 (62 ref.) **(Ger)**

[Effect of the autonomic nervous system on liver function in physiological and various pathological conditions] Zapaśnik A, et al. **Pol Arch Med Wewn** 1990 Sep; 84(3):166–75 (40 ref.) **(Pol)**

PHYSIOPATHOLOGY

Control of airway caliber by autonomic nerves in asthma and in chronic obstructive pulmonary disease. de Jongste JC, et al. **Am Rev Respir Dis** 1991 Jun;143(6):1421–6 (75 ref.)

Central regulation of stress responses: regulation of the autonomic nervous system and visceral function by corticotrophin releasing factor–41. Fisher LA, et al. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):35–50 (102 ref.)

Why asthmatic patients should not sleep in the right lateral decubitus position. Backon J, et al. **Br J Clin Pract** 1990 Nov;44(11):448–9 (30 ref.)

Heart failure: role of cardiovascular reflexes. Shepherd JT. **Cardioscience** 1990 Mar;1(1):7–12 (27 ref.)

Cardiovascular autonomic dysfunction: diagnosis and prognosis. Broadstone VL, et al. **Diabetic Med** 1991;8 Spec No:S88–93 (19 ref.)

Aspects of autonomic neurophysiology in diabetic polyneuropathy: a brief review. Fagius J. **Diabetic Med** 1991;8 Spec No:S58–62 (30 ref.)

The prevalence of autonomic neuropathy in the primary glaucomas. Clark CV. **Doc Ophthalmol** 1990 Apr–Jul; 74(4):277–85 (27 ref.)

Autonomic nervous system disorders in Parkinson's disease. Takahashi A. **Eur Neurol** 1991;31 Suppl 1:41–7 (32 ref.)

The autonomic nervous system and "functional" illness. Ferrari E. **Funct Neurol** 1990 Jul–Sep;5(3):279–84 (19 ref.)

Vegetative nervous system and syncopes. Simone F. **Funct Neurol** 1990 Jul–Sep;5(3):187–92 (19 ref.)

Uraemic autonomic neuropathy. Vita G, et al. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S179–84 (33 ref.)

Changing role of the autonomic nervous system in human hypertension. Julius S. **J Hypertens Suppl** 1990 Dec; 8(7):S59–65 (59 ref.)

Autonomic nervous system dysfunction in uraemia. Campese VM. **Nephrol Dial Transplant** 1990;5 Suppl 1:98–101 (35 ref.)

[The central nervous system, stress and motility of the gastrointestinal tract] Erckenbrecht JF. **Z Gastroenterol Verh** 1991 Mar;26:248–52 (36 ref.) **(Ger)**

[Renin–angiotensin–aldosterone system in cardiac insufficiency] Ramires JA. **Arq Bras Cardiol** 1990 Aug;55 Suppl A:A6–7 (9 ref.) **(Por)**

[The autonomic nervous system and disorders of heart rhythm. I] Jurkovičová O, et al. **Vnitr Lek** 1991 Apr; 37(4):390–6 (29 ref.) (Eng. Abstr.) **(Slo)**

AUTONOMIC NERVOUS SYSTEM DISEASES

Acute autonomic neuropathy. Two cases and a clinical review. Hart RG, et al. **Arch Intern Med** 1990 Nov; 150(11):2373–6 (45 ref.)

CHEMICALLY INDUCED

[A case of inorganic germanium poisoning with peripheral and cranial neuropathy, myopathy and autonomic dysfunction] Iijima M, et al. **No To Shinkei** 1990 Sep; 42(9):851–6 (13 ref.) (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

[Current aspects of the clinical course and pathogenesis of migraine (review of the literature)] Kolosova OA, et al. **Zh Nevropatol Psikhiatr** 1991;91(5):104–6 (62 ref.) **(Rus)**

DIAGNOSIS

Autonomic nervous system disturbances in Parkinson's disease. Korczyn AD. **Adv Neurol** 1990;53:463–8 (25 ref.)

The diagnosis and treatment of autonomic failure. Bannister R. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S19–23 (12 ref.)

Uraemic autonomic neuropathy. Vita G, et al. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S179–84 (33 ref.)

[Diabetic autonomic neuropathy. Severity, detection methods, therapeutic attempt] Valensi P. **Ann Med Interne (Paris)** 1991;142(1):31–41 (126 ref.) **(Fre)**

[Prospective study of cardiac autonomic neuropathy in diabetes mellitus] Jermendy G, et al. **Orv Hetil** 1991 Jun 23;132(25):1351–2, 1355–8 (34 ref.) (Eng. Abstr.) **(Hun)**

[Correlations between cardiorespiratory reflex impairment and distal neuropathy in diabetics free of clinical symptoms of autonomic neuropathy] Jermendy G, et al. **Orv Hetil** 1990 Oct 7;131(40):2187–8, 2191–4 (50 ref.) (Eng. Abstr.) **(Hun)**

[Possibilities of early diagnosis of autonomic neuropathy in diabetics] Tornóczky J, et al. **Orv Hetil** 1991 Mar 17; 132(11):571–4 (26 ref.) (Eng. Abstr.) **(Hun)**

[Autonomic disturbance in amyloidosis] Suzuki T. **Nippon Rinsho** 1991 Apr;49(4):880–5 (23 ref.) **(Jpn)**

ETIOLOGY

Acute autonomic neuropathy associated with a high serum bradykinin level and positive anti-nuclear and anti-DNA antibodies titers. Otokida K, et al. **Jpn J Med** 1990 Sep–Oct; 29(5):560–5 (13 ref.)

[Autonomic disorders in uremia] Zoccali C. **G Ital Cardiol** 1990 May;20(5):489–94 (46 ref.) **(Ita)**

[Hyperventilation syndrome and autonomic dystonia (review of the literature)] Moldovanu IV. **Zh Nevropatol Psikhiatr** 1991;91(5):100–3 (70 ref.) **(Rus)**

PATHOLOGY

Acute curable pandysautonomia and chronic progressive pandysautonomia. Hirayama K. **Bull Osaka Med Coll** 1989 Nov;35(1–2):113–7 (22 ref.)

PHYSIOPATHOLOGY

Autonomic nervous system disorders in Parkinson's disease. Takahashi A. **Eur Neurol** 1991;31 Suppl 1:41–7 (32 ref.)

The autonomic nervous system and "functional" illness. Ferrari E. **Funct Neurol** 1990 Jul–Sep;5(3):279–84 (19 ref.)

Changes in expression of autonomic nerves in aging and disease. Burnstock G. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S25–34 (74 ref.)

Sudden death and paroxysmal autonomic dysfunction in stiff-man syndrome. Mitsumoto H, et al. **J Neurol** 1991 Apr;238(2):91–6 (42 ref.)

[Effect of the autonomic nervous system on liver function in physiological and various pathological conditions] Zapaśnik A, et al. **Pol Arch Med Wewn** 1990 Sep; 84(3):166–75 (40 ref.) **(Pol)**

[Functional evaluation of autonomic neuropathies] Ferrer MT, et al. **Med Clin (Barc)** 1991 Mar 2;96(8):303–8 (40 ref.) **(Spa)**

AUTONOMOUS REPLICATION see **DNA REPLICATION**

AUTOPHAGOCYTOSIS

A selective pathway for degradation of cytosolic proteins by lysosomes. Dice JF, et al. **Semin Cell Biol** 1990 Dec; 1(6):449–55 (35 ref.)

Non-selective autophagy. Seglen PO, et al. **Semin Cell Biol** 1990 Dec;1(6):441–8 (54 ref.)

AUTOPROTHROMBIN II see **FACTOR IX**

AUTOPSY

Pathologists and the autopsy. Hill RB, et al. **Am J Clin Pathol** 1991 Apr;95(4 Suppl 1):S42–9 (59 ref.)

Role of necropsy at neonatal and infantile ages. Bosman C, et al. **IARC Sci Publ** 1991;(112):163–75 (22 ref.)

The role of the autopsy in assessing clinical diagnoses. Cameron HM. **IARC Sci Publ** 1991;(112):75–9 (15 ref.)

Contributions of autopsy to population-based cancer epidemiology: targetted intervention to improve ascertainment. Chute CG, et al. **IARC Sci Publ** 1991; (112):207–16 (21 ref.)

Occurrence of liver cirrhosis among autopsies in Trieste. Giarelli L, et al. **IARC Sci Publ** 1991;(112):37–43 (23 ref.)

Contribution of post-mortem examination to cancer registries. O'Conor GT. **IARC Sci Publ** 1991;(112):197–206 (22 ref.)

Autopsy as the yardstick for diagnosis: an epidemiologist's remarks. Saracci R. **IARC Sci Publ** 1991;(112):185–96 (14 ref.)

Latent malignancies at autopsy: a little used source of information on cancer biology. Tulinius H. **IARC Sci Publ** 1991;(112):253–61 (19 ref.)

[Autopsy: the last, but also the first consultation] Offerhaus GJ. **Ned Tijdschr Geneeskd** 1991 Jun 1;135(22):971–3 (24 ref.) **(Dut)**

LEGISLATION & JURISPRUDENCE

The autopsy crisis reexamined: the case for a national autopsy policy. Hill RB, et al. **Milbank Q** 1991;69(1):51–78 (60 ref.)

AUTORADIOGRAPHY

METHODS

Traffic through the Golgi apparatus as studied by radioautography. Bennett G, et al. **J Electron Microsc Tech** 1991 Feb;17(2):132–49 (142 ref.)

STATISTICS & NUMERICAL DATA

Statistical issues in the analysis of neuroimages. Ford I, et al. **J Cereb Blood Flow Metab** 1991 Mar;11(2):A89–95 (41 ref.)

AUTOREGULATION see **HOMEOSTASIS**

AUTOSOME ABNORMALITIES see **CHROMOSOME ABNORMALITIES**

AUTOTRANSFUSION see **BLOOD TRANSFUSION, AUTOLOGOUS**

AUTOTRANSPLANT see **TRANSPLANTATION, AUTOLOGOUS**

AUXINS

METABOLISM

A view about the function of auxin-binding proteins at plasma membranes. Klämbt D. **Plant Mol Biol** 1990 Jun; 14(6):1045–50 (41 ref.)

From auxin-binding protein to plant hormone receptor? Napier RM, et al. **Trends Biochem Sci** 1991 Feb;16(2):72–5 (29 ref.)

PHYSIOLOGY

Hormonal modulation of plant growth: the role of auxin perception. Palme K, et al. **Mech Dev** 1991 Feb; 33(2):97–106 (88 ref.)

Molecular approaches to understanding auxin action. Hagen G. **New Biol** 1989 Oct;1(1):19–23 (39 ref.)

AV NODE see **ATRIOVENTRICULAR NODE**

AVAILABILITY EQUIVALENCY see **BIOLOGICAL AVAILABILITY**

AVAILABILITY OF HEALTH SERVICES see **HEALTH SERVICES ACCESSIBILITY**

AVERSIVE THERAPY

METHODS

The ideology and science of punishment in mental retardation [see comments] Mulick JA. **Am J Ment Retard** 1990 Sep; 95(2):142–56; discussion 157–81 (70 ref.) Comment in: Am J Ment Retard 1990 Sep;95(2):137–41.

Chemical aversion treatment of alcohol dependence. I. Validity of current criticisms. Howard MO, et al. **Int J Addict** 1990 Oct;25(10):1227–62 (80 ref.)

Chemical aversion treatment of alcohol dependence. II. Future research directions for the '90s. Howard MO, et al. **Int J Addict** 1990 Dec;25(12):1403–14 (55 ref.)

AVIAN LEUKOSIS VIRUSES

GENETICS

Molecular analysis of the ets genes and their products. Watson DK, et al. **Crit Rev Oncog** 1990;1(4):409–36 (139 ref.)

AVIAN NEPHROSIS VIRUS see **INFECTIOUS BURSAL AGENT**

AVIAN RETICULOENDOTHELIOSIS VIRUS

IMMUNOLOGY

Reticuloendotheliosis virus and disturbance in immune regulation. Bose HR Jr. **Microbiol Sci** 1984 Aug; 1(5):107–12 (26 ref.)

Importance of cell-mediated immunity in Marek's disease and other viral tumor diseases. Schat KA. **Poult Sci** 1991 May;70(5):1165–75 (53 ref.)

AVIAN SARCOMA VIRUSES

GENETICS

Nobel Lecture. Retroviruses and oncogenes II. Bishop JM. **Biosci Rep** 1990 Dec;10(6):473–91 (81 ref.)

AVIATION

A review of parachuting injuries. Davison DJ. **Injury** 1990 Sep;21(5):314–6 (11 ref.)

AVIATION MEDICINE see **AEROSPACE MEDICINE**

AVIDIN

The biotinylcellulose–avidin system. A model for interaction between solid-phase ligands and multivalent high molecular weight ligates. Goldstein L, et al. **Ann N Y Acad Sci** 1990;613:54–67 (27 ref.)

The biotin–(strept)avidin system: principles and applications in biotechnology. Diamandis EP, et al. **Clin Chem** 1991 May;37(5):625–36 (106 ref.)

DIAGNOSTIC USE

Monoclonal antibody pretargetting techniques for tumour localization: the avidin–biotin system. International Workshop on Techniques for Amplification of Tumour Targetting. Paganelli G, et al. **Nucl Med Commun** 1991 Mar;12(3):211–34 (102 ref.)

GENETICS

Development of progestin-specific response in the chicken oviduct. Tuohimaa P, et al. **Int J Dev Biol** 1989 Mar; 33(1):125–34 (103 ref.)

AVIDITY, ANTIBODY see **ANTIBODY AFFINITY**

AVITAMINOSIS

COMPLICATIONS

Vitamin deficiency and mental symptoms. Carney MW. **Br J Psychiatry** 1990 Jun;156:878–82 (55 ref.)

Vitamin deficiencies and neural-tube defects: human and animal studies. Cockroft DL. **Hum Reprod** 1991 Jan; 6(1):148–57 (60 ref.)

VETERINARY

Vitamin deficiencies in cattle. Frye TM, et al. **Vet Clin North Am Food Anim Pract** 1991 Mar;7(1):217–75 (223 ref.)

AVOIDANCE LEARNING

see related
ESCAPE REACTION

DRUG EFFECTS

Facilitation of memory by peripheral administration of substance P and naloxone using avoidance and habituation learning tasks. Tomaz C, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):447–53 (43 ref.)

PHYSIOLOGY

Functions of anterior and posterior cingulate cortex during avoidance learning in rabbits. Gabriel M. **Prog Brain Res** 1990;85:467–82; discussion 482–3 (26 ref.)

[The development of theories of avoidance learning and its application to behavioral pharmacology] Iso H. **Yakubutsu Seishin Kodo** 1990 Nov;10(4):381–92 (45 ref.) (Eng. Abstr.) **(Jpn)**

AWARENESS

Concerning knowledge of mental states. Hobson RP. **Br J Med Psychol** 1990 Sep;63 (Pt 3):199–213 (55 ref.)

Insight and psychosis [see comments] David AS. **Br J Psychiatry** 1990 Jun;156:798–808 (85 ref.) Comment in: Br J Psychiatry 1990 Sep;157:454. Comment in: Br J Psychiatry 1990 Nov;157:773–5.

Moderation of morbidity following tonsillectomy and adenoidectomy: a study of awareness under anesthesia. Wood WE, et al. **Int J Pediatr Otorhinolaryngol** 1990 Nov; 20(2):93–105 (15 ref.)

The concept of dissociation. Counts RM. **J Am Acad Psychoanal** 1990 Fall;18(3):460–79 (24 ref.)

A review of the tip-of-the-tongue experience. Brown AS. **Psychol Bull** 1991 Mar;109(2):204–23 (95 ref.)

Intra-anesthetic awareness. Eldor J, et al. **Resuscitation** 1991 Apr;21(2–3):113–9 (56 ref.)

Awareness of illness in schizophrenia. Amador XF, et al. **Schizophr Bull** 1991;17(1):113–32 (90 ref.)

DRUG EFFECTS

Performance effects of antihistamines. Meltzer EO. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 2):613–9 (27 ref.)

PHYSIOLOGY

Disconnected awareness for detecting, processing, and remembering in neurological patients. Weiskrantz L. **J R Soc Med** 1991 Aug;84(8):466–70 (29 ref.)

[Conscious and unconscious awareness during anesthesia––how deep is the patient's sleep?] Holmboe J, et al. **Tidsskr Nor Laegeforen** 1990 Nov 10;110(27):3506–8 (14 ref.) (Eng. Abstr.) **(Nor)**

AXENIC ANIMALS see **GERM-FREE LIFE**

AXEROPHTHAL see **RETINALDEHYDE**

AXILLA

Pure apocrine nevus. A study of light-microscopic and immunohistochemical features of a rare tumor. Ando K, et al. **Am J Dermatopathol** 1991 Feb;13(1):71–6 (12 ref.)

AXILLARY ARTERY

INJURIES

Arterial abnormalities of the shoulder in athletes. Nuber GW, et al. **Am J Sports Med** 1990 Sep–Oct;18(5):514–9 (12 ref.)

AXILLARY VEIN

Effort thrombosis of the axillosubclavian vein: a disabling vascular disorder. Machleder HI. **Compr Ther** 1991 May; 17(5):18–24 (14 ref.)

AXON-ASSOCIATED ADHESION MOLECULES see **CELL ADHESION MOLECULES, NEURONAL**

AXONS

DRUG EFFECTS

Neurotoxicological effects and the mode of action of pyrethroid insecticides. Vijverberg HP, et al. **Crit Rev Toxicol** 1990;21(2):105–26 (195 ref.)

ENZYMOLOGY

Stoichiometry and voltage dependence of the Na+/K+ pump in squid giant axons and Xenopus oocytes. Rakowski RF. **Soc Gen Physiol Ser** 1991;46:339–53 (25 ref.)

METABOLISM

Retrograde axonal transport and transcytosis of immunoglobulins: implications for the pathogenesis of autoimmune motor neuron disease. Fabian RH. **Adv Neurol** 1991;56:433–44 (60 ref.)

Axonal transport of receptors. A major criterion for presynaptic localization. Laduron PM, et al. **Ann N Y Acad Sci** 1990;604:462–9 (44 ref.)

On the voltage dependence of inactivation in the sodium channel of the squid giant axon. Keynes RD. **Proc R Soc Lond [Biol]** 1991 Jan 22;243(1306):47–53 (32 ref.)

PHYSIOLOGY

Membrane glycoproteins involved in neurite-neurite interactions. Rathjen FG, et al. **Acta Histochem Suppl** 1990; 38:59–63 (26 ref.)

Differential effects of various electrical parameters on peripheral and central nerve regeneration. Zanakis MF. **Acupunct Electrother Res** 1990;15(3–4):185–91 (21 ref.)

Intraspinal transplants. Tessler A. **Ann Neurol** 1991 Feb; 29(2):115–23 (99 ref.)

The neuronal growth cone as a specialized transduction system. Strittmatter SM, et al. **Bioessays** 1991 Mar; 13(3):127–34 (127 ref.)

Some mathematical problems of excitability. Holden AV. **Biomed Biochim Acta** 1990;49(8–9):651–60 (16 ref.)

Tension as a regulator and integrator of axonal growth. Heidemann SR, et al. **Cell Motil Cytoskeleton** 1990; 17(1):6–10 (22 ref.)

Mechanisms by which molecules guide axons. Lander AD. **Curr Opin Cell Biol** 1990 Oct;2(5):907–13 (13 ref.)

Neuronal growth cone migration. Devoto SH. **Experientia** 1990 Sep 15;46(9):916–22 (69 ref.)

Dynamics of axonal growth and the formation of orderly nerve connections in the fish retinotectal system. Stuermer CA. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):165–82 (32 ref.)

Cellular magnetic fields: fundamental and applied measurements on nerve axons, peripheral nerve bundles, and skeletal muscle. Wikswo JP Jr, et al. **J Clin Neurophysiol** 1991 Apr;8(2):170–88 (57 ref.)

Synaptic connections made by axons regenerating in the central nervous system of adult mammals. Aguayo AJ, et al. **J Exp Biol** 1990 Oct;153:199–224 (110 ref.)

In vitro experiments on axonal guidance and growth-cone collapse. Müller B, et al. **J Exp Biol** 1990 Oct;153:29–46 (24 ref.)

Diffuse axonal injury in non-missile head injury [editorial] Adams JH, et al. **J Neurol Neurosurg Psychiatry** 1991 Jun; 54(6):481–3 (30 ref.)

Left out axons make men right: a hypothesis for the origin of handedness and functional asymmetry. Witelson SF, et al. **Neuropsychologia** 1991;29(4):327–33 (50 ref.)

GAP-43 as a 'calmodulin sponge' and some implications for calcium signalling in axon terminals. Skene JH. **Neurosci Res Suppl** 1990;13:S112–25 (50 ref.)

Target recognition and dynamics of axonal growth in the retinotectal system of fish. Stuermer CA. **Neurosci Res Suppl** 1990;13:S1–10 (37 ref.)

Factors influencing the regeneration of axons in the central nervous system. Fawcett JW. **Paraplegia** 1991 Jun; 29(5):287–93 (50 ref.)

Regeneration of lesioned CNS axons by neutralisation of neurite growth inhibitors: a short review. Schwab ME. **Paraplegia** 1991 Jun;29(5):294–8 (20 ref.)

Neuronal responses to injury and aging: lessons from animal models. Price DL, et al. **Prog Brain Res** 1990;86:297–308 (143 ref.)

Axotomy-induced alterations in the electrophysiological characteristics of neurons. Titmus MJ, et al. **Prog Neurobiol** 1990;35(1):1–51 (345 ref.)

Long-term survival of anucleate axons and its implications for nerve regeneration. Bittner GD. **Trends Neurosci** 1991 May;14(5):188–93 (66 ref.)

How do retinal axons find their targets in the developing brain? Hankin M, et al. **Trends Neurosci** 1991 Jun; 14(6):224–8 (74 ref.)

[Regeneration processes in peripheral nerves following nerve transsection] Dietzmann K. **Zentralbl Allg Pathol** 1990; 136(6):525–36 (78 ref.) (Eng. Abstr.) **(Ger)**

[Transplantation of the sympathetic ganglion into the brain––induction of axonal outgrowth from the graft] Ooiwa Y, et al. **No To Shinkei** 1991 Feb;43(2):129–37 (63 ref.) **(Jpn)**

ULTRASTRUCTURE

Axolemmal abnormalities in myelin mutants. Rosenbluth J. **Ann N Y Acad Sci** 1990;605:194–214 (61 ref.)

Growth cones: the mechanism of neurite advance. Gordon-Weeks PR. **Bioessays** 1991 May;13(5):235–9 (45 ref.)

The ultrastructure of the neuronal growth cone: new insights from subcellular fractionation and rapid freezing studies. Gordon-Weeks PR. **Electron Microsc Rev** 1988;1(2):201–19 (109 ref.)

Glial influences on axonal growth in the primary olfactory system. Doucette R. **GLIA** 1990;3(6):433–49 (122 ref.)

AXOPLASMIC FLOW

PHYSIOLOGY

Mechanisms of fast and slow axonal transport. Vallee RB, et al. **Annu Rev Neurosci** 1991;14:59–92 (170 ref.)

AYERZA'S SYNDROME see **HYPERTENSION, PULMONARY**

AYURVEDIC MEDICINE see **MEDICINE, AYURVEDIC**

AZACYCLOPROPANES see **AZIRIDINES**

AZACYTIDINE

TOXICITY

Azacitidine. **IARC Monogr Eval Carcinog Risks Hum** 1990; 50:47–63 (94 ref.)

AZASTEROIDS

THERAPEUTIC USE

The clinical development of a 5 alpha-reductase inhibitor, finasteride. Stoner E. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):375–8 (12 ref.)

AZATHIOPRINE

ADVERSE EFFECTS

The risks of antimalarial retinopathy, azathioprine lymphoma and methotrexate hepatotoxicity during the treatment of rheumatoid arthritis. Urowitz MB, et al. **Baillieres Clin Rheumatol** 1991 Aug;4(2):193–206 (76 ref.)

THERAPEUTIC USE

Azathioprine, cyclophosphamide and chlorambucil. Luqmani RA, et al. **Baillieres Clin Rheumatol** 1990 Dec;4(3):595–619 (138 ref.)

Azathioprine and methotrexate as combination chemotherapy in rheumatoid arthritis. McKendry RJ. **J Rheumatol Suppl** 1990 Nov;25:28–33 (29 ref.)

Alkylating agents and purine analogues in primary glomerulonephritis with nephrotic syndrome. Ponticelli C, et al. **Nephrol Dial Transplant** 1991;6(6):381–8 (68 ref.)

Triple therapy. Slapak M, et al. **Transplant Proc** 1991 Aug; 23(4):2186–8 (10 ref.)

[Donath–Landsteiner antibody of the IgM class with anti-I specificity and possible efficacy of azathioprine therapy in paroxysmal cold hemoglobinuria: a case report] Nakamura H, et al. **Rinsho Ketsueki** 1990 Sep;31(9):1548–52 (14 ref.) (Eng. Abstr.) **(Jpn)**

[Immunosuppressive therapy of various autoimmune diseases of the nervous system] Neretin VIa, et al. **Sov Med** 1990; (12):31–5 (39 ref.) **(Rus)**

AZEPINES

PHARMACOLOGY

From ginkgolides to N-substituted piperidino–thieno diazepines, a new series of highly potent dual antagonists. Braquet P, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:929–37 (19 ref.)

Transdermal drug delivery: efficacy and potential applications of the penetration enhancer Azone. Wiechers JW, et al. **Drug Des Deliv** 1990 Jun;6(2):87–100 (90 ref.)

THERAPEUTIC USE

Medicinal chemistry of 1-benzazepines. Hino K, et al. **Prog Med Chem** 1990;27:123–41 (128 ref.)

AZIDES

PHARMACOLOGY

Antiretroviral activity, biochemistry, and pharmacokinetics of 3'-azido-2',3'-dideoxy-5-methylcytidine. Schinazi RF, et al. **Ann N Y Acad Sci** 1990;616:385–97 (26 ref.)

AZIDOTHYMIDINE see **ZIDOVUDINE**

AZIRIDINES

PHARMACOLOGY

AF64A-induced cholinergic hypofunction. Hanin I. **Prog Brain Res** 1990;84:289–99 (92 ref.)

AZOLES

PHARMACOLOGY

Biological activities and clinical potential of Ebselen. Parnham MJ. **Adv Exp Med Biol** 1990;264:193–7 (30 ref.)

The pharmacology of ebselen. Parnham MJ, et al. **Agents Actions** 1991 Jan;32(1–2):4–9 (56 ref.)

AZOOSPERMIA see **OLIGOSPERMIA**

AZOTEMIA see **UREMIA**

AZT (ANTIVIRAL) see **ZIDOVUDINE**

AZTREONAM

Aztreonam. Tunkel AR, et al. **Infect Control Hosp Epidemiol** 1990 Sep;11(9):486–94 (72 ref.)

PHARMACOLOGY

How and why aztreonam works. Rittenbury MS. **Surg Gynecol Obstet** 1990;171 Suppl:19–23 (16 ref.)

THERAPEUTIC USE

Aztreonam: a review of the first monobactam. Westley-Horton E, et al. **Am J Med Sci** 1991 Jul; 302(1):46–9 (26 ref.)

The use of aztreonam in pediatric patients: a review. Bosso JA, et al. **Pharmacotherapy** 1991;11(1):20–5 (47 ref.)

Clinical experience with aztreonam for treatment of infections in children. Stutman HR. **Rev Infect Dis** 1991 May–Jun;13 Suppl 7:S582–5 (20 ref.)

[Role of the new beta lactams in severe infections. Imipenem and aztreonam: indications and limitations] Sánchez C, et al. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:67–75 (65 ref.) **(Spa)**

AZURE STAINS

The use of the diff-quik stain in the immediate interpretation of fine-needle aspiration biopsies. Silverman JF, et al. **Diagn Cytopathol** 1990;6(5):366–9 (16 ref.)

AZYGOS VEIN

[Congenital anomaly of the inferior vena cava with hemiazygos continuation. Ultrasonic diagnosis] Le Blanche AF, et al. **Ann Radiol (Paris)** 1990;33(6):339–46 (27 ref.) (Eng. Abstr.) **(Fre)**

B-ALL see **LEUKEMIA, B-CELL, ACUTE**

B- AND T-CELL ACUTE LYMPHOBLASTIC LEUKEMIA see **LEUKEMIA, MIXED-CELL**

B- AND T-CELL LEUKEMIA, ACUTE see **LEUKEMIA, MIXED-CELL**

B-CELL DIFFERENTIATION ANTIGENS see **ANTIGENS, DIFFERENTIATION, B-LYMPHOCYTE**

B-CELL DIFFERENTIATION FACTOR-2 see **INTERLEUKIN-6**

B-CELL GENE REARRANGEMENT see **GENE REARRANGEMENT, B-LYMPHOCYTE**

B-CELL GROWTH FACTOR see **INTERLEUKIN-4**

B-CELL GROWTH FACTOR-II see **INTERLEUKIN-5**

B-CELL HEAVY CHAIN GENE REARRANGEMENT see **GENE REARRANGEMENT, B-LYMPHOCYTE, HEAVY CHAIN**

B-CELL LEUKEMIA, ACUTE see **LEUKEMIA, B-CELL, ACUTE**

B-CELL LEUKEMIA, CHRONIC see **LEUKEMIA, B-CELL, CHRONIC**

B-CELL LIGHT CHAIN GENE REARRANGEMENT see **GENE REARRANGEMENT, B-LYMPHOCYTE, LIGHT CHAIN**

B-CELL LYMPHOMA see **LYMPHOMA, B-CELL**

B-CELL STIMULATORY FACTOR-1 see **INTERLEUKIN-4**

B-CELL STIMULATORY FACTOR-2 see **INTERLEUKIN-6**

B-CELL SUBSETS see **B-LYMPHOCYTE SUBSETS**

B-CELLS see **B-LYMPHOCYTES**

B-K MOLE SYNDROME see **DYSPLASTIC NEVUS SYNDROME**

B16 MELANOMA see **MELANOMA, EXPERIMENTAL**

BABESIA

IMMUNOLOGY

Towards a synthetic Babesia vaccine. Wright IG. **Int J Parasitol** 1991 Apr;21(2):156–9 (23 ref.)

BABESIASIS see **BABESIOSIS**

BABESIOSIS

PARASITOLOGY

Babesiosis of companion animals and man. Tabanda J, et al. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):103–23 (91 ref.)

PATHOLOGY

Dermatologic aspects of tick bites and tick-transmitted diseases. Merchant SR, et al. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):145–55 (33 ref.)

PREVENTION & CONTROL

Towards a synthetic Babesia vaccine. Wright IG. **Int J Parasitol** 1991 Apr;21(2):156–9 (23 ref.)

Methods currently used for the control of anaplasmosis and babesiosis: their validity and proposals for future control strategies. Lawrence JA, et al. **Parassitologia** 1990 Apr; 32(1):63–71 (10 ref.)

TRANSMISSION

Human babesiosis. Villar BF, et al. **Prog Clin Parasitol** 1991; 2:129–43 (112 ref.)

BABOON see **PAPIO**

BACILLUS

Foodborne disease due to Bacillus and Clostridium species. Lund BM. **Lancet** 1990 Oct 20;336(8721):982–6 (13 ref.)

ENZYMOLOGY

Thermolysin: a peptide forming enzyme. Reddy AV. **Indian J Biochem Biophys** 1991 Feb;28(1):10–5 (79 ref.)

GENETICS

Bacillus larval toxin crystal protein. Klier A, et al. **Microbiol Sci** 1987 Sep;4(9):274–6 (24 ref.)

ISOLATION & PURIFICATION

Nonanthrax Bacillus infections of the central nervous system. Weisse ME, et al. **Pediatr Infect Dis J** 1991 Mar;10(3):243–6 (32 ref.)

METABOLISM

Molecular biology of antibiotic production in Bacillus. Nakano MM, et al. **Crit Rev Biotechnol** 1990;10(3):223–40 (138 ref.)

Synthesis and secretion of extracellular enzymes by bacilli. Priest FG. **Microbiol Sci** 1985 Sep;2(9):278–82 (26 ref.)

BACILLUS ANTHRACIS

ISOLATION & PURIFICATION

[An anthrax epidemic in Switzerland. Clinical, diagnostic and epidemiological aspects of a mostly forgotten disease] Pfisterer RM. **Schweiz Med Wochenschr** 1991 Jun 1; 121(22):813–25 (99 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

[The molecular nature of Bacillus anthracis toxin] Stepanov AS. **Mol Gen Mikrobiol Virusol** 1991 Jan;(1):3–10 (104 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The monitoring and detection of Bacillus anthracis in the environment. Titball RW, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:9S–18S (52 ref.)

BACILLUS CALMETTE GUERIN VACCINE see **BCG VACCINE**

BACILLUS CEREUS

ENZYMOLOGY

The relationship between the structures of four beta-lactamases obtained from Bacillus cereus. Cid H, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):101–7 (22 ref.)

ISOLATION & PURIFICATION

Nonanthrax Bacillus infections of the central nervous system. Weisse ME, et al. **Pediatr Infect Dis J** 1991 Mar;10(3):243–6 (32 ref.)

BACILLUS MEGATERIUM

GENETICS

An unusual yet strongly conserved flavoprotein reductase in bacteria and mammals. Porter TD. **Trends Biochem Sci** 1991 Apr;16(4):154–8 (30 ref.)

BACILLUS STEAROTHERMOPHILUS

GENETICS

Recognition of tRNA(Tyr) by tyrosyl-tRNA synthetase. Bedouelle H. **Biochimie** 1990 Aug;72(8):589–98 (84 ref.)

BACILLUS SUBTILIS

GENETICS

Triple post-transcriptional control. Bechhofer DH. **Mol Microbiol** 1990 Sep;4(9):1419–23 (26 ref.)

The regulation of genetic competence in Bacillus subtilis. Dubnau D. **Mol Microbiol** 1991 Jan;5(1):11–8 (52 ref.)

Cascades of sigma factors revisited. Stragier P, et al. **Mol Microbiol** 1990 Nov;4(11):1801–6 (28 ref.)

Compartmentalized gene expression during sporulation in Bacillus subtilis. Kunkel B. **Trends Genet** 1991 May; 7(5):167–72 (39 ref.)

GROWTH & DEVELOPMENT

A membrane receptor kinase that regulates development in Bacillus subtilis. Stock J. **Bioessays** 1990 Aug;12(8):387–8 (10 ref.)

PHYSIOLOGY

Integration of developmental signals and the initiation of

sporulation in B. subtilis. Grossman AD. **Cell** 1991 Apr 5;65(1):5–8 (17 ref.)
Dependent sequences of gene expression controlling spore formation in Bacillus subtilis. Mandelstam J, et al. **Microbiol Sci** 1987 Aug;4(8):238–44 (40 ref.)
A model for asymmetric septum formation during sporulation in Bacillus subtilis. Errington J. **Mol Microbiol** 1991 Apr; 5(4):785–9 (55 ref.)

BACILLUS THURINGIENSIS

PHYSIOLOGY

Viral and bacterial pathogens of insects. Crook NE, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:91S–96S (37 ref.)

BACK

PHYSIOLOGY

Exercise and arthritis. Exercise and the back. Liemohn W. **Rheum Dis Clin North Am** 1990 Nov;16(4):945–70 (75 ref.)

BACKACHE

Low back pain. Gavin MB, et al. **Curr Opin Rheumatol** 1991 Feb;3(1):65–70 (18 ref.)
Low back pain in adolescents. Dyment PG. **Pediatr Ann** 1991 Apr;20(4):170, 173–8 (7 ref.)
North American Spine Society: failure of the pathology model to predict back pain. Haldeman S. **Spine** 1990 Jul; 15(7):718–24 (63 ref.)
[Low-back pain during pregnancy] Orvieto R, et al. **Harefuah** 1990 Nov 15;119(10):330–1 (20 ref.) **(Heb)**

DIAGNOSIS

Percutaneous procedures for the diagnosis and treatment of lower back pain: diskography, facet-joint injection, and epidural injection. el-Khoury GY, et al. **AJR Am J Roentgenol** 1991 Oct;157(4):685–91 (58 ref.)
Low back pain. Murtagh J. **Aust Fam Physician** 1991 Mar; 20(3):320–3, 326 (1 ref.)
Artificial intelligence in the diagnosis of low back pain. Mann NH 3d, et al. **Orthop Clin North Am** 1991 Apr;22(2):303–14 (37 ref.)
Magnetic resonance imaging in the evaluation of low back pain. Modic MT, et al. **Orthop Clin North Am** 1991 Apr; 22(2):283–301 (44 ref.)
Painful internal disc derangements of the lumbosacral spine: discographic diagnosis and treatment by posterior lumbar interbody fusion. Schechter NA, et al. **Orthopedics** 1991 Apr;14(4):447–51 (43 ref.)
Normative database for trunk range of motion, strength, velocity, and endurance with the Isostation B-200 Lumbar Dynamometer. Gomez T, et al. **Spine** 1991 Jan;16(1):15–21 (49 ref.)

DRUG THERAPY

Treatment of low back pain. Rowlingson JC, et al. **Int Anesthesiol Clin** 1991 Winter;29(1):57–68 (24 ref.)
[Epidural steroid injection for low back pain] Ho ST, et al. **Ma Tsui Hsueh Tsa Chi** 1990 Jun;28(2):209–14 (40 ref.) **(Chi)**

ECONOMICS

Cost, controversy, crisis: low back pain and the health of the public. Deyo RA, et al. **Annu Rev Public Health** 1991; 12:141–56 (86 ref.)
An overview of the incidences and costs of low back pain. Frymoyer JW, et al. **Orthop Clin North Am** 1991 Apr; 22(2):263–71 (49 ref.)

EPIDEMIOLOGY

Review of UK data on the rheumatic diseases—7. Low back pain. Papageorgiou AC, et al. **Br J Rheumatol** 1991 Jun; 30(3):208–10 (22 ref.)
Low back pain: epidemiology, etiology, diagnostic evaluation, and therapy. Borenstein D. **Curr Opin Rheumatol** 1991 Apr;3(2):207–17 (59 ref.)
An overview of the incidences and costs of low back pain. Frymoyer JW, et al. **Orthop Clin North Am** 1991 Apr; 22(2):263–71 (49 ref.)
Low back pain/prolapsed lumbar intervertebral disc. Kelsey JL, et al. **Rheum Dis Clin North Am** 1990 Aug; 16(3):699–716 (132 ref.)
[Epidemiology of pain in the lower segment of the spine (review of foreign literature)] Toroptsova NV. **Klin Med (Mosk)** 1991 Jan;69(1):26–31 (40 ref.) **(Rus)**

ETIOLOGY

A molecular basis for low back pain in Western industrialized cultures. Gordon GA. **Med Hypotheses** 1990 Dec; 33(4):251–6 (43 ref.)
Industrial back pain complaints. A broader perspective. Battié MC, et al. **Orthop Clin North Am** 1991 Apr;22(2):273–82 (122 ref.)
Clinical implications of vibration-induced changes in the lumbar spine. Hansson T, et al. **Orthop Clin North Am** 1991 Apr;22(2):247–53 (51 ref.)
The current approach to the medical diagnosis of low back pain. McCowin PR, et al. **Orthop Clin North Am** 1991 Apr; 22(2):315–25 (64 ref.)
Common causes of low back pain in children. Afshani E, et al. **Radiographics** 1991 Mar;11(2):269–91 (37 ref.)
Low-back pain, its origin and risk indicators. Riihimäki H. **Scand J Work Environ Health** 1991 Apr;17(2):81–90 (143 ref.)
[Backache. Causes and treatment modalities] Hildebrandt J, et al. **Med Monatsschr Pharm** 1990 Sep;13(9):266–75 (16 ref.) **(Ger)**
[The role of episacroiliac lipomas as a cause of pseudolumbago-sciatica syndromes] Rosati E, et al. **Arch Putti Chir Organi Mov** 1990;38(2):339–47 (12 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Low back pain: review of diagnosis and therapy. Vukmir RB. **Am J Emerg Med** 1991 Jul;9(4):328–35 (72 ref.)
Neurogenic and nonneurogenic pain and inflammatory mediators. Weinstein J. **Orthop Clin North Am** 1991 Apr; 22(2):235–46 (80 ref.)
Back pain and spinal changes in microgravity. Wing PC, et al. **Orthop Clin North Am** 1991 Apr;22(2):255–62 (18 ref.)
[Pathophysiology of vertebrogenic lumbar and leg pain (pain, sensory disorders, paralysis): review related to clinical aspects] Benini A. **Schweiz Rundsch Med Prax** 1991 Feb 12;80(7):131–8 (14 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

[Psychologic and social factors in low-back pain] Paolaggi JB, et al. **Presse Med** 1990 Oct 13;19(33):1541–5 (29 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Lumbar discography followed by computed tomography. Refining the diagnosis of low-back pain. Bernard TN Jr. **Spine** 1990 Jul;15(7):690–707 (155 ref.)

REHABILITATION

Back pain and the exercise prescription. Foster DN, et al. **Clin Sports Med** 1991 Jan;10(1):197–209 (48 ref.)

SURGERY

Prevention of complications in surgical management of back pain and sciatica. Carlson G, et al. **Orthop Clin North Am** 1991 Apr;22(2):345–51 (39 ref.)

THERAPY

Lumbar pain in fast bowlers. Hardcastle P. **Aust Fam Physician** 1991 Jul;20(7):943, 946–51 (11 ref.)
[Lumbago: rest or movement?] Ernst E. **Fortschr Med** 1991 Apr 30;109(13):271–2 (21 ref.) (Eng. Abstr.) **(Ger)**

BACLOFEN

ADVERSE EFFECTS

Intrathecal baclofen overdose: report of 7 events in 5 patients and review of the literature. Delhaas EM, et al. **Int J Clin Pharmacol Ther Toxicol** 1991 Jul;29(7):274–80 (41 ref.)

PHARMACOLOGY

[Pharmacology of neural mechanisms of the motor system] Fukuda H. **Yakugaku Zasshi** 1991 Mar;111(3):147–57 (32 ref.) (Eng. Abstr.) **(Jpn)**

BACLOPHEN see **BACLOFEN**

BACTEREMIA see **SEPTICEMIA**

BACTERIA

Soil and groundwater transport of microorganisms. Berry DF, et al. **Biotechnology** 1991;15:57–73 (84 ref.)
Surface transport of microorganisms by water. Moore JA. **Biotechnology** 1991;15:41–55 (56 ref.)
Aerial dispersal of bacteria. Upper CD, et al. **Biotechnology** 1991;15:75–93 (71 ref.)
The interaction of organism, phagocyte and mesothelial cell. Stylianou E, et al. **Contrib Nephrol** 1990;85:30–8 (31 ref.)

ANALYSIS

Bacterial lipids containing amino acids or peptides linked by amide bonds. Asselineau J. **Fortschr Chem Org Naturst** 1991;56:1–85 (223 ref.)
Microbial lipids betrayed by their fossils. Ourisson G, et al. **Microbiol Sci** 1987 Feb;4(2):52–7 (29 ref.)

CLASSIFICATION

Associations between subgingival plaque bacterial morphotypes and clinical indices? Omar AA, et al. **J Clin Periodontol** 1991 Aug;18(7):555–66 (61 ref.)
[Oral bacterial flora and its pathogenic potential] Madinier I. **J Biol Buccale** 1991 Mar;19(1):3–15 (80 ref.) (Eng. Abstr.) **(Fre)**

CYTOLOGY

The bacterial flagellum and flagellar motor: structure, assembly and function. Jones CJ, et al. **Adv Microb Physiol** 1991;32:109–72 (317 ref.)
Regulation of the cell division cycle and differentiation in bacteria. Newton A, et al. **Annu Rev Microbiol** 1990; 44:689–719 (140 ref.)
To shape a cell: an inquiry into the causes of morphogenesis of microorganisms. Harold FM. **Microbiol Rev** 1990 Dec; 54(4):381–431 (305 ref.)
Microbial differentiation: the role of cellular asymmetry. Kelly DJ, et al. **Microbiol Sci** 1984 Dec;1(9):214–9 (29 ref.)

DRUG EFFECTS

Testing the susceptibility of bacteria in biofilms to antibacterial agents. Anwar H, et al. **Antimicrob Agents Chemother** 1990 Nov;34(11):2043–6 (48 ref.)
Influence of growth rate on susceptibility to antimicrobial agents: biofilms, cell cycle, dormancy, and stringent response. Gilbert P, et al. **Antimicrob Agents Chemother** 1990 Oct;34(10):1865–8 (43 ref.)
Antibacterial activities and modes of action of vancomycin and related glycopeptides. Nagarajan R. **Antimicrob Agents Chemother** 1991 Apr;35(4):605–9 (40 ref.)
Plasmid-encoded fosfomycin resistance. Suárez JE, et al. **Antimicrob Agents Chemother** 1991 May;35(5):791–5 (68 ref.)
Bacterial interactions with silver. Slawson RM, et al. **Biol Met** 1990;3(3–4):151–4 (28 ref.)
Ofloxacin, a bactericidal antibacterial. Smith JT. **Chemotherapy** 1991;37 Suppl 1:2–13 (79 ref.)
European standards for antibiotic susceptibility testing: towards a theoretical consensus. Baquero F. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):492–5 (11 ref.)
Newly documented antimicrobial activity of quinolones. Furet YX, et al. **Eur J Clin Microbiol Infect Dis** 1991 Apr; 10(4):249–54 (48 ref.)
Mode of action of the new quinolones: new data. Hooper DC, et al. **Eur J Clin Microbiol Infect Dis** 1991 Apr; 10(4):223–31 (52 ref.)
The mode of action of quinolones: the paradox in activity of low and high concentrations and activity in the anaerobic environment. Lewin CS, et al. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):240–8 (70 ref.)
Synergy and antagonism of combinations with quinolones. Neu HC. **Eur J Clin Microbiol Infect Dis** 1991 Apr; 10(4):255–61 (55 ref.)
Studies on the ecological impact of antibiotics. Nord CE. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):517–8 (4 ref.)
Prospects for standardisation of methods and guidelines for disc susceptibility testing. Williams JD. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):496–501 (7 ref.)
Remarks on the screening of antibiotics for antibacterial activity. Zak O, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):462–5 (16 ref.)
Musculoskeletal infection, microbial adhesion, and antibiotic resistance. Gristina AG, et al. **Infect Dis Clin North Am** 1990 Sep;4(3):391–408 (52 ref.)
Gamma-lactam analogues of beta-lactam antibiotics. Baldwin JE, et al. **J Antibiot (Tokyo)** 1991 Jan;44(1):1–24 (92 ref.)
New strategy for discovery of enzyme inhibitors: screening with intact mammalian cells or intact microorganisms having special functions. Tomoda H, et al. **J Antibiot (Tokyo)** 1990 Oct;43(10):1207–22 (81 ref.)
Continuous versus discontinuous antibiotic therapy: the role of the post-antibiotic effect and other factors. Daikos GK. **J Antimicrob Chemother** 1991 Feb;27(2):157–60 (27 ref.)
Usual and unusual antibacterial effects of quinolones. Furet YX, et al. **J Antimicrob Chemother** 1990 Oct;26 Suppl B:7–15 (60 ref.)
The in-vitro activity of cefodizime: a review. Soussy CJ, et al. **J Antimicrob Chemother** 1990 Nov;26 Suppl C:13–21 (8 ref.)
Effects of sanguinarine and Sanguinaria extract on the microbiota associated with the oral cavity. Walker C. **J Can Dent Assoc** 1990;56(7 Suppl):13–30 (24 ref.)
Dentifrices containing new agents for the control of plaque and gingivitis: microbiological aspects. Marsh PD. **J Clin Periodontol** 1991 Jul;18(6):462–7 (53 ref.)
Bovine mastitis—why does antibiotic therapy not always work? An overview. Sandholm M, et al. **J Vet Pharmacol Ther** 1990 Sep;13(3):248–60 (59 ref.)
Antibiotic pollution from fish farms: effects on aquatic microflora. Austin B. **Microbiol Sci** 1985;2(4):113–7 (16 ref.)
Copper resistance in bacteria. Trevors JT. **Microbiol Sci** 1987 Jan;4(1):29–31 (28 ref.)
New mechanisms of bacterial resistance to antimicrobial agents. Jacoby GA, et al. **N Engl J Med** 1991 Feb 28; 324(9):601–12 (180 ref.)
The effect of antibiotics on the function of the phagocytic system. Miler I, et al. **Padiatr Grenzgeb** 1990;29(5):377–85 (48 ref.)
Effects of beta-lactamase-mediated antimicrobial resistance: the role of beta-lactamase inhibitors. Maddux MS. **Pharmacotherapy** 1991;11(2 (Pt 2)):40S–50S (61 ref.)

Molecular modeling and quantitative structure-activity analysis of antibacterial sulfanilamides and sulfones. De Benedetti PG. **Prog Drug Res** 1991;36:361–417 (60 ref.)

The fluoroquinolone antibacterial agents. Rosen T. **Prog Med Chem** 1990;27:235–95 (113 ref.)

Ecological impact of antimicrobial prophylaxis on intestinal microflora in patients undergoing colorectal surgery. Brismar B, et al. **Scand J Infect Dis Suppl** 1990;70:25–30 (13 ref.)

Killing and regrowth of bacteria in vitro: a review. Craig WA, et al. **Scand J Infect Dis Suppl** 1990;74:63–70 (39 ref.)

Paradoxical effects of antibiotics. Holm SE, et al. **Scand J Infect Dis Suppl** 1990;74:113–7 (23 ref.)

Interaction between antimicrobial consumption and selection of resistant bacterial strains. Moellering RC Jr. **Scand J Infect Dis Suppl** 1990;70:18–24 (32 ref.)

Pharmacodynamics of antibiotics in experimental bacterial meningitis—two sides to rapid bacterial killing in the cerebrospinal fluid. Täuber MG, et al. **Scand J Infect Dis Suppl** 1990;74:173–8 (35 ref.)

Pharmacodynamic effects of subinhibitory antibiotic concentrations. Tornqvist IO, et al. **Scand J Infect Dis Suppl** 1990;74:94–101 (50 ref.)

Prediction of antibiotic dosing intervals from in vitro susceptibility, pharmacokinetics and post-antibiotic effect: theoretical considerations. Turnidge JD. **Scand J Infect Dis Suppl** 1990;74:137–41 (5 ref.)

Interactions between antibiotics and phagocytosis in bacterial killing. Van der Auwera P. **Scand J Infect Dis Suppl** 1990; 74:42–8 (43 ref.)

Effects of zinc oxide, rosin and resin acids and their combinations on bacterial growth and inflammatory cells. Söderberg TA. **Scand J Plast Reconstr Surg Suppl** 1990; 22:1–87 (193 ref.)

[Evaluation of the development of resistance as a factor for the limitation of therapeutic possibilities] Heisig P, et al. **Infection** 1991;19 Suppl 1:S47–51 (32 ref.) (Eng. Abstr.) **(Ger)**

[The role of lincosamide antibiotics in pediatrics] Scholz H, et al. **Z Arztl Fortbild (Jena)** 1990;84(22):1139–43 (19 ref.) **(Ger)**

[Effective microbiologic spectrum of gyrase inhibitors—indications and contraindications] Tauchnitz C. **Z Gesamte Inn Med** 1990 Sep 1;45(17):509–12 (22 ref.) (Eng. Abstr.) **(Ger)**

[New antimicrobial agent series XXXVII: potassium clavulanate/Ticarcillin sodium] Fujimori I. **Jpn J Antibiot** 1991 Apr;44(4):365–87 (31 ref.) **(Jpn)**

[Bacterial resistance against beta-lactam antibiotics] Andersen BM. **Tidsskr Nor Laegeforen** 1990 Oct 20; 110(25):3233–9 (52 ref.) (Eng. Abstr.) **(Nor)**

[The limitation and inhibition of microorganism viability by metal ions] Mel'nikova VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1991 Jun;(6):80–4 (49 ref.) **(Rus)**

[Ceftizoxime: a new aminothiazolyl-syn-methoxy-iminocephalosporin] Marcenac FM. **Medicina (B Aires)** 1990;50(2):163–70 (27 ref.) **(Spa)**

ENZYMOLOGY

Comparison of the primary structures of NAD(P)-dependent bacterial alcohol dehydrogenases. Wales MR, et al. **Adv Exp Med Biol** 1991;284:337–45 (36 ref.)

P450BM-3 and other inducible bacterial P450 cytochromes: biochemistry and regulation. Fulco AJ. **Annu Rev Pharmacol Toxicol** 1991;31:177–203 (137 ref.)

The structure and mechanism of iron-hydrogenases. Adams MW. **Biochim Biophys Acta** 1990 Nov 5;1020(2):115–45 (222 ref.)

Review article: structural and functional properties of cytochrome aa3 from bacteria. García-Horsman JA, et al. **Bol Estud Med Biol** 1990 Jan-Jun;38(1-2):29–40 (62 ref.)

Bacterial periplasmic permeases belong to a family of transport proteins operating from Escherichia coli to human: Traffic ATPases. Ames GF, et al. **FEMS Microbiol Rev** 1990 Aug;6(4):429–46 (120 ref.)

Bacterial NADH-quinone oxidoreductases. Yagi T. **J Bioenerg Biomembr** 1991 Apr;23(2):211–25 (88 ref.)

Temperature as a factor regulating the synthesis of microbial enzymes. Chaloupka J. **Microbiol Sci** 1985;2(3):86–90 (39 ref.)

Microbial amylases. Cornelis P. **Microbiol Sci** 1987 Nov; 4(11):342–3 (25 ref.)

Factors limiting the efficiency of cellulase enzymes. Saddler JN. **Microbiol Sci** 1986 Mar;3(3):84–7 (23 ref.)

Evolution of beta-lactamase inhibitors. Rolinson GN. **Surg Gynecol Obstet** 1991;172 Suppl:11–6 (33 ref.)

[The characterization of microbial lipases. 2. The determination of lipase specificity] Bariszlovich M, et al. **Nahrung** 1991;35(1):61–9 (60 ref.) (Eng. Abstr.) **(Ger)**

[The characterization of microbial lipases. 1. The determination of lipase activity] Bariszlovich M, et al. **Nahrung** 1990;34(8):701–17 (123 ref.) (Eng. Abstr.) **(Ger)**

[ATP-synthase of bacteria, mitochondria, and chloroplasts. Properties of the F(0) membrane sector] Ivashchenko AT, et al. **Biokhimiia** 1991 Mar;56(3):406–19 (103 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Regulation of transposition in bacteria. Kleckner N. **Annu Rev Cell Biol** 1990;6:297–327 (139 ref.)

Bacterial cell division. de Boer PA, et al. **Annu Rev Genet** 1990;24:249–74 (93 ref.)

Models for the population dynamics of transposable elements in bacteria. Condit R. **Biotechnology** 1991;15:151–71 (42 ref.)

Genetic exchange and genetic stability in bacterial populations. Istock CA. **Biotechnology** 1991;15:123–49 (100 ref.)

Quantifying fitness and gene stability in microorganisms. Lenski RE. **Biotechnology** 1991;15:173–92 (37 ref.)

Quantifying the spread of recombinant genes and organisms. Manasse R, et al. **Biotechnology** 1991;15:215–31 (36 ref.)

Factors affecting the transfer of genetic information among microorganisms in soil. Stotzky G, et al. **Biotechnology** 1991;15:95–122 (101 ref.)

A correlation of phylogenetic diversity in the Proteobacteria with the influences of ecological forces. Zavarzin GA, et al. **Can J Microbiol** 1991 Jan;37(1):1–6 (35 ref.)

Self-splicing introns in prokaryotes: migrant fossils? Belfort M. **Cell** 1991 Jan 11;64(1):9–11 (22 ref.)

The RecA protein: structure and function. Roca AI, et al. **Crit Rev Biochem Mol Biol** 1990;25(6):415–56 (192 ref.)

Screening of natural products for antimicrobial agents. Silver L, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul; 9(7):455–61 (27 ref.)

Prokaryotic genetic code. Osawa S, et al. **Experientia** 1990 Dec 1;46(11-12):1097–106 (33 ref.)

Haldane's solution of the Luria-Delbrück distribution. Sarkar S. **Genetics** 1991 Feb;127(2):257–61 (15 ref.)

The use of genomic DNA fingerprinting in studies of the epidemiology of bacteria in periodontitis. Genco RJ, et al. **J Clin Periodontol** 1991 Jul;18(6):396–405 (63 ref.)

Abrupt changes in antibiotic resistance. McGowan JE Jr. **J Hosp Infect** 1991 Jun;18 Suppl A:202–10 (35 ref.)

Mechanisms in microbial evolution. Arber W. **J Struct Biol** 1990 Jul-Sep;104(1-3):107–11 (17 ref.)

Organization of the bacterial chromosome. Krawiec S, et al. **Microbiol Rev** 1990 Dec;54(4):502–39 (388 ref.)

Molecular biology of bacterial bioluminescence. Meighen EA. **Microbiol Rev** 1991 Mar;55(1):123–42 (155 ref.)

Methods for isolating large bacterial plasmids. Gowland PC, et al. **Microbiol Sci** 1986 Aug;3(8):252–4 (26 ref.)

Large plasmids in bacteria. Part 2. Genetics and evolution. Hardman DJ, et al. **Microbiol Sci** 1985 Jun;2(6):184–90 (75 ref.)

Large plasmids in bacteria. Part 1. A survey of associated phenotypes. Hardman DJ, et al. **Microbiol Sci** 1985; 2(3):90–4 (42 ref.)

A possible role for DNA restriction in bacterial evolution. Price C, et al. **Microbiol Sci** 1986 Oct;3(10):296–9 (25 ref.)

Origin, evolution and dissemination of antibiotic resistance genes. Trieu-Cuot P, et al. **Microbiol Sci** 1987 Sep; 4(9):263–6 (26 ref.)

Evolution of isopenicillin N synthase genes may have involved horizontal gene transfer. Landan G, et al. **Mol Biol Evol** 1990 Sep;7(5):399–406 (20 ref.)

Transcriptional regulatory cascade of nitrogen-fixation genes in anoxygenic photosynthetic bacteria: oxygen- and nitrogen-responsive factors. Kranz RG, et al. **Mol Microbiol** 1990 Nov;4(11):1793–800 (49 ref.)

The Tn21 subgroup of bacterial transposable elements. Grinsted J, et al. **Plasmid** 1990 Nov;24(3):163–89 (123 ref.)

Implications for the release of genetically engineered organisms. Pickup RW, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:19S–30S (100 ref.)

Bacterial topoisomerases and the control of DNA supercoiling. Drlica K. **Trends Genet** 1990 Dec;6(12):433–7 (35 ref.)

[Genetic determinants of restriction-modification systems in bacteria] Kariagina AS. **Mol Gen Mikrobiol Virusol** 1990 Jul;(7):3–11 (105 ref.) (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Determination of bacterial growth and activity at solid-liquid interfaces. Geesey GG, et al. **Annu Rev Microbiol** 1990; 44:579–602 (124 ref.)

Probiotics in animal nutrition: a review. Vanbelle M, et al. **Arch Tierernahr** 1990 Jul;40(7):543–67 (322 ref.)

The postantibiotic effect: a review of in vitro and in vivo data. Zhanel GG, et al. **DICP** 1991 Feb;25(2):153–63 (86 ref.)

Public health implication of refrigerated pasteurized ('sous-vide') foods. Mossel DA, et al. **Int J Food Microbiol** 1991 Jul;13(3):187–206 (160 ref.)

Antagonistic effects of lactobacilli and pediococci to control intestinal colonization by human enteropathogens in live poultry. Juven BJ, et al. **J Appl Bacteriol** 1991 Feb; 70(2):95–103 (105 ref.)

Wound infection under occlusive dressings. Hutchinson JJ, et al. **J Hosp Infect** 1991 Feb;17(2):83–94 (87 ref.)

Novel growth systems. Wimpenny JW. **Microbiol Sci** 1985; 2(2):53–60 (54 ref.)

Emerging role of lactobacilli in the control and maintenance of the vaginal bacterial microflora. Redondo-Lopez V, et al. **Rev Infect Dis** 1990 Sep-Oct;12(5):856–72 (114 ref.)

The influence of various factors on the human resident skin flora. Hartmann AA. **Semin Dermatol** 1990 Dec;9(4):305–8 (27 ref.)

Allergenic and toxigenic micro-organisms in houses. Flannigan B, et al. **Soc Appl Bacteriol Symp Ser** 1991; 20:61S–73S (79 ref.)

Bacterial pathogens in domesticated animals and their environment. Hinton M, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:81S–90S (105 ref.)

[Regulation of the intestinal flora by food] Gedek BR. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2-3):277–301 (72 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Neutrophils, leukotrienes and bacteria. König W. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:58–67 (32 ref.)

Do infectious agents cause rheumatoid arthritis? Wilder RL, et al. **Clin Orthop** 1991 Apr;(265):36–41 (36 ref.)

Heat shock proteins as antigens of bacterial and parasitic pathogens. Shinnick TM. **Curr Top Microbiol Immunol** 1991;167:145–60 (102 ref.)

Regulation of magnitude of antibody response to bacterial polysaccharide antigens by thymus-derived lymphocytes. Baker PJ. **Infect Immun** 1990 Nov;58(11):3465–8 (37 ref.)

Possible applications of insect antibacterial peptides. Casteels P. **Res Immunol** 1990 Nov-Dec;141(9):940–2 (23 ref.)

ISOLATION & PURIFICATION

A microbiological and clinical review of the acute dentoalveolar abscess. Lewis MA, et al. **Br J Oral Maxillofac Surg** 1990 Dec;28(6):359–66 (86 ref.)

Identification of foodborne pathogens by nucleic acid hybridization. Hill WE, et al. **Int J Food Microbiol** 1991 Jan;12(1):67–75 (51 ref.)

Evaluation and interpretation of data obtained with immunoassays and DNA-DNA hybridization techniques. Notermans S, et al. **Int J Food Microbiol** 1990 Aug; 11(1):35–49 (79 ref.)

Immunological methods for detection of foodborne pathogens and their toxins. Notermans S, et al. **Int J Food Microbiol** 1991 Jan;12(1):91–102 (42 ref.)

New views on periodontal microbiota in special patient categories. Slots J, et al. **J Clin Periodontol** 1991 Jul; 18(6):411–20 (137 ref.)

Microbiology in the management of destructive periodontal disease. van Winkelhoff AJ, et al. **J Clin Periodontol** 1991 Jul;18(6):406–10 (33 ref.)

Selective isolation methods for fish pathogens. Shotts EB. **Soc Appl Bacteriol Symp Ser** 1991;20:75S–80S (52 ref.)

Applications of nucleic acid probes in veterinary infectious diseases. Paul PS. **Vet Microbiol** 1990 Sep;24(3-4):409–17 (61 ref.)

METABOLISM

Microbial transformations of herbicides and pesticides. Cork DJ, et al. **Adv Appl Microbiol** 1991;36:1–66 (149 ref.)

Microbial cytochromes P-450 and xenobiotic metabolism. Sariaslani FS. **Adv Appl Microbiol** 1991;36:133–78 (128 ref.)

Plastics from bacteria and for bacteria: poly(beta-hydroxyalkanoates) as natural, biocompatible, and biodegradable polyesters. Brandl H, et al. **Adv Biochem Eng Biotechnol** 1990;41:77–93 (133 ref.)

Formation and action of anticarcinogenic fatty acids. Pariza MW, et al. **Adv Exp Med Biol** 1991;289:269–72 (9 ref.)

Magnetotactic bacteria: microbiology, biomineralization, palaeomagnetism and biotechnology. Mann S, et al. **Adv Microb Physiol** 1990;31:125–81 (84 ref.)

Bacterial interactions with chromate. Cervantes C. **Antonie Van Leeuwenhoek** 1991 May;59(4):229–33 (59 ref.)

Mechanisms of bacterial resistance to antibiotics. Dever LA, et al. **Arch Intern Med** 1991 May;151(5):886–95 (144 ref.)

Iron and bacterial virulence—a brief overview. Griffiths E. **Biol Met** 1991;4(1):7–13 (83 ref.)

A model for diurnal patterns of carbon fixation in a Precambrian microbial mat based on a modern analog. Rothschild LJ. **Biosystems** 1991;25(1-2):13–23 (21 ref.)

Molecular mechanisms of sugar transport across mammalian and microbial cell membranes. Baldwin SA. **Biotechnol Appl Biochem** 1990 Oct;12(5):512–6 (32 ref.)

Glycolysis and related reactions during cheese manufacture and ripening. Fox PF, et al. **Crit Rev Food Sci Nutr** 1990; 29(4):237–53 (136 ref.)

Bacterial short chain fatty acids: their role in gastrointestinal disease. Ramakrishna BS, et al. **Dig Dis** 1990;8(6):337–45 (83 ref.)

Intracellular distribution and activity of antibiotics. Tulkens PM. **Eur J Clin Microbiol Infect Dis** 1991 Feb;10(2):100–6 (36 ref.)

Thiosulfate, polythionates and elemental sulfur assimilation and reduction in the bacterial world. Le Faou A, et al. **FEMS Microbiol Rev** 1990 Aug;6(4):351–81 (259 ref.)

Biosynthesis and composition of bacterial poly(hydroxyalkanoates). Anderson AJ, et al. **Int J Biol Macromol** 1990 Apr;12(2):102–5 (16 ref.)

Occurrence and formation of biologically active amines in foods. ten Brink B, et al. **Int J Food Microbiol** 1990 Aug; 11(1):73–84 (17 ref.)

The biodegradation of halogenated organic compounds. Neilson AH. **J Appl Bacteriol** 1990 Oct;69(4):445–70 (180 ref.)

Binding protein-dependent transport systems. Higgins CF, et al. **J Bioenerg Biomembr** 1990 Aug;22(4):571–92 (137 ref.)

Anion exchange reactions in bacteria. Maloney PC. **J Bioenerg Biomembr** 1990 Aug;22(4):509–23 (46 ref.)

Transport systems encoded by bacterial plasmids. Tisa LS, et al. **J Bioenerg Biomembr** 1990 Aug;22(4):493–507 (85

ref.)
Physiology and genetics of xylan degradation by gastrointestinal tract bacteria. Hespell RB, et al. **J Dairy Sci** 1990 Oct;73(10):3013–22 (53 ref.)
Recent advances in rumen microbial ecology and metabolism: potential impact on nutrient output. Mackie RI, et al. **J Dairy Sci** 1990 Oct;73(10):2971–95 (235 ref.)
Strategies of nutrient transport by ruminal bacteria. Russell JB, et al. **J Dairy Sci** 1990 Oct;73(10):2996–3012 (100 ref.)
Occurrence, metabolism, metabolic role, and industrial uses of bacterial polyhydroxyalkanoates. Anderson AJ, et al. **Microbiol Rev** 1990 Dec;54(4):450–72 (176 ref.)
Biodegradation of halogenated organic compounds. Chaudhry GR, et al. **Microbiol Rev** 1991 Mar;55(1):59–79 (191 ref.)
Microbial degradation of hydrocarbons in the environment. Leahy JG, et al. **Microbiol Rev** 1990 Sep;54(3):305–15 (157 ref.)
Cellulose biosynthesis and function in bacteria. Ross P, et al. **Microbiol Rev** 1991 Mar;55(1):35–58 (159 ref.)
Microbiological applications of NMR spectroscopy. Part 2. Baxter RL. **Microbiol Sci** 1985 Nov;2(11):340–5 (24 ref.)
Microbiological applications of NMR spectroscopy. Part 1. Baxter RL. **Microbiol Sci** 1985 Jul;2(7):203–6, 211 (17 ref.)
Controlled marine ecosystems in the investigation of oil biodegradation at sea. Bertrand JC. **Microbiol Sci** 1986 Jul; 3(7):197–200 (31 ref.)
Enzymes and genes of microbial autotrophy. Codd GA, et al. **Microbiol Sci** 1987 May;4(5):154–9 (54 ref.)
Membrane integration of carbohydrate transport in bacteria. Danchin A. **Microbiol Sci** 1987 Sep;4(9):267–9 (20 ref.)
Membrane systems in which foreign proton pumps are incorporated. Driessen AJ, et al. **Microbiol Sci** 1987 Jun; 4(6):173–80 (24 ref.)
The enigma of the alkaliphile. Grant WD. **Microbiol Sci** 1987 Aug;4(8):251–5 (32 ref.)
The molecular biology of symbiotic bacteria of aphididae. Ishikawa H, et al. **Microbiol Sci** 1986 Apr;3(4):117–20 (25 ref.)
Microbes and oil recovery. Moses V. **Microbiol Sci** 1987 Oct; 4(10):306–9 (9 ref.)
Siderophores of bacteria and fungi. Neilands JB. **Microbiol Sci** 1984 Apr;1(1):9–14 (36 ref.)
Experimental evolution of catabolic pathways of bacteria. Ramos JL, et al. **Microbiol Sci** 1987 Aug;4(8):228–37 (20 ref.)
Microbial degradation of chlorinated aromatic compounds. Sahasrabudhe SR, et al. **Microbiol Sci** 1987 Oct;4(10):300–3 (29 ref.)
Industrially useful microbial polysaccharides. Sutherland IW. **Microbiol Sci** 1986 Jan;3(1):5–9 (21 ref.)
Biotechnological applications of carboxydotrophic bacteria. Williams E, et al. **Microbiol Sci** 1986 May;3(5):149–53 (22 ref.)
Calcium in bacteria: a solution to which problem? Norris V, et al. **Mol Microbiol** 1991 Apr;5(4):775–8 (48 ref.)
Precursor/product antiport in bacteria. Poolman B. **Mol Microbiol** 1990 Oct;4(10):1629–36 (63 ref.)
Studies of "BLIS-ful" oral bacteria. Tagg JR. **N Z Dent J** 1991 Jan;87(387):14–6 (11 ref.)
Analyses of periodontal glycosaminoglycans and proteoglycans. Regulation by microbial, chemical and inflammatory factors. Larjava H, et al. **Proc Finn Dent Soc** 1991;87(2):287–98 (69 ref.)
Osmochemistry of solute translocation. Mitchell P. **Res Microbiol** 1990 Mar–Apr;141(3):286–9 (12 ref.)
Antibiotic uptake and transport by bacteria. Livermore DM. **Scand J Infect Dis Suppl** 1990;74:15–22 (40 ref.)
Phospholipid transport in microorganisms. Paltauf F, et al. **Subcell Biochem** 1990;16:279–99 (58 ref.)
Regulation of bacterial physiological processes by three types of protein phosphorylating systems. Saier MH Jr, et al. **Trends Biochem Sci** 1990 Oct;15(10):391–5 (30 ref.)
[Sugar and caries] Ketterl W. **Z Ernahrungswiss** 1990;29 Suppl 1:11–5 (12 ref.) (Eng. Abstr.) **(Ger)**
[Roles of cytochromes and H+ translocation in bacterial respiratory complexes] Sone N. **Tanpakushitsu Kakusan Koso** 1991 Apr;36(5):798–813 (92 ref.) **(Jpn)**
[The microbiological transformation and degradation of pyridine and alkyl pyridines] Dovgilevich EV. **Biol Nauki** 1990;(8):5–19 (49 ref.) (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Bacterial virulence: an environmental response. Kroll JS. **Arch Dis Child** 1991 Mar;66(3):361–3 (19 ref.)
Bacterial pathogens—a route to oral drug delivery. Dougan G, et al. **Biochem Soc Trans** 1990 Oct;18(5):746–8 (15 ref.)
Bacterial entry into eukaryotic cells. Falkow S. **Cell** 1991 Jun 28;65(7):1099–102 (25 ref.)
Cell adhesion and invasion mechanisms in microbial pathogenesis. Finlay BB. **Curr Opin Cell Biol** 1990 Oct; 2(5):815–20 (15 ref.)
Heat shock proteins as virulence factors of pathogens. Lathigra RB, et al. **Curr Top Microbiol Immunol** 1991; 167:125–43 (77 ref.)
Waterborne transmission and the evolution of virulence among gastrointestinal bacteria. Ewald PW. **Epidemiol Infect** 1991 Feb;106(1):83–119 (320 ref.)
Molecular biology of bacterial plant pathogens. Daniels MJ. **Microbiol Sci** 1984 May;1(2):33–6 (23 ref.)
Protein H1: a role for chromatin structure in the regulation of bacterial gene expression and virulence? Higgins CF, et al. **Mol Microbiol** 1990 Dec;4(12):2007–12 (52 ref.)
Selection and evolution of virulence in bacteria: an ecumenical excursion and modest suggestion. Levin BR, et al. **Parasitology** 1990;100 Suppl:S103–15 (92 ref.)
Parasite-host coevolution. May RM, et al. **Parasitology** 1990; 100 Suppl:S89–101 (50 ref.)
[Microbial pathogenicity factors and host defense mechanisms—parameters of post-traumatic infections] Schlüter B, et al. **Immun Infekt** 1991 Apr;19(2):50–4 (42 ref.) (Eng. Abstr.) **(Ger)**
[The direct and indirect tissue-damaging action of periodontally pathogenic bacteria] Matarasso S, et al. **Minerva Stomatol** 1991 Apr;40(4):211–7 (13 ref.) (Eng. Abstr.) **(Ita)**
[Pathogenesis induced by bacterial proteinases—versatile pathological mechanisms at molecular level] Maeda H. **Seikagaku** 1991 Jan;63(1):14–21 (39 ref.) **(Jpn)**
[The microevolution of anthropophilic prokaryotes as a factor altering the activity of epidemic processes. The microevolution of pathogenicity] Kalina GP. **Zh Mikrobiol Epidemiol Immunobiol** 1991 May;(5):71–4 (51 ref.) **(Rus)**
[Successes and the outlook in the study of pathogenic microorganisms in vivo in the implanted chamber model] Kuliash Glu, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1991 Apr;(4):72–6 (30 ref.) **(Rus)**
[Environmental modulation of bacterial virulence] Martínez JL. **Enferm Infecc Microbiol Clin** 1990 Dec;8(10):635–42 (83 ref.) **(Spa)**

PHYSIOLOGY

Polysaccharide utilization by human colonic bacteria. Salyers AA. **Adv Exp Med Biol** 1990;270:151–8 (19 ref.)
The physiological activity of bacteria attached to solid surfaces. Fletcher M. **Adv Microb Physiol** 1991;32:53–85 (174 ref.)
Signaling mechanisms in microorganisms: common themes in the evolution of signal transduction pathways. Kincaid RL. **Adv Second Messenger Phosphoprotein Res** 1991; 23:165–84 (77 ref.)
Relationship between intestinal microecology and the translocation of intestinal bacteria. Wells CL. **Antonie Van Leeuwenhoek** 1990 Aug;58(2):87–93 (30 ref.)
Bacterial haemolysin and mammalian P-glycoprotein. Holland IB, et al. **Biochem Soc Trans** 1991 Apr;19(2):252–5 (22 ref.)
Microbially controlled drug delivery to the colon. Rubinstein A. **Biopharm Drug Dispos** 1990 Aug–Sep;11(6):465–75 (48 ref.)
Is there a role for lactobacilli in prevention of urogenital and intestinal infections? Reid G, et al. **Clin Microbiol Rev** 1990 Oct;3(4):335–44 (133 ref.)
Catheter-associated biofilm. Holmes CJ. **Contrib Nephrol** 1990;85:49–56 (31 ref.)
Engineering considerations for the application of extremophiles in biotechnology. Ludlow JM, et al. **Crit Rev Biotechnol** 1991;10(4):321–45 (175 ref.)
Bacteria-phagocyte interactions: emerging tactics in an ancient rivalry. Cross AS, et al. **FEMS Microbiol Immunol** 1990 Dec;2(5–6):245–58 (83 ref.)
DNA supercoiling and environmental regulation of gene expression in pathogenic bacteria. Dorman CJ. **Infect Immun** 1991 Mar;59(3):745–9 (58 ref.)
Interaction between parasite and tick vector. Friedhoff KT. **Int J Parasitol** 1990 Jul;20(4):525–35 (54 ref.)
Dental bacterial plaques. Nature and role in periodontal disease. Christersson LA, et al. **J Clin Periodontol** 1991 Jul;18(6):441–6 (52 ref.)
Plaque and chronic inflammatory periodontal disease. A question of ecology. Newman HN. **J Clin Periodontol** 1990 Sep;17(8):533–41 (132 ref.)
Contribution of electron microscopy in the study of the interactions between pathogenic bacteria and their host cells. Ryter A. **J Struct Biol** 1990 Jul–Sep;104(1–3):163–8 (30 ref.)
Ecological strategies of barophilic bacteria in the deep ocean. Deming JW. **Microbiol Sci** 1986 Jul;3(7):205–11 (36 ref.)
Physiology of soil oligotrophic bacteria. Hattori T. **Microbiol Sci** 1984 Jul;1(4):102–4 (12 ref.)
Haloadaptation: salt sensing and cell-envelope changes. Russell NJ, et al. **Microbiol Sci** 1985 Nov;2(11):345–50 (39 ref.)
Molecular aspects of microbial ice nucleation. Warren G, et al. **Mol Microbiol** 1991 Feb;5(2):239–43 (31 ref.)
Discrimination between intracellular uptake and surface adhesion of bacterial pathogens. Isberg RR. **Science** 1991 May 17;252(5008):934–8 (57 ref.)
The bacterial flagellar motor. Blair DF. **Semin Cell Biol** 1990 Apr;1(2):75–85 (84 ref.)
The role of microorganisms in atopic dermatitis. Svejgaard E. **Semin Dermatol** 1990 Dec;9(4):255–61 (50 ref.)
[Bacterial anti-Ig activity] Del Piano M, et al. **Ann Ig** 1989 Nov–Dec;1(6):1431–43 (34 ref.) (Eng. Abstr.) **(Ita)**
[The extracellular lectins of bacteria] Kovalenko EA. **Mikrobiol Zh** 1990 May–Jun;52(3):92–9 (53 ref.) **(Rus)**
[What are toxins to microbes? (the role of toxins in bacterial ecology)] Domaradskii IV. **Mol Gen Mikrobiol Virusol** 1990 Sep;(9):3–10 (120 ref.) (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Mechanical behaviour of bacterial cell walls. Thwaites JJ, et al. **Adv Microb Physiol** 1991;32:173–222 (90 ref.)
Ultrastructure and composition of refractile bodies found in certain bacteria. Gibson I, et al. **Electron Microsc Rev** 1988; 1(1):39–68 (40 ref.)
New aspects of bacterial ultrastructure as revealed by modern acrylics for electron microscopy. Hobot JA. **J Struct Biol** 1990 Jul–Sep;104(1–3):169–77 (40 ref.)
The superficial protein arrays on bacteria. Koval SF, et al. **Microbiol Sci** 1986 Dec;3(12):357–61 (20 ref.)
How do bacterial nuclei divide? Sargent MG. **Microbiol Sci** 1985 Aug;2(8):235–9 (35 ref.)
Microbial colonization in human periodontal disease: an illustrated tutorial on selected ultrastructural and ecologic considerations. Cobb CM, et al. **Scanning Microsc** 1990 Sep; 4(3):675–90; discussion 690–1 (148 ref.)

BACTERIA, AEROBIC

Role of newer antimicrobial agents in the treatment of mixed aerobic and anaerobic infections. Karam GH, et al. **Surg Gynecol Obstet** 1991;172 Suppl:57–64 (74 ref.)

ISOLATION & PURIFICATION

Intra-abdominal abscess in children: a 13-year experience. Brook I. **Hosp Pract [Off]** 1990 Oct;25 Suppl 4:20–3 (23 ref.)
[Distribution and antibiotic resistance of aerobic bacteria isolated from infected wounds caused by burns] Szabó J, et al. **Orv Hetil** 1991 Mar 31;132(13):687–90, 693 (22 ref.) (Eng. Abstr.) **(Hun)**

BACTERIA, ANAEROBIC

Treatment of infections caused by anaerobes. Wilson WR. **J Chemother** 1991 Feb;3 Suppl 2:7–11 (19 ref.)
Current thoughts of non-sporing anaerobes in health and disease. Chatterjee BD, et al. **J Indian Med Assoc** 1990 Aug;88(8):232–3 (21 ref.)
Bacteremia due to anaerobic bacteria in newborns. Brook I. **J Perinatol** 1990 Dec;10(4):351–6 (53 ref.)
Anaerobic infections. The basics for primary care physicians. Feleke G, et al. **Postgrad Med** 1991 Jun;89(8):221–4, 227–30, 233–4 (21 ref.)
Role of newer antimicrobial agents in the treatment of mixed aerobic and anaerobic infections. Karam GH, et al. **Surg Gynecol Obstet** 1991;172 Suppl:57–64 (74 ref.)
[Asporogenic anaerobic empyema—clinical and bacteriological investigations of 31 patients with anaerobic empyema] Takahashi M, et al. **Kansenshogaku Zasshi** 1990 Oct;64(10):1295–304 (25 ref.) (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Review article: metronidazole and the anaerobic gut flora. Elliott TS, et al. **Aliment Pharmacol Ther** 1990 Jun; 4(3):227–38 (43 ref.)
A review of the antimicrobial activity of the fluoroquinolones. Maple P, et al. **J Chemother** 1990 Oct; 2(5):280–94 (112 ref.)
Antimicrobial therapy of anaerobic infections, 1991. Sanders CV, et al. **Pharmacotherapy** 1991;11(2 (Pt 2)):72S–79S (57 ref.)

ENZYMOLOGY

Formate dehydrogenase. Ferry JG. **FEMS Microbiol Rev** 1990 Dec;7(3–4):377–82 (50 ref.)

ISOLATION & PURIFICATION

Intra-abdominal abscess in children: a 13-year experience. Brook I. **Hosp Pract [Off]** 1990 Oct;25 Suppl 4:20–3 (23 ref.)
[Non-clostridium anaerobic infections in abdominal surgery] Shevchuk MG, et al. **Klin Khir** 1991;(1):46–9 (56 ref.) **(Rus)**
[Recent developments in the pathogenesis and treatment of anaerobic infections] Namikoğlu L. **Mikrobiyol Bul** 1990 Oct;24(4):386–95 (29 ref.) (Eng. Abstr.) **(Tur)**

METABOLISM

Microbial aggregates in anaerobic wastewater treatment. Kosaric N, et al. **Adv Biochem Eng Biotechnol** 1990; 42:27–62 (208 ref.)
Microbial anaerobic respiration. Moodie AD, et al. **Adv Microb Physiol** 1990;31:225–69 (189 ref.)
Lipid metabolism in anaerobic ecosystems. Mackie RI, et al. **Crit Rev Microbiol** 1991;17(6):449–79 (280 ref.)
Regulation of aerobic and anaerobic metabolism in facultative anaerobes: a role for cytochrome a1. Keevil CW. **Microbiol Sci** 1984 Oct;1(7):175–8 (30 ref.)
Microbial problems with waste from potato-starch processing. Nanninga HJ, et al. **Microbiol Sci** 1986 Jun; 3(6):179–82 (36 ref.)
Bacterial energy transductions coupled to sodium ions. Dimroth P. **Res Microbiol** 1990 Mar–Apr;141(3):332–6 (19 ref.)

PATHOGENICITY

Pathogenic anaerobic bacteria of man. Watt B, et al.

Microbiol Sci 1986 Mar;3(3):88–92 (17 ref.)
[Non-clostridial anaerobic infection of the oral cavity and the ORL organs] Mironov AIu. **Vestn Otorinolaringol** 1990 Nov-Dec;(6):76–8 (20 ref.) **(Rus)**

PHYSIOLOGY

The microflora of the gut: recent findings and implications. van der Waaij D. **Dig Dis** 1991;9(1):36–48 (70 ref.)
Physiology and ecology of the sulphate-reducing bacteria. Gibson GR. **J Appl Bacteriol** 1990 Dec;69(6):769–97 (265 ref.)

BACTERIAL ADHESION

see related
PILI, BACTERIAL

The physiological activity of bacteria attached to solid surfaces. Fletcher M. **Adv Microb Physiol** 1991;32:53–85 (174 ref.)
Interactions of bacteria with extracellular matrix proteins. Hook M, et al. **Cell Differ Dev** 1990 Dec 2;32(3):433–8 (14 ref.)
New lectins and other putative adhesins in Aeromonas hydrophila. Ascencio F, et al. **Experientia** 1991 May 15; 47(5):414–6 (13 ref.)
Musculoskeletal infection, microbial adhesion, and antibiotic resistance. Gristina AG, et al.
Infect Dis Clin North Am 1990 Sep;4(3):391–408 (52 ref.)
Lectins: mediators of adhesion for bacteria in infectious diseases and for tumor cells in metastasis. Beuth J, et al.
Int J Med Microbiol 1990 Dec;274(3):350–8 (47 ref.)
Bacterial adhesion in oligotrophic habitats. Marshall KC.
Microbiol Sci 1985 Nov;2(11):321–2, 325–6 (25 ref.)
Discrimination between intracellular uptake and surface adhesion of bacterial pathogens. Isberg RR. **Science** 1991 May 17;252(5008):934–8 (57 ref.)
[Bacterial adhesion as a pathogenetic factor in infections] Fischer E. **Z Arztl Fortbild (Jena)** 1990;84(17):865–7 (11 ref.) **(Ger)**

DRUG EFFECTS

Effect of pefloxacin on microorganism: host cell interaction. Desnottes JF, et al. **J Antimicrob Chemother** 1990 Oct;26 Suppl B:17–26 (30 ref.)

IMMUNOLOGY

Antibacterial host factors in the urinary tract. Sobel JD, et al. **Adv Intern Med** 1991;36:131–50 (86 ref.)
Comparison of antiadherence activity of bladder extracts from interstitial cystitis patients with recurrent urinary tract infections. Ruggieri MR, et al. **Semin Urol** 1991 May; 9(2):136–42 (54 ref.)

PHYSIOLOGY

Bacterial adherence as a virulence factor in urinary tract infection. De Man P, et al. **APMIS** 1990 Dec; 98(12):1053–60 (64 ref.)
Surface proteins of coagulase-negative staphylococci: their role in adherence to biomaterials and in opsonization. Fleer A, et al. **J Biomater Appl** 1990 Oct;5(2):154–65 (26 ref.)
Bacterial polymers: physicochemical aspects of their interactions at interfaces. Neu TR, et al.
J Biomater Appl 1990 Oct;5(2):107–33 (159 ref.)
Physical chemical description of bacterial adhesion. van Loosdrecht MC, et al. **J Biomater Appl** 1990 Oct; 5(2):91–106 (77 ref.)
Role of host and bacterial factors in modulating staphylococcal adhesion to implanted polymer surfaces. Vaudaux P, et al. **J Biomater Appl** 1990 Oct;5(2):134–53 (57 ref.)
How do bacteria attach to solid surfaces? Fletcher M. **Microbiol Sci** 1987 May;4(5):133–6 (31 ref.)

BACTERIAL ANTIBODIES see **ANTIBODIES, BACTERIAL**

BACTERIAL ANTIGENS see **ANTIGENS, BACTERIAL**

BACTERIAL CONJUGATION see **CONJUGATION, GENETIC**

BACTERIAL CONJUNCTIVITIS see **CONJUNCTIVITIS, BACTERIAL**

BACTERIAL COUNT see **COLONY COUNT, MICROBIAL**

BACTERIAL DNA see **DNA, BACTERIAL**

BACTERIAL EYE INFECTIONS see **EYE INFECTIONS, BACTERIAL**

BACTERIAL GENE EXPRESSION REGULATION see **GENE EXPRESSION REGULATION, BACTERIAL**

BACTERIAL GENE PRODUCTS see **BACTERIAL PROTEINS**

BACTERIAL GENE PROTEINS see **BACTERIAL PROTEINS**

BACTERIAL INFECTIONS

The pathogenesis of sepsis. Bone RC. **Ann Intern Med** 1991 Sep 15;115(6):457–69 (141 ref.)
Infectious diarrhea. Rubinoff MJ, et al. **Annu Rev Med** 1991; 42:403–10 (49 ref.)
Gram-negative sepsis. Background, clinical features, and intervention. Bone RC. **Chest** 1991 Sep;100(3):802–8 (48 ref.)
Sepsis syndrome, the adult respiratory distress syndrome, and nosocomial pneumonia. A common clinical sequence. Niederman MS, et al. **Clin Chest Med** 1990 Dec; 11(4):633–56 (154 ref.)
Exit-site infection in CAPD: a review. Luzar MA.
Contrib Nephrol 1990;85:57–66 (33 ref.)
Infected necrosis: morbidity and therapeutic consequences. Banks PA. **Hepatogastroenterology** 1991 Apr;38(2):116–9 (24 ref.)
Bacterial meningitis in neonates and children. Sáez-Llorens X, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):623–44 (80 ref.)
Infectious diarrhoea. Conlon CP, et al.
Int J Colorectal Dis 1990 Dec;5(4):236–40 (47 ref.)
Community-acquired pneumonia: the clinical dilemma. Bowton DL, et al. **J Thorac Imaging** 1991 Jul;6(3):1–5 (26 ref.)
Special problems of urinary tract infection in the elderly. Baldassarre JS, et al. **Med Clin North Am** 1991 Mar; 75(2):375–90 (76 ref.)
Prostatitis. Meares EM Jr. **Med Clin North Am** 1991 Mar; 75(2):405–24 (49 ref.)
Bacterial etiologic agents in the pathogenesis of urinary tract infection. Sobel JD. **Med Clin North Am** 1991 Mar; 75(2):253–73 (125 ref.)
The catheter and urinary tract infection. Warren JW.
Med Clin North Am 1991 Mar;75(2):481–93 (74 ref.)
Acute lobar nephronia: a review. Rathore MH, et al.
Pediatrics 1991 May;87(5):728–34 (25 ref.)
[A new pathogenic organism in human disease. Dysyonic fermenter type 2 infection] Zhang J.
Chung Hua I Hsueh Tsa Chih 1991 Jan;71(1):51–3 (16 ref.) **(Chi)**
[Nosocomial bacterial pneumonia] Habscheid W.
Dtsch Med Wochenschr 1990 Dec 7;115(49):1876–81 (45 ref.) **(Ger)**
[Infection of vascular prosthesis] Zimmerli W.
Fortschr Med 1990 Oct 30;108(31):595–7 (22 ref.) (Eng. Abstr.) **(Ger)**
[Spontaneous bacterial peritonitis in the cirrhotic patient] Ribera E, et al. **An Med Interna** 1991 Jun;8 Suppl 2:44–8 (5 ref.) **(Spa)**
[Severe infections of the soft tissues] Cambronero JA, et al.
Enferm Infecc Microbiol Clin 1989;7 Suppl 1:16–22 (35 ref.) **(Spa)**
[Infections caused by Corynebacterium group 2] Fernández-Roblas R, et al.
Enferm Infecc Microbiol Clin 1991 Mar;9(3):168–71 (37 ref.) **(Spa)**
[Pneumonia caused by Branhamella catarrhalis. A well-documented case (letter)] Gómez Garcés JL, et al.
Enferm Infecc Microbiol Clin 1991 Jan;9(1):65–6 (10 ref.) **(Spa)**
[Spontaneous bacterial peritonitis] Pascual J, et al.
Enferm Infecc Microbiol Clin 1989 Nov;7(9):491–500 (145 ref.) **(Spa)**
[Acute peritonitis. Etiopathogenic and therapeutic considerations] Quintana E, et al.
Enferm Infecc Microbiol Clin 1989;7 Suppl 1:12–5 (36 ref.) **(Spa)**

BLOOD

[C-reactive protein in patients with infection] Ahlers AA, et al. **Ugeskr Laeger** 1990 Dec 31;153(1):13–6 (29 ref.) (Eng. Abstr.) **(Dan)**

CHEMICALLY INDUCED

The gastropulmonary route of infection--fact or fiction? Tryba M. **Am J Med** 1991 Aug 8;91(2A):135S–146S (65 ref.)

CLASSIFICATION

Definitions, classification, and clinical presentation of urinary tract infections. Johnson CC. **Med Clin North Am** 1991 Mar;75(2):241–52 (58 ref.)

COMPLICATIONS

Cutaneous manifestations of bacterial and viral disorders in pregnancy. Smith LG Jr, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):792–800 (25 ref.)
Bronchial hyperresponsiveness and bacterial respiratory infections. Cazzola M, et al. **Clin Ther** 1991 Jan-Feb; 13(1):157–71 (86 ref.)
Infection as a trigger to connective tissue disease. Goldenberg DL. **Curr Opin Rheumatol** 1990 Aug;2(4):648–51 (21 ref.)
Spectrum of Aeromonas and Plesiomonas infections in patients with cancer and AIDS. Rolston KV, et al.
Experientia 1991 May 15;47(5):437–9 (11 ref.)
Update on infections in neutropenic hosts. Gulick PG.
J Am Osteopath Assoc 1990 Oct;90(10):920–5 (32 ref.)
Therapy for acute infectious diarrhea in children. Pickering LK. **J Pediatr** 1991 Apr;118(4 (Pt 2)):S118–28 (101 ref.)
Bacterial translocation of the gut flora. Deitch EA.
J Trauma 1990 Dec;30(12 Suppl):S184–9 (41 ref.)
Etiology of multiple organ failure. Meakins JL. **J Trauma** 1990 Dec;30(12 Suppl):S165–8 (16 ref.)
Epidemiology, natural history, and management of urinary tract infections in pregnancy. Andriole VT, et al.
Med Clin North Am 1991 Mar;75(2):359–73 (71 ref.)
Urinary tract infection in the impaired host. Korzeniowski OM. **Med Clin North Am** 1991 Mar;75(2):391–404 (74 ref.)
Childhood exanthems. Old and new. Frieden IJ, et al.
Pediatr Clin North Am 1991 Aug;38(4):859–87 (131 ref.)
Subclinical infection as a cause of preterm delivery. Gibbs RS. **Pediatr Infect Dis J** 1990 Oct;9(10):777 (9 ref.)
The clinicopathologic spectrum of bacillary (epithelioid) angiomatosis. Cockerell CJ. **Prog AIDS Pathol** 1990; 2:111–26 (11 ref.)
[Respiratory tract infection and acute deterioration of obstructive lung disease] Clementsen PS, et al.
Ugeskr Laeger 1991 May 6;153(19):1336–9 (30 ref.) (Eng. Abstr.) **(Dan)**
[Idiopathic preterm delivery and subclinical genital infection] Svare JA, et al. **Ugeskr Laeger** 1991 Apr 29;153(18):1260–2 (30 ref.) (Eng. Abstr.) **(Dan)**
[A case of infected solitary renal cyst treated with percutaneous puncture and drainage] Koh E, et al.
Hinyokika Kiyo 1991 Apr;37(4):381–4 (46 ref.) (Eng. Abstr.) **(Jpn)**
[Case of primary aorto-jejunal fistula caused by gram-positive cocci] Tsukamoto Y, et al.
Nippon Geka Gakkai Zasshi 1991 Jun;92(6):750–2 (9 ref.) (Eng. Abstr.) **(Jpn)**
[Reflux--nephropathy in children] Paunova SS. **Pediatriia** 1991;(4):101–5 (88 ref.) **(Rus)**
[The role of different microorganisms and infectious processes in the occurrence and course of bronchial asthma] Vishniakova LA. **Ter Arkh** 1990;62(11):59–62 (21 ref.) (Eng. Abstr.) **(Rus)**
[The use of antimicrobials in renal insufficiency] Pascual J, et al. **Enferm Infecc Microbiol Clin** 1990 Feb;8(2):97–107 (89 ref.) **(Spa)**

DIAGNOSIS

Biotechnology-based methods for the detection, enumeration and epidemiology of food poisoning and spoilage organisms. Dodd CE, et al. **Biotechnol Genet Eng Rev** 1990; 8:1–52 (264 ref.)
The role of bronchoalveolar lavage in diagnosing nonopportunistic bacterial pneumonia [see comments] Meduri GU, et al. **Chest** 1991 Jul;100(1):179–90 (85 ref.) Comment in: Chest 1991 Jul;100(1):1–2.
Use of the infectious disease laboratory in emergency medicine. Dietrich W, et al.
Emerg Med Clin North Am 1991 May;9(2):251–71 (125 ref.)
DNA probes for diagnosis of intestinal infection. Char S, et al. **Gut** 1991 Jan;32(1):1–3 (35 ref.)
Review of modern trends in the treatment of chronic bacterial prostatitis (C.B.P.). Baert L, et al. **Infection** 1991; 19 Suppl 3:S157–9 (12 ref.)
The technique of polymerase chain reaction--a new diagnostic tool in microbiology and other scientific fields (review). Thiele D. **Int J Med Microbiol** 1990 Sep; 273(4):431–54 (97 ref.)
Clinical utility of lactic acid measurement in body fluids other than plasma. Nanji AA, et al. **J Emerg Med** 1984;1(6):521–6 (42 ref.)
Bacterial and protozoal gastroenteritis. Guerrant RL, et al. **N Engl J Med** 1991 Aug 1;325(5):327–40 (228 ref.)
Bacterial meningitis: an update. Shelton MM, et al.
Neurol Clin 1990 Aug;8(3):605–17 (108 ref.)
Evaluation and management of serious bacterial infections in the febrile young infant. Bonadio WA.
Pediatr Infect Dis J 1990 Dec;9(12):905–12 (56 ref.)
Nonanthrax Bacillus infections of the central nervous system. Weisse ME, et al. **Pediatr Infect Dis J** 1991 Mar;10(3):243–6 (32 ref.)
Anaerobic infections. The basics for primary care physicians. Feleke G, et al. **Postgrad Med** 1991 Jun;89(8):221–4, 227–30, 233–4 (21 ref.)
Invasive techniques in the diagnosis of bacterial pneumonia in the intensive care unit. Chauncey JB, et al.
Semin Respir Infect 1990 Sep;5(3):215–25 (66 ref.)
Upper urinary tract infection: the current role of CT, ultrasound, and MRI. Goldman SM, et al.
Semin Ultrasound CT MR 1991 Aug;12(4):335–60 (68 ref.)
Diagnosis and treatment of prostatic infections. Schaeffer AJ.
Urology 1990 Nov;36(5 Suppl):13–7 (17 ref.)
[The polymerase chain reaction used in microbiologic diagnosis] Ostergaard LJ, et al. **Ugeskr Laeger** 1991 Jan 7;153(2):91–4 (30 ref.) (Eng. Abstr.) **(Dan)**
[Unexplained fever or inflammatory syndrome. Diagnostic value of liver puncture-biopsy] Henrion J, et al.
Presse Med 1991 Mar 16;20(10):461–4 (22 ref.) (Eng. Abstr.) **(Fre)**
[The diagnosis of infection in pregnancy at risk] Hoyme UB.
Gynakologe 1990 Oct;23(5):266–72 (17 ref.) **(Ger)**
[Bacteriologic diagnosis in suspicion of bacterial infection in newborn infants--a review] Spencker FB, et al.
Padiatr Grenzgeb 1991;30(3):183–92 (54 ref.) (Eng. Abstr.) **(Ger)**
[Value of microbiologic studies for diagnosis of post-enteritis reactive arthritis] Müller KD. **Z Rheumatol** 1990 Nov-Dec; 49(6):364–8 (27 ref.) (Eng. Abstr.) **(Ger)**

[Methods for diagnosing amniotic fluid infection] Mazor M, et al. **Harefuah** 1991 Feb 1;120(3):148–50 (20 ref.) **(Heb)**

[Diagnostic and therapeutic problems in a severe case of bacterial contamination of the small intestine] Biró L, et al. **Orv Hetil** 1991 Mar 3;132(9):475–7 (30 ref.) (Eng. Abstr.) **(Hun)**

[Mixed bacterial and viral infections of the urogenital tract] Dmitriev GA. **Vestn Dermatol Venerol** 1990;(6):29–33 (51 ref.) **(Rus)**

DRUG THERAPY

Bacteria causing respiratory infections in children and their sensitivity to antibiotics. Stančic MA. **Acta Med Austriaca** 1990;17(4):82–4 (20 ref.)

The place of quinolones in bacterial infections. Neu HC. **Adv Intern Med** 1991;36:1–32 (145 ref.)

Cephalosporins: rationale for clinical use. Molavi A. **Am Fam Physician** 1991 Mar;43(3):937–48 (42 ref.)

Failure of infection control in intensive care units: can sucralfate improve the situation? Weinstein RA. **Am J Med** 1991 Aug 8;91(2A):132S–134S (15 ref.)

Ampicillin/sulbactam—a combination of an old and a new agent in the treatment of infection. Kerins DM. **Am J Med Sci** 1991 Jun;301(6):406–11 (35 ref.)

Overview of infectious diseases, Part 2. Acuncius LJ, et al. **Am Pharm** 1990 Nov;NS30(11):58–61 (8 ref.)

Once-daily aminoglycoside therapy. Gilbert DN. **Antimicrob Agents Chemother** 1991 Mar;35(3):399–405 (71 ref.)

Which respiratory anti-infective agent? Bannister B. **Br J Clin Pract** 1990 Aug;44(8):321–3 (4 ref.)

Overall clinical utility of the intramuscular preparation of imipenem/cilastatin. MacGregor RR. **Chemotherapy** 1991; 37 Suppl 2:53–7 (12 ref.)

Newer concepts in antimicrobial therapy. Gentry LO. **Clin Orthop** 1990 Dec;(261):23–6 (12 ref.)

Clindamycin in the treatment of obstetric and gynecologic infections: a review. Zambrano D. **Clin Ther** 1991 Jan–Feb; 13(1):58–80 (138 ref.)

Acute and chronic bacterial prostatitis: a review of treatment approaches. Kot T, et al. **Compr Ther** 1990 Aug;16(8):54–9 (18 ref.)

Clinical trials of selective decontamination of the digestive tract: review. Reidy JJ, et al. **Crit Care Med** 1990 Dec; 18(12):1449–56 (38 ref.)

Teicoplanin. A review of its antibacterial activity, pharmacokinetic properties and therapeutic potential [published erratum appears in Drugs 1991 May;41(5):716] Campoli-Richards DM, et al. **Drugs** 1990 Sep;40(3):449–86 (217 ref.)

Monoclonal anti-endotoxin antibodies for the treatment of gram-negative bacteremia and septic shock. Baumgartner JD. **Eur J Clin Microbiol Infect Dis** 1990 Oct;9(10):711–6 (30 ref.)

Correlation between pharmacokinetics, pharmacodynamics and efficacy of antibacterial agents in animal models. Dalhoff A, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul; 9(7):479–87 (39 ref.)

The clinical evaluation of antibacterial drugs: guidelines of the British Society for Antimicrobial Chemotherapy. Finch RG. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):542–7 (8 ref.)

Guidelines of the World Health Organization for clinical trials with antimicrobial agents. Lunde I. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):548–51 (3 ref.)

Use of quinolones in the immunocompromised host. Maiche AG. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):361–7 (28 ref.)

Potential role of fluoroquinolones in the treatment of bacterial meningitis. Modai J. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):291–5 (25 ref.)

The design of clinical trials with antibiotics. Norrby SR. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):523–9 (8 ref.)

Use of quinolones in pediatrics. Schaad UB. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):355–60 (36 ref.)

Evaluation of quinolones in experimental animal models of infections. Scheld WM. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):275–90 (86 ref.)

Treatment of intra-abdominal infections with quinolones. Smith JA. **Eur J Clin Microbiol Infect Dis** 1991 Apr; 10(4):330–3 (17 ref.)

Animal models as predictors of the safety and efficacy of antibiotics. Zak O, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):472–8 (50 ref.)

Antibiotic therapy of acute bacterial meningitis. Shendurnikar N, et al. **Indian Pediatr** 1990 Oct; 27(10):1139–44 (11 ref.)

Aztreonam. Tunkel AR, et al. **Infect Control Hosp Epidemiol** 1990 Sep;11(9):486–94 (72 ref.)

General principles of therapy of pyogenic meningitis. Täuber MG, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):661–76 (77 ref.)

The role of quinolones in the treatment of chronic bacterial prostatitis. Naber KG. **Infection** 1991;19 Suppl 3:S170–7 (62 ref.)

Rationale for the use of antimicrobial agents in periodontal disease. Loesche WJ. **Int J Technol Assess Health Care** 1990;6(3):403–17 (71 ref.)

Infections due to gram-positive organisms in children: possible role for teicoplanin. Dagan R, et al. **J Antimicrob Chemother** 1991 Apr;27 Suppl B:37–41 (21 ref.)

Cefodizime in clinical use: a review of the clinical trial reports. Grassi GG. **J Antimicrob Chemother** 1990 Nov;26 Suppl C:117–25 (0 ref.)

The role of gram-positive therapy in the neutropenic patient. Menichetti F, et al. **J Antimicrob Chemother** 1991 Apr;27 Suppl B:51–60 (30 ref.)

Treatment of infections caused by anaerobes. Wilson WR. **J Chemother** 1991 Feb;3 Suppl 2:7–11 (19 ref.)

New aspects of antimicrobial resistance and the resulting therapeutic dilemmas. Murray BE. **J Infect Dis** 1991 Jun; 163(6):1184–94 (93 ref.)

Trends in bacterial resistance and implications for treatment of infections. Lima MB, et al. **J Int Med Res** 1990;18 Suppl 4:3D–5D (4 ref.)

Role of new cephamycins in the management of obstetric and gynecologic infections. Jones RN. **J Reprod Med** 1990 Nov;35(11 Suppl):1070–7 (24 ref.)

Role of cephamycins in obstetrics and gynecology. Sweet RL. **J Reprod Med** 1990 Nov;35(11 Suppl):1064–9 (34 ref.)

Management of acute uncomplicated urinary tract infection in adults. Hooton TM, et al. **Med Clin North Am** 1991 Mar;75(2):339–57 (62 ref.)

Management of urinary tract infections in children. Sherbotie JR, et al. **Med Clin North Am** 1991 Mar;75(2):327–38 (31 ref.)

Choice and duration of antibiotics in open fractures. Wilkins J, et al. **Orthop Clin North Am** 1991 Jul;22(3):433–7 (21 ref.)

Antibiotic treatment of bacterial gastroenteritis. Ashkenazi S, et al. **Pediatr Infect Dis J** 1991 Feb;10(2):140–8 (107 ref.)

Current antibacterial therapy for neonatal sepsis and meningitis. Klein JO. **Pediatr Infect Dis J** 1990 Oct; 9(10):783–4 (4 ref.)

Adjuncts to the therapy of bacterial meningitis. Tuomanen E. **Pediatr Infect Dis J** 1990 Oct;9(10):782–3 (24 ref.)

Newer quinolones in the treatment of continuous ambulatory peritoneal dialysis (CAPD) related infections. Nikolaidis P. **Perit Dial Int** 1990;10(2):127–33 (64 ref.)

Gynaecological infections and strategies for treatment. Roex AJ. **Pharm Weekbl [Sci]** 1990 Dec 14;12(6A):268–74 (31 ref.)

Advances in understanding the pharmacology of agents used to treat bacterial meningitis. Spector R. **Pharmacology** 1990; 41(3):113–8 (25 ref.)

Monotherapy versus combination antimicrobial therapy: a review. Barriere SL. **Pharmacotherapy** 1991;11(2 (Pt 2)):64S–71S (50 ref.)

The use of aztreonam in pediatric patients: a review. Bosso JA, et al. **Pharmacotherapy** 1991;11(1):20–5 (47 ref.)

Antimicrobial therapy of anaerobic infections, 1991. Sanders CV, et al. **Pharmacotherapy** 1991;11(2 (Pt 2)):72S–79S (57 ref.)

Cefmetazole sodium: pharmacology, pharmacokinetics, and clinical trials. Schentag JJ. **Pharmacotherapy** 1991; 11(1):2–19 (76 ref.)

Pharmacotherapy of otitis media. Thoene DE, et al. **Pharmacotherapy** 1991;11(3):212–21 (102 ref.)

Antibiotics for common infections in the elderly. Cummings DM, et al. **Prim Care** 1990 Dec;17(4):883–903 (70 ref.)

Spectrum and treatment of bacterial infections in cancer patients with granulocytopenia. Calandra T. **Recent Results Cancer Res** 1991;121:329–36 (31 ref.)

Clinical experience with aztreonam for treatment of infections in children. Stutman HR. **Rev Infect Dis** 1991 May–Jun;13 Suppl 7:S582–5 (20 ref.)

Liposomes and lipid carriers in the treatment of microbial infections. Bakker-Woudenberg IA, et al. **Scand J Infect Dis Suppl** 1990;74:34–41 (49 ref.)

Teicoplanin therapy in children: a review. Bassetti D, et al. **Scand J Infect Dis Suppl** 1990;72:35–7 (12 ref.)

Human pharmacodynamics of beta-lactams, aminoglycosides and their combination. Drusano GL. **Scand J Infect Dis Suppl** 1990;74:235–48 (30 ref.)

Impact of the antibiotic dosage schedule on efficacy in experimental soft tissue infections. Gerber AU. **Scand J Infect Dis Suppl** 1990;74:147–54 (18 ref.)

Antibiotic resistance in Europe and the current use of antibiotics in severe pediatric infections. Levy J. **Scand J Infect Dis Suppl** 1990;73:23–9 (50 ref.)

Interaction between antimicrobial consumption and selection of resistant bacterial strains. Moellering RC Jr. **Scand J Infect Dis Suppl** 1990;70:18–24 (32 ref.)

Efficacy and safety of antibiotic treatment in relation to treatment time. Norrby SR. **Scand J Infect Dis Suppl** 1990; 74:262–9 (24 ref.)

Pharmacodynamic effects of subinhibitory antibiotic concentrations. Tornqvist IO, et al. **Scand J Infect Dis Suppl** 1990;74:94–101 (50 ref.)

Efficacy and safety of aminoglycosides once-a-day: experimental and clinical data. Tulkens PM. **Scand J Infect Dis Suppl** 1990;74:249–57 (50 ref.)

Prediction of antibiotic dosing intervals from in vitro susceptibility, pharmacokinetics and post-antibiotic effect: theoretical considerations. Turnidge JD. **Scand J Infect Dis Suppl** 1990;74:137–41 (5 ref.)

Antibiotic choices in surgical intensive care unit patients. Reed RL 2d. **Surg Clin North Am** 1991 Aug;71(4):765–89 (184 ref.)

Treatment of bacterial skin and soft tissue infections. File TM Jr, et al. **Surg Gynecol Obstet** 1991;172 Suppl:17–24 (45 ref.)

Role of newer antimicrobial agents in the treatment of mixed aerobic and anaerobic infections. Karam GH, et al. **Surg Gynecol Obstet** 1991;172 Suppl:57–64 (74 ref.)

Bacterial prostatitis: new methods of treatment. Aagaard J, et al. **Urology** 1991;37(3 Suppl):4–8 (12 ref.)

[Treatment of local infection with taurolin] Burri C. **Aktuel Probl Chir Orthop** 1990;34:78–84 (7 ref.) **(Ger)**

[Progress of antibiotic therapy in pediatrics] Simon C. **Infection** 1991;19 Suppl 1:S61–4 (11 ref.) (Eng. Abstr.) **(Ger)**

[Urinary tract infection in childhood—an overview. 2. Therapy] Misselwitz J, et al. **Kinderarztl Prax** 1991 Mar; 59(3):64–7 (18 ref.) (Eng. Abstr.) **(Ger)**

[Bacterial diseases of the skin in general practice] Hübner U, et al. **Z Arztl Fortbild (Jena)** 1990;84(23):1194–7 (8 ref.) **(Ger)**

[The role of lincosamide antibiotics in pediatrics] Scholz H, et al. **Z Arztl Fortbild (Jena)** 1990;84(22):1139–43 (19 ref.) **(Ger)**

[Effective microbiologic spectrum of gyrase inhibitors—indications and contraindications] Tauchnitz C. **Z Gesamte Inn Med** 1990 Sep 1;45(17):509–12 (22 ref.) (Eng. Abstr.) **(Ger)**

[New antibiotics for gynecologic infections] Schlaeffer F, et al. **Harefuah** 1990 Sep;119(5–6):148–50 (29 ref.) **(Heb)**

[Bacterial infections. Progress and new prospects in chemo-antibiotic therapy] Olivieri A, et al. **Clin Ter** 1991 Jan 15;136(1):53–61 (19 ref.) (Eng. Abstr.) **(Ita)**

[New antimicrobial agent series XXXVII: potassium clavulanate/Ticarcillin sodium] Fujimori I. **Jpn J Antibiot** 1991 Apr;44(4):365–87 (31 ref.) **(Jpn)**

[Beta-lactam antibiotics] Rozmysłowicz T. **Pol Tyg Lek** 1990 Sep 3–10;45(36–37):757–61 (58 ref.) **(Pol)**

[Early detection of the nephrotoxic effect of aminoglycosides] Tenerowicz R, et al. **Przegl Lek** 1990; 47(7):565–7 (0 ref.) **(Pol)**

[New quinolones: similarities and differences] Levi GC. **AMB Rev Assoc Med Bras** 1989 Oct–Dec;35(5):202–6 (37 ref.) (Eng. Abstr.) **(Por)**

[Errors in antibiotic therapy] Poliak MS. **Antibiot Khimioter** 1990 Aug;35(8):48–51 (22 ref.) **(Rus)**

[Sulbactam-ampicillin combination—a drug of broad antibacterial spectrum] Savko V. **Antibiot Khimioter** 1991 Jan;36(1):51–5 (42 ref.) **(Rus)**

[Antibacterial therapy of acute pancreatitis] Egiev VN, et al. **Sov Med** 1991;(1):29–32 (69 ref.) **(Rus)**

[The antibacterial therapy of infectious lung lesions] Martsinovskiĭ VIu, et al. **Ter Arkh** 1990;62(9):8–15 (39 ref.) **(Rus)**

[Current state of the problem of antibiotic therapy of surgical infection in the abdominal cavity] Zubarev PN, et al. **Vestn Khir** 1990 Apr;144(4):145–8 (34 ref.) **(Rus)**

[The use of antimicrobials in renal insufficiency] Pascual J, et al. **Enferm Infecc Microbiol Clin** 1990 Feb;8(2):97–107 (89 ref.) **(Spa)**

[Role of the new beta lactams in severe infections. Imipenem and aztreonam: indications and limitations] Sánchez C, et al. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:67–75 (65 ref.) **(Spa)**

ECONOMICS

Urinary tract infection: economic considerations. Patton JP, et al. **Med Clin North Am** 1991 Mar;75(2):495–513 (94 ref.)

EPIDEMIOLOGY

Recent developments in STDs: I. Bacterial diseases. Handsfield HH. **Hosp Pract (Off Ed)** 1991 Jul 15; 26(7):47–56 (8 ref.)

Disinfection and endoscopy: the clinical risks of infection. Cowen AE. **J Gastroenterol Hepatol** 1991 Jan–Feb; 6(1):25–30 (104 ref.)

Infection in orthopaedic implants. Sanderson PJ. **J Hosp Infect** 1991 Jun;18 Suppl A:367–75 (20 ref.)

Epidemiology and natural history of urinary tract infections in children. Stull TL, et al. **Med Clin North Am** 1991 Mar; 75(2):287–97 (69 ref.)

Central venous catheter related sepsis: a clinical review. Putterman C. **Resuscitation** 1990 Aug;20(1):1–16 (128 ref.)

[The microevolution of anthropophilic prokaryotes as a factor altering the activity of epidemic processes. The microevolution of pathogenicity] Kalina GP. **Zh Mikrobiol Epidemiol Immunobiol** 1991 May;(5):71–4 (51 ref.) **(Rus)**

[Infective complications after liver transplant] Paya CV, et al. **Enferm Infecc Microbiol Clin** 1989 May;7(5):270–6 (24 ref.) **(Spa)**

ETIOLOGY

Progress in pathogenesis and management of clinical intraamniotic infection. Gibbs RS, et al. **Am J Obstet Gynecol** 1991 May;164(5 Pt 1):1317–26 (47 ref.)

Infection and the burn patient [see comments] Pruitt BA Jr. **Br J Surg** 1990 Oct;77(10):1081–2 (8 ref.) Comment in: Br J Surg 1991 Feb;78(2):248.

Catheter-related infections and associated septicemia.

Norwood S, et al. **Chest** 1991 Apr;99(4):968–75 (65 ref.)

Infectious diseases associated with complement deficiencies. Figueroa JE, et al. **Clin Microbiol Rev** 1991 Jul;4(3):359–95 (392 ref.)

Association of transfusion with postoperative bacterial infection. Triulzi DJ, et al. **Crit Rev Clin Lab Sci** 1990; 28(2):95–107 (77 ref.)

Surgical treatment of septic arthritis and infected prostheses. Hanssen AD. **Curr Opin Rheumatol** 1990 Feb;2(1):154–9 (18 ref.)

Pathogenesis and pathophysiology of meningitis. Tunkel AR, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):555–81 (142 ref.)

Lectins: mediators of adhesion for bacteria in infectious diseases and for tumor cells in metastasis. Beuth J, et al. **Int J Med Microbiol** 1990 Dec;274(3):350–8 (47 ref.)

Kingella kingae intervertebral disk infection. Amir J, et al. **J Clin Microbiol** 1991 May;29(5):1083–6 (40 ref.)

Meningitis in a neonate caused by Leuconostoc sp. Friedland IR, et al. **J Clin Microbiol** 1990 Sep;28(9):2125–6 (11 ref.)

Septic bursitis of the foot: diagnosis, management and end-result. Lawson KS, et al. **J Foot Surg** 1990 Jul–Aug; 29(4):379–84 (13 ref.)

Molecular aspects of bacterial adhesion, colonization, and development of infections associated with biomaterials. Wadström T. **J Invest Surg** 1989;2(4):353–60 (40 ref.)

Prosthetic infections due to bacterial biofilms: clinical and experimental observations. Bandyk DF. **J Vasc Surg** 1991 May;13(5):757–8 (9 ref.)

Pathogenesis of vascular graft infections. Chaudhary R, et al. **J Vasc Surg** 1991 May;13(5):755–6 (11 ref.)

The effect of transfusions on the incidence of bacterial infection. Scorza LB, et al. **Milit Med** 1990 Jul;155(7):337–9 (28 ref.)

Cerebrospinal fluid shunt infections. Report of 41 cases and a critical review of the literature. Quigley MR, et al. **Pediatr Neurosci** 1989;15(3):111–20 (50 ref.)

Bacterial tracheitis: report of eight new cases and review. Donnelly BW, et al. **Rev Infect Dis** 1990 Sep–Oct; 12(5):729–35 (42 ref.)

[Infection by the hematogenic route of closed vertebral fracture: apropos of a case and review of the literature] Rombouts-Godin V, et al. **Rev Chir Orthop** 1990; 76(8):591–7 (33 ref.) (Eng. Abstr.) **(Fre)**

[Diabetes mellitus and infections] Brisseau JM, et al. **Rev Med Interne** 1989 Sep–Oct;10(5):435–41 (80 ref.) **(Fre)**

[Infectious complications due to central venous polymeric catheters] Kurz RW, et al. **Anaesthesist** 1991 May; 40(5):262–70 (110 ref.) (Eng. Abstr.) **(Ger)**

[Surgical sepsis: myths and realities] De Salvo L, et al. **G Chir** 1989 Mar;10(3):81–7 (35 ref.) (Eng. Abstr.) **(Ita)**

[Bacterial vaginitis] Kira EF. **Akush Ginekol (Mosk)** 1990 Aug;(8):10–3 (44 ref.) **(Rus)**

[Chronic endometritis] Popova TV. **Akush Ginekol (Mosk)** 1990 Aug;(8):13–6 (46 ref.) **(Rus)**

[The role of the immune system in the pathogenesis and treatment of suppurative-inflammatory diseases after cesarean section] Timoshenko LV, et al. **Akush Ginekol (Mosk)** 1990 Nov;(11):9–12 (63 ref.) **(Rus)**

[Suppurative complications in reconstructive surgery of the aorta and arteries of the lower extremities] Genyk SN, et al. **Khirurgiia (Mosk)** 1990 Nov;(11):147–50 (51 ref.) **(Rus)**

[Non-clostridial anaerobic infection of the oral cavity and the ORL organs] Mironov AIu. **Vestn Otorinolaringol** 1990 Nov–Dec;(6):76–8 (20 ref.) **(Rus)**

[Successes and the outlook in the study of pathogenic microorganisms in vivo in the implanted chamber model] Kuliash GIu, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1991 Apr;(4):72–6 (30 ref.) **(Rus)**

GENETICS

Molecular genetics of inherited susceptibility to intracellular parasites. Schurr E, et al. **Behring Inst Mitt** 1991 Feb; (88):1–12 (42 ref.)

IMMUNOLOGY

Complement genetics and host defence. Lachmann PJ. **Int J Med Microbiol** 1990 Dec;274(3):316–24 (11 ref.)

Endotoxin as an alarm signal of bacterial invasion: current evidence and implications. LeGrand EK. **J Am Vet Med Assoc** 1990 Aug 15;197(4):454–6 (40 ref.)

How T lymphocytes kill infected cells. Berke G. **Microbiol Sci** 1985;2(2):44–6, 51–2 (39 ref.)

The immunology of sepsis and meningitis—cytokine biology. Jacobs RF, et al. **Scand J Infect Dis Suppl** 1990;73:7–15 (52 ref.)

Antimicrobial defenses in the neonate. Quie PG. **Semin Perinatol** 1990 Aug;14(4 Suppl 1):2–9 (37 ref.)

[Relationship between the immune system and heat shock proteins. A literature review] Döcke WD, et al. **Allerg Immunol (Leipz)** 1990;36(4):209–23 (146 ref.) (Eng. Abstr.) **(Ger)**

[Some clinical aspects of therapeutic administration of iron preparations in childhood: iron and infections] Handrick W, et al. **Kinderarztl Prax** 1991 Mar;59(3):55–9 (28 ref.) (Eng. Abstr.) **(Ger)**

[Bacterial anti-Ig activity] Del Piano M, et al. **Ann Ig** 1989 Nov–Dec;1(6):1431–43 (34 ref.) (Eng. Abstr.) **(Ita)**

[The role of complement system in infections] Garred P. **Tidsskr Nor Laegeforen** 1991 Jan 10;111(1):53–8 (56 ref.) (Eng. Abstr.) **(Nor)**

[Immunopathogenic processes in infectious pulmonary diseases] Păunescu E. **Rev Ig Med Muncii Med Soc Bacteriol Virusol Parazitol Epidemiol Pneumoftiziol Pneumoftiziol** 1990 Jan–Mar; 39(1):5–14 (24 ref.) **(Rum)**

[The immune response in pediatric infections] Martín Mateos MA. **An Esp Pediatr** 1989 Sep;31 Suppl 38:20–4 (14 ref.) **(Spa)**

METABOLISM

Cytokines and glucocorticoids in the regulation of the "hepato-skeletal muscle axis" in sepsis. Fischer JE, et al. **Am J Surg** 1991 Feb;161(2):266–71 (30 ref.)

Changes in pulmonary surfactant during bacterial pneumonia. Brogden KA. **Antonie Van Leeuwenhoek** 1991 May; 59(4):215–23 (39 ref.)

Oxygen consumption in sepsis and septic shock. Tuchschmidt J, et al. **Crit Care Med** 1991 May;19(5):664–71 (71 ref.)

MICROBIOLOGY

Screening and treatment of infections caused by resistant enterococci. Herman DJ, et al. **Antimicrob Agents Chemother** 1991 Feb;35(2):215–9 (76 ref.)

Patterns of bacterial infection in calves implanted with artificial hearts. Burns GL, et al. **ASAIO Trans** 1990 Jul–Sep;36(3):M138–40 (14 ref.)

Bacterial vaginosis. Sobel JD. **Br J Clin Pract Symp Suppl** 1990 Sep;71:65–9 (18 ref.)

Plesiomonas shigelloides—associated diarrhea. Yeh TJ, et al. **Chung Hua I Hsueh Tsa Chih** 1991 May;47(5):362–8 (35 ref.)

Branhamella catarrhalis: an organism gaining respect as a pathogen. Catlin BW. **Clin Microbiol Rev** 1990 Oct; 3(4):293–320 (329 ref.)

Waterborne transmission and the evolution of virulence among gastrointestinal bacteria. Ewald PW. **Epidemiol Infect** 1991 Feb;106(1):83–119 (320 ref.)

Re-examination of Rattus norvegicus as an animal model for Aeromonas-associated enteritis in man. Haberberger RL Jr, et al. **Experientia** 1991 May 15;47(5):426–9 (13 ref.)

Bacteriological and clinical aspects of Aeromonas-associated diarrhea in The Netherlands. Kuijper EJ, et al. **Experientia** 1991 May 15;47(5):432–4 (6 ref.)

Bacterial meningitis in adults. Wispelwey B, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):645–59 (61 ref.)

Pathogenic neisseriae—a model of bacterial virulence and genetic flexibility. Meyer TF. **Int J Med Microbiol** 1990 Nov;274(2):135–54 (95 ref.)

Gram-positive infections related to CAPD. Williams JD, et al. **J Antimicrob Chemother** 1991 Apr;27 Suppl B:31–5 (26 ref.)

Wound infection under occlusive dressings. Hutchinson JJ, et al. **J Hosp Infect** 1991 Feb;17(2):83–94 (87 ref.)

Abrupt changes in antibiotic resistance. McGowan JE Jr. **J Hosp Infect** 1991 Jun;18 Suppl A:202–10 (35 ref.)

Pathogenesis and management of lung disease in cystic fibrosis. Zach MS. **J R Soc Med** 1991;84 Suppl 18:10–7 (88 ref.)

Host defense mechanisms in the pathogenesis of urinary tract infection. Measley RE Jr, et al. **Med Clin North Am** 1991 Mar;75(2):275–86 (96 ref.)

Bacteriology of neonatal sepsis. Klein JO. **Pediatr Infect Dis J** 1990 Oct;9(10):778 (7 ref.)

Epidemiology of acute respiratory infections in children of developing countries. Berman S. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S454–62 (55 ref.)

Serious infections involving the CDC group Ve bacteria Chryseomonas luteola and Flavimonas oryzihabitans. Hawkins RE, et al. **Rev Infect Dis** 1991 Mar–Apr; 13(2):257–60 (19 ref.)

Gram-negative colonization of the respiratory tract: pathogenesis and clinical consequences. Niederman MS. **Semin Respir Infect** 1990 Sep;5(3):173–84 (56 ref.)

Aeromonads and their significance as potential pathogens in water. Schubert RH. **Soc Appl Bacteriol Symp Ser** 1991; 20:131S–135S (22 ref.)

Bacterial translocation. Edmiston CE Jr, et al. **Surg Gynecol Obstet** 1991 Jul;173(1):73–83 (84 ref.)

[The receptors for bacterial enterotoxins] Lucas F, et al. **Ann Rech Vet** 1991;22(2):127–45 (50 ref.) (Eng. Abstr.) **(Fre)**

[Bacterial adhesion as a pathogenetic factor in infections] Fischer E. **Z Arztl Fortbild (Jena)** 1990;84(17):865–7 (11 ref.) **(Ger)**

[Microbiologic diagnosis, antibacterial chemotherapy and prevention in dental care—a review] Handrick W, et al. **Z Arztl Fortbild (Jena)** 1991 Apr 25;85(8):353–8 (57 ref.) **(Ger)**

[Distribution and antibiotic resistance of aerobic bacteria isolated from infected wounds caused by burns] Szabó J, et al. **Orv Hetil** 1991 Mar 31;132(13):687–90, 693 (22 ref.) (Eng. Abstr.) **(Hun)**

[Comparative study of the microbiological components in urinary infection (UTI)] Nava L, et al. **G Ital Chemioter** 1989 Jan–Dec;36(1–3):69–87 (37 ref.) (Eng. Abstr.) **(Ita)**

[Tetridamine in the therapy of bacterial vaginosis] Pugliares S, et al. **Minerva Ginecol** 1991 May;43(5):245–51 (36 ref.) (Eng. Abstr.) **(Ita)**

[Asporogenic anaerobic empyema—clinical and bacteriological investigations of 31 patients with anaerobic empyema] Takahashi M, et al. **Kansenshogaku Zasshi** 1990 Oct;64(10):1295–304 (25 ref.) (Eng. Abstr.) **(Jpn)**

[Pathogenesis induced by bacterial proteinases—versatile pathological mechanisms at molecular level] Maeda H. **Seikagaku** 1991 Jan;63(1):14–21 (39 ref.) **(Jpn)**

[Neisseria spp. New microbiological aspects] Pérez JL, et al. **Enferm Infecc Microbiol Clin** 1989 Dec;7(10):551–8 (76 ref.) **(Spa)**

[Molecular mechanisms of invasion and virulence in strains of the mesophilic aeromonas group isolated from human beings] Reina J. **Enferm Infecc Microbiol Clin** 1991 Feb; 9(2):106–10 (43 ref.) **(Spa)**

[Recent developments in the pathogenesis and treatment of anaerobic infections] Namikoğlu L. **Mikrobiyol Bul** 1990 Oct;24(4):386–95 (29 ref.) (Eng. Abstr.) **(Tur)**

PATHOLOGY

Suppurative oral candidosis. Review of the literature and report of a case. McManners J, et al. **Int J Oral Maxillofac Surg** 1990 Oct;19(5):257–9 (15 ref.)

[Necrotizing infections of the soft tissues. Apropos of 40 cases] Sánchez Porto A, et al. **Enferm Infecc Microbiol Clin** 1991 Jan;9(1):22–5 (34 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Pathophysiology and treatment of gram-negative sepsis. DiPiro JT. **Am J Hosp Pharm** 1990 Nov;47(11 Suppl 3):S6–10 (16 ref.)

The role of systemic and intrauterine infection in preterm parturition. Romero R, et al. **Ann N Y Acad Sci** 1991; 622:355–75 (172 ref.)

Host-pathogen relationships in respiratory tract infections. Verhoef J. **Clin Ther** 1991 Jan–Feb;13(1):172–80 (52 ref.)

In vitro cardiac function in early sepsis. McDonough KH, et al. **J Med** 1990;21(1–2):27–49 (22 ref.)

The natural history of urinary infection in adults. Ronald AR, et al. **Med Clin North Am** 1991 Mar;75(2):299–312 (53 ref.)

The impact of infection on the outcome of transplantation. Rubin RH, et al. **Transplant Proc** 1991 Aug;23(4):2068–74 (44 ref.)

[Cytokines and their role in the pathogenesis and therapy of infections] Viadro MM. **Antibiot Khimioter** 1990 Sep; 35(9):12–4 (15 ref.) **(Rus)**

[Environmental modulation of bacterial virulence] Martínez JL. **Enferm Infecc Microbiol Clin** 1990 Dec;8(10):635–42 (83 ref.) **(Spa)**

PREVENTION & CONTROL

Prosthetic joint infections. A role for prophylaxis. Blackburn WD Jr, et al. **Arthritis Rheum** 1991 Jan;34(1):110–7 (51 ref.)

The use of antibiotics in the prevention of post-operative infection: a re-appraisal [see comments] Longman LP, et al. **Br Dent J** 1991 Apr 6;170(7):257–62 (55 ref.) Comment in: Br Dent J 1991 May 25;170(10):365.

Selective parenteral and enteral antisepsis regimen (SPEAR). Gould IM. **Br J Hosp Med** 1990 Sep;44(3):209–11 (45 ref.)

Rational principles for immunoglobulin prophylaxis and therapy of neonatal infections. Kliegman RM, et al. **Clin Perinatol** 1991 Jun;18(2):303–24 (82 ref.)

Review of cefotaxime sodium for surgical prophylaxis. A model for the evolution toward single-dose or short-course cost-effective regimens [published erratum appears in Diagn Microbiol Infect Dis 1991 Mar–Apr;14(2):190] Jones RN. **Diagn Microbiol Infect Dis** 1990 Jul–Aug;13(4):317–27 (87 ref.)

Role of quinolones in surgical prophylaxis. Mandell LA. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):368–77 (43 ref.)

Selective decontamination of the digestive tract in hepatobiliary surgery: a concept. Slooff MJ, et al. **HPB Surg** 1990 Mar;2(1):1–5 (39 ref.)

Antibiotic prophylaxis for dental patients with joint prostheses? A decision analysis. Jacobson JJ, et al. **Int J Technol Assess Health Care** 1990;6(4):569–87 (60 ref.)

Quinolones in perspective. Neu HC. **J Antimicrob Chemother** 1990 Oct;26 Suppl B:1–6 (12 ref.)

New uses of intravenous immune globulin in newborn infants. Baker CJ. **J Clin Immunol** 1990 Nov;10(6 Suppl):47S–52S; discussion 52S–55S (18 ref.)

Procurement, banking and decontamination of bone and collagenous tissue allografts: guidelines for infection control. Angermann P, et al. **J Hosp Infect** 1991 Mar; 17(3):159–69 (83 ref.)

The challenge of prophylaxis in cesarean section in the 1990s. Galask RP. **J Reprod Med** 1990 Nov;35(11 Suppl):1078–81 (10 ref.)

Utilizing vascular prostheses for drug delivery. Greco RS. **J Vasc Surg** 1991 May;13(5):753–5 (10 ref.)

Enteric vaccines. Edelman R, et al. **Md Med J** 1991 Mar; 40(3):199–203 (23 ref.)

Pre-operative antimicrobial prophylaxis of infection. Willis AT. **Microbiol Sci** 1985 Jan;2(1):14, 19–21 (25 ref.)

Antimicrobial prophylaxis for arthroplasty and total joint replacement: discussion and review of published clinical

trials. Heath AF. **Pharmacotherapy** 1991;11(2):157–63 (33 ref.)
Prevention of infections in granulocytopenic patients by fluorinated quinolones. Rozenberg-Arska M, et al. **Recent Results Cancer Res** 1991;121:337–46 (60 ref.)
Pharmacokinetic parameters and characteristics relevant to antimicrobial surgical prophylaxis. Bergan T. **Scand J Infect Dis Suppl** 1990;70:31–5 (20 ref.)
Ecological impact of antimicrobial prophylaxis on intestinal microflora in patients undergoing colorectal surgery. Brismar B, et al. **Scand J Infect Dis Suppl** 1990;70:25–30 (13 ref.)
Antibiotic prophylaxis in orthopaedic surgery. Court-Brown CM. **Scand J Infect Dis Suppl** 1990;70:74–9 (27 ref.)
Antimicrobial prophylaxis in cardiovascular surgery. Freeman R. **Scand J Infect Dis Suppl** 1990;70:80–6 (14 ref.)
Antimicrobial prophylaxis in upper gastrointestinal, biliary, stomach and oesophageal surgery. Gierckskiy KE, et al. **Scand J Infect Dis Suppl** 1990;70:45–51 (25 ref.)
Antimicrobial prophylaxis in gynaecological and obstetric surgery. Gjønnaess H. **Scand J Infect Dis Suppl** 1990; 70:52–67 (123 ref.)
Antimicrobial prophylaxis in elective colorectal surgery and appendicitis. Roland M. **Scand J Infect Dis Suppl** 1990; 70:36–44 (25 ref.)
Achromobacter xylosoxidans: a drug-resistant pathogen in newborns and immunocompromised patients. Giacoia GP. **South Med J** 1990 Nov;83(11):1312–4 (22 ref.)
Antibiotic choices in surgical intensive care unit patients. Reed RL 2d. **Surg Clin North Am** 1991 Aug;71(4):765–89 (184 ref.)
Protection of recreational divers against water-borne microbiological hazards. Masterson BF. **Undersea Biomed Res** 1991 May;18(3):197–203 (61 ref.)
Prevention of infections of the respiratory tract using the oral application of antigens. Tischner H. **Z Erkr Atmungsorgane** 1991;176(2–3):131–7 (48 ref.)
[Prevention of infectious complications of major upper respiratory and digestive tract surgery by the combination of pefloxacin-amoxicillin-clavulanic acid] Russier M, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(6):406–10 (8 ref.) (Eng. Abstr.) **(Fre)**
[Clinical studies and monitoring: bacteriologic monitoring] Konrad F, et al. **Klin Anasthesiol Intensivther** 1991; 39:121–33; discussion 169–82 (35 ref.) **(Ger)**
[Neonatal sepsis: bases and possibilities for immunotherapy and immunoprophylaxis. 3: Immunoprophylaxis] Borte M, et al. **Padiatr Grenzgeb** 1990;29(5):373–6 (26 ref.) (Eng. Abstr.) **(Ger)**
[Preventive use of antibiotics for internal medicine diseases] Zimmerli W. **Ther Umsch** 1991 Apr;48(4):219–24 (17 ref.) (Eng. Abstr.) **(Ger)**
[Structure and function of human lactoferrin; prospects of its studies in obstetrics] Diugeev AN, et al. **Akush Ginekol (Mosk)** 1991 Jan;(1):6–9 (52 ref.) **(Rus)**
[Reserves for lowering the neonatal mortality of premature children] Iatsyk GV, et al. **Vestn Akad Med Nauk SSSR** 1991;(5):44–7 (22 ref.) (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Behavioral adaptations to pathogens and parasites: five strategies. Hart BL. **Neurosci Biobehav Rev** 1990 Fall; 14(3):273–94 (297 ref.)

RADIOGRAPHY

Radiology of renal infection. Merenich WM, et al. **Med Clin North Am** 1991 Mar;75(2):425–69 (117 ref.)

SURGERY

[Irrigation drainage in local treatment of infection of bones and joints] Wörsdörfer O, et al. **Aktuel Probl Chir Orthop** 1990;34:55–64 (30 ref.) **(Ger)**
[A case of infected left atrial myxoma] Kouzu S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jan;39(1):98–102 (16 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Role of monoclonal antibody therapy in the treatment of infectious disease. Chmel H. **Am J Hosp Pharm** 1990 Nov; 47(11 Suppl 3):S11–5 (19 ref.)
Overview of gram-negative sepsis. Dudley MN. **Am J Hosp Pharm** 1990 Nov;47(11 Suppl 3):S3–6 (14 ref.)
Neonatal uses of intravenous immunoglobulin. Bussel JB. **Am J Pediatr Hematol Oncol** 1990 Winter;12(4):505–9 (21 ref.)
Use of intravenous immunoglobulin in various medical conditions. A Japanese experience. Abe T, et al. **Cancer** 1991 Sep 15;68(6 Suppl):1454–9 (13 ref.)
Cytokines: a new immunotherapy. Cairo MS. **Clin Perinatol** 1991 Jun;18(2):343–59 (94 ref.)
Immunoglobulin therapy for neonatal sepsis: an overview of animal and clinical studies. Fischer GW. **J Clin Immunol** 1990 Nov;10(6 Suppl):40S–46S (15 ref.)
The use of adjunctive hyperbaric oxygen in treatment of orthopedic infections and problem wounds: an overview and case reports. Berg E, et al. **J Invest Surg** 1989; 2(4):409–21 (10 ref.)
Development and potential use of antibody directed against lipopolysaccharide for the treatment of gram-negative bacterial sepsis. Dunn DL. **J Trauma** 1990 Dec;30(12 Suppl):S100–6 (71 ref.)
The role of the urologist in urinary tract infection. Gillenwater JY. **Med Clin North Am** 1991 Mar;75(2):471–9 (13 ref.)
Granulocyte transfusions in neonates. Hill HR. **Pediatr Rev** 1991 Apr;12(10):298–302 (22 ref.)
Infectious diarrhea. Managing a misery that is still worldwide. Qadri SM. **Postgrad Med** 1990 Oct; 88(5):169–75, 178–84 (29 ref.)
Therapeutic intervention of clinical sepsis with intravenous immunoglobulin, white blood cells and antibiotics. Fischer GW, et al. **Scand J Infect Dis Suppl** 1990;73:17–21 (25 ref.)
The role of intravenous immunoglobulin in the treatment and prevention of neonatal bacterial infection. Hill HR. **Semin Perinatol** 1991 Jun;15(3 Suppl 2):41–6 (45 ref.)
Diagnosis and treatment of prostatic infections. Schaeffer AJ. **Urology** 1990 Nov;36(5 Suppl):13–7 (17 ref.)
[The treatment of severe forms of diffuse suppurative peritonitis] Korukov B, et al. **Khirurgiia (Sofiia)** 1991; 44(3):57–60 (49 ref.) **(Bul)**
[The therapeutic use of monoclonal antibodies] Verhoef J. **Ned Tijdschr Geneeskd** 1991 Apr 20;135(16):694–5 (18 ref.) **(Dut)**
[Determination of the anti-infective action of an immunomodulator. Biostim as an example] Ounis I. **Allerg Immunol (Paris)** 1991 Apr;23(4):145–52 (37 ref.) (Eng. Abstr.) **(Fre)**
[Neonatal sepsis: bases and possibilities for immunotherapy and immunoprophylaxis. 2: Immunotherapy] Borte M, et al. **Padiatr Grenzgeb** 1990;29(5):363–71 (39 ref.) (Eng. Abstr.) **(Ger)**
[Urosepsis and uroseptic shock] Hofmann W. **Z Urol Nephrol** 1990 Jun;83(6):317–24 (13 ref.) (Eng. Abstr.) **(Ger)**
[Cytokines and their role in the pathogenesis and therapy of infections] Viadro MM. **Antibiot Khimioter** 1990 Sep; 35(9):12–4 (15 ref.) **(Rus)**
[Errors in performing pathogenetic therapy in acute intestinal infections] Brodov LE, et al. **Ter Arkh** 1990;62(11):31–5 (31 ref.) (Eng. Abstr.) **(Rus)**
[Intra-abdominal sepsis: new therapeutic trends] García-Sabrido JL, et al. **Enferm Infecc Microbiol Clin** 1990 May;8(5):302–10 (86 ref.) **(Spa)**

TRANSMISSION

Discussion: the Kermack-McKendrick epidemic threshold theorem. Anderson RM. **Bull Math Biol** 1991;53(1–2):3–32 (63 ref.)
Infections transmitted by large and small laboratory animals. Fox JG, et al. **Infect Dis Clin North Am** 1991 Mar; 5(1):131–63 (98 ref.)
Foodborne disease due to Bacillus and Clostridium species. Lund BM. **Lancet** 1990 Oct 20;336(8721):982–6 (13 ref.)
[Ecological transformations: insect-transmitted infections today] Cardesa JJ, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 38:4–10 (43 ref.) **(Spa)**

URINE

Laboratory in the diagnosis and management of urinary tract infections. Pappas PG. **Med Clin North Am** 1991 Mar; 75(2):313–25 (58 ref.)

VETERINARY

The role of motile aeromonads in the fish disease, ulcerative disease syndrome (UDS). McGarey DJ, et al. **Experientia** 1991 May 15;47(5):441–4 (21 ref.)
Bacterial pathogens in domesticated animals and their environment. Hinton M, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:81S–90S (105 ref.)
The role of cell-wall deficient bacteria (L-forms; sphaeroplasts) in fish diseases. McIntosh D, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:1S–7S (38 ref.)
Selective isolation methods for fish pathogens. Shotts EB. **Soc Appl Bacteriol Symp Ser** 1991;20:75S–80S (52 ref.)
Bacterial pneumonia. Traub-Dargatz JL. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):53–61 (33 ref.)
[Gyrase inhibitors, a new class of therapeutic drugs] Petzinger E. **Tierarztl Prax** 1991 Feb;19(1):14–20 (29 ref.) (Eng. Abstr.) **(Ger)**

BACTERIAL OUTER MEMBRANE PROTEINS

ANALYSIS

Surface proteins of coagulase-negative staphylococci: their role in adherence to biomaterials and in opsonization. Fleer A, et al. **J Biomater Appl** 1990 Oct;5(2):154–65 (26 ref.)

CHEMISTRY

Cytolytic pore-forming proteins and peptides: is there a common structural motif? Ojcius DM, et al. **Trends Biochem Sci** 1991 Jun;16(6):225–9 (30 ref.)

GENETICS

Outer membrane protein PhoE as a carrier for the exposure of foreign antigenic determinants at the bacterial cell surface. Agterberg M, et al. **Antonie Van Leeuwenhoek** 1991 May;59(4):249–62 (70 ref.)
Signal transduction and gene regulation through the phosphorylation of two regulatory components: the molecular basis for the osmotic regulation of the porin genes. Mizuno T, et al. **Mol Microbiol** 1990 Jul;4(7):1077–82 (47 ref.)
Genetic mechanisms for modulating virulence determinants on the bacterial surface. Saunders JR. **Sci Prog** 1990;74(295 Pt 3):279–90 (16 ref.)

METABOLISM

Porin interaction with hexokinase and glycerol kinase: metabolic microcompartmentation at the outer mitochondrial membrane. Adams V, et al. **Biochem Med Metab Biol** 1991 Jun;45(3):271–91 (185 ref.)
Bacterial haemolysin and mammalian P-glycoprotein. Holland IB, et al. **Biochem Soc Trans** 1991 Apr;19(2):252–5 (22 ref.)
Gramicidin, VDAC, porin and perforin channels. Levitt D. **Curr Opin Cell Biol** 1990 Aug;2(4):689–94 (20 ref.)
Antibiotic permeation through the bacterial outer membrane. Georgopapadakou NH. **J Chemother** 1990 Oct;2(5):275–9 (55 ref.)
TraT lipoprotein, a plasmid-specified mediator of interactions between gram-negative bacteria and their environment. Sukupolvi S, et al. **Microbiol Rev** 1990 Dec; 54(4):331–41 (105 ref.)
Structure and function of haemolysin B,P-glycoprotein and other members of a novel family of membrane translocators. Blight MA, et al. **Mol Microbiol** 1990 Jun; 4(6):873–80 (54 ref.)
Outer membrane proteins of Pseudomonas. Hancock RE, et al. **Mol Microbiol** 1990 Jul;4(7):1069–75 (62 ref.)
Signal transduction and gene regulation through the phosphorylation of two regulatory components: the molecular basis for the osmotic regulation of the porin genes. Mizuno T, et al. **Mol Microbiol** 1990 Jul;4(7):1077–82 (47 ref.)
Molecular aspects of phosphate transport in Escherichia coli. Rao NN, et al. **Mol Microbiol** 1990 Jul;4(7):1083–90 (55 ref.)
[Studies on the outer membrane permeability of bacteria] Nakae T. **Nippon Saikingaku Zasshi** 1990 Jul;45(4):777–84 (40 ref.) **(Jpn)**

ULTRASTRUCTURE

Biophysics of the structure and function of porins. Jap BK, et al. **Q Rev Biophys** 1990 Nov;23(4):367–403 (132 ref.)

BACTERIAL PHOTOSYNTHETIC REACTION CENTER see **PHOTOSYNTHETIC REACTION CENTER, BACTERIAL**

BACTERIAL PILI see **PILI, BACTERIAL**

BACTERIAL POLYSACCHARIDES see **POLYSACCHARIDES, BACTERIAL**

BACTERIAL PROTEINS

Review article: structural and functional properties of cytochrome aa3 from bacteria. García-Horsman JA, et al. **Bol Estud Med Biol** 1990 Jan-Jun;38(1–2):29–40 (62 ref.)
The biotin-(strept)avidin system: principles and applications in biotechnology. Diamandis EP, et al. **Clin Chem** 1991 May;37(5):625–36 (106 ref.)

ANALYSIS

Phenotypic variations in cell envelope proteins of Klebsiella aerogenes. Sterkenburg A, et al. **Microbiol Sci** 1985 May; 2(5):148–51 (23 ref.)

BIOSYNTHESIS

Synthesis and secretion of extracellular enzymes by bacilli. Priest FG. **Microbiol Sci** 1985 Sep;2(9):278–82 (26 ref.)
Uncharged tRNA, protein synthesis, and the bacterial stringent response. Goldman E, et al. **Mol Microbiol** 1990 Dec;4(12):2035–40 (32 ref.)

CHEMISTRY

Electron transfer in proteins: in search of preferential pathways. Farver O, et al. **FASEB J** 1991 Aug;5(11):2554–9 (40 ref.)
Bactericidal cationic peptides involved in bacterial antagonism and host defence. Sahl HG. **Microbiol Sci** 1985 Jul;2(7):212–7 (40 ref.)
A family of clostridial and streptococcal ligand-binding proteins with conserved C-terminal repeat sequences. Wren BW. **Mol Microbiol** 1991 Apr;5(4):797–803 (38 ref.)
A mitochondrial chaperonin: genetic, biochemical, and molecular characteristics. Hallberg RL. **Semin Cell Biol** 1990 Feb;1(1):37–45 (29 ref.)

GENETICS

Genetics of extracellular protein secretion by gram-negative bacteria. Pugsley AP, et al. **Annu Rev Genet** 1990;24:67–90 (79 ref.)
Variation and control of protein expression in Neisseria. Meyer TF, et al. **Annu Rev Microbiol** 1990;44:451–77 (159 ref.)

The OxyR regulon. Storz G, et al. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):157–61 (17 ref.)
Oxygen regulated gene expression in Escherichia coli: control of anaerobic respiration by the FNR protein. Unden G, et al. **Antonie Van Leeuwenhoek** 1991 Feb;59(2):65–76 (93 ref.)
TonB; a model for signal transduction between membranes. Hannavy K, et al. **Biochem Soc Trans** 1991 Apr;19(2):530–2 (23 ref.)
Studies on the pathogenicity of Listeria monocytogenes. Goebel W, et al. **Infection** 1991;19 Suppl 4:S195–7 (18 ref.)
Bacillus larval toxin crystal protein. Klier A, et al. **Microbiol Sci** 1987 Sep;4(9):274–6 (24 ref.)
Regulation of bacterial gene expression by metal–protein complexes. Hennecke H. **Mol Microbiol** 1990 Oct; 4(10):1621–8 (77 ref.)
Protein H1: a role for chromatin structure in the regulation of bacterial gene expression and virulence? Higgins CF, et al. **Mol Microbiol** 1990 Dec;4(12):2007–12 (52 ref.)
The hok killer gene family in gram-negative bacteria. Gerdes K, et al. **New Biol** 1990 Nov;2(11):946–56 (37 ref.)
The melibiose carrier of Escherichia coli. Botfield MC, et al. **Res Microbiol** 1990 Mar–Apr;141(3):328–31 (9 ref.)
Evolution of permease diversity and energy-coupling mechanisms: an introduction. Saier MH Jr. **Res Microbiol** 1990 Mar–Apr;141(3):281–6 (8 ref.)
The Escherichia coli groE chaperonins. Georgopoulos C, et al. **Semin Cell Biol** 1990 Feb;1(1):19–25 (35 ref.)
Recognition of nascent polypeptides for targeting and folding. Landry SJ, et al. **Trends Biochem Sci** 1991 Apr; 16(4):159–63 (39 ref.)
[Study of the major proline transport system in Escherichia coli] Yamato I. **Seikagaku** 1990 Aug;62(8):1020–30 (73 ref.) **(Jpn)**

METABOLISM

The physiological role of eubacterial histone-like proteins. Paterczyk B. **Acta Microbiol Pol** 1989;38(3–4):207–15 (29 ref.)
Impact of genetic engineering on downstream processing of proteins produced in E. coli. Enfors SO, et al. **Adv Biochem Eng Biotechnol** 1990;43:31–42 (33 ref.)
Microbial stress proteins. Watson K. **Adv Microb Physiol** 1990;31:183–223 (293 ref.)
The enzymology of protein translocation across the Escherichia coli plasma membrane. Wickner W, et al. **Annu Rev Biochem** 1991;60:101–24 (198 ref.)
Genetic analysis of protein export in Escherichia coli. Schatz PJ, et al. **Annu Rev Genet** 1990;24:215–48 (171 ref.)
Membrane topology, structure, and functions of the penicillin-interactive proteins. Ghuysen JM. **Biotechnol Appl Biochem** 1990 Oct;12(5):468–72 (36 ref.)
Single cell protein production from C1 compounds. Ekeroth L, et al. **Biotechnology** 1991;18:205–31 (36 ref.)
The primary pathway of protein export in E. coli. Bassford P, et al. **Cell** 1991 May 3;65(3):367–8 (26 ref.)
Interactions of bacteria with extracellular matrix proteins. Hook M, et al. **Cell Differ Dev** 1990 Dec 2;32(3):433–8 (14 ref.)
Cellulolysis: ultrastructural aspects of bacterial systems. Mayer F. **Electron Microsc Rev** 1988;1(1):69–85 (68 ref.)
Bacterial periplasmic permeases belong to a family of transport proteins operating from Escherichia coli to human: Traffic ATPases. Ames GF, et al. **FEMS Microbiol Rev** 1990 Aug;6(4):429–46 (120 ref.)
A radical-chemical route to acetyl-CoA: the anaerobically induced pyruvate formate-lyase system of Escherichia coli. Knappe J, et al. **FEMS Microbiol Rev** 1990 Aug;6(4):383–98 (75 ref.)
FNR and its role in oxygen-regulated gene expression in Escherichia coli. Spiro S, et al. **FEMS Microbiol Rev** 1990 Aug;6(4):399–428 (184 ref.)
Bacterial membrane proteins. Salton MR. **Microbiol Sci** 1987 Apr;4(4):100–5 (39 ref.)
Molecular chaperones and protein translocation across the Escherichia coli inner membrane. Kumamoto CA. **Mol Microbiol** 1991 Jan;5(1):19–22 (34 ref.)
Physiological roles of the DnaK and GroE stress proteins: catalysts of protein folding or macromolecular sponges? LaRossa RA, et al. **Mol Microbiol** 1991 Mar;5(3):529–34 (36 ref.)
TonB and the gram-negative dilemma. Postle K. **Mol Microbiol** 1990 Dec;4(12):2019–25 (63 ref.)
Signal transduction in bacteria: kinases that control gene expression. Igo MM, et al. **New Biol** 1990 Jan;2(1):5–9 (33 ref.)
Energy coupling in periplasmic permeases: the histidine permease as a model system. Ames GF. **Res Microbiol** 1990 Mar–Apr;141(3):341–8 (32 ref.)
The role of ATP as the energy source for maltose transport in Escherichia coli. Dean DA, et al. **Res Microbiol** 1990 Mar–Apr;141(3):348–52 (16 ref.)
Bacterial energy transductions coupled to sodium ions. Dimroth P. **Res Microbiol** 1990 Mar–Apr;141(3):332–6 (19 ref.)
Coupling of energy to glucose transport by the bacterial phosphotransferase system. Erni B. **Res Microbiol** 1990 Mar–Apr;141(3):360–4 (17 ref.)
The role of ATP in binding-protein-dependent transport systems. Higgins CF. **Res Microbiol** 1990 Mar–Apr; 141(3):353–60 (46 ref.)
Coupling of energy to D-mannitol transport in Escherichia coli. Jacobson GR. **Res Microbiol** 1990 Mar–Apr; 141(3):365–8 (12 ref.)
A consensus structure for membrane transport. Maloney PC. **Res Microbiol** 1990 Mar–Apr;141(3):374–83 (68 ref.)
Mechanism of sugar transport and phosphorylation via permeases of the bacterial phosphotransferase system: catalytic residues in the beta-glucoside-specific permease as defined by site-specific mutagenesis. Sutrina SL, et al. **Res Microbiol** 1990 Mar–Apr;141(3):368–74 (19 ref.)
Halophilic proteins and the influence of solvent on protein stabilization. Zaccai G, et al. **Trends Biochem Sci** 1990 Sep; 15(9):333–7 (35 ref.)

PHARMACOLOGY

[Determination of the anti-infective action of an immunomodulator. Biostim as an example] Ounis I. **Allerg Immunol (Paris)** 1991 Apr;23(4):145–52 (37 ref.) (Eng. Abstr.) **(Fre)**
[Channel-forming proteins. III. Colicins] Krasil'nikov OV. **Biol Nauki** 1990;(10):5–20 (53 ref.) (Eng. Abstr.) **(Rus)**

SECRETION

The genetics of protein secretion in E. coli. Bieker KL, et al. **Trends Genet** 1990 Oct;6(10):329–34 (33 ref.)

BACTERIAL RNA see **RNA, BACTERIAL**

BACTERIAL SENSITIVITY TESTS see **MICROBIAL SENSITIVITY TESTS**

BACTERIAL SPORES see **SPORES, BACTERIAL**

BACTERIAL STRUCTURAL GENES see **GENES, STRUCTURAL, BACTERIAL**

BACTERIAL TOXINS

Review of Aeromonas enterotoxins. Houston CW, et al. **Experientia** 1991 May 15;47(5):424–6 (22 ref.)
Pore-forming cytolysins of gram-negative bacteria. Welch RA. **Mol Microbiol** 1991 Mar;5(3):521–8 (92 ref.)

ADMINISTRATION & DOSAGE

Immunotoxins. Press OW. **Biotherapy** 1991;3(1):65–76 (58 ref.)

ADVERSE EFFECTS

Staphylococcal and streptococcal pyrogenic toxins involved in toxic shock syndrome and related illnesses. Bohach GA, et al. **Crit Rev Microbiol** 1990;17(4):251–72 (224 ref.)

ANALYSIS

Immunological methods for detection of foodborne pathogens and their toxins. Notermans S, et al. **Int J Food Microbiol** 1991 Jan;12(1):91–102 (42 ref.)

BIOSYNTHESIS

Applications of DNA probes for Vero cytotoxin-producing Escherichia coli. Smith HR, et al. **J Hosp Infect** 1991 Jun; 18 Suppl A:438–42 (24 ref.)
[Coliform bacilli which produce cytotoxins: importance in veterinary medicine and public health] De Rycke J. **Ann Rech Vet** 1991;22(2):105–26 (99 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Studies on aerolysin and a serine protease from Aeromonas trota sp. nov. Husslein V, et al. **Experientia** 1991 May 15; 47(5):420–1 (11 ref.)
Application of the polymerase chain reaction (PCR) to detection of the aerolysin gene in whole cell cultures of beta-hemolytic Aeromonas hydrophila. Lior H, et al. **Experientia** 1991 May 15;47(5):421–4 (13 ref.)
Genetic analysis of gram-positive toxin determinants: the impact of new technologies. Dougan G, et al. **Microbiol Sci** 1985 May;2(5):144–7 (11 ref.)
Bacillus larval toxin crystal protein. Klier A, et al. **Microbiol Sci** 1987 Sep;4(9):274–6 (24 ref.)
[The molecular nature of Bacillus anthracis toxin] Stepanov AS. **Mol Gen Mikrobiol Virusol** 1991 Jan;(1):3–10 (104 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

T lymphocyte-stimulating microbial toxins as "superantigens". Fleischer B. **Med Microbiol Immunol (Berl)** 1991;180(2):53–8 (39 ref.)
O-specific side-chain toxin–protein conjugates as parenteral vaccines for the prevention of shigellosis and related diseases. Robbins JB, et al. **Rev Infect Dis** 1991 Mar–Apr; 13 Suppl 4:S362–5 (44 ref.)
[In vitro and in vivo efficacy of a toxin-neutralizing human staphylococcal immunoglobulin] Hungerer KD, et al. **Behring Inst Mitt** 1990 Oct;(86):170–84 (32 ref.) (Eng. Abstr.) **(Ger)**
[Stimulation of the immune system by microbial "superantigens"] Fleischer B. **Immun Infekt** 1991 Feb; 19(1):8–11 (47 ref.) (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Shiga toxin: purification, structure, and function. Donohue-Rolfe A, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S293–7 (43 ref.)

METABOLISM

[ADP ribosylation of actin—a cytotoxic principle of bacterial toxins] Just I, et al. **Immun Infekt** 1991 Feb;19(1):18–21 (69 ref.) (Eng. Abstr.) **(Ger)**

PHARMACOLOGY

[Interaction of staphylococcal alpha-toxin with biomembranes] Bukharova TB, et al. **Mol Gen Mikrobiol Virusol** 1990 Aug;(8):3–4 (30 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[What are toxins to microbes? (the role of toxins in bacterial ecology)] Domaradskiĭ IV. **Mol Gen Mikrobiol Virusol** 1990 Sep;(9):3–10 (120 ref.) (Eng. Abstr.) **(Rus)**

SECRETION

Secretion and mechanism of action of the hole-forming toxin aerolysin. Buckley JT. **Experientia** 1991 May 15;47(5):418–9 (19 ref.)
The phenomenon of toxin secretion by vibrios and aeromonads. Hirst TR, et al. **Experientia** 1991 May 15; 47(5):429–31 (28 ref.)

THERAPEUTIC USE

Immunoconjugates of Pseudomonas exotoxin A: evaluation in mice, monkeys, and man. Morgan AC Jr, et al. **Cancer Detect Prev** 1991;15(2):137–43 (33 ref.)

TOXICITY

Shiga toxin: intestinal cell receptors and pathophysiology of enterotoxic effects. Keusch GT, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S304–10 (26 ref.)
[Shiga and Shiga-like toxins] Ciudin L. **Rev Ig [Bacteriol]** 1990 Jan–Mar;35(1):1–16 (91 ref.) **(Rum)**
[Basic factors of pathogenicity and cloning of pseudomonads] Anishchenko MA. **Mol Gen Mikrobiol Virusol** 1991 May; (5):3–8 (94 ref.) (Eng. Abstr.) **(Rus)**

BACTERIAL TYPING TECHNIQUES

Epidemiologic typing systems for coagulase-negative staphylococci. Birnbaum D, et al. **Infect Control Hosp Epidemiol** 1991 May;12(5):319–26 (51 ref.)
State of the art in typing: Klebsiella spp. Ayling-Smith B, et al. **J Hosp Infect** 1990 Nov;16(4):287–95 (48 ref.)

STANDARDS

Hospital infection with Acinetobacter spp.: an increasing problem. Bergogne-Bérézin E, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:250–5 (17 ref.)

BACTERIAL VACCINES

New developments in vaccines. Daum RS, et al. **Adv Pediatr Infect Dis** 1991;6:1–57 (243 ref.)
Development and outlook for a caries vaccine. Michalek SM, et al. **Crit Rev Oral Biol Med** 1990;1(1):37–54 (195 ref.)
Prevention of bacterial meningitis. Vaccines and chemoprophylaxis. Lieberman JM, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):703–29 (128 ref.)
Vaccines and milk immunoglobulin concentrates for prevention of infectious diarrhea. Levine MM. **J Pediatr** 1991 Apr;118(4 (Pt 2)):S129–36 (70 ref.)
Dental caries vaccine: some problems solved? Everhart DL, et al. **Microbiol Sci** 1985 Oct;2(10):312–3 (22 ref.)
Group B streptococcal infections. Edwards MS. **Pediatr Infect Dis J** 1990 Oct;9(10):778–81 (38 ref.)
Haemophilus influenzae disease and immunization in developing countries. Funkhouser A, et al. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S542–54 (103 ref.)
Control of acute lower respiratory illness in the developing world: an assessment of vaccine intervention. Karzon DT. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S571–7 (71 ref.)
Pneumococcal vaccine trials in Papua New Guinea: relationships between epidemiology of pneumococcal infection and efficacy of vaccine. Riley ID, et al. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S535–41 (41 ref.)
O-specific side-chain toxin–protein conjugates as parenteral vaccines for the prevention of shigellosis and related diseases. Robbins JB, et al. **Rev Infect Dis** 1991 Mar–Apr; 13 Suppl 4:S362–5 (44 ref.)
New vaccines against bacterial enteric infections. Holmgren J, et al. **Scand J Infect Dis Suppl** 1990;70:149–56 (23 ref.)
Vaccines against tuberculosis: the impact of modern biotechnology. Kaufmann SH. **Scand J Infect Dis Suppl** 1990;76:54–9 (14 ref.)
Use of vaccines for respiratory infections. Strategies for influenza and pneumococcal vaccines. Mäkelä PH, et al. **Scand J Infect Dis Suppl** 1990;70:141–8 (31 ref.)
Potential for vaccination against infections caused by Staphylococcus aureus. Foster TJ. **Vaccine** 1991 Apr; 9(4):221–7 (99 ref.)

Prevention of invasive Haemophilus influenzae type b disease: lessons from vaccine efficacy trials. Ward J. **Vaccine** 1991 Jun;9 Suppl:S17-24; discussion S25 (69 ref.)

ADMINISTRATION & DOSAGE

Serum albumin beads possessing slow-release properties for vaccines. Newman JF. **Adv Biotechnol Processes** 1990; 14:129-46 (47 ref.)

Immunisation for the prevention of Haemophilus influenzae type b infections: a review. Clements DA, et al. **Aust N Z J Med** 1990 Dec;20(6):828-34 (62 ref.)

Bacterial pathogens--a route to oral drug delivery. Dougan G, et al. **Biochem Soc Trans** 1990 Oct;18(5):746-8 (15 ref.)

Periodic health examination, 1991 update: 2. Administration of pneumococcal vaccine. Canadian Task Force on the Periodic Health Examination. **Can Med Assoc J** 1991 Mar 15;144(6):665-71 (59 ref.)

Development of oral vaccines against cholera and enterotoxinogenic Escherichia coli diarrhea. Holmgren J, et al. **Scand J Infect Dis Suppl** 1990;76:47-53 (22 ref.)

Prevention of infections of the respiratory tract using the oral application of antigens. Tischner H. **Z Erkr Atmungsorgane** 1991;176(2-3):131-7 (48 ref.)

IMMUNOLOGY

Impaired polysaccharide responses in immunodeficient patients: relevance to bone marrow transplant patients. Ambrosino DM. **Bone Marrow Transplant** 1991;7 Suppl 3:48-51 (35 ref.)

Use of live attenuated bacteria to stimulate immunity. Fairweather NF, et al. **Res Microbiol** 1990 Sep-Oct; 141(7-8):769-73 (17 ref.)

[Vaccines in the biotechnologic era] Mazana J, et al. **Enferm Infecc Microbiol Clin** 1990 Jun-Jul;8(6):368-75 (56 ref.) **(Spa)**

ISOLATION & PURIFICATION

Towards new leprosy and tuberculosis vaccines. Kaufmann S. **Microbiol Sci** 1987 Nov;4(11):324-8 (38 ref.)

PHARMACOLOGY

Leprosy vaccines. Fine P, et al. **Vaccine** 1991 May;9(5):291-3 (42 ref.)

THERAPEUTIC USE

Enteric vaccines. Edelman R, et al. **Md Med J** 1991 Mar; 40(3):199-203 (23 ref.)

Mycobacterium vaccae in immunoprophylaxis and immunotherapy of leprosy and tuberculosis. Stanford JL, et al. **Vaccine** 1990 Dec;8(6):525-30 (45 ref.)

BACTERIAL WARFARE see **BIOLOGICAL WARFARE**

BACTERIOCHLOROPHYLLS

METABOLISM

Aerobic photosynthetic bacteria. Shiba T, et al. **Microbiol Sci** 1986 Dec;3(12):376-8 (23 ref.)

BACTERIOCIN FACTORS see **COLICIN FACTORS**

BACTERIOCIN TYPING see **BACTERIAL TYPING TECHNIQUES**

BACTERIOCINS

PHARMACOLOGY

Studies of "BLIS-ful" oral bacteria. Tagg JR. **N Z Dent J** 1991 Jan;87(387):14-6 (11 ref.)

BACTERIOLOGICAL TECHNIQUES

see related
CULTURE MEDIA

Laboratory techniques for the diagnosis of chlamydial infections. Taylor-Robinson D, et al. **Genitourin Med** 1991 Jun;67(3):256-66 (167 ref.)

Applications of high-performance liquid chromatography in bacteriology. I. Determination of metabolites. Lucarelli C, et al. **J Chromatogr** 1990 Aug 31;515:415-34 (100 ref.)

Novel growth systems. Wimpenny JW. **Microbiol Sci** 1985; 2(2):53-60 (54 ref.)

[The diagnosis of pneumonia in the ventilated patient] Pugin J. **Schweiz Med Wochenschr** 1990 Nov 10;120(45):1672-7 (28 ref.) (Eng. Abstr.) **(Fre)**

[Bacteriologic diagnosis in suspicion of bacterial infection in newborn infants--a review] Spencker FB, et al. **Padiatr Grenzgeb** 1991;30(3):183-92 (54 ref.) (Eng. Abstr.) **(Ger)**

[Value of microbiologic studies for diagnosis of post-enteritis reactive arthritis] Müller KD. **Z Rheumatol** 1990 Nov-Dec; 49(6):364-8 (27 ref.) (Eng. Abstr.) **(Ger)**

[Use of microbiologic-serologic studies for Chlamydia and Mycoplasma in differential diagnosis of inflammatory rheumatic diseases] von Recklinghausen G. **Z Rheumatol** 1990 Nov-Dec;49(6):361-3 (31 ref.) (Eng. Abstr.) **(Ger)**

BACTERIOPHAGE LAMBDA see **PHAGE LAMBDA**

BACTERIOPHAGE PHI X 174 see **PHAGE PHI X 174**

BACTERIOPHAGE TYPING

METHODS

State of the art in typing: Klebsiella spp. Ayling-Smith B, et al. **J Hosp Infect** 1990 Nov;16(4):287-95 (48 ref.)

BACTERIOPHAGES

see related
LYSOGENY

CLASSIFICATION

Species and type phages of lactococcal bacteriophages. Jarvis AW, et al. **Intervirology** 1991;32(1):2-9 (26 ref.)

Bacteriophage taxonomy in 1987. Ackermann HW. **Microbiol Sci** 1987 Jul;4(7):214-8 (16 ref.)

GENETICS

Temperate bacteriophages and lysogeny in lactic acid bacteria. Davidson BE, et al. **FEMS Microbiol Rev** 1990 Sep;7(1-2):79-90 (68 ref.)

ISOLATION & PURIFICATION

Bacteriophages as model organisms in water treatment. Havelaar AH. **Microbiol Sci** 1987 Dec;4(12):362-4 (22 ref.)

PHYSIOLOGY

Host-parasite interactions: recent developments in the genetics of abortive phage infections. Molineux IJ. **New Biol** 1991 Mar;3(3):230-6 (48 ref.)

[The role of bacteriophages in the self-regulating system of a plague enzootic] Pak Glu, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Sep;(9):97-100 (10 ref.) **(Rus)**

BACTERIOPHAGES, RNA see **RNA PHAGES**

BACTERIOPHAGES T see **T-PHAGES**

BACTERIORHODOPSIN

CHEMISTRY

Purple membrane: surface charge density and the multiple effect of pH and cations. Jonas R, et al. **Photochem Photobiol** 1990 Dec;52(6):1163-77 (84 ref.)

METABOLISM

From femtoseconds to biology: mechanism of bacteriorhodopsin's light-driven proton pump. Mathies RA, et al. **Annu Rev Biophys Biophys Chem** 1991; 20:491-518 (184 ref.)

BACTERIURIA

Urinary tract infections in the elderly. Schaeffer AJ. **Eur Urol** 1991;19 Suppl 1:2-6 (28 ref.)

Urinary infection in the 1990's: the state of the art. Brumfitt W, et al. **Infection** 1990;18 Suppl 2:S34-9 (34 ref.)

DIAGNOSIS

The value of single-dose therapy to diagnose the site of urinary infection. Ronald AR, et al. **Chemotherapy** 1990; 36 Suppl 1:2-9 (40 ref.)

DRUG THERAPY

Treatment of urinary infection in the elderly. Morgan MG, et al. **Infection** 1990 Nov-Dec;18(6):326-31 (61 ref.)

ETIOLOGY

Asymptomatic bacteriuria in patients with diabetes mellitus. Zhanel GG, et al. **Rev Infect Dis** 1991 Jan-Feb;13(1):150-4 (34 ref.)

MICROBIOLOGY

The epidemiology of urinary tract infection and the concept of significant bacteriuria. Hooton TM. **Infection** 1990;18 Suppl 2:S40-3 (38 ref.)

BACTEROIDACEAE

ISOLATION & PURIFICATION

Leptotrichia buccalis bacteremia in patients with cancer: report of four cases and review. Weinberger M, et al. **Rev Infect Dis** 1991 Mar-Apr;13(2):201-6 (45 ref.)

BACTEROIDES

PATHOGENICITY

[Acute paraproctitis and anaerobic infection] Rogalin IaF. **Sov Med** 1991;(3):36-9 (47 ref.) **(Rus)**

BACTEROIDES CORRODENS see **EIKENELLA CORRODENS**

BACTEROIDES FRAGILIS

DRUG EFFECTS

Newer beta-lactam agents and the Bacteroides fragilis group. Cuchural GJ Jr. **Pharmacotherapy** 1991;11(2 (Pt 2)):51S-55S (26 ref.)

BACTEROIDES INFECTIONS

Eikenella corrodens chorioamnionitis. Jeppson KG, et al. **Obstet Gynecol** 1991 Sep;78(3 (Pt 2)):503-5 (12 ref.)

EPIDEMIOLOGY

[Bacteremia caused by Bacteroides. An analysis of 50 episodes] Berenguer J, et al. **Enferm Infecc Microbiol Clin** 1989 Jun-Jul;7(6):307-11 (20 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

[Acute paraproctitis and anaerobic infection] Rogalin IaF. **Sov Med** 1991;(3):36-9 (47 ref.) **(Rus)**

BACULOVIRIDAE

GENETICS

Baculovirus expression vector system for production of viral vaccines. Vlak JM, et al. **Adv Biotechnol Processes** 1990; 14:91-128 (151 ref.)

PHYSIOLOGY

Viral and bacterial pathogens of insects. Crook NE, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:91S-96S (37 ref.)

ULTRASTRUCTURE

[The structural organization of the member viruses of the Baculoviridae family] Obukhov ML. **Vopr Virusol** 1990 Sep-Oct;35(5):356-61 (106 ref.) **(Rus)**

BAGASSOSIS see **PNEUMOCONIOSIS**

BAKER'S YEAST see **SACCHAROMYCES CEREVISIAE**

BAL see **DIMERCAPROL**

BALANITIS

ETIOLOGY

[Lichen sclerosus et atrophicus] Feldmann R, et al. **Hautarzt** 1991 Mar;42(3):147-53 (59 ref.) (Eng. Abstr.) **(Ger)**

BALDNESS see **ALOPECIA**

BALINT PSYCHOANALYTIC THERAPY see **PSYCHOANALYTIC THERAPY**

BALKAN NEPHROPATHY

COMPLICATIONS

[Balkan nephropathy and urothelial cancer] Markovic B. **J Urol (Paris)** 1990;96(6):349-52 (18 ref.) (Eng. Abstr.) **(Fre)**

BALLISTICS, WOUND see **WOUNDS, GUNSHOT**

BALLOON ANGIOPLASTY see **ANGIOPLASTY, TRANSLUMINAL**

BALLOON CATHETERIZATION see **BALLOON DILATATION**

BALLOON DILATATION

see related
GASTRIC BUBBLE

Balloon valvuloplasty and angioplasty of stenotic lesions of the heart and great vessels in children. Rao PS. **Adv Pediatr** 1990;37:33-76 (222 ref.)

Balloon technology and its applications in gastrointestinal endoscopy. Dakkak M, et al. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):195-208 (94 ref.)

Percutaneous mitral balloon valvotomy. Block PC, et al. **Cardiol Clin** 1991 May;9(2):271-87 (80 ref.)

Interventional cardiology. Holmes DR Jr, et al. **Cardiol Clin** 1991 Feb;9(1):115-34 (102 ref.)

Aortic valvuloplasty. Safian RD, et al. **Cardiol Clin** 1991 May;9(2):289-99 (42 ref.)

[Percutaneous aortic valvuloplasty as a last resort in patients with critical aortic valve stenosis] Cribier A, et al. **Arch Mal Coeur** 1990 Nov;83(12):1783-90 (17 ref.) (Eng. Abstr.) **(Fre)**

[Treatment of essential trigeminal neuralgia by Gasserian compression using balloon (50 cases)] Abdennebi B, et al. **Neurochirurgie** 1991;37(2):115-8 (15 ref.) (Eng. Abstr.) **(Fre)**

[Microcompression of Gasser's ganglion. A treatment of essential facial neuralgia. Apropos of 70 cases] Peragut JC, et al. **Neurochirurgie** 1991;37(2):111–4 (20 ref.) (Eng. Abstr.) **(Fre)**

[Percutaneous transvascular pulmonary valvuloplasty. Early and late results] Fischer M, et al. **Radiol Diagn (Berl)** 1990; 31(6):569–80 (23 ref.) (Eng. Abstr.) **(Ger)**

[The role of surgery and percutaneous valvuloplasty in conservative treatment of post-rheumatic mitral stenosis] Zingone B, et al. **G Ital Cardiol** 1990 Jun;20(6):576–82 (81 ref.) **(Ita)**

[A study on local administration of thrombin following transurethral resection of the prostate—clinical investigation with four-way balloon catheter] Izumi H, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1277–85 (22 ref.) (Eng. Abstr.) **(Jpn)**

[Extrascleral use of balloons. I. Use of distensible balloons in vitreoretinal surgery (review of the literature)] Il'nitskii VV, et al. **Vestn Oftalmol** 1990 Nov–Dec;106(6):70–6 (68 ref.) **(Rus)**

[Transluminal percutaneous pulmonary valvuloplasty. Follow up of 34 patients] Santos de Soto J, et al. **An Esp Pediatr** 1991 Mar;34(3):215–9 (27 ref.) (Eng. Abstr.) **(Spa)**

[Balloon catheter valvuloplasty for calcified aortic stenosis in adults. Report of a case and review of the literature] López Cuellar M, et al. **Arch Inst Cardiol Mex** 1991 Mar–Apr;61(2):123–7 (10 ref.) (Eng. Abstr.) **(Spa)**

[Valvuloplasty or mitral commissurotomy. Is that the question? (editorial)] Cequier A, et al. **Rev Esp Cardiol** 1991 Feb;44(2):71–5 (50 ref.) **(Spa)**

ADVERSE EFFECTS

Fatal left ventricular perforation following balloon mitral valvuloplasty. Butany J, et al. **Can J Cardiol** 1990 Oct; 6(8):343–7 (22 ref.)

The effect of prolonged aspirin therapy on experimental balloon–catheter arterial wall injury. Yeager RA, et al. **J Invest Surg** 1990;3(1):5–10 (31 ref.)

[Method-related complications of balloon catheter valvuloplasty of heart valve stenosis in children and adults] Romaniuk P, et al. **Radiol Diagn (Berl)** 1990;31(6):555–67 (0 ref.) (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

[Current state of interventional measures in cardiology] Klein W, et al. **Wien Med Wochenschr** 1991;141(3):41–3 (24 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Anatomic basis for and morphologic results from catheter balloon valvuloplasty of stenotic mitral valves. Waller BF, et al. **Clin Cardiol** 1990 Sep;13(9):655–61 (10 ref.)

Mitral valvuloplasty revisited. Moore M, et al. **Radiogr Today** 1990 Sep;56(640):20–3 (4 ref.)

Prostatic urethroplasty with balloon catheter as a nonsurgical alternative for benign prostatic hyperplasia. Castaneda F, et al. **Radiol Clin North Am** 1991 May;29(3):591–603 (32 ref.)

Percutaneous balloon dilatation of benign biliary strictures. Morrison MC, et al. **Radiol Clin North Am** 1990 Nov; 28(6):1191–201 (20 ref.)

[Endovascular treatment of intracranial aneurysms. Value and prospects based on a series of 92 cases] George B, et al. **Neurochirurgie** 1990;36(5):273–8 (18 ref.) (Eng. Abstr.) **(Fre)**

[Interventional catheterization in children] Rey C. **Pediatrie** 1990;45(6):373–8 (14 ref.) (Eng. Abstr.) **(Fre)**

[Percutaneous transhepatic bilioplasty: long-term results] Righi D, et al. **Radiol Med (Torino)** 1990 Oct;80(4):492–500 (20 ref.) (Eng. Abstr.) **(Ita)**

STANDARDS

Valvular heart disease. A correctable cause of congestive heart failure. Currie PJ. **Postgrad Med** 1991 May 1; 89(6):123–6, 131–6 (30 ref.)

BALLOON DILATATION, CORONARY ARTERY see **ANGIOPLASTY, TRANSLUMINAL, PERCUTANEOUS CORONARY**

BALLOON TAMPONADE see **BALLOON DILATATION**

BALLOON VALVOTOMY see **BALLOON DILATATION**

BALLOON VALVULOPLASTY see **BALLOON DILATATION**

BALNEOLOGY

see related
HEALTH RESORTS
MINERAL WATERS

[Radiation risk of the patient in radon therapy] Schüttmann W. **Z Arztl Fortbild (Jena)** 1990;84(24):1244–9 (30 ref.) **(Ger)**

[Balneological (Spa) therapy for rheumatic diseases] Sukenik S, et al. **Harefuah** 1990 Sep;119(5–6):165–70 (40 ref.) **(Heb)**

[The pharmacodynamics and toxicology of sulfur-containing therapeutic agents used in balneotherapy] Prattsel' KhG. **Vopr Kurortol Fizioter Lech Fiz Kult** 1991 Jan–Feb;(1):6–13 (32 ref.) **(Rus)**

BALNEOTHERAPY see **BALNEOLOGY**

BANANA see **FRUIT**

BAND 3 PROTEIN

GENETICS

The band 3-related anion exchanger (AE) gene family. Alper SL. **Annu Rev Physiol** 1991;53:549–64 (82 ref.)

Molecular biology of the anion exchanger gene family. Kopito RR. **Int Rev Cytol** 1990;123:177–99 (67 ref.)

PHYSIOLOGY

The role of ion antiporters in the maintenance of intracellular pH in rat vascular smooth muscle cells. Hogue D, et al. **Mol Cell Biochem** 1991 Apr 10;102(2):125–37 (64 ref.)

BANDAGES

Sports strapping and bandaging. Gray SD. **Aust Fam Physician** 1991 Mar;20(3):273, 276–82 (0 ref.)

Synthetic membranes and cultured keratinocyte grafts. Limová M, et al. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 1):713–9 (73 ref.)

BANDAGES, OCCLUSIVE see **OCCLUSIVE DRESSINGS**

BANDICOOT RATS see **MURIDAE**

BANDICOTA see **MURIDAE**

BANDING, CHROMOSOME see **CHROMOSOME BANDING**

BAR CODES see **AUTOMATIC DATA PROCESSING**

BARBITURATES

PHARMACOLOGY

Barbiturates and the GABAA receptor complex. Saunders PA, et al. **Prog Drug Res** 1990;34:261–86 (119 ref.)

THERAPEUTIC USE

Management of elevated intracranial pressure. Woster PS, et al. **Clin Pharm** 1990 Oct;9(10):762–72 (80 ref.)

BARIUM SULFATE

ADVERSE EFFECTS

Non fatal barium intravasation during barium enema. Taylor DB, et al. **Australas Radiol** 1990 May;34(2):165–7 (12 ref.)

DIAGNOSTIC USE

Recognition and prevention of barium enema complications. Williams SM, et al. **Curr Probl Diagn Radiol** 1991 Jul–Aug; 20(4):123–51 (141 ref.)

Evaluation of swallowing disorders: the modified barium swallow. Gustafson-Yoshida N, et al. **Indiana Med** 1990 Dec;83(12):892–5 (11 ref.)

Preparing the colon for the barium enema examination. Gelfand DW, et al. **Radiology** 1991 Mar;178(3):609–13 (32 ref.)

Portal venous barium intravasation complicating barium enema examination. Wheatley MJ, et al. **Surgery** 1991 Jun; 109(6):788–91 (12 ref.)

BARLEY

GENETICS

Sulphur-poor prolamins of barley, wheat and rye. Shewry PR, et al. **Biochem Soc Trans** 1991 Apr;19(2):528–30 (21 ref.)

BARORECEPTORS see **PRESSORECEPTORS**

BAROTRAUMA

[Diving accidents. 2. Respiratory barotrauma: a pulmonary over-pressure syndrome] Desola Alà J. **Med Clin (Barc)** 1990 Jun 30;95(5):183–90 (79 ref.) **(Spa)**

BARR BODIES see **SEX CHROMATIN**

BARRETT ESOPHAGUS

Barrett's esophagus. Current assessment and future perspectives. Polepalle SC, et al. **Gastroenterol Clin North Am** 1990 Sep;19(3):733–44 (47 ref.)

Barrett's oesophagus. Dent J, et al. **J Gastroenterol Hepatol** 1991 Jan–Feb;6(1):1–22 (163 ref.)

DIAGNOSIS

[Diagnosis of Barrett esophagus] Ottenjann R, et al. **Dtsch Med Wochenschr** 1990 Oct 26;115(43):1632–5 (30 ref.) **(Ger)**

EPIDEMIOLOGY

Adenocarcinoma in Barrett's esophagus. Altorki NK, et al. **Semin Surg Oncol** 1990;6(5):274–8 (48 ref.)

PATHOLOGY

The enigma of Barrett's oesophagus: putting the record straight. Moghissi K. **Eur J Cardiothorac Surg** 1991; 5(1):13–6 (54 ref.)

Barrett's esophagus. A review of the pathologist's role in diagnosis and management. Petras RE, et al. **Pathol Annu** 1991;26 Pt 2:1–32 (76 ref.)

[Flow cytometry results in patients with ulcerative colitis and Barrett esophagus. An additional diagnostic tool in the early diagnosis of a malignant transformation?] Porschen R, et al. **Z Gastroenterol** 1990 Sep;28(9):458–61 (52 ref.) (Eng. Abstr.) **(Ger)**

[Barrett's esophagus: characteristics and evaluation of risk of malignancy] Spinelli P, et al. **Ann Ital Chir** 1990 Sep–Oct;61(5):531–7; discussion 537–8 (26 ref.) (Eng. Abstr.) **(Ita)**

THERAPY

[Therapy of Barrett esophagus] Ottenjann R, et al. **Dtsch Med Wochenschr** 1990 Oct 26;115(43):1636–8 (31 ref.) **(Ger)**

BARRIERS, ARCHITECTURAL see **ARCHITECTURAL ACCESSIBILITY**

BARRIERS, COMMUNICATION see **COMMUNICATION BARRIERS**

BARTTER'S DISEASE

DIAGNOSIS

[Bartter's syndrome] Florczak E. **Przegl Lek** 1990; 47(7):546–50 (0 ref.) **(Pol)**

GENETICS

[Maternal Bartter syndrome and pregnancy] Szabó L, et al. **Orv Hetil** 1991 May 26;132(21):1155–6, 1159 (20 ref.) (Eng. Abstr.) **(Hun)**

BASAL CELL NEVUS SYNDROME

GENETICS

Medulloblastoma in the nevoid basal-cell carcinoma syndrome: case reports and review of the literature. Lacombe D, et al. **Genet Couns** 1990;1(3–4):273–7 (26 ref.)

PATHOLOGY

Pulmonary metastasis in nevoid basal cell carcinoma syndrome. Berardi RS, et al. **Int Surg** 1991 Jan–Mar; 76(1):64–6 (27 ref.)

BASAL GANGLIA

PATHOLOGY

Corticonigral degeneration with neuronal achromasia and basal neurofibrillary tangles. Paulus W, et al. **Acta Neuropathol (Berl)** 1990;81(1):89–94 (39 ref.)

The role of iron in the basal ganglion. Youdim MB, et al. **Adv Neurol** 1990;53:155–62 (40 ref.)

PHYSIOLOGY

Recent finding on dopaminergic transmission in the basal ganglia. Glowinski J. **Adv Neurol** 1990;53:67–73 (40 ref.)

Presynaptic regulation of dopamine release. Implications for the functional organization of the basal ganglia. Chesselet MF. **Ann N Y Acad Sci** 1990;604:17–22 (43 ref.)

The role of cholinergic projections from the nucleus basalis in memory. Dekker AJ, et al. **Neurosci Biobehav Rev** 1991 Summer;15(2):299–317 (182 ref.)

The basal ganglia–orofacial system: studies on neurobehavioral plasticity and sensory-motor tuning. Huston JP, et al. **Neurosci Biobehav Rev** 1990 Winter; 14(4):433–46 (123 ref.)

Sensorimotor contributions of the basal ganglia: recent advances. Connor NP, et al. **Phys Ther** 1990 Dec; 70(12):864–72 (103 ref.)

Basal ganglia–thalamocortical circuits: parallel substrates for motor, oculomotor, "prefrontal" and "limbic" functions. Alexander GE, et al. **Prog Brain Res** 1990;85:119–46 (170 ref.)

Role of the forebrain in oculomotor function. Hikosaka O. **Prog Brain Res** 1991;87:101–7 (23 ref.)

The basal ganglia and the initiation of movement. Graybiel AM. **Rev Neurol (Paris)** 1990;146(10):570–4 (28 ref.)

The basal ganglia. Hikosaka O, et al. **Rev Oculomot Res** 1989; 3:257–81 (109 ref.)

PHYSIOPATHOLOGY

Movement disorders--limb movement and the basal ganglia. Stelmach GE, et al. **Phys Ther** 1991 Jan;71(1):60-7 (64 ref.)
The frontal lobes, basal ganglia, and temporal lobes as sites for schizophrenia. Buchsbaum MS. **Schizophr Bull** 1990; 16(3):379-89 (56 ref.)

BASAL GANGLIA DISEASES

CHEMICALLY INDUCED

Neuroleptic drug-induced extrapyramidal syndromes and tardive dyskinesia. Casey DE. **Schizophr Res** 1991 Mar-Apr;4(2):109-20 (70 ref.)
Dopamine D1 receptor antagonism in schizophrenia: is there reduced risk of extrapyramidal side-effects? Hietala J, et al. **Trends Pharmacol Sci** 1990 Oct;11(10):406-10 (40 ref.)

COMPLICATIONS

Obsessive-compulsive disorder: evidence for basal ganglia dysfunction. Rapoport JL, et al. **Psychopharmacol Bull** 1988;24(3):380-4 (22 ref.)
[Akinesia and associated motor involvement in Parkinson's disease and basal ganglia lesions] Rondot P. **Rev Neurol (Paris)** 1990;146(10):591-9 (71 ref.) (Eng. Abstr.) **(Fre)**
[Loss of psychic autoactivation syndrome] Barraquer Bordás L. **Arch Neurobiol (Madr)** 1990 Sep-Oct;53(5):196-9 (13 ref.) **(Spa)**

EPIDEMIOLOGY

[Incidence of hereditary diseases of the nervous system among different populations (review of the literature)] Markova ED, et al. **Zh Nevropatol Psikhiatr** 1990; 90(9):113-9 (136 ref.) **(Rus)**

ETIOLOGY

[Leukoencephalopathy, calcifications of central grey nuclei, ophthalmologic manifestations following acute monoblastic leukemia treated with radiotherapy and methotrexate] Berkman N, et al. **Bull Soc Ophtalmol Fr** 1990 May; 90(5):483-8 (24 ref.) **(Fre)**
[Clinical problems of extrapyramidal diseases] Petelin LS. **Klin Med (Mosk)** 1990 Sep;68(9):10-3 (16 ref.) **(Rus)**

PHYSIOPATHOLOGY

The serotonin syndrome. Sternbach H. **Am J Psychiatry** 1991 Jun;148(6):705-13 (67 ref.)
Obsessive compulsive disorder and basal ganglia dysfunction [editorial] Rapoport JL. **Psychol Med** 1990 Aug;20(3):465-9 (37 ref.)

PREVENTION & CONTROL

Prophylactic antiparkinson drug use: I. Initial prophylaxis and prevention of extrapyramidal side effects. Lavin MR, et al. **J Clin Pharmacol** 1991 Aug;31(8):763-8 (17 ref.)

PSYCHOLOGY

Psychiatric consequences of basal ganglia disease. Rogers D. **Semin Neurol** 1990 Sep;10(3):262-6 (46 ref.)

THERAPY

The experimental technology of brain transplantation: implications for rehabilitation. Deckel AW. **Adv Clin Rehabil** 1990;3:270-93 (84 ref.)

BASAL LAMINA see **BASEMENT MEMBRANE**

BASAL METABOLISM

see related
CALORIMETRY

PHYSIOLOGY

Thyroid hormones and thermogenesis. Dauncey MJ. **Proc Nutr Soc** 1990 Jul;49(2):203-15 (83 ref.)

BASAL NUCLEI see **BASAL GANGLIA**

BASAL NUCLEUS, OLIVARY see **OLIVARY NUCLEUS**

BASAL VEIN see **CEREBRAL VEINS**

BASE COMPOSITION

Methods of detection of single base substitutions in clinical genetic practice. Forrest S, et al. **Mol Biol Med** 1990 Oct; 7(5):451-9 (50 ref.)

BASE PAIRS see **BASE COMPOSITION**

BASE RATIO see **BASE COMPOSITION**

BASE SEQUENCE

Nucleic acid sequence analysis software for microcomputers. Cannon G. **Anal Biochem** 1990 Nov 1;190(2):147-53 (6 ref.)
Statistical methods and insights for protein and DNA sequences. Karlin S, et al. **Annu Rev Biophys Biophys Chem** 1991;20:175-203 (103 ref.)
Computer analysis of DNA and protein sequences. von Heijne G. **Eur J Biochem** 1991 Jul 15;199(2):253-6 (44 ref.)
DNA sequencing: present limitations and prospects for the future. Barrell B. **FASEB J** 1991 Jan;5(1):40-5 (32 ref.)
Applications of the polymerase chain reaction to genome analysis. Rose EA. **FASEB J** 1991 Jan;5(1):46-54 (45 ref.)
Tracing origins with molecular sequences: metazoan and eukaryotic beginnings. Lake JA. **Trends Biochem Sci** 1991 Feb;16(2):46-50 (31 ref.)
[Strategy for DNA sequencing: use of transposing elements] Glukhov IL. **Mol Biol (Mosk)** 1990 Sep-Oct;24(5):1200-10 (98 ref.) (Eng. Abstr.) **(Rus)**

BASE SEQUENCE HOMOLOGY see **SEQUENCE HOMOLOGY, NUCLEIC ACID**

BASEDOW'S DISEASE see **GRAVES' DISEASE**

BASEMENT LAMINA see **BASEMENT MEMBRANE**

BASEMENT MEMBRANE

CYTOLOGY

Immunological and molecular approaches to the study of basement membrane proteoglycan diversity. Couchman JR, et al. **Biochem Soc Trans** 1990 Oct;18(5):819-20 (13 ref.)

EMBRYOLOGY

Basement membrane matrices in mouse embryogenesis, teratocarcinoma differentiation and in neuromuscular maturation. Leivo I, et al. **Int J Dev Biol** 1989 Mar; 33(1):81-9 (56 ref.)

ENZYMOLOGY

Association of acetylcholinesterase with the cell surface. Inestrosa NC, et al. **J Membr Biol** 1990 Oct;118(1):1-9 (88 ref.)

IMMUNOLOGY

[Anti-basement-membrane antibody mediated, rapidly progressive, glomerulonephritis. Diagnostic and therapeutic strategy based on a retrospective study of 14 cases] Bouget J, et al. **Ann Med Interne (Paris)** 1990; 141(5):409-15 (86 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Synthesis of basement membrane proteins in the small intestine. Simon-Assmann P, et al. **Digestion** 1990;46 Suppl 2:12-21 (29 ref.)

PATHOLOGY

Factors regulating basement membrane invasion by tumor cells. Thompson EW, et al. **Cancer Treat Res** 1988; 40:239-49 (59 ref.)
Structure of the dermal-epidermal junction and potential mechanisms for its degradation: the possible role of inflammatory cells. Schechter NM. **Immunol Ser** 1989; 46:477-507 (175 ref.)

PHYSIOLOGY

Entactin: structure and function. Chung AE, et al. **Am J Respir Cell Mol Biol** 1990 Oct;3(4):275-82 (71 ref.)
Facts and problems of the intestinal basement membrane. Hahn U. **Digestion** 1990;46 Suppl 2:40-8 (26 ref.)
The basal lamina and stability of the mammalian neuromuscular junction. Slater CR. **Prog Brain Res** 1990; 84:73-81 (38 ref.)

BASIC FIBROBLAST GROWTH FACTOR see **FIBROBLAST GROWTH FACTOR, BASIC**

BASIC PANCREATIC TRYPSIN INHIBITOR see **APROTININ**

BASIDIOMYCETES

CYTOLOGY

The development of infection structures by the rusts and other fungi. Staples RC. **Microbiol Sci** 1985 Jul;2(7):193-4, 197-8 (33 ref.)

BASILAR ARTERY

Spontaneous dissecting aneurysms of the basilar artery presenting with a subarachnoid hemorrhage. Report of two cases. Hosoda K, et al. **J Neurosurg** 1991 Oct;75(4):628-33 (26 ref.)

ABNORMALITIES

Magnetic resonance imaging of vertebrobasilar ectasia in tic convulsif. Case report. Harsh GR 4th, et al. **J Neurosurg** 1991 Jun;74(6):999-1003 (22 ref.)
[Fenestrated basilar artery with ruptured cerebral aneurysms: case report] Miyagi J, et al. **No Shinkei Geka** 1990 Dec; 18(12):1129-33 (14 ref.) (Eng. Abstr.) **(Jpn)**

INJURIES

[A case of incarceration of the vertebral and basilar arteries in a longitudinal fracture of the clivus] Sato H, et al. **No Shinkei Geka** 1990 Dec;18(12):1147-50 (16 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

[Total deafness after multiple pontine infarctions. Dolichoectasia of the basilar trunk] Davous P, et al. **Rev Neurol (Paris)** 1991;147(3):234-7 (21 ref.) (Eng. Abstr.) **(Fre)**

BASILAR ARTERY INSUFFICIENCY see **VERTEBROBASILAR INSUFFICIENCY**

BASILAR BONE see **OCCIPITAL BONE**

BASILAR IMPRESSION see **PLATYBASIA**

BASKETBALL

INJURIES

Apophyseal fracture of the lumbar spine in adolescence. Clark JE. **Orthop Rev** 1991 Jun;20(6):512-6 (12 ref.)

BASOPHILS

The human basophil. Valent P, et al. **Crit Rev Oncol Hematol** 1990;10(4):327-52 (517 ref.)

CYTOLOGY

[The theory of the staining of tissue basophils with the PAS method] Lopunova ZhK. **Arkh Anat Gistol Embriol** 1991 Mar;100(3):70-3 (32 ref.) **(Rus)**

DRUG EFFECTS

Cytokine-induced human basophil/mast cell growth and differentiation in vitro. Denburg JA. **Springer Semin Immunopathol** 1990;12(4):401-14 (81 ref.)

PHYSIOLOGY

[The role of tissue basophils in the pathogenesis of pneumoconiosis] Iaglov VV, et al. **Gig Tr Prof Zabol** 1990; (10):24-31 (16 ref.) (Eng. Abstr.) **(Rus)**

BASOPHILS, TISSUE see **MAST CELLS**

BATHS

[The primary mechanisms of the action of hydrogen sulfide baths] Andreev SV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1990 Jul-Aug;(4):6-11 (34 ref.) **(Rus)**

METHODS

[Air radon baths in the USSR. The research studies and their use] Bogoliubov VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1990 Sep-Oct; (5):58-64 (70 ref.) **(Rus)**

BATS see **CHIROPTERA**

BATTEN-SPIELMEYER-VOGT DISEASE see **NEURONAL CEROID-LIPOFUSCINOSIS**

BATTEY BACILLUS see **MYCOBACTERIUM AVIUM COMPLEX**

BAYES THEOREM

Everyday diagnostics--a critique of the Bayesian model. Jonson NE. **Med Hypotheses** 1991 Apr;34(4):289-95 (11 ref.)
[Bayesian analysis of ergometry test] de Brito AH. **Arq Bras Cardiol** 1991 Feb;56(2):97-103 (48 ref.) **(Por)**

BAYESIAN ANALYSIS see **BAYES THEOREM**

BAYESIAN FORECAST see **BAYES THEOREM**

BAYESIAN METHOD see **BAYES THEOREM**

BAYESIAN PREDICTION see **BAYES THEOREM**

BB-K8 see **AMIKACIN**

BCG see **MYCOBACTERIUM BOVIS**

BCG VACCINE

The role of BCG vaccine in tuberculosis control. Gheorghiu M. **Indian J Pediatr** 1990 Sep-Oct;57(5):651-5 (10 ref.)

ADMINISTRATION & DOSAGE

A modern approach to the immunotherapy of tuberculosis. Stanford JL, et al. **Bull Int Union Tuberc Lung Dis** 1990 Jun-Sep;65(2-3):27-9 (17 ref.)
[Carcinoma in situ of the urinary bladder--definition and status of treatment] Otto T, et al. **Urologe [A]** 1991 May;

30(3):163–6 (49 ref.) (Eng. Abstr.) **(Ger)**
[Contacts of children with tuberculous patients] Castan Vidal ML, et al. **An Esp Pediatr** 1991 Feb;34(2):129–31 (20 ref.) (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

First experience with BCG discontinuation in Europe. BCG vaccination and HIV infection. ten Dam HG. **Bull Int Union Tubere Lung Dis** 1990 Jun–Sep;65(2–3):38–9 (16 ref.)
[BCG-vaccination and its complications. How great are the benefits of vaccination today?] Stallinger H, et al. **Klin Padiatr** 1990 Sep–Oct;202(5):308–14 (77 ref.) (Eng. Abstr.) **(Ger)**

PHARMACOLOGY

Bacillus Calmette–Guérin (BCG): mechanism of action in superficial bladder cancer. Ratliff TL. **Urology** 1991;37(5 Suppl):8–11 (0 ref.)

STANDARDS

Improving on BCG. Stanford JL. **APMIS** 1991 Feb; 99(2):103–13 (53 ref.)

THERAPEUTIC USE

Intravesical bacillus Calmette–Guérin (BCG) in superficial bladder tumors. An overview. Debruyne FM, et al. **Arch Esp Urol** 1990;43 Suppl 2:133–8 (42 ref.)
Mechanisms of action of intravesical bacillus Calmette–Guerin for bladder cancer. Mikkelsen DJ, et al. **Cancer Treat Res** 1989;46:195–211 (52 ref.)
BCG treatment of superficial transitional cell carcinoma. Schellhammer PF. **Urology** 1991;37(5 Suppl):16–8 (13 ref.)

BCR-ABL FUSION PROTEINS see **FUSION PROTEINS, BCR-ABL**

BEANS see **LEGUMES**

BEAVERS see **RODENTIA**

BECHTEREW'S DISEASE see **SPONDYLITIS, ANKYLOSING**

BECKER MUSCULAR DYSTROPHY see **MUSCULAR DYSTROPHY**

BECKWITH–WIEDEMANN SYNDROME

ULTRASONOGRAPHY

Prenatal diagnosis in autosomal dominant Beckwith–Wiedemann syndrome. Viljoen DL, et al. **Prenat Diagn** 1991 Mar;11(3):167–75 (20 ref.)

BED REST

Rest in hospital and twin pregnancy [comment] Hall MH. **Br J Obstet Gynaecol** 1990 Oct;97(10):869–71 (21 ref.)
Comment on: Br J Obstet Gynaecol 1990 Oct;97(10):872–7.
Comment on: Br J Obstet Gynaecol 1990 Oct;97(10):878–82.
[Lumbago: rest or movement?] Ernst E. **Fortschr Med** 1991 Apr 30;109(13):271–2 (21 ref.) (Eng. Abstr.) **(Ger)**

BEDS

Continuous lateral rotational therapy and nosocomial pneumonia. Sahn SA. **Chest** 1991 May;99(5):1263–7 (35 ref.)

STANDARDS

Sudden infant death syndrome (crib death) and possible relation to long-term mattress compression. Chapell MS. **Psychol Rep** 1990 Dec;67(3 Pt 2):1267–72 (34 ref.)

BEDSORES see **DECUBITUS ULCER**

BEE VENOMS

PHARMACOLOGY

Mast cell degranulating peptide: a multi-functional neurotoxin. Ziai MR, et al. **J Pharm Pharmacol** 1990 Jul; 42(7):457–61 (39 ref.)

BEES

see related
HONEY

BEHAVIOR

see related
GENETICS, BEHAVIORAL

Neurobiological substrates of ictal behavioral changes. Gloor P. **Adv Neurol** 1991;55:1–34 (92 ref.)
Evaluation of behavioral and cognitive changes: the mental status examination. Bauer J, et al. **Emerg Med Clin North Am** 1991 Feb;9(1):1–12 (45 ref.)
Behavioral aspects of intervention strategies to reduce dietary sodium. Kumanyika S. **Hypertension** 1991 Jan;17(1 Suppl):I190–5 (32 ref.)
Behavioral complications of dementia: a clinical approach for the general internist. Howell T, et al. **J Gen Intern Med** 1990 Sep–Oct;5(5):431–7 (31 ref.)
The role of behavioral factors in white coat and sustained hypertension. Pickering TG, et al. **J Hypertens Suppl** 1990 Dec;8(7):S141–7 (46 ref.)
Behavioral economics of drug self-administration. I. Functional equivalence of response requirement and drug dose. Bickel WK, et al. **Life Sci** 1990;47(17):1501–10 (18 ref.)
Behavioral adaptations to pathogens and parasites: five strategies. Hart BL. **Neurosci Biobehav Rev** 1990 Fall; 14(3):273–94 (297 ref.)
Worksite behavioral research. Results, sensitive methods, test batteries and the transition from laboratory data to human health. Anger WK. **Neurotoxicology** 1990 Winter; 11(4):627–717 (411 ref.)
An integrated nursing model of depressive behavior in adults. Theory and implications for practice. Calarco MM, et al. **Nurs Clin North Am** 1991 Sep;26(3):573–84 (44 ref.)
The locked-in syndrome and the behaviorist epistemology of other minds. Kurthen M, et al. **Theor Med** 1991 Mar; 12(1):69–79 (30 ref.)

DRUG EFFECTS

Behavioral effects of antiepileptic drugs. Dodrill CB. **Adv Neurol** 1991;55:213–24 (92 ref.)
Behavioural studies in humans: anxiety, stress and smoking. Pomerleau OF, et al. **Ciba Found Symp** 1990;152:225–35; discussion 235–9 (42 ref.)
Behavioural pharmacology of nicotine: implications for multiple brain nicotinic receptors. Stolerman IP. **Ciba Found Symp** 1990;152:3–16; discussion 16–22 (27 ref.)
Neurobehavioral effects of toxicity due to metals, solvents, and insecticides. White RF, et al. **Clin Neuropharmacol** 1990 Oct;13(5):392–412 (94 ref.)
Human fetal lead exposure: intrauterine growth, maturation, and postnatal neurobehavioral development. Dietrich KN. **Fundam Appl Toxicol** 1991 Jan;16(1):17–9 (21 ref.)
Evidence for behavioral teratogenicity in humans. Nelson BK. **J Appl Toxicol** 1991 Feb;11(1):33–7 (73 ref.)
Neurobehavioral effects of antihypertensive medications. Muldoon MF, et al. **J Hypertens** 1991 Jun;9(6):549–59 (121 ref.)
Behavioral toxicology and risk assessment. Annau Z. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):547–51 (32 ref.)
The long-term neurobehavioral consequences of substance abuse: conceptual and methodological challenges for future research. Reed RJ, et al. **NIDA Res Monogr** 1990;101:10–56 (272 ref.)
Anabolic steroids and behavior: a preclinical research prospectus. Svare BB. **NIDA Res Monogr** 1990;102:224–41 (75 ref.)
The "Clever Hans" phenomenon in animal models of schizophrenia, or homology as an important factor in comparing behavioral functions across species. Ahlenius S. **Perspect Biol Med** 1991 Winter;34(2):219–25 (24 ref.)
Mechanisms that may underlie the behavioural effects of ethanol. Little HJ. **Prog Neurobiol** 1991;36(3):171–94 (210 ref.)
The use of benzodiazepines in the management of behavioral symptoms in demented patients. Stern RG, et al. **Psychiatr Clin North Am** 1991 Jun;14(2):375–84 (17 ref.)
Gonadal hormones, sex and behavior. Halbreich U, et al. **Psychopharmacol Bull** 1990;26(3):297–301 (20 ref.)

PHYSIOLOGY

Behavioral correlates of interictal spikes. Binnie CD, et al. **Adv Neurol** 1991;55:113–26 (82 ref.)
Neurochemical substrates of ictal behavior. Meldrum BS. **Adv Neurol** 1991;55:35–45 (81 ref.)
Effects of temporal lobe surgery on behavior. Rausch R. **Adv Neurol** 1991;55:279–92 (65 ref.)
Behavioral changes following corpus callosotomy. Reeves AG. **Adv Neurol** 1991;55:293–300 (63 ref.)
Merrill C. Sosman lecture. Drugs, behavior, and brain chemistry. Wagner HN Jr. **AJR Am J Roentgenol** 1990 Nov;155(5):925–31 (33 ref.)
Modulation of neural networks for behavior. Harris-Warrick RM, et al. **Annu Rev Neurosci** 1991;14:39–57 (106 ref.)
The neural basis of behavior: a neuroethological view. Heiligenberg W. **Annu Rev Neurosci** 1991;14:247–67 (105 ref.)
The role of diet in modulating brain metabolism and behavior. Greenwood C. **Bol Asoc Med P R** 1990 Jun;82(6):273–5 (13 ref.)
Neural basis of behavior: animal models of human conditions. Sanberg PR, et al. **Brain Res Bull** 1990 Sep;25(3):447–51 (43 ref.)
Illness behavior and dysfunction: review of concepts and application to chronic pain. Dworkin SF. **Can J Physiol Pharmacol** 1991 May;69(5):662–71 (46 ref.)
Prolegomena to a model of continuity and change in behavioural development. Caspi A. **Ciba Found Symp** 1991; 156:209–19; discussion 219–23 (46 ref.)
Association brain systems as apparatus of behavior control involving dominanta and conditioning. Batuev AS. **Int J Neurosci** 1990 Oct;54(3–4):183–90 (45 ref.)
Towards a process paradigm in psychophysiology. O'Connor K. **Int J Psychophysiol** 1990 Oct;9(3):209–23 (32 ref.)
5-Hydroxytryptamine1A receptors and behavioral responses. Lucki I, et al. **Neuropsychopharmacology** 1990 Oct–Dec; 3(5–6):481–93 (98 ref.)
The prefrontal cortex and its relation to behavior. Fuster JM. **Prog Brain Res** 1991;87:201–11 (26 ref.)
Human psychological circadian rhythms as behavioral messengers. Monk TH. **Prog Clin Biol Res** 1990;341B:1–12 (23 ref.)
From phenomenon to mechanism: an investigational strategy. Dilsaver SC. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(4):449–58 (45 ref.)
Obsessive-compulsive disorder: a neuroethological perspective. Insel TR. **Psychopharmacol Bull** 1988; 24(3):365–9 (26 ref.)
Psychological and behavioural effects of endogenous testosterone levels and anabolic–androgenic steroids among males. A review. Bahrke MS, et al. **Sports Med** 1990 Nov; 10(5):303–37 (278 ref.)
From behavior to molecules: an integrated approach to the study of neuropeptides. Tublitz N, et al. **Trends Neurosci** 1991 Jun;14(6):254–9 (37 ref.)
[Health psychology and Type A behavior] Hashimoto T. **Kokyu To Junkan** 1990 Dec;38(12):1185–91 (35 ref.) **(Jpn)**
[Latent foci of excitation and the unpredictability of behavioral reactions] Pavlygina RA. **Zh Vyssh Nerv Deiat** 1990 Nov–Dec;40(6):1080–8 (22 ref.) (Eng. Abstr.) **(Rus)**
[Central nervous system control for maximal alertness in danger] Folkow B. **Lakartidningen** 1990 Dec 19; 87(51–52):4424–8 (13 ref.) (Eng. Abstr.) **(Swe)**

BEHAVIOR, ADOLESCENT see **ADOLESCENT BEHAVIOR**

BEHAVIOR, ANIMAL

Prostaglandins, oviducal function, and parturient behavior in nonmammalian vertebrates. Guillette LJ Jr, et al. **Am J Physiol** 1991 May;260(5 Pt 2):R854–61 (72 ref.)
Animal models of serotonin behavior. Green AR, et al. **Ann N Y Acad Sci** 1990;600:237–48; discussion 248–9 (38 ref.)
Neurophysiological and neurochemical studies of brain serotonergic neurons in behaving animals. Jacobs BL, et al. **Ann N Y Acad Sci** 1990;600:260–8; discussion 268–71 (30 ref.)
Serotonergic control of cerebral activity and behavior: models of dementia. Vanderwolf CH, et al. **Ann N Y Acad Sci** 1990;600:366–82; discussion 382–3 (66 ref.)
Environmental and biological incidences over predatory aggression in rodents. Haug M, et al. **Comp Biochem Physiol A** 1991;99(3):285–93 (91 ref.)
Animal behavior and animal welfare. Houpt KA. **J Am Vet Med Assoc** 1991 Apr 15;198(8):1355–60 (28 ref.)
Behavioral aspects of stress. Friend TH. **J Dairy Sci** 1991 Jan;74(1):292–303 (73 ref.)
Genes expressed in the adult brain of Drosophila and effects of their mutations on behavior: a survey of transmitter- and second messenger-related genes. Buchner E. **J Neurogenet** 1991;7(4):153–92 (307 ref.)
Multiple populations of serotonin receptors may modulate the behavioral effects of serotonergic agents. Glennon RA, et al. **Life Sci** 1991;48(26):2493–8 (27 ref.)
The Croonian lecture, 1990. The interdependence of the behavioural sciences. Hinde RA. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29; 329(1253):217–27 (69 ref.)
Diet selection by animals: theory and experimental design. Emmans GC. **Proc Nutr Soc** 1991 Mar;50(1):59–64 (3 ref.)
Grouping management and physical facilities. Sniffen CJ. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):465–71 (8 ref.)
The behavior of sick animals. Hart BL. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):225–37 (65 ref.)
Psychologic well-being: conceptual issues, behavioral measures, and implications for dogs. Hetts S. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):369–87 (79 ref.)
Feline scratching and destruction and the effects of declawing. Landsberg GM. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):265–79 (21 ref.)
Stereotypic or obsessive-compulsive disorders in dogs and cats. Luescher UA, et al. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):401–13 (55 ref.)
Diagnostic criteria for separation anxiety in the dog. McCrave EA. **Vet Clin North Am Small Anim Pract** 1991 Mar;21(2):247–55 (18 ref.)
Use of innate behaviors to evaluate sensory function in the dog. Myers LJ. **Vet Clin North Am Small Anim Pract** 1991 Mar;21(2):389–9 (28 ref.)
[Behavioral ecology of the transmission of rabies] Artois M, et al. **Ann Rech Vet** 1991;22(2):163–72 (43 ref.) (Eng. Abstr.) **(Fre)**
[Protective effect of intrastriatal grafts in an experimental

model of Huntington's disease. Behavioral and morphological correlation] Levivier M, et al. **Neurochirurgie** 1991;37(3):148–59 (101 ref.) (Eng. Abstr.) **(Fre)**

[Behavior disorders in dogs--study of their classification] Feddersen-Petersen D. **DTW Dtsch Tierarztl Wochenschr** 1991 Jan;98(1):15–9 (18 ref.) (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Neuropharmacological and behavioural properties of remoxipride in the rat. Ogren SO, et al. **Acta Psychiatr Scand Suppl** 1990;358:21–6 (28 ref.)

The long-term behavioral effects of prenatal alcohol exposure in rats. Riley EP. **Alcohol Clin Exp Res** 1990 Oct; 14(5):670–3 (32 ref.)

Physiological and behavioral responses to corticotropin-releasing factor administration: is CRF a mediator of anxiety or stress responses? Dunn AJ, et al. **Brain Res Brain Res Rev** 1990 May–Aug;15(2):71–100 (267 ref.)

Behavioural pharmacology of nicotine: implications for multiple brain nicotinic receptors. Stolerman IP. **Ciba Found Symp** 1990;152:3–16; discussion 16–22 (27 ref.)

Assessment of animal behaviour as a method to indicate environmental toxicity. Døving KB. **Comp Biochem Physiol [C]** 1991;100(1–2):247–52 (52 ref.)

Neurobehavioral changes produced by developmental exposure to benzodiazepines. De Salvia MA, et al. **Dev Pharmacol Ther** 1990;15(3–4):173–7 (28 ref.)

Behavioural pharmacology of the serenic, eltoprazine. Olivier B, et al. **Drug Metabol Drug Interact** 1990;8(1–2):31–83 (136 ref.)

Behavioural physiology of serotonergic and steroid-like anxiolytics as antistress drugs. Bohus B, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):529–34 (71 ref.)

Behavioral effects of 5-HT receptor ligands in the aversive brain stimulation, elevated plus-maze and learned helplessness tests. Graeff FG, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):501–6 (49 ref.)

Behavioral toxicology and risk assessment. Annau Z. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):547–51 (32 ref.)

Animal conflict, analgesia and the modulatory effects of FMRFamide-related peptides. Kavaliers M. **NIDA Res Monogr** 1991;105:250–6 (21 ref.)

Use of complex behavioral baselines to monitor residual drug effects in animals. Paule MG. **NIDA Res Monogr** 1990; 101:57–70 (16 ref.)

The "Clever Hans" phenomenon in animal models of schizophrenia, or homology as an important factor in comparing behavioral functions across species. Ahlenius S. **Perspect Biol Med** 1991 Winter;34(2):219–25 (24 ref.)

The cannabinoid receptor: biochemical, anatomical and behavioral characterization. Howlett AC, et al. **Trends Neurosci** 1990 Oct;13(10):420–3 (42 ref.)

The behavioral pharmacology of NMDA receptor antagonists [see comments] Willetts J, et al. **Trends Pharmacol Sci** 1990 Oct;11(10):423–8 (42 ref.) Comment in: Trends Pharmacol Sci 1991 Feb;12(2):52.

Psychotropic drugs and behavioral therapy. Marder AR. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):329–42 (33 ref.)

PHYSIOLOGY

Neuropeptide Y: an overview of central distribution, functional aspects, and possible involvement in neuropsychiatric illnesses. Heilig M, et al. **Acta Psychiatr Scand** 1990 Aug;82(2):95–114 (265 ref.)

Potential for improving animal health by modulation of behavior and immune function. McGlone JJ. **Adv Vet Sci Comp Med** 1990;35:307–15 (24 ref.)

Operantly conditioned plasticity in spinal cord. Wolpaw JR, et al. **Ann N Y Acad Sci** 1991;627:338–48 (40 ref.)

The neural basis of behavior: a neuroethological view. Heiligenberg W. **Annu Rev Neurosci** 1991;14:247–67 (105 ref.)

Cross-modal performance: behavioural processes, phylogenetic considerations and neural mechanisms. Ettlinger G, et al. **Behav Brain Res** 1990 Nov 30; 40(3):169–92 (111 ref.)

Use of recombinant inbred strains to detect quantitative trait loci associated with behavior. Plomin R, et al. **Behav Genet** 1991 Mar;21(2):99–116 (30 ref.)

Neuroethological approaches to the evolution of neural systems. Volman SF. **Brain Behav Evol** 1990;36(2–3):154–65 (60 ref.)

An analysis of the correlation of lesion size, localization and behavioral effects in 283 published studies of cortical and subcortical lesions in old-world monkeys. Irle E. **Brain Res Brain Res Rev** 1990 Sep–Dec;15(3):181–213 (372 ref.)

Cardiovascular responses as behavior. Engel BT, et al. **Circulation** 1991 Apr;83(4 Suppl):II9–13 (22 ref.)

Association brain systems as apparatus of behavior control involving dominanta and conditioning. Batuev AS. **Int J Neurosci** 1990 Oct;54(3–4):183–90 (45 ref.)

Neuronal mechanisms of goal-directed behaviour in monkeys. Batuev AS. **Int J Neurosci** 1989 Jan; 44(1–2):59–66 (29 ref.)

"Reflexes of purpose and freedom" in the comparative physiology of higher nervous activity. Simonov PV. **Neurosci Behav Physiol** 1990 May–Jun;20(3):230–5 (19 ref.)

Behavioral correlates of chronic dominance-subordination relationships of male rats in a seminatural situation. Blanchard DC, et al. **Neurosci Biobehav Rev** 1990 Winter; 14(4):455–62 (36 ref.)

The basal ganglia-orofacial system: studies on neurobehavioral plasticity and sensory-motor tuning. Huston JP, et al. **Neurosci Biobehav Rev** 1990 Winter; 14(4):433–46 (123 ref.)

Polypeptide growth factors in mammalian development: some issues for neurotoxicology and behavioral teratology. Alleva E, et al. **Neurotoxicology** 1990 Summer; 11(2):293–303 (50 ref.)

Enkephalin influences on behavioral and neural plasticity: mechanisms of action. Martinez JL Jr, et al. **NIDA Res Monogr** 1990;97:48–78 (130 ref.)

Social behaviour and the prefrontal cortex. de Bruin JP. **Prog Brain Res** 1990;85:485–96; discussion 497 (31 ref.)

Behavioral electrophysiology of the prefrontal cortex of the primate. Fuster JM. **Prog Brain Res** 1990;85:313–23; discussion 323–4 (20 ref.)

Age-dependent effects of lesioning the mesocortical dopamine system upon prefrontal cortex morphometry and PFC-related behaviors. Kalsbeek A, et al. **Prog Brain Res** 1990;85:257–82; discussion 282–3 (156 ref.)

Anatomical correlates of behavioural change after neonatal prefrontal lesions in rats. Kolb B, et al. **Prog Brain Res** 1990;85:241–55; discussion 255–6 (50 ref.)

Contributions of the amygdalar complex to behavior in macaque monkeys. Murray EA. **Prog Brain Res** 1991; 87:167–80 (74 ref.)

Play and energy regulation in mammals. Barber N. **Q Rev Biol** 1991 Jun;66(2):129–47 (168 ref.)

From behavior to molecules: an integrated approach to the study of neuropeptides. Tublitz N, et al. **Trends Neurosci** 1991 Jun;14(6):254–9 (37 ref.)

Animal models as simulations of depression. Willner P. **Trends Pharmacol Sci** 1991 Apr;12(4):131–6 (50 ref.)

The pathophysiologic basis of behavior problems. Reisner I. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):207–24 (108 ref.)

[Electrical stimulation of the brain as a signal in goal-directed behavior] Grigor'ian GA. **Usp Fiziol Nauk** 1991 Jan–Feb; 22(1):40–56 (130 ref.) **(Rus)**

[The formation of early species-specific behavior. The role of environmental factors] Khaiutin SN, et al. **Usp Fiziol Nauk** 1990 Oct–Dec;21(4):23–49 (181 ref.) **(Rus)**

[The neurophysiological, behavioral and humoral correlates of "animal hypnosis"] Krasnoperov OV, et al. **Usp Fiziol Nauk** 1991 Apr–Jun;22(2):90–102 (56 ref.) **(Rus)**

[Kindling as a model for the formation of behavioral disorders] Shandra AA, et al. **Usp Fiziol Nauk** 1990 Oct–Dec;21(4):50–67 (83 ref.) **(Rus)**

[Latent foci of excitation and the unpredictability of behavioral reactions] Pavlygina RA. **Zh Vyssh Nerv Deiat** 1990 Nov–Dec;40(6):1080–8 (22 ref.) (Eng. Abstr.) **(Rus)**

[Central nervous system control for maximal alertness in danger] Folkow B. **Lakartidningen** 1990 Dec 19; 87(51–52):4424–8 (13 ref.) (Eng. Abstr.) **(Swe)**

RADIATION EFFECTS

Microwave radiation absorption: behavioral effects. D'Andrea JA. **Health Phys** 1991 Jul;61(1):29–40 (66 ref.)

BEHAVIOR, DANGEROUS see **DANGEROUS BEHAVIOR**

BEHAVIOR MODIFICATION see **BEHAVIOR THERAPY**

BEHAVIOR THERAPY

Evocation and inhibition of seizures. Behavioral treatment. Fenwick P. **Adv Neurol** 1991;55:163–83 (127 ref.)

Panic and phobic disorders. Current cognitive behavioural strategies. Marriott P. **Aust Fam Physician** 1990 Sep; 19(9):1357, 1360–2, 1365–70 (9 ref.)

Self-regulation of the immune system through biobehavioral strategies. Halley FM. **Biofeedback Self Regul** 1991 Mar; 16(1):55–74 (63 ref.)

Scientific inquiry in childhood cancer psychosocial research. Theoretical, conceptual, and methodologic issues in the investigation and behavioral treatment of procedure-related distress. Carpenter PJ. **Cancer** 1991 Feb 1;67(3 Suppl):833–8 (31 ref.)

Behavioral treatment in pediatrics. Varni JW, et al. **Curr Probl Pediatr** 1990 Nov;20(11):639–704 (101 ref.)

Is social validity what we are interested in? Argument for a functional approach. Hawkins RP. **J Appl Behav Anal** 1991 Summer;24(2):205–13 (26 ref.)

Treating the anxiety: therapeutic options in obsessive compulsive disorder. Greist JH. **J Clin Psychiatry** 1990 Nov;51 Suppl:29–34 (32 ref.)

Mechanisms of action in cognitive-behavioral and pharmacological interventions for obesity and bulimia nervosa. Craighead LW, et al. **J Consult Clin Psychol** 1991 Feb;59(1):115–25 (77 ref.)

Behavioral, cognitive, and pharmacological treatments of panic disorder with agoraphobia: critique and synthesis. Michelson LK, et al. **J Consult Clin Psychol** 1991 Feb; 59(1):100–14 (119 ref.)

Behavioural change and the stress-coping paradigm: some comments on modelling the European code on avoiding cancer. Kelly MP. **J Public Health Med** 1990;12(2):105–8 (14 ref.)

The assessment and management of obsessive-compulsive disorder. McConaghy N. **Med J Aust** 1991 Jun 3; 154(11):760–4 (11 ref.)

Eating disorders as addictive behavior. Integrating 12-step programs into treatment planning. Riley EA. **Nurs Clin North Am** 1991 Sep;26(3):715–26 (23 ref.)

The role of behavior therapists in child custody cases. Emery RE, et al. **Prog Behav Modif** 1990;26:60–88 (75 ref.)

Functional analysis and treatment of aberrant behavior. Mace FC, et al. **Res Dev Disabil** 1991;12(2):155–80 (76 ref.)

[Biological treatments in obsessive-compulsive disorder] Montgomery SA, et al. **Encephale** 1990 Jul–Aug;16 Spec No:335–9 (25 ref.) (Eng. Abstr.) **(Fre)**

EDUCATION

Harnessing computer technology for behavioral therapy training and research. Lambert ME, et al. **Prog Behav Modif** 1991;27:86–103 (100 ref.)

METHODS

What is presented, and what prevented, in cue exposure and response prevention with alcohol dependent subjects? Laberg JC. **Addict Behav** 1990;15(4):367–86 (82 ref.)

Cue exposure and relapse prevention in the treatment of addictive behaviors. Marlatt GA. **Addict Behav** 1990; 15(4):395–9 (10 ref.)

The effects of exposure to drug-related cues in detoxified opiate addicts: a theoretical review and some new data. Powell J, et al. **Addict Behav** 1990;15(4):339–54 (67 ref.)

Conditioning processes and cue exposure in the modification of excessive eating. Wardle J. **Addict Behav** 1990; 15(4):387–93 (36 ref.)

Community treatment for the seriously mentally ill: is this community psychology? [comment] Mowbray CT. **Am J Community Psychol** 1990 Dec;18(6):893–902 (18 ref.) Comment on: Am J Community Psychol 1990 Dec;18(6):865–91.

The ideology and science of punishment in mental retardation [see comments] Mulick JA. **Am J Ment Retard** 1990 Sep; 95(2):142–56; discussion 157–81 (70 ref.) Comment in: Am J Ment Retard 1990 Sep;95(2):137–41.

Behavioral family treatment for patients with bipolar affective disorder. Miklowitz DJ, et al. **Behav Modif** 1990 Oct;14(4):457–89 (55 ref.)

Social behavior of students who are seriously emotionally disturbed. A quantitative analysis of intervention studies. Singh NN, et al. **Behav Modif** 1991 Jan;15(1):74–94 (60 ref.)

Family interventions for schizophrenia. Tarrier N, et al. **Behav Modif** 1990 Oct;14(4):408–40 (100 ref.)

Behavioural and cognitive-behavioural treatments for epilepsy: a progress review. Goldstein LH. **Br J Clin Psychol** 1990 Sep;29 (Pt 3):257–69 (36 ref.)

Brief intervention strategies for harmful drinkers: new directions for medical education. Babor TF. **Can Med Assoc J** 1990 Nov 15;143(10):1070–6 (31 ref.)

Terminology and behavior reduction: the case against "punishment". Skiba RJ, et al. **Except Child** 1991 Feb; 57(4):298–313 (110 ref.)

Restricted environmental stimulation and smoking cessation: a 15-year progress report. Suedfeld P. **Int J Addict** 1990 Aug;25(8):861–88 (65 ref.)

Teaching persons with profound multiple handicaps: a review of the effects of behavioral research. Reid DH, et al. **J Appl Behav Anal** 1991 Summer;24(2):319–36 (75 ref.)

Treatment of destructive behaviors in persons with developmental disabilities. **J Autism Dev Disord** 1990 Sep; 20(3):403–29; discussion 431–2 (0 ref.)

Behavior analysis, cognitive therapy, and covert conditioning. Cautela JR, et al. **J Behav Ther Exp Psychiatry** 1990 Jun;21(2):83–90 (29 ref.)

Matching treatments to client problems not diagnostic labels: a case for paradigmatic behavior therapy. Eifert GH, et al. **J Behav Ther Exp Psychiatry** 1990 Sep;21(3):163–72 (36 ref.)

Eating disorders: a primer for the substance abuse specialist. 2. Theories of etiology, treatment approaches, and considerations during co-morbidity with substance abuse. Katz JL. **J Subst Abuse Treat** 1990;7(4):211–7 (25 ref.)

Helpful strategies in working with preschool children in pediatric practice. Kuttner L. **Pediatr Ann** 1991 Mar; 20(3):120–2, 124–7 (25 ref.)

Teaching self-instructional skills to persons with mental retardation: a descriptive and experimental analysis. Agran M, et al. **Prog Behav Modif** 1991;27:36–55 (47 ref.)

Injury control in children. Christophersen ER, et al. **Prog Behav Modif** 1991;27:104–21 (75 ref.)

Adolescent anger control: review and critique. Feindler EL. **Prog Behav Modif** 1990;26:11–59 (120 ref.)

Cognitive-behavioral approaches to personality disorders. Fleming B, et al. **Prog Behav Modif** 1990;25:119–51 (80 ref.)

Behavioral assessment and treatment of brain-impaired individuals. Franzen MD. **Prog Behav Modif** 1991;27:56–85 (117 ref.)

Pharmacological and behavioral treatment for cigarette

smoking. Hall SM, et al. **Prog Behav Modif** 1990;25:86–118 (120 ref.)
Independent performance among individuals with mental retardation: promoting generalization through self-instruction. Hughes C. **Prog Behav Modif** 1991;27:7–35 (31 ref.)
Behavioral treatment of insomnia. Lilie JK, et al. **Prog Behav Modif** 1990;25:152–77 (75 ref.)
Modification of childhood aggression. Lochman JE. **Prog Behav Modif** 1990;25:47–85 (95 ref.)
Behavioral family therapy for schizophrenia. Mueser KT, et al. **Prog Behav Modif** 1990;26:122–49 (75 ref.)
The behavioral model and adolescents with behavior disorders: a review of selected treatment studies. Olinger E, et al. **Prog Behav Modif** 1991;27:122–56 (100 ref.)
Behavioral assessment and treatment of parent-adolescent conflict. Robin AL, et al. **Prog Behav Modif** 1990; 25:178–215 (105 ref.)
Guided mastery treatment of agoraphobia: beyond stimulus exposure. Williams SL. **Prog Behav Modif** 1990;26:89–121 (50 ref.)
Behavioral approaches to neuropsychological rehabilitation. McGlynn SM. **Psychol Bull** 1990 Nov;108(3):420–41 (90 ref.)
Correspondence training: review and current issues. Baer RA. **Res Dev Disabil** 1990;11(4):379–93 (33 ref.)
[New aspects of complex chronic tinnitus. II: The lost silence: effects and psychotherapeutic possibilities in complex chronic tinnitus] Goebel G, et al. **Psychother Psychosom Med Psychol** 1991 Mar–Apr; 41(3–4):123–33 (62 ref.) (Eng. Abstr.) **(Ger)**

BEHAVIOR THERAPY, COGNITIVE see **COGNITIVE THERAPY**

BEHAVIORAL MEDICINE

Behavioral medicine as a part of a comprehensive small animal medical program. Burghardt WF Jr. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):343–52 (32 ref.)

TRENDS

Behavior as the central outcome in health care. Kaplan RM. **Am Psychol** 1990 Nov;45(11):1211–20 (64 ref.)

BEHAVIORAL SCIENCES

Health and aging among American Indians: issues and challenges for the biobehavioral sciences. Manson SM, et al. **Am Indian Alsk Native Ment Health Res** 1988;1 MONO 1:160–200 discussion 201–10 (17 ref.)
The Croonian lecture, 1990. The interdependence of the behavioural sciences. Hinde RA. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29; 329(1253):217–27 (69 ref.)

BEHAVIORISM

[Paradigmatic behavioral theory of depression by Arthur w. Staats and Elaine M. Heiby] Tyra TL. **Psychiatr Pol** 1990 Jan–Feb;24(1):45–53 (22 ref.) **(Pol)**

BEHCET'S SYNDROME

Behçet's disease. Report of twelve cases with three manifesting as papilledema. Kalbian VV, et al. **Am J Med** 1970 Dec;49(6):823–9 (37 ref.)
Behçet's disease. Mizushima Y. **Curr Opin Rheumatol** 1991 Feb;3(1):32–5 (29 ref.)
Behçet's disease. Michelson JB, et al. **Int Ophthalmol Clin** 1990 Fall;30(4):271–8 (48 ref.)

COMPLICATIONS

IgA nephritis in Behçet's disease: case report and review of the literature. Akutsu Y, et al. **Clin Nephrol** 1990 Aug; 34(2):52–5 (26 ref.)
Intraocular lens implantation in an eye with Behçet's uveitis. Loewenstein A, et al. **J Cataract Refract Surg** 1991 Jan; 17(1):95–7 (12 ref.)
[Endothoracic vascular involvement in Behçet's disease] Benzarti M, et al. **Rev Pneumol Clin** 1990;46(4):178–82 (39 ref.) (Eng. Abstr.) **(Fre)**
[Cerebral sinus vein thrombosis in Behçet's disease] Borer H, et al. **Schweiz Med Wochenschr** 1991 May 25; 121(21):788–92 (53 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSIS

[Pulmonary hemorrhage as the initial manifestation of Behçet's disease] Nicolás JM, et al. **Rev Clin Esp** 1991 May; 188(9):466–7 (16 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

[Immunological aspects of Behçet's disease] Ayed K. **Rev Rhum Mal Osteoartic** 1991 Jan;58(1):53–8 (50 ref.) **(Fre)**

PATHOLOGY

Polychondritis and Behçet's disease. Miller PK, et al. **Curr Opin Rheumatol** 1990 Feb;2(1):70–5 (33 ref.)

BELCHING see **ERUCTATION**

BELGIAN HARE see **RABBITS**

BELL'S PALSY see **FACIAL PARALYSIS**

BENCE JONES PROTEIN

Bence Jones proteins: a powerful tool for the fundamental study of protein chemistry and pathophysiology. Stevens FJ, et al. **Biochemistry** 1991 Jul 16;30(28):6803–5 (34 ref.)

URINE

[Biochemical tests in blood and urine for amyloidosis] Yakata M, et al. **Nippon Rinsho** 1991 Apr;49(4):826–30 (14 ref.) **(Jpn)**

BENDS see **DECOMPRESSION SICKNESS**

BENECKEA see **VIBRIO**

BENHYDRAMIN see **DIPHENHYDRAMINE**

BENIGN INTRACRANIAL HYPERTENSION see **PSEUDOTUMOR CEREBRI**

BENIGN MONOCLONAL GAMMOPATHIES see **MONOCLONAL GAMMOPATHIES, BENIGN**

BENSOKAIN see **BENZOCAINE**

BENZAMIDES

ADVERSE EFFECTS

Interaction studies with moclobemide. Zimmer R, et al. **Acta Psychiatr Scand Suppl** 1990;360:84–6 (7 ref.)

PHARMACOKINETICS

Clinical pharmacokinetics of remoxipride. von Bahr C, et al. **Acta Psychiatr Scand Suppl** 1990;358:41–4 (16 ref.)

PHARMACOLOGY

Hypotensive action and weak potentiation of tyramine effect by moclobemide in rats. Da Prada M, et al. **Acta Psychiatr Scand Suppl** 1990;360:106–7 (12 ref.)
Short-lasting and reversible inhibition of monoamine oxidase-A by moclobemide. Da Prada M, et al. **Acta Psychiatr Scand Suppl** 1990;360:103–5 (10 ref.)
Comparison of monoamine oxidase-A inhibition by moclobemide in vitro and ex vivo in rats. Kettler R, et al. **Acta Psychiatr Scand Suppl** 1990;360:101–2 (18 ref.)
Biochemical pharmacology of the atypical neuroleptic remoxipride. Köhler C, et al. **Acta Psychiatr Scand Suppl** 1990;358:27–36 (45 ref.)
Neuropharmacological and behavioural properties of remoxipride in the rat. Ogren SO, et al. **Acta Psychiatr Scand Suppl** 1990;358:21–6 (28 ref.)
Remoxipride. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in schizophrenia [published erratum appears in Drugs 1991 Apr;41(4):532] Wadworth AN, et al. **Drugs** 1990 Dec; 40(6):863–79 (68 ref.)

THERAPEUTIC USE

Reversible and irreversible monoamine oxidase inhibitors in other psychiatric disorders. Liebowitz MR, et al. **Acta Psychiatr Scand Suppl** 1990;360:29–34 (43 ref.)

BENZANTHRACENES

PHARMACOLOGY

[Evaluation of the inducing and autoinducing properties of pyrene, fluoranthene and benz(a)anthracene] Brandys J, et al. **Folia Med Cracov** 1990;31(3):157–63 (18 ref.) (Eng. Abstr.) **(Pol)**

BENZATHINE PENICILLIN see **PENICILLIN G, BENZATHINE**

BENZAZEPINES

PHARMACOKINETICS

The pharmacokinetics of benazepril relative to other ACE inhibitors. Gengo FM, et al. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV44–50; discussion IV51–5 (25 ref.)

PHARMACOLOGY

Effect of a bradycardic agent on the isolated blood-perfused canine heart. Schipke JD, et al. **Cardiovasc Drugs Ther** 1991 Apr;5(2):481–8 (40 ref.)

THERAPEUTIC USE

Comparison of benazepril and other antihypertensive agents alone and in combination with the diuretic hydrochlorothiazide. DeQuattro V. **Clin Cardiol** 1991 Aug; 14(8 Suppl 4):IV28–32; discussion IV51–5 (9 ref.)
Dose-response studies with benazepril in mild to moderate hypertension. Gomez HJ. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV22–7; discussion IV51–5 (16 ref.)
Safety profile of benazepril in essential hypertension. MacNab M, et al. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV33–7; discussion IV51–5 (9 ref.)
The use of benazepril in hypertensive patients age 55 and over. Smith WM, et al. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV79–82; discussion IV83–90 (10 ref.)
Use of crossover trials to obtain antihypertensive dose-response curves and to study combination therapy during the development of benazepril. Bellet M, et al. **J Hypertens Suppl** 1990 Sep;8(4):S43–8 (22 ref.)
Medicinal chemistry of 1-benzazepines. Hino K, et al. **Prog Med Chem** 1990;27:123–41 (128 ref.)

BENZENE

[Materials for the substantiation of the biological MAC of benzene] Ulanova IP, et al. **Gig Sanit** 1990 Sep;(9):38–40 (27 ref.) (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Is exposure to benzene a cause of human multiple myeloma? Goldstein BD. **Ann N Y Acad Sci** 1990;609:225–30; discussion 230–4 (29 ref.)

METABOLISM

The metabolism of benzene to muconic acid, a potential biological marker of benzene exposure. Witz G, et al. **Adv Exp Med Biol** 1991;283:613–8 (16 ref.)

TOXICITY

The role of hepatic metabolites of benzene in bone marrow peroxidase-mediated myelo- and genotoxicity. Kalf G, et al. **Adv Exp Med Biol** 1991;283:443–55 (34 ref.)
The toxicity of benzene and its metabolism and molecular pathology in human risk assessment. Yardley-Jones A, et al. **Br J Ind Med** 1991 Jul;48(7):437–44 (61 ref.)

BENZENE HEXACHLORIDE

POISONING

Lindane-induced liver oxidative stress. Videla LA, et al. **Free Radic Biol Med** 1990;9(2):169–79 (105 ref.)
Breath mints for the dragon. Lindane toxicity. Mack RB. **N C Med J** 1991 Feb;52(2):76–8 (17 ref.)

BENZHEXOL see **TRIHEXYPHENIDYL**

BENZHYDRYL COMPOUNDS

PHARMACOKINETICS

Recent advances in H1-receptor antagonist treatment. Simons FE. **J Allergy Clin Immunol** 1990 Dec;86(6 Pt 2):995–9 (13 ref.)

PHARMACOLOGY

The second-generation antihistamines. What makes them different? Ryhal BT, et al. **Postgrad Med** 1991 May 1; 89(6):87–8, 91–4, 99 (22 ref.)

THERAPEUTIC USE

Drugs affecting triglycerides. Capurso A. **Cardiology** 1991; 78(3):218–25 (39 ref.)
Beclobrate:pharmacodynamic properties and therapeutic use in hyperlipidemia. Wanner C, et al. **Eur J Clin Pharmacol** 1991;40 Suppl 1:S85–9 (32 ref.)

BENZIMIDAZOLES

PHARMACOKINETICS

Recent advances in H1-receptor antagonist treatment. Simons FE. **J Allergy Clin Immunol** 1990 Dec;86(6 Pt 2):995–9 (13 ref.)

PHARMACOLOGY

Anthelmintic resistance in nematodes: extent, recent understanding and future directions for control and research. Prichard RK. **Int J Parasitol** 1990 Jul; 20(4):515–23 (90 ref.)
The benzimidazole anthelmintic agents--a review. McKellar QA, et al. **J Vet Pharmacol Ther** 1990 Sep;13(3):223–47 (145 ref.)
The second-generation antihistamines. What makes them different? Ryhal BT, et al. **Postgrad Med** 1991 May 1; 89(6):87–8, 91–4, 99 (22 ref.)

THERAPEUTIC USE

Improvement of liver resectional therapy by adjuvant chemotherapy in alveolar hydatid disease. Swiss Echinococcosis Study Group (SESG). Ammann RW. **Parasitol Res** 1991;77(4):290–3 (20 ref.)

BENZOATES

ANALYSIS

[Use of gas chromatography for determining benzoic and sorbic acid levels in orange beverage and tomato concentrate] Giryn H, et al. **Rocz Panstw Zakl Hig** 1990; 41(5–6):217–22 (14 ref.) (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Photoplex. Lener ME. **Am Pharm** 1991 Jun;NS31(6):39–43 (20 ref.)

BENZOCAINE

ADVERSE EFFECTS

Methemoglobinemia induced by topical anesthetic (benzocaine). Linares LA, et al. **Radiother Oncol** 1990 Jul; 18(3):267–9 (5 ref.)

BENZODIAZEPINE TRANQUILIZERS

Addictive behaviors and benzodiazepines: 2. Are there differences between benzodiazepines in potential for physical dependence and abuse liability? Senay EC. **Adv Alcohol Subst Abuse** 1990;9(3–4):53–64 (38 ref.)

Abuse, addiction, tolerance, and dependence to benzodiazepines in medical and nonmedical populations. Miller NS, et al. **Am J Drug Alcohol Abuse** 1991;17(1):27–37 (50 ref.)

Benzodiazepines: abuse and new use. Warneke LB. **Can J Psychiatry** 1991 Apr;36(3):194–205 (126 ref.)

Relative abuse liability of different benzodiazepines in drug abusers. Griffiths RR, et al. **J Clin Psychopharmacol** 1990 Aug;10(4):237–43 (35 ref.)

Benzodiazepine abuse and dependence: misconceptions and facts [see comments] Farnsworth MG. **J Fam Pract** 1990 Oct;31(4):393–400 (25 ref.) Comment in: J Fam Pract 1991 Feb;32(2):127–8.

The benzodiazepines as drugs of abuse. Cole JO, et al. **J Psychiatr Res** 1990;24 Suppl 2:135–44 (30 ref.)

A practical approach to benzodiazepine discontinuation. DuPont RL. **J Psychiatr Res** 1990;24 Suppl 2:81–90 (26 ref.)

The nosology of abuse and dependence. Kleber HD. **J Psychiatr Res** 1990;24 Suppl 2:57–64 (22 ref.)

Benzodiazepine dependency discontinuation: focus on the chemical dependency detoxification setting and benzodiazepine–polydrug abuse. Smith DE, et al. **J Psychiatr Res** 1990;24 Suppl 2:145–56 (19 ref.)

The use of benzodiazepines in the workplace. Roy-Byrne PP, et al. **J Psychoactive Drugs** 1990 Oct–Dec;22(4):461–5 (26 ref.)

Detoxification from benzodiazepines: schedules and strategies. Alexander B, et al. **J Subst Abuse Treat** 1991; 8(1–2):9–17 (75 ref.)

Pharmacologic aspects of benzodiazepine tolerance and dependence. Busto U, et al. **J Subst Abuse Treat** 1991; 8(1–2):29–33 (50 ref.)

Benzodiazepines and the elderly. A review of potential problems. Closser MH. **J Subst Abuse Treat** 1991; 8(1–2):35–41 (50 ref.)

Benzodiazepines: a major problem. Introduction. Miller NS, et al. **J Subst Abuse Treat** 1991;8(1–2):3–7 (39 ref.)

Addiction to and dependence on benzodiazepines. Diagnostic confusion in clinical practice and research studies. Miller NS, et al. **J Subst Abuse Treat** 1991;8(1–2):61–7 (60 ref.)

ADMINISTRATION & DOSAGE

Chronic benzodiazepine administration: effects in vivo and in vitro. Miller LG, et al. **Adv Biochem Psychopharmacol** 1990;46:167–75 (51 ref.)

[Rectal administration of drugs. Fundamentals and applications in anesthesia] Jantzen JP, et al. **Anaesthesist** 1991 May;40(5):251–61 (103 ref.) (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

A review of the safety profiles of benzodiazepine hypnotics. Roth T, et al. **J Clin Psychiatry** 1991 Sep;52 Suppl:38–41 (23 ref.)

Short-acting versus long-acting benzodiazepines: discontinuation effects in panic disorders. Burrows GD, et al. **J Psychiatr Res** 1990;24 Suppl 2:65–72 (22 ref.)

Benzodiazepine discontinuation syndromes. Greenblatt DJ, et al. **J Psychiatr Res** 1990;24 Suppl 2:73–9 (36 ref.)

Benzodiazepines and alcohol. Linnoila MI. **J Psychiatr Res** 1990;24 Suppl 2:121–7 (7 ref.)

Pharmacological mechanisms of benzodiazepine withdrawal. Nutt DJ. **J Psychiatr Res** 1990;24 Suppl 2:105–10 (30 ref.)

Protracted withdrawal syndromes from benzodiazepines. Ashton H. **J Subst Abuse Treat** 1991;8(1–2):19–28 (50 ref.)

The benzodiazepines: anxiolytic and withdrawal effects. Little HJ. **Neuropeptides** 1991 Jul;19 Suppl:11–4 (18 ref.)

Benzodiazepine dependence, withdrawal severity, and clinical outcome: effects of personality. Rickels K, et al. **Psychopharmacol Bull** 1988;24(3):415–20 (15 ref.)

[Abuse potential of benzodiazepines. Sensible use means continuous follow-up] Bergman U, et al. **Lakartidningen** 1990 Dec 19;87(51–52):4401–3 (20 ref.) **(Swe)**

ANTAGONISTS & INHIBITORS

[Dormicum, aneksat and their use in obstetrical and gynecological operations] Traĭkova V, et al. **Akush Ginekol (Sofiia)** 1990;29(5):61–4 (37 ref.) **(Bul)**

CHEMICAL SYNTHESIS

Polycyclic diazepine and triazepine derivatives of pharmacological interest. Stefancich G, et al. **Farmaco** 1991 Jan;46(1 Suppl):297–306 (35 ref.)

CHEMISTRY

Chromatography of benzodiazepines. Sioufi A, et al. **J Chromatogr** 1990 Oct 12;531:459–80 (112 ref.)

METABOLISM

The differences in the pharmacological profiles of various benzodiazepine recognition site ligands may be associated with GABAA receptor structural diversity. Guidotti A, et al. **Adv Biochem Psychopharmacol** 1990;46:73–87 (28 ref.)

Relative affinity of quazepam for type-1 benzodiazepine receptors in brain. Wamsley JK, et al. **J Clin Psychiatry** 1991 Sep;52 Suppl:15–20 (67 ref.)

Molecular models for recognition and activation at the benzodiazepine receptor: a review. Villar HO, et al. **Life Sci** 1991;48(7):593–602 (48 ref.)

PHARMACOLOGY

Neuroendocrine effects of benzodiazepines. De Souza EB. **J Psychiatr Res** 1990;24 Suppl 2:111–9 (50 ref.)

Peripheral-type benzodiazepine receptors: a second site of action for benzodiazepines. Krueger KE. **Neuropsychopharmacology** 1991 Jun;4(4):237–44 (57 ref.)

[Mechanism of action of benzodiazepines] Kubová H, et al. **Cesk Fysiol** 1990;39(6):487–98 (75 ref.) **(Cze)**

THERAPEUTIC USE

A guide to benzodiazepine selection. Part I: Pharmacological aspects. Teboul E, et al. **Can J Psychiatry** 1990 Nov; 35(8):700–10 (76 ref.)

A guide to benzodiazepine selection. Part II: Clinical aspects. Teboul E, et al. **Can J Psychiatry** 1991 Feb;36(1):62–73 (166 ref.)

Treatment of delirium in the critically ill patient. Fish DN. **Clin Pharm** 1991 Jun;10(6):456–66 (119 ref.)

Criteria for selection of appropriate benzodiazepine hypnotic therapy. Mendels J. **J Clin Psychiatry** 1991 Sep;52 Suppl:42–6 (34 ref.)

Efficacy of benzodiazepines in panic disorder and agoraphobia. Ballenger JC. **J Psychiatr Res** 1990;24 Suppl 2:15–25 (34 ref.)

The GABAA/benzodiazepine receptor: implications for the molecular basis of anxiety. Breier A, et al. **J Psychiatr Res** 1990;24 Suppl 2:91–104 (80 ref.)

Depression and panic anxiety: the effect of depressive co-morbidity on response to drug treatment of patients with panic disorder and agoraphobia. Klerman GL. **J Psychiatr Res** 1990;24 Suppl 2:27–41 (60 ref.)

Do benzodiazepines have a role in the prevention or treatment of coronary heart disease and other major medical disorders? Williams RB Jr. **J Psychiatr Res** 1990; 24 Suppl 2:51–6 (15 ref.)

Benzodiazepine augmentation of the treatment of disruptive psychotic behavior. Solomon DA, et al. **Prog Drug Res** 1990;35:139–49 (46 ref.)

The use of benzodiazepines in the management of behavioral symptoms in demented patients. Stern RG, et al. **Psychiatr Clin North Am** 1991 Jun;14(2):375–84 (17 ref.)

Drug treatment of panic disorder—a critical review of controlled clinical trials. Balestrieri M, et al. **Psychiatr Dev** 1989 Winter;7(4):337–50 (50 ref.)

Benzodiazepines (BZ) for the management of psychosis. Easton MS, et al. **Psychiatr Med** 1991;9(1):25–36 (48 ref.)

Benzodiazepines, putative anxiolytics and animal models of anxiety. Green S. **Trends Neurosci** 1991 Mar;14(3):101–4 (42 ref.)

[Benzodiazepines: dependence, toxicity, abuse] Fisch HU. **Schweiz Rundsch Med Prax** 1991 Jul 2;80(27–28):750–2 (2 ref.) (Eng. Abstr.) **(Ger)**

TOXICITY

Neurobehavioral changes produced by developmental exposure to benzodiazepines. De Salvia MA, et al. **Dev Pharmacol Ther** 1990;15(3–4):173–7 (28 ref.)

BENZODIAZEPINES

[Show respect for judgement about benzodiazepines] Ottosson JO. **Lakartidningen** 1991 Jul 10;88(28–29):2438–40 (34 ref.) **(Swe)**

ADMINISTRATION & DOSAGE

Chronic benzodiazepine administration: from the patient to the gene. Miller LG. **J Clin Pharmacol** 1991 Jun;31(6):492–5 (20 ref.)

Thinking about stopping treatment for panic disorder. DuPont RL. **J Clin Psychiatry** 1990 Dec;51 Suppl A:38–45 (45 ref.)

ADVERSE EFFECTS

Problems and pitfalls in the use of benzodiazepines in the elderly. Kruse WH. **Drug Saf** 1990 Sep–Oct;5(5):328–44 (205 ref.)

ANTAGONISTS & INHIBITORS

Flumazenil: a benzodiazepine antagonist. Karavokiros KA, et al. **DICP** 1990 Oct;24(10):976–81 (71 ref.)

Recovery from anesthesia. Benzodiazepine antagonists. Geller E, et al. **Int Anesthesiol Clin** 1991 Spring;29(2):69–81 (59 ref.)

CHEMICAL SYNTHESIS

Polycyclic diazepine and triazepine derivatives of pharmacological interest. Stefancich G, et al. **Farmaco** 1991 Jan;46(1 Suppl):297–306 (35 ref.)

METABOLISM

Relative affinity of quazepam for type-1 benzodiazepine receptors in brain. Wamsley JK, et al. **J Clin Psychiatry** 1991 Sep;52 Suppl:15–20 (67 ref.)

Occurrence of "natural" benzodiazepines [published erratum appears in Life Sci 1991;48(23):2289] Klotz U. **Life Sci** 1991;48(3):209–15 (29 ref.)

PHARMACOKINETICS

Determinants of pharmacologic effects and toxicity of benzodiazepine hypnotics: role of lipophilicity and plasma elimination rates. Arnold J. **J Clin Psychiatry** 1991 Sep;52 Suppl:11–4 (26 ref.)

Benzodiazepine hypnotics: sorting the pharmacokinetic facts. Greenblatt DJ. **J Clin Psychiatry** 1991 Sep;52 Suppl:4–10 (43 ref.)

Quazepam and flurazepam: differential pharmacokinetic and pharmacodynamic characteristics. Hilbert JM, et al. **J Clin Psychiatry** 1991 Sep;52 Suppl:21–6 (34 ref.)

PHARMACOLOGY

Disinhibitory reactions to benzodiazepines: a review. van der Bijl P, et al. **J Oral Maxillofac Surg** 1991 May;49(5):519–23 (54 ref.)

Antidepressant–anxiolytic interactions: involvement of the benzodiazepine–GABA and serotonin systems. Suranyi-Cadotte BE, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(5):633–54 (132 ref.)

Function and pharmacology of multiple GABAA receptor subunits. Lüddens H, et al. **Trends Pharmacol Sci** 1991 Feb; 12(2):49–51 (28 ref.)

[Benzodiazepines as cytochrome P-450 and cytochrome b5 inductors in rat liver microsomes] Pachecka J, et al. **Folia Med Cracov** 1990;31(3):209–15 (13 ref.) (Eng. Abstr.) **(Pol)**

[Structure and effects of benzodiazepines on hepatic microsomal monooxygenases in rats exposed to environmental temperature] Pachecka J, et al. **Folia Med Cracov** 1990;31(3):217–24 (8 ref.) (Eng. Abstr.) **(Pol)**

POISONING

Benzodiazepine poisoning. Clinical and pharmacological considerations and treatment. Gaudreault P, et al. **Drug Saf** 1991 Jul–Aug;6(4):247–65 (299 ref.)

Risks and benefits of therapy with flumazenil (Anexate) in mixed drug intoxications. Geller E, et al. **Eur Neurol** 1991; 31(4):241–50 (15 ref.)

[Acute poisoning caused by benzodiazepines and its treatment] Cabrera Forneiro J, et al. **Rev Med Univ Navarra** 1989 Jul–Sep;33(3):149–54 (42 ref.) (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Benzodiazepines in the treatment of schizophrenia: a review and reappraisal. Wolkowitz OM, et al. **Am J Psychiatry** 1991 Jun;148(6):714–26 (103 ref.)

Guidelines for prescribing psychoactive drugs in the elderly: Part 1. Maletta G, et al. **Geriatrics** 1991 Sep;46(9):40–7 (33 ref.)

Panic disorder: a treatment update. Burrows GD, et al. **J Clin Psychiatry** 1991 Jul;52 Suppl:24–6 (18 ref.)

Continuation treatment of panic disorder with high-potency benzodiazepines. Davidson JR. **J Clin Psychiatry** 1990 Dec; 51 Suppl A:31–7 (26 ref.)

Pharmacologic management of aggression in the elderly. Yudofsky SC, et al. **J Clin Psychiatry** 1990 Oct;51 Suppl:22–8; discussion 29–32 (44 ref.)

Strategic use of benzodiazepines in cancer patients. Greenberg DB. **Oncology (Williston Park)** 1991 Apr; 5(4):83–8; discussion 88, 90, 95 (47 ref.)

Clinical significance of the benzodiazepine–theophylline interaction. Bonfiglio MF, et al. **Pharmacotherapy** 1991; 11(1):85–7 (30 ref.)

BENZOFLAVONES

PHARMACOLOGY

Mutagenicity, carcinogenicity and toxicity of beta-naphthoflavone, a potent inducer of P448. McKillop

D, et al. **Biochem Pharmacol** 1991 Jan 1;41(1):1–7 (73 ref.)
[Benzo(a)pyrene metabolism in human fibroblasts—effect of 7,8–benzoflavone] Mikstacka R, et al. **Folia Med Cracov** 1990;31(3):131–7 (14 ref.) (Eng. Abstr.) **(Pol)**
[Effects of age and selected inductors of aromatic hydrocarbon hydroxylase (AHH) activity in the rat liver] Plewka A, et al. **Folia Med Cracov** 1990;31(3):147–56 (23 ref.) (Eng. Abstr.) **(Pol)**

BENZOFURANS

Some laboratory experimental designs for obtaining dynamic property data on dioxins. Altwicker ER.
Sci Total Environ 1991 May 1;104(1–2):47–72 (57 ref.)

ANALYSIS

Environmentally stable chlorinated contaminants from the pulp and paper industry. Rappe C. **IARC Sci Publ** 1990; (104):341–53 (17 ref.)
Determination of dioxins and furans in foods and biological tissues: review and update. Firestone D.
J Assoc Off Anal Chem 1991 Mar–Apr;74(2):375–84 (109 ref.)
[Polychlorinated dibenzodioxins and dibenzofurans in water, sediment and soil. A general overview of the pollution status] Christmann W.
Schriftenr Ver Wasser Boden Lufthyg 1990;82:71–82 (9 ref.) **(Ger)**

CHEMISTRY

Atmospheric lifetimes of dibenzo–p–dioxins and dibenzofurans. Atkinson R. **Sci Total Environ** 1991 May 1;104(1–2):17–33 (71 ref.)

BENZOL see **BENZENE**

BENZO(A)PYRENE

METABOLISM

[Effect of monoclonal antibody against methylcholanthrene–induced cytochrome P–450 forms on benzo(a)pyrene metabolism in hepatic microsomes of C57BL/10 mice] Brauze D, et al. **Folia Med Cracov** 1990; 31(3):139–46 (11 ref.) (Eng. Abstr.) **(Pol)**
[Benzo(a)pyrene metabolism in human fibroblasts—effect of 7,8–benzoflavone] Mikstacka R, et al. **Folia Med Cracov** 1990;31(3):131–7 (14 ref.) (Eng. Abstr.) **(Pol)**

PHARMACOKINETICS

Action by the lungs on circulating xenobiotic agents, with a case study of physiologically based pharmacokinetic modeling of benzo(a)pyrene disposition. Roth RA, et al. **Pharmacol Ther** 1990;48(2):143–55 (85 ref.)

TOXICITY

Risk assessment for benzo[a]pyrene. Collins JF, et al.
Regul Toxicol Pharmacol 1991 Apr;13(2):170–84 (50 ref.)

3,4–BENZOPYRENE see **BENZO(A)PYRENE**

1,2–BENZOPYRONES see **COUMARINS**

1,4–BENZOPYRONES see **CHROMONES**

BENZOTHIADIAZINE DIURETICS see **DIURETICS, THIAZIDE**

BENZOXAZOLES

CHEMISTRY

Fluorogenic reagents, having benzofurazan structure, in liquid chromatography. Imai K, et al.
J Pharm Biomed Anal 1989;7(12):1395–403 (47 ref.)

BENZYL ALCOHOLS

CHEMICAL SYNTHESIS

Synthesis, properties and prodrug potential of 2–methyl–2–oxy– and 2–methyl–2–thio–4H–1,3–benzodioxin–4–ones. Ankersen M, et al. **Acta Chem Scand** 1989 Mar;43(3):213–21 (34 ref.)

BEPRIDIL

PHARMACOLOGY

Bepridil: a pharmacological reappraisal of its potential beneficial effects in angina and tissue protection following ischemia. Massingham R, et al. **Cardiovasc Drugs Ther** 1989 Oct;3(5):731–42 (78 ref.)

BEREAVEMENT

Perinatal grief and mourning. Menke JA, et al.
Adv Pediatr 1990;37:261–83 (37 ref.)
Perinatal bereavement. Wathen NC.
Br J Obstet Gynaecol 1990 Sep;97(9):759–61 (10 ref.)
Anger: the hidden part of grief. Cerney MS, et al.
Bull Menninger Clin 1991 Spring;55(2):228–37 (17 ref.)
Palliative care in the young. Hill F. **Practitioner** 1990 Mar 22;234(1485):292–6 (1 ref.)

BERGER'S DISEASE see **GLOMERULONEPHRITIS, IGA**

BERNARD–SOULIER SYNDROME

COMPLICATIONS

Bernard–Soulier syndrome in pregnancy; a report of four pregnancies in one patient, and review of the literature. Saade G, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 Jul 1;40(2):149–52 (7 ref.)

BERNARD'S SYNDROME see **HORNER'S SYNDROME**

BERRIES see **FRUIT**

BERRY ANEURYSM see **CEREBRAL ANEURYSM**

BERTIELLIASIS see **CESTODE INFECTIONS**

BERYLLIOSIS

IMMUNOLOGY

Immune mechanisms in beryllium lung disease. Deodhar SD, et al. **Cleve Clin J Med** 1991 Mar–Apr;58(2):157–60 (22 ref.)

BERYLLIUM

TOXICITY

Immune mechanisms in beryllium lung disease. Deodhar SD, et al. **Cleve Clin J Med** 1991 Mar–Apr;58(2):157–60 (22 ref.)

BERYLLIUM DISEASE see **BERYLLIOSIS**

BESNIER–BOECK DISEASE see **SARCOIDOSIS**

BESNOITIA see **SPOROZOA**

BESNOITIASIS see **PROTOZOAN INFECTIONS**

BETA–N–ACETYLHEXOSAMINIDASE

DEFICIENCY

Molecular genetics of beta–hexosaminidase deficiencies. Neote K, et al. **Adv Neurol** 1991;56:189–207 (103 ref.)

GENETICS

The biochemistry of HEXA and HEXB gene mutations causing GM2 gangliosidosis. Mahuran DJ.
Biochim Biophys Acta 1991 Feb 22;1096(2):87–94 (81 ref.)

BETA ADRENERGIC BLOCKING AGENTS see **ADRENERGIC BETA RECEPTOR BLOCKADERS**

BETA ADRENERGIC RECEPTOR AGONISTS see **ADRENERGIC BETA RECEPTOR AGONISTS**

BETA ADRENERGIC RECEPTOR BLOCKADERS see **ADRENERGIC BETA RECEPTOR BLOCKADERS**

BETA ADRENERGIC RECEPTORS see **RECEPTORS, ADRENERGIC, BETA**

BETA–ALANINE KETOGLUTARATE AMINOTRANSFERASE see **AMINOBUTYRATE AMINOTRANSFERASE**

BETA–AMYLOID PROTEIN see **AMYLOID BETA–PROTEIN**

BETA,BETA–DIMETHYLCYSTEINE see **PENICILLAMINE**

BETA BLOCKERS, ADRENERGIC see **ADRENERGIC BETA RECEPTOR BLOCKADERS**

BETA CELL, ARTIFICIAL see **INSULIN INFUSION SYSTEMS**

BETA CELL TUMOR see **INSULINOMA**

BETA–ENDORPHIN

ANALYSIS

[Interaction between beta–endorphin, steroids and peptide hormones in fibrocystic lesions of the female breast] Schurz B. **Wien Klin Wochenschr Suppl** 1991;187:3–26 (163 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Endocrine control of hypothalamic and pituitary met–enkephalin and beta–endorphin contents. Tang F.
Neuroendocrinology 1991;53 Suppl 1:68–76 (46 ref.)
[Opioid peptides and obesity] Daubresse C.
Rev Med Liege 1990 Aug;45(8):375–80 (25 ref.) **(Fre)**

PHYSIOLOGY

Current concepts of beta–endorphin physiology in female reproductive dysfunction. Seifer DB, et al. **Fertil Steril** 1990 Nov;54(5):757–71 (178 ref.)
Beta–endorphin: cytokine and neuropeptide. Heijnen CJ, et al. **Immunol Rev** 1991 Feb;119:41–63 (76 ref.)
[The role of beta–endorphin in the pathogenesis of essential arterial hypertension and obesity] Słowińska–Srzednicka J. **Acta Physiol Pol** 1989;40 Suppl 34:98–114 (54 ref.) **(Pol)**

17 BETA–ESTRADIOL see **ESTRADIOL**

BETA–GALACTOSIDASES

DEFICIENCY

[Galactosialidosis—clinical feature] Miyashita K, et al.
No To Shinkei 1991 Mar;43(3):205–14 (68 ref.) **(Jpn)**
[Ocular findings in galactosialidosis] Usui T.
No To Shinkei 1991 Mar;43(3):231–7 (40 ref.) **(Jpn)**

GENETICS

Expression of lactase during development [editorial] Kretchmer N. **Am J Hum Genet** 1989 Oct;45(4):487–8 (17 ref.)

METABOLISM

[Lactose intolerance. II. Current biological viewpoints] van 't Hoff BW, et al. **Ned Tijdschr Geneeskd** 1991 Apr 27; 135(17):746–9 (30 ref.) **(Dut)**

BETA–GLOBIN see **GLOBIN**

BETA–GLUCOSIDASES

Cytochemical localization of beta–(1——4)–D–glucans in plant and fungal cells using an exoglucanase–gold complex. Benhamou N. **Electron Microsc Rev** 1989;2(1):123–38 (78 ref.)

GENETICS

Acid beta–glucosidase: enzymology and molecular biology of Gaucher disease. Grabowski GA, et al.
Crit Rev Biochem Mol Biol 1990;25(6):385–414 (192 ref.)

METABOLISM

Microbial beta–glucanases different from cellulases. Bielecki S, et al. **Crit Rev Biotechnol** 1991;10(4):275–304 (224 ref.)

BETA–HEPARIN see **DERMATAN SULFATE**

BETA–HEXOSAMINIDASE see **BETA–N–ACETYLHEXOSAMINIDASE**

BETA–HYPOPHAMINE see **VASOPRESSINS**

BETA–LACTAM ANTIBIOTICS see **ANTIBIOTICS, LACTAM**

BETA–LACTAMASE I see **PENICILLINASE**

BETA–LACTAMASES

Screening and separation of beta–lactam antibiotics using protein–engineered enzymes. Wang HY, et al.
Ann N Y Acad Sci 1990;613:376–84 (20 ref.)

ANTAGONISTS & INHIBITORS

Evolution of beta–lactamase inhibitors. Rolinson GN.
Surg Gynecol Obstet 1991;172 Suppl:11–6 (33 ref.)
Beta–lactamase inhibitors and reversal of antibiotic resistance. Sutherland R. **Trends Pharmacol Sci** 1991 Jun;12(6):227–32 (36 ref.)

BIOSYNTHESIS

Effects of beta–lactamase–mediated antimicrobial resistance: the role of beta–lactamase inhibitors. Maddux MS.
Pharmacotherapy 1991;11(2 (Pt 2)):40S–50S (61 ref.)

CLASSIFICATION

Overcoming enzymatic resistance in bacteria: impact on future therapy. Labia R, et al. **J Int Med Res** 1990;18 Suppl 4:48D–57D (57 ref.)

GENETICS

Evolution of enzymatic mechanisms of resistance among beta–lactam antibiotics. Gutmann L, et al.
J Int Med Res 1990;18 Suppl 4:37D–47D (33 ref.)
Beta–lactamase as a probe of membrane protein assembly and protein export. Broome–Smith JK, et al.
Mol Microbiol 1990 Oct;4(10):1637–44 (29 ref.)
Molecular evolution of ubiquitous beta–lactamases towards extended–spectrum enzymes active against newer beta–lactam antibiotics. Collatz E, et al. **Mol Microbiol** 1990 Oct;4(10):1615–20 (35 ref.)

METABOLISM

The relationship between the structures of four beta-lactamases obtained from Bacillus cereus. Cid H, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):101-7 (22 ref.)

PHARMACOLOGY

[Bacterial resistance against beta-lactam antibiotics] Andersen BM. **Tidsskr Nor Laegeforen** 1990 Oct 20; 110(25):3233-9 (52 ref.) (Eng. Abstr.) **(Nor)**

BETA LIPOPROTEINS see **LIPOPROTEINS, LDL**

BETA-LIPOTROPIN C FRAGMENT see **BETA-ENDORPHIN**

BETA 2-MICROGLOBULIN

[Beta 2-microglobulin: structure, function, metabolism and changes in diseases] Vincent C. **Ann Dermatol Venereol** 1990;117(9):661-8 (33 ref.) **(Fre)**

ANALYSIS

Pathological fractures and lytic bone lesion of the femoral neck associated with beta 2-microglobulin amyloid deposition in long-term dialysis patients. Scheumann GF, et al. **Arch Orthop Trauma Surg** 1991;110(2):93-7 (24 ref.)

Neopterin and beta 2-microglobulin as prognostic indices in human immunodeficiency virus type 1 infection. Fuchs D, et al. **Infection** 1991;19 Suppl 2:S98-102 (32 ref.)

CEREBROSPINAL FLUID

Beta-2-microglobulin levels in the cerebrospinal fluid: their value as a disease marker. A review of the recent literature. Adachi N. **Eur Neurol** 1991;31(4):181-5 (32 ref.)

METABOLISM

Membrane transfer, membrane adsorption and possible membrane-induced generation of beta-2-microglobulin. Drüeke T, et al. **Contrib Nephrol** 1989;74:113-9 (36 ref.)

Beta-2-microglobulin and dialysis-related amyloidosis. Recent developments. Floege J, et al. **Contrib Nephrol** 1989; 74:120-6 (30 ref.)

Dialysis arthropathy, amyloidosis and beta-2 microglobulin. Cameron JS. **Pediatr Nephrol** 1987 Apr;1(2):224-9 (75 ref.)

Alterations of cellular proteins in human cytomegalovirus infection: potential for disease pathogenesis. Grundy JE. **Transplant Proc** 1991 Jun;23(3 Suppl 3):38-41; discussion 41-2 (21 ref.)

PHARMACOKINETICS

Kinetics of beta-2-microglobulin in hemodialysis. Gotch F, et al. **Contrib Nephrol** 1989;74:132-8 (15 ref.)

PHYSIOLOGY

Role of beta 2-microglobulin in cytomegalovirus infection. Grundy JE. **Scand J Rheumatol Suppl** 1990;87:98-101; discussion 101 (16 ref.)

URINE

[Urinary excretion of N-acetyl-beta-D-glucosaminidase and microglobulin 2 in type I diabetes mellitus] Sitjar de Togores Alvarez M, et al. **An Esp Pediatr** 1991 Mar; 34(3):225-9 (36 ref.) (Eng. Abstr.) **(Spa)**

BETA-THALASSEMIA see **THALASSEMIA**

BETA-THIONASE see **CYSTATHIONINE BETA-SYNTHASE**

BETA-THROMBOGLOBULIN

ANALYSIS

[Plasma and urine beta-thromboglobulin determination in the detection of thrombocyte hyperactivation in diabetic nephropathies] Tóth L, et al. **Orv Hetil** 1991 May 26; 132(21):1135-8, 1141 (47 ref.) (Eng. Abstr.) **(Hun)**

BETÅ TRANSDUCIN see **TRANSDUCIN**

BETADEXAMETHASONE see **BETAMETHASONE**

BETAHISTINE

THERAPEUTIC USE

Histamine in the treatment of vertigo. Fischer AJ. **Acta Otolaryngol Suppl (Stockh)** 1991;479:24-8 (41 ref.)

BETAINE

METABOLISM

Formation and breakdown of glycine betaine and trimethylamine in hypersaline environments. Oren A. **Antonie Van Leeuwenhoek** 1990 Nov;58(4):291-8 (51 ref.)

[Osmoregulation in cyanobacteria] Takabe T. **Tanpakushitsu Kakusan Koso** 1991 Jul;36(9):1616-20 (20 ref.) **(Jpn)**

BETAMETHASONE

ADVERSE EFFECTS

Betamethasone-induced resistance to vecuronium: a potential problem in neurosurgery? Parr SM, et al. **Anaesth Intensive Care** 1991 Feb;19(1):103-5 (16 ref.)

BETATRONS see **PARTICLE ACCELERATORS**

BETHANECHOL COMPOUNDS

THERAPEUTIC USE

Gastric emptying in gastroesophageal reflux and the therapeutic role of prokinetic agents. McCallum RW. **Gastroenterol Clin North Am** 1990 Sep;19(3):551-64 (57 ref.)

BEVERAGES

The influence of volume on gastric emptying and fluid balance during prolonged exercise. Mitchell JB, et al. **Med Sci Sports Exerc** 1991 Mar;23(3):314-9 (36 ref.)

The importance of volume in regulating gastric emptying. Noakes TD, et al. **Med Sci Sports Exerc** 1991 Mar; 23(3):307-13 (36 ref.)

ADVERSE EFFECTS

Consumption of methylxanthine-containing beverages and the risk of breast cancer. Lubin F, et al. **Cancer Lett** 1990 Sep;53(2-3):81-90 (54 ref.)

[The truth about juice, all the juice and nothing but the juice] Touyz LZ. **J Can Dent Assoc** 1991 Jan;57(1):49-51 (35 ref.) **(Fre)**

ANALYSIS

[Use of gas chromatography for determining benzoic and sorbic acid levels in orange beverage and tomato concentrate] Giryn H, et al. **Rocz Panstw Zakl Hig** 1990; 41(5-6):217-22 (14 ref.) (Eng. Abstr.) **(Pol)**

BEZAFIBRATE

PHARMACOLOGY

Effects of bezafibrate on hepatic cholesterol metabolism. Ståhlberg D, et al. **Eur J Clin Pharmacol** 1991;40 Suppl 1:S33-6 (22 ref.)

BEZOARS

COMPLICATIONS

Small bowel obstruction with multiple perforations due to enterolith (bezoar) formed without gastrointestinal pathology. Salim AS. **Postgrad Med J** 1990 Oct; 66(780):872-3 (12 ref.)

BHANG see **CANNABIS**

BIAS, AGGREGATION see **BIAS (EPIDEMIOLOGY)**

BIAS, ECOLOGICAL see **BIAS (EPIDEMIOLOGY)**

BIAS (EPIDEMIOLOGY)

Bias in double-blind trials. Gøtzsche PC. **Dan Med Bull** 1990 Aug;37(4):329-36 (131 ref.)

Assessing, accommodating, and interpreting the influences of heterogeneity. Louis TA. **Environ Health Perspect** 1991 Jan;90:215-22 (55 ref.)

Bias in case-control studies. A review. Kopec JA, et al. **J Epidemiol Community Health** 1990 Sep;44(3):179-86 (63 ref.)

[Validity and serves of bias: planning and interpretation of studies by the clinical epidemiologist] Linn S. **Harefuah** 1989 Sep;117(5-6):157-60 (4 ref.) **(Heb)**

[Confounding bias. Interaction] Gili M, et al. **Enferm Infecc Microbiol Clin** 1990 Dec;8(10):647-53 (18 ref.) **(Spa)**

[Information bias] Gili M, et al. **Enferm Infecc Microbiol Clin** 1990 Apr;8(4):242-6 (13 ref.) **(Spa)**

[Selection bias] Gili M, et al. **Enferm Infecc Microbiol Clin** 1990 Mar;8(3):176-81 (10 ref.) **(Spa)**

BIAS, OBSERVER see **OBSERVER VARIATION**

BIAS, STATISTICAL see **BIAS (EPIDEMIOLOGY)**

BIAS, SYSTEMATIC see **BIAS (EPIDEMIOLOGY)**

BIBLIOGRAPHY

see related DOCUMENTATION

BIBLIOGRAPHY, STATISTICAL see **BIBLIOMETRICS**

BIBLIOMETRICS

[Use of various bibliometric methods in operative evaluation of research activities of the research institutions of medico-biological profile] Karas' GA, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):61-5 (13 ref.) (Eng. Abstr.) **(Rus)**

BIBLIOTHERAPY

[Bibliotherapy--texts as and aide to self-help. Historical--literature review--practical application] Grob P. **Schweiz Rundsch Med Prax** 1991 Jun 25;80(26):714-8 (43 ref.) (Eng. Abstr.) **(Ger)**

BICARBONATES

Chronic haemodialysis with bicarbonate dialysate. Technical and clinical aspects. Leunissen KM, et al. **Blood Purif** 1990; 8(6):347-58 (60 ref.)

ADMINISTRATION & DOSAGE

Sodium bicarbonate ingestion and exercise performance. An update. Linderman J, et al. **Sports Med** 1991 Feb;11(2):71-7 (30 ref.)

[Current perspectives in the diagnosis and treatment of acidosis in resuscitation] Koster RW, et al. **Ned Tijdschr Geneeskd** 1990 Nov 10;134(45):2175-8 (20 ref.) **(Dut)**

METABOLISM

Basolateral membrane H/HCO3 transport in renal tubules [editorial] Preisig PA, et al. **Kidney Int** 1991 Jun; 39(6):1077-86 (109 ref.)

Chronic adaptations in proximal tubular H/HCO3 transporters. Alpern RJ, et al. **Kidney Int Suppl** 1991 Jul; 33:S29-32 (39 ref.)

Cortical collecting duct bicarbonate secretion. Schuster VL. **Kidney Int Suppl** 1991 Jul;33:S47-50 (30 ref.)

Renal ammonia and bicarbonate production in chronic renal failure. Dass PD, et al. **Miner Electrolyte Metab** 1990; 16(5):308-14 (73 ref.)

Properties of the renal Na(+)-HCO3- cotransporter. Aronson PS, et al. **Semin Nephrol** 1991 Jan;11(1):28-36 (17 ref.)

Acid-base changes during complete brain ischemia. Siesjö BK, et al. **Stroke** 1990 Nov;21(11 Suppl):III194-9 (26 ref.)

[Mucus-bicarbonate barrier] Xu GY. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):47-50 (40 ref.) **(Chi)**

[Central nervous system regulation of gastric acid and duodenal bicarbonate secretion] Lenz HJ. **Z Gastroenterol Verh** 1991 Mar;26:236-40 (62 ref.) **(Ger)**

PHARMACOKINETICS

Reclamation of filtered bicarbonate. DuBose TD Jr. **Kidney Int** 1990 Oct;38(4):584-9 (88 ref.)

Cellular model of proximal tubule NaCl and NaHCO3 absorption. Moe OW, et al. **Kidney Int** 1990 Oct; 38(4):605-11 (90 ref.)

PHARMACOLOGY

Regulation of the intracellular pH in the presence and absence of bicarbonate buffers. Cassel D, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan-Dec;1(1-4):393-8 (37 ref.)

[Gastrin, insulin and glucagon secretion after cimetidine and sodium hydrocarbonate intake in patients with duodenal ulcer] Valenkevich LN, et al. **Klin Med (Mosk)** 1991 Mar; 69(3):91-3 (22 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Indications for use of bicarbonate in patients with metabolic acidosis. Arieff AI. **Br J Anaesth** 1991 Aug;67(2):165-77 (105 ref.)

BICUSPID

ABNORMALITIES

Development of supernumerary premolars in an orthodontic population. Rubenstein LK, et al. **Oral Surg Oral Med Oral Pathol** 1991 Mar;71(3):392-5 (10 ref.)

SURGERY

Vertical changes in high mandibular plane cases following enucleation of second premolars. Garlington M, et al. **Angle Orthod** 1990 Winter;60(4):263-7; discussion 267-8 (13 ref.)

BICUSPID VALVE see **MITRAL VALVE**

BICYCLE ERGOMETRY TEST see **EXERCISE TEST**

BICYCLING

Exercise and arthritis. Adaptive bicycling. Namey TC. **Rheum Dis Clin North Am** 1990 Nov;16(4):871-86 (34 ref.)

Biomechanics of cycling and factors affecting performance.

BICYCLING

Too D. **Sports Med** 1990 Nov;10(5):286–302 (139 ref.)

INJURIES

Triathlon injuries. The swim–bike–run how–to for medical practitioners. Fitzpatrick MJ. **Aust Fam Physician** 1991 Jul; 20(7):953–8 (6 ref.)

Ulnar nerve compression in the cyclist's hand: two case reports and review of the literature. Maimaris C, et al. **Br J Sports Med** 1990 Dec;24(4):245–6 (8 ref.)

Cycling and the older athlete. McLennan JG, et al. **Clin Sports Med** 1991 Apr;10(2):291–9 (14 ref.)

Promoting bicycle helmets: a new focus for injury prevention. Johnson C, et al. **Indiana Med** 1991 Apr; 84(4):264–6 (9 ref.)

Common cycling injuries. Management and prevention. Mellion MB. **Sports Med** 1991 Jan;11(1):52–70 (95 ref.)

BICYCLO COMPOUNDS

CHEMISTRY

Physicochemical and enzyme binding kinetic properties of a new angiotensin–converting enzyme inhibitor ramipril and their clinical implications. Bender N, et al. **Clin Physiol Biochem** 1990;8 Suppl 1:44–52 (27 ref.)

BIFIDOBACTERIUM

PHYSIOLOGY

[Development of intestinal biocenosis in healthy and sick newborn infants] Dzhamali NF, et al. **Pediatriia** 1991; (2):88–92 (59 ref.) **(Rus)**

BIFUNCTIONAL REAGENTS see **CROSS–LINKING REAGENTS**

BIGUANIDES

THERAPEUTIC USE

Biguanides and sulfonylureas as combination therapy in NIDDM. Hermann LS. **Diabetes Care** 1990 Aug;13 Suppl 3:37–41 (26 ref.)

BILAYER FLUIDITY see **MEMBRANE FLUIDITY**

BILAYERS, LIPID see **LIPID BILAYERS**

BILE

Endoscopic management of postoperative biliary leaks: review of 77 cases and report of two cases with biloma formation. Binmoeller KF, et al. **Am J Gastroenterol** 1991 Feb;86(2):227–31 (20 ref.)

[A case of biloma induced by spontaneous rupture of gallbladder] Suda T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jun;88(6):1375–9 (13 ref.) **(Jpn)**

CHEMISTRY

Nucleation and growth of cholesterol crystals. Kinetic determinants in supersaturated native bile. Holzbach RT, et al. **Gastroenterol Clin North Am** 1991 Mar;20(1):67–84 (73 ref.)

Pigment gallstone disease. Trotman BW. **Gastroenterol Clin North Am** 1991 Mar;20(1):111–26 (108 ref.)

Bile sampling, processing and analysis in clinical studies. Strasberg SM, et al. **Hepatology** 1990 Sep;12(3 Pt 2):176S–180S; discussion 180S–182S (44 ref.)

[The physicochemical properties of the bile in biliary tract diseases (a review of the literature)] Kostenko AP. **Vrach Delo** 1990 Nov;(11):89–92 (46 ref.) **(Rus)**

DRUG EFFECTS

Mechanisms and regulation of bile secretion. Nathanson MH, et al. **Hepatology** 1991 Sep;14(3):551–66 (170 ref.)

METABOLISM

Crystal growth–inhibiting proteins in bile. Busch N, et al. **Hepatology** 1990 Sep;12(3 Pt 2):195S–198S; discussion 199S (18 ref.)

Physical chemistry of biliary lipids during bile formation. Cohen DE, et al. **Hepatology** 1990 Sep;12(3 Pt 2):143S–147S; discussion 147S–148S (37 ref.)

Principles of laser light–scattering spectroscopy: applications to the physicochemical study of model and native biles. Cohen DE, et al. **Hepatology** 1990 Sep;12(3 Pt 2):113S–121S; discussion 121S–122S (25 ref.)

Separation and quantitation of cholesterol "carriers" in bile. Donovan JM, et al. **Hepatology** 1990 Sep;12(3 Pt 2):94S–104S; discussion 104S–105S (39 ref.)

Molecular control of vesicle aggregation and membrane fusion: hypotheses on bile vesicles. Düzgüneş N. **Hepatology** 1990 Sep;12(3 Pt 2):67S–72S; discussion 72S–74S (71 ref.)

Chemical species of lipids in bile. Hay DW, et al. **Hepatology** 1990 Sep;12(3 Pt 2):6S–14S; discussion 14S–16S (55 ref.)

Nucleation of cholesterol crystals in native bile. Holzbach RT. **Hepatology** 1990 Sep;12(3 Pt 2):155S–159S; discussion 159S–161S (20 ref.)

Detection of vesicles in native and model biles by morphological and other structural techniques: applications and limitations. Holzbach RT. **Hepatology** 1990 Sep;12(3 Pt 2):106S–112S (30 ref.)

Quasielastic light scattering studies of aqueous biliary lipid systems and native bile. Mazer NA. **Hepatology** 1990 Sep; 12(3 Pt 2):39S–44S (31 ref.)

Biliary calcium and gallstone formation. Moore EW. **Hepatology** 1990 Sep;12(3 Pt 2):206S–214S; discussion 214S–218S (77 ref.)

Structural studies of the lipid components of bile. Shipley GG. **Hepatology** 1990 Sep;12(3 Pt 2):33S–37S; discussion 37S–38S (17 ref.)

Biliary cholesterol transport and precipitation: introduction and overview of conference. Strasberg SM, et al. **Hepatology** 1990 Sep;12(3 Pt 2):1S–5S (38 ref.)

[Current concepts of the pathogenesis of cholelithiasis] Tadzhiev IIa. **Klin Med (Mosk)** 1991 Apr;69(4):110–3 (62 ref.) **(Rus)**

PHYSIOLOGY

Gallbladder function in gallstone disease. Everson GT. **Gastroenterol Clin North Am** 1991 Mar;20(1):85–110 (81 ref.)

Bile acid secretion, bile flow and biliary lipid secretion in humans. Hofmann AF. **Hepatology** 1990 Sep;12(3 Pt 2):17S–22S; discussion 22S–25S (74 ref.)

Biologically active peptides in the gastrointestinal lumen. Rao RK. **Life Sci** 1991;48(18):1685–704 (153 ref.)

SECRETION

Advances in the comprehension of the pathophysiology of bile secretion. Loria P, et al. **Dig Dis** 1991;9(3):142–55 (70 ref.)

Biliary lipid secretion in man. Lanzini A, et al. **Eur J Clin Invest** 1991 Jun;21(3):259–72 (189 ref.)

Fluorescence assays to monitor membrane fusion: potential application in biliary lipid secretion and vesicle interactions. Hoekstra D. **Hepatology** 1990 Sep;12(3 Pt 2):61S–66S (16 ref.)

Secretion of biliary lipids from the hepatocyte. Marzolo MP, et al. **Hepatology** 1990 Sep;12(3 Pt 2):134S–141S; discussion 141S–142S (59 ref.)

Recent concepts in bile formation and cholestasis. Erlinger S. **Recenti Prog Med** 1990 Jun;81(6):387–91 (24 ref.)

Pressure relationships within the human bile tract. Normal and abnormal physiology. Torsoli A, et al. **Scand J Gastroenterol Suppl** 1990;175:52–7 (42 ref.)

[Characterization of lipoprotein catabolism in biliary cholesterol hypersecretion conditions in rats] Paz Marzolo M, et al. **Arch Biol Med Exp (Santiago)** 1989 Dec; 22(4):361–74 (52 ref.) (Eng. Abstr.) **(Spa)**

BILE ACIDS AND SALTS

BIOSYNTHESIS

Regulation of bile acid synthesis. Vlahcevic ZR, et al. **Hepatology** 1991 Mar;13(3):590–600 (109 ref.)

METABOLISM

Role and nature of plasma membrane carrier proteins in the hepatic transport of organic anions. Tiribelli C, et al. **J Gastroenterol Hepatol** 1989 Mar–Apr;4(2):195–205 (77 ref.)

[Chologenic diarrhea. Its etiology, symptoms and diagnosis] Walker S. **Dtsch Med Wochenschr** 1991 Mar 1;116(9):341–5 (30 ref.) **(Ger)**

PHARMACOKINETICS

Role of intracellular organelles in the hepatic transport of bile acids. Erlinger S. **Biomed Pharmacother** 1990; 44(8):409–16 (61 ref.)

PHARMACOLOGY

Dietary fiber and bile acid metabolism. Story JA, et al. **Adv Exp Med Biol** 1990;270:43–8 (18 ref.)

PHYSIOLOGY

Role of bile acids in the control of pancreatic secretion and CCK release. Koop I. **Eur J Clin Invest** 1990 Oct;20 Suppl 1:S51–7 (55 ref.)

SECRETION

Bile acid secretion, bile flow and biliary lipid secretion in humans. Hofmann AF. **Hepatology** 1990 Sep;12(3 Pt 2):17S–22S; discussion 22S–25S (74 ref.)

THERAPEUTIC USE

Review article: bile acid therapy. Lanzini A, et al. **Aliment Pharmacol Ther** 1990 Feb;4(1):1–24 (130 ref.)

Extracorporeal shock–wave lithotripsy of gallstones with the adjuvant use of cholelitholytic bile acids. Albert MB, et al. **Semin Liver Dis** 1990 Aug;10(3):197–204 (57 ref.)

Oral dissolution treatment of gallstones with bile acids. Salen G, et al. **Semin Liver Dis** 1990 Aug;10(3):181–6 (55 ref.)

[Non–surgical therapy of gall stones] Münch R. **Schweiz Rundsch Med Prax** 1991 May 14;80(20):548–55 (66 ref.) (Eng. Abstr.) **(Ger)**

[Bile acids as a means for dissolving cholesterol gallstones (a review of the literature)] Vashchuk FS, et al. **Vrach Delo** 1990 Dec;(12):50–4 (31 ref.) **(Rus)**

BILE DUCT DISEASES

Destructive intrahepatic bile duct diseases. Desmet VJ. **Recenti Prog Med** 1990 Jun;81(6):392–8 (95 ref.)

[Cystic transformation of the bile ducts] Gordeev PS, et al. **Khirurgiia (Mosk)** 1991 Feb;(2):145–8 (48 ref.) **(Rus)**

COMPLICATIONS

Hepatobiliary abnormalities in inflammatory bowel disease. van Erpecum KJ, et al. **Neth J Med** 1989 Jun;35 Suppl 1:S40–9 (66 ref.)

DIAGNOSIS

[Selective cannulation of Vater's ampulla] Ornelas Vázquez R. **Rev Gastroenterol Mex** 1990 Jul–Sep;55(3):153–8 (50 ref.) (Eng. Abstr.) **(Spa)**

[Biliary ascariasis. Experience at the Dr. Manuel Gea González General Hospital] Quintos Aranda C, et al. **Rev Gastroenterol Mex** 1990 Apr–Jun;55(2):61–5 (32 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

[A case of biloma induced by spontaneous rupture of gallbladder] Suda T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jun;88(6):1375–9 (13 ref.) **(Jpn)**

SURGERY

Metallic endoprostheses: boon or bust? [comment] Mueller PR. **Radiology** 1991 Jun;179(3):603–5 (23 ref.) Comment on: Radiology 1991 Jun;179(3):703–7.

[Reinterventions in bilio–digestive anastomosis] Morino F, et al. **G Chir** 1988 Sep;9(9):614–21 (0 ref.) **(Ita)**

THERAPY

[Percutaneous diagnosis and therapy of the bile ducts and gallbladder. Feasibility and status] Hauenstein KH, et al. **Radiologe** 1991 Mar;31(3):132–40 (33 ref.) (Eng. Abstr.) **(Ger)**

[Percutaneous transhepatic bilioplasty: long–term results] Righi D, et al. **Radiol Med (Torino)** 1990 Oct;80(4):492–500 (20 ref.) (Eng. Abstr.) **(Ita)**

BILE DUCT NEOPLASMS

Cholangiocarcinoma. Yeo CJ, et al. **Surg Clin North Am** 1990 Dec;70(6):1429–47 (84 ref.)

COMPLICATIONS

Cholangiocarcinoma complicating primary sclerosing cholangitis. Rosen CB, et al. **Semin Liver Dis** 1991 Feb; 11(1):26–30 (30 ref.)

Interventional radiology in malignant biliary obstruction. Hamlin JA, et al. **Semin Oncol** 1991 Apr;18(2):123–30 (36 ref.)

[Congenital dilatation of the biliary tract accompanied with an early cholangiocarcinoma in the aged] Okayama N, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jan;88(1):105–10 (12 ref.) **(Jpn)**

DIAGNOSIS

Identification and localisation of resectable tumours in the liver. Okuda K. **Trop Gastroenterol** 1990 Jul–Sep; 11(3):119–29 (32 ref.)

[Primary sclerosing cholangitis mimicking bile duct carcinoma at porta hepatis. A case report and review of Japanese literature with special reference to the feature of associated jaundice] Kaneda K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Jul;87(7):1568–72 (17 ref.) **(Jpn)**

[A case of minute cholangiocellular carcinoma which was found in the follow–up periods of liver cirrhosis and was indistinguishable from hepatocellular carcinoma on hepatic angiography] Nagaoka T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jun;88(6):1369–74 (14 ref.) **(Jpn)**

EPIDEMIOLOGY

Case report: cystic duct carcinoma. Galler L, et al. **N J Med** 1991 May;88(5):337–9 (25 ref.)

ETIOLOGY

The association of oral contraception with kidney cancer, colon cancer, gallbladder cancer (including extrahepatic bile duct cancer) and pituitary tumours. Milne R, et al. **Contraception** 1991 Jun;43(6):667–93 (73 ref.)

[Primary sclerosing cholangitis] Guyader D, et al. **Gastroenterol Clin Biol** 1990;14(11):850–60 (89 ref.) **(Fre)**

PATHOLOGY

Multiple carcinomata associated with anomalous arrangement of the biliary and pancreatic duct system. A report of two

cases with a literature survey. Morohoshi T, et al. **Acta Pathol Jpn** 1990 Oct;40(10):755–63 (31 ref.)
Granular cell neoplasm of the extrahepatic biliary tree: morphological, ultrastructural, and immunohistochemical study and review of the literature. Lafreniere R, et al. **J Surg Oncol** 1991 Jan;46(1):60–6 (77 ref.)

RADIOGRAPHY

[Is endoscopic retrograde cholangiopancreatography useful in the diagnosis of cholangiocarcinoma?] Moreira VF, et al. **Rev Clin Esp** 1990 May;186(9):430–5 (53 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Resection of a granular cell tumor at the hepatic confluence. A precarious location for a benign tumor. Sanchez JA, et al. **Am Surg** 1991 Jul;57(7):446–50 (47 ref.)
[Carcinoma of the middle tract of the extrahepatic bile duct: our experience with 7 cases] Campana FP, et al. **G Chir** 1988 Feb;9(2):147–9 (8 ref.) (Eng. Abstr.) **(Ita)**
[Cholecysto–intestinal anastomoses in the treatment of obstructive jaundice with neoplastic origin] Avaliani MV, et al. **Klin Khir** 1990;(9):39–43 (59 ref.) **(Rus)**

BILE DUCT OBSTRUCTION see **CHOLESTASIS**

BILE DUCT OBSTRUCTION, EXTRAHEPATIC

Stenosis of the sphincter of Oddi. Moody FG, et al. **Surg Clin North Am** 1990 Dec;70(6):1341–54 (29 ref.)

ETIOLOGY

Annular pancreas as a cause of extrahepatic biliary obstruction. Baggott BB, et al. **Am J Gastroenterol** 1991 Feb;86(2):224–6 (9 ref.)
[Peroral and transhepatic cholangioscopy] Schmitt W, et al. **Leber Magen Darm** 1991 May;21(3):116, 119–20, 122–4 (14 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

[Status determination in discussion of benign stenosis of Vater's papilla] Horntrich J. **Gastroenterol J** 1990; 50(2):101–4, discussion 105–8 (19 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

[Guideline in (suspected) malignant obstruction of the proximal bile ducts] van Leeuwen DJ, et al. **Ned Tijdschr Geneeskd** 1990 Dec 29;134(52):2524–9 (38 ref.) **(Dut)**

BILE DUCT OBSTRUCTION, INTRAHEPATIC see **CHOLESTASIS, INTRAHEPATIC**

BILE DUCTS

Fine caliber cholangioscopy. Guenther RW, et al. **Radiol Clin North Am** 1990 Nov;28(6):1171–83 (26 ref.)
Biliary endoprostheses. Plastic versus metal stents. Lammer J. **Radiol Clin North Am** 1990 Nov;28(6):1211–22 (31 ref.)
Small-duct primary sclerosing cholangitis. Ludwig J. **Semin Liver Dis** 1991 Feb;11(1):11–7 (40 ref.)

ABNORMALITIES

Multiple carcinomata associated with anomalous arrangement of the biliary and pancreatic duct system. A report of two cases with a literature survey. Morohoshi T, et al. **Acta Pathol Jpn** 1990 Oct;40(10):755–63 (31 ref.)
Choledochal cyst: anomalous arrangement of the pancreaticobiliary ductal system and biliary malignancy. Komi N, et al. **J Gastroenterol Hepatol** 1989 Jan–Feb; 4(1):63–74 (102 ref.)
Anomalous biliary ducts associated with duodenal atresia. Knechtle SJ, et al. **J Pediatr Surg** 1990 Dec;25(12):1266–9 (11 ref.)
Intrahepatic cholestasis with gallstones in two siblings: a new hepatobiliary syndrome in association with anomalous arrangement of pancreaticobiliary ducts. Takehara H, et al. **Tokushima J Exp Med** 1990 Dec;37(3–4):121–9 (40 ref.)
[Surgical treatment of bile system abnormalities] Błoch J, et al. **Wiad Lek** 1990 Nov 1–15;43(21–22):1063–7 (26 ref.) (Eng. Abstr.) **(Pol)**

PATHOLOGY

Type IVa choledochal cysts: surgical management and literature review. Thambi Dorai CR, et al. **Aust N Z J Surg** 1991 Jul;61(7):505–10 (21 ref.)
Postoperative bile duct strictures. Lillemoe KD, et al. **Surg Clin North Am** 1990 Dec;70(6):1355–80 (45 ref.)

SURGERY

Surgical anatomy of the biliary tree. Lygidakis NJ. **Recenti Prog Med** 1990 Jun;81(6):399–408 (6 ref.)
[Reinterventions in bilio–digestive anastomosis] Morino F, et al. **G Chir** 1988 Sep;9(9):614–21 (0 ref.) **(Ita)**
[Surgical treatment of bile system abnormalities] Błoch J, et al. **Wiad Lek** 1990 Nov 1–15;43(21–22):1063–7 (26 ref.) (Eng. Abstr.) **(Pol)**
[Surgical treatment of liver echinococcosis with rupture into bile ducts] Movchun AA, et al. **Khirurgiia (Mosk)** 1991 May;(5):149–56 (76 ref.) **(Rus)**
[Prospects of using microsurgical techniques in surgery of the bile ducts] Skiba VV, et al. **Klin Khir** 1990;(11):52–6 (66 ref.) **(Rus)**

BILE DUCTS, INTRAHEPATIC

Caroli's disease associated with hepatolithiasis: a case report and review of the Japanese literature. Tsunoda T, et al. **Gastroenterol Jpn** 1991 Feb;26(1):74–9 (6 ref.)
Destructive intrahepatic bile duct diseases. Desmet VJ. **Recenti Prog Med** 1990 Jun;81(6):392–8 (95 ref.)
Identification and localisation of resectable tumours in the liver. Okuda K. **Trop Gastroenterol** 1990 Jul–Sep; 11(3):119–29 (32 ref.)
[A case of minute cholangiocellular carcinoma which was found in the follow–up periods of liver cirrhosis and was indistinguishable from hepatocellular carcinoma on hepatic angiography] Nagaoka T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jun;88(6):1369–74 (14 ref.) **(Jpn)**

ABNORMALITIES

[Single–lobe Caroli's disease. Anatomoclinical aspects. Diagnostic and therapeutic procedure. Apropos of 3 personal cases and 101 cases in the literature] Guntz P, et al. **J Chir (Paris)** 1991 Apr;128(4):167–81 (91 ref.) (Eng. Abstr.) **(Fre)**
[Caroli syndrome in childhood. Review and report of a patient with an unbalanced karyotype] Schrader E, et al. **Kinderarztl Prax** 1991 Apr;59(4):97–100 (28 ref.) (Eng. Abstr.) **(Ger)**
[Caroli's disease (a review of the literature)] Ponomarev AA. **Vrach Delo** 1990 Oct;(10):88–91 (47 ref.) **(Rus)**

PATHOLOGY

[An autopsy case of an elderly man with jaundice due to the necrosis and loss of intrahepatic interlobular bile ducts] Wada H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Mar; 88(3):758–62 (15 ref.) **(Jpn)**

BILE PIGMENTS

Pigment gallstone disease. Trotman BW. **Gastroenterol Clin North Am** 1991 Mar;20(1):111–26 (108 ref.)

ANALYSIS

Current development in the pathogenesis of gallstones. Tandon RK. **Trop Gastroenterol** 1990 Jul–Sep;11(3):130–9 (105 ref.)

METABOLISM

Role and nature of plasma membrane carrier proteins in the hepatic transport of organic anions. Tiribelli C, et al. **J Gastroenterol Hepatol** 1989 Mar–Apr;4(2):195–205 (77 ref.)
[Pathophysiological and clinical aspects of pigment gallstones] Andree H. **Z Arztl Fortbild (Jena)** 1991 Mar 25;85(6):235–40 (41 ref.) **(Ger)**

BILE REFLUX

RADIONUCLIDE IMAGING

[Nuclear medicine studies of gastrointestinal transit; detection of reflux] Eilles C, et al. **Z Gastroenterol Verh** 1991 Mar; 26:113–6 (23 ref.) **(Ger)**

BILE SALTS see **BILE ACIDS AND SALTS**

BILHARZIA see **SCHISTOSOMA**

BILHARZIASIS see **SCHISTOSOMIASIS**

BILIARY ATRESIA

Paucity of interlobular bile ducts. Arteriohepatic dysplasia and nonsyndromic duct paucity. Kahn E. **Perspect Pediatr Pathol** 1991;14:168–215 (155 ref.)

PATHOLOGY

[Extrahepatic biliary tract atresia and a common biliopancreatic canal. Review of the literature apropos of a case] Vergnes P, et al. **Chir Pediatr** 1990;31(2):73–8 (32 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[Recent advances in pediatric hepatology] Bernard O, et al. **Arch Fr Pediatr** 1991 Jan;48(1):53–6 (34 ref.) **(Fre)**

BILIARY CALCULI see **CHOLELITHIASIS**

BILIARY CALCULI, COMMON BILE DUCT see **COMMON BILE DUCT CALCULI**

BILIARY CIRRHOSIS see **LIVER CIRRHOSIS, BILIARY**

BILIARY DYSKINESIA

DRUG THERAPY

Innervation of the sphincter of Oddi: physiology and considerations of pharmacological intervention in biliary dyskinesia. Toouli J, et al. **Pharmacol Ther** 1991; 49(3):269–81 (116 ref.)

BILIARY FISTULA

COMPLICATIONS

[Post–traumatic hemobilia caused by arteriobiliary fistula. A case report and review of the literature] Ortiz M, et al. **J Chir (Paris)** 1990 Oct;127(10):456–8 (15 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Internal biliary fistulae (the clinical picture, diagnosis and treatment)] Penkov N, et al. **Khirurgiia (Sofiia)** 1990; 43(5):68–82 (131 ref.) **(Bul)**

ETIOLOGY

[Spontaneous internal biliary fistulae (their pathogenesis and pathological anatomy)] Penkov N, et al. **Khirurgiia (Sofiia)** 1990;43(4):74–8 (24 ref.) **(Bul)**
[Bilio–bronchial fistula of hydatid origin. Apropos of 8 cases] Moumen M, et al. **J Chir (Paris)** 1991 Apr;128(4):188–92 (27 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[Our experience in treating internal biliary fistulae] Viiachki I, et al. **Khirurgiia (Sofiia)** 1990;43(6):54–61 (48 ref.) **(Bul)**

BILIARY STASIS see **CHOLESTASIS**

BILIARY STASIS, EXTRAHEPATIC see **BILE DUCT OBSTRUCTION, EXTRAHEPATIC**

BILIARY STASIS, INTRAHEPATIC see **CHOLESTASIS, INTRAHEPATIC**

BILIARY SURGERY see **BILIARY TRACT SURGERY**

BILIARY TRACT

see related
CHOLANGIOGRAPHY
CHOLECYSTOGRAPHY

ABNORMALITIES

Hepatobiliary anomalies associated with polysplenia syndrome. Gagner M, et al. **Gastrointest Radiol** 1991 Spring;16(2):167–71 (20 ref.)

PHYSIOLOGY

Pressure relationships within the human bile tract. Normal and abnormal physiology. Torsoli A, et al. **Scand J Gastroenterol Suppl** 1990;175:52–7 (42 ref.)

RADIOGRAPHY

The biliary tract: imaging for the 1990s. Burrell MI, et al. **AJR Am J Roentgenol** 1991 Aug;157(2):223–33 (51 ref.)

RADIONUCLIDE IMAGING

Radionuclide studies of the liver and hepatobiliary system. Kim EE, et al. **Curr Opin Radiol** 1990 Dec;2(6):844–50 (17 ref.)

ULTRASONOGRAPHY

The biliary tract: imaging for the 1990s. Burrell MI, et al. **AJR Am J Roentgenol** 1991 Aug;157(2):223–33 (51 ref.)

BILIARY TRACT DISEASES

see related
CHOLANGIOGRAPHY

COMPLICATIONS

[The therapy of chologenic diarrhea] Walker S. **Dtsch Med Wochenschr** 1991 Mar 8;116(10):381–3 (15 ref.) **(Ger)**

CONGENITAL

Congenital biliary tract disease. Karrer FM, et al. **Surg Clin North Am** 1990 Dec;70(6):1403–18 (16 ref.)
[Congenital dilatation of the biliary tract accompanied with an early cholangiocarcinoma in the aged] Okayama N, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jan;88(1):105–10 (12 ref.) **(Jpn)**

DIAGNOSIS

Diagnostic and interventional procedures for the biliary tract. Goldberg HI, et al. **Curr Opin Radiol** 1991 Jun;3(3):453–62 (37 ref.)
[A comparative evaluation of current preoperative diagnostic

methods in biliary pathology] Deenichin G. **Khirurgiia (Sofiia)** 1990;43(6):86–91 (47 ref.) **(Bul)**

[Rational clinico-chemical diagnosis of hepatobiliary diseases] Blum HE, et al. **Internist (Berl)** 1991 May; 32(5):239–43 (8 ref.) **(Ger)**

DRUG THERAPY

Treatment of intra-abdominal infections with quinolones. Smith JA. **Eur J Clin Microbiol Infect Dis** 1991 Apr; 10(4):330–3 (17 ref.)

[The use of antioxidants in patients with chronic diseases of the hepatobiliary system (a review of the literature)] Epishin AV, et al. **Vrach Delo** 1990 Apr;(4):24–7 (29 ref.) **(Rus)**

ETIOLOGY

Hepatobiliary manifestations of the acquired immune deficiency syndrome. Cappell MS. **Am J Gastroenterol** 1991 Jan;86(1):1–15 (299 ref.)

Hepatobiliary dysfunction associated with total parenteral nutrition. Payne-James JJ, et al. **Dig Dis** 1991;9(2):106–24 (119 ref.)

Pathogenesis of biliary sludge. Lee SP. **Hepatology** 1990 Sep; 12(3 Pt 2):200S–203S; discussion 203S–205S (24 ref.)

IMMUNOLOGY

Secretory immunoglobulin A in hepatobiliary diseases. Vuitton DA, et al. **Dig Dis** 1991;9(2):78–91 (69 ref.)

METABOLISM

[The physicochemical properties of the bile in biliary tract diseases (a review of the literature)] Kostenko AP. **Vrach Delo** 1990 Nov;(11):89–92 (46 ref.) **(Rus)**

PARASITOLOGY

Modern techniques in the diagnosis and treatment of gastrointestinal and biliary tree parasites. el Sheikh Mohamed AR, et al. **Hepatogastroenterology** 1991 Apr; 38(2):180–8 (67 ref.)

[Biliary ascariasis. Experience at the Dr. Manuel Gea Gonzáles General Hospital] Quintos Aranda C, et al. **Rev Gastroenterol Mex** 1990 Apr–Jun;55(2):61–5 (32 ref.) (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

Augmented cholescintigraphy: its role in detecting acute and chronic disorders of the hepatobiliary tree. Fink-Bennett D. **Semin Nucl Med** 1991 Apr;21(2):128–39 (58 ref.)

SURGERY

[Biliary ascariasis. Experience at the Dr. Manuel Gea Gonzáles General Hospital] Quintos Aranda C, et al. **Rev Gastroenterol Mex** 1990 Apr–Jun;55(2):61–5 (32 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Endoscopic nasobiliary catheter drainage in biliary and pancreatic disease. Leung JW, et al. **Am J Gastroenterol** 1991 Apr;86(4):389–94 (32 ref.)

Biliary intervention--technique and devices: a commentary. Coons H. **Cardiovasc Intervent Radiol** 1990 Aug–Sep; 13(4):211–6 (12 ref.)

BILIARY TRACT HEMORRHAGE see **HEMOBILIA**

BILIARY TRACT NEOPLASMS

Choledochal cyst: anomalous arrangement of the pancreaticobiliary ductal system and biliary malignancy. Komi N, et al. **J Gastroenterol Hepatol** 1989 Jan–Feb; 4(1):63–74 (102 ref.)

COMPLICATIONS

Endoscopically inserted biliary endoprosthesis in malignant obstructive jaundice. A survey of the literature. Naggar E, et al. **Liver** 1990 Dec;10(6):321–4 (19 ref.)

DIAGNOSIS

[Diagnosis of cancer of the bilio-pancreatoduodenal region] Lebedev NV, et al. **Sov Med** 1990;(11):33–8 (75 ref.) **(Rus)**

IMMUNOLOGY

Radioimmunolocalization of tumours of the pancreas and biliary tree. Allum WH. **Baillieres Clin Gastroenterol** 1990 Dec;4(4):853–67 (63 ref.)

SURGERY

Intraoperative radiation therapy for pancreatic, biliary and gastric carcinoma: the US experience. Merrick HW 3d, et al. **Front Radiat Ther Oncol** 1991;25:246–57 (35 ref.)

[Internal biliary diversions in inoperable neoplasms of the biliary tract and pancreas] Giordano G, et al. **G Chir** 1991 Jan–Feb;12(1–2):9–15 (26 ref.) (Eng. Abstr.) **(Ita)**

BILIARY TRACT SURGERY

Endoscopic management of postoperative biliary leaks: review of 77 cases and report of two cases with biloma formation. Binmoeller KF, et al. **Am J Gastroenterol** 1991 Feb;86(2):227–31 (20 ref.)

Selective decontamination of the digestive tract in hepatobiliary surgery: a concept. Slooff MJ, et al. **HPB Surg** 1990 Mar;2(1):1–5 (39 ref.)

[Endoscopic decompression of the biliary tract] Farca Belsaguy A. **Rev Gastroenterol Mex** 1990 Jul–Sep; 55(3):171–5 (12 ref.) (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Hepatic abscess following biliary tract surgery. Etiology, treatment and results. Carrel T, et al. **Eur J Surg** 1991 Mar; 157(3):209–13 (18 ref.)

METHODS

[Internal biliary diversions in inoperable neoplasms of the biliary tract and pancreas] Giordano G, et al. **G Chir** 1991 Jan–Feb;12(1–2):9–15 (26 ref.) (Eng. Abstr.) **(Ita)**

BILIRUBIN

see related
HYPERBILIRUBINEMIA

BLOOD

The analysis of bilirubin in serum. Westwood A. **Ann Clin Biochem** 1991 Mar;28 (Pt 2):119–30 (90 ref.)

Can serum bilirubin be an index of in vivo oxidative stress? Hidalgo FJ, et al. **Med Hypotheses** 1990 Nov;33(3):207–11 (51 ref.)

METABOLISM

Unconjugated bilirubin and cholesterol gallstone formation. Ostrow JD. **Hepatology** 1990 Sep;12(3 Pt 2):219S–224S; discussion 224S–226S (51 ref.)

RADIATION EFFECTS

New trends in photobiology (invited review). Recent advances in bilirubin photophysics. Agati G, et al. **J Photochem Photobiol B** 1990 Sep;7(1):1–14 (47 ref.)

BILIRUBINEMIA see **HYPERBILIRUBINEMIA**

BILIVERDINE

BLOOD

The blue-green blood plasma of marine fish. Fang LS, et al. **Comp Biochem Physiol [B]** 1990;97(1):37–45 (73 ref.)

BINDING PROTEINS see **CARRIER PROTEINS**

BINDING SITES

Intrasteric regulation of protein kinases and phosphatases. Kemp BE, et al. **Biochim Biophys Acta** 1991 Aug 13; 1094(1):67–76 (76 ref.)

RADIATION EFFECTS

Could manipulation of the binding affinity of haemoglobin for oxygen be used clinically to sensitize tumours to radiation? Hirst DG, et al. **Radiother Oncol** 1991;20 Suppl 1:53–7 (21 ref.)

BINDING SITES, ANTIBODY

The two binding-site models of human IgG binding Fc gamma receptors. Gergely J, et al. **FASEB J** 1990 Dec; 4(15):3275–83 (61 ref.)

Structure, function and properties of antibody binding sites. Mian IS, et al. **J Mol Biol** 1991 Jan 5;217(1):133–51 (60 ref.)

Natural antibody targets on discordant endothelium: molecular characterization and consequences of antibody binding. Platt JL, et al. **Transplant Proc** 1991 Feb;23(1 Pt 1):815–6 (15 ref.)

IMMUNOLOGY

Enzyme-inhibiting antibodies and immunoglobulin combining site functional perspectives. Petrella RU, et al. **Kurume Med J** 1990;37(4):209–28 (109 ref.)

BINOCULAR VISION see **VISION, BINOCULAR**

BIOASSAY see **BIOLOGICAL ASSAY**

BIOAVAILABILITY see **BIOLOGICAL AVAILABILITY**

BIOCHEMICAL MARKERS see **BIOLOGICAL MARKERS**

BIOCHEMISTRY

Applications of NMR in agriculture and biochemistry. Schmidt SJ, et al. **Basic Life Sci** 1990;56:1–6 (57 ref.)

Holobiochemistry: the effect of local environment upon the equilibria and rates of biochemical reactions. Minton AP. **Int J Biochem** 1990;22(10):1063–7 (17 ref.)

Using linear and non-linear regression to fit biochemical data. Leatherbarrow RJ. **Trends Biochem Sci** 1990 Dec; 15(12):455–8 (16 ref.)

[Comparative biochemical systems] Schoffeniels E. **Arch Int Physiol Biochim Biophys** 1991 Feb;99(1):1–46 (163 ref.) (Eng. Abstr.) **(Fre)**

[Biochemical aspects of the evaluation of fixed drug combinations] Roebruck P, et al. **Arzneimittelforschung** 1990 Jul;40(7):725–9 (10 ref.) (Eng. Abstr.) **(Ger)**

[The biochemical basis of pharmaceutical chemistry. 8. The biological membrane as an attack point of drugs] Nuhn P. **Pharmazie** 1990 Sep;45(9):700–10 (63 ref.) **(Ger)**

[The biochemical basis of pharmaceutical chemistry. 10. Enzymes and enzyme inhibitors as drugs] Nuhn P, et al. **Pharmazie** 1991 May;46(5):365–82 (28 ref.) **(Ger)**

[Problems of biochemical organization] Kurganov BI, et al. **Biokhimiia** 1991 Jan;56(1):19–32 (74 ref.) (Eng. Abstr.) **(Rus)**

EDUCATION

PC-based molecular modeling in the classroom: applications to medicinal chemistry and biochemistry. Henkel JG. **J Mol Graph** 1991 Mar;9(1):11–7, 34–5 (12 ref.)

HISTORY

Purification of renin and prorenin. Inagami T. **Hypertension** 1991 Sep;18(3):241–51 (154 ref.)

METHODS

N.m.r. and biochemistry. Campbell ID. **Biochem Soc Trans** 1991 Apr;19(2):243–8 (70 ref.)

Laser light scattering in biochemistry. Introductory remarks. Harding SE, et al. **Biochem Soc Trans** 1991 Apr;19(2):477 (2 ref.)

STANDARDS

Quality assurance: clinical biochemists outside the laboratory. Hutchesson AC. **Ann Clin Biochem** 1990 Nov;27 (Pt 6):517–8 (9 ref.)

BIOCOMPATIBLE MATERIALS

New aspects of biocompatibility of hemodialysis membranes. Wauters JP, et al. **Adv Nephrol Necker Hosp** 1991;20:275–80 (17 ref.)

Testing the susceptibility of bacteria in biofilms to antibacterial agents. Anwar H, et al. **Antimicrob Agents Chemother** 1990 Nov;34(11):2043–6 (48 ref.)

Clinical experience with titanium implants, especially with the limited contact dynamic compression plate system. Matter P, et al. **Arch Orthop Trauma Surg** 1990;109(6):311–3 (5 ref.)

Modern metal processing for improved load-bearing surgical implants. Pilliar RM. **Biomaterials** 1991 Mar;12(2):95–100 (60 ref.)

Biomaterials for implanted closed loop insulin delivery system: a review. Wilkins E, et al. **Biosens Bioelectron** 1990; 5(3):167–213 (437 ref.)

Cytokines and biocompatibility. Dinarello CA. **Blood Purif** 1990;8(4):208–13 (7 ref.)

Contact lens materials: a critical review. Lippman JI. **CLAO J** 1990 Oct–Dec;16(4):287–91 (27 ref.)

Toxicology and biocompatibility considerations in the evaluation of polymeric materials for biomedical applications. Laurencin CT, et al. **Clin Lab Med** 1990 Sep; 10(3):549–70 (100 ref.)

Advances in implant-bone interface. Collier JP, et al. **Instr Course Lect** 1991;40:89–113 (104 ref.)

Present and future value of dental composite materials and sealants. Dogon IL. **Int J Technol Assess Health Care** 1990; 6(3):369–77 (52 ref.)

Dental implant biomaterials. Lemons JE. **J Am Dent Assoc** 1990 Dec;121(6):716–9 (19 ref.)

Surface proteins of coagulase-negative staphylococci: their role in adherence to biomaterials and in opsonization. Fleer A, et al. **J Biomater Appl** 1990 Oct;5(2):154–65 (26 ref.)

Transplantation of polymer encapsulated neurotransmitter secreting cells: effect of the encapsulation technique. Aebischer P, et al. **J Biomech Eng** 1991 May;113(2):178–83 (49 ref.)

Endothelialization of the luminal sac in artificial cardiac prostheses: a challenge for both biologists and engineers. Lelkes PI, et al. **J Biomech Eng** 1991 May;113(2):132–42 (94 ref.)

Biomedical materials research in the USSR. Sevastianov VI, et al. **J Biomed Mater Res** 1991 Feb;25(2):255–65 (120 ref.)

Biocompatible controlled release polymers for delivery of polypeptides and growth factors. Langer R, et al. **J Cell Biochem** 1991 Apr;45(4):340–5 (26 ref.)

New aspects in the pathogenesis and prevention of polymer-associated foreign-body infections caused by coagulase-negative staphylococci. Jansen B, et al. **J Invest Surg** 1989;2(4):361–80 (91 ref.)

Molecular aspects of bacterial adhesion, colonization, and development of infections associated with biomaterials. Wadström T. **J Invest Surg** 1989;2(4):353–60 (40 ref.)

Biologically inert synthetic dural substitutes. Appraisal of a medical-grade aliphatic polyurethane and a

polysiloxane-carbonate block copolymer. Sakas DE, et al. **J Neurosurg** 1990 Dec;73(6):936-41 (54 ref.)
Current views on biological testing of restorative materials. Mjör IA. **J Oral Rehabil** 1990 Nov;17(6):503-7 (28 ref.)
Twenty-five years of clinical application of a heat-cured silicone rubber. Ryan JE. **J Prosthet Dent** 1991 May; 65(5):658-61 (14 ref.)
Bioresorbable materials and macrophage interactions. Greisler HP. **J Vasc Surg** 1991 May;13(5):748-50 (12 ref.)
Leachable components in polymeric medical implants and disposables: a brief critical review. Bruck SD. **Med Prog Technol** 1990;16(3):131-43 (54 ref.)
MR imaging and biomedical implants, materials, and devices: an updated review. Shellock FG, et al. **Radiology** 1991 Aug; 180(2):541-50 (60 ref.)
Current status of synthetic epikeratoplasty. Thompson KP, et al. **Refract Corneal Surg** 1991 May-Jun;7(3):240-8 (41 ref.)
[Are Ag-points, gutta percha and amalgam still useful as apical filling materials?] D'Haeseleire P, et al. **Acta Stomatol Belg** 1989 Dec;86(4):243-50 (37 ref.) (Eng. Abstr.) **(Dut)**
[6 dentin adhesive products subjected to controls in vitro] Neroni M, et al. **J Biol Buccale** 1990 Dec;18(4):271-85 (47 ref.) (Eng. Abstr.) **(Fre)**
[Surgical absorbable suture materials] Kuzin MI, et al. **Khirurgiia (Mosk)** 1990 Sep;(9):152-7 (72 ref.) **(Rus)**
[Hemocompatible polymers] Costa Novella E. **An R Acad Nac Med (Madr)** 1990;107(2):367-86 (65 ref.) **(Spa)**

ADMINISTRATION & DOSAGE

Laser balloon angioplasty: potential for reduction of the thrombogenicity of the injured arterial wall and for local application of bioprotective materials. Spears JR, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):179B-188B (86 ref.)

ADVERSE EFFECTS

The biologic effects of implant materials. Galante JO, et al. **J Orthop Res** 1991 Sep;9(5):760-75 (108 ref.)
Mechanisms of musculoskeletal sepsis. Gristina AG, et al. **Orthop Clin North Am** 1991 Jul;22(3):363-71 (58 ref.)

CHEMISTRY

Bioceramics. Is there a difference? Lemons JE. **Clin Orthop** 1990 Dec;(261):153-8 (23 ref.)

PHARMACOLOGY

Biocompatibility and capability of haemopurification systems: review and future development. Ota K. **Nephrol Dial Transplant** 1991;6 Suppl 2:86-90 (6 ref.)
Recent advances in the biocompatibility of haemodialysis membranes. Schulman G, et al. **Nephrol Dial Transplant** 1991;6 Suppl 2:10-3 (43 ref.)
Leukocyte-derived mediators and biocompatibility. Tetta C, et al. **Nephrol Dial Transplant** 1991;6 Suppl 2:24-30 (88 ref.)

STANDARDS

[Questions of principle and practice concerning the use of Diakor aluminum oxide in bioceramical oral endosseous implantation. III. Surgical intervention] Divinyi T, et al. **Fogorv Sz** 1991 Apr;84(4):97-103 (15 ref.) (Eng. Abstr.) **(Hun)**
[Soluble synthetic suture materials] Chkhikvadze TF, et al. **Khirurgiia (Mosk)** 1990 Dec;(12):154-8 (84 ref.) **(Rus)**

THERAPEUTIC USE

The use of artificial ligaments in anterior cruciate ligament reconstruction. Guarda E, et al. **Ital J Orthop Traumatol** 1990 Sep;16(3):323-30 (36 ref.)
Absorbable implants for the fixation of fractures. Böstman OM. **J Bone Joint Surg [Am]** 1991 Jan;73(1):148-53 (55 ref.)

BIOCOMPATIBLE MATERIALS TESTING see **MATERIALS TESTING**

BIODEGRADATION

Biodegradation of low-molecular-weight halogenated hydrocarbons by methanotrophic bacteria. Hanson RS, et al. **FEMS Microbiol Rev** 1990 Dec;7(3-4):273-8 (22 ref.)
The biodegradation of halogenated organic compounds. Neilson AH. **J Appl Bacteriol** 1990 Oct;69(4):445-70 (180 ref.)
Microbiological degradation of pesticides in yard waste composting. Fogarty AM, et al. **Microbiol Rev** 1991 Jun; 55(2):225-33 (43 ref.)
Problems and potential for in situ treatment of environmental pollutants by engineered microorganisms. Jain RK, et al. **Microbiol Sci** 1987 Feb;4(2):59-63 (34 ref.)

BIOENERGETICS see **ENERGY METABOLISM**

BIOEQUIVALENCE see **THERAPEUTIC EQUIVALENCY**

BIOETHICS

Bioethics and public health in the 1980s: resource allocation and AIDS. Faden RR, et al. **Annu Rev Public Health** 1991; 12:335-60 (155 ref.)
Dynamics of the bioethics dialogue in a Spain in transition. Abel F. **Bull Pan Am Health Organ** 1990;24(4):521-9 (5 ref.)
Bioethics: implications for medical practice and deontologic and legal standards in Brazil. Dias HP. **Bull Pan Am Health Organ** 1990;24(4):491-503 (16 ref.)
Human dying has changed. Llano Escobar A. **Bull Pan Am Health Organ** 1990;24(4):446-53 (11 ref.)
Bioethics in Chile: present and future status. Lolas F. **Buli Pan Am Health Organ** 1990;24(4):515-20 (33 ref.)
Overview of bioethics in Mexico. Porter JK, et al. **Bull Pan Am Health Organ** 1990;24(4):536-44 (14 ref.)
Background and current status of bioethics in Columbia. Sánchez-Torres F. **Bull Pan Am Health Organ** 1990; 24(4):510-4 (12 ref.)
Bioethics: its philosophical basis and application. Sass HM. **Bull Pan Am Health Organ** 1990;24(4):372-8 (11 ref.)
Getting down to cases: the revival of casuistry in bioethics. Arras JD. **J Med Philos** 1991 Feb;16(1):29-51 (40 ref.)
The ethics of using scientific data obtained by immoral means. Rosner F, et al. **N Y State J Med** 1991 Feb;91(2):54-9 (34 ref.)
[Directions of an ethic in genetic engineering: evaluation of an ethic for biotechnology] Irrgang B. **Naturwissenschaften** 1990 Dec;77(12):569-77 (16 ref.) (Eng. Abstr.) **(Ger)**

BIOFEEDBACK (PSYCHOLOGY)

Physiological mechanisms of temperature biofeedback. Freedman RR. **Biofeedback Self Regul** 1991 Jun; 16(2):95-115 (54 ref.)
Biofeedback. Smith MS. **Pediatr Ann** 1991 Mar;20(3):128, 130-4 (24 ref.)
Biofeedback as a treatment for childhood hyperactivity: a critical review of the literature. Lee SW. **Psychol Rep** 1991 Feb;68(1):163-92 (85 ref.)
[Irritable bowel syndrome: pathophysiological basis of therapeutic management] Herman RM. **Przegl Lek** 1990; 47(7):557-61 (23 ref.) **(Pol)**

INSTRUMENTATION

Frequency characteristics of signals and instrumentation: implication for EMG biofeedback studies. Mathieu PA, et al. **Biofeedback Self Regul** 1990 Dec;15(4):335-52 (29 ref.)

PHYSIOLOGY

Conditioning of the spinal stretch reflex: implications for rehabilitation. Wolf SL, et al. **Phys Ther** 1990 Oct; 70(10):652-6 (30 ref.)

BIOFLAVONOIDS

[The second anti-scurvy factor] Gazave JM. **J Physiol Suppl (Paris)** 1966;14:1-128 (196 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOLOGY

[Flavonoids: antithrombotic agents or nutrients?] Anton R, et al. **Bull Acad Natl Med** 1990 Jun-Jul;174(6):709-14; discussion 714-7 (11 ref.) (Eng. Abstr.) **(Fre)**

BIOGENESIS

Origin of life--facing up to the physical setting. Pace NR. **Cell** 1991 May 17;65(4):531-3 (20 ref.)
Life with CO or CO2 and H2 as a source of carbon and energy [published erratum appears in FASEB J 1991 May;5(8):2216] Wood HG. **FASEB J** 1991 Feb;5(2):156-63 (51 ref.)
Saccharomyces cerevisiae as a model eukaryote for studies on mitochondriogenesis. Trivedi A, et al. **Microbiol Sci** 1985 Jan;2(1):10-3 (19 ref.)
Homeotopic transformation and the origin of translation. Danchin A. **Prog Biophys Mol Biol** 1989;54(1):81-6 (39 ref.)
Synthesis of life in the lab? Defining a protoliving system. Fox SW. **Q Rev Biol** 1991 Jun;66(2):181-5 (29 ref.)
Coordination of gene expression in the formation of mammalian mitochondria. Nagley P. **Trends Genet** 1991 Jan;7(1):1-4 (20 ref.)
[Inorganic ions versus proteins in biological functions] Ebashi S. **Yakugaku Zasshi** 1991 Mar;111(3):182-7 (9 ref.) (Eng. Abstr.) **(Jpn)**
[Membrane biogenesis] Makurina ON. **Biol Nauki** 1991; (3):5-15 (47 ref.) (Eng. Abstr.) **(Rus)**

BIOGENIC AMINES

ANALYSIS

Occurrence and formation of biologically active amines in foods. ten Brink B, et al. **Int J Food Microbiol** 1990 Aug; 11(1):73-84 (17 ref.)

METABOLISM

G proteins. Linkages with amine receptors. Manning DR. **Neuropsychopharmacology** 1990 Oct-Dec;3(5-6):447-55 (57 ref.)

PHYSIOLOGY

On the role of adenylate cyclase in presynaptic modulation of neurotransmitter release mediated by monoamine and opioid receptors in the brain. Mulder AH, et al. **Ann N Y Acad Sci** 1990;604:237-49 (60 ref.)
Influence of the ascending monoaminergic systems on the activity of the rat prefrontal cortex. Thierry AM, et al. **Prog Brain Res** 1990;85:357-64; discussion 364-5 (40 ref.)

BIOGENIC MONOAMINES

[Monoamine research--a productive field of particular importance in neuroscience] Carlsson A. **Lakartidningen** 1990 Nov 7;87(45):3764, 3767-9 (24 ref.) (Eng. Abstr.) **(Swe)**

CHEMISTRY

Measurement of the in vitro release of endogenous monoamine neurotransmitters as a means of identification of prejunctional receptors. Middlemiss DN, et al. **J Neurosci Methods** 1990 Sep;34(1-3):23-8 (48 ref.)

PHYSIOLOGY

Monoaminergic interaction in the central nervous system: a morphological analysis in the locus coeruleus of the rat. Maeda T, et al. **Comp Biochem Physiol [C]** 1991; 98(1):193-202 (38 ref.)
Antidepressants. Current concepts of mode of action. Léonard BE. **Encephale** 1991 May-Jun;17 Spec No 1:127-31 (42 ref.)
Towards a functional significance of peptides and biogenic amines produced by the anterior pituitary. Houben H, et al. **J Endocrinol Invest** 1990 Nov;13(10):855-63 (76 ref.)

BIOGENIC POLYAMINES

METABOLISM

Polyamine metabolism. Seiler N. **Digestion** 1990;46 Suppl 2:319-30 (26 ref.)

PHYSIOLOGY

Polyamines in intestinal adaptation and disease. Dowling RH. **Digestion** 1990;46 Suppl 2:331-44 (67 ref.)
Polyamines in pancreatic growth. Fölsch UR, et al. **Digestion** 1990;46 Suppl 2:345-51 (19 ref.)
[The presence and function of polyamines in the male reproductive system] Méndez JD, et al. **Ginecol Obstet Mex** 1987 May;55:128-32 (40 ref.) (Eng. Abstr.) **(Spa)**

URINE

[Recent progress in polyamine research] Ohsawa N. **Hum Cell** 1990 Jun;3(2):91-8 (4 ref.) (Eng. Abstr.) **(Jpn)**

BIOHAZARDS CONTAINMENT see **CONTAINMENT OF BIOHAZARDS**

BIOINORGANIC CHEMISTRY see **CHEMISTRY, BIOINORGANIC**

BIOLOGICAL ASSAY

Assays for transforming growth factor beta. Meager A. **J Immunol Methods** 1991 Jul 26;141(1):1-14 (83 ref.)
An overview of the strengths and limitations of biological assays in quality control. Esber EC. **J Pharm Biomed Anal** 1989;7(2):131-8 (16 ref.)
Bioassays in whole animals. van Noordwijk J. **J Pharm Biomed Anal** 1989;7(2):139-45 (16 ref.)
Cell receptor assays. Zoon KC, et al. **J Pharm Biomed Anal** 1989;7(2):147-54 (21 ref.)

METHODS

Assays for mediators affecting cellular immune functions. Dotsika EN. **Curr Opin Immunol** 1989-90;2(6):932-5 (11 ref.)
Detection of chemical carcinogens by means of the "rat liver foci bioassay". Oesterle D, et al. **Exp Pathol** 1990; 39(3-4):197-206 (68 ref.)
The use of native thick filaments in in vitro motility assays. Sellers JR, et al. **J Cell Sci Suppl** 1991;14:67-71 (31 ref.)
[Methodological errors in amino acid assay in biological fluids] Parvy P, et al. **Ann Biol Clin (Paris)** 1991;49(3):180-2 (10 ref.) (Eng. Abstr.) **(Fre)**

BIOLOGICAL AVAILABILITY

The rat as a drug residue bioavailability model. Gallo-Torres HE. **Drug Metab Rev** 1990;22(6-8):707-51 (56 ref.)
Is there a need for more precise definitions of bioavailability? Conclusions of a consensus workshop, Munich, September 9, 1989; under the patronage of the F.I.P. **Eur J Clin Pharmacol** 1991;40(2):123-6 (6 ref.)
Consensus report from "Bio International '89": issues in the evaluation of bioavailability data [letter] McGilveray IJ, et al. **J Pharm Sci** 1990 Oct;79(10):945-6 (13 ref.)

Chemical speciation and bioavailability of elements in the environment and their relevance to radioecology. Desmet GM, et al. **Sci Total Environ** 1991 Mar;100 Spec No:105–24 (47 ref.)

BIOLOGICAL AVAILABILITY, NUTRITIONAL see **NUTRITIVE VALUE**

BIOLOGICAL CLOCKS

Oscillatory dynamics in intercellular communication. Goldbeter A, et al. **Biomed Biochim Acta** 1990; 49(8–9):935–40 (41 ref.)

The cellular measurement of time. Groves AK, et al. **Curr Opin Cell Biol** 1991 Apr;3(2):224–9 (54 ref.)

Points of controversy in the O–2A lineage: clocks and type–2 astrocytes. Noble M. **GLIA** 1991;4(2):157–64 (71 ref.)

DRUG EFFECTS

[Main principles of chronotherapy] Sorokin AA, et al. **Klin Med (Mosk)** 1991 May;69(5):37–9 (28 ref.) **(Rus)**

PHYSIOLOGY

The ovarian follicle: life cycle of a pelvic clock. Scott RT Jr, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):551–62 (32 ref.)

Physiological basis for photic entrainment. Meijer JH. **Eur J Morphol** 1990;28(2–4):308–16 (28 ref.)

[Cyclic variations of insulin—a clinically significant mechanism] Hellman B, et al. **Lakartidningen** 1991 May 1;88(18):1700–2 (12 ref.) **(Swe)**

BIOLOGICAL DRESSINGS

Current status of skin replacements for coverage of extensive burn wounds. Hansbrough JF. **J Trauma** 1990 Dec;30(12 Suppl):S155–60 (26 ref.)

Device drug delivery to the eye. Collagen shields, iontophoresis, and pumps. Friedberg ML, et al. **Ophthalmology** 1991 May;98(5):725–32 (46 ref.)

Progress in burn treatment and the use of artificial skin. Tompkins RG, et al. **World J Surg** 1990 Nov–Dec; 14(6):819–24 (29 ref.)

BIOLOGICAL FACTORS

ANALYSIS

Fourier transform Raman spectroscopy of biological materials. Levin IW, et al. **Anal Chem** 1990 Nov 1; 62(21):1101A–1111A (15 ref.)

New biologic prognostic factors in breast cancer. Clark GM, et al. **Oncology (Williston Park)** 1989 May;3(5):49–54; discussion 58, 61, 64 (36 ref.)

BLOOD

Parathyroid hypertensive factor, a circulating factor in animal and human hypertension. Pang PK, et al. **Am J Hypertens** 1991 May;4(5 Pt 1):472–7 (71 ref.)

ISOLATION & PURIFICATION

Bioactive compounds from aquatic and terrestrial sources. Rinehart KL, et al. **J Nat Prod** 1990 Jul–Aug;53(4):771–92 (66 ref.)

PHYSIOLOGY

Histamine releasing factors. Kaplan AP, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:8–16 (29 ref.)

[Tissue factors involved in hypoxic pulmonary vasoconstriction] Hampl V, et al. **Cesk Fysiol** 1991; 40(1):1–23 (206 ref.) **(Cze)**

THERAPEUTIC USE

New therapeutic modalities for cancer. Thomas H, et al. **Acta Oncol** 1991;30(1):107–20 (82 ref.)

Biological preparations with clinical efficacy in the prevention and therapy of allergic syndromes. Neguț E, et al. **Arch Roum Pathol Exp Microbiol** 1990 Jan–Mar; 49(1):17–30 (22 ref.)

Biologic and immunomodulating factors in the treatment of pediatric acquired immunodeficiency syndrome. Ammann AJ. **Pediatr Infect Dis J** 1990 Dec;9(12):894–904 (42 ref.)

BIOLOGICAL MARKERS

see related
MOLECULAR PROBES

Immunohistochemical markers of cellular proliferation: achievements, problems and prospects. Hall PA, et al. **Cell Tissue Kinet** 1990 Nov;23(6):505–22 (172 ref.)

Metabolic markers of stress–induced myocardial ischemia. Camici P, et al. **Circulation** 1991 May;83(5 Suppl):III8–13 (22 ref.)

Overview of biochemical markers used for nutrition support. Mattox TW, et al. **DICP** 1991 Mar;25(3):265–71 (49 ref.)

Analyzing laboratory marker changes in AIDS clinical trials. Dawson JD, et al. **J Acquir Immune Defic Syndr** 1991; 4(7):667–76 (21 ref.)

Biomarkers of aging: do we know what to look for? Mooradian AD. **J Gerontol** 1990 Nov;45(6):B183–6 (30 ref.)

Validation of biologic markers for use in research on chronic fatigue syndrome. Schulte PA. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S87–9 (12 ref.)

BLOOD

Can markers for pancreatic necrosis be used as indicators for surgery? Ferguson CM, et al. **Am J Surg** 1990 Nov; 160(5):459–61 (10 ref.)

Biochemical markers of hepatic fibrosis. Plebani M, et al. **Clin Biochem** 1991 Jun;24(3):219–39 (273 ref.)

Cartilage matrix glycoprotein as a possible marker of osteoarthritis. Fife RS. **J Rheumatol Suppl** 1991 Feb;27:30–1 (17 ref.)

[Molecular markers of thrombosis and their clinical significance] Pan JY, et al. **Chung Hua Nei Ko Tsa Chih** 1990 Jul;29(7):395–7 (18 ref.) **(Chi)**

CEREBROSPINAL FLUID

Cerebrospinal fluid markers in neurological disorders. Massaro AR, et al. **Ital J Neurol Sci** 1990 Dec;11(6):537–47 (83 ref.)

CHEMISTRY

Biological, biochemical and morphological markers of breast disorders and of breast cancer. Leathem AJ. **Acta Histochem Suppl** 1990;40:51–8 (41 ref.)

Molecular epidemiology and cancer prevention. Perera FP, et al. **Cancer Detect Prev** 1990;14(6):639–45 (31 ref.)

Biological indicators for radiation damage. Müller WU, et al. **Int J Radiat Biol** 1991 Apr;59(4):863–73 (45 ref.)

Immunological aspects of markers of joint disease. Caterson B. **J Rheumatol Suppl** 1991 Feb;27:19–23 (20 ref.)

Macromolecular markers in joint disease. Heinegård D, et al. **J Rheumatol Suppl** 1991 Feb;27:27–9 (16 ref.)

URINE

Urinary biomarkers in radiation therapy of cancer. Bergtold DS, et al. **Adv Exp Med Biol** 1990;264:311–6 (12 ref.)

BIOLOGICAL MONITORING see **ENVIRONMENTAL MONITORING**

BIOLOGICAL OSCILLATORS see **BIOLOGICAL CLOCKS**

BIOLOGICAL PEST CONTROL see **PEST CONTROL, BIOLOGICAL**

BIOLOGICAL PRODUCTS

PHARMACOLOGY

Bioactive microbial products: focus upon mechanism of action. Monaghan RL, et al. **Annu Rev Microbiol** 1990; 44:271–301 (257 ref.)

Functions of secondary metabolites. Vining LC. **Annu Rev Microbiol** 1990;44:395–427 (214 ref.)

STANDARDS

WHO Expert Committee on Biological Standardization. **WHO Tech Rep Ser** 1990;800:1–221 (799 ref.)

THERAPEUTIC USE

Biological preparations with clinical efficacy in the prevention and therapy of allergic syndromes. Neguț E, et al. **Arch Roum Pathol Exp Microbiol** 1990 Jan–Mar; 49(1):17–30 (22 ref.)

Biological response modifiers in the management of patients with breast cancer. Longo DL, et al. **Breast Cancer Res Treat** 1990 Sep;16(2):67–87 (133 ref.)

Biological therapies. Jones A, et al. **Radiother Oncol** 1991 Apr;20(4):211–23 (46 ref.)

BIOLOGICAL PSYCHIATRY

Organic unity theory: the mind–body problem revisited. Goodman A. **Am J Psychiatry** 1991 May;148(5):553–63 (37 ref.)

METHODS

A critique of the scientific status of biological psychiatry. Pam A. **Acta Psychiatr Scand Suppl** 1990;362:1–35 (172 ref.)

TRENDS

The new biological determinism in socio–cultural context. Brody EB. **Aust N Z J Psychiatry** 1990 Dec;24(4):464–9 (22 ref.)

The integrative approach to psychiatry. Lipowski ZJ. **Aust N Z J Psychiatry** 1990 Dec;24(4):470–4 (21 ref.)

BIOLOGICAL PUMP see **BIOLOGICAL TRANSPORT, ACTIVE**

BIOLOGICAL RESPONSE MODIFIERS

see related
ANTINEOPLASTIC AGENTS
IMMUNOSUPPRESSIVE AGENTS

Cefodizime as a biological response modifier: a review of its in–vivo, ex–vivo and in–vitro immunomodulatory properties. Labro MT. **J Antimicrob Chemother** 1990 Nov; 26 Suppl C:37–47 (57 ref.)

Antibiotics as biological response modifiers. Ritts RE. **J Antimicrob Chemother** 1990 Nov;26 Suppl C:31–6 (8 ref.)

[Progress in pharmacological research on radix Astragali] Liu ZY. **Chung Hsi I Chieh Ho Tsa Chih** 1991 May; 11(5):312–4 (24 ref.) **(Chi)**

ADMINISTRATION & DOSAGE

When should the immune clock be reset? From circadian pharmacodynamics to temporally optimized drug delivery. Lévi F, et al. **Ann N Y Acad Sci** 1991;618:312–29 (71 ref.)

Liposomal delivery of biological response modifiers to macrophages. Pak CC, et al. **Biotherapy** 1991;3(1):55–64 (77 ref.)

ImuVert therapy in the treatment of recurrent malignant astrocytomas: nursing implications. Cress NB, et al. **J Neurosci Nurs** 1991 Feb;23(1):29–33 (20 ref.)

[Intraperitoneal treatment of tumors of the ovary] Wendling C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991; 20(2):241–7 (42 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Immunological monitoring and clinical trials of biological response modifiers. Urba WJ, et al. **Cancer Chemother Biol Response Modif** 1990;11:281–302 (60 ref.)

THERAPEUTIC USE

Immunotherapeutical strategies in cancer patients. Munno I, et al. **Adv Exp Med Biol** 1990;267:477–82 (17 ref.)

Modern immunotherapy of cancer. Ravikumar TS, et al. **Adv Surg** 1991;24:41–68 (116 ref.)

Biologic response modifiers in primary immunodeficiency disorders. Hassner A, et al. **Ann Intern Med** 1991 Aug 15; 115(4):294–307 (189 ref.)

Experimental design for the evaluation of the antitumor action of cytokines. Ciolli V, et al. **Ann Ist Super Sanita** 1990;26(3–4):441–51 (60 ref.)

Perilymphatic injections of cytokines: a new tool in active cancer immunotherapy. Experimental rationale and clinical findings. Forni G, et al. **Ann Ist Super Sanita** 1990; 26(3–4):397–409 (34 ref.)

Role of biological response modifiers in immunochemotherapy of solid tumors and retroviral–induced leukemia. Fuggetta MP, et al. **Ann Ist Super Sanita** 1990;26(3–4):385–95 (86 ref.)

Interleukin 2 in cancer therapy. Testa U, et al. **Ann Ist Super Sanita** 1990;26(3–4):283–334 (457 ref.)

Local/regional recombinant interleukin 2 (rIL–2) immunotherapy of tumors. Intra–arterial continuous infusion of rIL–2 in bladder cancer patients: a phase I study. Velotti F, et al. **Ann Ist Super Sanita** 1990;26(3–4):411–21 (68 ref.)

New approach of treatment of severe aplastic anemia. Cooperative Group on the Treatment of Aplastic Anemia. Gluckman E, et al. **Bone Marrow Transplant** 1991;7 Suppl 2:106–7 (14 ref.)

Biological response modifiers. Clark JW. **Cancer Chemother Biol Response Modif** 1990;11:235–64 (191 ref.)

Immunological monitoring and clinical trials of biological response modifiers. Urba WJ, et al. **Cancer Chemother Biol Response Modif** 1990;11:281–302 (60 ref.)

Recombinant interleukin–2: a biological response modifier [see comments] Kintzel PE, et al. **Clin Pharm** 1991 Feb; 10(2):110–28 (142 ref.) Comment in: Clin Pharm 1991 Feb;10(2):141–2.

Biotherapy after marrow transplantation and the use of hematopoietic growth factors. Bianco JA, et al. **Curr Opin Oncol** 1990 Apr;2(2):289–96 (19 ref.)

Melanomas and other skin neoplasms. Chemotherapy and new treatments. Rümke P. **Curr Opin Oncol** 1990 Apr; 2(2):397–406 (42 ref.)

Immunosuppression and immunomodulation. Goust JM, et al. **Immunol Ser** 1990;50:481–98 (7 ref.)

Rationales for combining chemotherapy and biotherapy in the treatment of cancer. Dillman RO. **Mol Biother** 1990 Dec;2(4):201–7 (67 ref.)

Potential therapeutic applications of PHA–L4, the mitogenic isolectin of phytohemagglutinin. Wimer BM. **Mol Biother** 1990 Dec;2(4):196–200 (11 ref.)

The pharmacologic treatment of HIV infection and AIDS in adults. Cohen FL. **Nurs Clin North Am** 1991 Jun; 26(2):315–29 (67 ref.)

Strategies in diabetes mellitus. Start of a new era. Skyler JS. **Postgrad Med** 1991 May 1;89(6):45–6, 49, 53–6 passim (25 ref.)

[Cytokines: present and future therapeutic applications] De Benedetti F, et al. **G Ital Chemioter** 1989 Jan–Dec; 36(1–3):17–27 (72 ref.) (Eng. Abstr.) **(Ita)**

[Palliative therapy in cancer. 6. Quality of life and BRM therapy in cancer–patients] Urushizaki I. **Gan To Kagaku Ryoho** 1990 Oct;17(10):2119–29 (29 ref.) (Eng. Abstr.) **(Jpn)**

[Immunotherapy of urothelial neoplasms. Experimental and clinical implications of alpha interferon] Carballido J, et al. **Arch Esp Urol** 1990;43 Suppl 2:149–58 (62 ref.) **(Spa)**

BIOLOGICAL SCIENCES

METHODS

Use of nuclear physics methods in life sciences in the USSR. Kist AA. **Biol Trace Elem Res** 1990 Jul–Dec;26–27:661–70 (12 ref.)

BIOLOGICAL TRANSPORT

see related
CELL MEMBRANE PERMEABILITY
MUCOCILIARY CLEARANCE
PERMEASES

Transport systems encoded by bacterial plasmids. Tisa LS, et al. **J Bioenerg Biomembr** 1990 Aug;22(4):493–507 (85 ref.)

The polymeric immunoglobulin receptor. A model protein to study transcytosis. Apodaca G, et al. **J Clin Invest** 1991 Jun;87(6):1877–82 (42 ref.)

Epithelial transport: an introduction. Ullrich KJ. **Methods Enzymol** 1990;191:1–4 (0 ref.)

Perforated cell systems to study membrane transport. Featherstone C. **Trends Biochem Sci** 1988 Aug;13(8):284–6 (17 ref.)

PHYSIOLOGY

Endocytosis and transcytosis. Rodman JS, et al. **Curr Opin Cell Biol** 1990 Aug;2(4):664–72 (13 ref.)

BIOLOGICAL TRANSPORT, ACTIVE

The role of ATP in binding-protein-dependent transport systems. Higgins CF. **Res Microbiol** 1990 Mar–Apr; 141(3):353–60 (46 ref.)

Osmochemistry of solute translocation. Mitchell P. **Res Microbiol** 1990 Mar–Apr;141(3):286–9 (12 ref.)

Evolution of permease diversity and energy-coupling mechanisms: an introduction. Saier MH Jr. **Res Microbiol** 1990 Mar–Apr;141(3):281–6 (8 ref.)

PHYSIOLOGY

Theory of active transport across frog skin and other bifacial cell systems: a subsidiary of the association-induction hypothesis. Ling GN. **Scanning Microsc** 1990 Sep; 4(3):723–9; discussion 729–36 (29 ref.)

BIOLOGICAL WARFARE

Present state of control of chemical and biological weapons. Freeman SE. **Med War** 1991 Jan–Mar;7(1):16–20 (6 ref.)

Treatment of chemical and biological warfare injuries: insights derived from the 1984 Iraqi attack on Majnoon Island. Kadivar H, et al. **Mil Med** 1991 Apr;156(4):171–7 (20 ref.)

Terrorism and biological weapons: inevitable alliance? Zilinskas RA. **Perspect Biol Med** 1990 Autumn;34(1):44–72 (46 ref.)

BIOLOGICS see **BIOLOGICAL PRODUCTS**

BIOLOGY

Has modern biology entered the mouth? The clinical impact of biological research. Baum BJ. **J Dent Educ** 1991 May; 55(5):299–303 (23 ref.)

[The revolution of chaos. Chaos and biology] Bru Villaseca L. **An R Acad Nac Med (Madr)** 1990;107(2):339–51 (9 ref.) **(Spa)**

BIOLUMINESCENT PROTEINS see **LUMINESCENT PROTEINS**

BIOMASS see **ECOLOGY**

BIOMATERIALS see **BIOCOMPATIBLE MATERIALS**

BIOMECHANICS

[Tribologic study of hip prostheses] Teinturier P, et al. **Rev Chir Orthop** 1990;76(6):383–90 (26 ref.) (Eng. Abstr.) **(Fre)**

BIOMEDICAL ENGINEERING

see related
ELECTRONICS, MEDICAL
MEDICAL INFORMATICS APPLICATIONS

Biomedical signal processing (in four parts). Part 2. The frequency transforms and their inter-relationships. Challis RE, et al. **Med Biol Eng Comput** 1991 Jan;29(1):1–17 (9 ref.)

INSTRUMENTATION

Status of medical engineering technology assessment in Japan. Kikuchi M. **Front Med Biol Eng** 1991;3(1):3–15 (9 ref.)

Rehabilitation engineering in pediatrics. Milner M, et al. **Pediatrician** 1990;17(4):287–96 (10 ref.)

METHODS

Biomedical signal processing (in four parts). Part 1. Time-domain methods. Challis RE, et al. **Med Biol Eng Comput** 1990 Nov;28(6):509–24 (12 ref.)

STANDARDS

On the establishment of the Japanese Industrial Standard (JIS) T1011--Glossary of Terms used in Medical Electrical Equipment (General Terms). Kikuchi M. **Front Med Biol Eng** 1990;2(4):245–8 (0 ref.)

BIOMEDICAL RESEARCH see **RESEARCH**

BIOMEDICAL TECHNOLOGY see **TECHNOLOGY, MEDICAL**

BIOMETRY

HISTORY

R.A. Fisher's contributions to genetical statistics. Thompson EA. **Biometrics** 1990 Dec;46(4):905–14 (65 ref.)

BIOMODULATORS see **BIOLOGICAL RESPONSE MODIFIERS**

BIONATOR see **ACTIVATOR APPLIANCES**

BIONICS

see related
CYBERNETICS

BIONOMICS see **ECOLOGY**

BIOPERIODICITY see **PERIODICITY**

BIOPHARMACEUTICS

see related
DRUG COMPOUNDING

French and/or European perspectives on biopharmaceutical characterization of drug dosage forms. Aiache JM. **J Pharm Biomed Anal** 1990;8(6):499–506 (10 ref.)

METHODS

Validation of bioanalytical methods. Karnes HT, et al. **Pharm Res** 1991 Apr;8(4):421–6 (21 ref.)

BIOPHYSICS

METHODS

Ultrasonic velocimetry of biological compounds. Sarvazyan AP. **Annu Rev Biophys Biophys Chem** 1991;20:321–42 (135 ref.)

Determination of mechanical properties of human femoral cortical bone by the Hopkinson bar stress technique. Katsamanis F, et al. **J Biomech** 1990;23(11):1173–84 (26 ref.)

BIOPOLYMERS

The biotinylcellulose-avidin system. A model for interaction between solid-phase ligands and multivalent high molecular weight ligates. Goldstein L, et al. **Ann N Y Acad Sci** 1990;613:54–67 (27 ref.)

Applications of multinuclear NMR in the solid state to structural and dynamical problems in macromolecular chemistry. Bryant RG, et al. **Basic Life Sci** 1990;56:255–71 (27 ref.)

Mechanical properties of cytoskeletal polymers. Janmey PA. **Curr Opin Cell Biol** 1991 Feb;3(1):4–11 (51 ref.)

Plastics and synthetic fibres from microorganisms: a dream or a potential reality? Griffin M, et al. **Microbiol Sci** 1987 Dec;4(12):357–61 (28 ref.)

BIOPROBES see **BIOSENSORS**

BIOPROSTHESIS

Systemic effects of implanted prostheses made of cobalt-chromium alloys. Michel R, et al. **Arch Orthop Trauma Surg** 1991;110(2):61–74 (47 ref.)

Mitral valve replacement: mechanical versus bioprosthetic valves--a clinical review. Rao V, et al. **Can J Cardiol** 1991 Jul–Aug;7(6):259–64 (35 ref.)

Long-term results of aortic valve replacement. Crumbley AJ 3d, et al. **Cardiol Clin** 1991 May;9(2):353–80 (161 ref.)

Choosing a prosthetic heart valve. Wernly JA, et al. **Cardiol Clin** 1991 May;9(2):329–38 (48 ref.)

Nonsurgical treatment of Histoplasma endocarditis involving a bioprosthetic valve. Kanawaty DS, et al. **Chest** 1991 Jan; 99(1):253–6 (18 ref.)

The evolution and development of biologic arterial grafts. Rosenberg N. **J Invest Surg** 1989;2(1):3–6 (31 ref.)

Pregnancy and childbearing in a population with biologic valvular prostheses. Badduke BR, et al. **J Thorac Cardiovasc Surg** 1991 Aug;102(2):179–86 (25 ref.)

Endocarditis due to Trichosporon beigelii: in vitro susceptibility of isolates and review. Keay S, et al. **Rev Infect Dis** 1991 May–Jun;13(3):383–6 (34 ref.)

[Late occlusive thrombosis of mitral prosthesis with sinus rhythm. Report of two surgically treated patients] Tabone X, et al. **Ann Cardiol Angeiol (Paris)** 1990 Oct;39(8):467–70 (9 ref.) (Eng. Abstr.) **(Fre)**

[Mid-term results of heart valve replacement with 2 types of pericardial heterograft. Apropos of 208 cases] Michel PL, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):785–91 (29 ref.) (Eng. Abstr.) **(Fre)**

[A case report of isolated congenital tricuspid regurgitation] Nakakura H, et al. **Kyobu Geka** 1990 Aug;43(9):733–5 (9 ref.) (Eng. Abstr.) **(Jpn)**

[Heart valve diseases (XVIII). The mechanical versus biological prosthesis controversy in 1991] Martínez-Caro D, et al. **Rev Esp Cardiol** 1991 May;44(5):330–40 (85 ref.) **(Spa)**

BIOPSY

Endomyocardial biopsy in dilated cardiomyopathy and myocarditis: which role? Camerini F, et al. **Int J Cardiol** 1991 Apr;31(1):1–8 (72 ref.)

The use of biopsy in the evaluation of pediatric nasopharyngeal masses. Burkey B, et al. **Int J Pediatr Otorhinolaryngol** 1990 Nov;20(2):169–79 (18 ref.)

[Value of biopsy of accessory salivary glands for the diagnosis of amyloidosis] Hachulla E, et al. **Rev Med Interne** 1990 Jul–Aug;11(4):329–32 (13 ref.) (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

[Coronary artery-right ventricular fistula in a patient with heart transplantation. A complication of endomyocardial biopsy] Lefèvre T, et al. **Arch Mal Coeur** 1990 Oct; 83(11):1713–8 (10 ref.) (Eng. Abstr.) **(Fre)**

[For or against renal biopsy after 65 years] Rifle G, et al. **Nephrologie** 1990;11(5):301–6 (36 ref.) (Eng. Abstr.) **(Fre)**

METHODS

Safety of the transbronchial biopsy in outpatients. Hernández Blasco L, et al. **Chest** 1991 Mar;99(3):562–5 (31 ref.)

Biopsies in patients with intrathoracic disease. Lillington GA, et al. **Clin Rev Allergy** 1990 Summer-Fall;8(2–3):333–60 (133 ref.)

Bone marrow trephine interpretation: diagnostic utility and potential pitfalls. De Wolf-Peeters C. **Histopathology** 1991 Jun;18(6):489–93 (54 ref.)

Imaging-guided percutaneous abdominal biopsy. Gazelle GS, et al. **Oncology (Williston Park)** 1991 Jun;5(6):27–38; discussion 38, 43, 46 (95 ref.)

[From biopsy diagnosis to pretherapeutic staging] Pickel H, et al. **Gynakol Rundsch** 1990;30 Suppl 1:131–4 (0 ref.) **(Ger)**

[Interactive tumor diagnosis: pathology and oncology] Gebbers JO, et al. **Schweiz Rundsch Med Prax** 1991 Feb 26;80(9):190–2 (16 ref.) (Eng. Abstr.) **(Ger)**

[Regeneration capacity of the iliac crest after spongiosa removal in humans--induction by phosphate ceramics?] Roesgen M. **Unfallchirurgie** 1991 Feb;17(1):44–59 (94 ref.) (Eng. Abstr.) **(Ger)**

[Endoscopic biopsy diagnosis of diffuse interstitial lung diseases] Ballin A. **Z Gesamte Inn Med** 1990 Oct 1; 45(19):569–72 (13 ref.) (Eng. Abstr.) **(Ger)**

[Transjugular liver biopsy: when and how?] Baruch Y, et al. **Harefuah** 1990 Nov 15;119(10):338–9 (26 ref.) **(Heb)**

[Open renal biopsy in childhood] Ruiz de Temiño M, et al. **Cir Pediatr** 1988 Jul;1(3):131–3 (13 ref.) (Eng. Abstr.) **(Spa)**

BIOPSY, CHORIONIC VILLI see **CHORIONIC VILLI SAMPLING**

BIOPSY, NEEDLE

Fine needle aspiration in the diagnosis of liver neoplasms: a review. Houn HY, et al. **Ann Clin Lab Sci** 1991 Jan–Feb; 21(1):2–11 (48 ref.)

Fine needle aspiration biopsy in the diagnosis of lymphoma. Suhrland MJ, et al. **Cancer Invest** 1991;9(1):61–8 (47 ref.)

Aspiration cytology of breast. Hajdu SI, et al. **Clin Lab Med** 1991 Jun;11(2):357–68 (26 ref.)

Fine-needle aspiration biopsy in renal transplantation: a review of cytologic features. Egidi MF. **Diagn Cytopathol** 1990;6(5):330–5 (51 ref.)

Survey of aspiration biopsy cytology of the breast. Kline TS. **Diagn Cytopathol** 1991;7(1):98–105 (54 ref.)

Diagnosis of salivary gland tumors by fine-needle aspiration cytology: a review of clinical utility and pitfalls. Layfield LJ, et al. **Diagn Cytopathol** 1991;7(3):267–72 (29 ref.)

Aspiration biopsy of the prostate gland: a brief review of collection, fixation, and pattern recognition with special attention to benign and malignant prostatic epithelium. Maksem JA, et al. **Diagn Cytopathol** 1990;6(4):258–66 (13 ref.)

The use of the diff-quik stain in the immediate interpretation of fine-needle aspiration biopsies. Silverman JF, et al. **Diagn Cytopathol** 1990;6(5):366–9 (16 ref.)

Recurrent multifocal adult rhabdomyoma diagnosed by fine-needle aspiration cytology: report of a case and review of the literature. Walker WP, et al. **Diagn Cytopathol** 1990; 6(5):354–8 (20 ref.)

Fine needle aspiration cytology: utilization in pediatric pathology. Layfield LJ, et al. **Dis Markers** 1990 Nov–Dec; 8(6):301–15 (60 ref.)

Nonoperative techniques for tissue diagnosis in the management of thyroid nodules and goiters. Clark KC, et al. **Semin Surg Oncol** 1991 Mar–Apr;7(2):76–80 (38 ref.)

[Ultrasound-guided needle biopsy in non-palpable breast lesions. Technic, evaluation, management—72 cases] Lahaye C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991; 20(1):41–9 (16 ref.) (Eng. Abstr.) **(Fre)**

[Optimal sampling for diagnostic and prognostic purposes before first-line chemotherapy of breast cancer] Tubiana-Hulin M, et al. **Presse Med** 1991 Jun 15; 20(23):1079–82 (18 ref.) (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Necrosis of a Hürthle cell tumor of the thyroid following fine needle aspiration. Case report and literature review. Keyhani-Rofagha S, et al. **Acta Cytol** 1990 Nov–Dec; 34(6):805–8 (16 ref.)

Complications of percutaneous abdominal fine-needle biopsy. Review. Smith EH. **Radiology** 1991 Jan;178(1):253–8 (52 ref.)

INSTRUMENTATION

Biopsy needle characteristics. Gazelle GS, et al. **Cardiovasc Intervent Radiol** 1991 Jan–Feb;14(1):13–6 (34 ref.)

[Large bore needle biopsy is still indicated in the diagnosis of abdominal tumors] Seitz JF, et al. **Gastroenterol Clin Biol** 1991;15(4):360–2 (14 ref.) **(Fre)**

[Cytological diagnosis of the breast. Aspiration technics] Croce P, et al. **Minerva Ginecol** 1991 Jan–Feb; 43(1–2):47–51 (43 ref.) (Eng. Abstr.) **(Ita)**

METHODS

Transthoracic needle aspiration. The benign diagnosis. Fraser RS. **Arch Pathol Lab Med** 1991 Aug;115(8):751–61 (58 ref.)

The cytopathology of benign breast disease: criteria for diagnosis and an assessment of accuracy. Herbert AP. **Br J Clin Pract Symp Suppl** 1989 Nov;68:11–6; discussion 23–5 (15 ref.)

Interventional ultrasound. Holm HH. **Br J Radiol** 1991 May; 64(761):379–85 (36 ref.)

Cytological vs histological evaluation of percutaneous biopsies. Böcking A. **Cardiovasc Intervent Radiol** 1991 Jan–Feb;14(1):5–12 (56 ref.)

Percutaneous skeletal biopsy. Carrasco CH, et al. **Cardiovasc Intervent Radiol** 1991 Jan–Feb;14(1):69–72 (35 ref.)

Percutaneous aspiration for hormone levels in the diagnosis of functioning endocrine tumors. Doppman JL. **Cardiovasc Intervent Radiol** 1991 Jan–Feb;14(1):73–7 (13 ref.)

Percutaneous biopsies of the breast: state of the art. Fornage BD. **Cardiovasc Intervent Radiol** 1991 Jan–Feb;14(1):29–39 (50 ref.)

CT-guided transthoracic needle biopsy. Gardner D, et al. **Cardiovasc Intervent Radiol** 1991 Jan–Feb;14(1):17–23 (35 ref.)

Percutaneous lymph node biopsy. Lawrence DD, et al. **Cardiovasc Intervent Radiol** 1991 Jan–Feb;14(1):55–62 (54 ref.)

Percutaneous biopsy of pancreatic lesions. Neuerburg J, et al. **Cardiovasc Intervent Radiol** 1991 Jan–Feb;14(1):43–9 (71 ref.)

Percutaneous renal and adrenal biopsies. Vassiliades VG, et al. **Cardiovasc Intervent Radiol** 1991 Jan–Feb;14(1):50–4 (28 ref.)

Mammographically guided fine-needle aspiration cytology of nonpalpable breast lesions. Jackson VP. **Curr Opin Radiol** 1990 Oct;2(5):741–5 (11 ref.)

An approach to fine-needle aspiration biopsy diagnosis of hepatic masses. Bottles K, et al. **Diagn Cytopathol** 1991; 7(2):204–10 (36 ref.)

Ultrasound and ultrasonically guided biopsy in oncohematology. Buscarini L, et al. **Haematologica** 1991 Jan–Feb;76(1):53–64 (148 ref.)

Evaluating cervical cone biopsy specimens with frozen sections at hysterectomy. Neiger R, et al. **J Reprod Med** 1991 Feb;36(2):103–7 (28 ref.)

Ultrasound-guided aspiration cytology of renal expansions. Tikkakoski T, et al. **Rontgenblatter** 1990 Dec;43(12):502–6 (50 ref.)

Fine-needle aspiration biopsy in the monitoring of liver allografts. Lautenschlager I, et al. **Transpl Int** 1991 Apr; 4(1):54–61 (41 ref.)

[Unexplained fever or inflammatory syndrome. Diagnostic value of liver puncture-biopsy] Henrion J, et al. **Presse Med** 1991 Mar 16;20(10):461–4 (22 ref.) (Eng. Abstr.) **(Fre)**

[Interventional ultrasonography in gastroenterology has become therapeutic] Schönenberg P, et al. **Rev Med Suisse Romande** 1991 Jun;111(6):511–30 (122 ref.) **(Fre)**

[The value of aspiration cytology of the breast] Schöndorf H. **Gynakologe** 1990 Dec;23(6):349–57 (38 ref.) **(Ger)**

STANDARDS

Fine-needle aspiration biopsy cytology of the thyroid. Its value and limitations in the diagnosis and management of solitary thyroid nodules. Nguyen GK, et al. **Pathol Annu** 1991;26 Pt 1:63–91 (40 ref.)

The accuracy of malignant diagnoses established by fine needle aspiration cytologic procedures of mammary masses. Nicastri GR, et al. **Surg Gynecol Obstet** 1991 Jun; 172(6):457–60 (20 ref.)

BIOPTERIN

ANALOGS & DERIVATIVES

Neopterin and beta 2-microglobulin as prognostic indices in human immunodeficiency virus type 1 infection. Fuchs D, et al. **Infection** 1991;19 Suppl 2:S98–102 (32 ref.)

[Neopterin, a marker for activation of cellular immunity] Lambin P, et al. **Rev Fr Transfus Hemobiol** 1990 Dec; 33(6):415–26 (51 ref.) **(Fre)**

BIORHYTHMS see **PERIODICITY**

BIOSENSORS

Biosensors and the transduction of molecular recognition. Thompson M, et al. **Anal Chem** 1991 Apr 1; 63(7):393A–405A (36 ref.)

Analytical aspects of internal signal processing in biosensors. Scheller FW, et al. **Ann N Y Acad Sci** 1990;613:68–78 (18 ref.)

Biosensor trends. Receptors, enzymes, and antibodies. Wingard LB Jr. **Ann N Y Acad Sci** 1990;613:44–53 (25 ref.)

Biosensor-based instrumentation. Coulet PR, et al. **Biochem Soc Trans** 1991 Feb;19(1):1–4 (15 ref.)

Calorimetric biosensors. Danielsson B. **Biochem Soc Trans** 1991 Feb;19(1):26–8 (8 ref.)

Complex sensor systems: odour detection by the sense of smell and by electronic noses. Dodd G, et al. **Biochem Soc Trans** 1991 Feb;19(1):36–9 (16 ref.)

Prospects for nucleic acid biosensors. Downs ME. **Biochem Soc Trans** 1991 Feb;19(1):39–43 (21 ref.)

Microbial biosensors for environmental monitoring. Gaisford WC, et al. **Biochem Soc Trans** 1991 Feb;19(1):13–8 (7 ref.)

Electrochemical biosensors for extracorporeal measurements. Palleschi G, et al. **Biochem Soc Trans** 1991 Feb;19(1):5–9 (19 ref.)

Dielectric-based biosensors. Pethig R. **Biochem Soc Trans** 1991 Feb;19(1):21–5 (16 ref.)

Optical immunosensors. Robinson GA. **Biochem Soc Trans** 1991 Feb;19(1):18–20 (21 ref.)

Biological receptors in biosensors. Rowell FJ. **Biochem Soc Trans** 1991 Feb;19(1):32–5 (18 ref.)

Biosensors in organic phases. Saini S, et al. **Biochem Soc Trans** 1991 Feb;19(1):28–31 (12 ref.)

Problems of clinical data interpretation. Vadgama P, et al. **Biochem Soc Trans** 1991 Feb;19(1):11–5 (24 ref.)

Piezoelectric-based biosensors. Walton PW, et al. **Biochem Soc Trans** 1991 Feb;19(1):44–8 (17 ref.)

Biosensors for intracorporeal measurements: problems and strategies. Wilson GS, et al. **Biochem Soc Trans** 1991 Feb; 19(1):9–11 (9 ref.)

Optical immunosensing systems—meeting the market needs. Robinson GA. **Biosens Bioelectron** 1991;6(3):183–91 (30 ref.)

Lipid bilayer-based sensors and biomolecular electronics. Tien HT, et al. **Crit Rev Biomed Eng** 1991;18(5):323–40 (133 ref.)

Fundamentals of glucose sensors. Fischer U. **Diabetic Med** 1991 May;8(4):309–21 (105 ref.)

The glucose sensor: the missing link in diabetes therapy. Pfeiffer EF. **Horm Metab Res Suppl** 1990;24:154–64 (33 ref.)

In vivo voltammetry with micro-biosensors for analysis of neurotransmitter release and metabolism. Crespi F. **J Neurosci Methods** 1990 Sep;34(1–3):53–65 (26 ref.)

Optically-based chemical and biochemical sensors for the detection of some drugs and biological compounds. Coulet PR, et al. **J Pharm Biomed Anal** 1989;7(12):1361–76 (59 ref.)

Biosensor applications to antitachycardia devices. Cohen TJ, et al. **PACE** 1991 Feb;14(2 Pt 2):322–8 (25 ref.)

Enzyme electrodes in clinical analysis. Cardosi MF. **Scand J Clin Lab Invest Suppl** 1990;202:27–31 (14 ref.)

[Biological sensors, their use in medicine and biotechnology] Krivoshein IuS, et al. **Antibiot Khimioter** 1991 Mar; 36(3):51–4 (61 ref.) **(Rus)**

[Biosensors and rate-responsive cardiac pacing] Rodríguez García J, et al. **Rev Esp Cardiol** 1990;43 Suppl 2:58–66 (39 ref.) (Eng. Abstr.) **(Spa)**

BIOSTATISTICS see **BIOMETRY**

BIOSYNTHETIC PROTEINS see **RECOMBINANT PROTEINS**

BIOTECHNOLOGY

see related
GENETIC ENGINEERING
RECOMBINANT PROTEINS

An environmental assessment of biotechnological processes. Thakur MS, et al. **Adv Appl Microbiol** 1991;36:67–86 (90 ref.)

Algal biotechnology. Cannell RJ. **Appl Biochem Biotechnol** 1990 Oct;26(1):85–105 (111 ref.)

Safety aspects in biotechnology. Classifications and safety precautions for handling of biological agents. Frommer W, et al. **Arzneimittelforschung** 1990 Jul;40(7):837–42 (5 ref.)

Nuclear magnetic resonance spectroscopy of dense cell populations for metabolic studies and bioreactor engineering: a synergistic partnership. Dale BE, et al. **Biotechnology** 1991;17:107–18 (17 ref.)

Bioreactor control and optimization. Glacken MW. **Biotechnology** 1991;17:373–404 (51 ref.)

Diffusion and convection in membrane bioreactors. Heath CA, et al. **Biotechnology** 1991;17:357–71 (32 ref.)

Regulation of animal cell metabolism in bioreactors. Miller WM, et al. **Biotechnology** 1991;17:119–61 (164 ref.)

Implications of cell biology in animal cell biotechnology. Prokop A. **Biotechnology** 1991;17:21–58 (146 ref.)

Scaleup of animal cell suspension culture. Rhodes M, et al. **Biotechnology** 1991;17:253–68 (29 ref.)

On making nature safe for biotechnology. Sagoff M. **Biotechnology** 1991;15:341–65 (49 ref.)

An overview of animal cell biotechnology: the conjoint application of science, art, and engineering. Spier RE. **Biotechnology** 1991;17:3–18 (22 ref.)

Microcarriers for animal cell biotechnology: an unfulfilled potential. Spier RE, et al. **Biotechnology** 1991;17:191–212 (64 ref.)

Ecological risk analysis of biotechnological waste decontamination. Thrall AD, et al. **Biotechnology** 1991; 15:325–39 (35 ref.)

Engineering considerations for the application of extremophiles in biotechnology. Ludlow JM, et al. **Crit Rev Biotechnol** 1991;10(4):321–45 (175 ref.)

The application of biotechnology to the treatment of wastes produced from the nuclear fuel cycle: biodegradation and bioaccumulation as a means of treating radionuclide-containing streams. Macaskie LE. **Crit Rev Biotechnol** 1991;11(1):41–112 (278 ref.)

DNA fingerprinting; a biotechnology in business. Debenham PG. **Experientia Suppl** 1991;58:342–8 (3 ref.)

Applications for biotechnology: present and future improvements in lactic acid bacteria. McKay LL, et al. **FEMS Microbiol Rev** 1990 Sep;7(1–2):3–14 (91 ref.)

Has modern biology entered the mouth? The clinical impact of biological research. Baum BJ. **J Dent Educ** 1991 May; 55(5):299–303 (23 ref.)

Analytical challenges to the pharmaceutical industry in developing products of biotechnology. Dicken CM, et al. **J Pharm Biomed Anal** 1989;7(9):1071–6 (25 ref.)

Biotechnology and the American agricultural industry. Council on Scientific Affairs, American Medical Association [see comments] **JAMA** 1991 Mar 20; 265(11):1429–36 (73 ref.) Comment in: JAMA 1991 Jul 17;266(3):362–3.

Design features of a biotechnology laboratory environment. Baum JS. **Occup Med** 1991 Apr–Jun;6(2):227–54 (48 ref.)

An overview of biotechnology. Demain AL. **Occup Med** 1991 Apr–Jun;6(2):157–68 (55 ref.)

Chemical hazards in the biotechnology industry. Ducatman AM, et al. **Occup Med** 1991 Apr–Jun;6(2):193–208 (50 ref.)

Radiation safety in biological research laboratories. Galanek MS. **Occup Med** 1991 Apr–Jun;6(2):255–69 (15 ref.)

Agricultural biotechnology: occupational health and regulatory issues. Glass DJ. **Occup Med** 1991 Apr–Jun; 6(2):301–10 (19 ref.)

Medical surveillance in the biotechnology industry. Goldman RH. **Occup Med** 1991 Apr–Jun;6(2):209–25 (69 ref.)

Containment considerations for the biotechnology industry. Liberman DF, et al. **Occup Med** 1991 Apr–Jun;6(2):271–83 (17 ref.)

Risk assessment of biological hazards in the biotechnology industry. Liberman DF, et al. **Occup Med** 1991 Apr–Jun; 6(2):285–99 (51 ref.)

Physical hazards from start-up to manufacturing. Liffers M. **Occup Med** 1991 Apr–Jun;6(2):183–91 (24 ref.)

Cancer hazards in the recombinant laboratory. Stark AA. **Occup Med** 1991 Apr–Jun;6(2):311–21 (33 ref.)

Application of biotechnology for the diagnosis and control of ticks and tick-borne diseases. Stiller D. **Parassitologia** 1990 Apr;32(1):87–111 (125 ref.)

Biotechnology and biosynthesis of quinones. Van den Berg AJ. **Pharm Weekbl [Sci]** 1991 Apr 26;13(2):74–7 (34 ref.)

Medicinal plant biotechnology. Constabel F. **Planta Med** 1990 Oct;56(5):421–5 (67 ref.)

Genetic screening for the next decade: application of present and new technologies. McCabe ER. **Yale J Biol Med** 1991 Jan–Feb;64(1):9–14 (32 ref.)

[Directions of an ethic in genetic engineering: evaluation of an ethic for biotechnology] Irrgang B. **Naturwissenschaften** 1990 Dec;77(12):569–77 (16 ref.) (Eng. Abstr.) **(Ger)**

[Biological sensors, their use in medicine and biotechnology] Krivoshein IuS, et al. **Antibiot Khimioter** 1991 Mar; 36(3):51–4 (61 ref.) **(Rus)**

INSTRUMENTATION

Fixed immobilized beds for the cultivation of animal cells. Griffiths B, et al. **Biotechnology** 1991;17:165–90 (71 ref.)

Instrumentation of animal cell culture reactors. Scheirer W, et al. **Biotechnology** 1991;17:405–43 (116 ref.)

LEGISLATION & JURISPRUDENCE

The regulation of biological products. Brown KR. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):502–5 (7 ref.)

METHODS

Biotechnology as applied to vectors and vector control. Meredith SE, et al. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:113–8 (25 ref.)

Biotechnology of vaccine development. Liew FY. **Biotechnol Genet Eng Rev** 1990;8:53–95 (236 ref.)

Large-scale process purification of clinical product from animal cell cultures. Prior CP. **Biotechnology** 1991; 17:445–78 (48 ref.)

Current state of the hybridoma technology. Pirofski L, et al. **J Clin Immunol** 1990 Nov;10(6 Suppl):5S–12S; discussion 12S–14S (50 ref.)

A short review of biotechnological methods of relevance to modern vaccine development. Helland DE, et al. **Scand J Infect Dis Suppl** 1990;76:32–8 (13 ref.)

[Purification and reconstitution of membrane carrier proteins] Szewczyk A, et al. **Postepy Biochem** 1989;35(4):469–92 (180 ref.) **(Pol)**

STANDARDS

Training in biotechnology. Assuring worker safety through information and instruction. Van Houten J. **Occup Med** 1991 Apr–Jun;6(2):169–82 (18 ref.)

TRENDS

Biotechnology: its impact on medicine and oncology. Borden EC. **Ann Acad Med Singapore** 1991 Mar;20(2):255–9 (17 ref.)

New opportunities in food technology created by biotechnology. Enari TM. **Bibl Nutr Dieta** 1990;(47):6–11 (15 ref.)

Biotechnology in Australia: promise of performance? Stevenson I. **Microbiol Sci** 1987 Feb;4(2):40–4 (33 ref.)

[The lipids of mycelial fungi and the prospects for the development of microbial oleo-biotechnology. I. The lipids of mycelial fungi] Feofilova EP. **Biol Nauki** 1990;(11):5–25 (81 ref.) (Eng. Abstr.) **(Rus)**

[The status of and outlook for the development of a raw materials base for the manufacture of culture media] Smirnova GA. **Zh Mikrobiol Epidemiol Immunobiol** 1991 May;(5):63–7 (52 ref.) **(Rus)**

BIOTIN

The biotinylcellulose-avidin system. A model for interaction between solid-phase ligands and multivalent high molecular weight ligates. Goldstein L, et al. **Ann N Y Acad Sci** 1990;613:54–67 (27 ref.)

The biotin-(strept)avidin system: principles and applications in biotechnology. Diamandis EP, et al. **Clin Chem** 1991 May;37(5):625–36 (106 ref.)

DEFICIENCY

[Vitamins and immunity. Biotin, pantothenic acid and riboflavin] Pletsityĭ KD. **Vopr Pitan** 1990 Jul–Aug; (4):18–22 (55 ref.) **(Rus)**

DIAGNOSTIC USE

Monoclonal antibody pretargetting techniques for tumour localization: the avidin-biotin system. International Workshop on Techniques for Amplification of Tumour Targetting. Paganelli G, et al. **Nucl Med Commun** 1991 Mar;12(3):211–34 (102 ref.)

METABOLISM

Biotin in animal nutrition. **Nutr Rev** 1990 Sep;48(9):352–5 (11 ref.)

BIOTRANSFORMATION

Cytochrome P-450 oxidations and the generation of biologically reactive intermediates. Guengerich FP, et al. **Adv Exp Med Biol** 1991;283:1–11 (56 ref.)

Formation of reactive intermediates by phase II enzymes: glutathione-dependent bioactivation reactions. Vamvakas S, et al. **Adv Exp Med Biol** 1991;283:13–24 (78 ref.)

Analysis of multiscale biochemical systems: graph methods. Reder C. **Biomed Biochim Acta** 1990;49(8–9):671–80 (6 ref.)

Bioactivation of xenobiotics by formation of toxic glutathione conjugates. Koob M, et al. **Chem Biol Interact** 1991; 77(2):107–36 (189 ref.)

[The system of procarcinogen activation in Drosophila] Fuks SIu, et al. **Vopr Onkol** 1990;36(8):911–7 (27 ref.) **(Rus)**

PHYSIOLOGY

Cytochrome P-450 monooxygenases and interactions of psychotropic drugs. Shen WW, et al. **Int J Psychiatry Med** 1991;21(1):47–56 (52 ref.)

BIOTYPING see **BACTERIAL TYPING TECHNIQUES**

BIPHENYL COMPOUNDS

PHARMACOLOGY

Nonpeptide angiotensin II receptor antagonists. Timmermans PB, et al. **Am J Hypertens** 1990 Aug;3(8 Pt 1):599–604 (21 ref.)

BIPOLAR DISORDER

COMPLICATIONS

Coexistence of bulimia nervosa and mania: a literature review and case report. Shisslak CM, et al. **Compr Psychiatry** 1991 Mar–Apr;32(2):181–4 (40 ref.)

Tardive dyskinesia in bipolar disorders: possible role of pineal melatonin. Sandyk R. **Int J Neurosci** 1990 Jun; 52(3–4):233–8 (56 ref.)

DIAGNOSIS

Sleep disturbance in depression reconsidered. Southmayd SE, et al. **Can J Psychiatry** 1991 Jun;36(5):366–73 (49 ref.)

Affective disorder and physical illness in old age. Philpott RM. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:7–20 (90 ref.)

Diagnostic issues in depression in old age. Wattis JP. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:1–6 (7 ref.)

Cycloid psychoses as atypical psychoses: 'concordance' and 'discordance'. Fukuda T. **Psychopathology** 1990; 23(4–6):253–8 (24 ref.)

Development and structure of the DCR Budapest-Nashville. Pethö B. **Psychopathology** 1990;23(4–6):316–30 (54 ref.)

Cycloid psychoses and schizoaffective psychoses--a comparison of different diagnostic classification systems and criteria. Zaudig M. **Psychopathology** 1990; 23(4–6):233–42 (43 ref.)

Gender differences in affective, schizoaffective, and schizophrenic disorders. A review. Bardenstein KK, et al. **Schizophr Res** 1990 May–Jun;3(3):159–72 (115 ref.)

DRUG THERAPY

Antiepileptic drugs in affective illness. Clinical and theoretical implications. Post RM, et al. **Adv Neurol** 1991; 55:239–77 (207 ref.)

Perspectives on bipolar illness. Cook BL, et al. **Compr Ther** 1990 Dec;16(12):18–23 (24 ref.)

Lithium treatment during pregnancy, delivery, and lactation: an update. Schou M. **J Clin Psychiatry** 1990 Oct; 51(10):410–3 (27 ref.)

Prodromal symptoms and intermittent drug medication in mood disorders. Fava GA, et al. **Pharmacopsychiatry** 1991 Jan;24(1):28–30 (16 ref.)

Lithium administered by eye drops: a better treatment for bipolar affective disorder? Schreiber G, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1991; 15(3):315–21 (26 ref.)

Psychotic affective disorders: assessment and treatment issues. Janicak PG, et al. **Psychiatr Med** 1991;9(1):115–32 (52 ref.)

Clinical pharmacology and Leonhard's classification of endogenous psychoses. Ban TA. **Psychopathology** 1990; 23(4–6):331–8 (36 ref.)

[Lithium treatment and kidney function] Schou M. **Ugeskr Laeger** 1990 Aug 13;152(33):2343–5 (15 ref.) (Eng. Abstr.) **(Dan)**

[Carbamazepine in the treatment of mania and prevention of recurrence of manic-depressive disorders] Finzen A. **Psychiatr Prax** 1991 Jan;18(1):1–8 (41 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

Bipolar disorder: epidemiology, course, diagnosis, and treatment. Keller MB, et al. **Bull Menninger Clin** 1991 Spring;55(2):172–81 (39 ref.)

GENETICS

Genetics of manic depressive illness: current status and evolving concepts. Baron M. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:153–64 (42 ref.)

Variable expression in the functional psychoses. A comparison with Huntington's disease. Ridley RM, et al. **Schizophr Res** 1990 May–Jun;3(3):201–10 (95 ref.)

Genetic mapping of common diseases: the challenges of manic-depressive illness and schizophrenia. Gershon ES, et al. **Trends Genet** 1990 Sep;6(9):282–7 (35 ref.)

METABOLISM

[Melatonin in seasonal affective disorder] Gu NF, et al. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1990 Oct; 23(5):306–8 (17 ref.) **(Chi)**

[Biological findings in rapid cycling syndromes] Erkwoh R, et al. **Fortschr Neurol Psychiatr** 1991 Jan;59(1):1–11 (160 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[The frontal lobe and psychoses] Goldar JC. **Acta Psiquiatr Psicol Am Lat** 1990 Jan–Jun;36(1–2):37–47 (19 ref.) (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

The thermodynamics of bipolarity: a bifurcation model of bipolar illness and bipolar character and its psychotherapeutic applications. Sabelli HC, et al. **Psychiatry** 1990 Nov;53(4):346–68 (66 ref.)

Switch processes and rapid cycling in bipolar affective disorders, cycloid psychoses and nonsystematic schizophrenia. Bräunig P. **Psychopathology** 1990; 23(4–6):291–302 (63 ref.)

THERAPY

Behavioral family treatment for patients with bipolar affective disorder. Miklowitz DJ, et al. **Behav Modif** 1990 Oct;14(4):457–89 (55 ref.)

Treating refractory depression. Standish-Barry H. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:33–43 (50 ref.)

Lithium interactions: lithium and electroconvulsive therapy. Small JG, et al. **J Clin Psychopharmacol** 1990 Oct; 10(5):346–50 (54 ref.)

NIMH workshop report on treatment of bipolar disorder. Prien RF, et al. **Psychopharmacol Bull** 1990;26(4):409–27 (108 ref.)

BIRD DISEASES

A comparison of human and animal botulism: a review. Critchley EM. **J R Soc Med** 1991 May;84(5):295–8 (29 ref.)

CHEMICALLY INDUCED

Great Lakes embryo mortality, edema, and deformities syndrome (GLEMEDS) in colonial fish-eating birds: similarity to chick-edema disease. Gilbertson M, et al. **J Toxicol Environ Health** 1991 Aug;33(4):455–520 (202 ref.)

DIAGNOSIS

Avian endoscopy. Satterfield WC. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1353–67 (20 ref.)

EPIDEMIOLOGY

Epidemiology of Great Lakes bald eagles. Colborn T. **J Toxicol Environ Health** 1991 Aug;33(4):395–453 (184 ref.)

ETIOLOGY

[Pigeon coryza--ornithosis--pigeon breeder's lung] Fritzsche K. **DTW Dtsch Tierarztl Wochenschr** 1991 Apr;98(4):120–1 (0 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Avian inflammatory response: mediation by macrophages. Klasing KC. **Poult Sci** 1991 May;70(5):1176–86 (68 ref.)

THERAPY

[Provisions for returning rehabilitated wild bird patients to the wild state] Jakoby JR, et al. **Tierarztl Prax** 1990 Oct; 18(5):503–5 (6 ref.) (Eng. Abstr.) **(Ger)**

BIRD FANCIER'S LUNG

ETIOLOGY

[Pigeon coryza--ornithosis--pigeon breeder's lung] Fritzsche K. **DTW Dtsch Tierarztl Wochenschr** 1991 Apr;98(4):120–1 (0 ref.) (Eng. Abstr.) **(Ger)**

BIRDS

Epidemiology of Great Lakes bald eagles. Colborn T. **J Toxicol Environ Health** 1991 Aug;33(4):395–453 (184 ref.)

[Provisions for returning rehabilitated wild bird patients to the wild state] Jakoby JR, et al. **Tierarztl Prax** 1990 Oct; 18(5):503–5 (6 ref.) (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

To excite a heart: a bird's view. Sommer JR, et al. **Acta Physiol Scand Suppl** 1991;599:5–21 (97 ref.)

[The "protective acid coat" of the skin of our domestic animals] Meyer W, et al. **DTW Dtsch Tierarztl Wochenschr** 1991 May;98(5):167–70 (49 ref.) (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Effects and role of estrogens in avian gonadal differentiation. Scheib D. **Differentiation** 1983;23 Suppl:S87–92 (69 ref.)

Structural aspects of gonadal differentiation in mammals and birds. Wartenberg H. **Differentiation** 1983;23 Suppl:S64–71 (37 ref.)

Embryonic sex hormones in birds. Weniger JP. **Int J Dev Biol** 1991 Mar;35(1):1–7 (101 ref.)

GENETICS

Evolutionary innovation in behavior and speciation: opportunities for behavioral neuroethology. Hoy RR. **Brain Behav Evol** 1990;36(2–3):141–53 (55 ref.)

GROWTH & DEVELOPMENT

Mechanism of neurogenesis in adult avian brain.

Alvarez-Buylla A. **Experientia** 1990 Sep 15;46(9):948-55 (80 ref.)

IMMUNOLOGY

Distribution of Thy-1 in invertebrates and ectothermic vertebrates. Cooper EL, et al. **Immunol Ser** 1989; 45:197-219 (59 ref.)

PHYSIOLOGY

Adaptations to hypoxia in birds: how to fly high. Faraci FM. **Annu Rev Physiol** 1991;53:59-70 (83 ref.)

Gordon memorial lecture. Physics and physiology of incubation. Visschedijk AH. **Br Poult Sci** 1991 Mar; 32(1):3-20 (34 ref.)

Avian brain cooling--a review. Arad Z. **J Basic Clin Physiol Pharmacol** 1990 Jan-Dec; 1(1-4):241-54 (34 ref.)

Great Lakes embryo mortality, edema, and deformities syndrome (GLEMEDS) in colonial fish-eating birds: similarity to chick-edema disease. Gilbertson M, et al. **J Toxicol Environ Health** 1991 Aug;33(4):455-520 (202 ref.)

Food-storing birds: adaptive specialization in brain and behaviour? Krebs JR. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29;329(1253):153-60 (36 ref.)

Song learning: the interface between behaviour and neuroethology. Marler P. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29; 329(1253):109-14 (58 ref.)

Song learning in birds: the relation between perception and production. Nottebohm F, et al. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29; 329(1253):115-24 (90 ref.)

Song-learning behavior: the interface with neuroethology. Marler P. **Trends Neurosci** 1991 May;14(5):199-206 (73 ref.)

Reassessing the mechanisms and origins of vocal learning in birds. Nottebohm F. **Trends Neurosci** 1991 May; 14(5):206-11 (57 ref.)

BIRTH see **LABOR**

BIRTH CONTROL see **FAMILY PLANNING**

BIRTH DEFECTS see **ABNORMALITIES**

BIRTH INJURIES

Shoulder dystocia. Hernandez C, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):526-34 (36 ref.)

COMPLICATIONS

Birth fractures of long bones. Salonen IS. **Ann Chir Gynaecol** 1991;80(1):71-3 (13 ref.)

SURGERY

On the management of neonatal tentorial damage. Eight case reports and a review of the literature. Govaert P, et al. **Acta Neurochir (Wien)** 1990;106(1-2):52-64 (32 ref.)

THERAPY

Pediatric spinal trauma: vertebral column and spinal cord injuries in children. Dickman CA, et al. **Pediatr Neurosci** 1989;15(5):237-55; discussion 56 (137 ref.)

BIRTH RATE

Temperature and the seasonality of births. Lam DA, et al. **Adv Exp Med Biol** 1991;286:73-88 (44 ref.)

Behavioural and biological determinants of fertility transition in sub-Saharan Africa. Frank O, et al. **Stat Med** 1991 Feb; 10(2):161-75 (37 ref.)

BIRTH WEIGHT

see related
FETAL MACROSOMIA
INFANT, LOW BIRTH WEIGHT

Maternal weight gain, infant birth weight, and diet: causal sequences. Susser M. **Am J Clin Nutr** 1991 Jun; 53(6):1384-96 (58 ref.)

Detection of low birth-weight new born babies by anthropometric measurements in Bangladesh. Huque F, et al. **Indian J Pediatr** 1991 Mar-Apr;58(2):223-31 (17 ref.)

The prenatal origins of adult hypertension. **Nutr Rev** 1991 May;49(5):160-1 (11 ref.)

[Significance of age correction in premature infants] Brandt I, et al. **Monatsschr Kinderheilkd** 1991 Jan;139(1):16-21 (50 ref.) (Eng. Abstr.) **(Ger)**

[Nutritional support of premature newborn infants with birthweight below 1.500 g] Castillo Salinas F, et al. **An Esp Pediatr** 1990 Sep;33(3):233-6 (21 ref.) (Eng. Abstr.) **(Spa)**

BIRTHING CENTERS, HOSPITAL see **DELIVERY ROOMS**

BISEXUALITY

Disseminated Kaposi's sarcoma not associated with HIV infection in a bisexual man. Garcia-Muret MP, et al. **J Am Acad Dermatol** 1990 Nov;23(5 Pt 2):1035-8 (13 ref.)

BISMUTH

The safety of low melting point bismuth/lead alloys: a review. Glasgow GP. **Med Dosim** 1991 Mar;16(1):13-8 (13 ref.)

THERAPEUTIC USE

The who's and when's of therapy for Helicobacter pylori [editorial] [see comments] Graham DY, et al. **Am J Gastroenterol** 1990 Dec;85(12):1552-5 (11 ref.) Comment in: Am J Gastroenterol 1991 Jul;86(7):924-5.

The use of bismuth in gastroenterology. The ACG Committee on FDA-Related Matters. American College of Gastroenterology. Marshall BJ. **Am J Gastroenterol** 1991 Jan;86(1):16-25 (76 ref.)

Bismuth compounds in the treatment of peptic ulcer: a review. Nanivadekar SA. **J Assoc Physicians India** 1990 Sep;38 Suppl 1:736-42 (72 ref.)

[Bismuth therapy in gastroenterology] Raedsch R. **Dtsch Med Wochenschr** 1991 May 24;116(21):821-4 (19 ref.) **(Ger)**

TOXICITY

Risks from radon progeny exposure: what we know, and what we need to know. Guilmette RA, et al. **Annu Rev Pharmacol Toxicol** 1991;31:569-601 (197 ref.)

BIS(5'-NUCLEOSIDYL)OLIGOPHOSPHATES see **DINUCLEOSIDE PHOSPHATES**

BIS(5'-NUCLEOSIDYL)PHOSPHATES see **DINUCLEOSIDE PHOSPHATES**

BISPHOSPHONATES see **DIPHOSPHONATES**

BISULFITE REDUCTASES see **SULFITE REDUCTASES**

BITE REGISTRATION see **JAW RELATION RECORD**

BITES AND STINGS

Venomous and poisonous marine animal injuries. Russell FE. **Vet Hum Toxicol** 1991 Aug;33(4):334-7 (19 ref.)

[A new pathogenic organism in human disease. Dysyonic fermenter type 2 infection] Zhang J. **Chung Hua I Hsueh Tsa Chih** 1991 Jan;71(1):51-3 (16 ref.) **(Chi)**

EPIDEMIOLOGY

A review of animal bites in Delaware--1989 to 1990. Spence G. **Del Med J** 1990 Dec;62(12):1425-33 (8 ref.)

ETIOLOGY

[Sting and bite injuries caused by poisonous animals. Symptoms and treatment] Mebs D. **Med Monatsschr Pharm** 1990 Nov;13(11):330-9 (7 ref.) **(Ger)**

PREVENTION & CONTROL

Feline scratching and destruction and the effects of declawing. Landsberg GM. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):265-79 (21 ref.)

Canine aggression toward people. Bite scenarios and prevention. Wright JC. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):299-314 (48 ref.)

THERAPY

Bite wounds to the upper extremity. Martin D, et al. **Orthopedics** 1991 May;14(5):571-8 (39 ref.)

[Electric shock treatment of poisoning caused by animal venoms] Torregiani F, et al. **Minerva Med** 1990 Jul-Aug; 81(7-8 Suppl):133-6 (30 ref.) (Eng. Abstr.) **(Ita)**

BITEWING RADIOGRAPHY see **RADIOGRAPHY, BITEWING**

BITTNER VIRUS see **MAMMARY CANCER VIRUS**

BLACK FLIES see **SIMULIIDAE**

BLACK WIDOW SPIDER

[Review of latrodectism and Malmignatta sting (Latrodectus tredecimguttatus) in Italy] Torregiani F, et al. **Minerva Med** 1990 Jul-Aug;81(7-8 Suppl):147-54 (74 ref.) (Eng. Abstr.) **(Ita)**

BLACKS

see related
NEGROID RACE

Drunk driving among American blacks and Hispanics. Ross HL, et al. **Accid Anal Prev** 1991 Feb;23(1):1-11 (32 ref.)

Hypertension, cardiac disease, and compliance in minority patients. Francis CK. **Am J Med** 1991 Jul 18; 91(1A):29S-36S (55 ref.)

Hypertension in blacks: nonpharmacologic and pharmacologic therapy. Hall WD, et al. **Cardiovasc Clin** 1991;21(3):157-69 (59 ref.)

Cosmetics in blacks. Grimes PE, et al. **Dermatol Clin** 1991 Jan;9(1):53-68 (44 ref.)

Exercise in therapy and prevention of type II diabetes. Implications for blacks. Ruderman N, et al. **Diabetes Care** 1990 Nov;13(11):1163-8 (71 ref.)

Ethnic/racial populations and worksite health promotion. Aguirre-Molina M, et al. **Occup Med** 1990 Oct-Dec; 5(4):789-806 (49 ref.)

AIDS survey methodology with black Americans. Mays VM, et al. **Soc Sci Med** 1991;33(1):47-54 (45 ref.)

Examining ethnicity versus race in AIDS related sex research. Wyatt GE. **Soc Sci Med** 1991;33(1):37-45 (43 ref.)

HISTORY

Black on class and mortality: theory, method and history. Strong PM. **J Public Health Med** 1990;12(3-4):168-80 (73 ref.)

PSYCHOLOGY

Obesity, diet, and psychosocial factors contributing to cardiovascular disease in blacks. Kumanyika S, et al. **Cardiovasc Clin** 1991;21(3):47-73 (118 ref.)

When does a difference make a difference? MMPI scores and African-Americans. Dana RH, et al. **J Clin Psychol** 1991 May;47(3):400-6 (70 ref.)

Black on class and mortality: theory, method and history. Strong PM. **J Public Health Med** 1990;12(3-4):168-80 (73 ref.)

Anxiety disorders research with African Americans: current status. Neal AM, et al. **Psychol Bull** 1991 May; 109(3):400-10 (110 ref.)

Sexual conquest and patterns of black-on-black violence: a structural-cultural perspective. Oliver W. **Violence Vict** 1989 Winter;4(4):257-73 (105 ref.)

STATISTICS & NUMERICAL DATA

Coronary heart disease: black-white differences. Cooper RS, et al. **Cardiovasc Clin** 1991;21(3):205-25 (40 ref.)

Coronary artery disease in blacks: past perspectives and current overview. Curry CL, et al. **Cardiovasc Clin** 1991; 21(3):197-204 (37 ref.)

Predictors of coronary heart disease in blacks. Keil JE, et al. **Cardiovasc Clin** 1991;21(3):227-39 (34 ref.)

Urban and rural differences in cardiovascular disease in blacks. Keil JE, et al. **Cardiovasc Clin** 1991;21(3):17-28 (22 ref.)

Risk factors and the natural history of coronary heart disease in blacks. Lewis CE, et al. **Cardiovasc Clin** 1991;21(3):29-45 (138 ref.)

Socioeconomic status and morbidity and mortality in hypertensive blacks. Moorman PG, et al. **Cardiovasc Clin** 1991;21(3):179-94 (38 ref.)

Cardiovascular surgery in blacks. Peniston RL, et al. **Cardiovasc Clin** 1991;21(3):321-39 (94 ref.)

BLADDER

see related
CYSTOSCOPY
URINARY CATHETERIZATION

[The reality and usefulness of Halban's fascia] Hoang NM, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991;20(1):51-9 (10 ref.) (Eng. Abstr.) **(Fre)**

ABNORMALITIES

Megacystis-microcolon-intestinal hypoperistalsis syndrome in two male siblings. Garber A, et al. **Prenat Diagn** 1990 Jun;10(6):377-87 (26 ref.)

Radiographic manifestations of congenital anomalies of the lower urinary tract. Herman TE, et al. **Radiol Clin North Am** 1991 Mar;29(2):365-82 (57 ref.)

[Chronic intestinal pseudo-obstruction syndrome in infants and associated anomalies] Destuynder R, et al. **Arch Fr Pediatr** 1991 Feb;48(2):119-22 (18 ref.) (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Bacillus Calmette-Guérin (BCG): mechanism of action in superficial bladder cancer. Ratliff TL. **Urology** 1991;37(5 Suppl):8-11 (0 ref.)

IMMUNOLOGY

Bladder mast cell activation in interstitial cystitis. Theoharides TC, et al. **Semin Urol** 1991 May;9(2):74-87 (122 ref.)

INNERVATION

Innervation of bladder and bowel. Burnstock G. **Ciba Found Symp** 1990;151:2-18; discussion 18-26 (98 ref.)

The dual function of capsaicin-sensitive sensory nerves in the bladder and urethra. Maggi CA. **Ciba Found Symp** 1990; 151:77-83; discussion 83-90 (21 ref.)

On the function of spinal primary afferent fibres supplying colon and urinary bladder. Jänig W, et al. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S89-96 (33 ref.)

Urinary bladder innervation in experimental diabetes. Prosdocimi M, et al. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S123-7 (46 ref.)

Basic and clinical aspects of cholinergic agents in bladder dysfunction. Andersson KE, et al. **Prog Brain Res** 1990; 84:201–7 (61 ref.)

[Current principles of urological management of patients with injuries of the spine and spinal cord] Bohatyrewicz A, et al. **Pol Tyg Lek** 1989 Oct 23–Nov 6;44(43–45):937–40 (18 ref.) (Eng. Abstr.) **(Pol)**

PATHOLOGY

Complete prolapse of the urinary bladder. Chan YT, et al. **Br J Urol** 1990 Oct;66(4):436–7 (4 ref.)

PHYSIOLOGY

Functional assessment of the bladder. Nordling J. **Ciba Found Symp** 1990;151:139–47; discussion 147–55 (16 ref.)

Comparison of antiadherence activity of bladder extracts from interstitial cystitis patients with recurrent urinary tract infections. Ruggieri MR, et al. **Semin Urol** 1991 May; 9(2):136–42 (54 ref.)

PHYSIOPATHOLOGY

Bladder dysfunction in the elderly. Benson GS. **Am J Kidney Dis** 1990 Oct;16(4):322–3 (12 ref.)

The unstable bladder in children. Fernandes E, et al. **J Pediatr** 1991 Jun;118(6):831–7 (39 ref.)

Diagnosis and management of urinary incontinence due to detrusor instability. Wall LL. **Obstet Gynecol Surv** 1990 Nov;45(11 Suppl):1S–47S (494 ref.)

Intravesical electrical stimulation for the rehabilitation of the neuropathic bladder. Madersbacher H. **Paraplegia** 1990 Jul; 28(6):349–52 (15 ref.)

SURGERY

The clam cystoplasty. Bramble FJ. **Br J Urol** 1990 Oct; 66(4):337–41 (21 ref.)

Complications of bladder neck suspension procedures. Kelly MJ, et al. **Urol Clin North Am** 1991 May;18(2):339–8 (48 ref.)

Incontinence after augmentation cystoplasty and internal diversion. Schiff SF, et al. **Urol Clin North Am** 1991 May; 18(2):383–92 (54 ref.)

[Report: complications of continent urinary diversion surgery and bladder replacement] Van Velthoven R. **Acta Urol Belg** 1991;59(2):283–301 (34 ref.) **(Fre)**

[Partial parietal cystectomy and cystoplasty using a lyophilized human dura mater patch as an alternative in palliative surgery for bladder cancer] Romero Perez P, et al. **Arch Esp Urol** 1990 Oct;43(8):867–75 (41 ref.) (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

[Ultrastructural changes in the cells of the vasopressin-sensitive epithelia during the stimulation of water transport] Snigirevskaia ES. **Tsitologiia** 1990; 32(8):766–94 (242 ref.) (Eng. Abstr.) **(Rus)**

BLADDER CALCULI

COMPLICATIONS

[A case of squamous cell carcinoma of the urinary bladder associated with bladder calculi] Hirata N, et al. **Hinyokika Kiyo** 1991 Jan;37(1):77–81 (26 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Litholapaxy: a fading art. Kaur P, et al. **J Indian Med Assoc** 1990 Jun;88(6):163–6 (7 ref.)

BLADDER DISEASES

COMPLICATIONS

Genital prolapse with and without urinary incontinence. Harris TA, et al. **J Reprod Med** 1990 Aug;35(8):792–8 (24 ref.)

Treatment of voiding complaints and incontinence in painful bladder syndrome. Stone AR. **Urol Clin North Am** 1991 May;18(2):317–25 (53 ref.)

[A case of Menkes' kinky hair disease with a renal calculus and diverticula of the bladder] Iuchi H, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Jun;82(6):994–7 (9 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

The unstable bladder in children. Fernandes E, et al. **J Pediatr** 1991 Jun;118(6):831–7 (39 ref.)

Placenta previa percreta involving the urinary bladder: a report of two cases and review of the literature. Price FV, et al. **Obstet Gynecol** 1991 Sep;78(3 (Pt 2)):508–11 (39 ref.)

[A case of malakoplakia of the kidney and urinary bladder] Kubo M, et al. **Hinyokika Kiyo** 1991 Feb;37(2):169–73 (30 ref.) (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Substance abuse-related spontaneous bladder rupture: report of 2 cases and review of the literature. Marshall GA, et al. **J Urol** 1991 Jan;145(1):135–7 (24 ref.)

PATHOLOGY

Complete prolapse of the urinary bladder. Chan YT, et al. **Br J Urol** 1990 Oct;66(4):436–7 (4 ref.)

PHYSIOPATHOLOGY

Basic and clinical aspects of cholinergic agents in bladder dysfunction. Andersson KE, et al. **Prog Brain Res** 1990; 84:201–7 (61 ref.)

RADIOGRAPHY

[Bladder hernia. Clinico-radiologic considerations] Petta S, et al. **G Chir** 1988 May;9(5):333–7 (18 ref.) (Eng. Abstr.) **(Ita)**

[Giant inguino-scrotal herniation of the bladder] Martínez-Piñeiro L, et al. **Arch Esp Urol** 1990 Oct; 43(8):900–3 (21 ref.) (Eng. Abstr.) **(Spa)**

VETERINARY

[Rupture of the bladder and of the urachus in foals. A literature review] Baerveldt MC, et al. **Tijdschr Diergeneeskd** 1991 Mar 1;116(5):221–8 (22 ref.) (Eng. Abstr.) **(Dut)**

BLADDER NEOPLASMS

Inflammatory pseudotumor in childhood. A diagnostic and therapeutic dilemma. Freud E, et al. **Arch Surg** 1991 May; 126(5):653–5 (24 ref.)

Small cell carcinoma of the urinary tract. Yu DS, et al. **Br J Urol** 1990 Dec;66(6):590–5 (40 ref.)

Current status of cancers of the bladder and prostate. Jacobs SC, et al. **Trans Assoc Life Insur Med Dir Am** 1991; 74:144–51 (18 ref.)

Supratrigonal ectopic prostate: case report and review of the literature. Richter S, et al. **Urol Int** 1991;46(1):96–8 (10 ref.)

[Bladder tumors in patients under 40 yr of age. Our experience and review of the literature] Gassó Matoses M, et al. **Arch Esp Urol** 1991 Apr;44(3):257–8 (12 ref.) (Eng. Abstr.) **(Spa)**

[Cancer of the bladder: where are we?] Martínez-Piñeiro JA. **Arch Esp Urol** 1990;43 Suppl 2:109–12 (8 ref.) **(Spa)**

[Primary bladder adenocarcinoma: retrospective study of 11 cases and general review] Martínez-Piñeiro L, et al. **Arch Esp Urol** 1991 Mar;44(2):131–8 (38 ref.) (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Carcinosarcoma of bladder following long-term cyclophosphamide therapy. Sigal SH, et al. **Arch Pathol Lab Med** 1991 Oct;115(10):1049–51 (17 ref.)

Metabolism of aromatic and heterocyclic amine bladder carcinogens: bioanalytical considerations. Mattammal MB, et al. **J Pharm Biomed Anal** 1990;8(2):151–8 (33 ref.)

Early indicators of bladder carcinogenesis produced by non-genotoxic agents. Anderson RL. **Mutat Res** 1991 Jun; 248(2):261–70 (22 ref.)

Modification of tumor development in the urinary bladder. Fukushima S. **Prog Exp Tumor Res** 1991;33:154–74 (98 ref.)

[Phenacetin, paracetamol and bladder cancer] Nørgaard N, et al. **Ugeskr Laeger** 1990 Dec 3;152(49):3687–91 (30 ref.) (Eng. Abstr.) **(Dan)**

[4-Chloro-o-toluidine-induced bladder cancer] Stasik MJ. **Dtsch Med Wochenschr** 1991 Sep 20;116(38):1444–7 (50 ref.) **(Ger)**

[Carcinoma of the urinary bladder in a patient receiving cyclophosphamide for Wegener's granuloma: a case report] Shiba T, et al. **Hinyokika Kiyo** 1991 Apr;37(4):393–6 (18 ref.) (Eng. Abstr.) **(Jpn)**

[Experimental bladder tumor] Okajima E, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 May;82(5):705–15 (66 ref.) (Eng. Abstr.) **(Jpn)**

CHEMISTRY

Biological markers of prognosis in invasive bladder cancer. Fradet Y. **Semin Oncol** 1990 Oct;17(5):533–43 (63 ref.)

CLASSIFICATION

Staging of bladder cancer: is the tumor, node, metastasis system adequate? Hall RR, et al. **Semin Oncol** 1990 Oct; 17(5):517–23 (17 ref.)

COMPLICATIONS

Extraintestinal cancers in Crohn's disease. Nakajima H, et al. **Digestion** 1990;47(1):1–7 (28 ref.)

[A case of squamous cell carcinoma of the urinary bladder associated with bladder calculi] Hirata N, et al. **Hinyokika Kiyo** 1991 Jan;37(1):77–81 (26 ref.) (Eng. Abstr.) **(Jpn)**

[A case of renal cell carcinoma and bladder carcinoma associated with von Hippel-Lindau disease] Kinbara H, et al. **Hinyokika Kiyo** 1990 Jul;36(7):823–6 (15 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Recent diagnostic modalities for bladder cancer. Sheinfeld J, et al. **Immunol Ser** 1990;53:485–97 (53 ref.)

Quantitative fluorescence image analysis in bladder cancer screening. Hemstreet GP 3d, et al. **J Occup Med** 1990 Sep; 32(9):822–8 (37 ref.)

Molecular and cellular biological approaches and techniques in the detection of bladder cancer and enhanced risk for bladder cancer in high-risk groups. Hurst RE, et al. **J Occup Med** 1990 Sep;32(9):854–62 (61 ref.)

Detection of exfoliated bladder cancer cells by monoclonal antibodies to tumor-associated cell surface antigens. Lin CW, et al. **J Occup Med** 1990 Sep;32(9):910–6 (42 ref.)

Flow cytometry detection and evaluation of bladder tumors. Melamed MR. **J Occup Med** 1990 Sep;32(9):829–33 (51 ref.)

Hematuria screening for bladder cancer. Messing EM, et al. **J Occup Med** 1990 Sep;32(9):838–45 (46 ref.)

Human chorionic gonadotropin expression by bladder cancers: biology and clinical potential. Iles RK, et al. **J Urol** 1991 Mar;145(3):453–8 (65 ref.)

Imaging of invasive bladder cancer. Dershaw DD, et al. **Semin Oncol** 1990 Oct;17(5):544–50 (40 ref.)

Transitional cell carcinoma of the bladder in children: radiologic appearance and differential diagnosis. Quillin SP, et al. **Urol Radiol** 1991;13(2):107–9 (12 ref.)

DRUG THERAPY

Systemic chemotherapy in the management of advanced bladder cancer. Hall RR. **Arch Esp Urol** 1990;43 Suppl 2:193–6 (12 ref.)

Chemotherapy for invasive bladder cancer: facts and fallacies. Raghavan D, et al. **Arch Esp Urol** 1990;43 Suppl 2:209–14 (52 ref.)

Chemotherapy in advanced bladder cancer: a review with emphasis on future studies. Splinter TA. **Arch Esp Urol** 1990;43 Suppl 2:215–7 (21 ref.)

Photodynamic therapy. Pope AJ, et al. **Br J Urol** 1991 Jul; 68(1):1–9 (32 ref.)

Systemic chemotherapy in the management of bladder cancer. Nanus DM, et al. **Cancer Treat Res** 1989;46:143–58 (68 ref.)

Neoadjuvant and adjuvant therapy for invasive bladder tumors. Dirix LY, et al. **Eur J Cancer** 1991;27(3):326–30 (32 ref.)

Adjuvant intravesicular pharmacotherapy for superficial bladder cancer. Lum BL, et al. **J Natl Cancer Inst** 1991 May 15;83(10):682–94 (79 ref.)

Chemotherapy for invasive bladder tumors. Scher HI. **Prog Clin Biol Res** 1990;353:1–22 (83 ref.)

Neo-adjuvant M-VAC (methotrexate, vinblastine, adriamycin, and cisplatin) for infiltrating bladder cancer: initial results in Italy. Sternberg CN. **Prog Clin Biol Res** 1990;353:143–52 (28 ref.)

Criteria of response to neo-adjuvant chemotherapy in the treatment of invasive bladder cancer: a critical assessment. Vogelzang NJ, et al. **Prog Clin Biol Res** 1990;353:225–36 (36 ref.)

Neobladders: clinical management and considerations for patients receiving chemotherapy. Broderick GA, et al. **Semin Oncol** 1990 Oct;17(5):598–605 (45 ref.)

Radiotherapy combined with chemotherapy in treatment of muscle-invasive bladder carcinoma. Porter AT. **Semin Oncol** 1990 Oct;17(5):583–9 (76 ref.)

Cytotoxic chemotherapy for advanced bladder cancer: cisplatin-containing regimens. Raghavan D, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):56–63 (83 ref.)

Preemptive (neoadjuvant) chemotherapy: can analysis of eligibility criteria, prognostic factors, and tumor staging from different trials provide valid or useful comparisons? Raghavan D, et al. **Semin Oncol** 1990 Oct;17(5):613–8 (39 ref.)

Chemotherapy for invasive bladder cancer: neoadjuvant versus adjuvant. Scher HI. **Semin Oncol** 1990 Oct; 17(5):555–65 (77 ref.)

Neoadjuvant chemotherapy for invasive bladder cancer: future directions. Scher HI, et al. **Semin Oncol** 1990 Oct; 17(5):635–8 (35 ref.)

Endpoints of clinical trials in invasive bladder cancer. Tannock IF. **Semin Oncol** 1990 Oct;17(5):619–27 (33 ref.)

Whole bladder photodynamic therapy: critical review of present-day technology and rationale for development of intravesical laser catheter and monitoring system. Nseyo UO, et al. **Urology** 1990 Nov;36(5):398–402 (17 ref.)

[Inductive chemotherapy of bladder cancer. A critical evaluation] Debruyne FM. **Urologe [A]** 1991 Mar; 30(2):81–4 (27 ref.) (Eng. Abstr.) **(Ger)**

[Therapy of superficial bladder carcinoma] Rübben H, et al. **Urologe [A]** 1991 Jan;30(1):2–9 (70 ref.) (Eng. Abstr.) **(Ger)**

[Chemotherapy in the treatment of advanced urothelial tumors] Sternberg CN. **Urologe [A]** 1991 Jan;30(1):33–44 (81 ref.) (Eng. Abstr.) **(Ger)**

[Systemic chemotherapy of urothelial carcinoma] Wolff J, et al. **Urologe [A]** 1991 Jan;30(1):25–32 (60 ref.) (Eng. Abstr.) **(Ger)**

[A bulky mass non-Hodgkin's lymphoma with dysuria in the rectovesical space] Tosaka A, et al. **Hinyokika Kiyo** 1990 Jun;36(6):701–5 (20 ref.) (Eng. Abstr.) **(Jpn)**

[Preoperative or neoadjuvant chemotherapy. Our experience with 37 patients] Escudero Barrilero A, et al. **Arch Esp Urol** 1991 May;44(4):379–92 (21 ref.) **(Spa)**

EPIDEMIOLOGY

Proportion of lung and bladder cancers in males resulting

from occupation: a systematic approach [see comments] Vineis P, et al. **Arch Environ Health** 1991 Jan–Feb; 46(1):6–15 (68 ref.) Comment in: Arch Environ Health 1991 Jan–Feb;46(1):5.

GENETICS

Molecular genetics of human bladder carcinomas. Perucca D, et al. **Cancer Genet Cytogenet** 1990 Oct 15;49(2):143–56 (76 ref.)

Molecular analysis of human bladder cancer. Olumi AF, et al. **Semin Urol** 1990 Nov;8(4):270–7 (92 ref.)

[Molecular biology studies of bladder cancer] Bringuier PP, et al. **Urologe [A]** 1991 May;30(3):167–71 (56 ref.) (Eng. Abstr.) **(Ger)**

[Case reports on 2 young sisters with superficial bladder neoplasm] Tucci G, et al. **G Chir** 1988 Jan;9(1):36–9 (17 ref.) (Eng. Abstr.) **(Ita)**

METABOLISM

[Prognostic value of the expression of ABH isoantigens in tumors of the bladder urothelium] Anton Aparicio LM, et al. **Rev Med Univ Navarra** 1989 Apr–Jun;33(2):111–2 (12 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Primary signet-ring cell carcinoma of the urinary bladder. Grignon DJ, et al. **Am J Clin Pathol** 1991 Jan;95(1):13–20 (42 ref.)

Signet-ring cell carcinoma of urachus: a case report and review of literature. Ravi R. **Arch Esp Urol** 1990 Oct; 43(8):927–9 (20 ref.)

Pagetoid carcinomatous involvement of the penile urethra in association with high-grade transitional cell carcinoma of the urinary bladder. Bégin LR, et al. **Arch Pathol Lab Med** 1991 Jun;115(6):632–5 (13 ref.)

Inverted papilloma of the urinary bladder with granular eosinophilic cells. An unusual neuroendocrine variant. Summers DE, et al. **Arch Pathol Lab Med** 1991 Aug; 115(8):802–6 (45 ref.)

Inflammatory pseudotumour of the urinary bladder. Coyne JD, et al. **Histopathology** 1991 Mar;18(3):261–4 (16 ref.)

Transitional cell carcinoma of the urinary bladder with osteoclast-type giant cells: a report of two cases and review of the literature. Zukerberg LR, et al. **Histopathology** 1990 Nov;17(5):407–11 (30 ref.)

Stromal osseous metaplasia in carcinoma of the bladder. Eble JN, et al. **J Urol** 1991 Apr;145(4):823–5 (17 ref.)

Verrucous carcinoma of the bladder. Horner SA, et al. **J Urol** 1991 Jun;145(6):1261–3 (12 ref.)

Pathology of bladder cancer: assessment of the primary lesion and response to therapy. Reuter VE. **Prog Clin Biol Res** 1990;353:45–56 (40 ref.)

Pathology of bladder cancer: assessment of prognostic variables and response to therapy. Reuter VE. **Semin Oncol** 1990 Oct;17(5):524–32 (43 ref.)

Restaging procedures, criteria of response, and relationship between pathological response and survival. Splinter T, et al. **Semin Oncol** 1990 Oct;17(5):606–12 (27 ref.)

Bilateral ureteral inverted papillomas in association with bladder carcinoma: a case report and review of the literature. Mulkens TH, et al. **Urol Radiol** 1990;12(3):154–6 (10 ref.)

Intravesical condyloma acuminatum with progression to verrucous carcinoma. Batta AG, et al. **Urology** 1990 Nov; 36(5):457–64 (30 ref.)

[Multiple condylomata of the urethra and bladder disclosing HIV infection] Asvesti C, et al. **Ann Urol (Paris)** 1991; 25(3):146–9 (23 ref.) (Eng. Abstr.) **(Fre)**

[TNM-oriented therapy planning in bladder cancer] Goepel M, et al. **Urologe [A]** 1991 May;30(3):151–7 (94 ref.) (Eng. Abstr.) **(Ger)**

[Animal experiment aspects of bladder cancer] Recker F, et al. **Urologe [A]** 1991 May;30(3):172–9 (144 ref.) (Eng. Abstr.) **(Ger)**

[Primary extragonadal choriocarcinoma of the bladder. A case report with a compilation of the 19 cases published so far] Schmid HP, et al. **Urologe [A]** 1991 Jan;30(1):72–4 (16 ref.) (Eng. Abstr.) **(Ger)**

[Primary lymphoma of the bladder] Pecze K, et al. **Orv Hetil** 1990 Sep 9;131(36):1979–81 (27 ref.) (Eng. Abstr.) **(Hun)**

[Localization of primary and recurrent bladder tumors] Samodai L, et al. **Orv Hetil** 1991 Jun 30;132(26):1421–6 (23 ref.) (Eng. Abstr.) **(Hun)**

[A case of signet-ring cell carcinoma of the urinary bladder] Harada M, et al. **Hinyokika Kiyo** 1990 Sep;36(9):1073–6 (17 ref.) (Eng. Abstr.) **(Jpn)**

[Apparently bladder origin signet ring cell carcinoma: a case report] Ishizaka K, et al. **Hinyokika Kiyo** 1990 Nov; 36(11):1329–32 (15 ref.) (Eng. Abstr.) **(Jpn)**

[A case of primary signet ring cell carcinoma in urinary bladder] Nagata Y, et al. **Hinyokika Kiyo** 1991 May; 37(5):531–5 (35 ref.) (Eng. Abstr.) **(Jpn)**

[A case of double cancer: renal cell carcinoma and transitional cell carcinoma of urinary bladder] Nakano S, et al. **Hinyokika Kiyo** 1990 Jul;36(7):831–5 (11 ref.) (Eng. Abstr.) **(Jpn)**

[A case of signet ring cell carcinoma of the urachus] Suzuki H, et al. **Hinyokika Kiyo** 1991 Jun;37(6):633–5 (11 ref.) (Eng. Abstr.) **(Jpn)**

[Primary superficial bladder carcinoma. Prognostic factors for recurrence] Jiménez Cruz JF, et al. **Arch Esp Urol** 1990; 43 Suppl 2:139–47 (43 ref.) (Eng. Abstr.) **(Spa)**

RADIOTHERAPY

The role of radiotherapy in the treatment of muscle invasive bladder cancer. Porter AT. **Prog Clin Biol Res** 1990; 353:23–34 (51 ref.)

The role of radiation therapy alone or as an adjunct to surgery in bladder carcinoma. Parsons JT, et al. **Semin Oncol** 1990 Oct;17(5):566–82 (140 ref.)

Radiotherapy combined with chemotherapy in treatment of muscle-invasive bladder carcinoma. Porter AT. **Semin Oncol** 1990 Oct;17(5):583–9 (76 ref.)

[Interstitial brachytherapy in pelvic neoplasms] Cellini N. **Radiol Med (Torino)** 1990 Oct;80(4):544–53 (119 ref.) **(Ita)**

[Usefulness of radiotherapy in the treatment of infiltrating bladder cancer] Escudero Barrilero A. **Arch Esp Urol** 1990; 43 Suppl 2:165–84 (63 ref.) **(Spa)**

SECONDARY

[Bladder metastasis from renal cell carcinoma three years after nephrectomy] Tanikawa K, et al. **Hinyokika Kiyo** 1990 Aug;36(8):927–9 (10 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Possibilities of laser in the treatment of urinary bladder cancer. Beisland HO. **Ann Chir Gynaecol** 1990;79(4):197–9 (14 ref.)

Lasers in the treatment of bladder cancer. Ruston MA, et al. **Br J Urol** 1991 May;67(5):449–55 (37 ref.)

Laser treatment of transitional cell cancer of the bladder and upper urinary tract. Orihuela E, et al. **Cancer Treat Res** 1989;46:123–42 (42 ref.)

Neoadjuvant chemotherapy in invasive bladder cancer: the evolving role of surgery. Herr HW, et al. **J Urol** 1990 Nov; 144(5):1083–8 (17 ref.)

The role of surgery in initial staging and follow up. Herr HW. **Prog Clin Biol Res** 1990;353:35–43 (10 ref.)

Neobladders: clinical management and considerations for patients receiving chemotherapy. Broderick GA, et al. **Semin Oncol** 1990 Oct;17(5):598–605 (45 ref.)

Surgery of invasive bladder cancer: is pathologic staging necessary? Herr HW, et al. **Semin Oncol** 1990 Oct; 17(5):590–7 (15 ref.)

Pheochromocytoma of the urinary bladder. Sweetser PM, et al. **Surgery** 1991 May;109(5):677–81 (22 ref.)

Ureteral stump carcinoma incidentally found at cystectomy for bladder cancer. Kinzler GJ, et al. **Urology** 1991 Mar; 37(3):273–6 (21 ref.)

[Diffuse capillary hemangioma of the bladder] Chantada Abal V, et al. **Arch Esp Urol** 1990 Sep;43(7):782–5 (20 ref.) (Eng. Abstr.) **(Spa)**

[Partial parietal cystectomy and cystoplasty using a lyophilized human dura mater patch as an alternative in palliative surgery for bladder cancer] Romero Perez P, et al. **Arch Esp Urol** 1990 Oct;43(8):867–75 (41 ref.) (Eng. Abstr.) **(Spa)**

[Laser therapy of superficial tumors of the bladder] Vicente J, et al. **Arch Esp Urol** 1990;43 Suppl 2:125–30 (15 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Perilymphatic injections of cytokines: a new tool in active cancer immunotherapy. Experimental rationale and clinical findings. Forni G, et al. **Ann Ist Super Sanita** 1990; 26(3–4):397–409 (34 ref.)

Local/regional recombinant interleukin 2 (rIL-2) immunotherapy of tumors. Intra-arterial continuous infusion of rIL-2 in bladder cancer patients: a phase I study. Velotti F, et al. **Ann Ist Super Sanita** 1990;26(3–4):411–21 (68 ref.)

Intravesical bacillus Calmette-Guérin (BCG) in superficial bladder tumors. An overview. Debruyne FM, et al. **Arch Esp Urol** 1990;43 Suppl 2:133–8 (42 ref.)

Current concepts in the management of superficial bladder cancer. Soloway MS. **Arch Esp Urol** 1990;43 Suppl 2:115–21 (20 ref.)

Selection of treatment for muscle infiltrating transitional cell bladder cancer. Whitmore WF. **Arch Esp Urol** 1990;43 Suppl 2:219–22 (21 ref.)

The management of invasive bladder cancer: a review of selected Australasian studies in radiotherapy, chemotherapy and cystectomy. Mameghan H, et al. **Aust N Z J Surg** 1991 Mar;61(3):173–8 (16 ref.)

Initial evaluation and response criteria for patients with superficial bladder cancer. Report of a workshop. Soloway MS, et al. **Br J Urol** 1990 Oct;66(4):380–5 (24 ref.)

Mechanisms of action of intravesical bacillus Calmette-Guerin for bladder cancer. Mikkelsen DJ, et al. **Cancer Treat Res** 1989;46:195–211 (52 ref.)

Bladder cancer. Mead GM. **Curr Opin Oncol** 1990 Jun; 2(3):514–9 (20 ref.)

Prognostic factors and therapy for superficial and invasive bladder cancer. Ozen H. **Curr Opin Oncol** 1991 Jun; 3(3):553–8 (30 ref.)

Bladder cancer. Kantoff PW. **Curr Probl Cancer** 1990 Sep–Oct;14(5):233–92 (215 ref.)

Optimal management of superficial bladder cancer. Witjes JA, et al. **Eur J Cancer** 1991;27(3):330–3 (25 ref.)

Keynote address: a critical assessment of trials of neoadjuvant (preemptive) chemotherapy for bladder cancer: lesson for future studies of combined modality treatment. Raghavan D. **Int J Radiat Oncol Biol Phys** 1991 Feb;20(2):233–7 (39 ref.)

Current approaches in the treatment of bladder cancer and policy in Marmara University Hospital. Ersev D, et al. **Int Urol Nephrol** 1990;22(5):441–5 (35 ref.)

Current therapy of bladder cancer. Whitmore WF Jr. **J Occup Med** 1990 Sep;32(9):921–5 (44 ref.)

Neoadjuvant chemotherapy in invasive bladder cancer. Trial design and statistics. Dalesio O. **Prog Clin Biol Res** 1990; 353:57–64 (11 ref.)

Evaluation of tumor response and prognostic factors in patients with bladder cancer undergoing combined radiotherapy and chemotherapy. Jakse G, et al. **Prog Clin Biol Res** 1990;353:187–93 (12 ref.)

The integration of chemotherapy, radiotherapy and transurethral surgery in bladder-sparing approaches for patients with invasive tumors. Shipley WU, et al. **Prog Clin Biol Res** 1990;353:85–94 (27 ref.)

Endpoints of clinical trials for muscle-invasive bladder cancer. Tannock IF. **Prog Clin Biol Res** 1990;353:65–74 (17 ref.)

Invasive bladder cancer: selection of primary treatment. Soloway MS. **Semin Oncol** 1990 Oct;17(5):551–4 (15 ref.)

Bacillus Calmette-Guérin (BCG): mechanism of action in superficial bladder cancer. Ratliff TL. **Urology** 1991;37(5 Suppl):8–11 (0 ref.)

BCG treatment of superficial transitional cell carcinoma. Schellhammer PF. **Urology** 1991;37(5 Suppl):16–8 (13 ref.)

[Paravesical hemangiopericytoma. Apropos of a case] Dia A, et al. **J Chir (Paris)** 1991 Mar;128(3):139–44 (69 ref.) (Eng. Abstr.) **(Fre)**

[Carcinoma in situ of the urinary bladder--definition and status of treatment] Otto T, et al. **Urologe [A]** 1991 May; 30(3):163–6 (49 ref.) (Eng. Abstr.) **(Ger)**

[Malignant fibrous histiocytoma of the urinary bladder: a case report] Okuno T, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Feb;82(2):312–5 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Immunotherapy of urothelial neoplasms. Experimental and clinical implications of alpha interferon] Carballido J, et al. **Arch Esp Urol** 1990;43 Suppl 2:149–58 (62 ref.) **(Spa)**

ULTRASONOGRAPHY

[Indications and applicability of sonography or endosonography in cases of diseases of the bladder and prostate] Lorenz R, et al. **Rontgenblatter** 1990 Oct; 43(10):430–4 (19 ref.) (Eng. Abstr.) **(Ger)**

URINE

Urine cytology in bladder tumors. Zein TA, et al. **Int Surg** 1991 Jan–Mar;76(1):52–4 (27 ref.)

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the urinary bladder. Kunze E, et al. **IARC Sci Publ** 1990;(99):345–97 (164 ref.)

BLADDER, NEUROGENIC

ETIOLOGY

[Neuropathological aspects of micturition disorders. From the lesion to the therapeutic perspectives] Timmermans L, et al. **Rev Med Liege** 1990 Nov;45(11):550–70 (66 ref.) **(Fre)**

[Neurogenic bladder dysfunction due to spina bifida and sacral dysgenesis manifested itself in middle age. Report of a case] Kaneoya F, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Jul;81(7):1091–4 (4 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

The various types of neurogenic bladder dysfunction: an update of current therapeutic concepts. Madersbacher H. **Paraplegia** 1990 May;28(4):217–29 (22 ref.)

Neurogenic bladder simplified. Amis ES Jr, et al. **Radiol Clin North Am** 1991 May;29(3):571–80 (25 ref.)

RADIOGRAPHY

Urodynamics in the investigation of women with frequency, urgency, and incontinence, and voiding difficulties. Saxton HM. **Urol Radiol** 1991;13(1):48–57 (8 ref.)

REHABILITATION

Intravesical electrical stimulation for the rehabilitation of the neuropathic bladder. Madersbacher H. **Paraplegia** 1990 Jul; 28(6):349–52 (15 ref.)

THERAPY

The management of the neuropathic bladder in childhood. Borzyskowski M, et al. **Pediatr Nephrol** 1988 Jan;2(1):56–66 (39 ref.)

[Current principles of urological management of patients with injuries of the spine and spinal cord] Bohatyrewicz A, et al. **Pol Tyg Lek** 1989 Oct 23–Nov 6;44(43–45):937–40 (18

ref.) (Eng. Abstr.) **(Pol)**

BLADDER STONES see **BLADDER CALCULI**

BLADE IMPLANTATION

Clinical realities of endosseous blade vent implants. Barfield DJ, et al. **N Y State Dent J** 1991 Jun-Jul;57(6):36-9 (0 ref.)

BLAST-2 ANTIGEN, B-CELL see **ANTIGENS, DIFFERENTIATION, B-LYMPHOCYTE**

BLAST CRISIS

DIAGNOSIS

Basophilic crisis in chronic myelogenous leukemia: case report and literature review in Japan. Yamauchi K, et al. **Jpn J Med** 1990 May-Jun;29(3):334-40 (27 ref.)

Blastic phase of chronic myeloid leukemia (blCML): a proposal for standardization of diagnostic and response criteria. Arlin ZA, et al. **Leukemia** 1990 Nov;4(11):755-7 (21 ref.)

DRUG THERAPY

Failure of mithramycin to control the myeloid blast phase of chronic granulocytic leukemia: a report on nine patients and review of the literature. Johnson PR, et al. **Hematol Oncol** 1991 Jan-Feb;9(1):9-15 (17 ref.)

GENETICS

[Prominent lymphadenopathy and double Ph1 chromosomes as initial and recurrent manifestations of chronic myelogenous leukemia in blast crisis: report of a case and review of the literature] Sakai C, et al. **Rinsho Ketsueki** 1990 Sep;31(9):1506-11 (18 ref.) (Eng. Abstr.) **(Jpn)**

BLAST INJURIES

RADIOGRAPHY

Blast injury to the thoracic esophagus. Guth AA, et al. **Ann Thorac Surg** 1991 May;51(5):837-9 (25 ref.)

SURGERY

Oesophageal rupture due to air-blast injury in children: case report and review of the literature. Başaklar AC. **Z Kinderchir** 1990 Aug;45(4):257-9 (13 ref.)

[Tympanoplasty in the treatment of sequelae of blast injuries of the ear] Poncet JL, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(6):366-70 (14 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

ABC of major trauma. Blast and gunshot injuries. Haywood I, et al. **BMJ** 1990 Nov 3;301(6759):1040-2 (0 ref.)

BLAST PHASE see **BLAST CRISIS**

BLAST TRANSFORMATION see **BLAST CRISIS**

BLASTOCYST

see related

PREIMPLANTATION PHASE

[Medical aspects of diagnosis before implantation] Boué A. **Reprod Nutr Dev** 1990;Suppl 1:133s-137s (6 ref.) (Eng. Abstr.) **(Fre)**

[Genetic diagnosis in preimplantation embryos] Seidman DS, et al. **Harefuah** 1990 Nov 1;119(9):271-3 (25 ref.) **(Heb)**

IMMUNOLOGY

Macrophages and migratory cells in endometrium relevant to implantation. Lea RG, et al. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):25-59 (181 ref.)

METABOLISM

Regulation of protein synthesis in early amphibian development. Woodland HR. **J Reprod Fertil Suppl** 1990; 42:215-24 (57 ref.)

[Endocrine capacity of the mammalian blastocyst. I. Biosynthesis and metabolism of progesterone] Loza Arredondo MC, et al. **Ginecol Obstet Mex** 1990 Nov; 58:310-4 (27 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Role of embryonic factors in implantation: recent developments. Hartshorne GM, et al. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):133-58 (126 ref.)

A consideration of the factors which influence and control the viability and developmental potential of the preimplantation embryo. O'Neill C. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):159-78 (59 ref.)

Current topic: transport mechanisms in preimplantation mammalian embryos. Benos DJ, et al. **Placenta** 1990 Sep-Oct;11(5):373-80 (15 ref.)

Embryonic mechanisms for abrogating the malignancy of cancer cells. Parchment RE, et al. **Prog Clin Biol Res** 1990; 354A:331-44 (26 ref.)

SECRETION

Paracrine regulation of implantation and uterine function. Findlay JK, et al. **Baillieres Clin Obstet Gynaecol** 1991 Mar; 5(1):117-31 (62 ref.)

ULTRASTRUCTURE

Ultrastructure in human implantation: transmission and scanning electron microscopy. Lindenberg S. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):1-14 (62 ref.)

BLASTOCYST TRANSFER see **EMBRYO TRANSFER**

BLASTOCYSTIS see **PROTOZOA**

BLASTOGENESIS see **LYMPHOCYTE TRANSFORMATION**

BLASTOKININ see **UTEROGLOBIN**

BLASTOMYCOSIS

Peritoneal blastomycosis. Perez-Lasala G, et al. **Am J Gastroenterol** 1991 Mar;86(3):357-9 (10 ref.)

Fungal infections in pediatric patients. Bosso JA. **Pharmacotherapy** 1990;10(6 (Pt 3)):150S-153S (24 ref.)

Blastomycosis: fungal infections of the lung update: 1989. Bradsher RW. **Semin Respir Infect** 1990 Jun;5(2):105-10 (33 ref.)

RADIOGRAPHY

North American blastomycosis. Weingardt J, et al. **Am Fam Physician** 1991 Apr;43(4):1245-8 (19 ref.)

BLASTOMYCOSIS, NORTH AMERICAN see **BLASTOMYCOSIS**

BLASTOMYCOSIS, SOUTH AMERICAN see **PARACOCCIDIOIDOMYCOSIS**

BLASTOPORE see **GASTRULA**

BLASTULA see **BLASTOCYST**

BLEEDING see **HEMORRHAGE**

BLEEDING TIME

The bleeding time does not predict surgical bleeding. Lind SE. **Blood** 1991 Jun 15;77(12):2547-52 (58 ref.)

BLEOMYCINS

ADMINISTRATION & DOSAGE

Induction intra-arterial cisplatin and bleomycin in head and neck cancer. Frustaci S, et al. **Head Neck** 1991 Jul-Aug; 13(4):291-7 (49 ref.)

[Preoperative treatment of esophageal cancer with oral peplomycin jelly] Sasamoto M, et al. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1613-9 (9 ref.) (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Perioperative considerations for patients treated with bleomycin. Waid-Jones MI, et al. **Chest** 1991 Apr; 99(4):993-9 (56 ref.)

Oxygen-exacerbated bleomycin pulmonary toxicity [see comments] Ingrassia TS 3d, et al. **Mayo Clin Proc** 1991 Feb;66(2):173-8 (33 ref.) Comment in: Mayo Clin Proc 1991 May;66(5):548.

Computed tomography of pulmonary bleomycin toxicity. Mills P, et al. **Semin Ultrasound CT MR** 1990 Oct; 11(5):417-22 (21 ref.)

PHARMACOLOGY

Bleomycins. Muraoka Y, et al. **Cancer Chemother Biol Response Modif** 1990;11:58-66 (66 ref.)

Bleomycin: a pharmacologic tool in the study of the pathogenesis of interstitial pulmonary fibrosis. Lazo JS, et al. **Pharmacol Ther** 1990;47(3):347-58 (91 ref.)

THERAPEUTIC USE

[Clinical pharmacology of bleomycin] Drzewoski J, et al. **Pol Tyg Lek** 1990 May 21-28;45(21-22):431-4 (36 ref.) **(Pol)**

TOXICITY

Mechanisms of bleomycin-induced lung damage. Hay J, et al. **Arch Toxicol** 1991;65(2):81-94 (192 ref.)

Bleomycins. Muraoka Y, et al. **Cancer Chemother Biol Response Modif** 1990;11:58-66 (66 ref.)

Genotoxicity of bleomycin. Povirk LF, et al. **Mutat Res** 1991 Mar;257(2):127-43 (103 ref.)

BLEPHAROPTOSIS

ETIOLOGY

[Post-traumatic ptosis] Waller PY, et al. **Rev Stomatol Chir Maxillofac** 1991;92(4):237-46 (17 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Iris coloboma, ptosis, hypertelorism, and mental retardation: a new syndrome possibly localised on chromosome 2. Pallotta R. **J Med Genet** 1991 May;28(5):342-4 (7 ref.)

PHYSIOPATHOLOGY

Eyelid resting position and movements. Safran AB. **Bull Soc Belge Ophtalmol** 1989;237:459-84 (128 ref.)

SURGERY

Prosthetic reduction of upper eyelid ptosis. Workman CL. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:184-91 (7 ref.)

Age of aponeurotic awareness. Anderson RL. **Ophthal Plast Reconstr Surg** 1985;1(1):77-9 (16 ref.)

Ptosis surgery: past, present, and future. Beard C. **Ophthal Plast Reconstr Surg** 1985;1(1):69-72 (48 ref.)

Ptosis correction in the context of the treatment of external congenital ophthalmoplegia. D'Esposito M, et al. **Ophthal Plast Reconstr Surg** 1989;5(3):176-81 (33 ref.)

BLEPHAROSPASM

SURGERY

[Treatment of essential blepharospasm] Gugg E, et al. **Wien Klin Wochenschr** 1990 Sep 28;102(18):523-5 (13 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Facial dystonia, essential blepharospasm and hemifacial spasm. Holds JB, et al. **Am Fam Physician** 1991 Jun; 43(6):2113-20 (13 ref.)

BLIND SPOT see **OPTIC DISK**

BLINDNESS

see related

SENSORY AIDS

Transient monocular blindness. Lord RS. **Aust N Z J Ophthalmol** 1990 Aug;18(3):299-305 (57 ref.)

CHEMICALLY INDUCED

Cortical blindness: a rare complication of cyclosporine therapy. Ghalie R, et al. **Bone Marrow Transplant** 1990 Aug;6(2):147-9 (24 ref.)

ETIOLOGY

Transient monocular blindness caused by vasospasm. Burger SK, et al. **N Engl J Med** 1991 Sep 19;325(12):870-3 (40 ref.)

[Glaucoma as etiopathogenic hypothesis of amaurosis after blepharoplasty. Apropos of a clinical case] Scuderi N, et al. **Ann Chir Plast Esthet** 1990;35(5):410-3 (21 ref.) (Eng. Abstr.) **(Fre)**

[Diabetic retinopathy: an important cause of blindness] Boucher MC, et al. **Union Med Can** 1991 Mar-Apr; 120(2):72-6 (10 ref.) **(Fre)**

[Transient amaurosis following the insufflation of air into the maxillary sinus] Teişanu E. **Otorinolaringologie** 1967 Jan-Mar;12(1):53-60 (62 ref.) (Eng. Abstr.) **(Rum)**

[Irreversible bilateral amaurosis secondary to the course of ethmofrontal mucocele] Vallés H, et al. **Acta Otorrinolaringol Esp** 1990 Jul-Aug;41(4):257-60 (10 ref.) (Eng. Abstr.) **(Spa)**

[Prognostic factors in benign intracranial hypertension] Sureda-Ramis B, et al. **Arch Neurobiol (Madr)** 1990 Jul-Aug;53(4):151-6 (17 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

The neurobiology of blindsight. Cowey A, et al. **Trends Neurosci** 1991 Apr;14(4):140-5 (67 ref.)

REHABILITATION

Advances in low vision and blind rehabilitation. Mehr E, et al. **Adv Clin Rehabil** 1990;3:121-47 (51 ref.)

Advances in rehabilitation of deaf-blind persons. Vernon M, et al. **Adv Clin Rehabil** 1990;3:167-84 (31 ref.)

Orbital anatomy for rehabilitation: the oculariست's point of view. Willis J, et al. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:58-68 (8 ref.)

Early intervention for infants with deaf-blindness. Michael MG, et al. **Except Child** 1990 Dec-1991 Jan;57(3):200-10 (60 ref.)

Computer access for persons who are blind or visually impaired: human factors issues. Griffith D. **Hum Factors** 1990 Aug;32(4):467-75 (14 ref.)

SURGERY

Fitting a prosthesis over phthisis bulbi or discolored blind eyes. Cote RE, et al.

BLINDNESS

Adv Ophthalmic Plast Reconstr Surg 1990;8:136–45 (7 ref.)

BLINKING

PHYSIOLOGY

Blinking. Karson CN. **Bull Soc Belge Ophtalmol** 1989; 237:443–57 (69 ref.)

BLISTER

ETIOLOGY

Blistering diseases. Diagnostic help for primary care physicians. Goldberg SH, et al. **Postgrad Med** 1991 Feb 1;89(2):159–62 (3 ref.)

BLOCH-SULZBERGER SYNDROME see **INCONTINENTIA PIGMENTI**

BLOOD

see related
HEMATOPOIESIS

IMMUNOLOGY

Immunohematology. Virella G, et al. **Immunol Ser** 1990; 50:375–94 (8 ref.)

MICROBIOLOGY

Microbiological screening of blood donations. Barbara JA, et al. **Baillieres Clin Haematol** 1990 Apr;3(2):339–54 (18 ref.)

PHYSIOLOGY

Technological advances in blood rheology. Stuart J, et al. **Crit Rev Clin Lab Sci** 1990;28(1):61–93 (214 ref.)

RADIATION EFFECTS

[Ultraviolet irradiation of blood in migraine] Taubert K. **Z Arztl Fortbild (Jena)** 1991 Jan 25;85(1–2):43–8 (24 ref.) **(Ger)**

[Use of UV-irradiated autologous blood in obstetrics and gynecology] Grishchenko VI, et al. **Akush Ginekol (Mosk)** 1990 Jul;(7):3–6 (49 ref.) **(Rus)**

[Use of ultraviolet irradiation of blood in obstetrical and gynecological practice] Matsuev AI, et al. **Akush Ginekol (Mosk)** 1990 Aug;(8):6–10 (89 ref.) **(Rus)**

[Laser irradiation of blood in surgery] Gostishchev VK, et al. **Khirurgiia (Mosk)** 1991 Jan;(1):121–5 (98 ref.) **(Rus)**

[Use of photomodified blood in oncology] Dvaladze NA, et al. **Vestn Khir** 1990 Dec;145(12):95–9 (58 ref.) **(Rus)**

BLOOD-AIR BARRIER

The use of radionuclide techniques in the assessment of alveolar-capillary membrane permeability on the intensive care unit. Hunter DN, et al. **Intensive Care Med** 1990; 16(6):363–71 (62 ref.)

BLOOD, ARTIFICIAL see **BLOOD SUBSTITUTES**

BLOOD BACTERICIDAL ACTIVITY

Antimicrobial polypeptides of human neutrophils. Lehrer RI, et al. **Blood** 1990 Dec 1;76(11):2169–81 (239 ref.)

IMMUNOLOGY

[Antimicrobial activity of neutrophils and the methods of its study in surgical practice. Report I. Characteristics of the structure and non-oxygen dependent bactericidal mechanism of the neutrophils] Medvetskii EB, et al. **Klin Khir** 1991;(2):45–7 (16 ref.) **(Rus)**

[The bactericidal function of the blood neutrophils in myeloproliferative diseases (a review of the literature)] Guseva SA. **Vrach Delo** 1990 Aug;(8):27–30 (39 ref.) **(Rus)**

PHYSIOLOGY

Consequences of neutrophil adhesion to physiological and pathological targets. Hakim J. **Biorheology** 1990; 27(3–4):419–24 (16 ref.)

BLOOD BANKS

The role of the blood bank in bone marrow transplantation. Franchini E, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:57–60 (3 ref.)

Serum and tissue banks for biological markers. Whiteside TL, et al. **Immunol Ser** 1990;53:55–68 (20 ref.)

METHODS

Microbiological screening of blood donations. Barbara JA, et al. **Baillieres Clin Haematol** 1990 Apr;3(2):339–54 (18 ref.)

STANDARDS

Antibodies to hepatitis B core antigen and the infectivity of the blood supply. Scientific Section Coordinating Committee [published erratum appears in Transfusion 1991 Sep;31(7):594] Dodd RY, et al. **Transfusion** 1991 Jun; 31(5):443–9 (50 ref.)

Blood protein derivative viral safety: observations and analysis. Horowitz B. **Yale J Biol Med** 1990 Sep–Oct; 63(5):361–9 (49 ref.)

BLOOD-BRAIN BARRIER

Therapy of viral infections of the central nervous system. Griffin DE. **Antiviral Res** 1991 Jan;15(1):1–10 (69 ref.)

Transport of amino acids across the blood-brain barrier: implications for treatment of maternal phenylketonuria. Gardiner RM. **J Inherited Metab Dis** 1990;13(4):627–33 (23 ref.)

Immunological and neuropathological significance of the Virchow-Robin space. Esiri MM, et al. **J Neurol Sci** 1990 Dec;100(1–2):3–8 (69 ref.)

Mechanism of Alzheimer's disease: arguments for a neurotransmitter-aluminium complex implication. Deloncle R, et al. **Neurochem Res** 1990 Dec;15(12):1239–45 (85 ref.)

Mechanisms of blood-brain barrier breakdown. Greenwood J. **Neuroradiology** 1991;33(2):95–100 (57 ref.)

Advances in understanding the pharmacology of agents used to treat bacterial meningitis. Spector R. **Pharmacology** 1990; 41(3):113–8 (25 ref.)

DRUG EFFECTS

[Blood plasma proteins and drug transport across the hemato-encephalic barrier] Lutsevich AN, et al. **Farmakol Toksikol** 1991 Jan–Feb;54(1):70–6 (75 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Exchange of peptides between the circulation and the nervous system: role of the blood-brain barrier. Banks WA, et al. **Adv Exp Med Biol** 1990;274:59–69 (53 ref.)

Vasopressin, the blood-brain barrier, and brain performance. Ermisch A, et al. **Adv Exp Med Biol** 1990;274:71–89 (75 ref.)

Blood-brain barrier and neuroendocrine regulations. Ježová D, et al. **Adv Exp Med Biol** 1990;274:41–58 (52 ref.)

The physiology of the blood-brain barrier. Johansson BB. **Adv Exp Med Biol** 1990;274:25–39 (88 ref.)

The blood-brain barrier in diabetes mellitus. Lorenzi M. **Adv Exp Med Biol** 1990;274:381–90 (60 ref.)

Epilepsy and the blood-brain barrier [see comments] Duncan R, et al. **Br J Hosp Med** 1991 Jan;45(1):32–4 (26 ref.) Comment in: Br J Hosp Med 1991 May;45(5):264.

Measurement of blood-brain barrier permeability. Robinson PJ. **Clin Exp Pharmacol Physiol** 1990 Dec;17(12):829–40 (45 ref.)

Molecular anatomy of the blood-brain barrier as defined by immunocytochemistry. Dermietzel R, et al. **Int Rev Cytol** 1991;127:57–109 (245 ref.)

[Neuropeptides and the hemato-encephalic barrier] Marĭanovich AT, et al. **Usp Fiziol Nauk** 1991 Apr–Jun; 22(2):33–51 (119 ref.) **(Rus)**

RADIATION EFFECTS

Effects of ionizing radiation on the blood brain barrier permeability to pharmacologically active substances. Trnovec T, et al. **Int J Radiat Oncol Biol Phys** 1990 Dec; 19(6):1581–7 (68 ref.)

BLOOD CELL COUNT

Standardization and harmonization of the blood count: the role of International Committee for Standardization in Haematology (ICSH). Lewis SM. **Eur J Haematol Suppl** 1990;53:9–13 (21 ref.)

INSTRUMENTATION

Quality control of multichannel haematology analysers: critique of current methods and the need for performance goals. O'Sullivan MB. **Clin Lab Haematol** 1990;12 Suppl 1:3–12 (34 ref.)

EDTA, the traditional anticoagulant of haematology: with increased automation is it time for a review? Reardon DM, et al. **Med Lab Sci** 1991 Jan;48(1):72–5 (14 ref.)

METHODS

Methodologies to estimate circulating hematopoietic progenitors for autologous transplantation in cancer patients. Ravagnani F, et al. **Haematologica** 1991 Mar;76 Suppl 1:46–9 (21 ref.)

BLOOD CELL NUMBER see **BLOOD CELL COUNT**

BLOOD CELLS

Lymphocyte subsets in the blood: a diagnostic window on the lymphoid system? Westermann J, et al. **Immunol Today** 1990 Nov;11(11):406–10 (90 ref.)

[Topics of research in the field of preparation, modification and preservation of human blood cells as reflected by the international patent literature] Strauss D, et al. **Pharmazie** 1990 Dec;45(12):887–92 (102 ref.) **(Ger)**

CYTOLOGY

New stains for blood and bone marrow cells. Kass L. **Stain Technol** 1990;65(5):211–30 (101 ref.)

IMMUNOLOGY

Flow cytometry: its applications to immunohaematology. Garratty G. **Baillieres Clin Haematol** 1990 Apr;3(2):267–87 (74 ref.)

METABOLISM

Membrane sodium transport and salt sensitivity of blood pressure. Weder AB. **Hypertension** 1991 Jan;17(1 Suppl):I74–80 (51 ref.)

PATHOLOGY

Platelet-derived growth factor and its receptor in blood cell differentiation and neoplasia. Pantazis P, et al. **Eur J Haematol** 1990 Sep;45(3):127–38 (107 ref.)

PHYSIOLOGY

Physiologic role of heme and cytochrome P-450 in hematopoietic cells. Lutton JD, et al. **Proc Soc Exp Biol Med** 1991 Mar;196(3):260–9 (93 ref.)

Blood cell activation. Royston D. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):341–57 (129 ref.)

RADIATION EFFECTS

Variation in blood component irradiation practice: implications for prevention of transfusion-associated graft-versus-host disease. Anderson KC, et al. **Blood** 1991 May 15;77(10):2096–102 (80 ref.)

TRANSPLANTATION

Long-lasting kidney graft survival after immunization with antibody-coated blood cells: mediation by immunosuppressive autoantibodies. Terness P, et al. **Immunol Lett** 1990 Nov;26(2):139–44 (20 ref.)

BLOOD CHEMICAL ANALYSIS

INSTRUMENTATION

Relationship of quality goals and measurement performance to the selection of quality control procedures for multi-channel haematology analysers. Westgard JO, et al. **Eur J Haematol Suppl** 1990;53:14–8 (9 ref.)

METHODS

Hirudin for diagnostic purposes. Stocker K. **Haemostasis** 1991;21 Suppl 1:161–7 (13 ref.)

[Clinical evaluation of middle and low molecular weight substances in the serum] Korolev IuN, et al. **Vrach Delo** 1991 Jun;(6):10–6 (58 ref.) **(Rus)**

[The practical value of determination of plasma levels of drugs] Valiente R, et al. **Rev Med Univ Navarra** 1988 Jan–Mar;32(1):21–8 (18 ref.) **(Spa)**

STANDARDS

Analytical goals for haematology tests. Fraser CG. **Eur J Haematol Suppl** 1990;53:2–5 (17 ref.)

Internal and external quality control in the toxicological analysis of blood and urine samples in the Federal Republic of Germany. Schaller KH, et al. **Int Arch Occup Environ Health** 1991;62(8):537–42 (10 ref.)

BLOOD CIRCULATION

see related
ISCHEMIA
PLETHYSMOGRAPHY

Circulatory abnormalities and compensatory mechanisms in heart failure. Burkart F, et al. **Am J Med** 1991 May 29; 90(5B):19S–22S (38 ref.)

Peripheral adaptations in congestive heart failure: a review. Just H. **Am J Med** 1991 May 29;90(5B):23S–26S (26 ref.)

The current status of maternal and fetal blood flow velocimetry. Low JA. **Am J Obstet Gynecol** 1991 Apr; 164(4):1049–63 (148 ref.)

Magnetic resonance techniques for blood-flow measurement and vascular imaging. Rutt BK, et al. **Can Assoc Radiol J** 1991 Feb;42(1):21–30 (35 ref.)

The neural regulation of circulation explored in the frequency domain. Malliani A, et al. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S103–8 (27 ref.)

[Magnetohydrodynamic effects during blood movement] Kizilova NN, et al. **Biofizika** 1991 Jan–Feb;36(1):147–53 (45 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Pulmonary circulation and systemic circulation: similar problems, different solutions. Farhi LE, et al. **Adv Exp Med Biol** 1990;277:579–86 (7 ref.)

Reflex control of circulation in the elderly. Mancia G, et al. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1223–8 (27 ref.)

Principles of fluid dynamics and circulatory control in end-stage renal failure. Schultze G, et al.

Contrib Nephrol 1989;74:207–20 (52 ref.)
Carcinogenicity of tobacco–specific N–nitrosamines (TSNA): the role of the vascular network in the selection of target organs. Rivenson A, et al. **Crit Rev Toxicol** 1991; 21(4):255–64 (39 ref.)
Peripheral circulatory response in cardiac failure. Le Jemtel TH, et al. **Hosp Pract (Off Ed)** 1991 Sep 15;26(9):75–82 (10 ref.)
The validation of freely diffusible tracer methods with NMR detection for measurement of blood flow. Neil JJ. **Magn Reson Med** 1991 Jun;19(2):299–304 (20 ref.)
Ovarian hormones and the circulation. Sarrel PM. **Maturitas** 1990 Sep;12(3):287–98 (63 ref.)
The circulation in pregnancy. Van Den Berg AA. **Middle East J Anesthesiol** 1990 Oct;10(6):607–20 (58 ref.)
Nitric oxide and endothelins: novel autocrine/paracrine regulators of the circulation. Marsden PA, et al. **Semin Nephrol** 1991 Mar;11(2):169–85 (179 ref.)
Endothelium–derived vasoactive factors and the control of the circulation. Vane JR, et al. **Semin Perinatol** 1991 Feb; 15(1):4–10 (76 ref.)
[Regulation of blood circulation] Angyán L. **Orv Hetil** 1991 Apr 30;132(17):899–904 (29 ref.) (Eng. Abstr.) **(Hun)**
[The hormonal system of calcium metabolism regulation in the pathogenesis of blood circulation disorders] Khudaverdian DN, et al. **Usp Fiziol Nauk** 1991 Jan–Feb; 22(1):57–76 (165 ref.) **(Rus)**

BLOOD CIRCULATION, COLLATERAL see **COLLATERAL CIRCULATION**

BLOOD COAGULATION

see related
HEMOSTATICS

The initiation of the tissue factor dependent pathway of blood coagulation. Rapaport SI. **Adv Exp Med Biol** 1990; 281:97–103 (12 ref.)
Initiation of the protein C pathway. Esmon CT, et al. **Ann N Y Acad Sci** 1991;614:30–43 (56 ref.)
Surface–dependent reactions in the propagation phase of blood coagulation. Mann KG, et al. **Ann N Y Acad Sci** 1991;614:63–75 (41 ref.)
Regulation of the tissue factor pathway. Rapaport SI. **Ann N Y Acad Sci** 1991;614:51–62 (43 ref.)
Mechanisms of vitamin K antagonism. Bovill EG, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):555–81 (176 ref.)
The interaction between complement component C4b–binding protein and the vitamin K–dependent protein S forms a link between blood coagulation and the complement system. Hessing M. **Biochem J** 1991 Aug 1; 277 (Pt 3):581–92 (229 ref.)
Regulation of coagulation by a multivalent Kunitz–type inhibitor. Broze GJ Jr, et al. **Biochemistry** 1990 Aug 21; 29(33):7539–46 (97 ref.)
Platelets, coagulation, and fibrinolysis in sickle cell disease: their possible role in vascular occlusion. Francis RB Jr. **Blood Coagul Fibrinolysis** 1991 Apr;2(2):341–53 (106 ref.)
Endothelium and regulation of coagulation. Stern DM, et al. **Diabetes Care** 1991 Feb;14(2):160–6 (18 ref.)
[Lipoprotein (a)—is it a connecting link between fat metabolism and coagulation?] Riesen WF. **Z Med Lab Diagn** 1991;32(3–4):147–9 (13 ref.) **(Ger)**

DRUG EFFECTS

Characterization of snake venom principles affecting blood coagulation and platelet aggregation. Ouyang C, et al. **Adv Exp Med Biol** 1990;281:151–63 (135 ref.)
A hematologist's view of contrast media, clotting in angiography syringes and thrombosis during coronary angiography. Grabowski EF. **Am J Cardiol** 1990 Oct 26; 66(14):23F–25F (17 ref.)
Mechanism of heparin action. Jackson CM. **Baillieres Clin Haematol** 1990 Jul;3(3):483–504 (117 ref.)
Mechanisms of action of low molecular weight heparins and heparinoids. Ofosu FA, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):505–29 (131 ref.)
Heparin, monocytes, and procoagulant activity. Abbate R, et al. **Haemostasis** 1990;20 Suppl 1:98–100 (11 ref.)

GENETICS

Molecular biology of proteins involved in blood coagulation. Langner KD, et al. **Behring Inst Mitt** 1990 Oct;(86):146–69 (165 ref.)

PHYSIOLOGY

Seminars in thrombosis, thrombolysis, and vascular biology. Part 2: Coagulation and thrombosis. Becker RC. **Cardiology** 1991;78(3):257–66 (60 ref.)
Physiology of blood coagulation. Bloom AL. **Haemostasis** 1990;20 Suppl 1:14–29 (39 ref.)
Mechanism of the participation of the contact system in the Vroman effect. Review and summary. Scott CF. **J Biomater Sci Polym Ed** 1991;2(3):173–81 (33 ref.)
Blood coagulation and autologous blood transfusion in cardiac surgery. Inada E. **J Clin Anesth** 1990 Nov–Dec; 2(6):393–406 (84 ref.)
The role of the endothelium in in vivo anticoagulation. Housholder GT. **J Oral Maxillofac Surg** 1991 May; 49(5):507–11 (43 ref.)
On the coagulation of the blood: an elaboration of Lord Lister's hypothesis and the four–factor model of Morawitz. Gray CR. **Med Hypotheses** 1990 Sep;33(1):63–8 (11 ref.)
Role of antithrombin III as a regulator of in vivo coagulation. Bauer KA, et al. **Semin Hematol** 1991 Jan;28(1):10–8 (51 ref.)
[Fast–acting plasminogen activator inhibitor in the plasma] Mirowski M, et al. **Postepy Hig Med Dosw** 1989; 43(2–4):237–54 (97 ref.) (Eng. Abstr.) **(Pol)**
[Endogenous peptides—physiological regulators of coagulative conversion of fibrinogen] Byshevskiĭ ASh, et al. **Gematol Transfuziol** 1991 Apr;36(4):28–31 (24 ref.) **(Rus)**
[Intravascular coagulation in acute and chronic hepatitis] Shelest LIu, et al. **Klin Med (Mosk)** 1990 Jul;68(7):15–20 (51 ref.) **(Rus)**
[Thromboembolism and blood coagulation in congestive heart failure] Serbin VI, et al. **Pediatriia** 1991;(2):92–7 (77 ref.) **(Rus)**
[The advisability of modifying the current outline of blood coagulation] Barkagan ZS, et al. **Ter Arkh** 1990;62(7):81–6 (53 ref.) (Eng. Abstr.) **(Rus)**
[Protein C, protein S and thrombomodulin: one of the natural antithrombotic mechanisms] Lobato–Mendizábal E, et al. **Rev Invest Clin** 1990 Jan–Mar;42(1):54–62 (130 ref.) (Eng. Abstr.) **(Spa)**

BLOOD COAGULATION DISORDERS

Blood clotting problems in acute care. Hardaway RM, et al. **Acute Care** 1988–89;14–15:138–207 (263 ref.)
The management of coagulation problems in the surgical patient. Dyke C, et al. **Adv Surg** 1991;24:229–57 (91 ref.)
Epidurals, spinals and bleeding disorders in pregnancy: a review. Sage DJ. **Anaesth Intensive Care** 1990 Aug; 18(3):319–26 (85 ref.)
Congenital coagulation protein deficiencies in the perinatal period. Smith PS. **Semin Perinatol** 1990 Oct;14(5):384–92 (36 ref.)
Acquired and congenital clotting syndromes. Blaisdell FW. **World J Surg** 1990 Sep–Oct;14(5):664–9 (20 ref.)

BLOOD

Plasmatic markers of haemostatic system activation in patients with solid neoplasms. Sagripanti A, et al. **J Nucl Med Allied Sci** 1990 Oct–Dec;34(4):321–32 (37 ref.)
Immunological detection of activated platelets in clinical disorders. Abrams C, et al. **Thromb Haemost** 1991 May 6;65(5):467–73 (80 ref.)
[Paraneoplastic disorders of hemostasis] Zurborn KH, et al. **Internist (Berl)** 1990 Aug;31(8):526–31 (31 ref.) **(Ger)**
[Noncardiac risk factors in heart surgery—the blood coagulation system] Tilsner V, et al. **Z Kardiol** 1990;79 Suppl 4:63–70 (28 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

[Hemostatic changes in the stages of the formation and development of nonspecific lung diseases] Gol'denberg IuM, et al. **Klin Med (Mosk)** 1990 Oct;68(10):13–6 (53 ref.) **(Rus)**

DIAGNOSIS

Difficult pediatric diagnoses. Bruising and bleeding [published erratum appears in Pediatr Clin North Am 1991 Oct;38(5):viii] Manno CS. **Pediatr Clin North Am** 1991 Jun; 38(3):637–55 (31 ref.)
How to diagnose bleeding disorders. Colon–Otero G, et al. **Postgrad Med** 1991 Sep 1;90(3):145–50 (7 ref.)
Hemostasis in the perinatal period: approach to the diagnosis of coagulation disorders. Beardsley DS. **Semin Perinatol** 1991 Jun;15(3 Suppl 2):25–34 (41 ref.)
[Obstetrical coagulopathies—current understandings] Glavanakova V, et al. **Akush Ginekol (Sofiia)** 1991; 30(2):46–53 (62 ref.) **(Bul)**

ETIOLOGY

Coagulation factors in nephrotic syndrome. Kanfer A. **Am J Nephrol** 1990;10 Suppl 1:63–8 (59 ref.)
Hemostatic abnormalities in HIV disease. Stricker RB. **Hematol Oncol Clin North Am** 1991 Apr;5(2):249–65 (140 ref.)
[Hemostasis anomalies in sugar diabetes] Schernthaner G, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:91–108 (92 ref.) **(Fre)**
[Hemostatic disorders in acute and chronic leukemias. Pathogenesis and therapy] Woitinas F. **Dtsch Med Wochenschr** 1991 Jul 26;116(30):1154–9 (30 ref.) **(Ger)**
[Hematopoietic organ and bleeding tendency] Terada H. **Nippon Rinsho** 1991 Apr;49(4):859–64 (16 ref.) **(Jpn)**
[Disorders of hemostasis in atherosclerosis in middle–aged and aged patients] Titova MI, et al. **Sov Med** 1990;(9):31–4 (57 ref.) **(Rus)**

GENETICS

[Hereditary deficiency of antithrombin III, protein C and protein S. A study of 31 patients from 8 unrelated families] Lefrançois C, et al. **Ann Fr Anesth Reanim** 1990;9(6):485–94 (39 ref.) (Eng. Abstr.) **(Fre)**

BLOOD COAGULATION FACTORS

ADVERSE EFFECTS

Prothrombinex–induced thrombosis and its management with regional plasminogen activator in hepatic failure. Anderson BJ, et al. **Med J Aust** 1990 Sep 17;153(6):352, 355–6 (10 ref.)

GENETICS

Epidermal growth factor–like domains in the vitamin K–dependent clotting factors. Some structure–function relationships. Stenflo J, et al. **Ann N Y Acad Sci** 1991; 614:11–29 (89 ref.)
Molecular biology of proteins involved in blood coagulation. Langner KD, et al. **Behring Inst Mitt** 1990 Oct;(86):146–69 (165 ref.)

IMMUNOLOGY

Anticardiolipin antibodies and lupus anticoagulants. Lockshin MD. **Curr Opin Rheumatol** 1990 Oct;2(5):708–11 (21 ref.)
Lupus anticoagulant and anticardiolipin antibodies in pregnancy: a review. II. Diagnosis and management. Hadi HA, et al. **Obstet Gynecol Surv** 1990 Nov;45(11):786–91 (31 ref.)
Lupus anticoagulant and anticardiolipin antibodies in pregnancy: a review. I. Immunochemistry and clinical implications. Hadi HA, et al. **Obstet Gynecol Surv** 1990 Nov;45(11):780–5 (36 ref.)
The 'antiphospholipid syndrome' and the 'lupus anticoagulant'. Cameron JS, et al. **Pediatr Nephrol** 1990 Nov;4(6):663–78 (184 ref.)
[Lupus anticoagulants and antiphospholipid antibodies] Ichikawa Y. **Ryumachi** 1991 Feb;31(1):78–85 (144 ref.) **(Jpn)**

METABOLISM

Coagulation factors in nephrotic syndrome. Kanfer A. **Am J Nephrol** 1990;10 Suppl 1:63–8 (59 ref.)
Clotting factors in tumour tissue: implications for cancer therapy. Zacharski LR, et al. **Blood Coagul Fibrinolysis** 1990 Mar–Apr;1(1):71–8 (79 ref.)
[Review: heparin. 1. Methods of determination and inhibitory mechanisms of some coagulation factors] Kaše F, et al. **Folia Haematol (Leipz)** 1990;117(6):887–903 (173 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

The initiation of the tissue factor dependent pathway of blood coagulation. Rapaport SI. **Adv Exp Med Biol** 1990; 281:97–103 (12 ref.)
Regulation of the tissue factor pathway. Rapaport SI. **Ann N Y Acad Sci** 1991;614:51–62 (43 ref.)

THERAPEUTIC USE

Transfusion and coagulation factor–acquired human immunodeficiency virus infection. Eyster ME. **Pediatr Infect Dis J** 1991 Jan;10(1):50–6 (63 ref.)

BLOOD COAGULATION TESTS

Hirudin for diagnostic purposes. Stocker K. **Haemostasis** 1991;21 Suppl 1:161–7 (13 ref.)
[Noncardiac risk factors in heart surgery—the blood coagulation system] Tilsner V, et al. **Z Kardiol** 1990;79 Suppl 4:63–70 (28 ref.) (Eng. Abstr.) **(Ger)**

TRENDS

[New methods and equipment for studying the hemostatic system (review of the literature)] Rusiaev VF. **Lab Delo** 1991;(2):40–3 (31 ref.) (Eng. Abstr.) **(Rus)**

BLOOD COMPONENT REMOVAL

Extracorporeal LDL cholesterol removal: role of LDL–pheresis in combination with other hypolipidemic therapy to regress vascular disease. Saal SD, et al. **Am J Med** 1989 Nov;87(5N):68N–74N (46 ref.)
Hemapheresis in systemic lupus erythematosus. Rifle G, et al. **Clin Exp Rheumatol** 1990 Jul–Aug;8 Suppl 5:51–5 (33 ref.)
The current status of low–density lipoprotein apheresis. Borberg H, et al. **Curr Stud Hematol Blood Transfus** 1990; (57):239–48 (13 ref.)
Therapeutic apheresis in human immunodeficiency virus–related syndromes. Kiprov DD, et al. **Curr Stud Hematol Blood Transfus** 1990;(57):184–97 (49 ref.)
[Coronary revascularization with reduction of serum cholesterol level using LDL apheresis in patient with homozygous familial hypercholesterolemia] Takahashi T, et al. **Kokyu To Junkan** 1990 Sep;38(9):925–30 (14 ref.) (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

Available removal systems: state of the art. Sawada K, et al. **Curr Stud Hematol Blood Transfus** 1990;(57):51–113 (135 ref.)

BLOOD COMPONENT REMOVAL

METHODS

Efficacy of plasmapheresis, cascade-filtration and dextran-sulfate adsorption apheresis with calculation of the recovery rate of lipids and lipoproteins. Schwartzkopff W, et al. **Beitr Infusionther** 1988;23:103–11 (8 ref.)

[The extracorporeal elimination of LDL cholesterol by apheresis. The indications and methods] Olbricht CJ. **Dtsch Med Wochenschr** 1991 Apr 19;116(16):625–30 (28 ref.) **(Ger)**

STANDARDS

Blood protein derivative viral safety: observations and analysis. Horowitz B. **Yale J Biol Med** 1990 Sep–Oct; 63(5):361–9 (49 ref.)

TRENDS

Apheresis in transition. Klein HG. **Curr Stud Hematol Blood Transfus** 1990;(57):1–9 (33 ref.)

BLOOD DISEASES see **HEMATOLOGIC DISEASES**

BLOOD DONORS

Transfusion transmitted viral infections—recent developments in blood donor screening. Yap PL. **Postgrad Med J** 1990 Nov;66(781):906–9 (7 ref.)

Trypanosoma cruzi, the etiologic agent of Chagas' disease: status in the blood supply in endemic and nonendemic countries. Schmuñis GA. **Transfusion** 1991 Jul–Aug; 31(6):547–57 (112 ref.)

Transfusion-transmitted diseases other than AIDS and hepatitis. Bove JR. **Yale J Biol Med** 1990 Sep–Oct; 63(5):347–51 (20 ref.)

[Distribution of apolipoprotein A I and B in the blood according to age and gender, as well as their relation to blood cholesterol levels in the Hungarian blood donor population] Császár A, et al. **Orv Hetil** 1991 Aug 18; 132(33):1795–800 (30 ref.) (Eng. Abstr.) **(Hun)**

[Incidence of hepatitis C virus antibodies in blood donors, high risk patient groups, liver diseases and health professionals. Multicenter study of the ABBOT ELISA method, comparison with the ORTHO test] Pár A. **Orv Hetil** 1991 May 5;132(18):955–9 (19 ref.) (Eng. Abstr.) **(Hun)**

BLOOD DOPING see **DOPING IN SPORTS**

BLOOD EXPANDERS see **PLASMA SUBSTITUTES**

BLOOD FLOW VELOCITY

Magnetic resonance velocity mapping. Underwood SR, et al. **Clin Phys Physiol Meas** 1990;11 Suppl A:37–43 (21 ref.)

Optimal pressures and flows during cardiopulmonary bypass. Pro: a low-flow, low-pressure technique is acceptable. Garman JK. **J Cardiothorac Vasc Anesth** 1991 Aug; 5(4):399–401 (10 ref.)

Optimal pressures and flows during cardiopulmonary bypass. Con: pressure is more important than flow. Hecker BR, et al. **J Cardiothorac Vasc Anesth** 1991 Aug;5(4):402–4 (20 ref.)

Velocity quantification in magnetic resonance imaging. Haacke EM, et al. **Top Magn Reson Imaging** 1991 Jun; 3(3):34–49 (115 ref.)

PHYSIOLOGY

[Color-coded blood flow imaging in abdominal vessels] Gebel M. **Bildgebung** 1990;57(3–4):56–63 (34 ref.) (Eng. Abstr.) **(Ger)**

BLOOD GAS ANALYSIS

METHODS

[Blood gas analysis: principles—indications—methods—interpretation] Harnoncourt K. **Verh Dtsch Ges Inn Med** 1990;96:719–27 (9 ref.) **(Ger)**

TRENDS

Assessment of oxygenation: today and tomorrow. Shapiro BA. **Scand J Clin Lab Invest Suppl** 1990;203:197–202 (25 ref.)

BLOOD GAS MONITORING, TRANSCUTANEOUS

Non-invasive monitoring in the pediatric ICU, Part I: Transcutaneous oxygen monitoring (PtcO2). Ravindranath T. **Indian J Pediatr** 1990 Mar–Apr;57(2):169–73 (16 ref.)

Non-invasive monitoring in the pediatric ICU, Part II: Transcutaneous carbon dioxide monitoring (PtcCO2). Ravindranath T. **Indian J Pediatr** 1990 Mar–Apr; 57(2):175–8 (17 ref.)

METHODS

[Transcutaneous PCO2 determination in neonatology] Schultz MJ, et al. **Tijdschr Kindergeneeskd** 1991 Apr; 59(2):44–50 (18 ref.) (Eng. Abstr.) **(Dut)**

BLOOD GLUCOSE

see related
GLUCOSE CLAMP TECHNIQUE
GLUCOSE TOLERANCE TEST
HYPERGLYCEMIA
HYPOGLYCEMIA

Glucose management during cardiopulmonary bypass: cardiovascular and neurologic implications [editorial; comment] Lanier WL. **Anesth Analg** 1991 Apr;72(4):423–7 (33 ref.) Comment on: Anesth Analg 1991 Apr;72(4):428–34.

ANALYSIS

Biosensors for intracorporeal measurements: problems and strategies. Wilson GS, et al. **Biochem Soc Trans** 1991 Feb; 19(1):9–11 (9 ref.)

Blood glucose level and morphological brain damage following cerebral ischemia. Marie C, et al. **Cerebrovasc Brain Metab Rev** 1991 Spring;3(1):29–38 (76 ref.)

Glycemic control in elderly people with diabetes. Froom J. **Clin Geriatr Med** 1990 Nov;6(4):933–41 (38 ref.)

Correlation between glycemia and glycated hemoglobin. Service FJ. **Compr Ther** 1990 Jul;16(7):33–40 (24 ref.)

Fundamentals of glucose sensors. Fischer U. **Diabetic Med** 1991 May;8(4):309–21 (105 ref.)

The glucose sensor: the missing link in diabetes therapy. Pfeiffer EF. **Horm Metab Res Suppl** 1990;24:154–64 (33 ref.)

BIOSYNTHESIS

Insulin agonist therapy: a challenge for the 1990s. Galloway JA, et al. **Clin Ther** 1990 Nov–Dec;12(6):460–72; discussion 459 (35 ref.)

DRUG EFFECTS

[Glycemic equilibrium and weight evolution in diabetics taking metformin] Isnard F, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:297–314 (33 ref.) **(Fre)**

METABOLISM

Antihypertensive agents, serum lipoproteins and glucose metabolism. Ferrari P, et al. **Am J Cardiol** 1991 Apr 22; 67(10):26B–35B (124 ref.)

Computer model for mechanisms underlying ultradian oscillations of insulin and glucose. Sturis J, et al. **Am J Physiol** 1991 May;260(5 Pt 1):E801–9 (38 ref.)

Problems of clinical data interpretation. Vadgama P, et al. **Biochem Soc Trans** 1991 Feb;19(1):11–5 (24 ref.)

The clinical utility of the glycemic index and its application to mixed meals. Hollenbeck CB, et al. **Can J Physiol Pharmacol** 1991 Jan;69(1):100–7 (32 ref.)

Insulin receptor binding and glucose metabolism in normal human pregnancy and gestational diabetes mellitus. A review. Andersen O. **Dan Med Bull** 1990 Dec;37(6):492–501 (149 ref.)

Does tight glucose control enhance brain sensitivity to low glucose? [editorial] Herold KC, et al. **Diabetes Care** 1991 Feb;14(2):141–3 (17 ref.)

Blood glucose levels in diabetic and non-diabetic subjects. Tchobroutsky G. **Diabetologia** 1991 Feb;34(2):67–73 (46 ref.)

Transient declines in blood glucose signal meal initiation. Campfield LA, et al. **Int J Obes** 1990;14 Suppl 3:15–31; discussion 31–4 (40 ref.)

Mechanisms of blood glucose homeostasis. Hers HG. **J Inherited Metab Dis** 1990;13(4):395–410 (25 ref.)

Glucose: a fuel for thought! Aynsley-Green A. **J Paediatr Child Health** 1991 Feb;27(1):21–30 (36 ref.)

Cori cycle contribution to plasma glucose appearance in man. Hoffer LJ. **JPEN J Parenter Enteral Nutr** 1990 Nov–Dec; 14(6):646–8 (29 ref.)

Effects of exercise training on glucose control, lipid metabolism, and insulin sensitivity in hypertriglyceridemia and non-insulin dependent diabetes mellitus. Lampman RM, et al. **Med Sci Sports Exerc** 1991 Jun;23(6):703–12 (60 ref.)

Plasma glucose metabolism during exercise in humans. Coggan AR. **Sports Med** 1991 Feb;11(2):102–24 (123 ref.)

[Control of diabetes mellitus] Daweke H. **Verh Dtsch Ges Inn Med** 1990;96:175–82 (19 ref.) **(Ger)**

[The significance of the Maillard reaction in human physiology] Schleicher E. **Z Ernahrungswiss** 1991 Feb; 30(1):18–28 (46 ref.) (Eng. Abstr.) **(Ger)**

[Central nervous system regulation of the endocrine pancreas] Siegel EG. **Z Gastroenterol Verh** 1991 Mar; 26:244–7 (30 ref.) **(Ger)**

[Arterial hypertension and insulin resistance: physiopathogenic and therapeutic implications] Ribeiro AB, et al. **Arq Bras Cardiol** 1991 Mar;56(3):185–8 (23 ref.) **(Por)**

[Changes in glucose homeostasis in sepsis—a review] Ahrén B, et al. **Lakartidningen** 1991 Mar 6;88(10):871–3 (15 ref.) **(Swe)**

PHYSIOLOGY

Circulating blood glucose and hypothalamic-pituitary secretion. Grino M, et al. **Adv Exp Med Biol** 1990; 274:391–406 (58 ref.)

Hyperthermia and hyperglycemia in the tumors therapy. Osinsky S, et 'al. **Adv Exp Med Biol** 1990;267:457–62 (8 ref.)

Procedures for improving therapeutic gain. Osinsky S, et al. **Adv Exp Med Biol** 1990;267:251–70 (27 ref.)

Enhancing thermoradiotherapy efficacy by hyperglycemia. Yarmonenko SP, et al. **Adv Exp Med Biol** 1990;267:463–70 (5 ref.)

The effect of pre-anaesthetic fasting on blood glucose level in children undergoing surgery. Shah M, et al. **JPMA** 1990 Oct;40(10):243–5 (10 ref.)

BLOOD GLUCOSE SELF-MONITORING

INSTRUMENTATION

Blood glucose monitors: technology for home healthcare. Hook WC, et al. **J Am Osteopath Assoc** 1991 Feb; 91(2):177–81 (6 ref.)

Portable blood glucose meters. Teaching patients how to correctly monitor diabetes. Burritt MF, et al. **Postgrad Med** 1991 Mar;89(4):75–8, 81, 84 (13 ref.)

METHODS

[A proposed model of the treatment of diabetes mellitus in pregnancy] Strojek K, et al. **Pol Tyg Lek** 1990 Mar 10–26; 45(12–13):261–3 (16 ref.) (Eng. Abstr.) **(Pol)**

BLOOD GROUP INCOMPATIBILITY

THERAPY

Recommendations for the evaluation and treatment of neonatal autoimmune and alloimmune thrombocytopenia. The Working Party on Neonatal Immune Thrombocytopenia of the Neonatal Hemostasis Subcommittee of the Scientific and Standardization Committee of the ISTH. Bussel J, et al. **Thromb Haemost** 1991 May 6;65(5):631–4 (38 ref.)

BLOOD GROUPING AND CROSSMATCHING

The crossmatch. Napier JA. **Br J Haematol** 1991 May; 78(1):1–4 (28 ref.)

INSTRUMENTATION

Automation in blood grouping: impact of microplate technology. Whitrow W, et al. **Baillieres Clin Haematol** 1990 Apr;3(2):255–66 (22 ref.)

METHODS

Monoclonal antibodies as blood grouping reagents. Voak D. **Baillieres Clin Haematol** 1990 Apr;3(2):219–42 (66 ref.)

[DNA analyses in forensic investigations] Lindblom B, et al. **Lakartidningen** 1991 May 29;88(22):2055–9 (14 ref.) (Eng. Abstr.) **(Swe)**

BLOOD GROUPS

see related
COOMBS' TEST
ISOANTIBODIES
ISOANTIGENS
PATERNITY

IMMUNOLOGY

Distribution of histo-blood group antigens in cervical and uterine endometrium. Stubbe Teglbjaerg C, et al. **APMIS Suppl** 1991;23:100–6 (47 ref.)

Flow cytometry: its applications to immunohaematology. Garratty G. **Baillieres Clin Haematol** 1990 Apr;3(2):267–87 (74 ref.)

MNSs and Gerbich blood group systems. Moulds JJ, et al. **Immunol Ser** 1989;43:713–41 (154 ref.)

Immunohematology. Virella G, et al. **Immunol Ser** 1990; 50:375–94 (8 ref.)

PHYSIOLOGY

Biological roles of blood group antigens. Marsh WL. **Yale J Biol Med** 1990 Sep–Oct;63(5):455–60 (22 ref.)

BLOOD LOSS, SURGICAL

see related
HEMOSTASIS, SURGICAL

The management of coagulation problems in the surgical patient. Dyke C, et al. **Adv Surg** 1991;24:229–57 (91 ref.)

The impact of medical therapy on hemorrhagic complications following coronary artery bypass grafting [see comments] Becker RC, et al. **Arch Intern Med** 1990 Oct; 150(10):2016–21 (66 ref.) Comment in: Arch Intern Med 1991 Jul;151(7):1458, 1462.

[Hemodilution and peroperative autotransfusion during harvest for bone marrow graft] Ranchère JY, et al. **Ann Fr Anesth Reanim** 1990;9(6):480–4 (18 ref.) (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Blood conservation in cardiac surgery. Scott WJ, et al. **Ann Thorac Surg** 1990 Nov;50(5):843–51 (73 ref.)
Aprotinin, erythropoietin, and blood substitutes. D'Ambra MN, et al. **Int Anesthesiol Clin** 1990 Fall;28(4):237–40 (20 ref.)
Desmopressin and antifibrinolytics. Horrow JC. **Int Anesthesiol Clin** 1990 Fall;28(4):230–6 (47 ref.)
Blood conservation. Chavez AM, et al. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):358–63 (29 ref.)
[Use of the methods of gravitative surgery of the blood in cardiac surgery] Matveev SA. **Klin Khir** 1990;(10):48–52 (35 ref.) **(Rus)**

BLOOD PLASMA see **PLASMA**

BLOOD PLASMA VOLUME see **PLASMA VOLUME**

BLOOD PLATELET DISORDERS

The clinical importance of acquired abnormalities of platelet function [see comments] George JN, et al. **N Engl J Med** 1991 Jan 3;324(1):27–39 (215 ref.) Comment in: N Engl J Med 1991 Jun 6;324(23):1670–2.

BLOOD

Immunological detection of activated platelets in clinical disorders. Abrams C, et al. **Thromb Haemost** 1991 May 6;65(5):467–73 (80 ref.)

COMPLICATIONS

Immune thrombocytopenia and May–Hegglin anomaly during pregnancy. Siddiqui T, et al. **J Fla Med Assoc** 1991 Feb;78(2):88–92 (29 ref.)

GENETICS

Inherited disorders of platelets and megakaryocytes. Nurden AT, et al. **Prog Clin Biol Res** 1990;356:333–46 (35 ref.)

BLOOD PLATELETPHERESIS see **PLATELETPHERESIS**

BLOOD PLATELETS

see related
PLATELET ACTIVATION
PLATELET ADHESIVENESS
PLATELET AGGREGATION
PLATELET AGGREGATION INHIBITORS
PLATELET FUNCTION TESTS

Nuclear medicine and atherosclerosis. Sinzinger H, et al. **Eur J Nucl Med** 1990;17(3–4):160–78 (181 ref.)
Viability testing of radio-labelled platelets; an updated survey. Hardeman MR. **Prog Clin Biol Res** 1990;355:11–6 (33 ref.)

CYTOLOGY

Role of thrombopoietin in controlling blood platelet production. McDonald TP, et al. **Prog Clin Biol Res** 1990; 356:219–30 (21 ref.)

DRUG EFFECTS

Effects of cigarette smoke and nicotine on platelets and experimental coronary artery thrombosis. Folts JD, et al. **Adv Exp Med Biol** 1990;273:339–58 (66 ref.)
Cigarette smoking and platelet function: relation to nicotine, carbon monoxide and saturated fat. Renaud S. **Adv Exp Med Biol** 1990;273:161–71 (23 ref.)
Platelet function tests in the assessment of antithrombotic agents [editorial; comment] Greaves M. **Br J Clin Pharmacol** 1990 Aug;30(2):175–7 (16 ref.) Comment on: Br J Clin Pharmacol 1990 Aug;30(2):179–86.
Recombinant t-PA and platelet activity. Becker RC. **Cleve Clin J Med** 1990 Sep;57(6):537–41 (29 ref.)
Ticlopidine. An updated review of its pharmacology and therapeutic use in platelet-dependent disorders [published erratum appears in Drugs 1990 Oct;40(4):following Table of Contents] McTavish D, et al. **Drugs** 1990 Aug; 40(2):238–59 (122 ref.)
Blood viscosity and platelet function in thrombolytic therapy of acute myocardial infarction. Hoffmann JJ. **Eur Heart J** 1990 Aug;11 Suppl F:29–35 (51 ref.)
Oxidative status and oral contraceptive. Its relevance to platelet abnormalities and cardiovascular risk. Ciavatti M, et al. **Free Radic Biol Med** 1991;10(5):325–38 (171 ref.)
Pharmacology of the nitrovasodilators. Antianginal, antihypertensive, and antiplatelet actions. Gold ME. **Nurs Clin North Am** 1991 Jun;26(2):437–50 (43 ref.)
Stimulators of megakaryocyte development and platelet production. Williams N. **Prog Growth Factor Res** 1990; 2(2):81–95 (110 ref.)
Interaction of heparinoids with platelets: comparison with heparin and low molecular weight heparins. Messmore HL, et al. **Semin Thromb Hemost** 1991;17 Suppl 1:57–9 (14 ref.)
Mode of action of PGI2 and of its stable derivative iloprost on platelets and leukocytes. Tremoli E, et al. **Thromb Res Suppl** 1990;11:33–42 (57 ref.)
Fish oil and the platelet–blood vessel wall interaction. Vanhoutte PM, et al. **World Rev Nutr Diet** 1991;66:233–44 (41 ref.)
[Effects of endotoxin on platelet] He K, et al. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):69–72 (41 ref.) **(Chi)**
[Effects of antihypertensive agents on lipoproteins and thrombocyte function] Birkebaek NH. **Ugeskr Laeger** 1990 Sep 24;152(39):2837–40 (30 ref.) (Eng. Abstr.) **(Dan)**
[Heparin and blood platelets] Komarnicki M, et al. **Pol Tyg Lek** 1989 Oct 2–16;44(40–42):899–901 (34 ref.) **(Pol)**

ENZYMOLOGY

Structure and properties of a secretable phospholipase A2 from human platelets. Kramer RM, et al. **Adv Exp Med Biol** 1990;275:35–53 (78 ref.)
Structural and enzymological properties of cellular phospholipases A2. van den Bosch H, et al. **Biochem Soc Trans** 1990 Oct;18(5):781–5 (40 ref.)
[Endothelial cell proteases and their modulation by platelets] Menashi S, et al. **Pathol Biol (Paris)** 1990 Dec;38(10):1015–9 (33 ref.) (Eng. Abstr.) **(Fre)**
[An optimal method of determining the level of cathepsin A in blood platelet homogenates] Ostrowska H. **Rocz Akad Med Bialymst** 1988–89;33–34:33–41 (29 ref.) (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Effector functions of platelets in parasitic diseases and their regulation by cytokines. Auriault C, et al. **Diagn Microbiol Infect Dis** 1990 Sep–Oct;13(5):423–7 (21 ref.)
Platelet IgG: measurement, interpretation, and clinical significance. George JN. **Prog Hemost Thromb** 1991; 10:97–126 (147 ref.)
Platelets in inflammatory glomerular injury. Johnson RJ. **Semin Nephrol** 1991 May;11(3):276–84 (73 ref.)

METABOLISM

Affinity labeling of nucleotide binding sites of enzymes and platelets. Colman RF. **Adv Exp Med Biol** 1990;281:257–63 (13 ref.)
Vascular and platelet eicosanoids, smoking and atherosclerosis. Jeremy JY, et al. **Adv Exp Med Biol** 1990; 273:135–46 (63 ref.)
Role of insulin receptors in the expression of prostaglandin E1 binding activity in platelets. Kahn NN, et al. **Adv Exp Med Biol** 1990;281:271–6 (18 ref.)
The regulation of Ca2+ accumulation and phospholipid metabolism in human platelets. Rittenhouse SE, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:370–4 (16 ref.)
Peripheral indices of central serotonin function in humans. Murphy DL. **Ann N Y Acad Sci** 1990;600:282–95; discussion 295–6 (108 ref.)
Approaches to the purification of the 5-hydroxytryptamine reuptake system from human blood platelets. Biessen EA, et al. **Biochem Soc Trans** 1991 Feb;19(1):103–11 (48 ref.)
Substrate and inhibitor binding and translocation by the platelet plasma membrane serotonin transporter. Humphreys CJ, et al. **Biochem Soc Trans** 1991 Feb; 19(1):95–8 (14 ref.)
Probing the platelet plasma-membrane 5-hydroxytryptamine transporter. Williams DC, et al. **Biochem Soc Trans** 1991 Feb;19(1):112–4 (14 ref.)
Phospholipid-mediated signaling in receptor activation of human platelets. Nozawa Y, et al. **Biochim Biophys Acta** 1991 Apr 3;1082(3):219–38 (253 ref.)
Monitoring the release of glycocalicin in platelet concentrates by ELISA. Bessos H, et al. **Blood Coagul Fibrinolysis** 1991 Apr;2(2):373–6 (27 ref.)
GPIIb–IIIa: the responsive integrin. Phillips DR, et al. **Cell** 1991 May 3;65(3):359–62 (21 ref.)
Extracellular proteins that modulate cell–matrix interactions. SPARC, tenascin, and thrombospondin. Sage EH, et al. **J Biol Chem** 1991 Aug 15;266(23):14831–4 (81 ref.)
GMP-140: a receptor for neutrophils and monocytes on activated platelets and endothelium. McEver RP. **J Cell Biochem** 1991 Feb;45(2):156–61 (36 ref.)
Interaction of receptors for prostaglandin E1/prostacyclin and insulin in human erythrocytes and platelets. Dutta-Roy AK, et al. **Life Sci** 1991;49(16):1129–39 (109 ref.)
Platelet von Willebrand factor. Gralnick HR, et al. **Mayo Clin Proc** 1991 Jun;66(6):634–40 (37 ref.)
Binding of some antidepressants to the 5-hydroxytryptamine transporter in brain and platelets. Marcusson JO, et al. **Psychopharmacology (Berl)** 1990;102(2):145–55 (132 ref.)
[Thrombocyte growth factor] Buck C, et al. **Immun Infekt** 1990 Aug;18(4):132–5 (50 ref.) (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Retroviral antigen expression on megakaryocytes and platelets: possible implications in the pathogenesis of thrombocytopenia. Grau GE, et al. **Prog Clin Biol Res** 1990;356:275–86 (23 ref.)

PHYSIOLOGY

Histophysiology of the circulating platelet. Wurzinger LJ. **Adv Anat Embryol Cell Biol** 1990;120:1–96 (296 ref.)
Atherosclerosis alters the response to activated platelets and leukocytes. Heistad DD, et al. **Adv Exp Med Biol** 1990; 273:173–80 (25 ref.)
Smoking, platelet reactivity and fibrinogen. Kutti J. **Adv Exp Med Biol** 1990;273:129–34 (37 ref.)
Platelet–vessel wall interactions in individuals who smoke cigarettes. Murray JJ, et al. **Adv Exp Med Biol** 1990; 273:189–98 (49 ref.)
Platelets in the pathogenesis of atherosclerosis. Siess W. **Adv Exp Med Biol** 1990;273:119–27 (40 ref.)
The pharmacology and clinical pharmacology of defibrotide: a new profibrinolytic, antithrombotic and anti-platelet substance. Ulutin ON, et al. **Adv Exp Med Biol** 1990; 281:429–38 (54 ref.)
Roles of GTP-binding proteins and protein kinase C in signal transduction in the platelet. Haslam RJ, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:364–9 (19 ref.)
T cells, macrophages and platelets in asthma. Palma-Carlos AG, et al. **Allerg Immunol (Paris)** 1991 Jun;23(6):234–8 (24 ref.)
The clinical spectrum of thrombocytosis and thrombocythemia. Frenkel EP. **Am J Med Sci** 1991 Jan; 301(1):69–80 (95 ref.)
Monoclonal antibodies to platelet glycoprotein IIb/IIIa as antithrombotic agents. Coller BS, et al. **Ann N Y Acad Sci** 1991;614:193–213 (74 ref.)
ADP receptors in platelets. Colman RW. **Ann N Y Acad Sci** 1990;603:198–209; discussion 209–10 (38 ref.)
Adhesive interactions of platelets and their blockade. Hawiger J. **Ann N Y Acad Sci** 1991;614:270–8 (76 ref.)
The phosphatidylinositol pathway of platelets and vascular cells. Majerus PW, et al. **Ann N Y Acad Sci** 1991;614:44–50 (49 ref.)
Platelet adhesion to extracellular matrices of cultured cells. Sixma JJ, et al. **Ann N Y Acad Sci** 1991;614:181–92 (59 ref.)
von Willebrand factor and platelet function. Weiss HJ. **Ann N Y Acad Sci** 1991;614:125–37 (112 ref.)
Platelets, coagulation, and fibrinolysis in sickle cell disease: their possible role in vascular occlusion. Francis RB Jr. **Blood Coagul Fibrinolysis** 1991 Apr;2(2):341–53 (106 ref.)
von Willebrand factor and platelet interactions with the vessel wall. Fressinaud E, et al. **Blood Coagul Fibrinolysis** 1991 Apr;2(2):333–40 (58 ref.)
Platelets and thrombosis in vein graft occlusion: role and prevention. Lam JY, et al. **Cardiovasc Clin** 1991;21(2):67–81 (82 ref.)
Pathophysiology of myocardial ischemia: importance of platelet–vessel wall interactions. Parratt JR. **Cardiovasc Drugs Ther** 1988 May;2(1):35–40 (39 ref.)
Platelet-mediated foam cell formation in atherosclerosis. Curtiss LK, et al. **Clin Invest Med** 1990 Aug;13(4):189–95 (18 ref.)
Platelet abnormalities in myeloproliferative disorders. Holme S, et al. **Clin Lab Med** 1990 Dec;10(4):873–88 (124 ref.)
Platelet receptors in hemostasis. Andrews RK, et al. **Curr Opin Cell Biol** 1990 Oct;2(5):894–901 (30 ref.)
Platelet beta-adrenoceptor function. Experimental and clinical studies with special reference to age and stress. Winther-Hansen K. **Dan Med Bull** 1991 Apr;38(2):159–78 (143 ref.)
Platelet reactivity and arachidonic acid metabolism in type II hyperlipoproteinaemia and its modification by cholesterol-lowering agents. Schrör K. **Eicosanoids** 1990; 3(2):67–73 (70 ref.)
Psychosocial stress, personality and blood platelet behavior: implications for psychophysiologic and psychoneuroimmunologic research. Baltrusch HJ, et al. **Int J Neurosci** 1990 Apr;51(3–4):237–9 (4 ref.)
Growth regulatory proteins from human platelets. Heldin CH, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:81–92 (73 ref.)
The role of platelets, thrombin and hyperplasia in restenosis after coronary angioplasty. Ip JH, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):77B–88B (107 ref.)
Effects of ethanol on platelets [editorial] Rubin R. **Lab Invest** 1990 Dec;63(6):729–32 (39 ref.)
The molecular biology of occlusive stroke in childhood. Shuman RM. **Neurol Clin** 1990 Aug;8(3):553–70 (89 ref.)
Aspirin and platelets in relation to cerebrovascular disease. Born GV. **Stroke** 1990 Dec;21(12 Suppl):IV29–31 (31 ref.)
Platelets as a source of vasoactive mediators. Schrör K, et al. **Stroke** 1990 Dec;21(12 Suppl):IV32–5 (49 ref.)
Platelet membrane glycoproteins: role in primary hemostasis and component antigens. Beardsley DS. **Yale J Biol Med** 1990 Sep–Oct;63(5):469–75 (21 ref.)
[Effect of hypercholesterolemia on function of platelets] Qi AD. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):310–3 (29 ref.) **(Chi)**
[Blood platelets and the elderly. Relation to the arterial wall and hemostasis] Boisseau MR. **Ann Cardiol Angeiol (Paris)** 1991 May;40(5):239–42 (21 ref.) **(Fre)**
[Review: heparin. 2. Effect on thrombocytes, vascular walls and fibrinolysis] Kaše F, et al. **Folia Haematol (Leipz)** 1990; 117(6):905–15 (96 ref.) (Eng. Abstr.) **(Ger)**
[Thrombocytic- and erythrocytic-hormonal interrelationships in endocrine system pathology] Mrochek AG, et al. **Patol Fiziol Eksp Ter** 1990 Sep–Oct;(5):56–9

(128 ref.) **(Rus)**
[Functional activity of thrombocytes and granulocytes of donor blood after selective removal of fibronectin] Mamtseva GI, et al. **Vestn Akad Med Nauk SSSR** 1991; (2):45–6 (10 ref.) (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

ESPRE—expert system for platelet request evaluation. Connelly DP, et al. **Am J Clin Pathol** 1990 Oct;94(4 Suppl 1):S19–24 (22 ref.)
Prevention of alloimmunization against platelets [editorial] Schiffer CA. **Blood** 1991 Jan 1;77(1):1–4 (38 ref.)
Clinical aspects of platelet transfusions. Murphy MF, et al. **Blood Coagul Fibrinolysis** 1991 Apr;2(2):389–96 (101 ref.)
An overview of current quality control procedures in platelet storage lesion and transfusion. Seghatchian MJ. **Blood Coagul Fibrinolysis** 1991 Apr;2(2):357–60 (12 ref.)
Platelet transfusions irradiated with ultraviolet-B light may have a role in reducing recipient alloimmunization. Tandy NP, et al. **Blood Coagul Fibrinolysis** 1991 Apr;2(2):383–8 (38 ref.)
Transfusion-induced graft-versus-host disease in patients with malignant lymphoma. A case report and review of the literature. Spitzer TR, et al. **Cancer** 1990 Dec 1; 66(11):2346–9 (31 ref.)
Prevention and circumvention of refractoriness to platelet transfusions: interface between preparative and therapeutic apheresis. Beris P, et al. **Curr Stud Hematol Blood Transfus** 1990;(57):267–76 (35 ref.)
Optimal use of blood components. Gravlee GP. **Int Anesthesiol Clin** 1990 Fall;28(4):216–22 (37 ref.)
Prevention of HLA alloimmunization: role of leukocyte depletion and UV-B irradiation. Snyder EL. **Yale J Biol Med** 1990 Sep–Oct;63(5):419–27 (42 ref.)
[Intravascular platelet transfusion in utero for the treatment of immunologic thrombocytopenic purpura: a case report] Takagi T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1991 Mar;43(3):357–60 (13 ref.) **(Jpn)**

ULTRASTRUCTURE

Delivery of platelets from megakaryocytes. White JG. **Prog Clin Biol Res** 1990;356:25–39 (13 ref.)
[The cytoskeleton of platelets] Spangenberg P. **Acta Histochem Suppl** 1990;39:385–95 (75 ref.) (Eng. Abstr.) **(Ger)**
[Ultrastructural changes in thrombocytes of patients with idiopathic thrombocytopenic purpura during the treatment with vincristine] Vashkinel VK, et al. **Gematol Transfuziol** 1991 Apr;36(4):15–9 (36 ref.) (Eng. Abstr.) **(Rus)**

BLOOD PRESERVATION

[Topics of research in the field of preparation, modification and preservation of human blood cells as reflected by the international patent literature] Strauss D, et al. **Pharmazie** 1990 Dec;45(12):887–92 (102 ref.) **(Ger)**

METHODS

Effects of preservation on the quality of baboon red blood cells, platelets, and plasma proteins. Valeri CR. **J Invest Surg** 1989;2(3):223–6 (28 ref.)
[Functional activity of thrombocytes and granulocytes of donor blood after selective removal of fibronectin] Mamtseva GI, et al. **Vestn Akad Med Nauk SSSR** 1991; (2):45–6 (10 ref.) (Eng. Abstr.) **(Rus)**

STANDARDS

Monitoring the release of glycocalicin in platelet concentrates by ELISA. Bessos H, et al. **Blood Coagul Fibrinolysis** 1991 Apr;2(2):373–6 (27 ref.)
An overview of current quality control procedures in platelet storage lesion and transfusion. Seghatchian MJ. **Blood Coagul Fibrinolysis** 1991 Apr;2(2):357–60 (12 ref.)

BLOOD PRESSURE

Observations and influences on sodium sensitivity of blood pressure in humans. Luft FC, et al. **Adv Nephrol Necker Hosp** 1991;20:237–45 (66 ref.)
Mean and range of the ambulatory pressure in normotensive subjects from a meta-analysis of 23 studies. Staessen JA, et al. **Am J Cardiol** 1991 Apr 1;67(8):723–7 (30 ref.)
Left ventricular mass index and diastolic filling. Relation to blood pressure and demographic variables in a healthy biracial sample. Hinderliter AL, et al. **Am J Hypertens** 1991 Jul;4(7 Pt 1):579–85 (50 ref.)
Endogenous natriuretic and ouabain-like factors. Their roles in body fluid volume and blood pressure regulation. Kramer HJ, et al. **Am J Hypertens** 1991 Jan;4(1 Pt 1):81–9 (49 ref.)
Peripheral adaptations in congestive heart failure: a review. Just H. **Am J Med** 1991 May 29;90(5B):23S–26S (26 ref.)
Potassium and calcium intake, excretion, and homeostasis in blacks, and their relation to blood pressure. Langford HG, et al. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:403–6 (19 ref.)
Pressure and flow-dependent vascular tone. Bevan JA, et al. **FASEB J** 1991 Jun;5(9):2267–73 (79 ref.)
An overview of randomized trials of sodium reduction and blood pressure [see comments] Cutler JA, et al. **Hypertension** 1991 Jan;17(1 Suppl):I27–33 (49 ref.) Comment in: Hypertension 1991 Jan;17(1 Suppl):I34–5.
Health promotion roles of the federal government and food industry in nutrition and blood pressure. Ernst ND. **Hypertension** 1991 Jan;17(1 Suppl):I196–200 (35 ref.)
Nonpharmacological therapy of hypertension. Commentary on diet and blood pressure. Langford HG. **Hypertension** 1989 May;13(5 Suppl):I98–102 (25 ref.)
Childhood predictors of future blood pressure. Lauer RM, et al. **Hypertension** 1991 Sep;18(3 Suppl):I74–81 (46 ref.)
Clinical interaction of salt and weight change on blood pressure level. Prineas RJ. **Hypertension** 1991 Jan;17(1 Suppl):I143–9 (36 ref.)
Blood pressure and high blood pressure. Aspects of risk. Stamler J. **Hypertension** 1991 Sep;18(3 Suppl):I95–107 (53 ref.)
Role of salt in the control of blood pressure in obesity and diabetes mellitus. Tuck ML. **Hypertension** 1991 Jan;17(1 Suppl):I135–42 (104 ref.)
The neural regulation of circulation explored in the frequency domain. Malliani A, et al. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S103–8 (27 ref.)
Optimal pressures and flows during cardiopulmonary bypass. Pro: a low-flow, low-pressure technique is acceptable. Garman JK. **J Cardiothorac Vasc Anesth** 1991 Aug; 5(4):399–401 (10 ref.)
Optimal pressures and flows during cardiopulmonary bypass. Con: pressure is more important than flow. Hecker BR, et al. **J Cardiothorac Vasc Anesth** 1991 Aug;5(4):402–4 (20 ref.)
The J-curve phenomenon and the treatment of hypertension. Is there a point beyond which pressure reduction is dangerous? [see comments] Farnett L, et al. **JAMA** 1991 Jan 23–30;265(4):489–95 (41 ref.) Comment in: JAMA 1991 Jul 3;266(1):64–6.
The prenatal origins of adult hypertension. **Nutr Rev** 1991 May;49(5):160–1 (11 ref.)
[Blood pressure in newborn infants--its importance and the methods for its measurement] Iarükova N, et al. **Akush Ginekol (Sofiia)** 1990;29(5):58–61 (10 ref.) **(Bul)**
[The effect of acute and chronic smoking on arterial blood pressure and on the effects of antihypertensive agents] Missault L, et al. **Ned Tijdschr Geneeskd** 1991 Feb 9; 135(6):211–5 (53 ref.) **(Dut)**
[Left ventricular pressure-diameter and stress-diameter relations in humans. Standardization and critical analysis of the method] Matsubara BB, et al. **Arq Bras Cardiol** 1990 Jun;54(6):373–81 (49 ref.) (Eng. Abstr.) **(Por)**
[The epidemiology of arterial hypertension] de Lolio CA. **Rev Saude Publica** 1990 Oct;24(5):425–32 (50 ref.) (Eng. Abstr.) **(Por)**
[Vasopressin and arterial pressure] Slavnov VN, et al. **Kardiologiia** 1990 Sep;30(9):96–100 (97 ref.) **(Rus)**
[Genetically hypertensive rats: a model for essential arterial hypertension] Grana DR, et al. **Medicina (B Aires)** 1989; 49(4):379–86 (82 ref.) **(Spa)**

DRUG EFFECTS

Hypotensive action and weak potentiation of tyramine effect by moclobemide in rats. Da Prada M, et al. **Acta Psychiatr Scand Suppl** 1990;360:106–7 (12 ref.)
Do we need another antihypertensive agent? Gorlin R. **Am Heart J** 1991 Feb;121(2 (Pt 2)):670–6 (12 ref.)
Clinical pharmacology of vasodilatory beta-blocking drugs. Shanks RG. **Am Heart J** 1991 Mar;121(3 (Pt 2)):1006–11 (37 ref.)
Mechanical factors in large artery disease and antihypertensive drugs. Levenson J, et al. **Am J Cardiol** 1990 Sep 25;66(9):39C–42C (22 ref.)
Dietary calcium and blood pressure: modifying factors in specific populations. McCarron DA, et al. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):215S–219S (38 ref.)
The effects of caffeine on blood pressure in the work environment. Jeong DU, et al. **Am J Hypertens** 1990 Oct; 3(10):749–53 (19 ref.)
Putative mechanism of blood pressure reduction induced by increases in dietary calcium intake. Luft FC. **Am J Hypertens** 1990 Aug;3(8 Pt 2):156S–160S (41 ref.)
Blood pressure response to dietary calcium intervention in humans. Mikami H, et al. **Am J Hypertens** 1990 Aug;3(8 Pt 2):147S–151S (27 ref.)
Studies of salt intake in hypertension. What can epidemiology teach us? Swales JD. **Am J Hypertens** 1990 Aug;3(8 Pt 1):645–9 (24 ref.)
Renal protective effects of angiotensin converting enzyme inhibitors. Weder AB. **Am J Hypertens** 1990 Nov; 3(11):273S–277S (29 ref.)
Blunted renal sodium excretion during acute saline loading in normotensive men with positive family histories of hypertension. Widgren BR, et al. **Am J Hypertens** 1991 Jul;4(7 Pt 1):570–8 (60 ref.)
The relationship of sodium balance and concomitant diuretic therapy to blood pressure response with calcium channel entry blockers. Weinberger MH. **Am J Med** 1991 May 17; 90(5A):15S–20S (35 ref.)
Relationship between dietary cations and blood pressure. Kesteloot H. **Ann Nutr Metab** 1991;35 Suppl 1:109–18 (13 ref.)
Role of vasopressin in cardiovascular and blood pressure regulation. Abboud FM, et al. **Blood Vessels** 1990; 27(2–5):106–15 (21 ref.)
Observational studies of salt and blood pressure. Elliott P. **Hypertension** 1991 Jan;17(1 Suppl):I3–8 (67 ref.)
Racial and ethnic modifiers of the salt-blood pressure response. Flack JM, et al. **Hypertension** 1991 Jan;17(1 Suppl):I115–21 (48 ref.)
Methodology of sodium sensitivity assessment. The example of age and sex. Grobbee DE. **Hypertension** 1991 Jan;17(1 Suppl):I109–14 (46 ref.)
Relation between sodium intake, renal function, and the regulation of arterial pressure. Osborn JL. **Hypertension** 1991 Jan;17(1 Suppl):I91–6 (26 ref.)
Salt sensitivity. Definition, conception, methodology, and long-term issues. Sullivan JM. **Hypertension** 1991 Jan;17(1 Suppl):I61–8 (58 ref.)
Membrane sodium transport and salt sensitivity of blood pressure. Weder AB. **Hypertension** 1991 Jan;17(1 Suppl):I74–80 (51 ref.)
Effect of potassium intake on blood pressure. Krishna GG. **J Am Soc Nephrol** 1990 Jul;1(1):43–52 (77 ref.)
Efficacy and tolerance of doxazosin: a review. Brown MJ. **J Hum Hypertens** 1990 Oct;4 Suppl 3:34–8 (11 ref.)
Diuretics and blood pressure reduction: physiologic aspects. Birkenhäger WH. **J Hypertens Suppl** 1990 Jun;8(2):S3–7 (35 ref.)
Comparative studies in hypertension: some fallacious claims of age-related drug efficacy. Robertson JI. **J Hypertens Suppl** 1990 Sep;8(4):S59–61 (14 ref.)
Nonsteroidal anti-inflammatory drugs and antihypertensives. Cooperative malfeasance [editorial] Sahloul MZ, et al. **Nephron** 1990;56(4):345–52 (70 ref.)
A role for cyclic GMP in the initiation of cardiac pressor reflexes by bradykinin and capsaicin. Woolley G, et al. **Pol J Pharmacol Pharm** 1990 May–Jun;42(3):249–57 (22 ref.)
Cardiovascular reactivity to psychosocial stressors. A review of the effects of beta-blockade. Mills PJ, et al. **Psychosomatics** 1991 Spring;32(2):209–20 (79 ref.)
[When and how much should blood pressure be lowered?] Distler A. **Internist (Berl)** 1991 Mar;32(3):144–9 (41 ref.) **(Ger)**
[Endogenous natriuretic and ouabain-like factors. Their potential role in volume and blood pressure regulation] Kramer HJ, et al. **Klin Wochenschr** 1990 Nov 16; 68(22):1112–8 (47 ref.) (Eng. Abstr.) **(Ger)**
[The effect of chronic alcohol consumption on blood pressure] Mohácsi G, et al. **Orv Hetil** 1991 Jan 13; 132(2):63–4, 67–8 (23 ref.) (Eng. Abstr.) **(Hun)**
[Diastolic pressure as a measure of the depth of anesthesia in continuous infusion with propofol] Melloni C, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):386–8 (2 ref.) **(Ita)**
[Hypertensive urgencies and emergencies] Fuchs FD, et al. **Arq Bras Cardiol** 1991 Mar;56(3):243–6 (25 ref.) **(Por)**
[Management of hypertension in the elderly] Serro-Azul JB, et al. **Arq Bras Cardiol** 1990 Feb;54(2):141–5 (33 ref.) **(Por)**

GENETICS

Heredity and blood pressure in humans: an overview. Mongeau JG. **Pediatr Nephrol** 1987 Jan;1(1):69–75 (30 ref.)

PHYSIOLOGY

Renal function curves and control of body fluids and arterial pressure. Guyton AC. **Acta Physiol Scand Suppl** 1990; 591:107–13 (5 ref.)
Role of the renin-angiotensin system in control of sodium excretion and arterial pressure. Hall JE, et al. **Acta Physiol Scand Suppl** 1990;591:48–62 (36 ref.)
Role of blood pressure in the control of renin release. Kirchheim H, et al. **Acta Physiol Scand Suppl** 1990;591:40–7 (20 ref.)
Cytochrome P450-dependent arachidonate metabolites, renal function and blood pressure regulation. McGiff JC, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:675–82 (23 ref.)
Parathyroid hormone and the vascular response to norepinephrine. Iseki K. **Am J Hypertens** 1990 Aug;3(8 Pt 2):238S–240S (26 ref.)
What is blood pressure? O'Rourke MF. **Am J Hypertens** 1990 Oct;3(10):803–10 (36 ref.)
Long-term arterial pressure control: an analysis from animal experiments and computer and graphic models. Guyton AC. **Am J Physiol** 1990 Nov;259(5 Pt 2):R865–77 (35 ref.)
Theoretical study of pressure-volume relation in left ventricle. Shoucri RM. **Am J Physiol** 1991 Jan;260(1 Pt 2):H282–91 (27 ref.)
Causes and consequences of blood pressure alterations in obstructive sleep apnea. Levinson PD, et al. **Arch Intern Med** 1991 Mar;151(3):455–62 (126 ref.)
Role of vascular wall renin: intracellular and extracellular mechanism. Inagami T, et al. **Blood Vessels** 1991; 28(1–3):217–23 (26 ref.)
The role of DA1- and DA2-receptors in the control of blood pressure. Hieble JP, et al. **Br J Clin Pharmacol** 1990;30 Suppl 1:61S–68S (37 ref.)
Blood lead and blood pressure: a cross sectional study in a general population group. Apostoli P, et al. **Cardiologia** 1990 Jul;35(7):597–603 (23 ref.)
Calcium and blood pressure [editorial; see comments] Kaplan NM. **Cardiovasc Drugs Ther** 1988 Sep;2(3):269–74 (42 ref.) Comment in: Cardiovasc Drugs Ther 1990 Feb;4(1):301.

Control of blood pressure by the renin–angiotensin–aldosterone system. Hall JE. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV6–21; discussion IV51–5 (67 ref.)

Will knowing the variability of ambulatory blood pressure improve clinical outcome? An additional consideration in the critical evaluation of this technology. Floras JS. **Clin Invest Med** 1991 Jun;14(3):231–40 (42 ref.)

The renin–angiotensin system: renal actions and blood pressure regulation. Hall JE. **Compr Ther** 1991 May; 17(5):8–17 (12 ref.)

Impact of blood pressure and antihypertensive treatment on incipient and overt nephropathy, retinopathy, and endothelial permeability in diabetes mellitus. Parving HH. **Diabetes Care** 1991 Mar;14(3):260–9 (87 ref.)

Transmitter interactions in the central cholinergic control of blood pressure regulation. Varagic VM, et al. **Drug Metabol Drug Interact** 1991;9(1):49–76 (114 ref.)

Glucocorticoids in blood pressure regulation. Grünfeld JP. **Horm Res** 1990;34(3–4):111–3 (10 ref.)

Catecholamines and blood pressure regulation. Mannelli M, et al. **Horm Res** 1990;34(3–4):156–60 (36 ref.)

Role of atrial natriuretic peptides and neuropeptide Y in blood pressure regulation. Waeber B, et al. **Horm Res** 1990; 34(3–4):161–5 (31 ref.)

Do primary dysfunctions in neural control of arterial pressure contribute to hypertension? Ferrario CM, et al. **Hypertension** 1991 Sep;18(3 Suppl):I38–51 (182 ref.)

Insulin resistance and blood pressure regulation in obese and nonobese subjects. Special lecture. Rocchini AP. **Hypertension** 1991 Jun;17(6 Pt 2):837–42 (60 ref.)

Control of blood pressure and the distribution of blood flow. Versmold HT. **Int J Technol Assess Health Care** 1991;7 Suppl 1:79–84 (38 ref.)

Bulbospinal serotonergic pathways in the control of blood pressure. Coote JH. **J Cardiovasc Pharmacol** 1990;15 Suppl 7:S35–41 (75 ref.)

Determinants of blood pressure in the first decades of life. Grobbee DE, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S71–4 (41 ref.)

Blood pressure variability: mechanisms and clinical significance. Mancia G. **J Cardiovasc Pharmacol** 1990;16 Suppl 6:S1–6 (23 ref.)

What do you do when the blood pressure is up? An approach to the known hypertensive who has an elevated blood pressure. Schiff RL, et al. **J Gen Intern Med** 1991 Jan–Feb; 6(1):71–6 (48 ref.)

Is systolic pressure more important than diastolic pressure? Bulpitt CJ. **J Hum Hypertens** 1990 Oct;4(5):471–6 (51 ref.)

Consensus document on non-invasive ambulatory blood pressure monitoring. The Scientific Committee. **J Hypertens Suppl** 1990 Dec;8(6):S135–40 (34 ref.)

Local mechanisms of blood flow control by perivascular nerves and endothelium. Burnstock G. **J Hypertens Suppl** 1990 Dec;8(7):S95–106 (142 ref.)

Relationship between ambulatory or exercise blood pressure and left ventricular structure: prognostic implications. Devereux RB, et al. **J Hypertens Suppl** 1990 Dec; 8(6):S125–34 (76 ref.)

Circadian blood pressure variations under different pathophysiological conditions. Imai Y, et al. **J Hypertens Suppl** 1990 Dec;8(7):S125–32 (58 ref.)

Ambulatory blood pressure monitoring: research and clinical applications. Mancia G. **J Hypertens Suppl** 1990 Dec; 8(7):S1–13 (78 ref.)

Role of endothelin in mechanisms of local blood pressure control. Masaki T, et al. **J Hypertens Suppl** 1990 Dec; 8(7):S107–12 (45 ref.)

Variability of arterial blood pressure in normal and hypertensive pregnancy. Oney T, et al. **J Hypertens Suppl** 1990 Dec;8(6):S77–81 (21 ref.)

The role of behavioral factors in white coat and sustained hypertension. Pickering TG, et al. **J Hypertens Suppl** 1990 Dec;8(7):S141–7 (46 ref.)

Ambulatory blood pressure monitoring in clinical trials. Staessen J, et al. **J Hypertens Suppl** 1991 Jan;9(1):S13–9 (66 ref.)

Clinical uses of ambulatory blood pressure monitoring. Zachariah PK, et al. **J Hypertens Suppl** 1991 Jan; 9(1):S7–11; discussion S11–2 (29 ref.)

Stress and hypertension. Zimmerman RS, et al. **J Hypertens Suppl** 1990 Sep;8(4):S103–7 (22 ref.)

Insulin and blood pressure regulation. Gans RO, et al. **J Intern Med Suppl** 1991;735:49–64 (174 ref.)

The involvement of atriopeptins in blood pressure regulation. Cole BR. **Pediatr Nephrol** 1987 Jan;1(1):109–18 (99 ref.)

Cytochrome P-450 metabolites of arachidonic acid: implications for blood pressure regulation. Carroll MA, et al. **Pol J Pharmacol Pharm** 1990 May–Jun;42(3):191–201 (21 ref.)

Integration of somatic and autonomic reactions within the midbrain periaqueductal grey: viscerotopic, somatotopic and functional organization. Bandler R, et al. **Prog Brain Res** 1991;87:269–305 (112 ref.)

Chronobiologic assessment of deviant human blood pressure: an invitation for improvements. Halberg E, et al. **Prog Clin Biol Res** 1990;341A:305–18 (18 ref.)

Blood pressure control—special role of the kidneys and body fluids. Guyton AC. **Science** 1991 Jun 28;252(5014):1813–6 (35 ref.)

[Role of the medulla in regulation of cardiovascular functions] Sun MK. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):55–8 (30 ref.) **(Chi)**

[Circadian changes in blood pressure and therapeutic consequences] Schrader J, et al. **Internist (Berl)** 1990 Oct; 31(10):662–8 (41 ref.) **(Ger)**

[Atrial natriuretic peptide. II. Pathophysiology and possible clinical significance. Review.] Vollmar AM. **Tierarztl Prax** 1990 Aug;18(4):319–22 (25 ref.) (Eng. Abstr.) **(Ger)**

[New aspects of the pathophysiology and pathogenesis of arterial hypertension—a review of the literature] Franz C, et al. **Z Gesamte Inn Med** 1990 Dec 15;45(24):723–8 (62 ref.) (Eng. Abstr.) **(Ger)**

[Theory of microcirculation. 1: Misinterpretations in Starling's hypothesis of microcirculation] Petrow JM. **Z Gesamte Inn Med** 1990 Sep 15;45(18):531–5 (24 ref.) **(Ger)**

[Theory of microcirculation. 2. Problems of microcirculation from the viewpoint of the new theoretical concept] Petrow JM. **Z Gesamte Inn Med** 1990 Sep 15;45(18):535–40 (24 ref.) (Eng. Abstr.) **(Ger)**

[Studies by molecular and developmental biotechnology of biologically active peptides involved in blood pressure control and neurotransmission] Nakanishi S. **Jikken Dobutsu** 1991 Jan;40(1):1–6 (19 ref.) **(Jpn)**

[Atrial natriuretic peptide (ANP)—its action in the body as a hormone and neuropeptide] Czekalski S. **Acta Physiol Pol** 1989;40 Suppl 34:85–97 (71 ref.) **(Pol)**

[The role of beta-endorphin in the pathogenesis of essential arterial hypertension and obesity] Słowińska-Srzednicka J. **Acta Physiol Pol** 1989;40 Suppl 34:98–114 (54 ref.) **(Pol)**

[Arterial hypertension in pregnant women] Halawa B. **Pol Tyg Lek** 1990 Mar 10–26;45(12–13):265–9 (34 ref.) **(Pol)**

[The role of atrial natriuretic factor in the regulation of the activity of the cardiovascular system] Baturova EA, et al. **Kardiologiia** 1991 Jan;31(1):91–3 (55 ref.) **(Rus)**

[The role of the sympathetic-adrenal system in the development of hypertension. Effect of the emotional factor] Belova EV. **Kardiologiia** 1991 May;31(5):83–5 (24 ref.) **(Rus)**

[Calcium and arterial hypertension] Drzhevetskiĭ IuM. **Sov Med** 1991;(3):34–6 (38 ref.) **(Rus)**

BLOOD PRESSURE DETERMINATION

Ambulatory blood pressure recordings: a new dimension in arterial hypertension. Clement DL. **Adv Nephrol Necker Hosp** 1991;20:229–36 (18 ref.)

Documentation of the effective length of action of antihypertensive treatment. Weber MA. **Am J Cardiol** 1990 Sep 25;66(9):43C–48C (6 ref.)

Routine measurement of blood pressure in schoolchildren. Houtman PN, et al. **Arch Dis Child** 1991 May;66(5):567–8 (22 ref.)

Assessment of ambulatory blood pressure recorders: accuracy and clinical performance. White WB. **Clin Invest Med** 1991 Jun;14(3):202–11 (19 ref.)

[Ambulatory 24-hour blood pressure monitoring] Wehling M, et al. **Dtsch Med Wochenschr** 1990 Dec 21; 115(51–52):1960–2 (10 ref.) **(Ger)**

METHODS

Ambulatory blood pressure monitoring in the evaluation of drug efficacy. O'Brien E, et al. **Am Heart J** 1991 Mar;121(3 (Pt 2)):999–1006 (45 ref.)

What is blood pressure? O'Rourke MF. **Am J Hypertens** 1990 Oct;3(10):803–10 (36 ref.)

Ambulatory blood pressure monitoring and the primary care physician. Bass MJ. **Clin Invest Med** 1991 Jun;14(3):256–9 (12 ref.)

Will knowing the variability of ambulatory blood pressure improve clinical outcome? An additional consideration in the critical evaluation of this technology. Floras JS. **Clin Invest Med** 1991 Jun;14(3):231–40 (42 ref.)

Assessment of antihypertensive treatment by ambulatory blood pressure monitoring. Lacourcière Y. **Clin Invest Med** 1991 Jun;14(3):260–5 (30 ref.)

Clinical applications of ambulatory blood pressure monitoring: the white coat syndrome. Pickering TG. **Clin Invest Med** 1991 Jun;14(3):212–7 (31 ref.)

Introduction: ambulatory blood pressure monitoring—an emerging technology. Reeves RA, et al. **Clin Invest Med** 1991 Jun;14(3):198–201 (18 ref.)

A review of the stability of ambulatory blood pressure: implications for diagnosis of hypertension. Reeves RA. **Clin Invest Med** 1991 Jun;14(3):251–5 (16 ref.)

Patient and environmental factors affecting ambulatory blood pressure monitoring. Reeves RA. **Clin Invest Med** 1991 Jun;14(3):218–23 (22 ref.)

Ambulatory blood pressure and target organ involvement in hypertension. White WB. **Clin Invest Med** 1991 Jun; 14(3):224–30 (23 ref.)

[Blood pressure in newborn infants—its importance and the methods for its measurement] Iarūkova N, et al. **Akush Ginekol (Sofiia)** 1990;29(5):58–61 (10 ref.) **(Bul)**

[The significance of 24-hour blood pressure monitoring in the diagnosis and therapy of arterial hypertension] Schrader J, et al. **Klin Wochenschr** 1990 Nov 16;68(22):1119–26 (54 ref.) (Eng. Abstr.) **(Ger)**

[Sources of error in the diagnosis and therapy of hypertension] Greminger P, et al. **Schweiz Med Wochenschr** 1991 May 11;121(19):677–82 (37 ref.) (Eng. Abstr.) **(Ger)**

[Automatic measurement of arterial pressure. A new method for analysis, quantification and evaluation of hypertensive disease] Boaventura I, et al. **Rev Port Cardiol** 1990 Sep; 9(9):721–6 (42 ref.) (Eng. Abstr.) **(Por)**

BLOOD PRESSURE, HIGH see **HYPERTENSION**

BLOOD PRESSURE, LOW see **HYPOTENSION**

BLOOD PRESSURE MONITORS

National High Blood Pressure Education Program Working Group report on ambulatory blood pressure monitoring. **Arch Intern Med** 1990 Nov;150(11):2270–80 (122 ref.)

Ambulatory blood pressure monitoring and the primary care physician. Bass MJ. **Clin Invest Med** 1991 Jun;14(3):256–9 (12 ref.)

Will knowing the variability of ambulatory blood pressure improve clinical outcome? An additional consideration in the critical evaluation of this technology. Floras JS. **Clin Invest Med** 1991 Jun;14(3):231–40 (42 ref.)

Assessment of antihypertensive treatment by ambulatory blood pressure monitoring. Lacourcière Y. **Clin Invest Med** 1991 Jun;14(3):260–5 (30 ref.)

Clinical applications of ambulatory blood pressure monitoring: the white coat syndrome. Pickering TG. **Clin Invest Med** 1991 Jun;14(3):212–7 (31 ref.)

Introduction: ambulatory blood pressure monitoring—an emerging technology. Reeves RA, et al. **Clin Invest Med** 1991 Jun;14(3):198–201 (18 ref.)

Patient and environmental factors affecting ambulatory blood pressure monitoring. Reeves RA. **Clin Invest Med** 1991 Jun;14(3):218–23 (22 ref.)

Ambulatory blood pressure and target organ involvement in hypertension. White WB. **Clin Invest Med** 1991 Jun; 14(3):224–30 (23 ref.)

Assessment of ambulatory blood pressure recorders: accuracy and clinical performance. White WB. **Clin Invest Med** 1991 Jun;14(3):202–11 (19 ref.)

Consensus document on non-invasive ambulatory blood pressure monitoring. The Scientific Committee. **J Hypertens Suppl** 1990 Dec;8(6):S135–40 (34 ref.)

Relationship between ambulatory or exercise blood pressure and left ventricular structure: prognostic implications. Devereux RB, et al. **J Hypertens Suppl** 1990 Dec; 8(6):S125–34 (76 ref.)

Ambulatory blood pressure monitoring: research and clinical applications. Mancia G. **J Hypertens Suppl** 1990 Dec; 8(7):S1–13 (78 ref.)

Non-invasive ambulatory blood pressure monitoring: technical possibilities and problems. Meyer-Sabellek W, et al. **J Hypertens Suppl** 1990 Dec;8(6):S3–10 (56 ref.)

Variability of arterial blood pressure in normal and hypertensive pregnancy. Oney T, et al. **J Hypertens Suppl** 1990 Dec;8(6):S77–81 (21 ref.)

Can ambulatory blood pressure monitoring improve the diagnosis of mild hypertension? Pickering TG. **J Hypertens Suppl** 1990 Dec;8(6):S43–7 (29 ref.)

Analysis of ambulatory blood pressure data in antihypertensive drug trials. White WB. **J Hypertens Suppl** 1991 Jan;9(1):S27–32 (16 ref.)

Clinical uses of ambulatory blood pressure monitoring. Zachariah PK, et al. **J Hypertens Suppl** 1991 Jan; 9(1):S7–11; discussion S11–2 (29 ref.)

[Has general practice measurement of blood pressure become obsolete?] Mengden T, et al. **Internist (Berl)** 1991 Mar; 32(3):111–8 (50 ref.) **(Ger)**

[Statement on "24-hour blood pressure monitoring" by the German League for the control of hypertension] Anlauf M, et al. **Z Kardiol** 1991;80 Suppl 1:53–5 (0 ref.) **(Ger)**

[Long-term ambulatory blood pressure monitoring: what is normal?] Baumgart P. **Z Kardiol** 1991;80 Suppl 1:29–32 (21 ref.) (Eng. Abstr.) **(Ger)**

[Intraoperative diagnosis of the heart and great vessels—measuring blood pressure] Gramsch-Zabel H. **Z Kardiol** 1990;79 Suppl 4:97–106 (3 ref.) (Eng. Abstr.) **(Ger)**

[Development of direct and indirect ambulatory 24-hour blood pressure monitoring] Krönig B. **Z Kardiol** 1991;80 Suppl 1:9–15 (39 ref.) (Eng. Abstr.) **(Ger)**

[Technical possibilities and limits of ambulatory 24-hour blood pressure measurement] Meyer-Sabellek W, et al. **Z Kardiol** 1991;80 Suppl 1:1–7 (48 ref.) (Eng. Abstr.) **(Ger)**

[Value of ambulatory 24-hour blood pressure monitoring in diagnosis of mild hypertension] Middeke M, et al. **Z Kardiol** 1991;80 Suppl 1:17–20 (9 ref.) (Eng. Abstr.) **(Ger)**

[Importance of 24-hour blood pressure monitoring in detection of hypertension-induced end organ damage] Schächinger H, et al. **Z Kardiol** 1991;80 Suppl 1:41–7 (67 ref.) (Eng. Abstr.) **(Ger)**

[Detection of cardiac risk in hypertensive patients with left heart hypertrophy] Schulte KL, et al. **Z Kardiol** 1991;80 Suppl 1:37–40 (38 ref.) (Eng. Abstr.) **(Ger)**

[Ambulatory blood pressure monitoring vs. blood pressure self monitoring] Vetter W, et al. **Z Kardiol** 1991;80 Suppl 1:49–51 (22 ref.) (Eng. Abstr.) **(Ger)**

BLOOD PRESSURE MONITORS

[Long-term monitoring of blood pressure] Zharov EI, et al. **Kardiologiia** 1990 Jun;30(6):118-22 (42 ref.) **(Rus)**

STANDARDS

Twenty-four-hour ambulatory blood pressure monitoring: a review of validation data. O'Brien E, et al. **J Hypertens Suppl** 1990 Dec;8(6):S11-6 (56 ref.)

UTILIZATION

Evaluation of pharmacotherapy by indirect ambulatory blood pressure monitoring in short- and long-term studies: review of the literature. Schulte KL, et al. **J Hypertens Suppl** 1990 Dec;8(6):S101-4 (31 ref.)

Ambulatory blood pressure monitoring in clinical trials. Staessen J, et al. **J Hypertens Suppl** 1991 Jan;9(1):S13-9 (66 ref.)

Ambulatory twenty-four-hour blood pressure measurements in pharmacological studies. Weisser B, et al. **J Hypertens Suppl** 1990 Dec;8(6):S87-92 (44 ref.)

BLOOD PROTEIN DISORDERS

DIAGNOSIS

[Evaluating thyroid gland function in patients with protein anomalies] Eber O, et al. **Acta Med Austriaca** 1991; 18(1):11-9 (94 ref.) (Eng. Abstr.) **(Ger)**

BLOOD PROTEINS

see related

PROTEIN BINDING

Adsorption of plasma proteins onto polymer latices. Suzawa T, et al. **Adv Colloid Interface Sci** 1991 Mar;35:139-72 (73 ref.)

Genetically engineered and affinity purified plasma proteins. Meulien P, et al. **Baillieres Clin Haematol** 1990 Apr; 3(2):451-77 (101 ref.)

Endogenous digitalis-like factors: their possible pathophysiological implications with particular regard to the perinatal period. Biver P, et al. **Child Nephrol Urol** 1990;10(3):164-80 (195 ref.)

Antibiotic proteins of human neutrophils. Spitznagel JK. **J Clin Invest** 1990 Nov;86(5):1381-6 (41 ref.)

Endogenous digitalis: reality or myth? Goto A, et al. **Life Sci** 1991;48(22):2109-18 (83 ref.)

[Endogenous digoxin-like immunoreactive factor] Rispler S, et al. **Harefuah** 1990 Jul;119(1-2):36-8 (46 ref.) **(Heb)**

ANALYSIS

Endometrial proteins as local regulators of human endometrial function and their appearance in serum: clinical applications. Seppälä M, et al. **Ann N Y Acad Sci** 1991; 626:312-20 (65 ref.)

Serum isoenzymes in cancer diagnosis and management. Mercer DW. **Immunol Ser** 1990;53:613-29 (82 ref.)

Do circulating factors play a role in the pathogenesis of minimal change nephrotic syndrome? Bakker WW, et al. **Pediatr Nephrol** 1989 Jul;3(3):341-9 (88 ref.)

[Problems in standardization of the immunochemical detection of plasma proteins. I. International reference standards for plasma proteins. II. Immunochemical relation of measurement signals and values] Baudner S. **Behring Inst Mitt** 1990 Oct;(86):67-115 (115 ref.) (Eng. Abstr.) **(Ger)**

[Chemistry and clinical significance of human plasma proteins] Haupt H. **Behring Inst Mitt** 1990 Oct;(86):1-66 (336 ref.) (Eng. Abstr.) **(Ger)**

[Blood proteins in alcoholism (review of the literature)] Bozhko GKh, et al. **Zh Nevropatol Psikhiatr** 1991; 91(2):126-8 (38 ref.) **(Rus)**

ANTAGONISTS & INHIBITORS

Prospects for the use of antagonists to the platelet glycoprotein IIb/IIIa receptor to prevent post-angioplasty restenosis and thrombosis. Ellis SG, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):89B-95B (82 ref.)

DEFICIENCY

Erythrocyte membrane protein deficiencies in paroxysmal nocturnal hemoglobinuria. Schultz DR. **Am J Med** 1989 Sep;87(3N):22N-29N (94 ref.)

[Hemolytic anemias caused by erythrocyte enzyme disorders] Maldonado Martín A, et al. **An Med Interna** 1989 May; 6(5):266-73 (46 ref.) (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

[Blood plasma proteins and drug transport across the hemato-encephalic barrier] Lutsevich AN, et al. **Farmakol Toksikol** 1991 Jan-Feb;54(1):70-6 (75 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Defensins: endogenous antibiotic peptides of animal cells. Lehrer RI, et al. **Cell** 1991 Jan 25;64(2):229-30 (18 ref.)

Genetic aspects of ion transport systems in hypertension. Bianchi G, et al. **J Hypertens Suppl** 1990 Dec;8(7):S213-8 (52 ref.)

Genetics of the red cell membrane skeleton. Palek J, et al. **Semin Hematol** 1990 Oct;27(4):290-332 (368 ref.)

ISOLATION & PURIFICATION

Approaches to the purification of the 5-hydroxytryptamine reuptake system from human blood platelets. Biessen EA, et al. **Biochem Soc Trans** 1991 Feb;19(1):103-11 (48 ref.)

Endogenous digitalis-like factors. Schoner W. **Trends Pharmacol Sci** 1991 Jun;12(6):209-11 (25 ref.)

METABOLISM

Substrate and inhibitor binding and translocation by the platelet plasma membrane serotonin transporter. Humphreys CJ, et al. **Biochem Soc Trans** 1991 Feb; 19(1):95-8 (14 ref.)

Probing the platelet plasma-membrane 5-hydroxytryptamine transporter. Williams DC, et al. **Biochem Soc Trans** 1991 Feb;19(1):112-4 (14 ref.)

Transport, interactions and retention of plasma proteins in the intima: the barrier function of the internal elastic lamina. Smith EB. **Eur Heart J** 1990 Aug;11 Suppl E:72-81 (34 ref.)

Interactions of biospecific functional polymers with blood proteins and cells. Jozefonvicz J, et al. **J Biomater Sci Polym Ed** 1990;1(3):147-65 (61 ref.)

[Recent parameters for diagnosis of challenging thyroid gland disorders: consequences for diagnosis and therapy] Wenzel KW. **Acta Med Austriaca** 1991;18(1):1-6 (30 ref.) (Eng. Abstr.) **(Ger)**

[Lysosomal cationic proteins in neutrophilic granulocytes during phagocytosis and inflammation] Kokriakov VN. **Vopr Med Khim** 1990 Nov-Dec;36(6):13-6 (37 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Immunoneurology: a serum protein afferent limb to the CNS. Kozlowski GP, et al. **Adv Exp Med Biol** 1990;274:345-70 (140 ref.)

Digitalislike circulating factor in hypertension: potential messenger between salt balance and intracellular sodium. Haddy FJ. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:343-9 (65 ref.)

Further insights into the pathophysiology of hyperapobetalipoproteinemia: role of basic proteins I, II, III. Kwiterovich PO Jr, et al. **Clin Chem** 1991 Mar; 37(3):317-26 (46 ref.)

Is the endogenous digitalis-like factor the link between hypertension and metabolic disorders as diabetes mellitus, obesity and acromegaly? Clerico A, et al. **Clin Physiol Biochem** 1990;8(3):153-68 (115 ref.)

Human blood protein and cellular interactions in the healing responses of vascular prosthesis. Anderson JM, et al. **J Vasc Surg** 1991 May;13(5):750-1 (7 ref.)

The molecular biology of occlusive stroke in childhood. Shuman RM. **Neurol Clin** 1990 Aug;8(3):553-70 (89 ref.)

Circulating digitalis-like factors. Buckalew VM Jr. **Pediatr Nephrol** 1988 Apr;2(2):264-70 (66 ref.)

[Vitronectin in normal human skin and in skin lesions] Hintner H, et al. **Hautarzt** 1991 Jan;42(1):16-22 (56 ref.) (Eng. Abstr.) **(Ger)**

[The role of steroid-binding glycoproteins in human blood in transmitting the hormonal signal to the cell] Strel'chenok OA. **Fiziol Zh SSSR** 1990 Sep;76(9):1187-96 (49 ref.) (Eng. Abstr.) **(Rus)**

[Endogenous digitalis] Ortega M, et al. **An Med Interna** 1991 Feb;8(2):89-93 (31 ref.) (Eng. Abstr.) **(Spa)**

BLOOD-RETINAL BARRIER

PHYSIOLOGY

Fluid movement across the blood-retinal barrier: a review of studies by vitreous fluorophotometry. Tsuboi S. **Jpn J Ophthalmol** 1990;34(2):133-41 (32 ref.)

BLOOD SEDIMENTATION

Erythrocyte sedimentation rate: its use in pediatric practice. Prakash O, et al. **Indian Pediatr** 1990 Oct;27(10):1133-8 (12 ref.)

[The erythrocyte sedimentation rate in modern medicine] Tomer A, et al. **Harefuah** 1991 Feb 15;120(4):199-203 (34 ref.) **(Heb)**

BLOOD SPECIMEN COLLECTION

METHODS

Contamination of blood cultures during venepuncture: fact or myth? Shahar E, et al. **Postgrad Med J** 1990 Dec; 66(782):1053-8 (45 ref.)

[Collection and processing of blood samples for amino acid assays] Cynober L, et al. **Ann Biol Clin (Paris)** 1990; 48(10):713-6 (34 ref.) (Eng. Abstr.) **(Fre)**

BLOOD SUBSTITUTES

see related

PLASMA SUBSTITUTES

Liposome-encapsulated hemoglobin: an oxygen-carrying fluid. Rabinovici R, et al. **Circ Shock** 1990 Sep;32(1):1-17 (68 ref.)

Valuation of the benefits of risk-free blood. Willingness to pay for hemoglobin solutions. Eastaugh SR. **Int J Technol Assess Health Care** 1991;7(1):51-7 (17 ref.)

The use of fluorocarbon emulsions in cancer radiotherapy. Guichard M. **Radiother Oncol** 1991;20 Suppl 1:59-64 (27 ref.)

METABOLISM

Modern oxygen carriers: state of art 1990. Rudowski W. **Mater Med Pol** 1990 Jan-Mar;22(1):3-7 (55 ref.)

THERAPEUTIC USE

Perfluorochemical oxygen carriers and ischaemic tissues. Lowe KC. **Adv Exp Med Biol** 1990;277:257-66 (46 ref.)

Aprotinin, erythropoietin, and blood substitutes. D'Ambra MN, et al. **Int Anesthesiol Clin** 1990 Fall;28(4):237-40 (20 ref.)

BLOOD SUGAR see **BLOOD GLUCOSE**

BLOOD SUGAR SELF-MONITORING see **BLOOD GLUCOSE SELF-MONITORING**

BLOOD TESTS see **HEMATOLOGIC TESTS**

BLOOD TRANSFUSION

see related

BLOOD GROUP INCOMPATIBILITY

A knowledge-based system for transfusion advice. Spackman KA, et al. **Am J Clin Pathol** 1990 Oct;94(4 Suppl 1):S25-9 (4 ref.)

Guidelines for auditing pediatric blood transfusion practices. Blanchette VS, et al. **Am J Dis Child** 1991 Jul;145(7):787-96 (132 ref.)

Transfusion therapy in neonates. Strauss RG. **Am J Dis Child** 1991 Aug;145(8):904-11 (65 ref.)

Clinical aspects of platelet transfusions. Murphy MF, et al. **Blood Coagul Fibrinolysis** 1991 Apr;2(2):389-96 (101 ref.)

An overview of current quality control procedures in platelet storage lesion and transfusion. Seghatchian MJ. **Blood Coagul Fibrinolysis** 1991 Apr;2(2):357-60 (12 ref.)

Platelet transfusions irradiated with ultraviolet-B light may have a role in reducing recipient alloimmunization. Tandy NP, et al. **Blood Coagul Fibrinolysis** 1991 Apr;2(2):383-8 (38 ref.)

Blood transfusion and organ transplantation. Ross WB, et al. **Blood Rev** 1990 Dec;4(4):252-8 (47 ref.)

Blood transfusion and kidney graft survival: a review. Tiwari JL. **Clin Transpl** 1986;:341-3 (30 ref.)

The role of recombinant human erythropoietin in homologous transfusion avoidance. Sobota JT. **Contrib Nephrol** 1991;88:334-48; discussion 349-50 (23 ref.)

Blood transfusion and allograft survival: is mixed chimerism the solution for tolerance induction in clinical transplantation? de Waal LP, et al. **Crit Rev Immunol** 1991; 10(5):417-25 (100 ref.)

Prevention and circumvention of refractoriness to platelet transfusions: interface between preparative and therapeutic apheresis. Beris P, et al. **Curr Stud Hematol Blood Transfus** 1990;(57):267-76 (35 ref.)

Anaesthesiology and transfusion medicine. Bergmann H. **Infusionstherapie** 1991 Feb;18(1):12-9 (58 ref.)

Optimal use of blood components. Gravlee GP. **Int Anesthesiol Clin** 1990 Fall;28(4):216-22 (37 ref.)

Safe limits of isovolemic hemodilution and recommendations for erythrocyte transfusion. Robertie PG, et al. **Int Anesthesiol Clin** 1990 Fall;28(4):197-204 (54 ref.)

Blood component therapy in open heart surgery. Daszyński J, et al. **Mater Med Pol** 1989 Jul-Sep;21(3):207-11 (50 ref.)

Granulocyte transfusions in neonates. Hill HR. **Pediatr Rev** 1991 Apr;12(10):298-302 (22 ref.)

Blood-borne non-A, non-B hepatitis: hepatitis C. Genesca J, et al. **Semin Liver Dis** 1991 May;11(2):147-64 (232 ref.)

Blood component therapy in the perinatal period: guidelines and recommendations. DePalma L, et al. **Semin Perinatol** 1990 Oct;14(5):403-15 (60 ref.)

Paraplegia in a pregnant thalassemic woman due to extramedullary hematopoiesis: successful management with transfusions. Singounas EG, et al. **Surg Neurol** 1991 Sep; 36(3):210-5 (22 ref.)

Syphilis and blood transfusion: a global perspective. De Schryver A, et al. **Transfusion** 1990 Nov-Dec;30(9):844-7 (30 ref.)

Trypanosoma cruzi, the etiologic agent of Chagas' disease: status in the blood supply in endemic and nonendemic countries. Schmuñis GA. **Transfusion** 1991 Jul-Aug; 31(6):547-57 (112 ref.)

Blood transfusion effects in kidney transplantation. Carpenter CB. **Yale J Biol Med** 1990 Sep-Oct;63(5):435-43 (32 ref.)

[Blood transfusion and Jehovah's witnesses. Ethical and medicolegal aspects] Knudsen F, et al. **Ugeskr Laeger** 1991 Feb 25;153(9):632-6 (30 ref.) (Eng. Abstr.) **(Dan)**

[Value of the association of blood cardioplegia and energetic warm reperfusion in cardiac transplantation] Pavie A, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):795-800 (19 ref.) (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

HIV infection in hemophiliac children: clinical manifestations and therapy. Gomperts ED. **Am J Pediatr Hematol Oncol** 1990 Winter;12(4):497–504 (41 ref.)

Complications of hemophilia A treatment: factor VIII inhibitors. Kasper CK. **Ann N Y Acad Sci** 1991;614:97–105 (47 ref.)

Design, properties, and effective use of the oral chelator L1 and other alpha-ketohydroxypyridines in the treatment of transfusional iron overload in thalassemia. Kontoghiorghes GJ. **Ann N Y Acad Sci** 1990;612:339–50 (42 ref.)

Transfusion-associated graft-vs-host disease in patients with malignancies. Report of two cases and review of the literature [see comments] Decoste SD, et al. **Arch Dermatol** 1990 Oct;126(10):1324–9 (50 ref.) Comment in: Arch Dermatol 1990 Oct;126(10):1347–50.

Variation in blood component irradiation practice: implications for prevention of transfusion-associated graft-versus-host disease. Anderson KC, et al. **Blood** 1991 May 15;77(10):2096–102 (80 ref.)

Prevention of alloimmunization against platelets [editorial] Schiffer CA. **Blood** 1991 Jan 1;77(1):1–4 (38 ref.)

Transfusion-induced graft-versus-host disease in patients with malignant lymphoma. A case report and review of the literature. Spitzer TR, et al. **Cancer** 1990 Dec 1; 66(11):2346–9 (31 ref.)

Association of transfusion with postoperative bacterial infection. Triulzi DJ, et al. **Crit Rev Clin Lab Sci** 1990; 28(2):95–107 (77 ref.)

Do peroperative blood transfusions increase the risk of cancer recurrence? Weiden PL. **Eur J Cancer** 1990;26(9):987–9 (15 ref.)

AIDS in transfusion recipients. Perkins HA. **Immunol Ser** 1989;44:97–114 (35 ref.)

Transfusion risks. Faust RJ, et al. **Int Anesthesiol Clin** 1990 Fall;28(4):184–9 (36 ref.)

Hepatic involvement in graft-versus-host disease associated with blood transfusion. Sakai H, et al. **Jpn J Med** 1990 Nov-Dec;29(6):633–6 (19 ref.)

The effect of transfusions on the incidence of bacterial infection. Scorza LB, et al. **Milit Med** 1990 Jul;155(7):337–9 (28 ref.)

AIDS in the transfusion recipient. Hilgartner M. **Pediatr Clin North Am** 1991 Feb;38(1):121–31 (30 ref.)

Transfusion and coagulation factor-acquired human immunodeficiency virus infection. Eyster ME. **Pediatr Infect Dis J** 1991 Jan;10(1):50–6 (63 ref.)

Transfusion transmitted viral infections--recent developments in blood donor screening. Yap PL. **Postgrad Med J** 1990 Nov;66(781):906–9 (7 ref.)

Transfusion reactions due to bacterial contamination of blood and blood products. Morduchowicz G, et al. **Rev Infect Dis** 1991 Mar-Apr;13(2):307–14 (79 ref.)

AIDS and human immunodeficiency virus infections: update 1990. Krieger JN. **Semin Urol** 1991 Feb;9(1):32–9 (18 ref.)

Let's look at human immunodeficiency virus look-back before leaping into hepatitis C virus look-back. Busch MP. **Transfusion** 1991 Sep;31(7):655–61 (29 ref.)

Transfusion-induced immunomodulation and its possible role in cancer recurrence and perioperative bacterial infection. Blumberg N, et al. **Yale J Biol Med** 1990 Sep-Oct; 63(5):429–33 (23 ref.)

Transfusion-transmitted diseases other than AIDS and hepatitis. Bove JR. **Yale J Biol Med** 1990 Sep-Oct; 63(5):347–51 (20 ref.)

Transfusion-associated graft-versus-host disease. Rappeport JM. **Yale J Biol Med** 1990 Sep-Oct;63(5):445–54 (58 ref.)

Retroviral infections transmitted by blood transfusion. Sandler SG, et al. **Yale J Biol Med** 1990 Sep-Oct; 63(5):353–60 (47 ref.)

Prevention of HLA alloimmunization: role of leukocyte depletion and UV-B irradiation. Snyder EL. **Yale J Biol Med** 1990 Sep-Oct;63(5):419–27 (42 ref.)

[Rational hemotherapy. Indications, complications and practical performance] Heslet L, et al. **Ugeskr Laeger** 1990 Sep 10;152(37):2635–9 (30 ref.) (Eng. Abstr.) **(Dan)**

[Incidence of blood transfusion on the development of cancer] Genetet B. **Presse Med** 1991 Aug 31-Sep 7; 20(27):1275–80 (21 ref.) (Eng. Abstr.) **(Fre)**

[Post-transfusional cytomegalovirus infections: incidence and methods of prevention. CMV group of SNTS] Andreu G, et al. **Rev Fr Transfus Hemobiol** 1991 May;34(3):213–32 (82 ref.) **(Fre)**

[Anti-HCV antibodies and transfusion recipients. Bibliographic data and current knowledge] Couroucé AM. **Rev Fr Transfus Hemobiol** 1990 Oct;33(5):335–8 (9 ref.) **(Fre)**

[Transfusion-transmitted infections] Sugg U. **Anasthesiol Intensivmed Notfallmed Schmerzther** 1991 Jun; 26(4):214–5 (9 ref.) **(Ger)**

[Avoiding complications during blood transfusion] Schricker KT, et al. **Klin Anasthesiol Intensivther** 1990;38:137–51 (11 ref.) **(Ger)**

[Transfusion-associated graft-versus-host disease and its prevention] Israeli S, et al. **Harefuah** 1990 Aug; 119(3-4):86–9 (38 ref.) **(Heb)**

[Transfusion: risks and future prospects] Molaro GL. **G Clin Med** 1990 Oct;71(10):547–59 (41 ref.) **(Ita)**

[HTLV-I transmission by blood transfusion] Inaba S. **Rinsho Byori** 1991 Mar;Suppl 88:171–5 (27 ref.) **(Jpn)**

[Cytomegalovirus infection after transfusion] Kai S, et al. **Rinsho Byori** 1991 Mar;Suppl 88:176–82 (27 ref.) **(Jpn)**

[Transfusion associated graft versus host disease] Takahashi K, et al. **Rinsho Byori** 1991 Mar;Suppl 88:148–55 (28 ref.) **(Jpn)**

[Prevention of graft vs. host disease in pediatric post-transfusion patients] Buñuel Guillén C, et al. **An Esp Pediatr** 1991 May;34(5):335–7 (41 ref.) **(Spa)**

[Massive transfusion: methods and complications] Olmedilla Arnal L, et al. **Rev Esp Anestesiol Reanim** 1990 Jul-Aug; 37(4):216–27 (274 ref.) (Eng. Abstr.) **(Spa)**

ECONOMICS

Valuation of the benefits of risk-free blood. Willingness to pay for hemoglobin solutions. Eastaugh SR. **Int J Technol Assess Health Care** 1991;7(1):51–7 (17 ref.)

METHODS

Developing techniques in blood transfusion. Duguid JK. **Baillieres Clin Haematol** 1990 Oct;3(4):999–1017 (94 ref.)

Cytokine biology. Implications for transfusion medicine. Adamson JW. **Cancer** 1991 May 15;67(10 Suppl):2708–11 (13 ref.)

Massive transfusion: a current review. Nolan TE, et al. **Obstet Gynecol Surv** 1991 May;46(5):289–95 (37 ref.)

[Technical constraints in rapid vascular fluid replacement] Noirot MT, et al. **Ann Fr Anesth Reanim** 1990;9(5):433–42 (53 ref.) (Eng. Abstr.) **(Fre)**

[Transfusion therapy and volume treatment in elective surgery and traumas] Søndenaa K, et al. **Tidsskr Nor Laegeforen** 1990 Nov 30;110(29):3725–8 (52 ref.) (Eng. Abstr.) **(Nor)**

[Massive transfusion: methods and complications] Olmedilla Arnal L, et al. **Rev Esp Anestesiol Reanim** 1990 Jul-Aug; 37(4):216–27 (274 ref.) (Eng. Abstr.) **(Spa)**

NURSING

Preparing the patient for bone marrow transplantation: nursing care issues. Holmes W. **Yale J Biol Med** 1990 Sep-Oct;63(5):487–94 (55 ref.)

PSYCHOLOGY

Perioperative considerations in Jehovah's Witnesses. Cooper JR Jr. **Int Anesthesiol Clin** 1990 Fall;28(4):210–5 (17 ref.)

STANDARDS

Antibodies to hepatitis B core antigen and the infectivity of the blood supply. Scientific Section Coordinating Committee [published erratum appears in Transfusion 1991 Sep;31(7):594] Dodd RY, et al. **Transfusion** 1991 Jun; 31(5):443–9 (50 ref.)

TRENDS

Transfusion practices in the 1990s. Menitove JE. **Annu Rev Med** 1991;42:297–309 (47 ref.)

Blood warming: current applications and techniques. Iserson KV, et al. **Transfusion** 1991 Jul-Aug;31(6):558–71 (145 ref.)

BLOOD TRANSFUSION, AUTOLOGOUS

Increasing autologous blood donation with recombinant human erythropoietin. Levine EA. **Contrib Nephrol** 1991; 88:327–33 (29 ref.)

Autologous transfusion. Stehling L. **Int Anesthesiol Clin** 1990 Fall;28(4):190–6 (56 ref.)

Blood coagulation and autologous blood transfusion in cardiac surgery. Inada E. **J Clin Anesth** 1990 Nov-Dec; 2(6):393–406 (84 ref.)

Autologous blood: the safest alternative [published erratum appears in N Y State Dent J 1990 Nov;56(9):33] Holtzman L, et al. **N Y State Dent J** 1990 Oct;56(8):30–1 (0 ref.)

Blood conservation. Chavez AM, et al. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):358–63 (29 ref.)

Intraoperative blood salvage: a review. Williamson KR, et al. **Transfusion** 1991 Sep;31(7):662–75 (119 ref.)

[Indications and results of autotransfusion. Normovolemic hemodilution in gynecology-obstetrics] Bouret JM, et al. **Rev Fr Gynecol Obstet** 1990 Jul-Sep;85(7-9):455–9 (13 ref.) (Eng. Abstr.) **(Fre)**

[Autologous blood transfusion in general surgery] Martin M, et al. **Anasthesiol Intensivmed Notfallmed Schmerzther** 1991 Jun;26(4):211–3 (6 ref.) **(Ger)**

[Use of UV-irradiated autologous blood in obstetrics and gynecology] Grishchenko VI, et al. **Akush Ginekol (Mosk)** 1990 Jul;(7):3–6 (49 ref.) **(Rus)**

[Use of ultraviolet irradiation of blood in obstetrical and gynecological practice] Matsuev AI, et al. **Akush Ginekol (Mosk)** 1990 Aug;(8):6–10 (89 ref.) **(Rus)**

[Use of the methods of gravitative surgery of the blood in cardiac surgery] Matveev SA. **Klin Khir** 1990;(10):48–52 (35 ref.) **(Rus)**

[Use of photomodified blood in oncology] Dvaladze NA, et al. **Vestn Khir** 1990 Dec;145(12):95–9 (58 ref.) **(Rus)**

METHODS

Intraoperative blood salvage. Pineda AA, et al. **Baillieres Clin Haematol** 1990 Apr;3(2):385–403 (87 ref.)

Peripheral blood stem cell transplantation as an alternative to bone marrow transplantation: an overview. Janakiraman N. **Henry Ford Hosp Med J** 1991;39(2):103–7 (29 ref.)

[Hemodilution and peroperative autotransfusion during harvest for bone marrow graft] Ranchère JY, et al. **Ann Fr Anesth Reanim** 1990;9(6):480–4 (18 ref.) (Eng. Abstr.) **(Fre)**

[Ways of economizing on homologous blood. Concepts of autologous blood transfusion] Henn-Beilharz A, et al. **Anasthesiol Intensivmed Notfallmed Schmerzther** 1991 Apr; 26(2):61–75 (226 ref.) (Eng. Abstr.) **(Ger)**

TRENDS

[Autologous blood transfusion in surgery: its present-day status and the prospects of its development] Lytkin MI, et al. **Vestn Khir** 1990 Apr;144(4):141–5 (63 ref.) **(Rus)**

BLOOD TRANSFUSION, INTRAUTERINE

Interventional procedures in obstetrics. Copel JA, et al. **Semin Roentgenol** 1991 Jan;26(1):87–94 (57 ref.)

[Intravascular platelet transfusion in utero for the treatment of immunologic thrombocytopenic purpura: a case report] Takagi T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1991 Mar;43(3):357–60 (13 ref.) **(Jpn)**

BLOOD TYPING see **BLOOD GROUPING AND CROSSMATCHING**

BLOOD VESSEL PROSTHESIS

An argument in favor of all-autogenous tissue for vascular bypasses below the inguinal ligament. Donaldson MC, et al. **Adv Surg** 1991;24:69–90 (46 ref.)

Endothelial cell seeding. Mosquera DA, et al. **Br J Surg** 1991 Jun;78(6):656–60 (96 ref.)

Recurrent aortic graft infection following descending thoracic aorta to femoral artery bypass. A case report and review. Costantino MJ. **J Cardiovasc Surg (Torino)** 1991 Jul-Aug;32(4):477–81 (22 ref.)

The evolution and development of biologic arterial grafts. Rosenberg N. **J Invest Surg** 1989;2(1):3–6 (31 ref.)

A unique inlet [the ascending aorta] for extra-anatomic bypass of infected arterial prostheses. Yared SF, et al. **J Ky Med Assoc** 1991 Jun;89(6):274–6 (17 ref.)

Human blood protein and cellular interactions in the healing responses of vascular prosthesis. Anderson JM, et al. **J Vasc Surg** 1991 May;13(5):750–1 (7 ref.)

Prosthetic infections due to bacterial biofilms: clinical and experimental observations. Bandyk DF. **J Vasc Surg** 1991 May;13(5):757–8 (9 ref.)

Pathogenesis of vascular graft infections. Chaudhary R, et al. **J Vasc Surg** 1991 May;13(5):755–6 (11 ref.)

Graft endothelialization: the role of angiogenic mechanisms. Clowes AW, et al. **J Vasc Surg** 1991 May;13(5):734–6 (12 ref.)

Growth factor production following prosthetic graft implantation. Graham LM, et al. **J Vasc Surg** 1991 May; 13(5):742–4 (13 ref.)

Bioresorbable materials and macrophage interactions. Greisler HP. **J Vasc Surg** 1991 May;13(5):748–50 (12 ref.)

Endothelial cell seeding. Herring MB. **J Vasc Surg** 1991 May; 13(5):731–2 (10 ref.)

Antithrombotic agents: rationale and future directions. Salzman EW. **J Vasc Surg** 1991 May;13(5):761 (0 ref.)

Vascular graft intimal fibrous hyperplasia: prospects for pharmacological inhibition. Schoen FJ, et al. **J Vasc Surg** 1991 May;13(5):758–61 (17 ref.)

Genetic manipulation of seeded endothelial cells in vascular prostheses. Stanley JC. **J Vasc Surg** 1991 May;13(5):736–8 (10 ref.)

Current techniques for infrainguinal arterial reconstruction. Whittemore A. **Jpn J Surg** 1990 Nov;20(6):627–34 (77 ref.)

Modified Blalock-Taussig shunts in the treatment of tetralogy of Fallot. Rosenkranz ER. **Semin Thorac Cardiovasc Surg** 1990 Jan;2(1):27–33 (70 ref.)

A comparative review of in situ versus reversed vein grafts in the 1980s. Calligaro KD, et al. **Surg Gynecol Obstet** 1991 Mar;172(3):247–52 (64 ref.)

[Infrainguinal bypass surgery of occlusive arteriosclerosis of the lower extremities using polytetrafluoroethylene (PTFE) vascular prostheses] Dahl BT, et al. **Ugeskr Laeger** 1991 Jan 21;153(4):260–3 (30 ref.) (Eng. Abstr.) **(Dan)**

[Repeated subinguinal bypass. Report of 85 cases] Delaunay T, et al. **J Chir (Paris)** 1990 Nov;127(11):503–17 (42 ref.) (Eng. Abstr.) **(Fre)**

[Prosthetic bypasses: can we improve the results?] Taylor RS. **J Mal Vasc** 1991;16(1):18–22 (6 ref.) (Eng. Abstr.) **(Fre)**

[Treatment of atherosclerosis. New percutaneous intraluminal techniques] Lablanche JM. **Presse Med** 1990 Oct 6;19(32):1497–502 (44 ref.) (Eng. Abstr.) **(Fre)**

[Infection of vascular prosthesis] Zimmerli W. **Fortschr Med** 1990 Oct 30;108(31):595–7 (22 ref.) (Eng. Abstr.) **(Ger)**

[Venous replacement surgery: history, update and perspectives] Mongardini M, et al. **G Chir** 1990 Jun; 11(6):371–81 (110 ref.) (Eng. Abstr.) **(Ita)**

[An operative case of solitary interruption of the aortic arch in adult] Kanoh T, et al. **Kokyu To Junkan** 1991 Apr; 39(4):367–72 (28 ref.) (Eng. Abstr.) **(Jpn)**

[A report of successful treatment of mediastinitis and graft infection after ascending and aortic arch reconstruction] Harakawa I, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Oct;38(10):2112–6 (10 ref.) (Eng. Abstr.) **(Jpn)**

[One-staged surgery for coarctation of the aorta associated with annuloaortic ectasia—a case report] Koyama T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jan; 39(1):128–32 (12 ref.) (Eng. Abstr.) **(Jpn)**

[Restorative-reconstructive surgery of the valve system of deep veins of the lower extremities] Sukovatykh BS, et al. **Vestn Khir** 1991 Jan;146(1):136–40 (31 ref.) **(Rus)**

ADVERSE EFFECTS

Aortobronchial fistula after an aortic operation. Ishizaki Y, et al. **Ann Thorac Surg** 1990 Dec;50(6):975–7 (8 ref.)

Salvage of prosthetic grafts and joints in the lower extremity. Budny PJ, et al. **Clin Plast Surg** 1991 Jul;18(3):583–91 (51 ref.)

Angiosarcoma at the site of a Dacron vascular prosthesis: a case report and literature review. Weiss WM, et al. **J Vasc Surg** 1991 Jul;14(1):87–91 (13 ref.)

[Rupture of an infected vein graft in the course of mediastinitis following coronary artery bypass grafting: report of a case] Kohno H, et al. **Kyobu Geka** 1990 Nov; 43(12):996–9 (11 ref.) (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

Utilizing vascular prostheses for drug delivery. Greco RS. **J Vasc Surg** 1991 May;13(5):753–5 (10 ref.)

METHODS

The use of endothelial seeding of prosthetic arterial bypass grafts. Herring MB. **Surg Annu** 1991;23 Pt 2:157–71 (45 ref.)

BLOOD VESSELS

see related
ANGIOGRAPHY
VASCULAR RESISTANCE
VASCULAR SURGERY

Gene transfer into vascular cells. Nabel EG, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):189B–194B (27 ref.)

ABNORMALITIES

Watermelon stomach. Park RH, et al. **Br J Surg** 1991 Apr; 78(4):395–6 (24 ref.)

The organogenesis and anatomy of vascular malformation. Bastide G, et al. **Int Angiol** 1990 Jul–Sep;9(3):137–40 (13 ref.)

Congenital vascular defects. Introduction and historical review. Belov S. **Int Angiol** 1990 Jul–Sep;9(3):135–6 (19 ref.)

Association of von Willebrand's disease with plasma cell dyscrasia and gastrointestinal angiodysplasia. Rahmani R, et al. **Isr J Med Sci** 1990 Sep;26(9):504–9 (34 ref.)

[Gastrointestinal angiodysplasia] Jakab F, et al. **Orv Hetil** 1990 Sep 9;131(36):1967–71 (20 ref.) (Eng. Abstr.) **(Hun)**

ANATOMY & HISTOLOGY

Practical aspects of vascular imaging using MRI. Spritzer CE, et al. **Crit Rev Diagn Imaging** 1990;31(2):145–85 (105 ref.)

Endothelial cell biology in relation to current concepts of vessel wall structure and function. Marsden PA, et al. **J Am Soc Nephrol** 1991 Jan;1(7):931–48 (197 ref.)

[Vasomotor activity and vascular geometry] Escourrou P. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:53–7 (7 ref.) (Eng. Abstr.) **(Fre)**

[MR angiography] Baumgart T, et al. **Radiol Diagn (Berl)** 1990;31(5):489–92 (11 ref.) (Eng. Abstr.) **(Ger)**

[The range and prospectives of intravascular echocardiography] Tuccillo B, et al. **G Ital Cardiol** 1990 May;20(5):425–30 (25 ref.) **(Ita)**

CHEMISTRY

Vascular receptors for atrial natriuretic peptide in hypertension. Schiffrin EL. **Int J Rad Appl Instrum [B]** 1990;17(7):673–6 (20 ref.)

DRUG EFFECTS

Drug-induced modification of vascular structure: effects of antihypertensive drugs. Schachter M. **Am Heart J** 1991 Jul;122(1 (Pt 2)):316–23 (76 ref.)

Sympatholytic interventions and vascular remodelling. Lee RM, et al. **Basic Res Cardiol** 1991;86 Suppl 1:55–64 (36 ref.)

Local control of human peripheral vascular tone: implications for drug therapy. Benjamin N, et al. **Clin Sci** 1991 Mar; 80(3):183–90 (100 ref.)

[The chronic action of lead on the vascular system: the problem of ecological pathology] Zerbino DD, et al. **Arkh Patol** 1990;52(7):70–3 (50 ref.) (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Organisation and reorganisation of blood vessels in embryonic development. Navaratnam V. **Eye** 1991;5 (Pt 2):147–50 (14 ref.)

GROWTH & DEVELOPMENT

Control of growth and differentiation of vascular cells by extracellular matrix proteins. Carey DJ. **Annu Rev Physiol** 1991;53:161–77 (82 ref.)

INJURIES

Diagnosis and management of vascular injuries associated with skeletal trauma. Damron T, et al. **Orthop Rev** 1990 Dec;19(12):1063–70 (42 ref.)

Anterior perforations in lumbar discectomies. A report of four cases of vascular complications and a CT study of the prevertebral lumbar anatomy. Anda S, et al. **Spine** 1991 Jan;16(1):54–60 (75 ref.)

INNERVATION

Pressure and flow: are these the true vascular neuroeffectors? Bevan JA. **Blood Vessels** 1991;28(1–3):164–72 (41 ref.)

Release of vasoactive peptides from autonomic and sensory nerves. Lundberg JM, et al. **Blood Vessels** 1991; 28(1–3):27–34 (34 ref.)

Comparison between the vascular beds of upper and lower airways. Widdicombe JG. **Eur Respir J Suppl** 1990 Dec; 12:564s–571s (37 ref.)

METABOLISM

Vascular and platelet eicosanoids, smoking and atherosclerosis. Jeremy JY, et al. **Adv Exp Med Biol** 1990; 273:135–46 (63 ref.)

Pathobiology of vascular cells in vitro in relation to human atherogenesis. Organ and species differences. Robertson AL Jr. **Ann N Y Acad Sci** 1990;598:200–16 (91 ref.)

Vascular signal transduction and atherosclerosis. Smirnov VN, et al. **Ann N Y Acad Sci** 1990;598:167–81 (46 ref.)

PATHOLOGY

Molecular biology of vascular hypertrophy. Campbell JH, et al. **Basic Res Cardiol** 1991;86 Suppl 1:3–11 (59 ref.)

Magnetic resonance techniques for blood-flow measurement and vascular imaging. Rutt BK, et al. **Can Assoc Radiol J** 1991 Feb;42(1):21–30 (35 ref.)

Angiotensin converting enzyme inhibition and vascular hypertrophy in hypertension. Gibbons GH, et al. **Cardiovasc Drugs Ther** 1990 Feb;4(1):237–42 (45 ref.)

An overview of intimal hyperplasia. Chervu A, et al. **Surg Gynecol Obstet** 1990 Nov;171(5):433–47 (197 ref.)

Recent concepts in the pathology of leprosy. Mukherjee A. **Trop Med Parasitol** 1990 Sep;41(3):344–6 (34 ref.)

PHYSIOLOGY

Fibrin and the vessel wall. Kaplan KL, et al. **Adv Exp Med Biol** 1990;281:313–8 (20 ref.)

von Willebrand factor and platelet interactions with the vessel wall. Fressinaud E, et al. **Blood Coagul Fibrinolysis** 1991 Apr;2(2):333–40 (58 ref.)

Physiological modulation of alpha-adrenoceptor and 5HT receptor expression in blood vessels. McGrath JC, et al. **Blood Vessels** 1990;27(2–5):146–52 (25 ref.)

Interaction of vascular alpha-1 adrenoceptors with multiple signal transduction pathways. Ruffolo RR Jr, et al. **Blood Vessels** 1991;28(1–3):122–8 (21 ref.)

Molecular biology of the vascular renin-angiotensin system. Samani NJ, et al. **Blood Vessels** 1991;28(1–3):210–6 (45 ref.)

Endothelial control of vascular tone and growth. Lüscher TF. **Clin Exp Hypertens [A]** 1990;12(5):897–902 (14 ref.)

Neurovascular mechanisms and sodium balance in the pathogenesis of hypertension. Brum JM, et al. **Hypertension** 1991 Jan;17(1 Suppl):I45–51 (55 ref.)

Role of endothelium-derived relaxing factor in regulation of vascular tone and remodeling. Update on humoral regulation of vascular tone. Tolins JP, et al. **Hypertension** 1991 Jun;17(6 Pt 2):909–16 (99 ref.)

Vascular mediation of gastric mucosal damage and cytoprotection. Jacobson ED. **Indian J Physiol Pharmacol** 1990 Oct;34(4):223–34 (82 ref.)

Vascular angiotensin pathways: a new therapeutic target. Dzau VJ. **J Cardiovasc Pharmacol** 1987;10 Suppl 7:S9–16 (60 ref.)

von Willebrand factor and the blood vessel wall. Sixma JJ, et al. **Mayo Clin Proc** 1991 Jun;66(6):628–33 (48 ref.)

[The importance of smooth muscle cell cultures for understanding the physiology and pathophysiology of vascular walls] Bačáková-Reřábková L. **Cesk Fysiol** 1990; 39(5):411–27 (152 ref.) **(Cze)**

[The role of dynamic deformation of blood vessels in the regulation of their tone] Dvoretskiĭ DP. **Fiziol Zh SSSR** 1990 Aug;76(8):961–76 (44 ref.) **(Rus)**

PHYSIOPATHOLOGY

Platelet-vessel wall interactions in individuals who smoke cigarettes. Murray JJ, et al. **Adv Exp Med Biol** 1990; 273:189–98 (49 ref.)

Peripheral adaptations in congestive heart failure: a review. Just H. **Am J Med** 1991 May 29;90(5B):23S–26S (26 ref.)

Role of vascular wall renin: intracellular and extracellular mechanism. Inagami T, et al. **Blood Vessels** 1991; 28(1–3):217–23 (26 ref.)

Pathophysiology of myocardial ischemia: importance of platelet-vessel wall interactions. Parratt JR. **Cardiovasc Drugs Ther** 1988 May;2(1):35–40 (39 ref.)

Abnormalities of vascular reactivity in the sepsis syndrome. Sibbald WJ, et al. **Chest** 1991 Sep;100(3 Suppl):155S–159S (33 ref.)

Hemodynamic determinants of vascular changes in hypertension and atherosclerosis. Heistad DD, et al. **Hypertension** 1991 Apr;17(4 Suppl):III7–11 (30 ref.)

Are vascular abnormalities a primary cause or secondary consequence of hypertension? Mulvany MJ. **Hypertension** 1991 Sep;18(3 Suppl):I52–7 (71 ref.)

TRANSPLANTATION

An argument in favor of all-autogenous tissue for vascular bypasses below the inguinal ligament. Donaldson MC, et al. **Adv Surg** 1991;24:69–90 (46 ref.)

ULTRASONOGRAPHY

Color Doppler flow imaging. Foley WD, et al. **AJR Am J Roentgenol** 1991 Jan;156(1):3–13 (34 ref.)

Doppler sonographic imaging of the vascular system. Report of the Ultrasonography Task Force. Council on Scientific Affairs, American Medical Association. **JAMA** 1991 May 8;265(18):2382–7 (78 ref.)

ULTRASTRUCTURE

Heterogeneity of vascular muscarinic receptors. Eglen RM, et al. **J Auton Pharmacol** 1990 Aug;10(4):233–45 (69 ref.)

BLOOD VISCOSITY

Modifications of blood rheology during aging and age-related pathological conditions. Dintenfass L. **Aging (Milano)** 1989;1(2):99–125 (185 ref.)

Viscosity as the symptom leading to plasma exchange. Guillevin L, et al. **Curr Stud Hematol Blood Transfus** 1990; (57):220–38 (56 ref.)

Blood rheology and ischaemia. Nash GB. **Eye** 1991;5 (Pt 2):151–8 (52 ref.)

DRUG EFFECTS

Mechanical factors in large artery disease and antihypertensive drugs. Levenson J, et al. **Am J Cardiol** 1990 Sep 25;66(9):39C–42C (22 ref.)

Blood viscosity and platelet function in thrombolytic therapy of acute myocardial infarction. Hoffmann JJ. **Eur Heart J** 1990 Aug;11 Suppl F:29–35 (51 ref.)

The effects of calcium channel blockers on blood fluidity. Koenig W, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 6:S40–4 (33 ref.)

[Pharmacokinetics and changes in the physical properties of blood and urine after administration of dextran 60000] Kienlen J, et al. **Ann Fr Anesth Reanim** 1990;9(6):495–500 (17 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

[The clinical rheological laboratory] Kiesewetter H, et al. **Biomed Tech (Berlin)** 1990 Oct;35(10):219–23 (24 ref.) (Eng. Abstr.) **(Ger)**

[Hemorheology: playing games or relevant research?] Ernst E. **Vasa Suppl** 1990;30:26–9 (16 ref.) **(Ger)**

[Blood viscosity and myocardial microcirculation] Kochmański M, et al. **Kardiol Pol** 1990;33(11–2):64–70 (36 ref.) **(Pol)**

BLOOD VOLUME

Pathophysiologic aspects of plasma volume preservation during dialysis and ultrafiltration. Leunissen KM, et al. **Contrib Nephrol** 1990;78:201–11 (39 ref.)

Suggested reference values for regional blood volumes in humans. Leggett RW, et al. **Health Phys** 1991 Feb; 60(2):139–54 (154 ref.)

PHYSIOLOGY

Comparative aspects of the endocrine myocardium. Aardal S, et al. **Acta Physiol Scand Suppl** 1991;599:31–46 (183 ref.)

Atrial regulation of intravascular volume: observations on the tachycardia-polyuria syndrome. Zullo MA. **Am Heart J** 1991 Jul;122(1 (Pt 1)):188–94 (108 ref.)

Hemodynamic and neurohumoral responses to acute hypovolemia in conscious mammals. Schadt JC, et al. **Am J Physiol** 1991 Feb;260(2 Pt 2):H305–18 (152 ref.)

Theoretical study of pressure-volume relation in left ventricle. Shoucri RM. **Am J Physiol** 1991 Jan;260(1 Pt 2):H282–91 (27 ref.)

Cardiac hypertrophy due to pressure and volume overload: distinctly different biological phenomena? Rossi MA, et al. **Int J Cardiol** 1991 May;31(2):133–41 (75 ref.)

Regulation of proximal reabsorption by effective arterial blood volume. Seldin DW, et al. **Semin Nephrol** 1991 Mar; 11(2):212–9 (71 ref.)

[Recent developments in position sensors] Schaldach M, et al. **Biomed Tech (Berlin)** 1990;35 Suppl 3:207–9 (6 ref.) **(Ger)**

[Hypertensive-hypervolemic therapy in cerebral vasospasm] Haberl RL, et al. **Nervenarzt** 1990 Dec;61(12):749–51 (15 ref.) **(Ger)**

[Atrial natriuretic peptide. II. Pathophysiology and possible clinical significance. Review.] Vollmar AM.

Tierarztl Prax 1990 Aug;18(4):319–22 (25 ref.) (Eng. Abstr.) (Ger)

BLOOD VOLUME DETERMINATION

METHODS

[Quantifying volume loss] Gauss A. Klin Anasthesiol Intensivther 1990;38:121–36 (27 ref.) (Ger)

BLOOM SYNDROME

Molecular and biochemical aspects of Bloom's syndrome. Nicotera TM. Cancer Genet Cytogenet 1991 May;53(1):1–13 (74 ref.)

GENETICS

Nature and role of high sister chromatid exchanges in Bloom syndrome cells. Some cytogenetic and immunological aspects. Shiraishi Y. Cancer Genet Cytogenet 1990 Dec; 50(2):175–87 (33 ref.)

DNA repair and the molecular mechanisms of Bloom's syndrome. Sirover MA, et al. Crit Rev Oncog 1990; 2(1):19–33 (111 ref.)

Bloom syndrome and ataxia telangiectasia. Llerena JC Jr, et al. Semin Hematol 1991 Apr;28(2):95–103 (62 ref.)

BLOOM-TORRE-MACHACEK SYNDROME see **BLOOM SYNDROME**

BLOTTING, SOUTHERN

[Hepatitis B virus DNA. Current diagnosis in children with chronic hepatitis B] Wirth S, et al. Monatsschr Kinderheilkd 1991 Apr;139(4):202–7 (31 ref.) (Eng. Abstr.) (Ger)

BLUNT INJURIES see **WOUNDS, NONPENETRATING**

BODY BUILD see **SOMATOTYPES**

BODY COMPOSITION

In vivo NMR spectroscopy. Allen PS. Basic Life Sci 1990; 55:419–26 (24 ref.)

Measurements of trace elements in vivo. Chettle DR, et al. Basic Life Sci 1990;55:247–57 (41 ref.)

Local body composition measurements by NMR. Code RF, et al. Basic Life Sci 1990;55:125–32 (27 ref.)

Body composition for the investigation of obesity. Garrow J. Basic Life Sci 1990;55:183–90 (23 ref.)

Post–menopausal osteoporosis and measurements of body composition. Kanis JA, et al. Basic Life Sci 1990;55:61–73 (23 ref.)

Applications of bioelectrical impedance analysis: a critical review. Lukaski HC. Basic Life Sci 1990;55:365–74 (36 ref.)

An introduction—quid sciendum. McNeill KG, et al. Basic Life Sci 1990;55:xv–xviii (20 ref.)

Infant body composition measurements as an assessment of nutritional status. Nichols BL, et al. Basic Life Sci 1990; 55:1–14 (44 ref.)

High precision in–vivo neutron activation analysis: a new era for compartmental analysis in body composition. Pierson RN Jr, et al. Basic Life Sci 1990;55:317–25 (19 ref.)

Growth hormone and body composition. Bengtsson BA, et al. Horm Res 1990;33 Suppl 4:19–24 (54 ref.)

Body composition in humans: advances in the development of multicompartment chemical models. Heymsfield SB, et al. Nutr Rev 1991 Apr;49(4):97–108 (45 ref.)

The meaning and measurement of lean body mass. Roubenoff R, et al. Nutr Rev 1991 Jun;49(6):163–75 (63 ref.)

Body composition in adolescent athletes. Hergenroeder AC, et al. Pediatr Clin North Am 1990 Oct;37(5):1057–83 (92 ref.)

Body composition: the precision and accuracy of new methods and their suitability for longitudinal studies. Fuller MF, et al. Proc Nutr Soc 1990 Oct;49(3):423–36 (38 ref.)

Variability in the measures of body fat. Assumptions or technique? Martin AD, et al. Sports Med 1991 May; 11(5):277–88 (41 ref.)

Bioelectrical impedance analysis to determine fat–free mass, total body water and body fat. Van Loan MD. Sports Med 1990 Oct;10(4):205–17 (52 ref.)

[Assessment of human body composition by total body electrical conductivity (TOBEC)] Iwanaga K, et al. Ann Physiol Anthropol 1991 Jan;10(1):19–24 (18 ref.) (Jpn)

[Methods for the assessment of human body composition: skinfold thickness and bioelectrical impedance measurements] Komiya S. Ann Physiol Anthropol 1991 Jan; 10(1):3–17 (64 ref.) (Eng. Abstr.) (Jpn)

DRUG EFFECTS

Effects of growth hormone on body composition and metabolism. Edén S, et al. Acta Paediatr Scand Suppl 1990; 367:14–9 (60 ref.)

Adipose cellularity in Gallus domesticus: investigations to control body composition in growing chickens. Cartwright AL. J Nutr 1991 Sep;121(9):1486–97 (101 ref.)

IMMUNOLOGY

Immunological approaches for manipulation of animal growth, body composition and fecundity. Flint DJ. Biotechnol Genet Eng Rev 1990;8:97–131 (176 ref.)

PHYSIOLOGY

Bioelectric impedance methods for the estimation of body composition. Chumlea WC, et al. Can J Sport Sci 1990 Sep;15(3):172–9 (88 ref.)

Somatotypes of weight lifters. Orvanová E. J Sports Sci 1990 Summer;8(2):119–37 (45 ref.)

Performance variables associated with the competitive gymnast. Bale P, et al. Sports Med 1990 Sep;10(3):139–45 (53 ref.)

BODY CONSTITUTION

Body size and breast cancer prognosis: a critical review of the evidence. Goodwin PJ, et al. Breast Cancer Res Treat 1990 Oct;16(3):205–14 (19 ref.)

Body contouring and weight loss surgery for obesity. Black J, et al. Nurs Clin North Am 1991 Sep;26(3):777–88 (21 ref.)

The conspiracy of culture. Women's issues in body size. Fontaine KL. Nurs Clin North Am 1991 Sep;26(3):669–76 (13 ref.)

PHYSIOLOGY

Brains, bodies and metabolism. Armstrong E. Brain Behav Evol 1990;36(2–3):166–76 (82 ref.)

Energy balance, body size, and cancer. Albanes D. Crit Rev Oncol Hematol 1990;10(3):283–303 (245 ref.)

[Maximal oxygen consumption and various physiological and somatic characteristics of students of the Białystok Medical Academy 1976–1977 and 1980–1986] Kiczka K, et al. Rocz Akad Med Bialymst 1988–89;33–34:177–207 (84 ref.) (Eng. Abstr.) (Pol)

BODY FLUID COMPARTMENTS

Immunological and neuropathological significance of the Virchow–Robin space. Esiri MM, et al. J Neurol Sci 1990 Dec;100(1–2):3–8 (69 ref.)

BODY FLUIDS

see related
DEHYDRATION
RADIOISOTOPE DILUTION TECHNIQUE

CHEMISTRY

Cytokine measurements in body fluids. Whicher J, et al. Eur Cytokine Netw 1990 Oct–Nov;1(4):239–43 (19 ref.)

A review of the physiological significance of hypertonic body fluids on feed intake and ruminal function: salivation, motility and microbes. Carter RR, et al. J Anim Sci 1990 Sep;68(9):2811–32 (161 ref.)

Determination of L–3,4–dihydroxyphenylalanine in biological fluids and tissues. Dizdar N, et al. J Chromatogr 1991 Apr 19;565(1–2):1–26 (101 ref.)

Hydrophilic shielding of hydrophobic, cation– and anion–exchange phases for separation of small analytes: direct injection of biological fluids onto high–performance liquid chromatographic columns. Feibush B, et al. J Chromatogr 1991 May 17;544(1–2):41–9 (13 ref.)

Application of micellar mobile phases for the assay of drugs in biological fluids. Koenigbauer MJ. J Chromatogr 1990 Oct 12;531:79–99 (50 ref.)

Clinical utility of lactic acid measurement in body fluids other than plasma. Nanji AA, et al. J Emerg Med 1984;1(6):521–6 (42 ref.)

Sample preparation for the HPLC analysis of drugs in biological fluids. McDowall RD, et al. J Pharm Biomed Anal 1989;7(9):1087–96 (25 ref.)

PHYSIOLOGY

Renal function curves and control of body fluids and arterial pressure. Guyton AC. Acta Physiol Scand Suppl 1990; 591:107–13 (5 ref.)

The anterior third ventricle region is a receptor site for composition rather than volume of body fluids. Lichardus B, et al. Adv Exp Med Biol 1990;274:211–26 (18 ref.)

Endogenous natriuretic and ouabain–like factors. Their roles in body fluid volume and blood pressure regulation. Kramer HJ, et al. Am J Hypertens 1991 Jan;4(1 Pt 1):81–9 (49 ref.)

Airway luminal liquid. Sources and role as an amplifier of bronchoconstriction. Yager D, et al. Am Rev Respir Dis 1991 Mar;143(3 Pt 2):S52–4 (33 ref.)

Atrial natriuretic peptide (ANP) as a neuropeptide: interaction with angiotensin II on volume control and renal sodium handling. Unger T, et al. Br J Clin Pharmacol 1990; 30 Suppl 1:83S–88S (35 ref.)

Principles of fluid dynamics and circulatory control in end–stage renal failure. Schultze G, et al. Contrib Nephrol 1989;74:207–20 (52 ref.)

Blood pressure control—special role of the kidneys and body fluids. Guyton AC. Science 1991 Jun 28;252(5014):1813–6 (35 ref.)

BODY HEIGHT

Is there an auxological basis for growth–promoting treatment with human growth hormone in short children? Ranke MB, et al. Acta Paediatr Scand Suppl 1990;367:4–10 (39 ref.)

Is it ethical to treat healthy short children with growth hormone? Underwood LE, et al. Acta Paediatr Scand Suppl 1989;362:18–23 (20 ref.)

Research on secular trends in auxology. Malina RM. Anthropol Anz 1990 Sep;48(3):209–27 (90 ref.)

Are boys more vulnerable to psychosocial growth retardation? Rudolf MC, et al. Dev Med Child Neurol 1990 Nov;32(11):1022–5 (38 ref.)

Biosocial influences on stature: a review. Mascie–Taylor CG. J Biosoc Sci 1991 Jan;23(1):113–28 (106 ref.)

Is taller really better? Growth hormone therapy in short children. Diekema DS. Perspect Biol Med 1990 Autumn; 34(1):109–23 (70 ref.)

DRUG EFFECTS

Can growth hormone treatment increase final height in constitutional short stature? Ivarsson SA. Acta Paediatr Scand Suppl 1989;362:56–60 (29 ref.)

Growth promoters in humans. Burns HJ. Proc Nutr Soc 1990 Oct;49(3):467–72 (142 ref.)

GENETICS

Adult height in children with constitutional short stature. Ranke MB, et al. Acta Paediatr Scand Suppl 1989;362:27–31 (15 ref.)

Mosaicism 45,X/46,X, t dic(Xp:Xp) in a girl with short stature. Abulhasan SJ, et al. Ann Genet 1990;33(4):234–8 (19 ref.)

PHYSIOLOGY

Shunt lengthening: a descriptive review. Greif L, et al. J Neurosci Nurs 1991 Apr;23(2):120–4 (18 ref.)

[Secular trend of physical development and its significance for pediatric practice] Eiben OG. Arztl Jugendkd 1990; 81(5):361–7 (11 ref.) (Eng. Abstr.) (Ger)

BODY IMAGE

Body dysmorphic disorder: the distress of imagined ugliness. Phillips KA. Am J Psychiatry 1991 Sep;148(9):1138–49 (100 ref.)

The impact of breast cancer on sexuality, body image, and intimate relationships. Schover LR. CA 1991 Mar–Apr; 41(2):112–20 (35 ref.)

Body dysmorphic disorder and the DSM–IV: the demise of dysmorphophobia. Munro A, et al. Can J Psychiatry 1991 Mar;36(2):91–6 (48 ref.)

Psychiatric aspects of head and neck surgery. Part I: New surgical techniques and psychiatric consequences. Bronheim H, et al. Gen Hosp Psychiatry 1991 May; 13(3):165–76 (54 ref.)

Body–image therapy. Miller KD. Nurs Clin North Am 1991 Sep;26(3):727–36 (25 ref.)

Laterality of cerebral controls on somatic and autonomic functions. Tohgi H, et al. Tohoku J Exp Med 1990 Aug; 161 Suppl:213–29 (33 ref.)

[Perspectives of an existential interdisciplinary body theory] Kühn R. Z Klin Psychol Psychopathol Psychother 1990; 38(4):376–96 (80 ref.) (Eng. Abstr.) (Ger)

[Bulimia] Koszewska I, et al. Psychiatr Pol 1990 Mar–Apr; 24(2):165–71 (20 ref.) (Pol)

BODY MASS INDEX

see related
SKINFOLD THICKNESS

BODY ROCKING see **STEREOTYPED BEHAVIOR**

BODY SIZE see **BODY CONSTITUTION**

BODY TEMPERATURE

see related
FEVER
THERMOGRAPHY
THERMOMETERS

The pathogenesis of epididymo–testicular dysfunction in varicocele: factors other than temperature. Comhaire F. Adv Exp Med Biol 1991;286:281–7 (38 ref.)

Scrotal hyperthermia; etiologic factors: facts and hypotheses. Mieusset R. Adv Exp Med Biol 1991;286:211–6 (27 ref.)

Testicular hyperthermia: physiopathology, diagnostic and therapeutical concepts. Mirone V, et al. Adv Exp Med Biol 1991;286:217–20 (18 ref.)

Theoretical and practical considerations in scrotal temperature measurement. Sealfon AI. Adv Exp Med Biol 1991;286:99–110 (16 ref.)

Deep body intrascrotal thermometer: theory and methodology. Takihara H, et al. Adv Exp Med Biol 1991; 286:115–9 (7 ref.)

Non–invasive scrotal thermometry. Zorgniotti AW. Adv Exp Med Biol 1991;286:111–4 (9 ref.)

Physiological mechanisms of temperature biofeedback. Freedman RR. Biofeedback Self Regul 1991 Jun; 16(2):95–115 (54 ref.)

Tympanic membrane thermometer: a new and improved way to measure temperature? Ros SP. **Pediatr Emerg Care** 1990 Dec;6(4):299–300 (10 ref.)

PHYSIOLOGY

Neuroendocrine mechanisms in the thermogenic responses to diet, infection, and trauma. Rothwell NJ. **Adv Exp Med Biol** 1990;274:371–80 (75 ref.)

[Stabilization of the perioperative heat balance] Turner E, et al. **Klin Anasthesiol Intensivther** 1990;38:152–60 (21 ref.) **(Ger)**

BODY TEMPERATURE REGULATION

The multi-level compartmentation of the simulation models of the counter-current heat exchange (CCHE) mechanism of the testis. Tritto G. **Adv Exp Med Biol** 1991;286:137–51 (16 ref.)

Thermoregulation of the scrotum and testis: studies in animals and significance for man. Waites GM. **Adv Exp Med Biol** 1991;286:9–17 (19 ref.)

Hypothesis to explain subfertile semen. Zorgniotti AW. **Adv Exp Med Biol** 1991;286:221–3 (5 ref.)

Significance of cation transport in control of energy metabolism and thermogenesis. Clausen T, et al. **Physiol Rev** 1991 Jul;71(3):733–74 (471 ref.)

[Various results of clinical-experimental studies of the human temperature analyzer] Likhtenshtein VA. **Fiziol Cheloveka** 1990 Sep–Oct;16(5):158–61 (21 ref.) **(Rus)**

DRUG EFFECTS

Hot flushes: mechanism and prevention. Radlmaier A, et al. **Prog Clin Biol Res** 1990;359:131–40; discussion 141–53 (44 ref.)

PHYSIOLOGY

The physiology of testicular thermoregulation in the light of new anatomical and pathological aspects. Shafik A. **Adv Exp Med Biol** 1991;286:153–72 (22 ref.)

From temperature regulation to rhythm research. Aschoff J. **Chronobiol Int** 1990;7(3):179–86 (85 ref.)

Mechanisms of the pyrogenic actions of cytokines. Rothwell NJ. **Eur Cytokine Netw** 1990 Oct–Nov;1(4):211–3 (12 ref.)

Water and heat balance. Hammarlund K. **Int J Technol Assess Health Care** 1991;7 Suppl 1:85–9 (25 ref.)

Thermoregulation under conditions of impaired body fluid/osmotic balance in mammals. Horowitz M. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):267–76 (20 ref.)

Peripheral and central thermosensitivity. Pierau FK, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):323–35 (68 ref.)

Current problems in thermal physiology. Simon E, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec;1(1–4):235–9 (12 ref.)

Central modulators of thermoregulation. Zeisberger E. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):277–89 (38 ref.)

Effects of nutrient intake on sympathoadrenal activity and thermogenic mechanisms. Astrup AV, et al. **J Neurosci Methods** 1990 Sep;34(1–3):187–92 (38 ref.)

An update on thermosensitive neurons in the brain: from cellular biology to thermal and non-thermal homeostatic functions. Hori T. **Jpn J Physiol** 1991;41(1):1–22 (71 ref.)

Hypertension in obesity may reflect a homeostatic thermogenic response. Clark MG, et al. **Life Sci** 1991; 48(10):939–47 (67 ref.)

Food intake regulation by diet-induced thermogenesis. Rampone AJ, et al. **Med Hypotheses** 1991 Jan;34(1):7–12 (31 ref.)

Thyroid hormones and thermogenesis. Dauncey MJ. **Proc Nutr Soc** 1990 Jul;49(2):203–15 (83 ref.)

The sodium pump and other mechanisms of thermogenesis in selected tissues. Kelly JM, et al. **Proc Nutr Soc** 1990 Jul;49(2):185–202 (119 ref.)

Thermogenesis above maintenance in humans. Norgan NG. **Proc Nutr Soc** 1990 Jul;49(2):217–26 (59 ref.)

Thermoregulation in pregnancy. Implications for exercise. McMurray RG, et al. **Sports Med** 1990 Sep;10(3):146–58 (61 ref.)

[The thermogenic function of the large intestine and diverticulosis] Shagzh Z. **Sante Publique (Bucur)** 1990 Jan–Mar;33(1):61–7 (21 ref.) **(Fre)**

[Extra-hormonal aspects of the central action of thyroliberin (TRH)] Przegaliński E. **Acta Physiol Pol** 1989;40 Suppl 34:115–26 (39 ref.) **(Pol)**

[Interrelations between functional changes and health status and climatic factors of Extreme North (review)] Dedenko II, et al. **Gig Sanit** 1990 Jul;(7):4–9 (58 ref.) **(Rus)**

[Current theories on the role of the central nervous system in temperature regulation in the human body] Akimov GA, et al. **Sov Med** 1990;(10):43–6 (46 ref.) **(Rus)**

BODY TYPES see **SOMATOTYPES**

BODY WATER

MR imaging of anisotropically restricted diffusion of water in the nervous system: technical, anatomic, and pathologic considerations. Hajnal JV, et al. **J Comput Assist Tomogr** 1991 Jan–Feb;15(1):1–18 (40 ref.)

METABOLISM

Hyperosmolar states. Star RA. **Am J Med Sci** 1990 Dec; 300(6):402–12 (97 ref.)

Current understanding of the cellular biology and molecular structure of the antidiuretic hormone-stimulated water transport pathway. Harris HW Jr, et al. **J Clin Invest** 1991 Jul;88(1):1–8 (58 ref.)

Diffusion of water in tissues and MRI. Hazlewood CF, et al. **Magn Reson Med** 1991 Jun;19(2):214–6 (7 ref.)

PHYSIOLOGY

Plasma exudation in tracheobronchial and nasal airways: a mucosal defence mechanism becomes pathogenic in asthma and rhinitis. Persson CG. **Eur Respir J Suppl** 1990 Dec; 12:652s–656s; discussion 656s–657s (27 ref.)

BODY WEIGHT

see related
OBESITY
THINNESS

Diet-induced thermogenesis. An experimental study in healthy and obese individuals. Thörne A. **Acta Chir Scand Suppl** 1990;558:6–59 (145 ref.)

Research on secular trends in auxology. Malina RM. **Anthropol Anz** 1990 Sep;48(3):209–27 (90 ref.)

Separate effects of dietary protein and fat on serum cholesterol levels: another view of amino acid content of proteins. Sánchez A, et al. **Arch Latinoam Nutr** 1988 Jun; 38(2):239–50 (45 ref.)

Menstrual function and luteal-phase deficiency in relation to weight changes and dieting. Schweiger U. **Clin Obstet Gynecol** 1991 Mar;34(1):191–7 (20 ref.)

Gender differences in eating behavior and body weight regulation. Rolls BJ, et al. **Health Psychol** 1991; 10(2):133–42 (90 ref.)

Clinical interaction of salt and weight change on blood pressure level. Prineas RJ. **Hypertension** 1991 Jan;17(1 Suppl):I143–9 (36 ref.)

Low body weight and weight loss in the aged. Fischer J, et al. **J Am Diet Assoc** 1990 Dec;90(12):1697–706 (148 ref.)

The diet and cancer hypothesis: current trends. Saracci R. **Med Oncol Tumor Pharmacother** 1990;7(2–3):99–107 (18 ref.)

The role of exercise in weight regulation in nonathletes. King AC, et al. **Sports Med** 1991 May;11(5):331–49 (154 ref.)

Variability in the measures of body fat. Assumptions or technique? Martin AD, et al. **Sports Med** 1991 May; 11(5):277–88 (41 ref.)

DRUG EFFECTS

Effects of intense sweeteners on hunger, food intake, and body weight: a review. Rolls BJ. **Am J Clin Nutr** 1991 Apr;53(4):872–8 (45 ref.)

Lithium and weight gain. Chen Y, et al. **Int Clin Psychopharmacol** 1990 Jul;5(3):217–25 (42 ref.)

[Glycemic equilibrium and weight evolution in diabetics taking metformin] Isnard F, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:297–314 (33 ref.) **(Fre)**

PHYSIOLOGY

Weight homeostasis. Bray GA. **Annu Rev Med** 1991; 42:205–16 (53 ref.)

The right weight: body fat, menarche and ovulation. Frisch RE. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):419–39 (86 ref.)

Role of set-point theory in regulation of body weight [see comments] Harris RB. **FASEB J** 1990 Dec;4(15):3310–8 (66 ref.) Comment in: FASEB J 1991 Apr;5(7):2105–6.

Somatotypes of weight lifters. Orvanová E. **J Sports Sci** 1990 Summer;8(2):119–37 (45 ref.)

Neuroendocrine mechanisms involved in regulation of body weight, food intake and metabolism. Steffens AB, et al. **Neurosci Biobehav Rev** 1990 Fall;14(3):305–13 (87 ref.)

[Secular trend of physical development and its significance for pediatric practice] Eiben OG. **Arztl Jugendkd** 1990; 81(5):361–7 (11 ref.) (Eng. Abstr.) **(Ger)**

[The role of beta-endorphin in the pathogenesis of essential arterial hypertension and obesity] Słowińska-Srzednicka J. **Acta Physiol Pol** 1989;40 Suppl 34:98–114 (54 ref.) **(Pol)**

BOECK'S SARCOID see **SARCOIDOSIS**

BOMBESIN

Gastrin-releasing peptide (GRP, mammalian bombesin) in the pathogenesis of lung cancer. Viallet J, et al. **Prog Growth Factor Res** 1989;1(2):89–97 (50 ref.)

PHARMACOLOGY

Bombesin stimulation of mitogenesis. Specific receptors, signal transduction, and early events. Rozengurt E. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S11–5 (51 ref.)

Direct vs. indirect effects of bombesin on pancreatic growth. Liehr RM, et al. **Digestion** 1990;46 Suppl 2:202–7 (24 ref.)

Neuropeptides as cellular growth factors: role of multiple signalling pathways. Rozengurt E. **Eur J Clin Invest** 1991 Apr;21(2):123–34 (105 ref.)

BOMBINA see **ANURA**

BONDING, DENTAL see **DENTAL BONDING**

BONDING, HUMAN-PET

Human companion-animal relationships in the veterinary consulting room. Odendaal JS, et al. **J S Afr Vet Assoc** 1990 Mar;61(1):14–23 (56 ref.)

Diagnostic criteria for separation anxiety in the dog. McCrave EA. **Vet Clin North Am Small Anim Pract** 1991 Mar;21(2):247–55 (18 ref.)

[Behavior disorders in dogs—study of their classification] Feddersen-Petersen D. **DTW Dtsch Tierarztl Wochenschr** 1991 Jan;98(1):15–9 (18 ref.) (Eng. Abstr.) **(Ger)**

BONDING (PSYCHOLOGY) see **OBJECT ATTACHMENT**

BONDS, EMOTIONAL see **OBJECT ATTACHMENT**

BONE AND BONES

see related
CALCIFICATION, PHYSIOLOGIC

A simplified protocol for banking bone from surgical donors requiring a 90-day quarantine and an HIV-1 antibody test. La Prairie AJ, et al. **Can J Surg** 1991 Feb;34(1):41–8 (61 ref.)

[Heterotopic bone in urology] Gironella Coll J. **Arch Esp Urol** 1990 Sep;43(7):757–66 (31 ref.) (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Tetra-oligodactyly with bilateral aplasia and hypoplasia of long bones of upper and lower limbs: a variable manifestation of the syndrome of ectrodactyly with tibial aplasia. Sener RN, et al. **Pediatr Radiol** 1990;21(1):57–61 (11 ref.)

ANATOMY & HISTOLOGY

[Recent developments of sex determination using various skeletal sections] Leopold D, et al. **Beitr Gerichtl Med** 1990; 48:31–6 (32 ref.) (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Vascular supply to normal bone and healing fractures. Wilson JW. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):26–38 (46 ref.)

[Infusions into the venous bed of the bones] Atiasov NI. **Vestn Khir** 1991 Mar;146(3):134–7 (21 ref.) **(Rus)**

CHEMISTRY

Calbindin-D9k. A vitamin-D-dependent, calcium-binding protein in mineralized tissues. Balmain N. **Clin Orthop** 1991 Apr;(265):265–76 (78 ref.)

Lead in bone: sampling and quantitation using K X-rays excited by 109Cd. Chettle DR, et al. **Environ Health Perspect** 1991 Feb;91:49–55 (20 ref.)

Strategies for epidemiologic studies of lead in bone in occupationally exposed populations. Landrigan PJ. **Environ Health Perspect** 1991 Feb;91:81–6 (52 ref.)

Sialoproteins of bone and dentin. Butler WT. **J Biol Buccale** 1991 Mar;19(1):83–9 (53 ref.)

Aging reduces intestinal and skeletal receptors for 1,25-dihydroxyvitamin D. **Nutr Rev** 1991 Jun;49(6):189–91 (5 ref.)

CYTOLOGY

Biology of bone endothelial cells. Streeten EA, et al. **Bone Miner** 1990 Aug;10(2):85–94 (27 ref.)

DRUG EFFECTS

Alcohol and bone disease. Rico H. **Alcohol Alcohol** 1990; 25(4):345–52 (100 ref.)

Fluorides and osteoporosis. Kleerekoper M, et al. **Annu Rev Nutr** 1991;11:309–24 (94 ref.)

Side-effects of fluoride therapy. Laroche M, et al. **Baillieres Clin Rheumatol** 1991 Apr;5(1):61–76 (104 ref.)

The effects of TGF-beta on bone. Mundy GR. **Ciba Found Symp** 1991;157:137–43; discussion 143–51 (46 ref.)

The effects of fluoride on bone. Gruber HE, et al. **Clin Orthop** 1991 Jun;(267):264–77 (58 ref.)

Cellular and molecular toxicity of lead in bone. Pounds JG, et al. **Environ Health Perspect** 1991 Feb;91:17–32 (144 ref.)

Growth hormone (replacement) therapy in adults: bone and calcium metabolism. van der Veen EA, et al. **Horm Res** 1990;33 Suppl 4:65–8 (18 ref.)

Hormonal replacement therapy and the skeletal system. Christiansen C, et al. **Maturitas** 1990 Sep;12(3):247–57 (58 ref.)

EMBRYOLOGY

Bone cell differentiation: a functionally coupled relationship

between expression of cell-growth- and tissue-specific genes. Stein GS, et al. **Curr Opin Cell Biol** 1990 Dec; 2(6):1018-27 (24 ref.)

INJURIES

Penetrating orthopedic injuries. McAndrew MP, et al. **Surg Clin North Am** 1991 Apr;71(2):297-303 (27 ref.)

METABOLISM

Dermal, intestinal, and renal obligatory losses of calcium: relation to skeletal calcium loss. Charles P, et al. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):266S-273S (49 ref.)

Calcium supplementation and bone loss: a review of controlled clinical trials. Dawson-Hughes B. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):274S-280S (66 ref.)

Estrogen, calcium metabolism and the skeleton. Lindsay R, et al. **Ann N Y Acad Sci** 1991;622:307-14 (36 ref.)

Parenteral nutrition: effect on bone and mineral homeostasis. Klein GL, et al. **Annu Rev Nutr** 1991;11:93-119 (80 ref.)

Toxicokinetics of bone lead. Rabinowitz MB. **Environ Health Perspect** 1991 Feb;91:33-7 (25 ref.)

Lead in bone: implications for toxicology during pregnancy and lactation. Silbergeld EK. **Environ Health Perspect** 1991 Feb;91:63-70 (48 ref.)

The effects of oophorectomy on skeletal metabolism. Mazzuoli G, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):457-9 (11 ref.)

Vitamin D and bone. Stern PH. **Kidney Int Suppl** 1990 Sep; 29:S17-21 (56 ref.)

Studies on the relationship between boron and magnesium which possibly affects the formation and maintenance of bones. Nielsen FH. **Magnes Trace Elem** 1990;9(2):61-9 (24 ref.)

Skeletal buffer function and symptomatic magnesium deficiency. Langley WF, et al. **Med Hypotheses** 1991 Jan; 34(1):62-5 (27 ref.)

[Hormones in bone metabolism. II. Other systemic hormones] Zák J, et al. **Cas Lek Cesk** 1990 Dec 14;129(50):1578-81 (25 ref.) (Eng. Abstr.) **(Cze)**

[Hormones in bone metabolism. I. Calcitropic hormones] Zák J, et al. **Cas Lek Cesk** 1990 Dec 14;129(50):1574-7 (23 ref.) (Eng. Abstr.) **(Cze)**

[Bone metabolism and the parameters of its activity] Pfeilschifter J. **Internist (Berl)** 1990 Dec;31(12):727-36 (49 ref.) **(Ger)**

[Anticollagenolytic effect of tetracycline and its therapeutic use] Grabowska-Bochenek R, et al. **Przegl Lek** 1990; 47(3):353-4 (0 ref.) **(Pol)**

PATHOLOGY

Methodological problems in bone histomorphometry and its application in postmenopausal osteoporosis. Pødenphant J. **Dan Med Bull** 1990 Oct;37(5):424-33 (83 ref.)

The pathology of metabolic bone disease. Rosenberg AE. **Radiol Clin North Am** 1991 Jan;29(1):19-36 (42 ref.)

[The pathomorphology of metabolic osteopathies--the information potentials of iliac crest biopsies, the pathophysiology and the latest ideas on the structure of the spongiosa] Delling G, et al. **Internist (Berl)** 1990 Dec; 31(12):737-44 (18 ref.) **(Ger)**

[Osteoglophonic skeletal dysplasia--a variant of generalized fibrous dysplasia? Case report and review of the literature] Stöss H, et al. **Pathologe** 1991 May;12(3):161-6 (9 ref.) **(Ger)**

[The current status of and outlook for the development of the forensic medical identification of persons by bones exposed to high-temperature effects] Golubovich LL, et al. **Sud Med Ekspert** 1990 Oct-Dec;33(4):45-7 (64 ref.) **(Rus)**

PHYSIOLOGY

Roles of copper in bone maintenance and healing. Dollwet HH, et al. **Biol Trace Elem Res** 1988 Dec;18:39-48 (73 ref.)

A model of osteon closure in cortical bone. Polig E, et al. **Calcif Tissue Int** 1990 Nov;47(5):261-9 (27 ref.)

Calcitonin, osteoclasts, and bone turnover. Wallach S, et al. **Calcif Tissue Int** 1990 Dec;47(6):388-91 (0 ref.)

Bone tissue and physical activity. Bailey DA, et al. **Can J Sport Sci** 1990 Dec;15(4):229-39 (127 ref.)

The aging of bone and muscle. Wilmore JH. **Clin Sports Med** 1991 Apr;10(2):231-44 (61 ref.)

Matrix proteins of the skeleton. Seyedin SM, et al. **Curr Opin Cell Biol** 1990 Oct;2(5):914-9 (14 ref.)

Bone physiology. Alexandre C. **Curr Opin Rheumatol** 1991 Jun;3(3):452-6 (19 ref.)

Cellular activity, matrix proteins, and aging bone. Termine JD. **Exp Gerontol** 1990;25(3-4):217-21 (32 ref.)

The elastic moduli of human subchondral, trabecular, and cortical bone tissue and the size-dependency of cortical bone modulus. Choi K, et al. **J Biomech** 1990; 23(11):1103-13 (38 ref.)

Determination of mechanical properties of human femoral cortical bone by the Hopkinson bar stress technique. Katsamanis F, et al. **J Biomech** 1990;23(11):1173-84 (26 ref.)

Functional strains and cortical bone adaptation: epigenetic assurance of skeletal integrity. Rubin CT, et al. **J Biomech** 1990;23 Suppl 1:43-54 (86 ref.)

Candidates for the mechanosensory system in bone. Cowin SC, et al. **J Biomech Eng** 1991 May;113(2):191-7 (63 ref.)

Influence of magnetic fields on calcium salts crystal formation: an explanation of the 'pulsed electromagnetic field' technique for bone healing. Madroñero A. **J Biomed Eng** 1990 Sep;12(5):410-4 (28 ref.)

The biology of bone grafting. Gross TP, et al. **Orthopedics** 1991 May;14(5):563-8 (65 ref.)

Bone and the immune system. Gruber HE. **Proc Soc Exp Biol Med** 1991 Jul;197(3):219-25 (38 ref.)

The role of prostaglandins in bone in vivo. Norrdin RW, et al. **Prostaglandins Leukot Essent Fatty Acids** 1990 Nov; 41(3):139-49 (117 ref.)

[The biology of bones and of bone fracture healing] Pennig D. **Unfallchirurg** 1990 Nov;93(11):488-91 (29 ref.) (Eng. Abstr.) **(Ger)**

[Methods of determining the mechanical properties of bone] Iida M. **Nippon Seikeigeka Gakkai Zasshi** 1991 Apr; 65(4):240-9 (15 ref.) **(Jpn)**

RADIATION EFFECTS

Radiation and osteosynthesis. Dosimetry on an irradiation phantom. Stoll P, et al. **J Craniomaxillofac Surg** 1990 Nov; 18(8):361-6 (41 ref.)

RADIOGRAPHY

Some normal variants that may be mistaken for disease. Keats TE. **Clin Imaging** 1991 Jan-Mar;15(1):1-19 (2 ref.)

Approach to skeletal maturation. Zerin JM, et al. **Hand Clin** 1991 Feb;7(1):53-62 (38 ref.)

[Radiologic skeletal diagnosis in dialysis patients] Rieden K, et al. **Med Klin** 1990 Aug 15;85(8):488-92, 509 (30 ref.) **(Ger)**

RADIONUCLIDE IMAGING

Hypertrophic pulmonary osteoarthropathy in pulmonary metastatic disease. A case report and review of the literature. Davies RA, et al. **Clin Radiol** 1991 Apr; 43(4):268-71 (23 ref.)

Diagnostic imaging of osteomyelitis. Schauwecker DS, et al. **Infect Dis Clin North Am** 1990 Sep;4(3):441-63 (73 ref.)

Dynamic bone imaging in the differential diagnosis of skeletal lesions. Gandsman EJ, et al. **Int J Rad Appl Instrum [B]** 1990;17(6):533-41 (19 ref.)

Incidental detection of urinary tract abnormalities with skeletal scintigraphy. Gentili A, et al. **Radiographics** 1991 Jul;11(4):571-9 (21 ref.)

Nonosseous accumulation of bone-seeking radiopharmaceuticals. Gentili A, et al. **Radiographics** 1990 Sep;10(5):871-81 (21 ref.)

The principles and practice of bone scintigraphy in small animals. Lamb CR. **Semin Vet Med Surg (Small Anim)** 1991 May;6(2):140-53 (75 ref.)

SECRETION

Bone growth factors. Mohan S, et al. **Clin Orthop** 1991 Feb; (263):30-48 (181 ref.)

SURGERY

Prevention of venous thrombosis in patients undergoing major orthopaedic surgical procedures. Hirsh J. **Acta Chir Scand Suppl** 1990;556:30-5 (40 ref.)

Bone cutting. Giraud JY, et al. **Clin Phys Physiol Meas** 1991 Feb;12(1):1-19 (57 ref.)

Techniques of bone fixation in replantation surgery. Brown ML, et al. **Microsurgery** 1990;11(3):255-60 (14 ref.)

ULTRASTRUCTURE

Ultrastructural investigations of the bone and fibrous connective tissue interface with endosteal dental implants. Steflik DE, et al. **Scanning Microsc** 1990 Dec;4(4):1039-47; discussion on 1047-8 (22 ref.)

BONE CEMENTS

Adjuvant management of benign tumors; basic concepts of phenol and cement use. Rock M. **Chir Organi Mov** 1990; 75(1 Suppl):195-7 (24 ref.)

Porous-coated anatomic total knee arthroplasty. A prospective analysis comparing cemented and cementless fixation. Collins DN, et al. **Clin Orthop** 1991 Jun; (267):128-36 (34 ref.)

The case for revision arthroplasty using antibiotic-loaded acrylic cement. Steinbrink K. **Clin Orthop** 1990 Dec; (261):19-22 (14 ref.)

Advances in total hip reconstruction. Callaghan JJ, et al. **Instr Course Lect** 1991;40:115-97 (264 ref.)

Wear debris in cemented total hip arthroplasty. Huo MH, et al. **Orthopedics** 1991 Mar;14(3):335-40 (43 ref.)

BONE CYSTS

Aneurysmal bone cyst of the cuboid. Kashuk KB, et al. **J Am Podiatr Med Assoc** 1990 Nov;80(11):588-94 (30 ref.)

Atypical multiple benign osteoblastomas accompanied by simple bone cysts. A case report. Asada Y, et al. **J Craniomaxillofac Surg** 1991 May;19(4):166-71 (41 ref.)

[Aneurysmal temporal bone cyst. Apropos of 2 new cases] Pellet W, et al. **Neurochirurgie** 1991;37(3):160-72 (39 ref.) (Eng. Abstr.) **(Fre)**

CHEMISTRY

The role of lysosomes in the pathogenesis of unicameral bone cysts. Gerasimov AM, et al. **Clin Orthop** 1991 May; (266):53-63 (41 ref.)

DIAGNOSIS

[Cysts of the calcaneus, diagnosis and treatment] Södergard J, et al. **Rev Chir Orthop** 1990;76(7):502-6 (17 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[Subchondral cysts (capsulo-synovial inclusions). Apropos of 25 cases] Ucla E, et al. **Rev Chir Orthop** 1990;76(8):533-7 (9 ref.) (Eng. Abstr.) **(Fre)**

BONE DENSITY

see related

ABSORPTIOMETRY, PHOTON

Calcium absorption efficiency and calcium requirements in children and adolescents. Peacock M. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):261S-265S (40 ref.)

Evaluation of methods of bone mass measurement. Tothill P. **Basic Life Sci** 1990;55:107-16 (48 ref.)

The clinical application of serial bone mass measurements. Ross PD, et al. **Bone Miner** 1991 Mar;12(3):189-99 (32 ref.)

Radiology and imaging determinants of bone mass. Christiansen C. **Curr Opin Rheumatol** 1991 Jun;3(3):466-71 (13 ref.)

Osteoporosis. New insights from bone densitometry [see comments] Need AG, et al. **J Am Geriatr Soc** 1990 Oct; 38(10):1153-8 (64 ref.) Comment in: J Am Geriatr Soc 1990 Oct;38(10):1159-60.

The use of bone mass screening to prevent fractures. Flicker L. **Med J Aust** 1991 Jan 21;154(2):135-40 (57 ref.)

Clinical use of bone densitometry. Johnston CC Jr, et al. **N Engl J Med** 1991 Apr 18;324(16):1105-9 (46 ref.)

Biomechanics of fracture risk prediction of the hip and spine by quantitative computed tomography. Hayes WC, et al. **Radiol Clin North Am** 1991 Jan;29(1):1-18 (94 ref.)

Inherited diseases of bone density in children. Herman TE, et al. **Radiol Clin North Am** 1991 Jan;29(1):149-64 (74 ref.)

Osteoporosis. Current techniques and recent developments in quantitative bone densitometry. Lang P, et al. **Radiol Clin North Am** 1991 Jan;29(1):49-76 (138 ref.)

Metabolic bone disease. Morphometry. O'Keeffe D. **Radiol Clin North Am** 1991 Jan;29(1):165-74 (37 ref.)

[Review of cranio-maxillo-facial malformations characterized by abnormal bone density] Reychler H. **Ann Chir Plast Esthet** 1990;35(5):421-31 (84 ref.) (Eng. Abstr.) **(Fre)**

[Measurement of bone density and evaluation of risk of fracture] Pouillès JM, et al. **Rev Rhum Mal Osteoartic** 1990 Dec;57(12):889-94 (20 ref.) **(Fre)**

[The estimation of the effective dose in bone mineral measurements with photon absorptiometry and computed tomography] Kalender WA. **Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr** 1991 Aug;155(2):149-54 (29 ref.) (Eng. Abstr.) **(Ger)**

[Methods relevant to the determination of bone mineral content] Funke M, et al. **Rontgenpraxis** 1991 May; 44(5):150-5 (16 ref.) **(Ger)**

[Indications for bone-mass measurements] Liel Y, et al. **Harefuah** 1991 Mar 1;120(5):277-8 (16 ref.) **(Heb)**

DRUG EFFECTS

Calcium supplementation and bone loss: a review of controlled clinical trials. Dawson-Hughes B. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):274S-280S (66 ref.)

PHYSIOLOGY

Spectrum and natural history of congenital hyperparathyroidism secondary to maternal hypocalcemia. Loughead JL, et al. **Am J Perinatol** 1990 Oct;7(4):350-5 (28 ref.)

Bone mineral density and anorexia nervosa in women. Salisbury JJ, et al. **Am J Psychiatry** 1991 Jun;148(6):768-74 (52 ref.)

Bone mineral density levels in elite female athletes. Wolman RL. **Ann Rheum Dis** 1990 Dec;49(12):1013-6 (41 ref.)

Total body bone mineral by dual photon absorptiometry. Gotfredsen A. **Dan Med Bull** 1990 Dec;37(6):480-92 (157 ref.)

Overview of osteoporosis. Riggs BL. **West J Med** 1991 Jan; 154(1):63-77 (92 ref.)

[Changes in bone volume and mineral density during aging in humans. In vitro study on 80 subjects] Bergot C, et al. **Rev Rhum Mal Osteoartic** 1990 Nov;57(11):791-8 (36 ref.) (Eng. Abstr.) **(Fre)**

BONE-DERIVED TRANSFORMING GROWTH FACTOR
see **TRANSFORMING GROWTH FACTOR BETA**

BONE DEVELOPMENT

Effect of diet on bone matrix constituents. Roughead ZK, et al. **J Am Coll Nutr** 1991 Jun;10(3):242-6 (49 ref.)

Growth factors influencing bone development. Wozney JM, et al. **J Cell Sci Suppl** 1990;13:149-56 (22 ref.)

Inflammatory mediators and the destruction of bone. Mundy

GR. **J Periodont Res** 1991 May;26(3 (Pt 2)):213–7 (30 ref.)
[Skeletal development in the dog in relation to nutrition] Nap RC, et al. **Tijdschr Diergeneeskd** 1991 Jun 15;116(12):609–27 (29 ref.) (Eng. Abstr.) **(Dut)**

PHYSIOLOGY

Growth factors and cytokines in bone cell metabolism. Canalis E, et al. **Annu Rev Med** 1991;42:17–24 (24 ref.)
Approach to skeletal maturation. Zerin JM, et al. **Hand Clin** 1991 Feb;7(1):53–62 (38 ref.)
Mechanical loading, estrogen deficiency, and the coupling of bone formation to bone resorption [comment] Rodan GA. **J Bone Miner Res** 1991 Jun;6(6):527–30 (64 ref.) Comment on: J Bone Miner Res 1991 Jun;6(6):583–90.
Building bone and losing bone: genetics or environment? **Nutr Rev** 1991 Jun;49(6):187–9 (8 ref.)
[The importance of protein growth factors for the local regulation of bone growth] Kukoschke KG, et al. **Dtsch Med Wochenschr** 1990 Dec 14;115(50):1921–6 (61 ref.) **(Ger)**

RADIATION EFFECTS

Effects of radiation therapy on skeletal growth in childhood. Goldwein JW. **Clin Orthop** 1991 Jan;(262):101–7 (33 ref.)

BONE DISEASES

Noonan-like/multiple giant cell lesion syndrome. Cohen MM Jr, et al. **Am J Med Genet** 1991 Aug 1;40(2):159–66 (49 ref.)

CHEMICALLY INDUCED

[Retinoid-induced changes of the bones and ligaments] Zelger B, et al. **Hautarzt** 1990 Oct;41(10):537–44 (44 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

HIV- and AIDS-related musculoskeletal problems. Rowe IF. **Curr Opin Rheumatol** 1990 Aug;2(4):642–7 (20 ref.)
Dermatoses associated with sterile lytic bone lesions. Sofman MS, et al. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 1):494–8 (53 ref.)
Musculoskeletal syndromes associated with acne. Knitzer RH, et al. **Semin Arthritis Rheum** 1991 Feb;20(4):247–55 (67 ref.)

DIAGNOSIS

Gadopentetate dimeglumine-enhanced MR imaging of the musculoskeletal system. Beltran J, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):457–66 (58 ref.)
Bone protein and peptide assays in the diagnosis and management of skeletal disease. Deftos LJ. **Clin Chem** 1991 Jul;37(7):1143–8 (66 ref.)
Nonspecific findings on MR imaging. The importance of correlative studies and clinical information. Seeger LL, et al. **Clin Orthop** 1991 Sep;(270):306–12 (10 ref.)
Imaging of the skeleton and soft tissue in children [published erratum appears in Curr Opin Radiol 1991 Feb;3(1):114] Oestreich AE. **Curr Opin Radiol** 1990 Dec;2(6):870–6 (37 ref.)
Miscellaneous reports of interest in musculoskeletal radiology. Pope TL Jr. **Curr Opin Radiol** 1990 Oct;2(5):711–6 (32 ref.)
Magnetic resonance imaging in orthopaedics. Watt I. **J Bone Joint Surg [Br]** 1991 Jul;73(4):539–50 (62 ref.)
Thermography--its current diagnostic status in musculoskeletal medicine. Awerbuch MS. **Med J Aust** 1991 Apr 1;154(7):441–4 (39 ref.)
Diagnostic imaging of musculoskeletal infection. Roentgenography; gallium, indium-labeled white blood cell, gammaglobulin, bone scintigraphy; and MRI. Wegener WA, et al. **Orthop Clin North Am** 1991 Jul;22(3):401–18 (84 ref.)
The limping child. MacEwen GD, et al. **Pediatr Rev** 1991 Mar;12(9):268–74 (0 ref.)
Pediatric musculoskeletal MR imaging. Moore SG, et al. **Radiology** 1991 May;179(2):345–60 (96 ref.)
[Magnetic resonance imaging of the osteoarticular and muscular system] Ginalski JM, et al. **Rev Med Suisse Romande** 1991 Apr;111(4):323–30 (45 ref.) **(Fre)**
[Eosinophilic granuloma of clavicular and subcutaneous localization. Report of a case] Gabaudan P, et al. **Rev Rhum Mal Osteoartic** 1990 Dec;57(12):899–900 (8 ref.) **(Fre)**
[Erdheim-Chester disease] Kujat C, et al. **Radiologe** 1991 Jun;31(6):297–306 (31 ref.) (Eng. Abstr.) **(Ger)**
[Torsional changes in the lower limbs in childhood] Guzzanti V, et al. **Arch Putti Chir Organi Mov** 1990;38(1):69–88 (29 ref.) (Eng. Abstr.) **(Ita)**
[Bone and joint involvement in systemic amyloidosis] Nakazawa R. **Nippon Rinsho** 1991 Apr;49(4):886–91 (20 ref.) **(Jpn)**

DRUG THERAPY

The pharmacological control of musculoskeletal pain. Kantor TG. **Can J Physiol Pharmacol** 1991 May;69(5):713–8 (36 ref.)
Tolerability and safety of clodronate therapy in bone diseases. Mian M, et al. **Int J Clin Pharmacol Res** 1991;11(2):107–14 (126 ref.)
[First experience in Hungary with the use of a garamycin sponge in the treatment of suppurative bone and joint wounds] Boda A, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1991;34(2):133–40 (20 ref.) (Eng. Abstr.) **(Hun)**

ENZYMOLOGY

[Diagnostic value of alkaline phosphatase isoenzymes] Nemesánszky E, et al. **Orv Hetil** 1991 Aug 11;132(32):1739–44, 1747 (55 ref.) (Eng. Abstr.) **(Hun)**

EPIDEMIOLOGY

Epidemiology in bone and joint infection. Gillespie WJ. **Infect Dis Clin North Am** 1990 Sep;4(3):361–76 (61 ref.)
[Assessment of musculoskeletal disorders using a questionnaire] Läubli T, et al. **Soz Praventivmed** 1991;36(1):25–33 (42 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Alcohol and bone disease. Rico H. **Alcohol Alcohol** 1990;25(4):345–52 (100 ref.)
Upper-extremity musculoskeletal disorders of occupational origin. Gerr F, et al. **Annu Rev Public Health** 1991;12:543–66 (91 ref.)
Musculoskeletal manifestations of infectious disease in children. Miller LC. **Curr Opin Rheumatol** 1990 Oct;2(5):817–23 (29 ref.)
Miscellaneous conditions associated with musculoskeletal complaints in children. Prieur AM. **Curr Opin Rheumatol** 1990 Oct;2(5):824–31 (26 ref.)
Bone crisis in Gaucher disease--an update. Yosipovitch Z, et al. **Isr J Med Sci** 1990 Oct;26(10):593–5 (17 ref.)
Musculoskeletal infections in immunocompromised hosts. Brennan PJ, et al. **Orthop Clin North Am** 1991 Jul;22(3):389–99 (70 ref.)
Dialysis arthropathy, amyloidosis and beta-2 microglobulin. Cameron JS. **Pediatr Nephrol** 1987 Apr;1(2):224–9 (75 ref.)
Orthopaedic manifestations of sickle-cell disease. Huo MH, et al. **Yale J Biol Med** 1990 May-Jun;63(3):195–207 (63 ref.)
[Symptoms and injuries of the locomotor system in dancers] Kap A, et al. **Ned Tijdschr Geneeskd** 1990 Sep 15;134(37):1782–6 (23 ref.) **(Dut)**
[Osteoarticular amyloidosis in hemodialyzed patients. Report of 4 cases] Moalla M, et al. **J Radiol** 1990 Aug-Sep;71(8–9):467–72 (24 ref.) (Eng. Abstr.) **(Fre)**
[Course of bone lesions of leprosic feet towards dislocation of the tarsus and metatarsus] Carayon A, et al. **Rev Chir Orthop** 1990;76(8):579–82 (11 ref.) (Eng. Abstr.) **(Fre)**
[Hyperlipidemia and osteoarticular manifestations] Goupille P, et al. **Rev Med Interne** 1991 Mar-Apr;12(2):146–52 (68 ref.) (Eng. Abstr.) **(Fre)**
[Sternal site of sarcoidosis] Kheiralla JC, et al. **Rev Med Interne** 1990 May-Jun;11(3):229–30 (6 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Percutaneous skeletal biopsy. Carrasco CH, et al. **Cardiovasc Intervent Radiol** 1991 Jan-Feb;14(1):69–72 (35 ref.)
[Techniques and principles of histological diagnosis in osteopathies. Review and report of personal experience] Povýšil C. **Cesk Patol** 1990 Aug;26(3):179–89 (12 ref.) (Eng. Abstr.) **(Cze)**

PHYSIOPATHOLOGY

The pain-adaptation model: a discussion of the relationship between chronic musculoskeletal pain and motor activity. Lund JP, et al. **Can J Physiol Pharmacol** 1991 May;69(5):683–94 (120 ref.)

RADIOGRAPHY

Some normal variants that may be mistaken for disease. Keats TE. **Clin Imaging** 1991 Jan-Mar;15(1):1–19 (2 ref.)

RADIONUCLIDE IMAGING

Dynamic bone imaging in the differential diagnosis of skeletal lesions. Gandsman EJ, et al. **Int J Rad Appl Instrum [B]** 1990;17(6):533–41 (19 ref.)

SURGERY

["Sound" surgical concepts and problematic indications in orthopedics] Mau H. **Z Orthop** 1991 Mar-Apr;129(2):141–5 (6 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Electrical stimulation of peripheral and central pathways for the relief of musculoskeletal pain. Bushnell MC, et al. **Can J Physiol Pharmacol** 1991 May;69(5):697–703 (42 ref.)

VETERINARY

The principles and practice of bone scintigraphy in small animals. Lamb CR. **Semin Vet Med Surg (Small Anim)** 1991 May;6(2):140–53 (75 ref.)

BONE DISEASES, DEVELOPMENTAL

[Recent topics in the skeletal dysplasias] Nakamura K. **Nippon Seikeigeka Gakkai Zasshi** 1991 Apr;65(4):250–60 (25 ref.) **(Jpn)**

COMPLICATIONS

Osteomyelitis of the mandible in a patient with dysosteosclerosis. Report of a case. Packota GV, et al. **Oral Surg Oral Med Oral Pathol** 1991 Feb;71(2):144–7 (10 ref.)
[Clinical and genetic heterogeneity in Robinow's syndrome. Report of a new case and review of the literature I] Oliván Gonzalvo G, et al. **An Esp Pediatr** 1990 Jul;33(1):76–81 (31 ref.) **(Spa)**

CONGENITAL

Congenital dysplasias and dwarfism. Clark RN. **Pediatr Rev** 1990 Nov;12(5):149–59 (8 ref.)

DIAGNOSIS

Proximal femoral focal deficiency: evaluation and management. Bryant DD 3d, et al. **Orthopedics** 1991 Jul;14(7):775–84 (91 ref.)
[Review of cranio-maxillo-facial malformations characterized by abnormal bone density] Reychler H. **Ann Chir Plast Esthet** 1990;35(5):421–31 (84 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

[Bone anomalies in Gunther's disease] Audran M, et al. **Rev Rhum Mal Osteoartic** 1990 Dec;57(12):885–8 (13 ref.) **(Fre)**

GENETICS

The Weismann-Netter syndrome: a cause of bowed legs in childhood. Francis GL, et al. **Pediatrics** 1991 Aug;88(2):334–7 (10 ref.)

PATHOLOGY

Collagen disorders and skeletal dysplasias. Bonaventure J, et al. **Curr Opin Rheumatol** 1990 Feb;2(1):38–43 (24 ref.)

PHYSIOPATHOLOGY

Pelvic obliquity: a review. Dubousset J. **Orthopedics** 1991 Apr;14(4):479–81 (0 ref.)

SURGERY

[Mesomelic dysplasia: presentation of a case and literature of Werner's syndrome] Hesselschwerdt HJ, et al. **Z Orthop** 1990 Sep-Oct;128(5):466–72 (28 ref.) (Eng. Abstr.) **(Ger)**

ULTRASONOGRAPHY

Fetal imaging in the skeletal dysplasias. Lachman RS, et al. **Clin Perinatol** 1990 Sep;17(3):703–22 (29 ref.)

BONE DISEASES, METABOLIC

COMPLICATIONS

Metabolic bone disease associated with systemic disorders. Cormier C. **Curr Opin Rheumatol** 1991 Jun;3(3):463–5 (19 ref.)

DRUG THERAPY

[Possibilities of diphosphonates in the therapy of bone diseases] Bonjour JP, et al. **Rev Med Suisse Romande** 1990 Aug;110(8):691–4 (26 ref.) **(Fre)**
[Physiopathology and therapy of localized osteopenia] Montagnani M, et al. **Minerva Med** 1991 Jan-Feb;82(1–2):1–8 (61 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Amenorrhea, osteopenia, and the female athlete. White CM, et al. **Pediatr Clin North Am** 1990 Oct;37(5):1125–41 (104 ref.)
[Calcipenic osteopathy in transfusion hemosiderosis and idiopathic hemochromatosis] Czink E, et al. **Orv Hetil** 1991 Jun 2;132(22):1187–92 (42 ref.) (Eng. Abstr.) **(Hun)**

METABOLISM

[Metabolic osteopathies in childhood] Kruse K. **Internist (Berl)** 1990 Dec;31(12):745–55 (27 ref.) **(Ger)**

PATHOLOGY

Mandibular atrophy and metabolic bone loss. Bras J. **Int Dent J** 1990 Oct;40(5):298–302 (26 ref.)
The pathology of metabolic bone disease. Rosenberg AE. **Radiol Clin North Am** 1991 Jan;29(1):19–36 (42 ref.)
[The pathomorphology of metabolic osteopathies--the information potentials of iliac crest biopsies, the pathophysiology and the latest ideas on the structure of the spongiosa] Delling G, et al. **Internist (Berl)** 1990 Dec;31(12):737–44 (18 ref.) **(Ger)**

PHYSIOPATHOLOGY

In vivo models in the study of osteopenias. Cešnjaj M, et al. **Eur J Clin Chem Clin Biochem** 1991 Apr;29(4):211–9 (128 ref.)

[Physiopathology and therapy of localized osteopenia] Montagnani M, et al. **Minerva Med** 1991 Jan–Feb; 82(1–2):1–8 (61 ref.) (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Radiologic study of endosteal, intracortical, and periosteal surfaces of hand bones in metabolic bone diseases. Meema HE. **Hand Clin** 1991 Feb;7(1):37–51 (50 ref.)

Radiologic manifestations in the musculoskeletal system of miscellaneous endocrine disorders. Chew FS. **Radiol Clin North Am** 1991 Jan;29(1):135–47 (38 ref.)

Skeletal manifestations of ectopic or inappropriate endocrine and metabolic syndromes. Feldman F. **Radiol Clin North Am** 1991 Jan;29(1):119–34 (54 ref.)

Inherited diseases of bone density in children. Herman TE, et al. **Radiol Clin North Am** 1991 Jan;29(1):149–64 (74 ref.)

Radiographic appearance of osteopenia. Mayo-Smith W, et al. **Radiol Clin North Am** 1991 Jan;29(1):37–47 (37 ref.)

[Radiologic study of osteopenic syndromes. Between tradition and innovation] Cammisa M, et al. **Radiol Med (Torino)** 1990 Jul–Aug;80(1–2):1–8 (10 ref.) **(Ita)**

BONE DYSPLASIAS see **BONE DISEASES, DEVELOPMENTAL**

BONE GLA PROTEIN see **OSTEOCALCIN**

BONE HYPERTROPHY see **HYPEROSTOSIS**

BONE LENGTHENING

Surgery in the musculoskeletal system, including endoprosthesis and internal fixation. Pavlov H. **Curr Opin Radiol** 1990 Oct;2(5):703–10 (28 ref.)

[Arm lengthening in children. Report of 4 cases] Prevot J, et al. **Chirurgie** 1990;116(2):184–9 (14 ref.) (Eng. Abstr.) **(Fre)**

[Distraction efforts in lengthening of the lower limbs (review of the literature)] Popkov AV. **Ortop Travmatol Protez** 1990 Oct;(10):69–73 (32 ref.) **(Rus)**

INSTRUMENTATION

The present attitude toward the biology and technology of limb lengthening. Coleman SS, et al. **Clin Orthop** 1991 Mar; (264):76–83 (18 ref.)

[Bone lengthening in congenital malformations of the lower limbs] Conejero Casares JA, et al. **An Esp Pediatr** 1991 Apr;34(4):293–8 (42 ref.) (Eng. Abstr.) **(Spa)**

METHODS

Bridging bone gaps with the Ilizarov technique. Biologic principles. Alonso JE, et al. **Clin Plast Surg** 1991 Jul; 18(3):497–504 (29 ref.)

Osteomyelitis. The Ilizarov perspective. Green SA. **Orthop Clin North Am** 1991 Jul;22(3):515–21 (24 ref.)

[Spongiosa-plasty and transport corticotomy—an alternative or supplementary procedure?] Brutscher R, et al. **Chirurg** 1991 May;62(5):388–93 (15 ref.) **(Ger)**

[Leg lengthening—historical review and current techniques] Tjernström B, et al. **Lakartidningen** 1990 Aug 29; 87(35):2663–7 (15 ref.) (Eng. Abstr.) **(Swe)**

BONE LOSS, AGE-RELATED see **OSTEOPOROSIS**

BONE LOSS, OSTEOCLASTIC see **BONE RESORPTION**

BONE LOSS, PERIMENOPAUSAL see **OSTEOPOROSIS, POSTMENOPAUSAL**

BONE LOSS, PERIODONTAL see **ALVEOLAR BONE LOSS**

BONE LOSS, POSTMENOPAUSAL see **OSTEOPOROSIS, POSTMENOPAUSAL**

BONE MARROW

Breast cancer micrometastases in lymph nodes and bone marrow are prognostically important. Neville AM. **Ann Oncol** 1991 Jan;2(1):13–4 (23 ref.)

[Cryopreservation of bone marrow] Lamana ML, et al. **Sangre (Barc)** 1990 Dec;35(6):451–7 (44 ref.) **(Spa)**

ANATOMY & HISTOLOGY

[Magnetic resonance of the bone marrow] Pozzi-Mucelli R, et al. **Radiol Med (Torino)** 1990 Oct;80(4):409–23 (62 ref.) (Eng. Abstr.) **(Ita)**

CYTOLOGY

The value of long-term bone marrow cultures for the establishment of purging methods in bone marrow transplantation. Schulze E. **Acta Histochem Suppl** 1990; 39:489–95 (32 ref.)

Control of proliferation by myeloid growth factors. Vallance SJ, et al. **Biochem Soc Trans** 1991 Apr;19(2):307–15 (126 ref.)

The transforming growth factor-beta in the regulation of normal and leukemic myelopoiesis. Pinto A, et al. **Biotherapy** 1990;2(4):385–98 (65 ref.)

Engraftment of T-cell-depleted bone marrow in murine models for allogeneic bone marrow transplantation. Reisner Y. **Cancer Treat Res** 1990;50:9–25 (44 ref.)

The hematopoietic microenvironment. Greenberger JS. **Crit Rev Oncol Hematol** 1991;11(1):65–84 (232 ref.)

The biology of long-term bone marrow cultures and its application to bone marrow transplantation. Testa NG, et al. **Curr Opin Oncol** 1991 Apr;3(2):272–8 (36 ref.)

The architecture of bone marrow cell populations. Lord BI. **Int J Cell Cloning** 1990 Sep;8(5):317–31 (57 ref.)

The construction of high efficiency human bone marrow tissue ex vivo. Emerson SG, et al. **J Cell Biochem** 1991 Mar;45(3):268–72 (35 ref.)

Long-term marrow cultures: human and murine systems. Quesenberry P, et al. **J Cell Biochem** 1991 Mar;45(3):273–8 (44 ref.)

Studies on bone marrow cells in experimental animals: bone marrow testing in the safety study. Matsumoto K. **Jikken Dobutsu** 1991 Jan;40(1):17–26 (45 ref.)

Regulation of primitive human hematopoietic cells in long-term marrow culture. Eaves CJ, et al. **Semin Hematol** 1991 Apr;28(2):126–31 (18 ref.)

Culture of hematopoietic stem cells purified from murine bone marrow. Visser JW, et al. **Semin Hematol** 1991 Apr; 28(2):117–25 (48 ref.)

New stains for blood and bone marrow cells. Kass L. **Stain Technol** 1990;65(5):211–30 (101 ref.)

[Development, structure and maturation of megakaryocytes. I.] Podolak-Dawidziak M. **Pol Arch Med Wewn** 1991 Feb; 85(2):128–33 (39 ref.) **(Pol)**

[Osteogenic stem cells of the bone marrow] Fridenshtein AIa. **Ontogenez** 1991 Mar–Apr;22(2):189–97 (23 ref.) (Eng. Abstr.) **(Rus)**

[Hematopoietic microenvironment: cellular and extracellular matrix elements] Minguell JJ, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):177–82 (35 ref.) (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

The role of hepatic metabolites of benzene in bone marrow peroxidase-mediated myelo- and genotoxicity. Kalf G, et al. **Adv Exp Med Biol** 1991;283:443–55 (34 ref.)

Physiopathological and physicochemical considerations in targeting of colloids and drug carriers to the bone marrow. Moghimi SM, et al. **Crit Rev Ther Drug Carrier Syst** 1990; 7(3):187–209 (128 ref.)

Autologous bone marrow transplantation with 4-hydroperoxycyclophosphamide-purged marrow for acute lymphoblastic leukemia. Gonzales-Chambers R, et al. **Med Pediatr Oncol** 1991;19(3):160–4 (33 ref.)

METABOLISM

Cell cycle analysis of normal and malignant lymphoid cells. Campana D, et al. **Turk J Pediatr** 1990 Apr–Jun; 32(2):135–41 (41 ref.)

MICROBIOLOGY

Virus dissemination via the lymphomyeloid complex. Yoffey JM. **Lymphology** 1990 Jun;23(2):60–3 (18 ref.)

PARASITOLOGY

[Visceral leishmaniasis. Personal observation and review of epidemiology, clinical aspects and therapy] Dickerhoff R, et al. **Klin Padiatr** 1990 Sep–Oct;202(5):347–51 (16 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Immunomagnetic purging of bone marrow: a model for negative cell selection. Pole JG, et al. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):257–61 (15 ref.)

Ex vivo chemopurging of autologous bone marrow with 4-hydroperoxycyclophosphamide to eliminate occult leukemic cells. Laboratory and clinical observations. Yeager AM, et al. **Am J Pediatr Hematol Oncol** 1990 Fall; 12(3):245–56 (45 ref.)

Clonal remissions in acute nonlymphocytic leukemia: evidence for a multistep pathogenesis of the malignancy. Fialkow PJ, et al. **Blood** 1991 Apr 1;77(7):1415–7 (15 ref.)

Functional immunocytopathology and the diagnosis of bone marrow micrometastases. Neville AM. **Cytopathology** 1990; 1(4):223–31 (35 ref.)

Prognostic significance of neoplastic cell proliferation parameters in human haematological malignancies. Kotelnikov VM. **Folia Haematol (Leipz)** 1990;117(3):391–7 (46 ref.)

Bone marrow trephine interpretation: diagnostic utility and potential pitfalls. De Wolf-Peeters C. **Histopathology** 1991 Jun;18(6):489–93 (54 ref.)

Abnormal localization of immature precursors (ALIP) in the bone marrow of myelodysplastic syndromes: current state of knowledge and future directions. Mangi MH, et al. **Leuk Res** 1991;15(7):627–39 (87 ref.)

Detection, characterization and tumorigenicity of disseminated tumor cells in human bone marrow. Schlimok G, et al. **Semin Cancer Biol** 1990 Jun;1(3):207–15 (67 ref.)

Megakaryocytopoiesis in haematological disorders: diagnostic features of bone marrow biopsies. An overview. Thiele J, et al. **Virchows Arch [A]** 1991;418(2):87–97 (113 ref.)

[Bone marrow examination in the horse] Tschudi P. **Tierarztl Prax** 1990 Dec;18(6):619–22 (19 ref.) (Eng. Abstr.) **(Ger)**

[Clonality and stem cell defects in the molecular pathology of chronic myeloproliferative disorders] Kreipe H, et al. **Verh Dtsch Ges Pathol** 1990;74:49–64 (55 ref.) (Eng. Abstr.) **(Ger)**

[Magnetic resonance of the bone marrow] Pozzi-Mucelli R, et al. **Radiol Med (Torino)** 1990 Oct;80(4):409–23 (62 ref.) (Eng. Abstr.) **(Ita)**

[Clinical study on heterogeneity of chronic myelomonocytic leukemia] Kurata H, et al. **Rinsho Ketsueki** 1990 Dec; 31(12):1906–13 (21 ref.) (Eng. Abstr.) **(Jpn)**

[Megakaryocytopoiesis in different blood diseases. II.] Podolak-Dawidziak M. **Pol Arch Med Wewn** 1991 Feb; 85(2):134–8 (39 ref.) **(Pol)**

[Colony stimulating factor (CSF)—various aspects of its therapeutic use] Zdończyk A. **Pol Arch Med Wewn** 1990 Jul;84(1):44–53 (36 ref.) **(Pol)**

PHYSIOLOGY

Suppression of bone marrow stromal cell function. Billips LG, et al. **Ann N Y Acad Sci** 1991;628:313–22 (55 ref.)

Gene transfer into murine hematopoietic stem cells and bone marrow stromal cells. Luskey BD, et al. **Ann N Y Acad Sci** 1990;612:398–406 (36 ref.)

Cartilage begets bone versus endochondral myelopoiesis. Caplan AI. **Clin Orthop** 1990 Dec;(261):257–67 (27 ref.)

The biochemistry and biology of the myeloid haemopoietic cell growth factors. Heyworth CM, et al. **J Cell Sci Suppl** 1990;13:57–74 (89 ref.)

The function of adipocytes in the bone marrow stroma. Gimble JM. **New Biol** 1990 Apr;2(4):304–12 (104 ref.)

[Proliferation and differentiation in megakaryopoiesis] Kanz L, et al. **Verh Dtsch Ges Pathol** 1990;74:28–35 (36 ref.) (Eng. Abstr.) **(Ger)**

[Function and pathology of bone marrow stromal cells] Müller-Hermelink HK, et al. **Verh Dtsch Ges Pathol** 1990; 74:93–105 (56 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Future strategies in the control of myelosuppression: the use of colony-stimulating factors. Haeuber D. **Oncol Nurs Forum** 1991 Mar;18(2 Suppl):16–21 (19 ref.)

Current strategies for managing myelosuppression in patients with cancer. Rostad ME. **Oncol Nurs Forum** 1991 Mar;18(2 Suppl):7–15 (27 ref.)

Bone marrow dysfunction in irradiated, cytomegalovirus-infected mice. Reddehase MJ. **Transplant Proc** 1991 Jun;23(3 Suppl 3):10–1, discussion 11 (8 ref.)

RADIATION EFFECTS

Interactions in recovery and in residual injury from sequential treatments of mouse haemopoietic and stromal marrow cell populations, using X-rays, cyclophosphamide and busulphan. Qi DY, et al. **Radiother Oncol** 1991 Jan; 20(1):46–52 (33 ref.)

RADIONUCLIDE IMAGING

Recent advances in bone marrow scanning. Reske SN. **Eur J Nucl Med** 1991;18(3):203–21 (109 ref.)

SURGERY

Juridical and liability reflexes of bone marrow processing. Flores A. **Haematologica** 1991 Mar;76 Suppl 1:50–1 (11 ref.)

BONE MARROW DISEASES

CHEMICALLY INDUCED

Chloramphenicol toxicity: 25 years of research. Yunis AA. **Am J Med** 1989 Sep;87(3N):44N–48N (55 ref.)

DIAGNOSIS

Pediatric musculoskeletal MR imaging. Moore SG, et al. **Radiology** 1991 May;179(2):345–60 (96 ref.)

[Magnetic resonance of the bone marrow] Pozzi-Mucelli R, et al. **Radiol Med (Torino)** 1990 Oct;80(4):409–23 (62 ref.) (Eng. Abstr.) **(Ita)**

GENETICS

A new familial immunodeficiency disorder characterized by severe neutropenia, a defective marrow release mechanism, and hypogammaglobulinemia. Wetzler M, et al. **Am J Med** 1990 Nov;89(5):663–72 (38 ref.)

RADIONUCLIDE IMAGING

Recent advances in bone marrow scanning. Reske SN. **Eur J Nucl Med** 1991;18(3):203–21 (109 ref.)

SURGERY

Autologous bone marrow transplantation in pediatric solid tumors: phase II studies. Hartmann O, et al.

Bone Marrow Transplant 1991;7 Suppl 3:106–8 (18 ref.)

THERAPY

Clinical applications of myeloid colony stimulating factors. Steward WP, et al. **Cancer Treat Rev** 1990 Mar;17(1):77–87 (50 ref.)

Development of myelorestorative and immunotherapeutic properties of cytokines. Talmadge JE, et al. **Prog Clin Biol Res** 1990;354A:271–85 (34 ref.)

BONE MARROW EXAMINATION

METHODS

Functional immunocytopathology and the diagnosis of bone marrow micrometastases. Neville AM. **Cytopathology** 1990; 1(4):223–31 (35 ref.)

Bone marrow trephine interpretation: diagnostic utility and potential pitfalls. De Wolf-Peeters C. **Histopathology** 1991 Jun;18(6):489–93 (54 ref.)

VETERINARY

Studies on bone marrow cells in experimental animals: bone marrow testing in the safety study. Matsumoto K. **Jikken Dobutsu** 1991 Jan;40(1):17–26 (45 ref.)

[Bone marrow examination in the horse] Tschudi P. **Tierarztl Prax** 1990 Dec;18(6):619–22 (19 ref.) (Eng. Abstr.) **(Ger)**

BONE MARROW FIBROSIS see **MYELOFIBROSIS**

BONE MARROW TRANSPLANTATION

The biology of bone marrow transplantation for severe combined immune deficiency. Parkman R. **Adv Immunol** 1991;49:381–410 (138 ref.)

Autologous bone marrow transplantation in hematological malignancies. Gorin NC. **Am J Clin Oncol** 1991;14 Suppl 1:S5–14 (18 ref.)

Granulocytic sarcoma of the ileum treated by bone marrow transplantation. Kowal-Vern A, et al. **Am J Pediatr Hematol Oncol** 1991 Spring;13(1):34–8 (17 ref.)

The role of the laboratory in marrow manipulation. Lasky LC. **Arch Pathol Lab Med** 1991 Mar;115(3):293–8 (63 ref.)

Bone marrow transplantation for chronic lymphocytic leukemia. Bandini G, et al. **Bone Marrow Transplant** 1991 Apr;7(4):251–3 (17 ref.)

Bone marrow transplantation in multiple myeloma. Barlogie B, et al. **Bone Marrow Transplant** 1991 Feb;7(2):71–9 (57 ref.)

The world experience with unrelated donor transplants. Beatty PG. **Bone Marrow Transplant** 1991;7 Suppl 1:54–8 (15 ref.)

The role of the blood bank in bone marrow transplantation. Franchini E, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:57–60 (3 ref.)

Autotransplants: now and in the future. Gale RP, et al. **Bone Marrow Transplant** 1991 Feb;7(2):153–7 (19 ref.)

New approach of treatment of severe aplastic anemia. Cooperative Group on the Treatment of Aplastic Anemia. Gluckman E, et al. **Bone Marrow Transplant** 1991;7 Suppl 2:106–7 (14 ref.)

Detection and significance of minimal residual disease in patients with leukaemia and lymphoma. Goldman JM, et al. **Bone Marrow Transplant** 1991;7 Suppl 1:66–9 (32 ref.)

Bone marrow transplantation for chronic myeloid leukaemia. Goldman JM. **Bone Marrow Transplant** 1991;7 Suppl 2:62–3 (7 ref.)

Bone marrow transplantation for severe aplastic anaemia: cost/benefit of increased immunosuppression. Gordon-Smith EC. **Bone Marrow Transplant** 1991;7 Suppl 2:103–5 (17 ref.)

How to avoid bias when comparing bone marrow transplantation with chemotherapy. Gray R, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:9–12 (0 ref.)

Did BMT change the clinical course of neuroblastoma? Lanino E, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:114–7 (20 ref.)

Bone marrow transplantation for the treatment of immune deficiency states. Lenarsky C, et al. **Bone Marrow Transplant** 1990 Dec;6(6):361–9 (60 ref.)

The rationale of autologous bone marrow transplantation. Mandelli F, et al. **Bone Marrow Transplant** 1991;7 Suppl 2:66–7 (14 ref.)

Allogeneic bone marrow transplantation in children with acute leukemia: TBI is it necessary? Miniero R. **Bone Marrow Transplant** 1991;7 Suppl 3:37–40 (14 ref.)

The use of recombinant human granulocyte macrophage colony-stimulating factor in autologous bone marrow transplantation. Nemunaitis JJ, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:24–7 (13 ref.)

The role of high dose therapy and autologous bone marrow transplant in children with malignancies. Philip T. **Bone Marrow Transplant** 1991;7 Suppl 3:104–5 (0 ref.)

How do BMTs cure leukaemia? New directions. Prentice HG. **Bone Marrow Transplant** 1991;7 Suppl 2:11–3 (29 ref.)

Autotransplants in acute leukaemia. Gale RP, et al. **Br J Haematol** 1991 May;78(1):135–7 (21 ref.)

Severe aplastic anaemia: the patient without a HLA-identical sibling. Hows JM. **Br J Haematol** 1991 Jan;77(1):1–4 (26 ref.)

High-dose etoposide and marrow transplantation. Herzig RH. **Cancer** 1991 Jan 1;67(1 Suppl):292–8 (37 ref.)

The role of colony-stimulating factors in bone marrow transplantation. Sheridan WP. **Cancer Invest** 1991; 9(2):221–8 (76 ref.)

Bone marrow transplantation for acute nonlymphocytic leukemia (ANL). Appelbaum FR. **Cancer Treat Res** 1990; 50:201–22 (88 ref.)

Role of bone marrow transplantation as treatment for victims of nuclear accidents. Champlin R. **Cancer Treat Res** 1990; 50:299–306 (44 ref.)

T-cell depletion for bone marrow transplantation: effects on graft rejection, graft-versus-host disease, graft-versus-leukemia, and survival. Champlin RE. **Cancer Treat Res** 1990;50:99–111 (81 ref.)

Bone marrow transplantation for aplastic anemia: recent advances and comparisons with alternative therapies. Champlin RE. **Cancer Treat Res** 1990;50:185–99 (72 ref.)

Bone marrow transplantation: introduction and overview. Champlin RE. **Cancer Treat Res** 1990;50:1–7 (25 ref.)

Bone marrow transplantation in acute lymphoblastic leukemia. Gale RP, et al. **Cancer Treat Res** 1990;50:223–33 (49 ref.)

Bone marrow transplantation for immunodeficiency and genetic diseases. Lenarsky C, et al. **Cancer Treat Res** 1990; 50:167–84 (82 ref.)

Therapy of chronic myelogenous leukemia with bone marrow transplantation. McGlave PB. **Cancer Treat Res** 1990;50:235–58 (157 ref.)

Bone marrow transplantation for solid tumors in pediatrics. Moss TJ. **Cancer Treat Res** 1990;50:279–98 (91 ref.)

Therapeutic use of hematopoietic growth factors in bone marrow transplantation. Nimer SD, et al. **Cancer Treat Res** 1990;50:141–64 (216 ref.)

High-dose chemotherapy of small-cell lung cancer with and without bone marrow transplantation. Sculier JP, et al. **Cancer Treat Res** 1989;45:259–74 (51 ref.)

Chronic graft-versus-host disease. Sullivan KM. **Cancer Treat Res** 1990;50:79–98 (112 ref.)

Immunotoxins for ex vivo bone marrow purging in human bone marrow transplantation. Vallera DA. **Cancer Treat Res** 1988;37:515–35 (82 ref.)

Acute graft-versus-host disease. Vogelsang GB. **Cancer Treat Res** 1990;50:55–77 (110 ref.)

Bone marrow transplantation for Hodgkin's disease, non-Hodgkin's lymphoma and multiple myeloma. Vose JM, et al. **Cancer Treat Res** 1990;50:259–78 (80 ref.)

Cytomegalovirus infection and interstitial pneumonia after bone marrow transplantation. Winston DJ, et al. **Cancer Treat Res** 1990;50:113–28 (73 ref.)

Autoimmune diabetes in the nonobese diabetic mouse: suppression of immune defects by bone marrow transplantation and implications for therapy. Leiter EH, et al. **Clin Immunol Immunopathol** 1991 Jun;59(3):323–34 (36 ref.)

Current status of allogeneic bone marrow transplantation. Horowitz MM, et al. **Clin Transpl** 1990;:41–52 (21 ref.)

Marrow transplantation in the treatment of patients with lymphoma. Appelbaum FR. **Curr Opin Oncol** 1989 Oct; 1(1):47–54 (22 ref.)

Bone marrow transplantation in the treatment of lymphoma. Armitage JO. **Curr Opin Oncol** 1990 Oct;2(5):843–8 (28 ref.)

Biotherapy after marrow transplantation and the use of hematopoietic growth factors. Bianco JA, et al. **Curr Opin Oncol** 1990 Apr;2(2):289–96 (19 ref.)

Bone marrow transplantation for chronic myelogenous leukemia. Champlin R. **Curr Opin Oncol** 1990 Apr; 2(2):258–62 (22 ref.)

Autologous bone marrow transplantation in solid tumors. Goldstone AH. **Curr Opin Oncol** 1990 Apr;2(2):269–76 (20 ref.)

Autologous bone marrow transplantation in hematologic malignancies. Jones RJ. **Curr Opin Oncol** 1991 Apr; 3(2):234–7 (23 ref.)

Bone marrow transplantation in hemopoietic malignancies. Messner HA. **Curr Opin Oncol** 1991 Apr;3(2):245–53 (89 ref.)

Autologous bone marrow transplantation in solid tumors. Spitzer G. **Curr Opin Oncol** 1991 Apr;3(2):238–44 (28 ref.)

Allogeneic marrow transplantation in the acute leukemias. Storb R. **Curr Opin Oncol** 1990 Apr;2(2):250–7 (46 ref.)

The biology of long-term bone marrow cultures and its application to bone marrow transplantation. Testa NG, et al. **Curr Opin Oncol** 1991 Apr;3(2):272–8 (36 ref.)

Autologous bone marrow transplantation. Gulati SC, et al. **Curr Probl Cancer** 1991 Jan-Feb;15(1):1–57 (176 ref.)

Role of high-dose chemotherapy and autologous bone marrow transplantation in the treatment of lymphoma. Philip T, et al. **Eur J Cancer** 1991;27(3):320–2 (7 ref.)

Autologous bone marrow transplantation for non-Hodgkin's lymphoma. McMillan AK, et al. **Eur J Haematol** 1991 Mar; 46(3):129–35 (32 ref.)

Juridical and liability reflexes of bone marrow processing. Flores A. **Haematologica** 1991 Mar;76 Suppl 1:50–1 (11 ref.)

Role of bone marrow transplantation in childhood lymphoblastic leukemia. Johnson FL. **Hematol Oncol Clin North Am** 1990 Oct;4(5):997–1008 (36 ref.)

Application of the polymerase chain reaction for detection of minimal residual disease of hematologic malignancies. Roth MS, et al. **Henry Ford Hosp Med J** 1991;39(2):112–6 (38 ref.)

High-dose chemotherapy and autologous bone marrow support for breast cancer. Peters WP. **Important Adv Oncol** 1991;:135–50 (77 ref.)

The role of marrow grafts in irradiation accidents. Thomas ED. **Int J Radiat Oncol Biol Phys** 1990 Nov;19(5):1289–90 (12 ref.)

Displacement bone marrow transplantation for some inborn errors. Hobbs JR. **J Inherited Metab Dis** 1990;13(4):572–96 (52 ref.)

What is the value of autologous bone marrow transplantation in the treatment of relapsed or resistant Hodgkin's disease? McMillan A, et al. **Leuk Res** 1991;15(4):237–43 (29 ref.)

Clinical value of PCR in diagnosis and follow-up of leukaemia and lymphoma: report of the third Workshop of the Molecular Biology/BMT study group. Hughes TP, et al. **Leukemia** 1991 Jun;5(6):448–51 (28 ref.)

Autologous bone marrow transplantation with 4-hydroperoxycyclophosphamide-purged marrow for acute lymphoblastic leukemia. Gonzales-Chambers R, et al. **Med Pediatr Oncol** 1991;19(3):160–4 (33 ref.)

A perspective on dose-intensive therapy with autologous bone marrow transplantation for solid tumors. Ayash LJ, et al. **Oncology (Williston Park)** 1991 Mar;5(3):25–33; discussion 33, 36, 41 (47 ref.)

Bone marrow transplantation for chronic myelogenous leukemia. Cunningham I. **Oncology (Williston Park)** 1990 Nov;4(11):101–8; discussion 108, 111 (41 ref.)

Purged autologous bone marrow transplantation in the treatment of acute leukemia. Gress RE. **Oncology (Williston Park)** 1990 Aug;4(8):35–40, 43; discussion 43–4, 47–8 (66 ref.)

Treatment of high-risk solid tumors of childhood with intensive therapy and autologous bone marrow transplantation. Seeger RC, et al. **Pediatr Clin North Am** 1991 Apr;38(2):393–424 (183 ref.)

Bone marrow transplantation. Vyas P, et al. **Practitioner** 1990 Jul 16;234(1492):732–4 (6 ref.)

The potential for the use of colony-stimulating factors in autologous bone marrow transplantation. Peters WP. **Recent Results Cancer Res** 1991;121:182–8 (19 ref.)

Cytomegalovirus infections after allogeneic bone marrow transplantation. Winston DJ, et al. **Rev Infect Dis** 1990 Sep-Oct;12 Suppl 7:S776–92 (122 ref.)

Bone marrow transplantation for sickle cell anemia: summarizing comments. Beutler E. **Semin Hematol** 1991 Jul;28(3):263–7 (16 ref.)

Bone marrow transplantation for sickle cell anemia. Kirkpatrick DV, et al. **Semin Hematol** 1991 Jul;28(3):240–3 (7 ref.)

The impact of myeloid growth factors on engraftment following autologous bone marrow transplantation for malignant lymphoma. Rabinowe SN, et al. **Semin Hematol** 1991 Apr;28(2 Suppl 2):6–16 (27 ref.)

Marrow transplantation for severe aplastic anemia and thalassemia major. Storb R, et al. **Semin Hematol** 1991 Jul; 28(3):235–9 (7 ref.)

Introduction to a symposium on sickle cell anemia: current results of comprehensive care and the evolving role of bone marrow transplantation. Sullivan KM, et al. **Semin Hematol** 1991 Jul;28(3):177–9 (24 ref.)

The pros and cons of bone marrow transplantation for sickle cell anemia. Thomas ED. **Semin Hematol** 1991 Jul; 28(3):260–2 (12 ref.)

Hodgkin's disease: the role of bone marrow transplantation. Vose JM, et al. **Semin Oncol** 1990 Dec;17(6):749–57 (64 ref.)

Clinical insights and observations contributing to the understanding of cytomegalovirus disease pathogenesis. Bone marrow transplantation. Forman SJ. **Transplant Proc** 1991 Jun;23(3 Suppl 3):110–4, discussion 114 (33 ref.)

Extrapulmonary cytomegalovirus disease in transplant patients. Petersen EA. **Transplant Proc** 1991 Apr;23(2 Suppl 1):13–6 (28 ref.)

Monoclonal antibodies for diagnosis and therapy of lymphoproliferative diseases. Campana D, et al. **Turk J Pediatr** 1990 Apr-Jun;32(2):143–51 (40 ref.)

G-CSF and GM-CSF in clinical trials. Antman KH. **Yale J Biol Med** 1990 Sep-Oct;63(5):387–410 (153 ref.)

[Autologous bone marrow transplantation for acute leukemia] Wang JM, et al. **Chung Hua Nei Ko Tsa Chih** 1991 Feb; 30(2):113–5 (22 ref.) **(Chi)**

[Hemodilution and peroperative autotransfusion during harvest for bone marrow graft] Ranchère JY, et al. **Ann Fr Anesth Reanim** 1990;9(6):480–4 (18 ref.) (Eng. Abstr.) **(Fre)**

[Therapy of multiple myeloma by allogeneic bone marrow transplantation] Heyll A, et al. **Dtsch Med Wochenschr** 1991 May 31;116(22):852–6 (21 ref.) (Eng. Abstr.) **(Ger)**

[Allogeneic bone marrow transplantation. The prerequisites, indications and results] Siegert W, et al. **Dtsch Med Wochenschr** 1991 Jan 11;116(2):63–6 (15 ref.) **(Ger)**

[Bone marrow transplantation in the concept of the step-by-step therapy of refractory or recurrent Hodgkin's lymphoma] Thomas M, et al. **Dtsch Med Wochenschr** 1990 Oct 12;115(41):1566–70 (29 ref.) **(Ger)**

[Bone marrow transplantation in the treatment of severe aplastic anemia] Locatelli F, et al. **Pediatr Med Chir** 1991

Jan-Feb;13(1):31-4 (15 ref.) (Eng. Abstr.) **(Ita)**

[Is allogeneic bone marrow transplantation the first choice for acute leukemia in first remission? From chemotherapeutical point of view] Fukutani H, et al. **Rinsho Ketsueki** 1991 Apr;32(4):361-5 (15 ref.) (Eng. Abstr.) **(Jpn)**

[Bone marrow transplantation in oncology] Tiuliandin SA. **Vopr Onkol** 1991;37(3):259-65 (31 ref.) **(Rus)**

[Bone marrow transplantation in leukemia and aplastic anemia in children] Ortega Aramburu JJ. **An Esp Pediatr** 1989 Sep;31 Suppl 39:103-9 (41 ref.) **(Spa)**

[Liver changes in bone marrow transplantation] Bruguera M, et al. **Med Clin (Barc)** 1991 Apr 6;96(13):510-4 (74 ref.) **(Spa)**

[Artificial nutrition in bone marrow transplantation] Pastó Cardona L, et al. **Nutr Hosp** 1990 Sep-Oct;5(5):295-303 (54 ref.) (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Allogeneic bone marrow transplantation: procedures and complications. Parr MD, et al. **Am J Hosp Pharm** 1991 Jan;48(1):127-37 (140 ref.)

Pulmonary considerations of organ transplantation. Part 2. Ettinger NA, et al. **Am Rev Respir Dis** 1991 Jul; 144(1):213-23 (331 ref.)

Graft-versus-host disease. Parkman R. **Annu Rev Med** 1991; 42:189-97 (32 ref.)

Graft-versus-host disease--a histological perspective. Sloane JP. **Blood Rev** 1990 Sep;4(3):196-203 (48 ref.)

Perspectives in the prevention and treatment of acute graft versus host disease. Herve P. **Bone Marrow Transplant** 1991;7 Suppl 2:117-9 (12 ref.)

Late complications after allogeneic bone marrow transplantation for leukaemia. Kolb HJ, et al. **Bone Marrow Transplant** 1990 Aug;6(2):61-72 (163 ref.)

Disseminated Trichosporon capitatum infection in a patient with acute leukemia undergoing bone marrow transplantation. Liu KL, et al. **Bone Marrow Transplant** 1990 Sep;6(3):219-21 (25 ref.)

Graft versus host disease prophylaxis today. Martelli MF, et al. **Bone Marrow Transplant** 1991;7 Suppl 2:112-6 (22 ref.)

Cytomegalovirus infection and disease after bone marrow transplantation: epidemiology, prevention, and treatment. Reusser P. **Bone Marrow Transplant** 1991;7 Suppl 3:52-6 (29 ref.)

What is graft versus host disease? van Bekkum DW. **Bone Marrow Transplant** 1991;7 Suppl 2:110-1 (15 ref.)

Advances in the management of infectious complications after bone marrow transplantation. Wingard JR. **Bone Marrow Transplant** 1990 Dec;6(6):371-83 (116 ref.)

Intravenous immunoglobulin in bone marrow transplantation. Gale RP, et al. **Cancer** 1991 Sep 15;68(6 Suppl):1451-3 (16 ref.)

The role of herpes simplex virus in the development of oral mucositis in bone marrow transplant recipients. Woo SB, et al. **Cancer** 1990 Dec 1;66(11):2375-9 (19 ref.)

Herpesvirus and enteric viral infections in bone marrow transplantation: clinical presentations, pathogenesis, and therapeutic strategies. Holland HK, et al. **Cancer Invest** 1990;8(5):509-21 (104 ref.)

Early and late complications of bone marrow transplantation. Deeg HJ. **Curr Opin Oncol** 1990 Apr;2(2):297-307 (58 ref.)

Lymphokines and the acute-phase response in clinical bone marrow transplantation. Cohen J, et al. **Eur Cytokine Netw** 1990 Oct-Nov;1(4):251-5 (20 ref.)

A clinical review: cutaneous manifestations of acute and chronic graft-versus-host disease following bone marrow transplantation. Tanaka K, et al. **J Dermatol** 1991 Jan; 18(1):11-7 (42 ref.)

Late effects of allogeneic bone marrow transplantation in children. Bender-Götze C. **Pediatrician** 1991;18(1):71-5 (16 ref.)

Long-term effects of bone marrow transplantation. Sanders JE. **Pediatrician** 1991;18(1):76-81 (38 ref.)

Chronic graft-versus-host disease and other late complications of bone marrow transplantation. Sullivan KM, et al. **Semin Hematol** 1991 Jul;28(3):250-9 (75 ref.)

Post-bone marrow transplant patient management. Poliquin CM. **Yale J Biol Med** 1990 Sep-Oct;63(5):495-502 (9 ref.)

[Clinical, diagnostic and physiopathological aspects of cytomegalovirus pneumonia after bone marrow transplantation] Cordonnier C. **Rev Pneumol Clin** 1990; 46(6):244-50 (55 ref.) (Eng. Abstr.) **(Fre)**

[Graft vs host disease in a child undergoing allogeneic bone marrow transplantation] Nespoli L, et al. **Pediatr Med Chir** 1991 Jan-Feb;13(1):17-23 (49 ref.) (Eng. Abstr.) **(Ita)**

[Gastroenterological complications after bone marrow transplantation] Ratajczak MZ, et al. **Pol Tyg Lek** 1990 Aug 20-27;45(34-35):716-20 (33 ref.) **(Pol)**

[Nephrological complications after bone marrow transplantation] Ratajczak MZ, et al. **Pol Tyg Lek** 1990 Oct 1-8;45(40-41):836-40 (34 ref.) **(Pol)**

[Complications of bone marrow transplantation] Bureo E. **An Esp Pediatr** 1989 Sep;31 Suppl 39:117-20 (12 ref.) **(Spa)**

IMMUNOLOGY

Paediatric bone marrow transplantation using donors other than HLA genotypically identical siblings. Hows JM. **Arch Dis Child** 1991 Apr;66(4):546-50 (28 ref.)

Impaired polysaccharide responses in immunodeficient patients: relevance to bone marrow transplant patients. Ambrosino DM. **Bone Marrow Transplant** 1991;7 Suppl 3:48-51 (35 ref.)

The role of minor histocompatibility antigens in GVHD and rejection: a mini-review. Goulmy E, et al. **Bone Marrow Transplant** 1991;7 Suppl 1:49-51 (30 ref.)

Pathophysiology of graft-versus-host disease directed to minor histocompatibility antigens. Korngold R. **Bone Marrow Transplant** 1991;7 Suppl 1:38-41 (25 ref.)

Critical issues in bone marrow transplantation immunology. Perreault C, et al. **Bone Marrow Transplant** 1991;7 Suppl 1:24-5 (16 ref.)

The graft versus leukemia effect: possible mechanisms and clinical significance to the biologic therapy of leukemia. Sosman JA, et al. **Bone Marrow Transplant** 1991;7 Suppl 1:33-7 (77 ref.)

The use of unrelated marrow donors for transplantation. Hows JM, et al. **Br J Haematol** 1990 Sep;76(1):1-6 (33 ref.)

Selection of marrow donors for patients lacking an HLA-identical sibling. Anasetti C, et al. **Cancer Treat Res** 1990;50:129-40 (28 ref.)

Recapitulation of immune ontogeny: a vital component for the success of bone marrow transplantation. Lum LG. **Cancer Treat Res** 1990;50:27-54 (182 ref.)

Engraftment of T-cell-depleted bone marrow in murine models for allogeneic bone marrow transplantation. Reisner Y. **Cancer Treat Res** 1990;50:9-25 (44 ref.)

Bone marrow transplantation and graft-versus-host disease. Powles RL. **Curr Opin Immunol** 1989-90;2(6):870-5 (19 ref.)

Immunodeficiency after bone marrow transplantation can be associated with autoreactive T-cell receptor gamma delta-bearing lymphocytes. Bensussan A, et al. **Immunol Rev** 1990 Aug;116:5-13 (31 ref.)

Anti-Thy-1 in bone marrow transplantation. Thierfelder S, et al. **Immunol Ser** 1989;45:531-72 (106 ref.)

The use of immunoglobulin in bone marrow transplantation. Tutschka PJ. **J Clin Immunol** 1990 Nov;10(6 Suppl):88S-92S (13 ref.)

Graft-versus-leukaemia after bone marrow transplantation. Barret AJ. **Pediatr Med Chir** 1991 Jan-Feb;13(1):9-13 (23 ref.)

Graft-versus-host disease in experimental allogeneic bone marrow transplantation. Korngold R, et al. **Proc Soc Exp Biol Med** 1991 May;197(1):12-8 (41 ref.)

Clinical basis for TBI fractionation. Cosset JM, et al. **Radiother Oncol** 1990;18 Suppl 1:60-7 (37 ref.)

Bone marrow transplantation as a means of inducing tolerance. Sykes M, et al. **Semin Immunol** 1990 Nov; 2(6):401-17 (119 ref.)

Xenophobia, T cells and a journey to a foreign land. Gale RP, et al. **Thymus** 1990 Aug;16(1):1-5 (30 ref.)

Immunobiology of bone marrow transplantation as treatment for hematologic malignancies. Champlin R. **Transplant Proc** 1991 Aug;23(4):2123-7 (81 ref.)

Critical evaluation of agents used in the treatment and prevention of cytomegalovirus infection in immunocompromised patients. Meyers JD. **Transplant Proc** 1991 Jun;23(3 Suppl 3):139-42, discussion 142-3 (14 ref.)

Studies in rodents on the use of polyclonal antilymphocyte serum and donor-specific bone marrow to induce specific unresponsiveness to skin allografts. Monaco AP. **Transplant Proc** 1991 Aug;23(4):2061-7 (38 ref.)

The role of immunoglobulin in bone marrow transplantation. Saral R. **Transplant Proc** 1991 Aug;23(4):2128-32 (40 ref.)

New approaches to transplantation tolerance. Smith CV, et al. **Transplant Proc** 1991 Aug;23(4):2157-61 (27 ref.)

[TNF-alpha in allogeneic bone marrow transplantation. Significance for immunologic reconstitution, acute graft versus host disease and risk of complications after bone marrow transplantation] Holler E. **Fortschr Med** 1991 Apr 20;109(12):263-6 (0 ref.) (Eng. Abstr.) **(Ger)**

[Prevention of infection after bone marrow transplantation] Schmeiser T. **Fortschr Med** 1991 Feb 28;109(6):155-7 (0 ref.) (Eng. Abstr.) **(Ger)**

[Results of clinical and experimental use of cyclosporin A (review of foreign literature)] Vorob'ev AA, et al. **Khirurgiia (Mosk)** 1990 Jun;(6):140-3 (67 ref.) **(Rus)**

[Antonio Raichs lecture. Graft versus host disease and the graft-against-leukemia reaction. Memorial lecture] Rozman C. **Sangre (Barc)** 1990 Dec;35(6):465-73 (80 ref.) **(Spa)**

METHODS

The value of long-term bone marrow cultures for the establishment of purging methods in bone marrow transplantation. Schulze E. **Acta Histochem Suppl** 1990; 39:489-95 (32 ref.)

Immunomagnetic purging of bone marrow: a model for negative cell selection. Pole JG, et al. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):257-61 (15 ref.)

Ex vivo chemopurging of autologous bone marrow with 4-hydroperoxycyclophosphamide to eliminate occult leukemic cells. Laboratory and clinical observations. Yeager AM, et al. **Am J Pediatr Hematol Oncol** 1990 Fall; 12(3):245-56 (45 ref.)

Ex vivo and conditioning chemotherapy for autologous bone marrow transplantation. Hervé P, et al. **Baillieres Clin Haematol** 1991 Jan;4(1):223-46 (97 ref.)

Are new conditioning regimens for transplants in acute myelogenous leukemia better? Aurer I, et al. **Bone Marrow Transplant** 1991 Apr;7(4):255-61 (47 ref.)

What is the role of recombinant colony stimulating factors in bone marrow transplantation? [published erratum appears in Bone Marrow Transplant 1990 Dec;6(6):454] Aurer I, et al. **Bone Marrow Transplant** 1990 Aug; 6(2):79-87 (49 ref.)

Factors influencing remission post-BMT in patients with acute and chronic leukemia prepared with cyclophosphamide and total body irradiation (TBI). Bacigalupo A, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:62-3 (9 ref.)

Autologous bone marrow transplantation in pediatric solid tumors: phase II studies. Hartmann O, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:106-8 (18 ref.)

Is marrow purging necessary or clinically useful? Keating A. **Bone Marrow Transplant** 1991;7 Suppl 1:61-5 (28 ref.)

Role and perspectives of BMT in AML: the BFM experience. Klingebiel T, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:66-70 (23 ref.)

Hematopoietic growth factors in bone marrow transplantation [published erratum appears in Bone Marrow Transplant 1990 Dec;6(6):454] Mertelsmann R, et al. **Bone Marrow Transplant** 1990 Aug;6(2):73-7 (19 ref.)

Recombinant growth factors in bone marrow transplantation. Singer JW, et al. **Bone Marrow Transplant** 1991;7 Suppl 1:10-2 (25 ref.)

The role of thoraco-abdominal irradiation before marrow transplantation. Vitale V, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:35-6 (7 ref.)

The role of TBI in conditioning regimens for children. Vitale V, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:32-4 (8 ref.)

Autologous transplantation in acute leukemias, including purging. Burnett AK. **Curr Opin Oncol** 1990 Apr;2(2):263-8 (17 ref.)

New approaches in bone marrow transplantation: the utilization of hematopoietic stem cells. Michejda M, et al. **Fetal Diagn Ther** 1990;5(1):40-56 (118 ref.)

Rationale for large scale bone marrow hemopoietic stem cell manipulation. Menichella G, et al. **Haematologica** 1991 Mar; 76 Suppl 1:3-6 (28 ref.)

Anti-Thy-1 in bone marrow transplantation. Thierfelder S, et al. **Immunol Ser** 1989;45:531-72 (106 ref.)

Influence of conditioning on the outcome of allogeneic bone marrow transplantation. Gluckman E. **Int J Radiat Oncol Biol Phys** 1990 Nov;19(5):1325-7 (23 ref.)

Total body irradiation regimens for marrow grafting. Thomas ED. **Int J Radiat Oncol Biol Phys** 1990 Nov;19(5):1285-8 (27 ref.)

Dose intensity studies in breast cancer--autologous bone marrow transplantation. Hortobagyi GN, et al. **Prog Clin Biol Res** 1990;354B:195-209 (17 ref.)

Dose intensification using combination alkylating agents and autologous bone marrow support in the treatment of primary and metastatic breast cancer: a review of the Duke Bone Marrow Transplantation Program experience. Peters WP. **Prog Clin Biol Res** 1990;354B:185-94 (22 ref.)

Autologous bone marrow transplantation for hematologic cancer. Phillips GL. **Prog Clin Biol Res** 1990;354B:171-84 (30 ref.)

Bone marrow transplantation: clinical and radiologic aspects. Patzik SB, et al. **Radiographics** 1991 Jul;11(4):601-10 (15 ref.)

The impact of marrow transplant preparative regimens on subsequent growth and development. The Seattle Marrow Transplant Team. Sanders JE. **Semin Hematol** 1991 Jul; 28(3):244-9 (30 ref.)

[Autologous bone marrow transplantation in malignant hematologic diseases] Johnsen HE, et al. **Ugeskr Laeger** 1991 Jun 17;153(25):1790-3 (30 ref.) (Eng. Abstr.) **(Dan)**

[Correction of fatal genetic diseases using bone marrow transplantation. 1] Zintl F, et al. **Kinderarztl Prax** 1991 Jan-Feb;59(1-2):6-9 (30 ref.) (Eng. Abstr.) **(Ger)**

[The role of bone marrow transplantation in the treatment of leukemia] Robak T. **Przegl Lek** 1990;47(10):723-7 (0 ref.) **(Pol)**

NURSING

Preparing the patient for bone marrow transplantation: nursing care issues. Holmes W. **Yale J Biol Med** 1990 Sep-Oct;63(5):487-94 (55 ref.)

PHYSIOLOGY

The role of donor lymphoid cells in allogeneic marrow engraftment. Martin PJ. **Bone Marrow Transplant** 1990 Nov;6(5):283-9 (76 ref.)

Cytogenetic events after bone marrow transplantation for Philadelphia chromosome positive chronic myeloid leukemia. Zaccaria A, et al. **Leuk Res** 1991;15(5):289-96 (91 ref.)

[Prognosis of recovery after whole-body irradiation in relation to hematological indicators as the basis of clinical management of patients] Fliedner TM. **Gematol Transfuziol** 1990 Dec;35(12):27-31 (9 ref.) **(Rus)**

PSYCHOLOGY

Psychological impact of bone marrow transplantation: current perspectives. Patenaude AF. **Yale J Biol Med** 1990 Sep-Oct;63(5):515-9 (20 ref.)

REHABILITATION

Long-term follow-up of bone marrow transplant patients. McGarigle CJ. **Yale J Biol Med** 1990 Sep-Oct;63(5):503-8 (10 ref.)

STANDARDS

Legal issues in bone marrow transplantation. Holder AR. **Yale J Biol Med** 1990 Sep-Oct;63(5):521-5 (20 ref.)

TRENDS

Recent trends in allogeneic bone marrow transplantation. Gluckman E. **Cancer Detect Prev** 1990;14(6):675-8 (43 ref.)

Recent trends in allogeneic bone marrow transplantation. Gluckman E. **Clin Transpl** 1989;:123-8 (45 ref.)

New developments in bone marrow transplantation. Slavin S, et al. **Curr Opin Oncol** 1991 Apr;3(2):254-71 (167 ref.)

[Bone marrow transplantation in pediatrics: its current status, the problems and prospects] Agosti E, et al. **Pediatr Med Chir** 1991 Jan-Feb;13(1):1-7 (22 ref.) (Eng. Abstr.) **(Ita)**

BONE MATRIX

DRUG EFFECTS

Physiology of bone: mineral compartment proteins as candidates for environmental perturbation by lead. Sauk JJ, et al. **Environ Health Perspect** 1991 Feb;91:9-16 (86 ref.)

METABOLISM

Effect of diet on bone matrix constituents. Roughead ZK, et al. **J Am Coll Nutr** 1991 Jun;10(3):242-6 (49 ref.)

BONE MINERAL CONTENT see **BONE DENSITY**

BONE MINERAL DENSITY see **BONE DENSITY**

BONE MINERALIZATION see **CALCIFICATION, PHYSIOLOGIC**

BONE NAILS

[Considerations concerning the treatment of pseudarthrosis of the humerus] Beguin JM, et al. **Acta Orthop Belg** 1991; 57(2):114-23 (34 ref.) (Eng. Abstr.) **(Fre)**

[A return to callus healing using dynamic osteosynthesis procedures. Principles, indications, complications, x-ray diagnosis of interlocking nailing and dynamic monofixators in comparison with conventional bone plates] Brug E, et al. **Radiologe** 1991 Apr;31(4):165-71 (16 ref.) (Eng. Abstr.) **(Ger)**

VETERINARY

Principles of intramedullary pin and wire fixation. Howard PE. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):52-67 (26 ref.)

Principles of external skeletal fixation using the Kirschner-Ehmer splint. Toombs JP. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):68-74 (24 ref.)

Complications associated with the use of Steinmann intramedullary pins and cerclage wires for fixation of long-bone fractures. Schrader SC. **Vet Clin North Am Small Anim Pract** 1991 Jul; 21(4):687-703 (14 ref.)

BONE NEOPLASMS

Osteoid osteomas of the hand. Report of three cases and review of the literature. Muren C, et al. **Acta Radiol** 1991 Jan;32(1):62-6 (22 ref.)

Primary osteosarcoma of a phalanx. Finci R, et al. **J Hand Surg [Br]** 1991 May;16(2):204-7 (11 ref.)

Primary intraosseous hemangioma of the orbit. Report of a case and review of literature. Zucker JJ, et al. **Ophthal Plast Reconstr Surg** 1989;5(4):247-55 (32 ref.)

Adolescent bone tumours. Earl H, et al. **Practitioner** 1990 Sep;234(1494):816-8 (3 ref.)

Primary Ewing sarcoma of rib. Moser RP Jr, et al. **Radiographics** 1990 Sep;10(5):899-914 (33 ref.)

Fibromyxoma of bone. Abdelwahab IF, et al. **Skeletal Radiol** 1991;20(2):95-8 (7 ref.)

[Osteoid osteoma of the distal end of the radius. Review of the literature in light of a case] Clermont D, et al. **Ann Chir Main Memb Super** 1991;10(2):146-7 (18 ref.) (Eng. Abstr.) **(Fre)**

[Metacarpal bone chondrosarcoma. Apropos of a case] Oberlin P, et al. **Ann Chir Main Memb Super** 1991; 10(2):184-6 (5 ref.) (Eng. Abstr.) **(Fre)**

[A case of cellular blue nevus with bone and meningeal invasion] Chassagne JF, et al. **Rev Stomatol Chir Maxillofac** 1991;92(1):34-8 (24 ref.) (Eng. Abstr.) **(Fre)**

CHEMISTRY

Bone tumors. Schwartz MK. **Immunol Ser** 1990;53:423-30 (30 ref.)

CLASSIFICATION

Surface osteosarcoma. Raymond AK. **Clin Orthop** 1991 Sep; (270):140-8 (33 ref.)

COMPLICATIONS

[Peripheral neuropathy and plasmocytic proliferations. Apropos of 17 cases] Delauche-Cavallier MC, et al. **Ann Med Interne (Paris)** 1990;141(8):651-6 (40 ref.) (Eng. Abstr.) **(Fre)**

[Paget's disease and metastatic epithelioma on the same bone. 11 new cases and review of the literature (published erratum appears in Rev Rhum Mal Osteoartic 1990 Dec;57(12):903)] Crouzet J, et al. **Rev Rhum Mal Osteoartic** 1990 Jul-Sep;57(7-8):517-20 (23 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Recent advances in magnetic resonance imaging of musculoskeletal tumours. Munk PL. **Can Assoc Radiol J** 1991 Feb;42(1):39-47 (52 ref.)

Imaging bone tumors in the 1990s. Murphy WA Jr. **Cancer** 1991 Feb 15;67(4 Suppl):1169-76 (38 ref.)

Diagnostic imaging of osteosarcoma. Seeger LL, et al. **Clin Orthop** 1991 Sep;(270):254-63 (23 ref.)

Nonspecific findings on MR imaging. The importance of correlative studies and clinical information. Seeger LL, et al. **Clin Orthop** 1991 Sep;(270):306-12 (10 ref.)

Magnetic resonance imaging in the evaluation of the solitary tumor of bone. Sundaram M, et al. **Curr Opin Radiol** 1990 Oct;2(5):697-702 (9 ref.)

Imaging of musculoskeletal tumors. Manaster BJ, et al. **Semin Oncol** 1991 Apr;18(2):140-9 (28 ref.)

[Ewing's sarcoma: literature review and presentation of 4 cases] Verset D, et al. **Acta Chir Belg** 1991 May-Jun; 91(3):121-30 (25 ref.) (Eng. Abstr.) **(Fre)**

[Juxta-articular osteoid osteoma--Image morphology and diagnosis] Dietlein M, et al. **Aktuel Traumatol** 1990 Dec; 20(6):288-91 (32 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Response of osteosarcoma and Ewing sarcoma to chemotherapy: imaging evaluation. Fletcher BD. **AJR Am J Roentgenol** 1991 Oct;157(4):825-33 (74 ref.)

The management of osteosarcoma in adults. Souhami RL. **Clin Oncol (R Coll Radiol)** 1990 Mar;2(2):102-7 (18 ref.)

Experience with multiagent chemotherapy for osteosarcoma. Improved outcome. Goorin AM, et al. **Clin Orthop** 1991 Sep;(270):22-8 (22 ref.)

Chemotherapy for children with aggressive fibromatosis and Langerhans' cell histiocytosis. Raney RB Jr. **Clin Orthop** 1991 Jan;(262):58-63 (39 ref.)

Local control and survival from the Cooperative Osteosarcoma Study Group studies of the German Society of Pediatric Oncology and the Vienna Bone Tumor Registry. Winkler K, et al. **Clin Orthop** 1991 Sep; (270):79-86 (28 ref.)

Chemotherapy for bone and soft-tissue sarcomas of the extremities. Yasko AW, et al. **J Bone Joint Surg [Am]** 1991 Sep;73(8):1263-71 (122 ref.)

Osteosarcoma. Clinical features and evolving surgical and chemotherapeutic strategies. Meyer WH, et al. **Pediatr Clin North Am** 1991 Apr;38(2):317-48 (136 ref.)

[Hormonal treatment of metastatic bone cancer] Tubiana-Hulin M. **Rev Rhum Mal Osteoartic** 1990 Nov; 57(11):821-7 (33 ref.) **(Fre)**

EPIDEMIOLOGY

Comparative aspects of osteosarcoma. Dog versus man. Withrow SJ, et al. **Clin Orthop** 1991 Sep;(270):159-68 (83 ref.)

GENETICS

Molecular genetic considerations in osteosarcoma. Hansen MF. **Clin Orthop** 1991 Sep;(270):237-46 (53 ref.)

NURSING

The nursing role in limb salvage surgery. Piasecki PA. **Nurs Clin North Am** 1991 Mar;26(1):33-41 (16 ref.)

PATHOLOGY

Mesenchymoma of the chest wall in children. Eskelinen M, et al. **Ann Thorac Surg** 1991 Aug;52(2):291-3 (10 ref.)

Bone tumors of mixed origin: osteo-liposarcoma and osteo-rhabdomyosarcoma. Marcial-Scoane RA, et al. **Bol Asoc Med P R** 1990 Sep;82(9):378-93 (80 ref.)

Osteosarcoma. Campanacci M, et al. **Bull Hosp Jt Dis Orthop Inst** 1991 Spring;51(1):1-11 (0 ref.)

Sarcomas of soft tissue and bone. Mazanet R, et al. **Cancer** 1991 Aug 1;68(3):463-73 (115 ref.)

Musculoskeletal tumor staging: 1988 update. Enneking WF. **Cancer Treat Res** 1989;44:39-49 (11 ref.)

Radiation and pagetic osteogenic sarcomas. Healey JH, et al. **Clin Orthop** 1991 Sep;(270):128-34 (25 ref.)

Chondrosarcoma and other rare bone sarcomas. Van Oosterom AT, et al. **Curr Opin Oncol** 1990 Jun;2(3):495-9 (5 ref.)

Secondary bone tumors, myeloma, cryoglobulinemia, and paraproteinemias. Harmon D. **Curr Opin Rheumatol** 1990 Feb;2(1):111-4 (10 ref.)

Benign tumors of bone. Klein MJ. **Curr Opin Rheumatol** 1990 Feb;2(1):95-101 (22 ref.)

Primary malignant bone tumors. Rosenberg AE. **Curr Opin Rheumatol** 1990 Feb;2(1):102-10 (50 ref.)

An unusual cutaneous metastasis of a chondrosarcoma. Leal-Khouri SM, et al. **J Cutan Pathol** 1990 Oct; 17(5):274-7 (16 ref.)

"Dedifferentiation" in bone and soft-tissue tumors. A histological indicator of tumor progression. Meis JM. **Pathol Annu** 1991;26 Pt 1:37-62 (53 ref.)

Transarticular invasion of joints by bone tumors: hypothesis. Abdelwahab IF, et al. **Skeletal Radiol** 1991;20(4):279-83 (25 ref.)

RADIOGRAPHY

Osseous lesions of the cervical spine. Camins MB, et al. **Clin Neurosurg** 1991;37:722-39 (36 ref.)

Survival and management considerations in postirradiation osteosarcoma and Paget's osteosarcoma. Frassica FJ, et al. **Clin Orthop** 1991 Sep;(270):120-7 (24 ref.)

Osteoid osteoma of the scapula. A case report and review of the literature. Mosheiff R, et al. **Clin Orthop** 1991 Jan; (262):129-31 (20 ref.)

Osteoid osteoma. Kransdorf MJ, et al. **Radiographics** 1991 Jul;11(4):671-96 (73 ref.)

Chondromyxoid fibroma: radiographic appearance in 38 cases and in a review of the literature [published erratum appears in Radiology 1991 Aug;180(2):586] Wilson AJ, et al. **Radiology** 1991 May;179(2):513-8 (22 ref.)

[Computed tomography of the skeletal system] Maas R, et al. **Rontgenpraxis** 1990 Aug;43(8):293-300 (8 ref.) **(Ger)**

RADIOTHERAPY

Effects of radiation therapy on skeletal growth in childhood. Goldwein JW. **Clin Orthop** 1991 Jan;(262):101-7 (33 ref.)

Ewing's sarcoma. Radiotherapy versus surgery for local control. Horowitz ME, et al. **Pediatr Clin North Am** 1991 Apr;38(2):365-80 (40 ref.)

SECONDARY

Hypercalcemia and bone metastases in breast cancer. Warrell RP Jr. **Curr Opin Oncol** 1990 Dec;2(6):1097-103 (34 ref.)

Bone imaging and its role in metastatic disease. Front D. **Curr Opin Radiol** 1990 Dec;2(6):823-6 (11 ref.)

Temporal bone involvement by prostatic adenocarcinoma: report of two cases and review of the literature. Sahin AA, et al. **Head Neck** 1991 Jul-Aug;13(4):349-54 (24 ref.)

Skeletal metastases in carcinoma of the uterine cervix--a report of two cases and review of literature. Singhal S, et al. **Indian J Med Sci** 1990 Jul;44(7):179-82 (7 ref.)

Adenocarcinoma. Case of metastasis to the foot. Gauntt K, et al. **J Am Podiatr Med Assoc** 1990 Dec;80(12):657-9 (9 ref.)

Routine imaging studies for the posttreatment surveillance of breast and colorectal carcinoma. Kagan AR, et al. **J Clin Oncol** 1991 May;9(5):837-42 (21 ref.)

Extracranial metastases of medulloblastoma in adults: literature review. Rochkind S, et al. **J Neurol Neurosurg Psychiatry** 1991 Jan;54(1):80-6 (100 ref.)

Renal cell carcinoma with acrometastasis: report of two cases and review of the literature. Troncoso A, et al. **Mod Pathol** 1991 Jan;4(1):66-9 (28 ref.)

[Acrometastases. Apropos of 2 cases. Review of the literature] Desmanet E, et al. **Ann Chir Main Memb Super** 1991;10(2):154-7 (14 ref.) (Eng. Abstr.) **(Fre)**

[Distal metastases of bronchial cancers. Bone and soft tissue metastases] Letanche G, et al. **Bull Cancer (Paris)** 1990; 77(10):1025-30 (16 ref.) (Eng. Abstr.) **(Fre)**

[Metatarsal metastasis. A case treated by exeresis an reconstruction] Chauveaux D, et al. **Rev Chir Orthop** 1990; 76(7):525-7 (11 ref.) (Eng. Abstr.) **(Fre)**

[Metastasis of pulmonary origin in a metatarsal head: differential diagnosis of an attack of gout. Literature review of bony metastases of hands and feet] Aellen P, et al. **Schweiz Rundsch Med Prax** 1991 Apr 9;80(15):387-90 (24 ref.) (Eng. Abstr.) **(Fre)**

[Tumorous osteopathy and tumorous hypercalcemia] Thiébaud D, et al. **Internist (Berl)** 1990 Dec;31(12):756-62 (49 ref.) **(Ger)**

[The importance of bone scintigraphy in the aftercare of patients with malignancies] Moser E. **Radiologe** 1990 Oct; 30(10):465-71 (22 ref.) (Eng. Abstr.) **(Ger)**

[Bone scintigraphy in breast cancer: a ten-year follow up study] Rajtár M, et al. **Orv Hetil** 1990 Sep 2;131(35):1907-8, 1911-2 (25 ref.) (Eng. Abstr.) **(Hun)**

SURGERY

A review of 13-years experience of osteosarcoma. Carter SR, et al. **Clin Orthop** 1991 Sep;(270):45-51 (11 ref.)

Limb-salvage surgery in the treatment of osteosarcoma in skeletally immature individuals. Finn HA, et al. **Clin Orthop** 1991 Jan;(262):108-18 (32 ref.)

The management of malignant bone tumors in children and adolescents. Mercuri M, et al. **Clin Orthop** 1991 Mar; (264):156–68 (64 ref.)
Current management, local management, and survival statistics of high-grade osteosarcoma. Experience in Japan. Ogihara Y, et al. **Clin Orthop** 1991 Sep;(270):72–8 (21 ref.)
Limb salvage for osteosarcoma in the 1980s. Simon MA. **Clin Orthop** 1991 Sep;(270):264–70 (24 ref.)
The nursing role in limb salvage surgery. Piasecki PA. **Nurs Clin North Am** 1991 Mar;26(1):33–41 (16 ref.)
Resection and reconstruction for bone tumors in the proximal tibia. Yaw KM, et al. **Orthop Clin North Am** 1991 Jan; 22(1):133–48 (88 ref.)
Ewing's sarcoma. Radiotherapy versus surgery for local control. Horowitz ME, et al. **Pediatr Clin North Am** 1991 Apr;38(2):365–80 (40 ref.)
Osteosarcoma. Clinical features and evolving surgical and chemotherapeutic strategies. Meyer WH, et al. **Pediatr Clin North Am** 1991 Apr;38(2):317–48 (136 ref.)
[Giant-cell tumor of the lower end of the radius treated by resection-arthrodesis. Report of 9 cases] Tomeno B, et al. **Rev Chir Orthop** 1990;76(6):420–4 (15 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Osteogenic osteosarcoma: a model of curable disease by multidisciplinary approach of treatment. Delépine N, et al. **Biomed Pharmacother** 1990;44(5):243–8 (35 ref.)
Soft tissue and bone sarcomas. Santoro A, et al. **Cancer Chemother Biol Response Modif** 1990;11:544–54 (50 ref.)
Adjuvant management of benign tumors; basic concepts of phenol and cement use. Rock M. **Chir Organi Mov** 1990; 75(1 Suppl):195–7 (24 ref.)
Cryosurgery and acrylic cementation as surgical adjuncts in the treatment of aggressive (benign) bone tumors. Analysis of 25 patients below the age of 21. Malawer MM, et al. **Clin Orthop** 1991 Jan;(262):42–57 (40 ref.)
Ewing's sarcoma. Prognostic factors, disease control, and the reemerging role of surgical treatment. O'Connor MI, et al. **Clin Orthop** 1991 Jan;(262):78–87 (23 ref.)
IIB osteosarcoma. Current management, local control, and survival statistics--The Netherlands. Veth RP. **Clin Orthop** 1991 Sep;(270):67–71 (38 ref.)
Ewing's sarcoma of bone. Grier HE. **Curr Opin Oncol** 1990 Jun;2(3):491–4 (14 ref.)
Iatrogenic bone malignancy and pseudomalignancy. Rock MG, et al. **Curr Opin Rheumatol** 1990 Feb;2(1):138–44 (9 ref.)
Ewing's sarcoma--a local or systemic problem? [editorial] Marcus RB Jr. **Int J Radiat Oncol Biol Phys** 1991 Apr; 20(4):901–2 (7 ref.)
Bone metastases: pathophysiology and management policy. Nielsen OS, et al. **J Clin Oncol** 1991 Mar;9(3):509–24 (136 ref.)
Osteosarcoma. Jaffe N. **Pediatr Rev** 1991 May;12(11):333–43 (28 ref.)
Primary chemotherapy and delayed surgery for malignant fibrous histiocytoma of bone in the extremity. Bacci G, et al. **Tumori** 1990 Dec 31;76(6):537–42 (25 ref.)

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of bone. Litvinov NN, et al. **IARC Sci Publ** 1990;(99):659–76 (24 ref.)
Fracture-associated sarcomas. Stevenson S. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):859–72 (52 ref.)

BONE PINS see **BONE NAILS**

BONE PLATES

Clinical experience with titanium implants, especially with the limited contact dynamic compression plate system. Matter P, et al. **Arch Orthop Trauma Surg** 1990;109(6):311–3 (5 ref.)
Immediate mandibular replacement using reconstruction plates. Shockley WW, et al. **Arch Otolaryngol Head Neck Surg** 1991 Jul;117(7):745–9; discussion 750 (15 ref.)
Experience with AO reconstruction plates after partial mandibular resection involving its continuity. Freitag V, et al. **J Craniomaxillofac Surg** 1991 Jul;19(5):191–8 (42 ref.)
Radiation and osteosynthesis. Dosimetry on an irradiation phantom. Stoll P, et al. **J Craniomaxillofac Surg** 1990 Nov; 18(8):361–6 (41 ref.)
Compression plate osteosynthesis for the treatment of mandibular fractures. Waldrep DJ, et al. **J S C Med Assoc** 1990 Sep;86(9):497–500 (10 ref.)
The treatment of nonunions and pseudarthroses of the humeral shaft. Rosen H. **Orthop Clin North Am** 1990 Oct; 21(4):725–42 (44 ref.)
[The Wurzburg titanium miniplate system: evaluation of 3-year utilization] Couvreur J, et al. **Acta Stomatol Belg** 1990 Dec;87(4):272–82 (11 ref.) (Eng. Abstr.) **(Dut)**
["Biological osteosynthesis"] Claudi BF, et al. **Chirurg** 1991 May;62(5):367–77 (24 ref.) **(Ger)**
[A return to callus healing using dynamic osteosynthesis procedures. Principles, indications, complications, x-ray diagnosis of interlocking nailing and dynamic monofixators in comparison with conventional bone plates] Brug E, et al. **Radiologe** 1991 Apr;31(4):165–71 (16 ref.) (Eng. Abstr.) **(Ger)**
[Basic considerations in fractures of the trochanter major in and after angle plate osteosynthesis] Ritter G, et al. **Unfallchirurgie** 1991 Apr;17(2):106–10 (7 ref.) (Eng. Abstr.) **(Ger)**

VETERINARY

Principles of screw and plate fixation. Boudrieau RJ. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):75–89 (43 ref.)
Complications of fractures repaired with plates and screws. Olmstead ML. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):669–86 (4 ref.)

BONE REGENERATION

see related
CALLUS

Regenerating bone in clinical periodontics. Mellonig JT, et al. **J Am Dent Assoc** 1990 Oct;121(4):497–502 (103 ref.)
Bone regeneration using the principle of guided tissue regeneration. Nyman S. **J Clin Periodontol** 1991 Jul; 18(6):494–8 (15 ref.)
Inflammatory mediators and the destruction of bone. Mundy GR. **J Periodont Res** 1991 May;26(3 (Pt 2)):213–7 (30 ref.)

DRUG EFFECTS

Is prolonged stimulation of bone growth a therapeutic possibility? Mundy GR. **Mol Cell Endocrinol** 1991 Feb; 75(2):C19–25 (51 ref.)
[The regenerative ability of the iliac crest following spongiosa removal in man--induction by phosphate ceramics? I] Roesgen M. **Unfallchirurgie** 1990 Oct;16(5):258–65 (0 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Neutral proteases in regenerating bone. Einhorn TA, et al. **Clin Orthop** 1991 Jan;(262):286–97 (74 ref.)
[Regeneration capacity of the iliac crest after spongiosa removal in humans--induction by phosphate ceramics?] Roesgen M. **Unfallchirurgie** 1991 Feb;17(1):44–59 (94 ref.) (Eng. Abstr.) **(Ger)**
[The usefulness of biochemical markers of bone remodelling in the diagnosis and follow-up of Paget's disease of bone, primary hyperparathyroidism, tumoral hypercalcemia and postmenopausal osteoporosis. I. The markers of bone formation] de la Piedra Gordo C, et al. **An Med Interna** 1990 Sep;7(9):480–6 (39 ref.) (Eng. Abstr.) **(Spa)**

BONE RESORPTION

Clear zone in osteoclast function: role of podosomes in regulation of bone-resorbing activity. Teti A, et al. **Am J Physiol** 1991 Jul;261(1 Pt 1):C1–7 (57 ref.)
The cellular mechanism of action of bisphosphonates. Hughes DE, et al. **Drugs Exp Clin Res** 1991;17(2):109–14 (35 ref.)
[Usefulness of bone remodelling biochemical markers in the diagnosis and follow-up of Paget's bone disease, primary hyperparathyroidism, tumor hypercalcemia, and postmenopausal osteoporosis. II. Bone resorption markers] de la Piedra Gordo C, et al. **An Med Interna** 1990 Oct; 7(10):534–8 (25 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Is systemic treatment of osteoporosis and mandibular resorption possible? Driessens FC, et al. **Acta Stomatol Belg** 1990 Jun;87(2):107–24 (104 ref.)
Pamidronate. A review of its pharmacological properties and therapeutic efficacy in resorptive bone disease. Fitton A, et al. **Drugs** 1991 Feb;41(2):289–318 (148 ref.)
Is prolonged stimulation of bone growth a therapeutic possibility? Mundy GR. **Mol Cell Endocrinol** 1991 Feb; 75(2):C19–25 (51 ref.)

IMMUNOLOGY

Inflammatory mediators and the destruction of bone. Mundy GR. **J Periodont Res** 1991 May;26(3 (Pt 2)):213–7 (30 ref.)

PHYSIOPATHOLOGY

Mechanical loading, estrogen deficiency, and the coupling of bone formation to bone resorption [comment] Rodan GA. **J Bone Miner Res** 1991 Jun;6(6):527–30 (64 ref.) Comment on: J Bone Miner Res 1991 Jun;6(6):583–90.
Inflammatory mediators and the destruction of bone. Mundy GR. **J Periodont Res** 1991 May;26(3 (Pt 2)):213–7 (30 ref.)
[Bone resorption in orthodontic tooth movement: an attempted schematization] Olive M, et al. **Orthod Fr** 1989; 60 Pt 2:895–904 (54 ref.) (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Preventive implantations. Denissen HW, et al. **Int Dent J** 1991 Feb;41(1):17–24 (12 ref.)

SURGERY

Reconstruction of the severely resorbed mandible. Davis WH, et al. **J Prosthet Dent** 1990 Nov;64(5):583–8 (17 ref.)

BONE SCREWS

Biomechanics of thoracolumbar spinal fixation. A review. Krag MH. **Spine** 1991 Mar;16(3 Suppl):S84–99 (134 ref.)
[Ventral direct screw fixation in dens fractures] Aebi M, et al. **Orthopade** 1991 Apr;20(2):147–53 (33 ref.) (Eng. Abstr.) **(Ger)**

VETERINARY

Principles of screw and plate fixation. Boudrieau RJ. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):75–89 (43 ref.)
Complications of fractures repaired with plates and screws. Olmstead ML. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):669–86 (4 ref.)

BONE TRANSPLANTATION

Surgery in the musculoskeletal system, including endoprosthesis and internal fixation. Pavlov H. **Curr Opin Radiol** 1990 Oct;2(5):703–10 (28 ref.)
Healing and repair of osseous defects. Bernard GW. **Dent Clin North Am** 1991 Jul;35(3):469–77 (47 ref.)
Freeze-dried bone allografts in periodontal reconstructive surgery. Mellonig JT. **Dent Clin North Am** 1991 Jul; 35(3):505–20 (51 ref.)
Recurrence of an odontogenic keratocyst in a bone graft. Report of a case. DeGould MD, et al. **Int J Oral Maxillofac Surg** 1991 Feb;20(1):9–11 (18 ref.)
Management of a large frontoethmoid osteoma with sinus cranialization and cranial bone graft reconstruction. Schwartz MS, et al. **Int J Pediatr Otorhinolaryngol** 1990 Sep;20(1):63–72 (12 ref.)
Regenerating bone in clinical periodontics. Mellonig JT, et al. **J Am Dent Assoc** 1990 Oct;121(4):497–502 (103 ref.)
Reconstruction of the severely resorbed mandible. Davis WH, et al. **J Prosthet Dent** 1990 Nov;64(5):583–8 (17 ref.)
The biology of bone grafting. Gross TP, et al. **Orthopedics** 1991 May;14(5):563–8 (65 ref.)

ADVERSE EFFECTS

The costochondral graft: a solution or a source of facial asymmetry in growing children. A case report. Peltomäki T, et al. **Proc Finn Dent Soc** 1991;87(1):167–76 (54 ref.)
[Morbidity of iliac bone grafts. A study apropos of 100 consecutive cases] Harbon S, et al. **Ann Chir Plast Esthet** 1991;36(1):45–50 (24 ref.) (Eng. Abstr.) **(Fre)**
[Risks of a cartilage-bone bank with reference to HIV infection] Schadel A, et al. **HNO** 1991 May;39(5):177–81 (45 ref.) (Eng. Abstr.) **(Ger)**

METHODS

The use of bone grafts and alloplastic materials in cranioplasty. Prolo DJ, et al. **Clin Orthop** 1991 Jul; (268):270–8 (41 ref.)
Total lower face bony rejuvenation. Quinn PD. **Clin Plast Surg** 1991 Jan;18(1):171–81 (20 ref.)
Bone grafting in rearfoot surgery. Wolf K. **Clin Podiatr Med Surg** 1991 Jul;8(3):449–67 (28 ref.)
Bone contouring and fixation in functional, primary microvascular mandibular reconstruction. Buchbinder D, et al. **Head Neck** 1991 May-Jun;13(3):191–9 (21 ref.)
Microsurgical free bone transfer in the dog. Fowler JD, et al. **Microsurgery** 1991;12(2):145–50 (27 ref.)
Free vascularized fibula transfer in the management of congenital pseudarthrosis of the tibia. Manoylovic R, et al. **Microsurgery** 1991;12(3):170–4 (27 ref.)
Osteomyelitis. The Ilizarov perspective. Green SA. **Orthop Clin North Am** 1991 Jul;22(3):515–21 (24 ref.)
Bone transplantation. Villar R. **Practitioner** 1991 Feb; 235(1499):107–10 (0 ref.)
[Skull vault bone graft in augmentation septorhinoplasty] Mayot D, et al. **Ann Otolaryngol Chir Cervicofac** 1990; 107(8):571–6 (10 ref.) (Eng. Abstr.) **(Fre)**
[Bone transplantation in post-traumatic osteitis] Burri C. **Aktuel Probl Chir Orthop** 1990;34:107–26 (42 ref.) **(Ger)**
[Spongiosa-plasty and transport corticotomy--an alternative or supplementary procedure?] Brutscher R, et al. **Chirurg** 1991 May;62(5):388–93 (15 ref.) **(Ger)**

PHYSIOLOGY

[Regeneration capacity of the iliac crest after spongiosa removal in humans--induction by phosphate ceramics?] Roesgen M. **Unfallchirurgie** 1991 Feb;17(1):44–59 (94 ref.) (Eng. Abstr.) **(Ger)**

STANDARDS

Procurement, banking and decontamination of bone and collagenous tissue allografts: guidelines for infection control. Angermann P, et al. **J Hosp Infect** 1991 Mar; 17(3):159–69 (83 ref.)

VETERINARY

Principles of bone grafting. Johnson AL. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):90–9 (33 ref.)

BONE TUBERCULOSIS

BONE TUBERCULOSIS see **TUBERCULOSIS, OSTEOARTICULAR**

BONE WIRES

The treatment of nonunions and pseudarthroses of the humeral shaft. Rosen H. **Orthop Clin North Am** 1990 Oct; 21(4):725–42 (44 ref.)

VETERINARY

Principles of intramedullary pin and wire fixation. Howard PE. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):52–67 (26 ref.)

Complications associated with the use of Steinmann intramedullary pins and cerclage wires for fixation of long-bone fractures. Schrader SC. **Vet Clin North Am Small Anim Pract** 1991 Jul; 21(4):687–703 (14 ref.)

BOOKS

see related
BIBLIOTHERAPY

BORDERLINE PERSONALITY DISORDER

DIAGNOSIS

A current view of the interface between borderline personality disorder and depression. Gunderson JG, et al. **Am J Psychiatry** 1991 Aug;148(8):967–75 (68 ref.)

Borderline and schizotypal disorders in children and adolescents. Meijer M, et al. **Br J Psychiatry** 1991 Feb; 158:205–12 (69 ref.)

Assessment of borderline personality disorder. A review of MMPI and Rorschach findings. Zalewski C, et al. **J Nerv Ment Dis** 1991 Jun;179(6):338–45 (68 ref.)

Two kinds of borderline concepts. Conceptual and empirical agreement between DSM-III, DIB, and Kernberg. Sandell R. **Psychiatr Dev** 1989 Winter;7(4):351–65 (39 ref.)

[Various methods of differential diagnosis of borderline personality disorders] Tyra TL. **Psychiatr Pol** 1989 Sep-Dec;23(5–6):396–402 (13 ref.) **(Pol)**

[Definitions, diagnostic criteria and treatment trials of borderline personality disorders] Walentynowicz A. **Psychiatr Pol** 1990 Jan-Feb;24(1):55–64 (34 ref.) **(Pol)**

PSYCHOLOGY

Towards a revised theory of borderline object relations: contributions of empirical research. Westen D. **Int J Psychoanal** 1990;71 (Pt 4):661–93 (130 ref.)

Exploring an object relations perspective on borderline conditions. Tuttman S. **J Am Acad Psychoanal** 1990 Winter; 18(4):539–53 (41 ref.)

The depressed borderline: one disorder or two? Soloff PH, et al. **Psychopharmacol Bull** 1991;27(1):23–30 (43 ref.)

THERAPY

New uses of countertransference for the inpatient treatment of borderline personality disorder. Rosenbluth M. **Can J Psychiatry** 1991 May;36(4):280–4 (31 ref.)

Borderline clients: practice implications of recent research [published erratum appears in Soc Work 1991 May;36(3):259] Johnson HC. **Soc Work** 1991 Mar; 36(2):166–73 (48 ref.)

[Diagnosis and treatment of borderline disorders within the scope of inpatient psychiatric care] Lohmer M. **Psychiatr Prax** 1990 Sep;17(5):172–9 (26 ref.) (Eng. Abstr.) **(Ger)**

BORDETELLA INFECTIONS

COMPLICATIONS

Human infections associated with Bordetella bronchiseptica. Woolfrey BF, et al. **Clin Microbiol Rev** 1991 Jul;4(3):243–55 (171 ref.)

BORDETELLA PERTUSSIS

see related
PERTUSSIS TOXINS
PERTUSSIS VACCINE

BORDETELLA PERTUSSIS TOXINS see **PERTUSSIS TOXINS**

BORNA DISEASE

ETIOLOGY

[Immunopathogenesis of Borna disease] Stitz L, et al. **Tierarztl Prax** 1991 Jun;19(3):267–70 (23 ref.) (Eng. Abstr.) **(Ger)**

BORNA DISEASE VIRUS

PATHOGENICITY

Borna disease, a possible hazard for man? Rott R, et al. **Arch Virol** 1991;118(3–4):143–9 (30 ref.)

BORNHOLM DISEASE see **PLEURODYNIA, EPIDEMIC**

BORON

ANALYSIS

A review of techniques for the analysis of boron in the development of neutron capture therapy agents. Moore DE. **J Pharm Biomed Anal** 1990;8(7):547–53 (41 ref.)

METABOLISM

Studies on the relationship between boron and magnesium which possibly affects the formation and maintenance of bones. Nielsen FH. **Magnes Trace Elem** 1990;9(2):61–9 (24 ref.)

BORON COMPOUNDS

THERAPEUTIC USE

Tumor targeting agents for neutron capture therapy. Soloway AH, et al. **Basic Life Sci** 1990;54:37–47 (25 ref.)

BORRELIA

IMMUNOLOGY

Antigenic variation of a relapsing fever Borrelia species. Barbour AG. **Annu Rev Microbiol** 1990;44:155–71 (39 ref.)

PATHOGENICITY

Spirochetal dysentery: a case report and review of literature. Singh S, et al. **Trop Gastroenterol** 1990 Jul-Sep;11(3):152–7 (22 ref.)

BORRELIA BURGDORFERI

see related
LYME DISEASE

The many faces and phases of borreliosis II. Abele DC, et al. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 1):401–10 (112 ref.)

Lyme disease and related disorders. Stanek G. **Microbiol Sci** 1985 Aug;2(8):231–4 (42 ref.)

IMMUNOLOGY

Cellular immune response to Borrelia burgdorferi in patients with Lyme borreliosis. Krause A, et al. **Behring Inst Mitt** 1991 Feb;(88):52–8 (15 ref.)

A mouse model for Borrelia burgdorferi infection: approach to a vaccine against Lyme disease. Simon MM, et al. **Immunol Today** 1991 Jan;12(1):11–6 (67 ref.)

[Borrelia burgdorferi infection. II. Aspects of basic research, new approaches to diagnosis and therapy] Kramer MD, et al. **Hautarzt** 1991 Feb;42(2):63–71 (27 ref.) (Eng. Abstr.) **(Ger)**

[Anti-Borrelia burgdorferi antibodies in chronic erythema migrans, benign lymphadenosis cutis, scleroderma and scleroatrophic lichen] Afa G, et al. **G Ital Dermatol Venereol** 1990 Sep;125(9):369–73 (48 ref.) (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Lyme borreliosis. Baranton G. **Comp Immunol Microbiol Infect Dis** 1990;13(3):111–7 (41 ref.)

[First isolation of Borrelia burgdorferi (Lyme spirochaeta) from ticks in Hungary] Lakos A, et al. **Orv Hetil** 1991 Jan 20;132(3):129–30, 133–4 (39 ref.) (Eng. Abstr.) **(Hun)**

PHYSIOLOGY

Lyme borreliosis: relation of its causative agent to its vectors and hosts in North America and Europe. Lane RS, et al. **Annu Rev Entomol** 1991;36:587–609 (129 ref.)

BORRELIA INFECTIONS

Spirochetal dysentery: a case report and review of literature. Singh S, et al. **Trop Gastroenterol** 1990 Jul-Sep;11(3):152–7 (22 ref.)

BOTANICAL INSECTICIDES see **INSECTICIDES, BOTANICAL**

BOTANY

see related
PLANTS

What is ethnobotany today? Prance GT. **J Ethnopharmacol** 1991 Apr;32(1–3):209–16 (40 ref.)

BOTRYTIS see **HYPHOMYCETES**

BOTTLE FEEDING

[Substantiation of the formula of human milk substitutes] Volgarev MN, et al. **Vopr Pitan** 1990 Jul-Aug;(4):5–10 (44 ref.) **(Rus)**

BOTULIN see **BOTULINUM TOXINS**

BOTULINUM TOXINS

METABOLISM

Structure and biological activity of botulinum neurotoxin. DasGupta BR. **J Physiol (Paris)** 1990;84(3):220–8 (56 ref.)

THERAPEUTIC USE

Botulinum toxin. **Consens Statement** 1990 Nov 12–14; 8(8):1–20 (0 ref.)

Therapeutic uses of botulinum toxin. Jankovic J, et al. **N Engl J Med** 1991 Apr 25;324(17):1186–94 (115 ref.)

Botulinum toxin therapy. Savino PJ, et al. **Neurol Clin** 1991 Feb;9(1):205–24 (77 ref.)

[Treatment of facial spasm with botulin A toxin] Adenis JP, et al. **J Fr Ophtalmol** 1990;13(5):259–64 (18 ref.) (Eng. Abstr.) **(Fre)**

[Use of botulinum toxin in ophthalmology (literature review)] Indeikin EN. **Vestn Oftalmol** 1991 Mar-Apr;107(2):66–70 (26 ref.) **(Rus)**

TOXICITY

Presynaptic actions of botulinal neurotoxins at vertebrate neuromuscular junctions. Molgo J, et al. **J Physiol (Paris)** 1990;84(2):152–66 (121 ref.)

The study of clostridial and related toxins. The search for unique mechanisms and common denominators. Simpson LL. **J Physiol (Paris)** 1990;84(2):143–51 (32 ref.)

Trophic interrelations at the neuromuscular junction as revealed by the use of botulinal neurotoxins. Thesleff S, et al. **J Physiol (Paris)** 1990;84(2):167–73 (96 ref.)

BOTULISM

see related
BOTULINUM TOXINS

A review of botulism in China. Gao QY, et al. **Biomed Environ Sci** 1990 Sep;3(3):326–36 (13 ref.)

VETERINARY

A comparison of human and animal botulism: a review. Critchley EM. **J R Soc Med** 1991 May;84(5):295–8 (29 ref.)

[Botulism in cattle, a review] Haagsma J. **Tijdschr Diergeneeskd** 1991 Jul 1;116(13):663–9 (31 ref.) (Eng. Abstr.) **(Dut)**

BOUILLAUD'S DISEASE see **RHEUMATIC FEVER**

BOURNEVILLE'S DISEASE see **TUBEROUS SCLEROSIS**

BOUTONNEUSE FEVER

DRUG THERAPY

Antibiotic treatment of rickettsiosis, recent advances and current concepts. Raoult D. **Eur J Epidemiol** 1991 May; 7(3):276–81 (48 ref.)

BOVINE IMMUNODEFICIENCY-LIKE VIRUS

Development of the bovine immunodeficiency-like virus as a model of lentivirus disease. Gonda MA, et al. **Dev Biol Stand** 1990;72:97–110 (24 ref.)

PHYSIOLOGY

[Bovine immunodeficiency virus: short review] Bouillant AM, et al. **Ann Rech Vet** 1990;21(4):239–50 (92 ref.) (Eng. Abstr.) **(Fre)**

BOVINE KUNITZ PANCREATIC TRYPSIN INHIBITOR see **APROTININ**

BOVINE PAPILLOMATOSIS VIRUS

GENETICS

Transforming activity of bovine and human papillomaviruses in cultured cells. DiMaio D. **Adv Cancer Res** 1991; 56:133–59 (139 ref.)

PHYSIOLOGY

[Papillomatosis of cattle and its relationship to equine sarcoid] Müller H. **Tierarztl Prax** 1991 Feb;19(1):39–43 (38 ref.) (Eng. Abstr.) **(Ger)**

BOVINE PAPULAR DERMATITIS VIRUS see **BOVINE PAPILLOMATOSIS VIRUS**

BOVINE SYNCYTIAL VIRUS see **SPUMAVIRINAE**

BOVINE WART VIRUS see **BOVINE PAPILLOMATOSIS VIRUS**

BOWEN'S DISEASE

Bowenoid papulosis. Schwartz RA, et al. **J Am Acad Dermatol** 1991 Feb;24(2 Pt 1):261–4 (46 ref.)

ETIOLOGY

Bowen's disease (squamous cell carcinoma in situ) as a skin marker for internal malignancy: a case–control study. Chuang TY, et al. **Am J Prev Med** 1990 Jul–Aug; 6(4):238–43 (21 ref.)

PATHOLOGY

Cervical intraepithelial neoplasia III in an adolescent with Bowenoid papulosis. Stafford EM, et al. **J Adolesc Health Care** 1990 Nov;11(6):523–6 (17 ref.)

[Bowen's disease, Paget's disease and basalioma of the anal region] Gross E. **Z Gastroenterol Verh** 1991 Mar;26:176–80 (48 ref.) **(Ger)**

BOXING

INJURIES

Fever of unknown origin following traumatic brain injury. Jackson RD, et al. **Brain Inj** 1991 Jan–Mar;5(1):93–100 (30 ref.)

[Medical aspects of boxing] Hanne–Paparo N. **Harefuah** 1990 Sep;119(5–6):156–9 (33 ref.) **(Heb)**

BP VIRUSES see **ADENOVIRUSES, HUMAN**

BRACES

The effect of bracing on the collateral ligaments of the knee. Baker BE. **Clin Sports Med** 1990 Oct;9(4):843–51 (44 ref.)

Functional analysis of anterior cruciate ligament braces. Branch TP, et al. **Clin Sports Med** 1990 Oct;9(4):771–97 (28 ref.)

Laboratory evaluation of prophylactic knee brace performance under dynamic valgus loading using a surrogate leg model. Brown TD, et al. **Clin Sports Med** 1990 Oct;9(4):751–62 (13 ref.)

Postoperative knee bracing. Cawley PW. **Clin Sports Med** 1990 Oct;9(4):763–70 (12 ref.)

Bracing for patellar instability. Cherf J, et al. **Clin Sports Med** 1990 Oct;9(4):813–21 (20 ref.)

In vitro assessment of prophylactic knee brace function. France EP, et al. **Clin Sports Med** 1990 Oct;9(4):823–41 (44 ref.)

Choosing functional knee braces. France EP, et al. **Clin Sports Med** 1990 Oct;9(4):743–50 (10 ref.)

The use of knee braces during rehabilitation. Nelson KA. **Clin Sports Med** 1990 Oct;9(4):799–811 (40 ref.)

Clinical significance and evaluation of prophylactic knee brace studies in football. Requa RK, et al. **Clin Sports Med** 1990 Oct;9(4):853–69 (11 ref.)

Prophylactic ankle bracing. Miller EA, et al. **Pediatr Clin North Am** 1990 Oct;37(5):1175–85 (20 ref.)

A review of the use of prophylactic knee braces in football. Requa RK, et al. **Pediatr Clin North Am** 1990 Oct; 37(5):1165–73 (11 ref.)

[Functional therapy in treatment of fractures and joint injuries] Tscherne H, et al. **Zentralbl Chir** 1990; 115(16):997–1005 (11 ref.) (Eng. Abstr.) **(Ger)**

CLASSIFICATION

The history and classification of knee braces. Wirth MA, et al. **Clin Sports Med** 1990 Oct;9(4):731–41 (58 ref.)

STANDARDS

The current state of functional knee bracing research. A review of the literature. Cawley PW, et al. **Am J Sports Med** 1991 May–Jun;19(3):226–33 (44 ref.)

BRACHIAL ARTERY

Complications of anomalous origin of the right subclavian artery: case report and review of the literature. Akers DL Jr, et al. **Ann Vasc Surg** 1991 Jul;5(4):385–8 (19 ref.)

Multiple congenital aneurysms of unknown origin. De Letter JA, et al. **Eur J Vasc Surg** 1991 Jun;5(3):349–54 (15 ref.)

Digital artery embolization as a result of fibromuscular dysplasia of the brachial artery. Cheu HW, et al. **J Vasc Surg** 1991 Aug;14(2):225–8 (20 ref.)

[Intra-arterial digital angiography using a trans-humeral approach in the assessment of ambulatory patients] Florio F, et al. **Radiol Med (Torino)** 1990 Jul–Aug;80(1–2):63–8 (17 ref.) (Eng. Abstr.) **(Ita)**

INJURIES

Brachial artery injury in closed elbow dislocation. Case report and review of literature. Sadat-Ali M. **Arch Orthop Trauma Surg** 1990;109(5):288–90 (18 ref.)

Transection of the brachial artery complicating closed posterior dislocation of the elbow. Howard AC, et al. **Injury** 1991 May;22(3):240–2 (11 ref.)

BRACHIAL-BASILAR INSUFFICIENCY SYNDROME see **SUBCLAVIAN STEAL SYNDROME**

BRACHIAL PLEXUS

[Peripheral neurologic complications of brachial plexus blocks] Gentili ME, et al. **Cah Anesthesiol** 1990;38(8):561–7 (48 ref.) (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

The brachial plexus. Clinical anatomy. McCann PD, et al. **Orthop Rev** 1991 May;20(5):413–9 (23 ref.)

INJURIES

Brachial-plexus injury after clavicular fracture: case report and literature review. Rumball KM, et al. **Can J Surg** 1991 Jun;34(3):264–6 (9 ref.)

Recovery of brachial plexus injuries. Thomeer RT. **Clin Neurol Neurosurg** 1991;93(1):3–11 (70 ref.)

[Time for reassessment of brachial plexus injuries] Mellström A, et al. **Lakartidningen** 1991 Apr 17;88(16):1479–81 (11 ref.) **(Swe)**

PATHOLOGY

Malignant glandular triton tumor. Wong SY, et al. **Cancer** 1991 Feb 15;67(4):1076–83 (22 ref.)

SURGERY

Recovery of brachial plexus injuries. Thomeer RT. **Clin Neurol Neurosurg** 1991;93(1):3–11 (70 ref.)

Brachial plexus microsurgery in children. Hentz VR, et al. **Microsurgery** 1991;12(3):175–85 (24 ref.)

BRACHIOCEPHALIC TRUNK

[Intravascular technics of cerebral revascularization] Théron J, et al. **J Mal Vasc** 1990;15(3):245–56 (37 ref.) (Eng. Abstr.) **(Fre)**

[Associated atherosclerotic lesions of the coronary and brachiocephalic arteries] Belov IuV, et al. **Kardiologiia** 1991 Apr;31(4):89–92 (66 ref.) **(Rus)**

INJURIES

Penetrating trauma involving the innominate artery. McLean TR, et al. **Ann Thorac Surg** 1991 Jan;51(1):113–4; discussion 114–5 (11 ref.)

The normal mediastinum in blunt traumatic rupture of the thoracic aorta and brachiocephalic arteries. Woodring JH. **J Emerg Med** 1990 Jul–Aug;8(4):467–76 (72 ref.)

[Rupture of the innominate artery: a complication of tracheal surgery] Bosco G, et al. **G Chir** 1988 May;9(5):303–7 (12 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

Tracheal stenosis by innominate artery compression in infants: surgical treatment in 35 cases. Schuster T, et al. **Prog Pediatr Surg** 1991;27:231–43 (26 ref.)

SURGERY

[Surgical treatment of patients with nonspecific aorto-arteritis of the brachiocephalic branches of the aortic arch] Zotikov AE. **Khirurgiia (Mosk)** 1990 Nov;(11):150–3 (56 ref.) **(Rus)**

BRACHIOCEPHALIC VEINS

ABNORMALITIES

[A case report of anomalous left brachiocephalic vein] Ohkubo Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1991 Jun;29(6):758–63 (18 ref.) (Eng. Abstr.) **(Jpn)**

BRACHIOPODA see **INVERTEBRATES**

BRACHYDANIO see **ZEBRAFISH**

BRACHYTHERAPY

Radionuclide therapy revisited. Hoefnagel CA. **Eur J Nucl Med** 1991;18(6):408–31 (203 ref.)

The 'boost' in the treatment of early-stage breast cancer: electrons versus interstitial implants. Recht A, et al. **Front Radiat Ther Oncol** 1991;25:169–79; discussion 180–2 (22 ref.)

Interstitial brachytherapy for pancreatic cancer: report of seven cases treated with 125I and a review of the literature. Montemaggi P, et al. **Int J Radiat Oncol Biol Phys** 1991 Jul;21(2):451–7 (25 ref.)

An overview of brachytherapy in cancer management. Clarke DH, et al. **Oncology (Williston Park)** 1990 Sep; 4(9):39–46; discussion 46, 51–2, 54 (41 ref.)

High-dose-rate intraluminal brachytherapy for esophageal cancer: 10 years experience in Hyogo College of Medicine. Hishikawa Y, et al. **Radiother Oncol** 1991 Jun;21(2):107–14 (30 ref.)

Intraoperative brachytherapy alone for incomplete resected recurrent rectal cancer. Minsky BD, et al. **Radiother Oncol** 1991 Jun;21(2):115–20 (37 ref.)

Radiobiological aspects of continuous low dose-rate irradiation and fractionated high dose-rate irradiation. Turesson I. **Radiother Oncol** 1990 Sep;19(1):1–15 (59 ref.)

Combined irradiation treatment in breast cancer. Ausili-Cefaro G, et al. **Rays** 1991 Jan–Mar;16(1):17–23 (26 ref.) **(Eng, Ita)**

Indications and results of combined external beam radiation and interstitial radiotherapy in the treatment of carcinoma of the oropharynx. Ausili-Cefaro G, et al. **Rays** 1991 Jan–Mar;16(1):97–106 (42 ref.) **(Eng, Ita)**

Combined brachytherapy and external radiotherapy for carcinoma of the prostate. Experience and results. Ciarniello V, et al. **Rays** 1991 Jan–Mar;16(1):24–30 (30 ref.) **(Eng, Ita)**

Combined external radiotherapy and brachytherapy of brain tumors: a review. De Santis M, et al. **Rays** 1991 Jan–Mar; 16(1):31–5 (14 ref.) **(Eng, Ita)**

Combined external radiotherapy and intracavitary radiotherapy in esophageal carcinoma. Montemaggi P, et al. **Rays** 1991 Jan–Mar;16(1):36–41 (19 ref.) **(Eng, Ita)**

Combined external radiotherapy and Syed's curietherapy in the treatment of carcinoma of the cervix. Montemaggi P, et al. **Rays** 1991 Jan–Mar;16(1):42–7 (9 ref.) **(Eng, Ita)**

Combined external beam irradiation and interstitial radiotherapy of T1–T2 cancers of the mobile tongue and floor of mouth. Montemaggi P, et al. **Rays** 1991 Jan–Mar; 16(1):53–8 (6 ref.) **(Eng, Ita)**

Combined brachytherapy and external beam radiation in soft tissue sarcomas. Salvi G, et al. **Rays** 1991 Jan–Mar; 16(1):92–6 (17 ref.) **(Eng, Ita)**

Non oat cell lung carcinoma: is there a role for combined brachytherapy and external radiotherapy? Trodella L, et al. **Rays** 1991 Jan–Mar;16(1):64–70 (19 ref.) **(Eng, Ita)**

Combined treatment in pancreatic carcinoma: review of literature. Trodella L, et al. **Rays** 1991 Jan–Mar;16(1):76–81 (19 ref.) **(Eng, Ita)**

Combined brachytherapy and external beam radiation in the treatment of anal and rectal carcinoma. Valentini V, et al. **Rays** 1991 Jan–Mar;16(1):82–91 (44 ref.) **(Eng, Ita)**

[Endoscopic intubation and intracavitary irradiation in the palliative treatment of inoperable esophageal tumors] Kupcsulik P, et al. **Orv Hetil** 1991 Feb 17;132(7):347–53 (42 ref.) (Eng. Abstr.) **(Hun)**

[Gynecologic brachytherapy with high dose intensity] Grillo Ruggieri F. **Radiol Med (Torino)** 1990 Oct;80(4):538–43 (51 ref.) **(Ita)**

INSTRUMENTATION

[High Dose Rate 192Ir-Microselectron] Bentzen JK, et al. **Ugeskr Laeger** 1990 Oct 1;152(40):2908–10 (18 ref.) (Eng. Abstr.) **(Dan)**

[Increasing the thermal enhancement ratio by simultaneous application of radiation and hyperthermia--technical possibilities in interstitial application] Handl-Zeller L. **Strahlenther Onkol** 1990 Oct;166(10):643–6 (12 ref.) (Eng. Abstr.) **(Ger)**

[Interstitial brachytherapy in pelvic neoplasms] Cellini N. **Radiol Med (Torino)** 1990 Oct;80(4):544–53 (119 ref.) **(Ita)**

METHODS

Carcinoma of the uterine cervix treated by irradiation alone. Results of treatment at the National Cancer Center, Tokyo. Akine Y, et al. **Acta Oncol** 1990;29(6):747–53 (15 ref.)

Malignant glioma: current treatment perspectives. Adams BA, et al. **J Neurosci Nurs** 1991 Feb;23(1):15–9 (20 ref.)

High dose rate sources in remote afterloading brachytherapy: implications for intracavitary and interstitial treatment of carcinoma. Syzek EJ, et al. **J Okla State Med Assoc** 1990 Nov;83(11):541–5 (36 ref.)

Brachytherapy in head and neck cancer: selection criteria and results at the University of Florida. Mendenhall WM, et al. **Oncology (Williston Park)** 1991 Feb;5(2):44–54; discussion 59–60 (25 ref.)

Brachytherapy in head and neck cancer: selection criteria and results at the University of Florida. Part 1. Mendenhall WM, et al. **Oncology (Williston Park)** 1991 Jan;5(1):87–93 (0 ref.)

Combined curietherapy and teletherapy: radiobiology of time-dose relationship. Magno L. **Rays** 1990 Oct–Dec; 15(4):507–15 (25 ref.) **(Eng, Ita)**

[Iodine-125 seed implantation in the treatment of prostatic carcinoma] Hammer J. **Strahlenther Onkol** 1991 Feb; 167(2):63–81 (209 ref.) (Eng. Abstr.) **(Ger)**

[High dose brachytherapy in gynecologic neoplasms. Review of the literature] Portaluri M, et al. **Minerva Ginecol** 1991 Mar;43(3):87–95 (29 ref.) (Eng. Abstr.) **(Ita)**

[The interstitial radiotherapy of lung cancer using enclosed 125I radiation sources] Anikin VA, et al. **Med Radiol (Mosk)** 1990 Nov;35(11):39–41 (36 ref.) **(Rus)**

BRACONID VIRUSES see **BACULOVIRIDAE**

BRADYARRHYTHMIA see **BRADYCARDIA**

BRADYCARDIA

The 'athletic heart syndrome'. A critical review. George KP, et al. **Sports Med** 1991 May;11(5):300–30 (238 ref.)

CHEMICALLY INDUCED

Nitroglycerin-induced hypotension, bradycardia, and asystole: report of a case and review of the literature. Brandes W, et al. **Clin Cardiol** 1990 Oct;13(10):741–4 (18 ref.)

ETIOLOGY

Interference between gastroesophageal reflux and sleep in near miss SIDS. Gaultier CL. **Clin Rev Allergy** 1990 Winter;8(4):395–401 (27 ref.)

Bradycardia and the trigeminal nerve. Barnard NA, et al.

J Craniomaxillofac Surg 1990 Nov;18(8):359–60 (19 ref.)
[Significance of arrhythmias in advanced age] Lang E.
Ther Umsch 1991 May;48(5):322–8 (11 ref.) (Eng. Abstr.) (Ger)
[The mechanisms of bradycardia due to the degree of training] Chinkin AS. Usp Fiziol Nauk 1991 Apr–Jun; 22(2):134–40 (61 ref.) (Rus)

THERAPY

Indications for and use of artificial cardiac pacemakers: Part I. Del Negro AA, et al. Curr Probl Cardiol 1978 Oct; 3(7):1–44 (49 ref.)
[Anti-bradycardia pacemaker therapy: rational choice of system in relation to hemodynamic and prognostic aspects] Stangl K. Herz 1991 Jun;16(3):138–48 (73 ref.) (Eng. Abstr.) (Ger)

BRADYKININ

Bradykinin receptors: characterization, distribution and mechanisms of signal transduction. Roberts RA.
Prog Growth Factor Res 1989;1(4):237–52 (98 ref.)

ANTAGONISTS & INHIBITORS

Bradykinin antagonists. Bathon JM, et al.
Annu Rev Pharmacol Toxicol 1991;31:129–62 (199 ref.)

BLOOD

Acute autonomic neuropathy associated with a high serum bradykinin level and positive anti-nuclear and anti-DNA antibodies titers. Otokida K, et al. Jpn J Med 1990 Sep–Oct; 29(5):560–5 (13 ref.)

PHARMACOLOGY

Arachidonate release consequent to bradykinin-stimulated phospholipid metabolism in dorsal root ganglion cells. Morell P, et al. Biochem Soc Trans 1991 Apr;19(2):411–6 (16 ref.)
A role for cyclic GMP in the initiation of cardiac pressor reflexes by bradykinin and capsaicin. Woolley G, et al. Pol J Pharmacol Pharm 1990 May–Jun;42(3):249–57 (22 ref.)

PHYSIOLOGY

[Receptors for bradykinin and related kinins--their characteristics and role] Shisheva A. Eksp Med Morfol 1990;29(3):68–74 (34 ref.) (Bul)

BRAIN

Transplantation of adrenal tissue into the central nervous system. Fine A. Brain Res Brain Res Rev 1990 May–Aug; 15(2):121–33 (119 ref.)
Meningioma: the role of a foreign body and irradiation in tumor formation. Saleh J, et al. Neurosurgery 1991 Jul; 29(1):113–8; discussion 118–9 (47 ref.)
Grafting genetically modified cells to the brain: conceptual and technical issues. Gage FH, et al. Prog Brain Res 1990; 82:1–10 (37 ref.)

ABNORMALITIES

Central nervous system malformations in the CHARGE association. Lin AE, et al. Am J Med Genet 1990 Nov; 37(3):304–10 (76 ref.)
Five children with del (2)(q31q33) and one individual with dup (2)(q31q33) from a single family: review of brain, cardiac, and limb malformations. Ramer JC, et al. Am J Med Genet 1990 Nov;37(3):392–400 (23 ref.)
Teratogenic effects of alcohol on brain development. West JR, et al. Ann Med 1990;22(5):319–25 (43 ref.)
Surgical implications of cerebral dysgenesis. Cochrane DD, et al. Can J Neurol Sci 1991 May;18(2):181–95 (69 ref.)
Cerebral dysplasias as expressions of altered maturational processes. Sarnat HB. Can J Neurol Sci 1991 May; 18(2):196–204 (60 ref.)
The cerebro-reno-digital syndromes: a new community. Lurie IW, et al. Clin Genet 1991 Feb;39(2):104–13 (34 ref.)
Cerebral midline developmental anomalies: spectrum and associated features. Delezoide AL, et al. Genet Couns 1990; 1(3–4):197–210 (22 ref.)
Selected clinical research involving the central nervous system. Cohen MM Jr. J Craniofac Genet Dev Biol 1990; 10(2):215–38 (183 ref.)
Epidermal nevus syndrome: a neurologic variant with hemimegalencephaly, gyral malformation, mental retardation, seizures, and facial hemihypertrophy. Pavone L, et al. Neurology 1991 Feb;41(2 (Pt 1)):266–71 (22 ref.)
The role of ultrasound in evaluation of patients with elevated maternal serum alpha-fetoprotein: a review. Watson WJ, et al. Obstet Gynecol 1991 Jul;78(1):123–8 (46 ref.)
Radiographic manifestations of anomalies of the brain. Sato Y, et al. Radiol Clin North Am 1991 Mar;29(2):179–94 (68 ref.)

ANATOMY & HISTOLOGY

Does brain size variability provide evidence of multiple species in Homo habilis? Miller JA.
Am J Phys Anthropol 1991 Apr;84(4):385–98 (78 ref.)
Anatomy of the serotonergic system. Törk I.
Ann N Y Acad Sci 1990;600:9–34; discussion 34–5 (75 ref.)
Brains, bodies and metabolism. Armstrong E.
Brain Behav Evol 1990;36(2–3):166–76 (82 ref.)
Histochemical strategies in the study of neural evolution. Brauth SE. Brain Behav Evol 1990;36(2–3):100–15 (85 ref.)
Integrated phylogeny of the primate brain, with special reference to humans and their diseases. Rapoport SI. Brain Res Brain Res Rev 1990 Sep–Dec;15(3):267–94 (290 ref.)
Parallel evolution in mammalian and avian brains: comparative cytoarchitectonic and cytochemical analysis. Rehkämper G, et al. Cell Tissue Res 1991 Jan;263(1):3–28 (197 ref.)
Mapping neuropeptide-containing pathways in the brain with special reference to data obtained from the rat limbic system. Arluison M, et al. Int Rev Cytol 1990;123:1–38 (205 ref.)
Specification and selection of regions of interest (ROIs) in a computerized brain atlas. Bohm C, et al.
J Cereb Blood Flow Metab 1991 Mar;11(2):A64–8 (11 ref.)
Physiological ROI definition by image subtraction. Fox PT.
J Cereb Blood Flow Metab 1991 Mar;11(2):A79–82 (12 ref.)
The neuroanatomy and neurophysiology of attention. Colby CL. J Child Neurol 1991;6 Suppl:S90–118 (301 ref.)
Applications of the intravoxel coherent motion technique to the central nervous system. Young IR, et al.
Magn Reson Med 1991 Jun;19(2):266–9 (10 ref.)
[The structural-functional organization of the connections in the system for the central regulation of visceral functions] Aleksandrov VG, et al. Usp Fiziol Nauk 1990 Oct–Dec;21(4):85–102 (204 ref.) (Rus)
[The structural prerequisites for the temporal support of neural activity] Mering TA. Usp Fiziol Nauk 1990 Oct–Dec;21(4):103–22 (140 ref.) (Rus)
[Cerebral laterality and interhemispheric connections: neurobiologic aspects] Aboitiz F.
Arch Biol Med Exp (Santiago) 1989 Dec;22(4):341–54 (72 ref.) (Eng. Abstr.) (Spa)

BLOOD SUPPLY

Investigation of the vertebral artery in cerebral atherosclerosis. Ackerstaff RG, et al. Eur J Vasc Surg 1991 Jun;5(3):229–35 (61 ref.)
Systems analysis of cerebrovascular pressure transmission: an observational study in head-injured patients. Piper IR, et al. J Neurosurg 1990 Dec;73(6):871–80 (29 ref.)
Control of brain microcirculation by endothelium. Rosenblum WI. Keio J Med 1990 Sep;39(3):137–41 (23 ref.)
[Disorders of carbohydrate-lipid metabolism in cerebral ischemia] Maciejek Z, et al. Wiad Lek 1990 Sep 1–15; 43(17–18):890–4 (52 ref.) (Pol)
[Clinical aspects and diagnosis of early signs of cerebrovascular insufficiency] Kanareikin KF, et al.
Klin Med (Mosk) 1991 Feb;69(2):10–7 (62 ref.) (Rus)

CYTOLOGY

The third glial cell type, the microglia: cellular markers of activation in situ. Graeber MB, et al.
Acta Histochem Suppl 1990;38:157–60 (17 ref.)
Autoradiographic studies of cell proliferation in the brain of rodents: a review of methods and results. Korr H.
Acta Histochem Suppl 1990;39:219–23 (14 ref.)
Distribution of histaminergic neurons and fibers in rat brain. Comparison with noradrenergic and serotonergic innervation of the vestibular system. Steinbusch HW.
Acta Otolaryngol Suppl (Stockh) 1991;479:12–23 (41 ref.)
The tuberoinfundibular dopaminergic neurons of the brain: hormonal regulation. Porter JC, et al.
Adv Exp Med Biol 1990;274:1–23 (33 ref.)
Histaminergic neuron system: morphological features and possible functions. Wada H, et al. Agents Actions Suppl 1991;33:11–27 (65 ref.)
Cellular and synaptic alterations in the aging brain. Agnati LF, et al. Aging (Milano) 1990 Mar;2(1):5–25 (125 ref.)
Plasticity of sensory and motor maps in adult mammals. Kaas JH. Annu Rev Neurosci 1991;14:137–67 (158 ref.)
T-type calcium channel in mammalian CNS neurones. Akaike N. Comp Biochem Physiol [C] 1991;98(1):31–40 (50 ref.)
Division of astroblasts and oligodendroblasts in postnatal rodent brain: evidence for separate astrocyte and oligodendrocyte lineages. Skoff RP, et al. GLIA 1991; 4(2):165–74 (45 ref.)
Limitations of in vitro models of ischemia. Choi DW.
Prog Clin Biol Res 1990;361:291–9 (14 ref.)
[In situ hybridization on tissue section: a new method for studying the amacrine cells of the retina and the centers of the visual system] Abitbol M, et al. Ophtalmologie 1990 Jan–Feb;4(1):43–7 (25 ref.) (Eng. Abstr.) (Fre)
[Gene expression in the cells of the central nervous system] Takahashi Y. Seikagaku 1991 Apr;63(4):253–81 (199 ref.) (Jpn)

DRUG EFFECTS

Short-lasting and reversible inhibition of monoamine oxidase-A by moclobemide. Da Prada M, et al.
Acta Psychiatr Scand Suppl 1990;360:103–5 (10 ref.)
Comparison of monoamine oxidase-A inhibition by moclobemide in vitro and ex vivo in rats. Kettler R, et al. Acta Psychiatr Scand Suppl 1990;360:101–2 (18 ref.)
Biochemical pharmacology of the atypical neuroleptic remoxipride. Köhler C, et al.
Acta Psychiatr Scand Suppl 1990;358:27–36 (45 ref.)
Cholinergic neuropharmacology: an update. Palacios JM, et al. Acta Psychiatr Scand Suppl 1991;366:27–33 (66 ref.)
Atypical neuroleptics: role of multiple receptors, endogenous dopamine, and receptor linkage. Seeman P.
Acta Psychiatr Scand Suppl 1990;358:19–20 (72 ref.)
The efficacy of levodopa treatment declines in the course of Parkinson's disease: do nondopaminergic lesions play a role? Agid Y, et al. Adv Neurol 1990;53:83–100 (135 ref.)
The antiparkinsonian activity of dopamine agonists and their interaction with central dopamine receptor subtypes. Goldstein M, et al. Adv Neurol 1990;53:101–6 (16 ref.)
Neuroadaptive responses to chronic ethanol. Buck KJ, et al. Alcohol Clin Exp Res 1991 Jun;15(3):460–70 (186 ref.)
Fetal alcohol exposure: cellular toxicity and molecular events involved in toxicity. Michaelis EK.
Alcohol Clin Exp Res 1990 Dec;14(6):819–26 (59 ref.)
Potassium channel blockers: could they work in Alzheimer disease? Wiseman EJ, et al. Alzheimer Dis Assoc Disord 1991 Spring;5(1):25–30 (38 ref.)
Biochemical mechanisms of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine toxicity. Could oxidative stress be involved in the brain? Adams JD Jr, et al. Biochem Pharmacol 1991 Apr 15; 41(8):1099–105 (78 ref.)
The influence of stress on psychopharmacological responses to nicotine. Balfour DJ. Br J Addict 1991 May;86(5):489–93 (40 ref.)
Understanding brain mechanisms in nicotine reinforcement. Corrigall WA. Br J Addict 1991 May;86(5):507–10 (28 ref.)
Neurophysiological aspects of smoking behaviour: a neuroelectric perspective. Knott VJ. Br J Addict 1991 May; 86(5):511–5 (23 ref.)
Behavioural pharmacology of nicotine: multiple mechanisms. Stolerman IP. Br J Addict 1991 May;86(5):533–6 (12 ref.)
The relevance of receptor binding studies to tobacco research. Wonnacott S. Br J Addict 1991 May;86(5):537–41 (28 ref.)
Alcohol and the brain [see comments] Lishman WA.
Br J Psychiatry 1990 May;156:635–44 (75 ref.) Comment in: Br J Psychiatry 1990 Sep;157:454–5.
Brain protection: physiological and pharmacological considerations. Part II: The pharmacology of brain protection. Hall R, et al. Can J Anaesth 1990 Oct; 37(7):762–77 (118 ref.)
A guide to benzodiazepine selection. Part I: Pharmacological aspects. Teboul E, et al. Can J Psychiatry 1990 Nov; 35(8):700–10 (76 ref.)
Neurochemical hypothesis: participation by aluminum in producing critical mass of colocalized errors in brain leads to neurological disease. Joshi JG.
Comp Biochem Physiol [C] 1991;100(1–2):103–5 (21 ref.)
The validity of animal models in the search for drugs for the aging brain. Pepeu G, et al. Drug Des Deliv 1990 Dec; 7(1):1–10 (80 ref.)
Antidepressants: current concepts of mode of action. Cowen PJ. Int Clin Psychopharmacol 1990 Jul;5 Suppl 3:45–55 (37 ref.)
Biochemical genetic differences in vulnerability to drug effects: is statistically significant always physiologically important and vice versa? Ritz MC. J Addict Dis 1991; 10(1–2):189–203 (44 ref.)
CNS and PNS effects of nimodipine. Bär PR, et al.
J Neural Transm Suppl 1990;31:55–71 (78 ref.)
The GABAA/benzodiazepine receptor: implications for the molecular basis of anxiety. Breier A, et al.
J Psychiatr Res 1990;24 Suppl 2:91–104 (80 ref.)
Pharmacological mechanisms of benzodiazepine withdrawal. Nutt DJ. J Psychiatr Res 1990;24 Suppl 2:105–10 (30 ref.)
Selegiline as neuroprotective therapy in Parkinson's disease: concepts and controversies. Langston JW. Neurology 1990 Oct;40(10 Suppl 3):suppl 61–6; discussion 67–9 (37 ref.)
Threshold procedures for assessing the impact of agents on brain reward systems. Fountain SB, et al.
Neurotoxicol Teratol 1990 Sep–Oct;12(5):469–75 (26 ref.)
The effects of delta-9-THC on mechanisms of learning and memory. Deadwyler SA, et al. NIDA Res Monogr 1990; 97:79–93 (60 ref.)
Conditioning as a critical determinant of sensitization induced by psychomotor stimulants. Pert A, et al.
NIDA Res Monogr 1990;97:208–41 (135 ref.)
Antagonism to neuronal cystine uptake a factor in neuronal damage by glutamate. Nutr Rev 1990 Dec;48(12):440–2 (7 ref.)
Results of N-methyl-D-aspartate antagonists in perinatal cerebral asphyxia therapy. Ford LM. Pediatr Neurol 1990 Nov–Dec;6(6):363–6 (50 ref.)
Central effects of oxytocin. Richard P, et al. Physiol Rev 1991 Apr;71(2):331–70 (580 ref.)
Neuroimmune axis as a basis of therapy in Alzheimer's disease. Singh VK. Prog Drug Res 1990;34:383–93 (34 ref.)
Mechanisms of action of atypical antipsychotic drugs. Implications for novel therapeutic strategies for schizophrenia. Deutch AY, et al. Schizophr Res 1991 Mar–Apr;4(2):121–56 (450 ref.)
Restorative neurology. Drugs and recovery following stroke. Goldstein LB, et al. Stroke 1990 Nov;21(11):1636–40 (51 ref.)
Neurotoxicology of pyrethrin and the pyrethroid insecticides. Dorman DC, et al. Vet Hum Toxicol 1991 Jun;33(3):238–43 (48 ref.)

[Clinical and neurobiological aspects of long-term administration of psychotropic drugs] Bourin M, et al. **Can J Psychiatry** 1991 May;36(4):260-4 (55 ref.) (Eng. Abstr.) **(Fre)**

[Central analgesic effects of non-steroidal anti-rheumatic agents] Jurna I. **Z Rheumatol** 1991;50 Suppl 1:7-13 (46 ref.) (Eng. Abstr.) **(Ger)**

[Sexual dimorphism in the brain and drug actions: with special reference to the sex difference in the functional effects of maternal exposure to drugs in the littermate offspring] Fujii T. **Yakubutsu Seishin Kodo** 1991 Feb; 11(1):17-28 (36 ref.) (Eng. Abstr.) **(Jpn)**

[Psychotropic effect of clonidine--the role of alpha 2 adrenergic receptors in the pathogenesis of mental disorders] Kasperowicz-Dąbrowiecka A, et al. **Psychiatr Pol** 1990 Mar-Apr;24(2):151-9 (40 ref.) **(Pol)**

[The types of central serotonin receptors, their functional role and participation in the action of psychopharmacologic agents] Abramets II. **Farmakol Toksikol** 1990 Sep-Oct; 53(5):70-5 (72 ref.) (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

The effects of stress during the brain growth spurt. Burns EM. **Annu Rev Nurs Res** 1990;8:57-82 (92 ref.)

Nutritional fatty acids control. Composition and function of cerebral membranes. Bourre JM, et al. **Bibl Nutr Dieta** 1990;(46):95-103 (23 ref.)

Ontogeny and phylogeny: a re-evaluation of conceptual relationships and some applications. Northcutt RG. **Brain Behav Evol** 1990;36(2-3):116-40 (120 ref.)

Adaptive changes in the developing brain during intrauterine stress. Amiel-Tison C, et al. **Brain Dev** 1991;13(2):67-76 (94 ref.)

Fetal brain development and later schizophrenia. Murray RM, et al. **Ciba Found Symp** 1991;156:155-63; discussion 163-70 (34 ref.)

Determinants of nerve cell patterns during development: a review. Goffinet AM. **Eur J Morphol** 1990;28(2-4):149-68 (71 ref.)

When should we expect prenatally damaged human brains to have abnormal neuronal connections? Ashwell KW. **Med Hypotheses** 1991 Feb;34(2):149-52 (26 ref.)

Cell lineage restrictions in the chick embryo hindbrain. Lumsden A. **Philos Trans R Soc Lond [Biol]** 1991 Mar 29; 331(1261):281-6 (33 ref.)

ENZYMOLOGY

The role of MAO in dopaminergic transmission. Riederer P, et al. **Adv Neurol** 1990;53:149-53 (35 ref.)

Regulation of brain Ca2+/calmodulin-dependent protein kinase II. Soderling TR, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:206-11 (19 ref.)

Phorbol ester activation of the isotypes of protein kinase C from bovine and rat brain. Evans FJ, et al. **Biochem Soc Trans** 1991 Apr;19(2):397-402 (32 ref.)

Drug metabolizing enzymes in the brain and cerebral microvessels. Minn A, et al. **Brain Res Brain Res Rev** 1991 Jan-Apr;16(1):65-82 (182 ref.)

Quantification of enzyme activities in brain sections by microphotometry. Kugler P. **Int J Biochem** 1991; 23(7-8):657-61 (26 ref.)

Action of inhibitors on brain glutamate decarboxylase. Tunnicliff G. **Int J Biochem** 1990;22(11):1235-41 (75 ref.)

Choline acetyltransferase: a molecular genetic approach. Mallet J, et al. **Prog Brain Res** 1990;84:3-10 (26 ref.)

Cysteine sulfinic acid decarboxylases (CSD) in the brain. Tappaz M, et al. **Prog Clin Biol Res** 1990;351:53-68 (42 ref.)

GROWTH & DEVELOPMENT

The brain development and behaviour of autistic children. Notes on the research situation. Rothenberger A. **Acta Paedopsychiatr** 1990;53(3):191-4 (15 ref.)

What have we learned about the jimpy phenotype expression by intracerebral transplantations? Lachapelle F, et al. **Ann N Y Acad Sci** 1990;605:332-45 (43 ref.)

Ontogeny of the serotonergic system in the rat: serotonin as a developmental signal. Lauder JM. **Ann N Y Acad Sci** 1990;600:297-313; discussion 314 (46 ref.)

The roles of microtubule-associated proteins in brain morphogenesis: a review. Tucker RP. **Brain Res Brain Res Rev** 1990 May-Aug;15(2):101-20 (125 ref.)

Synaptic dysgenesis. Becker LE. **Can J Neurol Sci** 1991 May; 18(2):170-80 (59 ref.)

Critical periods in brain development. Smart JL. **Ciba Found Symp** 1991;156:109-24; discussion 124-8 (40 ref.)

Retarded cerebral growth of hormone-deficient mice. Noguchi T. **Comp Biochem Physiol [C]** 1991;98(1):239-48 (68 ref.)

Some aspects of the neuronal cytoskeleton in development. Riederer BM. **Eur J Morphol** 1990;28(2-4):347-78 (288 ref.)

Mechanism of neurogenesis in adult avian brain. Alvarez-Buylla A. **Experientia** 1990 Sep 15;46(9):948-55 (80 ref.)

Migratory patterns of clonally related cells in the developing central nervous system. Gray GE, et al. **Experientia** 1990 Sep 15;46(9):929-40 (74 ref.)

Extracellular matrix and neuronal movement. Liesi P. **Experientia** 1990 Sep 15;46(9):900-7 (85 ref.)

Principles of neural cell migration. Rakic P. **Experientia** 1990 Sep 15;46(9):882-91 (68 ref.)

Boyd Orr memorial lecture. Early nutrition and later achievement. Dobbing J. **Proc Nutr Soc** 1990 Jul; 49(2):103-18 (57 ref.)

The early development and evolution of the human brain. Crawford MA. **Ups J Med Sci Suppl** 1990;48:43-78 (57 ref.)

Dietary lipids in relation to postnatal development of the brain. Hargreaves K, et al. **Ups J Med Sci Suppl** 1990; 48:79-95 (31 ref.)

Vulnerability of developing brain to undernutrition. Smart JL. **Ups J Med Sci Suppl** 1990;48:21-41 (28 ref.)

IMMUNOLOGY

Characterization of Thy-1 with monoclonal antibodies and evidence of Thy-3. Naquet P, et al. **Immunol Ser** 1989; 45:99-117 (30 ref.)

Interaction between the brain and the immune system. Rabin BS, et al. **Immunol Ser** 1990;52:125-54 (123 ref.)

Immunological and neuropathological significance of the Virchow-Robin space. Esiri MM, et al. **J Neurol Sci** 1990 Dec;100(1-2):3-8 (69 ref.)

Lymphocyte interacting adhesion molecules on brain microvascular cells. Hart MN, et al. **Mol Immunol** 1990 Dec;27(12):1355-9 (15 ref.)

Antigens of Trypanosoma cruzi that mimic mammalian nervous tissues: investigations of their role in the autoimmune pathophysiology of chronic Chagas' disease. Petry K, et al. **Res Immunol** 1991 Feb;142(2):151-6 (27 ref.)

[Immunological aspects of the treatment of various forms of Alzheimer's disease] Leszek J, et al. **Psychiatr Pol** 1989 Sep-Dec;23(5-6):373-8 (40 ref.) **(Pol)**

METABOLISM

Expression and functions of P-glycoprotein (mdr1 gene product) in normal and malignant tissues. Sugawara I. **Acta Pathol Jpn** 1990 Aug;40(8):545-53 (42 ref.)

Neurochemical substrates of ictal behavior. Meldrum BS. **Adv Neurol** 1991;55:35-45 (81 ref.)

Studies on eicosanoid metabolism in the fetal rat brain after global ischemia. Yavin E, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:749-52 (14 ref.)

Brain glucose and energy metabolism during normal aging. Hoyer S. **Aging (Milano)** 1990 Sep;2(3):245-58 (140 ref.)

Cerebral blood flow and metabolism studies in multi-infarct dementia. Brown WD, et al. **Alzheimer Dis Assoc Disord** 1991 Summer;5(2):131-43 (72 ref.)

Glucose management during cardiopulmonary bypass: cardiovascular and neurologic implications [editorial; comment] Lanier WL. **Anesth Analg** 1991 Apr;72(4):423-7 (33 ref.) Comment on: Anesth Analg 1991 Apr;72(4):428-34.

Studies on central nervous system serotonin receptors in mood disorders. Young A, et al. **Ann Acad Med Singapore** 1991 Jan;20(1):46-50 (36 ref.)

Serotonin in early onset, male alcoholics with violent behaviour. Virkkunen M, et al. **Ann Med** 1990;22(5):327-31 (55 ref.)

Neurotoxic effect of MDMA on brain serotonin neurons: evidence from neurochemical and radioligand binding studies. De Souza EB, et al. **Ann N Y Acad Sci** 1990; 600:682-97; discussion 697-8 (28 ref.)

19F-nuclear magnetic resonance spectroscopy. Its use in defining molecular sites of anesthetic action. Evers AS, et al. **Ann N Y Acad Sci** 1991;625:725-32 (10 ref.)

Serotonin 5-HT1D receptors. Hoyer D, et al. **Ann N Y Acad Sci** 1990;600:168-81; discussion 181-2 (63 ref.)

In vivo 19F nuclear magnetic resonance brain studies of halothane, isoflurane, and desflurane. Rapid elimination and no abundant saturable binding. Litt L, et al. **Ann N Y Acad Sci** 1991;625:707-24 (33 ref.)

Brain-behavior relationships in aphasia studied by positron emission tomography. Metter EJ. **Ann N Y Acad Sci** 1991; 620:153-64 (49 ref.)

On the role of adenylate cyclase in presynaptic modulation of neurotransmitter release mediated by monoamine and opioid receptors in the brain. Mulder AH, et al. **Ann N Y Acad Sci** 1990;604:237-49 (60 ref.)

The biochemistry of myelin in X-linked mutants. Quarles RH. **Ann N Y Acad Sci** 1990;605:135-45 (46 ref.)

Neuropeptide Y receptors: autoradiographic distribution in the brain and structure-activity relationships. Quirion R, et al. **Ann N Y Acad Sci** 1990;611:58-72 (78 ref.)

Neurotoxicity of MDMA: neurochemical effects. Schmidt CJ, et al. **Ann N Y Acad Sci** 1990;600:665-80; discussion 680-1 (34 ref.)

Modulation of histamine synthesis and release in brain via presynaptic autoreceptors and heteroreceptors. Schwartz JC, et al. **Ann N Y Acad Sci** 1990;604:40-54 (38 ref.)

19F in vivo NMR spectroscopy: a new technique to probe fluorinated anesthetic-tissue interactions. Wyrwicz AM. **Ann N Y Acad Sci** 1991;625:733-42 (16 ref.)

5-HT receptors linked to adenylyl cyclase activity in mammalian brain. Yocca FD, et al. **Ann N Y Acad Sci** 1990;600:212-23 (59 ref.)

Brain, eye, kidney, and IgA. Filtration and selective immune deposition [editorial] Peress NS, et al. **Arch Pathol Lab Med** 1991 Apr;115(4):327-8 (29 ref.)

Bioprecursor approach to drug targeting. Jung MJ. **Biochem Soc Trans** 1990 Oct;18(5):745-6 (5 ref.)

Amino acid neurotransmitter reuptake: mechanistics, biochemistry and molecular cloning. Kanner BI. **Biochem Soc Trans** 1991 Feb;19(1):92-5 (27 ref.)

Ernst Klenk Lecture, November 1987. Molecular studies in neuroscience: implications for medicine. Bloom FE. **Biol Chem Hoppe Seyler** 1991 Apr;372(4):245-54 (85 ref.)

Accumulation of methylmercury and inorganic mercury in the brain. Friberg L, et al. **Biol Trace Elem Res** 1989 Jul-Sep;21:201-6 (18 ref.)

The role of diet in modulating brain metabolism and behavior. Greenwood C. **Bol Asoc Med P R** 1990 Jun;82(6):273-5 (13 ref.)

A model for narcolepsy. Mamelak M. **Can J Psychol** 1991 Jun;45(2):194-220 (189 ref.)

Regional cerebral blood flow measurement in humans by xenon-133 clearance. Obrist WD, et al. **Cerebrovasc Brain Metab Rev** 1990 Winter;2(4):283-327 (415 ref.)

Amino acids as volume-regulatory osmolytes in mammalian cells. Law RO. **Comp Biochem Physiol A** 1991;99(3):263-77 (59 ref.)

Aggressive behavior in birds: an experimental model for studies of brain-steroid interactions. Schlinger BA, et al. **Comp Biochem Physiol [A]** 1990;97(3):307-16 (79 ref.)

Drug delivery to the brain using polymers. Domb A, et al. **Crit Rev Ther Drug Carrier Syst** 1991;8(1):1-17 (98 ref.)

Drug disposition in the mammalian eye and brain: a comparison of mechanisms. Leinweber FJ. **Drug Metab Rev** 1991;23(1-2):133-246 (616 ref.)

Principles of the 2-deoxyglucose method for the determination of the local cerebral glucose utilization. Wree A. **Eur J Morphol** 1990;28(2-4):132-8 (37 ref.)

Oxygen free radicals and Parkinson's disease. Adams JD Jr, et al. **Free Radic Biol Med** 1991;10(2):161-9 (93 ref.)

Lactography as an approach to monitor glucose metabolism on-line in brain and muscle. Korf J, et al. **Int J Biochem** 1990;22(12):1371-8 (49 ref.)

Relative affinity of quazepam for type-1 benzodiazepine receptors in brain. Wamsley JK, et al. **J Clin Psychiatry** 1991 Sep;52 Suppl:15-20 (67 ref.)

Review: Normal and abnormal central nervous system GABA metabolism in childhood. Jaeken J, et al. **J Inherit Metab Dis** 1990;13(6):793-801 (41 ref.)

Glucose: a fuel for thought! Aynsley-Green A. **J Paediatr Child Health** 1991 Feb;27(1):21-30 (36 ref.)

Sigma binding sites in the brain; an emerging concept for multiple sites and their relevance for psychiatric disorders. Itzhak Y, et al. **Life Sci** 1990;47(13):1073-81 (69 ref.)

The aging brain: protein phosphorylation as a target of changes in neuronal function. Magnoni MS, et al. **Life Sci** 1991;48(5):373-85 (88 ref.)

Huntington's disease as a model for mood disorders. Clues from neuropathology and neurochemistry. Peyser CE, et al. **Mol Chem Neuropathol** 1990 Mar;12(2):99-119 (105 ref.)

Ligand-gated ion channels in the brain: the amino acid receptor superfamily. Betz H. **Neuron** 1990 Oct;5(4):383-92 (96 ref.)

Neurochemical actions of CCK underlying the therapeutic potential of CCK-B antagonists. Hughes J, et al. **Neuropeptides** 1991 Jul;19 Suppl:85-9 (34 ref.)

Functional role of brain CCK receptors. Woodruff GN, et al. **Neuropeptides** 1991 Jul;19 Suppl:45-56 (79 ref.)

Neuropsychiatric disorders and the multiple human brain serotonin receptor subtypes and subsystems. Murphy DL. **Neuropsychopharmacology** 1990 Oct-Dec;3(5-6):457-71 (171 ref.)

Adaptive regulation of central serotonin receptors linked to phosphoinositide hydrolysis. Sanders-Bush E. **Neuropsychopharmacology** 1990 Oct-Dec;3(5-6):411-6 (30 ref.)

Central effects of CRF on metabolism and energy balance. Rothwell NJ. **Neurosci Biobehav Rev** 1990 Fall; 14(3):263-71 (122 ref.)

Oxygen radicals: common mediators of neurotoxicity. LeBel CP, et al. **Neurotoxicol Teratol** 1991 May-Jun;13(3):341-6 (68 ref.)

Classical and nonclassical cannabinoids: mechanism of action--brain binding. Howlett AC, et al. **NIDA Res Monogr** 1990;96:100-11 (42 ref.)

What the clinician can learn from MRS lactate measurements. Prichard JW. **NMR Biomed** 1991 Apr;4(2):99-102 (15 ref.)

Pathomechanisms of the cerebral and myocardial glucose metabolism. Knapp WH. **Nuklearmedizin** 1990 Dec; 29(6):236-45 (129 ref.)

Brain cholecystokinin receptors and satiety. **Nutr Rev** 1990 Sep;48(9):359-60 (11 ref.)

Calcium-binding proteins: differential regulation in intestine, kidney, and brain. **Nutr Rev** 1991 Jun;49(6):191-4 (13 ref.)

Dopamine release and metabolism in the rat striatum: an analysis by 'in vivo' brain microdialysis. Arbuthnott GW, et al. **Pharmacol Ther** 1990;48(3):281-93 (86 ref.)

Histaminergic transmission in the mammalian brain. Schwartz JC, et al. **Physiol Rev** 1991 Jan;71(1):1-51 (838 ref.)

Measurement of the receptor turnover using an irreversible inactivating method. Theoretical assumptions, limitations and practical realization. Nowak G. **Pol J Pharmacol Pharm** 1990 Sep-Oct;42(5):433-40 (24 ref.)

The cholinergic system in Alzheimer disease. Giacobini E. **Prog Brain Res** 1990;84:321–32 (73 ref.)
Positron emission tomography and cholinergic mechanisms: an overview. Mazière M, et al. **Prog Brain Res** 1990; 84:347–59 (61 ref.)
Cholinergic receptors in the rat and human brain: microscopic visualization. Palacios JM, et al. **Prog Brain Res** 1990;84:243–53 (47 ref.)
Derangements in cerebral osmohomeostasis: a common denominator for stimulation of taurine and phosphoethanolamine release. Lehmann A. **Prog Clin Biol Res** 1990;351:337–47 (34 ref.)
Circadian rhythm of serotonin binding in rat brain. Wesemann W, et al. **Prog Neurobiol** 1990;35(6):405–28 (210 ref.)
Central serotonergic function in parasuicide. Coccaro EF, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(5):663–74 (72 ref.)
The neurochemistry of anxiety: an update. Nutt DJ, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(5):737–52 (67 ref.)
Localization and modulation of brain and pituitary receptors involved in stress responses. De Souza EB. **Psychopharmacol Bull** 1988;24(3):360–4 (25 ref.)
Status of the dopaminergic system in post–mortem brain in schizophrenia. Reynolds GP, et al. **Psychopharmacol Bull** 1988;24(3):345–7 (13 ref.)
Binding of some antidepressants to the 5–hydroxytryptamine transporter in brain and platelets. Marcusson JO, et al. **Psychopharmacology (Berl)** 1990;102(2):145–55 (132 ref.)
Platelet–activating factor. A putative mediator in central nervous system injury? Feuerstein G, et al. **Stroke** 1990 Nov;21(11 Suppl):III90–4 (33 ref.)
The cannabinoid receptor: biochemical, anatomical and behavioral characterization. Howlett AC, et al. **Trends Neurosci** 1990 Oct;13(10):420–3 (42 ref.)
In–vivo brain dialysis of neurotransmitters. Di Chiara G. **Trends Pharmacol Sci** 1990 Mar;11(3):116–21 (39 ref.)
Excitatory amino acid receptors in the brain: membrane binding and receptor autoradiographic approaches. Young AB, et al. **Trends Pharmacol Sci** 1990 Mar;11(3):126–33 (32 ref.)
[Modifications in neurotransmission in degenerative dementias] Maloteaux JM. **Acta Psychiatr Belg** 1989 May–Aug;89(3–4):186–93 (32 ref.) **(Fre)**
[Selective pharmacological changes of regional ascorbic acid metabolism in the brain] Miele M, et al. **Clin Ter** 1990 Sep 30;134(6):345–53 (33 ref.) (Eng. Abstr.) **(Ita)**
[Measurement of serotonin uptake site in the human brain using PET] Fukuda H, et al. **Nippon Rinsho** 1991 Jul; 49(7):1567–71 (15 ref.) **(Jpn)**
[Measurement of cerebral glucose metabolism using 11C–labeled glucose] Ishiwata K. **Nippon Rinsho** 1991 Jul; 49(7):1509–14 (22 ref.) **(Jpn)**
[Metabolism of fluorohexoses in brain] Kanazawa Y, et al. **Nippon Rinsho** 1991 Jul;49(7):1702–6 (11 ref.) **(Jpn)**
[A study on the role and mechanism of intracellular Ca^{2+} in the central nervous system] Miyamoto E. **Nippon Yakurigaku Zasshi** 1990 Oct;96(4):141–52 (78 ref.) (Eng. Abstr.) **(Jpn)**
[Current theories on biotransformation and metabolism of mercury] Moszczyński P, et al. **Postepy Hig Med Dosw** 1990;44(1–3):153–80 (125 ref.) (Eng. Abstr.) **(Pol)**
[Prospects for research on the modulation of gene activity during brain aging] Finch KE. **Fiziol Zh** 1990 Sep–Oct; 36(5):55–62 (39 ref.) (Eng. Abstr.) **(Rus)**
[Changes in the calcium transport systems of rat brain synaptosomes and their possible role in the pathophysiology of aging] Satrustegi D, et al. **Fiziol Zh** 1990 Sep–Oct;36(5):42–50 (41 ref.) (Eng. Abstr.) **(Rus)**
[Pathogenetic mechanisms of stress–induced aggravation of experimental influenza and its prevention] Frolov BA, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):50–4 (25 ref.) (Eng. Abstr.) **(Rus)**
[The role of lipid peroxidation in post–stress aggravation of influenza and the corrective effect od ionol] Inozemtseva LI, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):54–7 (17 ref.) (Eng. Abstr.) **(Rus)**
[Processes in the living brain can now be measured] Roland PE. **Lakartidningen** 1990 Dec 5;87(49):4205–8 (15 ref.) (Eng. Abstr.) **(Swe)**

MICROBIOLOGY

[Scrapie, still always a puzzling infection] Becht H. **Tierarztl Prax** 1991 Feb;19(1):48–51 (24 ref.) (Eng. Abstr.) **(Ger)**

PARASITOLOGY

Cerebral sparganosis: case report and review. Holodniy M, et al. **Rev Infect Dis** 1991 Jan–Feb;13(1):155–9 (39 ref.)

PATHOLOGY

Neuropathology of epilepsy. Dam AM. **Acta Neurochir Suppl (Wien)** 1990;50:20–5 (35 ref.)
Brain monoamines and their metabolites in dementia. Gottfries CG. **Acta Neurol Scand Suppl** 1990;129:8–11 (9 ref.)
Astrocytes in hepatic encephalopathy. Norenberg MD. **Adv Exp Med Biol** 1990;272:81–97 (98 ref.)
New developments in the pathology of Parkinson's disease. Jellinger K. **Adv Neurol** 1990;53:1–16 (71 ref.)
MR imaging of the brain in patients with diabetes insipidus. Tien R, et al. **AJNR Am J Neuroradiol** 1991 May–Jun; 12(3):533–42 (36 ref.)
Recent advances in MR imaging/spectroscopy of cerebral ischemia. Baker LL, et al. **AJR Am J Roentgenol** 1991 Jun; 156(6):1133–43 (89 ref.)
The pathological basis of multi–infarct dementia. Munoz DG. **Alzheimer Dis Assoc Disord** 1991 Summer;5(2):77–90 (52 ref.)
Neuropathology of Down syndrome and Alzheimer disease. Cork LC. **Am J Med Genet Suppl** 1990;7:282–6 (72 ref.)
Neurotoxicity of MDMA and related compounds: anatomic studies. Molliver ME, et al. **Ann N Y Acad Sci** 1990; 600:649–61; discussion 661–4 (64 ref.)
Vulnerability of the neuronal cytoskeleton in aging and Alzheimer disease: widespread involvement of all three major filament systems. Trojanowski JQ, et al. **Annu Rev Gerontol Geriatr** 1990;10:167–82 (59 ref.)
Schizophrenia: a neuropathological perspective. Roberts GW. **Br J Psychiatry** 1991 Jan;158:8–17 (80 ref.)
Magnetic resonance imaging and its applications in neuropsychiatry. Besson JA. **Br J Psychiatry Suppl** 1990; (9):25–37 (49 ref.)
Psychiatry and the new magnetic resonance era. Lock T, et al. **Br J Psychiatry Suppl** 1990;(9):38–55 (71 ref.)
Silicone oil–induced hydrocephalus in the rabbit. Del Bigio MR, et al. **Childs Nerv Syst** 1991 Apr;7(2):79–84 (38 ref.)
Leukoaraiosis: a reappraisal. II. MRI studies. Mascalchi M, et al. **Ital J Neurol Sci** 1991 Jun;12(3):271–9 (53 ref.)
Usefulness and significance of the concept of leukoaraiosis in the study of dementia. Sanguineti I, et al. **Ital J Neurol Sci** 1990 Oct;11(5):429–35 (46 ref.)
International tuberous sclerosis conference [editorial] Roach ES. **J Child Neurol** 1990 Oct;5(4):269–72 (38 ref.)
Non Alzheimer's disease forms of cerebral atrophy [editorial] Neary D. **J Neurol Neurosurg Psychiatry** 1990 Nov; 53(11):929–31 (32 ref.)
Third Dorothy S. Russell memorial lecture. Huntington's disease: some recent neuropathological studies. Richardson EP Jr. **Neuropathol Appl Neurobiol** 1990 Dec;16(6):451–60 (21 ref.)
Changes in cerebral white matter in a case of congenital muscular dystrophy (non–Fukuyama type). Tanaka J, et al. **Neuropediatrics** 1990 Nov;21(4):183–6 (16 ref.)
Dendritic and synaptic pathology in mental retardation. Huttenlocher PR. **Pediatr Neurol** 1991 Mar–Apr;7(2):79–85 (62 ref.)
Microscopic neuroanatomic abnormalities in autism. Bauman ML. **Pediatrics** 1991 May;87(5 Pt 2):791–6 (49 ref.)
Neuroanatomic imaging in autism. Courchesne E. **Pediatrics** 1991 May;87(5 Pt 2):781–90 (78 ref.)
Pathogenetic implications of neuropathological findings in the AIDS dementia complex. Brew BJ, et al. **Psychopharmacol Bull** 1988;24(3):307–10 (30 ref.)
Down syndrome and the trisomy 16 mouse: impact of gene imbalance on brain development and aging. Coyle JT, et al. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:85–99 (73 ref.)
Brain magnetic resonance imaging: approaches for investigating schizophrenia. Pfefferbaum A, et al. **Schizophr Bull** 1990;16(3):453–76 (63 ref.)
Neuroimaging studies of schizophrenia. Pfefferbaum A, et al. **Schizophr Res** 1991 Mar–Apr;4(2):193–208 (80 ref.)
The brain in schizophrenia. Hyde TM, et al. **Semin Neurol** 1990 Sep;10(3):276–86 (98 ref.)
Brain imaging in acquired immunodeficiency syndrome dementia complex. Kramer EL, et al. **Semin Nucl Med** 1990 Oct;20(4):353–63 (51 ref.)
Genesis and pathology of tumors of the nervous system. Johnson GC. **Semin Vet Med Surg (Small Anim)** 1990 Nov; 5(4):210–22 (66 ref.)
The role of magnetic resonance spectroscopy in neuro–oncology. Shores A, et al. **Semin Vet Med Surg (Small Anim)** 1990 Nov;5(4):237–40 (7 ref.)
Magnetic resonance angiography of the intracranial vasculature. Ruggieri PM, et al. **Top Magn Reson Imaging** 1991 Jun;3(3):23–33 (74 ref.)
Alzheimer plaques and tangles: advances on both fronts [news] Kosik KS. **Trends Neurosci** 1991 Jun;14(6):218–9 (34 ref.)
[Alzheimer's dementia and zinc] Constantinidis J. **Schweiz Arch Neurol Psychiatr** 1990;141(6):523–56 (120 ref.) (Eng. Abstr.) **(Fre)**
[Morphology of Alzheimer disease (published erratum appears in Fortschr Med 1991 Mar 20;109(8):186)] Braak H, et al. **Fortschr Med** 1990 Nov 20;108(33):621–4 (0 ref.) (Eng. Abstr.) **(Ger)**
[Diagnosis and significance of forensic neuropathological findings] Tatsuno Y. **Nippon Hoigaku Zasshi** 1990 Dec; 44(5–6):404–20 (28 ref.) (Eng. Abstr.) **(Jpn)**
[Amyloid (senile) plaques in Alzheimer's disease brain] Ishii T. **Nippon Rinsho** 1991 Apr;49(4):945–9 (20 ref.) **(Jpn)**
[Structural reorganization of the brain synaptic membranes and aging] Konev SV, et al. **Fiziol Zh** 1990 Sep–Oct; 36(5):36–42 (23 ref.) (Eng. Abstr.) **(Rus)**
[Alzheimer's disease] Groppa SA. **Zh Nevropatol Psikhiatr** 1990;90(9):105–12 (141 ref.) **(Rus)**
[The basic trends in the modern study of the structural reactions of the brain to oxygen starvation (a review)] Kvitnitskiĭ–Ryzhov IuN. **Zh Nevropatol Psikhiatr** 1991; 91(3):107–14 (127 ref.) **(Rus)**
[Dementia processes at an advanced age and changes in the subcortical substantia alba (leukoaerosis) (a review)] Medvedev AV, et al. **Zh Nevropatol Psikhiatr** 1991; 91(3):117–23 (106 ref.) **(Rus)**
[Present–day neurological anatomy of schizophrenia (review of foreign literature] Orlovskaia DD, et al. **Zh Nevropatol Psikhiatr** 1990;90(10):114–20 (82 ref.) **(Rus)**

PHYSIOLOGY

Cell adhesion molecules in brain. Bock E, et al. **Acta Histochem Suppl** 1990;38:19–25 (55 ref.)
Iron deficiency and the brain. Parks YA, et al. **Acta Paediatr Scand Suppl** 1989;361:71–7 (25 ref.)
Cholinergic neurons of the central nervous system: morphofunctional aspects. Bigl V, et al. **Acta Psychiatr Scand Suppl** 1991;366:7–13 (57 ref.)
Central cholinergic functioning and aging. Müller WE, et al. **Acta Psychiatr Scand Suppl** 1991;366:34–9 (39 ref.)
Vasopressin, the blood–brain barrier, and brain performance. Ermisch A, et al. **Adv Exp Med Biol** 1990;274:71–89 (75 ref.)
Effects of NH4+ on the function of the CNS. Raabe W. **Adv Exp Med Biol** 1990;272:99–120 (51 ref.)
The inverse problem in electroencephalography and magnetoencephalography. Balish M, et al. **Adv Neurol** 1990; 54:79–88 (47 ref.)
Localization of brain activity with electroencephalography. Nunez PL. **Adv Neurol** 1990;54:39–65 (63 ref.)
Principles of magnetoencephalography. Pizzella V, et al. **Adv Neurol** 1990;54:1–9 (11 ref.)
Localization of brain activity with magnetoencephalography. Romani GL, et al. **Adv Neurol** 1990;54:67–77 (19 ref.)
Comparison of electroencephalography and magnetoencephalography. Rose DF, et al. **Adv Neurol** 1990;54:33–7 (10 ref.)
The role of calcium regulation in brain aging: reexamination of a hypothesis [published erratum appears in Aging (Milano) 1989;1(2):II] Khachaturian ZS. **Aging (Milano)** 1989;1(1):17–34 (84 ref.)
Biological correlates of mental activity studied with PET. Volkow ND, et al. **Am J Psychiatry** 1991 Apr; 148(4):439–43 (41 ref.)
Neuropsychological testing for evaluation of brain aging. Derouesné C. **Ann Med Interne (Paris)** 1990;141 Suppl 1:27–30 (28 ref.)
Electrophysiology of the central serotonin system: receptor subtypes and transducer mechanisms. Aghajanian GK, et al. **Ann N Y Acad Sci** 1990;600:93–103; discussion 103 (68 ref.)
Plasticity of fetal and adult CNS serotonergic neurons: role of growth–regulatory factors. Azmitia EC, et al. **Ann N Y Acad Sci** 1990;600:343–63; discussion 363–5 (65 ref.)
Effects of steroid hormones on the serotonergic system. Biegon A. **Ann N Y Acad Sci** 1990;600:427–32; discussion 432–4 (43 ref.)
Neural and molecular bases of nonassociative and associative learning in Aplysia. Byrne JH, et al. **Ann N Y Acad Sci** 1991;627:124–49 (79 ref.)
Cellular electrophysiological actions of ethanol on mammalian neurons in brain slices. Carlen PL, et al. **Ann N Y Acad Sci** 1991;625:17–25 (31 ref.)
Morphology of central serotonin neurons. Brief review of quantified aspects of their distribution and ultrastructural relationships. Descarries L, et al. **Ann N Y Acad Sci** 1990; 600:81–92 (42 ref.)
5–HT1A receptors and 5–HT1A–mediated responses: effect of treatments that modify serotonergic neurotransmission. Frazer A, et al. **Ann N Y Acad Sci** 1990;600:460–74; discussion 474–5 (90 ref.)
Neurocognitive networks of the human brain. Gevins AS, et al. **Ann N Y Acad Sci** 1991;620:22–44 (25 ref.)
MDMA: historical perspectives. Gibb JW, et al. **Ann N Y Acad Sci** 1990;600:601–11; discussion 611–2 (37 ref.)
The central 5–HT1A receptors: pharmacological, biochemical, functional, and regulatory properties. Hamon M, et al. **Ann N Y Acad Sci** 1990;600:114–29; discussion 129–31 (64 ref.)
The 5–HT1C receptor. Hartig PR, et al. **Ann N Y Acad Sci** 1990;600:149–66; discussion 166–7 (71 ref.)
Neurophysiological and neurochemical studies of brain serotonergic neurons in behaving animals. Jacobs BL, et al. **Ann N Y Acad Sci** 1990;600:260–8; discussion 268–71 (30 ref.)
Cellular mechanisms of anesthesia. Krnjević K. **Ann N Y Acad Sci** 1991;625:1–16 (55 ref.)
For some times, less is more: Part III. Overview, with further examples and strategies. LeFever FF. **Ann N Y Acad Sci** 1991;620:175–90 (52 ref.)
Serotonin and suicidal behavior. Mann JJ, et al. **Ann N Y Acad Sci** 1990;600:476–84; discussion 484–5 (43 ref.)
The 5–HT1B receptors. Middlemiss DN, et al. **Ann N Y Acad Sci** 1990;600:132–47; discussion 347–48 (85 ref.)
Serotonin regulation of circadian rhythmicity. Morin LP, et al. **Ann N Y Acad Sci** 1990;600:418–26 (40 ref.)
Peripheral indices of central serotonin function in humans. Murphy DL. **Ann N Y Acad Sci** 1990;600:282–95; discussion

295–6 (108 ref.)
Allosteric actions of central nervous system depressants including anesthetics on subtypes of the inhibitory gamma-aminobutyric acidA receptor-chloride channel complex. Olsen RW, et al. **Ann N Y Acad Sci** 1991; 625:145–54 (72 ref.)
Distribution of serotonin receptors. Palacios JM, et al. **Ann N Y Acad Sci** 1990;600:36–52 (40 ref.)
Applications of magnetoencephalography to the study of cognition. Papanicolaou AC, et al. **Ann N Y Acad Sci** 1991; 620:118–27 (32 ref.)
Serotonin receptor "families" in the central nervous system: an overview. Peroutka SJ, et al. **Ann N Y Acad Sci** 1990; 600:104–12; discussion 113 (37 ref.)
Calcium involvement in anesthetic blockade of synaptic transmission. Puil E, et al. **Ann N Y Acad Sci** 1991; 625:82–90 (42 ref.)
Operation of presynaptic alpha 2-adrenoceptors in vivo in the rat brain. Scatton B. **Ann N Y Acad Sci** 1990;604:514–27 (37 ref.)
Ependymin, a brain extracellular glycoprotein, and CNS plasticity. Shashoua VE. **Ann N Y Acad Sci** 1991; 627:94–114 (76 ref.)
History of serotonin and serotinin disorders. Sjoerdsma A, et al. **Ann N Y Acad Sci** 1990;600:1–7; discussion 7–8 (27 ref.)
Selective effects of sedative/hypnotic drugs on excitatory amino acid receptors in brain. Tabakoff B, et al. **Ann N Y Acad Sci** 1991;625:488–95 (47 ref.)
5-HT3 receptors. Tyers MB. **Ann N Y Acad Sci** 1990; 600:194–202; discussion 202–5 (83 ref.)
Experience-dependent formation of binocular maps in frogs. Possible involvement of N-methyl-D-aspartate receptors. Udin SB, et al. **Ann N Y Acad Sci** 1991;627:26–41 (50 ref.)
Molecular models of anesthetic action on sodium channels, including those from human brain. Urban BW, et al. **Ann N Y Acad Sci** 1991;625:327–43 (40 ref.)
Serotonergic control of cerebral activity and behavior: models of dementia. Vanderwolf CH, et al. **Ann N Y Acad Sci** 1990;600:366–82; discussion 382–3 (66 ref.)
Autonomic activity. Venables PH. **Ann N Y Acad Sci** 1991; 620:191–207 (56 ref.)
Serotonin and sleep-wakefulness. Wauquier A, et al. **Ann N Y Acad Sci** 1990;600:447–58; discussion 458–9 (95 ref.)
Neural release of ATP and adenosine. White TD, et al. **Ann N Y Acad Sci** 1990;603:287–98; discussion 298–9 (66 ref.)
Fundamentals and applications of quantified electrophysiology. Zappulla RA. **Ann N Y Acad Sci** 1991; 620:1–21 (62 ref.)
The brain and higher mental function. Smith GC. **Aust N Z J Psychiatry** 1991 Jun;25(2):215–30 (82 ref.)
Cross-modal performance: behavioural processes, phylogenetic considerations and neural mechanisms. Ettlinger G, et al. **Behav Brain Res** 1990 Nov 30; 40(3):169–92 (111 ref.)
Cholinergic-dopaminergic interactions in cognitive performance. Levin ED, et al. **Behav Neural Biol** 1990 Nov; 54(3):271–99 (200 ref.)
Antibodies to receptors by an auto-anti-idiotypic strategy. Erlanger BF. **Biochem Soc Trans** 1991 Feb;19(1):138–43 (30 ref.)
Heterogeneity of GABAA-benzodiazepine receptors. Sieghart W. **Biochem Soc Trans** 1991 Feb;19(1):129–32 (19 ref.)
Peptidergic vasodilator nerves in the peripheral circulation and in the vascular beds of the heart and brain. Owman C. **Blood Vessels** 1990;27(2-5):73–93 (148 ref.)
The molecular evolution of neuropeptides: prospects for the 90s. Dores RM, et al. **Brain Behav Evol** 1990;36(2-3):80–99 (111 ref.)
Regulation and genetic control of brain amyloid. FESN Study Group. Gajdusek DC, et al. **Brain Res Brain Res Rev** 1991 Jan-Apr;16(1):83–114 (181 ref.)
Quantified neurophysiology with mapping: statistical inference, exploratory and confirmatory data analysis. Duffy FH, et al. **Brain Topogr** 1990 Fall;3(1):3–12 (57 ref.)
Beyond topographic mapping: towards functional-anatomical imaging with 124-channel EEGs and 3-D MRIs. Gevins A, et al. **Brain Topogr** 1990 Fall; 3(1):53–64 (28 ref.)
Past, present and future of topographic mapping. Lehmann D. **Brain Topogr** 1990 Fall;3(1):191–202 (29 ref.)
On the controversies about clinical use of EEG brain mapping. Nuwer MR. **Brain Topogr** 1990 Fall;3(1):103–11 (28 ref.)
Advances in neuromagnetic topography and source localization. Romani GL. **Brain Topogr** 1990 Fall; 3(1):95–102 (29 ref.)
Global field power and topographic similarity. Skrandies W. **Brain Topogr** 1990 Fall;3(1):137–41 (13 ref.)
Evolution of neuromagnetic topographic mapping. Williamson SJ, et al. **Brain Topogr** 1990 Fall;3(1):113–27 (63 ref.)
Blinking. Karson CN. **Bull Soc Belge Ophtalmol** 1989; 237:443–57 (69 ref.)
Brain-stimulation reward: a review. Milner PM. **Can J Psychol** 1991 Mar;45(1):1–36 (220 ref.)
Effect of nicotine on dynamic function of brain catecholamine neurons. Svensson TH, et al. **Ciba Found Symp** 1990;152:169–80; discussion 180–5 (53 ref.)
The neurophysiological regulation of growth hormone secretion. Buonomo FC, et al. **Domest Anim Endocrinol** 1990 Oct;7(4):435–50 (144 ref.)
Neural mechanisms underlying brain waves: from neural membranes to networks. Lopes da Silva F. **Electroencephalogr Clin Neurophysiol** 1991 Aug;79(2):81–93 (101 ref.)
Report of IFCN Committee on Basic Mechanisms. Basic mechanisms of cerebral rhythmic activities. Steriade M, et al. **Electroencephalogr Clin Neurophysiol** 1990 Dec; 76(6):481–508 (165 ref.)
Magnetic evoked fields of the human brain: basic principles and applications. Hari R. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:3–12 (43 ref.)
The central control and ontogeny of circadian rhythmicity. Rietveld WJ. **Eur J Morphol** 1990;28(2-4):301–7 (23 ref.)
Voltage-gated K+ channels of the mammalian brain. Rehm H, et al. **FASEB J** 1991 Feb;5(2):164–70 (63 ref.)
Tryptamine may couple dopaminergic and serotonergic transmission in the brain. Juorio AV, et al. **Gen Pharmacol** 1990;21(5):613–6 (49 ref.)
Pre- and post-synaptic cholinergic dysfunction in aged rodent brain regions: new findings and an interpretative review. Sherman KA, et al. **Int J Dev Neurosci** 1990; 8(6):689–708 (140 ref.)
Association brain systems as apparatus of behavior control involving dominanta and conditioning. Batuev AS. **Int J Neurosci** 1990 Oct;54(3-4):183–90 (45 ref.)
The cerebral hemispheres and bilateral neural nets. Cook ND, et al. **Int J Neurosci** 1990 Jun;52(3-4):201–10 (21 ref.)
Toward a model to explain infant preferences by cerebral emotional asymmetry and hemisphere priming. Drake RA, et al. **Int J Neurosci** 1990 Jan;50(1-2):29–35 (66 ref.)
The brain: a dynamic system tending toward homeostasis. Leisman D. **Int J Neurosci** 1990 Sep;54(1-2):119–24 (7 ref.)
Neuropsychological systems deficits and the isomorphism of control. Leisman G. **Int J Neurosci** 1990 Sep;54(1-2):35–40 (12 ref.)
Basic mechanisms and pathways of neuroimmunomodulation (NIM): triggers (and problems for future research). Spector NH. **Int J Neurosci** 1990 Apr;51(3-4):335–7 (4 ref.)
A re-assessment of the regulation of adiposity and appetite by the brain insulin system. Woods SC, et al. **Int J Obes** 1990;14 Suppl 3:69–73; discussion 74–6 (34 ref.)
Dynamic brain mapping methodology and application. Itil TM, et al. **Int J Psychophysiol** 1991 Jan;10(3):281–91 (42 ref.)
New noninvasive techniques for assessing brain oxygenation and hemodynamics. Reynolds EO. **Int J Technol Assess Health Care** 1991;7 Suppl 1:125–7 (22 ref.)
The imaging of brain function. Positron emission tomography, single-photon emission computed tomography, and some prospects for magnetic resonance. Potchen EJ, et al. **Invest Radiol** 1991 Mar;26(3):258–65 (67 ref.)
A critical review of physiological and clinical aspects of movement related brain macropotentials in humans. Chiarenza GA. **Ital J Neurol Sci** 1991 Feb;12(1):17–30 (75 ref.)
Mental, neuropsychic, and brain patterns of defense. Neuropsychic defense continua from psychopathology to the particularly human parallel networks that are problematic for artificial intelligence. Forrest DV. **J Am Acad Psychoanal** 1991 Spring;19(1):99–123 (57 ref.)
Avian brain cooling—a review. Arad Z. **J Basic Clin Physiol Pharmacol** 1990 Jan-Dec; 1(1-4):241–54 (34 ref.)
Angiotensin-[1-7]: evidence for novel actions in the brain. Schiavone MT, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 4:S19–24 (36 ref.)
The neuroanatomy and neurophysiology of attention. Colby CL. **J Child Neurol** 1991;6 Suppl:S90–118 (301 ref.)
On brain's magnetic responses to sensory stimuli. Hari R. **J Clin Neurophysiol** 1991 Apr;8(2):157–69 (33 ref.)
Measuring the activity of brain adrenergic receptors in man. al-Damluji S. **J Endocrinol Invest** 1991 Mar;14(3):245–54 (90 ref.)
Morphological plasticity of postsynaptic neurones in reactive synaptogenesis. Hamori J. **J Exp Biol** 1990 Oct;153:251–60 (53 ref.)
Synapse formation in the adult brain after lesions and after transplantation of embryonic tissue. Raisman G, et al. **J Exp Biol** 1990 Oct;153:277–87 (23 ref.)
Uncultured lobster muscle, cultured neurons and brain slices: the neurophysiology of zinc. Smart TG. **J Pharm Pharmacol** 1990 Jun;42(6):377–87 (68 ref.)
Neurosteroids: a new brain function? Baulieu EE, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):395–403 (32 ref.)
Corticosteroids and the brain. de Kloet ER, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):387–94 (74 ref.)
Steroid hormones as mediators of neural plasticity. McEwen BS, et al. **J Steroid Biochem Mol Biol** 1991 Aug; 39(2):223–32 (64 ref.)
The electrophysiological actions of neurotensin in the central nervous system. Stowe ZN, et al. **Life Sci** 1991; 49(14):987–1002 (136 ref.)
Cholinergic mechanisms in aggressive behaviour. Allikmets LH. **Med Biol** 1974 Feb;52(1):19–30 (75 ref.)
A brain mechanism for attention. Sieb RA. **Med Hypotheses** 1990 Nov;33(3):145–53 (32 ref.)
Intracerebral grafting: a tool for the neurobiologist. Gage FH, et al. **Neuron** 1991 Jan;6(1):1–12 (80 ref.)
Mechanisms of complex transcriptional regulation: implications for brain development. He X, et al. **Neuron** 1991 Aug;7(2):183–96 (220 ref.)
Deep brain stimulation in the treatment of chronic pain in man: where and why? Gybels J, et al. **Neurophysiol Clin** 1990 Nov;20(5):389–98 (32 ref.)
The Di Mascio Lecture. The allosteric modulation of GABAA receptors. Seventeen years of research. Costa E. **Neuropsychopharmacology** 1991 Jun;4(4):225–35 (85 ref.)
Pharmacologic significance of the structural heterogeneity of the GABAA receptor-chloride ion channel complex. Vicini S. **Neuropsychopharmacology** 1991 Jan;4(1):9–15 (36 ref.)
The neural mechanism of declarative memory consolidation and retrieval: a hypothesis. Cai ZJ. **Neurosci Biobehav Rev** 1990 Fall;14(3):295–304 (114 ref.)
Behavioral effects of 5-HT receptor ligands in the aversive brain stimulation, elevated plus-maze and learned helplessness tests. Graeff FG, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):501–6 (49 ref.)
Role of genotype in the adaptation of the brain dopamine system to stress. Puglisi-Allegra S, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):523–8 (42 ref.)
Pharmacological and anatomical analysis of fear conditioning. Davis M. **NIDA Res Monogr** 1990;97:126–62 (120 ref.)
Enkephalin influences on behavioral and neural plasticity: mechanisms of action. Martinez JL Jr, et al. **NIDA Res Monogr** 1990;97:48–78 (130 ref.)
Deep brain stimulation: a review of basic research and clinical studies. Duncan GH, et al. **Pain** 1991 Apr;45(1):49–59 (121 ref.)
Central alpha-2 adrenoceptors regulate central and peripheral functions. Fornai F, et al. **Pharmacol Res** 1990 Sep-Oct;22(5):541–54 (69 ref.)
Brain somatostatin: receptor-coupled transducing mechanisms and role in cognitive functions. Schettini G. **Pharmacol Res** 1991 Apr;23(3):203–15 (61 ref.)
Neural bases of recognition memory investigated through an analysis of imprinting. Horn G. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29; 329(1253):133–42 (93 ref.)
Food-storing birds: adaptive specialization in brain and behaviour? Krebs JR. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29;329(1253):153–60 (36 ref.)
Song learning in birds: the relation between perception and production. Nottebohm F, et al. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29; 329(1253):115–24 (90 ref.)
Multiple cholecystokinin (CCK) receptors and CCK-monoamine interactions are instrumental in the control of feeding. Cooper SJ, et al. **Physiol Behav** 1990 Dec;48(6):849–57 (78 ref.)
On the waterfront: predictive and reactive regulatory descriptions of thirst and sodium appetite. Rowland NE. **Physiol Behav** 1990 Dec;48(6):899–903 (29 ref.)
Central and peripheral control of sympathoadrenal activity and energy metabolism in rats. Scheurink AJ, et al. **Physiol Behav** 1990 Dec;48(6):909–20 (102 ref.)
Functional aspects of acetylcholine-galanin coexistence in the brain. Consolo S, et al. **Prog Brain Res** 1990;84:279–87 (42 ref.)
Injury and repair of central cholinergic neurons. Cuello AC, et al. **Prog Brain Res** 1990;84:301–11 (84 ref.)
AF64A-induced cholinergic hypofunction. Hanin I. **Prog Brain Res** 1990;84:289–99 (92 ref.)
Human brain cholinergic pathways. Mesulam MM. **Prog Brain Res** 1990;84:231–41 (33 ref.)
New approaches to clinical and postmortem investigations of cholinergic mechanisms. Nordberg A, et al. **Prog Brain Res** 1990;84:313–20 (46 ref.)
Future prospects of research on central cholinergic mechanisms. Nordberg A, et al. **Prog Brain Res** 1990; 84:415–8 (0 ref.)
Principal aspects of the regulation of acetylcholine release in the brain. Pepeu G, et al. **Prog Brain Res** 1990;84:273–8 (46 ref.)
The synthesis of acetylcholine: twenty years of progress. Tuček S. **Prog Brain Res** 1990;84:467–77 (137 ref.)
Neuronal discharge hypersynchrony and the intracranial water balance in relation to glutamic acid and taurine redistribution: migraine and epilepsy. van Gelder NM. **Prog Clin Biol Res** 1990;351:1–20 (83 ref.)
Role of neurotransmitters in the central regulation of the cardiovascular system. McCall RB. **Prog Drug Res** 1990; 35:25–84 (285 ref.)
Central neural regulation of heart and blood vessels in mammals. Calaresu FR, et al. **Prog Neurobiol** 1975; 5(1):1–35 (216 ref.)
A review of some theoretical models of the brain. Willis JB. **Prog Neurobiol** 1975;5(2):245–70 (18 ref.)
The behavioral neurobiology of self-injurious behavior in rhesus monkeys. Kraemer GW, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990;14 Suppl:S141–68 (74 ref.)

A clinical perspective on microdialysis. Pickar D. **Prog Neuropsychopharmacol Biol Psychiatry** 1990;14 Suppl:S59–62 (14 ref.)

Neurobehavioral studies of forced swimming: the role of learning and memory in the forced swim test. West AP. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(6):863–77 (35 ref.)

Neuroscience, modularity and personality theory: conceptual foundations of a model of complex human functioning. Grigsby J, et al. **Psychiatry** 1991 Feb;54(1):21–38 (90 ref.)

Reality testing, the self and the brain as modular distributed systems. Grigsby J, et al. **Psychiatry** 1991 Feb;54(1):39–54 (70 ref.)

Functional effects of neural grafting in the mammalian central nervous system. Kimble DP. **Psychol Bull** 1990 Nov; 108(3):462–79 (180 ref.)

Neural substrates of latent inhibition: the switching model. Weiner I. **Psychol Bull** 1990 Nov;108(3):442–61 (250 ref.)

The brain a geometry engine. Koenderink JJ. **Psychol Res** 1990;52(2–3):122–7 (45 ref.)

Self-organizing maps for internal representations. Ritter H. **Psychol Res** 1990;52(2–3):128–36 (37 ref.)

Serotonin, memory, and the aging brain. McEntee WJ, et al. **Psychopharmacology (Berl)** 1991;103(2):143–9 (85 ref.)

Brain regions involved in voluntary movements as revealed by radioisotopic mapping of CBF or CMR-glucose changes. Lassen NA, et al. **Rev Neurol (Paris)** 1990; 146(10):620–5 (32 ref.)

The medial temporal lobe memory system. Squire LR, et al. **Science** 1991 Sep 20;253(5026):1380–6 (61 ref.)

Velocity quantification in magnetic resonance imaging. Haacke EM, et al. **Top Magn Reson Imaging** 1991 Jun; 3(3):34–49 (115 ref.)

Nitric oxide (NO): a versatile second messenger in brain. Crossin KL. **Trends Biochem Sci** 1991 Mar;16(3):81–2 (22 ref.)

How do retinal axons find their targets in the developing brain? Hankin M, et al. **Trends Neurosci** 1991 Jun; 14(6):224–8 (74 ref.)

Keeping cool: a hypothesis about the mechanisms and functions of slow-wave sleep. McGinty D, et al. **Trends Neurosci** 1990 Dec;13(12):480–7 (58 ref.)

The self and its brain. McClelland RJ. **Ulster Med J** 1990 Oct;59(2):110–8 (17 ref.)

Eicosanoids and the central nervous system. Galli C, et al. **Ups J Med Sci Suppl** 1990;48:133–44 (28 ref.)

[Paradoxical sleep: is it the guardian of psychological individualism] Jouvet M. **Can J Psychol** 1991 Jun; 45(2):148–68 (88 ref.) (Eng. Abstr.) **(Fre)**

[The effect of mechanical ventilation on the brain] Pfenninger E. **Klin Anasthesiol Intensivther** 1991;39:379–91 (31 ref.) **(Ger)**

[Sense organs: selective projections and control of behaviors] Burkhardt D. **Naturwissenschaften** 1991 Jan;78(1):7–15 (61 ref.) (Eng. Abstr.) **(Ger)**

[Central regulation of gastrointestinal motility and secretion] Lenz HJ. **Z Gastroenterol** 1991 Apr;29 Suppl 3:5–9 (54 ref.) (Eng. Abstr.) **(Ger)**

[Central nervous system regulation of gastric acid and duodenal bicarbonate secretion] Lenz HJ. **Z Gastroenterol Verh** 1991 Mar;26:236–40 (62 ref.) **(Ger)**

[Central nervous system regulation of exocrine pancreas secretion] Singer MV. **Z Gastroenterol Verh** 1991 Mar; 26:241–3 (34 ref.) **(Ger)**

[Brain mechanisms of control and adaptation: the integrative cholinergic pathway of neural, endocrine and psychic activity] Finkelstein Y, et al. **Harefuah** 1991 Feb 15; 120(4):208–12 (45 ref.) **(Heb)**

[Thyroid hormones and the development of the nervous system] Mussa GC, et al. **Minerva Pediatr** 1990 Sep; 42(9):321–9 (26 ref.) (Eng. Abstr.) **(Ita)**

[Synaptic mechanisms of excitatory amino acids and NMDA receptor mediated brain excitability] Yamamura T, et al. **Masui** 1990 Nov;39(11):1448–59 (39 ref.) (Eng. Abstr.) **(Jpn)**

[Technological progress in visualization of functional aspects of brain] Arimizu N. **Nippon Rinsho** 1991 Jul;49(7):1457–61 (9 ref.) **(Jpn)**

[An introduction: diagnostic imaging and brain function] Inoue O, et al. **Nippon Rinsho** 1991 Jul;49(7):1462–6 (6 ref.) **(Jpn)**

[Extra-hormonal aspects of the central action of thyroliberin (TRH)] Przegaliński E. **Acta Physiol Pol** 1989;40 Suppl 34:115–26 (39 ref.) **(Pol)**

[Afferentation as the leading factor in the evolutionary ontogenetic organization of the brain] Bogdanov OV. **Fiziol Zh SSSR** 1990 Dec;76(12):1659–68 (55 ref.) **(Rus)**

[Current problems in the knowledge of the central mechanisms of respiratory regulation] Breslav IS. **Fiziol Zh SSSR** 1990 May;76(5):561–70 (90 ref.) **(Rus)**

[The problem of human functional states from the position of the dialectical unity of the waveform processes of the brain, body and environment] Iliukhina VA. **Fiziol Zh SSSR** 1990 Dec;76(12):1720–9 (33 ref.) **(Rus)**

[ACTH as a neuropeptide. The functional role of ACTH in the brain] Glebov RN, et al. **Patol Fiziol Eksp Ter** 1990 Jul–Aug;(4):54–7 (19 ref.) **(Rus)**

[Serotonin receptors of the central neurons. The correlations of radioligand, biochemical and electrophysiological research] Abramets II. **Usp Fiziol Nauk** 1991 Apr–Jun; 22(2):124–33 (57 ref.) **(Rus)**

[Electrical stimulation of the brain as a signal in goal-directed behavior] Grigor'ian GA. **Usp Fiziol Nauk** 1991 Jan–Feb; 22(1):40–56 (130 ref.) **(Rus)**

[The brain mediator systems and the mechanisms of the formation of extinction inhibition] Shugalev NP. **Usp Fiziol Nauk** 1990 Jul–Sep;21(3):59–78 (223 ref.) **(Rus)**

[Current problems in the study of the structural-functional organization of the acoustic-speech system of the brain] Vartanian IA. **Usp Fiziol Nauk** 1991 Apr–Jun;22(2):19–32 (76 ref.) **(Rus)**

[The vocalization and speech systems of the brain: an evolutionary neurobiological analysis] Vartanian IA, et al. **Zh Evol Biokhim Fiziol** 1990 Nov–Dec;26(6):826–36 (43 ref.) **(Rus)**

[Human brain reflexes: from stimulus to recognition and from decision to action] Ivanitskiĭ AM. **Zh Vyssh Nerv Deiat** 1990 Sep–Oct;40(5):835–41 (14 ref.) (Eng. Abstr.) **(Rus)**

[Latent foci of excitation and the unpredictability of behavioral reactions] Pavlygina RA. **Zh Vyssh Nerv Deiat** 1990 Nov–Dec;40(6):1080–8 (22 ref.) (Eng. Abstr.) **(Rus)**

[The principles of intercentral interaction--variants of disorders and the methods of restoration] Popova NS, et al. **Zh Vyssh Nerv Deiat** 1991 Jan–Feb;41(1):9–31 (97 ref.) **(Rus)**

[Functional cerebral lateralization: neurobiology and clinical aspects in childhood] Narbona García J. **Rev Med Univ Navarra** 1989 Apr–Jun;33(2):89–99 (128 ref.) (Eng. Abstr.) **(Spa)**

[Central nervous system control for maximal alertness in danger] Folkow B. **Lakartidningen** 1990 Dec 19; 87(51–52):4424–8 (13 ref.) (Eng. Abstr.) **(Swe)**

[Functional development of the brain in the fetus and the infant] Lagercrantz H, et al. **Lakartidningen** 1991 May 15; 88(20):1880–5 (15 ref.) (Eng. Abstr.) **(Swe)**

PHYSIOPATHOLOGY

Neuropeptide Y: an overview of central distribution, functional aspects, and possible involvement in neuropsychiatric illnesses. Heilig M, et al. **Acta Psychiatr Scand** 1990 Aug;82(2):95–114 (265 ref.)

Cerebral function in hepatic encephalopathy. Hawkins RA, et al. **Adv Exp Med Biol** 1990;272:1–22 (98 ref.)

Neurobiological evidence for epilepsy-induced interictal disturbances. Engel J Jr, et al. **Adv Neurol** 1991;55:97–111 (136 ref.)

Neurobiological substrates of ictal behavioral changes. Gloor P. **Adv Neurol** 1991;55:1–34 (92 ref.)

Psychoneuroimmunology: a literature review. Vollhardt LT. **Am J Orthopsychiatry** 1991 Jan;61(1):35–47 (55 ref.)

Quantitative electroencephalography and anatomoclinical principles of aphasia. A validation study. Finitzo T, et al. **Ann N Y Acad Sci** 1991;620:57–72 (21 ref.)

A novel biochemical model linking dysfunctions in brain melatonin, proopiomelanocortin peptides, and serotonin in autism. Chamberlain RS, et al. **Biol Psychiatry** 1990 Nov 1;28(9):773–93 (150 ref.)

Eating disorders and depression: is there a serotonin connection? Jimerson DC, et al. **Biol Psychiatry** 1990 Sep 1;28(5):443–54 (100 ref.)

Neuropsychology. Costello A. **Br J Psychiatry** 1990 Sep; 157:461–3 (32 ref.)

Monoamines and abnormal behaviour. A multi-aminergic perspective. van Praag HM, et al. **Br J Psychiatry** 1990 Nov;157:723–34 (110 ref.)

Experiential phenomena of temporal lobe epilepsy. Facts and hypotheses. Gloor P. **Brain** 1990 Dec;113 (Pt 6):1673–94 (82 ref.)

A century of cerebral achromatopsia. Zeki S. **Brain** 1990 Dec;113 (Pt 6):1721–77 (163 ref.)

Adaptive changes in the developing brain during intrauterine stress. Amiel-Tison C, et al. **Brain Dev** 1991;13(2):67–76 (94 ref.)

Dementia: animal models of the cognitive impairments following damage to the basal forebrain cholinergic system. Olton DS. **Brain Res Bull** 1990 Sep;25(3):499–502 (23 ref.)

Brain protection: physiological and pharmacological considerations. Part I: The physiology of brain injury. Murdoch J, et al. **Can J Anaesth** 1990 Sep;37(6):663–71 (98 ref.)

The brain in shock. Secondary disturbances of cerebral function. Baethmann A, et al. **Chest** 1991 Sep;100(3 Suppl):205S–208S (38 ref.)

Does tight glucose control enhance brain sensitivity to low glucose? [editorial] Herold KC, et al. **Diabetes Care** 1991 Feb;14(2):141–3 (17 ref.)

Lead poisoning and brain cell function. Goldstein GW. **Environ Health Perspect** 1990 Nov;89:91–4 (28 ref.)

Glutamate in the mammalian CNS. Sahai S. **Eur Arch Psychiatry Clin Neurosci** 1990;240(2):121–33 (140 ref.)

Iron in brain function and dysfunction with emphasis on Parkinson's disease. Youdim MB, et al. **Eur Neurol** 1991; 31 Suppl 1:34–40 (45 ref.)

The neural substrates of drug addiction and dependence. Pulvirenti L, et al. **Funct Neurol** 1990 Apr–Jun;5(2):109–19 (75 ref.)

Neurobiology of schizophrenic syndromes [see comments] Garza-Treviño ES, et al. **Hosp Community Psychiatry** 1990 Sep;41(9):971–80 (101 ref.) Comment in: Hosp Community Psychiatry 1991 Apr;42(4):429.

Do primary dysfunctions in neural control of arterial pressure contribute to hypertension? Ferrario CM, et al. **Hypertension** 1991 Sep;18(3 Suppl):I38–51 (182 ref.)

Statistical aspects of neurophysiologic topography. Abt K. **J Clin Neurophysiol** 1990 Oct;7(4):519–34 (12 ref.)

Visual information processing of computed topographic electrical activity brain maps. Klymenko V, et al. **J Clin Neurophysiol** 1990 Oct;7(4):484–97 (51 ref.)

A critical review of clinical applications of topographic mapping of brain potentials. Lopes da Silva FH. **J Clin Neurophysiol** 1990 Oct;7(4):535–51 (53 ref.)

Adequacy of the International 10–20 electrode system for computed neurophysiologic topography. Myslobodsky MS, et al. **J Clin Neurophysiol** 1990 Oct;7(4):507–18 (52 ref.)

The development of EEG brain mapping. Nuwer MR. **J Clin Neurophysiol** 1990 Oct;7(4):459–71 (48 ref.)

Precautions in topographic mapping and in evoked potential map reading. Perrin F, et al. **J Clin Neurophysiol** 1990 Oct; 7(4):498–506 (25 ref.)

Neurobiological and cultural aspects of facial asymmetry. van Gelder RS, et al. **J Commun Disord** 1990 Aug–Oct; 23(4–5):273–86 (20 ref.)

The brain in schizophrenia. Ron MA, et al. **J Neurol Neurosurg Psychiatry** 1990 Sep;53(9):725–6 (40 ref.)

Seizure and acute osmotic change: clinical and neurophysiological aspects. Andrew RD. **J Neurol Sci** 1991 Jan;101(1):7–18 (77 ref.)

Biochemical aspects of bulimia nervosa. Goldbloom DS, et al. **J Psychosom Res** 1991;35 Suppl 1:11–22 (92 ref.)

Magnetoencephalography and epilepsy research. Sato S. **Jpn J Psychiatry Neurol** 1990 Jun;44(2):241–9 (42 ref.)

Current conceptualizations of psychiatric illnesses as neurological disorders. Silverstein ML. **Mol Chem Neuropathol** 1990 Mar;12(2):131–42 (60 ref.)

Moving ahead yet falling behind. A critical appraisal of some trends in contemporary depression research. van Praag HM. **Neuropsychobiology** 1989;22(4):181–93 (48 ref.)

Risk assessment: the insidious nature of neurotoxicity and the aging brain. Weiss B. **Neurotoxicology** 1990 Summer; 11(2):305–13 (30 ref.)

Excitatory amino acids in the developing brain: ontogeny, plasticity, and excitotoxicity. Hattori H, et al. **Pediatr Neurol** 1990 Jul–Aug;6(4):219–28 (100 ref.)

Neurometric studies of aging and cognitive impairment. John ER, et al. **Prog Brain Res** 1990;85:555–65 (7 ref.)

Brain nervous mechanisms involved in the so-called extra pyramidal motor and psychomotor disturbances. Poirier L, et al. **Prog Neurobiol** 1975;5(2):197–243 (337 ref.)

The role of gamma-aminobutyric acid in the mechanism of seizures. Wood JD. **Prog Neurobiol** 1975;5(1):77–95 (62 ref.)

Serotonergic dysfunction and aggression control [editorial] Van Praag HM. **Psychol Med** 1991 Feb;21(1):15–9 (39 ref.)

Psychophysiology at the interface of clinical science, cognitive science, and neuroscience. Dawson ME. **Psychophysiology** 1990 May;27(3):243–55 (55 ref.)

Labat lecture. Phantom limbs. Melzack R. **Reg Anesth** 1989 Sep–Oct;14(5):208–11 (18 ref.)

Neurobehavioral studies in schizophrenia: implications for regional brain dysfunction. Gur RE, et al. **Schizophr Bull** 1990;16(3):445–51 (45 ref.)

Evidence for reduced and dysregulated turnover of dopamine in schizophrenia. Heritch AJ. **Schizophr Bull** 1990; 16(4):605–15 (65 ref.)

Event-related potentials in schizophrenia: their biological and clinical correlates and a new model of schizophrenic pathophysiology. McCarley RW, et al. **Schizophr Res** 1991 Mar–Apr;4(2):209–31 (110 ref.)

Transhemispheric diaschisis. A review and comment. Andrews RJ. **Stroke** 1991 Jul;22(7):943–9 (76 ref.)

Central nervous system monitoring. What helps, what does not. Unwin DH, et al. **Surg Clin North Am** 1991 Aug; 71(4):733–47 (45 ref.)

[Can neurologic lesions explain memory disorders of the elderly?] Hauw JJ, et al. **Ann Med Interne (Paris)** 1990;141 Suppl 1:7–12 (48 ref.) (Eng. Abstr.) **(Fre)**

[Noradrenaline and cerebral aging] Jouvet M, et al. **Encephale** 1991 May–Jun;17(3):187–95 (68 ref.) (Eng. Abstr.) **(Fre)**

[Significance of EEG findings in pavor nocturnus] Fehlow P. **Kinderarztl Prax** 1990 Nov;58(11):561–5 (21 ref.) (Eng. Abstr.) **(Ger)**

[The central nervous system, stress and motility of the gastrointestinal tract] Erckenbrecht JF. **Z Gastroenterol Verh** 1991 Mar;26:248–52 (36 ref.) **(Ger)**

[Central nervous system regulation of the endocrine pancreas] Siegel EG. **Z Gastroenterol Verh** 1991 Mar; 26:244–7 (30 ref.) **(Ger)**

[Inter- and intrahemispheric dysfunction in schizophrenia] Ben-Artzi E, et al. **Harefuah** 1991 Jan 1;120(1):34–7 (22 ref.) **(Heb)**

[Brain neuropeptides and age-related pathology] Burchinskiĭ SG. **Klin Med (Mosk)** 1991 May;69(5):23–9 (58 ref.) **(Rus)**

[Brain bioelectricity. Considerations on its study in psychiatry] Lolas F. **Acta Psiquiatr Psicol Am Lat** 1990 Jan–Jun;36(1–2):53–8 (16 ref.) (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Ionising radiation and the developing human brain. Schull WJ. **Ann ICRP** 1991;22(1):95–118 (56 ref.)

The influence of volume on the tolerance of the brain to radiosurgery. Marks LB, et al. **J Neurosurg** 1991 Aug;

75(2):177–80 (15 ref.)
[The experimental and clinical aspects of the action of electromagnetic fields on the endocrine glands and brain] Bogoliubov VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1990 May–Jun; (3):58–66 (90 ref.) **(Rus)**

RADIOGRAPHY

Cranial computerised tomography in dementia of the Alzheimer type. Burns A. **Br J Psychiatry Suppl** 1990; (9):10–5 (50 ref.)
Computerised tomography in schizophrenia 15 years on. Lewis SW. **Br J Psychiatry Suppl** 1990;(9):16–24 (100 ref.)
Prognostic significance of computed tomography of the brain in thrombotic thrombocytopenic purpura. Kay AC, et al. **Mayo Clin Proc** 1991 Jun;66(6):602–7 (11 ref.)
Computed tomographic evaluation of patients with tardive dyskinesia. Hoffman WF, et al. **Schizophr Res** 1991 Jul–Aug;5(1):1–12 (56 ref.)
Diagnostic imaging of intracranial lesions. Bailey MQ. **Semin Vet Med Surg (Small Anim)** 1990 Nov;5(4):232–6 (34 ref.)
[Incidence of non-tumor anomalies of the facial sinuses on x-ray computed tomography of the brain of asymptomatic patients. Clinical and radiologic correlations between involvements of ethmoid cells and other sinus cavities] Chapuis L, et al. **J Radiol** 1990 Aug–Sep;71(8–9):489–94 (18 ref.) (Eng. Abstr.) **(Fre)**
[Computed cranial tomography, magnetic resonance imaging and brain echo imaging in Japanese B encephalitis] Eguchi I, et al. **No To Hattatsu** 1991 Jul;23(4):355–61 (15 ref.) (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Imaging the serotonergic system by positron emission tomography. Frost JJ. **Ann N Y Acad Sci** 1990;600:273–80; discussion 280–1 (47 ref.)
Imaging dementia with SPECT. Holman BL, et al. **Ann N Y Acad Sci** 1991;620:165–74 (25 ref.)
Positron emission tomography: basic principles and applications in psychiatric research. Volkow ND, et al. **Ann N Y Acad Sci** 1991;620:128–44 (98 ref.)
Functional brain imaging in AIDS-related dementia: a review. Brunetti A, et al. **Antibiot Chemother** 1991; 43:227–34 (24 ref.)
Sight and insight: regional cerebral metabolic activity in schizophrenia visualised by positron emission tomography, and competing neurodevelopmental perspectives [see comments] Waddington JL. **Br J Psychiatry** 1990 May; 156:615–9 (48 ref.) Comment in: Br J Psychiatry 1990 Nov;157:784–5.
Positron emission tomography in the study of brain metabolism in psychiatric and neuropsychiatric disorders. Bench CJ, et al. **Br J Psychiatry Suppl** 1990;(9):82–95 (85 ref.)
The use and applications of single-photon emission computerised tomography in dementia. Geaney DP, et al. **Br J Psychiatry Suppl** 1990;(9):66–75 (80 ref.)
Cerebral perfusion imaging. Holmes RA. **Curr Opin Radiol** 1990 Dec;2(6):860–7 (18 ref.)
Bowel visualization during indium-111-labelled diethylene triamine penta-acetic acid cisternography due to massive cerebrospinal fluid leak. Case report and review of the literature. Jeffery PJ, et al. **Eur J Nucl Med** 1990; 17(6–8):365–8 (20 ref.)
Where have we got to with neuroreceptor mapping of the human brain? Mazière B, et al. **Eur J Nucl Med** 1990; 16(11):817–35 (195 ref.)
The use of cerebral activation procedures with single photon emission tomography. Ring HA, et al. **Eur J Nucl Med** 1991;18(2):133–41 (43 ref.)
Positron emission tomography studies of brain receptors. Mazière B, et al. **Fundam Clin Pharmacol** 1991;5(1):61–91 (188 ref.)
Region of interest issues: the relationship between structure and function in the brain. Mazziotta JC, et al. **J Cereb Blood Flow Metab** 1991 Mar;11(2):A51–6 (10 ref.)
Statistical analysis of functional neuroimaging data: exploratory versus inferential methods. Pawlik G. **J Cereb Blood Flow Metab** 1991 Mar;11(2):A136–9 (15 ref.)
Single photon emission computed tomography (SPET) of the brain. Ell PJ. **J Neurosci Methods** 1990 Sep; 34(1–3):207–17 (13 ref.)
Instrumentation and computers for brain single photon emission computed tomography. Croft BY. **Semin Nucl Med** 1990 Oct;20(4):281–9 (18 ref.)
Current and future radiopharmaceuticals for brain imaging with single photon emission computed tomography. Kung HF, et al. **Semin Nucl Med** 1990 Oct;20(4):290–302 (129 ref.)
The scintigraphic evaluation of Huntington's disease and other movement disorders using single photon emission computed tomography perfusion brain scans. Nagel JS, et al. **Semin Nucl Med** 1991 Jan;21(1):11–23 (70 ref.)
Brain single photon emission computed tomography: newer activation and intervention studies. Tikofsky RS, et al. **Semin Nucl Med** 1991 Jan;21(1):40–57 (97 ref.)
Functional brain imaging in the evaluation of psychiatric illness. Van Heertum RL, et al. **Semin Nucl Med** 1991 Jan; 21(1):24–39 (85 ref.)
[The contribution of single-photon emission-computed tomography in cerebral function diagnosis] Weder B, et al. **Schweiz Med Wochenschr** 1990 Dec 1;120(48):1791–800 (34 ref.) (Eng. Abstr.) **(Ger)**
[Imaging of D2 dopamine receptor] Hatazawa J, et al. **Nippon Rinsho** 1991 Jul;49(7):1546–50 (17 ref.) **(Jpn)**
[Measurement and image reconstruction of three-dimensional radioisotope distribution] Tanaka E. **Radioisotopes** 1990 Nov;39(11):510–20 (70 ref.) **(Jpn)**

SURGERY

Cortical resection for children with epilepsy. Perspectives in pediatrics. Wyllie E. **Am J Dis Child** 1991 Mar; 145(3):314–20 (66 ref.)
Betamethasone-induced resistance to vecuronium: a potential problem in neurosurgery? Parr SM, et al. **Anaesth Intensive Care** 1991 Feb;19(1):103–5 (16 ref.)
Surgery for epilepsy. National Institutes of Health. **Conn Med** 1990 Aug;54(8):452–6 (0 ref.)
Stereotactic neurosurgery. Galloway RL, et al. **Crit Rev Biomed Eng** 1990;18(3):181–205 (120 ref.)
Intracerebral adrenal medulla grafts: a review. Freed WJ, et al. **Exp Neurol** 1990 Nov;110(2):139–66 (166 ref.)
[Intraoperative echoencephalography in neurosurgery] Locatelli D, et al. **Medicina (Firenze)** 1990 Oct–Dec; 10(4):386–90 (20 ref.) (Eng. Abstr.) **(Ita)**
[Transplantation of the sympathetic ganglion into the brain—induction of axonal outgrowth from the graft] Ooiwa Y, et al. **No To Shinkei** 1991 Feb;43(2):129–37 (63 ref.) **(Jpn)**

ULTRASTRUCTURE

In-vivo quantitative imaging of catecholaminergic nerve terminals in brain and peripheral organs using positron emission tomography (PET). Kopin IJ. **J Neural Transm Suppl** 1990;32:19–27 (38 ref.)
Mapping brain genes. Nicholson GA. **Med J Aust** 1991 Jan 7;154(1):7–9 (14 ref.)

BRAIN ABSCESS

COMPLICATIONS

Brain abscess associated with congenital pulmonary arteriovenous fistula. Momma F, et al. **Surg Neurol** 1990 Dec;34(6):439–41 (6 ref.)

ETIOLOGY

Cerebral abscess complicating dilatation of a corrosive esophageal stricture. Djupesland P, et al. **Eur Arch Otorhinolaryngol** 1991;248(5):308–10 (13 ref.)
Pseudallescheria boydii and brain abscesses. Hachimi-Idrissi S, et al. **Pediatr Infect Dis J** 1990 Oct;9(10):737–41 (49 ref.)
[Endocranial complications of chronic otitis in adults] Poignonec S, et al. **Ann Otolaryngol Chir Cervicofac** 1990; 107(5):333–40 (15 ref.) (Eng. Abstr.) **(Fre)**
[Cerebral nocardiosis cured by repeated stereotaxic punctures and antibiotic therapy] Baylot D, et al. **Presse Med** 1991 Apr 27;20(16):744–6 (10 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

A case of cerebral aspergillosis caused by Aspergillus nidulans. Clinical, pathologic and mycologic identifications. Tong QJ, et al. **Chin Med J [Engl]** 1990 Jun;103(6):518–22 (9 ref.)

BRAIN CHEMISTRY

Parkinson's disease and Alzheimer's disease: neurodegenerative disorders due to brain antioxidant system deficiency? Ceballos I, et al. **Adv Exp Med Biol** 1990;264:493–8 (43 ref.)
Involvement of brain catecholamines and acetylcholine in growth hormone deficiency states. Pathophysiological, diagnostic and therapeutic implications. Müller EE, et al. **Drugs** 1991 Feb;41(2):161–77 (101 ref.)
Where have we got to with neuroreceptor mapping of the human brain? Mazière B, et al. **Eur J Nucl Med** 1990; 16(11):817–35 (195 ref.)
The spectrin skeleton: from red cells to brain. Bennett V, et al. **J Clin Invest** 1991 May;87(5):1483–9 (75 ref.)
Brain markers and suicide: can a relationship be found? Little KY, et al. **J Forensic Sci** 1990 Nov;35(6):1393–403 (45 ref.)
Isolation, localization, and cloning of a kainic acid binding protein from frog brain. Wenthold RJ, et al. **J Histochem Cytochem** 1990 Dec;38(12):1717–23 (18 ref.)
Brain microdialysis studies on the control of dopamine release and metabolism in vivo. Arbuthnott GW, et al. **J Neurosci Methods** 1990 Sep;34(1–3):73–81 (19 ref.)
Brain dialysis of neurotransmitters: a commentary. Di Chiara G. **J Neurosci Methods** 1990 Sep;34(1–3):29–34 (29 ref.)
Induction of heat shock (stress) genes in the mammalian brain by hyperthermia and other traumatic events: a current perspective. Brown IR. **J Neurosci Res** 1990 Nov; 27(3):247–55 (110 ref.)
Paradoxical sleep and its chemical/structural substrates in the brain. Jones BE. **Neuroscience** 1991;40(3):637–56 (134 ref.)
Plasticity of excitatory amino acid receptors: implications for aging and Alzheimer's disease. Cotman CW, et al. **Prog Brain Res** 1990;86:55–61 (37 ref.)
The brain nicotinic acetylcholine receptor gene family. Heinemann S, et al. **Prog Brain Res** 1990;86:195–203 (48 ref.)
Genetics and biology of the Alzheimer amyloid precursor. Neve RL, et al. **Prog Brain Res** 1990;86:257–67 (35 ref.)
In vivo electrochemical measurements in the CNS. Adams RN. **Prog Neurobiol** 1990;35(4):297–311 (153 ref.)
Metabolism and role of glutamate in mammalian brain. Erecińska M, et al. **Prog Neurobiol** 1990;35(4):245–96 (393 ref.)
Cysteine sulphinate (CSA) as an excitatory amino acid transmitter candidate in the mammalian central nervous system. Griffiths R. **Prog Neurobiol** 1990;35(4):313–23 (96 ref.)
Is interleukin 2 a neuromodulator in the brain? Nisticò G, et al. **Trends Neurosci** 1991 Apr;14(4):146–50 (56 ref.)
[In situ hybridization on tissue section: a new method for studying the amacrine cells of the retina and the centers of the visual system] Abitbol M, et al. **Ophtalmologie** 1990 Jan–Feb;4(1):43–7 (25 ref.) (Eng. Abstr.) **(Fre)**
[In vivo mapping of muscarinic acetylcholine receptors] Inoue O, et al. **Nippon Rinsho** 1991 Jul;49(7):1551–5 (15 ref.) **(Jpn)**
[Proton magnetic resonance spectroscopy and chemical shift imaging] Naruse S, et al. **Nippon Rinsho** 1991 Jul; 49(7):1645–55 (13 ref.) **(Jpn)**
[Opioid receptor] Saji H. **Nippon Rinsho** 1991 Jul; 49(7):1556–61 (6 ref.) **(Jpn)**
[Positron emission tomography studies of dopamine D1 receptors] Shinotoh H. **Nippon Rinsho** 1991 Jul; 49(7):1541–5 (21 ref.) **(Jpn)**
[Serotonin receptor] Suhara T. **Nippon Rinsho** 1991 Jul; 49(7):1562–6 (18 ref.) **(Jpn)**
[Mapping of histamine H1 receptors in human brain by positron emission tomography] Yanai K, et al. **Nippon Rinsho** 1991 Jul;49(7):1572–7 (21 ref.) **(Jpn)**
[Purification of nicotinic acetylcholine receptors from brain and ganglion] Nakayama H. **Seikagaku** 1991 Jun; 63(6):424–8 (25 ref.) **(Jpn)**
[Methodological considerations in microdialysis] Nakahara D, et al. **Yakubutsu Seishin Kodo** 1991 Feb;11(1):1–16 (66 ref.) (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Dopaminergic mechanisms in the locomotor stimulant effects of nicotine. Clarke PB. **Biochem Pharmacol** 1990 Oct 1; 40(7):1427–32 (49 ref.)
Effects of nicotine on cerebral metabolism. London ED. **Ciba Found Symp** 1990;152:131–40; discussion 140–6 (33 ref.)
Behavioural pharmacology of nicotine: implications for multiple brain nicotinic receptors. Stolerman IP. **Ciba Found Symp** 1990;152:3–16; discussion 16–22 (27 ref.)
Application of brain microdialysis to study the pharmacology of the 5-HT1A autoreceptor. Sharp T, et al. **J Neurosci Methods** 1990 Sep;34(1–3):83–90 (40 ref.)
Mapping the metabolic correlates of drug-induced euphoria. London ED, et al. **NIDA Res Monogr** 1991;105:54–60 (32 ref.)
Metabolic studies of drugs of abuse. Volkow ND, et al. **NIDA Res Monogr** 1991;105:47–53 (25 ref.)
Brain lipid changes after ethanol exposure. Gustavsson L. **Ups J Med Sci Suppl** 1990;48:245–66 (72 ref.)

PHYSIOLOGY

Hyperammonemia induces brain tubulin. Miñana MD, et al. **Adv Exp Med Biol** 1990;272:65–80 (30 ref.)
Merrill C. Sosman lecture. Drugs, behavior, and brain chemistry. Wagner HN Jr. **AJR Am J Roentgenol** 1990 Nov;155(5):925–31 (33 ref.)
Functional architecture of the nicotinic acetylcholine receptor: from electric organ to brain. Galzi JL, et al. **Annu Rev Pharmacol Toxicol** 1991;31:37–72 (270 ref.)
Intracellular calcium and pathophysiological changes in cerebral ischemia. Greenberg JH, et al. **Arzneimittelforschung** 1991 Mar;41(3A):324–33 (23 ref.)
Physiology of cerebral blood flow and metabolism. Kuschinsky W. **Arzneimittelforschung** 1991 Mar; 41(3A):284–8 (21 ref.)
Neurochemical deficits in pathological brain aging: specificity and possible relevance for treatment strategies. Quirion R, et al. **Clin Neuropharmacol** 1990;13 Suppl 3:S73–80 (36 ref.)
Coupling of blood flow and metabolism in the brain. Kuschinsky W. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec;1(1–4):191–201 (20 ref.)
Cholinergic receptors in human brain: effects of aging and Alzheimer disease. Giacobini E. **J Neurosci Res** 1990 Dec; 27(4):548–60 (98 ref.)
Neurochemical aspects on aging and diseases with cognitive impairment. Gottfries CG. **J Neurosci Res** 1990 Dec; 27(4):541–7 (61 ref.)
Appearance and transient expression of vasopressin and oxytocin receptors in the rat brain. Tribollet E, et al. **J Recept Res** 1991;11(1–4):333–46 (14 ref.)
Neuroendocrinology of atrial natriuretic polypeptide in the brain. Ma LY, et al. **Neuroendocrinology** 1991;53 Suppl 1:12–7 (49 ref.)
Atrial natriuretic peptide in the central nervous system. Yeung VT, et al. **Neuroendocrinology** 1991;53 Suppl 1:18–24 (53 ref.)

The role of brain serotonin. A neurophysiologic perspective. Jacobs BL, et al. **Neuropsychopharmacology** 1990 Oct–Dec; 3(5–6):473–9 (27 ref.)

A review of chemical issues in 1H NMR spectroscopy: N-acetyl-L-aspartate, creatine and choline. Miller BL. **NMR Biomed** 1991 Apr;4(2):47–52 (47 ref.)

The 5-HT2 receptor in brain: recent biochemical and molecular biological developments and new perspectives in its regulation. Apud JA. **Pharmacol Res** 1991 Apr; 23(3):217–32 (122 ref.)

Serotonin, memory, and the aging brain. McEntee WJ, et al. **Psychopharmacology (Berl)** 1991;103(2):143–9 (85 ref.)

Biochemistry of the neurolipids. Svennerholm L. **Ups J Med Sci Suppl** 1990;48:7–19 (15 ref.)

BRAIN CONCUSSION

COMPLICATIONS

Fever of unknown origin following traumatic brain injury. Jackson RD, et al. **Brain Inj** 1991 Jan–Mar;5(1):93–100 (30 ref.)

Posttraumatic headache and the postconcussion syndrome. Goldstein J. **Med Clin North Am** 1991 May;75(3):641–51 (44 ref.)

DIAGNOSIS

The relationship between neuropsychological function and brain damage detected by neuroimaging after closed head injury. Wilson JT. **Brain Inj** 1990 Oct–Dec;4(4):349–63 (66 ref.)

METABOLISM

Massive increases in extracellular potassium and the indiscriminate release of glutamate following concussive brain injury. Katayama Y, et al. **J Neurosurg** 1990 Dec; 73(6):889–900 (85 ref.)

PATHOLOGY

[Histological characteristics of the reactions of cerebral neuroglia in laboratory animals] Kvitnitskii-Ryzhov IuN, et al. **Arkh Anat Gistol Embriol** 1990 Sep;99(9):5–19 (75 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[The neuroendocrine and neurotrophic changes in combined brain concussion and locomotor trauma (a review of the literature)] Kalishchuk TN, et al. **Vrach Delo** 1990 Jul; (7):62–7 (54 ref.) **(Rus)**

PSYCHOLOGY

The head injured adolescent: a case report and review of the issues. Reiter S, et al. **Can J Psychiatry** 1990 Nov; 35(8):669–73 (53 ref.)

[Mild closed cranio-cerebral injury in children (review of the literature)] Morkhedzh A. **Zh Nevropatol Psikhiatr** 1990;90(8):114–8 (96 ref.) **(Rus)**

BRAIN DAMAGE, CHRONIC

BLOOD

Blood glucose level and morphological brain damage following cerebral ischemia. Marie C, et al. **Cerebrovasc Brain Metab Rev** 1991 Spring;3(1):29–38 (76 ref.)

CHEMICALLY INDUCED

Occupational neurotoxicology: some neuropsychological issues and challenges. Hawkins KA. **J Clin Exp Neuropsychol** 1990 Oct;12(5):664–80 (50 ref.)

COMPLICATIONS

Developmental dysphasia: clinical importance and underlying neurological causes. Njiokiktjien C. **Acta Paedopsychiatr** 1990;53(2):126–37 (80 ref.)

DIAGNOSIS

New approaches to research on the long-term consequences of prenatal exposure to alcohol. West JR, et al. **Alcohol Clin Exp Res** 1990 Oct;14(5):684–9 (64 ref.)

Magnetic resonance imaging and its applications in neuropsychiatry. Besson JA. **Br J Psychiatry Suppl** 1990; (9):25–37 (49 ref.)

Cognitive brain potentials and their application. Blackwood DH, et al. **Br J Psychiatry Suppl** 1990;(9):96–101 (50 ref.)

Psychiatry and the new magnetic resonance era. Lock T, et al. **Br J Psychiatry Suppl** 1990;(9):38–55 (71 ref.)

The relationship between neuropsychological function and brain damage detected by neuroimaging after closed head injury. Wilson JT. **Brain Inj** 1990 Oct–Dec;4(4):349–63 (66 ref.)

Research on the clinical usefulness of the Rorschach: 2. The assessment of cerebral dysfunction. Frank G. **Percept Mot Skills** 1991 Feb;72(1):103–11 (49 ref.)

Brain magnetic resonance imaging: approaches for investigating schizophrenia. Pfefferbaum A, et al. **Schizophr Bull** 1990;16(3):453–76 (63 ref.)

[Review of the significance of early auditory evoked potentials in diagnosis of neurologic diseases in childhood] Mattigk G. **Kinderarztl Prax** 1991 Mar;59(3):60–3 (16 ref.) (Eng. Abstr.) **(Ger)**

[Computer-assisted analysis of cardiorespiratory data in the neonatal period] Rother M, et al. **Psychiatr Neurol Med Psychol Beih** 1990;43:37–44 (22 ref.) **(Ger)**

[Magnetoencephalography--current trends] Cammann R, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Jul; 42(7):412–7 (14 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Effect of nootropic and psycho-stimulants on children with infantile brain damages. Vehreschild T. **Acta Paedopsychiatr** 1990;53(2):163–7 (26 ref.)

EMBRYOLOGY

When should we expect prenatally damaged human brains to have abnormal neuronal connections? Ashwell KW. **Med Hypotheses** 1991 Feb;34(2):149–52 (26 ref.)

ETIOLOGY

Mechanisms of asphyxial brain damage, and possible pharmacologic interventions, in the fetus. Espinoza MI, et al. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 1):1582–9; discussion 1589–91 (26 ref.)

Neurological complications of bacterial endocarditis. Bertorini TE, et al. **Compr Ther** 1990 Dec;16(12):47–55 (32 ref.)

Etiology and pathophysiology of postasphyxial brain damage. Kjellmer I. **Int J Technol Assess Health Care** 1991;7 Suppl 1:106–9 (29 ref.)

Prevention and treatment of postasphyxial cerebral damage. Raivio KO. **Int J Technol Assess Health Care** 1991;7 Suppl 1:110–2 (14 ref.)

Developmental neuropsychiatry. Taylor E. **J Child Psychol Psychiatry** 1991 Jan;32(1):3–47 (210 ref.)

[Central nervous system risk factors in heart surgery] Rodewald G, et al. **Z Kardiol** 1990;79 Suppl 4:13–21 (74 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

Old syndromes and new cytogenetics. Punnett HH, et al. **Dev Med Child Neurol** 1990 Sep;32(9):824–31 (32 ref.)

NURSING

Unilateral neglect: mechanisms and nursing care. Kalbach LR. **J Neurosci Nurs** 1991 Apr;23(2):125–9 (18 ref.)

PATHOLOGY

Cell population depletion associated with fetal alcohol brain damage: mechanisms of BAC-dependent cell loss. West JR, et al. **Alcohol Clin Exp Res** 1990 Dec;14(6):813–8 (44 ref.)

PHYSIOPATHOLOGY

Pathophysiology of acute brain damage following epilepsy. Baethmann A. **Acta Neurochir Suppl (Wien)** 1990;50:14–8 (19 ref.)

Facial recognition 1990. Benton A. **Cortex** 1990 Dec; 26(4):491–9 (35 ref.)

Can people who are unconscious or in the "vegetative state" perceive pain? McQuillen MP. **Issues Law Med** 1991 Spring;6(4):373–83 (76 ref.)

Associative agnosias and the functions of the left hemisphere. Goldberg E. **J Clin Exp Neuropsychol** 1990 Aug; 12(4):467–84 (90 ref.)

The components and neuroanatomic bases of prosody. Merewether FC, et al. **J Commun Disord** 1990 Aug–Oct; 23(4–5):325–36 (70 ref.)

Diffuse axonal injury in non-missile head injury [editorial] Adams JH, et al. **J Neurol Neurosurg Psychiatry** 1991 Jun; 54(6):481–3 (30 ref.)

Cerebrovascular regulation and neonatal brain injury. Del Toro J, et al. **Pediatr Neurol** 1991 Jan–Feb;7(1):3–12 (104 ref.)

Excitatory amino acids in the developing brain: ontogeny, plasticity, and excitotoxicity. Hattori H, et al. **Pediatr Neurol** 1990 Jul–Aug;6(4):219–28 (100 ref.)

Amnesia: lesion location and functional deficit--what is the link? [editorial] Mayes A. **Psychol Med** 1991 May; 21(2):293–7 (25 ref.)

Lesioning an attractor network: investigations of acquired dyslexia. Hinton GE, et al. **Psychol Rev** 1991 Jan; 98(1):74–95 (85 ref.)

[Some general factors affecting heart rate fluctuations] Michalik M, et al. **Psychiatr Neurol Med Psychol Beih** 1990; 43:45–52 (46 ref.) **(Ger)**

PREVENTION & CONTROL

Preventing secondary brain damage after head injury: a multidisciplinary challenge. Gentleman D. **Injury** 1990 Sep; 21(5):305–8 (61 ref.)

PSYCHOLOGY

The head injured adolescent: a case report and review of the issues. Reiter S, et al. **Can J Psychiatry** 1990 Nov; 35(8):669–73 (53 ref.)

Neuropsychiatric aspects of stroke. Beckson M, et al. **Int J Psychiatry Med** 1991;21(1):1–15 (86 ref.)

Traumatic brain injury and marital relationships: a literature review. Liss M, et al. **Int J Rehabil Res** 1990;13(4):309–20 (52 ref.)

Models of arithmetic fact retrieval: an evaluation in light of findings from normal and brain-damaged subjects. McCloskey M, et al. **J Exp Psychol [Learn Mem Cogn]** 1991 May;17(3):377–97 (47 ref.)

Head-injured parents and their children. Psychosocial consequences of a traumatic syndrome. Urbach JR, et al. **Psychosomatics** 1991 Winter;32(1):24–33 (77 ref.)

RADIONUCLIDE IMAGING

Positron emission tomography in the study of brain metabolism in psychiatric and neuropsychiatric disorders. Bench CJ, et al. **Br J Psychiatry Suppl** 1990;(9):82–95 (85 ref.)

REHABILITATION

Behavioral assessment and treatment of brain-impaired individuals. Franzen MD. **Prog Behav Modif** 1991;27:56–85 (117 ref.)

Behavioral approaches to neuropsychological rehabilitation. McGlynn SM. **Psychol Bull** 1990 Nov;108(3):420–41 (90 ref.)

[Comments on specific early rehabilitation of patients with severe craniocerebral trauma] Schreiber P, et al. **Rehabilitation (Stuttg)** 1990 Nov;29(4):238–41 (20 ref.) (Eng. Abstr.) **(Ger)**

ULTRASONOGRAPHY

The use of ultrasound in evaluating neurologic diseases of childhood. Fischer AQ. **Neurol Clin** 1990 Aug;8(3):759–74 (37 ref.)

BRAIN DEATH

Anaesthetic management of the brain dead for organ donation. Gelb AW, et al. **Can J Anaesth** 1990 Oct; 37(7):806–12 (28 ref.)

The persistent vegetative state--1990. Spudis EV. **J Neurol Sci** 1991 Apr;102(2):128–36 (110 ref.)

Brainstem death: the evolution of a concept. Pallis C. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):135–52 (123 ref.)

DIAGNOSIS

Brain death--still a controversy [see comments] Evers JC, et al. **Pharos** 1990 Fall;53(4):10–2 (20 ref.) Comment in: Pharos 1991 Winter;54(1):34. Comment in: Pharos 1991 Spring;54(2):31–3.

[Clinical evaluation of coma states] Tulasne PA. **Agressologie** 1990;31(9):621–8 (44 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Spinal man after declaration of brain death [see comments] Turmel A, et al. **Neurosurgery** 1991 Feb;28(2):298–301; discussion 302 (16 ref.) Comment in: Neurosurgery 1991 Jun;28(6):933.

BRAIN DISEASES

see related
ORGANIC MENTAL DISORDERS, PSYCHOTIC

Neurotransmitter receptors in human brain diseases. Probst A, et al. **Curr Top Pathol** 1991;83:219–70 (214 ref.)

Multicentric intracranial fibrous xanthoma--case report. Yamataki A, et al. **Neurol Med Chir (Tokyo)** 1990 Oct; 30(10):759–62 (13 ref.)

Office management of neurologic emergencies. Avner JR, et al. **Pediatr Ann** 1990 Nov;19(11):649–58 (10 ref.)

CHEMICALLY INDUCED

Chronic neuropsychological sequelae of occupational exposure to organophosphate insecticides. Rosenstock L, et al. **Am J Ind Med** 1990;18(3):321–5 (15 ref.)

Acute fatal myeloencephalopathy after combined intrathecal chemotherapy in a child with acute lymphoblastic leukemia. von der Weid NX, et al. **Med Pediatr Oncol** 1991; 19(3):192–8 (33 ref.)

[A case of inorganic germanium poisoning with peripheral and cranial neuropathy, myopathy and autonomic dysfunction] Iijima M, et al. **No To Shinkei** 1990 Sep; 42(9):851–6 (13 ref.) (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Recurrent aseptic meningitis secondary to intracranial epidermoid cyst and Mollaret's meningitis: two distinct entities or a single disease? A case report and a nosologic discussion. Achard JM, et al. **Am J Med** 1990 Dec; 89(6):807–10 (30 ref.)

Central nervous system epidermoid cyst: a probable etiology of Mollaret's meningitis. Crossley GH, et al. **Am J Med** 1990 Dec;89(6):805–6 (8 ref.)

Organic bases of depression in the elderly. Krishnan KR. **Annu Rev Med** 1991;42:261–6 (25 ref.)

Do primary dysfunctions in neural control of arterial pressure

contribute to hypertension? Ferrario CM, et al. **Hypertension** 1991 Sep;18(3 Suppl):I38–51 (182 ref.)

Immunopathology and viral reactivation. A general theory of schizophrenia. Waltrip RW 2d, et al. **J Nerv Ment Dis** 1990 Dec;178(12):729–38 (162 ref.)

Aspergillosis of the central nervous system causing subarachnoid hemorrhage from mycotic aneurysm of the basilar artery--case report. Iihara K, et al. **Neurol Med Chir (Tokyo)** 1990 Aug;30(8):618–23 (21 ref.)

Neurothanatology--clinical significance of cerebrally induced cardiac changes. Oppenheimer S. **Postgrad Med J** 1990 Aug;66(778):591–4 (52 ref.)

[Can neurologic lesions explain memory disorders of the elderly?] Hauw JJ, et al. **Ann Med Interne (Paris)** 1990;141 Suppl 1:7–12 (48 ref.) (Eng. Abstr.) **(Fre)**

[Hydrocephalus and cerebral cysticercosis. A case report. Review of the literature] Bellard S, et al. **Neurochirurgie** 1990;36(3):185–90 (17 ref.) (Eng. Abstr.) **(Fre)**

[Mitochondrial encephalomyopathy, lactic acidosis and stroke-like episodes (MELAS) associated with hypothalamo-pituitary hypofunction--a case report] Ishii A, et al. **Rinsho Shinkeigaku** 1991 Feb;31(2):179–83 (10 ref.) (Eng. Abstr.) **(Jpn)**

[Search for early prognostic factors in schizophrenia: current problems (review of the literature)] Koloskova MV, et al. **Zh Nevropatol Psikhiatr** 1990;90(9):120–5 (71 ref.) **(Rus)**

[Toxoplasmosis in patients with HIV infections: diagnosis and treatment] Bolao F, et al. **Enferm Infecc Microbiol Clin** 1990 Jun-Jul;8(6):376–83 (81 ref.) **(Spa)**

DIAGNOSIS

Merrill C. Sosman lecture. Drugs, behavior, and brain chemistry. Wagner HN Jr. **AJR Am J Roentgenol** 1990 Nov;155(5):925–31 (33 ref.)

Dichotic listening: new developments and applications in clinical research. Bruder GE. **Ann N Y Acad Sci** 1991; 620:217–32 (70 ref.)

Evoked potential studies in neurological diagnosis and management. Aminoff MJ. **Ann Neurol** 1990 Nov; 28(5):706–10 (28 ref.)

Routine contrast enhancement for cranial magnetic resonance imaging: an analysis of its diagnostic value in adults. Kucharczyk W, et al. **Can Assoc Radiol J** 1991 Jun; 42(3):199–209 (12 ref.)

Magnetic resonance imaging of the brain. Wallace CJ. **Can Assoc Radiol J** 1991 Feb;42(1):13–20 (7 ref.)

Imaging of the brain in children [published erratum appears in Curr Opin Radiol 1991 Feb;3(1):114] Ball WS Jr. **Curr Opin Radiol** 1990 Dec;2(6):877–84 (23 ref.)

Imaging of degenerative brain disorders. Berson BD. **Curr Opin Radiol** 1991 Feb;3(1):51–4 (16 ref.)

Superficial siderosis of the central nervous system. A 37-year follow-up of a case and review of the literature. Stevens I, et al. **Eur Arch Psychiatry Clin Neurosci** 1991; 241(1):57–60 (22 ref.)

Degenerative disorders of the brain--a clinical and biochemical approach. Goldstein EM, et al. **Indian J Pediatr** 1990 Jul-Aug;57(4):499–516 (4 ref.)

Magnetic resonance imaging in brain lesions. Gulati P, et al. **Indian Pediatr** 1990 Dec;27(12):1327–32 (13 ref.)

Neurological and developmental follow-up of a population at risk. Stewart AL. **Int J Technol Assess Health Care** 1991; 7 Suppl 1:128–32 (24 ref.)

Statistical aspects of neurophysiologic topography. Abt K. **J Clin Neurophysiol** 1990 Oct;7(4):519–34 (12 ref.)

Visual information processing of computed topographic electrical activity brain maps. Klymenko V, et al. **J Clin Neurophysiol** 1990 Oct;7(4):484–97 (51 ref.)

A critical review of clinical applications of topographic mapping of brain potentials. Lopes da Silva FH. **J Clin Neurophysiol** 1990 Oct;7(4):535–51 (53 ref.)

Adequacy of the International 10-20 electrode system for computed neurophysiologic topography. Myslobodsky MS, et al. **J Clin Neurophysiol** 1990 Oct;7(4):507–18 (52 ref.)

The development of EEG brain mapping. Nuwer MR. **J Clin Neurophysiol** 1990 Oct;7(4):459–71 (48 ref.)

Precautions in topographic mapping and in evoked potential map reading. Perrin F, et al. **J Clin Neurophysiol** 1990 Oct; 7(4):498–506 (25 ref.)

Magnetic resonance imaging contrast agents: theory and application to the central nervous system. Bronen RA, et al. **J Neurosurg** 1990 Dec;73(6):820–39 (82 ref.)

Intracranial neurenteric cysts. Report of two cases. Malcolm GP, et al. **J Neurosurg** 1991 Jul;75(1):115–20 (27 ref.)

Magnetic resonance in pediatric and adolescent neuroimaging. Barnes PD. **Neurol Clin** 1990 Aug; 8(3):741–57 (80 ref.)

Symptomatic pineal cyst: case report. Maurer PK, et al. **Neurosurgery** 1990 Sep;27(3):451–3; discussion 453–4 (16 ref.)

Acquisition and quantitation in proton spectroscopy. Luyten PR, et al. **NMR Biomed** 1991 Apr;4(2):64–9 (33 ref.)

Cerebral sparganosis: case report and review. Holodniy M, et al. **Rev Infect Dis** 1991 Jan-Feb;13(1):155–9 (39 ref.)

Clinical applications of magnetic resonance contrast media in the head. Runge VM. **Top Magn Reson Imaging** 1991 Mar;3(2):19–40 (47 ref.)

The temporal bone: magnetic resonance imaging. Swartz JD, et al. **Top Magn Reson Imaging** 1990 Sep;2(4):1–16 (36 ref.)

[Magnetic resonance imaging of the brain of newborn infants] Haddad J, et al. **Pediatrie** 1990;45(10):665–75 (39 ref.) (Eng. Abstr.) **(Fre)**

[Review of the significance of early auditory evoked potentials in diagnosis of neurologic diseases in childhood] Mattigk G. **Kinderarztl Prax** 1991 Mar;59(3):60–3 (16 ref.) (Eng. Abstr.) **(Ger)**

[Cerebrospinal fluid cytologic diagnosis--possibilities and limits] Olischer RM. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Aug; 42(8):473–8 (8 ref.) (Eng. Abstr.) **(Ger)**

[Neuroradiologic emergency diagnosis and therapy of cranial diseases] Wakhloo AK, et al. **Radiologe** 1991 Jan;31(1):21–9 (38 ref.) (Eng. Abstr.) **(Ger)**

[Endocranial calcifications. Diagnostic procedure] Battistella PA, et al. **Minerva Pediatr** 1991 Mar;43(3):219–21 (11 ref.) **(Ita)**

[Computer methods of data processing in clinical electro-encephalography (review of the literature)] Zenkov LR. **Zh Nevropatol Psikhiatr** 1990;90(12):103–9 (69 ref.) **(Rus)**

DRUG THERAPY

Neurotransmitters and diseases of the brain. Perry EK. **Br J Hosp Med** 1991 Feb;45(2):73–83 (63 ref.)

Nitrosourea derivatives for the treatment of Hodgkin's disease involving the central nervous system: a study of 23 cases. Gershanovich ML, et al. **Bull Cancer (Paris)** 1990; 77(8):821–8 (48 ref.)

Cerebral malaria--a diagnostic and therapeutic approach. Gandhi DJ, et al. **Indian Pediatr** 1990 Jun;27(6):651–7 (21 ref.)

EMBRYOLOGY

Cerebral dysplasias as expressions of altered maturational processes. Sarnat HB. **Can J Neurol Sci** 1991 May; 18(2):196–204 (60 ref.)

Syndromes associated with simple calvarial and complex craniofacial anomalies. Iannetti P, et al. **Childs Nerv Syst** 1991 Apr;7(2):72–8 (27 ref.)

EPIDEMIOLOGY

Nasal dermoid sinus cysts: association with intracranial extension and multiple malformations. Wardinsky TD, et al. **Cleft Palate Craniofac J** 1991 Jan;28(1):87–95 (32 ref.)

ETIOLOGY

Pancreatic encephalopathy. A case report and review of the literature. Boon P, et al. **Clin Neurol Neurosurg** 1991; 93(2):137–41 (21 ref.)

Outcome after asphyxial and circulatory disturbances in the brain. Levene MI. **Int J Technol Assess Health Care** 1991; 7 Suppl 1:113–7 (14 ref.)

Neurological sequelae of cerebral malaria in children. Brewster DR, et al. **Lancet** 1990 Oct 27;336(8722):1039–43 (39 ref.)

Bovine spongiform encephalopathy [see comments] Collee JG. **Lancet** 1990 Nov 24;336(8726):1300–3 (29 ref.) Comment in: Lancet 1991 Jan 19;337(8734):173–4.

Cerebral malaria in children [see comments] Phillips RE, et al. **Lancet** 1990 Dec 1;336(8727):1355–60 (78 ref.) Comment in: Lancet 1991 Jan 12;337(8733):115. Comment in: Lancet 1991 Feb 2;337(8736):302–3.

Hashimoto's encephalopathy: a steroid-responsive disorder associated with high anti-thyroid antibody titers--report of 5 cases. Shaw PJ, et al. **Neurology** 1991 Feb;41(2 (Pt 1)):228–33 (28 ref.)

Brain injury and protection. Smith PL. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):381–8 (75 ref.)

[Naso-orbito-cerebral mucormycosis. A more & more common disease] Orsel S, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(3):221–5 (13 ref.) (Eng. Abstr.) **(Fre)**

[The neurosurgical treatment of traumatic fronto-basal spinal fluid fistulas. 66 cases (1982–1986)] Probst C, et al. **Aktuel Traumatol** 1990 Oct;20(5):217–25 (33 ref.) (Eng. Abstr.) **(Ger)**

[Cerebral manifestations] Schimrigk K. **Verh Dtsch Ges Inn Med** 1990;96:541–6 (41 ref.) **(Ger)**

[Ethanol: current theories on its toxic effect with special reference to the effect on the central nervous system of adult mammals and during individual development] Felińska W, et al. **Postepy Hig Med Dosw** 1990; 44(1-3):113–37 (165 ref.) (Eng. Abstr.) **(Pol)**

[Neurologic aspects of resuscitation] Negovskiĭ VA. **Anesteziol Reanimatol** 1990 Jul-Aug;(4):3–6 (0 ref.) **(Rus)**

GENETICS

Mitochondrial defects of brain and muscle. De Vivo DC, et al. **Biol Neonate** 1990;58 Suppl 1:54–69 (64 ref.)

Familial intracranial arachnoid cysts. Pomeranz S, et al. **Childs Nerv Syst** 1991 Apr;7(2):100–2 (21 ref.)

Muscle mitochondrial DNA in encephalomyopathy and ragged red fibres: a Southern blot analysis and literature review. Geny C, et al. **J Neurol** 1991 Jun;238(3):171–6 (67 ref.)

Schizophrenia as a genetic encephalopathy. Crow TJ. **Recenti Prog Med** 1990 Nov;81(11):738–45 (60 ref.)

[Peripheral neuropathy in a sporadic case of cerebrotendinous xanthomatosis] Ben Hamida M, et al. **Rev Neurol (Paris)** 1991;147(5):385–8 (11 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

[A case of systemic xanthogranulomatosis with an intracranial lesion: immunohistochemical study] Miyachi S, et al. **No Shinkei Geka** 1991 Feb;19(2):185–90 (16 ref.) (Eng. Abstr.) **(Jpn)**

[Clinical aspects of mitochondrial encephalomyopathy--abnormality of mitochondrial respiratory chain] Nakagawa M, et al. **No To Shinkei** 1990 Aug;42(8):719–33 (165 ref.) **(Jpn)**

[Biochemistry of mitochondrial encephalomyopathy] Ozawa T, et al. **No To Shinkei** 1990 Aug;42(8):707–17 (42 ref.) **(Jpn)**

MICROBIOLOGY

Neuro-ophthalmic manifestations of human immunodeficiency virus infection. Friedman DI. **Neurol Clin** 1991 Feb;9(1):55–72 (92 ref.)

PARASITOLOGY

Neurocysticercosis: neurologic, pathogenic, diagnostic and therapeutic aspects. Davis LE, et al. **Eur Neurol** 1991; 31(4):229–40 (90 ref.)

The relation between involvement of the central nervous system in schistosomiasis mansoni and the clinical forms of the parasitosis. A review. Pittella JE. **J Trop Med Hyg** 1991 Feb;94(1):15–21 (93 ref.)

Exchange transfusion of whole blood in the treatment of cerebral malaria. Elder AT, et al. **Scott Med J** 1990 Oct; 35(5):146–7 (14 ref.)

Coenurosis of the central nervous system in a Nigerian. Malomo A, et al. **Trop Geogr Med** 1990 Jul;42(3):280–2 (12 ref.)

PATHOLOGY

Neuropathology of epilepsy. Dam AM. **Acta Neurochir Suppl (Wien)** 1990;50:20–5 (35 ref.)

Corticonigral degeneration with neuronal achromasia and basal neurofibrillary tangles. Paulus W, et al. **Acta Neuropathol (Berl)** 1990;81(1):89–94 (39 ref.)

MR demonstration of leukoencephalopathy associated with mitochondrial encephalomyopathy: case report. Sandhu FS, et al. **AJNR** 1991 Mar-Apr;12(2):375–9 (32 ref.)

Amyloid in central nervous system disease. Haan J, et al. **Clin Neurol Neurosurg** 1990;92(4):305–10 (39 ref.)

Leukoaraiosis: a reappraisal. II. MRI studies. Mascalchi M, et al. **Ital J Neurol Sci** 1991 Jun;12(3):271–9 (53 ref.)

MR imaging of anisotropically restricted diffusion of water in the nervous system: technical, anatomic, and pathologic considerations. Hajnal JV, et al. **J Comput Assist Tomogr** 1991 Jan-Feb;15(1):1–18 (40 ref.)

[Degenerative nervous system diseases] Mannen T. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):429–32 (2 ref.) **(Jpn)**

[Pathology of mitochondrial encephalomyopathies] Ohama E, et al. **No To Shinkei** 1990 Aug;42(8):735–46 (58 ref.) **(Jpn)**

[The reversibility of brain atrophy in alcoholics in radiologic evaluations] Sidorowicz S. **Psychiatr Pol** 1990 Jan-Feb; 24(1):31–5 (28 ref.) **(Pol)**

PHYSIOPATHOLOGY

Cerebral akinetopsia (visual motion blindness). A review. Zeki S. **Brain** 1991 Apr;114 (Pt 2):811–24 (68 ref.)

Different patterns of dissociation in unilateral spatial neglect. Cubelli R, et al. **Brain Cogn** 1991 Mar;15(2):139–59 (73 ref.)

Current concepts of neurocutaneous disorders. Berg BO. **Brain Dev** 1991;13(1):9–20 (145 ref.)

Conjugate deviation of the eyes in cerebral lesions. Tijssen CC. **Bull Soc Belge Ophtalmol** 1989;237:245–58 (62 ref.)

The neurology of aging: normal versus pathologic change. Morris JC, et al. **Geriatrics** 1991 Aug;46(8):47–8, 51–4 (33 ref.)

Which neurological examinations can be used to predict outcome during the neonatal period? Cowan F. **Int J Technol Assess Health Care** 1991;7 Suppl 1:118–24 (48 ref.)

Cerebral malaria: the unsolved riddle [editorial] Román GC. **J Neurol Sci** 1991 Jan;101(1):1–6 (49 ref.)

Mechanisms of blood-brain barrier breakdown. Greenwood J. **Neuroradiology** 1991;33(2):95–100 (57 ref.)

[Visual electrophysiology in 101 children with encephalopathy] Le Gargasson JF, et al. **J Fr Ophtalmol** 1990;13(8-9):441–8 (36 ref.) (Eng. Abstr.) **(Fre)**

[The principles of intercentral interaction--variants of disorders and the methods of restoration] Popova NS, et al. **Zh Vyssh Nerv Deiat** 1991 Jan-Feb;41(1):9–31 (97 ref.) **(Rus)**

[In search of new dimensions of neuropsychology?] Barraquer Bordás L. **Arch Neurobiol (Madr)** 1990 Jul-Aug; 53(4):185–92 (10 ref.) **(Spa)**

[Functional cerebral lateralization: neurobiology and clinical aspects in childhood] Narbona Garcia J. **Rev Med Univ Navarra** 1989 Apr-Jun;33(2):89–99 (128 ref.) (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Inactivation of the unconventional agents of scrapie, bovine

spongiform encephalopathy and Creutzfeldt-Jakob disease. Taylor DM. **J Hosp Infect** 1991 Jun;18 Suppl A:141–6 (51 ref.)

PSYCHOLOGY

Psychopathology of frontal lobe syndromes. Trimble MR. **Semin Neurol** 1990 Sep;10(3):287–94 (31 ref.)

RADIOGRAPHY

Prognostic significance of computed tomography of the brain in thrombotic thrombocytopenic purpura. Kay AC, et al. **Mayo Clin Proc** 1991 Jun;66(6):602–7 (11 ref.)

Radiographic manifestations of anomalies of the brain. Sato Y, et al. **Radiol Clin North Am** 1991 Mar;29(2):179–94 (68 ref.)

RADIONUCLIDE IMAGING

PET: its clinical role in neurology [editorial] Brooks D. **J Neurol Neurosurg Psychiatry** 1991 Jan;54(1):1–5 (63 ref.)

Pathomechanisms of the cerebral and myocardial glucose metabolism. Knapp WH. **Nuklearmedizin** 1990 Dec; 29(6):236–45 (129 ref.)

REHABILITATION

Rehabilitation in brain disorders. 2. Clinical manifestations and medical issues. Bontke CF, et al. **Arch Phys Med Rehabil** 1991 Mar;72(4–S):S320–3 (16 ref.)

Rehabilitation in brain disorders. 4. Specific disorders. Brandstater ME, et al. **Arch Phys Med Rehabil** 1991 Mar; 72(4–S):S332–40 (53 ref.)

Rehabilitation in brain disorders. 3. Intervention strategies. Cobble ND, et al. **Arch Phys Med Rehabil** 1991 Mar; 72(4–S):S324–31 (40 ref.)

Rehabilitation in brain disorders. 1. Basic sciences. Horn LJ. **Arch Phys Med Rehabil** 1991 Mar;72(4–S):S317–9 (17 ref.)

SURGERY

Surgical implications of cerebral dysgenesis. Cochrane DD, et al. **Can J Neurol Sci** 1991 May;18(2):181–95 (69 ref.)

The petrosal approach. Malis LI. **Clin Neurosurg** 1991; 37:528–40 (6 ref.)

THERAPY

Current management and treatment of complications of sinusitis in children. Gurucharri MJ, et al. **Ear Nose Throat J** 1991 Feb;70(2):107–12 (5 ref.)

An approach to respiratory distress and central nervous system emergencies. Kissoon N, et al. **Indian J Pediatr** 1991 Mar–Apr;58(2):191–203 (42 ref.)

ULTRASONOGRAPHY

Fetal choroid plexus cysts: a prospective study and review of the literature. Twining P, et al. **Br J Radiol** 1991 Feb; 64(758):98–102 (14 ref.)

Transcranial Doppler ultrasonography in neurosurgical practice. Smith RR, et al. **Clin Neurosurg** 1991;37:255–74 (35 ref.)

Neonatal cranial ultrasonography. Blickman JG, et al. **Curr Probl Diagn Radiol** 1991 May–Jun;20(3):91–119 (75 ref.)

The use of ultrasound in evaluating neurologic diseases of childhood. Fischer AQ. **Neurol Clin** 1990 Aug;8(3):759–74 (37 ref.)

VETERINARY

Bovine spongiform encephalopathy. Matthews D. **J R Soc Health** 1991 Feb;111(1):3–5 (7 ref.)

[Bovine spongiform encephalopathy: a new entity caused by a non-conventional transmissible agent] Parodi AL, et al. **Bull Acad Natl Med** 1990 Jun–Jul;174(6):731–9; discussion 740–1 (31 ref.) (Eng. Abstr.) **(Fre)**

[Bovine spongiform encephalopathy (BSE): state of knowledge and precautions] Stöber M. **DTW Dtsch Tierarztl Wochenschr** 1990 Dec;97(12):540–4 (67 ref.) (Eng. Abstr.) **(Ger)**

[BSE, bovine spongiform encephalopathy] Truyen U, et al. **Tierarztl Prax** 1990 Oct;18(5):463–8 (23 ref.) (Eng. Abstr.) **(Ger)**

BRAIN DISEASES, METABOLIC

CHEMICALLY INDUCED

[Neuropathological effects of alcoholism] Janzer RC. **Rev Med Suisse Romande** 1991 May;111(5):405–8 (25 ref.) **(Fre)**

DIAGNOSIS

Imaging of metabolic diseases of the brain. Edwards MK. **Curr Opin Radiol** 1991 Feb;3(1):25–30 (16 ref.)

Peroxisomal disorders. Naidu S, et al. **Neurol Clin** 1990 Aug; 8(3):507–28 (110 ref.)

ETIOLOGY

Developmental neuropsychiatry. Taylor E. **J Child Psychol Psychiatry** 1991 Jan;32(1):3–47 (210 ref.)

METABOLISM

Pathology of the central nervous system with special reference to the lipids. Sourander P. **Ups J Med Sci Suppl** 1990;48:145–72 (32 ref.)

BRAIN DYSFUNCTION, MINIMAL see **ATTENTION DEFICIT DISORDER WITH HYPERACTIVITY**

BRAIN EDEMA

DRUG THERAPY

Brain anti-cytoxic edema agents. Kimelberg HK, et al. **Prog Clin Biol Res** 1990;361:363–85 (67 ref.)

ETIOLOGY

[Fatal acute cerebral edema in a diabetic child] Brun TH, et al. **Ann Fr Anesth Reanim** 1990;9(6):553–6 (17 ref.) (Eng. Abstr.) **(Fre)**

NURSING

Understanding cerebral edema: implications for oncology nurses. Saba MT, et al. **Oncol Nurs Forum** 1991 Apr; 18(3):499–505 (25 ref.)

PHYSIOPATHOLOGY

Mediators of vasogenic brain edema. Wahl M, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):221–33 (77 ref.)

[Mediator substances of brain edema in cerebral ischemia] Baethmann A, et al. **Arzneimittelforschung** 1991 Mar; 41(3A):310–5 (25 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

[Treatment of ischemic cerebral edema with intracranial hypertension after neurosurgery of intracranial aneurysms] Artru F, et al. **Agressologie** 1990 Jun;31(6):367–71 (31 ref.) (Eng. Abstr.) **(Fre)**

BRAIN ELECTRICAL ACTIVITY MAPPING see **BRAIN MAPPING**

BRAIN INJURIES

Penetrating craniocerebral trauma. Rosenwasser RH, et al. **Surg Clin North Am** 1991 Apr;71(2):305–16 (49 ref.)

COMPLICATIONS

Posttraumatic epilepsy. Incidence and prophylaxis. Pagni CA. **Acta Neurochir Suppl (Wien)** 1990;50:38–47 (48 ref.)

Early lexical development in children with focal brain injury. Thal DJ, et al. **Brain Lang** 1991 May;40(4):491–527 (56 ref.)

Surgical approaches for resection of heterotopic ossification in traumatic brain-injured adults. Garland DE. **Clin Orthop** 1991 Feb;(263):59–70 (28 ref.)

Post-traumatic epilepsy: cellular mechanisms and implications for treatment. Willmore LJ. **Epilepsia** 1990;31 Suppl 3:S67–73 (79 ref.)

Neurogenic pulmonary edema. A review of the literature and a perspective. Ell SR. **Invest Radiol** 1991 May; 26(5):499–506 (119 ref.)

[Coagulation disorders in traumatic brain injuries] Knudsen F. **Ugeskr Laeger** 1991 Jul 29;153(31):2173–6 (28 ref.) (Eng. Abstr.) **(Dan)**

[The neurosurgical treatment of traumatic fronto-basal spinal fluid fistulas. 66 cases (1982–1986)] Probst C, et al. **Aktuel Traumatol** 1990 Oct;20(5):217–25 (33 ref.) (Eng. Abstr.) **(Ger)**

[The pathogenetic, clinical and treatment problems of the mental disorders in brain trauma] Smirnov VK, et al. **Voen Med Zh** 1991 Jan;(1):39–44 (19 ref.) (Eng. Abstr.) **(Rus)**

DIAGNOSIS

The relationship between neuropsychological function and brain damage detected by neuroimaging after closed head injury. Wilson JT. **Brain Inj** 1990 Oct–Dec;4(4):349–63 (66 ref.)

DRUG THERAPY

Neurobehavioral effects of phenytoin, carbamazepine, and valproic acid: implications for use in traumatic brain injury. Massagli TL. **Arch Phys Med Rehabil** 1991 Mar; 72(3):219–26 (54 ref.)

EPIDEMIOLOGY

Counting heads: estimating traumatic brain injury in New South Wales. Lyle DM, et al. **Community Health Stud** 1990; 14(2):118–25 (32 ref.)

ETIOLOGY

The influence of volume on the tolerance of the brain to radiosurgery. Marks LB, et al. **J Neurosurg** 1991 Aug; 75(2):177–80 (15 ref.)

PATHOLOGY

Astroglia in CNS injury. Hatten ME, et al. **GLIA** 1991; 4(2):233–43 (93 ref.)

PHYSIOPATHOLOGY

Acute brain injury, NMDA receptors, and hydrogen ions: observations in cortical cell cultures. Choi DW, et al. **Adv Exp Med Biol** 1990;268:501–4 (31 ref.)

Platelet-activating factor in stroke and brain injury. Lindsberg PJ, et al. **Ann Neurol** 1991 Aug;30(2):117–29 (103 ref.)

Brain protection: physiological and pharmacological considerations. Part I: The physiology of brain injury. Murdoch J, et al. **Can J Anaesth** 1990 Sep;37(6):663–71 (98 ref.)

Electrophysiological assessment of cognitive disorder in closed head-injured outpatients. Campbell KB, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:202–15 (47 ref.)

Somatosensory evoked potentials in severe head trauma. Facco E, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:330–41 (81 ref.)

Biomechanics of head injury. Demann D, et al. **Int J Neurosci** 1990 Sep;54(1–2):101–17 (25 ref.)

The brain: a dynamic system tending toward homeostasis. Leisman D. **Int J Neurosci** 1990 Sep;54(1–2):119–24 (7 ref.)

Diffuse axonal injury in non-missile head injury [editorial] Adams JH, et al. **J Neurol Neurosurg Psychiatry** 1991 Jun; 54(6):481–3 (30 ref.)

Systems analysis of cerebrovascular pressure transmission: an observational study in head-injured patients. Piper IR, et al. **J Neurosurg** 1990 Dec;73(6):871–80 (29 ref.)

Mesial frontal lobe syndromes: correlations between neurological deficits and radiological localizations. Mochizuki H, et al. **Tohoku J Exp Med** 1990 Aug;161 Suppl:231–9 (18 ref.)

[Multiparametric monitoring in craniocephalic trauma] Proietti R, et al. **Minerva Anestesiol** 1990 Jul–Aug; 56(7–8):313–23 (22 ref.) **(Ita)**

[Effect of brain injury on the rate of wound healing in bone fractures] Słowiński K, et al. **Wiad Lek** 1990 Nov 1–15; 43(21–22):1059–62 (16 ref.) (Eng. Abstr.) **(Pol)**

PSYCHOLOGY

Traumatic brain injury and marital relationships: a literature review. Liss M, et al. **Int J Rehabil Res** 1990;13(4):309–20 (52 ref.)

Head-injured parents and their children. Psychosocial consequences of a traumatic syndrome. Urbach JR, et al. **Psychosomatics** 1991 Winter;32(1):24–33 (77 ref.)

REHABILITATION

The experimental technology of brain transplantation: implications for rehabilitation. Deckel AW. **Adv Clin Rehabil** 1990;3:270–93 (84 ref.)

Rehabilitation in brain disorders. 4. Specific disorders. Brandstater ME, et al. **Arch Phys Med Rehabil** 1991 Mar; 72(4–S):S332–40 (53 ref.)

Return to school following severe closed head injury: a critical phase in pediatric rehabilitation. Carney J, et al. **Pediatrician** 1990;17(4):222–9 (15 ref.)

[Comments on specific early rehabilitation of patients with severe craniocerebral trauma] Schreiber P, et al. **Rehabilitation (Stuttg)** 1990 Nov;29(4):238–41 (20 ref.) (Eng. Abstr.) **(Ger)**

[Psychiatric aspect of rehabilitation of patients after cerebro-spinal injury (review of the literature)] Dobrokhotova TA, et al. **Zh Nevropatol Psikhiatr** 1990;90(12):94–100 (142 ref.) **(Rus)**

SURGERY

On the management of neonatal tentorial damage. Eight case reports and a review of the literature. Govaert P, et al. **Acta Neurochir (Wien)** 1990;106(1–2):52–64 (32 ref.)

[Surgical treatment of acute craniocerebral trauma] Gugg E, et al. **Aktuel Traumatol** 1991 Apr;21(2):35–9 (14 ref.) (Eng. Abstr.) **(Ger)**

[Diagnosis and surgical treatment of craniocerebral trauma within the scope of polytrauma management] Zink PM, et al. **Unfallchirurg** 1991 Mar;94(3):122–8 (30 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

[The treatment of traumatic intracerebral hematomas] Lantukh AV. **Zh Vopr Neirokhir** 1991 Jan–Feb;(1):27–30 (114 ref.) **(Rus)**

ULTRASONOGRAPHY

[Transcranial Doppler in anesthesia and intensive care] Granry JC. **Ann Fr Anesth Reanim** 1991;10(2):127–36 (39 ref.) (Eng. Abstr.) **(Fre)**

BRAIN MAPPING

Experience-dependent formation of binocular maps in frogs. Possible involvement of N-methyl-D-aspartate receptors. Udin SB, et al. **Ann N Y Acad Sci** 1991;627:26–41 (50 ref.)

Plasticity of sensory and motor maps in adult mammals. Kaas JH. **Annu Rev Neurosci** 1991;14:137–67 (158 ref.)

EEG mapping for surgery of epilepsy. Collura TF, et al. **Brain Topogr** 1990 Fall;3(1):65–77 (33 ref.)

Quantified neurophysiology with mapping: statistical inference, exploratory and confirmatory data analysis. Duffy FH, et al. **Brain Topogr** 1990 Fall;3(1):3–12 (57 ref.)
Beyond topographic mapping: towards functional–anatomical imaging with 124–channel EEGs and 3–D MRIs. Gevins A, et al. **Brain Topogr** 1990 Fall; 3(1):53–64 (28 ref.)
Past, present and future of topographic mapping. Lehmann D. **Brain Topogr** 1990 Fall;3(1):191–202 (29 ref.)
On the controversies about clinical use of EEG brain mapping. Nuwer MR. **Brain Topogr** 1990 Fall;3(1):103–11 (28 ref.)
Advances in neuromagnetic topography and source localization. Romani GL. **Brain Topogr** 1990 Fall; 3(1):95–102 (29 ref.)
Global field power and topographic similarity. Skrandies W. **Brain Topogr** 1990 Fall;3(1):137–41 (13 ref.)
Evolution of neuromagnetic topographic mapping. Williamson SJ, et al. **Brain Topogr** 1990 Fall;3(1):113–27 (63 ref.)
Beware of the average reference in brain mapping. Desmedt JE, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990; 41:22–7 (29 ref.)
Projection of the mammalian superior colliculus upon the dorsal lateral geniculate nucleus: organization of tectogeniculate pathways in nineteen species. Harting JK, et al. **J Comp Neurol** 1991 Feb 8;304(2):275–306 (137 ref.)
Mapping the metabolic correlates of drug–induced euphoria. London ED, et al. **NIDA Res Monogr** 1991;105:54–60 (32 ref.)
How sensory cortex is subdivided in mammals: implications for studies of prefrontal cortex. Kaas JH. **Prog Brain Res** 1990;85:3–10; discussion 10–1 (37 ref.)
Contributions of topography and parallel processing to odor coding in the vertebrate olfactory pathway. Kauer JS. **Trends Neurosci** 1991 Feb;14(2):79–85 (54 ref.)
Plasticity of auditory maps in the brain. King AJ, et al. **Trends Neurosci** 1991 Jan;14(1):31–7 (50 ref.)
Distributed spatial coding in the superior colliculus: a review. McIlwain JT. **Vis Neurosci** 1991 Jan;6(1):3–13 (118 ref.)
[MRI, geometric distortion of the image and stereotaxy] Derosier C, et al. **J Radiol** 1991 Jun–Jul;72(6–7):349–53 (10 ref.) (Eng. Abstr.) **(Fre)**
[Brain bioelectricity. Considerations on its study in psychiatry] Lolas F. **Acta Psiquiatr Psicol Am Lat** 1990 Jan–Jun;36(1–2):53–8 (16 ref.) (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Visual information processing of computed topographic electrical activity brain maps. Klymenko V, et al. **J Clin Neurophysiol** 1990 Oct;7(4):484–97 (51 ref.)
Adequacy of the International 10–20 electrode system for computed neurophysiologic topography. Myslobodsky MS, et al. **J Clin Neurophysiol** 1990 Oct;7(4):507–18 (52 ref.)

METHODS

Dynamic brain mapping methodology and application. Itil TM, et al. **Int J Psychophysiol** 1991 Jan;10(3):281–91 (42 ref.)
Statistical aspects of neurophysiologic topography. Abt K. **J Clin Neurophysiol** 1990 Oct;7(4):519–34 (12 ref.)
A critical review of clinical applications of topographic mapping of brain potentials. Lopes da Silva FH. **J Clin Neurophysiol** 1990 Oct;7(4):535–51 (53 ref.)
The development of EEG brain mapping. Nuwer MR. **J Clin Neurophysiol** 1990 Oct;7(4):459–71 (48 ref.)
Precautions in topographic mapping and in evoked potential map reading. Perrin F, et al. **J Clin Neurophysiol** 1990 Oct; 7(4):498–506 (25 ref.)
The brain a geometry engine. Koenderink JJ. **Psychol Res** 1990;52(2–3):122–7 (45 ref.)
Self–organizing maps for internal representations. Ritter H. **Psychol Res** 1990;52(2–3):128–36 (37 ref.)
[Topographic electroencephalography and its clinical application] Tan Y, et al. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1991 Feb; 24(1):53–6 (15 ref.) **(Chi)**

BRAIN NEOPLASMS

Pediatric brain tumors. Warnick RE, et al. **Curr Probl Pediatr** 1991 Apr;21(4):129–73; discussion 174–5 (295 ref.)
Brain tumors (2). Black PM. **N Engl J Med** 1991 May 30; 324(22):1555–64 (221 ref.)
Brain tumors. I. Black PM. **N Engl J Med** 1991 May 23; 324(21):1471–6 (103 ref.)
Central nervous system malignancies in children. Geyer JR, et al. **N Y State J Med** 1990 Dec;90(12):601–8 (48 ref.)
Third ventricle cavernous angioma: report of two cases. Ogawa A, et al. **Surg Neurol** 1990 Dec;34(6):414–20 (23 ref.)
[Primary lymphoma of the central nervous system. Review of recent literature data] Socie G, et al. **Bull Cancer (Paris)** 1991;78(2):133–44 (74 ref.) (Eng. Abstr.) **(Fre)**

CHEMISTRY

Basic fibroblast growth factor and somatomedin C in human medulloepithelioma. Shiurba RA, et al. **Cancer** 1991 Aug 15;68(4):798–808 (102 ref.)
Neurocytogenesis and tumor development in the rat. Giordana MT. **J Neurosurg Sci** 1990 Jul–Dec; 34(3–4):167–70 (23 ref.)

CLASSIFICATION

Classification of primary intracranial sarcomas and other central nervous system neoplasms. Ironside JW. **Histopathology** 1991 May;18(5):483–6 (30 ref.)

COMPLICATIONS

Neurocytoma accompanied by intraventricular hemorrhage: case report and literature review. Smoker WR, et al. **AJNR Am J Neuroradiol** 1991 Jul–Aug;12(4):765–70 (11 ref.)
Brainstem germinoma presenting as intermittent apnoea: a rare entity: report of one patient and review of literature. Poungvarin N, et al. **J Med Assoc Thai** 1991 Jan;74(1):55–60 (12 ref.)
"Angioglioma" and the arteriovenous malformation–glioma association. Lombardi D, et al. **J Neurosurg** 1991 Oct; 75(4):589–66 (28 ref.)
Subdural hematoma associated with metastatic neoplasms. McKenzie CR, et al. **Neurosurgery** 1990 Oct;27(4):619–24; discussion 624–5 (51 ref.)
[Electroencephalography, epilepsy and brain tumor] Revol M, et al. **Pediatrie** 1991;46(1):23–9 (25 ref.) (Eng. Abstr.) **(Fre)**
[Intracerebral cavernous angioma and transient ischemic complications] De Smet Y, et al. **Rev Neurol (Paris)** 1990; 146(8–9):513–5 (10 ref.) (Eng. Abstr.) **(Fre)**

CONGENITAL

Neonatal intracranial choriocarcinoma. Chandra SA, et al. **Arch Pathol Lab Med** 1990 Oct;114(10):1079–82 (20 ref.)
Congenital glioblastoma multiforme—report of an autopsy case. Jung WH, et al. **J Korean Med Sci** 1990 Dec; 5(4):225–31 (14 ref.)

DIAGNOSIS

Brain tumors in children: a review. Lacayo A, et al. **Ann Clin Lab Sci** 1991 Jan–Feb;21(1):26–35 (50 ref.)
Central nervous system germinomas. A review. Horowitz MB, et al. **Arch Neurol** 1991 Jun;48(6):652–7 (65 ref.)
Multicentric gliomas: two case reports and a review of the literature. Mishra HB, et al. **Br J Neurosurg** 1990;4(6):535–9 (20 ref.)
Primary neoplasms of the central nervous system in children. Harwood–Nash DC. **Cancer** 1991 Feb 15;67(4 Suppl):1223–8 (38 ref.)
Primary intracranial extradural Burkitt–type lymphoma. A unique presentation with unilateral loss of vision in a child. Tekkök IH, et al. **Childs Nerv Syst** 1991 Jun;7(3):172–4 (17 ref.)
Diagnostic imaging advances in neurooncology. Van Tassel P, et al. **Curr Opin Oncol** 1991 Jun;3(3):439–48 (62 ref.)
Imaging of central nervous system tumors. Dillon WP. **Curr Opin Radiol** 1991 Feb;3(1):46–50 (27 ref.)
Markers of central nervous system tumors. Birkmayer GD. **Immunol Ser** 1990;53:317–22 (32 ref.)
CNS imaging of neoplasms. Bragg DG, et al. **Int J Radiat Oncol Biol Phys** 1991 Aug;21(3):841–5 (12 ref.)
Curvilinear and tubulonodular varieties of lipoma of the corpus callosum: an MR and CT study. Tart RP, et al. **J Comput Assist Tomogr** 1991 Sep–Oct;15(5):805–10 (52 ref.)
Magnetic resonance imaging contrast agents: theory and application to the central nervous system. Bronen RA, et al. **J Neurosurg** 1990 Dec;73(6):820–39 (82 ref.)
Primary embryonal–cell carcinoma of the parietal lobe. Case report. Koeleveld RF, et al. **J Neurosurg** 1991 Sep; 75(3):468–71 (23 ref.)
Second intracranial neoplasms following treatment of childhood acute lymphoblastic leukaemia. Vowels MR, et al. **J Paediatr Child Health** 1991 Feb;27(1):43–6 (36 ref.)
Magnetic resonance imaging diagnosis of an intracranial metastasis of adenocarcinoma of the prostate: case report. Capito PR, et al. **Md Med J** 1991 Feb;40(2):113–5 (10 ref.)
Magnetic resonance in pediatric and adolescent neuroimaging. Barnes PD. **Neurol Clin** 1990 Aug; 8(3):741–57 (80 ref.)
Primary central nervous system lymphoma: a new clinical challenge [editorial] DeAngelis LM. **Neurology** 1991 May; 41(5):619–21 (26 ref.)
An unusual complication of silastic dural substitute: case report. Ng TH, et al. **Neurosurgery** 1990 Sep;27(3):491–3 (12 ref.)
Intracranial lymphoblastic sarcoma mimicking a primary brain tumor. Kowal–Vern A, et al. **Pediatr Neurosci** 1989; 15(3):136–8 (8 ref.)
Neuroimaging for central nervous system tumors. Jaeckle KA. **Semin Oncol** 1991 Apr;18(2):150–7 (27 ref.)
Primary angiosarcoma of the brain. Cookston M, et al. **South Med J** 1991 Apr;84(4):517–20 (22 ref.)
Angiotropic intravascular large–cell lymphoma (malignant angioendotheliomatosis): report of a case and review of the literature. Fredericks RK, et al. **Surg Neurol** 1991 Mar; 35(3):218–23 (27 ref.)
Intracranial chordoma in a preadolescent. Case report. Oppenheim JS, et al. **Surg Neurol** 1991 Mar;35(3):230–3 (23 ref.)
Brain tumors. Black KL, et al. **West J Med** 1991 Feb; 154(2):186–97 (106 ref.)
[Cerebral granulocytic sarcoma disclosing acute non–lymphoblastic leukemia] Millot F, et al. **Arch Fr Pediatr** 1991 Feb;48(2):123–5 (7 ref.) (Eng. Abstr.) **(Fre)**
[Hemispheric tumors] Carrie C, et al. **Pediatrie** 1991; 46(1):95–100 (24 ref.) (Eng. Abstr.) **(Fre)**
[Primary germinal tumors of the central nervous system] Plantaz D, et al. **Pediatrie** 1991;46(1):87–93 (28 ref.) (Eng. Abstr.) **(Fre)**
[Brain stem tumors in children] Plantaz D, et al. **Pediatrie** 1991;46(1):79–85 (14 ref.) (Eng. Abstr.) **(Fre)**
[Contribution of imaging in the diagnosis and follow–up of brain tumors] Thiesse P, et al. **Pediatrie** 1991;46(1):7–22 (31 ref.) (Eng. Abstr.) **(Fre)**
[Diagnostic value of biochemical tumor markers in brain tumors. Review of the literature and own experience with serum analysis of sialic acid (NANA), carcinoembryonic antigen (CEA) and neuron–specific enolase (NSE)] Flaschka G, et al. **Zentralbl Neurochir** 1990;51(3):129–37 (80 ref.) (Eng. Abstr.) **(Ger)**
[31P–MRS (brain tumors)] Hashimoto T, et al. **Nippon Rinsho** 1991 Jul;49(7):1660–7 (13 ref.) **(Jpn)**
[31P chemical shift imaging of cerebral infarction, intracerebral hematoma and brain tumor] Sasahira M, et al. **Nippon Rinsho** 1991 Jul;49(7):1690–6 (27 ref.) **(Jpn)**
[Histological diagnosis of brain tumors: (17). Subependymal giant cell astrocytoma] Tabuchi K. **No Shinkei Geka** 1991 Jul;19(7):603–9 (20 ref.) **(Jpn)**

DRUG THERAPY

Should cerebral metastases be treated by chemotherapy alone? Twelves CJ, et al. **Ann Oncol** 1991 Jan;2(1):15–7 (40 ref.)
Medical treatment of high grade malignant gliomas in adults: an overview. Brandes A, et al. **Anticancer Res** 1991 Mar–Apr;11(2):719–27 (144 ref.)
Polymers to treat brain tumours. Brem H. **Biomaterials** 1990 Nov;11(9):699–701 (26 ref.)
Chemotherapy for brain metastases: recent developments and clinical considerations. Siegers HP. **Cancer Treat Rev** 1990 Mar;17(1):63–76 (104 ref.)
Chemotherapy for malignant brain tumors. Yung WK. **Curr Opin Oncol** 1990 Aug;2(4):673–8 (28 ref.)
Cerebral angiotropic large cell lymphoma (neoplastic angioendotheliosis): therapeutic considerations. Williams DB, et al. **J Neurol Sci** 1991 May;103(1):16–21 (44 ref.)
Interstitial chemotherapy for brain tumors: review. Tomita T. **J Neurooncol** 1991 Feb;10(1):57–74 (96 ref.)
Clinical trials: bringing research to the bedside. Arvay CA. **J Neurosci Nurs** 1991 Feb;23(1):64–7 (9 ref.)
Chemotherapy for glioblastoma multiforme. Lord J, et al. **J Neurosci Nurs** 1991 Feb;23(1):68–70 (7 ref.)
Immunotherapy of brain tumors. Sawamura Y, et al. **J Neurosurg Sci** 1990 Jul–Dec;34(3–4):265–78 (29 ref.)
Photodynamic therapy of brain tumours—post–operative "field fractionation". Muller P, et al. **J Photochem Photobiol B** 1991 Apr;9(1):117–9 (6 ref.)
Forbeck forum on improved drug delivery to brain tumors. Freeman AI, et al. **Sci Cancer Ther** 1990 Fall;6(3):109–18 (31 ref.)
Lonidamine in malignant brain tumors. Schiffer D, et al. **Semin Oncol** 1991 Apr;18(2 Suppl 4):38–41 (41 ref.)
[Current indications of chemotherapy in the treatment of malignant brain tumors in children] Kalifa C, et al. **Bull Cancer (Paris)** 1990;77(12):1169–74 (18 ref.) (Eng. Abstr.) **(Fre)**
[Role of chemotherapy in the treatment of brain tumors] Chastagner P, et al. **Pediatrie** 1991;46(1):47–58 (84 ref.) (Eng. Abstr.) **(Fre)**
[Use of chemotherapy in brain tumors in children—possibilities and perspectives] Barjaktarević Z, et al. **Srp Arh Celok Lek** 1989 Nov–Dec;117(11–12):837–49 (62 ref.) (Eng. Abstr.) **(Scc)**

EPIDEMIOLOGY

Brain tumours in south Brazil: a retrospective study of 438 cases. Torres LF, et al. **Arq Neuropsiquiatr** 1990 Sep; 48(3):279–85 (25 ref.)
The cause of death in patients with glioblastoma is multifactorial: clinical factors and autopsy findings in 117 cases of supratentorial glioblastoma in adults. Silbergeld DL, et al. **J Neurooncol** 1991 Apr;10(2):179–85 (29 ref.)

ETIOLOGY

A report on radiation–induced gliomas. Salvati M, et al. **Cancer** 1991 Jan 15;67(2):392–7 (56 ref.)
Recent studies on neurotoxicity and on the epidemiology of brain and nervous system tumors. Forman A. **Curr Opin Oncol** 1990 Aug;2(4):691–8 (47 ref.)
Pathways of oncogenesis in primary brain tumors. Steck PA, et al. **Curr Opin Oncol** 1991 Jun;3(3):476–84 (96 ref.)
A case of dyschondroplasia associated with brain stem glioma: diagnosis by stereotactic biopsy. Patt S, et al. **Neurosurgery** 1990 Sep;27(3):487–91 (21 ref.)
Late anaplastic gliomas in children previously treated for acute lymphoblastic leukemia. Shapiro S, et al. **Pediatr Neurosci** 1989;15(4):176–80 (59 ref.)
[Two autopsied cases of radiation–induced gliosarcoma]

Kawaguchi S, et al. **No Shinkei Geka** 1991 Mar; 19(3):285–90 (18 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

Molecular genetic aspects of glial tumour evolution. James CD, et al. **Cancer Surv** 1990;9(4):631–44 (62 ref.)

Molecular genetics of primary intracranial tumors. Collins VP, et al. **Curr Opin Oncol** 1990 Aug;2(4):666–72 (9 ref.)

Nonfamilial intestinal polyposis and brain tumor in a 5-year-old girl. Castello MA, et al. **Pediatr Hematol Oncol** 1987;4(3):247–60 (28 ref.)

[Chromosome anomalies in brain tumors] Berthéas MF, et al. **Pediatrie** 1991;46(1):65–9 (28 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Immunotherapy of brain tumors. Sawamura Y, et al. **J Neurosurg Sci** 1990 Jul–Dec;34(3–4):265–78 (29 ref.)

METABOLISM

Expression of TGF-beta 2 in human glioblastoma: a role in resistance to immune rejection? Fontana A, et al. **Ciba Found Symp** 1991;157:232–8; discussion 238–41 (26 ref.)

MICROBIOLOGY

SV40 and human brain tumors. Geissler E. **Prog Med Virol** 1990;37:211–22 (41 ref.)

Inoue-Melnick virus and associated diseases in man: recent advances. Inoue YK. **Prog Med Virol** 1991;38:167–79 (47 ref.)

MORTALITY

Medulloblastoma in adulthood. Ferrante L, et al. **J Neurosurg Sci** 1991 Jan–Mar;35(1):23–30 (23 ref.)

Survival of patients with well-differentiated astrocytomas diagnosed in the era of computed tomography. Vertosick FT Jr, et al. **Neurosurgery** 1991 Apr;28(4):496–501 (20 ref.)

PATHOLOGY

Neuropathology of epilepsy. Dam AM. **Acta Neurochir Suppl (Wien)** 1990;50:20–5 (35 ref.)

Bone metastasis associated with shunt-related peritoneal deposits from a pineal germinoma. Case report and review of the literature. Pallini R, et al. **Acta Neurochir (Wien)** 1991;109(1–2):78–83 (35 ref.)

Imaging of adult central nervous system primary malignant gliomas. Staging and follow-up. Zimmerman RA. **Cancer** 1991 Feb 15;67(4 Suppl):1278–83 (29 ref.)

Primary CNS malignant rhabdoid tumor (MRT): report of two cases and review of literature. Chou SM, et al. **Clin Neuropathol** 1991 Jan–Feb;10(1):1–10 (25 ref.)

Primary cerebral lymphoma—a clinico-pathological study. Hardwidge C, et al. **Clin Neuropathol** 1990 Sep–Oct; 9(5):217–23 (36 ref.)

Cellular and molecular studies in brain and nervous system oncology. Ali-Osman F, et al. **Curr Opin Oncol** 1990 Aug; 2(4):655–65 (48 ref.)

Pathology and neuroepidemiology of the brain and nervous system. Schiffer D. **Curr Opin Oncol** 1991 Jun;3(3):449–58 (108 ref.)

Intracranial astrocytoma: pathology, diagnosis and clinical presentation. Willis D. **J Neurosci Nurs** 1991 Feb;23(1):7–14 (23 ref.)

Immunocytochemical evidence of lymphocytic derivation of neoplastic cells in malignant angioendotheliomatosis. Clark WC, et al. **J Neurosurg** 1991 May;74(5):757–62 (31 ref.)

Primary angiosarcoma of the central nervous system. Study of eight cases and review of the literature. Mena H, et al. **J Neurosurg** 1991 Jul;75(1):73–6 (21 ref.)

Glioma malignancy and its biological and histological correlates. Schiffer D. **J Neurosurg Sci** 1990 Jul–Dec; 34(3–4):163–5 (22 ref.)

Histologic and clinical factors of prognostic significance in astrocytic gliomas. Soffietti R. **J Neurosurg Sci** 1990 Jul–Dec;34(3–4):231–4 (36 ref.)

Rhabdoid tumor of the central nervous system [clinical conference] Perilongo G, et al. **Med Pediatr Oncol** 1991; 19(4):310–7 (35 ref.)

Primary central nervous system lymphoma in patients with and without the acquired immune deficiency syndrome. A retrospective analysis and review of the literature. Remick SC, et al. **Medicine (Baltimore)** 1990 Nov; 69(6):345–60 (150 ref.)

Clinicopathological study of multiple gliomas—report of three cases. Kato T, et al. **Neurol Med Chir (Tokyo)** 1990 Aug;30(8):604–9 (21 ref.)

Subependymoma with rhabdomyosarcomatous differentiation: report of a case and literature review. Tomlinson FH, et al. **Neurosurgery** 1991 May;28(5):761–8 (50 ref.)

Long-term consequences of CNS treatment for childhood cancer, Part I: Pathologic consequences and potential for oncogenesis. Cohen ME, et al. **Pediatr Neurol** 1991 May–Jun;7(3):157–63 (48 ref.)

Primitive neuroectodermal tumors (PNETs) of the CNS and PNS that express functional nerve growth factor receptors (NGFR) but fail to differentiate in response to NGF. Reddy UR, et al. **Prog Clin Biol Res** 1991;366:243–8 (31 ref.)

Cerebral granular cell tumor occurring with glioblastoma multiforme: case report. Harris CP, et al. **Surg Neurol** 1991 Sep;36(3):202–6 (17 ref.)

[Clinical pathology of pleomorphic xanthoastrocytoma] Lu DH, et al. **Chung-hua Ping Li Hsueh Tsa Chih** 1990 Sep; 19(3):233–4 (16 ref.) **(Chi)**

[Malignant primary non-Hodgkin's lymphoma of the central nervous system. Anatomo-clinical analysis of 35 cases] Vergier B, et al. **Ann Pathol** 1990;10(4):268–74 (45 ref.) (Eng. Abstr.) **(Fre)**

[Cerebral medulloepithelioma. Apropos of a case and review of 20 cases in the literature] Kchir N, et al. **Arch Anat Cytol Pathol** 1991;39(1–2):22–6 (31 ref.) (Eng. Abstr.) **(Fre)**

[Cell proliferation in human cerebral tumors. In vivo study of 45 cases by incorporation of 5-iododesoxyuridine] Duprez A, et al. **Neurochirurgie** 1990;36(3):157–66 (35 ref.) (Eng. Abstr.) **(Fre)**

[Recent data in pathological anatomy of primary brain tumors] Tommasi M, et al. **Pediatrie** 1991;46(1):31–7 (36 ref.) (Eng. Abstr.) **(Fre)**

[Morphology and prognosis of intracranial tumors] Mennel HD, et al. **Fortschr Neurol Psychiatr** 1991 Feb;59(2):35–42 (44 ref.) (Eng. Abstr.) **(Ger)**

[Histological diagnosis of brain tumors: (16). Malignant lymphoma] Arita N, et al. **No Shinkei Geka** 1991 May; 19(5):401–6 (29 ref.) **(Jpn)**

[Histological diagnosis of brain tumors: (15). Pineocytoma, pineoblastoma] Kumanishi T, et al. **No Shinkei Geka** 1991 Feb;19(2):115–20 (34 ref.) (Eng. Abstr.) **(Jpn)**

[Primary lymphoma of the central nervous system] Diez Manglano J, et al. **Rev Clin Esp** 1991 Jan;188(1):41–3 (70 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

[Growth factors and oncogenes in brain tumors: the model of glioblastoma and medulloblastoma] Frappaz D, et al. **Pediatrie** 1991;46(1):59–64 (29 ref.) (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Cognitive deficits in long-term survivors of childhood brain tumors. Glauser TA, et al. **Childs Nerv Syst** 1991 Feb; 7(1):2–12 (35 ref.)

Neuropsychologic (cognitive) disabilities in long-term survivors of childhood cancer. Gamis AS, et al. **Pediatrician** 1991;18(1):11–9 (60 ref.)

RADIOGRAPHY

Survival of patients with well-differentiated astrocytomas diagnosed in the era of computed tomography. Vertosick FT Jr, et al. **Neurosurgery** 1991 Apr;28(4):496–501 (20 ref.)

[Cerebral venous angiomas. 12 personal cases and review of the literature] Tannier C, et al. **Rev Neurol (Paris)** 1991; 147(5):356–63 (31 ref.) (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

Validity of PET studies in brain tumors. Herholz K, et al. **Cerebrovasc Brain Metab Rev** 1990 Fall;2(3):240–65 (154 ref.)

Clinical application of PET for the evaluation of brain tumors. Coleman RE, et al. **J Nucl Med** 1991 Apr; 32(4):616–22 (52 ref.)

Single photon emission computed tomography imaging of brain tumors. Biersack HJ, et al. **Semin Nucl Med** 1991 Jan;21(1):2–10 (29 ref.)

RADIOTHERAPY

Clinical considerations for neutron capture therapy of brain tumors. Madoc-Jones H, et al. **Basic Life Sci** 1990;54:23–35 (10 ref.)

Radiotherapy for tumors of the central nervous system. Maor MH, et al. **Curr Opin Oncol** 1990 Aug;2(4):679–82 (14 ref.)

Malignant glioma: current treatment perspectives. Adams BA, et al. **J Neurosci Nurs** 1991 Feb;23(1):15–9 (20 ref.)

Radiosurgery: a nursing perspective. Krause EA, et al. **J Neurosci Nurs** 1991 Feb;23(1):24–8 (7 ref.)

The gamma knife: implications for nursing practice and patient education. Neatherlin JS, et al. **J Neurosci Nurs** 1991 Feb;23(1):71–4 (12 ref.)

Improving radiotherapy for brain tumors. Woo SY, et al. **Oncology (Williston Park)** 1990 Jun;4(6):41–5; discussion 48, 53 (31 ref.)

Combined external radiotherapy and brachytherapy of brain tumors: a review. De Santis M, et al. **Rays** 1991 Jan–Mar; 16(1):31–5 (14 ref.) **(Eng, Ita)**

[Neurologic complications of brain radiotherapy: contribution of experimental studies] Delattre JY, et al. **Bull Cancer (Paris)** 1990;77(7):715–24 (41 ref.) (Eng. Abstr.) **(Fre)**

[Modern technics of irradiation of brain tumors in children] Habrand JL, et al. **Bull Cancer (Paris)** 1990;77(7):725–36 (48 ref.) (Eng. Abstr.) **(Fre)**

[Role of radiotherapy in the treatment of brain tumors] Bey P. **Pediatrie** 1991;46(1):39–45 (25 ref.) (Eng. Abstr.) **(Fre)**

[Fractionation and radiation injury—clinical aspect] Kikuchi Y, et al. **Gan No Rinsho** 1990 Oct;36(13):2337–47 (45 ref.) (Eng. Abstr.) **(Jpn)**

SECONDARY

Metastatic adenocarcinoma in cerebral astrocytoma: clinicopathological and immunohistochemical study with review of the literature. Tajika Y, et al. **Acta Neurochir (Wien)** 1990;105(1–2):50–5 (18 ref.)

Should cerebral metastases be treated by chemotherapy alone? Twelves CJ, et al. **Ann Oncol** 1991 Jan;2(1):15–7 (40 ref.)

Intracranial metastases from malignant pleural mesothelioma. Report of three autopsy cases and review of the literature. Falconieri G, et al. **Arch Pathol Lab Med** 1991 Jun; 115(6):591–5 (26 ref.)

CNS therapy in small-cell lung cancer. Kristjansen PE, et al. **Cancer Treat Res** 1989;45:275–99 (83 ref.)

Chemotherapy for brain metastases: recent developments and clinical considerations. Siegers HP. **Cancer Treat Rev** 1990 Mar;17(1):63–76 (104 ref.)

An autopsy case of malignant fibrous histiocytoma of the mediastinum, presenting multiple metastases to the small intestine and to the brain—a rare case report with a review of the literature. Misonou J, et al. **Gastroenterol Jpn** 1990 Dec;25(6):746–52 (17 ref.)

Early brain metastases in endometrial carcinoma. Kottke-Marchant K, et al. **Gynecol Oncol** 1991 Apr; 41(1):67–73 (29 ref.)

Magnetic resonance imaging diagnosis of an intracranial metastasis of adenocarcinoma of the prostate: case report. Capito PR, et al. **Md Med J** 1991 Feb;40(2):113–5 (10 ref.)

Hepatocellular carcinoma with central nervous system metastasis: a case report and literature review. Friedman HD. **Med Pediatr Oncol** 1991;19(2):139–44 (23 ref.)

Spinal cord glioblastoma multiforme with intracranial dissemination—case report. Asano N, et al. **Neurol Med Chir (Tokyo)** 1990 Jul;30(7):489–94 (21 ref.)

Intracranial oncotic aneurysms from choriocarcinoma. Case report and review of the literature. Hove B, et al. **Neuroradiology** 1990;32(6):526–8 (24 ref.)

Diagnosis and management of brain metastasis from gestational trophoblastic disease. Weed JC Jr, et al. **Oncology (Williston Park)** 1991 Jun;5(6):48–50; discussion 50, 53–4 (7 ref.)

[Brain metastases of malignant melanomas] Boaziz C, et al. **Bull Cancer (Paris)** 1991;78(4):347–53 (32 ref.) (Eng. Abstr.) **(Fre)**

[Long-term survival after surgery of solitary cerebral metastasis of lung cancer. Clinical case and review of the literature] Noterman J, et al. **Neurochirurgie** 1990; 36(5):308–11 (26 ref.) (Eng. Abstr.) **(Fre)**

[Systemic therapy of cerebral metastases in breast carcinoma] Kreuser ED, et al. **Dtsch Med Wochenschr** 1991 Aug 2; 116(31–32):1203–7 (45 ref.) **(Ger)**

[Rupture of intracranial aneurysm due to intravascular metastasis of choriocarcinoma. Case report] Mori K, et al. **Neurol Med Chir (Tokyo)** 1990;30(11 Spec No):858–62 (23 ref.) (Eng. Abstr.) **(Jpn)**

[Cerebral metastases in adenocarcinoma of the colon] Rovirosa A, et al. **Rev Esp Enferm Dig** 1991 Apr; 79(4):281–3 (15 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Surgical management of lesions within the cavernous sinus. Sekhar LN, et al. **Clin Neurosurg** 1991;37:440–89 (73 ref.)

Recent advances in neurosurgery. Berger M. **Curr Opin Oncol** 1990 Aug;2(4):683–90 (59 ref.)

Neurosurgery issues in oncology. Sawaya R. **Curr Opin Oncol** 1991 Jun;3(3):459–66 (46 ref.)

Epilepsy and brain tumors: implications for treatment. Cascino GD. **Epilepsia** 1990;31 Suppl 3:S37–44 (40 ref.)

Surgical therapy of malignant gliomas. Paoletti P, et al. **J Neurosurg Sci** 1990 Jul–Dec;34(3–4):289–95 (25 ref.)

Neonatal intracranial teratomas. Hunt SJ, et al. **Surg Neurol** 1990 Nov;34(5):336–42 (30 ref.)

Surgically treated cavernous angiomas of the brain stem: report of two cases and review of the literature. LeDoux MS, et al. **Surg Neurol** 1991 May;35(5):395–9 (16 ref.)

[Psychosocial management of glioma patients treated with combined therapy] Schmidt B, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Aug; 42(8):494–9 (16 ref.) (Eng. Abstr.) **(Ger)**

[Subfrontal schwannoma: a case report] Nagao S, et al. **No Shinkei Geka** 1991 Jan;19(1):47–51 (25 ref.) (Eng. Abstr.) **(Jpn)**

[Cavernous malformation of the brain stem: clinical symptom and its surgical indication] Uede T, et al. **No Shinkei Geka** 1991 Jan;19(1):27–34 (17 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Conductive, interstitial hyperthermia: a new modality for treatment of intracranial tumors. Marchosky JA, et al. **Adv Exp Med Biol** 1990;267:129–43 (72 ref.)

Hyperthermia for the treatment of brain tumors. Page RC, et al. **Adv Exp Med Biol** 1990;267:145–53 (55 ref.)

Brain tumors. Malkin MG, et al. **Cancer Chemother Biol Response Modif** 1990;11:555–74 (57 ref.)

Neuroblastoma, retinoblastoma, and brain tumors in children. Brodeur GM, et al. **Curr Opin Oncol** 1991 Jun;3(3):485–96 (74 ref.)

Treatment of gliomas in adults. Ushio Y. **Curr Opin Oncol** 1991 Jun;3(3):467–75 (42 ref.)

Pediatric neuro-oncology: controversies in current therapy. Jennings MT. **Indian J Pediatr** 1990 Jul–Aug;57(4):461–8 (25 ref.)

Multimodal treatment of adult intracranial gliomas. Shapiro S, et al. **Indiana Med** 1991 Apr;84(4):246–50 (21 ref.)
The treatment of primary malignant brain tumours [editorial; comment] Whittle IR, et al.
J Neurol Neurosurg Psychiatry 1991 Feb;54(2):101–3 (41 ref.) Comment on: J Neurol Neurosurg Psychiatry 1991 Feb;54(2):182–3.
The therapy of primary brain lymphoma. Hochberg FH, et al. **J Neurooncol** 1991 Jun;10(3):191–201 (66 ref.)
Advances in the care of children with brain tumors. Baron MC. **J Neurosci Nurs** 1991 Feb;23(1):39–43 (18 ref.)
ImuVert therapy in the treatment of recurrent malignant astrocytomas: nursing implications. Cress NB, et al.
J Neurosci Nurs 1991 Feb;23(1):29–33 (20 ref.)
Hyperthermia treatment for malignant brain tumors: nursing management during therapy. Edwards DK, et al.
J Neurosci Nurs 1991 Feb;23(1):34–8 (21 ref.)
Successful treatment of a pineal endodermal sinus tumor. Case report. Kirkove CS, et al. **J Neurosurg** 1991 May; 74(5):832–6 (33 ref.)
Fluid therapy in neurosurgical patients. Frost EA.
Middle East J Anesthesiol 1991 Feb;11(1):39–52 (31 ref.)
Tumors of the central nervous system. Improvement in outcome through a multimodality approach. Friedman HS, et al. **Pediatr Clin North Am** 1991 Apr;38(2):381–91 (44 ref.)
Leukemia in a child with a history of medulloblastoma [see comments] Blatt J, et al. **Pediatr Hematol Oncol** 1991 Jan–Mar;8(1):77–82 (17 ref.) Comment in: Pediatr Hematol Oncol 1991 Jan–Mar;8(1):vii.
[Medulloblastoma in children. Current treatments and future perspectives] Gentet JC, et al. **Ann Pediatr (Paris)** 1991 Mar;38(3):137–41 (55 ref.) (Eng. Abstr.) **(Fre)**
[Tumors of aqueduct of Sylvius. Presentation of 5 cases and review of the literature] Rilliet B, et al. **Neurochirurgie** 1990;36(6):336–46 (27 ref.) (Eng. Abstr.) **(Fre)**
[Neuropsychological sequelae in children treated for brain tumor] Langue J, et al. **Pediatrie** 1991;46(1):101–8 (19 ref.) (Eng. Abstr.) **(Fre)**
[Endocrine complications of treatment of brain tumors in children] Nicolino M, et al. **Pediatrie** 1991;46(1):109–19 (41 ref.) (Eng. Abstr.) **(Fre)**
[Primary non-Hodgkin lymphomas of the central nervous system] Hutschenreuter M, et al. **Nervenarzt** 1991 Feb; 62(2):69–79 (119 ref.) (Eng. Abstr.) **(Ger)**
[Significance of monoclonal antibodies in diagnosis and therapy of tumors of the central nervous system] Lippitz BE, et al. **Nervenarzt** 1990 Oct;61(10):587–96 (88 ref.) **(Ger)**

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the central nervous system. Jänisch W. **IARC Sci Publ** 1990;(99):677–98 (98 ref.)
Diagnostic imaging of intracranial lesions. Bailey MQ.
Semin Vet Med Surg (Small Anim) 1990 Nov;5(4):232–6 (34 ref.)
Metastatic neoplasms of the central nervous system. Fenner WR. **Semin Vet Med Surg (Small Anim)** 1990 Nov; 5(4):253–61 (68 ref.)
Preliminary study of lomustine in the treatment of intracranial masses in dogs following localization by imaging techniques. Fulton LM, et al.
Semin Vet Med Surg (Small Anim) 1990 Nov;5(4):241–5 (16 ref.)
Genesis and pathology of tumors of the nervous system. Johnson GC. **Semin Vet Med Surg (Small Anim)** 1990 Nov; 5(4):210–22 (66 ref.)
The clinical presentation and diagnosis of intracranial neoplasia. Nafe LA. **Semin Vet Med Surg (Small Anim)** 1990 Nov;5(4):223–31 (17 ref.)
The role of magnetic resonance spectroscopy in neuro-oncology. Shores A, et al.
Semin Vet Med Surg (Small Anim) 1990 Nov;5(4):237–40 (7 ref.)

BRAIN REVASCULARIZATION see **CEREBRAL REVASCULARIZATION**

BRAIN STEM

Listeria brainstem encephalitis: two own cases and literature review [published erratum appears in Infection 1991 May–Jun;19(3):189] Kohler J, et al. **Infection** 1991 Jan–Feb; 19(1):36–40 (48 ref.)
Brainstem germinoma presenting as intermittent apnoea: a rare entity: report of one patient and review of literature. Poungvarin N, et al. **J Med Assoc Thai** 1991 Jan;74(1):55–60 (12 ref.)
Subependymoma with rhabdomyosarcomatous differentiation: report of a case and literature review. Tomlinson FH, et al. **Neurosurgery** 1991 May;28(5):761–8 (50 ref.)
Brainstem death: the evolution of a concept. Pallis C.
Semin Thorac Cardiovasc Surg 1990 Apr;2(2):135–52 (123 ref.)
Surgically treated cavernous angiomas of the brain stem: report of two cases and review of the literature. LeDoux MS, et al. **Surg Neurol** 1991 May;35(5):395–9 (16 ref.)
[Brain stem tumors in children] Plantaz D, et al.
Pediatrie 1991;46(1):79–85 (14 ref.) (Eng. Abstr.) **(Fre)**
[Lesions of the cranial nerves and brain stem] Malin JP. **Verh Dtsch Ges Inn Med** 1990;96:547–53 (22 ref.) **(Ger)**

ANATOMY & HISTOLOGY

Descending motor pathways and the spinal motor system: limbic and non-limbic components. Holstege G.
Prog Brain Res 1991;87:307–421 (546 ref.)
MR of the brain stem: a practical approach. Bradley WG Jr. **Radiology** 1991 May;179(2):319–32 (17 ref.)
Brainstem–spinal cord projections in the cat, related to control of head and axial movements. Holstege G.
Rev Oculomot Res 1988;2:431–70 (134 ref.)

BLOOD SUPPLY

[Cavernous malformation of the brain stem: clinical symptom and its surgical indication] Uede T, et al.
No Shinkei Geka 1991 Jan;19(1):27–34 (17 ref.) (Eng. Abstr.) **(Jpn)**
[Superior petrosal sinus dural arteriovenous malformation with varix indenting brain stem--report of a case and review of the literature] Nishino A, et al.
No To Shinkei 1991 Jan;43(1):62–9 (25 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Short-latency evoked magnetic fields from the human auditory brainstem. Erné SN, et al. **Adv Neurol** 1990; 54:167–76 (17 ref.)
The central serotoninergic system. Malmgren R.
Cephalalgia 1990 Aug;10(4):199–204 (25 ref.)
Cerebral cortical and brainstem areas related to the central control of lens accommodation in cat and monkey. Bando T, et al. **Comp Biochem Physiol [C]** 1991;98(1):229–37 (116 ref.)
Commissural vestibular nuclear coupling: a powerful putative site for producing adaptive change. Galiana HL.
Rev Oculomot Res 1985;1:327–39 (0 ref.)
Brainstem regions related to saccade generation. Hepp K, et al. **Rev Oculomot Res** 1989;3:105–212 (322 ref.)
Brain stem mechanism in ocular motor function. Marx P.
Tohoku J Exp Med 1990 Aug;161 Suppl:167–82 (23 ref.)

PHYSIOPATHOLOGY

A continuum model of activity waves in layered neuronal networks: a neuropsychology of brainstem seizures. Koch P, et al. **Int J Neurosci** 1990 Sep;54(1–2):41–62 (29 ref.)
[Review of the significance of early auditory evoked potentials in diagnosis of neurologic diseases in childhood] Mattigk G. **Kinderarztl Prax** 1991 Mar;59(3):60–3 (16 ref.) (Eng. Abstr.) **(Ger)**

BRAIN STEM AUDITORY EVOKED POTENTIALS see **EVOKED POTENTIALS, AUDITORY, BRAIN STEM**

BRAIN TISSUE TRANSPLANTATION

Neural transplantation--what are the real possibilities? Bakay RA. **Clin Neurosurg** 1991;37:179–92 (46 ref.)
Grafting of catecholaminergic cells in the mammalian brain and reconstruction of disturbed function: basic problems to be solved. Nishino H, et al.
Comp Biochem Physiol [C] 1991;98(1):211–20 (58 ref.)
Transplantation of polymer encapsulated neurotransmitter secreting cells: effect of the encapsulation technique. Aebischer P, et al. **J Biomech Eng** 1991 May;113(2):178–83 (49 ref.)
Transplantation of embryonic dopamine neurons: what we know from rats [editorial] Dunnett SB. **J Neurol** 1991 Apr; 238(2):65–74 (102 ref.)
Tracheostomy scar revision using allogeneic dura. Carlson ER, et al. **J Oral Maxillofac Surg** 1991 Mar;49(3):315–8 (3 ref.)
Intracerebral grafting: a tool for the neurobiologist. Gage FH, et al. **Neuron** 1991 Jan;6(1):1–12 (80 ref.)
Transplantation of glial cell cultures into areas of demyelination in the adult CNS. Blakemore WF, et al.
Prog Brain Res 1990;82:225–32 (24 ref.)
Current progress in studies of GnRH cell-containing brain grafts in hypogonadal mice. Gibson MJ, et al.
Prog Brain Res 1990;82:169–78 (33 ref.)
Grafts, growth factors and grafts that make growth factors. Olson L, et al. **Prog Brain Res** 1990;82:55–66 (45 ref.)
The clinical application of cell grafting techniques in patients with Parkinson's disease. Quinn NP. **Prog Brain Res** 1990; 82:619–25 (38 ref.)
Brain grafting for Parkinson's disease. Experimental, clinical, and immunological considerations. Fiandaca MS.
Transplantation 1991 Mar;51(3):549–56 (123 ref.)
Study of epigenesis throws up new targets for drug research. Demeneix B. **Trends Pharmacol Sci** 1990 Oct;11(10):389–92 (27 ref.)
[Transplantation of the sympathetic ganglion into the brain--induction of axonal outgrowth from the graft] Ooiwa Y, et al. **No To Shinkei** 1991 Feb;43(2):129–37 (63 ref.) **(Jpn)**

ADVERSE EFFECTS

Creutzfeldt-Jakob disease from allogeneic dura: a review of risks and safety. Marx RE, et al.
J Oral Maxillofac Surg 1991 Mar;49(3):272–4; discussion 274–5 (11 ref.)

METHODS

The experimental technology of brain transplantation: implications for rehabilitation. Deckel AW.
Adv Clin Rehabil 1990;3:270–93 (84 ref.)
Transplants in Parkinson's disease. Lindvall O.
Eur Neurol 1991;31 Suppl 1:17–27 (71 ref.)
Development of human neural transplantation. Madrazo I, et al. **Neurosurgery** 1991 Aug;29(2):165–76; discussion 176–7 (119 ref.)
Practical aspects of the use of human fetal brain tissue for intracerebral grafting. Brundin P, et al. **Prog Brain Res** 1990;82:707–14 (37 ref.)
Grafts and growth factors in CNS. Basic science with clinical promise. Olson L. **Stereotact Funct Neurosurg** 1990; 54–55:250–67 (51 ref.)
[Intracerebral grafts in Parkinson's disease] Menei P, et al.
Presse Med 1991 Mar 23;20(11):513–7 (29 ref.) (Eng. Abstr.) **(Fre)**
[Transplantation of dopamine producing nerve cells: a new therapy in idiopathic Parkinson syndrome?] Kupsch A, et al. **Nervenarzt** 1991 Feb;62(2):80–91 (127 ref.) **(Ger)**

PHYSIOLOGY

What have we learned about the jimpy phenotype expression by intracerebral transplantations? Lachapelle F, et al.
Ann N Y Acad Sci 1990;605:332–45 (43 ref.)
Developmental and functional aspects of grafting of the suprachiasmatic nucleus in the Brattleboro and the arrhythmic rat. Boer GJ, et al. **Eur J Morphol** 1990; 28(2–4):330–45 (42 ref.)
Synapse formation in the adult brain after lesions and after transplantation of embryonic tissue. Raisman G, et al.
J Exp Biol 1990 Oct;153:277–87 (23 ref.)
Nigral grafts in neonatal rats: protection from aphagia induced by subsequent adult 6-OHDA lesions. Rogers DC, et al. **Prog Brain Res** 1990;82:489–92 (19 ref.)
Functional effects of neural grafting in the mammalian central nervous system. Kimble DP. **Psychol Bull** 1990 Nov; 108(3):462–79 (180 ref.)

BRANCH RETINAL ARTERY OCCLUSION see **RETINAL ARTERY OCCLUSION**

BRANCHED-CHAIN KETOACIDURIA see **MAPLE SYRUP URINE DISEASE**

BRANCHIAL ARCHES see **BRANCHIAL REGION**

BRANCHIAL CLEFTS see **BRANCHIAL REGION**

BRANCHIAL CYST see **BRANCHIOMA**

BRANCHIAL REGION

The branchio-oculo-facial syndrome. Lin AE, et al.
Cleft Palate Craniofac J 1991 Jan;28(1):96–102 (9 ref.)

ABNORMALITIES

Branchial cleft anomalies: a five-year retrospective review. Kenealy JF, et al.
Trans Pa Acad Ophthalmol Otolaryngol 1990;42:1022–5 (11 ref.)

PATHOLOGY

Tumors of the neck showing thymic or related branchial pouch differentiation: a unifying concept. Chan JK, et al.
Hum Pathol 1991 Apr;22(4):349–67 (84 ref.)

BRANCHIOMA

Fourth branchial pouch sinus: diagnosis and treatment. Rosenfeld RM, et al. **Otolaryngol Head Neck Surg** 1991 Jul;105(1):44–50 (22 ref.)

DIAGNOSIS

Congenital head and neck masses in infants and children. Part I [published erratum appears in Ear Nose Throat J 1991 Jun;70(6):354] Guarisco JL. **Ear Nose Throat J** 1991 Jan;70(1):40–7 (35 ref.)

PATHOLOGY

Lymphoepithelial cyst of the parotid gland [see comments] Camilleri AC, et al. **Br J Oral Maxillofac Surg** 1990 Oct; 28(5):329–32 (17 ref.) Comment in: Br J Oral Maxillofac Surg 1991 Apr;29(2):138–9.
[Carcinoma inside of an amygdaloid cyst. Apropos of a case] Lefebvre P, et al. **Ann Otolaryngol Chir Cervicofac** 1991; 108(3):185–9 (19 ref.) (Eng. Abstr.) **(Fre)**

BRANHAMELLA CATARRHALIS

ISOLATION & PURIFICATION

[Pneumonia caused by Branhamella catarrhalis. A well-documented case (letter)] Gómez Garcés JL, et al.
Enferm Infecc Microbiol Clin 1991 Jan;9(1):65–6 (10 ref.) **(Spa)**

PATHOGENICITY

Branhamella catarrhalis: an organism gaining respect as a

pathogen. Catlin BW. **Clin Microbiol Rev** 1990 Oct; 3(4):293–320 (329 ref.)
[Branhamella catarrhalis: its respiratory pathogenicity in childhood] Moreno Galdo A, et al. **An Esp Pediatr** 1990 Aug;33(2):135–9 (26 ref.) (Eng. Abstr.) **(Spa)**

BRASSICA

Modification of carcinogen metabolism by indolylic autolysis products of Brassica oleraceae. Bradfield CA, et al. **Adv Exp Med Biol** 1991;289:153–63 (64 ref.)

BRDU see **BROMODEOXYURIDINE**

BREAD

Toxicity and carcinogenicity of potassium bromate—a new renal carcinogen. Kurokawa Y, et al. **Environ Health Perspect** 1990 Jul;87:309–35 (111 ref.)
Yeast spoilage of bakery products and ingredients. Legan JD, et al. **J Appl Bacteriol** 1991 May;70(5):361–71 (58 ref.)

BREAKBONE FEVER VIRUS see **DENGUE VIRUS**

BREAST

see related
LACTATION
MASTECTOMY

Toxic shock syndrome following insertion of breast prostheses. Olesen LL, et al. **Br J Surg** 1991 May; 78(5):585–6 (12 ref.)
Implementation of breast cancer screening. Pisano ED, et al. **Curr Opin Radiol** 1991 Aug;3(4):579–87 (30 ref.)
Breast prostheses: a critical review. Szycher M, et al. **J Biomater Appl** 1991 Apr;5(4):256–81 (131 ref.)
Cancer chemoprevention by supplemental carotenoids and synergism with retinol in mastodynia treatment. Santamaria LA, et al. **Med Oncol Tumor Pharmacother** 1990; 7(2–3):153–67 (48 ref.)
Should breast self-examination be included in a mammographic screening program? Feig SA. **Recent Results Cancer Res** 1990;119:151–64 (31 ref.)
Roentgenographic evaluation of the augmented breast. Douglas KP, et al. **South Med J** 1991 Jan;84(1):49–54 (28 ref.)

ANATOMY & HISTOLOGY

Accessibility and possibility of elimination of breast epithelium: the theoretical possibility of preventing breast carcinoma through destruction of the epithelium of origin [published erratum appears in Med Hypotheses 1991 Feb;34(2):190] Pansera F. **Med Hypotheses** 1990 Oct; 33(2):107–11 (32 ref.)

CYTOLOGY

Proliferation of cultivated cells from normal, preneoplastic and neoplastic human breast tissue—preliminary report. Nissen E, et al. **Acta Histochem Suppl** 1990;39:181–7 (33 ref.)
Human mammary epithelial cells in culture: differentiation and transformation. Stampfer MR, et al. **Cancer Treat Res** 1988;40:1–24 (45 ref.)
Growth control of normal and malignant breast epithelium. Lippman ME, et al. **Prog Clin Biol Res** 1990;354A:147–78 (230 ref.)

DRUG EFFECTS

Caffeine and the development of normal, benign and carcinomatous human breast tissues: a relationship? Wolfrom D, et al. **J Med** 1990;21(5):225–50 (90 ref.)

GROWTH & DEVELOPMENT

Tenascin in mammary gland development: from embryogenesis to carcinogenesis. Sakakura T, et al. **Cancer Treat Res** 1991;53:383–400 (53 ref.)
[Hormones and breast development] Bagramian ER, et al. **Akush Ginekol (Mosk)** 1990 Dec;(12):3–6 (45 ref.) **(Rus)**
[Heterologous hormonal regulation in the mammary gland] Sapag-Hagar M, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):183–7 (19 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Giant cell arteritis (temporal arteritis) affecting the breast: report of two cases and review of published reports. McKendry RJ, et al. **Ann Rheum Dis** 1990 Dec; 49(12):1001–4 (23 ref.)
Studies of tamoxifen in women with mastalgia. Fentiman IS, et al. **Br J Clin Pract Symp Suppl** 1989 Nov;68:34–6; discussion 49–53 (7 ref.)
The clinical assessment of mastalgia. Mansel RE. **Br J Clin Pract Symp Suppl** 1989 Nov;68:17–20; discussion 23–5 (14 ref.)
Mammographically guided fine-needle aspiration cytology of nonpalpable breast lesions. Jackson VP. **Curr Opin Radiol** 1990 Oct;2(5):741–5 (11 ref.)
New insights into mammographic correlations in breast pathology. Troupin RH, et al. **Curr Opin Radiol** 1991 Aug; 3(4):593–601 (37 ref.)
Internal mammary lymphadenopathy: imaging of a vital lymphatic pathway in breast cancer. Scatarige JC, et al. **Radiographics** 1990 Sep;10(5):857–70 (14 ref.)
The accuracy of malignant diagnoses established by fine needle aspiration cytologic procedures of mammary masses. Nicastri GR, et al. **Surg Gynecol Obstet** 1991 Jun; 172(6):457–60 (20 ref.)
Aberrant breast tissue of the perineum—a report on two cases. Park YN, et al. **Yonsei Med J** 1990 Jun;31(2):182–6 (26 ref.)
[Diagnostic imaging of the breast—a survey] Hasert V. **Radiol Diagn (Berl)** 1990;31(5):425–32 (57 ref.) (Eng. Abstr.) **(Ger)**
[Idiopathic prepubertal gynecomastia] Hernánz de la Fuente F, et al. **Cir Pediatr** 1989 Apr;2(2):79–82 (19 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Stromal-epithelial interactions in normal and neoplastic mammary gland. Haslam SZ. **Cancer Treat Res** 1991; 53:401–20 (81 ref.)
[Significance in unilateral intermittent breast stimulation in prenatal diagnosis] Szántó F, et al. **Orv Hetil** 1991 Feb 24;132(8):417–9 (23 ref.) (Eng. Abstr.) **(Hun)**

SURGERY

Cosmetic breast surgery—is it useful? Green MF. **Br J Clin Pract Symp Suppl** 1989 Nov;68:151–5; discussion 157–8 (11 ref.)
Mammography of the altered breast. Destouet JM. **Curr Opin Radiol** 1990 Oct;2(5):734–40 (19 ref.)
Is silicone associated with connective tissue disease? Seleznick MJ, et al. **J Fla Med Assoc** 1991 Feb;78(2):85–7 (31 ref.)
Management of local and regional recurrence after mastectomy or breast-conserving treatment. Ames FC, et al. **Surg Clin North Am** 1990 Oct;70(5):1115–24 (34 ref.)
Reconstruction after mastectomy. Bostwick J 3d. **Surg Clin North Am** 1990 Oct;70(5):1125–40 (32 ref.)
Selection of breast-preservation therapy for primary invasive breast carcinoma. Cady B, et al. **Surg Clin North Am** 1990 Oct;70(5):1047–59 (39 ref.)
Breast reconstruction: progress in the past decade. Elliott LF, et al. **World J Surg** 1990 Nov–Dec;14(6):763–75 (47 ref.)
[Advances in augmentation mammaplasty] Liu LG, et al. **Chung Hua Cheng Hsing Shao Shang Wai Ko Tsa Chih** 1991 Mar;7(1):58–60 (21 ref.) **(Chi)**
[Plastic surgery aspects in small breast cancer] Spilker G, et al. **Chirurg** 1991 Feb;62(2):91–7 (21 ref.) **(Ger)**
[Immediate breast reconstruction and oncologic criteria: our current definition] Pompei S, et al. **Rev Paul Med** 1990 Jan–Feb;108(1):21–5 (30 ref.) (Eng. Abstr.) **(Por)**

BREAST DISEASES

Benign breast disease. Beller FK, et al. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):587–90 (15 ref.)

CHEMICALLY INDUCED

Caffeine and the development of normal, benign and carcinomatous human breast tissues: a relationship? Wolfrom D, et al. **J Med** 1990;21(5):225–50 (90 ref.)

CLASSIFICATION

The ANDI concept and classification of benign breast disorders: an update. Hughes LE. **Br J Clin Pract Symp Suppl** 1989 Nov;68:1–6; discussion 23–5 (10 ref.)

DIAGNOSIS

Biological, biochemical and morphological markers of breast disorders and of breast cancer. Leathem AJ. **Acta Histochem Suppl** 1990;40:51–8 (41 ref.)
Aspiration cytology of breast. Hajdu SI, et al. **Clin Lab Med** 1991 Jun;11(2):357–68 (26 ref.)
Benign pathology of the breast. Beller FK, et al. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):462–5 (20 ref.)
Benign breast disorders: a symptomatic approach. Ettinger DS, et al. **Hosp Pract (Off Ed)** 1987 Sep 30;22(9A):75–7, 80–2 (9 ref.)
Breast disease. The role of the nurse-midwife. Brucker MC, et al. **J Nurse Midwifery** 1991 Jan–Feb;36(1):63–73 (34 ref.)
[Appropriate diagnostic steps for proper clinical evaluation of breast lesions in the community] Roisman I, et al. **Harefuah** 1991 Mar 1;120(5):266–70 (19 ref.) **(Heb)**
[Cytological diagnosis of the breast. Aspiration technics] Croce P, et al. **Minerva Ginecol** 1991 Jan–Feb; 43(1–2):47–51 (43 ref.) (Eng. Abstr.) **(Ita)**
[Occult mammary lesions: preoperative localization. Review of the literature] Volpe T, et al. **Minerva Ginecol** 1990 Oct; 42(10):393–7 (55 ref.) (Eng. Abstr.) **(Ita)**

DRUG THERAPY

[Hormone treatment of benign breast diseases] Mauvais-Jarvis P. **Bull Cancer (Paris)** 1991;78(4):365–71 (30 ref.) **(Fre)**
[Medical treatment of mastopathies at risk] Pons JY. **Rev Fr Gynecol Obstet** 1991 Jan;86(1):29–32 (10 ref.) (Eng. Abstr.) **(Fre)**

EPIDEMIOLOGY

Follow-up as an alternative to biopsy for probably benign mammographically detected abnormalities. Brenner RJ. **Curr Opin Radiol** 1991 Aug;3(4):588–92 (30 ref.)
[Oral contraception and benign breast diseases: point of view of the epidemiologist] Lê MG, et al. **Bull Cancer (Paris)** 1991;78(4):357–63 (37 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Nonpalpable, probably benign breast lesions: follow-up strategies after initial detection on mammography. Adler DD, et al. **AJR Am J Roentgenol** 1990 Dec;155(6):1195–201 (44 ref.)
Giant cell arteritis (temporal arteritis) affecting the breast: report of two cases and review of published reports. McKendry RJ, et al. **Ann Rheum Dis** 1990 Dec; 49(12):1001–4 (23 ref.)
The cytopathology of benign breast disease: criteria for diagnosis and an assessment of accuracy. Herbert AP. **Br J Clin Pract Symp Suppl** 1989 Nov;68:11–6; discussion 23–5 (15 ref.)
Percutaneous biopsies of the breast: state of the art. Fornage BD. **Cardiovasc Intervent Radiol** 1991 Jan–Feb;14(1):29–39 (50 ref.)
[Ultrasound-guided needle biopsy in non-palpable breast lesions. Technic, evaluation, management—72 cases] Lahaye C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991; 20(1):41–9 (16 ref.) (Eng. Abstr.) **(Fre)**
[What is "mastopathy at risk" for the anatomopathologist?] Contesso G, et al. **Rev Fr Gynecol Obstet** 1991 Jan; 86(1):9–12 (7 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

The characteristics of microcalcifications. Guyer PB, et al. **Br J Clin Pract Symp Suppl** 1989 Nov;68:121–4; discussion 133–6 (12 ref.)
Mammography in younger women. Grumbach Y, et al. **Curr Opin Radiol** 1991 Aug;3(4):602–10 (16 ref.)
[Diagnostic value of calcifications in mammography] Tetti C, et al. **Rev Fr Gynecol Obstet** 1990 Jul–Sep;85(7–9):461–6 (12 ref.) (Eng. Abstr.) **(Fre)**
[Indications mammography—preventive mammography] Hasert V. **Z Arztl Fortbild (Jena)** 1991 Apr 10; 85(7):293–300 (15 ref.) **(Ger)**

ULTRASONOGRAPHY

[Breast echography] Cosmacini P, et al. **Radiol Med (Torino)** 1991 Jan–Feb;81(1–2):140–9 (39 ref.) **(Ita)**

BREAST DYSPLASIA see **FIBROCYSTIC DISEASE OF BREAST**

BREAST FEEDING

Antirheumatic drugs in pregnancy and lactation. Brooks PM, et al. **Baillieres Clin Rheumatol** 1990 Apr;4(1):157–71 (112 ref.)
Weaning as an approach to the 'non-self'. Burgio GR, et al. **Beitr Infusionther** 1991;27:15–30 (51 ref.)
The puerperium, breastfeeding, and breast milk. Lawrence RA. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):23–30 (13 ref.)
Lactation and contraception. Kennedy KI. **Ginecol Obstet Mex** 1990 Apr–May;58 Suppl 1:25–34 (70 ref.)
Breastfeeding and the use of psychotropic medication: a review. Buist A, et al. **J Affective Disord** 1990 Jul; 19(3):197–206 (55 ref.)
Energy requirements of breast-fed infants. Butte NF, et al. **J Am Coll Nutr** 1991 Jun;10(3):190–5 (22 ref.)
Role of breast-feeding in the prevention and treatment of diarrhoea. Huffman SL, et al. **J Diarrhoeal Dis Res** 1990 Sep;8(3):68–81 (57 ref.)
Breast-feeding and health in the 1980s: a global epidemiologic review. Cunningham AS, et al. **J Pediatr** 1991 May;118(5):659–66 (99 ref.)
Nutritional vitamin B12 deficiency in infancy: three case reports and a review of the literature. Doyle JJ, et al. **Pediatr Hematol Oncol** 1989;6(2):161–72 (27 ref.)
Lactation in insulin-dependent diabetes. Neubauer SH. **Prog Food Nutr Sci** 1990;14(4):333–70 (138 ref.)
[The breast and the breasts] Lebovici S, et al. **Psychiatr Enfant** 1990;33(1):5–36 (20 ref.) (Eng. Abstr.) **(Fre)**
[Current aspects of infant nutrition] Baerlocher K. **Padiatr Padol** 1991;26(1):5–12 (32 ref.) (Eng. Abstr.) **(Ger)**
[Does breast feeding protect from atopic diseases?] Haschke F, et al. **Padiatr Padol** 1990;25(6):415–20 (17 ref.) (Eng. Abstr.) **(Ger)**

BREAST NEOPLASMS

Hamartoma of the breast. McGuire LI, et al. **Aust N Z J Surg** 1991 Sep;61(9):713–6 (10 ref.)
A review of the natural history of fibroadenomas. Smallwood JA. **Br J Clin Pract Symp Suppl** 1989 Nov;68:144–6; discussion 157–8 (9 ref.)
In-situ carcinoma of the breast. Phipps RF, et al.

Br J Hosp Med 1990 Sep;44(3):168–70, 172 (30 ref.)
Breast malignancy. Bender HG, et al.
Curr Opin Obstet Gynecol 1991 Feb;3(1):58–65 (41 ref.)
New developments in breast cancer research. Veronesi U, et al. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):591–9 (40 ref.)
Breast carcinoma. Stegner HE, et al. **Curr Top Pathol** 1991; 83:459–74 (44 ref.)
Biology and natural history of breast cancer. Pontén J, et al. **Int J Cancer Suppl** 1990;5:5–21 (98 ref.)
Metastatic malignant cystosarcoma phyllodes. Report of a case presenting with an oral tumour and review of the literature. Yoshimura Y, et al. **J Craniomaxillofac Surg** 1991 Jul;19(5):227–31 (13 ref.)
Breast cancer: highlights for the nineties. Leis HP Jr. **J S C Med Assoc** 1991 Jan;87(1):26–9 (11 ref.)
Carcinoma of the male breast. Seitzinger JW. **N J Med** 1990 Oct;87(10):803–9 (19 ref.)
Estrogen replacement therapy: is previously treated cancer a contraindication? Creasman WT. **Obstet Gynecol** 1991 Feb;77(2):308–12 (20 ref.)
The question of estrogen replacement therapy in patients with a prior diagnosis of breast cancer. Spicer D, et al. **Oncology (Williston Park)** 1990 Dec;4(12):49–54, 59; discussion 59, 62 (35 ref.)
Male breast cancer. Crichlow RW, et al.
Surg Clin North Am 1990 Oct;70(5):1165–77 (100 ref.)
Radiotherapeutic treatment for breast cancer choroidal metastases. Panizzoni GA, et al. **Tumori** 1990 Dec 31; 76(6):563–5 (14 ref.)
[What is mastopathy at risk? Epidemiologic and clinical basis] Gorins A, et al. **Rev Fr Gynecol Obstet** 1991 Jan;86(1):4–8 (11 ref.) (Eng. Abstr.) **(Fre)**
[Breast osteosarcoma. Review of the literature and presentation of two cases] Rodier-Bruant C, et al. **Rev Fr Gynecol Obstet** 1991 Jan;86(1):43–8 (35 ref.) (Eng. Abstr.) **(Fre)**
[Systemic therapy of cerebral metastases in breast carcinoma] Kreuser ED, et al. **Dtsch Med Wochenschr** 1991 Aug 2; 116(31–32):1203–7 (45 ref.) **(Ger)**
[Cancer of the male breast: a case contribution and review of the literature] De Palma M, et al. **G Chir** 1988 Mar–Apr; 9(3–4):213–7 (31 ref.) (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Oral contraceptives and breast cancer. Schlesselman JJ. **Am J Obstet Gynecol** 1990 Oct;163(4 Pt 2):1379–87 (58 ref.)
Consumption of methylxanthine-containing beverages and the risk of breast cancer. Lubin F, et al. **Cancer Lett** 1990 Sep;53(2–3):81–90 (54 ref.)
Neoplastic effects of oral contraceptives. Grimes DA. **Int J Fertil** 1991;36 Suppl 1:19–24 (20 ref.)
Caffeine and the development of normal, benign and carcinomatous human breast tissues: a relationship? Wolfrom D, et al. **J Med** 1990;21(5):225–50 (90 ref.)
Oral contraceptives and breast cancer. Cause and effect? Harlap S. **J Reprod Med** 1991 May;36(5):374–95 (208 ref.)
Oral contraceptives and reproductive system cancer. Benefits and risks. Williams JK. **J Reprod Med** 1991 Mar;36(3 Suppl):247–52 (40 ref.)
Fertility control and the risk of gynecological malignancies. Sivanesaratnam V. **Obstet Gynecol Surv** 1991 Mar; 46(3):131–7 (96 ref.)
Oral contraceptives and breast cancer. A meta-analysis. Delgado-Rodriguez M, et al.
Rev Epidemiol Sante Publique 1991;39(2):165–81 (117 ref.)
[Contraception and breast cancer] Kottler ML, et al.
Rev Fr Gynecol Obstet 1991 Jan;86(1):21–6 (31 ref.) (Eng. Abstr.) **(Fre)**

CHEMISTRY

Steroid receptors in breast cancer. Rayter Z. **Br J Surg** 1991 May;78(5):528–35 (164 ref.)
The pS2 gene, mRNA, and protein: a potential marker for human breast cancer. Rio MC, et al. **Cancer Cells** 1990 Aug–Sep;2(8–9):269–74 (46 ref.)
Tumor-associated growth factors in malignant rodent and human mammary epithelial cells. Salomon DS, et al.
Cancer Treat Res 1988;40:363–89 (92 ref.)
New biologic prognostic factors in breast cancer. Clark GM, et al. **Oncology (Williston Park)** 1989 May;3(5):49–54; discussion 58, 61, 64 (36 ref.)
Neu (c-erbB-2), a tumor marker in carcinoma of the female breast. Maguire HC Jr, et al. **Pathobiology** 1990; 58(6):297–303 (75 ref.)
Basic and clinical relevance of hormonal influence in breast cancer. Pollow K, et al. **Recent Results Cancer Res** 1990; 118:196–224 (91 ref.)
[Clinical significance of steroid hormone receptor determination in breast carcinoma tissue] Holtkamp W. **Dtsch Med Wochenschr** 1990 Sep 21;115(38):1442–7 (52 ref.) **(Ger)**
[Influences on steroid receptor levels and their significance for clinical practice] Vering A, et al. **Gynakologe** 1991 Feb; 24(1):22–7 (29 ref.) **(Ger)**

CLASSIFICATION

Biologic aspects, classification, surgery, and radiotherapy of stage III breast cancer. Ragaz J. **Curr Opin Oncol** 1990 Dec;2(6):1053–67 (38 ref.)

COMPLICATIONS

The infrequent association of systemic lupus erythematosus and solid tumors. Sulkes A, et al. **Cancer** 1991 Sep 15; 68(6):1389–93 (35 ref.)
Thyroid diseases and breast cancer. Goldman MB.
Epidemiol Rev 1990;12:16–28 (105 ref.)
Breast cancer during pregnancy and lactation. Hoover HC Jr. **Surg Clin North Am** 1990 Oct;70(5):1151–63 (44 ref.)
[Filiform palmoplantar hyperkeratosis and cancer of the breast] Hillion B, et al. **Ann Dermatol Venereol** 1990; 117(11):834–6 (9 ref.) **(Fre)**
[Orofacial manifestations of hypertrichosis lanuginosa. Review of the literature apropos of a clinical case] De Clercq D, et al. **Rev Stomatol Chir Maxillofac** 1990; 91(6):465–8 (24 ref.) (Eng. Abstr.) **(Fre)**
[Breast cancer and B cell malignant lymphoma associated with Sjögren's syndrome—a case report and review of literature in Japan] Kohno A, et al. **Ryumachi** 1990 Oct; 30(5):388–93, 395; discussion 393–4 (30 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Biological, biochemical and morphological markers of breast disorders and of breast cancer. Leathem AJ.
Acta Histochem Suppl 1990;40:51–8 (41 ref.)
Breast cancer—biology and malpractice. Plotkin D, et al. **Am J Clin Oncol** 1991 Jun;14(3):254–66 (63 ref.)
Early detection of breast cancer: mammography. D'Orsi CJ. **Breast Cancer Res Treat** 1991 May;18 Suppl 1:S107–9 (16 ref.)
Breast cancer screening. A brief historical review. Wolfe JN. **Breast Cancer Res Treat** 1991 May;18 Suppl 1:S89–92 (14 ref.)
Aspiration cytology of breast. Hajdu SI, et al.
Clin Lab Med 1991 Jun;11(2):357–68 (26 ref.)
Detection of breast cancer. Kindermann G.
Curr Opin Obstet Gynecol 1990 Feb;2(1):47–51 (5 ref.)
Magnetic resonance imaging and spectroscopy of the breast. Stelling CB. **Curr Opin Radiol** 1990 Oct;2(5):746–50 (8 ref.)
Survey of aspiration biopsy cytology of the breast. Kline TS. **Diagn Cytopathol** 1991;7(1):98–105 (54 ref.)
Routine imaging studies for the posttreatment surveillance of breast and colorectal carcinoma. Kagan AR, et al.
J Clin Oncol 1991 May;9(5):837–42 (21 ref.)
When is a prognostic factor useful? A guide for the perplexed. Levine MN, et al. **J Clin Oncol** 1991 Feb;9(2):348–56 (32 ref.)
Breast disease. The role of the nurse-midwife. Brucker MC, et al. **J Nurse Midwifery** 1991 Jan–Feb;36(1):63–73 (34 ref.)
Detection of breast cancer. Pleatman MA, et al.
Obstet Gynecol Clin North Am 1990 Dec;17(4):729–40 (32 ref.)
Interventions to enhance breast self-examination practice: a review. Janz NK, et al. **Public Health Rev** 1989–90; 17(2–3):89–163 (56 ref.)
Preoperative diagnostic and prognostic information on nonpalpable breast tumors. Azavedo E, et al.
Recent Results Cancer Res 1990;119:114–5 (7 ref.)
Earlier detection of breast cancer: an overview. McLelland R. **Recent Results Cancer Res** 1990;119:10–7 (19 ref.)
Imaging techniques other than mammography for the detection and diagnosis of breast cancer. Sickles EA.
Recent Results Cancer Res 1990;119:127–35 (50 ref.)
Breast imaging for the 1990s. Bassett LW, et al.
Semin Oncol 1991 Apr;18(2):80–6 (20 ref.)
[Erosive adenomatosis of the nipple. Report of 10 cases with immunohistochemistry] Moulin G, et al.
Ann Dermatol Venereol 1990;117(8):537–45 (53 ref.) (Eng. Abstr.) **(Fre)**
[Utility and specificity of markers of breast cancer] Hurlimann J. **Arch Gynecol Obstet** 1990;247 Suppl:S86–90 (14 ref.) **(Fre)**
[Mucin markers in metastatic breast cancer] Bieglmayer C, et al. **Gynakol Rundsch** 1990;30 Suppl 1:142–4 (0 ref.) **(Ger)**
[What did tumor markers bring us?] Seitzer D.
Zentralbl Gynakol 1991;113(7):389–96 (22 ref.) **(Ger)**
[Nonpalpable breast lesions: new aspects of early detection and reduction of mortality in breast cancer] Freund U.
Harefuah 1991 Apr 15;120(8):468–71 (40 ref.) **(Heb)**
[Leiomyoma of the nipple (a case report and review of the literature)] Laterza E, et al. **Chir Ital** 1990 Jun–Aug; 42(3–4):138–42 (12 ref.) (Eng. Abstr.) **(Ita)**
[Carcinoma of the male breast (our experience and a review of the literature)] Modena S, et al. **Chir Ital** 1990 Feb–Apr; 42(1–2):27–35 (32 ref.) (Eng. Abstr.) **(Ita)**
[Cytological diagnosis of the breast. Aspiration technics] Croce P, et al. **Minerva Ginecol** 1991 Jan–Feb; 43(1–2):47–51 (43 ref.) (Eng. Abstr.) **(Ita)**
[Occult mammary lesions: preoperative localization. Review of the literature] Volpe T, et al. **Minerva Ginecol** 1990 Oct; 42(10):393–7 (55 ref.) (Eng. Abstr.) **(Ita)**
[Multiple primary neoplasms. A report of a case with dental involvement] Nardi P, et al. **Minerva Stomatol** 1990 Jul; 39(7):521–4 (6 ref.) (Eng. Abstr.) **(Ita)**
[DNA analysis of breast cancer] Ohuchi N, et al.
Gan To Kagaku Ryoho 1991 Jan;18(1):30–6 (34 ref.) (Eng. Abstr.) **(Jpn)**
[Transillumination or mammography in diagnosis of breast cancer?] Jarlman O, et al. **Lakartidningen** 1991 Jan 9; 88(1–2):15–6, 19 (18 ref.) **(Swe)**

DRUG THERAPY

Adjuvant therapy in early breast cancer. Chittoor SR, et al. **Am Fam Physician** 1991 Aug;44(2):453–62 (33 ref.)
Current status of adjuvant therapy of early breast cancer. Ziegler LD, et al. **Am J Clin Oncol** 1991 Apr;14(2):101–10 (119 ref.)
Phase II trials with toremifene in advanced breast cancer: a review. Valavaara R. **Breast Cancer Res Treat** 1990 Aug; 16 Suppl:S31–5 (17 ref.)
Adjuvant endocrine therapy for operable breast cancer. Stewart HJ. **Bull Cancer (Paris)** 1991;78(4):379–84 (21 ref.)
The role of chemotherapy in the management of primary breast cancer. Dorr FA, et al. **CA Cancer J Clin** 1991 Jul–Aug;41(4):231–41 (30 ref.)
The role of chemotherapy for node-negative breast cancer. Cooper MR. **Cancer** 1991 Mar 15;67(6 Suppl):1744–7 (15 ref.)
Predictive value of tumor estrogen and progesterone receptor levels in postmenopausal women with advanced breast cancer treated with toremifene. Valavaara R, et al.
Cancer 1990 Dec 1;66(11):2264–9 (47 ref.)
Antiestrogen therapy for breast cancer: current strategies and potential causes for therapeutic failure. Iino Y, et al.
Cancer Treat Res 1991;53:221–37 (105 ref.)
Regulatory mechanisms in breast cancer. Steroidal pure antiestrogens. Wakeling AE. **Cancer Treat Res** 1991; 53:239–57 (82 ref.)
Hexamethylmelamine use in the treatment of metastatic breast cancer. Henderson IC, et al. **Cancer Treat Rev** 1991 Mar;18 Suppl A:91–8 (24 ref.)
Long-term adjuvant tamoxifen therapy for breast cancer: the prelude to prevention. Jordan VC. **Cancer Treat Rev** 1990 Mar;17(1):15–36 (123 ref.)
New hormonal approaches to the treatment of breast cancer. Hamm JT, et al. **Crit Rev Oncol Hematol** 1991;11(1):29–41 (76 ref.)
Adjuvant therapy in breast cancer. Dorr A.
Curr Opin Oncol 1990 Dec;2(6):1049–52 (10 ref.)
Adjuvant therapy for stages I and II breast cancer. Henderson IC. **Curr Opin Oncol** 1989 Dec;1(2):308–17 (22 ref.)
Chemotherapy and endocrine therapy in metastatic disease. Pritchard KI. **Curr Opin Oncol** 1989 Dec;1(2):324–32 (23 ref.)
Chemotherapy and hormonal therapy in stage III disease; inflammatory breast cancer. Ragaz J. **Curr Opin Oncol** 1990 Dec;2(6):1068–87 (53 ref.)
Treatment of metastatic breast cancer. Robert NJ, et al.
Curr Opin Oncol 1990 Dec;2(6):1088–92 (22 ref.)
Medical management of early-stage breast cancer. Bookman MA, et al. **Curr Probl Cancer** 1991 Jul–Aug;15(4):157–232 (275 ref.)
Adjuvant chemotherapy in node-negative breast cancer. NCI consensus conference. Bonadonna G. **Eur J Cancer** 1990; 26(7):844–5 (6 ref.)
Novel approaches to the endocrine therapy of breast cancer. Dowsett M. **Eur J Cancer** 1990;26(9):989–92 (29 ref.)
Anti-emetic control with ondansetron in the chemotherapy of breast cancer: a review. Marschner N. **Eur J Cancer** 1991;27 Suppl 1:S15–7; discussion S22 (9 ref.)
Tamoxifen in premenopausal patients with metastatic breast cancer: a review. Sunderland MC, et al. **J Clin Oncol** 1991 Jul;9(7):1283–97 (138 ref.)
Clinical use of aromatase inhibitors: current data and future perspectives. Santen RJ. **J Enzym Inhib** 1990;4(2):79–99 (99 ref.)
Aromatase and other inhibitors in breast and prostatic cancer. Brodie AM, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1043–8 (38 ref.)
Transition of human breast cancer cells from an oestrogen responsive to unresponsive state. Darbre PD, et al.
J Steroid Biochem Mol Biol 1990 Dec 20;37(6):753–63 (51 ref.)
Clinical development of aromatase inhibitors for the treatment of breast and prostate cancer. Dowsett M.
J Steroid Biochem Mol Biol 1990 Dec 20;37(6):1037–41 (18 ref.)
Anti-steroidal and anti-growth factor activities of anti-estrogens. Freiss G, et al.
J Steroid Biochem Mol Biol 1990 Dec 20;37(6):777–81 (40 ref.)
Somatostatin analogues in the treatment of breast and prostate cancer. Manni A, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1083–7 (19 ref.)
Endocrine treatment for breast cancers: biological rationale and current progress. Miller WR.
J Steroid Biochem Mol Biol 1990 Nov 30;37(4):467–80 (124 ref.)
Recent progress in development of aromatase inhibitors. Santen RJ. **J Steroid Biochem Mol Biol** 1990 Dec 20; 37(6):1029–35 (17 ref.)
Therapeutic potential of pure antioestrogens in the treatment of breast cancer. Wakeling AE.
J Steroid Biochem Mol Biol 1990 Dec 20;37(6):771–5 (36 ref.)
"The only true antiestrogen is no estrogen". Jordan VC.
Mol Cell Endocrinol 1990 Dec 21;74(3):C91–5 (54 ref.)
Dose intensity studies in breast cancer—autologous bone marrow transplantation. Hortobagyi GN, et al.
Prog Clin Biol Res 1990;354B:195–209 (17 ref.)
Recent developments in medical oncology. Sikov WM, et al. **R I Med J** 1990 Oct;73(10):451–5 (17 ref.)

New trends in the endocrine treatment of breast cancer. Maass H, et al. **Recent Results Cancer Res** 1990;118:225–32 (17 ref.)

Current status of high-dose progestins in breast cancer. Abrams JS, et al. **Semin Oncol** 1990 Dec;17(6 Suppl 9):68–72 (31 ref.)

Lonidamine in metastatic breast cancer. Rosso R, et al. **Semin Oncol** 1991 Apr;18(2 Suppl 4):62–5 (18 ref.)

Overview of hormonal therapy in advanced breast cancer. Schacter LP, et al. **Semin Oncol** 1990 Dec;17(6 Suppl 9):38–46 (57 ref.)

Adjuvant chemotherapy of breast cancer. Breitmeyer JB, et al. **Surg Clin North Am** 1990 Oct;70(5):1081–102 (98 ref.)

Adjuvant antiestrogen therapy for breast cancer. Past, present, and future. Gibson DF, et al. **Surg Clin North Am** 1990 Oct;70(5):1103–13 (87 ref.)

[Oncological and endocrine administration of the antiprogestagen RU 486] Lamberts SW. **Ned Tijdschr Geneeskd** 1990 Dec 29;134(52):2521–4 (34 ref.) **(Dut)**

[Antihormonal treatments in breast cancer in the woman. Role of estrogen antagonists] Saez S. **Bull Cancer (Paris)** 1990;77(9):911–6 (19 ref.) (Eng. Abstr.) **(Fre)**

[Adjuvant hormone therapy of primary breast cancer. Review of the literature] Focan C. **Rev Med Liege** 1991 May;46(5):270–8 (81 ref.) **(Fre)**

[Hormonal treatment of metastatic bone cancer] Tubiana-Hulin M. **Rev Rhum Mal Osteoartic** 1990 Nov; 57(11):821–7 (33 ref.) **(Fre)**

[Hormone therapy of breast carcinoma in men] Doberauer C, et al. **Dtsch Med Wochenschr** 1990 Nov 16; 115(46):1762–8 (62 ref.) **(Ger)**

[Therapeutic aspects of advanced high risk breast cancer] Heidemann E. **Onkologie** 1990 Oct;13(5):338–44 (62 ref.) (Eng. Abstr.) **(Ger)**

[Current developments in systemic therapy of breast carcinoma] Brunner KW. **Schweiz Rundsch Med Prax** 1991 Mar 12;80(11):255–61 (13 ref.) (Eng. Abstr.) **(Ger)**

[Adjuvant therapies in breast carcinoma] Joss R, et al. **Schweiz Rundsch Med Prax** 1991 Mar 12;80(11):247–54 (45 ref.) (Eng. Abstr.) **(Ger)**

[Effects of adjuvant chemotherapy of breast cancer on gonadal function] Müller H. **Zentralbl Gynakol** 1990; 112(13):795–801 (31 ref.) (Eng. Abstr.) **(Ger)**

[Zoladex in the treatment of mammary carcinoma] Sismondi P, et al. **Drugs Exp Clin Res** 1990;16 Suppl:47–58 (56 ref.) **(Ita)**

[A comparative study of intra-arterial infusion chemotherapy and systemic chemotherapy in the treatment of locally advanced breast cancer] Takatsuka Y, et al. **Gan To Kagaku Ryoho** 1991 Aug;18(11):1740–3 (7 ref.) (Eng. Abstr.) **(Jpn)**

[Hormone therapy of neoplasms] Abe K. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):373–6 (15 ref.) **(Jpn)**

[The molecular mechanisms of the action of steroid hormones and the reasons for breast cancer resistance to hormonal therapy] Gnatyshak AI, et al. **Vopr Onkol** 1991;37(2):131–6 (32 ref.) **(Rus)**

[Original physiopathological integration and new treatment possibilities and approaches in breast cancer] Sánchez-Harguindey S, et al. **An Med Interna** 1991 Mar; 8(3):142–7 (74 ref.) (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Cathepsin D in breast cancer. Rochefort H. **Breast Cancer Res Treat** 1990 Jul;16(1):3–13 (47 ref.)

Cathepsin D: a protease involved in breast cancer metastasis. Rochefort H, et al. **Cancer Metastasis Rev** 1990 Dec; 9(4):321–31 (49 ref.)

The 52K cathepsin-D of breast cancer: structure, regulation, function and clinical value. Rochefort H, et al. **Cancer Treat Res** 1988;40:207–21 (56 ref.)

Biological and clinical significance of cathepsin D in breast cancer. Rochefort H. **Semin Cancer Biol** 1990 Apr; 1(2):153–60 (29 ref.)

EPIDEMIOLOGY

Clinical factors influencing the risk of breast cancer in women with gross cysts. Bundred NJ, et al. **Br J Clin Pract Symp Suppl** 1989 Nov;68:103–5; discussion 111–5 (14 ref.)

The cancer risk of breast cysts--pathological factors. Walker RA. **Br J Clin Pract Symp Suppl** 1989 Nov;68:106–10; discussion 111–5 (28 ref.)

Geographical variation in endocrine function and its relation to breast cancer incidence: some general considerations. Bulbrook RD. **Breast Cancer Res Treat** 1991 May;18 Suppl 1:S37–40 (21 ref.)

The international variation in breast cancer rates: an epidemiological assessment. Henderson BE, et al. **Breast Cancer Res Treat** 1991 May;18 Suppl 1:S11–7 (43 ref.)

The epidemiology of breast cancer. Kelsey JL, et al. **CA** 1991 May-Jun;41(3):146–65 (208 ref.)

Oral contraceptives and breast cancer. Review and meta-analysis. Romieu I, et al. **Cancer** 1990 Dec 1; 66(11):2253–63 (65 ref.)

Oral contraceptives and breast cancer: review of the epidemiologic literature. Thomas DB. **Contraception** 1991 Jun;43(6):597–642 (60 ref.)

Malignant pathology of the breast. Marchant DJ. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):466–73 (28 ref.)

Follow-up as an alternative to biopsy for probably benign mammographically detected abnormalities. Brenner RJ. **Curr Opin Radiol** 1991 Aug;3(4):588–92 (30 ref.)

Epidemiology of breast cancer. Kelsey JL, et al. **Epidemiol Rev** 1990;12:228–40 (232 ref.)

Quantifying the risk of breast cancer. Stoll BA. **Eur J Surg Oncol** 1991 Feb;17(1):36–41 (41 ref.)

Oral contraceptives and risk of breast cancer. Buchalter CJ. **J Fla Med Assoc** 1990 Oct;77(10):889–92 (10 ref.)

Primary breast lymphoma. Misra A, et al. **J Surg Oncol** 1991 Aug;47(4):265–70 (36 ref.)

Epidemiologic studies of diet and cancer. Willett WC. **Med Oncol Tumor Pharmacother** 1990;7(2–3):93–7 (26 ref.)

Oral contraceptives and breast cancer. Gay JW, et al. **Mo Med** 1990 Oct;87(10):763–7 (23 ref.)

Antiestrogen chemoprevention of breast cancer: critical issues and research. Love RR. **Prev Med** 1991 Jan; 20(1):64–78 (94 ref.)

Male breast cancer—a 20-year review of 16 cases at Yonsei University. Chung HC, et al. **Yonsei Med J** 1990 Sep; 31(3):242–50 (51 ref.)

[Mass screening for breast cancer in women younger than 50 years; a literature review of the anticipated effect on mortality] Peer PG, et al. **Ned Tijdschr Geneeskd** 1991 Apr 13;135(15):651–5 (45 ref.) **(Dut)**

[Clinical observations on breast cancer in males] Hideghéty K, et al. **Orv Hetil** 1991 Jan 6;132(1):3–5 (31 ref.) (Eng. Abstr.) **(Hun)**

ETIOLOGY

Dietary fats and cancer. Carroll KK. **Am J Clin Nutr** 1991 Apr;53(4 Suppl):1064S–1067S (60 ref.)

Multiple primary carcinomas as sequelae of treatment of pulmonary tuberculosis with repeated induced pneumothoraces. Case report and review of the literature. Solan MJ. **Am J Clin Oncol** 1991 Feb;14(1):49–51 (25 ref.)

The role of ras gene expression and transforming growth factor alpha production in the etiology and progression of rodent and human breast cancer. Salomon DS, et al. **Cancer Treat Res** 1991;53:107–57 (278 ref.)

Risk factors for breast cancer. Mesko TW, et al. **Compr Ther** 1990 Nov;16(11):3–9 (33 ref.)

Identification of high-risk groups and preventive strategies. Love RR. **Curr Opin Oncol** 1989 Dec;1(2):284–7 (11 ref.)

The association between alcohol and breast cancer risk: evidence from the combined analysis of six dietary case-control studies. Howe G, et al. **Int J Cancer** 1991 Mar 12;47(5):707–10 (19 ref.)

Breast-cancer etiology. Report of a working party for the Nordic Cancer Union. Adami HO, et al. **Int J Cancer Suppl** 1990;5:22–39 (212 ref.)

Induced abortion as cancer risk factor: a review of epidemiological evidence. Remennick LI. **J Epidemiol Community Health** 1990 Dec;44(4):259–64 (53 ref.)

The importance of N-6 and N-3 fatty acids in carcinogenesis. Kromhout D. **Med Oncol Tumor Pharmacother** 1990; 7(2–3):173–6 (17 ref.)

Energy imbalance and cancer of the breast, colon and prostate. Simopoulos AP. **Med Oncol Tumor Pharmacother** 1990;7(2–3):109–20 (55 ref.)

Growth factors and oncogenes in breast cancer. Gullick WJ. **Prog Growth Factor Res** 1990;2(1):1–13 (102 ref.)

Serum lipids and risk of breast cancer. Vatten LJ. **Scand J Clin Lab Invest Suppl** 1990;202:86–9 (21 ref.)

[Nutrition and breast cancer] Richardson S, et al. **Pathol Biol (Paris)** 1991 Jan;39(1):74–5 (44 ref.) **(Fre)**

[High fat diet and risk of breast cancer] Thür L. **Z Lymphol** 1990 Dec;14(2):51–7 (55 ref.) (Eng. Abstr.) **(Ger)**

[Artificial abortion as a risk factor of cancer] Remennik LI. **Vopr Onkol** 1990;36(12):1428–34 (43 ref.) **(Rus)**

GENETICS

Neu (C-erbB-2) oncogene in breast cancer and its possible association with the risk of distant metastases. A retrospective study and review of literature. Makar AP, et al. **Acta Oncol** 1990;29(7):931–4 (30 ref.)

The molecular biology of breast cancer. Van de Vijver MJ, et al. **Biochim Biophys Acta** 1991 Apr 16;1072(1):33–50 (200 ref.)

c-erbB-2 oncogene as a prognostic marker in breast cancer [editorial] Perren TJ. **Br J Cancer** 1991 Mar;63(3):328–32 (50 ref.)

The pS2 gene, mRNA, and protein: a potential marker for human breast cancer. Rio MC, et al. **Cancer Cells** 1990 Aug-Sep;2(8–9):269–74 (46 ref.)

Familial factors and genetic predisposition to cancer: population studies. Lynch HT, et al. **Cancer Detect Prev** 1991;15(1):49–57 (52 ref.)

Characterization of chromosomal anomalies in human breast cancer. A comparison of 30 paradiploid cases with few chromosome changes. Dutrillaux B, et al. **Cancer Genet Cytogenet** 1990 Oct 15;49(2):203–17 (20 ref.)

Chromosomal abnormalities in human breast cancer. Mars WM, et al. **Cancer Metastasis Rev** 1990 Jul;9(1):35–43 (54 ref.)

Follow-up study of HER-2/neu amplification in primary breast cancer. Clark GM, et al. **Cancer Res** 1991 Feb 1; 51(3):944–8 (45 ref.)

Genetics of human breast cancer. Devilee P, et al. **Cancer Surv** 1990;9(4):605–30 (118 ref.)

Heterogeneity of genetic alterations in primary human breast tumors. Ali IU, et al. **Cancer Treat Res** 1988;40:25–48 (129 ref.)

Identification of oncogenes in breast tumors and their effects on growth and differentiation. Groner B, et al. **Cancer Treat Res** 1988;40:67–92 (87 ref.)

Different mechanisms are responsible for oncogene activation in human mammary neoplasia. Kraus MH, et al. **Cancer Treat Res** 1988;40:49–66 (52 ref.)

Role of the retinoblastoma gene in the oncogenesis of human breast carcinoma. Lee EY, et al. **Cancer Treat Res** 1991; 53:23–44 (80 ref.)

Steroid modulation of the expression of growth factors and oncogenes in breast cancer. McCarty KS Jr, et al. **Cancer Treat Res** 1991;53:197–220 (125 ref.)

Regulatory mechanisms in breast cancer. Estrogen and progesterone receptors. Martin MB, et al. **Cancer Treat Res** 1991;53:273–88 (79 ref.)

Structure and function of the pS2 gene and estrogen receptor in human breast cancer cells. Stack G, et al. **Cancer Treat Res** 1988;40:185–206 (62 ref.)

Estrogen-regulated messenger RNAs in human breast cancer cells. Westley B, et al. **Cancer Treat Res** 1991;53:259–71 (27 ref.)

Oncogenes and cancer: clinical applications. Fishleder AJ. **Cleve Clin J Med** 1990 Nov-Dec;57(8):721–6 (35 ref.)

Biology and prognostic factors of breast cancer. Davidson NE. **Curr Opin Oncol** 1990 Dec;2(6):1025–30 (31 ref.)

Biology of breast cancer and its clinical implications. Davidson NE. **Curr Opin Oncol** 1989 Dec;1(2):269–76 (32 ref.)

Retroviral-related genes, proto-oncogenes, and breast cancer. Callahan R, et al. **Immunol Ser** 1989;43:623–42 (97 ref.)

Role of the int-genes in murine mammary tumor development and implications for human breast cancer. Dickson C. **Int J Cancer Suppl** 1990;5:51–4 (34 ref.)

Mutations in human breast cancer cells: dominantly-acting oncogenes and tumor suppressor genes suggest strategies for targeted interference. Groner B, et al. **Int J Cancer Suppl** 1990;5:40–6 (60 ref.)

The role of the epidermal growth factor receptor and the c-erbB-2 protein in breast cancer. Gullick WJ. **Int J Cancer Suppl** 1990;5:55–61 (82 ref.)

Molecular lesions in breast cancer. Mackay J, et al. **Int J Cancer Suppl** 1990;5:47–50 (44 ref.)

Stimulatory and inhibitory growth factors and breast cancer. Dickson RB. **J Steroid Biochem Mol Biol** 1990 Dec 20; 37(6):795–803 (21 ref.)

Estrogen receptor variants in human breast cancer. Murphy LC. **Mol Cell Endocrinol** 1990 Dec 3;74(2):C83–6 (18 ref.)

HER-2/neu oncogene amplification and expression in breast and ovarian cancers. Press MF, et al. **Prog Clin Biol Res** 1990;354A:209–21 (35 ref.)

Epidermal growth factor: receptor and ligand expression in human breast cancer. Murphy LC, et al. **Semin Cancer Biol** 1990 Oct;1(5):305–15 (44 ref.)

[Tumor markers, oncogenes in gynecological and breast oncology] Uyttenbroeck F, et al. **Verh K Acad Geneeskd Belg** 1990;52(4):313–51 (202 ref.) **(Dut)**

[Multiple genetic alterations in primary breast cancer] Nakamura Y, et al. **Nippon Rinsho** 1991 Apr;49(4):975–82 (22 ref.) **(Jpn)**

[DNA examinations in gynecological cancer and breast cancer] Tropé C, et al. **Tidsskr Nor Laegeforen** 1991 May 20;111(13):1638–42 (32 ref.) (Eng. Abstr.) **(Nor)**

IMMUNOLOGY

In situ carcinoma-associated immunogenicity: therapeutic and prophylactic implications in breast cancer patients. Black MM, et al. **Adv Cancer Res** 1991;56:105–31 (56 ref.)

Breast epithelial antigens in the circulation of breast cancer patients. Ceriani RL, et al. **Immunol Ser** 1990;53:223–41 (76 ref.)

METABOLISM

Expression of transforming growth factor alpha (TGF alpha) in breast cancer. Ciardiello F, et al. **Ann Oncol** 1991 Mar; 2(3):169–82 (112 ref.)

Predictive value of tumor estrogen and progesterone receptor levels in postmenopausal women with advanced breast cancer treated with toremifene. Valavaara R, et al. **Cancer** 1990 Dec 1;66(11):2264–9 (47 ref.)

Epidermal growth factor receptors in human breast cancer. Harris AL, et al. **Cancer Treat Res** 1988;40:93–118 (120 ref.)

The insulin-like growth factors, their receptors, and their binding proteins in human breast cancer. Yee D, et al. **Cancer Treat Res** 1991;53:93–106 (55 ref.)

Modulation of EGF receptor protooncogene expression by growth factors and hormones in human breast carcinoma cells. Fernandez-Pol JA. **Crit Rev Oncog** 1991;2(2):173–85 (155 ref.)

Epidermal growth factor in breast cancer. Barker S, et al. **Int J Biochem** 1990;22(9):939–45 (104 ref.)

Biological and clinical aspects of prolactin receptors (PRL-R) in human breast cancer. Bonneterre J, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):977-81 (49 ref.)

Regulation of proliferation, invasion and growth factor synthesis in breast cancer by steroids. Dickson RB, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):305-16 (156 ref.)

Insulin-like growth factor 1 receptors (IGF1-R) and IGF1 in human breast tumors. Peyrat JP, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):823-7 (29 ref.)

[Local growth factors for breast cancer: general review and potential value for clinician] Piccart MJ, et al. **Bull Cancer (Paris)** 1991;78(3):215-27 (56 ref.) (Eng. Abstr.) **(Fre)**

[The anti-estrogenic effect of 4-chloro-1,2-diphenyl-1-(4-[2-(N,N-dimethylamino) ethoxy]phenyl)1-butene (Toremifene) on the endocrine regulation in breast cancer patients] Számel I, et al. **Orv Hetil** 1991 Mar 31;132(13):683-6 (22 ref.) (Eng. Abstr.) **(Hun)**

[Steroid receptors and breast carcinoma] Pašić R, et al. **Med Pregl** 1991;44(1-2):48-51 (37 ref.) (Eng. Abstr.) **(Scr)**

MORTALITY

RECPAM analysis of prognostic factors in patients with stage III breast cancer. Erlichman C, et al. **Breast Cancer Res Treat** 1990 Oct;16(3):231-42 (27 ref.)

Reduced breast-cancer mortality with mammography screening--an assessment of currently available data. Rutqvist LE, et al. **Int J Cancer Suppl** 1990;5:76-84 (28 ref.)

Risk/benefit considerations of antiestrogen/estrogen therapy in healthy postmenopausal women. Miller AB. **Prev Med** 1991 Jan;20(1):79-85 (9 ref.)

Low-cost mass screening as a means of reducing overall mortality from breast cancer. McLelland R. **Recent Results Cancer Res** 1990;119:53-9 (34 ref.)

PATHOLOGY

Proliferation of cultivated cells from normal, preneoplastic and neoplastic human breast tissue--preliminary report. Nissen E, et al. **Acta Histochem Suppl** 1990;39:181-7 (33 ref.)

Ploidy analysis and S-phase fraction determination by flow cytometry of invasive adenocarcinomas of the breast. Frierson HF Jr. **Am J Surg Pathol** 1991 Apr;15(4):358-67 (90 ref.)

Is cystic disease related to breast cancer? Haagensen DE Jr. **Am J Surg Pathol** 1991 Jul;15(7):687-94 (61 ref.)

Prognosis and breast cancer. Recognition of lethal and favorable prognostic types. Page DL. **Am J Surg Pathol** 1991 Apr;15(4):334-49 (172 ref.)

Multiple, giant fibroadenoma. Musio F, et al. **Am Surg** 1991 Jul;57(7):438-41 (24 ref.)

Breast cancer micrometastases in lymph nodes and bone marrow are prognostically important. Neville AM. **Ann Oncol** 1991 Jan;2(1):13-4 (23 ref.)

Primary malignant fibrous histiocytoma of the breast. A report of four cases and review of the literature. Rossen K, et al. **APMIS** 1991 Aug;99(8):696-702 (32 ref.)

The cytopathology of benign breast disease: criteria for diagnosis and an assessment of accuracy. Herbert AP. **Br J Clin Pract Symp Suppl** 1989 Nov;68:11-6; discussion 23-5 (15 ref.)

Patterns of recurrence in Western and Japanese women with breast cancer. Chaudary MA. **Breast Cancer Res Treat** 1991 May;18 Suppl 1:S115-8 (18 ref.)

Medullary cancer of the breast revisited. Fisher ER, et al. **Breast Cancer Res Treat** 1990 Oct;16(3):215-29 (28 ref.)

Body size and breast cancer prognosis: a critical review of the evidence. Goodwin PJ, et al. **Breast Cancer Res Treat** 1990 Oct;16(3):205-14 (19 ref.)

Molecular and cellular lesions associated with breast cancer progression. Smith HS, et al. **Breast Cancer Res Treat** 1991 May;18 Suppl 1:S51-4 (26 ref.)

The pathology of breast cancer in Japanese women compared to other ethnic groups: a review. Stemmermann GN. **Breast Cancer Res Treat** 1991 May;18 Suppl 1:S67-72 (27 ref.)

The treatment of metastatic breast cancer. Greenberg EJ. **CA Cancer J Clin** 1991 Jul-Aug;41(4):242-56 (85 ref.)

Staging and follow-up of breast cancer patients. Kinne DW. **Cancer** 1991 Feb 15;67(4 Suppl):1196-8 (21 ref.)

Irrationality in the management of breast cancer. I. The staging system. Nachlas MM. **Cancer** 1991 Aug 15; 68(4):681-90 (34 ref.)

Tumor factors predicting for prognosis in metastatic breast cancer. The presence of P24 predicts for response to treatment and duration of survival. Seymour L, et al. **Cancer** 1990 Dec 1;66(11):2390-4 (49 ref.)

Growth factors as mediators of estrogen/antiestrogen action in human breast cancer cells. Arteaga CL, et al. **Cancer Treat Res** 1991;53:289-304 (71 ref.)

Steroids, growth factors, and cell cycle controls in breast cancer. Musgrove EA, et al. **Cancer Treat Res** 1991; 53:305-31 (167 ref.)

The pattern of metastases in human breast cancer: methodological aspects and influence of prognostic factors. Kamby C. **Cancer Treat Rev** 1990 Mar;17(1):37-61 (198 ref.)

Percutaneous biopsies of the breast: state of the art. Fornage BD. **Cardiovasc Intervent Radiol** 1991 Jan-Feb;14(1):29-39 (50 ref.)

Hypertrophic pulmonary osteoarthropathy in pulmonary metastatic disease. A case report and review of the literature. Davies RA, et al. **Clin Radiol** 1991 Apr; 43(4):268-71 (23 ref.)

The role of estrogens in growth regulation of breast cancer. Davidson NE, et al. **Crit Rev Oncog** 1989;1(1):89-111 (301 ref.)

Polyamines and hormonal control of breast cancer growth. Manni A. **Crit Rev Oncog** 1989;1(2):163-74 (68 ref.)

Pathology of preinvasive and excellent-prognosis breast cancer. Page DL, et al. **Curr Opin Oncol** 1990 Dec; 2(6):1031-7 (34 ref.)

Pathology of preinvasive and early breast cancer. Page DL. **Curr Opin Oncol** 1989 Dec;1(2):277-83 (43 ref.)

Staging and surgical approaches to carcinoma of the breast. Smith TJ. **Curr Opin Oncol** 1989 Dec;1(2):295-301 (19 ref.)

Hypercalcemia and bone metastases in breast cancer. Warrell RP Jr. **Curr Opin Oncol** 1990 Dec;2(6):1097-103 (34 ref.)

Prognostic factors in breast cancer: pathologic features that reflect behavior. Fernandes J. **Del Med J** 1991 Mar; 63(3):167-71 (58 ref.)

Human breast-cancer growth and progression: role of secreted polypeptide growth factors. Brünner N. **Int J Cancer Suppl** 1990;5:62-6 (43 ref.)

Steroids and steroid receptors in growth control of cultured breast cancer cells. Darbre PD. **Int J Cancer Suppl** 1990; 5:67-75 (118 ref.)

Laboratory handling of impalpable breast lesions: a review. Armstrong JS, et al. **J Clin Pathol** 1991 Feb;44(2):89-93 (40 ref.)

Are breast cancer axillary node micrometastases worth detecting? [see comments] Neville AM. **J Pathol** 1990 Aug; 161(4):283-4 (12 ref.) Comment in: J Pathol 1991 Mar;163(3):277.

Adenoid cystic carcinoma of the breast. A case report and review. Phillips CJ. **J R Army Med Corps** 1991 Feb; 137(1):47-9 (30 ref.)

An autopsy case of triple cancers including signet-ring cell carcinoma of the breast--report of a rare case with reference to a review of the literature. Misonou J, et al. **Jpn J Surg** 1990 Nov;20(6):720-5 (12 ref.)

Giant neurofibroma of the pectoral region including the breast. Case report. Laky D, et al. **Morphol Embryol (Bucur)** 1990 Jul-Dec;36(3-4):213-5 (7 ref.)

Studies of EGF-mediated growth control and signal transduction using the MDA-MB-468 human breast cancer cell line. Buick RN, et al. **Prog Clin Biol Res** 1990; 354A:179-91 (29 ref.)

Growth control of normal and malignant breast epithelium. Lippman ME, et al. **Prog Clin Biol Res** 1990;354A:147-78 (230 ref.)

Biology of residual breast cancer after therapy: a kinetic interpretation. Norton L. **Prog Clin Biol Res** 1990; 354A:109-32 (62 ref.)

Internal mammary lymphadenopathy: imaging of a vital lymphatic pathway in breast cancer. Scatarige JC, et al. **Radiographics** 1990 Sep;10(5):857-70 (14 ref.)

Bilateral breast cancer. Donovan AJ. **Surg Clin North Am** 1990 Oct;70(5):1141-9 (14 ref.)

Prognostic indicators in invasive breast cancer. Sunderland MC, et al. **Surg Clin North Am** 1990 Oct;70(5):989-1004 (64 ref.)

The role of mammographic parenchymal patterns in screening for carcinoma of the breast. Kalisher L, et al. **Surg Gynecol Obstet** 1991 Jan;172(1):81-8 (40 ref.)

The accuracy of malignant diagnoses established by fine needle aspiration cytologic procedures of mammary masses. Nicastri GR, et al. **Surg Gynecol Obstet** 1991 Jun; 172(6):457-60 (20 ref.)

Adenomyoepithelioma of the breast. A case report. Accurso A, et al. **Tumori** 1990 Dec 31;76(6):606-10 (54 ref.)

[Paget's disease of the nipple associated with epidermal basaloid hyperplasia simulating basal cell carcinoma] Tousignant J, et al. **Ann Dermatol Venereol** 1991; 118(3):211-4 (28 ref.) **(Fre)**

[New histopathologic techniques for determining prognosis] Genton CY. **Arch Gynecol Obstet** 1990;247 Suppl:S81-5 (22 ref.) **(Fre)**

[Primary mammary focus of malignant non-Hodgkin's lymphoma. Apropos of 10 cases] Abbes M, et al. **J Chir (Paris)** 1991 Feb;128(2):65-70 (22 ref.) (Eng. Abstr.) **(Fre)**

[Intraductal carcinomas in situ. Retrospective study of 21 cases and review of the literature] Levêque J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991;20(2):149-62 (34 ref.) (Eng. Abstr.) **(Fre)**

[Optimal sampling for diagnostic and prognostic purposes before first-line chemotherapy of breast cancer] Tubiana-Hulin M, et al. **Presse Med** 1991 Jun 15; 20(23):1079-82 (18 ref.) (Eng. Abstr.) **(Fre)**

[What is "mastopathy at risk" for the anatomopathologist?] Contesso G, et al. **Rev Fr Gynecol Obstet** 1991 Jan; 86(1):9-12 (7 ref.) (Eng. Abstr.) **(Fre)**

[In situ determination of the Ki-67 growth fraction (Ki-67 GF) in human tumors (studies in breast cancer)] Lellé RJ. **Acta Histochem Suppl** 1990;39:109-24 (45 ref.) (Eng. Abstr.) **(Ger)**

[The value of aspiration cytology of the breast] Schöndorf H. **Gynakologe** 1990 Dec;23(6):349-57 (38 ref.) **(Ger)**

[Chondroosteoid breast tumor with multi-nucleated giant cells. Case report and review of the literature] Oemus K, et al. **Pathologe** 1990 Sep;11(5):307-12 (29 ref.) **(Ger)**

[Bone scintigraphy in breast cancer: a ten-year follow up study] Rajtár M, et al. **Orv Hetil** 1990 Sep 2;131(35):1907-8, 1911-2 (25 ref.) (Eng. Abstr.) **(Hun)**

[Breast fibroadenoma: the morphological characteristics, morphogenesis and prognosis] Dorosevich AE, et al. **Arkh Patol** 1991;53(5):74-7 (51 ref.) (Eng. Abstr.) **(Rus)**

[The cellular proliferation of breast cancer] Korman DB. **Vopr Onkol** 1990;36(9):1027-36 (61 ref.) **(Rus)**

PHYSIOPATHOLOGY

The process of malignant progression in human breast cancer. Clarke R, et al. **Ann Oncol** 1990 Nov;1(6):401-7 (76 ref.)

Ethnic variation in breast cancer survival: a review. Le Marchand L. **Breast Cancer Res Treat** 1991 May;18 Suppl 1:S119-26 (56 ref.)

Insulin-like growth factors in human breast cancer. Rosen N, et al. **Breast Cancer Res Treat** 1991 May;18 Suppl 1:S55-62 (48 ref.)

Cathepsin D in breast cancer: from molecular and cellular biology to clinical applications. Rochefort H, et al. **Cancer Cells** 1990 Dec;2(12):383-8 (42 ref.)

The role of epidermal growth factor receptors in breast cancer. Buick RN, et al. **Cancer Treat Res** 1991;53:159-70 (75 ref.)

Steroid hormone regulation of cultured breast cancer cells. Darbre PD, et al. **Cancer Treat Res** 1988;40:307-41 (119 ref.)

Control of human breast cancer by estrogen, growth factors, and oncogenes. Dickson RB, et al. **Cancer Treat Res** 1988; 40:119-65 (316 ref.)

Stromal-epithelial interactions in normal and neoplastic mammary gland. Haslam SZ. **Cancer Treat Res** 1991; 53:401-20 (81 ref.)

Tenascin in mammary gland development: from embryogenesis to carcinogenesis. Sakakura T, et al. **Cancer Treat Res** 1991;53:383-400 (53 ref.)

Actions of pituitary prolactin and insulin-like growth factor II in human breast cancer. Shiu RP, et al. **Cancer Treat Res** 1988;40:167-83 (50 ref.)

Studies of EGF-mediated growth control and signal transduction using the MDA-MB-468 human breast cancer cell line. Buick RN, et al. **Prog Clin Biol Res** 1990; 354A:179-91 (29 ref.)

[Cancer and steroid hormones] Matsumoto K. **Nippon Seikeigeka Gakkai Zasshi** 1990 Nov;64(11):1127-33 (14 ref.) **(Jpn)**

[Original physiopathological integration and new treatment possibilities and approaches in breast cancer] Sánchez-Harguindey S, et al. **An Med Interna** 1991 Mar; 8(3):142-7 (74 ref.) (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Is routine mammography screening appropriate for women 40-49 years of age? Miller AB. **Am J Prev Med** 1991 Jan-Feb;7(1):55-62 (43 ref.)

Prelude to breast cancer prevention with an antiestrogen. Jordan VC. **Ann Oncol** 1990 Sep;1(5):327-8 (9 ref.)

Surgical assessment of benign breast disease in screening. Monypenny IJ. **Br J Clin Pract Symp Suppl** 1989 Nov; 68:118-20; discussion 133-6 (13 ref.)

Screening mammography. McLelland R. **Cancer** 1991 Feb 15;67(4 Suppl):1129-31 (18 ref.)

Role of early diagnosis and screening; biomarkers. Miller AB. **Cancer Detect Prev** 1991;15(1):21-6 (20 ref.)

Reducing cancer risk in women through lifestyle-mediated changes in hormone levels. Pike MC. **Cancer Detect Prev** 1990;14(6):595-607 (42 ref.)

Approaches to breast cancer prevention. Stoll BA. **Clin Oncol (R Coll Radiol)** 1990 Mar;2(2):108-16 (69 ref.)

Identification of high-risk groups and preventive strategies. Love RR. **Curr Opin Oncol** 1989 Dec;1(2):284-7 (11 ref.)

Breast cancer screening. Smart CR. **Curr Opin Oncol** 1989 Dec;1(2):288-94 (29 ref.)

Implementation of breast cancer screening. Pisano ED, et al. **Curr Opin Radiol** 1991 Aug;3(4):579-87 (30 ref.)

Reduced breast-cancer mortality with mammography screening--an assessment of currently available data. Rutqvist LE, et al. **Int J Cancer Suppl** 1990;5:76-84 (28 ref.)

Norwegian consensus conference on mammography. Consensus statement. **Int J Technol Assess Health Care** 1991;7(1):84-90 (0 ref.)

Breast cancer: the decision to screen. Forrest AP. **J Public Health Med** 1991 Feb;13(1):2-12 (97 ref.)

Accessibility and possibility of elimination of breast epithelium: the theoretical possibility of preventing breast carcinoma through destruction of the epithelium of origin [published erratum appears in Med Hypotheses 1991 Feb;34(2):190] Pansera F. **Med Hypotheses** 1990 Oct; 33(2):107-11 (32 ref.)

Dietary prevention of breast cancer. Rose DP, et al. **Med Oncol Tumor Pharmacother** 1990;7(2-3):121-30 (78 ref.)

Current management of primary breast cancer. Part I: Screening, diagnosis, staging and local treatment of stage

I and II disease. Lopez MJ, et al. **Mo Med** 1990 Sep; 87(9):684–90 (14 ref.)

Use of mammography in screening for breast cancer. Sierra AE, et al. **Obstet Gynecol Clin North Am** 1990 Dec; 17(4):927–38 (32 ref.)

Follow-up studies of the health insurance plan study and the breast cancer detection demonstration project screening trials in the USA. Feig SA. **Recent Results Cancer Res** 1990;119:39–52 (28 ref.)

Should breast self-examination be included in a mammographic screening program? Feig SA. **Recent Results Cancer Res** 1990;119:151–64 (31 ref.)

Screening for breast cancer: opportunities, status and challenges. McLelland R. **Recent Results Cancer Res** 1990; 119:29–38 (68 ref.)

Low-cost mass screening as a means of reducing overall mortality from breast cancer. McLelland R. **Recent Results Cancer Res** 1990;119:53–9 (34 ref.)

One versus two views per breast for screening mammography. Sickles EA. **Recent Results Cancer Res** 1990;119:81–7 (33 ref.)

Breast cancer screening. **Stat Bull Metrop Insur Co** 1991 Jan–Mar;72(1):12–6 (16 ref.)

Dietary omega 3 fatty acids and cancer: an overview. Galli C, et al. **World Rev Nutr Diet** 1991;66:446–61 (61 ref.)

[Does a consensus exist in France for breast cancer detection in the entire population?] Serin D. **Pathol Biol (Paris)** 1990 Oct;38(8):831–3 (0 ref.) **(Fre)**

[Imaging procedures in early cancer of the breast. Current status of screening and diagnosis] Kessler M, et al. **Chirurg** 1991 Feb;62(2):77–84 (16 ref.) **(Ger)**

[Can breast cancer be prevented?] Vatten LJ. **Tidsskr Nor Laegeforen** 1991 May 30;111(14):1745–8 (25 ref.) (Eng. Abstr.) **(Nor)**

[Screening for breast cancer in Poland] Buraczewski J, et al. **Pol Tyg Lek** 1990 Aug 6–13;45(32–33):674–6 (21 ref.) **(Pol)**

PSYCHOLOGY

The impact of breast cancer on sexuality, body image, and intimate relationships. Schover LR. **CA** 1991 Mar–Apr; 41(2):112–20 (35 ref.)

Psychosocial adjustment in women with breast cancer. Irvine D, et al. **Cancer** 1991 Feb 15;67(4):1097–117 (49 ref.)

Psychosocial aspects of breast cancer. Fetting JH. **Curr Opin Oncol** 1990 Dec;2(6):1093–6 (15 ref.)

Psychosocial and other supportive aspects of breast cancer care. Fetting JH. **Curr Opin Oncol** 1989 Dec;1(2):333–6 (16 ref.)

[Integration of psychological management strategies in the treatment course of breast carcinoma] Langer M, et al. **Wien Klin Wochenschr** 1990 Dec 7;102(23):683–7 (22 ref.) (Eng. Abstr.) **(Ger)**

[The psychopathological aspects related to breast cancer] Morera Pérez B, et al. **Rev Med Univ Navarra** 1990 Jan–Mar;34(1):25–8 (24 ref.) (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Mammography and malpractice. Potchen EJ, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):475–80 (34 ref.)

Mammography and early breast cancer detection. Bassett LW, et al. **Am Fam Physician** 1991 Feb;43(2):547–57 (34 ref.)

Mammography in younger women. Grumbach Y, et al. **Curr Opin Radiol** 1991 Aug;3(4):602–10 (16 ref.)

New insights into mammographic correlations in breast pathology. Troupin RH, et al. **Curr Opin Radiol** 1991 Aug; 3(4):593–601 (37 ref.)

Radiological guidelines for the detection of early breast cancer: a review. Van den Bosch H, et al. **J Belge Radiol** 1990 Oct;73(5):339–56 (84 ref.)

The UK breast cancer screening programme: an expensive mistake. Rodgers A. **J Public Health Med** 1990; 12(3–4):197–204 (58 ref.)

Stellate lesions of the breast. McLelland R. **Recent Results Cancer Res** 1990;119:24–8 (23 ref.)

Mammographic features of malignancy found during screening. Sickles EA. **Recent Results Cancer Res** 1990; 119:88–93 (20 ref.)

Roentgenographic evaluation of the augmented breast. Douglas KP, et al. **South Med J** 1991 Jan;84(1):49–54 (28 ref.)

[Radiological monitoring of breast cancer following conservative treatment] Tristant H. **J Belge Radiol** 1990 Oct;73(5):405–10 (18 ref.) **(Fre)**

[Diagnostic value of calcifications in mammography] Tetti C, et al. **Rev Fr Gynecol Obstet** 1990 Jul–Sep;85(7–9):461–6 (12 ref.) (Eng. Abstr.) **(Fre)**

[Malignant lymphoma of the breast] Golder W, et al. **Rontgenpraxis** 1991 Jan;44(1):20–3 (34 ref.) **(Ger)**

[Malignant cystosarcoma phyllodes] Dietz R. **Strahlenther Onkol** 1991 May;167(5):292–4 (29 ref.) (Eng. Abstr.) **(Ger)**

[Indications mammography--preventive mammography] Hasert V. **Z Arztl Fortbild (Jena)** 1991 Apr 10; 85(7):293–300 (15 ref.) **(Ger)**

RADIONUCLIDE IMAGING

Monoclonal antibodies for radioimmunoscintigraphy of breast cancer. Merino MJ, et al. **Int J Rad Appl Instrum [B]** 1991;18(4):437–43 (108 ref.)

RADIOTHERAPY

The role of radiation therapy in the management of primary breast cancer. Pierce SM, et al. **CA** 1991 Mar–Apr; 41(2):85–96 (63 ref.)

Acute radiation pneumonitis after postmastectomy irradiation: effect of fraction size. Price A, et al. **Clin Oncol (R Coll Radiol)** 1990 Jul;2(4):224–9 (20 ref.)

Radiotherapy in the management of primary and advanced disease. McCormick B. **Curr Opin Oncol** 1989 Dec; 1(2):302–7 (20 ref.)

Radiotherapy in the management of primary and advanced breast cancer. McCormick B. **Curr Opin Oncol** 1990 Dec; 2(6):1043–8 (15 ref.)

The 'boost' in the treatment of early-stage breast cancer: electrons versus interstitial implants. Recht A, et al. **Front Radiat Ther Oncol** 1991;25:169–79; discussion 180–2 (22 ref.)

Electron arc therapy of the chest wall for breast cancer: rationale, dosimetry, and clinical aspects. Stewart JR, et al. **Front Radiat Ther Oncol** 1991;25:134–50 (41 ref.)

Exclusive radical radiation therapy in breast carcinoma. Dubois JB, et al. **Radiother Oncol** 1991 Jan;20(1):24–9 (23 ref.)

Hypofractionation: lessons from complications. Fletcher GH. **Radiother Oncol** 1991 Jan;20(1):10–5 (28 ref.)

Combined irradiation treatment in breast cancer. Ausili-Cefaro G, et al. **Rays** 1991 Jan–Mar;16(1):17–23 (26 ref.) **(Eng, Ita)**

Clinical problems in follow-up of patients after conservative surgery and radiotherapy. Recht A, et al. **Surg Clin North Am** 1990 Oct;70(5):1179–86 (31 ref.)

[Cardiologic side effects of therapeutic irradiation of breast cancer--early results] Gyenes G, et al. **Orv Hetil** 1990 Dec 2;131(48):2641–6 (27 ref.) (Eng. Abstr.) **(Hun)**

SECONDARY

Etoposide in the management of metastatic breast cancer. Sledge GW Jr. **Cancer** 1991 Jan 1;67(1 Suppl):266–70 (30 ref.)

Lonidamine in metastatic breast cancer. Rosso R, et al. **Semin Oncol** 1991 Apr;18(2 Suppl 4):62–5 (18 ref.)

Ovarian carcinoma metastatic to the breast and axillary node. Duda RB, et al. **Surgery** 1991 Sep;110(3):552–6 (26 ref.)

SURGERY

Quadrantectomy for early breast cancer. Young AE. **Br J Surg** 1991 Apr;78(4):387 (6 ref.)

A biological perspective of breast cancer: contributions of the National Surgical Adjuvant Breast and Bowel Project clinical trials. Fisher B. **CA** 1991 Mar–Apr;41(2):97–111 (37 ref.)

The surgical management of primary breast cancer. Kinne DW. **CA** 1991 Mar–Apr;41(2):71–84 (44 ref.)

Postoperative follow-up of patients with early breast cancer. Patterns of care among clinical oncologists and a review of the literature. Loomer L, et al. **Cancer** 1991 Jan 1; 67(1):55–60 (18 ref.)

Surgery for early breast cancer. Forbes JF. **Curr Opin Oncol** 1990 Dec;2(6):1015–24 (28 ref.)

Staging and surgical approaches to carcinoma of the breast. Smith TJ. **Curr Opin Oncol** 1989 Dec;1(2):295–301 (19 ref.)

Breast cancer: chest wall hyperthermia–electron beam therapy. Kapp DS, et al. **Front Radiat Ther Oncol** 1991; 25:151–68; discussion 180–2 (45 ref.)

The impact of breast-conserving treatment and mastectomy on the quality of life of early-stage breast cancer patients: a review. Kiebert GM, et al. **J Clin Oncol** 1991 Jun; 9(6):1059–70 (53 ref.)

The axilla: not a no-go zone [see comments] Fentiman IS, et al. **Lancet** 1991 Jan 26;337(8735):221–3 (27 ref.) Comment in: Lancet 1991 Feb 16;337(8738):438. Comment in: Lancet 1991 Feb 23;337(8739):486–8. Comment in: Lancet 1991 Mar 16;337(8742):682.

Prognostic factors in resectable breast cancer. Jotti GS. **Semin Oncol** 1991 Apr;18(2 Suppl 4):53–7 (22 ref.)

Management of local and regional recurrence after mastectomy or breast-conserving treatment. Ames FC, et al. **Surg Clin North Am** 1990 Oct;70(5):1115–24 (34 ref.)

Selection of breast-preservation therapy for primary invasive breast carcinoma. Cady B, et al. **Surg Clin North Am** 1990 Oct;70(5):1047–59 (39 ref.)

Role of mastectomy in breast cancer. Osborne MP, et al. **Surg Clin North Am** 1990 Oct;70(5):1023–46 (60 ref.)

Results of conservative surgery and radiation therapy for breast cancer. Osteen RT, et al. **Surg Clin North Am** 1990 Oct;70(5):1005–21 (60 ref.)

Clinical problems in follow-up of patients after conservative surgery and radiotherapy. Recht A, et al. **Surg Clin North Am** 1990 Oct;70(5):1179–86 (31 ref.)

Management of the pregnant patient with carcinoma of the breast. Barnavon Y, et al. **Surg Gynecol Obstet** 1990 Oct; 171(4):347–52 (52 ref.)

The "seed and soil" hypothesis and the decline of radical surgery: a surgeon's opinion. Evans RA. **Tex Med** 1990 Sep;86(9):85–9 (42 ref.)

[Repair of chest wall defects after full thickness surgical resection] Abbes M, et al. **Ann Chir** 1990;44(8):673–80 (20 ref.) (Eng. Abstr.) **(Fre)**

[Treatment of pT1pN0 tumors and carcinoma in situ of the breast] Laffer U, et al. **Arch Gynecol Obstet** 1990;247 Suppl:S91–7 (20 ref.) **(Ger)**

[Plastic surgery aspects in small breast cancer] Spilker G, et al. **Chirurg** 1991 Feb;62(2):91–7 (21 ref.) **(Ger)**

[Breast saving operation and adjuvant therapy of breast cancer. Report of the National Institute of Health (NIH) Consensus Development Conference, Washington D.C. 18–21 June 1990] Kaufmann M, et al. **Geburtshilfe Frauenheilkd** 1990 Oct;50(10):827–8 (0 ref.) **(Ger)**

[Breast saving therapy of breast cancer--indications and sequelae--results of a multiple specialty consensus conference] Hellriegel KP. **Handchir Mikrochir Plast Chir** 1991 Mar;23(2):96–9; discussion 99–101 (0 ref.) **(Ger)**

[Breast saving therapy of breast cancer--indications and consequences--results of a multidisciplinary consensus conference] **Langenbecks Arch Chir** 1991;376(3):189–92 (0 ref.) **(Ger)**

[Breast saving operation and adjuvant therapy of breast cancer. Report of the National Institute of Health (NIH) consensus development conference, Washington, D.C., USA, 18–21 June 1990] Kaufmann M, et al. **Onkologie** 1990 Oct;13(5):394–6 (2 ref.) **(Ger)**

[Breast saving therapy of breast cancer--indications and consequences. Results of a multidisciplinary consensus conference in Berlin, November 2–3, 1989] **Pathologe** 1990 Sep;11(5):316–8 (0 ref.) **(Ger)**

[Ablative versus conservative therapy of operable breast cancer] Kubista E. **Zentralbl Gynakol** 1990;112(18):1143–50 (7 ref.) (Eng. Abstr.) **(Ger)**

[Current role of radical surgery in the treatment of breast tumors] Caruso F, et al. **G Chir** 1989 Mar;10(3):124–7 (27 ref.) (Eng. Abstr.) **(Ita)**

[Local recurrence after mastectomy by the Patey technique. Analysis of a personal caseload and characterization of risk factors] De Bernardinis G, et al. **G Chir** 1989 Jan–Feb; 10(1–2):19–23 (32 ref.) (Eng. Abstr.) **(Ita)**

[Current surgical approaches in carcinoma of the breast] Scarpini M, et al. **G Chir** 1988 Feb;9(2):121–6 (36 ref.) (Eng. Abstr.) **(Ita)**

[Autologous hematopoietic stem cell transplantation--application to recurrent breast cancer] Mukaiyama T, et al. **Gan To Kagaku Ryoho** 1990 Oct; 17(10):1989–96 (36 ref.) (Eng. Abstr.) **(Jpn)**

[Immediate breast reconstruction and oncologic criteria: our current definition] Pompei S, et al. **Rev Paul Med** 1990 Jan–Feb;108(1):21–5 (30 ref.) (Eng. Abstr.) **(Por)**

[Use of the greater omentum for reconstruction of the chest] Nikoladze GD. **Sov Med** 1991;(4):28–31 (58 ref.) **(Rus)**

THERAPY

Treatment of early-stage breast cancer. Many questions, a few answers. Laughlin EH. **Ala Med** 1991 Apr;60(10):10–4 (29 ref.)

NIH statement covers early breast cancer treatment. **Am Fam Physician** 1990 Nov;42(5):1440, 1442 (0 ref.)

Recent advances in the treatment of breast cancer. Ziegler LD, et al. **Am J Med Sci** 1991 May;301(5):337–52 (212 ref.)

Early-stage breast cancer: the options. Knobf MT. **Am J Nurs** 1990 Nov;90(11):28–30 (35 ref.)

Interstitial laser hyperthermia in tumour therapy. Masters A, et al. **Ann Chir Gynaecol** 1990;79(4):244–51 (34 ref.)

Response to treatment of breast cancer. Berenberg JL. **Breast Cancer Res Treat** 1991 May;18 Suppl 1:S147–55 (59 ref.)

Biological response modifiers in the management of patients with breast cancer. Longo DL, et al. **Breast Cancer Res Treat** 1990 Sep;16(2):67–87 (133 ref.)

Adjuvant therapy for node-negative breast cancer. The use of prognostic factors in selecting patients. Winchester DP. **Cancer** 1991 Mar 15;67(6 Suppl):1741–3 (20 ref.)

Breast cancer. Hartmann LC, et al. **Cancer Chemother Biol Response Modif** 1990;11:510–30 (116 ref.)

Consensus conference. Treatment of early stage breast cancer. National Institutes of Health. **Conn Med** 1991 Feb; 55(2):101–7 (0 ref.)

Early stage breast cancer. **Consens Statement** 1990 Jun 18–21; 8(6):1–19 (0 ref.)

Locally advanced breast cancer. Swain SM. **Curr Opin Oncol** 1989 Dec;1(2):318–23 (14 ref.)

Adjuvant therapy of breast cancer. International Breast Cancer Study Group. Goldhirsch A, et al. **Eur J Cancer** 1991;27(3):389–99 (68 ref.)

NIH consensus meeting on early breast cancer. Veronesi U. **Eur J Cancer** 1990;26(7):843–4 (0 ref.)

Breast cancer and pregnancy. van der Vange N, et al. **Eur J Surg Oncol** 1991 Feb;17(1):1–8 (69 ref.)

High-dose chemotherapy and autologous bone marrow support for breast cancer. Peters WP. **Important Adv Oncol** 1991;:135–50 (77 ref.)

Breast conserving treatment for early cancers. Rationales, perspectives and techniques. Regnier R, et al. **J Belge Radiol** 1990 Oct;73(5):411–7 (46 ref.)

NIH consensus conference. Treatment of early-stage breast cancer. **JAMA** 1991 Jan 16;265(3):391–5 (0 ref.)

Current management of primary breast cancer. Part II: Adjuvant therapy and management of stage III disease and in-situ carcinoma. Lopez MJ, et al. **Mo Med** 1990 Oct; 87(10):757–62 (19 ref.)

NIH Consensus Development Conference statement on the treatment of early-stage breast cancer.

Oncology (Williston Park) 1991 Feb;5(2):120–4 (0 ref.)
Management of male breast cancer. Kinne DW.
Oncology (Williston Park) 1991 Mar;5(3):45–7; discussion 47–8 (37 ref.)
Therapeutic aspects of low-risk breast cancer. Höffken K.
Onkologie 1990 Aug;13(4):237–43 (66 ref.)
Biology of residual breast cancer after therapy: a kinetic interpretation. Norton L. **Prog Clin Biol Res** 1990; 354A:109–32 (62 ref.)
Dose intensification using combination alkylating agents and autologous bone marrow support in the treatment of primary and metastatic breast cancer: a review of the Duke Bone Marrow Transplantation Program experience. Peters WP. **Prog Clin Biol Res** 1990;354B:185–94 (22 ref.)
Trends in primary breast cancer management. Where are we going? Baum M. **Surg Clin North Am** 1990 Oct; 70(5):1187–92 (6 ref.)
Selection of therapy for stage III breast cancer. Swain SM. **Surg Clin North Am** 1990 Oct;70(5):1061–80 (71 ref.)
Inoperable recurrence after breast-conserving surgical treatment and radiotherapy. Kurtz JM, et al.
Surg Gynecol Obstet 1991 May;172(5):357–61 (31 ref.)
[Quality of life with adjuvant treatment of breast cancer] Grønvold M. **Ugeskr Laeger** 1991 Apr 22;153(17):1185–9 (30 ref.) (Eng. Abstr.) **(Dan)**
[Concomitant association of radiotherapy and chemotherapy in inflammatory breast cancer. Initial results of phase II trial] Campana F, et al. **Bull Cancer (Paris)** 1991; 78(5):445–52 (17 ref.) (Eng. Abstr.) **(Fre)**
[Adjuvant systemic therapy in breast carcinoma in the 1990s: status of things and open questions] Goldhirsch A, et al. **Schweiz Med Wochenschr** 1990 Nov 24;120(47):1771–83 (60 ref.) (Eng. Abstr.) **(Ger)**
[Interdisciplinary communication in breast-preserving therapy of early infiltrating ductal breast carcinoma] Greiner R, et al. **Schweiz Rundsch Med Prax** 1991 Mar 12;80(11):262–8 (59 ref.) (Eng. Abstr.) **(Ger)**
[Breast-conserving therapy in breast carcinoma—the indications and sequelae. The results of a multidisciplinary consensus meeting] Hellriegel KP. **Strahlenther Onkol** 1991 Feb;167(2):115–9 (0 ref.) (Eng. Abstr.) **(Ger)**
[Follow-up of breast carcinoma] Cappellini M, et al.
Radiol Med (Torino) 1991 May;81(5):718–24 (39 ref.) (Eng. Abstr.) **(Ita)**
[Evaluation of results in radical treatment of breast cancer in men] Kaczmarczyk Z, et al. **Nowotwory** 1990 Oct–Dec; 40(4):267–74 (21 ref.) (Eng. Abstr.) **(Pol)**
[Treatment of breast cancer has improved] Wallgren A.
Lakartidningen 1991 Aug 7;88(32–33):2573–5 (9 ref.) **(Swe)**

ULTRASONOGRAPHY

Breast sonography. Bassett LW, et al.
AJR Am J Roentgenol 1991 Mar;156(3):449–55 (44 ref.)
The role of US in breast imaging. Jackson VP. **Radiology** 1990 Nov;177(2):305–11 (69 ref.)
Breast ultrasound in the detection of breast cancer. Lorino CO. **Recent Results Cancer Res** 1990;119:136–40 (7 ref.)
[Breast echography] Cosmacini P, et al.
Radiol Med (Torino) 1991 Jan–Feb;81(1–2):140–9 (39 ref.) **(Ita)**

ULTRASTRUCTURE

Growth factor receptors and the progression of breast cancer. Kern FG, et al. **Semin Cancer Biol** 1990 Oct;1(5):317–28 (114 ref.)

BREATH TESTS

Clinical application of breath hydrogen measurements. Perman JA. **Can J Physiol Pharmacol** 1991 Jan;69(1):111–5 (40 ref.)

BREATHALYZER TESTS see **BREATH TESTS**

BREATHING EXERCISES

Breathing exercises for the medical patient: the art and the science. Kigin CM. **Phys Ther** 1990 Nov;70(11):700–6 (43 ref.)

BREECH PRESENTATION

External cephalic version at term: how high are the stakes? [comment] Hofmeyr GJ. **Br J Obstet Gynaecol** 1991 Jan; 98(1):1–3 (18 ref.) Comment on: Br J Obstet Gynaecol 1991 Jan;98(1):8–13.
[Is breech presentation an indication for cesarean section?] Keirse MJ. **Ned Tijdschr Geneeskd** 1990 Nov 17; 134(46):2230–3 (25 ref.) **(Dut)**

BREEDING

Genetic conservation of domestic livestock. Hall SJ.
Oxf Rev Reprod Biol 1990;12:289–318 (187 ref.)
Out-of-season breeding in goats. Haibel GK.
Vet Clin North Am Food Anim Pract 1990 Nov;6(3):577–83 (56 ref.)
The role of private practitioners in accelerated lambing. Matthews D. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):585–95 (20 ref.)
Clinical approach to infertility in the cycling bitch. Freshman JL. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):427–35 (29 ref.)
Skin diseases of the Chinese Shar-Pei. Muller GH.
Vet Clin North Am Small Anim Pract 1990 Nov; 20(6):1655–70 (5 ref.)
Genetic selection in farmed deer. McManus C. **Vet Rec** 1991 Feb 2;128(5):100–2 (7 ref.)
[Animal welfare aspects of animal breeding] Wegner W.
DTW Dtsch Tierarztl Wochenschr 1991 Jan;98(1):6–9 (18 ref.) **(Ger)**

METHODS

New animal breeding techniques and their application. First NL. **J Reprod Fertil Suppl** 1990;41:3–14 (103 ref.)
Vectors and genes for improvement of animal strains. Hughes SH, et al. **J Reprod Fertil Suppl** 1990;41:39–49 (45 ref.)

BRIGHT DISEASE see **GLOMERULONEPHRITIS**

BRILL-SYMMERS DISEASE see **LYMPHOMA, FOLLICULAR**

BRIQUET SYNDROME see **SOMATOFORM DISORDERS**

BRISTLE-COATED PITS see **COATED PITS, CELL MEMBRANE**

BRL 2288 see **TICARCILLIN**

BROAD BETA DISEASE see **HYPERLIPOPROTEINEMIA TYPE III**

BROAD LIGAMENT

Leiomyosarcoma of the broad ligament—report of two cases. Lee JF, et al. **Chung Hua I Hsueh Tsa Chih** 1991 Jul; 48(1):59–65 (20 ref.)

BROCA AREA see **FRONTAL LOBE**

BROCK'S SYNDROME see **MIDDLE LOBE SYNDROME**

BROMATES

TOXICITY

Toxicity and carcinogenicity of potassium bromate—a new renal carcinogen. Kurokawa Y, et al.
Environ Health Perspect 1990 Jul;87:309–35 (111 ref.)

BROMCHLORTRIFLUORETHANE see **HALOTHANE**

BROMHEXINE

Bromhexine. Sehgal SK, et al. **Indian Pediatr** 1990 May; 27(5):479–83 (32 ref.)

BROMHEXINE METABOLITE VIII see **AMBROXOL**

BROMOCRIPTINE

ADVERSE EFFECTS

Retroperitoneal fibrosis in two patients with Parkinson's disease treated with bromocriptine. Kains JP, et al.
Acta Clin Belg 1990;45(5):306–10 (14 ref.)

THERAPEUTIC USE

Bromocriptine in obstetrics and gynaecology. Haider P.
JPMA 1990 Sep;40(9):224–9 (71 ref.)

BROMOCRYPTIN see **BROMOCRIPTINE**

BROMODEOXYURIDINE

DIAGNOSTIC USE

The use of 5'-bromodeoxyuridine in the study of cell proliferation. Hardonk MJ, et al. **Acta Histochem Suppl** 1990;39:99–108 (57 ref.)

TOXICITY

The genetic toxicology of 5-bromodeoxyuridine in mammalian cells. Morris SM. **Mutat Res** 1991 Sep; 258(2):161–88 (324 ref.)

2-BROMOERGOCRYPTINE see **BROMOCRIPTINE**

BROMOURACIL DEOXYRIBOSIDE see **BROMODEOXYURIDINE**

BRONCHI

Pharmacology of airway smooth muscle in chronic obstructive pulmonary disease and in asthma [published erratum appears in Am Rev Respir Dis 1991 Sep;144(3 Pt 1):733] Black JL. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1177–81 (34 ref.)
Mainstem bronchial obstruction secondary to nasotracheal intubation: a case report and review of the literature. Knuth TE, et al. **Anesth Analg** 1991 Oct;73(4):487–9 (12 ref.)
Management of tracheobronchial foreign bodies in children: an update. Healy GB. **Ann Otol Rhinol Laryngol** 1990 Nov; 99(11):889–91 (2 ref.)
Safety of the transbronchial biopsy in outpatients. Hernández Blasco L, et al. **Chest** 1991 Mar;99(3):562–5 (31 ref.)
[Tracheobronchial foreign bodies in childhood. Study of 133 cases and review of the literature] Sánchez Gómez S, et al. **Acta Otorrinolaringol Esp** 1990 Sep–Oct;41(5):309–16 (36 ref.) (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Bronchial anomaly of the right upper lobe. Read R, et al.
Ann Thorac Surg 1990 Dec;50(6):980–1 (7 ref.)
[A case report of congenital bronchial atresia—a review of 43 cases in Japan] Asada M, et al.
Nippon Kyobu Geka Gakkai Zasshi 1991 Apr;39(4):463–8 (11 ref.) (Eng. Abstr.) **(Jpn)**
[A case of accessory cardiac bronchus with acute empyema treated by open drainage] Suzuki M, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1991 May; 29(5):600–5 (20 ref.) (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

CT of the airways. Davis SD, et al. **Clin Imaging** 1990 Oct–Dec;14(4):280–300 (71 ref.)

BLOOD SUPPLY

Neural control of airway vasculature and edema. Widdicombe JG. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S18–21 (30 ref.)
Lung mechanical effects on the bronchial circulation. Deffebach ME. **Eur Respir J Suppl** 1990 Dec;12:586s–590s (18 ref.)
Reflex and nervous control of the tracheobronchial circulation. Godden DJ. **Eur Respir J Suppl** 1990 Dec; 12:602s–607s (59 ref.)
Vascular beds in the airways of normal subjects and asthmatics [published erratum appears in Eur Respir J Suppl 1991 Mar;4(3):382, 659S–660S] Laitinen A, et al.
Eur Respir J Suppl 1990 Dec;12:658s–661s; discussion 661s–662s (25 ref.)
The ultrastructure and permeability of tracheobronchial blood vessels in health and disease. McDonald DM.
Eur Respir J Suppl 1990 Dec;12:572s–585s (103 ref.)
Comparative anatomy of the tracheobronchial circulation. Magno M. **Eur Respir J Suppl** 1990 Dec;12:557s–562s; discussion 562s–563s (28 ref.)
Effects of neurotransmitters on tracheobronchial blood flow. Salonen RO, et al. **Eur Respir J Suppl** 1990 Dec; 12:630s–636s; discussion 636s–637s (50 ref.)
Airway heat and water fluxes and the tracheobronchial circulation. Solway J. **Eur Respir J Suppl** 1990 Dec; 12:608s–617s (69 ref.)
Effects of non-neural mediators and allergen on tracheobronchial blood flow. Webber SE, et al.
Eur Respir J Suppl 1990 Dec;12:638s–643s; discussion 643s–644s (35 ref.)
Comparison between the vascular beds of upper and lower airways. Widdicombe JG. **Eur Respir J Suppl** 1990 Dec; 12:564s–571s (37 ref.)

CHEMISTRY

Structural features of the core proteins of human airway mucins ascertained by cDNA cloning. Porchet N, et al.
Am Rev Respir Dis 1991 Sep;144(3 Pt 2):S15–8 (28 ref.)

CYTOLOGY

Human nasal and bronchial epithelial cells in culture: an overview of their characteristics and function. Devalia JL, et al. **Allergy Proc** 1991 Mar–Apr;12(2):71–9 (59 ref.)
Growth and differentiation factors in tracheobronchial epithelium. Jetten AM. **Am J Physiol** 1991 Jun;260(6 Pt 1):L361–73 (154 ref.)
Positive and negative regulation of proliferation and differentiation in tracheobronchial epithelial cells. Jetten AM, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S36–9 (29 ref.)
Functional morphology of the tracheobronchial tree and the lung periphery. Eckert H. **Z Erkr Atmungsorgane** 1991; 176(2–3):87–90 (7 ref.)

DRUG EFFECTS

Long-term effect of cromolyn sodium on nonspecific bronchial hyperresponsiveness: a review. Hoag JE, et al.
Ann Allergy 1991 Jan;66(1):53–63 (65 ref.)
Ketotifen. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic use in asthma and allergic disorders [published erratum appears in Drugs 1991 Feb;41(2):192] Grant SM, et al. **Drugs** 1990 Sep; 40(3):412–48 (214 ref.)

IMMUNOLOGY

The neuroimmune link in the bronchus-associated lymphoid tissue (BALT) of cat and rat: peptides and neural markers. Nohr D, et al. **Brain Behav Immun** 1991 Mar;5(1):84–101 (70 ref.)
Lymphocytes in the lung—localization and kinetics. Pabst R. **Z Erkr Atmungsorgane** 1991;176(2–3):98–103 (36 ref.)

INJURIES

[A case of left main bronchial rupture due to bronchocath tube] Hatta T, et al. **Kyobu Geka** 1991 Jul;44(7):549–51 (7 ref.) (Eng. Abstr.) **(Jpn)**

INNERVATION

Control of human airway smooth muscle. Black JL. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S11–2 (41 ref.)

Prejunctional control of excitatory neuroeffector transmission by prostaglandins in .he airway smooth muscle tissue. Ito Y. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S6–10 (39 ref.)

Neutral endopeptidase modulates neurogenic inflammation. Nadel JA. **Eur Respir J** 1991 Jun;4(6):745–54 (86 ref.)

METABOLISM

Airway luminal liquid. Sources and role as an amplifier of bronchoconstriction. Yager D, et al. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S52–4 (33 ref.)

Respiratory tract penetration of quinolone antimicrobials: a case in study. Ritrovato CA, et al. **Pharmacotherapy** 1991; 11(1):38–49 (70 ref.)

PATHOLOGY

Bronchial biopsies in drug intervention studies in CB and COAD. Laitinen A, et al. **Agents Actions Suppl** 1990; 30:173–81 (14 ref.)

The roles of inflammatory cells in the pathogenesis of asthma and of chronic obstructive pulmonary disease. Corrigan CJ, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1165–8; discussion 1175–6 (54 ref.)

Morphology of the airway wall in asthma and in chronic obstructive pulmonary disease. Jeffery PK. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1152–8; discussion 1161 (61 ref.)

Cellular infiltrates in asthma and in chronic obstructive pulmonary disease. Laitinen A, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1159–60; discussion 1161 (14 ref.)

Imaging the airways. Computed tomography and magnetic resonance imaging. Shepard JO, et al. **Clin Chest Med** 1991 Mar;12(1):151–68 (80 ref.)

Small airways disease. Yousem SA. **Pathol Annu** 1991;26 Pt 2:109–43 (78 ref.)

[A case of invasive thymoma displaying endobronchial polypoid growth] Yokoi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Mar; 28(3):529–34 (11 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Plasma exudation as a first line respiratory mucosal defence. Persson CG, et al. **Clin Exp Allergy** 1991 Jan;21(1):17–24 (40 ref.)

[Bronchial clearance] Köhler D, et al. **Pneumologie** 1991 May;45(5):314–32 (294 ref.) **(Ger)**

[Airway mucociliary transport] Takizawa Y. **Arerugi** 1990 Dec;39(12):1549–55 (9 ref.) **(Jpn)**

[The significance of disorders of tracheobronchial clearance in the development and course of chronic nonspecific lung diseases] Belova GV, et al. **Klin Med (Mosk)** 1990 Oct; 68(10):9–13 (23 ref.) **(Rus)**

PHYSIOPATHOLOGY

Airway hyperreactivity, an introduction. Pauwels R, et al. **Agents Actions Suppl** 1990;31:11–24 (39 ref.)

Modulation of neurogenic inflammation by neutral endopeptidase. Nadel JA, et al. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S33–6 (47 ref.)

Hyperresponsiveness as a determinant of the outcome in childhood asthma. Phelan PD. **Am Rev Respir Dis** 1991 Jun;143(6):1463–6; discussion 1466–7 (28 ref.)

Clinical assessment of bronchial hyperresponsiveness due to nonspecific and specific agents. Pickering CA. **Chest** 1990 Nov;98(5 Suppl):202S–205S (30 ref.)

Inflammatory processes and bronchial hyperresponsiveness. Holgate ST, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:30–6 (15 ref.)

Processes and bronchial hyperresponsiveness. Pauwels R, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:48–55 (15 ref.)

Airway reactivity in cystic fibrosis. Tepper RS, et al. **Clin Rev Allergy** 1991 Spring-Summer;9(1–2):159–68 (29 ref.)

Bronchial hyperresponsiveness in asthma: its significance and therapy. Zuwallack RL. **Conn Med** 1990 Nov;54(11):607–13 (94 ref.)

Plasma exudation in tracheobronchial and nasal airways: a mucosal defence mechanism becomes pathogenic in asthma and rhinitis. Persson CG. **Eur Respir J Suppl** 1990 Dec; 12:652s–656s; discussion 656s–657s (27 ref.)

Different prevalence and degree of nonspecific bronchial hyperreactivity between seasonal and perennial rhinitis. Verdiani P, et al. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 1):576–82 (33 ref.)

[Bronchial hyperreactivity] van Aalderen WM, et al. **Tijdschr Kindergeneeskd** 1991 Apr;59(2):50–8 (25 ref.) (Eng. Abstr.) **(Dut)**

[Cystic fibrosis and bronchial hyper-reactivity] Oswald-Mammosser M, et al. **Rev Mal Respir** 1991; 8(3):283–7 (25 ref.) (Eng. Abstr.) **(Fre)**

[Asthma and bronchial hyperreactivity. Current concepts] Faber J, et al. **Rev Med Brux** 1991 Jan–Feb;12(1–2):9–18 (85 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[A case of solitary bronchial papilloma and a review of the literature] Ohno N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1991 May; 29(5):618–21 (20 ref.) (Eng. Abstr.) **(Jpn)**

BRONCHIAL ARTERIES

ANATOMY & HISTOLOGY

Comparative anatomy of the tracheobronchial circulation. Magno M. **Eur Respir J Suppl** 1990 Dec;12:557s–562s; discussion 562s–563s (28 ref.)

RADIOGRAPHY

Bronchial artery embolization therapy. Roberts AC. **J Thorac Imaging** 1990 Oct;5(4):60–72 (75 ref.)

BRONCHIAL ASTHMA see **ASTHMA**

BRONCHIAL-CONSTRICTING AGENTS see **BRONCHOCONSTRICTOR AGENTS**

BRONCHIAL CONSTRICTION see **BRONCHOCONSTRICTION**

BRONCHIAL CYST see **BRONCHOGENIC CYST**

BRONCHIAL DISEASES

DIAGNOSIS

Non-isotonic aerosol challenge in the evaluation of bronchial hyperresponsiveness. Anderson SD. **Allergy Proc** 1991 May-Jun;12(3):143–9 (50 ref.)

Imaging the airways. Computed tomography and magnetic resonance imaging. Shepard JO, et al. **Clin Chest Med** 1991 Mar;12(1):151–68 (80 ref.)

[Bronchial tuberculosis. Report of 4 cases] Gadiolet Y, et al. **Rev Pneumol Clin** 1990;46(3):109–13 (31 ref.) (Eng. Abstr.) **(Fre)**

[Localized amyloidosis of the lower respiratory tract] Mitsui K, et al. **Nippon Rinsho** 1991 Apr;49(4):903–9 (16 ref.) **(Jpn)**

[An endobronchial mass as the presentation of tuberculosis. A report of 3 cases and review of the literature] Valdés Cuadrado L, et al. **An Med Interna** 1989 Dec;6(12):643–5 (23 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Therapy of bronchial hyper-responsiveness. Magnussen H, et al. **Clin Exp Allergy** 1991 May;21(3):379–89 (150 ref.)

[The use of inhibitors of proteolytic enzymes in bronchopulmonary diseases] Khudzik LB, et al. **Probl Tuberk** 1991;(1):68–71 (57 ref.) **(Rus)**

ETIOLOGY

Cytokines and bronchial hyperreactivity. Alam R. **Agents Actions Suppl** 1990;31:147–62 (51 ref.)

[The role of respiratory viral infection in the formation of bronchial hyperreactivity] Soldatov DG. **Ter Arkh** 1990; 62(8):145–50 (80 ref.) **(Rus)**

PHYSIOPATHOLOGY

[The analysis of bronchial obstruction and its reversibility after bronchodilators using a study of "density-effect" on maximum flow] Teculescu D, et al. **Rev Mal Respir** 1991; 8(1):29–37 (110 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

CT of the airways. Davis SD, et al. **Clin Imaging** 1990 Oct-Dec;14(4):280–300 (71 ref.)

Laryngotracheobronchial cartilage calcification in children. A case report and review of the literature. Santos JM. **Pediatr Radiol** 1991;21(5):377–8 (9 ref.)

The airway. Takasugi JE, et al. **Semin Roentgenol** 1991 Apr; 26(2):175–90 (48 ref.)

Computed tomographic assessment of bronchiectasis. Grenier P, et al. **Semin Ultrasound CT MR** 1990 Oct;11(5):430–41 (28 ref.)

BRONCHIAL FISTULA

Thoracic and extrathoracic bronchial fistulas. Powner DJ, et al. **Chest** 1991 Aug;100(2):480–6 (49 ref.)

COMPLICATIONS

Pancreaticobronchial fistula causing lung abscess: case report and brief discussion of the literature. Misare BD, et al. **Surgery** 1991 Sep;110(3):549–51 (17 ref.)

DIAGNOSIS

[Esophago-bronchial fistula in adults] Manac'h D, et al. **Ann Chir** 1990;44(8):636–41 (25 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Aortobronchial fistula after an aortic operation. Ishizaki Y, et al. **Ann Thorac Surg** 1990 Dec;50(6):975–7 (8 ref.)

[Bilio-bronchial fistula of hydatid origin. Apropos of 8 cases] Moumen M, et al. **J Chir (Paris)** 1991 Apr;128(4):188–92 (27 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Duodenobronchial fistula. Heitmiller RF, et al. **Surgery** 1991 Sep;110(3):546–8 (17 ref.)

BRONCHIAL LAVAGE FLUID see **BRONCHOALVEOLAR LAVAGE FLUID**

BRONCHIAL NEOPLASMS

COMPLICATIONS

[A case of disseminated atypical mycobacteriosis with multiple bronchial polyps] Gotoh T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Dec; 28(12):1628–34 (20 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Imaging techniques in the evaluation of tracheobronchial neoplasms. Aberle DR, et al. **Chest** 1991 Jan;99(1):211–5 (30 ref.)

[Malignant tumors of lung and bronchi in children and youth. 3. Diagnosis, differential diagnosis and therapeutic approach] Wunderlich P, et al. **Kinderarztl Prax** 1990 Oct; 58(10):519–22 (18 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

[A case of multiple inflammatory tracheo-bronchial polyps associated with chronic sinusitis] Sugihara R, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Nov; 28(11):1494–8 (20 ref.) (Eng. Abstr.) **(Jpn)**

METABOLISM

Growth-hormone releasing hormone in a bronchial carcinoid. Huber RM, et al. **Cancer** 1991 May 15; 67(10):2538–42 (29 ref.)

PATHOLOGY

[Development of 62 typical carcinoid tumor of the bronchi surgically treated. Prognostic value of histopathological features] Roeslin N, et al. **Ann Chir** 1990;44(8):632–5 (14 ref.) (Eng. Abstr.) **(Fre)**

[Role of modern imaging (CT-MRI) in the preoperative evaluation of bronchial cancers. Results in 202 cases] Giron J, et al. **Ann Radiol (Paris)** 1990;33(4–5):219–28 (31 ref.) (Eng. Abstr.) **(Fre)**

[A case of invasive thymoma displaying endobronchial and endocaval polypoid growth] Ichimanda M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jun;39(6):938–42 (17 ref.) (Eng. Abstr.) **(Jpn)**

[A case of invasive thymoma displaying endobronchial polypoid growth] Yokoi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Mar; 28(3):529–34 (11 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Bronchial carcinoid in adolescents. Edmonds CR, et al. **J Adolesc Health Care** 1990 Nov;11(6):519–22 (19 ref.)

SECRETION

Diagnosis of corticotropin-producing bronchial carcinoid tumors causing Cushing's syndrome [see comments] Leinung MC, et al. **Mayo Clin Proc** 1990 Oct; 65(10):1314–21 (39 ref.) Comment in: Mayo Clin Proc 1990 Oct;65(10):1377–80.

SURGERY

[Our experience of the surgical treatment of thirty-nine tracheobronchial carcinoid tumors] Balawi A, et al. **Ann Chir** 1991;45(2):155–61 (25 ref.) (Eng. Abstr.) **(Fre)**

[Endobronchial osteochondroma--report of a case] Misaki K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Feb; 39(2):251–5 (14 ref.) (Eng. Abstr.) **(Jpn)**

[A case of solitary bronchial papilloma and a review of the literature] Ohno N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1991 May; 29(5):618–21 (20 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Endoscopic palliation of tracheobronchial malignancies. Hetzel MR, et al. **Thorax** 1991 May;46(5):325–33 (77 ref.)

BRONCHIAL PROVOCATION TESTS

Non-isotonic aerosol challenge in the evaluation of bronchial hyperresponsiveness. Anderson SD. **Allergy Proc** 1991 May-Jun;12(3):143–9 (50 ref.)

Blockage of a "nonspecific" provocational challenge as a model for predicting clinical efficacy. Spector SL. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 2):657–9 (22 ref.)

Late asthmatic responses. Durham SR. **Respir Med** 1990 Jul; 84(4):263–8 (74 ref.)

[The role of airway infections in bronchial provocation reactions] Siergiejko Z. **Pneumonol Pol** 1990 Jun; 58(6):339–42 (43 ref.) **(Pol)**

[Exercise test in exercise-induced asthma in children: study of delayed response] Martorell Aragonés A, et al. **An Esp Pediatr** 1990 Jun;32(6):479–83 (25 ref.) (Eng. Abstr.) **(Spa)**

METHODS

Clinical assessment of bronchial hyperresponsiveness due to nonspecific and specific agents. Pickering CA. **Chest** 1990 Nov;98(5 Suppl):202S–205S (30 ref.)

Specific bronchoprovocation testing. Chan-Yeung M, et al. **Clin Rev Allergy** 1990 Summer–Fall;8(2–3):147–57 (45 ref.)

Bronchial provocation tests with pharmacological agents. Robinson CB, et al. **Clin Rev Allergy** 1990 Summer–Fall; 8(2–3):129–45 (47 ref.)

BRONCHIAL SPASM

CHEMICALLY INDUCED

Paradoxical bronchospasm after use of inhalation aerosols: a review of the literature. Cocchetto DM, et al. **J Asthma** 1991;28(1):49–53 (43 ref.)

ETIOLOGY

[Inflammation: a major role in the occurrence of bronchospasm] Vergnenegre A, et al. **Allerg Immunol (Paris)** 1990 Dec;22(10):405–10 (29 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Membrane IgE and adenyl cyclase activity in the dynamics of bronchospasm. Ketotifen as a blocker of antigen action. Oehling A, et al. **Allergol Immunopathol (Madr)** 1990 Jul–Aug;18(4):237–40 (15 ref.)

[The role of airway infections in bronchial provocation reactions] Siergiejko Z. **Pneumonol Pol** 1990 Jun; 58(6):339–42 (43 ref.) **(Pol)**

BRONCHIECTASIS

Bronchiectasis: a current view. Trucksis M, et al. **Curr Clin Top Infect Dis** 1991;11:170–205 (140 ref.)

RADIOGRAPHY

Bronchiectasis. Westcott JL. **Radiol Clin North Am** 1991 Sep; 29(5):1031–42 (28 ref.)

Computed tomographic assessment of bronchiectasis. Grenier P, et al. **Semin Ultrasound CT MR** 1990 Oct;11(5):430–41 (28 ref.)

SURGERY

[Lung abscess and bronchiectasis] Thermann M, et al. **Chirurg** 1990 Sep;61(9):622–8 (9 ref.) **(Ger)**

BRONCHIOLES see **BRONCHI**

BRONCHIOLITIS

EPIDEMIOLOGY

Diffuse panbronchiolitis in North America. Report of three cases and review of the literature. Randhawa P, et al. **Am J Surg Pathol** 1991 Jan;15(1):43–7 (18 ref.)

[Chronic bronchitis and related disorders] Izumi T. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Mar;28(3):410–6 (17 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

[An open lung biopsy case of follicular bronchiolitis in rheumatoid arthritis] Kusume K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Jun; 28(6):906–12 (8 ref.) (Eng. Abstr.) **(Jpn)**

BRONCHIOLITIS, EXUDATIVE see **BRONCHIOLITIS OBLITERANS**

BRONCHIOLITIS OBLITERANS

[Bronchiolitis obliterans organizing pneumonia (BOOP). Characteristics and boundaries of an anatomo-clinical entity] Cordier JF, et al. **Rev Mal Respir** 1991;8(2):139–52 (80 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Bronchiolitis obliterans with idiopathic organized pneumonia. Anatomoclinical analysis and nosologic discussion apropos of 6 cases] Kelkel E, et al. **Ann Med Interne (Paris)** 1990;141(8):661–7 (28 ref.) (Eng. Abstr.) **(Fre)**

[Bronchiolitis obliterans with pneumonic organization. Apropos of a case and review of the literature] Giron J, et al. **J Radiol** 1991 Feb;72(2):95–100 (16 ref.) (Eng. Abstr.) **(Fre)**

BRONCHIOLITIS, PROLIFERATIVE see **BRONCHIOLITIS OBLITERANS**

BRONCHIOLITIS, VIRAL

THERAPY

[Acute bronchial obstruction in infancy--therapeutic concepts] Seidenberg J, et al. **Monatsschr Kinderheilkd** 1990 Sep;138(9):584–90 (69 ref.) (Eng. Abstr.) **(Ger)**

BRONCHITIS

Plastic bronchitis: an old disease revisited. Jett JR, et al. **Mayo Clin Proc** 1991 Mar;66(3):305–11 (16 ref.)

Lower respiratory tract infections. Billas A. **Prim Care** 1990 Dec;17(4):811–24 (25 ref.)

BLOOD

Seasonal variation in the phagocytic activity and arachidonic-acid metabolism of human blood monocytes in healthy non-smokers, smokers and chronic bronchitics. Linden M, et al. **Agents Actions Suppl** 1990;30:121–32 (19 ref.)

A critical look at blood samples in CB and COAD. Venge P. **Agents Actions Suppl** 1990;30:109–19 (5 ref.)

[The dynamics of the antiprotease system and of the external respiratory function in chronic bronchitis (a review of the literature)] Pilipchuk VN. **Vrach Delo** 1990 Oct;(10):42–5 (32 ref.) **(Rus)**

CHEMICALLY INDUCED

Reactive oxygen species and airway inflammation. Barnes PJ. **Free Radic Biol Med** 1990;9(3):235–43 (80 ref.)

COMPLICATIONS

Asthma and inflammation. Kay AB. **J Allergy Clin Immunol** 1991 May;87(5):893–910 (145 ref.)

DIAGNOSIS

[Microbiological diagnosis of lower respiratory tract infections] Marre R, et al. **Immun Infekt** 1990 Oct; 18(5):147–51 (27 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Bronchial biopsies in drug intervention studies in CB and COAD. Laitinen A, et al. **Agents Actions Suppl** 1990; 30:173–81 (14 ref.)

Effects of corticosteroids in "chronic bronchitis" and "chronic obstructive airway disease". Postma DS, et al. **Agents Actions Suppl** 1990;30:41–57 (16 ref.)

Role of quinolones in the treatment of bronchopulmonary infections, particularly pneumococcal and community-acquired pneumonia. Thys JP, et al. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):304–15 (79 ref.)

Therapy for airway inflammation in asthma. Cockcroft DW. **J Allergy Clin Immunol** 1991 May;87(5):914–9 (60 ref.)

[Carbocysteine-sobrerol combination and exacerbation of chronic bronchitis] Pasturenzi L, et al. **Arch Monaldi Mal Torace** 1988 Nov–Dec;43(6):487–505 (45 ref.) (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

Inflammatory indices for chronic bronchitis and COAD. Proteases and antiproteases. Stockley RA, et al. **Agents Actions Suppl** 1990;30:229–41 (17 ref.)

EPIDEMIOLOGY

[Chronic bronchitis and related disorders] Izumi T. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Mar;28(3):410–6 (17 ref.) (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Tracheobronchitis due to Corynebacterium pseudodiphtheriticum. Craig TJ, et al. **South Med J** 1991 Apr;84(4):504–6 (9 ref.)

IMMUNOLOGY

Inflammatory indices in chronic bronchitis. Monocyte-macrophage microbicidal activity. Nielson H. **Agents Actions Suppl** 1990;30:213–8 (14 ref.)

Indices of inflammatory activity in CB and COAD. Phagocyte secretion and chemotaxis. Venge P, et al. **Agents Actions Suppl** 1990;30:219–28 (10 ref.)

MICROBIOLOGY

Fungal tracheobronchitis. Report of 9 cases and review of the literature. Clarke A, et al. **Medicine (Baltimore)** 1991 Jan;70(1):1–14 (52 ref.)

PATHOLOGY

Airway pathology of functional significance in chronic bronchitis and chronic obstructive airway disease. Hogg JC. **Agents Actions Suppl** 1990;30:11–20 (20 ref.)

Inflammatory indices for chronic bronchitis and chronic obstructive airway disease. Cell populations in bronchial and bronchoalveolar lavage. Linden M, et al. **Agents Actions Suppl** 1990;30:183–97 (16 ref.)

Which markers of inflammation should be used in therapeutic intervention studies of CB/COAD? Venge P, et al. **Agents Actions Suppl** 1990;30:289–94 (0 ref.)

A critical look at mucus markers. Widdicombe JG. **Agents Actions Suppl** 1990;30:269–79 (24 ref.)

PHYSIOPATHOLOGY

Airways hyperreactivity, bronchial inflammation and obstructive lung disease. Bleecker ER. **Agents Actions Suppl** 1990;30:73–86 (50 ref.)

[Bronchitis and obstructive bronchitis] Lode H, et al. **Verh Dtsch Ges Inn Med** 1990;96:45–8 (23 ref.) **(Ger)**

[The role of airway infections in bronchial provocation reactions] Siergiejko Z. **Pneumonol Pol** 1990 Jun; 58(6):339–42 (43 ref.) **(Pol)**

THERAPY

Points of importance in long term intervention studies in CB/COAD. Löfdahl CG, et al. **Agents Actions Suppl** 1990; 30:281–7 (15 ref.)

[Physiotherapy and mask treatment of chronic bronchitis and chronic obstructive lung disease] Christensen HR, et al. **Nord Med** 1991;106(5):157–9 (15 ref.) (Eng. Abstr.) **(Dan)**

[Physical therapy and mask treatment of chronic bronchitis and chronic obstructive lung disease (COPD)] Christensen HR, et al. **Ugeskr Laeger** 1990 Oct 29;152(44):3237–40 (30 ref.) (Eng. Abstr.) **(Dan)**

[Bronchial asthma: allergy and inflammation. Principles of rational asthma therapy (published erratum appears in Monatsschr Kinderheilkd 1990 Dec;138(12):831)] Dorsch W. **Monatsschr Kinderheilkd** 1990 Sep;138(9):578–83 (46 ref.) (Eng. Abstr.) **(Ger)**

[Acute bronchial obstruction in infancy--therapeutic concepts] Seidenberg J, et al. **Monatsschr Kinderheilkd** 1990 Sep;138(9):584–90 (69 ref.) (Eng. Abstr.) **(Ger)**

BRONCHOALVEOLAR LAVAGE FLUID

see related

IRRIGATION

The role of bronchoalveolar lavage in diagnosing nonopportunistic bacterial pneumonia [see comments] Meduri GU, et al. **Chest** 1991 Jul;100(1):179–90 (85 ref.) Comment in: Chest 1991 Jul;100(1):1–2.

Bronchoalveolar lavage. Martin WR, et al. **Clin Rev Allergy** 1990 Summer–Fall;8(2–3):305–32 (147 ref.)

Therapeutic applications of BAL. Danel C, et al. **Eur Respir J** 1990 Sep;3(8):960–1, 961–9 (294 ref.)

Bronchoalveolar lavage: application in pulmonary diseases. Sharma SK, et al. **Indian J Chest Dis Allied Sci** 1990 Jul–Sep;32(3):157–76 (118 ref.)

[Techniques applicable to broncho-alveolar lavage fluid in hospital laboratory for the diagnosis of parasitic and fungal pneumopathies in immunosuppressed patients] Beauvais B, et al. **Ann Biol Clin (Paris)** 1991;49(3):172–9 (27 ref.) (Eng. Abstr.) **(Fre)**

CYTOLOGY

Inflammatory indices for chronic bronchitis and chronic obstructive airway disease. Cell populations in bronchial and bronchoalveolar lavage. Linden M, et al. **Agents Actions Suppl** 1990;30:183–97 (16 ref.)

A critical view on lavage sampling techniques. Schmekel B. **Agents Actions Suppl** 1990;30:133–43 (13 ref.)

Double immunoenzyme staining. van Maarsseveen TC, et al. **Z Erkr Atmungsorgane** 1991;176(2–3):165–71 (5 ref.)

Bronchoalveolar lavage. van Maarsseveen TC, et al. **Z Erkr Atmungsorgane** 1991;176(2–3):112–21 (44 ref.)

[Bronchoalveolar lavage] Capron F. **Ann Pathol** 1990; 10(4):232–46 (83 ref.) **(Fre)**

[Immunopathogenesis of sarcoidosis: current practical knowledge] Müller-Quernheim J. **Z Gesamte Inn Med** 1990 Oct 1;45(19):573–7 (54 ref.) (Eng. Abstr.) **(Ger)**

[Bronchoalveolar lavage in diseases of rheumatic origin] Petermann W. **Z Rheumatol** 1990 Sep–Oct;49(5):291–3 (30 ref.) (Eng. Abstr.) **(Ger)**

[Broncho-alveolar lavage] Yamaguchi E, et al. **Kokyu To Junkan** 1991 Jan;39(1):15–22 (80 ref.) **(Jpn)**

PARASITOLOGY

Disseminated strongyloidiasis in AIDS and non-AIDS immunocompromised hosts: diagnosis by sputum and bronchoalveolar lavage. Kramer MR, et al. **South Med J** 1990 Oct;83(10):1226–9 (24 ref.)

PATHOLOGY

Bronchoalveolar lavage in lung transplantation. Shennib H, et al. **Ann Thorac Surg** 1991 Feb;51(2):335–40 (64 ref.)

[Bronchoalveolar lavage] Capron F. **Ann Pathol** 1990; 10(4):232–46 (83 ref.) **(Fre)**

VETERINARY

Bronchoalveolar lavage in the evaluation of pulmonary disease in the dog and cat. State of the art [see comments] Hawkins EC, et al. **J Vet Intern Med** 1990 Sep–Oct; 4(5):267–74 (40 ref.) Comment in: J Vet Intern Med 1991 Jan–Feb;5(1):52–5.

BRONCHOCONSTRICTION

see related
BRONCHIAL PROVOCATION TESTS

Mediators of bronchial hyperresponsiveness. Chung KF. **Clin Exp Allergy** 1990 Sep;20(5):453–8 (66 ref.)

DRUG EFFECTS

Adenosine bronchoconstriction in asthma: investigations into its possible mechanism of action Ng WH, et al. **Br J Clin Pharmacol** 1990;30 Suppl 1:89S–98S (56 ref.)

PHYSIOLOGY

VIP as a modulator of lung inflammation and airway constriction. Said SI. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S22–4 (50 ref.)

Airway luminal liquid. Sources and role as an amplifier of bronchoconstriction. Yager D, et al. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S52–4 (33 ref.)

The prevalence of predictors of bronchial hyperreactivity in children and adolescents [see comments] Backer V. **J Asthma** 1990;27(4):197–205 (72 ref.) Comment in: J Asthma 1990;27(4):195–6.

[Leukotrienes as mediators of respiratory tract obstruction in bronchial asthma] Péč M, et al. **Cesk Fysiol** 1991; 40(2):147–57 (37 ref.) **(Slo)**

BRONCHOCONSTRICTOR AGENTS

THERAPEUTIC USE

The shape of the dose–response curve to inhaled bronchoconstrictor agents in asthma and in chronic obstructive pulmonary disease. Sterk PJ, et al. **Am Rev Respir Dis** 1991 Jun;143(6):1433–7 (68 ref.)

BRONCHODILATOR AGENTS

Beta 2-agonists: pharmacology and recent developments. Meltzer DL, et al. **J Asthma** 1991;28(3):179–86 (19 ref.)

ADMINISTRATION & DOSAGE

Aerosol physiology, deposition, and metered dose inhalers. Newman SP. **Allergy Proc** 1991 Jan–Feb;12(1):41–5 (14 ref.)

Inhaler and spacer use in obstructive airway diseases. Jones MD, et al. **Am Fam Physician** 1990 Oct;42(4):1007–13 (22 ref.)

Optimizing drug delivery from metered-dose inhalers. Whelan AM, et al. **DICP** 1991 Jun;25(6):638–45 (94 ref.)

Inhaled respiratory medications and the use of chlorofluorocarbons (CFCs). Thoracic Society of Australia and New Zealand. Pierce RJ, et al. **Med J Aust** 1991 May 20;154(10):701–4 (6 ref.)

[Concomitant therapy with diagnostic respiratory function in the aged] Pleger E, et al. **Z Arztl Fortbild (Jena)** 1990; 84(22):1153–6 (14 ref.) **(Ger)**

ADVERSE EFFECTS

Toxic effects of drugs used in the ICU. Toxic effects of bronchodilators. Truwit JD. **Crit Care Clin** 1991 Jul; 7(3):639–57 (164 ref.)

Paradoxical bronchospasm after use of inhalation aerosols: a review of the literature. Cocchetto DM, et al. **J Asthma** 1991;28(1):49–53 (43 ref.)

[Possible complications of drug-induced asthma therapy] Schreiber J, et al. **Z Arztl Fortbild (Jena)** 1991 Apr 10; 85(7):309–12 (9 ref.) **(Ger)**

THERAPEUTIC USE

Asthma: current strategies for treatment. Reiss TF, et al. **Cleve Clin J Med** 1991 Mar–Apr;58(2):161–9 (76 ref.)

Therapy of bronchial hyper-responsiveness. Magnussen H, et al. **Clin Exp Allergy** 1991 May;21(3):379–89 (150 ref.)

Chemoprophylaxis in asthma [see comments] MacDonald GF. **J Asthma** 1990;27(5):269–75 (41 ref.) Comment in: J Asthma 1990;27(5):265–7.

[Role of beta–2–mimetic agents in the treatment of asthma] Clauzel AM, et al. **Allerg Immunol (Paris)** 1990 Nov; 22(9):377–82 (21 ref.) (Eng. Abstr.) **(Fre)**

[The analysis of bronchial obstruction and its reversibility after bronchodilators using a study of "density-effect" on maximum flow] Teculescu D, et al. **Rev Mal Respir** 1991; 8(1):29–37 (110 ref.) (Eng. Abstr.) **(Fre)**

[Anti-asthmatic agents. From pharmacology to clinical aspects] Louis R, et al. **Rev Med Liege** 1991 Feb;46(2):58–81 (152 ref.) **(Fre)**

[Function analytic control of therapy of obstructive respiratory tract disease] Schött D, et al. **Verh Dtsch Ges Inn Med** 1990;96:742–5 (9 ref.) **(Ger)**

[Therapy of bronchial asthma during pregnancy] Ukena D, et al. **Z Geburtshilfe Perinatol** 1990 Sep–Oct;194(5):188–99 (46 ref.) (Eng. Abstr.) **(Ger)**

BRONCHOGENIC CYST

DIAGNOSIS

Retroperitoneal bronchogenic cyst presenting as an adrenal mass. Foerster HM, et al. **Arch Pathol Lab Med** 1991 Oct; 115(10):1057–9 (12 ref.)

Bronchopulmonary and neurenteric forms of foregut anomalies. Imaging for diagnosis and management. Haddon MJ, et al. **Radiol Clin North Am** 1991 Mar;29(2):241–54 (103 ref.)

PATHOLOGY

[Two cases of abdominal bronchogenic cyst] Takeshita K, et al. **Rinsho Hoshasen** 1990 Sep;35(9):1069–72 (13 ref.) (Eng. Abstr.) **(Jpn)**

BRONCHOGRAPHY

METHODS

Bronchography. Fennessy JJ. **Otolaryngol Clin North Am** 1973 Jun;6(2):579–600 (45 ref.)

BRONCHOPNEUMONIA

COMPLICATIONS

Disseminated strongyloidiasis in AIDS and non-AIDS immunocompromised hosts: diagnosis by sputum and bronchoalveolar lavage. Kramer MR, et al. **South Med J** 1990 Oct;83(10):1226–9 (24 ref.)

BRONCHOPULMONARY ASPERGILLOSIS see **ASPERGILLOSIS, ALLERGIC BRONCHOPULMONARY**

BRONCHOPULMONARY DYSPLASIA

Edward B.D. Neuhauser memorial lecture. Bronchopulmonary dysplasia and research in diagnostic radiology. Northway WH Jr. **AJR Am J Roentgenol** 1991 Apr;156(4):681–7 (35 ref.)

Bronchopulmonary dysplasia: then and now. Northway WH Jr. **Arch Dis Child** 1990 Oct;65(10 Spec No):1076–81 (66 ref.)

[Bronchopulmonary dysplasia--a general overview] Bratlid D, et al. **Tidsskr Nor Laegeforen** 1990 Aug 20; 110(19):2521–3 (25 ref.) (Eng. Abstr.) **(Nor)**

DIAGNOSIS

Bronchopulmonary dysplasia: early diagnosis, prophylaxis, and treatment. Greenough A. **Arch Dis Child** 1990 Oct; 65(10 Spec No):1082–8 (70 ref.)

DRUG THERAPY

Bronchopulmonary dysplasia. Pharmacologic treatments and prediction of outcome. Truog WE. **Int J Technol Assess Health Care** 1991;7 Suppl 1:61–5 (18 ref.)

THERAPY

Bronchopulmonary dysplasia: a new look at management. Southall DP, et al. **Arch Dis Child** 1990 Oct;65(10 Spec No):1089–95 (53 ref.)

BRONCHOPULMONARY SEQUESTRATION

COMPLICATIONS

[Intralobar pulmonary sequestration manifested by neonatal cardiac insufficiency] Koskas M, et al. **Rev Mal Respir** 1991;8(2):242–5 (13 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Bronchopulmonary and neurenteric forms of foregut anomalies. Imaging for diagnosis and management. Haddon MJ, et al. **Radiol Clin North Am** 1991 Mar;29(2):241–54 (103 ref.)

SURGERY

[Simultaneous intra- and extralobar lung sequestration and its intermediate stages] Sege D. **Helv Chir Acta** 1990 Oct; 57(2):261–8 (29 ref.) (Eng. Abstr.) **(Ger)**

[A case report of pulmonary sequestration (Pryce I) associated with infective endocarditis] Sugimoto T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Apr;39(4):458–62 (11 ref.) (Eng. Abstr.) **(Jpn)**

BRONCHOSCOPY

see related
CATHETERIZATION, PERIPHERAL

The diagnostic yield of bronchoscopy. Dierkesmann R. **Cardiovasc Intervent Radiol** 1991 Jan–Feb;14(1):24–8 (73 ref.)

Endobronchial treatment of lung carcinoma. Jacobson MJ, et al. **Chest** 1991 Sep;100(3):838–41 (37 ref.)

Diagnostic and therapeutic bronchoscopy. Tharratt RS, et al. **Clin Rev Allergy** 1990 Summer–Fall;8(2–3):291–303 (42 ref.)

METHODS

Safety of the transbronchial biopsy in outpatients. Hernández Blasco L, et al. **Chest** 1991 Mar;99(3):562–5 (31 ref.)

[Therapy of respiratory insufficiency. Endotracheal suctioning--fiberglass bronchoscopy--long-term intubation--tracheotomy] Sporn P, et al. **Klin Anasthesiol Intensivther** 1991;39:314–25; discussion 333–9 (39 ref.) **(Ger)**

[Endoscopic biopsy diagnosis of diffuse interstitial lung diseases] Ballin A. **Z Gesamte Inn Med** 1990 Oct 1; 45(19):569–72 (13 ref.) (Eng. Abstr.) **(Ger)**

VETERINARY

Tracheobronchoscopy. Roudebush P. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1297–314 (32 ref.)

BRONCHOSPASM see **BRONCHIAL SPASM**

BRONCHOSPASM, EXERCISE-INDUCED see **ASTHMA, EXERCISE-INDUCED**

BROOKS VIRUS see **CALIFORNIA GROUP VIRUSES**

BROWN FAT

ANATOMY & HISTOLOGY

Morphological studies on brown adipose tissue in the bat and in humans of various ages. Ito T, et al. **Arch Histol Cytol** 1991 Mar;54(1):1–39 (72 ref.)

BROWNING REACTION see **MAILLARD REACTION**

BROXURIDINE see **BROMODEOXYURIDINE**

BRUCELLA

IMMUNOLOGY

Serologic diagnosis of human brucellosis: analysis of 214 cases by agglutination tests and review of the literature. Young EJ. **Rev Infect Dis** 1991 May–Jun;13(3):359–72 (107 ref.)

BRUCELLOSIS

[Septic arthritis in children] Coll MD, et al. **Cir Pediatr** 1989 Jan;2(1):10–2 (11 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Brucellosis and nonsyphilitic treponemal uveitis. Tabbara KF. **Int Ophthalmol Clin** 1990 Fall;30(4):294–6 (10 ref.)

Multiple sclerosis--one manifestation of neurobrucellosis? Murrell TG, et al. **Med Hypotheses** 1990 Sep;33(1):43–8 (26 ref.)

[Atraumatic rupture of the spleen. A proposal of new attitudes. Apropos a case in brucellosis] Marín León I, et al. **An Med Interna** 1990 Sep;7(9):474–6 (29 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Serologic diagnosis of human brucellosis: analysis of 214 cases by agglutination tests and review of the literature. Young EJ. **Rev Infect Dis** 1991 May–Jun;13(3):359–72 (107 ref.)

Childhood brucellosis: a deceptive infectious disease. al-Eissa Y, et al. **Scand J Infect Dis** 1991;23(2):129–33 (18 ref.)

DRUG THERAPY

Modern chemotherapy for brucellosis in humans. Hall WH. **Rev Infect Dis** 1990 Nov–Dec;12(6):1060–99 (273 ref.)

EPIDEMIOLOGY

[Epidemiological and clinical features of brucellosis in 39 family groups] Gotuzzo E, et al. **Enferm Infecc Microbiol Clin** 1989 Dec;7(10):519–24 (50 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

[Brucella endocarditis on Starr aortic valve prosthesis] Kamoun S, et al. **Arch Mal Coeur Vaiss** 1991 Feb; 84(2):269–71 (10 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Brucella endocarditis: the role of combined medical and surgical treatment. Jacobs F, et al. **Rev Infect Dis** 1990 Sep–Oct;12(5):740–4 (44 ref.)

VETERINARY

Epididymitis in rams and lambs. Bulgin MS. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):683–90 (46 ref.)

BRUCITE see **MAGNESIUM HYDROXIDE**

BRUGIA

Sex differentials in susceptibility to lymphatic filariasis and implications for maternal child immunity. Brabin L. **Epidemiol Infect** 1990 Oct;105(2):335–53 (78 ref.)

[Advances in filariasis control and research in China during 1986–1990. National Technical Steering Group for

Filariasis Control and Research, MOPH]
Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1991;9(2):81–5 (16 ref.) (Eng. Abstr.) **(Chi)**

IMMUNOLOGY

The analysis of the 30 kDa antigen of Brugia pahangi and its interaction with the cuticle: a short review. Devaney E, et al. **Acta Trop (Basel)** 1990 Jul;47(5–6):365–72 (19 ref.)
Parasite antigenemia in lymphatic filariasis. Weil GJ. **Exp Parasitol** 1990 Oct;71(3):353–6 (16 ref.)

METABOLISM

Cuticular proteins of Brugia filarial parasites. Selkirk ME, et al. **Acta Trop (Basel)** 1990 Jul;47(5–6):373–80 (47 ref.)

BRUNHILDE VIRUS see **POLIOVIRUS**

BRUNNER'S GLANDS

[A heterotopic Brunner's adenoma in the stomach: a case report] Yasutake K, et al.
Nippon Shokakibyo Gakkai Zasshi 1990 Jul;87(7):1551–5 (20 ref.) **(Jpn)**

BRUSH BORDER see **MICROVILLI**

BRUXISM

Bruxism: a review of the literature. Part II. Faulkner KD. **Aust Dent J** 1990 Aug;35(4):355–61 (201 ref.)
Nocturnal bruxism and its clinical management. Attanasio R. **Dent Clin North Am** 1991 Jan;35(1):245–52 (56 ref.)

DIAGNOSIS

[Nocturnal bruxism. Contributions to the detection and assessment of involvement in the craniomandibular pain dysfunction syndrome] Ieremia L, et al.
Rev Med Interna Neurol Psihiatr Neurochir Dermatovenerol Neurol Psihiatr Neurochir 1989 Oct–Dec;34(4):307–16 (86 ref.) (Eng. Abstr.) **(Rum)**

PHYSIOPATHOLOGY

The range of functional mandibular movement in bruxists. 1. Introduction and review of the literature. Faulkner KD. **Aust Dent J** 1990 Dec;35(6):536–44 (83 ref.)
[The effects of parafunctional contacts on the natural dentition] Catapano S, et al. **Minerva Stomatol** 1990 Nov; 39(11):947–50 (29 ref.) (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

Oral habits. A behavioral approach. Peterson JE Jr, et al. **Pediatr Clin North Am** 1991 Oct;38(5):1289–307 (55 ref.)

BUCCA see **CHEEK**

BUCCAL DRUG ADMINISTRATION see **ADMINISTRATION, BUCCAL**

BUDD–CHIARI SYNDROME see **HEPATIC VEIN THROMBOSIS**

BUDDHISM

PSYCHOLOGY

The Tao, psychoanalysis and existential thought. Rhee D. **Psychother Psychosom** 1990;53(1–4):21–7 (25 ref.)

BUDGERIGAR FANCIER'S LUNG see **BIRD FANCIER'S LUNG**

BUDR see **BROMODEOXYURIDINE**

BUERGER'S DISEASE see **THROMBOANGIITIS OBLITERANS**

BUFFALOES

PARASITOLOGY

Theileria parva: influence of vector, parasite and host relationships on the epidemiology of theileriosis in southern Africa. Norval RA, et al. **Parasitology** 1991 Jun;102 Pt 3:347–56 (74 ref.)

BUFOTENIN

PHARMACOKINETICS

Observations on the metabolism of the psychotomimetic indolealkylamines: implications for future clinical studies. Sitaram BR, et al. **Biol Psychiatry** 1990 Nov 15; 28(10):841–8 (19 ref.)

BUILDING CODES

LEGISLATION & JURISPRUDENCE

Regulation of in-place asbestos-containing material. Cohen N. **Environ Res** 1991 Jun;55(1):97–106 (20 ref.)

BULBAR PALSY see **PARALYSIS, BULBAR**

BULIMIA

Bulimia nervosa. Mitchell JE. **Bol Asoc Med P R** 1991 Jan; 83(1):22–4 (29 ref.)

COMPLICATIONS

Coexistence of bulimia nervosa and mania: a literature review and case report. Shisslak CM, et al. **Compr Psychiatry** 1991 Mar–Apr;32(2):181–4 (40 ref.)
Eating disorders: a primer for the substance abuse specialist. 2. Theories of etiology, treatment approaches, and considerations during co-morbidity with substance abuse. Katz JL. **J Subst Abuse Treat** 1990;7(4):211–7 (25 ref.)
Eating disorders: a primer for the substance abuse specialist: 1. Clinical features. Katz JL. **J Subst Abuse Treat** 1990; 7(3):143–9 (15 ref.)

DIAGNOSIS

Biomedical variables in the eating disorders. Kaplan AS. **Can J Psychiatry** 1990 Dec;35(9):745–53 (107 ref.)
Multifactorial assessment of bulimia nervosa. Tobin DL, et al. **J Abnorm Psychol** 1991 Feb;100(1):14–21 (66 ref.)

DRUG THERAPY

Fluoxetine in bulimia. Nguyen T, et al. **DICP** 1991 Mar; 25(3):254–6 (14 ref.)
Current perspectives on drug therapies for anorexia nervosa and bulimia nervosa. Kennedy SH, et al. **Drugs** 1991 Mar; 41(3):367–77 (90 ref.)
Fluoxetine treatment of bulimia nervosa. Walsh BT. **J Psychosom Res** 1991;35 Suppl 1:33–40 (43 ref.)

EPIDEMIOLOGY

Review of bulimia nervosa in males. Carlat DJ, et al. **Am J Psychiatry** 1991 Jul;148(7):831–43 (107 ref.)

METABOLISM

[The role of serotonin in normal appetite regulation and in the pathogenesis of anorexia/bulimia] Spigset O.
Nord Med 1990;105(11):292–7 (15 ref.) (Eng. Abstr.) **(Nor)**

PHYSIOPATHOLOGY

Eating disorders and depression: is there a serotonin connection? Jimerson DC, et al. **Biol Psychiatry** 1990 Sep 1;28(5):443–54 (100 ref.)
The serotonin hypothesis of bulimia nervosa: theory and evidence. Goldbloom DS, et al. **Can J Psychiatry** 1990 Dec;35(9):741–4 (48 ref.)
Biochemical aspects of bulimia nervosa. Goldbloom DS, et al. **J Psychosom Res** 1991;35 Suppl 1:11–22 (92 ref.)
[Serotonin and eating disorders] Nutzinger DO, et al.
Nervenarzt 1991 Mar;62(3):198–201 (35 ref.) **(Ger)**

PSYCHOLOGY

Do you have patients with anorexia or bulimia? Understanding is the first step in helping. Buckner ET. **Postgrad Med** 1991 Mar;89(4):209–12, 215 (6 ref.)
Binge eating as escape from self-awareness. Heatherton TF, et al. **Psychol Bull** 1991 Jul;110(1):86–108 (240 ref.)
[Anorexia and bulimia nervosa: symptoms, medical complications, etiology and treatment] Fichter MM, et al.
Internist (Berl) 1991 Jan;32(1):38–49 (77 ref.) **(Ger)**
[Bulimia] Koszewska I, et al. **Psychiatr Pol** 1990 Mar–Apr; 24(2):165–71 (20 ref.) **(Pol)**

THERAPY

Group therapy for anorexic and bulimic patients. Some aspects on the conduction of group therapy and a critical review of some recent studies. Rosenvinge JH.
Acta Psychiatr Scand Suppl 1990;361:38–43 (59 ref.)
Anorexia nervosa and bulimia nervosa. Perspectives on etiology and cognitive behavior therapy. Støylen IJ, et al.
Acta Psychiatr Scand Suppl 1990;361:52–8 (44 ref.)
Conditioning processes and cue exposure in the modification of excessive eating. Wardle J. **Addict Behav** 1990; 15(4):387–93 (36 ref.)
Bulimia nervosa and a stepped care approach to management. Fairburn CG, et al. **Gut** 1990 Nov;31(11):1220–2 (51 ref.)
Mechanisms of action in cognitive-behavioral and pharmacological interventions for obesity and bulimia nervosa. Craighead LW, et al. **J Consult Clin Psychol** 1991 Feb;59(1):115–25 (77 ref.)
The heterogeneity of bulimia nervosa and its implications for treatment. Fairburn CG. **J Psychosom Res** 1991;35 Suppl 1:3–9 (44 ref.)
A review of the controlled trials of psychotherapy for bulimia nervosa. Mitchell JE. **J Psychosom Res** 1991;35 Suppl 1:23–31 (28 ref.)

BULLA see **BLISTER**

BULLOUS SKIN DISEASES see **SKIN DISEASES, VESICULOBULLOUS**

BUNDLE OF KENT see **HEART CONDUCTION SYSTEM**

BUNION see **HALLUX VALGUS**

BUNYAVIRIDAE

GENETICS

Ambisense RNA viruses: positive and negative polarities combined in RNA virus genomes. Bishop DH.
Microbiol Sci 1986 Jun;3(6):183–7 (22 ref.)

BUPHTHALMOS see **HYDROPHTHALMOS**

BUPIVACAINE

Bupivacaine spinal anaesthesia. Tuominen M.
Acta Anaesthesiol Scand 1991 Jan;35(1):1–10 (94 ref.)

ADMINISTRATION & DOSAGE

[Treatment of interpleural pain] Ahlburg P, et al.
Ugeskr Laeger 1990 Sep 10;152(37):2632–4 (21 ref.) (Eng. Abstr.) **(Dan)**

BUPRENORPHINE

PHARMACOLOGY

Preclinical evaluation of the effects of buprenorphine, naltrexone and desipramine on cocaine self-administration. Mello NK. **NIDA Res Monogr** 1991;105:189–95 (7 ref.)

THERAPEUTIC USE

Buprenorphine: beyond methadone? Rosen MI, et al.
Hosp Community Psychiatry 1991 Apr;42(4):347–9 (12 ref.)

BURKITT HERPESVIRUS see **EPSTEIN-BARR VIRUS**

BURKITT'S LEUKEMIA see **LEUKEMIA, B-CELL, ACUTE**

BURKITT'S LYMPHOMA

African Burkitt's lymphoma. History, biology, clinical features, and treatment. Magrath IT.
Am J Pediatr Hematol Oncol 1991 Summer;13(2):222–46 (135 ref.)
Burkitt's lymphoma of the tonsil. Kraus M, et al.
J Laryngol Otol 1990 Dec;104(12):991–4 (24 ref.)

COMPLICATIONS

Burkitt's lymphoma in a child with AIDS. Young SA, et al. **Pediatr Pathol** 1991 Jan–Feb;11(1):115–22 (12 ref.)
[Lymphoma and Schistosoma mansoni schistosomiasis. Report of 1 case] Chirimwami B, et al.
Arch Anat Cytol Pathol 1991;39(1–2):59–61 (23 ref.) (Eng. Abstr.) **(Fre)**
[Bilateral cavernous sinus syndrome: Burkitt's lymphoma] Delerue O, et al. **Rev Neurol (Paris)** 1991;147(4):311–4 (18 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Primary intracranial extradural Burkitt-type lymphoma. A unique presentation with unilateral loss of vision in a child. Tekkök IH, et al. **Childs Nerv Syst** 1991 Jun;7(3):172–4 (17 ref.)
[Primary Burkitt-type undifferentiated lymphoma in the ovary and pregnancy] Benavides Ledezma RR, et al.
Ginecol Obstet Mex 1988 Nov;56:293–7 (19 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Burkitt's lymphoma: a model for clinical oncology. Bouffet E, et al. **Eur J Cancer** 1991;27(4):504–9 (64 ref.)

EPIDEMIOLOGY

Epstein-Barr virus, Burkitt's lymphoma, and an African tumor promoter. Osato T, et al. **Adv Exp Med Biol** 1990; 278:147–50 (18 ref.)
Problems in diagnosing and treating childhood hematopoietic malignancies in Cameroon, West Africa. Fosi-Mbantenkhu J. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):378–80 (0 ref.)

ETIOLOGY

Lymphomas following cardiac transplantation. Case report and review of the literature. Sklarin NT, et al.
Am J Hematol 1991 Jun;37(2):105–11 (36 ref.)

GENETICS

Multiple phenotypic consequences of the Ig/Myc translocation in B-cell-derived tumors. Klein G.
Genes Chromosom Cancer 1989 Sep;1(1):3–8 (37 ref.)
Chromosomal abnormalities in adult non-endemic Burkitt's lymphoma and leukemia: 22 new reports and a review of 148 cases from the literature. Kornblau SM, et al.
Hematol Oncol 1991 Mar–Apr;9(2):63–78 (80 ref.)

MICROBIOLOGY

Viral oncogenesis: Epstein-Barr virus. Gaffey MJ, et al.
Am J Otolaryngol 1990 Nov–Dec;11(6):375–81 (61 ref.)

Human lymphotropic viruses associated with lymphoid malignancy: Epstein-Barr and HTLV-1. Ambinder RF. **Hematol Oncol Clin North Am** 1990 Aug;4(4):821–33 (49 ref.)

SURGERY

[Malignant non-Hodgkin's lymphomas in abdominal surgery: apropos 3 cases of Burkitt's lymphoma] Dimitrova V, et al. **Khirurgiia (Sofiia)** 1991;44(2):52–7 (14 ref.) (Eng. Abstr.) **(Bul)**

BURKITT'S LYMPHOMA VIRUS see **EPSTEIN-BARR VIRUS**

BURKITT'S TUMOR see **BURKITT'S LYMPHOMA**

BURNING MOUTH SYNDROME

ETIOLOGY

Burning mouth syndrome. Grushka M, et al. **Dent Clin North Am** 1991 Jan;35(1):171–84 (101 ref.)

BURNS

Inhalation injuries and burns in the inner city. Purdue GF, et al. **Surg Clin North Am** 1991 Apr;71(2):385–97 (45 ref.)

[Inter-hospital transportation of burned patients] Novák J, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1991; 34(1):43–8 (16 ref.) (Eng. Abstr.) **(Hun)**

COMPLICATIONS

Current issues in burn wound infections. Dodd D, et al. **Adv Pediatr Infect Dis** 1991;6:137–62 (102 ref.)

Infection and the burn patient [see comments] Pruitt BA Jr. **Br J Surg** 1990 Oct;77(10):1081–2 (8 ref.) Comment in: Br J Surg 1991 Feb;78(2):248.

Heterotopic bone formation in thermal burns. Evans EB. **Clin Orthop** 1991 Feb;(263):94–101 (31 ref.)

Lethal infections associated with severe burns. Brown M, et al. **Compr Ther** 1990 Aug;16(8):42–7 (13 ref.)

Infection of burn wounds: evaluation and management. Warren S, et al. **Curr Clin Top Infect Dis** 1991;11:206–17 (48 ref.)

Marjolin's ulcer: a review and reevaluation of a difficult problem. Fleming MD, et al. **J Burn Care Rehabil** 1990 Sep–Oct;11(5):460–9 (35 ref.)

Pressure therapy for the control of hypertrophic scar formation after burn injury. A history and review. Ward RS. **J Burn Care Rehabil** 1991 May–Jun;12(3):257–62 (57 ref.)

[Prospects of clinical uses of quinolones in burn wound infections] Wang DW. **Chung Hua Cheng Hsing Shao Shang Wai Ko Tsa Chih** 1990 Sep;6(3):223–5 (13 ref.) **(Chi)**

DIET THERAPY

[Nutrition of the burn patient] Chioléro R, et al. **Rev Med Suisse Romande** 1991 Jun;111(6):501–9 (40 ref.) **(Fre)**

DRUG THERAPY

Use of nondepolarizing neuromuscular blocking agents in mechanically ventilated patients. Buck ML, et al. **Clin Pharm** 1991 Jan;10(1):32–48 (203 ref.)

Current treatment recommendations for topical burn therapy. Monafo WW, et al. **Drugs** 1990 Sep;40(3):364–73 (46 ref.)

EPIDEMIOLOGY

The problems of burns in India. Davies JW. **Burns** 1990;Suppl 1:S1–24 (91 ref.)

ETIOLOGY

Thermal injury resulting from arthroscopic lateral retinacular release by electrocautery: report of three cases and a review of the literature. Lord MJ, et al. **Arthroscopy** 1991;7(1):33–7 (20 ref.)

IMMUNOLOGY

Mechanism of immunologic suppression in burn injury. Alexander JW. **J Trauma** 1990 Dec;30(12 Suppl):S70–5 (21 ref.)

Neutrophil disorders in burn injury: complement, cytokines, and organ injury. Solomkin JS. **J Trauma** 1990 Dec;30(12 Suppl):S80–5 (95 ref.)

[The immunopathophysiology of burn trauma] Köller M, et al. **Dtsch Med Wochenschr** 1991 Jan 11;116(2):67–73 (50 ref.) **(Ger)**

METABOLISM

Current thoughts on the assessment of protein metabolism in humans. Wolfe RR. **J Burn Care Rehabil** 1991 May–Jun; 12(3):211–3 (9 ref.)

Assessing nutritional needs for the burned patient. Curreri PW. **J Trauma** 1990 Dec;30(12 Suppl):S20–3 (20 ref.)

Antibiotics and the postburn hypermetabolic response. Waymack JP. **J Trauma** 1990 Dec;30(12 Suppl):S30–3 (24 ref.)

Factors contributing to increased energy expenditure in thermal injury: a review of studies employing indirect calorimetry. Cunningham JJ. **JPEN J Parenter Enteral Nutr** 1990 Nov–Dec;14(6):649–56 (68 ref.)

MICROBIOLOGY

[Distribution and antibiotic resistance of aerobic bacteria isolated from infected wounds caused by burns] Szabó J, et al. **Orv Hetil** 1991 Mar 31;132(13):687–90, 693 (22 ref.) (Eng. Abstr.) **(Hun)**

PATHOLOGY

Porokeratosis arising in a burn scar. Nova MP, et al. **J Am Acad Dermatol** 1991 Aug;25(2 Pt 2):354–6 (21 ref.)

PHYSIOPATHOLOGY

Pulmonary circulation and burns and trauma. Herndon DN, et al. **J Trauma** 1990 Dec;30(12 Suppl):S41–4 (24 ref.)

PREVENTION & CONTROL

Burn prevention: the need for a comprehensive approach. Linares AZ, et al. **Burns** 1990 Aug;16(4):281–5 (35 ref.)

SURGERY

Update on trauma care in Canada. 1. Recent advances in thermal injuries. Tredget EE. **Can J Surg** 1990 Dec; 33(6):439–42 (32 ref.)

Management of burns of the hands in children. Dado DV, et al. **Hand Clin** 1990 Nov;6(4):711–21 (22 ref.)

Progress in burn treatment and the use of artificial skin. Tompkins RG, et al. **World J Surg** 1990 Nov–Dec; 14(6):819–24 (29 ref.)

[Advances and retrospect of burn surgery in China] Shen ZY. **Chung Hua Wai Ko Tsa Chih** 1991 Jan;29(1):47–9 (0 ref.) **(Chi)**

THERAPY

Parenteral nutrition in the thermally injured patient. Becker WK, et al. **Compr Ther** 1991 Mar;17(3):47–53 (28 ref.)

Restoring nitrogen balance after burn injury. Kagan RJ. **Compr Ther** 1991 Mar;17(3):60–7 (26 ref.)

An improved web-space pressure technique to prevent burn syndactyly. Gorham K, et al. **J Burn Care Rehabil** 1991 Mar–Apr;12(2):157–9 (11 ref.)

Burn nursing Delphi study. Setting research priorities. Marvin JA, et al. **J Burn Care Rehabil** 1991 Mar–Apr; 12(2):190–7 (11 ref.)

Nutrient substrates. Making choices in the 1990s. Paxton J, et al. **J Burn Care Rehabil** 1991 Mar–Apr;12(2):198–202 (43 ref.)

Severe burns of the hand: a practical guide to their management. Sykes PJ. **J Hand Surg [Br]** 1991 Feb; 16(1):6–12 (108 ref.)

From desperation to skin regeneration: progress in burn treatment. Burke JF. **J Trauma** 1990 Dec;30(12 Suppl):S36–40 (28 ref.)

Current status of skin replacements for coverage of extensive burn wounds. Hansbrough JF. **J Trauma** 1990 Dec;30(12 Suppl):S155–60 (26 ref.)

The management of burns. Deitch EA. **N Engl J Med** 1990 Nov 1;323(18):1249–53 (61 ref.)

Managing common dental problems and emergencies. Josell SD, et al. **Pediatr Clin North Am** 1991 Oct;38(5):1325–42 (38 ref.)

Outpatient management of burns in children. Schonfeld N. **Pediatr Emerg Care** 1990 Sep;6(3):249–53 (36 ref.)

Burns in children and adolescents: initial management as the first step in successful rehabilitation. Carvajal HF. **Pediatrician** 1990;17(4):237–43 (23 ref.)

[The role of the anesthetist in the care of burn patients] Balogh D, et al. **Cah Anesthesiol** 1990 Oct;38(4):277–9 (10 ref.) **(Fre)**

[Burns as an internal disease] Kliachkin LM. **Klin Med (Mosk)** 1991 May;69(5):44–9 (27 ref.) **(Rus)**

BURNS, CHEMICAL

The chemical peel. Peters W. **Ann Plast Surg** 1991 Jun; 26(6):564–71 (32 ref.)

THERAPY

Chemical burns of the eye with special reference to alkali burns. Rozenbaum D, et al. **Burns** 1991 Apr;17(2):136–40 (12 ref.)

Severe burns of the hand: a practical guide to their management. Sykes PJ. **J Hand Surg [Br]** 1991 Feb; 16(1):6–12 (108 ref.)

[Corrosive damage to upper gastrointestinal tract by caustic substances] Eidelman S, et al. **Harefuah** 1990 Dec 2; 119(11):397–8 (16 ref.) **(Heb)**

BURNS, ELECTRIC

THERAPY

Severe burns of the hand: a practical guide to their management. Sykes PJ. **J Hand Surg [Br]** 1991 Feb; 16(1):6–12 (108 ref.)

BURNS, INHALATION

The 1990 Everett Idris Evans memorial lecture: the inhalation injury. Zellner PR. **J Burn Care Rehabil** 1990 Nov–Dec;11(6):487–95 (25 ref.)

Inhalation injuries and burns in the inner city. Purdue GF, et al. **Surg Clin North Am** 1991 Apr;71(2):385–97 (45 ref.)

BURSA-DEPENDENT LYMPHOCYTES see **B-LYMPHOCYTES**

BURSA OF FABRICIUS

INNERVATION

The neuro-B cell link of peptidergic innervation in the Bursa Fabricii. Zentel HJ, et al. **Brain Behav Immun** 1991 Mar; 5(1):132–47 (56 ref.)

BURSA, SYNOVIAL

[Synovial cysts of psoas bursa in men. 4 cases and literature review] Badère JM, et al. **Rev Rhum Mal Osteoartic** 1990 Jun;57(6):481–5 (51 ref.) (Eng. Abstr.) **(Fre)**

BURSINE see **CHOLINE**

BURSITIS

ETIOLOGY

The role of incomplete pulmonary inactivation of metabolites in the association of prepatellar bursitis with asthma. Backon J. **Br J Clin Pract** 1990 Dec;44(12):585–6 (26 ref.)

Septic bursitis of the foot: diagnosis, management and end-result. Lawson KS, et al. **J Foot Surg** 1990 Jul–Aug; 29(4):379–84 (13 ref.)

PATHOLOGY

Miscellaneous synovial lesions. Bertoni F, et al. **Curr Opin Rheumatol** 1990 Feb;2(1):120–37 (14 ref.)

Peripheral nerve entrapments, repetitive strain disorder, occupation-related syndromes, bursitis, and tendonitis. Nakano KK. **Curr Opin Rheumatol** 1991 Apr;3(2):226–39 (51 ref.)

Iliopsoas bursitis: clinical features, radiographic findings, and disease associations. Toohey AK, et al. **Semin Arthritis Rheum** 1990 Aug;20(1):41–7 (37 ref.)

PHYSIOPATHOLOGY

[Minor symptoms in family practice; theory and practice in olecranon bursitis] Vliet Vlieland TP, et al. **Ned Tijdschr Geneeskd** 1991 May 11;135(19):837–9 (18 ref.) **(Dut)**

BURST-FORMING UNITS, ERYTHROID see **ERYTHROID PROGENITOR CELLS**

BURST-PROMOTING FACTOR, ERYTHROCYTE see **INTERLEUKIN-3**

BUSERELIN see **BUSERELIN ACETATE**

BUSERELIN ACETATE

ANALOGS & DERIVATIVES

Endocrine therapy for desmoid tumors. Wilcken N, et al. **Cancer** 1991 Sep 15;68(6):1384–8 (30 ref.)

Goserelin. A review of its pharmacodynamic and pharmacokinetic properties, and clinical use in sex hormone-related conditions. Chrisp P, et al. **Drugs** 1991 Feb;41(2):254–88 (155 ref.)

[Treatment with the LH-RH agonist (Zoladex depot) in patients with puberty praecox] Bassi F, et al. **Drugs Exp Clin Res** 1990;16 Suppl:33–7 (7 ref.) **(Ita)**

[Zoladex in the treatment of mammary carcinoma] Sismondi P, et al. **Drugs Exp Clin Res** 1990;16 Suppl:47–58 (56 ref.) **(Ita)**

BUSINESS see **COMMERCE**

BUSINESS COALITIONS (HEALTH CARE) see **HEALTH CARE COALITIONS**

BUSPIRONE

THERAPEUTIC USE

Treatment of generalized anxiety disorder: preliminary clinical experience with buspirone. Petracca A, et al. **J Clin Psychiatry** 1990 Sep;51 Suppl:31–9 (62 ref.)

Buspirone in clinical practice. Rickels K. **J Clin Psychiatry** 1990 Sep;51 Suppl:51–4 (23 ref.)

Buspirone and related compounds as alternative anxiolytics. Taylor DP, et al. **Neuropeptides** 1991 Jul;19 Suppl:15–9 (15 ref.)

BUSULFAN

ADVERSE EFFECTS

[Busulfan lung exacerbated during steroid therapy: a review of Japanese literature] Kobayashi S, et al. **Rinsho Ketsueki** 1990 Nov;31(11):1884–8 (15 ref.) (Eng. Abstr.) **(Jpn)**

[Gastroenterological complications after bone marrow transplantation] Ratajczak MZ, et al. **Pol Tyg Lek** 1990 Aug 20–27;45(34–35):716–20 (33 ref.) **(Pol)**

PHARMACOLOGY

Interactions in recovery and in residual injury from sequential treatments of mouse haemopoietic and stromal marrow cell populations, using X-rays, cyclophosphamide and busulphan. Qi DY, et al. **Radiother Oncol** 1991 Jan; 20(1):46–52 (33 ref.)

BUSULPHAN see **BUSULFAN**

BUTADIENES

METABOLISM

Acylation and prenylation of proteins. Deschenes RJ, et al. **Curr Opin Cell Biol** 1990 Dec;2(6):1108–13 (21 ref.)

BUTANOIC ACIDS see **BUTYRIC ACIDS**

BUTANONES

ADVERSE EFFECTS

NSAID gastropathy. The central issue. Roth SH. **Drugs** 1990; 40 Suppl 5:25–8 (12 ref.)

BUTTOCKS

Extra-renal rhabdoid tumour of the glutei. Salam A, et al. **Br J Clin Pract** 1990 Dec;44(12):662–3 (11 ref.)

Leiomyosarcoma of the buttock. Landry MM, et al. **J Am Acad Dermatol** 1991 Apr;24(4):618–20 (16 ref.)

An infantile case of infiltrating lipoma in the buttock. Kubota M, et al. **J Pediatr Surg** 1991 Feb;26(2):230–2 (16 ref.)

[Pygomelus. Apropos of 2 cases and a review of the literature] Bastiani-Griffet F, et al. **Chir Pediatr** 1990; 31(6):333–6 (20 ref.) (Eng. Abstr.) **(Fre)**

BUTYL METHYL KETONES see **HEXANONES**

BUTYL PHTHALATE see **DIBUTYL PHTHALATE**

BUTYLAMINES

PHARMACOLOGY

Terodiline. A review of its pharmacological properties, and therapeutic use in the treatment of urinary incontinence. Langtry HD, et al. **Drugs** 1990 Nov;40(5):748–61 (56 ref.)

BUTYLATED HYDROXYTOLUENE

ADMINISTRATION & DOSAGE

[Pathogenetic mechanisms of stress-induced aggravation of experimental influenza and its prevention] Frolov BA, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):50–4 (25 ref.) (Eng. Abstr.) **(Rus)**

[The role of lipid peroxidation in post-stress aggravation of influenza and the corrective effect od ionol] Inozemtseva LI, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):54–7 (17 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Protective role of butylated hydroxytoluene and certain carotenoids in photocarcinogenesis. Black HS, et al. **Photochem Photobiol** 1991 May;53(5):707–16 (71 ref.)

BUTYLHYDROXYTOLUENE see **BUTYLATED HYDROXYTOLUENE**

BUTYRIBACTERIUM see **EUBACTERIUM**

BUTYRIC ACIDS

PHARMACOLOGY

Pharmacologic modulation of fetal globin gene expression in the perinatal period. Perrine SP. **Semin Perinatol** 1990 Oct;14(5):346–50 (29 ref.)

BUTYRYLCHOLINESTERASE

GENETICS

Coinjection of Xenopus oocytes with cDNA-produced and native mRNAs: a molecular biological approach to the tissue-specific processing of human cholinesterases. Seidman S, et al. **Int Rev Neurobiol** 1990;32:107–39 (138 ref.)

Expression and in vivo amplification of the human acetylcholinesterase and butyrylcholinesterase genes. Soreq H, et al. **Prog Brain Res** 1990;84:51–61 (54 ref.)

PHYSIOLOGY

Cholinesterases preceding major tracts in vertebrate neurogenesis. Layer PG. **Bioessays** 1990 Sep;12(9):415–20 (47 ref.)

BYPASS, CORONARY ARTERY see **CORONARY ARTERY BYPASS**

C1 INACTIVATORS see **COMPLEMENT 1 INACTIVATORS**

C-ABL GENES see **GENES, ABL**

C-FMS PROTEIN see **RECEPTOR, MACROPHAGE COLONY-STIMULATING FACTOR**

C-HA-RAS GENES see **GENES, RAS**

C-HA-RAS P21 see **PROTO-ONCOGENE PROTEIN P21(RAS)**

C-KI-RAS GENES see **GENES, RAS**

C-KI-RAS P21 see **PROTO-ONCOGENE PROTEIN P21(RAS)**

C-MYC GENES see **GENES, MYC**

C-MYC PROTEINS see **PROTO-ONCOGENE PROTEINS C-MYC**

C-N-RAS GENES see **GENES, RAS**

C-SRC GENES see **GENES, SRC**

C-SRC PROTEIN PP60 see **PROTO-ONCOGENE PROTEIN PP60(C-SRC)**

C FIBERS see **NERVE FIBERS**

C-ONC PROTEINS see **PROTO-ONCOGENE PROTEINS**

C-PEPTIDE

PHYSIOLOGY

Regulatory peptides in the thyroid gland—a review on their localization and function. Ahrén B. **Acta Endocrinol (Copenh)** 1991 Mar;124(3):225–32 (82 ref.)

C-REACTIVE PROTEIN

Molecular genetics, structure, and function of C-reactive protein. Kilpatrick JM, et al. **Immunol Res** 1991;10(1):43–53 (85 ref.)

ANALYSIS

[C-reactive protein in patients with infection] Ahlers AA, et al. **Ugeskr Laeger** 1990 Dec 31;153(1):13–6 (29 ref.) (Eng. Abstr.) **(Dan)**

[Measurement of C-reactive protein gives valuable information in patients with all types of inflammation] Husebekk A. **Tidsskr Nor Laegeforen** 1991 Apr 10; 111(9):1127–9 (28 ref.) (Eng. Abstr.) **(Nor)**

BIOSYNTHESIS

Regulation of the human C-reactive protein gene, a major marker of inflammation and cancer. Toniatti C, et al. **Mol Biol Med** 1990 Jun;7(3):199–212 (63 ref.)

METABOLISM

A membrane-bound form of the acute-phase protein C-reactive protein is the galactose-specific particle receptor on rat liver macrophages. Kolb-Bachofen V. **Pathobiology** 1991;59(4):272–5 (32 ref.)

CA-50 ANTIGEN see **ANTIGENS, TUMOR-ASSOCIATED, CARBOHYDRATE**

CA-125 ANTIGEN see **ANTIGENS, TUMOR-ASSOCIATED, CARBOHYDRATE**

CA-15-3 ANTIGEN see **ANTIGENS, TUMOR-ASSOCIATED, CARBOHYDRATE**

CA-19-9 ANTIGEN see **ANTIGENS, TUMOR-ASSOCIATED, CARBOHYDRATE**

CA ANTIGENS see **ANTIGENS, TUMOR-ASSOCIATED, CARBOHYDRATE**

CABBAGE see **BRASSICA**

CACHECTIN see **TUMOR NECROSIS FACTOR**

CACHEXIA

DRUG THERAPY

Current approach to the treatment of human immunodeficiency virus-associated weight loss: pathophysiologic considerations and emerging management strategies. Hellerstein MK, et al. **Semin Oncol** 1990 Dec; 17(6 Suppl 9):17–33 (80 ref.)

Alleviation of cancer anorexia and cachexia: studies of the Mayo Clinic and the North Central Cancer Treatment Group. Loprinzi CL, et al. **Semin Oncol** 1990 Dec;17(6 Suppl 9):8–12 (47 ref.)

ETIOLOGY

Cancer cachexia [editorial] Tisdale MJ. **Br J Cancer** 1991 Mar;63(3):337–42 (63 ref.)

Mechanisms of cancer cachexia. Langstein HN, et al. **Hematol Oncol Clin North Am** 1991 Feb;5(1):103–23 (107 ref.)

Cancer cachexia. Tisdale MJ, et al. **Int J Pancreatol** 1990 Aug-Nov;7(1–3):141–50 (24 ref.)

METABOLISM

Newly identified factors that alter host metabolism in cancer cachexia. Tisdale MJ. **Trends Pharmacol Sci** 1990 Dec; 11(12):473–5 (23 ref.)

THERAPY

Nutritional support of the surgical oncology patient. Chen MK, et al. **Hematol Oncol Clin North Am** 1991 Feb; 5(1):125–45 (136 ref.)

Nutritional support of the medical oncology patient. Chlebowski RT. **Hematol Oncol Clin North Am** 1991 Feb; 5(1):147–60 (78 ref.)

Nutritional support and cancer cachexia. Evolving concepts of mechanisms and adjunctive therapies. Ng EH, et al. **Hematol Oncol Clin North Am** 1991 Feb;5(1):161–84 (148 ref.)

[Enteral feeding in oncology] Richter G, et al. **Infusionstherapie** 1990 Dec;17(6):291–9 (70 ref.) (Eng. Abstr.) **(Ger)**

CADHERINS

METABOLISM

The expression of cell adhesion molecules, cadherins: markers of kidney morphogenesis. Okada TS. **Pediatr Nephrol** 1988 Jan;2(1):115–7 (17 ref.)

PHYSIOLOGY

Cadherin cell adhesion receptors as a morphogenetic regulator. Takeichi M. **Science** 1991 Mar 22; 251(5000):1451–5 (44 ref.)

CADMIUM

ADVERSE EFFECTS

Cadmium contamination of the countryside, a case study on health effects. Kreis IA. **Toxicol Ind Health** 1990 Oct; 6(5):181–8 (13 ref.)

ANALYSIS

Measurements of trace elements in vivo. Chettle DR, et al. **Basic Life Sci** 1990;55:247–57 (41 ref.)

[A method of atomic absorption spectrophotometry (AAS) for analysis of cadmium and lead levels in the plant material] Jędrzejczak R, et al. **Rocz Panstw Zakl Hig** 1990; 41(5–6):223–9 (8 ref.) (Eng. Abstr.) **(Pol)**

METABOLISM

On the mechanism of cellular cadmium uptake. Foulkes EC. **Biol Trace Elem Res** 1989 Jul-Sep;21:195–200 (9 ref.)

PHARMACOKINETICS

Heavy metal concentrations in humans [published erratum appears in Comp Biochem Physiol [C] 1990;97(2):393] Schweinsberg F, et al. **Comp Biochem Physiol [C]** 1990; 95(2):117–23 (16 ref.)

Transplacental transfer of cadmium and fetal effects. Goyer RA. **Fundam Appl Toxicol** 1991 Jan;16(1):22–3 (6 ref.)

Use of roots transformed by Agrobacterium rhizogenes in rhizosphere research: applications in studies of cadmium assimilation from sewage sludges. Tepfer D, et al. **Plant Mol Biol** 1989 Sep;13(3):295–302 (59 ref.)

TOXICITY

The carcinogenic potential of cadmium, arsenic, and selenium and the associated public health and regulatory implications. Fan AM. **J Toxicol Sci** 1990 Dec;15 Suppl 4:162–75 (44 ref.)

URINE

Correlation of cadmium, copper, manganese, and zinc levels in the urine of people in nonpolluted areas. Watanabe T, et al. **J Toxicol Environ Health** 1991 Jul;33(3):263–72 (24 ref.)

CADMIUM POISONING

PHYSIOPATHOLOGY

Transplacental transfer of cadmium and fetal effects. Goyer RA. **Fundam Appl Toxicol** 1991 Jan;16(1):22–3 (6 ref.)

CAENORHABDITIS

GENETICS

Molecular biology of the cuticle collagen gene families of Caenorhabditis elegans and Haemonchus contortus. Cox GN. **Acta Trop (Basel)** 1990 Jul;47(5–6):269–81 (32 ref.)

X-linked gene expression and sex determination in Caenorhabditis elegans. Meneely PM. **Bioessays** 1990 Nov; 12(11):513–8 (29 ref.)

Genetic aspects of microtubule biology in the nematode Caenorhabditis elegans. Savage C, et al. **Cell Motil Cytoskeleton** 1991;18(3):159–63 (36 ref.)

The HSP70 multigene family of Caenorhabditis elegans. Heschl MF, et al. **Comp Biochem Physiol [B]** 1990; 96(4):633–7 (40 ref.)

"Joy of the worm". Horvitz HR, et al. **Genetics** 1990 Oct; 126(2):287–92 (37 ref.)

Genetic analysis of myosin assembly in Caenorhabditis elegans. Epstein HF. **Mol Neurobiol** 1990 Spring–Summer; 4(1–2):1–25 (114 ref.)

Genetic and molecular analysis of EGF-related genes in Caenorhabditis elegans. Greenwald I. **Mol Reprod Dev** 1990 Sep;27(1):73–9 (29 ref.)

GROWTH & DEVELOPMENT

Cell fates in C. elegans: in medias ras. Greenwald I, et al. **Cell** 1990 Dec 21;63(6):1113–6 (26 ref.)

Cell–cell interactions in the nematode Caenorhabditis elegans. Greenwald I. **Curr Opin Cell Biol** 1990 Dec; 2(6):986–90 (12 ref.)

Metamorphic-like changes in the nervous system of the nematode Caenorhabditis elegans. Walthall WW. **J Neurobiol** 1990 Oct;21(7):1085–91 (33 ref.)

CAERULEIN RECEPTORS see **RECEPTORS, CHOLECYSTOKININ**

CAFFEA see **COFFEE**

CAFFEINE

Caffeine as a model drug of abuse. Holtzman SG. **Trends Pharmacol Sci** 1990 Sep;11(9):355–6 (19 ref.)

ADVERSE EFFECTS

Caffeine and cardiac arrhythmias. Myers MG. **Ann Intern Med** 1991 Jan 15;114(2):147–50 (23 ref.)

Consumption of methylxanthine-containing beverages and the risk of breast cancer. Lubin F, et al. **Cancer Lett** 1990 Sep;53(2–3):81–90 (54 ref.)

Caffeine. **IARC Monogr Eval Carcinog Risks Hum** 1991; 51:291–390 (573 ref.)

Caffeine and its effects on pregnancy and the neonate. McKim EM. **J Nurse Midwifery** 1991 Jul–Aug;36(4):226–31 (48 ref.)

PHARMACOLOGY

The effects of caffeine on blood pressure in the work environment. Jeong DU, et al. **Am J Hypertens** 1990 Oct; 3(10):749–53 (19 ref.)

Biochemical mechanism of caffeine tolerance. Ammon HP. **Arch Pharm (Weinheim)** 1991 May;324(5):261–7 (17 ref.)

Coffee, caffeine and hemostasis: a review. Bak AA, et al. **Neth J Med** 1990 Dec;37(5–6):242–6 (39 ref.)

[Coffee and the heart] Rezler J. **Kardiol Pol** 1990; 33(9–10):36–43 (32 ref.) **(Pol)**

[Hygienic evaluation of the effect of coffee on the body (review of the literature)] Dmitriev MT, et al. **Gig Sanit** 1990 Nov;(11):44–6 (21 ref.) **(Rus)**

TOXICITY

Caffeine and the development of normal, benign and carcinomatous human breast tissues: a relationship? Wolfrom D, et al. **J Med** 1990;21(5):225–50 (90 ref.)

CAFFEINE RECEPTORS see **RECEPTORS, PURINERGIC**

CAFFEY-DE TONI-SILVERMANN SYNDROME see **HYPEROSTOSIS, CORTICAL, CONGENITAL**

CAISSON DISEASE see **DECOMPRESSION SICKNESS**

CALCANEUS

Differential diagnosis and treatment of heel pain. Dailey JM. **Clin Podiatr Med Surg** 1991 Jan;8(1):153–66 (25 ref.)

Surgical management of recalcitrant heel pain. Jacoby RP, et al. **Clin Podiatr Med Surg** 1991 Jan;8(1):187–95 (51 ref.)

[Cysts of the calcaneus, diagnosis and treatment] Södergard J, et al. **Rev Chir Orthop** 1990;76(7):502–6 (17 ref.) (Eng. Abstr.) **(Fre)**

[Radiologic study of osteopenic syndromes. Between tradition and innovation] Cammisa M, et al. **Radiol Med (Torino)** 1990 Jul–Aug;80(1–2):1–8 (10 ref.) **(Ita)**

ABNORMALITIES

Understanding the pathologic Haglund's deformity. Reinherz RP, et al. **J Foot Surg** 1990 Sep–Oct;29(5):432–5 (16 ref.)

ANATOMY & HISTOLOGY

The lateral ligamentous support of the subtalar joint. Harper MC. **Foot Ankle** 1991 Jun;11(6):354–8 (12 ref.)

INJURIES

Fractures of the calcaneal apophysis. Walling AK, et al. **J Orthop Trauma** 1990;4(3):349–55 (12 ref.)

Intraarticular fractures of the calcaneus: diagnosis and surgical management. Johnson EE. **Orthopedics** 1990 Oct; 13(10):1091–100 (26 ref.)

[Stress fractures] Puorger G. **Schweiz Rundsch Med Prax** 1991 Aug 2;80(31–32):796–800 (19 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Calcaneonavicular bar resection. Alter SA. **Clin Podiatr Med Surg** 1991 Jul;8(3):469–83 (15 ref.)

Calcaneal decompression for heel pain. Baerg RH. **Clin Podiatr Med Surg** 1991 Jan;8(1):197–202 (9 ref.)

Complications of calcaneal osteotomies. Frankel J, et al. **Clin Podiatr Med Surg** 1991 Apr;8(2):409–23 (11 ref.)

Calcaneal osteotomy for retrocalcaneal exostosis. Green AH, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):659–65 (18 ref.)

Posterior calcaneal osteotomy. Effect, technique, and indications. Jacobs AM, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):647–57 (35 ref.)

CALCIFICATION, PATHOLOGIC see **CALCINOSIS**

CALCIFICATION, PHYSIOLOGIC

Role of proteoglycan in the provisional calcification of cartilage. A review and reinterpretation. Hunter GK. **Clin Orthop** 1991 Jan;(262):256–80 (124 ref.)

DRUG EFFECTS

Physiological and pharmacological regulation of biological calcification. Williams DC, et al. **Int Rev Cytol** 1991; 126:195–292 (1176 ref.)

PHYSIOLOGY

Physiological and pharmacological regulation of biological calcification. Williams DC, et al. **Int Rev Cytol** 1991; 126:195–292 (1176 ref.)

CALCINOSIS

see related
CHONDROCALCINOSIS

The central (intraosseous) calcifying odontogenic cyst: an analysis of 215 cases. Buchner A. **J Oral Maxillofac Surg** 1991 Apr;49(4):330–9 (78 ref.)

Myocardial calcifications in neonates and infants: a unique tissue reaction. Topaz O. **South Med J** 1991 Jul;84(7):891–5 (55 ref.)

[Lithokelyphopedion: presentation of a case of 9 years of clinical course] Bustamente Sarabia J, et al. **Ginecol Obstet Mex** 1989 Oct;57:287–90 (12 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Duodenal stricture: a complication of chronic fibrocalcific pancreatitis. Taylor SM, et al. **South Med J** 1991 Mar; 84(3):338–41 (18 ref.)

[Non-ruptured calcified aneurysm of the Valsalva's sinus with angina pectoris and aortic insufficiency. Surgical treatment] Varin J, et al. **Ann Cardiol Angeiol (Paris)** 1990 Sep;39(7):411–5 (13 ref.) (Eng. Abstr.) **(Fre)**

[Portal venous system calcifications. Study of 2 cases and review of the literature] Delamarre J, et al. **Gastroenterol Clin Biol** 1991;15(3):254–60 (44 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Metastatic calcification in a patient with malignant parathyroid carcinoma. Correlation of clinical, surgical, radiographic, and scintigraphic findings. Davidson RM, et al. **Clin Nucl Med** 1990 Oct;15(10):692–6 (22 ref.)

Mitral annular calcification: significant and worth acting upon. Aronow WS. **Geriatrics** 1991 Apr;46(4):73–5, 79–80, 85–6 (33 ref.)

Pure primary osteosarcoma of the ovary presenting as an extensively calcified adnexal mass: a case report and review of the literature. Hines JF, et al. **Gynecol Oncol** 1990 Dec; 39(3):259–63 (19 ref.)

[Endocranial calcifications. Diagnostic procedure] Battistella PA, et al. **Minerva Pediatr** 1991 Mar;43(3):219–21 (11 ref.) **(Ita)**

ETHNOLOGY

Adrenal calcification and congenital nephrotic syndrome in three American Indians. Powers RJ, et al. **Pediatr Nephrol** 1990 Jan;4(1):29–31 (13 ref.)

ETIOLOGY

[Leukoencephalopathy, calcifications of central grey nuclei, ophthalmologic manifestations following acute monoblastic leukemia treated with radiotherapy and methotrexate] Berkman N, et al. **Bull Soc Ophtalmol Fr** 1990 May; 90(5):483–8 (24 ref.) **(Fre)**

PATHOLOGY

Injuries of the lower extremity, painful lesions, compartment syndrome, and soft tissue calcification. Sheon RP. **Curr Opin Rheumatol** 1991 Apr;3(2):203–6 (25 ref.)

Idiopathic vulvar calcinosis. Balfour PJ, et al. **Histopathology** 1991 Feb;18(2):183–4 (6 ref.)

[The histopathological aspects of the calcifying odontogenic cyst] Piattelli A, et al. **Minerva Stomatol** 1990 Nov; 39(11):959–64 (27 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Fluorosis, osteopetrosis, and ectopic calcification. de Vernejoul MC. **Curr Opin Rheumatol** 1990 Feb;2(1):44–6 (7 ref.)

RADIOGRAPHY

The characteristics of microcalcifications. Guyer PB, et al. **Br J Clin Pract Symp Suppl** 1989 Nov;68:121–4; discussion 133–6 (12 ref.)

Porcelain gallbladder in a child: a case report and review. Casteel HB, et al. **J Pediatr Surg** 1990 Dec;25(12):1302–3 (9 ref.)

Laryngotracheobronchial cartilage calcification in children. A case report and review of the literature. Santos JM. **Pediatr Radiol** 1991;21(5):377–8 (9 ref.)

[Diagnostic value of calcifications in mammography] Tetti C, et al. **Rev Fr Gynecol Obstet** 1990 Jul–Sep;85(7–9):461–6 (12 ref.) (Eng. Abstr.) **(Fre)**

[The place of HR-CT in the diagnosis of calcifying and ossifying disease processes of the eye and the orbit] Gülden JW, et al. **Rontgenpraxis** 1991 Jul;44(7):200–8 (41 ref.) **(Ger)**

[Gastric cancer presenting fine stippled calcification in radiography: a case report and a review of the Japanese literature] Takasaki M, et al. **Gan No Rinsho** 1990 Oct; 36(12):2186–92 (50 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

[Balloon catheter valvuloplasty for calcified aortic stenosis in adults. Report of a case and review of the literature] López Cuellar M, et al. **Arch Inst Cardiol Mex** 1991 Mar–Apr;61(2):123–7 (10 ref.) (Eng. Abstr.) **(Spa)**

CALCITONIN

ADMINISTRATION & DOSAGE

[Therapy of osteoporosis with fluorides and calcitonins] Ringe JD. **Internist (Berl)** 1991 Feb;32(2):80–9 (85 ref.) **(Ger)**

ANALOGS & DERIVATIVES

[Comparative analysis of therapeutic effects of carbocalcitonin and and conjugated estrogens in post-menopausal osteoporosis] Surico N, et al. **Minerva Ginecol** 1990 Dec;42(12):529–37 (35 ref.) (Eng. Abstr.) **(Ita)**

ANALYSIS

Thyroid tumors. Seesko HG, et al. **Immunol Ser** 1990; 53:431–52 (133 ref.)

PHARMACOLOGY

Calcium-regulating hormones in hypertension: vascular actions. Bukoski RD, et al. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):220S–226S (89 ref.)

PHYSIOLOGY

Calcitonin, osteoclasts, and bone turnover. Wallach S, et al. **Calcif Tissue Int** 1990 Dec;47(6):388–91 (0 ref.)

[Hormones in bone metabolism. I. Calcitropic hormones] Zák J, et al. **Cas Lek Cesk** 1990 Dec 14;129(50):1574–7 (23 ref.) (Eng. Abstr.) **(Cze)**

THERAPEUTIC USE

Calcitonin and the treatment of osteoporosis. Schneyer CR. **Md Med J** 1991 Jun;40(6):469–73 (32 ref.)

[Calcitonin in the prevention and therapy of osteoporosis] Ringe JD. **Ther Umsch** 1991 Feb;48(2):91–9 (39 ref.) (Eng. Abstr.) **(Ger)**

CALCITONIN GENE-RELATED PEPTIDE

The calcitonin gene peptides: biology and clinical relevance.

Zaidi M, et al. **Crit Rev Clin Lab Sci** 1990;28(2):109–74 (395 ref.)

BLOOD

Normal serum levels of calcitonin gene-related peptide (CGRP) in mild to moderate essential hypertension. Schifter S, et al. **Am J Hypertens** 1991 Jul;4(7 Pt 1):565–9 (26 ref.)

PHYSIOLOGY

The role of neuropeptides in cardiovascular regulation. Ganten D, et al. **Cardiovasc Drugs Ther** 1991 Feb; 5(1):119–30 (108 ref.)

Calcitonin gene-related peptide (CGRP) and amylin and the endocrine pancreas. Ahrén B, et al. **Int J Pancreatol** 1990 Jan;6(1):1–15 (71 ref.)

Extracerebral manifestations in migraine. A peptidergic involvement? Edvinsson L, et al. **J Intern Med** 1990 Oct; 228(4):299–304 (42 ref.)

CALCITRIOL

ADMINISTRATION & DOSAGE

Use of oral and parenteral calcitriol in the treatment of renal osteodystrophy. Coburn JW. **Kidney Int Suppl** 1990 Sep; 29:S54–61 (54 ref.)

ADVERSE EFFECTS

1,25-Dihydroxyvitamin D-related hypercalcemia in lymphoma: two case reports. Devogelaer JP, et al. **Clin Rheumatol** 1990 Sep;9(3):404–10 (39 ref.)

ANALOGS & DERIVATIVES

New active analogues of vitamin D with low calcemic activity. Brown AJ, et al. **Kidney Int Suppl** 1990 Sep; 29:S22–7 (31 ref.)

BLOOD

The use and interpretation of assays for vitamin D and its metabolites. Holick MF. **J Nutr** 1990 Nov;120 Suppl 11:1464–9 (40 ref.)

IMMUNOLOGY

Immunomodulating properties of 1,25-dihydroxyvitamin D3. Manolagas SC, et al. **Kidney Int Suppl** 1990 Sep;29:S9–16 (65 ref.)

METABOLISM

Aging reduces intestinal and skeletal receptors for 1,25-dihydroxyvitamin D. **Nutr Rev** 1991 Jun;49(6):189–91 (5 ref.)

[Active metabolites of vitamin D as regulators of the cell proliferation and differentiation process. III. Leukemic cells (review)] Pletsityi KD. **Vopr Med Khim** 1990 Nov–Dec; 36(6):51–6 (71 ref.) **(Rus)**

PHARMACOLOGY

Calcium-regulating hormones in hypertension: vascular actions. Bukoski RD, et al. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):220S–226S (89 ref.)

Genetic defects of the 1,25-dihydroxyvitamin D3 receptor. Hughes MR, et al. **J Recept Res** 1991;11(1–4):699–716 (37 ref.)

Vitamin D: a modulator of cell proliferation and differentiation. Pols HA, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):873–6 (31 ref.)

Vitamin D-independent regulation of calcium and phosphate absorption. Lee DB, et al. **Miner Electrolyte Metab** 1990; 16(2–3):167–73 (59 ref.)

Transcaltachia, vesicular calcium transport, and microtubule-associated calbindin-D28K: emerging views of 1,25-dihydroxyvitamin D3-mediated intestinal calcium absorption. Nemere I, et al. **Miner Electrolyte Metab** 1990; 16(2–3):109–14 (31 ref.)

[Vitamin D and the immune system] Poršová I, et al. **Vnitr Lek** 1990 Jul;36(7):699–703 (35 ref.) (Eng. Abstr.) **(Cze)**

PHYSIOLOGY

The steroid hormone of sunlight soltriol (vitamin D) as a seasonal regulator of biological activities and photoperiodic rhythms. Stumpf WE, et al. **J Steroid Biochem Mol Biol** 1991 Aug;39(2):283–9 (63 ref.)

The vitamin D system: 1990. DeLuca HF, et al. **Kidney Int Suppl** 1990 Sep;29:S2–8 (43 ref.)

The parathyroid–calcitriol axis in health and chronic renal failure. Slatopolsky E, et al. **Kidney Int Suppl** 1990 Sep; 29:S41–7 (49 ref.)

Vitamin D and bone. Stern PH. **Kidney Int Suppl** 1990 Sep; 29:S17–21 (56 ref.)

Hereditary 1,25-dihydroxyvitamin D resistant rickets: molecular basis and implications for the role of 1,25(OH) 2D3 in normal physiology. Feldman D, et al. **Mol Cell Endocrinol** 1990 Sep 10;72(3):C57–62 (53 ref.)

[Hormones in bone metabolism. I. Calcitropic hormones] Zák J, et al. **Cas Lek Cesk** 1990 Dec 14;129(50):1574–7 (23 ref.) (Eng. Abstr.) **(Cze)**

THERAPEUTIC USE

Parathyroidectomy in chronic renal failure: indications, surgical approach and the use of calcitriol. Llach F. **Kidney Int Suppl** 1990 Sep;29:S62–8 (39 ref.)

Effects of 1,25(OH)2D3 administration on bone in patients with renal failure. Malluche HH, et al. **Kidney Int Suppl** 1990 Sep;29:S48–53 (40 ref.)

CALCIUM

see related
HYPERCALCEMIA
HYPOCALCEMIA

[Milk of calcium syndrome: a diagnosis to be made before the scheduling of lithotripsy. Consideration apropos of 6 cases] Ouegnin GA, et al. **Ann Urol (Paris)** 1990;24(7):552–7 (21 ref.) (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Calcium supplementation and bone loss in postmenopausal women. **Nutr Rev** 1991 Jun;49(6):184–7 (6 ref.)

ADVERSE EFFECTS

Atherogenesis, calcium and calcium antagonists. Henry PD. **Am J Cardiol** 1990 Dec 18;66(21):31–6I (43 ref.)

ANALYSIS

Assessing calcium status and metabolism. Weaver CM. **J Nutr** 1990 Nov;120 Suppl 11:1470–3 (24 ref.)

Flow cytometric measurement of intracellular ionized calcium in single cells with indo-1 and fluo-3. June CH, et al. **Methods Cell Biol** 1990;33:37–58 (55 ref.)

ANTAGONISTS & INHIBITORS

Action of pinaverium bromide, a calcium-antagonist, on gastrointestinal motility disorders. Christen MO. **Gen Pharmacol** 1990;21(6):821–5 (53 ref.)

New pharmacological strategies in vascular diseases: a novel intracellular calcium antagonist, HA1077 (AT-877) and cerebral vasospasm. Asano T, et al. **Methods Find Exp Clin Pharmacol** 1990 Jul–Aug; 12(6):443–8 (11 ref.)

BLOOD

Ion metabolism in malaria-infected erythrocytes [see comments] Tanabe K. **Blood Cells** 1990;16(2–3):437–49 (61 ref.) Comment in: Blood Cells 1990;16(2–3):450–1.

Calcium homeostasis of human erythrocytes and its pathophysiological implications. Engelmann B. **Klin Wochenschr** 1991 Feb 26;69(4):137–42 (54 ref.)

[Ankylosing spondylitis and phosphocalcic parameters] Wendling D, et al. **Rev Rhum Mal Osteoartic** 1991 Apr; 58(4):279–81 (16 ref.) (Eng. Abstr.) **(Fre)**

[Sodium, potassium, calcium in chronic renal insufficiency] Locatelli F, et al. **G Ital Cardiol** 1990 May;20(5):449–62 (85 ref.) **(Ita)**

[Calcium and arterial hypertension] Drzhevetskiĭ IuM. **Sov Med** 1991;(3):34–6 (38 ref.) **(Rus)**

DEFICIENCY

[Calcipenic osteopathy in transfusion hemosiderosis and idiopathic hemochromatosis] Czink E, et al. **Orv Hetil** 1991 Jun 2;132(22):1187–92 (42 ref.) (Eng. Abstr.) **(Hun)**

[Early calcipenic osteopathy in the panoramic x-ray image of the maxillary and mandibular alveolar process of young adult alcoholics] Szántó D, et al. **Orv Hetil** 1990 Oct 21; 131(42):2313–6 (30 ref.) (Eng. Abstr.) **(Hun)**

METABOLISM

Mechanisms underlying excitatory amino acid–evoked calcium entry in cultured neurons from the embryonic rat spinal cord. MacDermott AB, et al. **Adv Exp Med Biol** 1990;268:117–24 (46 ref.)

Role of calcium in toxic and programmed cell death. Orrenius S, et al. **Adv Exp Med Biol** 1991;283:419–25 (22 ref.)

Structure and modulation of voltage-sensitive sodium and calcium channels. Catterall WA, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:30–5 (29 ref.)

Properties of calcium release channels of the intracellular calcium store in muscle cells. Endo M, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:122–7 (21 ref.)

Aging and calcium metabolism. Fujita T. **Adv Second Messenger Phosphoprotein Res** 1990;24:542–7 (11 ref.)

Role of Ca2+/calmodulin-dependent protein phosphorylation in signal transduction. Nairn AC. **Adv Second Messenger Phosphoprotein Res** 1990;24:202–5 (31 ref.)

The regulation of Ca2+ accumulation and phospholipid metabolism in human platelets. Rittenhouse SE, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:370–4 (16 ref.)

The hepatocyte calcium oscillator. Sanchez-Bueno A, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:115–21 (15 ref.)

Dermal, intestinal, and renal obligatory losses of calcium: relation to skeletal calcium loss. Charles P, et al. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):266S–273S (49 ref.)

Calcium absorption efficiency and calcium requirements in children and adolescents. Peacock M. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):261S–265S (40 ref.)

The intracellular calcium-force relationship in vascular smooth muscle. Time- and stimulus-dependent dissociation. Karaki H. **Am J Hypertens** 1990 Aug;3(8 Pt 2):253S–256S (35 ref.)

Sodium-calcium interactions and salt-sensitive hypertension. Kurtz TW, et al. **Am J Hypertens** 1990 Aug;3(8 Pt 2):152S–155S (28 ref.)

Calciotropic hormones in human and experimental hypertension. Resnick LM. **Am J Hypertens** 1990 Aug;3(8 Pt 2):171S–178S (78 ref.)

Calcium metabolism and dietary calcium in salt sensitive hypertension. Sowers JR, et al. **Am J Hypertens** 1991 Jun; 4(6):557–63 (62 ref.)

Estrogen, calcium metabolism and the skeleton. Lindsay R, et al. **Ann N Y Acad Sci** 1991;622:307–14 (36 ref.)

Elevation of [Ca2+]i and the activation of ion channels and fluxes by extracellular ATP and phospholipase C-linked agonists in rat parotid acinar cells. Soltoff SP, et al. **Ann N Y Acad Sci** 1990;603:76–90; discussion 91–2 (38 ref.)

Calcium channels, stores, and oscillations. Tsien RW, et al. **Annu Rev Cell Biol** 1990;6:715–60 (264 ref.)

Mechanisms of altered hormone-neurotransmitter action during aging: from receptors to calcium mobilization. Roth GS. **Annu Rev Gerontol Geriatr** 1990;10:132–46 (81 ref.)

A rapid decline in external Ca2+ induces Ca2+ mobilization in bovine adrenal glomerulosa cells. Foster RH. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):165–9 (19 ref.)

Intracellular calcium and pathophysiological changes in cerebral ischemia. Greenberg JH, et al. **Arzneimittelforschung** 1991 Mar;41(3A):324–33 (23 ref.)

Peptide hormones, neurotransmitters, and drugs as Ca2+ ionophores: implications for signal transduction. Ananthanarayanan VS. **Biochem Cell Biol** 1991 Feb–Mar; 69(2–3):93–5 (19 ref.)

Inositol 1,3,4,5-tetrakisphosphate and regulation of intracellular calcium. Boynton AL, et al. **Biochem Pharmacol** 1990 Nov 1;40(9):1933–9 (14 ref.)

Evidence for a role of calpactin in calcium-dependent exocytosis. Burgoyne RD, et al. **Biochem Soc Trans** 1990 Dec;18(6):1101–4 (21 ref.)

Intracellular Ca2+ storage organelles in non-muscle cells: heterogeneity and functional assignment. Meldolesi J, et al. **Biochim Biophys Acta** 1990 Nov 12;1055(2):130–40 (124 ref.)

The endoplasmic reticulum and calcium storage. Koch GL. **Bioessays** 1990 Nov;12(11):527–31 (33 ref.)

Receptors, inositol polyphosphates and intracellular Ca2+. Nahorski SR. **Br J Clin Pharmacol** 1990;30 Suppl 1:23S–26S (13 ref.)

Two concepts. II: Effect of estrogen on the skeleton and pelvic ligaments of hens and mammals: experimental and clinical aspects. Sutro CJ, et al. **Bull Hosp Jt Dis Orthop Inst** 1991 Spring;51(1):46–53 (36 ref.)

Regulation and interaction of intracellular calcium, sodium and hydrogen ions in cardiac muscle. MacLeod KT. **Cardioscience** 1991 Jun;2(2):71–85 (109 ref.)

Essential hypertension in blacks: epidemiology, characteristics, and possible roles of racial differences in sodium, potassium, and calcium regulation. Aviv A, et al. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:335–42 (112 ref.)

Calcium handling by renal tubules during oxygen deprivation injury to the kidney prior to reoxygenation. Burke TJ, et al. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1319–24 (30 ref.)

Potassium and calcium intake, excretion, and homeostasis in blacks, and their relation to blood pressure. Langford HG, et al. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:403–6 (19 ref.)

Calcium sequestration in the liver. Kraus-Friedmann N. **Cell Calcium** 1990 Nov–Dec;11(10):625–40 (96 ref.)

Capacitative calcium entry revisited. Putney JW Jr. **Cell Calcium** 1990 Nov–Dec;11(10):611–24 (55 ref.)

High and low cytosolic Ca2+ induced macrophage death? Hypothesis. Van Rooijen N. **Cell Calcium** 1991 Jun; 12(6):381–4 (32 ref.)

Oxidative stress in mitochondria: its relationship to cellular Ca2+ homeostasis, cell death, proliferation, and differentiation. Richter C, et al. **Chem Biol Interact** 1991; 77(1):1–23 (135 ref.)

Accumulation of hyporesponsive, calcium extruding memory T cells as a key feature of age-dependent immune dysfunction. Miller RA. **Clin Immunol Immunopathol** 1991 Mar;58(3):305–17 (46 ref.)

The importance of calcium regulation in toxic cell injury. Studies utilizing the technology of digital imaging fluorescence microscopy. Trump BF, et al. **Clin Lab Med** 1990 Sep;10(3):531–47 (38 ref.)

Calcium and pH in anoxic and toxic injury. Herman B, et al. **Crit Rev Toxicol** 1990;21(2):127–48 (229 ref.)

Calcium regulation and homeostasis. Cheek TR. **Curr Opin Cell Biol** 1991 Apr;3(2):199–205 (58 ref.)

Cation antiporters. Khananshvili D. **Curr Opin Cell Biol** 1990 Aug;2(4):731–4 (17 ref.)

The integration of receptor-regulated intracellular calcium release and calcium entry across the plasma membrane.

Putney JW Jr. **Curr Top Cell Regul** 1990;31:111–27 (83 ref.)
Na(+)-Ca2+ exchanger: the elusive protein. Rahamimoff H. **Curr Top Cell Regul** 1990;31:241–71 (105 ref.)
Calcium metabolism in hypertension and allied metabolic disorders. Resnick LM. **Diabetes Care** 1991 Jun; 14(6):505–20 (129 ref.)
Structural and functional aspects of calcium homeostasis in eukaryotic cells. Pietrobon D, et al. **Eur J Biochem** 1990 Nov 13;193(3):599–622 (402 ref.)
Ca(2+)-storage organelles. Krause KH. **FEBS Lett** 1991 Jul 22;285(2):225–9 (42 ref.)
Direct up-regulating effect of Gs on the whole-cell L-type Ca current in cardiac cells. Shuba YM, et al. **Gen Physiol Biophys** 1991 Apr;10(2):105–10 (28 ref.)
Biliary calcium and gallstone formation. Moore EW. **Hepatology** 1990 Sep;12(3 Pt 2):206S–214S; discussion 214S–218S (77 ref.)
Growth hormone (replacement) therapy in adults: bone and calcium metabolism. van der Veen EA, et al. **Horm Res** 1990;33 Suppl 4:65–8 (18 ref.)
Ca2(+)-binding to citrate cycle dehydrogenases. Rutter GA. **Int J Biochem** 1990;22(10):1081–8 (75 ref.)
Vitamin D metabolism and mechanisms of calcium transport. Kumar R. **J Am Soc Nephrol** 1990 Jul;1(1):30–42 (214 ref.)
Oscillating intracellular Ca2+ signals evoked by activation of receptors linked to inositol lipid hydrolysis: mechanism of generation. Petersen OH, et al. **J Membr Biol** 1990 Nov; 118(2):93–105 (110 ref.)
Recent advances in the molecular characterization of plasma membrane Ca2+ pumps. Strehler EE. **J Membr Biol** 1991 Feb;120(1):1–15 (104 ref.)
The role of monoamine oxidase, iron–melanin interaction, and intracellular calcium in Parkinson's disease. Youdim MB, et al. **J Neural Transm Suppl** 1990;32:239–48 (39 ref.)
Involvement of calcium and inositol phosphates in amphibian egg activation. Busa WB. **J Reprod Fertil Suppl** 1990; 42:155–61 (39 ref.)
Facts and hypotheses of calcium regulation of MPF activity during meiotic maturation of starfish oocytes. Dorée M, et al. **J Reprod Fertil Suppl** 1990;42:135–40 (57 ref.)
Altered Ca2+ homeostasis and functional correlates in hepatocytes and adipocytes in endotoxemia and sepsis. Spitzer JA. **J Trauma** 1990 Dec;30(12 Suppl):S192–7 (48 ref.)
Molecular mechanism of calcium uptake and release by cardiac sarcoplasmic reticulum. Inui M, et al. **Jpn Circ J** 1990 Sep;54(9):1185–91 (31 ref.)
Calcium release mechanisms in smooth muscle. Iino M. **Jpn J Pharmacol** 1990 Dec;54(4):345–54 (48 ref.)
Renal control of extracellular calcium. Rouse D, et al. **Kidney Int** 1990 Oct;38(4):700–8 (126 ref.)
Role of Ca2+/H+ antiporter in the kidney. Tsukamoto Y, et al. **Kidney Int Suppl** 1991 Jul;33:S90–4 (36 ref.)
Cyclic AMP phosphodiesterases and Ca2+ current regulation in cardiac cells. Fischmeister R, et al. **Life Sci** 1991;48(25):2365–76 (132 ref.)
Competing antagonists to energy production in space and their effect on calcium metabolism. Tanner H. **Med Hypotheses** 1990 Aug;32(4):283–8 (51 ref.)
Effect of age on calcium and phosphate absorption. Role of 1,25-dihydroxyvitamin D. Armbrecht HJ. **Miner Electrolyte Metab** 1990;16(2–3):159–66 (46 ref.)
Intestinal calcium transport: the cellular pathway. Bronner F. **Miner Electrolyte Metab** 1990;16(2–3):94–100 (51 ref.)
Vitamin D–independent regulation of calcium and phosphate absorption. Lee DB, et al. **Miner Electrolyte Metab** 1990; 16(2–3):167–73 (59 ref.)
Intestinal calcium absorption. Interplay of paracellular and cellular pathways. Nellans HN. **Miner Electrolyte Metab** 1990;16(2–3):101–8 (45 ref.)
Transcaltachia, vesicular calcium transport, and microtubule-associated calbindin-D28K: emerging views of 1,25-dihydroxyvitamin D3–mediated intestinal calcium absorption. Nemere I, et al. **Miner Electrolyte Metab** 1990; 16(2–3):109–14 (31 ref.)
Intestinal calcium transport in systemic disease. Studies with brush-border membrane vesicles. Schedl HP, et al. **Miner Electrolyte Metab** 1990;16(2–3):147–53 (33 ref.)
In vivo intestinal absorption of calcium in humans. Sheikh MS, et al. **Miner Electrolyte Metab** 1990;16(2–3):130–46 (78 ref.)
Intestinal calcium transport in the spontaneously hypertensive rat. Young EW, et al. **Miner Electrolyte Metab** 1990;16(2–3):154–8 (35 ref.)
Properties of calcium channels in cardiac muscle and vascular smooth muscle. Sperelakis N. **Mol Cell Biochem** 1990 Dec 20;99(2):97–109 (90 ref.)
Calcium in bacteria: a solution to which problem? Norris V, et al. **Mol Microbiol** 1991 Apr;5(4):775–8 (48 ref.)
Regulation of EGF receptor expression and function. Gill GN. **Mol Reprod Dev** 1990 Sep;27(1):46–53 (0 ref.)
Receptor-regulated calcium entry. Putney JW Jr. **Pharmacol Ther** 1990;48(3):427–34 (54 ref.)
Modifications of cell signalling in the cytotoxicity of metals. Rossi A, et al. **Pharmacol Toxicol** 1991 Jun;68(6):424–9 (56 ref.)
Extracellular Ca2+ sensing, regulation of parathyroid cell function, and role of Ca2+ and other ions as extracellular (first) messengers. Brown EM. **Physiol Rev** 1991 Apr; 71(2):371–411 (259 ref.)
Calcium pump of the plasma membrane. Carafoli E. **Physiol Rev** 1991 Jan;71(1):129–53 (286 ref.)
Na-Ca or Na-Ca-K exchange in rod photoreceptors. Schnetkamp PP. **Prog Biophys Mol Biol** 1989;54(1):1–29 (70 ref.)
Cell surface ATP (P2y) purinoceptors trigger and modulate multiple calcium fluxes in skeletal muscle cells. Häggblad J, et al. **Prog Brain Res** 1990;84:111–6 (18 ref.)
The interaction between taurine, calcium and phospholipids: further investigations of a trinitarian hypothesis. Huxtable RJ. **Prog Clin Biol Res** 1990;351:185–96 (33 ref.)
Homeostatic and protective effects of taurine. Nakagawa M. **Prog Clin Biol Res** 1990;351:447–9 (10 ref.)
Modulation of cardiac Ca++ current by taurine. Sawamura A, et al. **Prog Clin Biol Res** 1990;351:207–15 (19 ref.)
Calcium/calmodulin functions in P. falciparum in vitro—implications for antiprotozoal drug design. Scheibel LW, et al. **Prog Clin Parasitol** 1989;1:21–56 (172 ref.)
Regulation of intracellular calcium in epithelial cells. Muallem S, et al. **Semin Cell Biol** 1990 Aug;1(4):305–10 (36 ref.)
Signal transduction for chemotaxis in Dictyostelium amoebae. Newell PC, et al. **Semin Cell Biol** 1990 Apr; 1(2):105–13 (72 ref.)
Plasma membrane Ca2+ pumps and Na+/Ca2+ exchangers. Strehler EE. **Semin Cell Biol** 1990 Aug; 1(4):283–95 (104 ref.)
Rapidly exchanging Ca2+ stores of non-muscle cells. Volpe P, et al. **Semin Cell Biol** 1990 Aug;1(4):297–304 (65 ref.)
Alteration of mineral metabolism in chronic renal failure. Slatopolsky E, et al. **Transplant Proc** 1991 Apr;23(2):1816–7 (15 ref.)
Calcium binding induces conformational changes in muscle regulatory proteins. da Silva AC, et al. **Trends Biochem Sci** 1991 Feb;16(2):53–7 (29 ref.)
Prophylaxis in idiopathic calcium urolithiasis. Ackermann D. **Urol Res** 1990;18 Suppl 1:S37–40 (42 ref.)
Calcium and the kidney—from stones to molecules. Suki WN. **Verh K Acad Geneeskd Belg** 1990;52(3):203–21; discussion 221–3 (27 ref.)
Comparative properties of erythrocyte calcium-transporting enzyme in different mammalian species. Bababunmi EA, et al. **World Rev Nutr Diet** 1991;64:109–38 (83 ref.)
[Mechanism of abnormal cardiac relaxation and the evaluation of relaxation indices] Liu LJ. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):77–80 (20 ref.) **(Chi)**
[Calcium metabolism disorders in sarcoidosis] Lhote F. **Ann Med Interne (Paris)** 1990;141(6):531–4 (32 ref.) **(Fre)**
[Calcium in hepatocytes: physiology and physiopathology] Claret M, et al. **Gastroenterol Clin Biol** 1991;15(1):57–63 (71 ref.) **(Fre)**
[Heart failure in dilated cardiomyopathy. A disorder of cellular calcium homeostasis] Beuckelmann DJ, et al. **Dtsch Med Wochenschr** 1991 Mar 29;116(13):504–8 (24 ref.) **(Ger)**
[Thiazide diuretics and calcium metabolism] Cronenberg A, et al. **Dtsch Med Wochenschr** 1991 Feb 15;116(7):270–1 (21 ref.) **(Ger)**
[Is sugar a nutrient robber?] Feldheim W. **Z Ernahrungswiss** 1990;29 Suppl 1:26–30 (9 ref.) (Eng. Abstr.) **(Ger)**
[Mechanism of activation of receptor-operated calcium entry in non-excitable cells] Takemura H, et al. **Nippon Yakurigaku Zasshi** 1991 Jun;97(6):319–27 (58 ref.) (Eng. Abstr.) **(Jpn)**
[Signal transduction mechanism of Ca2(+)-mobilizing hormone receptor and GTP binding proteins] Okajima F. **Seikagaku** 1990 Sep;62(9):1117–43 (216 ref.) **(Jpn)**
[Transport of calcium ions through the cell membrane] Famulski KS. **Postepy Biochem** 1989;35(4):493–511 (128 ref.) **(Pol)**
[Changes in the calcium transport systems of rat brain synaptosomes and their possible role in the pathophysiology of aging] Satrustegi D, et al. **Fiziol Zh** 1990 Sep–Oct;36(5):42–50 (41 ref.) (Eng. Abstr.) **(Rus)**
[Methods of assessing renal calcium reabsorption (review of the literature)] Pronchenko IA, et al. **Lab Delo** 1990;(6):4–9 (14 ref.) **(Rus)**
[The hormonal system of calcium metabolism regulation in the pathogenesis of blood circulation disorders] Khudaverdian DN, et al. **Usp Fiziol Nauk** 1991 Jan–Feb; 22(1):57–76 (165 ref.) **(Rus)**

PHARMACOKINETICS

Calcium transport in dentinogenesis. Linde A, et al. **J Biol Buccale** 1990 Jun;18(2):155–60 (24 ref.)
[The excitation–contraction coupling of the vascular smooth muscle cells] Honoré E, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:9–13 (24 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOLOGY

Adherence-induced enhancement of the oxidative burst of human neutrophilic granulocytes: effects of the surface coat and of divalent cations. Kownatzki E, et al. **Agents Actions** 1991 Jan;32(1–2):41–5 (22 ref.)
Calcium inhibition of ATP-dependent inactivation of rod disk phosphodiesterase in isolated rods and membrane suspensions. Pugh EN Jr, et al. **Neurosci Res Suppl** 1990; 12:S183–90 (23 ref.)
[Interaction of calcium, calcium antagonists and agonists with central analgesics] Guo X, et al. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):9–14 (45 ref.) **(Chi)**

PHYSIOLOGY

Temporal aspects of calcium signalling. Berridge MJ. **Adv Second Messenger Phosphoprotein Res** 1990;24:108–14 (38 ref.)
The regulation of ciliary motility in Paramecium by Ca2+ and cyclic nucleotides. Bonini NM, et al. **Adv Second Messenger Phosphoprotein Res** 1991;23:227–72 (188 ref.)
Modulation of a single ion channel by several different protein kinases. Levitan IB, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:36–40 (10 ref.)
The role of calcium regulation in brain aging: reexamination of a hypothesis [published erratum appears in Aging (Milano) 1989;1(2):II] Khachaturian ZS. **Aging (Milano)** 1989;1(1):17–34 (84 ref.)
The cellular basis of contraction and relaxation in cardiac and vascular smooth muscle. Morgan JP, et al. **Am Heart J** 1991 Mar;121(3 (Pt 1)):961–8 (37 ref.)
Effects of calcium on vascular smooth muscle tone. Morgan KG, et al. **Am J Hypertens** 1990 Dec;3(12 Pt 2):291S–298S (48 ref.)
On the importance of cAMP and Ca++ in mandibular condylar growth and adaptation. Kantomaa T, et al. **Am J Orthod Dentofacial Orthop** 1991 May;99(5):418–26 (93 ref.)
Regulation of water and salt transport in collecting duct through calcium-dependent signaling mechanisms. Breyer MD. **Am J Physiol** 1991 Jan;260(1 Pt 2):F1–11 (110 ref.)
Calcium-dependent and calcium-independent cell adhesion molecules in the endothelium. Heimark RL. **Ann N Y Acad Sci** 1991;614:229–39 (51 ref.)
The role of calcium flux in the central nervous system actions of ethanol. Littleton JM, et al. **Ann N Y Acad Sci** 1991; 625:388–94 (20 ref.)
Calcium involvement in anesthetic blockade of synaptic transmission. Puil E, et al. **Ann N Y Acad Sci** 1991; 625:82–90 (42 ref.)
Calcium spiking. Meyer T, et al. **Annu Rev Biophys Biophys Chem** 1991;20:153–74 (78 ref.)
Direct and indirect modulation of neuronal calcium currents by G-protein activation. Dolphin AC, et al. **Biochem Soc Symp** 1990;56:45–60 (61 ref.)
Cell cycle control by calcium and calmodulin in Saccharomyces cerevisiae. Anraku Y, et al. **Biochim Biophys Acta** 1991 Jul 10;1093(2–3):169–77 (111 ref.)
Calcium and the heart: an essential partnership. Ikonomidis JS, et al. **Can J Cardiol** 1990 Sep;6(7):305–16 (97 ref.)
Ca2(+)-activated K+ currents in smooth muscle. Akbarali H, et al. **Can J Physiol Pharmacol** 1990 Nov;68(11):1489–94 (62 ref.)
Calcium, calcium channels, and calcium channel antagonists. Triggle DJ. **Can J Physiol Pharmacol** 1990 Nov; 68(11):1474–81 (49 ref.)
Towards a molecular understanding of contractility. Rüegg JC. **Cardioscience** 1990 Sep;1(3):163–8 (25 ref.)
Channel-mediated calcium current in the heart. Coetzee WA. **Cardiovasc Drugs Ther** 1988 Jan;1(5):447–59 (126 ref.)
Calcium and blood pressure [editorial; see comments] Kaplan NM. **Cardiovasc Drugs Ther** 1988 Sep;2(3):269–74 (42 ref.) Comment in: Cardiovasc Drugs Ther 1990 Feb;4(1):301.
Intracellular calcium in heart failure. Morgan JP. **Cardiovasc Drugs Ther** 1988 Mar;1(6):621–4 (8 ref.)
The role of calcium in the control of vascular tone as assessed by the Ca2+ indicator aequorin. Morgan KG. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1355–62 (23 ref.)
Role of calcium ions in reperfusion arrhythmias: relevance to pharmacologic intervention. Opie LH, et al. **Cardiovasc Drugs Ther** 1988 Dec;2(5):623–36 (78 ref.)
Role of calcium and other ions in reperfusion injury. Opie LH. **Cardiovasc Drugs Ther** 1991 Mar;5 Suppl 2:237–47 (70 ref.)
Cytoplasmic calcium oscillations: a two pool model. Berridge MJ. **Cell Calcium** 1991 Feb–Mar;12(2–3):63–72 (71 ref.)
The hepatocyte calcium oscillator. Cobbold PH, et al. **Cell Calcium** 1991 Feb–Mar;12(2–3):87–95 (27 ref.)
The four dimensions of calcium signalling in Xenopus oocytes. Delisle S. **Cell Calcium** 1991 Feb–Mar; 12(2–3):217–27 (120 ref.)
Signal-induced Ca2+ oscillations: properties of a model based on Ca(2+)-induced Ca2+ release. Dupont G, et al. **Cell Calcium** 1991 Feb–Mar;12(2–3):73–85 (54 ref.)
Calcium oscillations in endothelial cells. Jacob R. **Cell Calcium** 1991 Feb–Mar;12(2–3):127–34 (30 ref.)
Repetitive calcium transients in hamster oocytes. Miyazaki S. **Cell Calcium** 1991 Feb–Mar;12(2–3):205–16 (43 ref.)
Receptor-activated cytoplasmic Ca2+ oscillations in pancreatic acinar cells: generation and spreading of Ca2+ signals. Petersen OH, et al. **Cell Calcium** 1991 Feb–Mar; 12(2–3):135–44 (44 ref.)
Ca2+ oscillations induced by histamine H1 receptor stimulation in HeLa cells: Fura-2 and patch clamp analysis. Sauvé R, et al. **Cell Calcium** 1991 Feb–Mar;12(2–3):165–76 (44 ref.)
Spatial and temporal organization of calcium signalling in hepatocytes. Thomas AP, et al. **Cell Calcium** 1991 Feb–Mar;12(2–3):111–26 (87 ref.)
Stimulus-response coupling: the search for intracellular

calcium mediator proteins. Smith VL, et al. **Cell Regul** 1990 Jan;1(2):165–72 (90 ref.)
The role of calcium in lethal cell injury. Farber JL. **Chem Res Toxicol** 1990 Nov–Dec;3(6):503–8 (37 ref.)
The role of Ca2+ in cell killing. Nicotera P, et al. **Chem Res Toxicol** 1990 Nov–Dec;3(6):484–94 (116 ref.)
Review of the current status of calcium and thiols in cellular injury. Reed DJ. **Chem Res Toxicol** 1990 Nov–Dec; 3(6):495–502 (94 ref.)
Possible role of Ca2+ in heavy metal cytotoxicity. Viarengo A, et al. **Comp Biochem Physiol [C]** 1991;100(1–2):81–4 (25 ref.)
The role of calcium in neurotransmitter release: existing models and new approaches to evaluate possible mechanisms. Atlas D. **Curr Top Cell Regul** 1990;31:129–59 (175 ref.)
Calcium as intracellular messenger: from simplicity to complexity. Rasmussen H, et al. **Curr Top Cell Regul** 1990; 31:1–109 (435 ref.)
Cytosolic calcium: a new factor in insulin resistance? Draznin B. **Diabetes Res Clin Pract** 1991 Mar;11(3):141–5 (35 ref.)
On the contribution of mathematical models to the understanding of neurotransmitter release. Parnas H, et al. **Int Rev Neurobiol** 1990;32:1–50 (166 ref.)
Contribution of calcium ions to epileptogenesis. Speckmann EJ, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):95–105 (24 ref.)
Mechanisms of acute ischemic contractile failure of the heart. Role of intracellular calcium. Lee JA, et al. **J Clin Invest** 1991 Aug;88(2):361–7 (62 ref.)
Calcium and vascular reactivity in aging and hypertension [editorial] Wadsworth RM. **J Hypertens** 1990 Nov; 8(11):975–83 (137 ref.)
The mechanical hypothesis of excitation–contraction (EC) coupling in skeletal muscle. Ríos E, et al. **J Muscle Res Cell Motil** 1991 Apr;12(2):127–35 (69 ref.)
Regulation of growth cone behavior by calcium. Kater SB, et al. **J Neurosci** 1991 Apr;11(4):891–9 (86 ref.)
Magnesium absorption: mechanisms and the influence of vitamin D, calcium and phosphate. Hardwick LL, et al. **J Nutr** 1991 Jan;121(1):13–23 (75 ref.)
Intracellular free calcium and the first cell cycle of the sea-urchin embryo (Lytechinus pictus). Steinhardt RA. **J Reprod Fertil Suppl** 1990;42:191–7 (24 ref.)
Pharmacomechanical coupling in vascular smooth muscle cells—an overview. Itoh T. **Jpn J Pharmacol** 1991 Jan; 55(1):1–9 (50 ref.)
The parathyroid–calcitriol axis in health and chronic renal failure. Slatopolsky E, et al. **Kidney Int Suppl** 1990 Sep; 29:S41–7 (49 ref.)
The low-Ca2+ response virulence regulon of human-pathogenic Yersiniae. Straley SC. **Microb Pathog** 1991 Feb;10(2):87–91 (23 ref.)
Abnormal intracellular modulation of calcium as a major cause of cardiac contractile dysfunction. Morgan JP. **N Engl J Med** 1991 Aug 29;325(9):625–32 (45 ref.)
GAP-43 as a 'calmodulin sponge' and some implications for calcium signalling in axon terminals. Skene JH. **Neurosci Res Suppl** 1990;13:S112–25 (50 ref.)
Phosphorylation of elongation factor 2: a key mechanism regulating gene expression in vertebrates. Ryazanov AG, et al. **New Biol** 1990 Oct;2(10):843–50 (64 ref.)
Oscillatory Ca2+ signaling and its cellular function. Tsunoda Y. **New Biol** 1991 Jan;3(1):3–17 (92 ref.)
Organization of intracellular calcium signals generated by inositol lipid–dependent hormones. Rooney TA, et al. **Pharmacol Ther** 1991;49(3):223–37 (119 ref.)
Involvement of calcium in pineal gland function. Morton DJ, et al. **Proc Soc Exp Biol Med** 1991 Sep;197(4):378–83 (30 ref.)
Ca2+ and activation mechanisms in skeletal muscle. Ashley CC, et al. **Q Rev Biophys** 1991 Feb;24(1):1–73 (297 ref.)
Calcium oscillations: phenomena, mechanisms and significance. Cobbold PH, et al. **Semin Cell Biol** 1990 Aug; 1(4):311–21 (46 ref.)
Status of calcium and thiols in hepatocellular injury by oxidative stress. Reed DJ. **Semin Liver Dis** 1990 Nov; 10(4):285–92 (104 ref.)
Perturbation of calcium homeostasis as a link between acute cell injury and carcinogenesis in the kidney. Vamvakas S, et al. **Toxicol Lett** 1990 Sep;53(1–2):115–20 (14 ref.)
Calcium and the mechanism of light adaptation in vertebrate photoreceptors. Fain GL, et al. **Trends Neurosci** 1990 Sep; 13(9):378–84 (68 ref.)
The possible role of adhesion in synaptic modification. Schubert D. **Trends Neurosci** 1991 Apr;14(4):127–30 (57 ref.)
Inhibitory mode for Ca2+ regulation. Kohama K. **Trends Pharmacol Sci** 1990 Nov;11(11):433–5 (23 ref.)
Cyclic GMP and calcium: the internal messengers of excitation and adaptation in vertebrate photoreceptors. Pugh EN Jr, et al. **Vision Res** 1990;30(12):1923–48 (140 ref.)
[The role of calcium ions in the contractility of cardiac muscles and possible effects of various substances] Butora G. **Cesk Farm** 1990 Oct;39(8):363–9 (122 ref.) **(Cze)**
[Calcium-calmodulin and vasomotor activity] Lugnier C. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:25–34 (35 ref.) (Eng. Abstr.) **(Fre)**
[Calcium and hypertension] Barbagallo M, et al. **Cardiologia** 1990 May;35(5):363–7 (65 ref.) **(Ita)**
[Calcium regulation of smooth muscle contractility] Karaki H. **Nippon Yakurigaku Zasshi** 1990 Dec;96(6):289–99 (66 ref.) (Eng. Abstr.) **(Jpn)**
[A study on the role and mechanism of intracellular Ca2+ in the central nervous system] Miyamoto E. **Nippon Yakurigaku Zasshi** 1990 Oct;96(4):141–52 (78 ref.) (Eng. Abstr.) **(Jpn)**
[Molecular pharmacology of intracellular calcium signaling] Hidaka H, et al. **Seikagaku** 1990 Dec;62(12):1473–89 (65 ref.) **(Jpn)**
[Role of calcium in the action of insulin-like growth factor-I] Kojima I. **Seikagaku** 1990 Nov;62(11):1333–50 (24 ref.) **(Jpn)**
[Inorganic ions versus proteins in biological functions] Ebashi S. **Yakugaku Zasshi** 1991 Mar;111(3):182–7 (9 ref.) (Eng. Abstr.) **(Jpn)**
[The molecular factors of the cell adhesion of neural tissues and the Ca2+-independent adhesion system] Dol'nikova AE, et al. **Ontogenez** 1990 Jul–Aug;21(4):358–67 (62 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Calcium supplementation and bone loss: a review of controlled clinical trials. Dawson-Hughes B. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):274S–280S (66 ref.)
Calcium, magnesium, and zinc supplementation and perinatal outcome. Repke JT. **Clin Obstet Gynecol** 1991 Jun; 34(2):262–7 (35 ref.)
[Calcium in the prevention and treatment of osteoporosis] Burckhardt P. **Ther Umsch** 1991 Feb;48(2):107–12 (50 ref.) (Eng. Abstr.) **(Ger)**

URINE

Hypercalciuria and stones. Lemann J Jr, et al. **Am J Kidney Dis** 1991 Apr;17(4):386–91 (74 ref.)
[Measurement of crystallization of calcium salts in urine] Gottlieb D. **Harefuah** 1991 Jan 15;120(2):89–92 (37 ref.) **(Heb)**
[Family studies in idiopathic hypercalciuria] Harangi F. **Orv Hetil** 1991 Jun 16;132(24):1309–12 (23 ref.) (Eng. Abstr.) **(Hun)**

CALCIUM-ACTIVATED NEUTRAL PROTEASE see **CALPAIN**

CALCIUM-ACTIVATED PHOSPHOLIPID-DEPENDENT KINASE see **PROTEIN KINASE C**

CALCIUM ADENOSINE TRIPHOSPHATASE see **ADENOSINE TRIPHOSPHATASE, CALCIUM**

CALCIUM ANTAGONISTS, EXOGENOUS see **CALCIUM CHANNEL BLOCKERS**

CALCIUM ATPASE see **ADENOSINE TRIPHOSPHATASE, CALCIUM**

CALCIUM-BINDING PROTEIN, VITAMIN D-DEPENDENT

ANALYSIS

Calbindin-D9k. A vitamin-D-dependent, calcium-binding protein in mineralized tissues. Balmain N. **Clin Orthop** 1991 Apr;(265):265–76 (78 ref.)

GENETICS

[Structure, expression and control of calbindins-D] Thomasset M, et al. **Ann Endocrinol (Paris)** 1990; 51(3–4):108–11 (14 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Cerebellar localization and colocalization of GABA and calcium binding protein-D28K. Batini C. **Arch Ital Biol** 1990 Jul;128(2–4):127–49 (108 ref.)

PHYSIOLOGY

Calbindin-D of human small intestine and kidney. Purification, molecular properties and clinical significance. Staun M. **Dan Med Bull** 1991 Jun;38(3):271–82 (138 ref.)
Transcaltachia, vesicular calcium transport, and microtubule-associated calbindin-D28K: emerging views of 1,25-dihydroxyvitamin D3-mediated intestinal calcium absorption. Nemere I, et al. **Miner Electrolyte Metab** 1990; 16(2–3):109–14 (31 ref.)

CALCIUM-BINDING PROTEIN, VITAMIN K-DEPENDENT see **OSTEOCALCIN**

CALCIUM-BINDING PROTEINS

Calcium-binding proteins: an overview. Weinman S. **J Biol Buccale** 1991 Mar;19(1):90–8 (50 ref.)
Lipocortins: an update. Russo-Marie F. **Prostaglandins Leukot Essent Fatty Acids** 1991 Feb; 42(2):83–9 (102 ref.)

ANALYSIS

Calponin and the composition of smooth muscle thin filaments [news] Lehman W. **J Muscle Res Cell Motil** 1991 Jun;12(3):221–4 (32 ref.)

BLOOD

Bone protein and peptide assays in the diagnosis and management of skeletal disease. Deftos LJ. **Clin Chem** 1991 Jul;37(7):1143–8 (66 ref.)
Human plasma gelsolin binds adenosine triphosphate. Yamamoto H, et al. **J Biochem (Tokyo)** 1990 Oct; 108(4):505–6 (21 ref.)

CHEMISTRY

A review of studies leading towards a three-dimensional understanding of the annexin family of proteins. Freemont PS. **Biochem Soc Trans** 1990 Dec;18(6):1098–101 (24 ref.)
Intralumenal sarcoplasmic reticulum Ca(2+)-binding proteins. Cala SE, et al. **Semin Cell Biol** 1990 Aug; 1(4):265–75 (71 ref.)
Internal calcium-binding proteins. Heizmann CW, et al. **Semin Cell Biol** 1990 Aug;1(4):277–82 (47 ref.)
Intracellular calcium-binding proteins: more sites than insights. Heizmann CW, et al. **Trends Biochem Sci** 1991 Mar;16(3):98–103 (25 ref.)

GENETICS

Hormonal regulation of an avian annexin I gene. Horseman ND. **Biochem Soc Trans** 1990 Dec;18(6):1113–5 (15 ref.)

METABOLISM

Peptide hormones, neurotransmitters, and drugs as Ca2+ ionophores: implications for signal transduction. Ananthanarayanan VS. **Biochem Cell Biol** 1991 Feb–Mar; 69(2–3):93–5 (19 ref.)
Evolutionary conservation and structural determinants of the calelectrins (annexins). Johnston PA, et al. **Biochem Soc Trans** 1990 Dec;18(6):1097–8 (33 ref.)
Ca(2+)-storage organelles. Krause KH. **FEBS Lett** 1991 Jul 22;285(2):225–9 (42 ref.)
Molecular biology of actin binding proteins: evidence for a common structural domain in the F-actin binding sites of gelsolin and alpha-actinin. Way M, et al. **J Cell Sci Suppl** 1991;14:91–4 (28 ref.)
Synexin (annexin VII): a cytosolic calcium-binding protein which promotes membrane fusion and forms calcium channels in artificial bilayer and natural membranes. Pollard HB, et al. **J Membr Biol** 1990 Aug;117(2):101–12 (38 ref.)
Calcium-binding proteins: differential regulation in intestine, kidney, and brain. **Nutr Rev** 1991 Jun;49(6):191–4 (13 ref.)
Calcium binding induces conformational changes in muscle regulatory proteins. da Silva AC, et al. **Trends Biochem Sci** 1991 Feb;16(2):53–7 (29 ref.)
[Annexins—a new family of Ca(2+)-binding proteins] Mel'gunov VI. **Biokhimiia** 1991 Feb;56(2):204–24 (164 ref.) (Eng. Abstr.) **(Rus)**

PHARMACOLOGY

Lipocortins as antiphospholipase A2 and anti-inflammatory proteins. Russo-Marie F. **Adv Exp Med Biol** 1990; 279:197–210 (52 ref.)

PHYSIOLOGY

Entactin: structure and function. Chung AE, et al. **Am J Respir Cell Mol Biol** 1990 Oct;3(4):275–82 (71 ref.)
Evidence for a role of calpactin in calcium-dependent exocytosis. Burgoyne RD, et al. **Biochem Soc Trans** 1990 Dec;18(6):1101–4 (21 ref.)
Stimulus–response coupling: the search for intracellular calcium mediator proteins. Smith VL, et al. **Cell Regul** 1990 Jan;1(2):165–72 (90 ref.)

CALCIUM BLOCKADERS, EXOGENOUS see **CALCIUM CHANNEL BLOCKERS**

CALCIUM CARBONATE

THERAPEUTIC USE

Calcium carbonate as a phosphate binder: is there a need to adjust peritoneal dialysate calcium concentrations for patients using CaCO3? Martis L, et al. **Perit Dial Int** 1989; 9(4):325–8 (28 ref.)
[Role of calcium carbonate in the treatment of renal osteodystrophy] Morinière P, et al. **Nephrologie** 1991; 12(1):31–41 (74 ref.) (Eng. Abstr.) **(Fre)**

CALCIUM CHANNEL ACTIVATORS see **CALCIUM CHANNEL AGONISTS**

CALCIUM CHANNEL AGONISTS

PHARMACOLOGY

[Interaction of calcium, calcium antagonists and agonists with central analgesics] Guo X, et al. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):9–14 (45 ref.) **(Chi)**

CALCIUM CHANNEL AGONISTS, EXOGENOUS see **CALCIUM CHANNEL AGONISTS**

CALCIUM CHANNEL BLOCKERS

KT-362 related effects on intracellular calcium release and associated clinical potential: arrhythmias, myocardial ischemia, and hypertension. Hester RK, et al. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1345–54 (32 ref.)

Calcium antagonists. History and perspective. Triggle DJ. **Stroke** 1990 Dec;21(12 Suppl):IV49–58 (63 ref.)

[Advanced study of calcium channel blockers in Chinese herbal medicine] Gao X. **Chung Hsi I Chieh Ho Tsa Chih** 1990 Jul;10(7):447–8, 425 (22 ref.) **(Chi)**

[Amlodipine] Pedersen OL, et al. **Ugeskr Laeger** 1991 Jul 8;153(28):2021–3 (30 ref.) **(Dan)**

[Amlodipin (Norvasc). A new calcium antagonist with long half-life] Thaulow E, et al. **Tidsskr Nor Laegeforen** 1991 Jun 20;111(16):1981–2 (17 ref.) **(Nor)**

ADMINISTRATION & DOSAGE

Combination therapy with calcium-entry blockers and beta-adrenoceptor antagonists in hypertension. Sever P. **Cardiovasc Drugs Ther** 1989 Jun;3 Suppl 1:327–32 (22 ref.)

ADVERSE EFFECTS

Calcium channel blockers and gingival overgrowth. Seymour RA. **Br Dent J** 1991 May 25;170(10):376–9 (27 ref.)

Calcium channel antagonists. Part IV: Side effects and contraindications drug interactions and combinations. Opie LH. **Cardiovasc Drugs Ther** 1988 Jul;2(2):177–89 (104 ref.)

Calcium antagonists—assessment of side effects. Thulin T. **Scand J Prim Health Care** 1990;Suppl 1:81–4 (14 ref.)

CHEMISTRY

Chromatography of calcium channel blockers. Ahnoff M, et al. **J Chromatogr** 1990 Oct 12;531:181–213 (118 ref.)

CLASSIFICATION

Classification and tissue selectivity of calcium antagonists. Nayler WG. **Z Kardiol** 1990;79 Suppl 3:107–11 (12 ref.)

METABOLISM

Calcium antagonist receptors. Reynolds IJ, et al. **Ion Channels** 1988;1:213–49 (240 ref.)

[Interaction between calcium antagonists and digoxin] Christensen C. **Ugeskr Laeger** 1991 Apr 22;153(17):1180–4 (30 ref.) (Eng. Abstr.) **(Dan)**

PHARMACOKINETICS

Pharmacokinetic drug interactions between digoxin and antiarrhythmic agents and calcium channel blocking agents: an appraisal of study methodology. Antman EM, et al. **Cardiovasc Drugs Ther** 1987 Aug;1(2):183–9 (64 ref.)

Calcium channel antagonists: Part VI: Clinical pharmacokinetics of first and second-generation agents. Opie LH. **Cardiovasc Drugs Ther** 1989 Aug;3(4):482–97 (111 ref.)

Calcium antagonists—adverse drug interactions. Reicher-Reiss H, et al. **Cardiovasc Drugs Ther** 1987 Dec; 1(4):403–9 (50 ref.)

Effects of cardiovascular disease on pharmacokinetics. Rodighiero V. **Cardiovasc Drugs Ther** 1989 Oct;3(5):711–30 (168 ref.)

Factors modifying the tissue selectivity of calcium-antagonists. Spedding M, et al. **J Neural Transm Suppl** 1990;31:5–16 (47 ref.)

PHARMACOLOGY

Comparative clinical pharmacology of calcium channel blockers. Kim KE. **Am Fam Physician** 1991 Feb;43(2):583–8 (25 ref.)

Clinical benefits of structural and functional changes with calcium antagonists. O'Malley K, et al. **Am Heart J** 1991 Jul;122(1 (Pt 2)):370–4 (23 ref.)

New calcium antagonists: relevance of vasoselectivity. Parmley WW. **Am Heart J** 1990 Dec;120(6 (Pt 1)):1408–13 (48 ref.)

Renal vascular effects of calcium channel blockers in hypertension. Benstein JA, et al. **Am J Hypertens** 1990 Dec; 3(12 Pt 2):305S–312S (47 ref.)

Effects of calcium channel blockers on the coronary circulation. Cohn PF. **Am J Hypertens** 1990 Dec;3(12 Pt 2):299S–304S (43 ref.)

Clinical pharmacology of calcium antagonists. Dollery CT. **Am J Hypertens** 1991 Feb;4(2 Pt 2):88S–95S (65 ref.)

Effects of calcium antagonists on renal hemodynamics. Epstein M, et al. **Am J Kidney Dis** 1990 Oct;16(4 Suppl 1):10–4 (25 ref.)

Cellular processes in atherogenesis: potential targets of Ca2+ channel blockers. Schmitz G, et al. **Atherosclerosis** 1991 Jun;88(2–3):109–32 (154 ref.)

Prevention of alpha-adrenergic coronary constriction by calcium-antagonists. Heusch G, et al. **Basic Res Cardiol** 1990;85 Suppl 1:219–28 (52 ref.)

Scope of vasodilatory effects of calcium antagonists. Fleckenstein-Grün G, et al. **Blood Vessels** 1990; 27(2–5):319–32 (35 ref.)

Modulation of the action of calcium antagonists in arteries. Godfraind T, et al. **Blood Vessels** 1990;27(2–5):184–96 (23 ref.)

Calcium-channel blockers and anaesthesia. Durand PG, et al. **Can J Anaesth** 1991 Jan;38(1):75–89 (195 ref.)

Brain protection: physiological and pharmacological considerations. Part II: The pharmacology of brain protection. Hall R, et al. **Can J Anaesth** 1990 Oct; 37(7):762–77 (118 ref.)

Calcium, calcium channels, and calcium channel antagonists. Triggle DJ. **Can J Physiol Pharmacol** 1990 Nov; 68(11):1474–81 (49 ref.)

Calcium antagonists: whither now? [editorial] Nayler WG. **Cardiovasc Drugs Ther** 1988 Mar;1(6):617–9 (19 ref.)

Calcium channel antagonists, Part I: Fundamental properties: mechanisms, classification, sites of action. Opie LH. **Cardiovasc Drugs Ther** 1987 Dec;1(4):411–30 (131 ref.)

Calcium channel antagonists. Part V: Second-generation agents. Opie LH. **Cardiovasc Drugs Ther** 1988 Jul; 2(2):191–203 (143 ref.)

Effects of calcium antagonists on the hypertensive kidney. Reams GP, et al. **Cardiovasc Drugs Ther** 1990 Oct; 4(5):1331–5 (35 ref.)

Renal effects of calcium entry blockers. Ruilope LM, et al. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 5:979–82 (36 ref.)

Increased coronary tone in exertional angina: the beneficial effects of calcium antagonists. Specchia G, et al. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 5:893–7 (35 ref.)

Role of calcium channel blockers in experimental exercise-induced ischemia. Thaulow E, et al. **Cardiovasc Drugs Ther** 1988 Jan;1(5):503–12 (60 ref.)

Amlodipine. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic use in cardiovascular disease [published erratum appears in Drugs 1991 Jun;41(6):856] Murdoch D, et al. **Drugs** 1991 Mar; 41(3):478–505 (111 ref.)

Pharmacology of the calcium antagonist isradipine. Rüegg UT, et al. **Drugs** 1990;40 Suppl 2:3–9 (14 ref.)

Natriuretic effects of calcium antagonists. Clinical implications. Zanchetti A, et al. **Drugs** 1990;40 Suppl 2:15–21 (17 ref.)

Calcium channel blockers and atherosclerosis. Henry PD. **J Cardiovasc Pharmacol** 1990;16 Suppl 1:S12–5 (34 ref.)

The effects of calcium channel blockers on blood fluidity. Koenig W, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 6:S40–4 (33 ref.)

Cytoprotective effects of calcium channel blockers. Mechanisms and potential applications in hepatocellular injury. Deakin CD, et al. **J Hepatol** 1991 Mar;12(2):251–5 (42 ref.)

Effects of antihypertensive therapy on glucose tolerance: focus on calcium antagonists. Hedner T, et al. **J Intern Med Suppl** 1991;735:101–11 (87 ref.)

Renal actions of calcium channel antagonists. Osswald H, et al. **J Neural Transm Suppl** 1990;31:39–53 (45 ref.)

Factors modifying the tissue selectivity of calcium-antagonists. Spedding M, et al. **J Neural Transm Suppl** 1990;31:5–16 (47 ref.)

Omega-conotoxin-sensitive voltage-operated calcium channels in vertebrate cells. Sher E, et al. **Neuroscience** 1991;42(2):301–7 (81 ref.)

New ligands for L-type Ca2+ channels. Rampe D, et al. **Trends Pharmacol Sci** 1990 Mar;11(3):112–5 (38 ref.)

[Advances in research of antineoplastic drug resistance with calcium antagonists] Wu WD. **Chung Hua Nei Ko Tsa Chih** 1990 Nov;29(11):686–8 (13 ref.) **(Chi)**

[Interaction of calcium, calcium antagonists and agonists with central analgesics] Guo X, et al. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):9–14 (45 ref.) **(Chi)**

[The left ventricular diastolic function in patients with hypertension and calcium inhibitors] Abassade P, et al. **Ann Cardiol Angeiol (Paris)** 1991 Feb;40(2):89–96 (46 ref.) (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Calcium antagonists: an overview. Hansson L. **Am Heart J** 1991 Jul;122(1 (Pt 2)):308–11 (32 ref.)

Adjunctive use of beta-adrenergic blockers, calcium antagonists and other therapies in coronary thrombolysis. Becker RC, et al. **Am J Cardiol** 1991 Jan 25;67(3):25A–31A (101 ref.)

Secondary prevention of acute myocardial infarction with beta-blocking agents and calcium antagonists. Hampton JR. **Am J Cardiol** 1990 Sep 25;66(9):3C–8C (16 ref.)

Atherogenesis, calcium and calcium antagonists. Henry PD. **Am J Cardiol** 1990 Dec 18;66(21):3I–6I (43 ref.)

Cardioprotective effects of amlodipine on ischemia and reperfusion in two experimental models. Hoff PT, et al. **Am J Cardiol** 1990 Nov 20;66(18):10H–16H (50 ref.)

Progress in cardioprotection: the role of calcium antagonists. Kloner RA, et al. **Am J Cardiol** 1990 Nov 20;66(18):2H–9H (45 ref.)

A new generation of calcium antagonists and their role in atherosclerosis. Paoletti R, et al. **Am J Cardiol** 1990 Nov 20;66(18):28H–31H (23 ref.)

Vascular protection from atherosclerosis: potential of calcium antagonists. Parmley WW. **Am J Cardiol** 1990 Dec 18; 66(21):16I–22I (45 ref.)

Anti-atherosclerotic and vasculoprotective actions of calcium antagonists. Ram CV. **Am J Cardiol** 1990 Dec 18; 66(21):29I–32I (18 ref.)

Advantages of beta blockers versus antiarrhythmic agents and calcium antagonists in secondary prevention after myocardial infarction. Singh BN. **Am J Cardiol** 1990 Sep 25;66(9):9C–20C (100 ref.)

Therapeutic considerations in the elderly hypertensive. The role of calcium channel blockers. Black HR. **Am J Hypertens** 1990 Dec;3(12 Pt 2):347S–354S (95 ref.)

Calcium channel blockers and the prevention of atherosclerosis. Gotto AM Jr. **Am J Hypertens** 1990 Dec; 3(12 Pt 2):342S–346S (26 ref.)

Calcium antagonists in experimental atherosclerosis. Use-dependence of isradipine: a potential explanation for enhanced action in atherosclerotic animals and tissue selectivity. Hof RP, et al. **Am J Hypertens** 1991 Feb;4(2 Pt 2):107S–113S (81 ref.)

Effects of calcium antagonists on glomerular hemodynamics and structure in experimental hypertension. Dworkin LD. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):89–93 (37 ref.)

Calcium channel blockers versus angiotensin-converting enzyme inhibitors: renal effects. Linas S. **Am J Kidney Dis** 1990 Oct;16(4 Suppl 1):15–9 (27 ref.)

Calcium channel blockers and atherosclerosis. Sowers JR. **Am J Kidney Dis** 1990 Oct;16(4 Suppl 1):3–9 (24 ref.)

Calcium channel blockers: effects on progressive renal disease. Zucchelli P, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):94–7 (42 ref.)

Left ventricular hypertrophy: impact of calcium channel blocker therapy. Messerli FH. **Am J Med** 1991 May 17; 90(5A):27S–31S (46 ref.)

The relationship of sodium balance and concomitant diuretic therapy to blood pressure response with calcium channel entry blockers. Weinberger MH. **Am J Med** 1991 May 17; 90(5A):15S–20S (35 ref.)

Therapeutic benefits of calcium channel blockers in cyclosporine-treated organ transplant recipients: blood pressure control and immunosuppression. Weir MR. **Am J Med** 1991 May 17;90(5A):32S–36S (27 ref.)

Calcium antagonists in the management of patients with aneurysmal subarachnoid hemorrhage: a review. Adams HP Jr. **Angiology** 1990 Nov;41(11 Pt 2):1010–6 (49 ref.)

The role of calcium channel blockers in the treatment of essential hypertension. Cummings DM, et al. **Arch Intern Med** 1991 Feb;151(2):250–9 (176 ref.)

Calcium antagonists in the treatment of experimental cerebral ischemia. Ginsberg MD, et al. **Arzneimittelforschung** 1991 Mar;41(3A):334–7 (37 ref.)

The pharmacologic treatment of atrial fibrillation. Bolognesi R. **Cardiovasc Drugs Ther** 1991 Jun;5(3):617–28 (162 ref.)

Secondary prevention after myocardial infarction: effects of beta blocking agents and calcium antagonists. Depelchin P, et al. **Cardiovasc Drugs Ther** 1988 May;2(1):139–48 (45 ref.)

Impact of calcium entry blockers on glomerular injury in experimental hypertension. Dworkin LD. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1325–30 (34 ref.)

Pharmacologic treatment of hypertrophic cardiomyopathy: beta-blockade or calcium blockade or what? [editorial] Goodwin JF. **Cardiovasc Drugs Ther** 1988 Mar;1(6):665–8 (11 ref.)

Calcium antagonists and myocardial infarction. Hansen JF. **Cardiovasc Drugs Ther** 1991 Aug;5(4):665–70 (17 ref.)

Antiatherogenic effects of calcium-channel blockers: possible mechanisms of action. Henry PD. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 5:1015–20 (54 ref.)

Calcium antagonists—future uses [editorial] Krebs R. **Cardiovasc Drugs Ther** 1988 Mar;1(6):613–6 (31 ref.)

The role of beta-receptor and calcium-entry-blocking agents in acute myocardial infarction in the thrombolytic era: can the results of thrombolytic reperfusion be enhanced? [editorial] Lavie CJ, et al. **Cardiovasc Drugs Ther** 1988 Dec; 2(5):601–7 (36 ref.)

Calcium channel antagonism and beta blockade in combination—a therapeutic alternative in cardiovascular disorders. A review. Lessem JN, et al. **Cardiovasc Drugs Ther** 1989 Jun;3(3):355–73 (156 ref.)

The efficacy of beta-adrenoceptor and calcium-entry blockers in hypertensive blacks. M'Buyamba-Kabangu JR, et al. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:389–94 (63 ref.)

Calcium channel antagonists. Part III: Use and comparative efficacy in hypertension and supraventricular arrhythmias. Minor indications. Opie LH. **Cardiovasc Drugs Ther** 1988 Mar;1(6):625–56 (225 ref.)

Calcium channel antagonists. Part II: Use and comparative properties of the three prototypical calcium antagonists in ischemic heart disease, including recommendations based on an analysis of 41 trials. Opie LH. **Cardiovasc Drugs Ther** 1988 Jan;1(5):461–91 (186 ref.)

Pharmacology of acute effort angina. Opie LH. **Cardiovasc Drugs Ther** 1989 Jun;3 Suppl 1:257–70 (106 ref.)

Calcium antagonists post-infarction: the significance of experimental studies on potentially lethal early ischemic ventricular arrhythmias [editorial] Opie LH. **Cardiovasc Drugs Ther** 1991 Aug;5(4):671–5 (30 ref.)

Calcium antagonists in the management of subarachnoid haemorrhage. Robinson MJ, et al. **Cerebrovasc Brain Metab Rev** 1990 Fall;2(3):205–26 (158 ref.)

Gastrointestinal receptors and drugs in motility disorders. Ruoff HJ, et al. **Digestion** 1991;48(1):1–17 (132 ref.)

Prophylactic and curative treatment of migraine with calcium antagonists. Amery WK. **Drug Des Deliv** 1989 May; 4(3):197–203 (36 ref.)

The use of calcium channel blockers in obstetrics and gynecology; a review. Fenakel K, et al. **Eur J Obstet Gynecol Reprod Biol** 1990 Dec;37(3):199–203 (41 ref.)
Calcium channel blockers in geriatric hypertension. Vidt DG, et al. **Geriatrics** 1991 Jan;46(1):28–30, 33–4, 36–8 (37 ref.)
Calcium channel blockers. Potential medical benefits and side effects. Dustan HP. **Hypertension** 1989 May;13(5 Suppl):I137–40 (17 ref.)
Arguments supporting the use of calcium antagonists in idiopathic dilated cardiomyopathy: theoretical considerations and clinical results. Figulla HR, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 6:S45–9 (34 ref.)
A review of calcium antagonists and atherosclerosis. Keogh AM, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 6:S28–35 (44 ref.)
Calcium antagonists in myocardial infarction. Zannad F, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 1:S16–9 (27 ref.)
Isradipine. Schachter M. **J Clin Pharm Ther** 1991 Apr; 16(2):79–91 (75 ref.)
Antiatherosclerotic and vasculoprotective effects of calcium antagonists: clinical implications. Ram CV. **J Hum Hypertens** 1990 Dec;4 Suppl 5:35–9 (17 ref.)
Calcium antagonists and coronary artery disease: an opportunity missed? Curtis MJ. **J Neural Transm Suppl** 1990;31:17–38 (74 ref.)
New therapeutic uses of calcium channel blockers. Introduction. Glossmann H. **J Neural Transm Suppl** 1990; 31:1–3 (18 ref.)
Calcium-channel blockers in postmyocardial infarction patients with special notation to the Danish verapamil infarction trial II. Gheorghiade M, et al. **Prog Cardiovasc Dis** 1991 Jul–Aug;34(1):37–43 (34 ref.)
Renal hemodynamic effects of calcium antagonists: implications for renal transplantation. Epstein M, et al. **Transplant Proc** 1991 Apr;23(2):1775–7 (15 ref.)
Coronary dilation with nitrocompounds and calcium antagonists. Jost S, et al. **Z Kardiol** 1990;79 Suppl 3:113–20 (112 ref.)
[Low calcium channel inhibitors: modalities for use] Abdelkhirane C, et al. **Ann Cardiol Angeiol (Paris)** 1991 Jan;40(1):39–46 (15 ref.) (Eng. Abstr.) **(Fre)**
[Use of certain cardiological drugs in the treatment of schizophrenia: review of the literature] Llorca PM, et al. **J Psychiatry Neurosci** 1991 Mar;16(1):19–24 (52 ref.) **(Fre)**
[Calcium channel blockers in the elderly with hypertension (published erratum appears in Presse Med 1991 May 25;20(20):962)] M'Buyamba Kabangu JR, et al. **Presse Med** 1991 Apr 13;20(14):652–7 (51 ref.) (Eng. Abstr.) **(Fre)**
[Diabetes mellitus and hypertension: calcium antagonists or ACE inhibitors?] Jungmann E. **Dtsch Med Wochenschr** 1991 May 31;116(22):859–62 (15 ref.) **(Ger)**
[Organ protection and regression of hypertension by calcium antagonists] Michel D. **Fortschr Med** 1991 Feb 20; 109(5):125–8 (24 ref.) (Eng. Abstr.) **(Ger)**
[Modulators of multidrug resistance in neoplastic cells] Grzelakowska-Sztabert B. **Postepy Biochem** 1989; 35(4):543–61 (128 ref.) **(Pol)**
[Central effect of calcium channel antagonists: new therapeutic possibilities in neurology and psychiatry?] Kostowski W, et al. **Psychiatr Pol** 1990 May–Jun; 24(3):209–16 (39 ref.) **(Pol)**
[Calcium antagonists--drug preparations with a wide spectrum of use] Eliseev OM. **Ter Arkh** 1990;62(10):128–32 (12 ref.) **(Rus)**
[The use of calcium antagonists in the internal disease clinic] Martsevich SIu. **Ter Arkh** 1990;62(10):132–7 (87 ref.) **(Rus)**

TOXICITY

[Toxicity of calcium inhibitors] Jaeger A, et al. **J Toxicol Clin Exp** 1990 Jul–Aug;10(4):219–28 (23 ref.) (Eng. Abstr.) **(Fre)**

CALCIUM CHANNELS

DRUG EFFECTS

Pertussis toxin-sensitive G-proteins: participation in the modulation of voltage-dependent Ca2+ channels by hormones and neurotransmitters. Rosenthal W, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:89–94 (28 ref.)
The hepatocyte calcium oscillator. Sanchez-Bueno A, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:115–21 (15 ref.)
Direct and indirect regulation of cardiac L-type calcium channels by beta-adrenoreceptor agonists. Trautwein W, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:45–50 (14 ref.)
Scope of vasodilatory effects of calcium antagonists. Fleckenstein-Grün G, et al. **Blood Vessels** 1990; 27(2–5):319–32 (35 ref.)
Ca++ and Na+ channels involved in neuronal cell death. Protection by flunarizine. Pauwels PJ, et al. **Life Sci** 1991; 48(20):1881–93 (70 ref.)
Omega-conotoxin-sensitive voltage-operated calcium channels in vertebrate cells. Sher E, et al. **Neuroscience** 1991;42(2):301–7 (81 ref.)
Classification and tissue selectivity of calcium antagonists. Nayler WG. **Z Kardiol** 1990;79 Suppl 3:107–11 (12 ref.)

METABOLISM

Properties of calcium release channels of the intracellular calcium store in muscle cells. Endo M, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:122–7 (21 ref.)
Calmodulin mutants and Ca2(+)-dependent channels in Paramecium. Preston RR, et al. **Annu Rev Physiol** 1991; 53:309–19 (57 ref.)
Molecular diversity and function of G proteins and calcium channels. Birnbaumer L, et al. **Biol Reprod** 1991 Feb; 44(2):207–24 (75 ref.)
Biochemical analysis of L-type calcium channels from skeletal and cardiac muscle. Tuana BS, et al. **Can J Physiol Pharmacol** 1990 Nov;68(11):1482–8 (49 ref.)
Structural and functional interrelationship of the intracellular receptor for inositol (1,4,5) trisphosphate. Shears SB. **Cancer Cells** 1991 Mar;3(3):97–9 (12 ref.)
Calcium sequestration in the liver. Kraus-Friedmann N. **Cell Calcium** 1990 Nov–Dec;11(10):625–40 (96 ref.)
Receptor-mediated regulation of calcium channels and neurotransmitter release. Miller RJ. **FASEB J** 1990 Dec; 4(15):3291–9 (97 ref.)
Modulation of calcium channel function in nerve cell membrane. Kostyuk PG, et al. **Gen Physiol Biophys** 1990 Oct;9(5):433–43 (76 ref.)
Direct up-regulating effect of Gs on the whole-cell L-type Ca current in cardiac cells. Shuba YM, et al. **Gen Physiol Biophys** 1991 Apr;10(2):105–10 (28 ref.)
Neuronal architecture, receptor and Ca2+ channel distribution in regenerating giant interneurons. Spira ME, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):125–40 (42 ref.)
Synexin (annexin VII): a cytosolic calcium-binding protein which promotes membrane fusion and forms calcium channels in artificial bilayer and natural membranes. Pollard HB, et al. **J Membr Biol** 1990 Aug;117(2):101–12 (38 ref.)
Properties of calcium channels in cardiac muscle and vascular smooth muscle. Sperelakis N. **Mol Cell Biochem** 1990 Dec 20;99(2):97–109 (90 ref.)
Neuronal calcium channels: kinetics, blockade and modulation. Carbone E, et al. **Prog Biophys Mol Biol** 1989; 54(1):31–58 (175 ref.)

PHYSIOLOGY

Effects of ethanol on calcium channels, potassium channels, and vasopressin release. Treistman SN, et al. **Ann N Y Acad Sci** 1991;625:249–63 (32 ref.)
Calcium channels, stores, and oscillations. Tsien RW, et al. **Annu Rev Cell Biol** 1990;6:715–60 (264 ref.)
Regulation of calcium channel activity by GTP binding proteins and second messengers. Dolphin AC. **Biochim Biophys Acta** 1991 Jan 10;1091(1):68–80 (113 ref.)
Calcium, calcium channels, and calcium channel antagonists. Triggle DJ. **Can J Physiol Pharmacol** 1990 Nov; 68(11):1474–81 (49 ref.)
Excitation-contraction coupling in vertebrate skeletal muscle: a tale of two calcium channels. Catterall WA. **Cell** 1991 Mar 8;64(5):871–4 (27 ref.)
T-type calcium channel in mammalian CNS neurones. Akaike N. **Comp Biochem Physiol [C]** 1991;98(1):31–40 (50 ref.)
The molecular structure and regulation of muscular calcium channels. Hofmann F, et al. **Curr Top Cell Regul** 1990; 31:223–39 (96 ref.)
Calcium channels in smooth muscle. Yu J, et al. **Gastroenterology** 1991 May;100(5 Pt 1):1448–60 (91 ref.)
The dihydropyridine-sensitive calcium channel of the skeletal muscle: biochemistry and structure. Nastainczyk W, et al. **Gen Physiol Biophys** 1990 Aug;9(4):321–9 (37 ref.)
Ontogenesis of transmembrane signaling systems for control of cardiac Ca2+ channels. Kojima M, et al. **J Dev Physiol** 1990 Oct;14(4):181–219 (236 ref.)
Calcium channels in cellular membranes. Kostyuk PG. **J Mol Neurosci** 1990;2(3):123–41 (255 ref.)
Calcium homeostasis of human erythrocytes and its pathophysiological implications. Engelmann B. **Klin Wochenschr** 1991 Feb 26;69(4):137–42 (54 ref.)
G proteins and calcium channels in myocardium. Fu LX, et al. **Life Sci** 1991;48(24):2291–5 (16 ref.)
Functional subunit structure of voltage-gated calcium channels. Catterall WA. **Science** 1991 Sep 27; 253(5027):1499–500 (17 ref.)
Functional studies of Ca2+ channels from plasmalemma and sarcoplasmic reticulum membranes in muscle cells. García J, et al. **Semin Cell Biol** 1990 Aug;1(4):255–64 (140 ref.)
Do calcium channel classifications account for neuronal calcium channel diversity? Swandulla D, et al. **Trends Neurosci** 1991 Feb;14(2):46–51 (67 ref.)
[Calcium kinetics in vascular smooth muscle cell] Gao YQ, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):305–9 (40 ref.) **(Chi)**
[Transport of calcium ions through the cell membrane] Famulski KS. **Postepy Biochem** 1989;35(4):493–511 (128 ref.) **(Pol)**

SECRETION

Primary hyperparathyroidism. Aspects on pathophysiology, symptoms, and treatment. Akerström G, et al. **Surg Annu** 1991;23 Pt 2:133–55 (115 ref.)

ULTRASTRUCTURE

Structure and modulation of voltage-sensitive sodium and calcium channels. Catterall WA, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:30–5 (29 ref.)

CALCIUM-DEPENDENT ACTIVATOR PROTEIN see **CALMODULIN**

CALCIUM-DEPENDENT NEUTRAL PROTEINASE see **CALPAIN**

CALCIUM-DEPENDENT REGULATOR see **CALMODULIN**

CALCIUM, DIETARY

ADMINISTRATION & DOSAGE

Calcium intake in the osteoporotic fracture context: introduction. Heaney RP. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):242S–244S (12 ref.)
Putative mechanism of blood pressure reduction induced by increases in dietary calcium intake. Luft FC. **Am J Hypertens** 1990 Aug;3(8 Pt 2):156S–160S (41 ref.)
[Nutritional status with regard to calcium in Argentina] Zeni SN, et al. **Arch Latinoam Nutr** 1988 Jun;38(2):209–18 (22 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

Calcium absorption efficiency and calcium requirements in children and adolescents. Peacock M. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):261S–265S (40 ref.)

PHARMACOKINETICS

Dermal, intestinal, and renal obligatory losses of calcium: relation to skeletal calcium loss. Charles P, et al. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):266S–273S (49 ref.)

PHARMACOLOGY

Dietary calcium and blood pressure: modifying factors in specific populations. McCarron DA, et al. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):215S–219S (38 ref.)
Blood pressure response to dietary calcium intervention in humans. Mikami H, et al. **Am J Hypertens** 1990 Aug;3(8 Pt 2):147S–151S (27 ref.)
Calcium metabolism and dietary calcium in salt sensitive hypertension. Sowers JR, et al. **Am J Hypertens** 1991 Jun; 4(6):557–63 (62 ref.)
Relationship between dietary cations and blood pressure. Kesteloot H. **Ann Nutr Metab** 1991;35 Suppl 1:109–18 (13 ref.)

THERAPEUTIC USE

Can colon cancer incidence and death rates be reduced with calcium and vitamin D? Garland CF, et al. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):193S–201S (98 ref.)
Modulating effects of calcium in animal models of colon carcinogenesis and short-term studies in subjects at increased risk for colon cancer. Wargovich MJ, et al. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):202S–205S (42 ref.)
Prevention of toxemia of pregnancy in Ecuadorian Andean women: experience with dietary calcium supplementation. López-Jaramillo P, et al. **Bull Pan Am Health Organ** 1991; 25(2):109–17 (62 ref.)

CALCIUM DIPHOSPHATE see **CALCIUM PYROPHOSPHATE**

CALCIUM HYDROXIDE

Calcium hydroxide in restorative dentistry. Milosevic A. **J Dent** 1991 Feb;19(1):3–13 (122 ref.)

CALCIUM INHIBITORS, EXOGENOUS see **CALCIUM CHANNEL BLOCKERS**

CALCIUM LEUCOVORIN see **LEUCOVORIN**

CALCIUM METABOLISM DISORDERS

Disorders of calcium and phosphorus homeostasis. Gertner JM. **Pediatr Clin North Am** 1990 Dec;37(6):1441–65 (21 ref.)

ETIOLOGY

[Endocrinological approach to symptoms and diagnosis of disorders of calcium metabolism] Matsumoto T. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):337–41 (9 ref.) **(Jpn)**

CALCIUM OXALATE

ADVERSE EFFECTS

[The significance of hypocitruria in calcium oxalate induced nephrolithiasis] Horváth C, et al. **Orv Hetil** 1990 Nov 11; 131(45):2475–8 (37 ref.) (Eng. Abstr.) **(Hun)**

CALCIUM OXALATE

ANTAGONISTS & INHIBITORS

Protein inhibitors of crystallization. Coe FI, et al. **Semin Nephrol** 1991 Mar;11(2):98–109 (26 ref.)

URINE

Physico-chemical aspects of calcium stone formation. Baumann JM. **Urol Res** 1990;18 Suppl 1:S25–30 (36 ref.)

CALCIUM PHOSPHATES

Calcium phosphates in oral biology and medicine. LeGeros RZ. **Monogr Oral Sci** 1991;15:1–201 (431 ref.)

[Regeneration capacity of the iliac crest after spongiosa removal in humans--induction by phosphate ceramics?] Roesgen M. **Unfallchirurgie** 1991 Feb;17(1):44–59 (94 ref.) (Eng. Abstr.) **(Ger)**

CHEMISTRY

Influence of magnetic fields on calcium salts crystal formation: an explanation of the 'pulsed electromagnetic field' technique for bone healing. Madroñero A. **J Biomed Eng** 1990 Sep;12(5):410–4 (28 ref.)

PHARMACOLOGY

[The regenerative ability of the iliac crest following spongiosa removal in man--induction by phosphate ceramics? I] Roesgen M. **Unfallchirurgie** 1990 Oct;16(5):258–65 (0 ref.) (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

[Possibilities of using dihydromonocalcium phosphate for prevention and treatment of chronic fluoride poisoning (review of the literature)] Iakovleva SS. **Gig Tr Prof Zabol** 1991;(2):28–9 (27 ref.) **(Rus)**

CALCIUM-PHOSPHOLIPID DEPENDENT PROTEIN KINASE see **PROTEIN KINASE C**

CALCIUM PYROPHOSPHATE

METABOLISM

Calcium pyrophosphate deposition disease and other crystal deposition diseases. Doherty M. **Curr Opin Rheumatol** 1990 Oct;2(5):789–96 (29 ref.)

TOXICITY

Crystal-induced inflammation: studies of the mechanism of crystal-membrane interactions. Burt HM, et al. **Scanning Microsc** 1991 Mar;5(1):273–9; discussion 279–80 (45 ref.)

CALCIUM RADIOISOTOPES

METABOLISM

A rapid decline in external Ca2+ induces Ca2+ mobilization in bovine adrenal glomerulosa cells. Foster RH. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):165–9 (19 ref.)

CALCIUM TRANSPORT PROTEINS see **CALCIUM-BINDING PROTEINS**

CALCULATORS, PROGRAMMABLE see **COMPUTERS**

CALCULI

see related

LITHOTRIPSY

Tonsillolith. Cerný R, et al. **Acta Univ Palacki Olomuc Fac Med** 1990;126:267–73 (11 ref.)

Pancreatic stones. Pitchumoni CS, et al. **Gastroenterol Clin North Am** 1990 Dec;19(4):873–93 (109 ref.)

COMPLICATIONS

Caroli's disease associated with hepatolithiasis: a case report and review of the Japanese literature. Tsunoda T, et al. **Gastroenterol Jpn** 1991 Feb;26(1):74–9 (6 ref.)

[A tonsillolith] Cerný R. **Cesk Otolaryngol** 1990 Nov; 39(6):362–6 (11 ref.) (Eng. Abstr.) **(Cze)**

DRUG THERAPY

Dissolution of pancreatic stones. Noda A. **Trop Gastroenterol** 1990 Apr–Jun;11(2):76–86 (18 ref.)

THERAPY

Fragmentation of pancreatic stones by extracorporeal shock wave lithotripsy. Neuhaus H. **Endoscopy** 1991 May; 23(3):161–5 (24 ref.)

Laser fragmentation of pancreatic stones. Renner IG. **Endoscopy** 1991 May;23(3):166–70 (36 ref.)

Application of urologic techniques to nonurinary calculi. Wolf JS Jr, et al. **Urology** 1990 Nov;36(5):383–9 (42 ref.)

CALDESMON see **CALMODULIN-BINDING PROTEINS**

CALICIVIRIDAE

[Viral hepatitis type C, D and E: virologic diagnosis, epidemiology and clinical course] Hess G. **Internist (Berl)** 1991 May;32(5):244–8 (16 ref.) **(Ger)**

CALIFORNIA ENCEPHALITIS VIRUS see **CALIFORNIA GROUP VIRUSES**

CALIFORNIA GROUP VIRUSES

PHYSIOLOGY

Evolutionary relationships among California serogroup viruses (Bunyaviridae) and Aedes mosquitoes (Diptera: Culicidae). Eldridge BF. **J Med Entomol** 1990 Sep; 27(5):738–49 (65 ref.)

CALISTHENICS see **GYMNASTICS**

CALLITHRIX

Antiarrhythmic effects of fish oils. Charnock JS. **World Rev Nutr Diet** 1991;66:278–91 (56 ref.)

CALLITHRIX JACCHUS see **CALLITHRIX**

CALLUS

PATHOLOGY

Delayed unions and nonunions. Diagnosis, pathophysiology, and treatment. Sumner-Smith G. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):745–60 (11 ref.)

CALMETTE-GUERIN BACILLUS see **MYCOBACTERIUM BOVIS**

CALMETTE GUERIN BACILLUS VACCINE see **BCG VACCINE**

CALMODULIN

ANTAGONISTS & INHIBITORS

Phenothiazines and calmodulin (review). Motohashi N. **Anticancer Res** 1991 May–Jun;11(3):1125–64 (208 ref.)

[Modulators of multidrug resistance in neoplastic cells] Grzelakowska-Sztabert B. **Postepy Biochem** 1989; 35(4):543–61 (128 ref.) **(Pol)**

CHEMISTRY

Time-resolved fluorescence spectroscopy. Applications to calmodulin. Anderson SR. **J Biol Chem** 1991 Jun 25; 266(18):11405–8 (39 ref.)

METABOLISM

Role of Ca2+/calmodulin-dependent protein phosphorylation in signal transduction. Nairn AC. **Adv Second Messenger Phosphoprotein Res** 1990;24:202–5 (31 ref.)

Calmodulin mutants and Ca2(+)-dependent channels in Paramecium. Preston RR, et al. **Annu Rev Physiol** 1991; 53:309–19 (57 ref.)

Regulation of free calmodulin levels in neurons by neuromodulin: relationship to neuronal growth and regeneration. Estep RP, et al. **Curr Top Cell Regul** 1990; 31:161–80 (40 ref.)

GAP-43 as a 'calmodulin sponge' and some implications for calcium signalling in axon terminals. Skene JH. **Neurosci Res Suppl** 1990;13:S112–25 (50 ref.)

Calcium/calmodulin functions in P. falciparum in vitro--implications for antiprotozoal drug design. Scheibel LW, et al. **Prog Clin Parasitol** 1989;1:21–56 (172 ref.)

PHYSIOLOGY

Cell cycle control by calcium and calmodulin in Saccharomyces cerevisiae. Anraku Y, et al. **Biochim Biophys Acta** 1991 Jul 10;1093(2–3):169–77 (111 ref.)

Acid loops fail the acid test. Rose MD, et al. **Cell** 1991 Jun 14;65(6):919–20 (17 ref.)

Role of calmodulin in stimulus-secretion coupling. Thorn NA, et al. **Scand J Clin Lab Invest Suppl** 1990;202:133–5 (22 ref.)

Regulation of free calmodulin levels by neuromodulin: neuron growth and regeneration. Liu YC, et al. **Trends Pharmacol Sci** 1990 Mar;11(3):107–11 (38 ref.)

[Calcium kinetics in vascular smooth muscle cell] Gao YQ, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):305–9 (40 ref.) **(Chi)**

[Calcium-calmodulin and vasomotor activity] Lugnier C. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:25–34 (35 ref.) (Eng. Abstr.) **(Fre)**

CALMODULIN-BINDING PROTEINS

GENETICS

Caldesmon: fragments, sequence, and domain mapping. Bryan J. **Ann N Y Acad Sci** 1990;599:100–10 (39 ref.)

Genetic aspects of ion transport systems in hypertension. Bianchi G, et al. **J Hypertens Suppl** 1990 Dec;8(7):S213–8 (52 ref.)

METABOLISM

Regulation of ATP hydrolysis by caldesmon. A novel change in the interaction of myosin with actin. Chalovich JM, et al. **Ann N Y Acad Sci** 1990;599:85–99 (74 ref.)

PHYSIOLOGY

Caldesmon and the structure of vertebrate smooth muscle thin filaments. A minireview. Lehman W, et al. **Ann N Y Acad Sci** 1990;599:75–84 (42 ref.)

Regulation of free calmodulin levels in neurons by neuromodulin: relationship to neuronal growth and regeneration. Estep RP, et al. **Curr Top Cell Regul** 1990; 31:161–80 (40 ref.)

Caldesmon, a novel regulatory protein in smooth muscle and nonmuscle actomyosin systems. Sobue K, et al. **J Biol Chem** 1991 Jul 5;266(19):12115–8 (89 ref.)

Regulation of free calmodulin levels by neuromodulin: neuron growth and regeneration. Liu YC, et al. **Trends Pharmacol Sci** 1990 Mar;11(3):107–11 (38 ref.)

CALORIC INTAKE

Evaluation of the energy value of rabbit feeds: a critical review. Maertens L, et al. **Acta Vet Hung** 1990;38(3):153–63 (71 ref.)

Retardation of the aging processes in rats by food restriction. Masoro EJ, et al. **Ann N Y Acad Sci** 1991;621:337–52 (27 ref.)

Food restriction slows down age-related changes in cell membrane parameters. Pieri C. **Ann N Y Acad Sci** 1991; 621:353–62 (67 ref.)

Energy requirements in patients with renal failure. Hirschberg RR, et al. **Contrib Nephrol** 1990;81:124–35 (41 ref.)

Energy requirements of breast-fed infants. Butte NF, et al. **J Am Coll Nutr** 1991 Jun;10(3):190–5 (22 ref.)

Interrelationships between exogenous porcine somatotropin (PST) administration and dietary protein and energy intake on protein deposition capacity and energy metabolism of pigs. Campbell RG, et al. **J Anim Sci** 1991 Apr; 69(4):1522–31 (31 ref.)

Protein and energy requirements of animals treated with beta-adrenergic agonists: a discussion. Reeds PJ, et al. **J Anim Sci** 1991 Apr;69(4):1532–50 (99 ref.)

Diet composition, energy intake, and nutritional status in relation to obesity in men and women. Miller WC. **Med Sci Sports Exerc** 1991 Mar;23(3):280–4 (25 ref.)

Dietary modulation of experimental neoplastic development: role of fat and fiber content and calorie intake. Roberfroid MB. **Mutat Res** 1991 Mar–Apr;259(3–4):351–62 (61 ref.)

How accurate is self-reported dietary energy intake? Schoeller DA. **Nutr Rev** 1990 Oct;48(10):373–9 (29 ref.)

Aging: hypothalamic catecholamines, neuroendocrine-immune interactions, and dietary restriction. Meites J. **Proc Soc Exp Biol Med** 1990 Dec; 195(3):304–11 (60 ref.)

[Evaluation of sugar and sugar-containing foods as to their significance for energy and nutrient supply] Erbersdobler HF. **Z Ernahrungswiss** 1990;29 Suppl 1:16–20 (8 ref.) (Eng. Abstr.) **(Ger)**

[The effect of diet on the treatment of malignant diseases] Henriksson R, et al. **Nord Med** 1990;105(11):289–91 (15 ref.) (Eng. Abstr.) **(Swe)**

DRUG EFFECTS

[Regulation of food intake and the treatment of obesity using centrally-active serotonergic drugs] Pijl H, et al. **Ned Tijdschr Geneeskd** 1991 Apr 20;135(16):700–3 (42 ref.) **(Dut)**

PHYSIOLOGY

Dietary restriction as a probe of mechanisms of senescence. Masoro EJ, et al. **Annu Rev Gerontol Geriatr** 1990; 10:183–97 (57 ref.)

Energy balance, body size, and cancer. Albanes D. **Crit Rev Oncol Hematol** 1990;10(3):283–303 (245 ref.)

The role of calories and caloric restriction in carcinogenesis. Weindruch R, et al. **Hematol Oncol Clin North Am** 1991 Feb;5(1):79–89 (78 ref.)

Calories and cancer. Winick M. **Hematol Oncol Clin North Am** 1991 Feb;5(1):1–6 (24 ref.)

Nutritional therapy with regard to weight reduction in diabetes and hypertension. Dodson PM, et al. **J Diabetic Complications** 1990 Apr–Jun;4(2):91–3 (11 ref.)

CALORIMETRY

METHODS

Time-resolved photoacoustic calorimetry: a study of myoglobin and rhodopsin. Peters KS, et al. **Annu Rev Biophys Biophys Chem** 1991;20:343–62 (64 ref.)

Human energy metabolism: what have we learned from the doubly labeled water method? Schoeller DA, et al. **Annu Rev Nutr** 1991;11:355–73 (47 ref.)

["Tie" calorimetry: theory and experiment] Karapetian AT. **Mol Biol (Mosk)** 1991 Mar–Apr;25(2):325–36 (48 ref.) (Eng.

Abstr.) (Rus)

CALORIMETRY, INDIRECT

METHODS

Energy metabolism and indirect calorimetry in critically ill and injured patients. Bursztein S, et al. **Acute Care** 1988-89; 14-15:91-110 (38 ref.)

[Energy expenditure--indirect calorimetry] Adolph M, et al. **Klin Anasthesiol Intensivther** 1990;40:123-52 (56 ref.) (Ger)

CALORIMETRY, RESPIRATION see **CALORIMETRY, INDIRECT**

CALPAIN

ANTAGONISTS & INHIBITORS

Cell-penetrating inhibitors of calpain. Mehdi S. **Trends Biochem Sci** 1991 Apr;16(4):150-3 (27 ref.)

METABOLISM

Limited proteolysis of protein kinase C by calpain, its possible implication. Kishimoto A. **Adv Second Messenger Phosphoprotein Res** 1990;24:472-7 (16 ref.)

PHYSIOLOGY

Calpains (intracellular calcium-activated cysteine proteinases): structure-activity relationships and involvement in normal and abnormal cellular metabolism. Johnson P. **Int J Biochem** 1990;22(8):811-22 (186 ref.)

Calcium-activated neutral protease (calpain) system: structure, function, and regulation. Croall DE, et al. **Physiol Rev** 1991 Jul;71(3):813-47 (386 ref.)

CALSEQUESTRIN

CHEMISTRY

Intralumenal sarcoplasmic reticulum Ca(2+)-binding proteins. Cala SE, et al. **Semin Cell Biol** 1990 Aug; 1(4):265-75 (71 ref.)

CALSPECTIN see **CALMODULIN-BINDING PROTEINS**

CAMELLIA see **TEA**

CAMPIMETRY see **PERIMETRY**

CAMPING

Creating therapeutic camp and recreation programs for children with chronic illness and disabilities. Page CJ, et al. **Pediatrician** 1990;17(4):297-307 (3 ref.)

CAMPTOTHECIN

ANALOGS & DERIVATIVES

New natural products in cancer chemotherapy. Slichenmyer WJ, et al. **J Clin Pharmacol** 1990 Sep;30(9):770-88 (173 ref.)

[Combination cancer chemotherapy using a DNA topoisomerase inhibitor CPT-11, as a core agent--the in vitro evaluation] Oguro M, et al. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1556-61 (15 ref.) (Eng. Abstr.) (Jpn)

[Mechanisms of acquired resistance to DNA topoisomerase I inhibitors] Okada K, et al. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1562-7 (27 ref.) (Eng. Abstr.) (Jpn)

[DNA topoisomerase inhibitor as chemotherapeutic drug--clinical point of view] Taguchi T. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1574-8 (17 ref.) (Eng. Abstr.) (Jpn)

CAMPYLOBACTER

Campylobacter. Skirrow MB. **Lancet** 1990 Oct 13; 336(8720):921-3 (17 ref.)

CLASSIFICATION

Campylobacters associated with human diarrhoeal disease. Griffiths PL, et al. **J Appl Bacteriol** 1990 Sep;69(3):281-301 (248 ref.)

GROWTH & DEVELOPMENT

Sources and survival of campylobacters: relevance to enteritis and the food industry. Park RW, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:97S-106S (82 ref.)

Environmental aspects of Campylobacter infections. Stelzer W, et al. **Zentralbl Mikrobiol** 1991;146(1):3-15 (51 ref.)

ISOLATION & PURIFICATION

Epidemiology of Campylobacter enteritis. Skirrow MB. **Int J Food Microbiol** 1991 Jan;12(1):9-16 (39 ref.)

PATHOGENICITY

Campylobacter: pathogenicity and significance in foods. Butzler JP, et al. **Int J Food Microbiol** 1991 Jan;12(1):1-8 (29 ref.)

[Advances in the research of pathogenicity of Campylobacter pylori and epidemiology of its infection] Yang H, et al. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1990 Aug; 11(4):251-4 (37 ref.) (Chi)

[The role of Campylobacter pylori in lesions of the upper segments of the digestive tract in children] Shcherbakov PL. **Pediatriia** 1990;(8):99-105 (98 ref.) (Rus)

CAMPYLOBACTER FETUS

Campylobacter infection in the neonate: case report and review of the literature. Wong SN, et al. **Pediatr Infect Dis J** 1990 Sep;9(9):665-9 (39 ref.)

[Pericarditis caused by Campylobacter fetus fetus (letter)] Rojo P, et al. **Enferm Infecc Microbiol Clin** 1990 Nov; 8(9):593-5 (13 ref.) (Spa)

CAMPYLOBACTER INFECTIONS

[Pericarditis caused by Campylobacter fetus fetus (letter)] Rojo P, et al. **Enferm Infecc Microbiol Clin** 1990 Nov; 8(9):593-5 (13 ref.) (Spa)

CONGENITAL

Campylobacter infection in the neonate: case report and review of the literature. Wong SN, et al. **Pediatr Infect Dis J** 1990 Sep;9(9):665-9 (39 ref.)

DRUG THERAPY

Use of quinolones in the treatment of gastrointestinal infections. DuPont HL. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):325-9 (46 ref.)

EPIDEMIOLOGY

Epidemiology of Campylobacter enteritis. Skirrow MB. **Int J Food Microbiol** 1991 Jan;12(1):9-16 (39 ref.)

Epidemiologic aspects of shigellosis and other causes of dysentery in Thailand. Taylor DN, et al. **Rev Infect Dis** 1991 Mar-Apr;13 Suppl 4:S226-30 (28 ref.)

[Advances in the research of pathogenicity of Campylobacter pylori and epidemiology of its infection] Yang H, et al. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1990 Aug; 11(4):251-4 (37 ref.) (Chi)

[Epidemiology and diagnosis of Helicobacter pylori infection] Kist M. **Z Gastroenterol Verh** 1991 Mar;26:286-9 (25 ref.) (Ger)

ETIOLOGY

[The role of Campylobacter pylori in lesions of the upper segments of the digestive tract in children] Shcherbakov PL. **Pediatriia** 1990;(8):99-105 (98 ref.) (Rus)

MICROBIOLOGY

Campylobacter: pathogenicity and significance in foods. Butzler JP, et al. **Int J Food Microbiol** 1991 Jan;12(1):1-8 (29 ref.)

Campylobacters associated with human diarrhoeal disease. Griffiths PL, et al. **J Appl Bacteriol** 1990 Sep;69(3):281-301 (248 ref.)

Sources and survival of campylobacters: relevance to enteritis and the food industry. Park RW, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:97S-106S (82 ref.)

Environmental aspects of Campylobacter infections. Stelzer W, et al. **Zentralbl Mikrobiol** 1991;146(1):3-15 (51 ref.)

[Helicobacter pylori infection: a facilitator of stomach cancer?] Cooreman MP, et al. **Z Gastroenterol Verh** 1991 Mar;26:284-6 (30 ref.) (Ger)

[Virulence factors of Helicobacter pylori and pathomechanisms of mucosal damage] Raedsch R. **Z Gastroenterol Verh** 1991 Mar;26:281-2 (14 ref.) (Ger)

TRANSMISSION

Campylobacter. Skirrow MB. **Lancet** 1990 Oct 13; 336(8720):921-3 (17 ref.)

VETERINARY

[Occurrence and significance of different Campylobacter types in domestic animals in Hungary] Varga J. **DTW Dtsch Tierarztl Wochenschr** 1990 Aug;97(8):317-21 (29 ref.) (Eng. Abstr.) (Ger)

CAMPYLOBACTER JEJUNI

PATHOGENICITY

Campylobacter: pathogenicity and significance in foods. Butzler JP, et al. **Int J Food Microbiol** 1991 Jan;12(1):1-8 (29 ref.)

CAMPYLOBACTER PYLORI see **HELICOBACTER PYLORI**

CAMURATI-ENGELMANN SYNDROME see **DIAPHYSEAL DYSPLASIA, PROGRESSIVE**

CANCER see **NEOPLASMS**

CANCER-ASSOCIATED CARBOHYDRATE ANTIGENS see **ANTIGENS, TUMOR-ASSOCIATED, CARBOHYDRATE**

CANCER CARE FACILITIES

ORGANIZATION & ADMINISTRATION

A population-based cancer prevention research unit. Henderson MM. **Cancer Detect Prev** 1991;15(1):17-9 (0 ref.)

Role of the community hospital in cancer research. Cohen GI, et al. **Md Med J** 1990 Oct;39(10):953-7 (18 ref.)

Cure and care: interaction between cancer centers and palliative care units. MacDonald N. **Recent Results Cancer Res** 1991;121:399-407 (12 ref.)

STANDARDS

Quality assurance in a nuclear medicine department. Lamki LM, et al. **Radiology** 1990 Dec;177(3):609-14 (11 ref.)

CANCER GENES see **ONCOGENES**

CANCER STAGING see **NEOPLASM STAGING**

CANCER SYNDROMES, HEREDITARY see **NEOPLASTIC SYNDROMES, HEREDITARY**

CANDIDA

CLASSIFICATION

Endophthalmitis caused by non-albicans species of Candida. Joshi N, et al. **Rev Infect Dis** 1991 Mar-Apr;13(2):281-7 (61 ref.)

ENZYMOLOGY

Cleavage of immunoglobulins by pathogenic yeasts of the genus Candida. Rüchel R. **Microbiol Sci** 1986 Oct; 3(10):316-9 (28 ref.)

GENETICS

Some recent developments in the molecular biology of medically important Candida. Riggsby WS. **Microbiol Sci** 1985 Sep;2(9):257-8, 261-3 (32 ref.)

GROWTH & DEVELOPMENT

Diagnostic laboratory techniques in vaginal candidosis. Evans EG. **Br J Clin Pract Symp Suppl** 1990 Sep;71:70-2 (8 ref.)

IMMUNOLOGY

Candida mannan: chemistry, suppression of cell-mediated immunity, and possible mechanisms of action. Nelson RD, et al. **Clin Microbiol Rev** 1991 Jan;4(1):1-19 (200 ref.)

ISOLATION & PURIFICATION

[The laboratory diagnosis of deep localized candidiasis] Müller J. **Mycoses** 1990;33 Suppl 1:7-13 (10 ref.) (Eng. Abstr.) (Ger)

METABOLISM

[Pathogenetic aspects of diagnosis and prevention of pathological conditions caused by products of microbiological synthesis (review of the literature)] Shleĭkin AG. **Gig Sanit** 1990 Aug;(8):45-8 (55 ref.) (Rus)

PATHOGENICITY

Pathogenicity determinants of Candida. Ghannoum MA, et al. **Mycoses** 1990 Jun;33(6):265-82 (117 ref.)

CANDIDA ALBICANS

ANALYSIS

An overview of lipids of Candida albicans. Mishra P, et al. **Prog Lipid Res** 1990;29(2):65-85 (117 ref.)

CLASSIFICATION

Candida albicans strain delineation. Merz WG. **Clin Microbiol Rev** 1990 Oct;3(4):321-34 (122 ref.)

A critical review of typing methods for Candida albicans and their applications. Hunter PR. **Crit Rev Microbiol** 1991; 17(6):417-34 (138 ref.)

CYTOLOGY

Fungal cell adhesion molecules in Candida albicans. Tronchin G, et al. **Eur J Epidemiol** 1991 Jan;7(1):23-33 (65 ref.)

GENETICS

Genetics of Candida albicans. Scherer S, et al. **Microbiol Rev** 1990 Sep;54(3):226-41 (144 ref.)

IMMUNOLOGY

Role of tumor necrosis factor and colony-stimulating factors

in phagocyte function against Candida albicans. Djeu JY. **Diagn Microbiol Infect Dis** 1990 Sep-Oct;13(5):383-6 (14 ref.)
Antigenic structure of Candida albicans. Immunochemical basis of the serologic specificity of the mannans in yeasts. Fukazawa Y. **Immunol Ser** 1989;47:37-62 (60 ref.)
Antigenic structure of Candida albicans. Electronmicroscopic localization of polysaccharide and immunodeterminants in the cell wall. Garzon S, et al. **Immunol Ser** 1989;47:3-36 (103 ref.)
Interaction of complement with HIV-1 and Candida albicans: molecular mechanisms and biological implications. Dierich MP, et al. **Mol Immunol** 1990 Dec;27(12):1349-53 (58 ref.)
[Antigenic preparations for the immunodiagnosis of candidiasis] Karaev ZO, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Jul;(7):104-10 (36 ref.) **(Rus)**

ISOLATION & PURIFICATION

Mixed salivary glucose levels and candidal carriage in patients with diabetes mellitus. Darwazeh AM, et al. **J Oral Pathol Med** 1991 Jul;20(6):280-3 (26 ref.)

METABOLISM

Adherence and receptor relationships of Candida albicans. Calderone RA, et al. **Microbiol Rev** 1991 Mar;55(1):1-20 (168 ref.)

PATHOGENICITY

Adhesion of pathogenic Candida species to host surfaces. Douglas LJ. **Microbiol Sci** 1985 Aug;2(8):243-7 (34 ref.)
Pathogenicity determinants of Candida. Ghannoum MA, et al. **Mycoses** 1990 Jun;33(6):265-82 (117 ref.)
[Candidiasis: molecular basis of parasitic adaptation of opportunistic pathogenic protists] Poulain D. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:125-30 (15 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Relationship between intestinal microecology and the translocation of intestinal bacteria. Wells CL. **Antonie Van Leeuwenhoek** 1990 Aug;58(2):87-93 (30 ref.)

CANDIDIASIS

Candida esophagitis. Haulk AA, et al. **Adv Intern Med** 1991; 36:307-18 (33 ref.)
Late recurrent Candida endocarditis. Johnston PG, et al. **Chest** 1991 Jun;99(6):1531-3 (17 ref.)
Vertebral Candida infections. A case report and review of the literature. Almekinders LC, et al. **Clin Orthop** 1991 Jun;(267):174-8 (26 ref.)
Neonatal candidiasis: the current challenge. Baley JE. **Clin Perinatol** 1991 Jun;18(2):263-80 (123 ref.)
Fungal infections in pediatric patients. Bosso JA. **Pharmacotherapy** 1990;10(6 (Pt 3)):150S-153S (24 ref.)
Candida sepsis in pregnancy and the postpartum period. Potasman I, et al. **Rev Infect Dis** 1991 Jan-Feb;13(1):146-9 (25 ref.)
Candidemia and systemic candidiasis. Sobel JD, et al. **Semin Respir Infect** 1990 Jun;5(2):123-37 (85 ref.)
[Infective endocarditis: a changing disease] Venditti M, et al. **Medicina (Firenze)** 1990 Oct-Dec;10(4):373-85 (76 ref.) (Eng. Abstr.) **(Ita)**

COMPLICATIONS

[Meningitis caused by Candida tropicalis in a patient infected with human immunodeficiency virus (letter)] Sánchez Rodríguez A, et al. **Enferm Infecc Microbiol Clin** 1990 Nov; 8(9):588-9 (10 ref.) **(Spa)**

DIAGNOSIS

Somatization disorder and the chronic candidiasis syndrome: a possible overlap. Cater RE 2d. **Med Hypotheses** 1991 Jun;35(2):126-35 (50 ref.)
[Laboratory diagnosis in deep Candida infections] Michel MF, et al. **Ned Tijdschr Geneeskd** 1991 Jun 29; 135(26):1170-4 (24 ref.) **(Dut)**
[The laboratory diagnosis of deep localized candidiasis] Müller J. **Mycoses** 1990;33 Suppl 1:7-13 (10 ref.) (Eng. Abstr.) **(Ger)**
[Antigenic preparations for the immunodiagnosis of candidiasis] Karaev ZO, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Jul;(7):104-10 (36 ref.) **(Rus)**

DRUG THERAPY

Candida endocarditis: successful medical management in three preterm infants and review of the literature. Sánchez PJ, et al. **Pediatr Infect Dis J** 1991 Mar;10(3):239-43 (30 ref.)
[Candida spondylodiscitis. Report of 2 personal cases and 28 cases from the literature] Collet P, et al. **Rev Med Interne** 1989 Sep-Oct;10(5):413-9 (31 ref.) (Eng. Abstr.) **(Fre)**
[The significance of fluconazole (diflucan) in the therapy and prevention of candidiasis and cryptococcosis] Müller J. **Mycoses** 1990;33 Suppl 1:65-7 (4 ref.) **(Ger)**

ENZYMOLOGY

Cleavage of immunoglobulins by pathogenic yeasts of the genus Candida. Rüchel R. **Microbiol Sci** 1986 Oct; 3(10):316-9 (28 ref.)

ETIOLOGY

Pathogenesis of human mycoses: role of adhesion to host surfaces. Segal E. **Microbiol Sci** 1987 Nov;4(11):344-7 (42 ref.)
Focal Candida hepatitis in a patient with Richter's syndrome. Barone JG, et al. **N J Med** 1990 Sep;87(9):727-9 (14 ref.)
Candida albicans shunt infection. Shapiro S, et al. **Pediatr Neurosci** 1989;15(3):125-30 (20 ref.)
Candida and Aspergillus infections in immunocompromised patients: an overview. Saral R. **Rev Infect Dis** 1991 May-Jun;13(3):487-92 (30 ref.)
[Pathogenetic aspects of diagnosis and prevention of pathological conditions caused by products of microbiological synthesis (review of the literature)] Shleĭkin AG. **Gig Sanit** 1990 Aug;(8):45-8 (55 ref.) **(Rus)**

IMMUNOLOGY

Candida mannan: chemistry, suppression of cell-mediated immunity, and possible mechanisms of action. Nelson RD, et al. **Clin Microbiol Rev** 1991 Jan;4(1):1-19 (200 ref.)
Genetic regulation of pathogenesis and host responses in fungal infection. Ashman RB, et al. **Immunol Ser** 1989; 47:347-71 (60 ref.)
Immunomodulation in response to Candida. Domer JE, et al. **Immunol Ser** 1989;47:293-317 (103 ref.)
Humoral immune response to Candida albicans. Jones JM. **Immunol Ser** 1989;47:375-400 (102 ref.)
What's new in the mechanisms of host resistance to Candida albicans infection? Ashman RB, et al. **Pathol Res Pract** 1990 Aug;186(4):527-34 (88 ref.)

MICROBIOLOGY

Candida albicans strain delineation. Merz WG. **Clin Microbiol Rev** 1990 Oct;3(4):321-34 (122 ref.)
Genetics of Candida albicans. Scherer S, et al. **Microbiol Rev** 1990 Sep;54(3):226-41 (144 ref.)
Pathogenicity determinants of Candida. Ghannoum MA, et al. **Mycoses** 1990 Jun;33(6):265-82 (117 ref.)
Endophthalmitis caused by non-albicans species of Candida. Joshi N, et al. **Rev Infect Dis** 1991 Mar-Apr;13(2):281-7 (61 ref.)
[Candidiasis: molecular basis of parasitic adaptation of opportunistic pathogenic protists] Poulain D. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:125-30 (15 ref.) (Eng. Abstr.) **(Fre)**
[Microbial spectrum and microbiological diagnosis of infectious endocarditis] [see comments] Schubert S, et al. **Immun Infekt** 1991 Apr;19(2):38-41 (43 ref.) (Eng. Abstr.) Comment in: Immun Infekt 1991 Apr;19(2):37. **(Ger)**
[Papillary necrosis and formation of fungal balls in a patient with AIDS: a clinical case and brief review] López Aramburu MA, et al. **Actas Urol Esp** 1990 Sep-Oct; 14(5):371-3 (10 ref.) (Eng. Abstr.) **(Spa)**
[Neonatal systemic candidiasis] Flores Antón B, et al. **An Esp Pediatr** 1990 Dec;33(6):518-22 (20 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Pathogenesis and morphogenesis of candidiasis in immunosuppression] Bykov VL. **Arkh Patol** 1990; 52(11):67-70 (67 ref.) (Eng. Abstr.) **(Rus)**

TRANSMISSION

Congenital cutaneous candidiasis: report of four cases and review of the literature. Almeida Santos L, et al. **Eur J Pediatr** 1991 Mar;150(5):336-8 (19 ref.)

CANDIDIASIS, CUTANEOUS

CONGENITAL

Congenital cutaneous candidiasis: report of four cases and review of the literature. Almeida Santos L, et al. **Eur J Pediatr** 1991 Mar;150(5):336-8 (19 ref.)

CANDIDIASIS, ORAL

COMPLICATIONS

Oral candidosis in HIV-infected patients. Gazzard BG, et al. **Br J Clin Pract Symp Suppl** 1990 Sep;71:103-8 (25 ref.)
[HIV infection. The prognostic value of buccal candidiasis and hairy leukoplakia in HIV infection. A critical and comparative analysis] Samson J, et al. **Schweiz Monatsschr Zahnmed** 1991;101(8):1026-32 (16 ref.) **(Fre)**

DRUG THERAPY

Treatment of oral candidosis with itraconazole: a review. Blatchford NR. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 2):565-7 (10 ref.)
Diagnosis and treatment of oral candidosis. Lewis MA, et al. **J Oral Maxillofac Surg** 1991 Sep;49(9):996-1002 (54 ref.)

PATHOLOGY

Suppurative oral candidosis. Review of the literature and report of a case. McManners J, et al. **Int J Oral Maxillofac Surg** 1990 Oct;19(5):257-9 (15 ref.)
Diagnosis and treatment of oral candidosis. Lewis MA, et al. **J Oral Maxillofac Surg** 1991 Sep;49(9):996-1002 (54 ref.)

CANDIDIASIS, VULVOVAGINAL

Vaginitis syndromes. Schaeffer AJ. **Semin Urol** 1991 Feb; 9(1):9-14 (15 ref.)

DIAGNOSIS

Diagnostic laboratory techniques in vaginal candidosis. Evans EG. **Br J Clin Pract Symp Suppl** 1990 Sep;71:70-2 (8 ref.)

DRUG THERAPY

Chronic vulvovaginal candidosis: the role of oral treatment. Merkus JM, et al. **Br J Clin Pract Symp Suppl** 1990 Sep; 71:81-4 (31 ref.)
Drugs for treatment of vulvovaginal candidiasis: comparative efficacy of agents and regimens. Doering PL, et al. **DICP** 1990 Nov;24(11):1078-83 (71 ref.)
Treatment of vaginal candidiasis: orally or vaginally? Merkus JM. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 2):568-72 (10 ref.)
Individualizing treatment of vaginal candidiasis. Sobel JD. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 2):572-6 (21 ref.)
[Problems of vaginal candidiasis. III. The trends in current antimycotic therapy] Zlatkov V, et al. **Akush Ginekol (Sofiia)** 1990;29(6):54-8 (24 ref.) **(Bul)**

IMMUNOLOGY

[The problems of vaginal candidiasis. II. Protective mechanisms and the role of laboratory diagnosis] Kantardzhiev T, et al. **Akush Ginekol (Sofiia)** 1990; 29(4):71-4 (20 ref.) **(Bul)**

CANES

STANDARDS

Canes, crutches and walkers. Joyce BM, et al. **Am Fam Physician** 1991 Feb;43(2):535-42 (20 ref.)

CANINE TOOTH see **CUSPID**

CANKER SORE see **STOMATITIS, APHTHOUS**

CANNABINOIDS

ADVERSE EFFECTS

Genetic effects of marijuana. Zimmerman S, et al. **Int J Addict** 1990-91;25(1A):19-33 (67 ref.)

CHEMICAL SYNTHESIS

Nonpsychotropic synthetic cannabinoids as therapeutic agents. Mechoulam R, et al. **Farmaco** 1991 Jan;46(1 Suppl):267-76 (17 ref.)

METABOLISM

Classical and nonclassical cannabinoids: mechanism of action---brain binding. Howlett AC, et al. **NIDA Res Monogr** 1990;96:100-11 (42 ref.)
The cannabinoid receptor: biochemical, anatomical and behavioral characterization. Howlett AC, et al. **Trends Neurosci** 1990 Oct;13(10):420-3 (42 ref.)
Reverse pharmacology applied to the cannabinoid receptor. Howlett AC. **Trends Pharmacol Sci** 1990 Oct;11(10):395-7 (35 ref.)

PHARMACOLOGY

The molecular basis of cannabinoid activity. Makriyannis A, et al. **Life Sci** 1990;47(24):2173-84 (77 ref.)
Cannabinoids and the hippocampal glucocorticoid receptor: recent findings and possible significance. Eldridge JC, et al. **Steroids** 1991 May;56(5):226-31 (50 ref.)

TOXICITY

Immunosuppression by marihuana and its cannabinoid constituents. Levy JA, et al. **J Immunopharmacol** 1980; 2(2):159-77 (55 ref.)

CANNABIS

see related
CANNABINOIDS

Animal models of opiate, cocaine, and cannabis use. Hutchings DE, et al. **Clin Perinatol** 1991 Mar;18(1):1-22 (55 ref.)
Immunosuppression by marihuana and its cannabinoid constituents. Levy JA, et al. **J Immunopharmacol** 1980; 2(2):159-77 (55 ref.)
Chemistry and pharmacology of cannabis. Seth R, et al. **Prog Drug Res** 1991;36:71-115 (324 ref.)

CANNABIS ABUSE see **MARIJUANA ABUSE**

CANNULATION see CATHETERIZATION

CANRENONE

PHARMACOLOGY

[Arguments for the existence of an endogenous inhibitor of renal Na–K ATPase with steroid structure and natriuretic action] Krzesinski JM, et al. **Arch Mal Coeur** 1990 Jul; 83(8):1229–31 (13 ref.) (Eng. Abstr.) **(Fre)**

CAOUTCHOUC see RUBBER

CAPD see PERITONEAL DIALYSIS, CONTINUOUS AMBULATORY

CAPGRAS SYNDROME

DIAGNOSIS

Reduplication and the syndrome of Capgras. Weinstein EA, et al. **Psychiatry** 1991 Feb;54(1):78–88 (60 ref.)

PSYCHOLOGY

Accounting for delusional misidentifications. Ellis HD, et al. **Br J Psychiatry** 1990 Aug;157:239–48 (67 ref.)

[Psychopathology of person misidentification—a multidimensional concept] Koehler K, et al. **Fortschr Neurol Psychiatr** 1990 Aug;58(8):310–6 (25 ref.) (Eng. Abstr.) **(Ger)**

CAPILLARIA

GROWTH & DEVELOPMENT

Intestinal capillariasis. Cross JH, et al. **Prog Clin Parasitol** 1989;1:105–19 (27 ref.)

CAPILLARIES

PATHOLOGY

Thrombotic microangiopathy. Kwaan HC. **Adv Exp Med Biol** 1990;281:367–75 (73 ref.)

Pathobiology of endothelial and other vascular cells in diabetes mellitus. Call for data. Lorenzi M, et al. **Diabetes** 1991 Jun;40(6):653–9 (99 ref.)

[Capillaroscopic observation in angiologic diagnosis] Marinel-lo J, et al. **Angiologia** 1990 Jul–Aug;42(4):138–47 (34 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Poiseuille Medal lecture. Capillary flow: past, present, and future. Skalak R. **Biorheology** 1990;27(3–4):277–93 (41 ref.)

Heterogeneity of capillary perfusion. Gaehtgens P. **Blood Vessels** 1991;28(1–3):197–200 (15 ref.)

The role of the transcapillary insulin transport in the efficiency of insulin action: studies with glucose clamps and the minimal model. Bergman RN, et al. **Horm Metab Res Suppl** 1990;24:49–56 (34 ref.)

ULTRASTRUCTURE

Relationship between microvascular permeability and ultrastructure. Clough G. **Prog Biophys Mol Biol** 1991; 55(1):47–69 (108 ref.)

Kidney structure investigations using scanning electron microscopy of corrosion casts—a state of the art review. Ditrich H, et al. **Scanning Microsc** 1990 Dec;4(4):943–56 (92 ref.)

CAPILLARY ENDOTHELIUM see ENDOTHELIUM, VASCULAR

CAPILLARY PERMEABILITY

Control of brain endothelial permeability. Abbott NJ, et al. **Cerebrovasc Brain Metab Rev** 1991 Spring;3(1):39–72 (215 ref.)

Plasma exudation as a first line respiratory mucosal defence. Persson CG, et al. **Clin Exp Allergy** 1991 Jan;21(1):17–24 (40 ref.)

Relationship between microvascular permeability and ultrastructure. Clough G. **Prog Biophys Mol Biol** 1991; 55(1):47–69 (108 ref.)

[Allergic reaction and vascular permeability (corrected and republished article originally printed in Allerg Immunol (Paris) 1990 Sep;22(7):265–70)] Rihoux JP. **Allerg Immunol (Paris)** 1990 Dec;22(10):428–33 (36 ref.) (Eng. Abstr.) **(Fre)**

[Vascular permeability and lymphatic circulation] Nagasaka Y. **Kokyu To Junkan** 1991 May;39(5):431–7 (56 ref.) **(Jpn)**

DRUG EFFECTS

Interleukin-2–induced lung permeability is mediated by leukotriene B4. Klausner JM, et al. **Cancer** 1990 Dec 1; 66(11):2357–64 (38 ref.)

The hamster cheek pouch as a model in microcirculation research. Svensjö E. **Eur Respir J Suppl** 1990 Dec; 12:595s–600s; discussion 600s–601s (26 ref.)

PHYSIOLOGY

The ultrastructure and permeability of tracheobronchial blood vessels in health and disease. McDonald DM. **Eur Respir J Suppl** 1990 Dec;12:572s–585s (103 ref.)

[Theory of microcirculation. 2. Problems of microcirculation from the viewpoint of the new theoretical concept] Petrow JM. **Z Gesamte Inn Med** 1990 Sep 15;45(18):535–40 (24 ref.) (Eng. Abstr.) **(Ger)**

[Theory of microcirculation. 1: Misinterpretations in Starling's hypothesis of microcirculation] Petrow JM. **Z Gesamte Inn Med** 1990 Sep 15;45(18):531–5 (24 ref.) **(Ger)**

CAPILLARY RESISTANCE

PHYSIOLOGY

[Theory of microcirculation. 1: Misinterpretations in Starling's hypothesis of microcirculation] Petrow JM. **Z Gesamte Inn Med** 1990 Sep 15;45(18):531–5 (24 ref.) **(Ger)**

[Theory of microcirculation. 2. Problems of microcirculation from the viewpoint of the new theoretical concept] Petrow JM. **Z Gesamte Inn Med** 1990 Sep 15;45(18):535–40 (24 ref.) (Eng. Abstr.) **(Ger)**

CAPITALISM see POLITICAL SYSTEMS

CAPPING, RECEPTOR see RECEPTOR AGGREGATION

CAPRINE ARTHRITIS-ENCEPHALITIS VIRUS

Ovine progressive pneumonia, caprine arthritis–encephalitis, and related lentiviral diseases of sheep and goats. Bulgin MS. **Vet Clin North Am Food Anim Pract** 1990 Nov; 6(3):691–704 (60 ref.)

CAPROLACTAM

TOXICITY

[The toxicology of caprolactam—a pollutant of water and food (a review)] Sheftel' VO. **Gig Sanit** 1990 Oct;(10):33–4 (17 ref.) **(Rus)**

CAPSAICIN

ANALOGS & DERIVATIVES

Resiniferatoxin and its analogs provide novel insights into the pharmacology of the vanilloid (capsaicin) receptor. Szallasi A, et al. **Life Sci** 1990;47(16):1399–408 (45 ref.)

ANTAGONISTS & INHIBITORS

Ruthenium red as a capsaicin antagonist. Amann R, et al. **Life Sci** 1991;49(12):849–56 (60 ref.)

PHARMACOLOGY

The dual function of capsaicin-sensitive sensory nerves in the bladder and urethra. Maggi CA. **Ciba Found Symp** 1990; 151:77–83; discussion 83–90 (21 ref.)

Capsaicin and primary afferent neurons: from basic science to human therapy? Maggi CA. **J Auton Nerv Syst** 1991 Apr;33(1):1–14 (93 ref.)

Resiniferatoxin and its analogs provide novel insights into the pharmacology of the vanilloid (capsaicin) receptor. Szallasi A, et al. **Life Sci** 1990;47(16):1399–408 (45 ref.)

Recent advances in research on sensory peptides and capsaicin mechanisms. A conference report. Maggi CA, et al. **Neurosci Lett** 1991 Jan 28;122(2):199–201 (9 ref.)

Capsaicin: cellular targets, mechanisms of action, and selectivity for thin sensory neurons. Holzer P. **Pharmacol Rev** 1991 Jun;43(2):143–201 (582 ref.)

Cardiac nociceptive reflexes: role of kinins, prostanoids and capsaicin-sensitive afferents. Staszewska-Woolley J, et al. **Pol J Pharmacol Pharm** 1990 May–Jun;42(3):237–47 (39 ref.)

A role for cyclic GMP in the initiation of cardiac pressor reflexes by bradykinin and capsaicin. Woolley G, et al. **Pol J Pharmacol Pharm** 1990 May–Jun;42(3):249–57 (22 ref.)

Pharmacology of inhaled capsaicin in humans. Fuller RW. **Respir Med** 1991 Jan;85 Suppl A:31–4 (29 ref.)

Mechanism of capsaicin action: recent learnings. O'Neill TP. **Respir Med** 1991 Jan;85 Suppl A:35–41 (61 ref.)

[Capsaicin-induced mouse ear edema and its management] Gábor M, et al. **Orv Hetil** 1991 Jun 23;132(25):1373–6 (19 ref.) (Eng. Abstr.) **(Hun)**

THERAPEUTIC USE

Capsaicin in dermatologic disease. Bernstein JE. **Semin Dermatol** 1988 Dec;7(4):304–9 (55 ref.)

CAPSICUM

Capsicum—production, technology, chemistry, and quality. Part V. Impact on physiology, pharmacology, nutrition, and metabolism; structure, pungency, pain, and desensitization sequences. Govindarajan VS, et al. **Crit Rev Food Sci Nutr** 1991;29(6):435–74 (173 ref.)

CAPSID

METABOLISM

Background paper. Functions of the coronavirus nucleocapsid protein. Masters PS, et al. **Adv Exp Med Biol** 1990;276:235–8 (15 ref.)

Specific interaction between RNA phage coat proteins and RNA. Witherell GW, et al. **Prog Nucleic Acid Res Mol Biol** 1991;40:185–220 (196 ref.)

PHYSIOLOGY

The synthesis and structure of comovirus capsids. Lomonossoff GP, et al. **Prog Biophys Mol Biol** 1991; 55(2):107–37 (130 ref.)

ULTRASTRUCTURE

Functional aspects of the capsid structure of Mengo virus. Scraba DG. **J Struct Biol** 1990 Jul–Sep;104(1–3):52–62 (66 ref.)

CAPSID PROTEINS see CAPSID

CAPSULES

CHEMISTRY

Microencapsulation using emulsification/solvent evaporation: an overview of techniques and applications. Watts PJ, et al. **Crit Rev Ther Drug Carrier Syst** 1990; 7(3):235–59 (84 ref.)

CAPTOPRIL

ADVERSE EFFECTS

Clinical characteristics of angiotensin-converting enzyme inhibitor-induced angioedema. Roberts JR, et al. **Ann Emerg Med** 1991 May;20(5):555–8 (17 ref.)

Captopril-induced lichenoid eruption in an uremic patient [letter] Pascual J, et al. **Nephron** 1990;56(1):110–2 (10 ref.)

[Acute and reversible interstitial granulomatous nephropathy after treatment with captopril] Islam S, et al. **Rev Med Interne** 1990 May–Jun;11(3):231–3 (11 ref.) (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

The Captopril–Digoxin Multicenter Research Group study on the comparative steps of captopril and digoxin in patients with mild–moderate heart failure: implications for therapy. Pitt B, et al. **Cardiovasc Drugs Ther** 1989 Mar; 3(1):7–9 (14 ref.)

Comparison of lisinopril and captopril in the treatment of left ventricular congestive heart failure—influence of duration of action on efficacy and safety. Giles TD. **Z Kardiol** 1991;80 Suppl 2:35–9 (15 ref.)

[Captopril—new additional applications] Shachar A, et al. **Harefuah** 1990 Nov 1;119(9):280–2 (37 ref.) **(Heb)**

CARASSIUS AURATUS see GOLDFISH

CARASSIUS CARASSIUS see CARP

CARBAMAZEPINE

ADMINISTRATION & DOSAGE

[Carbamazepine in the treatment of psychiatric diseases: effects and side effects] Rittmannsberger H. **Wien Med Wochenschr** 1990 Aug 15;140(15):398–404 (100 ref.) (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Lymphoproliferative disorders associated with carbamazepine. Katzin WE, et al. **Arch Pathol Lab Med** 1990 Dec;114(12):1244–8 (52 ref.)

A review of carbamazepine's hematologic reactions and monitoring recommendations. Sobotka JL, et al. **DICP** 1990 Dec;24(12):1214–9 (89 ref.)

Risk–benefit assessment of carbamazepine in children. Seetharam MN, et al. **Drug Saf** 1991 Mar–Apr;6(2):148–58 (59 ref.)

Spina bifida in infants of women treated with carbamazepine during pregnancy [see comments] Rosa FW. **N Engl J Med** 1991 Mar 7;324(10):674–7 (26 ref.) Comment in: N Engl J Med 1991 Mar 7;324(10):690–1.

CONTRAINDICATIONS

Neurobehavioral effects of phenytoin, carbamazepine, and valproic acid: implications for use in traumatic brain injury. Massagli TL. **Arch Phys Med Rehabil** 1991 Mar; 72(3):219–26 (54 ref.)

PHARMACOKINETICS

[Clinical pharmacokinetics of carbamazepine] Kanarkowski R, et al. **Psychiatr Pol** 1989 Sep–Dec;23(5–6):379–86 (58 ref.) **(Pol)**

PHARMACOLOGY

Principles of clinically important drug interactions with

carbamazepine. Part I. Ketter TA, et al. **J Clin Psychopharmacol** 1991 Jun;11(3):198–203 (0 ref.)

THERAPEUTIC USE

The clinical uses and pharmacology of carbamazepine in psychiatry. Elphick M. **Int Clin Psychopharmacol** 1988 Jul; 3(3):185–203 (120 ref.)

Antiepileptic drugs for children: carbamazepine and valproic acid derivatives. Kiker M. **J Neurosci Nurs** 1991 Apr; 23(2):130–2 (9 ref.)

Carbamazepine treatment of psychosis. Implications for patient welfare and nursing practice. Norris AE, et al. **J Psychosoc Nurs Ment Health Serv** 1990 Dec;28(12):13–8 (15 ref.)

The newer antiepileptic drugs: carbamazepine and valproic acid. Mikati M. **Pediatr Ann** 1991 Jan;20(1):34–40 (17 ref.)

[Carbamazepine in the treatment of mania and prevention of recurrence of manic–depressive disorders] Finzen A. **Psychiatr Prax** 1991 Jan;18(1):1–8 (41 ref.) (Eng. Abstr.) **(Ger)**

CARBOCYSTEINE

ADMINISTRATION & DOSAGE

[Carbocysteine–sobrerol combination and exacerbation of chronic bronchitis] Pasturenzi L, et al. **Arch Monaldi Mal Torace** 1988 Nov–Dec;43(6):487–505 (45 ref.) (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

[Carbocysteine in catarrhal ORL diseases] Bébéar JP, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(5):499–501 (8 ref.) (Eng. Abstr.) **(Fre)**

CARBOHYDRATE ANTIGENS, TUMOR-ASSOCIATED see **ANTIGENS, TUMOR-ASSOCIATED, CARBOHYDRATE**

CARBOHYDRATE CONFORMATION

[Conformational aspects of glycosylation] Avanov AIa. **Mol Biol (Mosk)** 1991 Mar–Apr;25(2):293–308 (101 ref.) (Eng. Abstr.) **(Rus)**

CARBOHYDRATE ISOMERASES

DEFICIENCY

Galactose disorders: an overview. Holton JB. **J Inherited Metab Dis** 1990;13(4):476–86 (39 ref.)

CARBOHYDRATE LINKAGE see **CARBOHYDRATE CONFORMATION**

CARBOHYDRATE METABOLISM, INBORN ERRORS

ENZYMOLOGY

[Galactosialidosis—clinical feature] Miyashita K, et al. **No To Shinkei** 1991 Mar;43(3):205–14 (68 ref.) **(Jpn)**

GENETICS

Disorders of glycoprotein degradation. Cantz M, et al. **J Inherited Metab Dis** 1990;13(4):523–37 (38 ref.)

CARBOHYDRATE SEQUENCE

Radioactive tracer techniques in the sequencing of glycoprotein oligosaccharides. Varki A. **FASEB J** 1991 Feb;5(2):226–35 (80 ref.)

CARBOHYDRATES

Chemistry and developments of fluorinated carbohydrates. Tsuchiya T. **Adv Carbohydr Chem Biochem** 1990;48:91–277 (864 ref.)

[Can one become dependent on sugar?] Pudel V. **Z Ernahrungswiss** 1990;29 Suppl 1:62–6 (13 ref.) (Eng. Abstr.) **(Ger)**

ANALYSIS

Delimitation problems in definition and analysis of dietary fiber. Asp NG. **Adv Exp Med Biol** 1990;270:227–36 (30 ref.)

The carbohydrate diversity of human respiratory mucins: a protection of the underlying mucosa? Lamblin G, et al. **Am Rev Respir Dis** 1991 Sep;144(3 Pt 2):S19–24 (44 ref.)

High–performance anion–exchange chromatography for carbohydrate analysis. Lee YC. **Anal Biochem** 1990 Sep; 189(2):151–62 (64 ref.)

Carbohydrates of the vestibular end organs. An ultrastructural study using gold–labeled lectins. Takumida M, et al. **ORL J Otorhinolaryngol Relat Spec** 1991; 53(2):86–90 (14 ref.)

CHEMICAL SYNTHESIS

Chemistry of carba–sugars (pseudo–sugars) and their derivatives. Suami T, et al. **Adv Carbohydr Chem Biochem** 1990;48:21–90 (136 ref.)

Enzymatic techniques applied to complex carbohydrates. Some examples. Nilsson KG. **Ann N Y Acad Sci** 1990; 613:431–4 (13 ref.)

CHEMISTRY

Determination of complex carbohydrate structure using carbonyl carbon resonances of peracetylated derivatives. Goux WJ. **Basic Life Sci** 1990;56:47–62 (30 ref.)

Applications of 2D NMR spectroscopy to carbohydrates. Lerner L. **Basic Life Sci** 1990;56:17–25 (37 ref.)

Oxygen exchange and bond cleavage reactions of carbohydrates studied using the 18O isotope shift in 13C NMR spectroscopy. Mega TL, et al. **Basic Life Sci** 1990; 56:85–93 (26 ref.)

[The decomposition of reducing sugars and amines in the Maillard reaction] Ledl F. **Z Ernahrungswiss** 1991 Feb; 30(1):4–17 (94 ref.) (Eng. Abstr.) **(Ger)**

[Conformational aspects of glycosylation] Avanov AIa. **Mol Biol (Mosk)** 1991 Mar–Apr;25(2):293–308 (101 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Carbohydrate auto–antigens in auto–immune hemolytic anemia] Kannagi R, et al. **Rinsho Ketsueki** 1991 Jun; 32(6):599–605 (22 ref.) (Eng. Abstr.) **(Jpn)**

METABOLISM

Metabolic aspects of oral contraceptives of relevance for cardiovascular disease. First European conference on sex steroids and metabolism. Skouby SO, et al. **Adv Contracept** 1990 Dec;6 Suppl:7–13 (0 ref.)

Drug–induced disturbances of carbohydrate metabolism. Chan JC, et al. **Adverse Drug React Toxicol Rev** 1991 Spring;10(1):1–29 (207 ref.)

Normal metabolism and disorders of carbohydrate metabolism. de Barsy T, et al. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):499–522 (85 ref.)

Studies of evolving carbohydrate metabolism in vivo by 13C surface–coil NMR spectroscopy. Becker NN, et al. **Basic Life Sci** 1990;56:317–28 (11 ref.)

Molecular mechanisms of sugar transport across mammalian and microbial cell membranes. Baldwin SA. **Biotechnol Appl Biochem** 1990 Oct;12(5):512–6 (32 ref.)

Plasmodium falciparum carbohydrate metabolism: a connection between host cell and parasite. Roth E Jr. **Blood Cells** 1990;16(2–3):453–60; discussion 461–6 (30 ref.)

Prevention of carbohydrate–mediated clearance of ricin–containing immunotoxins by the liver. Blakey DC, et al. **Cancer Treat Res** 1988;37:457–73 (51 ref.)

Regulation of sugar and ethanol metabolism in Saccharomyces cerevisiae. Wills C. **Crit Rev Biochem Mol Biol** 1990;25(4):245–80 (359 ref.)

Regulation of muscle carbohydrate metabolism during exercise. Stanley WC, et al. **FASEB J** 1991 May;5(8):2155–9 (51 ref.)

Uncommon pathways of metabolism among lactic acid bacteria. London J. **FEMS Microbiol Rev** 1990 Sep; 7(1–2):103–11 (49 ref.)

On the carbohydrate binding specificity of lectins: the game is never over. Goldstein IJ. **Indian J Biochem Biophys** 1990 Dec;27(6):368–9 (15 ref.)

Lectin–carbohydrate interactions in immunoregulation. Kéry V. **Int J Biochem** 1991;23(7–8):631–40 (48 ref.)

The contents of proteins, carbohydrates, lipids and DNA during the embryogenesis of Drosophila. Medina M, et al. **Int J Dev Biol** 1989 Sep;33(3):403–5 (14 ref.)

Proton–linked sugar transport systems in bacteria. Henderson PJ. **J Bioenerg Biomembr** 1990 Aug;22(4):525–69 (236 ref.)

Noninvasive approaches to tracing pathways in carbohydrate metabolism. Landau BR. **JPEN J Parenter Enteral Nutr** 1991 May–Jun;15(3):74S–77S (38 ref.)

Membrane integration of carbohydrate transport in bacteria. Danchin A. **Microbiol Sci** 1987 Sep;4(9):267–9 (20 ref.)

Carbohydrate metabolism in biotrophic plant pathogens. Farrar JF. **Microbiol Sci** 1985 Oct;2(10):314–7 (21 ref.)

The phosphoenolpyruvate–dependent phosphotransferase system: a central feature of carbohydrate accumulation by enteric bacteria. Mitchell WJ. **Microbiol Sci** 1985 Nov; 2(11):330–4, 339 (37 ref.)

Mechanism of sugar transport and phosphorylation via permeases of the bacterial phosphotransferase system: catalytic residues in the beta–glucoside–specific permease as defined by site–specific mutagenesis. Sutrina SL, et al. **Res Microbiol** 1990 Mar–Apr;141(3):368–74 (19 ref.)

[Essential trace element—chromium] Cheng YY. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):349–52 (40 ref.) **(Chi)**

[Magnesium and the regulation of carbohydrate metabolism] Paolisso G, et al. **Journ Annu Diabetol Hotel Dieu** 1991; :185–91 (33 ref.) **(Fre)**

[Intolerance to carbohydrates: the seven questions] Grimaldi A, et al. **Rev Med Interne** 1990 Jul–Aug;11(4):297–307 (123 ref.) (Eng. Abstr.) **(Fre)**

[Specific systems of phosphoenolpyruvate–dependent transport of carbohydrates in enterobacteria] Bol'shakova TN, et al. **Mol Gen Mikrobiol Virusol** 1991 Feb;(2):3–9 (50 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Sugar induced cataractogenesis: a paradigm of oxidative tissue pathology? Srivastava SK, et al. **Lens Eye Toxic Res** 1990;7(2):161–71 (45 ref.)

[A new pathway for the central nervous regulation of carbohydrate homeostasis] Akmaev IG. **Probl Endokrinol (Mosk)** 1990 Jul–Aug;36(4):12–8 (29 ref.) **(Rus)**

CARBON

Molecule of the year. Diamond: glittering prize for materials science [published erratum appears in Science 1991 Jan 25;251(4992):362] Guyer RL, et al. **Science** 1990 Dec 21; 250(4988):1640–3 (0 ref.)

ADVERSE EFFECTS

Pathogenic and carcinogenic properties of silicon carbide. Cichy B. **Pol J Occup Med** 1989;2(1):87–96 (29 ref.)

METABOLISM

A model for diurnal patterns of carbon fixation in a Precambrian microbial mat based on a modern analog. Rothschild LJ. **Biosystems** 1991;25(1–2):13–23 (21 ref.)

Assimilation of carbon by methylotrophs. Anthony C. **Biotechnology** 1991;18:79–109 (2 ref.)

Regulation of oxidation and assimilation of one–carbon compounds in methylotrophic bacteria. Dikjhuizen L, et al. **Biotechnology** 1991;18:127–48 (109 ref.)

Single cell protein production from C1 compounds. Ekeroth L, et al. **Biotechnology** 1991;18:205–31 (36 ref.)

C1 metabolism in Paracoccus denitrificans: genetics of Paracoccus denitrificans. Harms N, et al. **J Bioenerg Biomembr** 1991 Apr;23(2):187–210 (131 ref.)

The molecular basis of carbon–starvation–induced general resistance in Escherichia coli. Matin A. **Mol Microbiol** 1991 Jan;5(1):3–10 (27 ref.)

Carbon metabolism in early amphibian embryos. Dworkin MB, et al. **Trends Biochem Sci** 1991 Jun;16(6):229–34 (34 ref.)

CARBON DIOXIDE

see related HYPERCAPNIA

Isocapnic hyperventilation for measuring airway hyperresponsiveness in asthma and in chronic obstructive pulmonary disease. O'Byrne PM, et al. **Am Rev Respir Dis** 1991 Jun;143(6):1444–5 (9 ref.)

Modified atmosphere packaging of seafood. Stammen K, et al. **Crit Rev Food Sci Nutr** 1990;29(5):301–31 (147 ref.)

ADMINISTRATION & DOSAGE

[Carbon dioxide insufflation in headache and migraine] Taubert K. **Z Arztl Fortbild (Jena)** 1991 Jan 25; 85(1–2):23–30 (26 ref.) **(Ger)**

ANALYSIS

Use of capnography in critically ill adults. Szaflarski NL, et al. **Heart Lung** 1991 Jul;20(4):363–72 (45 ref.)

Interpretation of capnography. Crul JF. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):279–81 (0 ref.)

[Capnometry and capnography as safety factors in anesthesia] Baum J. **Anaesthesiol Reanim** 1991;16(1):12–22 (40 ref.) (Eng. Abstr.) **(Ger)**

BLOOD

The chemoreflex control of breathing and its measurement. Duffin J. **Can J Anaesth** 1990 Nov;37(8):933–42 (17 ref.)

Non–invasive monitoring in the pediatric ICU, Part II: Transcutaneous carbon dioxide monitoring (PtcCO2). Ravindranath T. **Indian J Pediatr** 1990 Mar–Apr; 57(2):175–8 (17 ref.)

CHEMISTRY

Life with CO or CO2 and H2 as a source of carbon and energy [published erratum appears in FASEB J 1991 May;5(8):2216] Wood HG. **FASEB J** 1991 Feb;5(2):156–63 (51 ref.)

METABOLISM

Microbial H2/CO2 acetogenesis in animal guts: nature and nutritional significance. Breznak JA, et al. **FEMS Microbiol Rev** 1990 Dec;7(3–4):309–13 (30 ref.)

Recent studies on the molecular biology and biochemistry of CO2 fixation in phototrophic bacteria. Tabita FR, et al. **FEMS Microbiol Rev** 1990 Dec;7(3–4):437–43 (24 ref.)

Enzymes and genes of microbial autotrophy. Codd GA, et al. **Microbiol Sci** 1987 May;4(5):154–9 (54 ref.)

PHARMACOLOGY

A comparison of cerebral blood flow reactivity to CO2 during halothane versus isoflurane anesthesia for carotid endarterectomy. Young WL, et al. **Anesth Analg** 1991 Oct; 73(4):416–21 (33 ref.)

THERAPEUTIC USE

Radiosensitization with normobaric oxygen and carbogen.

Rojas A. **Radiother Oncol** 1991;20 Suppl 1:65–70 (41 ref.)
[Comparative study of acetate and bicarbonate hemodialysis in children with chronic uremia] Dobos E, et al. **Orv Hetil** 1991 Aug 11;132(32):1749–54 (37 ref.) (Eng. Abstr.) **(Hun)**

URINE

Distal renal tubular acidosis: the value of urinary pH, PCO2 and NH4+ measurements. Wrong O. **Pediatr Nephrol** 1991 Mar;5(2):249–55 (72 ref.)

CARBON DIOXIDE PARTIAL PRESSURE DETERMINATION, TRANSCUTANEOUS see **BLOOD GAS MONITORING, TRANSCUTANEOUS**

CARBON ISOTOPES

Synthesis of 13C-labeled steroid hormones. Zomer G, et al. **Steroids** 1990 Oct;55(10):440–2 (10 ref.)

CARBON MONOXIDE

Predicting EPA's forthcoming CO standards in light of new clinical evidence. Graham JD, et al. **Risk Anal** 1991 Jun; 11(2):325–32 (22 ref.)

ADVERSE EFFECTS

Is carbon monoxide a workplace teratogen? A review and evaluation of the literature. Norman CA, et al. **Ann Occup Hyg** 1990 Aug;34(4):335–47 (44 ref.)

CHEMISTRY

Life with CO or CO2 and H2 as a source of carbon and energy [published erratum appears in FASEB J 1991 May;5(8):2216] Wood HG. **FASEB J** 1991 Feb;5(2):156–63 (51 ref.)

METABOLISM

Biotechnological applications of carboxydotrophic bacteria. Williams E, et al. **Microbiol Sci** 1986 May;3(5):149–53 (22 ref.)
Does carbon monoxide have a physiological function? Marks GS, et al. **Trends Pharmacol Sci** 1991 May;12(5):185–8 (30 ref.)

PHARMACOLOGY

Cigarette smoking and platelet function: relation to nicotine, carbon monoxide and saturated fat. Renaud S. **Adv Exp Med Biol** 1990;273:161–71 (23 ref.)
The effect of carbon monoxide on respiration. Haab P. **Experientia** 1990 Dec 1;46(11–12):1202–6 (32 ref.)

CARBON MONOXIDE POISONING

METABOLISM

Pathobiochemistry of CO poisoning. Young LJ, et al. **FEBS Lett** 1990 Oct 15;272(1–2):1–6 (58 ref.)

THERAPY

Carbon monoxide poisoning--recent advances. Proudfoot AT. **Acta Clin Belg Suppl** 1990;13:61–8 (54 ref.)
[Hyperbaric oxygen therapy in acute carbon monoxide poisoning. Illustration of a treatment protocol] Rezzonico C, et al. **Minerva Med** 1990 Jul–Aug;81(7–8 Suppl):45–7 (13 ref.) (Eng. Abstr.) **(Ita)**

CARBON TETRACHLORIDE

TOXICITY

Role of hepatocellular regeneration and hepatolobular healing in the final outcome of liver injury. A two-stage model of toxicity. Mehendale HM. **Biochem Pharmacol** 1991 Aug 22;42(6):1155–62 (69 ref.)

CARBON TETRACHLORIDE POISONING

Carbon tetrachloride hepatotoxicity: an example of free radical-mediated injury. Williams AT, et al. **Semin Liver Dis** 1990 Nov;10(4):279–84 (57 ref.)

CARBONATED BEVERAGES

Carbonated beverages as irrigants for feeding tubes. Nicolau DP, et al. **DICP** 1990 Sep;24(9):840 (8 ref.)

CARBONIC ACID

CHEMISTRY

[Interaction of carbonic acid reamination and oxidation processes at various functional states of tissue] Kondrashova MN. **Biokhimiia** 1991 Mar;56(3):388–405 (78 ref.) (Eng. Abstr.) **(Rus)**

CARBONIC ANHYDRASE

PHYSIOLOGY

Pathophysiology of the renal tubular acidoses. Sabatini S, et al. **Semin Nephrol** 1991 Mar;11(2):202–11 (82 ref.)

CARBONIC ANHYDRASE INHIBITORS

THERAPEUTIC USE

Carbonic anhydrase inhibitors. Brandt JD. **CLAO J** 1991 Apr;17(2):136–8 (7 ref.)
New developments in the drug treatment of glaucoma. Hurvitz LM, et al. **Drugs** 1991 Apr;41(4):514–32 (137 ref.)

CARBONIC ANHYDRASE ISOENZYMES see **CARBONIC ANHYDRASE**

CARBONIC ANHYDRIDE see **CARBON DIOXIDE**

CARBOPLATIN

THERAPEUTIC USE

Whole body hyperthermia and intraperitoneal carboplatin in residual ovarian cancer. Cohen JD, et al. **Adv Exp Med Biol** 1990;267:197–202 (35 ref.)

CARBOXY-LYASES

METABOLISM

Cysteine sulfinic acid decarboxylases (CSD) in the brain. Tappaz M, et al. **Prog Clin Biol Res** 1990;351:53–68 (42 ref.)
Bacterial energy transductions coupled to sodium ions. Dimroth P. **Res Microbiol** 1990 Mar–Apr;141(3):332–6 (19 ref.)
[The role of propionyl-CoA carboxylase in the biosynthesis of antibiotics] Kirsanov AIu, et al. **Antibiot Khimioter** 1991 Apr;36(4):32–5 (62 ref.) **(Rus)**

CARBOXYDISMUTASE see **RIBULOSEBIPHOSPHATE CARBOXYLASE**

CARBOXYL (ACID) PROTEINASES see **ASPARTIC PROTEINASES**

CARBOXYLESTERASES see **CARBOXYLIC ESTER HYDROLASES**

CARBOXYLIC ACIDS

Organic acids: chemistry, antibacterial activity and practical applications. Cherrington CA, et al. **Adv Microb Physiol** 1991;32:87–108 (114 ref.)

METABOLISM

Human plasma lecithin:cholesterol acyltransferase (LCAT). On the role of essential carboxyl groups in catalysis. Jauhiainen M, et al. **Adv Exp Med Biol** 1991;285:71–5 (10 ref.)
Incorporation of xenobiotic carboxylic acids into lipids. Dodds PF. **Life Sci** 1991;49(9):629–49 (108 ref.)
Peroxisomes and beta-oxidation of long-chain unsaturated carboxylic acids. Hiltunen JK. **Scand J Clin Lab Invest Suppl** 1991;204:33–46 (65 ref.)

TOXICITY

Structure-activity relationships (SAR) and structure-metabolism relationships (SMR) affecting the teratogenicity of carboxylic acids. Di Carlo FJ. **Drug Metab Rev** 1990;22(5):411–49 (83 ref.)

URINE

Role of the laboratory in diagnosis of organic acidurias. Forman DT. **Ann Clin Lab Sci** 1991 Mar–Apr;21(2):85–93 (10 ref.)

CARBOXYLIC ESTER HYDROLASES

GENETICS

Acid phosphatase, adenosine deaminase and esterase D polymorphisms in the Spanish Basque population. Aguirre AI, et al. **Hum Hered** 1991;41(2):93–102 (50 ref.)

CARBOXYMETHYLCYSTEINE see **CARBOCYSTEINE**

CARBOXYPEPTIDASE TRANSPEPTIDASE

METABOLISM

Membrane topology, structure, and functions of the penicillin-interactive proteins. Ghuysen JM. **Biotechnol Appl Biochem** 1990 Oct;12(5):468–72 (36 ref.)
Penicillin-resistant pneumococci. Allen KD. **J Hosp Infect** 1991 Jan;17(1):3–13 (61 ref.)
Penicillin-binding proteins and peptidoglycan peptide-interacting proteins. Rodriguez-Tébar A, et al. **Microbiol Sci** 1984 Dec;1(9):211–4 (16 ref.)

CARBOXYPEPTIDASES

METABOLISM

Human mast cell carboxypeptidase. Goldstein SM, et al. **Monogr Allergy** 1990;27:132–45 (48 ref.)

PHARMACOLOGY

Construction and chemotherapeutic potential of carboxypeptidase-A/monoclonal antibody conjugate. Esswein A, et al. **Adv Enzyme Regul** 1991;31:3–12 (12 ref.)

CARCINOEMBRYONIC ANTIGEN

Carcinoembryonic antigen as an autoantigen. Breborowicz J, et al. **Immunol Ser** 1990;52:65–83 (84 ref.)

ANALYSIS

[Two cases of pulmonary alveolar proteinosis with increased CEA] Takanashi S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Jul; 28(7):1006–11 (13 ref.) (Eng. Abstr.) **(Jpn)**

BLOOD

Peptide hormones as tumor markers in neuroendocrine gastrointestinal tumors. Eriksson B, et al. **Acta Oncol** 1991; 30(4):477–83 (30 ref.)
Tumor markers in cancer of the colon and rectum. Woolfson K. **Dis Colon Rectum** 1991 Jun;34(6):506–11 (47 ref.)
A case of primary mucinous cystadenocarcinoma of the appendix with elevated serum carcinoembryonic antigen (CEA). Noritake N, et al. **Jpn J Med** 1990 Nov–Dec; 29(6):642–6 (23 ref.)
CEA in tumors of other than colorectal origin. Chevinsky AH. **Semin Surg Oncol** 1991 May–Jun;7(3):162–6 (53 ref.)
[Diagnostic value of biochemical tumor markers in brain tumors. Review of the literature and own experience with serum analysis of sialic acid (NANA), carcinoembryonic antigen (CEA) and neuron-specific enolase (NSE)] Flaschka G, et al. **Zentralbl Neurochir** 1990;51(3):129–37 (80 ref.) (Eng. Abstr.) **(Ger)**

CHEMISTRY

[Present status of tumor markers] Hirai H. **Hum Cell** 1988 Mar;1(1):1–9 (70 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

The structure, metabolism and function of the carcinoembryonic antigen gene family. Thomas P, et al. **Biochim Biophys Acta** 1990 Dec 11;1032(2–3):177–89 (171 ref.)

IMMUNOLOGY

Radioimmunodetection of chemodectoma by In-111 labeled anti-CEA antibody. Case report and review of the literature. Kairemo KJ, et al. **Clin Nucl Med** 1990 Dec; 15(12):900–3 (29 ref.)
The role of CEA and liver function tests in the detection of hepatic metastases from colo-rectal cancer. Bonfanti G, et al. **HPB Surg** 1990;3(1):29–36; discussion 36–7 (22 ref.)
Radioimmunolocalization of pelvic recurrences from rectosigmoid cancer employing 111In anti-CEA F(ab')2. Aprile C, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):51–2 (13 ref.)
Immunoscintigraphy of colorectal carcinoma with an anti-CEA monoclonal antibody: a critical review. Buraggi GL, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):45–50 (29 ref.)
[Immunoscintigraphy in colorectal cancers from the viewpoint of the gastroenterologist] Dippold WG, et al. **Z Gastroenterol** 1990 Dec;28(12):673–7 (70 ref.) (Eng. Abstr.) **(Ger)**

CARCINOGEN MARKERS see **TUMOR MARKERS, BIOLOGICAL**

CARCINOGENICITY TESTS

see related
MUTAGENICITY TESTS

Validity of in vitro testing. Matula TI. **Drug Metab Rev** 1990; 22(6–8):777–87 (19 ref.)
International Commission for Protection Against Environmental Mutagens and Carcinogens. ICPEMC publication No. 19. The classification of carcinogens identified in the rodent bioassay as potential risks to humans: what type of substance should be tested next? Clayson DB, et al. **Mutat Res** 1991 Jan;257(1):91–106 (103 ref.)
NTP carcinogens--interpretational problems. McConnell EE. **Mutat Res** 1991 Jun;248(2):233–7 (12 ref.)

METHODS

Medical surveillance and biomonitoring for occupational cancer endpoints. Cone JE, et al. **Occup Med** 1990 Jul–Sep;

5(3):563–81 (85 ref.)
Quantitative factors in chemical carcinogenesis: variation in carcinogenic potency. Krewski D, et al. **Regul Toxicol Pharmacol** 1990 Aug;12(1):13–29 (64 ref.)
Screening procedures for evaluating the potential carcinogenicity of food-packaging chemicals. Williams GM. **Regul Toxicol Pharmacol** 1990 Aug;12(1):30–40 (44 ref.)

STATISTICS & NUMERICAL DATA

Exact statistical tests for any carcinogenic effect in animal bioassays. II. Age-adjusted tests. Farrar D, et al. **Fundam Appl Toxicol** 1990 Nov;15(4):710–21 (19 ref.)

CARCINOGENS

see related
COCARCINOGENESIS
ONCOGENIC VIRUSES

Bisfuranoid mycotoxins: their genotoxicity and carcinogenicity. Hsieh DP, et al. **Adv Exp Med Biol** 1991; 283:525–32 (41 ref.)
Epstein–Barr virus, Burkitt's lymphoma, and an African tumor promoter. Osato T, et al. **Adv Exp Med Biol** 1990; 278:147–50 (18 ref.)
Molecular mechanisms of nickel carcinogenesis. Costa M. **Annu Rev Pharmacol Toxicol** 1991;31:321–37 (51 ref.)
Scientific concepts, value, and significance of chemical carcinogenesis studies. Huff J, et al. **Annu Rev Pharmacol Toxicol** 1991;31:621–52 (53 ref.)
Carcinogenic effects of man-made vitreous fibers. Enterline PE. **Annu Rev Public Health** 1991;12:459–80 (55 ref.)
Hydroxyl radical and singlet oxygen production and DNA damage induced by carcinogenic metal compounds and hydrogen peroxide. Kawanishi S, et al. **Biol Trace Elem Res** 1989 Jul–Sep;21:367–72 (16 ref.)
Mechanism of chromium(VI) carcinogenesis. Reactive intermediates and effect on gene expression. Wetterhahn KE, et al. **Biol Trace Elem Res** 1989 Jul–Sep;21:405–11 (25 ref.)
Carcinogenesis: molecular defences against carcinogens. Smith PJ. **Br Med Bull** 1991 Jan;47(1):3–20 (63 ref.)
Promotion of mouse lung tumors by bioaccumulated polychlorinated aromatic hydrocarbons. Anderson LM, et al. **Exp Lung Res** 1991 Mar–Apr;17(2):455–71 (37 ref.)
The contribution of experimental studies to risk assessment of carcinogenic agents in humans. Tomatis L, et al. **Exp Pathol** 1990;40(4):251–66 (29 ref.)
Oxidative stress induced by 2,3,7,8–tetrachlorodibenzo–p–dioxin (TCDD). Stohs SJ. **Free Radic Biol Med** 1990;9(1):79–90 (130 ref.)
Risk extrapolation for chlorinated methanes as promoters vs initiators of multistage carcinogenesis. Bogen KT. **Fundam Appl Toxicol** 1990 Oct;15(3):536–57 (127 ref.)
Theobromine. **IARC Monogr Eval Carcinog Risks Hum** 1991; 51:421–41 (102 ref.)
Trichlormethine (trimustine hydrochloride). **IARC Monogr Eval Carcinog Risks Hum** 1990;50:143–9 (26 ref.)
Methylglyoxal. **IARC Monogr Eval Carcinog Risks Hum** 1991;51:443–58 (60 ref.)
Ampicillin. **IARC Monogr Eval Carcinog Risks Hum** 1990; 50:153–67 (75 ref.)
Tea. **IARC Monogr Eval Carcinog Risks Hum** 1991;51:207–71 (150 ref.)
Chloramphenicol. **IARC Monogr Eval Carcinog Risks Hum** 1990;50:169–93 (183 ref.)
Mate. **IARC Monogr Eval Carcinog Risks Hum** 1991; 51:273–87 (21 ref.)
Nitrofurantoin. **IARC Monogr Eval Carcinog Risks Hum** 1990;50:211–31 (126 ref.)
Caffeine. **IARC Monogr Eval Carcinog Risks Hum** 1991; 51:291–390 (573 ref.)
Cimetidine. **IARC Monogr Eval Carcinog Risks Hum** 1990; 50:235–63 (139 ref.)
Theophylline. **IARC Monogr Eval Carcinog Risks Hum** 1991; 51:391–419 (202 ref.)
Paracetamol (acetaminophen). **IARC Monogr Eval Carcinog Risks Hum** 1990;50:307–32 (128 ref.)
Coffee. **IARC Monogr Eval Carcinog Risks Hum** 1991; 51:41–206 (407 ref.)
Azacitidine. **IARC Monogr Eval Carcinog Risks Hum** 1990; 50:47–63 (94 ref.)
Chlorozotocin. **IARC Monogr Eval Carcinog Risks Hum** 1990;50:65–75 (53 ref.)
Ciclosporin. **IARC Monogr Eval Carcinog Risks Hum** 1990; 50:77–114 (247 ref.)
Dantron (chrysazin; 1,8–dihydroxyanthraquinone). **IARC Monogr Eval Carcinog Risks Hum** 1990;50:265–75 (58 ref.)
Furosemide (frusemide). **IARC Monogr Eval Carcinog Risks Hum** 1990;50:277–91 (76 ref.)
Hydrochlorothiazide. **IARC Monogr Eval Carcinog Risks Hum** 1990;50:293–305 (69 ref.)
Prednimustine. **IARC Monogr Eval Carcinog Risks Hum** 1990;50:115–22 (28 ref.)
Thiotepa. **IARC Monogr Eval Carcinog Risks Hum** 1990; 50:123–41 (121 ref.)
Complex mixtures of urban air pollutants: identification and comparative assessment of mutagenic and tumorigenic chemicals and emission sources. Lewtas J, et al. **IARC Sci Publ** 1990;(104):252–60 (32 ref.)
Drinking water and human cancer. McMichael AJ. **IARC Sci Publ** 1990;(104):298–306 (43 ref.)
DNA adduct formation in human and mouse skin by mixtures of polycyclic aromatic hydrocarbons. Phillips DH, et al. **IARC Sci Publ** 1990;(104):223–9 (15 ref.)
Relative significance of different hydrocarbons for the carcinogenic potency of emissions from various incomplete combustion processes. Pott F, et al. **IARC Sci Publ** 1990; (104):288–97 (35 ref.)
Food as source of complex mixtures of mutagens and carcinogens. Sugimura T. **IARC Sci Publ** 1990; (104):399–407 (45 ref.)
Cholesterol oxides and carcinogenesis. Morin RJ, et al. **J Clin Lab Anal** 1991;5(3):219–25 (55 ref.)
Chemicals, cancer, and risk assessment. Withers BF 3d, et al. **J La State Med Soc** 1991 Jan;143(1):33–40 (10 ref.)
Photocarcinogenicity of psoralens used in PUVA treatment: present status in mouse and man. Young AR. **J Photochem Photobiol B** 1990 Jun;6(1–2):237–47 (70 ref.)
Dietary carcinogens, environmental pollution, and cancer: some misconceptions. Ames BN, et al. **Med Oncol Tumor Pharmacother** 1990;7(2–3):69–85 (164 ref.)
Early indicators of non-genotoxic carcinogenesis. Overview. Scientific and organizing committee. **Mutat Res** 1991 Jun; 248(2):213–6 (0 ref.)
Early indicators of bladder carcinogenesis produced by non-genotoxic agents. Anderson RL. **Mutat Res** 1991 Jun; 248(2):261–70 (22 ref.)
Role of DNA methylation in the activation of proto-oncogenes and the induction of pulmonary neoplasia by nitrosamines. Belinsky SA, et al. **Mutat Res** 1990 Nov–Dec;233(1–2):105–16 (44 ref.)
Early indicators of potential neoplasia produced in the rat forestomach by non-genotoxic agents: the importance of induced cellular proliferation. Clayson DB, et al. **Mutat Res** 1991 Jun;248(2):321–31 (49 ref.)
Preneoplastic lesions in rodent kidney induced spontaneously or by non-genotoxic agents: predictive nature and comparison to lesions induced by genotoxic carcinogens. Dietrich DR, et al. **Mutat Res** 1991 Jun;248(2):239–60 (113 ref.)
Evidence for and possible mechanisms of non-genotoxic carcinogenesis in rodent liver. Grasso P, et al. **Mutat Res** 1991 Jun;248(2):271–90 (116 ref.)
Validity of considering that early changes may act as indicators for non-genotoxic carcinogenesis. Hildebrand B, et al. **Mutat Res** 1991 Jun;248(2):217–20 (17 ref.)
Evidence for and possible mechanisms of non-genotoxic carcinogenesis in mouse skin. Ingram AJ, et al. **Mutat Res** 1991 Jun;248(2):333–40 (46 ref.)
International Commission for Protection Against Environmental Mutagens and Carcinogens. ICPEMC publication No. 18. Review of the genotoxicity and carcinogenicity of antischistosomal drugs; is there a case for a study of mutation epidemiology? Report of a task group on mutagenic antischistosomals. Kramers PG, et al. **Mutat Res** 1991 Jan;257(1):49–89 (452 ref.)
NTP carcinogens—interpretational problems. McConnell EE. **Mutat Res** 1991 Jun;248(2):233–7 (12 ref.)
Carcinogenicities of heterocyclic amines in cooked food. Ohgaki H, et al. **Mutat Res** 1991 Mar–Apr; 259(3–4):399–410 (44 ref.)
Neuroendocrine cell hyperplasia and neuroendocrine carcinoma of the rodent fundic stomach. Poynter D, et al. **Mutat Res** 1991 Jun;248(2):303–19 (76 ref.)
Evidence for and possible mechanisms of non-genotoxic carcinogenesis in the rodent thyroid. Thomas GA, et al. **Mutat Res** 1991 Jun;248(2):357–70 (89 ref.)
Carcinogenic N–nitrosamines in the diet: occurrence, formation, mechanisms and carcinogenic potential. Tricker AR, et al. **Mutat Res** 1991 Mar–Apr;259(3–4):277–89 (74 ref.)
Antibodies to DNA alkylation adducts as analytical tools in chemical carcinogenesis. Wild CP. **Mutat Res** 1990 Nov–Dec;233(1–2):219–33 (107 ref.)
Early indicators of exocrine pancreas carcinogenesis produced by non-genotoxic agents. Woutersen RA, et al. **Mutat Res** 1991 Jun;248(2):291–302 (75 ref.)
Cancer hazards in the recombinant laboratory. Stark AA. **Occup Med** 1991 Apr–Jun;6(2):311–21 (33 ref.)
Aberrant crypt foci in the detection of colon carcinogens. Bruce WR. **Prog Clin Biol Res** 1990;347:129–37 (24 ref.)
Carcinogenicity of mutagens from cooked meats. Larsen JC, et al. **Prog Clin Biol Res** 1990;347:89–108 (57 ref.)
Mutagens and carcinogens in the diet. Regulatory perspective: Japan. Sato S. **Prog Clin Biol Res** 1990; 347:295–306 (19 ref.)
Risk assessment for benzo[a]pyrene. Collins JF, et al. **Regul Toxicol Pharmacol** 1991 Apr;13(2):170–84 (50 ref.)
Assumptions of the HERP Index. Hoel DG. **Risk Anal** 1990 Dec;10(4):623–4; discussion 629–33 (5 ref.)
Measuring carcinogenic potency. Krewski D. **Risk Anal** 1990 Dec;10(4):615–7; discussion 629–33 (32 ref.)
Natural carcinogens and dioxin. Ames BN. **Sci Total Environ** 1991 May 1;104(1–2):159–66 (9 ref.)
The photolability of hydroxamic acids and its importance to the human environment. Lipczynska–Kochany E. **Sci Total Environ** 1991 Mar;100 Spec No:469–82 (81 ref.)
Rules of molecular geometry for predicting carcinogenic activity of unsubstituted polynuclear aromatic hydrocarbons. Flesher JW, et al. **Teratogenesis Carcinog Mutagen** 1991;11(1):41–54 (67 ref.)
Dangerous properties of petroleum-refining products: carcinogenicity of motor fuels (gasoline) [published erratum appears in Teratogenesis Carcinog Mutagen 1991;11(1):63] Mehlman MA. **Teratogenesis Carcinog Mutagen** 1990; 10(5):399–408 (31 ref.)
[The system of procarcinogen activation in Drosophila] Fuks SIu, et al. **Vopr Onkol** 1990;36(8):911–7 (27 ref.) **(Rus)**
[Mutagenic and carcinogenic effects of vinyl chloride monomers in humans] Fučić A, et al. **Arh Hig Rada Toksikol** 1991 Mar;42(1):65–72 (47 ref.) (Eng. Abstr.) **(Scr)**

ANALYSIS

Measurement of DNA adducts by immunoassays. Poirier MC, et al. **Basic Life Sci** 1990;53:1–11 (30 ref.)
Detection of human DNA adducts by 32P–postlabeling. Randerath K, et al. **Basic Life Sci** 1990;53:13–32 (70 ref.)
Immunologic methods for the detection of carcinogen adducts in humans. Santella RM, et al. **Basic Life Sci** 1990; 53:33–44 (28 ref.)
Detection of chemical carcinogens by means of the "rat liver foci bioassay". Oesterle D, et al. **Exp Pathol** 1990; 39(3–4):197–206 (68 ref.)
Carcinogens in our environment. Rall DP. **IARC Sci Publ** 1990;(104):233–9 (12 ref.)
International Commission for Protection Against Environmental Mutagens and Carcinogens. ICPEMC publication No. 19. The classification of carcinogens identified in the rodent bioassay as potential risks to humans: what type of substance should be tested next? Clayson DB, et al. **Mutat Res** 1991 Jan;257(1):91–106 (103 ref.)
Mutagens and carcinogens in food. Sugimura T, et al. **Prog Clin Biol Res** 1990;347:1–18 (50 ref.)

CHEMISTRY

Radical cations in aromatic hydrocarbon carcinogenesis. Cavalieri EL, et al. **Free Radic Res Commun** 1990; 11(1–3):77–87 (57 ref.)

CLASSIFICATION

The importance of ranking possible carcinogenic hazards using HERP. Gold LS, et al. **Risk Anal** 1990 Dec; 10(4):625–8; discussion 629–33 (13 ref.)

METABOLISM

Modification of carcinogen metabolism by indolylic autolysis products of Brassica oleraceae. Bradfield CA, et al. **Adv Exp Med Biol** 1991;289:153–63 (64 ref.)
Prevention of adverse effects of food browning. Friedman M. **Adv Exp Med Biol** 1991;289:171–215 (133 ref.)
Activation of carcinogens by human liver cytochromes P–450. Guengerich FP, et al. **Basic Life Sci** 1990;53:381–96 (63 ref.)
Metabolic reduction of chromium, as related to its carcinogenic properties. De Flora S, et al. **Biol Trace Elem Res** 1989 Jul–Sep;21:179–87 (34 ref.)
Prostaglandin synthase–mediated metabolism of carcinogens and a potential role for peroxyl radicals as reactive intermediates. Marnett LJ. **Environ Health Perspect** 1990 Aug;88:5–12 (91 ref.)
Metabolism of aromatic and heterocyclic amine bladder carcinogens: bioanalytical considerations. Mattammal MB, et al. **J Pharm Biomed Anal** 1990;8(2):151–8 (33 ref.)
DNA–expressed human cytochrome P450s: a new age of molecular toxicology and human risk assessment. Gonzalez FJ, et al. **Mutat Res** 1991 Mar;247(1):113–27 (93 ref.)
[Control of ras proto–oncogene activity in mammalian cells (editorial)] Tocque B. **Pathol Biol (Paris)** 1991 Apr; 39(4):247–51 (54 ref.) **(Fre)**

PHARMACOKINETICS

Hereditary polymorphisms of human drug metabolizing enzymes and cancer susceptibility. Gonzalez FJ. **Birth Defects** 1990;26(1):17–42 (96 ref.)
Acetylation. Weber WW. **Birth Defects** 1990;26(1):43–65 (120 ref.)
Mechanisms of organ specificity in chemical carcinogenesis. Dong ZA, et al. **Cancer Invest** 1990;8(5):523–33 (86 ref.)
Disposition of xenobiotic chemicals and metabolites in marine organisms. Varanasi U, et al. **Environ Health Perspect** 1991 Jan;90:93–100 (33 ref.)
Metabolic activation of food hepatocarcinogens in hepatitis B virus–infected humans and animals. De Flora S, et al. **Prog Clin Biol Res** 1990;347:167–82 (35 ref.)

PHARMACOLOGY

Primary response genes induced by growth factors and tumor promoters. Herschman HR. **Annu Rev Biochem** 1991; 60:281–319 (263 ref.)
Regulation of the epidermal growth factor receptor by growth–modulating agents. Rosner MR. **Biotechnol Appl Biochem** 1990 Oct;12(5):473–7 (37 ref.)
Peroxisome proliferation and nongenotoxic carcinogenesis: commentary on a symposium. Moody DE, et al.

Fundam Appl Toxicol 1991 Feb;16(2):233–48 (124 ref.)
International Commission for Protection Against Environmental Mutagens and Carcinogens. ICPEMC Working Paper 7/1/3. Animal studies suggesting involvement of mutagen/carcinogen exposure in atherosclerosis. Wakabayashi K. **Mutat Res** 1990 Nov; 239(3):181–7 (39 ref.)
Multidrug resistance gene family and chemical carcinogens. Thorgeirsson SS, et al. **Pharmacol Ther** 1991;49(3):283–92 (62 ref.)
Mechanistic considerations in chemical carcinogenesis. Weisburger EK. **Regul Toxicol Pharmacol** 1990 Aug; 12(1):41–52 (90 ref.)
[The mutagenicity of animal carcinogenic agents of natural origin] Nersesian AK. **Eksp Onkol** 1990;12(5):7–11 (51 ref.) (Eng. Abstr.) **(Rus)**

TOXICITY

Carcinogenesis studies in human epithelial tissues and cells in vitro: emphasis on serum-free culture conditions and transformation studies. Grafström RC.
Acta Physiol Scand Suppl 1990;592:93–133 (232 ref.)
Intercellular communication: a useful test for tumour promoters? Ljungquist S, et al.
Acta Physiol Scand Suppl 1990;592:41–5 (17 ref.)
Inhibitory effect of curcumin and some related dietary compounds on tumor promotion and arachidonic acid metabolism in mouse skin. Conney AH, et al.
Adv Enzyme Regul 1991;31:385–96 (27 ref.)
Dose-response relationships in chemical carcinogenesis: from DNA adducts to tumor incidence. Lutz WK.
Adv Exp Med Biol 1991;283:151–6 (14 ref.)
Role of persistent, non-genotoxic tissue damage in rodent cancer and relevance to humans. Grasso P, et al.
Annu Rev Pharmacol Toxicol 1991;31:253–87 (165 ref.)
Molecular and cellular mechanisms of transformation of C3H/10T1/2 Cl 8 and diploid human fibroblasts by unique carcinogenic, nonmutagenic metal compounds. A review. Landolph JR. **Biol Trace Elem Res** 1989 Jul-Sep;21:459–67 (34 ref.)
A mechanism of haloalkene-induced renal carcinogenesis. Dekant W, et al. **Environ Health Perspect** 1990 Aug; 88:107–10 (20 ref.)
Toxicity and carcinogenicity of potassium bromate--a new renal carcinogen. Kurokawa Y, et al.
Environ Health Perspect 1990 Jul;87:309–35 (111 ref.)
Role of genotoxic and nongenotoxic effects in multistage carcinogenicity of aromatic amines. Neumann HG, et al.
Environ Health Perspect 1990 Aug;88:207–11 (18 ref.)
Growth-related alterations during liver carcinogenesis: effect of promoters. Seglen PO, et al.
Environ Health Perspect 1990 Aug;88:197–205 (54 ref.)
Chemistry and biological activity of volatile and nonvolatile mutagenic compounds from cooked food. Overvik E, et al. **IARC Sci Publ** 1990;(104):408–14 (58 ref.)
Theoretical mechanisms for synthesis of carcinogen-induced embryonic proteins: XXIV. Repeated embryonic genes in liver. Hancock RL. **Med Hypotheses** 1991 Mar; 34(3):256–60 (33 ref.)
Mechanism of action of food-associated polycyclic aromatic hydrocarbon carcinogens. Dipple A, et al. **Mutat Res** 1991 Mar-Apr;259(3–4):263–76 (76 ref.)
The search for molecular mechanisms of non-genotoxic carcinogens. Green S. **Mutat Res** 1991 Jun;248(2):371–4 (17 ref.)
Early indicators for carcinogenesis in sex-hormone-sensitive organs. Neumann F. **Mutat Res** 1991 Jun;248(2):341–56 (33 ref.)
Regulation of gene expression by tumor promoters. Rahmsdorf HJ, et al. **Pharmacol Ther** 1990;48(2):157–88 (410 ref.)
Analysis of modifying factors in chemical carcinogenesis. Cohen SM. **Prog Exp Tumor Res** 1991;33:21–40 (88 ref.)
Quantitative factors in chemical carcinogenesis: variation in carcinogenic potency. Krewski D, et al.
Regul Toxicol Pharmacol 1990 Aug;12(1):13–29 (64 ref.)
Regulation of occupational carcinogens under OSHA's Air Contaminants Standard. Paxman DG, et al.
Regul Toxicol Pharmacol 1990 Dec;12(3 Pt 1):296–308 (25 ref.)
The importance of ranking possible carcinogenic hazards using HERP. Gold LS, et al. **Risk Anal** 1990 Dec; 10(4):625–8; discussion 629–33 (13 ref.)
The fallacy of ranking possible carcinogen hazards using the TD50. Wartenberg D, et al. **Risk Anal** 1990 Dec; 10(4):609–13 (23 ref.)
[The carcinogenic and genotoxic action of the substances in the exhaust gases from internal combustion engines] Makhover MS, et al. **Eksp Onkol** 1990;12(5):11–4, 34 (50 ref.) (Eng. Abstr.) **(Rus)**

CARCINOGENS, ENVIRONMENTAL

Cytogenetic markers in detecting the effects of exposure to complex mixtures of chemicals. Evans HJ.
IARC Sci Publ 1990;(104):134–46 (49 ref.)
Biologically based models for risk assessment. Portier CJ, et al. **IARC Sci Publ** 1990;(104):20–8 (23 ref.)
Statistical aspects of experimental studies with complex mixtures. Wahrendorf J. **IARC Sci Publ** 1990;(104):29–34 (9 ref.)

ADMINISTRATION & DOSAGE

Monitoring human exposure to environmental carcinogens. Santella RM, et al. **Adv Exp Med Biol** 1991;283:165–81 (94 ref.)

ADVERSE EFFECTS

Carcinogens and cancers in freshwater fishes. Black JJ, et al. **Environ Health Perspect** 1991 Jan;90:27–33 (65 ref.)
Carcinogen adducts as an indicator for the public health risks of consuming carcinogen-exposed fish and shellfish. Dunn BP. **Environ Health Perspect** 1991 Jan;90:111–6 (51 ref.)
Carcinogenesis studies in rodents for evaluating risks associated with chemical carcinogens in aquatic food animals. Huff J, et al. **Environ Health Perspect** 1991 Jan; 90:127–32 (101 ref.)
Recent developments in the multistage modeling of cohort data for carcinogenic risk assessment. Mazumdar S, et al. **Environ Health Perspect** 1991 Jan;90:271–7 (20 ref.)
Macromolecular adducts and related biomarkers in biomonitoring and epidemiology of complex exposures. Perera F, et al. **IARC Sci Publ** 1990;(104):164–80 (53 ref.)
Molecular epidemiology and the genetics of environmental cancer. Shields PG, et al. **JAMA** 1991 Aug 7;266(5):681–7 (96 ref.)

ANALYSIS

Ingestion of carcinogenic N-nitrosamines by infants and children. Westin JB. **Arch Environ Health** 1990 Nov-Dec; 45(6):359–63 (54 ref.)
Critical effective methods to detect genotoxic carcinogens and neoplasm-promoting agents. Weisburger JH, et al.
Environ Health Perspect 1991 Jan;90:121–6 (60 ref.)
Analytical tools and biomonitoring for carcinogens in complex mixtures. O'Neill IK. **IARC Sci Publ** 1990; (104):123–33 (24 ref.)
Use of bacterial assay system for monitoring genotoxic complex mixtures in the occupational setting. Ong T, et al. **IARC Sci Publ** 1990;(104):101–6 (14 ref.)
Effects of measurement errors on estimates of exposure-response relationships. Armstrong B.
Recent Results Cancer Res 1990;120:50–63 (29 ref.)
Recent approaches to retrospective exposure assessment in occupational cancer epidemiology. Gérin M.
Recent Results Cancer Res 1990;120:39–49 (21 ref.)
Discovering occupational carcinogens in population-based case-control studies: review of findings from an exposure-based approach and a methodologic comparison of alternative data collection strategies. Siemiatycki J.
Recent Results Cancer Res 1990;120:25–38 (18 ref.)
Towards an automated micronucleus assay as an internal dosimeter for carcinogen-exposed human population groups. Stich HF, et al. **Recent Results Cancer Res** 1990; 120:94–105 (42 ref.)

METABOLISM

Cytochrome P-450 monooxygenase systems in aquatic species: carcinogen metabolism and biomarkers for carcinogen and pollutant exposure. Stegeman JJ, et al.
Environ Health Perspect 1991 Jan;90:101–9 (74 ref.)
Approaches to detecting individual exposure to carcinogens. Montesano R. **IARC Sci Publ** 1990;(104):11–9 (56 ref.)

PHARMACOKINETICS

Use of biological markers and pharmacokinetics in human health risk assessment. Hattis D.
Environ Health Perspect 1991 Jan;90:229–38 (55 ref.)

TOXICITY

The use of short-term tests in detecting carcinogenicity of complex mixtures. Anderson D. **IARC Sci Publ** 1990; (104):89–100 (89 ref.)
Screening assays for carcinogenic agents and mixtures: an appraisal based on data in the IARC Monograph series. Bartsch H, et al. **IARC Sci Publ** 1990;(104):65–74 (21 ref.)
Interaction between human carcinogens. Kaldor JM, et al. **IARC Sci Publ** 1990;(104):35–43 (29 ref.)
Mouse skin tumours and human lung cancer: relationships with complex environmental emissions. Nesnow S.
IARC Sci Publ 1990;(104):44–54 (41 ref.)
Genetic activity profiles--application in assessing potential carcinogenicity of complex environmental mixtures. Waters MD, et al. **IARC Sci Publ** 1990;(104):75–88 (23 ref.)
Chemical mixtures and interactive carcinogenesis: in vitro studies. Williams GM. **IARC Sci Publ** 1990;(104):107–12 (28 ref.)
Polycyclic aromatic hydrocarbon carcinogens. Dipple A, et al. **Prog Clin Biol Res** 1990;347:109–27 (48 ref.)

CARCINOID HEART DISEASE

Carcinoid heart disease. A cardiologist's viewpoint. Lundin L. **Acta Oncol** 1991;30(4):499–502 (34 ref.)

CARCINOID TUMOR

Recent advances in carcinoids and gastrointestinal neuroendocrine tumors. Basser RL, et al.
Curr Opin Oncol 1991 Feb;3(1):109–20 (117 ref.)
Carcinoid tumor of the larynx. A critical review of the literature. el-Naggar AK, et al.
ORL J Otorhinolaryngol Relat Spec 1991;53(4):188–93 (19 ref.)
Atypical carcinoid tumor of the larynx. A critical review of the literature. Woodruff JM, et al.
ORL J Otorhinolaryngol Relat Spec 1991;53(4):194–209 (86 ref.)
Malignant tumours of the stomach. Cuschieri A.
Recenti Prog Med 1990 Jun;81(6):374–86 (53 ref.)
[Neuroendocrine tumors of the pancreas and gastrointestinal tract] Höring E, et al. **Dtsch Med Wochenschr** 1991 Aug 2;116(31–32):1197–202 (35 ref.) **(Ger)**

BLOOD

Peptide hormones as tumor markers in neuroendocrine gastrointestinal tumors. Eriksson B, et al. **Acta Oncol** 1991; 30(4):477–83 (30 ref.)

CLASSIFICATION

Terminology and classification of neuroendocrine neoplasms of the larynx. Ferlito A, et al.
ORL J Otorhinolaryngol Relat Spec 1991;53(4):185–7 (30 ref.)

COMPLICATIONS

Metastatic ossified gastric carcinoid with hypergastrinemia associated with gastric and thyroid autoantibodies. Linz AJ, et al. **J Am Osteopath Assoc** 1990 Dec;90(12):1092, 1095–9 (23 ref.)
Neurological manifestations of neuroendocrine neoplasms of the larynx. Deleu D, et al.
ORL J Otorhinolaryngol Relat Spec 1991;53(4):250–8 (42 ref.)

DIAGNOSIS

Diagnostic criteria of classical carcinoids. Wilander E, et al.
Acta Oncol 1991;30(4):469–75 (23 ref.)
Contribution of immunohistochemistry in the diagnosis of neuroendocrine neoplasms of the larynx. Ferlito A, et al.
ORL J Otorhinolaryngol Relat Spec 1991;53(4):235–44 (60 ref.)

ETIOLOGY

Carcinoid tumor of the common bile duct: evidence for its origin in metaplastic endocrine cells. Barrón-Rodríguez LP, et al. **Am J Gastroenterol** 1991 Aug;86(8):1073–6 (23 ref.)
Proposed mechanism of induction of gastric carcinoids: the gastrin hypothesis. Håkanson R, et al.
Eur J Clin Invest 1990 Oct;20 Suppl 1:S65–71 (54 ref.)
[Gastric carcinoid polyp and type A atrophic gastritis] Vareal E, et al. **An Med Interna** 1989 May;6(5):249–51 (13 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

Primary carcinoid of the common bile duct. Immunohistochemical characterization of a case and review of the literature. Angeles-Angeles A, et al.
Am J Clin Pathol 1991 Sep;96(3):341–4 (16 ref.)
Growth-hormone releasing hormone in a bronchial carcinoid. Huber RM, et al. **Cancer** 1991 May 15; 67(10):2538–42 (29 ref.)

PATHOLOGY

Neuroendocrine tumours in the respiratory tract. de Bruïne AP, et al. **Acta Histochem Suppl** 1990;38:99–105 (14 ref.)
Mixed (composite) glandular-endocrine cell carcinoma of the stomach. Report of a case and review of literature. Yang GC, et al. **Am J Surg Pathol** 1991 Jun;15(6):592–8 (24 ref.)
Carcinoid tumor of the larynx. Sato K, et al.
Auris Nasus Larynx 1991;18(1):39–53 (29 ref.)
Carcinoid tumor occurring in a mature testicular teratoma. Miliauskas JR. **Pathology** 1991 Jan;23(1):72–4 (23 ref.)
Neuroendocrine neoplasms of the mediastinum. Wick MR, et al. **Semin Diagn Pathol** 1991 Feb;8(1):35–51 (80 ref.)
[Pathology and biologic behavior of laryngeal carcinoid] Liang CH. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1989; 24(2):98–100, 127 (9 ref.) (Eng. Abstr.) **(Chi)**
[Development of 62 typical carcinoid tumor of the bronchi surgically treated. Prognostic value of histopathological features] Roeslin N, et al. **Ann Chir** 1990;44(8):632–5 (14 ref.) (Eng. Abstr.) **(Fre)**
[Primary testicular carcinoid tumor with teratoma: a case report] Nagakawa O, et al. **Hinyokika Kiyo** 1991 Jun; 37(6):641–5 (18 ref.) (Eng. Abstr.) **(Jpn)**
[Carcinoid of Meckel's diverticulum. Report of a case and review of the literature] Jotz GP, et al.
Arq Gastroenterol 1990 Jan-Mar;27(1):30–2 (16 ref.) (Eng. Abstr.) **(Por)**

PHYSIOPATHOLOGY

The gastrin hypothesis. Implications for antisecretory drug selection. Karnes WE Jr, et al. **J Clin Gastroenterol** 1990; 12 Suppl 2:S7–12 (70 ref.)

SECONDARY

[Primary carcinoid tumor of the testis with metastasis to the upper vertebrae. Report of a case] Shimura S, et al.
Nippon Hinyokika Gakkai Zasshi 1991 Jul;82(7):1157–60

(13 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Abdominal surgery in patients with midgut carcinoid tumors. Akerström G, et al. **Acta Oncol** 1991;30(4):547–53 (29 ref.)
Carcinoid tumor of the biliary duct. Bumin C, et al. **Int Surg** 1990 Oct–Dec;75(4):262–4 (14 ref.)
[Our experience of the surgical treatment of thirty-nine tracheobronchial carcinoid tumors] Balawi A, et al. **Ann Chir** 1991;45(2):155–61 (25 ref.) (Eng. Abstr.) **(Fre)**
[Recurrent thymic carcinoid tumor—report of a case] Nawata S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jun;39(6):962–6 (14 ref.) (Eng. Abstr.) **(Jpn)**
[Carcinoid tumor of the appendix. Review in connection with a clinical case] Domínguez Cunchillos M, et al. **An Esp Pediatr** 1990 Oct;33(4):381–3 (14 ref.) **(Spa)**

THERAPY

Thymic carcinoid—a case report and review of the literature. Akiyama S, et al. **Jpn J Surg** 1990 Sep;20(5):577–81 (4 ref.)
Treatment of neuroendocrine neoplasms of the larynx. Moisa II, et al. **ORL J Otorhinolaryngol Relat Spec** 1991; 53(4):259–64 (28 ref.)
[Carcinoid tumors. Carcinoid syndrome. Clinicopathologic and therapeutic aspects] Torramadé Ribas J, et al. **Rev Esp Enferm Dig** 1991 Feb;79(2):129–37 (97 ref.) (Eng. Abstr.) **(Spa)**
[Surgical and ischemic treatment in malignant carcinoid of the small intestine] Akerström G, et al. **Lakartidningen** 1991 May 22;88(21):1983–5 (14 ref.) **(Swe)**

CARCINOMA

Follicular and Hürthle cell carcinoma of the thyroid. Cooper DS, et al. **Endocrinol Metab Clin North Am** 1990 Sep; 19(3):577–91 (97 ref.)
Cancer of the prostate—an overview. Roy JB. **J Okla State Med Assoc** 1990 Dec;83(12):591–3 (21 ref.)
Carcinoma of the colon in children: a case report and review of 41 Japanese cases. Taguchi T, et al. **J Pediatr Gastroenterol Nutr** 1991 Apr;12(3):394–9 (51 ref.)
Analysis of eight Sipple's syndrome patients and review of eighty-two cases from the Japanese literature. Oishi S, et al. **Jpn J Clin Oncol** 1990 Dec;20(4):392–406 (91 ref.)
Carcinoma of the male breast. Seitzinger JW. **N J Med** 1990 Oct;87(10):803–9 (19 ref.)
Malignant tumours of the stomach. Cuschieri A. **Recenti Prog Med** 1990 Jun;81(6):374–86 (53 ref.)
Medullary carcinoma of the thyroid: current diagnosis and management. Lairmore TC, et al. **Semin Surg Oncol** 1991 Mar–Apr;7(2):92–9 (51 ref.)
[Carcinoma of the gallbladder: presentation of 6 clinical cases and review of the literature] Vietri F, et al. **G Chir** 1988 Oct;9(10):687–93 (49 ref.) (Eng. Abstr.) **(Ita)**
[Epithelial tumors of the upper urinary tract] Pérez Garnelo MJ, et al. **Actas Urol Esp** 1991 Jan–Feb;15(1):18–24 (41 ref.) (Eng. Abstr.) **(Spa)**

CHEMISTRY

[Immunohistochemistry of thyroid cancers. II. Medullary carcinomas (CMT) and "mixed" or "intermediate" tumors] De Micco C. **Ann Pathol** 1990;10(5–6):297–312 (186 ref.) **(Fre)**

CLASSIFICATION

Staging of exocrine pancreatic carcinoma. Hermanek P. **Eur J Surg Oncol** 1991 Apr;17(2):167–72 (28 ref.)

COMPLICATIONS

Budd Chiari syndrome in a post partum female with adrenal cortical carcinoma. Case report and review of the literature. González Keelan C, et al. **Bol Asoc Med P R** 1990 Dec; 82(12):538–40 (14 ref.)
[Paget's disease and metastatic epithelioma on the same bone. 11 new cases and review of the literature (published erratum appears in Rev Rhum Mal Osteoartic 1990 Dec;57(12):903)] Crouzet J, et al. **Rev Rhum Mal Osteoartic** 1990 Jul–Sep;57(7–8):517–20 (23 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Breast disease. The role of the nurse-midwife. Brucker MC, et al. **J Nurse Midwifery** 1991 Jan–Feb;36(1):63–73 (34 ref.)
Detection of exfoliated bladder cancer cells by monoclonal antibodies to tumor-associated cell surface antigens. Lin CW, et al. **J Occup Med** 1990 Sep;32(9):910–6 (42 ref.)
Sebaceous carcinoma of the eyelid: pitfalls in diagnosis. Yeatts RP, et al. **Ophthal Plast Reconstr Surg** 1985; 1(1):35–42 (20 ref.)
Controversies in the diagnosis and treatment of early carcinoma of the larynx. Loré JM Jr. **Semin Surg Oncol** 1991 Jan–Feb;7(1):31–7 (9 ref.)
[Giant cell tumor. Apropos of a costovertebral site] Barberet G, et al. **J Radiol** 1991 Feb;72(2):117–21 (14 ref.) (Eng. Abstr.) **(Fre)**
[Diagnosis of medullary thyroid gland carcinoma] Kujat C, et al. **Dtsch Med Wochenschr** 1990 Sep 28;115(39):1475–9 (24 ref.) **(Ger)**

DRUG THERAPY

Successful treatment of metastatic thymic carcinoma with cisplatin, vinblastine, bleomycin, and etoposide chemotherapy. Carlson RW, et al. **Cancer** 1990 Nov 15; 66(10):2092–4 (24 ref.)
Hormonal aspects of endometrial cancer. Sutton G. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):69–73 (16 ref.)
Adjuvant treatment of node-positive colon carcinoma with levamisole and 5-fluorouracil. Grem JL. **Oncology (Williston Park)** 1991 Mar;5(3):63–70, 73; discussion 73–4 (47 ref.)
Chemotherapy as part of the initial treatment for nasopharyngeal cancer. Harrison LB, et al. **Oncology (Williston Park)** 1991 Feb;5(2):67–70;discussion 70–1,74,79 passim (19 ref.)
Role of thyroid stimulating hormone suppression in the management of thyroid cancer. Thomas CG Jr. **Semin Surg Oncol** 1991 Mar–Apr;7(2):115–9 (49 ref.)
[The photodynamic therapy of gastrointestinal carcinomas. The determination of the place of a new treatment method] Schlag P, et al. **Dtsch Med Wochenschr** 1991 Apr 19; 116(16):619–24 (36 ref.) **(Ger)**
[Combined chemo- and hormone-therapy in advanced ovarian carcinoma—theoretical, experimental foundations and clinical results] Sevelda P. **Wien Klin Wochenschr Suppl** 1990;183:3–29 (120 ref.) (Eng. Abstr.) **(Ger)**
[Adjuvant chemotherapy of colorectal carcinoma] Casali P, et al. **Ann Ital Chir** 1990 Sep–Oct;61(5):509–13 (22 ref.) (Eng. Abstr.) **(Ita)**

EPIDEMIOLOGY

Latent malignancies at autopsy: a little used source of information on cancer biology. Tulinius H. **IARC Sci Publ** 1991;(112):253–61 (19 ref.)
Melanoma and nonmelanoma skin cancer: epidemiology and risk factors. Fraser MC, et al. **Semin Oncol Nurs** 1991 Feb; 7(1):2–12 (72 ref.)
Incidence of carcinoma of the thyroid in nodular goiter. Cole WH. **Semin Surg Oncol** 1991 Mar–Apr;7(2):61–3 (8 ref.)
[Multiple colorectal cancer] Rodolico G, et al. **Ann Ital Chir** 1990 Sep–Oct;61(5):515–9 (36 ref.) **(Ita)**
[The clinical relevance of epidemiology in the surgical treatment of esophageal carcinoma] Albertino B, et al. **Minerva Chir** 1990 Aug;45(15–16):997–1002 (43 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

[Undescended testes. Current state of knowledge] Desgrandchamps F. **J Urol (Paris)** 1990;96(8):407–14 (58 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

The c-myc proto-oncogene in invasive carcinomas of the uterine cervix: clinical relevance of overexpression in early stages of the cancer. Riou GF, et al. **Anticancer Res** 1990 Sep–Oct;10(5A):1225–31 (36 ref.)
Familial factors and genetic predisposition to cancer: population studies. Lynch HT, et al. **Cancer Detect Prev** 1991;15(1):49–57 (52 ref.)
Characterization of chromosomal anomalies in human breast cancer. A comparison of 30 paradiploid cases with few chromosome changes. Dutrillaux B, et al. **Cancer Genet Cytogenet** 1990 Oct 15;49(2):203–17 (20 ref.)
Changing concepts in the management of hereditary and sporadic medullary thyroid carcinoma. Grauer A, et al. **Endocrinol Metab Clin North Am** 1990 Sep;19(3):613–35 (112 ref.)
Familial occurrence of tumours of the choroid plexus. Zwetsloot CP, et al. **J Med Genet** 1991 Jul;28(7):492–4 (8 ref.)
[Medullary cancer of the thyroid] Calmettes C. **Bull Cancer (Paris)** 1990;77(11):1063–72 (32 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Immunological aspects of mammary tumors in dogs and cats: a survey including own studies and pertinent literature. Rutten VP, et al. **Vet Immunol Immunopathol** 1990 Nov; 26(3):211–25 (49 ref.)
[Immunologic and immunotherapeutic aspects of colonic carcinoma] Arnoldi E. **Ann Ital Chir** 1990 Sep–Oct; 61(5):495–8 (34 ref.) **(Ita)**

MORTALITY

Nasopharyngeal carcinoma in children. Roper HP, et al. **Pediatr Hematol Oncol** 1986;3(2):143–52 (18 ref.)

PATHOLOGY

Neuroendocrine tumours in the respiratory tract. de Bruïne AP, et al. **Acta Histochem Suppl** 1990;38:99–105 (14 ref.)
Mixed (composite) glandular-endocrine cell carcinoma of the stomach. Report of a case and review of literature. Yang GC, et al. **Am J Surg Pathol** 1991 Jun;15(6):592–8 (24 ref.)
Histopathologic grading of salivary gland neoplasms: II. Acinic cell carcinomas. Batsakis JG, et al. **Ann Otol Rhinol Laryngol** 1990 Nov;99(11):929–33 (21 ref.)
Undifferentiated carcinomas of salivary glands. Batsakis JG, et al. **Ann Otol Rhinol Laryngol** 1991 Jan;100(1):82–4 (13 ref.)
Carcinoma in hyperplastic polyps of the stomach. An underestimated possibility. Case reports. Orlowska J, et al. **APMIS** 1991 May;99(5):398–404 (21 ref.)
Medullary cancer of the breast revisited. Fisher ER, et al. **Breast Cancer Res Treat** 1990 Oct;16(3):215–29 (28 ref.)
Acinic cell carcinoma. Clinicopathologic review. Lewis JE, et al. **Cancer** 1991 Jan 1;67(1):172–9 (30 ref.)
Intraoperative pathologic diagnosis of thyroid neoplasms. Report on experience with 504 specimens. Rosen Y, et al. **Cancer** 1990 Nov 1;66(9):2001–6 (23 ref.)
Staging of exocrine pancreatic carcinoma. Hermanek P. **Eur J Surg Oncol** 1991 Apr;17(2):167–72 (28 ref.)
Histological typing of pancreatic and periampullary carcinoma. Klöppel G, et al. **Eur J Surg Oncol** 1991 Apr; 17(2):139–52 (46 ref.)
Carcinoma of the vulva with sarcomatoid features: a case report with immunohistochemical study. Santeusanio G, et al. **Gynecol Oncol** 1991 Feb;40(2):160–3 (20 ref.)
Transitional cell carcinoma of the urinary bladder with osteoclast-type giant cells: a report of two cases and review of the literature. Zukerberg LR, et al. **Histopathology** 1990 Nov;17(5):407–11 (30 ref.)
Mucoepidermoid carcinoma of the larynx. Snow RT, et al. **J Am Osteopath Assoc** 1991 Feb;91(2):182–4, 187–9 (24 ref.)
Troublesome tumours. 1: Adnexal tumours of the skin. Cotton D. **J Clin Pathol** 1991 Jul;44(7):543–8 (24 ref.)
Malignant transformation of a Hürthle cell tumor: case report and survey of the literature. McDonald RJ, et al. **J Nucl Med** 1991 Jun;32(6):1266–9 (38 ref.)
Primary mucoepidermoid carcinoma of Stensen's duct. Haar JG, et al. **J Oral Maxillofac Surg** 1991 Jan;49(1):81–4 (26 ref.)
The clinical and biological significance of the transitional mucosa adjacent to colorectal cancer. Wang QA, et al. **Jpn J Surg** 1991 May;21(3):253–61 (62 ref.)
Epithelial tumors of the lacrimal gland: clinico-pathologic correlation and management. Riedel KG, et al. **Neurosurg Rev** 1990;13(4):289–98 (37 ref.)
Mucoepidermoid carcinoma of the lacrimal gland. Case report and review of the literature. Sofinski SJ, et al. **Ophthal Plast Reconstr Surg** 1986;2(3):147–51 (19 ref.)
Thyroid and parathyroid cancer. Gluck WL. **Otolaryngol Clin North Am** 1990 Dec;23(6):1181–97 (56 ref.)
Thymomas and thymic carcinomas. Walker AN, et al. **Semin Diagn Pathol** 1990 Nov;7(4):250–65 (89 ref.)
[Muco-epidermoid tumors of the parotid gland. Diagnostic and therapeutic attitudes] Belloc JB, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(2):119–25 (24 ref.) (Eng. Abstr.) **(Fre)**
[Tumors of the submaxillary gland] Hamoir M, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(1):26–9 (13 ref.) (Eng. Abstr.) **(Fre)**
[Medium-malignancy tumors of the parotid gland] Piquet JJ, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(8):532–7 (10 ref.) (Eng. Abstr.) **(Fre)**
[Primary carcinoma of the pituitary gland with Cushing's syndrome and metastases. Apropos of a case with review of the literature] Lévesque H, et al. **Rev Med Interne** 1991 May–Jun;12(3):209–12 (25 ref.) (Eng. Abstr.) **(Fre)**
[Pathology of 2A and 2B multiple endocrine neoplasia—a current assessment] Schröder S, et al. **Pathologe** 1991 May; 12(3):131–7 (64 ref.) **(Ger)**
[TNM-oriented therapy planning in bladder cancer] Goepel M, et al. **Urologe [A]** 1991 May;30(3):151–7 (94 ref.) (Eng. Abstr.) **(Ger)**
[Sipple's syndrome: a case report] Takaha N, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1309–12 (10 ref.) (Eng. Abstr.) **(Jpn)**
[Volumetric and structural changes of prostatic carcinoma under hormonal treatment] Boronat F, et al. **Arch Esp Urol** 1990;43 Suppl 1:97–100 (15 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

The transition of benign to malignant in epithelial and mesenchymal tumours. Koten JW, et al. **Anticancer Res** 1991 Mar–Apr;11(2):567–8 (4 ref.)
Endocrine factors in common epithelial ovarian cancer. Rao BR, et al. **Endocr Rev** 1991 Feb;12(1):14–26 (179 ref.)

PREVENTION & CONTROL

Carcinoma in situ of the cervix and its malignant potential. A lesson from New Zealand. Chang AR. **Cytopathology** 1990;1(6):321–8 (51 ref.)
Current management of primary breast cancer. Part I: Screening, diagnosis, staging and local treatment of stage I and II disease. Lopez MJ, et al. **Mo Med** 1990 Sep; 87(9):684–90 (14 ref.)
The role of the nurse in skin cancer prevention, screening, and early detection. Berwick M, et al. **Semin Oncol Nurs** 1991 Feb;7(1):64–71 (39 ref.)

RADIOGRAPHY

What to do when an x-ray film suggests lung cancer. Petty TL. **Postgrad Med** 1991 Mar;89(4):101–4 (14 ref.)

RADIONUCLIDE IMAGING

Nonfunctioning parathyroid carcinoma. Klink BK, et al.

Am Surg 1991 Jul;57(7):463–7 (22 ref.)

Iodine 131 metaiodobenzylguanidine scintigraphy of medullary carcinoma of the thyroid [published erratum appears in South Med J 1991 Jul;84(7):816, 937] Skowsky WR, et al. **South Med J** 1991 May;84(5):636–41 (33 ref.)

RADIOTHERAPY

Carcinoma of the uterine cervix treated by irradiation alone. Results of treatment at the National Cancer Center, Tokyo. Akine Y, et al. **Acta Oncol** 1990;29(6):747–53 (15 ref.)

High dose rate sources in remote afterloading brachytherapy: implications for intracavitary and interstitial treatment of carcinoma. Syzek EJ, et al. **J Okla State Med Assoc** 1990 Nov;83(11):541–5 (36 ref.)

Brachytherapy in head and neck cancer: selection criteria and results at the University of Florida. Part 1. Mendenhall WM, et al. **Oncology (Williston Park)** 1991 Jan;5(1):87–93 (0 ref.)

Radiotherapy and anaemia—the clinical experience. Dische S. **Radiother Oncol** 1991;20 Suppl 1:35–40 (23 ref.)

[Iodine-125 seed implantation in the treatment of prostatic carcinoma] Hammer J. **Strahlenther Onkol** 1991 Feb; 167(2):63–81 (209 ref.) (Eng. Abstr.) **(Ger)**

[The value of and indications for radiotherapy in endometrial carcinoma] Kucera H. **Strahlenther Onkol** 1991 Jul; 167(7):381–6 (25 ref.) (Eng. Abstr.) **(Ger)**

[Update on and perspectives of radiotherapy in the treatment of colonic carcinoma] Cionini L, et al. **Ann Ital Chir** 1990 Sep–Oct;61(5):499–507 (100 ref.) **(Ita)**

SECONDARY

Combined hepatic and vena caval resection with autogenous caval graft replacement. Miller CM, et al. **Arch Surg** 1991 Jan;126(1):106–8 (8 ref.)

The role of etoposide in the treatment of poorly differentiated carcinoma of unknown primary site. Hainsworth JD, et al. **Cancer** 1991 Jan 1;67(1 Suppl):310–4 (22 ref.)

Metastatic calcification in a patient with malignant parathyroid carcinoma. Correlation of clinical, surgical, radiographic, and scintigraphic findings. Davidson RM, et al. **Clin Nucl Med** 1990 Oct;15(10):692–6 (22 ref.)

Early brain metastases in endometrial carcinoma. Kottke-Marchant K, et al. **Gynecol Oncol** 1991 Apr; 41(1):67–73 (29 ref.)

The Sister (Mary) Joseph nodule: its significance in gynecology. Majmudar B, et al. **Gynecol Oncol** 1991 Feb; 40(2):152–9 (35 ref.)

Primary pituitary carcinoma with spinal cord metastasis—case report. Sakamoto T, et al. **Neurol Med Chir (Tokyo)** 1990 Oct;30(10):763–7 (33 ref.)

The prevention of LHRH induced disease flares in patients with metastatic carcinoma of the prostate. Boccon-Gibod L. **Prog Clin Biol Res** 1990;359:125–9; discussion 141–53 (14 ref.)

[Mediastinal adenopathy and cancer of the prostate] Boyer L, et al. **Rev Mal Respir** 1991;8(1):115–7 (9 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Resection of a granular cell tumor at the hepatic confluence. A precarious location for a benign tumor. Sanchez JA, et al. **Am Surg** 1991 Jul;57(7):446–50 (47 ref.)

Peri-operative care for oesophagectomy patients. Byth PL, et al. **Aust Clin Rev** 1991;11(1–2):45–50 (12 ref.)

Secondary surgery for epithelial ovarian cancer. Ball HG 3d. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):57–63 (20 ref.)

The management of malignant tumors of the nasal sinuses. Harrison DF. **Otolaryngol Clin North Am** 1971 Feb; 4(1):159–77 (10 ref.)

Selection of breast-preservation therapy for primary invasive breast carcinoma. Cady B, et al. **Surg Clin North Am** 1990 Oct;70(5):1047–59 (39 ref.)

Management of the pregnant patient with carcinoma of the breast. Barnavon Y, et al. **Surg Gynecol Obstet** 1990 Oct; 171(4):347–52 (52 ref.)

[Cancer of the hypopharynx and cervical esophagus. Role and limits of the surgical treatment] Peracchia A, et al. **Chirurgie** 1990;116(4–5):351–7; discussion 357–8 (30 ref.) (Eng. Abstr.) **(Fre)**

[Decision-making for lymph node excision in surgery of thyroid cancer. Extemporaneous examination of the external supraclavicular lymph nodes] Proye C, et al. **Chirurgie** 1990;116(3):290–4; discussion 294–5 (28 ref.) (Eng. Abstr.) **(Fre)**

[Giant-cell tumor of the lower end of the radius treated by resection-arthrodesis. Report of 9 cases] Tomeno B, et al. **Rev Chir Orthop** 1990;76(6):420–4 (15 ref.) (Eng. Abstr.) **(Fre)**

[Palliative surgical treatment of cancer of the esophagus] Müller JM, et al. **Med Klin** 1991 Jan 15;86(1):24–31 (35 ref.) (Eng. Abstr.) **(Ger)**

[Cytological analysis of peritoneal lavage fluid in patients during operation for cancer of the myometrium] Forgách J, et al. **Orv Hetil** 1991 Jun 9;132(23):1253–6 (38 ref.) (Eng. Abstr.) **(Hun)**

[Hürthle cell tumor of the thyroid: which surgical approach?] Favia G, et al. **G Chir** 1989 Apr;10(4):163–6 (19 ref.) (Eng. Abstr.) **(Ita)**

THERAPY

Consensus conference. Treatment of early stage breast cancer. National Institutes of Health. **Conn Med** 1991 Feb; 55(2):101–7 (0 ref.)

Treatment of thyroid malignancies. Kenady DE, et al. **Curr Opin Oncol** 1991 Feb;3(1):128–38 (141 ref.)

Nasopharyngeal carcinoma. Biology, natural history, and therapeutic implications. Cvitkovic E, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):821–38 (128 ref.)

Current management of cancer of the lip. Baker SR. **Oncology (Williston Park)** 1990 Sep;4(9):107–20; discussion 122–4 (33 ref.)

Management of choroid plexus tumors in children. Johnson DL. **Pediatr Neurosci** 1989;15(4):195–206 (63 ref.)

[Long-term clinical course after second laparotomy in ovarian cancer] Stöckle E, et al. **Bull Cancer (Paris)** 1990; 77(11):1087–98 (28 ref.) (Eng. Abstr.) **(Fre)**

[Adjuvant therapy in colonic carcinoma] Pflüger KH, et al. **Dtsch Med Wochenschr** 1991 Jul 26;116(30):1151–3 (12 ref.) **(Ger)**

[Current aspects of diagnosis, therapy and follow-up care of ovarian carcinoma] Lotze W. **Z Arztl Fortbild (Jena)** 1991 Mar 25;85(6):242–5 (15 ref.) **(Ger)**

CARCINOMA, BASAL CELL

Squamous cell and basal cell skin carcinoma and rarer histologic types of skin cancer. Mortimer P. **Curr Opin Oncol** 1991 Apr;3(2):349–54 (29 ref.)

Biology of basal cell carcinoma (Part II). Miller SJ. **J Am Acad Dermatol** 1991 Feb;24(2 Pt 1):161–75 (236 ref.)

Biology of basal cell carcinoma (Part I). Miller SJ. **J Am Acad Dermatol** 1991 Jan;24(1):1–13 (194 ref.)

CHEMICALLY INDUCED

[Puva therapy and carcinogenesis] Thomas P, et al. **Ann Dermatol Venereol** 1991;118(6–7):503–6 (27 ref.) **(Fre)**

DIAGNOSIS

Basal and squamous cell carcinomas: an overview. Vargo NL. **Semin Oncol Nurs** 1991 Feb;7(1):13–25 (56 ref.)

IMMUNOLOGY

Immune response to basal cell and squamous cell carcinomas. Grimwood RE. **Immunol Ser** 1989;46:789–98 (43 ref.)

PATHOLOGY

Basal-cell carcinoma complicating a port-wine stain. Duhra P, et al. **Clin Exp Dermatol** 1991 Jan;16(1):63–5 (8 ref.)

Newer variants and simulants of basal cell carcinoma. Lowe L, et al. **J Dermatol Surg Oncol** 1991 Aug;17(8):641–8 (47 ref.)

[Paget's disease of the nipple associated with epidermal basaloid hyperplasia simulating basal cell carcinoma] Tousignant J, et al. **Ann Dermatol Venereol** 1991; 118(3):211–4 (28 ref.) **(Fre)**

[Bowen's disease, Paget's disease and basalioma of the anal region] Gross E. **Z Gastroenterol Verh** 1991 Mar;26:176–80 (48 ref.) **(Ger)**

SECONDARY

Pulmonary metastasis in nevoid basal cell carcinoma syndrome. Berardi RS, et al. **Int Surg** 1991 Jan–Mar; 76(1):64–6 (27 ref.)

Metastatic basal cell carcinoma: report of twelve cases with a review of the literature. Lo JS, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 1):715–9 (67 ref.)

SURGERY

Modified nasolabial transposition flap provides vestibular lining and cover of alar defect with intact rim. Robinson JK, et al. **Arch Dermatol** 1990 Nov;126(11):1425–7 (14 ref.)

Skin cancer: a review with consideration of treatment options including Mohs micrographic surgery. Lambert DR, et al. **Ohio Med** 1990 Oct;86(10):745–7 (7 ref.)

Mohs micrographic surgery. Hruza GJ. **Otolaryngol Clin North Am** 1990 Oct;23(5):845–64 (79 ref.)

[A basal cell carcinoma of the esophagus—a case report] Hanada M, et al. **Gan No Rinsho** 1990 Oct;36(12):2158–62 (13 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Advanced basal and squamous cell carcinomas of the skin of the head and neck. Weber RS, et al. **Cancer Treat Res** 1990;52:61–81 (54 ref.)

ULTRASTRUCTURE

Signet ring cell basal cell carcinoma. White GM, et al. **Am J Dermatopathol** 1991 Jun;13(3):288–92 (16 ref.)

CARCINOMA, BRONCHIAL see **CARCINOMA, BRONCHOGENIC**

CARCINOMA, BRONCHOGENIC

[Acquired paraneoplastic hypertrichosis lanuginosa associated with scleroderma] Valda Rodriguez L, et al. **Ann Dermatol Venereol** 1990;117(9):605–10 (15 ref.) (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

[Asbestos-induced lung diseases] Lange P, et al. **Ugeskr Laeger** 1990 Nov 19;152(47):3520–4 (30 ref.) (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Subdural hematoma associated with metastatic neoplasms. McKenzie CR, et al. **Neurosurgery** 1990 Oct;27(4):619–24; discussion 624–5 (51 ref.)

DIAGNOSIS

[Diagnosis and prognostic assessment of bronchial cancer] Konietzko N. **Chirurg** 1990 Aug;61(8):551–7 (14 ref.) **(Ger)**

[Tumor markers, significance for clinical diagnosis] Gropp C. **Pneumologie** 1991 Apr;45(4):137–9 (11 ref.) (Eng. Abstr.) **(Ger)**

[Early diagnosis of bronchial carcinoma] Neumann G. **Pneumologie** 1990 Aug;44(8):925–42 (201 ref.) **(Ger)**

DRUG THERAPY

[Chemotherapy in non-small cell bronchial carcinoma. 12 years' experience in an international cooperative group: EORTC Lung Cancer Working Party] Lacroix H, et al. **Bull Cancer (Paris)** 1990;77(10):997–1005 (36 ref.) (Eng. Abstr.) **(Fre)**

[Chemotherapy of bronchial carcinoma] Wolf M, et al. **Chirurg** 1990 Aug;61(8):571–7 (15 ref.) **(Ger)**

PATHOLOGY

Imaging strategies in the staging of lung cancer. Webb WR, et al. **Clin Chest Med** 1991 Mar;12(1):133–50 (62 ref.)

[Distal metastases of bronchial cancers. Bone and soft tissue metastases] Letanche G, et al. **Bull Cancer (Paris)** 1990; 77(10):1025–30 (16 ref.) (Eng. Abstr.) **(Fre)**

[Muscular metastasis of primary bronchial carcinoma] Menard O, et al. **Rev Pneumol Clin** 1990;46(4):183–6 (16 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Value of superior angiocardiography in the evaluation of the surgical excision of bronchial cancer. Respective role compared to thoracic x-ray computed tomography] Regnard JF, et al. **Ann Chir** 1990;44(8):655–9 (15 ref.) (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

[Nuclear medicine diagnosis in bronchial cancer] Neumann K, et al. **Med Klin** 1991 Jun 15;86(6):309–17 (94 ref.) **(Ger)**

RADIOTHERAPY

[Radiotherapy of bronchial carcinoma] Wannenmacher M, et al. **Chirurg** 1990 Aug;61(8):565–70 (15 ref.) **(Ger)**

SURGERY

[Justifications and benefits of exploratory thoracotomy in stage IIIb bronchopulmonary cancer] Bergeron P, et al. **Ann Chir** 1990;44(8):662–9 (29 ref.) (Eng. Abstr.) **(Fre)**

[Is the excision surgery of bronchial cancer in patients over 70 years of age justified?] Richelme H, et al. **Chirurgie** 1990; 116(4–5):385–93; discussion 394 (23 ref.) (Eng. Abstr.) **(Fre)**

[Surgical therapy of bronchial carcinoma] Schildberg FW, et al. **Chirurg** 1990 Aug;61(8):558–64 (17 ref.) **(Ger)**

THERAPY

[Combined radiotherapy-chemotherapy in inoperable bronchial carcinoma (small cell carcinoma excluded)] Pellae-Cosset B, et al. **Bull Cancer (Paris)** 1990; 77(8):759–67 (47 ref.) (Eng. Abstr.) **(Fre)**

CARCINOMA, COLLOID see **CARCINOMA, MUCINOUS**

CARCINOMA, DUCTAL

Intraductal carcinoma of the tongue. Report of a case. Watatani K, et al. **Int J Oral Maxillofac Surg** 1991 Jun; 20(3):175–6 (9 ref.)

COMPLICATIONS

The infrequent association of systemic lupus erythematosus and solid tumors. Sulkes A, et al. **Cancer** 1991 Sep 15; 68(6):1389–93 (35 ref.)

[Orofacial manifestations of hypertrichosis lanuginosa. Review of the literature apropos of a clinical case] De Clercq D, et al. **Rev Stomatol Chir Maxillofac** 1990; 91(6):465–8 (24 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Carcinoma of the male breast (our experience and a review of the literature)] Modena S, et al. **Chir Ital** 1990 Feb–Apr; 42(1–2):27–35 (32 ref.) (Eng. Abstr.) **(Ita)**

[Multiple primary neoplasms. A report of a case with dental

involvement] Nardi P, et al. **Minerva Stomatol** 1990 Jul; 39(7):521–4 (6 ref.) (Eng. Abstr.) **(Ita)**

DRUG THERAPY

[Hormone therapy of breast carcinoma in men] Doberauer C, et al. **Dtsch Med Wochenschr** 1990 Nov 16; 115(46):1762–8 (62 ref.) **(Ger)**

EPIDEMIOLOGY

Male breast cancer—a 20-year review of 16 cases at Yonsei University. Chung HC, et al. **Yonsei Med J** 1990 Sep; 31(3):242–50 (51 ref.)

GENETICS

Characterization of chromosomal anomalies in human breast cancer. A comparison of 30 paradiploid cases with few chromosome changes. Dutrillaux B, et al. **Cancer Genet Cytogenet** 1990 Oct 15;49(2):203–17 (20 ref.)

PATHOLOGY

Multiple carcinomata associated with anomalous arrangement of the biliary and pancreatic duct system. A report of two cases with a literature survey. Morohoshi T, et al. **Acta Pathol Jpn** 1990 Oct;40(10):755–63 (31 ref.)

[Intraductal carcinomas in situ. Retrospective study of 21 cases and review of the literature] Levêque J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991;20(2):149–62 (34 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Roentgenographic evaluation of the augmented breast. Douglas KP, et al. **South Med J** 1991 Jan;84(1):49–54 (28 ref.)

RADIOTHERAPY

Radiotherapy in the management of primary and advanced breast cancer. McCormick B. **Curr Opin Oncol** 1990 Dec; 2(6):1043–8 (15 ref.)

SECONDARY

Metastatic tumors to the urinary tract. Review a propos of two cases. Sarlis NI, et al. **Acta Urol Belg** 1990;58(3):171–92 (37 ref.)

Hypertrophic pulmonary osteoarthropathy in pulmonary metastatic disease. A case report and review of the literature. Davies RA, et al. **Clin Radiol** 1991 Apr; 43(4):268–71 (23 ref.)

SURGERY

Surgery for early breast cancer. Forbes JF. **Curr Opin Oncol** 1990 Dec;2(6):1015–24 (28 ref.)

THERAPY

Current management of primary breast cancer. Part II: Adjuvant therapy and management of stage III disease and in-situ carcinoma. Lopez MJ, et al. **Mo Med** 1990 Oct; 87(10):757–62 (19 ref.)

Inoperable recurrence after breast-conserving surgical treatment and radiotherapy. Kurtz JM, et al. **Surg Gynecol Obstet** 1991 May;172(5):357–61 (31 ref.)

[Interdisciplinary communication in breast-preserving therapy of early infiltrating ductal breast carcinoma] Greiner R, et al. **Schweiz Rundsch Med Prax** 1991 Mar 12;80(11):262–8 (59 ref.) (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Growth factor receptors and the progression of breast cancer. Kern FG, et al. **Semin Cancer Biol** 1990 Oct;1(5):317–28 (114 ref.)

CARCINOMA, EPIDERMOID see **CARCINOMA, SQUAMOUS CELL**

CARCINOMA, HEPATOCELLULAR see **HEPATOMA**

CARCINOMA, HYPERNEPHROID see **CARCINOMA, RENAL CELL**

CARCINOMA IN SITU

In-situ carcinoma of the breast. Phipps RF, et al. **Br J Hosp Med** 1990 Sep;44(3):168–70, 172 (30 ref.)

CHEMISTRY

Analysis of invasive squamous cell carcinoma of the vulva and vulvar intraepithelial neoplasia for the presence of human papillomavirus DNA. Rusk D, et al. **Obstet Gynecol** 1991 Jun;77(6):918–22 (25 ref.)

COMPLICATIONS

Pharyngeal pouch carcinoma: two unusual cases. Burton MJ, et al. **J Laryngol Otol** 1990 Oct;104(10):821–3 (20 ref.)

DIAGNOSIS

[Primary carcinoma in situ of the ureter: a case report] Kobayashi Y, et al. **Hinyokika Kiyo** 1990 Nov; 36(11):1325–8 (4 ref.) (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Gonadal malignancy in individuals with sex chromosome anomalies. Müller J, et al. **Birth Defects** 1990;26(4):247–55 (25 ref.)

GENETICS

Molecular genetics of human bladder carcinomas. Perucca D, et al. **Cancer Genet Cytogenet** 1990 Oct 15;49(2):143–56 (76 ref.)

IMMUNOLOGY

In situ carcinoma-associated immunogenicity: therapeutic and prophylactic implications in breast cancer patients. Black MM, et al. **Adv Cancer Res** 1991;56:105–31 (56 ref.)

PATHOLOGY

Clinical and biological significance of carcinoma in situ of the testis. Jørgensen N, et al. **Cancer Surv** 1990;9(2):287–302 (56 ref.)

Pathology of preinvasive and excellent-prognosis breast cancer. Page DL, et al. **Curr Opin Oncol** 1990 Dec; 2(6):1031–7 (34 ref.)

Carcinoma in situ of the cervix and its malignant potential. A lesson from New Zealand. Chang AR. **Cytopathology** 1990;1(6):321–8 (51 ref.)

Cervical intraepithelial neoplasia III in an adolescent with Bowenoid papulosis. Stafford EM, et al. **J Adolesc Health Care** 1990 Nov;11(6):523–6 (17 ref.)

Endocervical glandular dysplasia, adenocarcinoma in situ, and early invasive (microinvasive) adenocarcinoma of the uterine cervix. Jaworski RC. **Semin Diagn Pathol** 1990 Aug; 7(3):190–204 (61 ref.)

[Intraductal carcinomas in situ. Retrospective study of 21 cases and review of the literature] Levêque J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991;20(2):149–62 (34 ref.) (Eng. Abstr.) **(Fre)**

RADIOTHERAPY

Radiotherapy in the management of primary and advanced breast cancer. McCormick B. **Curr Opin Oncol** 1990 Dec; 2(6):1043–8 (15 ref.)

SURGERY

The treatment of CIN: do we need lasers? [comment] Giles JA, et al. **Br J Obstet Gynaecol** 1991 Jan;98(1):3–6 (11 ref.) Comment on: Br J Obstet Gynaecol 1991 Jan;98(1):14–20.

Surgery for early breast cancer. Forbes JF. **Curr Opin Oncol** 1990 Dec;2(6):1015–24 (28 ref.)

[Plastic surgery aspects in small breast cancer] Spilker G, et al. **Chirurg** 1991 Feb;62(2):91–7 (21 ref.) **(Ger)**

THERAPY

Current management of primary breast cancer. Part II: Adjuvant therapy and management of stage III disease and in-situ carcinoma. Lopez MJ, et al. **Mo Med** 1990 Oct; 87(10):757–62 (19 ref.)

[Carcinoma in situ of the urinary bladder—definition and status of treatment] Otto T, et al. **Urologe [A]** 1991 May; 30(3):163–6 (49 ref.) (Eng. Abstr.) **(Ger)**

[Immunotherapy of urothelial neoplasms. Experimental and clinical implications of alpha interferon] Carballido J, et al. **Arch Esp Urol** 1990;43 Suppl 2:149–58 (62 ref.) **(Spa)**

URINE

Urine cytology in bladder tumors. Zein TA, et al. **Int Surg** 1991 Jan–Mar;76(1):52–4 (27 ref.)

CARCINOMA, MERKEL CELL

The Merkel cell and associated neoplasms in the eyelids and periocular region. Kivelä T, et al. **Surv Ophthalmol** 1990 Nov–Dec;35(3):171–87 (143 ref.)

DIAGNOSIS

[Merkel cell carcinoma: differential diagnosis and appropriate therapy] Atzinger A. **Rontgenpraxis** 1990 Sep;43(9):338–40 (14 ref.) **(Ger)**

DRUG THERAPY

Chemotherapy of metastatic Merkel cell carcinoma: case report and review of the literature. Sharma D, et al. **Am J Clin Oncol** 1991 Apr;14(2):166–9 (16 ref.)

Chemotherapy of metastatic Merkel cell cancer. Crown J, et al. **Cancer Invest** 1991;9(2):129–32 (18 ref.)

IMMUNOLOGY

Immunohistochemical examination of 25 cases of Merkel cell carcinoma: a comparison with small cell carcinoma of the lung and oesophagus, and a review of the literature. Johansson L, et al. **APMIS** 1990 Aug;98(8):741–52 (45 ref.)

PATHOLOGY

[Cutaneous neuroendocrine carcinoma. Apropos of a case] Bergère A, et al. **Rev Med Interne** 1990 Jul–Aug; 11(4):316–8 (8 ref.) (Eng. Abstr.) **(Fre)**

[Merkel cell tumor] De Cesare A, et al. **Ann Ital Chir** 1990 Sep–Oct;61(5):539–45 (74 ref.) (Eng. Abstr.) **(Ita)**

[Molecular characterization of cutaneous neuroendocrine (Merkel cell) carcinoma. Review of the literature and presentation of a caseload] Lanzafame S. **Pathologica** 1990 May–Jun;82(1079):257–69 (65 ref.) (Eng. Abstr.) **(Ita)**

RADIOTHERAPY

Merkel cell carcinoma: the role of primary treatment with radiotherapy. Hasle H. **Clin Oncol (R Coll Radiol)** 1991 Mar;3(2):114–6 (20 ref.)

SECONDARY

Chemotherapy of metastatic Merkel cell carcinoma: case report and review of the literature. Sharma D, et al. **Am J Clin Oncol** 1991 Apr;14(2):166–9 (16 ref.)

SURGERY

Merkel cell tumour: clinical behaviour and treatment. Shaw JH, et al. **Br J Surg** 1991 Feb;78(2):138–42 (47 ref.)

THERAPY

[Merkel cell carcinoma: differential diagnosis and appropriate therapy] Atzinger A. **Rontgenpraxis** 1990 Sep;43(9):338–40 (14 ref.) **(Ger)**

CARCINOMA, MUCINOUS

[Primary signet ring cell adenocarcinoma] Niv Y. **Harefuah** 1991 Feb 15;120(4):216–8 (45 ref.) **(Heb)**

[Colorectal mucinous adenocarcinoma] Niv Y. **Harefuah** 1991 Feb 1;120(3):151–3 (40 ref.) **(Heb)**

[Adenocarcinomas of the urachus] Salinas Sánchez AS, et al. **Arch Esp Urol** 1991 Jan–Feb;44(1):31–6 (32 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Early gastric cancer arising from localized Ménétrier's disease. Hsu CT, et al. **Gastroenterol Jpn** 1991 Apr; 26(2):213–7 (24 ref.)

[Mucoid carcinoma of the anus and perianal fistula: a clinical case and review of the literature] Bronzi R, et al. **G Chir** 1989 Apr;10(4):170–2 (10 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

Primary signet-ring cell carcinoma of the urinary bladder. Grignon DJ, et al. **Am J Clin Pathol** 1991 Jan;95(1):13–20 (42 ref.)

Signet-ring cell carcinoma of urachus: a case report and review of literature. Ravi R. **Arch Esp Urol** 1990 Oct; 43(8):927–9 (20 ref.)

An autopsy case of triple cancers including signet-ring cell carcinoma of the breast—report of a rare case with reference to a review of the literature. Misonou J, et al. **Jpn J Surg** 1990 Nov;20(6):720–5 (12 ref.)

[Utero-ovarian mucoid carcinoma, of presumed wolffian duct origin (pure mesonephrotic carcinoma). Apropos of a case and review of the literature] Pons JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1990;19(7):837–43 (32 ref.) (Eng. Abstr.) **(Fre)**

[A case of signet-ring cell carcinoma of the urinary bladder] Harada M, et al. **Hinyokika Kiyo** 1990 Sep;36(9):1073–6 (17 ref.) (Eng. Abstr.) **(Jpn)**

[Apparently bladder origin signet ring cell carcinoma: a case report] Ishizaka K, et al. **Hinyokika Kiyo** 1990 Nov; 36(11):1329–32 (15 ref.) (Eng. Abstr.) **(Jpn)**

[A case of primary signet ring cell carcinoma in urinary bladder] Nagata Y, et al. **Hinyokika Kiyo** 1991 May; 37(5):531–5 (35 ref.) (Eng. Abstr.) **(Jpn)**

[A case of signet ring cell carcinoma of the urachus] Suzuki H, et al. **Hinyokika Kiyo** 1991 Jun;37(6):633–5 (11 ref.) (Eng. Abstr.) **(Jpn)**

[Mucin-producing pancreatic cancer] Morioka K. **Nippon Geka Gakkai Zasshi** 1991 Jul;92(7):765–70 (22 ref.) **(Jpn)**

RADIOGRAPHY

[Gastric cancer presenting fine stippled calcification in radiography: a case report and a review of the Japanese literature] Takasaki M, et al. **Gan No Rinsho** 1990 Oct; 36(12):2186–92 (50 ref.) (Eng. Abstr.) **(Jpn)**

SECONDARY

Lingual metastasis from a carcinoma of the colon. A case report and review of the literature. Piattelli A. **Acta Stomatol Belg** 1990 Dec;87(4):257–64 (73 ref.)

CARCINOMA, NON-SMALL CELL LUNG

Cell biology and molecular biology of small cell and non-small cell lung cancer. Gazdar AF. **Curr Opin Oncol** 1990 Apr;2(2):321–7 (64 ref.)

DIAGNOSIS

Diagnostic and staging procedures in non-small cell lung cancer. Ginsberg RJ, et al. **Curr Opin Oncol** 1990 Apr; 2(2):328–30 (20 ref.)

Paraneoplastic syndromes and tumor markers for small cell and non-small cell lung cancer. Hansen M. **Curr Opin Oncol** 1990 Apr;2(2):345–51 (18 ref.)
Screening, staging, and diagnostic investigation of non-small cell lung cancer patients. Shields TW. **Curr Opin Oncol** 1991 Apr;3(2):297–305 (57 ref.)
Non-small cell lung cancer. Part I: Biology, diagnosis, and staging. Ihde DC, et al. **Curr Probl Cancer** 1991 Mar–Apr; 15(2):61–104 (224 ref.)
Diagnosing and staging of non-small cell lung cancer. Ferguson MK. **Hematol Oncol Clin North Am** 1990 Dec; 4(6):1053–68 (61 ref.)
Biological, molecular, and clinical markers for the diagnosis and typing of lung cancer. Gazdar AF, et al. **Immunol Ser** 1990;53:453–68 (72 ref.)

DRUG THERAPY

Role of systemic therapy in advanced non-small-cell lung cancer. Vokes EE, et al. **Am J Med** 1990 Dec;89(6):777–86 (89 ref.)
Recent advances in etoposide therapy for non-small cell lung cancer. Bonomi P. **Cancer** 1991 Jan 1;67(1 Suppl):254–9 (24 ref.)
Etoposide in the management of non-small cell lung cancer. Ruckdeschel JC. **Cancer** 1991 Jan 1;67(1 Suppl):250–3 (43 ref.)
Chemotherapy for stage IV non-small cell lung cancer. Bitran JD, et al. **Hematol Oncol Clin North Am** 1990 Dec; 4(6):1159–68 (49 ref.)
Radiotherapy plus lonidamine in non-small cell lung cancer. Cionini L. **Semin Oncol** 1991 Apr;18(2 Suppl 4):49–52 (14 ref.)
[Chemotherapy in non-small cell bronchial carcinoma. 12 years' experience in an international cooperative group: EORTC Lung Cancer Working Party] Lacroix H, et al. **Bull Cancer (Paris)** 1990;77(10):997–1005 (36 ref.) (Eng. Abstr.) **(Fre)**
[Neoadjuvant chemotherapy of non-small cell bronchial cancers] Pujol JL, et al. **Presse Med** 1991 Mar 9; 20(9):418–22 (26 ref.) (Eng. Abstr.) **(Fre)**
[Current possibilities of drug therapy of lung cancer] Borisov VI, et al. **Sov Med** 1990;(9):22–6 (32 ref.) **(Rus)**

GENETICS

Gene amplification in human lung cancer. The myc family genes and other proto-oncogenes and growth factor genes. Bergh JC. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S20–6 (77 ref.)
Genetic strategies of tumor suppression. Sager R. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S40–3 (45 ref.)
Transitions between lung cancer phenotypes--implications for tumor progression. Mabry M, et al. **Cancer Cells** 1991 Feb;3(2):53–8 (33 ref.)

PATHOLOGY

The significance of histology in non-small cell lung cancer. Rosenthal SA, et al. **Cancer Treat Rev** 1990 Dec; 17(4):409–25 (101 ref.)
Non-small cell lung cancer. Part I: Biology, diagnosis, and staging. Ihde DC, et al. **Curr Probl Cancer** 1991 Mar–Apr; 15(2):61–104 (224 ref.)
Pathology of non-small cell lung cancer. New diagnostic approaches. Linnoila I. **Hematol Oncol Clin North Am** 1990 Dec;4(6):1027–51 (144 ref.)

RADIOTHERAPY

Palliative radiotherapy. Awan AM, et al. **Hematol Oncol Clin North Am** 1990 Dec;4(6):1169–81 (34 ref.)
Non oat cell lung carcinoma: is there a role for combined brachytherapy and external radiotherapy? Trodella L, et al. **Rays** 1991 Jan–Mar;16(1):64–70 (19 ref.) **(Eng, Ita)**
Radiotherapy plus lonidamine in non-small cell lung cancer. Cionini L. **Semin Oncol** 1991 Apr;18(2 Suppl 4):49–52 (14 ref.)

SURGERY

Surgical adjuvant therapy of non-small-cell lung cancer. Holmes EC. **Cancer Treat Res** 1989;45:245–58 (20 ref.)
Surgical approach to non-small cell lung cancer stage I and II. Klingman RR, et al. **Hematol Oncol Clin North Am** 1990 Dec;4(6):1079–91 (30 ref.)
Surgical approach to non-small cell lung cancer stage IIIA. Martini N, et al. **Hematol Oncol Clin North Am** 1990 Dec; 4(6):1121–31 (48 ref.)
Neoadjuvant treatment in locally advanced non-small cell lung cancer. Faber LP, et al. **Semin Surg Oncol** 1990; 6(5):255–62 (27 ref.)
Surgical treatment of non-small cell lung cancer by stage. Martini N. **Semin Surg Oncol** 1990;6(5):248–54 (39 ref.)

THERAPY

Concurrent radiotherapy and chemotherapy for locally advanced non-small-cell cancer of the lung. Report of a clinical trial and review of the literature. Breneman JC, et al. **Am J Clin Oncol** 1991 Feb;14(1):9–15 (31 ref.)
Prospects for the management of non-small-cell carcinoma of the lung with monoclonal antibodies. Stein R, et al. **Chest** 1991 Jun;99(6):1466–76 (94 ref.)
Therapy for small cell and non-small cell lung cancer. Belani CP, et al. **Curr Opin Oncol** 1990 Apr;2(2):334–44 (38 ref.)
Management of non-small cell and small cell lung cancer. Splinter TA. **Curr Opin Oncol** 1991 Apr;3(2):312–9 (34 ref.)
Non-small cell lung cancer. Part II: Treatment. Ihde DC, et al. **Curr Probl Cancer** 1991 May–Jun;15(3):105–54 (394 ref.)
Controversies in the treatment of non-small cell lung cancer. Gregor A. **Eur J Cancer** 1991;27(3):362–6 (52 ref.)
Concurrent chemotherapy and thoracic irradiation in non-small cell lung cancer. Bonomi P, et al. **Hematol Oncol Clin North Am** 1990 Dec;4(6):1143–58 (47 ref.)
Postsurgical adjuvant therapy in stages I, II, and IIIA non-small cell lung cancer. Lad TE. **Hematol Oncol Clin North Am** 1990 Dec;4(6):1111–9 (25 ref.)
Sequential combined modality therapy for stage III non-small cell lung cancer. Vokes EE. **Hematol Oncol Clin North Am** 1990 Dec;4(6):1133–42 (35 ref.)
[Treatment of advanced non-small cell bronchial cancer--a review of the literature of the last 5 years] Prokop A, et al. **Langenbecks Arch Chir** 1991;376(1):32–7 (34 ref.) (Eng. Abstr.) **(Ger)**

CARCINOMA, OAT CELL

Small cell carcinoma of the urinary tract. Yu DS, et al. **Br J Urol** 1990 Dec;66(6):590–5 (40 ref.)
Cell biology and molecular biology of small cell and non-small cell lung cancer. Gazdar AF. **Curr Opin Oncol** 1990 Apr;2(2):321–7 (64 ref.)
Primary small cell carcinoma of the esophagus: case presentation and review of the literature. Mulder LD, et al. **Gastrointest Radiol** 1991 Winter;16(1):5–10 (22 ref.)
Small cell neuroendocrine carcinoma of the larynx. A critical review of the literature. Gnepp DR. **ORL J Otorhinolaryngol Relat Spec** 1991;53(4):210–9 (80 ref.)

CLASSIFICATION

Terminology and classification of neuroendocrine neoplasms of the larynx. Ferlito A, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(4):185–7 (30 ref.)

COMPLICATIONS

Lower extremity weakness as the initial manifestation of lung cancer [published erratum appears in Arch Phys Med Rehabil 1991 Jan;72(1):61] Rook JL, et al. **Arch Phys Med Rehabil** 1990 Nov;71(12):995–9 (22 ref.)
Neurological manifestations of neuroendocrine neoplasms of the larynx. Deleu D, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(4):250–8 (42 ref.)
[A myelo dysplastic syndrome (refractory anemia with excess of blasts) occurred in a patient with small cell lung cancer during complete response] Hatakeyama S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Nov; 28(11):1488–93 (20 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Paraneoplastic syndromes and tumor markers for small cell and non-small cell lung cancer. Hansen M. **Curr Opin Oncol** 1990 Apr;2(2):345–51 (18 ref.)
Diagnosis and staging in small cell lung cancer. Klastersky J. **Curr Opin Oncol** 1990 Apr;2(2):331–3 (14 ref.)
Biological, molecular, and clinical markers for the diagnosis and typing of lung cancer. Gazdar AF, et al. **Immunol Ser** 1990;53:453–68 (72 ref.)
Contribution of immunohistochemistry in the diagnosis of neuroendocrine neoplasms of the larynx. Ferlito A, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(4):235–44 (60 ref.)
[Lambert-Eaton myasthenia syndrome--review with case report] Engler F. **Fortschr Neurol Psychiatr** 1990 Dec; 58(12):447–54 (65 ref.) (Eng. Abstr.) **(Ger)**
[A case of small cell carcinoma of the ureter] Sakai N, et al. **Hinyokika Kiyo** 1990 Dec;36(12):1455–8 (14 ref.) (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Current status of etoposide in the management of small cell lung cancer. Johnson DH, et al. **Cancer** 1991 Jan 1;67(1 Suppl):231–44 (92 ref.)
Can human small-cell lung cancer cell lines be applied for optimizing chemotherapy? Roed H, et al. **Cancer Treat Res** 1989;45:151–72 (80 ref.)
Second-line chemotherapy in small cell lung cancer. Andersen M, et al. **Cancer Treat Rev** 1990 Dec;17(4):427–36 (43 ref.)
Hexamethylmelamine (altretamine) in small cell lung cancer (SCLC). Comis RL. **Cancer Treat Rev** 1991 Mar;18 Suppl A:85–90 (22 ref.)
Chemotherapy of small cell lung cancer. Hansen HH, et al. **Eur J Cancer** 1991;27(3):342–9 (54 ref.)
Dose-intensity meta-analysis of chemotherapy regimens in small-cell carcinoma of the lung. Klasa RJ, et al. **J Clin Oncol** 1991 Mar;9(3):499–508 (81 ref.)

EPIDEMIOLOGY

Primary small-cell carcinoma of the esophagus. Report of 11 cases and review of the literature. Beyer KL, et al. **J Clin Gastroenterol** 1991 Apr;13(2):135–41 (58 ref.)

GENETICS

Gene amplification in human lung cancer. The myc family genes and other proto-oncogenes and growth factor genes. Bergh JC. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S20–6 (77 ref.)
Recessive oncogenes in lung cancer. Kaye FJ, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S44–7 (48 ref.)
src expression in small-cell lung carcinoma and other neuroendocrine malignancies. Påhlman S, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S54–6 (33 ref.)
Genetic strategies of tumor suppression. Sager R. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S40–3 (45 ref.)
Transitions between lung cancer phenotypes--implications for tumor progression. Mabry M, et al. **Cancer Cells** 1991 Feb;3(2):53–8 (33 ref.)

IMMUNOLOGY

Immunohistochemical examination of 25 cases of Merkel cell carcinoma: a comparison with small cell carcinoma of the lung and oesophagus, and a review of the literature. Johansson L, et al. **APMIS** 1990 Aug;98(8):741–52 (45 ref.)

MORTALITY

Long-term outcome of small cell lung cancer. Armstrong JG. **Cancer Treat Rev** 1990 Mar;17(1):1–13 (60 ref.)

PATHOLOGY

Neuroendocrine tumours in the respiratory tract. de Bruïne AP, et al. **Acta Histochem Suppl** 1990;38:99–105 (14 ref.)
CNS therapy in small-cell lung cancer. Kristjansen PE, et al. **Cancer Treat Res** 1989;45:275–99 (83 ref.)
Lung cancer biology. Carney DN. **Curr Opin Oncol** 1991 Apr;3(2):288–96 (33 ref.)
Diagnosis, staging, and prognostic factors of small cell lung cancer. Stahel RA. **Curr Opin Oncol** 1991 Apr;3(2):306–11 (31 ref.)
Small cell carcinoma of the ovary. Taraszewski R, et al. **Gynecol Oncol** 1991 May;41(2):149–51 (12 ref.)
Small cell lung cancer presenting as a Pancoast tumor. Lands RH, et al. **J Tenn Med Assoc** 1991 Mar;84(3):113–4 (12 ref.)
Neuroendocrine neoplasms of the mediastinum. Wick MR, et al. **Semin Diagn Pathol** 1991 Feb;8(1):35–51 (80 ref.)
Invasive and noninvasive techniques of staging in potentially operable lung cancer. Ginsberg RJ. **Semin Surg Oncol** 1990; 6(5):244–7 (25 ref.)
[Paraneoplastic encephalomyelitis] Bergmann M, et al. **Fortschr Neurol Psychiatr** 1990 Nov;58(11):423–6 (16 ref.) (Eng. Abstr.) **(Ger)**
[Study of the relations between small cell lung cancer and the APUd system based on the analysis of clinical, biological and molecular-genetic properties] Słodkowska J. **Postepy Hig Med Dosw** 1989;43(5–6):499–510 (77 ref.) (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Redevelopment of small-cell lung cancer nine years after the start of therapy. A case report and review of the literature. Masuda N, et al. **Am J Clin Oncol** 1991 Aug; 14(4):322–7 (20 ref.)
What to do when an x-ray film suggests lung cancer. Petty TL. **Postgrad Med** 1991 Mar;89(4):101–4 (14 ref.)

SECONDARY

Metastatic tumors to the urinary tract. Review a propos of two cases. Sarlis NI, et al. **Acta Urol Belg** 1990;58(3):171–92 (37 ref.)
Renal oncocytoma harbouring metastatic lung carcinoma. Case report. Ben-Izhak O, et al. **Scand J Urol Nephrol** 1990;24(4):317–8 (9 ref.)
[A case of metastasis of lung cancer to renal cell carcinoma] Hibi H, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Mar; 82(3):488–91 (12 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Stage I small cell carcinoma of the vulva treated with vulvectomy, lymphadenectomy, and adjuvant chemotherapy. Cliby W, et al. **Cancer** 1991 May 1; 67(9):2415–7 (22 ref.)
[Two surgical cases of synchronous double carcinoma of the lung and esophagus and review of 10 documented cases in Japan] Morimoto M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Feb;39(2):245–50 (9 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Combination chemotherapy and radiotherapy for small-cell carcinoma of the esophagus. A case report of long-term survival and review of the literature. Hussein AM, et al. **Am J Clin Oncol** 1990 Oct;13(5):369–73 (33 ref.)
High-dose chemotherapy of small-cell lung cancer with and without bone marrow transplantation. Sculier JP, et al. **Cancer Treat Res** 1989;45:259–74 (51 ref.)

Therapy for small cell and non-small cell lung cancer. Belani CP, et al. **Curr Opin Oncol** 1990 Apr;2(2):334-44 (38 ref.)
Management of non-small cell and small cell lung cancer. Splinter TA. **Curr Opin Oncol** 1991 Apr;3(2):312-9 (34 ref.)
Treatment of neuroendocrine neoplasms of the larynx. Moisa II, et al. **ORL J Otorhinolaryngol Relat Spec** 1991; 53(4):259-64 (28 ref.)
[New molecular aspects of therapy of small cell carcinoma of the lung] Rokicki W, et al. **Pol Tyg Lek** 1990 Aug 6-13; 45(32-33):680-3 (46 ref.) **(Pol)**

CARCINOMA, PAPILLARY

Recurrent respiratory papillomatosis: progression to invasion and malignancy. Gaylis B, et al. **Am J Otolaryngol** 1991 Mar-Apr;12(2):104-12 (34 ref.)
Radioiodine-131 in the diagnosis and treatment of metastatic well differentiated thyroid cancer. Maxon HR 3d, et al. **Endocrinol Metab Clin North Am** 1990 Sep;19(3):685-718 (136 ref.)
Papillary carcinoma in thyroglossal duct remnants. Pacheco-Ojeda L, et al. **Eur Arch Otorhinolaryngol** 1991; 248(5):268-70 (15 ref.)
Buschke-Loewenstein tumor: verrucous carcinoma of the penis. Schwartz RA. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 1):723-7 (52 ref.)
Papillary carcinoma of the thyroid. Cady B. **Semin Surg Oncol** 1991 Mar-Apr;7(2):81-6 (31 ref.)
Solid and papillary epithelial neoplasm of the pancreas. Eason JD, et al. **South Med J** 1991 Feb;84(2):247-9 (17 ref.)
[Carcinoma cuniculatum. Apropos of 4 cases with orofacial involvement] Kahn JL, et al. **Rev Stomatol Chir Maxillofac** 1991;92(1):27-33 (31 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Tracheopathia osteochondroplastica complicated with thyroid cancer: case report and review of the literature in Japan. Morita S, et al. **Jpn J Med** 1990 Nov-Dec; 29(6):637-41 (23 ref.)

DIAGNOSIS

Flow cytometry detection and evaluation of bladder tumors. Melamed MR. **J Occup Med** 1990 Sep;32(9):829-33 (51 ref.)

GENETICS

[Thyroid cancer and familial rectocolonic polyposis] de Mestier P. **Chirurgie** 1990;116(6-7):514-6 (14 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Intraoperative pathologic diagnosis of thyroid neoplasms. Report on experience with 504 specimens. Rosen Y, et al. **Cancer** 1990 Nov 1;66(9):2001-6 (23 ref.)
Esophageal verrucous carcinoma: histologically a low-grade malignancy but clinically a fatal disease. Biemond P, et al. **J Clin Gastroenterol** 1991 Feb;13(1):102-7 (10 ref.)
Verrucous carcinoma of the bladder. Horner SA, et al. **J Urol** 1991 Jun;145(6):1261-3 (12 ref.)
Uterine papillary serous carcinoma: a review. Dunton CJ, et al. **Obstet Gynecol Surv** 1991 Feb;46(2):97-102 (22 ref.)
[Papillary--cystic tumor of the pancreas. Apropos of 1 case with histological, immunohistochemistry and ultrastructural study] Rouquette I, et al. **Arch Anat Cytol Pathol** 1991;39(1-2):38-41 (15 ref.) (Eng. Abstr.) **(Fre)**
[Carcinoma arising in thyroglossal duct cyst: presentation of a new case and review of the literature] Redondo E, et al. **Acta Otorrinolaringol Esp** 1990 Jul-Aug;41(4):249-51 (20 ref.) (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

Thyroid cancer presenting as a hot thyroid nodule: report of a case and review of the literature. Rubenfeld S, et al. **Thyroidol Clin Exp** 1988 Apr;(1):63-8 (51 ref.)

SECONDARY

Cutaneous metastasis from papillary carcinoma of the thyroid gland. Elgart GW, et al. **J Am Acad Dermatol** 1991 Aug; 25(2 Pt 2):404-8 (22 ref.)
[Occult papillary carcinoma of the thyroid presenting as a solitary pulmonary metastasis] Sasaki H, et al. **Nippon Naibunpi Gakkai Zasshi** 1991 Jun 20;67(6):655-65 (29 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Primary papillary carcinoma of a thyroglossal duct cyst: report of a case and literature review. Weiss SD, et al. **Br J Surg** 1991 Jan;78(1):87-9 (25 ref.)
Rare exocrine pancreatic cancer-operative treatment. Bodner E, et al. **Eur J Surg Oncol** 1991 Apr;17(2):183-9 (26 ref.)

CARCINOMA, RENAL CELL

Renal cell carcinoma in children. Broecker B. **Urology** 1991 Jul;38(1):54-6 (9 ref.)
[Simultaneous occurrence of renal cell and transitional cell carcinoma in the same kidney and ureter. A case report] Kimura F, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Aug;81(8):1251-4 (13 ref.) (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Toxicity and carcinogenicity of potassium bromate--a new renal carcinogen. Kurokawa Y, et al. **Environ Health Perspect** 1990 Jul;87:309-35 (111 ref.)

CHEMISTRY

Immunohistology of renal carcinomas. Holthöfer H. **Eur Urol** 1990;18 Suppl 2:15-6 (9 ref.)

CLASSIFICATION

Cytomorphological typing of renal cell carcinoma--a new approach. Thoenes W, et al. **Eur Urol** 1990;18 Suppl 2:6-9 (15 ref.)
[Classification of renal cell carcinoma/tumors and their relationship to the nephron-collecting tubules system] Thoenes W, et al. **Klin Wochenschr** 1990 Nov 16; 68(22):1102-11 (58 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

[A case of renal cell carcinoma and bladder carcinoma associated with von Hippel-Lindau disease] Kinbara H, et al. **Hinyokika Kiyo** 1990 Jul;36(7):823-6 (15 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Immunodiagnosis of renal cell carcinoma. Ebert T, et al. **Immunol Ser** 1990;53:469-83 (97 ref.)
Current status of imaging indeterminate renal masses. Hartman DS, et al. **Radiol Clin North Am** 1991 May; 29(3):475-96 (56 ref.)
[Multilocular cystic renal cell carcinoma: report of a case] Kim CJ, et al. **Hinyokika Kiyo** 1991 Feb;37(2):163-7 (30 ref.) (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Prolonged interleukin-2 (IL-2) treatment can augment immune activation without enhancing antitumor activity in renal cell carcinoma. Sosman JA, et al. **Cancer Invest** 1991;9(1):35-48 (86 ref.)
New approaches to the evaluation of the metastatic ability of renal cancer and new approaches to chemotherapy. Isaacs WB, et al. **Eur Urol** 1990;18 Suppl 2:33-5 (13 ref.)
Metastatic renal cell cancer--is the outlook really improving? Waxman J, et al. **Postgrad Med J** 1990 Jun;66(776):435-40 (39 ref.)

ETIOLOGY

Renal cell carcinoma of the native kidney after renal transplantation. A case report and review of the literature. Ishikawa I, et al. **Nephron** 1991;58(3):354-8 (22 ref.)
[Bilateral renal cell carcinoma in a patient receiving long-term dialysis] Yokoyama O, et al. **Hinyokika Kiyo** 1991 Jun;37(6):617-20 (17 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

Value of DNA analysis for treatment of renal cell carcinoma. Ljungberg B, et al. **Eur Urol** 1990;18 Suppl 2:31-2 (10 ref.)
[A family of von Hippel-Lindau disease with renal cell carcinoma--case report and review of the literature] Ito F, et al. **Hinyokika Kiyo** 1991 Feb;37(2):157-62 (16 ref.) (Eng. Abstr.) **(Jpn)**

METABOLISM

[Elaboration of erythropoietin in cultured cells] Tazaki H. **Hum Cell** 1988 Dec;1(4):375-81 (30 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

CT staging of renal carcinoma: a prospective comparison of three dynamic computed tomography techniques. Miles KA, et al. **Eur J Radiol** 1991 Jul-Aug;13(1):37-42 (19 ref.)
Prognostic parameters of renal cell carcinoma. Störkel S, et al. **Eur Urol** 1990;18 Suppl 2:36-7 (11 ref.)
Renal cell carcinoma vs. renal oncocytoma. Report of a case with overlap features and review of the literature [see comments] Lazzaro B, et al. **Urology** 1991 Jan;37(1):52-6 (20 ref.) Comment in: Urology 1991 Jun;37(6):602.
[A case of double cancer: renal cell carcinoma and transitional cell carcinoma of urinary bladder] Nakano S, et al. **Hinyokika Kiyo** 1990 Jul;36(7):831-5 (11 ref.) (Eng. Abstr.) **(Jpn)**
[Adrenal tumors associated with renal cell carcinoma] Ebina T, et al. **Nippon Jinzo Gakkai Shi** 1990 Jul;32(7):841-7 (24 ref.) (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Radiology in the diagnosis and staging of renal cell carcinoma. Zagoria RJ, et al. **Crit Rev Diagn Imaging** 1990; 31(1):81-115 (55 ref.)

SECONDARY

Solitary subhepatic metastasis of renal adenocarcinoma. Orlando G, et al. **Arch Esp Urol** 1990 Nov-Dec; 43(9):1037-8 (8 ref.)
New approaches to the evaluation of the metastatic ability of renal cancer and new approaches to chemotherapy. Isaacs WB, et al. **Eur Urol** 1990;18 Suppl 2:33-5 (13 ref.)
Solitary pancreatic metastasis from renal cell carcinoma. Gohji K, et al. **Hinyokika Kiyo** 1990 Jun;36(6):677-81 (18 ref.)
Renal cell carcinoma metastatic to the tongue: a case report. Ishikawa J, et al. **Hinyokika Kiyo** 1991 Mar;37(3):263-5 (15 ref.)
Complete resolution of multiple pulmonary metastases of renal cell carcinoma following intravenous drip infusion of r-interleukin 2: a case report. Mizuo T, et al. **Hinyokika Kiyo** 1990 Aug;36(8):931-5 (17 ref.)
Renal cell carcinoma with acrometastasis: report of two cases and review of the literature. Troncoso A, et al. **Mod Pathol** 1991 Jan;4(1):66-9 (28 ref.)
Opposite renal pelvic metastasis of renal adenocarcinoma. Case report. Lindell OI, et al. **Scand J Urol Nephrol** 1991; 25(2):165-7 (7 ref.)
Vaginal metastasis as the first sign of renal cell carcinoma. A case report and review of the literature. Ovesen H, et al. **Scand J Urol Nephrol** 1990;24(3):237-8 (16 ref.)
[Contralateral adrenal metastasis of hypernephroma. Report of 2 cases and review of the literature] Timmermans L, et al. **Acta Urol Belg** 1990;58(2):153-9 (11 ref.) (Eng. Abstr.) **(Fre)**
[A case of spontaneous disappearance of pulmonary metastasis of renal cell carcinoma following nephrectomy] Koike H, et al. **Hinyokika Kiyo** 1990 Dec;36(12):1443-6 (19 ref.) (Eng. Abstr.) **(Jpn)**
[Bladder metastasis from renal cell carcinoma three years after nephrectomy] Tanikawa K, et al. **Hinyokika Kiyo** 1990 Aug;36(8):927-9 (10 ref.) (Eng. Abstr.) **(Jpn)**
[A case of metastasis of lung cancer to renal cell carcinoma] Hibi H, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Mar; 82(3):488-91 (12 ref.) (Eng. Abstr.) **(Jpn)**
[Metastatic Grawitz's tumor to the cauda equina: case report] Takahashi I, et al. **No Shinkei Geka** 1990 Dec; 18(12):1157-60 (12 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Simultaneous resection of renal carcinoma and abdominal aortic aneurysm. Baskin LS, et al. **Ann Vasc Surg** 1991 Jul;5(4):363-5 (12 ref.)
Pros and cons of retroperitoneal lymphadenectomy in operable renal cell carcinoma. Pizzocaro G, et al. **Eur Urol** 1990;18 Suppl 2:22-3 (7 ref.)
[Treatment of asynchronous bilateral renal cell carcinoma. On our experience of enucleation for two cases] Shimizu H, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Jul; 81(7):1087-90 (7 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Renal cell carcinoma. Reese JH. **Curr Opin Oncol** 1991 Jun; 3(3):537-44 (45 ref.)
Is the outlook changing for patients with renal cell cancer? Waxman J, et al. **Eur J Cancer** 1990;26(8):860-2 (35 ref.)
Interleukin-2, killer cells and cancer therapy: an overview. Parkinson DR, et al. **Nat Immun Cell Growth Regul** 1990; 9(4):237-41 (22 ref.)
Lessons from the clinical trials of interleukin-2. Parkinson DR. **Nat Immun Cell Growth Regul** 1990;9(4):242-52 (61 ref.)
Rationale for immunotherapy of renal cell carcinoma. Heicappell R, et al. **Urol Res** 1990;18(6):357-72 (233 ref.)
[The immunotherapy of advanced renal cell carcinoma] Bergmann L, et al. **Dtsch Med Wochenschr** 1991 Mar 8; 116(10):384-90 (43 ref.) **(Ger)**
[The value of interferons, interleukin-2 and tumor necrosis factor in the therapy of renal cell cancer] Wirth M. **Urologe [A]** 1991 Mar;30(2):77-80 (34 ref.) (Eng. Abstr.) **(Ger)**
[Treatment of renal carcinoma with alpha-interferon: biological bases and clinical results] Cetto GL, et al. **Ann Ital Med Int** 1990 Jul-Sep;5(3 Pt 1):205-15 (60 ref.) (Eng. Abstr.) **(Ita)**

CARCINOMA, RESERVE CELL see **CARCINOMA, OAT CELL**

CARCINOMA, SMALL CELL see **CARCINOMA, OAT CELL**

CARCINOMA, SQUAMOUS CELL

Recurrent respiratory papillomatosis: progression to invasion and malignancy. Gaylis B, et al. **Am J Otolaryngol** 1991 Mar-Apr;12(2):104-12 (34 ref.)
Squamous cell and basal cell skin carcinoma and rarer histologic types of skin cancer. Mortimer P. **Curr Opin Oncol** 1991 Apr;3(2):349-54 (29 ref.)
Analysis of prognostic factors in squamous cell carcinomas of the head and neck. Dreyfuss AI, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):701-12 (45 ref.)
Intraductal carcinoma of the tongue. Report of a case. Watatani K, et al. **Int J Oral Maxillofac Surg** 1991 Jun; 20(3):175-6 (9 ref.)
Carcinoma arising in a dentigerous cyst: a case report and review of the literature. Maxymiw WG, et al. **J Oral Maxillofac Surg** 1991 Jun;49(6):639-43 (52 ref.)
Elective treatment of the neck in cancer of the oral tongue.

Silver CE, et al. **Semin Surg Oncol** 1991 Jan–Feb;7(1):14–9 (47 ref.)

[Carcinoma of the penis. Review of the literature and presentation of a clinical case] De Cesare A, et al. **G Chir** 1988 Feb;9(2):106–9 (13 ref.) (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

[Puva therapy and carcinogenesis] Thomas P, et al. **Ann Dermatol Venereol** 1991;118(6–7):503–6 (27 ref.) **(Fre)**

[Are industrial toxic substances a risk factor in gallbladder cancer?] Paraf F, et al. **Gastroenterol Clin Biol** 1990; 14(11):877–80 (40 ref.) (Eng. Abstr.) **(Fre)**

CHEMISTRY

Analysis of invasive squamous cell carcinoma of the vulva and vulvar intraepithelial neoplasia for the presence of human papillomavirus DNA. Rusk D, et al. **Obstet Gynecol** 1991 Jun;77(6):918–22 (25 ref.)

[Histochemical identification of endogenous lectins using labelled neoglycoproteins in human head–and–neck squamous cell carcinoma] Steuer MK, et al. **Laryngorhinootologie** 1991 May;70(5):243–9 (33 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Spontaneous pneumomediastinum in esophageal carcinoma. Sridhar KS, et al. **Am J Clin Oncol** 1990 Dec;13(6):527–31 (38 ref.)

Bronchial anomaly of the right upper lobe. Read R, et al. **Ann Thorac Surg** 1990 Dec;50(6):980–1 (7 ref.)

Localized Aspergillus infestation in primary lung carcinoma. Clinical and pathological contrasts with post–tuberculous intracavitary aspergilloma. Smith FB, et al. **Chest** 1991 Aug;100(2):554–6 (12 ref.)

Florid cutaneous papillomatosis, malignant acanthosis nigricans, and pulmonary squamous cell carcinoma. Gheeraert P, et al. **Int J Dermatol** 1991 Mar;30(3):193–7 (25 ref.)

Pharyngeal pouch carcinoma: two unusual cases. Burton MJ, et al. **J Laryngol Otol** 1990 Oct;104(10):821–3 (20 ref.)

The association of laryngoceles with squamous cell carcinoma of the larynx. Celin SE, et al. **Laryngoscope** 1991 May;101(5):529–36 (17 ref.)

[Subcorneal pustular dermatosis associated with epidermoid carcinoma of the lung] Buchet S, et al. **Ann Dermatol Venereol** 1991;118(2):125–8 (9 ref.) **(Fre)**

[Multiple spinocellular carcinomas on chronic lymphedema. Association with vitiligo] Dandurand M, et al. **Ann Dermatol Venereol** 1990;117(12):953–6 (19 ref.) **(Fre)**

[Chronic lupus erythematosus and epidermoid carcinoma] de Castelbajac D, et al. **Ann Dermatol Venereol** 1990; 117(11):876–8 (9 ref.) **(Fre)**

[Carcinoma cuniculatum arising in necrobiosis lipoidica] Porneuf M, et al. **Ann Dermatol Venereol** 1991; 118(6–7):461–4 (19 ref.) **(Fre)**

[A case of squamous cell carcinoma of the urinary bladder associated with bladder calculi] Hirata N, et al. **Hinyokika Kiyo** 1991 Jan;37(1):77–81 (26 ref.) (Eng. Abstr.) **(Jpn)**

[Subacute sensory neuropathy associated with carcinoma—an autopsy case report and an analysis of Japanese cases] Yamada A, et al. **Rinsho Shinkeigaku** 1990 Aug;30(8):860–3 (13 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Primary intraosseous carcinoma of the jaws. Three new cases and a review of the literature. To EH, et al. **Br J Oral Maxillofac Surg** 1991 Feb;29(1):19–25 (25 ref.)

Penile cancer: curable with early detection. Rotolo JE, et al. **Hosp Pract (Off Ed)** 1991 Jun 15;26(6):131–8 (10 ref.)

Basal and squamous cell carcinomas: an overview. Vargo NL. **Semin Oncol Nurs** 1991 Feb;7(1):13–25 (56 ref.)

[Multiple primary neoplasms. A report of a case with dental involvement] Nardi P, et al. **Minerva Stomatol** 1990 Jul; 39(7):521–4 (6 ref.) (Eng. Abstr.) **(Ita)**

DRUG THERAPY

The role of adjuvant chemotherapy in the treatment of advanced head and neck cancer. Hill BT, et al. **Acta Oncol** 1990;29(6):695–703 (49 ref.)

Chemotherapy and new treatments in squamous cell carcinoma of the head and neck. Vermorken JB. **Curr Opin Oncol** 1990 Jun;2(3):578–84 (27 ref.)

Head and neck cancer: prognostic factors for response to chemotherapy. Clavel M, et al. **Eur J Cancer** 1991; 27(3):349–56 (69 ref.)

Induction intra–arterial cisplatin and bleomycin in head and neck cancer. Frustaci S, et al. **Head Neck** 1991 Jul–Aug; 13(4):291–7 (49 ref.)

Chemotherapy for recurrent and metastatic head and neck cancer. Pinto HA, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):667–86 (150 ref.)

Chemotherapy for squamous cell carcinomas of the head and neck. A reappraisal. Bier J. **Int J Oral Maxillofac Surg** 1990 Aug;19(4):232–4 (22 ref.)

Current chemotherapy of head and neck cancer. Amrein P. **J Oral Maxillofac Surg** 1991 Aug;49(8):864–70 (59 ref.)

The role of gene amplification in clinical resistance to chemotherapy: a review. Ferguson PJ. **J Otolaryngol** 1991 Apr;20(2):130–6 (69 ref.)

Anti–epidermal growth factor receptor monoclonal antibodies as potential anti–cancer agents. Mendelsohn J. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):889–92 (19 ref.)

The role of cisplatin in treatment regimens for squamous cell carcinoma of the head and neck. Clark JR, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):34–48 (120 ref.)

Neoadjuvant chemotherapy and surgery of cancer of the esophagus. Kelsen DP, et al. **Semin Surg Oncol** 1990; 6(5):268–73 (32 ref.)

[Randomized trial of initial chemotherapy in 151 locally advanced carcinoma of the cervix (T2b–N1, T3b, MO)] Chauvergne J, et al. **Bull Cancer (Paris)** 1990; 77(10):1007–24 (37 ref.) (Eng. Abstr.) **(Fre)**

[A case of second–degree atrioventricular block caused by high dose cisplatin treatment] Tasaka T, et al. **Gan To Kagaku Ryoho** 1991 May;18(6):1047–50 (10 ref.) (Eng. Abstr.) **(Jpn)**

[Combined radiotherapy and pre–radiation chemotherapy with cisplatin and 5–fluorouracil for advanced esophageal carcinoma. II. Clinical evaluation in cases with higher than T2 stage] Sueyama H. **Nippon Gan Chiryo Gakkai Shi** 1990 Aug 20;25(8):1608–18 (38 ref.) (Eng. Abstr.) **(Jpn)**

[Current possibilities of drug therapy of lung cancer] Borisov VI, et al. **Sov Med** 1990;(9):22–6 (32 ref.) **(Rus)**

EPIDEMIOLOGY

Carcinoma of the larynx. Changing incidence in women. DeRienzo DP, et al. **Arch Otolaryngol Head Neck Surg** 1991 Jun;117(6):681–4 (16 ref.)

Squamous cell carcinoma of the penis. Hunter–Mellado R, et al. **Bol Asoc Med P R** 1990 Sep;82(9):416–8 (7 ref.)

The incidence of cancer of the larynx. Robin PE, et al. **Clin Otolaryngol** 1991 Apr;16(2):198–201 (10 ref.)

Epidemiology of human papilloma virus infections and genital neoplasia. Syrjänen K, et al. **Scand J Infect Dis Suppl** 1990;69:7–17 (54 ref.)

ETIOLOGY

Squamous cell carcinoma arising in a sternotomy scar. Korula R, et al. **Ann Thorac Surg** 1991 Apr;51(4):667–9 (14 ref.)

Etiologic considerations for head and neck squamous cancers. Jacobs CD. **Cancer Treat Res** 1990;52:265–82 (80 ref.)

Marjolin's ulcer: a review and reevaluation of a difficult problem. Fleming MD, et al. **J Burn Care Rehabil** 1990 Sep–Oct;11(5):460–9 (35 ref.)

[The occurrence of squamous–cell skin cancer in psoriasis patients] Anishchenko IS. **Vestn Dermatol Venerol** 1990; (11):25–9 (18 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Methodology and clinical applications of cellular DNA content parameters determined by flow cytometry in squamous cell cancers of the head and neck. Ensley JF, et al. **Cancer Treat Res** 1990;52:225–42 (94 ref.)

The role of gene amplification in clinical resistance to chemotherapy: a review. Ferguson PJ. **J Otolaryngol** 1991 Apr;20(2):130–6 (69 ref.)

IMMUNOLOGY

Immune response to basal cell and squamous cell carcinomas. Grimwood RE. **Immunol Ser** 1989;46:789–98 (43 ref.)

[Immunologic modulation of tumor aggressiveness in cancer of the larynx. II. Clinicopathologic correlations with the loss of expression of the HLA ABC antigens] Esteban F, et al. **Acta Otorrinolaringol Esp** 1990 Nov–Dec; 41(6):359–68 (40 ref.) (Eng. Abstr.) **(Spa)**

MORTALITY

Survival of cancer of the larynx related to treatment. Robin PE, et al. **Clin Otolaryngol** 1991 Apr;16(2):193–7 (6 ref.)

PATHOLOGY

Glassy cell features in adenosquamous carcinoma of the uterine cervix. Histologic, ultrastructural, immunohistochemical, and clinical findings. Costa MJ, et al. **Am J Clin Pathol** 1991 Oct;96(4):520–8 (38 ref.)

Primary squamous carcinoma of the liver: clinical and histopathological features. Roediger WE, et al. **Aust N Z J Surg** 1991 Sep;61(9):720–2 (10 ref.)

Pathology of squamous cell carcinomas of the head and neck. Carter RL. **Curr Opin Oncol** 1990 Jun;2(3):552–6 (13 ref.)

Pathology of squamous carcinomas of the head and neck. Carter RL. **Curr Opin Oncol** 1991 Jun;3(3):507–11 (17 ref.)

Squamous carcinoma of the colon: primary or metastatic? McMahon AJ. **Eur J Surg Oncol** 1991 Aug;17(4):397–402 (41 ref.)

Primary squamous cell carcinoma of the caecum. Wyatt MG, et al. **Eur J Surg Oncol** 1991 Aug;17(4):392–4 (18 ref.)

The posterior glottis. McIlwain JC. **J Otolaryngol** 1991 Jun; 20 Suppl 2:1–24 (102 ref.)

Adenosquamous carcinoma of the esophagus. A case report. Bombi JA, et al. **Pathol Res Pract** 1991 May;187(4):514–9; discussion 519–21 (29 ref.)

Squamous cell carcinoma of the uterine cervix—a review with emphasis on prognostic factors and unusual variants. Robert ME, et al. **Semin Diagn Pathol** 1990 Aug; 7(3):173–89 (80 ref.)

The impact of radiologic imaging on staging of cancer of the head and neck. Dillon WP, et al. **Semin Oncol** 1991 Apr;18(2):64–79 (45 ref.)

Squamous cell carcinoma of prostate. Sarma DP, et al. **Urology** 1991 Mar;37(3):260–2 (11 ref.)

[Cancer arising in a cyst of the thyroglossal tract] Bourguignat E, et al. **Ann Otolaryngol Chir Cervicofac** 1991; 108(1):21–5 (52 ref.) (Eng. Abstr.) **(Fre)**

[Carcinoma of the laryngeal ventricular saccule as an anatomo–clinical entity] Amador García JM, et al. **Acta Otorrinolaringol Esp** 1990 May–Jun;41(3):183–7 (22 ref.) (Eng. Abstr.) **(Spa)**

RADIOTHERAPY

Radiation therapy for squamous cell carcinomas of the oral cavity and oropharynx: a review of recent techniques. Janjan NA, et al. **Cancer Treat Rev** 1990 Mar;17(1):89–101 (83 ref.)

Brachytherapy in head and neck cancer: selection criteria and results at the University of Florida. Mendenhall WM, et al. **Oncology (Williston Park)** 1991 Feb;5(2):44–54; discussion 59–60 (25 ref.)

High–dose–rate intraluminal brachytherapy for esophageal cancer: 10 years experience in Hyogo College of Medicine. Hishikawa Y, et al. **Radiother Oncol** 1991 Jun;21(2):107–14 (30 ref.)

Effect of dose rate on local control and complications in definitive irradiation of T1–2 squamous cell carcinomas of mobile tongue and floor of mouth with interstitial iridium–192. Mazeron JJ, et al. **Radiother Oncol** 1991 May; 21(1):39–47 (41 ref.)

Stage I–II squamous cell carcinoma of the oral cavity treated by iridium–192: is elective neck dissection indicated? Piedbois P, et al. **Radiother Oncol** 1991 Jun;21(2):100–6 (30 ref.)

Indications and results of combined external beam radiation and interstitial radiotherapy in the treatment of carcinoma of the oropharynx. Ausili–Cefaro G, et al. **Rays** 1991 Jan–Mar;16(1):97–106 (42 ref.) **(Eng, Ita)**

SECONDARY

Metastatic vaginal carcinoma to the temporal bone. Corey JP, et al. **Am J Otol** 1991 Mar;12(2):128–31 (20 ref.)

Magnetic resonance imaging vs palpation of cervical lymph node metastasis. van den Brekel MW, et al. **Arch Otolaryngol Head Neck Surg** 1991 Jun;117(6):663–73 (34 ref.)

Squamous carcinoma of the colon: primary or metastatic? McMahon AJ. **Eur J Surg Oncol** 1991 Aug;17(4):397–402 (41 ref.)

Occult carcinoma esophagus metastatic to spine producing paraplegia—a case report and review of literature. Kaushal R, et al. **Indian J Med Sci** 1990 Nov;44(11):304–6 (10 ref.)

Skeletal metastases in carcinoma of the uterine cervix—a report of two cases and review of literature. Singhal S, et al. **Indian J Med Sci** 1990 Jul;44(7):179–82 (7 ref.)

Acute cor pulmonale secondary to metastatic tumor to the heart: a case report and literature review. Tallon JM, et al. **J Emerg Med** 1990 Nov–Dec;8(6):721–6 (30 ref.)

Ovarian metastases are rare in stage I adenocarcinoma of the cervix. Brown JV, et al. **Obstet Gynecol** 1990 Oct; 76(4):623–6 (26 ref.)

[Long–term survival after surgery of solitary cerebral metastasis of lung cancer. Clinical case and review of the literature] Noterman J, et al. **Neurochirurgie** 1990; 36(5):308–11 (26 ref.) (Eng. Abstr.) **(Fre)**

[An esophageal cancer with a renal metastasis that was detected and resected as the only focus of recurrence] Shimizu H, et al. **Gan No Rinsho** 1990 Sep;36(11):2047–52 (18 ref.) (Eng. Abstr.) **(Jpn)**

[Esophageal cancer metastatic to the kidney: report of a case] Mikata N, et al. **Nippon Gan Chiryo Gakkai Shi** 1990 Jul 20;25(7):1492–6 (17 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Squamous cervical intraepithelial neoplasia: the role of laser treatment. Sharp F, et al. **Ann Chir Gynaecol** 1990; 79(4):225–30 (25 ref.)

Squamous cell carcinoma of the oesophagus: 10 years on [see comments] Khoury GA. **Ann R Coll Surg Engl** 1991 Jan;73(1):4–7 (61 ref.) Comment in: Ann R Coll Surg Engl 1991 Jan;73(1):1–3.

Increased intracranial pressure as a complication of unilateral radical neck dissection in a patient with congenital absence of the transverse sinus. Lydiatt DD, et al. **Head Neck** 1991 Jul–Aug;13(4):359–62 (11 ref.)

Skin cancer: a review with consideration of treatment options including Mohs micrographic surgery. Lambert DR, et al. **Ohio Med** 1990 Oct;86(10):745–7 (7 ref.)

Current treatment of small vulvar cancers. Hacker NF. **Oncology (Williston Park)** 1990 Aug;4(8):21–5; discussion 26, 28, 33 (32 ref.)

[Laryngectomy with Tucker's epiglottoplasty] Piquet JJ, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(8):555–8 (17 ref.) (Eng. Abstr.) **(Fre)**

[Cancer of the anus. Current role of surgery] Cola B, et al. **Chirurgie** 1990;116(1):89–97; discussion 97–8 (25 ref.) (Eng. Abstr.) **(Fre)**

[Partial vertical laryngectomies and reconstruction with plathysma myocutaneous flap] Camponês do Brasil OO, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991;112(1):45–53

(84 ref.) (Eng. Abstr.) **(Fre)**

[Larynx and hypopharynx cancers—endoscopic surgery with laser: possibilities and limits] Rudert H. **Arch Otorhinolaryngol Suppl** 1991;1:3–18 (56 ref.) **(Ger)**

[Palliative surgical treatment of cancer of the esophagus] Müller JM, et al. **Med Klin** 1991 Jan 15;86(1):24–31 (35 ref.) (Eng. Abstr.) **(Ger)**

[Two surgical cases of synchronous double carcinoma of the lung and esophagus and review of 10 documented cases in Japan] Morimoto M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Feb;39(2):245–50 (9 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

The internist in the management of head and neck cancer. Jacobs C. **Ann Intern Med** 1990 Nov 15;113(10):771–8 (73 ref.)

Perilymphatic injections of cytokines: a new tool in active cancer immunotherapy. Experimental rationale and clinical findings. Forni G, et al. **Ann Ist Super Sanita** 1990; 26(3–4):397–409 (34 ref.)

Advanced basal and squamous cell carcinomas of the skin of the head and neck. Weber RS, et al. **Cancer Treat Res** 1990;52:61–81 (54 ref.)

Chemotherapy and the management of locally advanced squamous cell carcinoma of the head and neck: role in larynx preservation. Bosl GJ, et al. **Important Adv Oncol** 1991;:191–203 (58 ref.)

Current management and treatment of squamous cell carcinoma of the vulva. Malfetano JH. **Semin Surg Oncol** 1990;6(6):354–8 (50 ref.)

Cancers of the maxillary sinus. Giri PG. **South Med J** 1991 Jul;84(7):897–902 (41 ref.)

[Possible applications for monoclonal antibodies in diagnosis and therapy of head and neck cancers. II. Future role] Wustrow TP. **HNO** 1991 Apr;39(4):121–8 (39 ref.) (Eng. Abstr.) **(Ger)**

[Progress in diagnosis and therapy in oral cancer] Shioda S. **Kokubyo Gakkai Zasshi** 1991 Mar;58(1):1–7 (10 ref.) **(Jpn)**

[Multidisciplinary protocol for the treatment of epidermoid carcinoma of the esophagus: experience from 1985 to 1989] Abuchaibe O, et al. **Rev Med Univ Navarra** 1989 Jul–Sep; 33(3):165–71 (24 ref.) (Eng. Abstr.) **(Spa)**

CARCINOMA, TRANSITIONAL CELL

Current status of cancers of the bladder and prostate. Jacobs SC, et al. **Trans Assoc Life Insur Med Dir Am** 1991; 74:144–51 (18 ref.)

[Primary transitional-cell carcinoma of the male anterior urethra] Verrini G, et al. **Minerva Urol Nefrol** 1990 Jul–Sep; 42(3):159–61 (10 ref.) (Eng. Abstr.) **(Ita)**

[Simultaneous occurrence of renal cell and transitional cell carcinoma in the same kidney and ureter. A case report] Kimura F, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Aug;81(8):1251–4 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Bladder tumors in patients under 40 yr of age. Our experience and review of the literature] Gassó Matoses M, et al. **Arch Esp Urol** 1991 Apr;44(3):257–8 (12 ref.) (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

[A case of renal pelvic tumor due to phenacetin abuse] Hayashi Y, et al. **Hinyokika Kiyo** 1990 Aug;36(8):941–4 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Carcinoma of the urinary bladder in a patient receiving cyclophosphamide for Wegener's granuloma: a case report] Shiba T, et al. **Hinyokika Kiyo** 1991 Apr;37(4):393–6 (18 ref.) (Eng. Abstr.) **(Jpn)**

[Carcinoma of the ureter after long-term use of analgesic [phenacetin derivative]—report of the two cases (spouses)] Miyauchi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Dec;81(12):1908–11 (8 ref.) (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Crohn's disease and anal carcinoma: an association? A case report and review of the literature. Lumley JW, et al. **Aust N Z J Surg** 1991 Jan;61(1):76–7 (10 ref.)

[Hypercalcemia in cancers of the prostate. Apropos of 4 cases] Assouline C, et al. **Rev Rhum Mal Osteoartic** 1991 Mar;58(3):183–6 (21 ref.) (Eng. Abstr.) **(Fre)**

[A case of renal cell carcinoma and bladder carcinoma associated with von Hippel-Lindau disease] Kinbara H, et al. **Hinyokika Kiyo** 1990 Jul;36(7):823–6 (15 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Transitional cell carcinoma of the bladder in children: radiologic appearance and differential diagnosis. Quillin SP, et al. **Urol Radiol** 1991;13(2):107–9 (12 ref.)

DRUG THERAPY

[Chemotherapy in the treatment of advanced urothelial tumors] Sternberg CN. **Urologe [A]** 1991 Jan;30(1):33–44 (81 ref.) (Eng. Abstr.) **(Ger)**

[Systemic chemotherapy of urothelial carcinoma] Wolff J, et al. **Urologe [A]** 1991 Jan;30(1):25–32 (60 ref.) (Eng. Abstr.) **(Ger)**

[Preoperative or neoadjuvant chemotherapy. Our experience with 37 patients] Escudero Barrilero A, et al. **Arch Esp Urol** 1991 May;44(4):379–92 (21 ref.) **(Spa)**

EPIDEMIOLOGY

Transitional cell carcinoma of distal female urethra. Linn R, et al. **Int Urol Nephrol** 1990;22(3):275–7 (7 ref.)

GENETICS

Molecular genetics of human bladder carcinomas. Perucca D, et al. **Cancer Genet Cytogenet** 1990 Oct 15;49(2):143–56 (76 ref.)

Molecular analysis of human bladder cancer. Olumi AF, et al. **Semin Urol** 1990 Nov;8(4):270–7 (92 ref.)

[Molecular biology studies of bladder cancer] Bringuier PP, et al. **Urologe [A]** 1991 May;30(3):167–71 (56 ref.) (Eng. Abstr.) **(Ger)**

[Case reports on 2 young sisters with superficial bladder neoplasm] Tucci G, et al. **G Chir** 1988 Jan;9(1):36–9 (17 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

Pagetoid carcinomatous involvement of the penile urethra in association with high-grade transitional cell carcinoma of the urinary bladder. Bégin LR, et al. **Arch Pathol Lab Med** 1991 Jun;115(6):632–5 (13 ref.)

Transitional cell carcinoma of the urinary bladder with osteoclast-type giant cells: a report of two cases and review of the literature. Zukerberg LR, et al. **Histopathology** 1990 Nov;17(5):407–11 (30 ref.)

Stromal osseous metaplasia in carcinoma of the bladder. Eble JN, et al. **J Urol** 1991 Apr;145(4):823–5 (17 ref.)

Pathology of bladder cancer: assessment of the primary lesion and response to therapy. Reuter VE. **Prog Clin Biol Res** 1990;353:45–56 (40 ref.)

Bilateral ureteral inverted papillomas in association with bladder carcinoma: a case report and review of the literature. Mulkens TH, et al. **Urol Radiol** 1990;12(3):154–6 (10 ref.)

[Animal experiment aspects of bladder cancer] Recker F, et al. **Urologe [A]** 1991 May;30(3):172–9 (144 ref.) (Eng. Abstr.) **(Ger)**

[Primary extragonadal choriocarcinoma of the bladder. A case report with a compilation of the 19 cases published so far] Schmid HP, et al. **Urologe [A]** 1991 Jan;30(1):72–4 (16 ref.) (Eng. Abstr.) **(Ger)**

[Inverted papilloma associated with transitional cell carcinoma in the upper urinary tract: report of one case and review of the literature] Annoscia S, et al. **Arch Ital Urol Nefrol Androl** 1990 Sep;62(3):333–7 (18 ref.) (Eng. Abstr.) **(Ita)**

[A case of double cancer: renal cell carcinoma and transitional cell carcinoma of urinary bladder] Nakano S, et al. **Hinyokika Kiyo** 1990 Jul;36(7):831–5 (11 ref.) (Eng. Abstr.) **(Jpn)**

[Transitional cell carcinoma of the ureter with an inverted growth pattern which was accompanied with bladder tumor: a case report] Tamura Y, et al. **Hinyokika Kiyo** 1990 Aug;36(8):945–8 (22 ref.) (Eng. Abstr.) **(Jpn)**

[A case of carcinosarcoma originating from the renal pelvis] Yoshida T, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Nov;81(11):1739–42 (9 ref.) (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

[Usefulness of radiotherapy in the treatment of infiltrating bladder cancer] Escudero Barrilero A. **Arch Esp Urol** 1990; 43 Suppl 2:165–84 (63 ref.) **(Spa)**

SECONDARY

Metastasis to the penis. Case reports and review of the literature. Osther PJ, et al. **Int Urol Nephrol** 1991; 23(2):161–7 (25 ref.)

SECRETION

[Ectopic production of human chorionic gonadotropin by poorly differentiated transitional cell carcinoma of the renal pelvis] Izumi H, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Oct;81(10):1569–73 (8 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Laser treatment of transitional cell cancer of the bladder and upper urinary tract. Orihuela E, et al. **Cancer Treat Res** 1989;46:123–42 (42 ref.)

Neoadjuvant chemotherapy in invasive bladder cancer: the evolving role of surgery. Herr HW, et al. **J Urol** 1990 Nov; 144(5):1083–8 (17 ref.)

The role of surgery in initial staging and follow up. Herr HW. **Prog Clin Biol Res** 1990;353:35–43 (10 ref.)

Ureteral stump carcinoma incidentally found at cystectomy for bladder cancer. Kinzler GJ, et al. **Urology** 1991 Mar; 37(3):273–6 (21 ref.)

[Cancer of the anus. Current role of surgery] Cola B, et al. **Chirurgie** 1990;116(1):89–97; discussion 97–8 (25 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Perilymphatic injections of cytokines: a new tool in active cancer immunotherapy. Experimental rationale and clinical findings. Forni G, et al. **Ann Ist Super Sanita** 1990; 26(3–4):397–409 (34 ref.)

Local/regional recombinant interleukin 2 (rIL-2) immunotherapy of tumors. Intra-arterial continuous infusion of rIL-2 in bladder cancer patients: a phase I study. Velotti F, et al. **Ann Ist Super Sanita** 1990;26(3–4):411–21 (68 ref.)

Selection of treatment for muscle infiltrating transitional cell bladder cancer. Whitmore WF. **Arch Esp Urol** 1990;43 Suppl 2:219–22 (21 ref.)

BCG treatment of superficial transitional cell carcinoma. Schellhammer PF. **Urology** 1991;37(5 Suppl):16–8 (13 ref.)

URINE

Urine cytology in bladder tumors. Zein TA, et al. **Int Surg** 1991 Jan–Mar;76(1):52–4 (27 ref.)

CARCINOSARCOMA

CHEMICALLY INDUCED

Carcinosarcoma of bladder following long-term cyclophosphamide therapy. Sigal SH, et al. **Arch Pathol Lab Med** 1991 Oct;115(10):1049–51 (17 ref.)

PATHOLOGY

[A case of carcinosarcoma originating from the renal pelvis] Yoshida T, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Nov;81(11):1739–42 (9 ref.) (Eng. Abstr.) **(Jpn)**

CARDIAC ARREST see **HEART ARREST**

CARDIAC ARREST, INDUCED see **HEART ARREST, INDUCED**

CARDIAC DEPRESSANTS see **ANTI-ARRHYTHMIA AGENTS**

CARDIAC ELECTROVERSION see **ELECTRIC COUNTERSHOCK**

CARDIAC GLYCOSIDES

Serum concentration monitoring of cardiac glycosides. How helpful is it for adjusting dosage regimens? Dobbs RJ, et al. **Clin Pharmacokinet** 1991 Mar;20(3):175–93 (123 ref.)

ADVERSE EFFECTS

[Mesenteric ischemia and cardiotonic glycosides] Jourdan JL, et al. **Rev Med Liege** 1991 Apr;46(4):196–203 (52 ref.) **(Fre)**

CHEMISTRY

Chromatography of cardiac glycosides. Vetticaden SJ, et al. **J Chromatogr** 1990 Oct 12;531:215–34 (66 ref.)

METABOLISM

Regulation of the alpha-subunit genes of the Na,K-ATPase and determinants of cardiac glycoside sensitivity. Lingrel JB, et al. **Soc Gen Physiol Ser** 1991;46:1–16 (42 ref.)

PHARMACOLOGY

[Endogenous digitalis-like substances and cardiac glycosides: facts and hypotheses] Mikhailov IB. **Farmakol Toksikol** 1990 Sep–Oct;53(5):75–8 (68 ref.) (Eng. Abstr.) **(Rus)**

[Drug interaction with cardiac glycosides (a review of the literature)] Chekman IS, et al. **Vrach Delo** 1990 Jul;(7):32–7 (33 ref.) **(Rus)**

THERAPEUTIC USE

Pharmacologic treatment of heart failure. Nagelhout JJ. **Nurs Clin North Am** 1991 Jun;26(2):401–15 (17 ref.)

[Cardiac glycosides in the complex treatment of chronic cor pulmonale] Kazanbiev NK, et al. **Sov Med** 1990;(7):41–5 (58 ref.) **(Rus)**

CARDIAC NEUROSIS see **NEUROCIRCULATORY ASTHENIA**

CARDIAC OUTPUT

The meaning of cardiac output [editorial] Pinsky MR. **Intensive Care Med** 1990;16(7):415–7 (25 ref.)

Alternatives to Swan-Ganz cardiac output monitoring. Moore FA, et al. **Surg Clin North Am** 1991 Aug; 71(4):699–721 (91 ref.)

DRUG EFFECTS

Use of inotropic agents in critical illness. Stanford GG. **Surg Clin North Am** 1991 Aug;71(4):683–98 (38 ref.)

PHYSIOLOGY

Hemodynamic monitoring: a technology assessment. Technology Subcommittee of the Working Group on Critical Care, Ontario Ministry of Health. **Can Med Assoc J** 1991 Jul 15;145(2):114–21 (50 ref.)

Systolic time intervals. Boudoulas H. **Eur Heart J** 1990 Dec; 11 Suppl I:93–104 (62 ref.)

Doppler ultrasonic measurement of cardiac output: reproducibility and validation. Coats AJ. **Eur Heart J** 1990 Dec;11 Suppl I:49–61 (65 ref.)

Thermodilution method for measuring cardiac output. Conway J, et al. **Eur Heart J** 1990 Dec;11 Suppl I:17–20 (18 ref.)
Radionuclide methods for cardiac output determination. Fouad-Tarazi FM, et al. **Eur Heart J** 1990 Dec;11 Suppl I:33–40 (54 ref.)
Non-invasive study of cardiac performance using Doppler ultrasound in patients with hypertension. Lacolley PJ, et al. **Eur Heart J** 1990 Dec;11 Suppl I:62–6 (34 ref.)
Potential application of new imaging modalities in the measurement of cardiac volumes and characteristics. MacIntyre WJ. **Eur Heart J** 1990 Dec;11 Suppl I:133–40 (19 ref.)
Magnetic resonance imaging and cine computerized tomography as future tools for cardiac output measurement. Omvik P. **Eur Heart J** 1990 Dec;11 Suppl I:141–3 (11 ref.)
Measurement of cardiac output by M-mode and two-dimensional echocardiography: application to patients with hypertension. Wallerson DC, et al. **Eur Heart J** 1990 Dec;11 Suppl I:67–78 (54 ref.)
First passage radionuclide cardiography for determination of cardiac output: a critical analysis. Wenting GJ, et al. **Eur Heart J** 1990 Dec;11 Suppl I:41–8 (33 ref.)
[Recent developments in position sensors] Schaldach M, et al. **Biomed Tech (Berlin)** 1990;35 Suppl 3:207–9 (6 ref.) **(Ger)**
[Pathophysiologic principles of cor pulmonale] Seeger W, et al. **Verh Dtsch Ges Inn Med** 1990;96:397–413 (49 ref.) **(Ger)**
[Intraoperative diagnosis--measuring heart time volume and assessment of shunts] Hagl S, et al. **Z Kardiol** 1990;79 Suppl 4:107–17 (39 ref.) (Eng. Abstr.) **(Ger)**

CARDIAC OUTPUT, LOW

DRUG THERAPY

Effect of drug treatment on quality of life in mild to moderate heart failure. Waller DG. **Drug Saf** 1991 Jul-Aug; 6(4):241–6 (24 ref.)
Dopexamine hydrochloride: pharmacology and use in low cardiac output states. Ghosh S, et al. **J Cardiothorac Vasc Anesth** 1991 Aug;5(4):382–9 (59 ref.)
Pharmacologic support for postoperative low cardiac output. DiSesa VJ. **Semin Thorac Cardiovasc Surg** 1991 Jan; 3(1):13–23 (87 ref.)

ETIOLOGY

[From sleep apnea syndrome to chronic respiratory insufficiency and right cardiac effects] Weitzenblum E, et al. **Rev Mal Respir** 1990;7(5):433–40 (37 ref.) **(Fre)**

THERAPY

Extracorporeal life support for cardiopulmonary failure. Bartlett RH. **Curr Probl Surg** 1990 Oct;27(10):621–705 (218 ref.)

CARDIAC PACEMAKER, ARTIFICIAL see **PACEMAKER, ARTIFICIAL**

CARDIAC PACING, ARTIFICIAL

see related
PACEMAKER, ARTIFICIAL

Electrophysiologic testing. Fisch C. **Adv Intern Med** 1991; 36:319–27 (33 ref.)
Clinical applications of programmed electrical stimulation of the heart. Brugada P, et al. **Can J Cardiol** 1990 Oct; 6(8):373–9 (38 ref.)
Current status of antitachycardia devices. Rosenthal ME, et al. **Circulation** 1990 Dec;82(6):1889–99 (99 ref.)
Antitachycardia pacing: electrophysiologic concepts and clinical experience. Bashir Y, et al. **Indian Heart J** 1991 Jan-Feb;43(1):1–4 (29 ref.)
Circadian rate variation in rate-adaptive pacing systems. Lee MT, et al. **PACE** 1990 Dec;13(12 Pt 2):1797–801 (5 ref.)
Pacing in atrial arrhythmias. Sutton R. **PACE** 1990 Dec;13(12 Pt 2):1823–7 (36 ref.)
Programmed stimulation-guided therapy compared with implantable cardioverter defibrillator device therapy in the treatment of ventricular tachyarrhythmias. Troup PJ. **PACE** 1991 Feb;14(2 Pt 2):267–72 (31 ref.)
Noninvasive cardiac stimulation revisited. Zoll PM. **PACE** 1990 Dec;13(12 Pt 2):2014–6 (12 ref.)
The hemodynamics of cardiac pacing: clinical and physiological aspects. Baig MW, et al. **Prog Cardiovasc Dis** 1991 Mar-Apr;33(5):283–98 (197 ref.)
Surgery for ventricular tachycardia: intraoperative mapping techniques. Mickleborough LL. **Semin Thorac Cardiovasc Surg** 1989 Jul;1(1):74–82 (62 ref.)
[Ventricular arrhythmias in dilated cardiomyopathy. Clinical and prognostic significance and the role of programmed electric stimulation] Raviele A. **G Ital Cardiol** 1991 Jan; 21(1):87–93 (59 ref.) **(Ita)**
[Interventional and induction cardioarrhythmology. Electropharmacological intervention] Raviele A. **G Ital Cardiol** 1991 Mar;21(3):293–306 (143 ref.) **(Ita)**

METHODS

VVIR or DDD(R): does it matter? Griffin JC. **Clin Cardiol** 1991 Mar;14(3):257–60 (42 ref.)
Indications for and use of artificial cardiac pacemakers: Part I. Del Negro AA, et al. **Curr Probl Cardiol** 1978 Oct; 3(7):1–44 (49 ref.)
A physiological approach to different concepts of rate adaptive cardiac pacing. Schaldach M, et al. **Med Prog Technol** 1990;16(4):235–46 (37 ref.)
A new feature for control of inappropriate high rate tracking in DDDR pacemakers. Lee MT, et al. **PACE** 1990 Dec; 13(12 Pt 2):1852–5 (11 ref.)
Transesophageal pacing [see comments] Santini M, et al. **PACE** 1990 Oct;13(10):1298–323 (113 ref.) Comment in: PACE Pacing Clin Electrophysiol 1990 Oct;13(10):1324–5.
Automatic adjustment of pacing parameters based on intracardiac impedance measurements. Schaldach M. **PACE** 1990 Dec;13(12 Pt 2):1702–10 (29 ref.)
Dynamic cardiomyoplasty: an overview. Chiu RC. **PACE Pacing Clin Electrophysiol** 1991 Apr;14(4 Pt 1):577–84 (30 ref.)
Enhancing the physiologic effectiveness of cardiac stimulators in heart rhythms' management using chronobiology. Bakken EE, et al. **Prog Clin Biol Res** 1990; 341A:347–61 (53 ref.)
[Temporary pacing in connection with anesthesia. Indications and methods] Fonsmark L, et al. **Ugeskr Laeger** 1991 Mar 25;153(13):913–6 (24 ref.) (Eng. Abstr.) **(Dan)**
[Induction of supraventricular tachycardia (paroxysmal junctional tachycardia and atrial tachycardia) by esophageal stimulation] Brembilla-Perrot B, et al. **Arch Mal Coeur** 1990 Oct;83(11):1695–702 (28 ref.) (Eng. Abstr.) **(Fre)**
[Diagnosis of coronary artery disease by thallium 201 myocardial scintigraphy during atrial pacing] Le Helloco A, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):801–8 (30 ref.) (Eng. Abstr.) **(Fre)**
[Implanting an atrial pacemaker] Székely A, et al. **Orv Hetil** 1990 Dec 30;131(52):2855–9 (38 ref.) (Eng. Abstr.) **(Hun)**

CARDIAC RUPTURE see **HEART RUPTURE**

CARDIAC RUPTURE, TRAUMATIC see **HEART INJURIES**

CARDIAC STIMULANTS see **CARDIOTONIC AGENTS**

CARDIAC TAMPONADE

DIAGNOSIS

Imaging the pericardium. Hoit BD. **Cardiol Clin** 1990 Nov; 8(4):587–600 (49 ref.)
A systematic diagnostic approach to primary acute pericardial disease. The Barcelona experience. Soler-Soler J, et al. **Cardiol Clin** 1990 Nov;8(4):609–20 (54 ref.)

ETIOLOGY

Cardiac tamponade due to rupture of a subepicardial aneurysm following myocardial infarction. Imakita M, et al. **Acta Pathol Jpn** 1991 Jan;41(1):52–8 (22 ref.)
[Acute pleuropericarditis and cardiac tamponade as extraintestinal complications of ulcerative colitis] González Martín T, et al. **An Med Interna** 1990 Nov;7(11):581–4 (14 ref.) (Eng. Abstr.) **(Spa)**
[Cardiac tamponade as presentation form of lymphoma. Presentation of a case and review of the literature] Nicolás JM, et al. **An Med Interna** 1990 Feb;7(2):77–9 (16 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Cardiac tamponade. Reddy PS, et al. **Cardiol Clin** 1990 Nov; 8(4):627–37 (18 ref.)

SURGERY

[Late cardiac tamponade in heart surgery practice] Babliak DE, et al. **Grud Serdechnososudistaia Khir** 1990 Dec; (12):26–30 (28 ref.) (Eng. Abstr.) **(Rus)**

CARDIAC TRANSPLANTATION see **HEART TRANSPLANTATION**

CARDIAC VOLUME

Cardiac volume load as a determinant of the response of cardiac mass to antihypertensive therapy. Leenen FH, et al. **Eur Heart J** 1990 Nov;11 Suppl G:100–6 (22 ref.)

CARDIOGRAPHY, IMPEDANCE

Physiological correlates of impedance plethysmographic waveform. Dharani JB, et al. **J Postgrad Med** 1990 Apr; 36(2):71–9 (43 ref.)

METHODS

[Determination of the status of central hemodynamics using the method of tetrapolar thoracic rheography] Vizel' AA. **Probl Tuberk** 1990;(8):66–8 (41 ref.) **(Rus)**

CARDIOLIPINS

IMMUNOLOGY

Anticardiolipin antibodies and lupus anticoagulants. Lockshin MD. **Curr Opin Rheumatol** 1990 Oct;2(5):708–11 (21 ref.)
Lupus anticoagulant and anticardiolipin antibodies in pregnancy: a review. I. Immunochemistry and clinical implications. Hadi HA, et al. **Obstet Gynecol Surv** 1990 Nov;45(11):780–5 (36 ref.)
Lupus anticoagulant and anticardiolipin antibodies in pregnancy: a review. II. Diagnosis and management. Hadi HA, et al. **Obstet Gynecol Surv** 1990 Nov;45(11):786–91 (31 ref.)
[The role of anticardiolipin antibodies in the pathogenesis of arterial and venous thromboses] Eber B. **Acta Med Austriaca** 1990;17(4):67–70 (45 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

A new insight into adriamycin-induced cardiotoxicity. Fu LX, et al. **Int J Cardiol** 1990 Oct;29(1):15–20 (44 ref.)

CARDIOLOGY

see related
CARDIOVASCULAR DISEASES
HEART DISEASES
VASCULAR DISEASES

Fascinating rhythm: a primer on chaos theory and its application to cardiology. Denton TA, et al. **Am Heart J** 1990 Dec;120(6 (Pt 1)):1419–40 (126 ref.)
Current role of catheter ablative procedures in patients with cardiac arrhythmias. A report for health professionals from the Subcommittee on Electrocardiography and Electrophysiology, American Heart Association. Scheinman MM, et al. **Circulation** 1991 Jun;83(6):2146–53 (58 ref.)

METHODS

ACC/AHA guidelines for the clinical application of echocardiography. A report of the American College of Cardiology/American Heart Association Task Force on Assessment of Diagnostic and Therapeutic Cardiovascular Procedures (Subcommittee to Develop Guidelines for the Clinical Application of Echocardiography). **Circulation** 1990 Dec;82(6):2323–45 (199 ref.)
[The use of nuclear magnetic resonance in cardiology] Stefanova L, et al. **Vutr Boles** 1990;29(4):17–21 (0 ref.) **(Bul)**

STANDARDS

Cardiology and the quality of medical practice. The Cardiology Working Group [see comments] **JAMA** 1991 Jan 23-30;265(4):482–5; discussion 496–8 (17 ref.) Comment in: JAMA 1991 Jul 17;266(3):364.

CARDIOMYOPATHIES see **MYOCARDIAL DISEASES**

CARDIOMYOPATHY, CHAGAS see **CHAGAS CARDIOMYOPATHY**

CARDIOMYOPATHY, CONGESTIVE

Dilated and arrhythmogenous cardiomyopathies: old and new concepts. Sangiorgi M. **Cardiologia** 1990 Dec; 35(12):967–76 (143 ref.)
[Ventricular arrhythmias in dilated cardiomyopathy. Clinical and prognostic significance and the role of programmed electric stimulation] Raviele A. **G Ital Cardiol** 1991 Jan; 21(1):87–93 (59 ref.) **(Ita)**

CLASSIFICATION

[Cardiomyopathies: nosological entities, classification and the pathomorphological aspect of diagnosis] Rozenberg VD. **Klin Med (Mosk)** 1990 Jun;68(6):24–30 (50 ref.) **(Rus)**

COMPLICATIONS

[Arrhythmogenic potential of cardiomyopathies. Dilated cardiomyopathies] Fauchier JP, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84(1):95–103 (30 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Idiopathic dilated cardiomyopathies in children. Development and prognostic factors] Di Filippo S, et al. **Arch Mal Coeur Vaiss** 1991 May;84(5):721–6 (19 ref.) (Eng. Abstr.) **(Fre)**
[Dilated cardiomyopathies in children] Rossignol AM, et al. **Pediatrie** 1990;45(9):559–64 (32 ref.) (Eng. Abstr.) **(Fre)**
[Magnetic resonance in dilated, restrictive and arrhythmogenic cardiomyopathies] Raisaro A, et al. **Radiol Med (Torino)** 1990 Jul-Aug;80(1-2):118–24 (13 ref.) **(Ita)**
[Myocarditis and cardiomyopathy] Pietrzak M, et al. **Pol Arch Med Wewn** 1990 Mar;83(3):143–8 (39 ref.) **(Pol)**
[Differential diagnosis of myocardiodystrophies of different etiologies] Doshchitsin VL, et al. **Klin Med (Mosk)** 1991 Apr;69(4):7–13 (30 ref.) **(Rus)**

DRUG THERAPY

Arguments supporting the use of calcium antagonists in idiopathic dilated cardiomyopathy: theoretical considerations and clinical results. Figulla HR, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 6:S45–9 (34 ref.)

ETIOLOGY

Adult chronic lead intoxication. A clinical review. Balestra DJ. **Arch Intern Med** 1991 Sep;151(9):1718–20 (28 ref.)

[Current concepts on etiology and pathogenesis of dilated cardiomyopathy: analysis of viral immunological theories] Amosova EN, et al. **Kardiologiia** 1990 Oct;30(10):108–11 (88 ref.) **(Rus)**

[The course and prognosis of cardiomyopathies] Tereshchuk MG, et al. **Klin Med (Mosk)** 1991 Mar;69(3):18–23 (45 ref.) **(Rus)**

MORTALITY

Determinants of prognosis in heart failure and timing of operation. Borer JS. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):118–24 (23 ref.)

PATHOLOGY

Endomyocardial biopsy in dilated cardiomyopathy and myocarditis: which role? Camerini F, et al. **Int J Cardiol** 1991 Apr;31(1):1–8 (72 ref.)

Hypoxic right ventricular cardiomyopathy. A morphological and pathogenetic study on the myocardial atrophy and fatty infiltration. Silvestri F, et al. **Pathologica** 1990 Nov–Dec; 82(1082):593–616 (120 ref.)

PHYSIOPATHOLOGY

Functional consequences of cardiac hypertrophy and dilatation. Jacob R, et al. **Basic Res Cardiol** 1991;86 Suppl 1:113–30 (65 ref.)

The heart in congestive failure. Katz AM. **Cardioscience** 1990 Mar;1(1):3–6 (34 ref.)

Functional mitral regurgitation: physiologic and clinical significance in congestive cardiomyopathy. Keren G. **Isr J Med Sci** 1991 Feb;27(2):105–8 (30 ref.)

[Dilated cardiomyopathy with deep, completely reversible dysfunction of the left heart in alcoholic patients. Report of 2 cases] Marette P, et al. **Arch Mal Coeur** 1990 Nov; 83(12):1843–7; discussion 1853 (10 ref.) (Eng. Abstr.) **(Fre)**

[Heart failure in dilated cardiomyopathy. A disorder of cellular calcium homeostasis] Beuckelmann DJ, et al. **Dtsch Med Wochenschr** 1991 Mar 29;116(13):504–8 (24 ref.) **(Ger)**

[Doppler echocardiographic evaluation of the diastolic function in the left ventricule] Weitzel LH, et al. **Arq Bras Cardiol** 1990 Feb;54(2):147–56 (99 ref.) **(Por)**

SURGERY

Determinants of prognosis in heart failure and timing of operation. Borer JS. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):118–24 (23 ref.)

Heart transplantation in infants and children. Yacoub MH, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):206–12 (72 ref.)

CARDIOMYOPATHY, DILATED see **CARDIOMYOPATHY, CONGESTIVE**

CARDIOMYOPATHY, HYPERTROPHIC

Hypertrophic cardiomyopathy: prognosis with medical or surgical therapy. Blanchard DG, et al. **Clin Cardiol** 1991 Jan;14(1):11–9 (106 ref.)

CLASSIFICATION

[Apical hypertrophic pseudocardiomyopathy: nosological problems] Ferrari E, et al. **Ann Cardiol Angeiol (Paris)** 1991 Mar;40(3):135–40 (17 ref.) (Eng. Abstr.) **(Fre)**

[Cardiomyopathies: nosological entities, classification and the pathomorphological aspect of diagnosis] Rozenberg VD. **Klin Med (Mosk)** 1990 Jun;68(6):24–30 (50 ref.) **(Rus)**

COMPLICATIONS

Hypertrophic obstructive cardiomyopathy and infective endocarditis: a report of seven cases and a review of the literature. Alessandri N, et al. **Eur Heart J** 1990 Nov; 11(11):1041–8 (46 ref.)

[Diagnosis and evaluation of mitral endocarditis complicating obstructive cardiomyopathy using cardiac echo–Doppler] Chapoutot L, et al. **Ann Cardiol Angeiol (Paris)** 1991 Jan; 40(1):33–7 (18 ref.) (Eng. Abstr.) **(Fre)**

[Dynamic left ventricular obstruction increased by nitroglycerin in elderly patients with hypertension and concentric left ventricular hypertrophy] Cohen A, et al. **Arch Mal Coeur** 1990 Jul;83(8):1155–60 (10 ref.) (Eng. Abstr.) **(Fre)**

[Study of the arrhythmogenicity of cardiomyopathies. Hypertrophic cardiomyopathies] Fauchier JP, et al. **Arch Mal Coeur Vaiss** 1991 Mar;84(3):365–72 (31 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Abnormalities of the skeletal muscle in hypertrophic cardiomyopathy. Spectroscopy using phosphorus–31 nuclear magnetic resonance] Duboc D, et al. **Arch Mal Coeur Vaiss** 1991 Feb;84(2):185–8 (20 ref.) (Eng. Abstr.) **(Fre)**

[The diagnosis of arrhythmias in hypertrophic cardiomyopathy] Lengfelder W, et al. **Dtsch Med Wochenschr** 1991 Aug 30;116(35):1319–21 (14 ref.) **(Ger)**

[Differential diagnosis of myocardiodystrophies of different etiologies] Doshchitsin VL, et al. **Klin Med (Mosk)** 1991 Apr;69(4):7–13 (30 ref.) **(Rus)**

DRUG THERAPY

Left ventricular hypertrophy: impact of calcium channel blocker therapy. Messerli FH. **Am J Med** 1991 May 17; 90(5A):27S–31S (46 ref.)

Is drug treatment of tachyarrhythmias a science or a lottery? Campbell RW. **Cardiologia** 1990 Jan;35(1 Suppl):43–5 (15 ref.)

Pharmacologic treatment of hypertrophic cardiomyopathy: beta-blockade or calcium blockade or what? [editorial] Goodwin JF. **Cardiovasc Drugs Ther** 1988 Mar;1(6):665–8 (11 ref.)

ETIOLOGY

[The course and prognosis of cardiomyopathies] Tereshchuk MG, et al. **Klin Med (Mosk)** 1991 Mar;69(3):18–23 (45 ref.) **(Rus)**

GENETICS

Pathogenesis of hypertrophic cardiomyopathy: another viewpoint. Kothari SS. **Int J Cardiol** 1991 Jan;30(1):9–13 (46 ref.)

PHYSIOPATHOLOGY

Left ventricular diastolic function in hypertrophic cardiomyopathy. Bonow RO. **Herz** 1991 Feb;16(1):13–21 (57 ref.)

Diastolic function in valvular heart disease. Hess OM, et al. **Herz** 1991 Apr;16(2):124–9 (22 ref.) **(Eng, Ger)**

[Doppler echocardiographic evaluation of the diastolic function in the left ventricule] Weitzel LH, et al. **Arq Bras Cardiol** 1990 Feb;54(2):147–56 (99 ref.) **(Por)**

THERAPY

Long-term follow-up of medical versus surgical therapy for hypertrophic cardiomyopathy: a retrospective study [see comments] Seiler C, et al. **J Am Coll Cardiol** 1991 Mar 1;17(3):634–42 (41 ref.) Comment in: J Am Coll Cardiol 1991 Mar 1;17(3):643–5.

CARDIOMYOPATHY, HYPERTROPHIC OBSTRUCTIVE see **CARDIOMYOPATHY, HYPERTROPHIC**

CARDIOMYOPATHY, RESTRICTIVE

CLASSIFICATION

[Cardiomyopathies: nosological entities, classification and the pathomorphological aspect of diagnosis] Rozenberg VD. **Klin Med (Mosk)** 1990 Jun;68(6):24–30 (50 ref.) **(Rus)**

DIAGNOSIS

The differentiation of restrictive cardiomyopathy from constrictive pericarditis. Schoenfeld MH. **Cardiol Clin** 1990 Nov;8(4):663–71 (65 ref.)

[Magnetic resonance in dilated, restrictive and arrhythmogenic cardiomyopathies] Raisaro A, et al. **Radiol Med (Torino)** 1990 Jul–Aug;80(1–2):118–24 (13 ref.) **(Ita)**

[Differential diagnosis of myocardiodystrophies of different etiologies] Doshchitsin VL, et al. **Klin Med (Mosk)** 1991 Apr;69(4):7–13 (30 ref.) **(Rus)**

ETIOLOGY

[The course and prognosis of cardiomyopathies] Tereshchuk MG, et al. **Klin Med (Mosk)** 1991 Mar;69(3):18–23 (45 ref.) **(Rus)**

CARDIOPLEGIA see **HEART ARREST, INDUCED**

CARDIOPLEGIC SOLUTIONS

PHARMACOLOGY

Basic principles of cardioplegic management in donor heart preservation. Havel M, et al. **Clin Ther** 1991 Mar–Apr; 13(2):289–303 (90 ref.)

CARDIOPULMONARY ARREST see **HEART ARREST**

CARDIOPULMONARY BYPASS

Cardiopulmonary–cerebral resuscitation: advanced and prolonged life support with emergency cardiopulmonary bypass. Tisherman SA, et al. **Acta Anaesthesiol Scand Suppl** 1990;94:63–72 (110 ref.)

Glucose management during cardiopulmonary bypass: cardiovascular and neurologic implications [editorial; comment] Lanier WL. **Anesth Analg** 1991 Apr;72(4):423–7 (33 ref.) Comment on: Anesth Analg 1991 Apr;72(4):428–34.

The choice of inotropes following cardiopulmonary bypass. Con: amrinone is not a first-choice inotrope following cardiopulmonary bypass. Estafanous FG. **J Cardiothorac Vasc Anesth** 1991 Apr;5(2):184–6 (17 ref.)

The choice of inotropes following cardiopulmonary bypass. Pro: amrinone is a first-choice inotrope following cardiopulmonary bypass. Hines R. **J Cardiothorac Vasc Anesth** 1991 Apr;5(2):181–3 (18 ref.)

Anesthesia, cardiopulmonary bypass, and the pregnant patient. Strickland RA, et al. **Mayo Clin Proc** 1991 Apr; 66(4):411–29 (174 ref.)

Heparin and protamine therapy. Arén C. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):364–72 (93 ref.)

Blood cell activation. Royston D. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):341–57 (129 ref.)

The hemodynamics of cardiopulmonary bypass. Taylor KM. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):300–12 (100 ref.)

ADVERSE EFFECTS

Bleeding complications associated with cardiopulmonary bypass. Woodman RC, et al. **Blood** 1990 Nov 1; 76(9):1680–97 (204 ref.)

Con: desmopressin is not of value in the treatment of post-cardiopulmonary bypass bleeding. Hackmann T, et al. **J Cardiothorac Vasc Anesth** 1991 Jun;5(3):290–3 (28 ref.)

Pro: desmopressin is of value in the treatment of post-cardiopulmonary bypass bleeding. Shiffrin JS, et al. **J Cardiothorac Vasc Anesth** 1991 Jun;5(3):285–9 (59 ref.)

Gut mucosal ischemia during cardiac surgery. Fiddian-Green RG. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):389–99 (70 ref.)

Risk containment during cardiopulmonary bypass. Kurusz M, et al. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):400–9 (28 ref.)

Brain injury and protection. Smith PL. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):381–8 (75 ref.)

INSTRUMENTATION

Perfusion with heparin-coated equipment: potential for clinical use. von Segesser LK, et al. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):373–80 (28 ref.)

METHODS

Optimal pressures and flows during cardiopulmonary bypass. Pro: a low-flow, low-pressure technique is acceptable. Garman JK. **J Cardiothorac Vasc Anesth** 1991 Aug; 5(4):399–401 (10 ref.)

Optimal pressures and flows during cardiopulmonary bypass. Con: pressure is more important than flow. Hecker BR, et al. **J Cardiothorac Vasc Anesth** 1991 Aug;5(4):402–4 (20 ref.)

Perfusion for pediatric open heart surgery. Elliott MJ. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):332–40 (33 ref.)

CARDIOPULMONARY RESUSCITATION see **RESUSCITATION**

CARDIOSPASM see **ESOPHAGEAL ACHALASIA**

CARDIOTOCOGRAPHY

INSTRUMENTATION

[Computer-assisted analysis of cardiorespiratory data in the neonatal period] Rother M, et al. **Psychiatr Neurol Med Psychol Beih** 1990;43:37–44 (22 ref.) **(Ger)**

[New methodologic aspects of the analysis of heart rate variability in newborn infants as a selected example for heart rate analysis with special signal properties] Witte H, et al. **Psychiatr Neurol Med Psychol Beih** 1990;43:89–99 (27 ref.) **(Ger)**

METHODS

Computerized analysis of cardiotocograms and fetal movements. Maeda K. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):797–813 (15 ref.)

CARDIOTONIC AGENTS

The safety profile of ibopamine, an alternative substance for treatment of chronic heart failure. Holubarsch C, et al. **Cardiology** 1990;77 Suppl 5:1–8 (52 ref.)

Hemodynamic and neurohumoral effects of ibopamine in patients with chronic congestive heart failure. López-Sendón J. **Cardiology** 1990;77 Suppl 5:9–21 (54 ref.)

Pharmacological profile of ibopamine. A summary of experiments on anaesthesized dogs. Marchetti GV. **Cardiology** 1990;77 Suppl 5:22–9 (34 ref.)

Effect of ibopamine, a dopamine congener, on arrhythmias

in heart failure. Storstein L. **Cardiology** 1990;77 Suppl 5:30–5 (31 ref.)

ADVERSE EFFECTS

Inotropic agents. Catecholamines, digoxin, amrinone. Notterman DA. **Crit Care Clin** 1991 Jul;7(3):583–613 (130 ref.)

CHEMICAL SYNTHESIS

[Positive inotropic agents: modelling, synthesis and SAR] Leclerc GA. **J Pharm Belg** 1991 Jan–Feb;46(1):23–36 (18 ref.) (Eng. Abstr.) **(Fre)**

CONTRAINDICATIONS

Are inotropic agents contraindicated in congestive heart failure? Katz AM. **Cardiovasc Drugs Ther** 1989 Jan; 2(6):747–50 (33 ref.)

PHARMACOKINETICS

Pharmacology and pharmacokinetics of enoximone. Dage RC, et al. **Cardiology** 1990;77 Suppl 3:2–13; discussion 27–33 (18 ref.)

Effects of cardiovascular disease on pharmacokinetics. Rodighiero V. **Cardiovasc Drugs Ther** 1989 Oct;3(5):711–30 (168 ref.)

PHARMACOLOGY

Inotropic and vasoactive drugs for management of the critically ill. McGrath RB. **Acute Care** 1988–89; 14–15:293–312 (192 ref.)

Does intravenous milrinone have a direct effect on diastolic function? Krams R, et al. **Am Heart J** 1991 Jun;121(6 (Pt 2)):1951–5 (10 ref.)

Clinical pharmacology of ibopamine. Itoh H. **Am J Med** 1991 May 29;90(5B):36S–42S (12 ref.)

Pharmacology and pharmacokinetics of enoximone. Dage RC, et al. **Cardiology** 1990;77 Suppl 3:2–13; discussion 27–33 (18 ref.)

New mechanisms for positive inotropic agents: focus on the discovery and development of imazodan. Weishaar RE, et al. **Cardiovasc Drugs Ther** 1989 Mar;3(1):29–42 (90 ref.)

THERAPEUTIC USE

Medical management of chronic heart failure: inotropic, vasodilator, or inodilator drugs? Lang R. **Am Heart J** 1990 Dec;120(6 (Pt 2)):1558–64 (71 ref.)

How to select a drug for the long-term treatment of chronic heart failure. Man in 't Veld AJ. **Am Heart J** 1990 Dec; 120(6 (Pt 2)):1572–8 (43 ref.)

Efficacy of ibopamine in the treatment of heart failure. Taylor SH, et al. **Am Heart J** 1990 Dec;120(6 (Pt 2)):1583–90 (42 ref.)

Ibopamine in chronic congestive heart failure: hemodynamic and neurohumoral effects. López-Sendón J. **Am J Med** 1991 May 29;90(5B):43S–49S (50 ref.)

Ibopamine in the treatment of heart failure. Man in 't Veld AJ. **Am J Med** 1991 May 29;90(5B):50S–54S (27 ref.)

Combination of positive inotropic and vasodilating substances in congestive heart failure. Cantelli I, et al. **Cardiovasc Drugs Ther** 1988 May;2(1):83–91 (49 ref.)

Can new inodilators displace digitalis in the therapy of congestive heart failure? Kumada T, et al. **Cardiovasc Drugs Ther** 1989 Jan;2(6):751–5 (50 ref.)

Pharmacologic treatment of heart failure. Nagelhout JJ. **Nurs Clin North Am** 1991 Jun;26(2):401–15 (17 ref.)

Pharmacologic support for postoperative low cardiac output. DiSesa VJ. **Semin Thorac Cardiovasc Surg** 1991 Jan; 3(1):13–23 (87 ref.)

Use of inotropic agents in critical illness. Stanford GG. **Surg Clin North Am** 1991 Aug;71(4):683–98 (38 ref.)

Congestive heart failure. New frontiers. Parmley WW, et al. **West J Med** 1991 Apr;154(4):427–41 (132 ref.)

[Role of the enoximone–dobutamine combination in the treatment of congestive cardiac insufficiency] Richard C, et al. **Arch Mal Coeur** 1990 Sep;83 Spec No 3:33–7 (16 ref.) (Eng. Abstr.) **(Fre)**

[Cardiac insufficiency in children. Mechanisms and treatment] Sassolas F, et al. **Pediatrie** 1991;46(3):229–35 (12 ref.) (Eng. Abstr.) **(Fre)**

[Physiological bases and therapeutic uses of inodilator drugs] Costa R, et al. **Clin Ter** 1991 Jan 31;136(2):85–94 (55 ref.) (Eng. Abstr.) **(Ita)**

TOXICITY

Hemodynamically induced heart lesions in the dog after the administration of cardio-active substances. Schneider P. **Exp Pathol** 1990;40(3):155–68 (29 ref.)

CARDIOTONIC STEROIDS see CARDIAC GLYCOSIDES

CARDIOVASCULAR AGENTS

ADVERSE EFFECTS

Questionnaire for the Assessment of Symptoms and Psychological Effects in Cardiovascular Therapy (the ASPECT Scale). Jern S. **Scand J Prim Health Care Suppl** 1990;1:31–2 (4 ref.)

Update of hepatotoxicity due to classes of drugs in common clinical use: non-steroidal drugs, anti-inflammatory drugs, antibiotics, antihypertensives, and cardiac and psychotropic agents. Zimmerman HJ. **Semin Liver Dis** 1990 Nov; 10(4):322–38 (172 ref.)

CHEMISTRY

Drug molecules of marine origin. Kaul PN. **Prog Drug Res** 1990;35:521–57 (557 ref.)

PHARMACOKINETICS

Cardiovascular drugs in the elderly. Abrams WB. **Chest** 1990 Oct;98(4):980–6 (30 ref.)

Pharmacokinetics of newer drugs in patients with renal impairment (Part II). Singlas E, et al. **Clin Pharmacokinet** 1991 May;20(5):389–410 (127 ref.)

PHARMACOLOGY

Voltage-dependent and agonist-activated ionic currents in vascular endothelial cells: a review. Takeda K, et al. **Blood Vessels** 1990;27(2–5):169–83 (61 ref.)

Effect of a bradycardic agent on the isolated blood-perfused canine heart. Schipke JD, et al. **Cardiovasc Drugs Ther** 1991 Apr;5(2):481–8 (40 ref.)

Mechanisms of cardiovascular drugs as antioxidants. Weglicki WB, et al. **J Mol Cell Cardiol** 1990 Oct; 22(10):1199–208 (41 ref.)

Vascular activities of the endothelins. Randall MD. **Pharmacol Ther** 1991;50(1):73–93 (148 ref.)

[The collateral coronary circulation and the problem of its pharmacological stimulation] Gatsura VV. **Usp Fiziol Nauk** 1990 Jul–Sep;21(3):19–37 (64 ref.) **(Rus)**

THERAPEUTIC USE

Tolerance to organic nitrates: evidence, mechanisms, clinical relevance, and strategies for prevention. Elkayam U. **Ann Intern Med** 1991 Apr 15;114(8):667–77 (134 ref.)

Optimizing the exercise test for pharmacological investigations [see comments] Myers J, et al. **Circulation** 1990 Nov;82(5):1839–46 (58 ref.) Comment in: Circulation 1991 Jun;83(6):2144–5.

Therapeutic approaches affecting diastolic ventricular function. Warren SE, et al. **Herz** 1991 Feb;16(1):33–45 (93 ref.)

[Symptomatic treatment of chronic cardiac insufficiency] Zannad F. **Arch Mal Coeur** 1990 Nov;83(13):1927–34 (76 ref.) (Eng. Abstr.) **(Fre)**

[Can sudden death be prevented by drugs?] Amann FW. **Schweiz Rundsch Med Prax** 1990 Sep 25;79(39):1142–8 (27 ref.) (Eng. Abstr.) **(Ger)**

[Cardiovascular pharmacology. An example of the need of clinically relevant pharmacological research] Raberger G, et al. **Wien Klin Wochenschr** 1990 Oct 26;102(20):593–601 (45 ref.) (Eng. Abstr.) **(Ger)**

[Principles of the treatment of myocardial failure] Korewicki J, et al. **Kardiol Pol** 1990 Feb;33(2):126–35 (32 ref.) **(Pol)**

[The prospects for the pharmacological correction of the microcirculatory disorders in patients with chronic ischemic heart disease] Atroshchenko ES. **Farmakol Toksikol** 1991 Mar–Apr;54(2):34–8 (97 ref.) (Eng. Abstr.) **(Rus)**

[The primary prevention of ischemic cardiopathy. What is the place of pharmacological intervention?] Corral Corral C. **Med Clin (Barc)** 1991 Mar 16;96(10):388–93 (26 ref.) **(Spa)**

CARDIOVASCULAR DISEASE (SPECIALTY) see CARDIOLOGY

CARDIOVASCULAR DISEASES

BLOOD

Fibrinogen and factor VII as risk factors in vascular disease. Hultin MB. **Prog Hemost Thromb** 1991;10:215–41 (104 ref.)

[Plasma fibrinogen and cardiovascular disease] Møller LF, et al. **Ugeskr Laeger** 1991 Aug 19;153(34):2343–5 (30 ref.) (Eng. Abstr.) **(Dan)**

[Lipoprotein (a): a new cardiovascular risk factor] Herbaut C. **Rev Med Brux** 1991 May;12(5):167–72 (15 ref.) (Eng. Abstr.) **(Fre)**

[The clinical rheological laboratory] Kiesewetter H, et al. **Biomed Tech (Berlin)** 1990 Oct;35(10):219–23 (24 ref.) (Eng. Abstr.) **(Ger)**

[Controversies in cardiology on dietary regimes from dietary fibers to fish oils] de Oliveira MH. **Rev Port Cardiol** 1991 Apr;10(4):355–9 (42 ref.) (Eng. Abstr.) **(Por)**

CHEMICALLY INDUCED

Solvent exposure and cardiovascular disease. Wilcosky TC, et al. **Am J Ind Med** 1991;19(5):569–86 (49 ref.)

The cardiovascular effects of cocaine. Goldfrank LR, et al. **Ann Emerg Med** 1991 Feb;20(2):165–75 (143 ref.)

Adverse cardiovascular effects of partial correction of renal anemia by recombinant human erythropoietin. Frei U, et al. **Contrib Nephrol** 1990;82:72–8 (34 ref.)

Cardiovascular complications of cocaine. Isner JM, et al. **Curr Probl Cardiol** 1991 Feb;16(2):89–123 (80 ref.)

[Alcohol and the circulatory system] Ptaszyńska A. **Kardiol Pol** 1990;33(9–10):48–54 (39 ref.) **(Pol)**

[The effect of hormonal drugs used during menopause on the cardiovascular system] Szymasiuk J, et al. **Pol Tyg Lek** 1989 Dec 2–24;44(49–52):970–2 (20 ref.) **(Pol)**

[Effect of atmospheric pollution on health of the population and immunologic reactivity (review of the literature)] Ustinenko AN, et al. **Gig Sanit** 1990 Aug;(8):11–5 (70 ref.) **(Rus)**

[Blood levels of tricyclic antidepressants and their clinical effectiveness (review of the literature)] Chekalina ND. **Zh Nevropatol Psikhiatr** 1991;91(5):116–22 (79 ref.) **(Rus)**

[Cardiovascular effects of tricyclic antidepressive agents] Martí V, et al. **Med Clin (Barc)** 1990 Nov 3;95(15):589–94 (82 ref.) **(Spa)**

COMPLICATIONS

Advances and pathophysiology of vascular complications of diabetes. Introduction. Gwynne JT, et al. **Diabetes Care** 1991 Feb;14(2):148–52 (0 ref.)

Cardiovascular causes of syncope. Identifying and controlling trigger mechanisms. Akhtar M, et al. **Postgrad Med** 1991 Aug;90(2):87–94 (33 ref.)

[Cerebrovascular disorders as a manifestation of a generalized disease] Lechleitner M, et al. **Acta Med Austriaca** 1991; 18(2):47–51 (34 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSIS

ACC/AHA guidelines for the clinical application of echocardiography. A report of the American College of Cardiology/American Heart Association Task Force on Assessment of Diagnostic and Therapeutic Cardiovascular Procedures (Subcommittee to Develop Guidelines for the Clinical Application of Echocardiography). **Circulation** 1990 Dec;82(6):2323–45 (199 ref.)

Exercise standards. A statement for health professionals from the American Heart Association. Fletcher GF, et al. **Circulation** 1990 Dec;82(6):2286–322 (99 ref.)

Thoracic magnetic resonance imaging. Weinreb JC, et al. **Clin Chest Med** 1991 Mar;12(1):33–54 (108 ref.)

Cardiovascular nuclear magnetic resonance imaging and spectroscopy. Rehr RB. **Curr Probl Cardiol** 1991 Mar; 16(3):125–215 (200 ref.)

Preseason cardiovascular examination: a review. Hergenroeder AC, et al. **J Adolesc Health Care** 1990 Sep; 11(5):379–86 (60 ref.)

Preoperative evaluation of the patient with cardiac disease. Sklaroff HJ. **Mt Sinai J Med** 1991 Jan;58(1):48–57 (33 ref.)

[Magnetic resonance tomography in the clinical routine: study of the heart and the great vessels] Bauer R, et al. **Rontgenpraxis** 1990 Dec;43(12):432–8 (24 ref.) **(Ger)**

[Diagnostic importance of the jugular veins] Baumgartner I, et al. **Vasa** 1991;20(1):3–9 (44 ref.) (Eng. Abstr.) **(Ger)**

[Magnetic resonance tomography of the whole body—methodology and clinical results] Sandring KH, et al. **Z Arztl Fortbild (Jena)** 1990;84(24):1259–63 (19 ref.) **(Ger)**

DRUG THERAPY

Angiotensin converting enzyme inhibitors in cardiovascular and renal disease in Africans: a review. Ajayi AA. **Afr J Med Med Sci** 1991 Jun;20(2):123–34 (70 ref.)

Progress in cardioprotection: the role of calcium antagonists. Kloner RA, et al. **Am J Cardiol** 1990 Nov 20;66(18):2H–9H (45 ref.)

Antithrombotic therapy in cardiovascular diseases. Future directions based on pathogenesis and risk. Ip JH, et al. **Ann N Y Acad Sci** 1991;614:289–311 (122 ref.)

New approaches to antiplatelet therapy. Ezratty AM, et al. **Blood Coagul Fibrinolysis** 1991 Apr;2(2):317–27 (73 ref.)

Beta-adrenoceptor partial agonists: a renaissance in cardiovascular therapy? Waller DG. **Br J Clin Pharmacol** 1990 Aug;30(2):157–71 (105 ref.)

Calcium channel antagonism and beta blockade in combination--a therapeutic alternative in cardiovascular disorders. A review. Lessem JN, et al. **Cardiovasc Drugs Ther** 1989 Jun;3(3):355–73 (156 ref.)

The role of serotonin in cardiovascular diseases and their treatment. van Zwieten PA, et al. **Cardiovasc Drugs Ther** 1990 Dec;4(6):1443–7 (43 ref.)

The therapeutic potential of carnitine in cardiovascular disorders. Pepine CJ. **Clin Ther** 1991 Jan–Feb;13(1):2–21; discussion 1 (53 ref.)

Cardiovascular therapies in the 1990s. An overview. Becker RC, et al. **Drugs** 1991 Mar;41(3):345–57 (131 ref.)

Quinapril. A review of its pharmacological properties, and therapeutic efficacy in cardiovascular disorders. Wadworth AN, et al. **Drugs** 1991 Mar;41(3):378–99 (77 ref.)

Clinical use of dopamine receptor agonists. Murphy MB. **Proc West Pharmacol Soc** 1990;33:31–5 (37 ref.)

Towards better thrombolytic therapy. Collen D, et al. **Prog Cardiovasc Dis** 1991 Sep–Oct;34(2):101–12 (94 ref.)

Questionnaire for the Assessment of Symptoms and Psychological Effects in Cardiovascular Therapy (the ASPECT Scale). Jern S. **Scand J Prim Health Care Suppl** 1990;1:31–2 (4 ref.)

[Dobutamine: mechanisms of action and use in acute cardiovascular pathology] Vallet B, et al. **Ann Cardiol Angeiol (Paris)** 1991 Jun;40(6):397–402 (35 ref.)

(Eng. Abstr.) **(Fre)**

[Selection criteria for differential therapy with beta receptor blockers] Knauf H, et al. **Dtsch Med Wochenschr** 1990 Dec 21;115(51–52):1963–70 (36 ref.) **(Ger)**

[Thrombocyte inhibitors in cardiovascular therapy] Lüscher TF, et al. **Schweiz Rundsch Med Prax** 1990 Sep 25; 79(39):1132–41 (67 ref.) (Eng. Abstr.) **(Ger)**

[Beta receptor blockers. Their role and therapeutic importance] Regenthal R, et al. **Z Gesamte Inn Med** 1991 Jan–Feb;46(1–2):1–5 (15 ref.) (Eng. Abstr.) **(Ger)**

[Heparin: its mechanism of action and use in cardiology] Serneri GG, et al. **G Ital Cardiol** 1990 Jul;20(7):670–4 (41 ref.) **(Ita)**

[Nitrates in cardiovascular diseases] Nartowicz E. **Kardiol Pol** 1990;33(5):335–43 (41 ref.) **(Pol)**

[Antidepressive medication in older patients with cardiovascular ailments] Chiriță V, et al. **Rev Med Chir Soc Med Nat Iasi** 1990 Jan–Mar;94(1):87–90 (27 ref.) (Eng. Abstr.) **(Rum)**

ECONOMICS

Economic considerations that influence health policy and research. Harlan WR. **Hypertension** 1989 May;13(5 Suppl):I158–63 (9 ref.)

EPIDEMIOLOGY

The epidemiology of cardiovascular disease in older persons. Bush TL. **Aging (Milano)** 1991 Mar;3(1):3–8 (25 ref.)

Effect of fish consumption compared to intake of fish oil. Deslypere JP. **Bibl Nutr Dieta** 1990;(46):53–69 (53 ref.)

Selenium and cardiovascular disease. Oster O, et al. **Biol Trace Elem Res** 1990 Feb;24(2):91–103 (56 ref.)

Urban and rural differences in cardiovascular disease in blacks. Keil JE, et al. **Cardiovasc Clin** 1991;21(3):17–28 (22 ref.)

Obesity, diet, and psychosocial factors contributing to cardiovascular disease in blacks. Kumanyika S, et al. **Cardiovasc Clin** 1991;21(3):47–73 (118 ref.)

Central obesity, glucose intolerance and other cardiovascular disease risk factors: an old syndrome rediscovered. Zimmet P, et al. **Diabetes Res Clin Pract** 1990;10 Suppl 1:S167–71 (19 ref.)

Serum lipoproteins as risk factors: recent epidemiologic studies in individuals with and without prevalent cardiovascular disease. Tyroler HA. **Eur Heart J** 1990 Dec; 11 Suppl H:21–5 (12 ref.)

Risk ratios and risk differences in estimating the effect of risk factors for cardiovascular disease in the elderly. Psaty BM, et al. **J Clin Epidemiol** 1990;43(9):961–70 (38 ref.)

Epidemiology of cardiovascular disease in developing countries. Akinkugbe OO. **J Hypertens Suppl** 1990 Dec; 8(7):S233–8 (41 ref.)

Smoking and hypertension as predictors of cardiovascular risk in population studies. Kannel WB, et al. **J Hypertens Suppl** 1990 Sep;8(5):S3–8 (11 ref.)

ETHNOLOGY

Cardiovascular disease risk factors in Australian aborigines. O'Dea K. **Clin Exp Pharmacol Physiol** 1991 Feb;18(2):85–8 (10 ref.)

ETIOLOGY

Mechanisms of diabetic renal and cardiovascular disease. Viberti GC. **Acta Diabetol Lat** 1990 Jul–Sep;27(3):267–76 (54 ref.)

Postprandial hyperlipidemia. Gotto AM Jr, et al. **Am J Cardiol** 1991 Jul 24;68(3):11A–12A (11 ref.)

Generation of intracellular signals by low density lipoprotein is independent of the classical LDL receptor. Sachinidis A, et al. **Am J Hypertens** 1991 Mar;4(3 Pt 1):274–9 (31 ref.)

Cardiovascular and metabolic characteristics of hypertension. Weber MA, et al. **Am J Med** 1991 Jul 18;91(1A):4S–10S (55 ref.)

The peripheral vascular consequences of smoking. Krupski WC. **Ann Vasc Surg** 1991 May;5(3):291–304 (145 ref.)

Alcohol and the heart. The long-term effects of alcohol on the cardiovascular system. Moushmoush B, et al. **Arch Intern Med** 1991 Jan;151(1):36–42 (141 ref.)

Lipids, vascular disease, and dementia with advancing age. Epidemiologic considerations. Zimetbaum P, et al. **Arch Intern Med** 1991 Feb;151(2):240–4 (47 ref.)

High-density lipoprotein subfractions and cardiovascular disease. Skinner ER, et al. **Biochem Soc Trans** 1990 Dec; 18(6):1074–6 (30 ref.)

Cardiovascular effects of alcohol, cocaine, and acquired immune deficiency. Brown J, et al. **Cardiovasc Clin** 1991; 21(3):341–76 (194 ref.)

Cardiovascular effects of smoking. Mancia G, et al. **Clin Exp Hypertens [A]** 1990;12(5):917–29 (22 ref.)

Cardiovascular problems in end-stage renal failure: haemofiltration. Quellhorst E. **Contrib Nephrol** 1990; 78:212–20 (1 ref.)

Neurologic conditions affecting the cardiovascular system. Cuetter AC, et al. **Curr Probl Cardiol** 1990 Sep; 15(9):473–568 (335 ref.)

Cardiac disease in the alcoholic patient. Peacock WF 4th. **Emerg Med Clin North Am** 1990 Nov;8(4):775–91 (93 ref.)

Consensus: hypertriglyceridaemia as a vascular risk factor. The Italian Group for the Study of Metabolic Diseases and Arteriosclerosis. Sirtori CR, et al. **Eur Heart J** 1990 Dec;11 Suppl H:44–8 (36 ref.)

The relationship of diet to cancer, cardiovascular disease and longevity. Leis HP Jr. **Int Surg** 1991 Jan–Mar;76(1):1–5 (35 ref.)

Kawasaki syndrome—cardiovascular manifestations. Rose V. **J Rheumatol Suppl** 1990 Sep;24:11–4 (20 ref.)

Cardiovascular complications of inactivity. Thompson WG, et al. **Rheum Dis Clin North Am** 1990 Nov;16(4):803–13 (87 ref.)

Fibrinogen as a major risk factor in cardiovascular disease. Cook NS, et al. **Trends Pharmacol Sci** 1990 Nov; 11(11):444–51 (53 ref.)

[Health risks of obesity. Significance of the regional distribution of adipose tissue] Richelsen B. **Ugeskr Laeger** 1991 Mar 25;153(13):908–13 (30 ref.) (Eng. Abstr.) **(Dan)**

[Cardiovascular complications in chronic atrophic polychondritis. Apropos of an anatomo-clinical case. Review of the literature] Mainguéné C, et al. **Ann Cardiol Angeiol (Paris)** 1991 Feb;40(2):97–102 (15 ref.) (Eng. Abstr.) **(Fre)**

[The factors of relaxation and contraction produced by the vascular endothelium. Effect of aging and the cardiovascular risk factors] Richard V, et al. **Ann Cardiol Angeiol (Paris)** 1991 May;40(5):249–54 (57 ref.) **(Fre)**

[German Society of Pneumology Study Group: Nocturnal disorders of respiratory and cardiovascular regulation. Recommendations for diagnosis and therapy of nocturnal disorders of respiratory and cardiovascular regulation] Fischer J. **Pneumologie** 1991 Feb;45(2):45–8 (27 ref.) **(Ger)**

[Smoking and smoking cessation in the context of preventive cardiology] Abelin T. **Schweiz Rundsch Med Prax** 1990 Sep 11;79(37):1062–7 (39 ref.) (Eng. Abstr.) **(Ger)**

[Hypertension in the aged: when to treat it?] Steiner A, et al. **Schweiz Rundsch Med Prax** 1991 Jun 18;80(25):692–5 (33 ref.) (Eng. Abstr.) **(Ger)**

[Cigarette smoking and diseases of the circulatory system] Chamiec T. **Kardiol Pol** 1990;33(9–10):43–7 (44 ref.) **(Pol)**

[Environment, working conditions and cardiovascular diseases] Kristensen TS, et al. **Arq Bras Cardiol** 1990 Oct; 55(4):223–6 (20 ref.) **(Por)**

[Interrelations between functional changes and health status and climatic factors of Extreme North (review)] Dedenko II, et al. **Gig Sanit** 1990 Jul;(7):4–9 (58 ref.) **(Rus)**

[Cardiovascular diseases in sarcoidosis] Dobin VL, et al. **Probl Tuberk** 1991;(2):71–4 (70 ref.) **(Rus)**

[Endothelin. Its physiological activity. Its role in cardiovascular pathology] Zharova EA, et al. **Ter Arkh** 1990;62(8):140–5 (111 ref.) **(Rus)**

[Lipids and cardiovascular diseases] Reiner Z. **Lijec Vjesn** 1990 Jul–Aug;112(7–8):243–9 (92 ref.) (Eng. Abstr.) **(Scr)**

[Meningococcal sepsis in our area. Study of the disease severity factors and therapeutic management over a 10-year period] Loscertales Abril M, et al. **An Esp Pediatr** 1991 May;34(5):349–54 (33 ref.) (Eng. Abstr.) **(Spa)**

[The heart in various connective tissue diseases] Baduí-Dergal E. **Gac Med Mex** 1990 May–Jun; 126(3):175–87; discussion 188–9 (71 ref.) (Eng. Abstr.) **(Spa)**

GENETICS

Familial occurrence in cardiovascular diseases. Cardiovascular involvement in genetic disorders (2). Sangiorgi M, et al. **Ann Ital Med Int** 1989 Apr–Jun; 4(2):105–10 (0 ref.)

Familial occurrence in cardiovascular diseases. Familial cardiovascular diseases (1). Sangiorgi M, et al. **Ann Ital Med Int** 1989 Jan–Mar;4(1):32–9 (0 ref.)

DNA based diagnostic tests: recombinant DNA and cardiovascular disease risk factors. Sidoli A, et al. **Br Med Bull** 1990 Oct;46(4):941–59 (40 ref.)

IMMUNOLOGY

[Immunology of cardiovascular diseases in children] Kolbas V. **Lijec Vjesn** 1990 Nov–Dec;112(11–12):404–7 (58 ref.) (Eng. Abstr.) **(Scr)**

METABOLISM

Thromboxane biosynthesis in cardiovascular diseases. Patrono C, et al. **Stroke** 1990 Dec;21(12 Suppl):IV130–3 (26 ref.)

[Cardiac diseases related to free radicals and active oxygen species. Pro-oxidation and anti-oxidation in cardiology (part 2)] Romero Alvira D, et al. **An Med Interna** 1991 Jun;8(6):300–9 (124 ref.) (Eng. Abstr.) **(Spa)**

MORTALITY

Selenium: geochemical distribution and associations with human heart and cancer death rates and longevity in China and the United States. Jackson ML. **Biol Trace Elem Res** 1988 Jan–Apr;15:13–21 (45 ref.)

Declining mortality from cardiovascular disease. Sytkowski PA. **Compr Ther** 1991 May;17(5):39–44 (35 ref.)

Changing pattern of cardiovascular disease in the Japanese population in relation to hypertension control programs. Omae T. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S81–2 (9 ref.)

[The prevention of sudden death: lights and shadows] Vincenzi M, et al. **G Ital Cardiol** 1991 Feb;21(2):203–12 (84 ref.) **(Ita)**

[An increase in cardiovascular mortality due to antihypertensive drugs. The need for a gradual and maintained effect] Velasco J, et al. **An Med Interna** 1989 Oct;6(10):557–8 (19 ref.) **(Spa)**

NURSING

Cardiovascular nursing research. Cowan MJ. **Annu Rev Nurs Res** 1990;8:3–33 (137 ref.)

PATHOLOGY

Degenerative, non-atherosclerotic cardiovascular disease in the elderly: a clinico-pathological survey. Thiene G, et al. **Aging (Milano)** 1990 Sep;2(3):231–44 (70 ref.)

Degenerative, non-atherosclerotic cardiovascular disease in the elderly: a clinico-pathological survey. Thiene G, et al. **Aging (Milano)** 1990;2(3 Suppl 1):231–44 (70 ref.)

Cardiovascular ochronosis: a case report and review of the medical literature. Kenny D, et al. **Cardiology** 1990; 77(6):477–83 (19 ref.)

PHYSIOPATHOLOGY

Cardiovascular function in hemodialysis patients. London GM, et al. **Adv Nephrol Necker Hosp** 1991;20:249–73 (78 ref.)

A symposium: triggering and circadian variation of onset of acute cardiovascular disease. Introduction. Muller JE, et al. **Am J Cardiol** 1990 Nov 6;66(16):1G–6G (22 ref.)

Serotonin and acute cardiovascular disorders. Reneman RS, et al. **Cardiovasc Drugs Ther** 1990 Jan;4 Suppl 1:19–25 (43 ref.)

Effects of cardiovascular disease on pharmacokinetics. Rodighiero V. **Cardiovasc Drugs Ther** 1989 Oct;3(5):711–30 (168 ref.)

Systolic time intervals. Boudoulas H. **Eur Heart J** 1990 Dec; 11 Suppl I:93–104 (62 ref.)

Doppler ultrasound in assessing systolic left ventricular function in cardiovascular patients. Salmasi AM, et al. **Int Angiol** 1990 Jan–Mar;9(1):29–37 (38 ref.)

Visceral fat accumulation: the missing link between psychosocial factors and cardiovascular disease? Björntorp P. **J Intern Med** 1991 Sep;230(3):195–201 (28 ref.)

[Cardiovascular aspects of magnesium] de Valk HW, et al. **Ned Tijdschr Geneeskd** 1990 Dec 15;134(50):2425–8 (28 ref.) **(Dut)**

[The role of atrial natriuretic factor in cardiovascular physiopathology] Costa R, et al. **Clin Ter** 1991 Apr 15; 137(1):49–59 (85 ref.) (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

The European Working Party on High Blood Pressure in the Elderly. Amery A, et al. **Am J Med** 1991 Mar; 90(3A):1S–4S (35 ref.)

Workshop I—Fifth Joint National Committee report: how should it differ from the 1988 report? Porush JG, et al. **Am J Med** 1991 Feb 21;90(2A):21S–23S (0 ref.)

National Education Programs Working Group report on the management of patients with hypertension and high blood cholesterol. **Ann Intern Med** 1991 Feb 1;114(3):224–37 (89 ref.)

Mechanism of the antithrombotic effects of fish oil. Goodnight SH. **Baillieres Clin Haematol** 1990 Jul; 3(3):601–23 (119 ref.)

Cardiovascular effects of omega-3 polyunsaturated fatty acids (fish oils). Mishkel GJ, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):625–49 (106 ref.)

Fish oil fatty acids and cardiovascular function: epidemiology and biochemical mechanisms. Weber PC. **Biochem Soc Trans** 1990 Dec;18(6):1045–9 (27 ref.)

Prevention of adult heart disease beginning in childhood: intervention programs. Lawrence M, et al. **Cardiovasc Clin** 1991;21(3):249–62 (46 ref.)

Risk reduction following regression of cardiac hypertrophy. Schmieder RE. **Clin Exp Hypertens [A]** 1990;12(5):903–16 (60 ref.)

Cardiovascular risk factors: multiple interventions in man. Schoenberger JA. **Clin Exp Hypertens [A]** 1990;12(5):931–8 (9 ref.)

Experimental intervention of hypertension and cardiovascular diseases. Yamori Y. **Clin Exp Hypertens [A]** 1990;12(5):939–52 (50 ref.)

Treatment of hypertension: is reduction of blood pressure enough? [see comments] Lopez LM. **Clin Pharm** 1990 Nov; 9(11):876–81 (48 ref.) Comment in: Clin Pharm 1991 May;10(5):333.

Treatment and prevention of cardiovascular disease by aspirin. Hennekens CH. **Drug Saf** 1991 May–Jun; 6(3):166–70 (15 ref.)

Sustained-release diltiazem and prevention of cardiovascular risk in hypertensive patients. Djian J. **J Cardiovasc Pharmacol** 1990;16 Suppl 1:S20–7 (30 ref.)

Future directions for randomized trials of cardiovascular disease prevention in hypertensive patients. MacMahon S, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S96–9 (16 ref.)

Prevention of cardiovascular disease: risks and benefits of aspirin. Buring JE, et al. **J Gen Intern Med** 1990 Sep–Oct; 5(5 Suppl):S54–7 (17 ref.)
Antiatherosclerotic and vasculoprotective effects of calcium antagonists: clinical implications. Ram CV. **J Hum Hypertens** 1990 Dec;4 Suppl 5:35–9 (17 ref.)
The legal implications of dietary fats: risks of cardiovascular disease and the duty of food manufacturers. Black DM, et al. **J Nutr** 1991 Apr;121(4):578–82 (13 ref.)
N-3 fatty acids in hypertension and cardiovascular disease. Bjerve KS, et al. **Scand J Clin Lab Invest Suppl** 1990; 202:78–81 (14 ref.)
[Physical exercise for prevention and therapy] Falkenbach A. **Med Monatsschr Pharm** 1990 Oct 10;13(10):303–12 (143 ref.) **(Ger)**

PSYCHOLOGY

Methodology of mental stress testing in cardiovascular research. Steptoe A, et al. **Circulation** 1991 Apr;83(4 Suppl):II14–24 (97 ref.)
Visceral fat accumulation: the missing link between psychosocial factors and cardiovascular disease? Björntorp P. **J Intern Med** 1991 Sep;230(3):195–201 (28 ref.)
Quality of life in cardiovascular disease. Mayou R. **Psychother Psychosom** 1990;54(2–3):99–109 (45 ref.)

REHABILITATION

The challenge of cardiac rehabilitation. Dafoe W. **Adv Clin Rehabil** 1990;3:97–115 (34 ref.)
Cardiac rehabilitation services: what are they and are they worth it? Oldridge NB. **Compr Ther** 1991 May;17(5):59–66 (22 ref.)

SURGERY

[Laser irradiation of blood in surgery] Gostishchev VK, et al. **Khirurgiia (Mosk)** 1991 Jan;(1):121–5 (98 ref.) **(Rus)**

THERAPY

[Nutritional, metabolic strategy in cardiocirculatory insufficiency] Simini G, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):491–2 (4 ref.) **(Ita)**

ULTRASONOGRAPHY

Duplex ultrasound in the assessment of vascular disease in clinical hypertension. Taylor DC. **Am J Hypertens** 1991 Jun;4(6):550–6 (26 ref.)

VETERINARY

Anesthetic complications in the horse. Klein L. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):665–92 (118 ref.)

CARDIOVASCULAR SYSTEM

Respiratory and cardiovascular monitoring. Hamilton-Farrell M. **Br J Hosp Med** 1990 Dec; 44(6):418–21 (6 ref.)

DRUG EFFECTS

Cardiovascular effects of nicardipine. Pepine CJ, et al. **Angiology** 1990 Nov;41(11 Pt 2):978–86 (36 ref.)
The cardiovascular effects of cocaine. Goldfrank LR, et al. **Ann Emerg Med** 1991 Feb;20(2):165–75 (143 ref.)
Cardiovascular effects of omega-3 polyunsaturated fatty acids (fish oils). Mishkel GJ, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):625–49 (106 ref.)
Role of vasopressin in cardiovascular and blood pressure regulation. Abboud FM, et al. **Blood Vessels** 1990; 27(2–5):106–15 (21 ref.)
Possible pharmacological actions of magnesium in acute myocardial infarction. Woods KL. **Br J Clin Pharmacol** 1991 Jul;32(1):3–10 (82 ref.)
Cocaine and the cardiovascular system. Das G. **Can J Cardiol** 1990 Nov;6(9):411–5 (36 ref.)
Cardiovascular effects of leukotrienes. Fauler J, et al. **Cardiovasc Drugs Ther** 1989 Aug;3(4):499–505 (43 ref.)
Pharmacologic features and physiologic effects of dopamine. Hosgood G. **J Am Vet Med Assoc** 1990 Nov 1; 197(9):1209–11 (25 ref.)
Drug receptors and control of the cardiovascular system: recent advances. Ruffolo RR Jr, et al. **Prog Drug Res** 1991; 36:117–360 (68 ref.)
Cardiovascular effects of omega 3 fatty acids. Atherosclerosis risk factor modification by omega 3 fatty acids. Weber PC, et al. **World Rev Nutr Diet** 1991;66:218–32 (57 ref.)
[The cardiovascular system and antidepressive drugs] Stazi C, et al. **Clin Ter** 1991 Apr 30;137(2):125–35 (29 ref.) (Eng. Abstr.) **(Ita)**
[The cardiovascular toxicity of interleukin-2: the pathogenic mechanisms and treatment] Lissoni P, et al. **G Ital Cardiol** 1990 Jul;20(7):631–5 (20 ref.) **(Ita)**
[Hygienic evaluation of the effect of coffee on the body (review of the literature)] Dmitriev MT, et al. **Gig Sanit** 1990 Nov;(11):44–6 (21 ref.) **(Rus)**

INJURIES

Cardiovascular reflexes from cardiac sensory receptors. Ludbrook J. **Aust N Z J Med** 1990 Aug;20(4):597–606 (82 ref.)

INNERVATION

Heart failure: role of cardiovascular reflexes. Shepherd JT. **Cardioscience** 1990 Mar;1(1):7–12 (27 ref.)
Cardiovascular neural regulation explored in the frequency domain. Malliani A, et al. **Circulation** 1991 Aug; 84(2):482–92 (107 ref.)
Cardiovascular autonomic dysfunction: diagnosis and prognosis. Broadstone VL, et al. **Diabetic Med** 1991;8 Spec No:S88–93 (19 ref.)
Central neural regulation of heart and blood vessels in mammals. Calaresu FR, et al. **Prog Neurobiol** 1975; 5(1):1–35 (216 ref.)

METABOLISM

Endothelins. Anggård EE, et al. **Blood Vessels** 1990; 27(2–5):269–81 (87 ref.)
Prostacyclin and vascular function: implications for hypertension and atherosclerosis. Dusting GJ, et al. **Pharmacol Ther** 1990;48(3):323–44 (259 ref.)

PATHOLOGY

Regression of cardiovascular structural changes--a preventive strategy. Dahlöf B. **Clin Exp Hypertens [A]** 1990;12(5):877–96 (73 ref.)

PHYSIOLOGY

Clinical correlates of the molecular and cellular actions of magnesium on the cardiovascular system. Reinhart RA. **Am Heart J** 1991 May;121(5):1513–21 (101 ref.)
Neuropeptide Y and central cardiovascular regulation. Focus on its role as a cotransmitter in cardiovascular adrenergic neurons. Fuxe K, et al. **Ann N Y Acad Sci** 1990;611:111–32 (66 ref.)
Modulation of noradrenaline release by activation of presynaptic beta-adrenoceptors in the cardiovascular system. Nedergaard OA, et al. **Ann N Y Acad Sci** 1990; 604:528–44 (84 ref.)
Neuropeptide tyrosine in the cardiovascular system. Wharton J, et al. **Ann N Y Acad Sci** 1990;611:133–44 (50 ref.)
Ontogeny of cardiovascular and respiratory physiology in lower vertebrates. Burggren WW, et al. **Annu Rev Physiol** 1991;53:107–35 (150 ref.)
The role of neuropeptides in cardiovascular regulation. Ganten D, et al. **Cardiovasc Drugs Ther** 1991 Feb; 5(1):119–30 (108 ref.)
Central serotonergic mechanisms in cardiovascular regulation. Minson J, et al. **Cardiovasc Drugs Ther** 1990 Jan;4 Suppl 1:27–32 (38 ref.)
Neuroendocrine mechanisms and cardiovascular homeostasis in the elderly. Phillips PA, et al. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1209–13 (44 ref.)
What do plasma and urinary measures of catecholamines tell us about human response to stressors? Dimsdale JE, et al. **Circulation** 1991 Apr;83(4 Suppl):II36–42 (47 ref.)
Cardiovascular responses as behavior. Engel BT, et al. **Circulation** 1991 Apr;83(4 Suppl):II9–13 (22 ref.)
Exercise standards. A statement for health professionals from the American Heart Association. Fletcher GF, et al. **Circulation** 1990 Dec;82(6):2286–322 (99 ref.)
Roles of P2-purinoceptors in the cardiovascular system. Ralevic V, et al. **Circulation** 1991 Jul;84(1):1–14 (167 ref.)
Methodology of mental stress testing in cardiovascular research. Steptoe A, et al. **Circulation** 1991 Apr;83(4 Suppl):II14–24 (97 ref.)
Respiratory variability and associated cardiovascular changes in adults at rest. van den Aardweg JG, et al. **Clin Physiol** 1991 Mar;11(2):95–118 (125 ref.)
The use of Doppler ultrasound in the study of fetal cardiovascular physiology. Hanretty KP, et al. **J Neurosci Methods** 1990 Sep;34(1–3):159–67 (26 ref.)
Exercise physiology and cardiovascular fitness. Braun LT. **Nurs Clin North Am** 1991 Mar;26(1):135–47 (35 ref.)
Cardiovascular response to stress. Herd JA. **Physiol Rev** 1991 Jan;71(1):305–30 (162 ref.)
Current status of acute high-G physiology. Burton RR. **Physiologist** 1991 Feb;34(1 Suppl):S11–4 (18 ref.)
Endpoints of chronobiologic cardiovascular monitoring during pregnancy for planning exercise and assessing effects. Crakes JG, et al. **Prog Clin Biol Res** 1990; 341A:605–14 (28 ref.)
Role of neurotransmitters in the central regulation of the cardiovascular system. McCall RB. **Prog Drug Res** 1990; 35:25–84 (285 ref.)
Health- and performance-related potential of resistance training. Stone MH, et al. **Sports Med** 1991 Apr; 11(4):210–31 (181 ref.)
The role of neuropeptide Y in cardiovascular regulation. Walker P, et al. **Trends Pharmacol Sci** 1991 Mar;12(3):111–5 (44 ref.)
Dietary omega 3 and omega 6 fatty acids and cardiovascular responses to pressor and depressor stimuli. Mills DE. **World Rev Nutr Diet** 1991;66:349–57 (29 ref.)
[Serotonin and cardiovascular control] Aurup P, et al. **Ugeskr Laeger** 1990 Sep 24;152(39):2840–3 (30 ref.) (Eng. Abstr.) **(Dan)**
[Regulation of blood circulation] Angyán L. **Orv Hetil** 1991 Apr 30;132(17):899–904 (29 ref.) (Eng. Abstr.) **(Hun)**
[Neuropeptide Y in the cardiovascular regulation] Zanin L, et al. **Cardiologia** 1990 Mar;35(3):199–201 (26 ref.) **(Ita)**
[Atrial natriuretic peptide in humans--its structure, metabolism and biological activity. Summary of the actual state of knowledge] Szurkowski M, et al. **Pol Tyg Lek** 1990 Nov 5–12;45(45–46):891–4 (43 ref.) **(Pol)**
[Various results of clinical-experimental studies of the human temperature analyzer] Likhtenshtein VA. **Fiziol Cheloveka** 1990 Sep–Oct;16(5):158–61 (21 ref.) **(Rus)**
[The reactions of the cardiorespiratory system to increased respiratory resistance] Breslav IS, et al. **Usp Fiziol Nauk** 1991 Apr–Jun;22(2):3–18 (115 ref.) **(Rus)**

PHYSIOPATHOLOGY

Ambulatory blood pressure and target organ involvement in hypertension. White WB. **Clin Invest Med** 1991 Jun; 14(3):224–30 (23 ref.)
Cardiovascular system in continuous ambulatory peritoneal dialysis. Giangrande A. **Contrib Nephrol** 1990;84:52–9 (42 ref.)
Heart failure: mechanisms of cardiac and vascular dysfunction and the rationale for pharmacologic intervention. Francis GS, et al. **FASEB J** 1990 Oct; 4(13):3068–75 (82 ref.)
Perspectives on cardiovascular fitness and SCI [published erratum appears in J Am Paraplegia Soc 1991 Jan;14(1):21] Figoni SF. **J Am Paraplegia Soc** 1990 Oct;13(4):63–71 (89 ref.)
Cardiac changes in uraemia and their possible relationship to cardiovascular instability on dialysis. Ritz E, et al. **Nephrol Dial Transplant** 1990;5 Suppl 1:93–7 (21 ref.)
Impact of high blood flows on vascular stability in haemodialysis. Ronco C, et al. **Nephrol Dial Transplant** 1990;5 Suppl 1:109–14 (15 ref.)
[The effect of earthquakes on the cardiovascular system] Chikovani SI. **Voen Med Zh** 1990 Oct;(10):20–2 (18 ref.) **(Rus)**
[The current focus on cardiovascular growth in arterial hypertension] Diez J. **Rev Clin Esp** 1990 Oct;187(6):292–7 (63 ref.) (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Cardiovascular sequelae of therapeutic thoracic radiation. Arsenian MA. **Prog Cardiovasc Dis** 1991 Mar–Apr; 33(5):299–311 (135 ref.)

SURGERY

Antimicrobial prophylaxis in cardiovascular surgery. Freeman R. **Scand J Infect Dis Suppl** 1990;70:80–6 (14 ref.)

ULTRASONOGRAPHY

[Circulatory monitoring in very low birth weight infants using Doppler sonography] Jorch G, et al. **Monatsschr Kinderheilkd** 1990 Aug;138(8):416–21 (41 ref.) (Eng. Abstr.) **(Ger)**

CARDIOVERSION see **ELECTRIC COUNTERSHOCK**

CAREER CHOICE

Becoming a high school coach: from playing sports to coaching. Sage GH. **Res Q Exerc Sport** 1989 Mar; 60(1):81–92 (60 ref.)

CARIOGENIC AGENTS

Food composition and food cariogenicity factors affecting the cariogenic potential of foods. Edmondson EM. **Caries Res** 1990;24 Suppl 1:60–71; discussion 72–9 (64 ref.)

CARIOSTATIC AGENTS

see related
FLUORIDATION

The effect of cheese on dental caries: a review of the literature. Herod EL. **Aust Dent J** 1991 Apr;36(2):120–5 (41 ref.)
Clinical effect and mechanism of cariostatic action of fluoride-containing toothpastes: a review. Rølla G, et al. **Int Dent J** 1991 Jun;41(3):171–4 (14 ref.)
Cariostatic mechanisms of fluoride. Miller MC. **N Y State Dent J** 1991 Feb;57(2):33–5 (20 ref.)
Perspectives on xylitol-induced oral effects. Söderling E, et al. **Proc Finn Dent Soc** 1991;87(2):217–29 (71 ref.)

CARNITINE

ADMINISTRATION & DOSAGE

Carnitine supplementation in the premature. Melegh B. **Biol Neonate** 1990;58 Suppl 1:93–106 (86 ref.)
Carnitine supplementation in soy-based formula-fed infants. Novak M. **Biol Neonate** 1990;58 Suppl 1:89–92 (25 ref.)

ANALOGS & DERIVATIVES

Metabolic effects of carnitine and carnitine analogs. Ohtsuka Y, et al. **Adv Exp Med Biol** 1990;272:159–74 (37 ref.)
Clinical use of carnitine. Past, present and future. Siliprandi N, et al. **Adv Exp Med Biol** 1990;272:175–81 (39 ref.)
Propionyl-L-carnitine: biochemical significance and possible role in cardiac metabolism. Siliprandi N, et al.

Cardiovasc Drugs Ther 1991 Feb;5 Suppl 1:11–5 (20 ref.)

BLOOD

[Changes in carnitine metabolism. A case report about probable partial deficiency of muscle carnitine palmitoyltransferase] De Prà M, et al. **Pediatr Med Chir** 1990 Jul–Aug;12(4):397–403 (34 ref.) (Eng. Abstr.) **(Ita)**

DEFICIENCY

Carnitine, valproate, and toxicity [see comments] Coulter DL. **J Child Neurol** 1991 Jan;6(1):7–14 (55 ref.) Comment in: J Child Neurol 1991 Jan;6(1):3–6.

Impaired skin fibroblast carnitine uptake in primary systemic carnitine deficiency manifested by childhood carnitine-responsive cardiomyopathy. Tein I, et al. **Pediatr Res** 1990 Sep;28(3):247–55 (33 ref.)

[Pathogenesis and pathophysiology of carnitine deficiency, a predictable risk] Rodrigues Pereira R, et al. **Tijdschr Kindergeneeskd** 1990 Oct;58(5):145–51 (25 ref.) (Eng. Abstr.) **(Dut)**

METABOLISM

New roles of carnitine metabolism in ammonia cytotoxicity. O'Connor JE, et al. **Adv Exp Med Biol** 1990;272:183–95 (36 ref.)

Is carnitine essential in children? Giovannini M, et al. **J Int Med Res** 1991 Mar–Apr;19(2):88–102 (62 ref.)

Carnitine and infant formulas. Firmansyah A. **Paediatr Indones** 1990 May–Jun;30(5–6):172–8 (22 ref.)

PHARMACOLOGY

Metabolic effects of carnitine and carnitine analogs. Ohtsuka Y, et al. **Adv Exp Med Biol** 1990;272:159–74 (37 ref.)

PHYSIOLOGY

Carnitine and total parenteral nutrition of the neonate. Schmidt-Sommerfeld E, et al. **Biol Neonate** 1990;58 Suppl 1:81–8 (32 ref.)

Carnitine and coenzyme Q10: biochemical properties and functions, synergism and complementary action. Bertelli A, et al. **Int J Tissue React** 1990;12(3):183–6 (10 ref.)

[Carnitine in human physiology and pathology] Rożkiewicz M, et al. **Pol Tyg Lek** 1990 Dec 17–31;45(51–52):1067–70 (40 ref.) **(Pol)**

THERAPEUTIC USE

Clinical use of carnitine. Past, present and future. Siliprandi N, et al. **Adv Exp Med Biol** 1990;272:175–81 (39 ref.)

The therapeutic potential of carnitine in cardiovascular disorders. Pepine CJ. **Clin Ther** 1991 Jan–Feb;13(1):2–21; discussion 1 (53 ref.)

CARNITINE PALMITOYLTRANSFERASE

DEFICIENCY

[Changes in carnitine metabolism. A case report about probable partial deficiency of muscle carnitine palmitoyltransferase] De Prà M, et al. **Pediatr Med Chir** 1990 Jul–Aug;12(4):397–403 (34 ref.) (Eng. Abstr.) **(Ita)**

METABOLISM

New insights into the mitochondrial carnitine palmitoyltransferase enzyme system. McGarry JD, et al. **Biochimie** 1991 Jan;73(1):77–84 (24 ref.)

CARNIVORA

Rabies. Fishbein DB. **Infect Dis Clin North Am** 1991 Mar; 5(1):53–71 (50 ref.)

[The neuropathology of martens] Geisel O, et al. **Tierarztl Prax** 1991 Jun;19(3):320–3 (16 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

[Individual differences in the vitamin A metabolism of the order Carnivora—a review] Schweigert FJ, et al. **Berl Munch Tierarztl Wochenschr** 1991 Mar 1;104(3):89–90; 95–8 (46 ref.) (Eng. Abstr.) **(Ger)**

CAROTENE

ADMINISTRATION & DOSAGE

Premalignant lesions: role of antioxidant vitamins and beta-carotene in risk reduction and prevention of malignant transformation. Singh VN, et al. **Am J Clin Nutr** 1991 Jan; 53(1 Suppl):386S–390S (57 ref.)

Beta-carotene and cancer prevention: what is the evidence? Mayne ST. **Conn Med** 1990 Oct;54(10):547–51 (75 ref.)

ANALOGS & DERIVATIVES

Cancer chemoprevention by supplemental carotenoids and synergism with retinol in mastodynia treatment. Santamaria LA, et al. **Med Oncol Tumor Pharmacother** 1990; 7(2–3):153–67 (48 ref.)

BLOOD

Assessment of the roles of vitamin C, vitamin E, and beta-carotene in the modulation of oxidant stress mediated by cigarette smoke-activated phagocytes. Anderson R. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):358S–361S (39 ref.)

Vegetables, fruits, and carotenoids and the risk of cancer. Ziegler RG. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):251S–259S (46 ref.)

THERAPEUTIC USE

Potential role of beta-carotene in prevention of oral cancer. Garewal HS. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):294S–297S (33 ref.)

Studies evaluating antioxidants and beta-carotene as chemopreventives. Malone WF. **Am J Clin Nutr** 1991 Jan; 53(1 Suppl):305S–313S (21 ref.)

Remission of precancerous lesions in the oral cavity of tobacco chewers and maintenance of the protective effect of beta-carotene or vitamin A. Stich HF, et al. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):298S–304S (45 ref.)

Cancer chemoprevention by supplemental carotenoids and synergism with retinol in mastodynia treatment. Santamaria LA, et al. **Med Oncol Tumor Pharmacother** 1990; 7(2–3):153–67 (48 ref.)

CAROTENOIDS

ADMINISTRATION & DOSAGE

Vegetables, fruits, and carotenoids and the risk of cancer. Ziegler RG. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):251S–259S (46 ref.)

BIOSYNTHESIS

The biosynthesis of triterpenoids, steroids, and carotenoids. Harrison DM. **Nat Prod Rep** 1990 Dec;7(6):459–84 (235 ref.)

CHEMISTRY

The architecture of invertebrate carotenoproteins. Zagalsky PF, et al. **Comp Biochem Physiol [B]** 1990;97(1):1–18 (119 ref.)

METABOLISM

Antioxidant defense systems: the role of carotenoids, tocopherols, and thiols. Di Mascio P, et al. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):194S–200S (52 ref.)

PHARMACOLOGY

Effects of carotenoids in cellular and animal systems. Krinsky NI. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):238S–246S (64 ref.)

PHYSIOLOGY

Carotenoid functions in photoprotection and cancer prevention. Mathews-Roth MM. **J Environ Pathol Toxicol Oncol** 1990 Jul–Oct; 10(4–5):181–92 (76 ref.)

THERAPEUTIC USE

Antioxidant micronutrients in cancer prevention. Dorgan JF, et al. **Hematol Oncol Clin North Am** 1991 Feb;5(1):43–68 (209 ref.)

Chemoprevention of cancer. Garewal HS, et al. **Hematol Oncol Clin North Am** 1991 Feb;5(1):69–77 (22 ref.)

Protective role of butylated hydroxytoluene and certain carotenoids in photocarcinogenesis. Black HS, et al. **Photochem Photobiol** 1991 May;53(5):707–16 (71 ref.)

CAROTID ARTERIES

ANATOMY & HISTOLOGY

Deep perforators from the carotid system. Template of the vascular territories. Ghika JA, et al. **Arch Neurol** 1990 Oct; 47(10):1097–100 (98 ref.)

The carotid space of the infrahyoid neck. Fruin ME, et al. **Semin Ultrasound CT MR** 1991 Jun;12(3):224–40 (23 ref.)

INJURIES

Carotid and vertebral artery injury in survivors of atlanto-occipital dislocation: case reports and literature review. Lee C, et al. **J Trauma** 1991 Mar;31(3):401–7 (35 ref.)

PATHOLOGY

Magnetic resonance angiography of epiaortic vessels. Carriero A, et al. **Rays** 1990 Apr–Jun;15(2):269–79 (17 ref.) **(Eng, Ita)**

Magnetic resonance angiography of the carotid bifurcation. Ross JS, et al. **Top Magn Reson Imaging** 1991 Jun; 3(3):12–22 (57 ref.)

SURGERY

Perioperative stroke. Part I: General surgery, carotid artery disease, and carotid endarterectomy. Wong DH. **Can J Anaesth** 1991 Apr;38(3):347–73 (351 ref.)

Carotid endarterectomy: current status. Gelabert HA, et al. **Curr Probl Surg** 1991 Mar;28(3):181–262 (223 ref.)

Carotid endarterectomy for asymptomatic carotid stenosis: an update. Thompson JE. **J Vasc Surg** 1991 May; 13(5):669–76 (45 ref.)

[Carotid endarterectomy. Surgical complications and long-term prognosis] Iversen T, et al. **Tidsskr Nor Laegeforen** 1991 Aug 10;111(18):2253–5 (24 ref.) (Eng. Abstr.) **(Nor)**

ULTRASONOGRAPHY

Non-invasive evaluation of iliac and carotid atherosclerosis in familial hypercholesterolemia. Rubba P, et al. **Beitr Infusionther** 1988;23:33–8 (19 ref.)

Carotid sonography. Carroll BA. **Radiology** 1991 Feb; 178(2):303–13 (96 ref.)

CAROTID ARTERY DISEASES

COMPLICATIONS

The ocular ischemic syndrome. Dhooge M, et al. **Bull Soc Belge Ophtalmol** 1989;231:1–13 (26 ref.)

Ophthalmologic manifestations of carotid occlusive disease. Dugan JD Jr, et al. **Eye** 1991;5 (Pt 2):226–38 (77 ref.)

Atherosclerotic carotid disease and the eye. Breen LA. **Neurol Clin** 1991 Feb;9(1):131–45 (77 ref.)

Carotid and coronary atherosclerosis. What are the connections? Crouse JR 3d. **Postgrad Med** 1991 Sep 1; 90(3):175–9 (25 ref.)

[Spontaneous dissection of the internal carotid artery with 12th nerve palsy. Radiologic and clinical aspects] Bradac GB, et al. **J Radiol** 1990 Jun–Jul;71(6–7):451–3 (8 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Diagnostic imaging in the diagnosis of malignant invasion of the carotid artery: ultrasound, computed tomography, magnetic resonance imaging. Gooding GA. **Cancer Treat Res** 1990;52:31–46 (28 ref.)

Asymptomatic carotid artery disease in the elderly. Diagnosis and management strategies. Lefkowitz D. **Clin Geriatr Med** 1991 Aug;7(3):417–28 (71 ref.)

Reducing the risk of stroke: identifying patients to refer for carotid endarterectomy. Gelabert HA, et al. **Geriatrics** 1991 Sep;46(9):22–6 (24 ref.)

Mycotic aneurysms of the carotid arteries—case report and review of the literature. Jebara VA, et al. **J Vasc Surg** 1991 Aug;14(2):215–9 (30 ref.)

[Dissections of the internal carotid artery—new diagnostic and pathogenetic aspects] Müllges W, et al. **Fortschr Neurol Psychiatr** 1991 Jan;59(1):12–24 (78 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Major vascular complications of orthognathic surgery: false aneurysms and arteriovenous fistulas following orthognathic surgery. Lanigan DT, et al. **J Oral Maxillofac Surg** 1991 Jun;49(6):571–7 (35 ref.)

GENETICS

Familial occurrence of carotid body tumors. Shedd DP, et al. **Head Neck** 1990 Nov–Dec;12(6):496–9 (33 ref.)

PHYSIOPATHOLOGY

Cerebral hemodynamics in ischemic cerebrovascular disease. Powers WJ. **Ann Neurol** 1991 Mar;29(3):231–40 (63 ref.)

RADIOGRAPHY

Fibromuscular dysplasia of common carotid artery. A case report. Phadke RV, et al. **Australas Radiol** 1990 Nov; 34(4):350–2 (18 ref.)

Angiography of the intracranial vessels. Colosimo C, et al. **Rays** 1990 Apr–Jun;15(2):243–67 (41 ref.) **(Eng, Ita)**

SURGERY

Perioperative stroke. Part I: General surgery, carotid artery disease, and carotid endarterectomy. Wong DH. **Can J Anaesth** 1991 Apr;38(3):347–73 (351 ref.)

Optimum results of the surgical treatment of carotid territory ischemia. Callow AD, et al. **Circulation** 1991 Feb;83(2 Suppl):I190–5 (48 ref.)

Carotid endarterectomy. Handelsman H. **Health Technol Assess Rep** 1990;(5):1–15 (130 ref.)

Carotid endarterectomy for asymptomatic carotid stenosis: an update. Thompson JE. **J Vasc Surg** 1991 May; 13(5):669–76 (45 ref.)

Outcome in vascular surgery. Takolander R. **Qual Assur Health Care** 1990;2(3–4):279–95 (173 ref.)

[Simultaneous coronary and carotid surgery: apropos of 73 cases] Van Damme H, et al. **Acta Chir Belg** 1990 Jul–Aug; 90(4):185–96 (82 ref.) (Eng. Abstr.) **(Fre)**

[Carotid surgery is beneficial] Takolander R. **Lakartidningen** 1991 Jun 12;88(24):2220–3 (23 ref.) **(Swe)**

[Carotid surgery is justified in symptomatic severe stenosis] Wahlgren NG. **Lakartidningen** 1991 Jun 12;88(24):2203, 2206 (5 ref.) **(Swe)**

THERAPY

Interventional neuroradiology. Jacobs JM. **Curr Opin Radiol** 1991 Feb;3(1):37–45 (29 ref.)
Angioplasty of carotid arteries. Belloni G. **Rays** 1990 Apr–Jun;15(2):281–99 (24 ref.) **(Eng, Ita)**
[Intravascular technics of cerebral revascularization] Théron J, et al. **J Mal Vasc** 1990;15(3):245–56 (37 ref.) (Eng. Abstr.) **(Fre)**

CAROTID ARTERY, EXTERNAL

ABNORMALITIES

Arteriovenous malformation of the tongue. Saydjari R, et al. **South Med J** 1990 Nov;83(11):1335–7 (12 ref.)

CAROTID ARTERY, INTERNAL

Multiple congenital aneurysms of unknown origin. De Letter JA, et al. **Eur J Vasc Surg** 1991 Jun;5(3):349–54 (15 ref.)
Peripheral vascular gunshot bullet embolus migration to the cerebral circulation. Report and literature review. Dadsetan MR, et al. **Neuroradiology** 1990;32(6):516–9 (17 ref.)

ABNORMALITIES

[Three cases of carotid anterior cerebral anastomosis] Ban S, et al. **No Shinkei Geka** 1990 Nov;18(11):1071–7 (17 ref.) (Eng. Abstr.) **(Jpn)**

INNERVATION

Activation of pain fibers to the internal carotid artery intracranially may cause the pain and local signs of reduced sympathetic and enhanced parasympathetic activity in cluster headache. Hardebo JE. **Headache** 1991 May; 31(5):314–20 (48 ref.)

RADIOGRAPHY

Spontaneous carotid–cavernous fistulae in Ehlers–Danlos syndrome Type IV. Case report. Schievink WI, et al. **J Neurosurg** 1991 Jun;74(6):991–8 (53 ref.)

SURGERY

Accessory nerve injury after carotid endarterectomy. Case report. Persson NH, et al. **Eur J Surg** 1991 Mar; 157(3):221–2 (19 ref.)
[Successful intraoperative angioplasty in bilateral fibromuscular dysplasia of the internal carotid arteries] Horváth T, et al. **Orv Hetil** 1991 Aug 18;132(33):1819–22 (27 ref.) (Eng. Abstr.) **(Hun)**

CAROTID ARTERY THROMBOSIS

Aspirin and platelets in relation to cerebrovascular disease. Born GV. **Stroke** 1990 Dec;21(12 Suppl):IV29–31 (31 ref.)

ETIOLOGY

Internal carotid artery thrombosis following penetrating trauma of the soft palate: an injury of youth. Higgins GL 3d, et al. **J Fam Pract** 1991 Mar;32(3):316, 319–22 (43 ref.)

CAROTID BODY

PATHOLOGY

The carotid bodies in chronic respiratory disease [comment] Heath D. **Histopathology** 1991 Mar;18(3):281–3 (23 ref.) Comment on: Histopathology 1991 Mar;18(3):195–200.
The human carotid body in health and disease. Heath D. **J Pathol** 1991 May;164(1):1–8 (53 ref.)

PHYSIOLOGY

Correlative contribution of carotid and aortic afferences to the ventilatory chemosensory drive in steady-state normoxia and to the ventilatory chemoreflexes induced by transient hypoxia. Eugenin J, et al. **Arch Biol Med Exp (Santiago)** 1989 Dec;22(4):395–408 (35 ref.)

CAROTID BODY TUMOR

Multiple spinal metastases from paraganglioma. North CA, et al. **Cancer** 1990 Nov 15;66(10):2224–8 (37 ref.)

COMPLICATIONS

[Retrocardiac pheochromocytoma associated with a double carotid site. Diagnostic and therapeutic discussion] Peiffert B, et al. **Ann Chir** 1990;44(8):611–4 (24 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Familial occurrence of carotid body tumors. Shedd DP, et al. **Head Neck** 1990 Nov–Dec;12(6):496–9 (33 ref.)

RADIOGRAPHY

[Chemodectomas of the carotid body. Apropos 2 cases] Estéfano JJ, et al. **Acta Otorrinolaringol Esp** 1991 May–Jun; 42(3):216–20 (26 ref.) (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

Radioimmunodetection of chemodectoma by In-111 labeled anti-CEA antibody. Case report and review of the literature. Kairemo KJ, et al. **Clin Nucl Med** 1990 Dec; 15(12):900–3 (29 ref.)

CAROTID SINUS

see related

PRESSORECEPTORS

[Carotid sinus syndrome (review of the foreign literature)] Martianaov SG. **Klin Med (Mosk)** 1990 Nov;68(11):6–8 (15 ref.) **(Rus)**

PHYSIOPATHOLOGY

[Implanting an atrial pacemaker] Székely A, et al. **Orv Hetil** 1990 Dec 30;131(52):2855–9 (38 ref.) (Eng. Abstr.) **(Hun)**

CARP

PHYSIOLOGY

Temperature acclimatization of the carp. Cellular and molecular aspects of the compensatory response. Krauskopf M, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun; 21(1):151–7 (31 ref.)

CARPAL BONES

INJURIES

Musculoskeletal trauma: management and complications. Harris JH Jr. **Curr Opin Radiol** 1990 Oct;2(5):669–77 (22 ref.)

RADIOGRAPHY

[Radiographic views in hand surgery] Bourjat P, et al. **Ann Radiol (Paris)** 1990;33(2):134–44 (31 ref.) (Eng. Abstr.) **(Fre)**
[Carpal instability and secondary degenerative changes in lesions of the radio-carpal ligaments with various etiology] Stäbler A, et al. **Handchir Mikrochir Plast Chir** 1990 Nov; 22(6):289–95 (29 ref.) (Eng. Abstr.) **(Ger)**

CARPAL TUNNEL SYNDROME

[Carpal tunnel syndrome] Fernández-Domínguez L, et al. **Rev Invest Clin** 1990 Apr–Jun;42(2):145–9 (58 ref.) **(Spa)**

COMPLICATIONS

The role of thoracic outlet syndrome in the double crush syndrome. Narakas AO. **Ann Chir Main Memb Super** 1990; 9(5):331–40 (57 ref.)

ETIOLOGY

Acute carpal tunnel syndrome in haemophiliacs. Molitor PJ, et al. **Br J Clin Pract** 1990 Dec;44(12):675–6 (11 ref.)
[Compression of the median nerve in the carpal tunnel due to an intra-canal palmar muscle] Schuhl JF. **Ann Chir Main Memb Super** 1991;10(2):171–3; discussion 174 (7 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Complications associated with carpal tunnel release. Kuschner SH, et al. **Orthop Rev** 1991 Apr;20(4):346–52 (41 ref.)

ULTRASONOGRAPHY

[Sonography of the wrist and the hand] Milbradt H, et al. **Radiologe** 1990 Aug;30(8):360–5 (11 ref.) (Eng. Abstr.) **(Ger)**

CARRAGEENAN

TOXICITY

Toxicological properties of carrageenan. Weiner ML. **Agents Actions** 1991 Jan;32(1–2):46–51 (35 ref.)

CARRIER PROTEINS

Biochemical characterization of insulin-like growth factor binding proteins. Baxter RC. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:33–40 (40 ref.)
Insulin-like growth factor binding proteins (IGFBPs) with special reference to IGFBP-3. Blum WF, et al. **Acta Paediatr Scand Suppl** 1990;367:55–62 (63 ref.)
Phospholipid transfer proteins. Wirtz KW. **Annu Rev Biochem** 1991;60:73–99 (190 ref.)
Lipid transfer proteins. Rueckert DG, et al. **Chem Phys Lipids** 1990 Nov;56(1):1–20 (225 ref.)
Cell-type-specific splicing factors and the regulation of alternative RNA splicing. Latchman DS. **New Biol** 1990 Apr;2(4):297–303 (36 ref.)
Insulinlike growth factor-binding proteins. Rosenfeld RG, et al. **Recent Prog Horm Res** 1990;46:99–159; discussion 159–63 (184 ref.)
Growth hormone receptor and binding protein. Spencer SA, et al. **Recent Prog Horm Res** 1990;46:165–81; discussion 181–3 (39 ref.)
Properties of the renal Na(+)-HCO3- cotransporter. Aronson PS, et al. **Semin Nephrol** 1991 Jan;11(1):28–36 (17 ref.)

ANALYSIS

Separation and quantitation of cholesterol "carriers" in bile. Donovan JM, et al. **Hepatology** 1990 Sep;12(3 Pt 2):94S–104S; discussion 104S–105S (39 ref.)

BLOOD

Clinical aspects of insulin-like growth factor binding proteins. Cohen P, et al. **Acta Endocrinol (Copenh)** 1991; 124 Suppl 2:74–85 (72 ref.)
Clinical aspects of GH binding proteins. Daughaday WH, et al. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:27–32 (24 ref.)
Regulation of the growth hormone binding proteins in human plasma. Fontoura M, et al. **Acta Endocrinol (Copenh)** 1991; 124 Suppl 2:10–3 (21 ref.)
IGFBP-1. Production and control mechanisms. Hall K, et al. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:48–54 (45 ref.)
Assays for IGF binding proteins. Rutanen EM, et al. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:70–3 (24 ref.)
Growth hormone binding proteins in plasma--an update. Baumann G. **Acta Paediatr Scand Suppl** 1990;367:142–7 (52 ref.)
Is the erythrocyte sodium-lithium countertransport a molecular marker of cardiac risk in hypertension? Diez J, et al. **Cardioscience** 1991 Jun;2(2):87–92 (58 ref.)
Red cell volume-related ion transport systems in hemoglobinopathies. Canessa M. **Hematol Oncol Clin North Am** 1991 Jun;5(3):495–516 (93 ref.)

CHEMISTRY

Structural homology in ligand-specific transport proteins. North AC. **Biochem Soc Symp** 1990;57:35–48 (23 ref.)
Uniporters and anion antiporters. Baldwin SA. **Curr Opin Cell Biol** 1990 Aug;2(4):714–21 (31 ref.)
Crystal structure of chicken liver basic fatty acid-binding protein at 2.7 A resolution. Scapin G, et al. **Mol Cell Biochem** 1990 Oct 15–Nov 8;98(1–2):95–9 (21 ref.)
Characteristics of fatty acid-binding proteins and their relation to mammary-derived growth inhibitor. Spener F, et al. **Mol Cell Biochem** 1990 Oct 15–Nov 8;98(1–2):57–68 (38 ref.)
Molecular analysis of the beta-chain of human C4b-binding protein. Hillarp A. **Scand J Clin Lab Invest Suppl** 1991; 204:57–69 (40 ref.)
The plastid chaperonin. Hemmingsen SM. **Semin Cell Biol** 1990 Feb;1(1):47–54 (41 ref.)
Glycolipid transfer protein in animal cells. Sasaki T, et al. **Subcell Biochem** 1990;16:113–27 (53 ref.)
Application of fluorescent phospholipid analogues to studies on phospholipid transfer proteins. Somerharju PJ, et al. **Subcell Biochem** 1990;16:21–43 (69 ref.)

CLASSIFICATION

Nomenclature of fatty acid-binding proteins. Glatz JF, et al. **Mol Cell Biochem** 1990 Oct 15–Nov 8;98(1–2):231–5 (22 ref.)

DIAGNOSTIC USE

Phospholipid transfer proteins as probes of membrane structure and function. Crain RC. **Subcell Biochem** 1990; 16:45–67 (129 ref.)

GENETICS

Lipoprotein transport gene abnormalities underlying coronary heart disease susceptibility. Breslow JL. **Annu Rev Med** 1991;42:357–71 (94 ref.)
Regulation of nuclear genes encoding chloroplast proteins in transgenic plants. Fluhr R. **Dev Genet** 1990;11(3):197–204 (53 ref.)
Molecular biology of the anion exchanger gene family. Kopito RR. **Int Rev Cytol** 1990;123:177–99 (67 ref.)
Proton-linked sugar transport systems in bacteria. Henderson PJ. **J Bioenerg Biomembr** 1990 Aug;22(4):525–69 (236 ref.)
Hepatitis B virus as an insertional mutagene in a human hepatocellular carcinoma. Dejean A, et al. **Mol Biol Med** 1990 Jun;7(3):213–22 (35 ref.)
Fatty acid-binding protein expression in the liver: its regulation and relationship to the zonation of fatty acid metabolism. Bass NM. **Mol Cell Biochem** 1990 Oct 15–Nov 8;98(1–2):167–76 (40 ref.)
Historic overview of studies on fatty acid-binding proteins. Ockner RK. **Mol Cell Biochem** 1990 Oct 15–Nov 8; 98(1–2):3–9 (32 ref.)
Expression of a retinoic acid-receptor gene is regulated by retinoic acid itself. **Nutr Rev** 1990 Sep;48(9):355–7 (9 ref.)
Evolution of permease diversity and energy-coupling mechanisms: an introduction. Saier MH Jr. **Res Microbiol** 1990 Mar–Apr;141(3):281–6 (8 ref.)

ISOLATION & PURIFICATION

Approaches to the purification of the 5-hydroxytryptamine reuptake system from human blood platelets. Biessen EA,

et al. **Biochem Soc Trans** 1991 Feb;19(1):103–11 (48 ref.)
Na(+)–Ca2+ exchanger: the elusive protein. Rahamimoff H. **Curr Top Cell Regul** 1990;31:241–71 (105 ref.)
[Purification and reconstitution of membrane carrier proteins] Szewczyk A, et al. **Postepy Biochem** 1989;35(4):469–92 (180 ref.) **(Pol)**

METABOLISM

Growth hormone binding proteins: biochemical characterization and assays. Baumann G. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:21–6 (38 ref.)
New insights into cGMP action. Corbin JD, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:411–8 (24 ref.)
Insulin-like growth factors and their binding proteins: review of functions and clinical applications. Yeoh SI. **Ann Acad Med Singapore** 1990 Jul;19(4):497–500 (28 ref.)
The insulin-like growth factor binding proteins--the endometrium and decidua. Bell SC. **Ann N Y Acad Sci** 1991;622:120–37 (78 ref.)
Insulin-like growth factor-II (IGF-II) and IGF binding proteins in human endometrium. Giudice LC, et al. **Ann N Y Acad Sci** 1991;626:295–307 (56 ref.)
Insulin-like growth factor-binding protein-1 (IGFBP-1) in the human ovary. Suikkari AM, et al. **Ann N Y Acad Sci** 1991;626:184–8 (33 ref.)
Substrate and inhibitor binding and translocation by the platelet plasma membrane serotonin transporter. Humphreys CJ, et al. **Biochem Soc Trans** 1991 Feb; 19(1):95–8 (14 ref.)
Probing the platelet plasma-membrane 5-hydroxytryptamine transporter. Williams DC, et al. **Biochem Soc Trans** 1991 Feb;19(1):112–4 (14 ref.)
Lipid transport function of lipoproteins in flying insects. Van der Horst DJ. **Biochim Biophys Acta** 1990 Dec 4; 1047(3):195–211 (144 ref.)
Structural and functional features of different types of cytoplasmic fatty acid-binding proteins. Veerkamp JH, et al. **Biochim Biophys Acta** 1991 Jan 4;1081(1):1–24 (315 ref.)
Control of the transmembrane phospholipid distribution in eukaryotic cells by aminophospholipid translocase. Devaux PF, et al. **Biotechnol Appl Biochem** 1990 Oct;12(5):517–22 (18 ref.)
Membrane topology, structure, and functions of the penicillin-interactive proteins. Ghuysen JM. **Biotechnol Appl Biochem** 1990 Oct;12(5):468–72 (36 ref.)
Retinobenzoic acids and nuclear retinoic acid receptors. Hashimoto Y. **Cell Struct Funct** 1991 Apr;16(2):113–23 (30 ref.)
Peptidyl-prolyl cis-trans isomerases, cyclophilin, FK506-binding protein, and ninaA: four of a kind. Stamnes MA, et al. **Curr Opin Cell Biol** 1990 Dec;2(6):1104–7 (13 ref.)
Hyaluronan and its binding proteins, the hyaladherins. Toole BP. **Curr Opin Cell Biol** 1990 Oct;2(5):839–44 (27 ref.)
Current views on chloroplast protein import and hypotheses on the origin of the transport mechanism. Archer EK, et al. **J Bioenerg Biomembr** 1990 Dec;22(6):789–810 (89 ref.)
On the translocation of proteins across the chloroplast envelope. Flügge UI. **J Bioenerg Biomembr** 1990 Dec; 22(6):769–87 (73 ref.)
Binding protein-dependent transport systems. Higgins CF, et al. **J Bioenerg Biomembr** 1990 Aug;22(4):571–92 (137 ref.)
Penicillin-resistant pneumococci. Allen KD. **J Hosp Infect** 1991 Jan;17(1):3–13 (61 ref.)
Dynamics of insect lipophorin metabolism. Ryan RO. **J Lipid Res** 1990 Oct;31(10):1725–39 (108 ref.)
RNA-binding phosphoproteins and the regulation of maternal mRNA in Xenopus. Sommerville J. **J Reprod Fertil Suppl** 1990;42:225–33 (46 ref.)
A new model of macrophage stimulation by bacterial lipopolysaccharide. Ulevitch RJ, et al. **J Trauma** 1990 Dec; 30(12 Suppl):S189–92 (25 ref.)
Chronic adaptations in proximal tubular H/HCO3 transporters. Alpern RJ, et al. **Kidney Int Suppl** 1991 Jul; 33:S29–32 (39 ref.)
Role of Ca2+/H+ antiporter in the kidney. Tsukamoto Y, et al. **Kidney Int Suppl** 1991 Jul;33:S90–4 (36 ref.)
Penicillin-binding proteins and peptidoglycan peptide-interacting proteins. Rodríguez-Tébar A, et al. **Microbiol Sci** 1984 Dec;1(9):211–4 (16 ref.)
Cellular fatty acid-binding proteins: current concepts and future directions. Glatz JF, et al. **Mol Cell Biochem** 1990 Oct 15–Nov 8;98(1–2):237–51 (124 ref.)
Acyl-CoA-binding protein (ACBP) and its relation to fatty acid-binding protein (FABP): an overview. Knudsen J. **Mol Cell Biochem** 1990 Oct 15–Nov 8;98(1–2):217–23 (35 ref.)
Detection, tissue distribution and (sub)cellular localization of fatty acid-binding protein types. Veerkamp JH, et al. **Mol Cell Biochem** 1990 Oct 15–Nov 8;98(1–2):11–8 (34 ref.)
Structure and function of haemolysin B,P-glycoprotein and other members of a novel family of membrane translocators. Blight MA, et al. **Mol Microbiol** 1990 Jun; 4(6):873–80 (54 ref.)
Binding proteins for the insulin-like growth factors: structure, regulation and function. Baxter RC, et al. **Prog Growth Factor Res** 1989;1(1):49–68 (112 ref.)
Nuclear RNA-binding proteins. Keene JD, et al. **Prog Nucleic Acid Res Mol Biol** 1991;41:179–202 (100 ref.)
Binding of some antidepressants to the 5-hydroxytryptamine transporter in brain and platelets. Marcusson JO, et al. **Psychopharmacology (Berl)** 1990;102(2):145–55 (132 ref.)
The role of ATP in binding-protein-dependent transport systems. Higgins CF. **Res Microbiol** 1990 Mar–Apr; 141(3):353–60 (46 ref.)
A consensus structure for membrane transport. Maloney PC. **Res Microbiol** 1990 Mar–Apr;141(3):374–83 (68 ref.)
Transport and assembly processes in the endoplasmic reticulum. Gething MJ, et al. **Semin Cell Biol** 1990 Feb; 1(1):65–72 (90 ref.)
Role of cytosolic factors in the transport of proteins across membranes. Wiech H, et al. **Semin Cell Biol** 1990 Feb; 1(1):55–63 (80 ref.)
Intracellular fatty-acid-binding proteins. Characteristics and function. Paulussen RJ, et al. **Subcell Biochem** 1990; 16:175–226 (237 ref.)

PHYSIOLOGY

Molecular forms of human IGF binding proteins: physiological implications. Binoux M, et al. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:41–7 (35 ref.)
Does the serum binding protein for growth hormone have a functional role? Herington AC, et al. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:14–20 (48 ref.)
The physiological role of IGFBP-1. Holly JM. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:55–62 (40 ref.)
Paracrine actions of IGF binding proteins. Minuto F, et al. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:63–9 (34 ref.)
Regression of atheroma and putative role of CETP in cholesteryl ester removal. Stein Y, et al. **Adv Exp Med Biol** 1991;285:117–22 (12 ref.)
Erythrocyte membrane protein deficiencies in paroxysmal nocturnal hemoglobinuria. Schultz DR. **Am J Med** 1989 Sep;87(3N):22N–29N (94 ref.)
Nutritional regulation of IGF-I and IGF binding proteins. Clemmons DR, et al. **Annu Rev Nutr** 1991;11:393–412 (83 ref.)
The interaction between complement component C4b-binding protein and the vitamin K-dependent protein S forms a link between blood coagulation and the complement system. Hessing M. **Biochem J** 1991 Aug 1; 277 (Pt 3):581–92 (229 ref.)
Bacterial haemolysin and mammalian P-glycoprotein. Holland IB, et al. **Biochem Soc Trans** 1991 Apr;19(2):252–5 (22 ref.)
From the structure to the function of villin, an actin-binding protein of the brush border. Friederich E, et al. **Bioessays** 1990 Sep;12(9):403–8 (32 ref.)
Properties and possible function of phosphatidylinositol-transfer proteins. Wirtz KW, et al. **Biotechnol Appl Biochem** 1990 Oct;12(5):485–8 (18 ref.)
A tumor necrosis factor binding protein (TNF-BP)-physiological antagonist of TNF. Olsson I, et al. **Biotherapy** 1991;3(2):159–65 (27 ref.)
When worlds collide: immunosuppressants meet protein phosphatases. McKeon F. **Cell** 1991 Sep 6;66(5):823–6 (28 ref.)
Retinoids, homeoboxes, and growth factors: toward molecular models for limb development. Tabin CJ. **Cell** 1991 Jul 26;66(2):199–217 (165 ref.)
The growth hormone binding protein as a paradigm of the erythropoietin superfamily of receptors. Hochberg Z, et al. **Cell Signal** 1991;3(2):85–91 (74 ref.)
Cation antiporters. Khananshvili D. **Curr Opin Cell Biol** 1990 Aug;2(4):731–4 (17 ref.)
Na(+)–Ca2+ exchanger: the elusive protein. Rahamimoff H. **Curr Top Cell Regul** 1990;31:241–71 (105 ref.)
BiP--a heat shock protein involved in immunoglobulin chain assembly. Haas IG. **Curr Top Microbiol Immunol** 1991; 167:71–82 (81 ref.)
Na(+)–H+ exchanger and its role in essential hypertension and diabetes mellitus. Huot SJ, et al. **Diabetes Care** 1991 Jun;14(6):521–35 (155 ref.)
Role of growth-hormone and insulin-like growth-factor-binding proteins. Hintz RL. **Horm Res** 1990;33(2–4):105–10 (39 ref.)
C4b-binding protein, a regulatory protein of complement. Barnum SR. **Immunol Res** 1991;10(1):28–42 (81 ref.)
Retinoic acid and limb regeneration. Brockes JP. **J Cell Sci Suppl** 1990;13:191–8 (34 ref.)
Insulin-like growth factor binding proteins: roles in regulating IGF physiology. Clemmons DR. **J Dev Physiol** 1991 Feb;15(2):105–10 (24 ref.)
Role and nature of plasma membrane carrier proteins in the hepatic transport of organic anions. Tiribelli C, et al. **J Gastroenterol Hepatol** 1989 Mar–Apr;4(2):195–205 (77 ref.)
Identification and functions of mammalian sperm–egg recognition molecules during fertilization. Jones R. **J Reprod Fertil Suppl** 1990;42:89–105 (94 ref.)
Molecular biology of renal Na(+)–H+ exchangers. Igarashi P, et al. **Kidney Int Suppl** 1991 Jul;33:S84–9 (48 ref.)
The role of ion antiporters in the maintenance of intracellular pH in rat vascular smooth muscle cells. Hogue D, et al. **Mol Cell Biochem** 1991 Apr 10;102(2):125–37 (64 ref.)
Mitochondrial proteins essential for viability mediate protein import into yeast mitochondria. Baker KP, et al. **Nature** 1991 Jan 17;349(6306):205–8 (58 ref.)
RNA splicing. Alive with DEAD proteins [news; comment] Wassarman DA, et al. **Nature** 1991 Feb 7;349(6309):463–4 (23 ref.) Comment on: Nature 1991 Feb 7;349(6309):487–93. Comment on: Nature 1991 Feb 7;349(6309):494–9.
Newly recognized lipid carrier proteins in fetal life. Subbiah MT. **Proc Soc Exp Biol Med** 1991 Oct;198(1):495–9 (61 ref.)
Chemistry and biology of the immunophilins and their immunosuppressive ligands. Schreiber SL. **Science** 1991 Jan 18;251(4991):283–7 (57 ref.)
Adaptation to acid–base disorders: insight into the mechanisms as derived from vesicles studies. Arruda JA, et al. **Semin Nephrol** 1991 Jan;11(1):65–72 (41 ref.)
H+/OH-/HCO3- transport mechanisms in the inner stripe of the outer medullary collecting duct. Hays SR. **Semin Nephrol** 1991 Jan;11(1):45–54 (93 ref.)
Nonenzymatic proteins mediating intracellular lipid transport and metabolism. Current status and emerging trends. Spener F, et al. **Subcell Biochem** 1990;16:1–19 (86 ref.)
[Role of hepatic lipases, cholesterol ester transfer proteins and LCAT in the postprandial phase] van Tol A. **Klin Wochenschr** 1990;68 Suppl 22:23–8 (35 ref.) (Eng. Abstr.) **(Ger)**
[Functional and structural aspects of transport of low molecular weight compounds through biological membranes] Nałęcz KA. **Postepy Biochem** 1989; 35(4):437–67 (181 ref.) **(Pol)**

THERAPEUTIC USE

The use of class II MHC binding peptides in immunotherapy. Wraith DC. **Br J Rheumatol** 1991;30 Suppl 2:14–6 (7 ref.)

CARRIER STATE

Nasal carriage of MRSA: the role of mupirocin and outlook for resistance. Hill RL, et al. **Drugs Exp Clin Res** 1990; 16(8):397–402 (56 ref.)
Factors influencing the natural course of HDV hepatitis. Bonino F, et al. **Prog Clin Biol Res** 1991;364:137–46 (21 ref.)
[Hepatitis B virus and primary glomerulonephritis] Liu ZH, et al. **Chung Hua Nei Ko Tsa Chih** 1990 Sep;29(9):522–5 (21 ref.) **(Chi)**

DIAGNOSIS

Transfusion transmitted viral infections--recent developments in blood donor screening. Yap PL. **Postgrad Med J** 1990 Nov;66(781):906–9 (7 ref.)
[HIV transmission in hospitals and office practice. Protection of patients and medical personnel] Schwarz H. **Schweiz Med Wochenschr** 1991 Jul 27;121(30):1077–82 (31 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Fluoroquinolones in the treatment of typhoid fever and the carrier state. Zavala Trujillo I, et al. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):334–41 (88 ref.)
Should we vigorously try to contain and control methicillin-resistant Staphylococcus aureus? Boyce JM. **Infect Control Hosp Epidemiol** 1991 Jan;12(1):46–54 (95 ref.)

EPIDEMIOLOGY

HDV infection in the Western Pacific region. Dimitrakakis M, et al. **Prog Clin Biol Res** 1991;364:89–96 (9 ref.)
Hepatitis delta in South America and especially in the Amazon region. Gayotto LC. **Prog Clin Biol Res** 1991; 364:123–35 (34 ref.)
The role of hepatitis D virus in liver disease in the Middle East. Toukan AU, et al. **Prog Clin Biol Res** 1991;364:63–8 (11 ref.)
Epidemiology of hepatitis delta virus and non-A, non-B hepatitis. Nordenfelt E. **Scand J Infect Dis Suppl** 1990; 69:49–53 (33 ref.)
[Hepatitis B virus in schools; a risk?] Versteegh FG, et al. **Ned Tijdschr Geneeskd** 1991 Mar 23;135(12):508–11 (41 ref.) **(Dut)**

MICROBIOLOGY

Nasal carriage of Staphylococcus aureus and its influence on hospital infections caused by methicillin-resistant strains. Heczko PB, et al. **Int J Med Microbiol** 1990 Dec; 274(3):333–41 (41 ref.)
The role of Haemophilus influenzae in the pathogenesis of pneumonia. Moxon ER, et al. **Rev Infect Dis** 1991 May–Jun; 13 Suppl 6:S518–27 (78 ref.)
Persistence of hepatitis B virus and establishment of delta virus infection. Nordenfelt E. **Scand J Infect Dis Suppl** 1990;69:121–4 (21 ref.)
[Molecular basis of latency of herpes simplex virus type 1] Borowicz B, et al. **Postepy Biochem** 1991;37(1):49–52 (49 ref.) **(Pol)**
[Delta hepatitis] Nikiforov ND, et al. **Sov Med** 1991;(1):32–5 (49 ref.) **(Rus)**

VETERINARY

Genetically engineered vaccines for control of Aujeszky's disease (pseudorabies). Kit S. **Vaccine** 1990 Oct;8(5):420–4 (23 ref.)

CARRIERS, GENETIC see **HETEROZYGOTE**

CARRIERS, GENETIC, DETECTION see **HETEROZYGOTE DETECTION**

CARSICKNESS see **MOTION SICKNESS**

CARTILAGE

see related
LARYNGEAL CARTILAGES

ANATOMY & HISTOLOGY

Fibrocartilage. Benjamin M, et al. **J Anat** 1990 Aug;171:1–15 (127 ref.)

CHEMISTRY

Domain structure in aggregating proteoglycans from cartilage. Hardingham TE, et al. **Biochem Soc Trans** 1990 Oct;18(5):794–6 (20 ref.)
Structural aspects of skeletal keratan sulphates. Nieduszynski IA, et al. **Biochem Soc Trans** 1990 Oct;18(5):792–3 (16 ref.)
Calbindin-D9k. A vitamin-D-dependent, calcium-binding protein in mineralized tissues. Balmain N. **Clin Orthop** 1991 Apr;(265):265–76 (78 ref.)

CYTOLOGY

Chondrocyte mediated cartilage degradation: regulation by prostaglandin E2, cyclic AMP and interferon alpha. Steinberg JJ, et al. **J Rheumatol Suppl** 1991 Feb;27:63–5 (27 ref.)
Etodolac: efficacy in osteoarthritis and effects on chondrocyte function. Bacon PA. **Rheumatol Int** 1990;10 Suppl:3–7 (18 ref.)

DRUG EFFECTS

Impact of NSAID and steroids on cartilage destruction in murine antigen induced arthritis. van den Berg WB. **J Rheumatol Suppl** 1991 Feb;27:122–3 (12 ref.)
[Cartilage-damaging effect of quinolones] Stahlmann R. **Infection** 1991;19 Suppl 1:S38–46 (30 ref.) (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Collagen types and chondrogenesis. Mayne R. **Ann N Y Acad Sci** 1990;599:39–44 (35 ref.)
Cartilage begets bone versus endochondral myelopoiesis. Caplan AI. **Clin Orthop** 1990 Dec;(261):257–67 (27 ref.)

METABOLISM

Cartilage matrix glycoprotein as a possible marker of osteoarthritis. Fife RS. **J Rheumatol Suppl** 1991 Feb;27:30–1 (17 ref.)
Circulating keratan sulfate: a marker of cartilage proteoglycan catabolism in osteoarthritis. Thonar EJ, et al. **J Rheumatol Suppl** 1991 Feb;27:24–6 (20 ref.)
Proteinase-mediated cartilage degradation in osteoarthritis. Dean DD. **Semin Arthritis Rheum** 1991 Jun;20(6 Suppl 2):2–11 (86 ref.)
The small proteoglycans of cartilage matrix. Stanescu V. **Semin Arthritis Rheum** 1990 Dec;20(3 Suppl 1):51–64 (142 ref.)

PATHOLOGY

In vivo evidence for a key role of IL-1 in cartilage destruction in experimental arthritis. van den Berg WB, et al. **Agents Actions Suppl** 1991;32:159–63 (6 ref.)
[Relapsing polychondritis and cartilage] Janin A, et al. **Rev Rhum Mal Osteoartic** 1991 Apr;58(4):283–6 (35 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Cartilage as a target tissue for growth hormone and insulin-like growth factor I. Isaksson OG, et al. **Acta Paediatr Scand Suppl** 1990;367:137–41 (35 ref.)
Macromolecular organization of the extracellular matrix of cartilage. Goetinck PF, et al. **Ann N Y Acad Sci** 1990; 599:29–38 (40 ref.)
Structure and function of extracellular matrix proteoglycans. Oldberg A, et al. **Biochem Soc Trans** 1990 Oct;18(5):789–92 (26 ref.)
Role of proteoglycan in the provisional calcification of cartilage. A review and reinterpretation. Hunter GK. **Clin Orthop** 1991 Jan;(262):256–80 (124 ref.)
Cartilage, function and craniofacial morphogenesis. Rönning O. **Proc Finn Dent Soc** 1991;87(2):231–7 (70 ref.)

SURGERY

Nose and paranasal augmentation: autogenous, fascia, and cartilage. Guerrerosantos J. **Clin Plast Surg** 1991 Jan; 18(1):65–86 (32 ref.)

TRANSPLANTATION

Tissue engineering by cell transplantation using degradable polymer substrates. Cima LG, et al. **J Biomech Eng** 1991 May;113(2):143–51 (79 ref.)
The costochondral graft: a solution or a source of facial asymmetry in growing children. A case report. Peltomäki T, et al. **Proc Finn Dent Soc** 1991;87(1):167–76 (54 ref.)
[Risks of a cartilage-bone bank with reference to HIV infection] Schadel A, et al. **HNO** 1991 May;39(5):177–81 (45 ref.) (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Electron microscopic studies of cartilage proteoglycans. Buckwalter JA, et al. **Electron Microsc Rev** 1988; 1(1):87–112 (95 ref.)

CARTILAGE, ARTICULAR

Temporomandibular joint osteoarthrosis and internal derangement. Part II: Additional treatment options. Stegenga B, et al. **Int Dent J** 1990 Dec;40(6):347–53 (11 ref.)

ANATOMY & HISTOLOGY

Histologic anatomy of the triangular fibrocartilage. Chidgey LK. **Hand Clin** 1991 May;7(2):249–62 (20 ref.)

CHEMISTRY

The cartilage collagens and joint degeneration. Eyre DR, et al. **Br J Rheumatol** 1991;30 Suppl 1:10–5 (37 ref.)
Molecular markers of processes in cartilage in joint disease. Heinegård D, et al. **Br J Rheumatol** 1991;30 Suppl 1:21–4 (14 ref.)
Characterization of the extracellular matrix of the primate temporomandibular joint. Milam SB, et al. **J Oral Maxillofac Surg** 1991 Apr;49(4):381–91 (73 ref.)
Articular cartilage matrix and structure: a minireview. Kuettner KE, et al. **J Rheumatol Suppl** 1991 Feb;27:46–8 (21 ref.)

CYTOLOGY

Formation of cartilage tissue in vitro. Solursh M. **J Cell Biochem** 1991 Mar;45(3):258–60 (22 ref.)

DRUG EFFECTS

Chondroprotection: myth or reality? Brooks PM, et al. **Baillieres Clin Rheumatol** 1991 Aug;4(2):293–303 (120 ref.)
[The effect of nonsteroidal antirheumatic agents on articular cartilage] Pavelka K, et al. **Cas Lek Cesk** 1990 Nov 23; 129(47):1479–83 (25 ref.) (Eng. Abstr.) **(Cze)**
[Current and future aspects of chondroprotective treatments (editorial)] Bannwarth B, et al. **Presse Med** 1991 Apr 20; 20(15):683–5 (10 ref.) **(Fre)**
[Cartilage-damaging effect of quinolones] Stahlmann R. **Infection** 1991;19 Suppl 1:S38–46 (30 ref.) (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

On the importance of cAMP and Ca++ in mandibular condylar growth and adaptation. Kantomaa T, et al. **Am J Orthod Dentofacial Orthop** 1991 May;99(5):418–26 (93 ref.)
Proteoglycan structure and metabolism during maturation and ageing of human articular cartilage. Bayliss MT. **Biochem Soc Trans** 1990 Oct;18(5):799–802 (14 ref.)

METABOLISM

Oestrogens, joint disease, and cartilage. Chander CL, et al. **Ann Rheum Dis** 1991 Mar;50(3):139–40 (23 ref.)
Clinical implications of cartilage metabolism in arthritis. Krane SM, et al. **Eur J Rheumatol Inflamm** 1990;10(1):4–9 (14 ref.)
Growth factors and articular cartilage. Mankin HJ, et al. **J Rheumatol Suppl** 1991 Feb;27:66–7 (13 ref.)
Proteoglycans of articular cartilage: changes in aging and in joint disease. Hardingham T, et al. **Semin Arthritis Rheum** 1990 Dec;20(3 Suppl 1):12–33 (47 ref.)
[Arthritis from a biochemical aspect] Baici A. **Ther Umsch** 1991 Jan;48(1):13–7 (14 ref.) (Eng. Abstr.) **(Ger)**
[Proteolytic enzymes and the destruction of articular cartilage in arthritis and chronic polyarthritis] Mohamed-Ali H. **Wien Med Wochenschr** 1991;141(4):77–85 (90 ref.) (Eng. Abstr.) **(Ger)**
[Cartilage changes in arthrosis—do non-steroidal antiphlogistics have positive or negative effects?] Ostensen M. **Tidsskr Nor Laegeforen** 1991 Mar 10;111(7):838–40 (23 ref.) (Eng. Abstr.) **(Nor)**

PATHOLOGY

Animal models: insights into osteoarthritis (OA) provided by the cruciate-deficient dog. Brandt KD. **Br J Rheumatol** 1991;30 Suppl 1:5–9 (30 ref.)

PHYSIOLOGY

Articular cartilage research. Trippel SB. **Curr Opin Rheumatol** 1990 Oct;2(5):777–82 (15 ref.)

PHYSIOPATHOLOGY

Chondrocyte responses in cartilage and in experimental osteoarthritis. Hardingham TE, et al. **Br J Rheumatol** 1991; 30 Suppl 1:32–7 (31 ref.)
Mechanisms of pain arising from articular tissues. Sessle BJ, et al. **Can J Physiol Pharmacol** 1991 May;69(5):617–26 (98 ref.)
Soluble mediators of articular cartilage degradation in juvenile rheumatoid arthritis. Smith RL. **Clin Orthop** 1990 Oct;(259):31–7 (49 ref.)
Temporomandibular joint osteoarthrosis and internal derangement. Part I: Clinical course and initial treatment. Boering G, et al. **Int Dent J** 1990 Dec;40(6):339–46 (14 ref.)
[Pathogenetic aspects of arthrosis and its therapeutic aspects] Fassbender HG. **Z Rheumatol** 1991;50 Suppl 1:65–8 (8 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Treatment of bunionette deformity with longitudinal diaphyseal osteotomy with distal soft tissue repair. Coughlin MJ. **Foot Ankle** 1991 Feb;11(4):195–203 (34 ref.)
Arthroscopic treatment of TFCC lesions. Osterman AL, et al. **Hand Clin** 1991 May;7(2):277–81 (28 ref.)

CARTILAGE DISEASES

see related
EPIPHYSES, SLIPPED
OSTEOCHONDRITIS

PHYSIOPATHOLOGY

The role of proteinases in cartilage destruction. Evans CH. **Agents Actions Suppl** 1991;32:135–52 (41 ref.)

CARTILAGE, EPIPHYSEAL see **GROWTH PLATE**

CASE-BASE STUDIES see **CASE-CONTROL STUDIES**

CASE-COMPARISON STUDIES see **CASE-CONTROL STUDIES**

CASE-CONTROL STUDIES

Use of the case-control method in outbreak investigations. Fonseca MG, et al. **Am J Epidemiol** 1991 Apr 1; 133(7):748–52 (14 ref.)
Diet and cancer: the role of case-control studies. Trichopoulos D, et al. **Ann Nutr Metab** 1991;35 Suppl 1:89–92 (11 ref.)
The case-control study in psychiatry. Lewis G, et al. **Br J Psychiatry** 1990 Aug;157:197–207 (43 ref.)
Case-control studies of screening. Moss SM. **Int J Epidemiol** 1991 Mar;20(1):1–6 (31 ref.)
Bias in case-control studies. A review. Kopec JA, et al. **J Epidemiol Community Health** 1990 Sep;44(3):179–86 (63 ref.)
[Case-control studies. Transversal studies] Gili M, et al. **Enferm Infecc Microbiol Clin** 1989 Dec;7(10):559–63 (18 ref.) **(Spa)**

CASE MANAGEMENT, INSURANCE see **MANAGED CARE PROGRAMS**

CASE-REFERENT STUDIES see **CASE-CONTROL STUDIES**

CASEINS

PHARMACOLOGY

Casein versus soy protein: further elucidation of their differential effect on serum cholesterol in rabbits. **Nutr Rev** 1991 Apr;49(4):121–3 (5 ref.)
Casein: a milk protein with diverse biologic consequences. Miller MJ, et al. **Proc Soc Exp Biol Med** 1990 Nov; 195(2):143–59 (187 ref.)

CASSAVA

POISONING

The toxic effects of cassava (manihot esculenta grantz) diets on humans: a review. Aregheore EM, et al. **Vet Hum Toxicol** 1991 Jun;33(3):274–5 (10 ref.)

CASTE see **SOCIAL CLASS**

CASTLEMAN'S DISEASE see **GIANT LYMPH NODE HYPERPLASIA**

CASTLEMAN'S TUMOR see **GIANT LYMPH NODE HYPERPLASIA**

CASTOR see **RODENTIA**

CASTOR BEAN

Castor bean intoxication. Challoner KR, et al. **Ann Emerg Med** 1990 Oct;19(10):1177–83 (35 ref.)

CASTOR BEAN LECTIN see **RICIN**

CASTRATION COMPLEX see **ANXIETY, CASTRATION**

CASTRATION, FEMALE see **OVARIECTOMY**

CASTRATION, MALE see **ORCHIECTOMY**

CASTS, SURGICAL

Basic casting techniques. Parsons TA.
Aust Fam Physician 1991 Mar;20(3):254–7, 260–7, 270–1 (0 ref.)
[Functional therapy in treatment of fractures and joint injuries] Tscherne H, et al. **Zentralbl Chir** 1990; 115(16):997–1005 (11 ref.) (Eng. Abstr.) **(Ger)**

VETERINARY

Principles of conservative fracture management: splints and casts. Leighton RL. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):39–51 (6 ref.)
Complications of fractures repaired with casts and splints. Tomlinson J. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):735–44 (1 ref.)

CAT DISEASES

Spontaneous tumors in dogs and cats: models for the study of cancer biology and treatment. MacEwen EG.
Cancer Metastasis Rev 1990 Sep;9(2):125–36 (54 ref.)
Pet-associated lung diseases. Winer-Muram HT, et al.
J Thorac Imaging 1991 Jul;6(3):14–30 (111 ref.)
Canine haemobartonellosis, canine hepatozoonosis, and feline cytauxzoonosis. Hoskins JD.
Vet Clin North Am Small Anim Pract 1991 Jan;21(1):129–40 (45 ref.)
Tick paralysis in North America and Australia. Malik R, et al. **Vet Clin North Am Small Anim Pract** 1991 Jan; 21(1):157–71 (50 ref.)
Recently described feline dermatoses. Medleau L.
Vet Clin North Am Small Anim Pract 1990 Nov; 20(6):1615–32 (78 ref.)
[Ctenocephalides canis and Ctenocephalides felis infestations of dogs and cats. Biology of the agent, epizootiology, pathogenesis, clinical signs, diagnosis and control] Kalvelage H, et al. **Tierarztl Prax** 1991 Apr;19(2):200–6 (0 ref.) (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Cutaneous drug eruptions. Mason KV.
Vet Clin North Am Small Anim Pract 1990 Nov; 20(6):1633–53 (38 ref.)

DIAGNOSIS

Bronchoalveolar lavage in the evaluation of pulmonary disease in the dog and cat. State of the art [see comments] Hawkins EC, et al. **J Vet Intern Med** 1990 Sep–Oct; 4(5):267–74 (40 ref.) Comment in: J Vet Intern Med 1991 Jan–Feb;5(1):52–5.
Diagnostic imaging of intracranial lesions. Bailey MQ.
Semin Vet Med Surg (Small Anim) 1990 Nov;5(4):232–6 (34 ref.)
Spinal neoplasia: diagnosis and treatment. Luttgen PJ.
Semin Vet Med Surg (Small Anim) 1990 Nov;5(4):246–52 (28 ref.)
The clinical presentation and diagnosis of intracranial neoplasia. Nafe LA. **Semin Vet Med Surg (Small Anim)** 1990 Nov;5(4):223–31 (17 ref.)
Endoscopy of the lower gastrointestinal tract. Jones BD.
Vet Clin North Am Small Anim Pract 1990 Sep; 20(5):1229–42 (2 ref.)
Thoracoscopy. McCarthy TC, et al.
Vet Clin North Am Small Anim Pract 1990 Sep; 20(5):1341–52 (10 ref.)
Cystoscopy. McCarthy TC, et al.
Vet Clin North Am Small Anim Pract 1990 Sep; 20(5):1315–39 (15 ref.)
Tracheobronchoscopy. Roudebush P.
Vet Clin North Am Small Anim Pract 1990 Sep; 20(5):1297–314 (32 ref.)
Laryngoscopy. Roudebush P.
Vet Clin North Am Small Anim Pract 1990 Sep;20(5):1291–5 (3 ref.)
Medical dissolution and prevention of canine and feline uroliths: diagnostic and therapeutic caveats. Osborne CA, et al. **Vet Rec** 1990 Oct 13;127(15):369–73 (26 ref.)
[The diagnosis of adrenal cortical function in animals using hormone analysis] Evers P, et al. **Tierarztl Prax** 1990 Dec; 18(6):557–63 (39 ref.) (Eng. Abstr.) **(Ger)**

DIET THERAPY

The role of nutrition in the management of dermatoses. Codner EC, et al. **Semin Vet Med Surg (Small Anim)** 1990 Aug;5(3):167–77 (42 ref.)
Nutritional management of diabetes mellitus. Nelson RW, et al. **Semin Vet Med Surg (Small Anim)** 1990 Aug; 5(3):178–86 (57 ref.)
Nutritional management of chronic renal failure. Polzin D, et al. **Semin Vet Med Surg (Small Anim)** 1990 Aug; 5(3):187–96 (47 ref.)

DRUG THERAPY

Fatty acid supplementation and skin disease. Campbell KL.
Vet Clin North Am Small Anim Pract 1990 Nov; 20(6):1475–86 (37 ref.)
Psychotropic drugs and behavioral therapy. Marder AR.
Vet Clin North Am Small Anim Pract 1991 Mar; 21(2):329–42 (33 ref.)
Management of dermatophyte infections in catteries and multiple-cat households. Moriello KA.
Vet Clin North Am Small Anim Pract 1990 Nov; 20(6):1457–74 (16 ref.)
New therapeutic agents in veterinary dermatology. Mundell AC. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1541–56 (80 ref.)
Synthetic retinoids in veterinary dermatology. Power HT, et al. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1525–39 (47 ref.)

EPIDEMIOLOGY

Perspectives on the epizootiology of feline enteric coronavirus and the pathogenesis of feline infectious peritonitis. Evermann JF, et al. **Vet Microbiol** 1991 Aug 15;28(3):243–55 (79 ref.)

ETIOLOGY

Sex hormone-related and growth hormone-related alopecias. Schmeitzel LP. **Vet Clin North Am Small Anim Pract** 1990 Nov;20(6):1579–601 (79 ref.)
Urinary incontinence in dogs and cats [see comments] Holt PE. **Vet Rec** 1990 Oct 6;127(14):347–50 (46 ref.) Comment in: Vet Rec 1990 Oct 27;127(17):436.

IMMUNOLOGY

Emergence, natural history, and variation of canine, mink, and feline parvoviruses. Parrish CR. **Adv Virus Res** 1990; 38:403–50 (120 ref.)
Immunological aspects of mammary tumors in dogs and cats: a survey including own studies and pertinent literature. Rutten VP, et al. **Vet Immunol Immunopathol** 1990 Nov; 26(3):211–25 (49 ref.)

MICROBIOLOGY

Feline retrovirus infections. Pedersen NC. **Dev Biol Stand** 1990;72:149–55 (12 ref.)

PATHOLOGY

Remote effects of cancer on the nervous system. Braund KG. **Semin Vet Med Surg (Small Anim)** 1990 Nov;5(4):262–70 (63 ref.)
Metastatic neoplasms of the central nervous system. Fenner WR. **Semin Vet Med Surg (Small Anim)** 1990 Nov; 5(4):253–61 (68 ref.)
Genesis and pathology of tumors of the nervous system. Johnson GC. **Semin Vet Med Surg (Small Anim)** 1990 Nov; 5(4):210–22 (66 ref.)

PHYSIOPATHOLOGY

The pathophysiologic basis of behavior problems. Reisner I. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):207–24 (108 ref.)

PREVENTION & CONTROL

Vaccination against feline retroviruses. Jarrett O.
Dev Biol Stand 1990;72:185–8 (11 ref.)
Control of ticks. Garris GI.
Vet Clin North Am Small Anim Pract 1991 Jan;21(1):173–83 (33 ref.)

PSYCHOLOGY

The behavior of sick animals. Hart BL.
Vet Clin North Am Small Anim Pract 1991 Mar; 21(2):225–37 (65 ref.)
Stereotypic or obsessive-compulsive disorders in dogs and cats. Luescher UA, et al.
Vet Clin North Am Small Anim Pract 1991 Mar; 21(2):401–13 (55 ref.)

RADIONUCLIDE IMAGING

Thyroid scintigraphy in small animals. Kintzer PP, et al.
Semin Vet Med Surg (Small Anim) 1991 May;6(2):131–9 (20 ref.)

ULTRASONOGRAPHY

[Ultrasonic diagnosis in dogs and cats. 2. Clinical use—a review] Flückiger M. **Schweiz Arch Tierheilkd** 1991; 133(3):101–11 (57 ref.) (Eng. Abstr.) **(Ger)**

CAT ENZYME see **CHLORAMPHENICOL ACETYLTRANSFERASE**

CAT SCAN, RADIONUCLIDE see **TOMOGRAPHY, EMISSION-COMPUTED**

CAT SCAN, X-RAY see **TOMOGRAPHY, X-RAY COMPUTED**

CAT SCANNERS, X-RAY see **TOMOGRAPHY SCANNERS, X-RAY COMPUTED**

CAT-SCRATCH DISEASE

Cat-scratch disease. Roberge RJ.
Emerg Med Clin North Am 1991 May;9(2):327–34 (45 ref.)

MICROBIOLOGY

Cat-scratch disease bacteria. Arlet G, et al.
Nouv Rev Fr Hematol 1990;32(6):461–3 (24 ref.)

CATALASE

GENETICS

Genetic modulation of the cellular antioxidant defense capacity. Amstad P, et al. **Environ Health Perspect** 1990 Aug;88:77–82 (31 ref.)
Acatalasemia. Ogata M. **Hum Genet** 1991 Feb;86(4):331–40 (74 ref.)

THERAPEUTIC USE

Radioprotective effect of free radical scavenging enzymes. Jones JB, et al. **J Otolaryngol** 1990 Oct;19(5):299–306 (24 ref.)

CATAPLEXY

see related
NARCOLEPSY

CATARACT

CHEMICALLY INDUCED

[Toxicity of ethylene oxide on the crystalline lense in an occupational milieu. Difficulty of epidemiologic surveys of cataract] Deschamps D, et al. **J Fr Ophtalmol** 1990; 13(4):189–97 (24 ref.) (Eng. Abstr.) **(Fre)**

CLASSIFICATION

Cataract classification systems in epidemiological studies. Sasaki K. **Dev Ophthalmol** 1991;21:97–102 (8 ref.)

CONGENITAL

[Data on unilateral congenital cataract] Popescu MP, et al. **Oftalmologia** 1990 Apr–Jun;34(2):105–9 (0 ref.) (Eng. Abstr.) **(Rum)**

DRUG THERAPY

Scientific basis for medical therapy of cataracts by antioxidants. Varma SD. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):335S–345S (39 ref.)
[The worth of anti-cataract drugs] Hockwin O, et al.
Fortschr Ophthalmol 1990;87 Suppl:S9–13 (25 ref.) (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Aldose reductase inhibitors and cataract. Crabbe MJ.
Int Ophthalmol 1991 Jan;15(1):25–36 (68 ref.)

EPIDEMIOLOGY

Introduction of methods in epidemiologic studies with reference of cataract. Grigoletto F, et al.
Dev Ophthalmol 1991;21:1–17 (9 ref.)

ETIOLOGY

Evaluation of risk factors in human cataractogenesis. Lerman S. **Dev Ophthalmol** 1991;21:120–8 (46 ref.)
Risk factors in cataract development: a review. Müller-Breitenkamp U, et al. **Dev Ophthalmol** 1991;21:60–5 (39 ref.)
Oxygen and light as risk factors in senile cataract development: experimental studies. Varma SD, et al.
Dev Ophthalmol 1991;21:162–9 (19 ref.)
Proctor lecture. Disorganization of membranes and abnormal intermediate filament assembly lead to cataract. Bloemendal H. **Invest Ophthalmol Vis Sci** 1991 Mar; 32(3):445–55 (86 ref.)
Lactose and cataract in humans: a review. Couet C, et al.
J Am Coll Nutr 1991 Feb;10(1):79–86 (77 ref.)
Cataract and metabolic disease. Endres W, et al.
J Inherited Metab Dis 1990;13(4):509–16 (53 ref.)
The mechanisms of cataract formation. Schmitt C, et al.
J Inherited Metab Dis 1990;13(4):501–8 (18 ref.)
Sugar induced cataractogenesis: a paradigm of oxidative tissue pathology? Srivastava SK, et al.
Lens Eye Toxic Res 1990;7(2):161–71 (45 ref.)
Cortical cataract development—an expression of primary damage to the lens epithelium. Worgul BV, et al.
Lens Eye Toxic Res 1989;6(4):559–71 (48 ref.)
Cataract extraction in uveitis patients. Hooper PL, et al.
Surv Ophthalmol 1990 Sep–Oct;35(2):120–44 (74 ref.)
[Atopic cataract. Apropos of a case] Jouan N, et al.
Ann Dermatol Venereol 1991;118(6–7):471–2 (15 ref.) **(Fre)**
[Risk evaluation of stratospheric ozone depletion resulting from chlorofluorocarbons (CFC) on human health] Ando M. **Nippon Eiseigaku Zasshi** 1990 Dec;45(5):947–53 (20 ref.) (Eng. Abstr.) **(Jpn)**
[Complicated cataract in associated with recent retinal detachment] Yoshioka H, et al.
Nippon Ganka Gakkai Zasshi 1965 Jun;69(6):545–53 (18 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

Cerebrotendinous xanthomatosis: clinical and biochemical evaluation of eight patients and review of the literature. Kuriyama M, et al. **J Neurol Sci** 1991 Apr;102(2):225–32 (82 ref.)

METABOLISM

Protein oxidation and proteolytic degradation. General aspects and relationship to cataract formation. Davies KJ. **Adv Exp Med Biol** 1990;264:503–11 (81 ref.)

Messenger RNA population in normal and cataractous rat lens. A minireview. Bekhor I. **Lens Eye Toxic Res** 1989; 6(4):749–72 (23 ref.)

PHYSIOPATHOLOGY

Optokinetic nystagmus in normal and visually deprived children: implications for cortical development. Lewis TL, et al. **Can J Psychol** 1989 Jun;43(2):121–40 (105 ref.)

Discrepancy between onset of early lens changes and onset of senile cataract: the case for cellular defense systems in the human eye lens. Vrensen G. **Dev Ophthalmol** 1991; 21:129–33 (17 ref.)

[Predicting visual acuity in media opacities and uncorrectable refractive errors. Assessing so-called "retinal visual acuity"] Lachenmayr B. **Fortschr Ophthalmol** 1990;87 Suppl:S118–37 (184 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Effect of radioprotective agents on X-ray cataracts. Reddy VN, et al. **Lens Eye Toxic Res** 1989;6(4):573–88 (20 ref.)

[Aspirin in the preventive treatment of cataract] Mihail S. **Oftalmologia** 1990 Jan–Mar;34(1):43–6 (16 ref.) (Eng. Abstr.) **(Rum)**

THERAPY

Management of cataracts. Paton D, et al. **Clin Symp** 1990; 42(4):2–32 (10 ref.)

[Cataract in the elderly] Majima Y. **Nippon Ronen Igakkai Zasshi** 1990 Sep;27(5):540–4 (9 ref.) **(Jpn)**

CATARACT EXTRACTION

see related
APHAKIA, POSTCATARACT
LENSES, INTRAOCULAR

Intraocular drugs used in cataract surgery and their effect on the corneal endothelium. MacRae S. **Refract Corneal Surg** 1991 May–Jun;7(3):249–51 (11 ref.)

[Cataract in the elderly] Majima Y. **Nippon Ronen Igakkai Zasshi** 1990 Sep;27(5):540–4 (9 ref.) **(Jpn)**

ADVERSE EFFECTS

Corneal complications of cataract surgery. Hwang DG, et al. **Refract Corneal Surg** 1991 Jan–Feb;7(1):77–80 (14 ref.)

METHODS

Implant surgery. Something old and something new. Los LI, et al. **Doc Ophthalmol** 1990 Oct;75(3–4):377–90 (4 ref.)

Cataract extraction in uveitis patients. Hooper PL, et al. **Surv Ophthalmol** 1990 Sep–Oct;35(2):120–44 (74 ref.)

[Endothelial protection in surgical interventions and corneal donor tissue] Hartmann C. **Fortschr Ophthalmol** 1990;87 Suppl:S198–205 (48 ref.) (Eng. Abstr.) **(Ger)**

[Aquadiassectio alia post aliam. A helpful technique in the fractionated preparation of the lens nucleus in extracapsular cataract extraction] Klaas DW. **Fortschr Ophthalmol** 1990; 87(4):425–8 (17 ref.) (Eng. Abstr.) **(Ger)**

[Comparative evaluation of intracapsular cataract extraction, extracapsular cataract extraction and phacoemulsification] Ohrloff C. **Fortschr Ophthalmol** 1990;87 Suppl:S14–21 (96 ref.) (Eng. Abstr.) **(Ger)**

[Phacoemulsification. Why?] Böke W. **Klin Monatsbl Augenheilkd** 1990 Aug;197(2):100–5 (51 ref.) (Eng. Abstr.) **(Ger)**

[Is assessment of complications following intra- and extracapsular cataract extraction with lens implantation biased? (see comments)] Vogel M. **Klin Monatsbl Augenheilkd** 1991 Jan;198(1):2–5 (37 ref.) (Eng. Abstr.) Comment in: Klin Monatsbl Augenheilkd 1991 Jan;198(1):1. **(Ger)**

[The laser treatment of secondary cataracts] Bakutkin VV, et al. **Oftalmol Zh** 1990;(2):113–8 (90 ref.) **(Rus)**

CATARRHINA see **CERCOPITHECIDAE**

CATASTROPHIC HEALTH INSURANCE see **INSURANCE, MAJOR MEDICAL**

CATASTROPHIC ILLNESS

see related
INSURANCE, MAJOR MEDICAL

CLASSIFICATION

Patient characteristics in SUPPORT: disease specific clinical data. Phillips RS, et al. **J Clin Epidemiol** 1990;43 Suppl:41S–45S (61 ref.)

ECONOMICS

The Medicare Catastrophic Coverage Act: a post-mortem. Rice T, et al. **Health Aff (Millwood)** 1990 Fall;9(3):75–87 (13 ref.)

PSYCHOLOGY

Assessing quality of life and preferences in the seriously ill using utility theory. Tsevat J, et al. **J Clin Epidemiol** 1990; 43 Suppl:73S–77S (70 ref.)

CATECHOL ESTROGENS

METABOLISM

Formation, metabolism, and physiologic importance of catecholestrogens. Ball P, et al. **Am J Obstet Gynecol** 1990 Dec;163(6 Pt 2):2163–70 (39 ref.)

The possible involvement of endogenous opioid peptides and catecholestrogens in provoking menstrual irregularities in women athletes. De Crée C. **Int J Sports Med** 1990 Oct; 11(5):329–48 (150 ref.)

CATECHOL METHYLTRANSFERASE

ANTAGONISTS & INHIBITORS

Inhibitors of dopamine inactivating systems as antiparkinson drugs. Youdim MB. **Adv Neurol** 1990;53:483–8 (25 ref.)

METABOLISM

The interaction of transport mechanisms and intracellular enzymes in metabolizing systems. Trendelenburg U. **J Neural Transm Suppl** 1990;32:3–18 (31 ref.)

PHYSIOLOGY

Catechol-O-methyltransferase and its role in catecholamine metabolism. Nic a' Bháird N, et al. **Adv Neurol** 1990; 53:489–95 (26 ref.)

CATECHOLAMINES

ANTAGONISTS & INHIBITORS

Relevance of intrinsic sympathomimetic activity for beta blockers. Jaillon P. **Am J Cardiol** 1990 Sep 25; 66(9):21C–23C (16 ref.)

BIOSYNTHESIS

Grafting of catecholaminergic cells in the mammalian brain and reconstruction of disturbed function: basic problems to be solved. Nishino H, et al. **Comp Biochem Physiol [C]** 1991;98(1):211–20 (58 ref.)

BLOOD

Determination of plasma catecholamine and vasoactive peptide concentrations: clinical usefulness. Waeber B, et al. **Int J Rad Appl Instrum [B]** 1990;17(7):667–72 (25 ref.)

Overflow of catecholamine neurotransmitters to the circulation: source, fate, and functions. Esler M, et al. **Physiol Rev** 1990 Oct;70(4):963–85 (219 ref.)

METABOLISM

Catechol-O-methyltransferase and its role in catecholamine metabolism. Nic a' Bháird N, et al. **Adv Neurol** 1990; 53:489–95 (26 ref.)

What do plasma and urinary measures of catecholamines tell us about human response to stressors? Dimsdale JE, et al. **Circulation** 1991 Apr;83(4 Suppl):II36–42 (47 ref.)

Involvement of brain catecholamines and acetylcholine in growth hormone deficiency states. Pathophysiological, diagnostic and therapeutic implications. Müller EE, et al. **Drugs** 1991 Feb;41(2):161–77 (101 ref.)

The interaction of transport mechanisms and intracellular enzymes in metabolizing systems. Trendelenburg U. **J Neural Transm Suppl** 1990;32:3–18 (31 ref.)

Aging: hypothalamic catecholamines, neuroendocrine-immune interactions, and dietary restriction. Meites J. **Proc Soc Exp Biol Med** 1990 Dec; 195(3):304–11 (60 ref.)

PHARMACOLOGY

Catecholamine cardiomyopathy: review and analysis of pathogenetic mechanisms. Jiang JP, et al. **Yale J Biol Med** 1990 Nov–Dec;63(6):581–91 (88 ref.)

PHYSIOLOGY

Smoking, catecholamines and their effects on endothelial cell integrity. Bondjers G, et al. **Adv Exp Med Biol** 1990; 273:51–9 (42 ref.)

Neuromodulatory regulation of gonadotropin-releasing hormone pulsatile discharge in women. Jaffe RB, et al. **Am J Obstet Gynecol** 1990 Nov;163(5 Pt 2):1727–31 (42 ref.)

Effect of nicotine on dynamic function of brain catecholamine neurons. Svensson TH, et al. **Ciba Found Symp** 1990;152:169–80; discussion 180–5 (53 ref.)

Catecholamines and blood pressure regulation. Mannelli M, et al. **Horm Res** 1990;34(3–4):156–60 (36 ref.)

Pathogenesis of hypertrophic cardiomyopathy: another viewpoint. Kothari SS. **Int J Cardiol** 1991 Jan;30(1):9–13 (46 ref.)

The insulin-antagonistic effect of the counterregulatory hormones. Lager I. **J Intern Med Suppl** 1991;735:41–7 (52 ref.)

In-vivo quantitative imaging of catecholaminergic nerve terminals in brain and peripheral organs using positron emission tomography (PET). Kopin IJ. **J Neural Transm Suppl** 1990;32:19–27 (38 ref.)

2-Phenylethylamine: a modulator of catecholamine transmission in the mammalian central nervous system? Paterson IA, et al. **J Neurochem** 1990 Dec;55(6):1827–37 (110 ref.)

Catecholaminergic modulation and transmission in sympathetic preganglionic neurons. Nishi S. **Jpn J Physiol** 1990;40(6):775–87 (50 ref.)

Phenylethylaminergic modulation of catecholaminergic neurotransmission. Boulton AA. **Prog Neuropsychopharmacol Biol Psychiatry** 1991; 15(2):139–56 (56 ref.)

[Catecholamines and activation of fibrinolysis] Zhu GJ. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):62–4 (49 ref.) **(Chi)**

[The physiological significance of regulation by catecholamines, second messengers and enzyme inducers of glutathione metabolism] Kolesnichenko LS, et al. **Fiziol Zh SSSR** 1990 Oct;76(10):1418–25 (20 ref.) (Eng. Abstr.) **(Rus)**

[The role of the sympathetic-adrenal system in the development of hypertension. Effect of the emotional factor] Belova EV. **Kardiologiia** 1991 May;31(5):83–5 (24 ref.) **(Rus)**

[The participation of catecholaminergic systems in regulating the spontaneous motor activity of rat pups] Bursian AV, et al. **Usp Fiziol Nauk** 1991 Jan–Feb;22(1):3–19 (78 ref.) **(Rus)**

THERAPEUTIC USE

Pharmacologic support for postoperative low cardiac output. DiSesa VJ. **Semin Thorac Cardiovasc Surg** 1991 Jan; 3(1):13–23 (87 ref.)

CATECHOLS

METABOLISM

Role of catechol autooxidation in the degeneration of dopamine neurons. Fornstedt B. **Acta Neurol Scand Suppl** 1990;129:12–4 (5 ref.)

Catecholic beta-lactams: facilitated transport. Critchley IA. **J Antimicrob Chemother** 1990 Dec;26(6):733–5 (21 ref.)

CATHARTICS

PHARMACOLOGY

The metabolism of anthranoid laxatives. de Witte P, et al. **Hepatogastroenterology** 1990 Dec;37(6):601–5 (67 ref.)

POISONING

Magnesium intoxication in a neonate from oral magnesium hydroxide laxative. Mofenson HC, et al. **J Toxicol Clin Toxicol** 1991;29(2):215–22 (14 ref.)

TOXICITY

Dantron (chrysazin; 1,8-dihydroxyanthraquinone). **IARC Monogr Eval Carcinog Risks Hum** 1990;50:265–75 (58 ref.)

CATHEPSIN B

PHYSIOLOGY

Cathepsin B and its endogenous inhibitors: the role in tumor malignancy. Sloane BF, et al. **Cancer Metastasis Rev** 1990 Dec;9(4):333–52 (99 ref.)

Cathepsin B and cystatins: evidence for a role in cancer progression. Sloane BF. **Semin Cancer Biol** 1990 Apr; 1(2):137–52 (70 ref.)

CATHEPSIN D

CHEMISTRY

The 52K cathepsin-D of breast cancer: structure, regulation, function and clinical value. Rochefort H, et al. **Cancer Treat Res** 1988;40:207–21 (56 ref.)

ISOLATION & PURIFICATION

[Cathepsin D from human prostate] Chiang L, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):159–63 (20 ref.) **(Spa)**

PHYSIOLOGY

Cathepsin D in breast cancer. Rochefort H. **Breast Cancer Res Treat** 1990 Jul;16(1):3–13 (47 ref.)

Cathepsin D in breast cancer: from molecular and cellular biology to clinical applications. Rochefort H, et al. **Cancer Cells** 1990 Dec;2(12):383–8 (42 ref.)

Cathepsin D: a protease involved in breast cancer metastasis.

Rochefort H, et al. **Cancer Metastasis Rev** 1990 Dec; 9(4):321–31 (49 ref.)
Biological and clinical significance of cathepsin D in breast cancer. Rochefort H. **Semin Cancer Biol** 1990 Apr; 1(2):153–60 (29 ref.)

CATHEPSINS

Antibiotic proteins of human neutrophils. Spitznagel JK. **J Clin Invest** 1990 Nov;86(5):1381–6 (41 ref.)

BLOOD

[An optimal method of determining the level of cathepsin A in blood platelet homogenates] Ostrowska H. **Rocz Akad Med Bialymst** 1988–89;33–34:33–41 (29 ref.) (Eng. Abstr.) **(Pol)**

METABOLISM

Catheptic processing of protein antigens: enzymic and molecular aspects. van der Drift AC, et al. **Semin Immunol** 1990 Jul;2(4):255–71 (135 ref.)

PHYSIOLOGY

The role of cathepsin L in malignant transformation. Kane SE, et al. **Semin Cancer Biol** 1990 Apr;1(2):127–36 (51 ref.)
[Cathepsins: their role in tumor invasiveness] Eiján AM, et al. **Medicina (B Aires)** 1990;50(2):171–4 (55 ref.) **(Spa)**

CATHETER ABLATION, ELECTRIC see **ELECTROCOAGULATION**

CATHETERIZATION

Placement and complications of monitoring catheters. Purdue GF, et al. **Surg Clin North Am** 1991 Aug;71(4):723–31 (73 ref.)

ADVERSE EFFECTS

Catheter-related infections and associated septicemia. Norwood S, et al. **Chest** 1991 Apr;99(4):968–75 (65 ref.)
[Diaphragmatic paralysis after puncture of the internal jugular vein] Armengaud MH, et al. **Ann Fr Anesth Reanim** 1991;10(1):77–80 (12 ref.) (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

New technologies for the treatment of obstructive arterial disease. Fischell TA, et al. **Cathet Cardiovasc Diagn** 1991 Mar;22(3):205–33 (167 ref.)

METHODS

[Treatment of interpleural pain] Ahlburg P, et al. **Ugeskr Laeger** 1990 Sep 10;152(37):2632–4 (21 ref.) (Eng. Abstr.) **(Dan)**

CATHETERIZATION, BALLOON see **BALLOON DILATATION**

CATHETERIZATION, BRONCHIAL see **CATHETERIZATION, PERIPHERAL**

CATHETERIZATION, CARDIAC see **HEART CATHETERIZATION**

CATHETERIZATION, CENTRAL VENOUS

see related
CATHETERS, INDWELLING

Percutaneous venous cannulation and central venous line placement by means of ultrasonography and ultrasonic Doppler. Möllmann M, et al. **Acta Anaesthesiol Belg** 1990; 41(4):345–51 (21 ref.)
Obstructed central venous catheters. Restoring function with a 12-hour infusion of low-dose urokinase. Haire WD, et al. **Cancer** 1990 Dec 1;66(11):2279–85 (39 ref.)
[Venous catheterization and congenital abnormalities of the superior vena cava] Page Y, et al. **Ann Fr Anesth Reanim** 1990;9(5):450–5 (31 ref.) (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Introduction: use of tunnelled right atrial catheters in children with malignant diseases. Barr RD. **Am J Pediatr Hematol Oncol** 1991 Summer;13(2):123–5 (18 ref.)
Internal mammary artery subclavian vein fistula following internal jugular vein catheterization. A case report and review of the literature. Halldorsson A, et al. **J Cardiovasc Surg (Torino)** 1991 May–Jun;32(3):376–9 (17 ref.)
Central venous catheter related sepsis: a clinical review. Putterman C. **Resuscitation** 1990 Aug;20(1):1–16 (128 ref.)
[Infectious complications due to central venous polymeric catheters] Kurz RW, et al. **Anaesthesist** 1991 May; 40(5):262–70 (110 ref.) (Eng. Abstr.) **(Ger)**
[Risk minimization in arterial and venous catheterization] Braun GG, et al. **Klin Anasthesiol Intensivther** 1990; 38:41–56 (42 ref.) **(Ger)**
[Heart and great vessel perforations from central venous catheterization] Putterman C. **Harefuah** 1990 Dec 16; 119(12):441–5 (39 ref.) **(Heb)**

INSTRUMENTATION

Introduction: use of tunnelled right atrial catheters in children with malignant diseases. Barr RD. **Am J Pediatr Hematol Oncol** 1991 Summer;13(2):123–5 (18 ref.)
Indwelling subclavian catheters and a visit with the "pinched-off sign". Lafreniere R. **J Surg Oncol** 1991 Aug; 47(4):261–4 (12 ref.)
[Catheter sepsis: pathogeny and prevention with a new connection model] Segura M, et al. **Nutr Hosp** 1990 May–Jun;5(3):172–4 (17 ref.) (Eng. Abstr.) **(Spa)**

METHODS

Long-term vascular access via the inferior vena cava. Williard W, et al. **J Surg Oncol** 1991 Mar;46(3):162–6 (15 ref.)
Central venous catheters. Technique and experience at Red Cross War Memorial Children's Hospital, Cape Town, 1987–1990. Brown RA, et al. **S Afr Med J** 1991 Jul 6; 80(1):11–3 (15 ref.)
A modification of the supraclavicular approach to the central circulation. Conroy JM, et al. **South Med J** 1990 Oct; 83(10):1178–81 (16 ref.)

CATHETERIZATION, HEART see **HEART CATHETERIZATION**

CATHETERIZATION, PERIPHERAL

When is pulmonary artery catheterization worth the risks? Zimmerman FH. **Postgrad Med** 1991 Feb 1;89(2):169–76 (20 ref.)
[Clinico-therapeutic considerations on arterial embolism of the legs] Ippoliti A, et al. **G Chir** 1988 Jun;9(6):438–42 (47 ref.) **(Ita)**
[Intra-arterial digital angiography using a trans-humeral approach in the assessment of ambulatory patients] Florio F, et al. **Radiol Med (Torino)** 1990 Jul–Aug;80(1–2):63–8 (17 ref.) (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

[Risk minimization in arterial and venous catheterization] Braun GG, et al. **Klin Anasthesiol Intensivther** 1990; 38:41–56 (42 ref.) **(Ger)**

CATHETERIZATION, PERIPHERAL ARTERIAL see **CATHETERIZATION, PERIPHERAL**

CATHETERIZATION, PERIPHERAL VENOUS see **CATHETERIZATION, PERIPHERAL**

CATHETERIZATION, SWAN-GANZ

ADVERSE EFFECTS

Swan-Ganz catheter-induced massive hemoptysis and pulmonary artery false aneurysm. Feng WC, et al. **Ann Thorac Surg** 1990 Oct;50(4):644–6 (9 ref.)
[Pulmonary artery rupture from the Swan-Ganz catheter: incidence, pathophysiology, treatment, prevention] Putterman C. **Harefuah** 1991 Mar 15;120(6):352–4 (39 ref.) **(Heb)**

METHODS

European Society of Intensive Care Medicine. Expert panel: the use of the pulmonary artery catheter. **Intensive Care Med** 1991;17(3):I–VIII (74 ref.)

CATHETERIZATION, URETERAL see **URINARY CATHETERIZATION**

CATHETERIZATION, URETHRAL see **URINARY CATHETERIZATION**

CATHETERIZATION, URINARY see **URINARY CATHETERIZATION**

CATHETERS, INDWELLING

see related
INFUSION PUMPS, IMPLANTABLE

Endoscopic nasobiliary catheter drainage in biliary and pancreatic disease. Leung JW, et al. **Am J Gastroenterol** 1991 Apr;86(4):389–94 (32 ref.)
Intraventricular diamorphine via an Ommaya shunt for intractable cancer pain. Reeve WG, et al. **Br J Anaesth** 1990 Oct;65(4):544–7 (13 ref.)
Grossly visible fungal colonization of a Tenckhoff catheter. A case report and literature review. Sekkarie M, et al. **Perit Dial Int** 1991;11(1):85–7 (6 ref.)
Serious infections involving the CDC group Ve bacteria Chryseomonas luteola and Flavimonas oryzihabitans. Hawkins RE, et al. **Rev Infect Dis** 1991 Mar–Apr; 13(2):257–60 (19 ref.)

UTILIZATION

A survey of vascular access for haemodialysis in The Netherlands. Burger H, et al. **Nephrol Dial Transplant** 1991; 6(1):5–10 (10 ref.)

CATHODE see **ELECTRODES**

CATHODE RAY TUBE DISPLAY see **DATA DISPLAY**

CATIONS

Radical cations in aromatic hydrocarbon carcinogenesis. Cavalieri EL, et al. **Free Radic Res Commun** 1990; 11(1–3):77–87 (57 ref.)

METABOLISM

Significance of cation transport in control of energy metabolism and thermogenesis. Clausen T, et al. **Physiol Rev** 1991 Jul;71(3):733–74 (471 ref.)
Localization of ligand binding from studies of chemical modification. Kaplan JH. **Soc Gen Physiol Ser** 1991; 46:117–28 (34 ref.)
Structure of the cation binding sites of Na/K-ATPase. Karlish SJ, et al. **Soc Gen Physiol Ser** 1991;46:129–41 (34 ref.)
Transformation and transport: how does metabolic transformation change the affinity of substrates for the renal contraluminal anion and cation transporters? Ullrich KJ, et al. **Toxicol Lett** 1990 Sep;53(1–2):19–27 (16 ref.)

CATS

Pet population control in Europe. Jöchle W. **J Am Vet Med Assoc** 1991 Apr 1;198(7):1225–30 (50 ref.)

ANATOMY & HISTOLOGY

Identification of muscle flaps in small animals. Gregory CR, et al. **Microsurgery** 1991;12(2):136–9 (16 ref.)

IMMUNOLOGY

The neuroimmune link in the bronchus-associated lymphoid tissue (BALT) of cat and rat: peptides and neural markers. Nohr D, et al. **Brain Behav Immun** 1991 Mar;5(1):84–101 (70 ref.)
Treatment with cat allergy vaccines. Hedlin G. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:211–5 (14 ref.)

INJURIES

Principles of intramedullary pin and wire fixation. Howard PE. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):52–67 (26 ref.)
Principles of conservative fracture management: splints and casts. Leighton RL. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):39–51 (6 ref.)
Principles of external skeletal fixation using the Kirschner-Ehmer splint. Toombs JP. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):68–74 (24 ref.)

METABOLISM

Comparative nutrition of cats and dogs. Baker DH. **Annu Rev Nutr** 1991;11:239–63 (175 ref.)
Chloramphenicol 2. Clinical pharmacology in dogs and cats. Watson AD. **Aust Vet J** 1991 Jan;68(1):2–5 (40 ref.)
Why is the nutrition of cats different from that of dogs? Morris JG, et al. **Tijdschr Diergeneeskd** 1991 Apr;116 Suppl 1:64S–67S (0 ref.)

PHYSIOLOGY

Visual discrimination learning in binocularly deprived cats: 20 years of studies in the Nencki Institute. Zernicki B. **Brain Res Brain Res Rev** 1991 Jan–Apr;16(1):1–13 (59 ref.)
Cerebral cortical and brainstem areas related to the central control of lens accommodation in cat and monkey. Bando T, et al. **Comp Biochem Physiol [C]** 1991;98(1):229–37 (116 ref.)
Current and proposed methods for contraception and termination of pregnancy in dogs and cats. Concannon PW, et al. **J Am Vet Med Assoc** 1991 Apr 1;198(7):1214–25 (76 ref.)
Anesthesia of pups and kittens. Grandy JL, et al. **J Am Vet Med Assoc** 1991 Apr 1;198(7):1244–9 (55 ref.)
Sensory and experiential factors in the design of foods for domestic dogs and cats. Bradshaw JW. **Proc Nutr Soc** 1991 Mar;50(1):99–106 (48 ref.)
Feeding and drinking behavior problems. Houpt KA. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):281–98 (65 ref.)

PSYCHOLOGY

Animal behavior and animal welfare. Houpt KA. **J Am Vet Med Assoc** 1991 Apr 15;198(8):1355–60 (28 ref.)
Cat elimination behavior problems. Borchelt PL. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):257–64 (8 ref.)
Behavioral medicine as a part of a comprehensive small animal medical program. Burghardt WF Jr. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):343–52 (32 ref.)

Feline aggression. Classification, diagnosis, and treatment. Chapman BL. **Vet Clin North Am Small Anim Pract** 1991 Mar;21(2):315–27 (24 ref.)
Feline scratching and destruction and the effects of declawing. Landsberg GM.
Vet Clin North Am Small Anim Pract 1991 Mar; 21(2):265–79 (21 ref.)

SURGERY

Axial pattern skin flaps in cats. Remedios AM, et al. **Microsurgery** 1991;12(2):125–9 (17 ref.)
Principles of bone grafting. Johnson AL.
Semin Vet Med Surg (Small Anim) 1991 Feb;6(1):90–9 (33 ref.)
Nutritional support in the surgical patient. Remillard RL, et al. **Semin Vet Med Surg (Small Anim)** 1990 Aug; 5(3):197–207 (43 ref.)
The ovarian remnant syndrome in the bitch and queen. Wallace MS. **Vet Clin North Am Small Anim Pract** 1991 May;21(3):501–7 (21 ref.)

CATTLE

EMBRYOLOGY

In vitro fertilization in cattle: a review. Greve T, et al. **Reprod Nutr Dev** 1991;31(2):147–57 (116 ref.)

GENETICS

Homologies between the major histocompatibility complex of man and cattle: consequences for disease resistance and susceptibility. Giphart MJ, et al. **Vet Q** 1990 Oct; 12(4):202–11 (49 ref.)

GROWTH & DEVELOPMENT

Grazing management as it affects nutrition, animal production and economics of beef production. Parsons SD, et al.
Vet Clin North Am Food Anim Pract 1991 Mar;7(1):77–94 (17 ref.)
Nutritional and managerial considerations for range beef cattle production. Turner HA, et al.
Vet Clin North Am Food Anim Pract 1991 Mar;7(1):95–125 (39 ref.)

IMMUNOLOGY

[Differentiation and transplantation antigens on the surface of mononuclear cells of cattle, horses and dogs] Schuberth HJ, et al. **Tierarztl Prax** 1991 Apr;19(2):119–22 (13 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Food safety and pharmacokinetic studies which support a zero (0) meat and milk withdrawal time for use of sometribove in dairy cows. Hammond BG, et al.
Ann Rech Vet 1990;21 Suppl 1:107S–120S (53 ref.)
The estimation of nutritive value of dairy cattle feed. Cottyn BG, et al. **Arch Tierernahr** 1990 Oct;40(10):969–80 (25 ref.)
Polyether ionophores—effect on rumen function in feedlot cattle. Corah LR. **Vet Clin North Am Food Anim Pract** 1991 Mar;7(1):127–32 (14 ref.)

PHYSIOLOGY

The bovine oviduct and its role in reproduction: a review of the literature. Ellington JE. **Cornell Vet** 1991 Jul; 81(3):313–28 (81 ref.)
Carbohydrate nutrition. Allen MS.
Vet Clin North Am Food Anim Pract 1991 Jul;7(2):327–40 (38 ref.)
Ingestion and mastication of feed by dairy cattle. Beauchemin KA. **Vet Clin North Am Food Anim Pract** 1991 Jul; 7(2):439–63 (172 ref.)
Mineral and water nutrition. Beede DK.
Vet Clin North Am Food Anim Pract 1991 Jul;7(2):373–90 (60 ref.)
Some nutritional and genetic considerations in the performance testing of beef bulls. Cates WF.
Vet Clin North Am Food Anim Pract 1991 Mar;7(1):59–76 (23 ref.)
Protein and amino acid nutrition of lactating dairy cattle. Chalupa W, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):353–72 (50 ref.)
The effects of essential trace minerals on reproduction in beef cattle. Corah LR, et al.
Vet Clin North Am Food Anim Pract 1991 Mar;7(1):41–57 (60 ref.)
Management of the dairy herd treated with bovine somatotropin. Crooker BA, et al.
Vet Clin North Am Food Anim Pract 1991 Jul;7(2):417–37 (82 ref.)
Lipid nutrition. Emery RS, et al.
Vet Clin North Am Food Anim Pract 1991 Jul;7(2):341–52 (65 ref.)
Nutrition and reproduction in dairy cows. Ferguson JD.
Vet Clin North Am Food Anim Pract 1991 Jul;7(2):483–507 (70 ref.)
New approaches to nutritional monitoring. Galligan DT, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul; 7(2):473–82 (16 ref.)
Implementation of nutritional consultation within a dairy practice. Gerloff BJ.
Vet Clin North Am Food Anim Pract 1991 Jul;7(2):621–8 (3 ref.)
Replacement nutrition management. Heinrichs AJ.
Vet Clin North Am Food Anim Pract 1991 Jul;7(2):585–97 (48 ref.)
Fat-soluble vitamin nutrition for dairy cattle. Herdt TH, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul; 7(2):391–415 (203 ref.)
Rumen digestive physiology and microbial ecology. Hoover WH, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul; 7(2):311–25 (51 ref.)
Feed additives. Hutjens MF.
Vet Clin North Am Food Anim Pract 1991 Jul;7(2):525–40 (55 ref.)
Forage quality analyses and interpretation. Linn JG, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):509–23 (17 ref.)
Nutrition and the development of replacement heifers. Rice LE. **Vet Clin North Am Food Anim Pract** 1991 Mar; 7(1):27–39 (59 ref.)
The effects of nutrition on reproductive performance of beef cattle. Rice LE. **Vet Clin North Am Food Anim Pract** 1991 Mar;7(1):1–26 (41 ref.)
Grouping management and physical facilities. Sniffen CJ.
Vet Clin North Am Food Anim Pract 1991 Jul;7(2):465–71 (8 ref.)
Preruminant calf nutrition. Tomkins T, et al.
Vet Clin North Am Food Anim Pract 1991 Jul;7(2):557–76 (67 ref.)
Ration formulation using linear programming. VandeHaar MJ, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul; 7(2):541–56 (3 ref.)
Dry cow nutrition. The key to improving fresh cow performance. Van Saun RJ.
Vet Clin North Am Food Anim Pract 1991 Jul;7(2):599–620 (117 ref.)

CATTLE DISEASES

Inactivation of the unconventional agents of scrapie, bovine spongiform encephalopathy and Creutzfeldt-Jakob disease. Taylor DM. **J Hosp Infect** 1991 Jun;18 Suppl A:141–6 (51 ref.)
A comparison of human and animal botulism: a review. Critchley EM. **J R Soc Med** 1991 May;84(5):295–8 (29 ref.)
Ostertagiasis in cattle. Myers GH, et al.
J Vet Diagn Invest 1989 Apr;1(2):195–200 (30 ref.)
Animal cytomegaloviruses. Staczek J. **Microbiol Rev** 1990 Sep;54(3):247–65 (378 ref.)
[Bovine spongiform encephalopathy: a new entity caused by a non-conventional transmissible agent] Parodi AL, et al. **Bull Acad Natl Med** 1990 Jun-Jul;174(6):731–9; discussion 740–1 (31 ref.) (Eng. Abstr.) **(Fre)**
[Bovine spongiform encephalopathy (BSE): state of knowledge and precautions] Stöber M.
DTW Dtsch Tierarztl Wochenschr 1990 Dec;97(12):540–4 (67 ref.) (Eng. Abstr.) **(Ger)**
[BSE, bovine spongiform encephalopathy] Truyen U, et al. **Tierarztl Prax** 1990 Oct;18(5):463–8 (23 ref.) (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Adverse drug reactions in cattle [published erratum appears in J Am Vet Med Assoc 1991 Jan 1;198(1):11–2] [see comments] Vomand KC, et al. **J Am Vet Med Assoc** 1990 Oct 1;197(7):899–905 (128 ref.) Comment in: J Am Vet Med Assoc 1991 Jan 1;198(1):11–2.

EPIDEMIOLOGY

Bovine spongiform encephalopathy. Matthews D.
J R Soc Health 1991 Feb;111(1):3–5 (7 ref.)
[Botulism in cattle, a review] Haagsma J.
Tijdschr Diergeneeskd 1991 Jul 1;116(13):663–9 (31 ref.) (Eng. Abstr.) **(Dut)**

ETIOLOGY

Vitamin deficiencies in cattle. Frye TM, et al.
Vet Clin North Am Food Anim Pract 1991 Mar;7(1):217–75 (223 ref.)
Trace element deficiencies in cattle. Graham TW.
Vet Clin North Am Food Anim Pract 1991 Mar;7(1):153–215 (455 ref.)
Nutritional and dietary interrelationships with diseases of feedlot cattle. Johnson B.
Vet Clin North Am Food Anim Pract 1991 Mar;7(1):133–42 (35 ref.)

IMMUNOLOGY

Human and bovine respiratory syncytial virus: immunopathologic mechanisms. Baker JC. **Vet Q** 1991 Jan; 13(1):47–59 (110 ref.)
[Epidemiology and immunology of trichostrongylosis in cattle and sheep, a synthesis] Jansen J.
Tijdschr Diergeneeskd 1990 Nov 15;115(22):1042–50 (26 ref.) (Eng. Abstr.) **(Dut)**

METABOLISM

Nutritional and dietary interrelationships with diseases of grazing beef cattle. Wikse SE, et al.
Vet Clin North Am Food Anim Pract 1991 Mar;7(1):143–52 (29 ref.)
[Hematologic and clinico-chemical research findings in calves and young cattle with ileus] Doll K.
Tierarztl Prax 1991 Feb;19(1):44–7 (18 ref.) (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

[Bovine immunodeficiency virus: short review] Bouillant AM, et al. **Ann Rech Vet** 1990;21(4):239–50 (92 ref.) (Eng. Abstr.) **(Fre)**
[Significance of bovine herpesvirus 4 and its detection] Egelhof SW. **Tierarztl Prax** 1991 Apr;19(2):127–9 (16 ref.) (Eng. Abstr.) **(Ger)**
[Papillomatosis of cattle and its relationship to equine sarcoid] Müller H. **Tierarztl Prax** 1991 Feb;19(1):39–43 (38 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Juvenile bovine angiomatosis: a syndrome of young cattle. Watson TD, et al. **Vet Rec** 1990 Sep 15;127(11):279–82 (16 ref.)

PREVENTION & CONTROL

A thymosin-tuftsin conjugate as a new potential immunomodulator in cattle. Khansari DN, et al.
Adv Vet Sci Comp Med 1990;35:161–77 (56 ref.)
A review of chemical methods available for the control of gastrointestinal nematodes of sheep and cattle. Van Wyk JA. **J S Afr Vet Assoc** 1990 Sep;61(3):136–40 (30 ref.)
Integrated worm control as a strategy in the control of gastrointestinal nematodes of sheep and cattle. Van Wyk JA. **J S Afr Vet Assoc** 1990 Sep;61(3):141–5 (30 ref.)
Systematic control of dermatophytosis profunda of cattle in the former GDR. Kielstein P. **Mycoses** 1990 Nov-Dec; 33(11–12):575–9 (7 ref.)
Report of the FAO Expert Consultation on Revision of Strategies for the Control of Ticks and Tick-borne Diseases, Rome, 25–29 September 1989. **Parassitologia** 1990 Apr;32(1):3–12 (0 ref.)
Amblyomma variegatum and associated diseases in the Caribbean: strategies for control and eradication in Guadeloupe. Camus E, et al. **Parassitologia** 1990 Apr; 32(1):185–93 (17 ref.)
Summing-up of strategies for the control of ticks in Africa. Chema S. **Parassitologia** 1990 Apr;32(1):201–2 (0 ref.)
Methods currently used for the control of multi-host ticks: their validity and proposals for future control strategies. Chizyuka HG, et al. **Parassitologia** 1990 Apr;32(1):127–32 (21 ref.)
Summing-up of strategies for the control of ticks in regions of the world other than Africa. George JE.
Parassitologia 1990 Apr;32(1):203–9 (12 ref.)
Summing-up of strategies for tick-borne disease control in Africa, especially east Africa. Lawrence JA.
Parassitologia 1990 Apr;32(1):113–5 (0 ref.)
Methods currently used for the control of anaplasmosis and babesiosis: their validity and proposals for future control strategies. Lawrence JA, et al. **Parassitologia** 1990 Apr; 32(1):63–71 (10 ref.)
Methods currently used for the control of one-host ticks: their validity and proposals for future control strategies. Nari A. **Parassitologia** 1990 Apr;32(1):133–43 (36 ref.)
Acaricide resistance in single and multi-host ticks and strategies for control. Nolan J. **Parassitologia** 1990 Apr; 32(1):145–53 (19 ref.)
The impact of pure infestations of Rhipicephalus appendiculatus and Amblyomma hebraeum on the productivity of cattle and implications for tick control strategies in Africa. Norval RA. **Parassitologia** 1990 Apr; 32(1):155–63 (38 ref.)
The impact of natural infestations of ticks in Zambia on the productivity of cattle and implications for tick control strategies in central Africa. Pegram RG, et al.
Parassitologia 1990 Apr;32(1):165–75 (12 ref.)
Summing-up of strategies for tick-borne disease control in regions of the world other than Africa. Pipano E, et al.
Parassitologia 1990 Apr;32(1):117–25 (48 ref.)
Methods currently used for the control of heartwater: their validity and proposals for future control strategies. Uilenberg G. **Parassitologia** 1990 Apr;32(1):55–62 (25 ref.)
Perspectives for subunit vaccines for the control of ticks. Willadsen P. **Parassitologia** 1990 Apr;32(1):195–200 (17 ref.)
Control of Theileria species (other than East Coast fever and Theileria annulata infection), Ehrlichia and tick toxicosis: present situation and proposals for future control strategies. Young AS. **Parassitologia** 1990 Apr;32(1):41–54 (81 ref.)
[Prevention of gastrointestinal nematodes in calves in Belgium] Vercruysse J, et al.
Verh K Acad Geneeskd Belg 1991;53(2):121–58; discussion 159–62 (70 ref.) (Eng. Abstr.) **(Dut)**

THERAPY

Cytokines: applications in domestic food animals. Blecha F.
J Dairy Sci 1991 Jan;74(1):328–39 (98 ref.)
[The treatment of left abomasal displacement in cattle] van der Velden MA. **Tijdschr Diergeneeskd** 1991 May 1; 116(9):445–53 (45 ref.) (Eng. Abstr.) **(Dut)**

TRANSMISSION

Bovine spongiform encephalopathy [see comments] Collee JG. **Lancet** 1990 Nov 24;336(8726):1300–3 (29 ref.) Comment in: Lancet 1991 Jan 19;337(8734):173–4.

CAUCASOID RACE

see related
WHITES

A comparison of the gum pads of Afro–Caribbean and Caucasian British subjects at birth. Leighton BC, et al. **Br J Orthod** 1990 Aug;17(3):215–21 (18 ref.)

The pathogenesis of hypertension: black–white differences. Blaustein MP, et al. **Cardiovasc Clin** 1991;21(3):97–114 (78 ref.)

Coronary heart disease: black–white differences. Cooper RS, et al. **Cardiovasc Clin** 1991;21(3):205–25 (40 ref.)

Ethnicity and psychotropic drugs. Bond WS. **Clin Pharm** 1991 Jun;10(6):467–70 (37 ref.)

Racial and ethnic modifiers of the salt–blood pressure response. Flack JM, et al. **Hypertension** 1991 Jan;17(1 Suppl):I115–21 (48 ref.)

GENETICS

Differences in drug metabolism polymorphism between Orientals and Caucasians. Lou YC. **Drug Metab Rev** 1990; 22(5):451–75 (105 ref.)

CAUDA EQUINA

Spinal nerve root compression. Nutrition and function of the porcine cauda equina compressed in vivo. Olmarker K. **Acta Orthop Scand Suppl** 1991;242:1–27 (91 ref.)

Paraganglioma of the cauda equina. Report of 2 cases and review of 59 cases from the literature. Raftopoulos C, et al. **Clin Neurol Neurosurg** 1990;92(3):263–70 (36 ref.)

Subarachnoid hemorrhage from multiple neurofibromas of the cauda equina: case report. Bruni P, et al. **Neurosurgery** 1991 Jun;28(6):910–3 (31 ref.)

[Cauda equina syndrome in sarcoidosis. Report of a case] Chamaillard S, et al. **Rev Rhum Mal Osteoartic** 1990 Dec; 57(12):901–3 (12 ref.) **(Fre)**

[Metastatic Grawitz's tumor to the cauda equina: case report] Takahashi I, et al. **No Shinkei Geka** 1990 Dec; 18(12):1157–60 (12 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Paraganglioma of the cauda equina. A case report and review of the literature. Yoshida A, et al. **Acta Pathol Jpn** 1991 Apr;41(4):305–10 (32 ref.)

CAUDATE NUCLEUS

The clinical application of cell grafting techniques in patients with Parkinson's disease. Quinn NP. **Prog Brain Res** 1990; 82:619–25 (38 ref.)

[The obsessive–compulsive syndrome: reflection of fronto–caudate dysregulation of the left hemisphere?] Flor–Henry P. **Encephale** 1990 Jul–Aug;16 Spec No:325–9 (48 ref.) (Eng. Abstr.) **(Fre)**

[Hematoma of the head of the caudate nucleus] Pedrazzi P, et al. **Rev Neurol (Paris)** 1990;146(12):726–38 (50 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Nerve growth factor and the neostriatum. Altar CA. **Prog Neuropsychopharmacol Biol Psychiatry** 1991; 15(2):157–69 (72 ref.)

PHYSIOPATHOLOGY

Subcognitive processing in the frontocaudate "complex loop": the role of the striatum. Taylor AE, et al. **Alzheimer Dis Assoc Disord** 1990 Fall;4(3):150–60 (39 ref.)

SURGERY

Adrenal medullary tissue transplantation in Parkinson's disease: a review. Burns RS, et al. **Adv Neurol** 1990; 53:571–6 (25 ref.)

CAUSALGIA

DIAGNOSIS

[Neurologic aspects of clinical manifestations, pathophysiology and therapy of reflex sympathetic dystrophy (causalgia, Sudeck's disease)] Blumberg H, et al. **Nervenarzt** 1991 Apr;62(4):205–11 (32 ref.) (Eng. Abstr.) **(Ger)**

CAUSALITY

Randomization, statistics, and causal inference [see comments] Greenland S. **Epidemiology** 1990 Nov; 1(6):421–9 (36 ref.) Comment in: Epidemiology 1990 Nov;1(6):417–8.

CAUSATION see **CAUSALITY**

CAUSE OF DEATH

Competing causes of death. A review of recent trends in mortality in industrialized countries with special reference to cancer. Lopez AD. **Ann N Y Acad Sci** 1990;609:58–74; discussion 74–6 (8 ref.)

Role of necropsy at neonatal and infantile ages. Bosman C, et al. **IARC Sci Publ** 1991;(112):163–75 (22 ref.)

Cardiovascular disease in women: an update. Hunter SM, et al. **J La State Med Soc** 1991 May;143(5):23–30 (83 ref.)

The cause of death in patients with glioblastoma is multifactorial: clinical factors and autopsy findings in 117 cases of supratentorial glioblastoma in adults. Silbergeld DL, et al. **J Neurooncol** 1991 Apr;10(2):179–85 (29 ref.)

Factors in recent reductions in liver cirrhosis deaths. Smart RG, et al. **J Stud Alcohol** 1991 May;52(3):232–40 (65 ref.)

The impact of diabetes in Minnesota—1988. Roesler J, et al. **Minn Med** 1991 Feb;74(2):25–9 (30 ref.)

Forensic toxicology and insects: a minireview. Pahwa R. **Vet Hum Toxicol** 1991 Jun;33(3):272–3 (13 ref.)

[Autopsy: the last, but also the first consultation] Offerhaus GJ. **Ned Tijdschr Geneeskd** 1991 Jun 1;135(22):971–3 (24 ref.) **(Dut)**

[Evaluation of mortality caused by ischemic heart disease in Haute–Garonne] Ruidavets JB, et al. **Arch Mal Coeur** 1990 Dec;83(14):2103–9 (17 ref.) (Eng. Abstr.) **(Fre)**

[Cause of death in severe acute ethanol intoxication] Leopold D. **Beitr Gerichtl Med** 1990;48:163–7 (47 ref.) (Eng. Abstr.) **(Ger)**

[Problems of the medicolegal system for unnatural or unexpected deaths in Japan] Yanagida J. **Nippon Hoigaku Zasshi** 1990 Dec;44(5–6):421–8 (14 ref.) (Eng. Abstr.) **(Jpn)**

CAUSTICS

ADVERSE EFFECTS

[Corrosive damage to upper gastrointestinal tract by caustic substances] Eidelman S, et al. **Harefuah** 1990 Dec 2; 119(11):397–8 (16 ref.) **(Heb)**

CAUTERY

The risks/benefits of laparoscopic cautery for endometriosis [editorial] Haney AF. **Fertil Steril** 1991 Feb;55(2):243–5 (6 ref.)

CAVERNITIS, FIBROUS see **PENILE INDURATION**

CAVERNOUS SINUS

Dural sinus thrombosis. McLean BN. **Br J Hosp Med** 1991 Apr;45(4):226–31 (30 ref.)

Major vascular complications of orthognathic surgery: false aneurysms and arteriovenous fistulas following orthognathic surgery. Lanigan DT, et al. **J Oral Maxillofac Surg** 1991 Jun;49(6):571–7 (35 ref.)

Lymphocytic hypophysitis with involvement of the cavernous sinus and hypothalamus. Nussbaum CE, et al. **Neurosurgery** 1991 Mar;28(3):440–4 (21 ref.)

[Bilateral cavernous sinus syndrome: Burkitt's lymphoma] Delerue O, et al. **Rev Neurol (Paris)** 1991;147(4):311–4 (18 ref.) (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Neuroanatomy of the cavernous sinus and clinical correlations. Swanson MW. **Optom Vis Sci** 1990 Dec; 67(12):891–7 (47 ref.)

RADIOGRAPHY

Spontaneous carotid–cavernous fistulae in Ehlers–Danlos syndrome Type IV. Case report. Schievink WI, et al. **J Neurosurg** 1991 Jun;74(6):991–8 (53 ref.)

SURGERY

Microsurgical approaches to the cavernous sinus. Rhoton AL Jr, et al. **Clin Neurosurg** 1991;37:391–439 (30 ref.)

Surgical management of lesions within the cavernous sinus. Sekhar LN, et al. **Clin Neurosurg** 1991;37:440–89 (73 ref.)

CAVH see **HEMOFILTRATION**

CAVUS DEFORMITY see **FOOT DEFORMITIES**

CAYENNE PEPPER see **CAPSICUM**

CCK-8 see **SINCALIDE**

CCNU see **LOMUSTINE**

CD25 ANTIGEN see **RECEPTORS, INTERLEUKIN-2**

CD44 ANTIGEN see **RECEPTORS, LYMPHOCYTE HOMING**

CD4 ANTIGENS see **ANTIGENS, CD4**

CD4 MOLECULE see **ANTIGENS, CD4**

CDC2 PROTEIN KINASE see **PROTEIN P34CDC2**

CECAL DISEASES

[Granuloma of the cecum] Scevola F, et al. **Minerva Med** 1990 Dec;81(12):889–96 (12 ref.) (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Complete appendicular inversion: the "inside–out" appendix. An unusual presentation of Crohn's disease. A case report and review of the literature. Solomon DJ, et al. **J Belge Radiol** 1991 Mar;74(2):115–6 (8 ref.)

DIAGNOSIS

Cecal diverticulitis presented as a cecal tumor. Kaufman Z, et al. **Am Surg** 1990 Nov;56(11):675–7 (14 ref.)

ETIOLOGY

Non–obstructive cecal dilatation and perforation after cesarean section. Sperling LS, et al. **Acta Obstet Gynecol Scand** 1990;69(5):437–9 (20 ref.)

[Typhlitis as a complication of acute leukemia] Horváth T, et al. **Orv Hetil** 1991 Jul 28;132(30):1653–5 (28 ref.) (Eng. Abstr.) **(Hun)**

CECAL NEOPLASMS

DIAGNOSIS

Cecal diverticulitis presented as a cecal tumor. Kaufman Z, et al. **Am Surg** 1990 Nov;56(11):675–7 (14 ref.)

PATHOLOGY

Primary squamous cell carcinoma of the caecum. Wyatt MG, et al. **Eur J Surg Oncol** 1991 Aug;17(4):392–4 (18 ref.)

SURGERY

[A case of malignant fibrous histiocytoma of the cecum] Fukino S, et al. **Nippon Geka Gakkai Zasshi** 1990 Nov; 91(11):1752–5 (15 ref.) (Eng. Abstr.) **(Jpn)**

CECUM

DRUG EFFECTS

Renal mineralization—a ubiquitous lesion in chronic rat studies. Lord GH, et al. **Food Chem Toxicol** 1990 Jun; 28(6):449–55 (45 ref.)

PHYSIOLOGY

[Regulation of motility and secretion by the ileo–cecal region] Layer P. **Z Gastroenterol** 1991 Apr;29 Suppl 3:18–21 (24 ref.) **(Ger)**

CEFAZOLIN

THERAPEUTIC USE

Achromobacter xylosoxidans: a drug–resistant pathogen in newborns and immunocompromised patients. Giacoia GP. **South Med J** 1990 Nov;83(11):1312–4 (22 ref.)

CEFMETAZOLE

THERAPEUTIC USE

The challenge of prophylaxis in cesarean section in the 1990s. Galask RP. **J Reprod Med** 1990 Nov;35(11 Suppl):1078–81 (10 ref.)

Cefmetazole sodium: pharmacology, pharmacokinetics, and clinical trials. Schentag JJ. **Pharmacotherapy** 1991; 11(1):2–19 (76 ref.)

CEFOTAXIME

ANALOGS & DERIVATIVES

Pharmacokinetics of cefodizime: a review of the data on file. Barré J. **J Antimicrob Chemother** 1990 Nov;26 Suppl C:95–101 (2 ref.)

Cefodizime, a new 2–aminothiazolyl cephalosporin: physicochemical properties, toxicology and structure–activity relationships. Bryskier A, et al. **J Antimicrob Chemother** 1990 Nov;26 Suppl C:1–8 (30 ref.)

Cefodizime in clinical use: a review of the clinical trial reports. Grassi GG. **J Antimicrob Chemother** 1990 Nov;26 Suppl C:117–25 (0 ref.)

Cefodizime as a biological response modifier: a review of its in–vivo, ex–vivo and in–vitro immunomodulatory properties. Labro MT. **J Antimicrob Chemother** 1990 Nov; 26 Suppl C:37–47 (57 ref.)

The in–vitro activity of cefodizime: a review. Soussy CJ, et al. **J Antimicrob Chemother** 1990 Nov;26 Suppl C:13–21 (8 ref.)

[Cefixime in urinary tract infections. (Specific studies and literature review)] Naber KG. **Infection** 1990;18 Suppl 3:S132–9 (34 ref.) (Eng. Abstr.) **(Ger)**

[Cefodizime] Matsumoto K. **Jpn J Antibiot** 1991 Mar; 44(3):249–63 (26 ref.) **(Jpn)**

PHARMACOLOGY

Cefotaxime. An update of its pharmacology and therapeutic use. Todd PA, et al. **Drugs** 1990 Oct;40(4):608–51 (354 ref.)

THERAPEUTIC USE

Review of cefotaxime sodium for surgical prophylaxis. A model for the evolution toward single-dose or short-course cost-effective regimens [published erratum appears in Diagn Microbiol Infect Dis 1991 Mar-Apr;14(2):190] Jones RN. **Diagn Microbiol Infect Dis** 1990 Jul-Aug;13(4):317–27 (87 ref.)

CEFOTETAN

THERAPEUTIC USE

The challenge of prophylaxis in cesarean section in the 1990s. Galask RP. **J Reprod Med** 1990 Nov;35(11 Suppl):1078–81 (10 ref.)

CEFOTIAM

ANALOGS & DERIVATIVES

[New antimicrobial agent series XXXVIII: Cefotiam hexetil] Hara K, et al. **Jpn J Antibiot** 1991 May;44(5):481–93 (31 ref.) **(Jpn)**

CEFOXITIN

THERAPEUTIC USE

Cefoxitin in the prevention and treatment of infections. Brook I. **Hosp Pract [Off]** 1990 Oct;25 Suppl 4:46–56 (95 ref.)

CEFTAZIDIME

PHARMACOKINETICS

Ceftazidime in the elderly: appropriateness of twice-daily dosing. Sirgo MA, et al. **DICP** 1991 Mar;25(3):284–8 (42 ref.)

CEFTIZOXIME

ADVERSE EFFECTS

Safety profile of ceftizoxime: an Italian experience on 14,007 patients. Garotta F, et al. **J Chemother** 1991 Feb;3 Suppl 2:36–8 (0 ref.)

ANALOGS & DERIVATIVES

Cefpodoxime proxetil: dosage, efficacy and tolerance in adults suffering from respiratory tract infections. Safran C. **J Antimicrob Chemother** 1990 Dec;26 Suppl E:93–101 (17 ref.)

PHARMACOLOGY

[Ceftizoxime: a new aminothiazolyl-syn-methoxy-iminocephalosporin] Marcenac FM. **Medicina (B Aires)** 1990;50(2):163–70 (27 ref.) **(Spa)**

CEFTRIAXONE

THERAPEUTIC USE

Ceftriaxone. Gupta AK, et al. **Indian Pediatr** 1990 Apr; 27(4):381–4 (28 ref.)

CEFUROXIME

ANALOGS & DERIVATIVES

[Cefuroxime axetil, a new oral cephalosporin for treating infections of the ORL field: clinical synthesis] Westphal JF. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(5):503–5 (12 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOKINETICS

Pharmacokinetics and tissue concentrations of cefuroxime. Vree TB, et al. **Pharm Weekbl [Sci]** 1990 Dec 14; 12(6A):262–6; discussion 267 (47 ref.)

CELIAC ARTERY

Would you recognize celiac axis syndrome? Mehlman CT. **Postgrad Med** 1991 Jan;89(1):239–40, 245, 248 (33 ref.)

PATHOLOGY

Pancreaticoduodenal artery aneurysms associated with celiac axis stenosis: report of two cases and review of the literature. Quandalle P, et al. **Ann Vasc Surg** 1990 Nov; 4(6):540–5 (32 ref.)

ULTRASONOGRAPHY

[New methods for assessing gastrointestinal blood flow] Hoffmann U, et al. **Z Gastroenterol** 1991 Jan;29(1):36–40 (16 ref.) (Eng. Abstr.) **(Ger)**

CELIAC DISEASE

COMPLICATIONS

[Systemic manifestations associated with celiac disease in adults] Bouhnik Y, et al. **Gastroenterol Clin Biol** 1991; 15(1):28–33 (65 ref.) **(Fre)**

DIAGNOSIS

[How and why is the diagnostic approach to celiac disease changing] Valletta EA. **Pediatr Med Chir** 1990 Mar-Apr; 12(2):123–9 (74 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Dermatitis herpetiformis and gluten sensitive enteropathy (including celiac disease)—increased subepithelial extracellular matrix viscosity due to gliadin. Stone OJ. **Med Hypotheses** 1990 Dec;33(4):283–8 (27 ref.)

The contribution of some constitutional factors to the development of cow's milk and gluten intolerance in children. Kaczmarski M, et al. **Rocz Akad Med Bialymst** 1988–89;33–34:167–76 (71 ref.)

IMMUNOLOGY

[Association between celiac disease and major histocompatibility complex: pathogenic implications] Chamouard P, et al. **Gastroenterol Clin Biol** 1991; 15(3):211–9 (92 ref.) **(Fre)**

[Leukocyte migration inhibition test in celiac disease] Horváth K, et al. **Orv Hetil** 1990 Nov 11;131(45):2471–4 (23 ref.) (Eng. Abstr.) **(Hun)**

[The role of immunology in celiac disease] Blanco Quirós A, et al. **An Esp Pediatr** 1990 Oct;33(4):315–24 (159 ref.) **(Spa)**

PHYSIOPATHOLOGY

Celiac disease. Murphy MS, et al. **Pediatr Rev** 1991 May; 12(11):325–30 (19 ref.)

CELIAC GANGLIA see **GANGLIA, SYMPATHETIC**

CELL ADHESION

Expression of beta 1 integrins in normal human keratinocytes. Larjava H. **Am J Med Sci** 1991 Jan;301(1):63–8 (59 ref.)

Models for receptor-mediated cell phenomena: adhesion and migration. Lauffenburger DA. **Annu Rev Biophys Biophys Chem** 1991;20:387–414 (124 ref.)

Two-way signalling through the LFA-1 lymphocyte adhesion receptor. Dustin ML. **Bioessays** 1990 Sep; 12(9):421–7 (27 ref.)

C-CAM (cell-CAM 105)—a member of the growing immunoglobulin superfamily of cell adhesion proteins. Obrink B. **Bioessays** 1991 May;13(5):227–34 (39 ref.)

The superfamily of proteins with von Willebrand factor type A-like domains: one theme common to components of extracellular matrix, hemostasis, cellular adhesion, and defense mechanisms. Colombatti A, et al. **Blood** 1991 Jun 1;77(11):2305–15 (112 ref.)

Actin-membrane interaction in focal adhesions. Burridge K, et al. **Cell Differ Dev** 1990 Dec 2;32(3):337–42 (35 ref.)

The molecular basis for the assembly and modulation of adherens-type junctions. Geiger B, et al. **Cell Differ Dev** 1990 Dec 2;32(3):343–53 (33 ref.)

Epithelial integrins. Quaranta V. **Cell Differ Dev** 1990 Dec 2;32(3):361–5 (11 ref.)

Plasminogen activation at the cell surface-matrix interface. Vaheri A, et al. **Cell Differ Dev** 1990 Dec 2;32(3):255–62 (39 ref.)

Integrins in human cells and tumors. Virtanen I, et al. **Cell Differ Dev** 1990 Dec 2;32(3):215–27 (56 ref.)

Interaction between endometrium epithelial cells (SNG-M) and teratocarcinoma cells (HT-H) differentiated into trophoblast. Fukuda MN. **Hum Cell** 1989 Dec;2(4):345–55 (61 ref.)

On the mode of action of LFA-1. Figdor CG, et al. **Immunol Today** 1990 Aug;11(8):277–80 (41 ref.)

Extracellular proteins that modulate cell-matrix interactions. SPARC, tenascin, and thrombospondin. Sage EH, et al. **J Biol Chem** 1991 Aug 15;266(23):14831–4 (81 ref.)

Adhesive recognition sequences. Yamada KM. **J Biol Chem** 1991 Jul 15;266(20):12809–12 (68 ref.)

Antibodies against vertebrate microfilament proteins in the analysis of cellular motility and adhesion. Jockusch BM, et al. **J Cell Sci Suppl** 1991;14:41–7 (20 ref.)

Cadherin cell adhesion receptors as a morphogenetic regulator. Takeichi M. **Science** 1991 Mar 22; 251(5000):1451–5 (44 ref.)

The possible role of adhesion in synaptic modification. Schubert D. **Trends Neurosci** 1991 Apr;14(4):127–30 (57 ref.)

[Participation of microfilaments in the formation of adhesion plaques and their importance in cell shape and proliferative regulation] Iwig M, et al. **Acta Histochem Suppl** 1990; 39:403–18 (81 ref.) (Eng. Abstr.) **(Ger)**

[Tumor cell and stroma interaction] Nakazawa N, et al. **Nippon Ika Daigaku Zasshi** 1990 Oct;57(5):377–83 (60 ref.) **(Jpn)**

IMMUNOLOGY

Adhesion molecules and their role in inflammation. Montefort S, et al. **Respir Med** 1991 Mar;85(2):91–9 (46 ref.)

PHYSIOLOGY

Adherence-induced enhancement of the oxidative burst of human neutrophilic granulocytes: effects of the surface coat and of divalent cations. Kownatzki E, et al. **Agents Actions** 1991 Jan;32(1–2):41–5 (22 ref.)

The LEC-CAMs: an emerging family of cell-cell adhesion receptors based upon carbohydrate recognition. Rosen SD. **Am J Respir Cell Mol Biol** 1990 Nov;3(5):397–402 (41 ref.)

Regulation of the adhesion of neutrophils to endothelium. Vadas MA, et al. **Biochem Pharmacol** 1990 Oct 15; 40(8):1683–7 (49 ref.)

The pivotal role of the Leu-CAM and ICAM molecules in human leukocyte adhesion. Gahmberg CG, et al. **Cell Differ Dev** 1990 Dec 2;32(3):239–45 (39 ref.)

Role of cell-matrix contacts in cell migration and epithelial-mesenchymal transformation. Hay ED. **Cell Differ Dev** 1990 Dec 2;32(3):367–75 (40 ref.)

Cell adhesion molecules in myogenesis. Knudsen KA. **Curr Opin Cell Biol** 1990 Oct;2(5):902–6 (15 ref.)

T-cell receptor-activated adhesion systems. O'Rourke AM, et al. **Curr Opin Cell Biol** 1990 Oct;2(5):888–93 (15 ref.)

C. L. Oakley Lecture (1991). Cell adhesion and epithelial differentiation. Fleming S. **J Pathol** 1991 Jun;164(2):95–100 (22 ref.)

[Integrins: the importance of cell adhesion] Humbría A, et al. **Med Clin (Barc)** 1990 Nov 10;95(16):630–5 (78 ref.) **(Spa)**

CELL ADHESION MOLECULES

Cell adhesion molecules: implications for a molecular histology. Edelman GM, et al. **Annu Rev Biochem** 1991; 60:155–90 (315 ref.)

C-CAM (cell-CAM 105)—a member of the growing immunoglobulin superfamily of cell adhesion proteins. Obrink B. **Bioessays** 1991 May;13(5):227–34 (39 ref.)

Leucocyte cellular adhesion molecules. Yong K, et al. **Blood Rev** 1990 Dec;4(4):211–25 (195 ref.)

Cell adhesion molecules. Structure, function, and implication in a variety of cutaneous and other pathologic conditions. Katz AM, et al. **Int J Dermatol** 1991 Mar;30(3):153–60 (55 ref.)

BIOSYNTHESIS

Endothelial cell 13-HODE synthesis and tumor cell endothelial cell adhesion. Buchanan MR, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:909–12 (21 ref.)

CLASSIFICATION

Lectin cell adhesion molecules (LEC-CAMs): a new family of cell adhesion proteins involved with inflammation. Lasky LA. **J Cell Biochem** 1991 Feb;45(2):139–46 (41 ref.)

GENETICS

Adhesive recognition sequences. Yamada KM. **J Biol Chem** 1991 Jul 15;266(20):12809–12 (68 ref.)

IMMUNOLOGY

Determinants of immune cell trafficking in the skin. Walsh LJ, et al. **Lab Invest** 1990 Nov;63(5):592–600 (92 ref.)

Adhesion molecules and their role in inflammation. Montefort S, et al. **Respir Med** 1991 Mar;85(2):91–9 (46 ref.)

METABOLISM

Carbohydrate ligands of the LEC cell adhesion molecules. Brandley BK, et al. **Cell** 1990 Nov 30;63(5):861–3 (20 ref.)

On the mode of action of LFA-1. Figdor CG, et al. **Immunol Today** 1990 Aug;11(8):277–80 (41 ref.)

Cytokine modulation of adhesion molecules in the regulation of immunologic cytotoxicity of epidermal targets. Norris DA. **J Invest Dermatol** 1990 Dec;95(6 Suppl):111S–120S (118 ref.)

Carbohydrate differentiation antigens: probable ligands for cell adhesion molecules [published erratum appears in Trends Biochem Sci 1991 May;16(5):172] Feizi T. **Trends Biochem Sci** 1991 Mar;16(3):84–6 (33 ref.)

PHYSIOLOGY

T-lymphocyte adhesion and immunointervention in transplantation. Fischer A. **Adv Nephrol Necker Hosp** 1991; 20:305–11 (39 ref.)

Cell adhesion molecules and the regulation of development. Cunningham BA. **Am J Obstet Gynecol** 1991 Apr; 164(4):939–48 (139 ref.)

Endothelial and epithelial cell adhesion molecules. Albelda SM. **Am J Respir Cell Mol Biol** 1991 Mar;4(3):195–203 (57 ref.)

The LEC-CAMs: an emerging family of cell-cell adhesion receptors based upon carbohydrate recognition. Rosen SD. **Am J Respir Cell Mol Biol** 1990 Nov;3(5):397–402 (41 ref.)

Cell adhesion molecules in embryogenesis and disease. Crossin KL. **Ann N Y Acad Sci** 1991;615:172–86 (123 ref.)

Calcium-dependent and calcium-independent cell adhesion molecules in the endothelium. Heimark RL. **Ann N Y Acad Sci** 1991;614:229-39 (51 ref.)
Two-way signalling through the LFA-1 lymphocyte adhesion receptor. Dustin ML. **Bioessays** 1990 Sep; 12(9):421-7 (27 ref.)
Cell-cell adhesion molecules in Dictyostelium. Siu CH. **Bioessays** 1990 Aug;12(8):357-62 (58 ref.)
Adhesion receptors involved in the erythroblastic island. Crocker PR, et al. **Blood Cells** 1991;17(1):83-91; discussion 91-6 (22 ref.)
Molecular adhesion phenomena: ligands, receptors, protein domains and motifs. Soria M. **Boll Ist Sieroter Milan** 1989; 68(3):206-13 (64 ref.)
Organ-preference of metastasis. The role of endothelial cell adhesion molecules. Pauli BU, et al. **Cancer Metastasis Rev** 1990 Nov;9(3):175-89 (125 ref.)
The pivotal role of the Leu-CAM and ICAM molecules in human leukocyte adhesion. Gahmberg CG, et al. **Cell Differ Dev** 1990 Dec 2;32(3):239-45 (39 ref.)
Plasminogen activation at the cell surface-matrix interface. Vaheri A, et al. **Cell Differ Dev** 1990 Dec 2;32(3):255-62 (39 ref.)
Fungal cell adhesion molecules in Candida albicans. Tronchin G, et al. **Eur J Epidemiol** 1991 Jan;7(1):23-33 (65 ref.)
Differential roles of multiple adhesion molecules in cell migration: granule cell migration in cerebellum. Chuong CM. **Experientia** 1990 Sep 15;46(9):892-9 (71 ref.)
GMP-140: a receptor for neutrophils and monocytes on activated platelets and endothelium. McEver RP. **J Cell Biochem** 1991 Feb;45(2):156-61 (36 ref.)
Immune and inflammatory processes in cutaneous tissues. Mechanisms and speculations [published erratum appears in J Clin Invest 1991 Feb;87(2):753] Kupper TS. **J Clin Invest** 1990 Dec;86(6):1783-9 (45 ref.)
Abnormal cutaneous topobiology: the molecular basis for dermatopathologic mononuclear cell patterns in inflammatory skin disease. Nickoloff BJ, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):128S-131S (36 ref.)
C. L. Oakley Lecture (1991). Cell adhesion and epithelial differentiation. Fleming S. **J Pathol** 1991 Jun;164(2):95-100 (22 ref.)
Lymphocyte interacting adhesion molecules on brain microvascular cells. Hart MN, et al. **Mol Immunol** 1990 Dec;27(12):1355-9 (15 ref.)
Selectins: novel receptors that mediate leukocyte adhesion during inflammation. McEver RP. **Thromb Haemost** 1991 Mar 4;65(3):223-8 (77 ref.)
Leukocyte adhesion proteins: their role in neutrophil function. Root RK. **Trans Am Clin Climatol Assoc** 1989; 101:207-24; discussion 224-6 (69 ref.)
[The molecular factors of the cell adhesion of neural tissues and the Ca2+-independent adhesion system] Dol'nikova AE, et al. **Ontogenez** 1990 Jul-Aug;21(4):358-67 (62 ref.) (Eng. Abstr.) **(Rus)**
[Molecular mechanisms of intercellular interactions mediated by cell-adhesion proteins and their receptors] Tatarintsev AV, et al. **Vestn Akad Med Nauk SSSR** 1991;(2):29-36 (114 ref.) **(Rus)**

CELL ADHESION MOLECULES, NEURONAL

ANALYSIS

Adhesion molecules on endothelial cells in the central nervous system: an emerging area in the neuroimmunology of multiple sclerosis. Raine CS, et al. **Clin Immunol Immunopathol** 1990 Nov;57(2):173-87 (50 ref.)
Tenascin in normal, reactive, hyperplastic, and neoplastic tissues: biologic and pathologic implications. Koukoulis GK, et al. **Hum Pathol** 1991 Jul;22(7):636-43 (60 ref.)

BIOSYNTHESIS

Expression of tenascin and of the ED-B containing oncofetal fibronectin isoform in human cancer. Nicolò G, et al. **Cell Differ Dev** 1990 Dec 2;32(3):401-8 (28 ref.)
Syndecan and tenascin: induction during early tooth morphogenesis and possible interactions. Thesleff I, et al. **Cell Differ Dev** 1990 Dec 2;32(3):383-9 (37 ref.)
Stimulation of tenascin expression in mesenchyme by epithelial-mesenchymal interactions. Ekblom P, et al. **Int J Dev Biol** 1989 Mar;33(1):71-9 (68 ref.)

GENETICS

Post-translation modifications of neural cell surface molecules. Rougon G, et al. **Acta Histochem Suppl** 1990; 38:51-7 (18 ref.)
The hexabrachion gene as a candidate for a tuberous sclerosis gene. Gulcher J, et al. **Ann N Y Acad Sci** 1991;615:220-7 (45 ref.)

IMMUNOLOGY

N-CAM is a target cell surface antigen for the purification of muscle cells for myoblast transfer therapy. Walsh FS. **Adv Exp Med Biol** 1990;280:41-5; discussion 46 (18 ref.)

METABOLISM

Regulation of neural cell adhesion molecule sialylation state. Regan CM. **Int J Biochem** 1991;23(5-6):513-23 (112 ref.)

PHYSIOLOGY

Cell adhesion molecules in brain. Bock E, et al. **Acta Histochem Suppl** 1990;38:19-25 (55 ref.)
Tenascin in tissue perturbation repair. Sakakura T, et al. **Acta Pathol Jpn** 1991 Apr;41(4):247-58 (67 ref.)
Tenascin in mammary gland development: from embryogenesis to carcinogenesis. Sakakura T, et al. **Cancer Treat Res** 1991;53:383-400 (53 ref.)
Extracellular proteins that modulate cell-matrix interactions. SPARC, tenascin, and thrombospondin. Sage EH, et al. **J Biol Chem** 1991 Aug 15;266(23):14831-4 (81 ref.)
Adhesion molecules (N-CAM and tenascin) in embryonic development and tissue regeneration. Chuong CM. **J Craniofac Genet Dev Biol** 1990;10(2):147-61 (92 ref.)

CELL AGING see **CELL SURVIVAL**

CELL ANOXIA see **CELL HYPOXIA**

CELL COMMUNICATION

see related
INTERCELLULAR JUNCTIONS
SECOND MESSENGER SYSTEMS
SIGNAL TRANSDUCTION

Membrane glycoproteins involved in neurite-neurite interactions. Rathjen FG, et al. **Acta Histochem Suppl** 1990; 38:59-63 (26 ref.)
Inflammation and cell-cell interactions in airway hyperresponsiveness. Leff AR, et al. **Am J Physiol** 1991 Apr;260(4 Pt 1):L189-206 (189 ref.)
Synaptic and nonsynaptic cross talk between neurons. Role of presynaptic alpha 2-receptors in mental disorders. Vizi ES. **Ann N Y Acad Sci** 1990;604:344-52 (43 ref.)
Interleukin 1 beta and thioredoxin are secreted through a novel pathway of secretion. Rubartelli A, et al. **Biochem Soc Trans** 1991 Apr;19(2):255-9 (20 ref.)
Oscillatory dynamics in intercellular communication. Goldbeter A, et al. **Biomed Biochim Acta** 1990; 49(8-9):935-40 (41 ref.)
Cell-cell interactions in the nematode Caenorhabditis elegans. Greenwald I. **Curr Opin Cell Biol** 1990 Dec; 2(6):986-90 (12 ref.)
Function follows form: generation of intracellular signals by cell deformation. Watson PA. **FASEB J** 1991 Apr; 5(7):2013-9 (49 ref.)
How T cells talk to target cells. Hollán S. **Haematologia (Budap)** 1990;23(3):129-44 (19 ref.)
Interaction between endometrium epithelial cells (SNG-M) and teratocarcinoma cells (HT-H) differentiated into trophoblast. Fukuda MN. **Hum Cell** 1989 Dec;2(4):345-55 (61 ref.)
Nitric oxide. A novel signal transduction mechanism for transcellular communication. Ignarro LJ. **Hypertension** 1990 Nov;16(5):477-83 (49 ref.)
Role of cell-cell communication in tumor suppression. Yamasaki H. **Immunol Ser** 1990;51:245-66 (110 ref.)
Transmembrane communication and disease. Pasternak CA. **Indian J Biochem Biophys** 1990 Dec;27(6):363-4 (26 ref.)
Bifunctional role of glycosphingolipids. Modulators for transmembrane signaling and mediators for cellular interactions. Hakomori S. **J Biol Chem** 1990 Nov 5; 265(31):18713-6 (86 ref.)
Signals in limb development: STOP, GO, STAY and POSITION. Wolpert L. **J Cell Sci Suppl** 1990;13:199-208 (43 ref.)
[Mechanism of the cell communication transduction system] Tada S, et al. **Arerugi** 1990 Jun;39(6):495-501 (30 ref.) **(Jpn)**
[Tumor cell and stroma interaction] Nakazawa N, et al. **Nippon Ika Daigaku Zasshi** 1990 Oct;57(5):377-83 (60 ref.) **(Jpn)**

GENETICS

Cell-to-cell communication and the control of growth. Loewenstein WR. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S48-53 (28 ref.)

PHYSIOLOGY

Intercellular communication: a useful test for tumour promoters? Ljungquist S, et al. **Acta Physiol Scand Suppl** 1990;592:41-5 (17 ref.)
T cell receptors: adhesion and signaling. Bierer BE, et al. **Adv Cancer Res** 1991;56:49-76 (138 ref.)
The gap junction family: structure, function and chemistry. Dermietzel R, et al. **Anat Embryol (Berl)** 1990; 182(6):517-28 (82 ref.)
Interactions between somatic cells and germ cells throughout mammalian oogenesis. Buccione R, et al. **Biol Reprod** 1990 Oct;43(4):543-7 (88 ref.)
Inositol phosphates in receptor-mediated cell signaling: metabolic origins and interrelationships. Kirk CJ, et al. **Biotechnol Appl Biochem** 1990 Oct;12(5):489-95 (34 ref.)
Adhesion receptors involved in the erythroblastic island. Crocker PR, et al. **Blood Cells** 1991;17(1):83-91; discussion 91-6 (22 ref.)
Theoretical considerations on cell ensembles. Mel HC. **Blood Cells** 1991;17(1):15-25; discussion 25-7 (18 ref.)
Cellular interactions in metastasis. Miller FR, et al. **Cancer Metastasis Rev** 1990 Jul;9(1):21-34 (143 ref.)
Gap junctional intercellular communication and the regulation of connexin expression and function. Musil LS, et al. **Curr Opin Cell Biol** 1990 Oct;2(5):875-80 (15 ref.)
Ligand-receptor and junction-mediated cell-cell interactions: comparison of the two principles. Chailakhyan LM. **Differentiation** 1990 Oct;45(1):1-6 (15 ref.)
Cell-cell interactions in the testis. Skinner MK. **Endocr Rev** 1991 Feb;12(1):45-77 (676 ref.)
Growth control in mammalian cells by cell-cell contacts. Wieser RJ, et al. **Environ Health Perspect** 1990 Aug; 88:251-3 (27 ref.)
Oncogenes, growth factors, and cell signaling in mouse lung tumors: an overview. Anderson MW. **Exp Lung Res** 1991 Mar-Apr;17(2):323-5 (24 ref.)
Local control mechanisms in the testis. Tähkä KM. **Int J Dev Biol** 1989 Mar;33(1):141-8 (104 ref.)
Lipoxins: eicosanoids carrying intra- and intercellular messages. Serhan CN. **J Bioenerg Biomembr** 1991 Feb; 23(1):105-22 (75 ref.)
Phospholipase D in cell signalling and its relationship to phospholipase C. Shukla SD, et al. **Life Sci** 1991; 48(9):851-66 (132 ref.)
Synthesis of transmitter glutamate and the glial-neuron interrelationship. Torgner I, et al. **Mol Chem Neuropathol** 1990 Jan;12(1):11-7 (35 ref.)
Role of gap junctional cell/cell communication in the control of proliferation and neoplastic transformation. Bertram JS. **Radiat Res** 1990 Sep;123(3):252-6 (28 ref.)
Modulation of intercellular communication during radiation and chemical carcinogenesis. Trosko JE, et al. **Radiat Res** 1990 Sep;123(3):241-51 (142 ref.)
The proPO-system and associated proteins; role in cellular communication in arthropods. Söderhäll K, et al. **Res Immunol** 1990 Nov-Dec;141(9):896-907 (67 ref.)
Glutamate, nitric oxide and cell-cell signalling in the nervous system. Garthwaite J. **Trends Neurosci** 1991 Feb;14(2):60-7 (53 ref.)
Mediators of different lung cells and their function. Reutgen H, et al. **Z Erkr Atmungsorgane** 1991;176(2-3):104-8 (10 ref.)
[Intercellular function of eicosanoids] Goerig M. **Verh Dtsch Ges Inn Med** 1990;96:683-5 (8 ref.) **(Ger)**

CELL COMPARTMENTATION

Messenger RNA transport and localization. Gottlieb E. **Curr Opin Cell Biol** 1990 Dec;2(6):1080-6 (12 ref.)

PHYSIOLOGY

On the role of gravity and positional information in embryological axis formation and tissue compartmentalization. Allaerts W. **Acta Biotheor** 1991 Mar; 39(1):47-62 (67 ref.)
Regulation of intracellular calcium in epithelial cells. Muallem S, et al. **Semin Cell Biol** 1990 Aug;1(4):305-10 (36 ref.)
Rapidly exchanging Ca2+ stores of non-muscle cells. Volpe P, et al. **Semin Cell Biol** 1990 Aug;1(4):297-304 (65 ref.)

CELL COUNT

see related
BLOOD CELL COUNT
SPERM COUNT

CELL CYCLE

The use of 5'-bromodeoxyuridine in the study of cell proliferation. Hardonk MJ, et al. **Acta Histochem Suppl** 1990;39:99-108 (57 ref.)
MPF and cell cycle control. Maller JL. **Adv Second Messenger Phosphoprotein Res** 1990;24:323-8 (40 ref.)
The regulation of histone synthesis in the cell cycle. Osley MA. **Annu Rev Biochem** 1991;60:827-61 (230 ref.)
Protein kinase cascades in meiotic and mitotic cell cycle control. Pelech SL, et al. **Biochem Cell Biol** 1990 Dec; 68(12):1297-330 (436 ref.)
Protein kinases and protooncogenes: biochemical regulators of the eukaryotic cell cycle. Freeman RS, et al. **Biochemistry** 1991 Mar 5;30(9):2293-302 (121 ref.)
Cell cycle control by calcium and calmodulin in Saccharomyces cerevisiae. Anraku Y, et al. **Biochim Biophys Acta** 1991 Jul 10;1093(2-3):169-77 (111 ref.)
The regulation of histone gene expression during the cell cycle. Heintz N. **Biochim Biophys Acta** 1991 Mar 26; 1088(3):327-39 (69 ref.)
Steroids, growth factors, and cell cycle controls in breast cancer. Musgrove EA, et al. **Cancer Treat Res** 1991; 53:305-31 (167 ref.)
The yeast cell cycle. Goebl MG, et al. **Curr Opin Cell Biol** 1991 Apr;3(2):242-6 (28 ref.)
From fungi to flies: pattern and form in the cell cycle. Gull K. **Curr Opin Cell Biol** 1991 Apr;3(2):247-52 (29 ref.)
Mitotic control. Maller JL. **Curr Opin Cell Biol** 1991 Apr; 3(2):269-75 (40 ref.)
The complexity of cell proliferation control in mammalian cells. Schneider C, et al. **Curr Opin Cell Biol** 1991 Apr; 3(2):276-81 (58 ref.)
The stathmokinetic experiment: a single-parameter and

multiparameter flow cytometric analysis. Traganos F, et al. **Methods Cell Biol** 1990;33:249–70 (45 ref.)
The Escherichia coli cell cycle: one cycle or multiple independent processes that are co-ordinated? Nordström K, et al. **Mol Microbiol** 1991 Apr;5(4):769–74 (37 ref.)
Cell-cycle aspects of growth and maturation of mammalian oocytes. Motlik J, et al. **Mol Reprod Dev** 1990 Dec; 27(4):366–75 (95 ref.)
Cell biology. Remembrance of things past [news; comment] Murray AW. **Nature** 1991 Jan 31;349(6308):367–8 (7 ref.) Comment on: Nature 1991 Jan 31;349(6308):388–93.
The Florey Lecture, 1990. How is the cell division cycle regulated? Nurse P. **Philos Trans R Soc Lond [Biol]** 1991 Jun 29;332(1264):271–6 (42 ref.)
G1-specific cyclins: in search of an S-phase-promoting factor. Reed SI. **Trends Genet** 1991 Mar;7(3):95–9 (30 ref.)
[Purification kinetics of human tumors measured by flow cytometry] Goerttler K. **Acta Histochem Suppl** 1990; 39:49–60 (20 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

Control of the bacterial cell cycle. Jacq A, et al. **Curr Opin Cell Biol** 1991 Apr;3(2):237–41 (44 ref.)
Temporal events regulating the early phases of the mammalian cell cycle. Naeve GS, et al. **Curr Opin Cell Biol** 1991 Apr;3(2):261–8 (56 ref.)
Growth regulation of the PCNA gene. Baserga R. **J Cell Sci** 1991 Apr;98 (Pt 4):433–6 (46 ref.)
Cell cycle control in eukaryotes: molecular mechanisms of cdc2 activation. Draetta G. **Trends Biochem Sci** 1990 Oct; 15(10):378–83 (45 ref.)

PHYSIOLOGY

Progression through the cell cycle: an overview. Fridovich-Keil JL, et al. **Am Rev Respir Dis** 1990 Dec; 142(6 Pt 2):S3–6 (35 ref.)
Peptide growth factors and cell cycle control. Armelin HA. **Biomed Pharmacother** 1990;44(2):103–8 (64 ref.)
The cell cycle: myths and realities. Baserga R. **Cancer Res** 1990 Nov 1;50(21):6769–71 (17 ref.)
Proline-directed protein phosphorylation and cell cycle regulation. Hall FL, et al. **Curr Opin Cell Biol** 1991 Apr; 3(2):176–84 (55 ref.)
Phosphorylation of transcriptional factors and cell-cycle-dependent proteins by casein kinase II. Meisner H, et al. **Curr Opin Cell Biol** 1991 Jun;3(3):474–83 (86 ref.)
Cell cycle-related proteins and flow cytometry. Danova M, et al. **Haematologica** 1990 May-Jun;75(3):252–64 (157 ref.)
Intracellular free calcium and the first cell cycle of the sea-urchin embryo (Lytechinus pictus). Steinhardt RA. **J Reprod Fertil Suppl** 1990;42:191–7 (24 ref.)
The cytoskeleton and control of the yeast cell cycle. Streiblová E, et al. **Microbiol Sci** 1985 May;2(5):139–43 (41 ref.)
Ribonucleotide reductase and its regulation during the cell cycle. Fernandez-Sarabia MJ, et al. **Trends Genet** 1990 Sep; 6(9):275–6 (12 ref.)

CELL DEATH see **CELL SURVIVAL**

CELL DEGRANULATION

see related
EXOCYTOSIS

Biogenesis of secretory granules. Implications arising from the immature secretory granule in the regulated pathway of secretion. Tooze SA. **FEBS Lett** 1991 Jul 22;285(2):220–4 (37 ref.)

PHYSIOLOGY

Cortical granules and the cortical reaction in mammals. Cran DG, et al. **J Reprod Fertil Suppl** 1990;42:177–88 (74 ref.)

CELL DIFFERENTIATION

see related
ANTIGENS, DIFFERENTIATION

Protein phosphorylation events and changes in inositol metabolism during HL60 cell differentiation. Lord JM, et al. **Biochem Soc Trans** 1991 Apr;19(2):315–20 (13 ref.)
Traction and the formation of mesenchymal condensations in vivo. Bard JB. **Bioessays** 1990 Aug;12(8):389–95 (34 ref.)
Transforming growth factor-alpha: an oncodevelopmental growth factor. Salomon DS, et al. **Cancer Cells** 1990 Dec; 2(12):389–97 (65 ref.)
Role of cyclic AMP receptor proteins in growth, differentiation, and suppression of malignancy: new approaches to therapy. Cho-Chung YS. **Cancer Res** 1990 Nov 15;50(22):7093–100 (110 ref.)
Relationship of growth factors and differentiation in normal and neoplastic development of the mammary gland. Fernig DG, et al. **Cancer Treat Res** 1991;53:47–78 (182 ref.)
From gradients to axes, from morphogenesis to differentiation. Reid L. **Cell** 1990 Nov 30;63(5):875–82 (41 ref.)
Transdifferentiation of quiescent parenchymatous cells into tracheary elements. Sugiyama M, et al. **Cell Differ Dev** 1990 Aug;31(2):77–87 (98 ref.)
The cellular measurement of time. Groves AK, et al. **Curr Opin Cell Biol** 1991 Apr;3(2):224–9 (54 ref.)
From fungi to flies: pattern and form in the cell cycle. Gull K. **Curr Opin Cell Biol** 1991 Apr;3(2):247–52 (29 ref.)
Relationship of cell growth to the regulation of tissue-specific gene expression during osteoblast differentiation. Stein GS, et al. **FASEB J** 1990 Oct; 4(13):3111–23 (51 ref.)
Cell culture models of differentiation. Watt FM. **FASEB J** 1991 Mar 1;5(3):287–94 (46 ref.)
Role of differentiation induction in tumor suppression. Marks PA, et al. **Immunol Ser** 1990;51:201–16 (74 ref.)
Teratocarcinoma stem cells as a model for differentiation in the mouse embryo. Lehtonen E, et al. **Int J Dev Biol** 1989 Mar;33(1):105–15 (86 ref.)
Phenotype suppression: a postulated molecular mechanism for mediating the relationship of proliferation and differentiation by Fos/Jun interactions at AP-1 sites in steroid responsive promoter elements of tissue-specific genes. Lian JB, et al. **J Cell Biochem** 1991 Jan;45(1):9–14 (38 ref.)
Growth and differentiation factors of pluripotential stem cells. Heath JK, et al. **J Cell Sci Suppl** 1990;13:75–85 (44 ref.)
Differential distribution of cytoskeletal elements upon differentiation of human neuroblastoma cells: expression of a unique MAP2 species. Kirsch J, et al. **Prog Clin Biol Res** 1991;366:327–33 (15 ref.)
CCAAT-enhancer binding protein: a component of a differentiation switch. Umek RM, et al. **Science** 1991 Jan 18;251(4991):288–92 (37 ref.)
[Active metabolites of vitamin D as regulators of the cell proliferation and differentiation process. III. Leukemic cells (review)] Pletsityĭ KD. **Vopr Med Khim** 1990 Nov-Dec; 36(6):51–6 (71 ref.) **(Rus)**

DRUG EFFECTS

Fetal alcohol exposure: cellular toxicity and molecular events involved in toxicity. Michaelis EK. **Alcohol Clin Exp Res** 1990 Dec;14(6):819–26 (59 ref.)
Clinical use of differentiating agents in cancer therapy. Dmitrovsky E, et al. **Cancer Chemother Biol Response Modif** 1990;11:303–20 (162 ref.)
Growth and differentiation control. Francis GE, et al. **Cancer Chemother Biol Response Modif** 1990;11:142–76 (175 ref.)
Primitive neuroectodermal tumors (PNETs) of the CNS and PNS that express functional nerve growth factor receptors (NGFR) but fail to differentiate in response to NGF. Reddy UR, et al. **Prog Clin Biol Res** 1991;366:243–8 (31 ref.)
Arachidonic acid as a mediator of some of the actions of phorbolmyristate acetate, a tumor promoter and inducer of differentiation. Das UN. **Prostaglandins Leukot Essent Fatty Acids** 1991 Apr; 42(4):241–4 (35 ref.)
[Antineoplastic agents as inducers of tumor cell differentiation] Belousova AK. **Vopr Med Khim** 1991 Mar-Apr;37(2):10–4 (48 ref.) **(Rus)**

GENETICS

Differentiation control in cell cycle and development based on the alterations of higher-order chromatin structure. Theory and applications to radiation and chemical action. Andreev SG. **Acta Biol Hung** 1990;41(1-3):35–42 (8 ref.)
Genetic analysis of mammalian cell differentiation. Gourdeau H, et al. **Annu Rev Cell Biol** 1990;6:69–94 (143 ref.)
Retroviral oncogenes: interrelationships between neoplastic transformation and cell differentiation. Auersperg N, et al. **Crit Rev Oncog** 1991;2(2):125–60 (321 ref.)
Differentiation requires continuous regulation. Blau HM, et al. **J Cell Biol** 1991 Mar;112(5):781–3 (34 ref.)
The role of differentiation in the suppression of malignancy. Harris H. **J Cell Sci** 1990 Sep;97 (Pt 1):5–10 (60 ref.)
[Hereditary memory: genomic imprinting and its importance for embryonal development and carcinogenesis] Ohlsson R, et al. **Lakartidningen** 1991 Mar 20;88(12):1087–90 (14 ref.) (Eng. Abstr.) **(Swe)**

PHYSIOLOGY

Human neuroblastoma cells in culture: a model for neuronal cell differentiation and function. Påhlman S, et al. **Acta Physiol Scand Suppl** 1990;592:25–37 (63 ref.)
Inheritance of phenotype in mammalian cells: genetic vs. epigenetic mechanisms. Gruenert DC, et al. **Am J Physiol** 1991 Jun;260(6 Pt 1):L386–94 (173 ref.)
Surface membrane-associated regulation of cell assembly, differentiation, and growth. Dainiak N. **Blood** 1991 Jul 15; 78(2):264–76 (196 ref.)
Growth and differentiation control. Francis GE, et al. **Cancer Chemother Biol Response Modif** 1990;11:142–76 (175 ref.)
Microtubule-based cell motility: the role of microtubules in cell motility and differentiation. Satir P, et al. **Cancer Invest** 1990;8(6):685–90 (29 ref.)
Positional order and cellular handedness. Frankel J. **J Cell Sci** 1990 Oct;97 (Pt 2):205–11 (54 ref.)
Interactions of retinoids and transforming growth factor-beta in regulation of cell differentiation and proliferation. Sporn MB, et al. **Mol Endocrinol** 1991 Jan;5(1):3–7 (56 ref.)
Oxygen-reactive species and antioxidant responses during development: the metabolic paradox of cellular differentiation. Allen RG. **Proc Soc Exp Biol Med** 1991 Feb;196(2):117–29 (134 ref.)
Optic nerve explant cultures of newborn rats: evidence for a neuron or common neuron-glia progenitor. Omlin FX, et al. **Schweiz Arch Neurol Psychiatr** 1991;142(2):104–7 (22 ref.)
[Active metabolites of vitamin D as regulators of proliferation and differentiation of monocyte-macrophage cells (review)] Pletsityĭ KD. **Vopr Med Khim** 1990 Sep-Oct; 36(5):2–4 (38 ref.) **(Rus)**

CELL DIVISION

Autoradiographic studies of cell proliferation in the brain of rodents: a review of methods and results. Korr H. **Acta Histochem Suppl** 1990;39:219–23 (14 ref.)
Proliferation of cultivated cells from normal, preneoplastic and neoplastic human breast tissue--preliminary report. Nissen E, et al. **Acta Histochem Suppl** 1990;39:181–7 (33 ref.)
The role of protein kinase C in growth control and the concept of carcinogenesis as a progressive disorder in signal transduction. Weinstein IB. **Adv Second Messenger Phosphoprotein Res** 1990;24:307–16 (25 ref.)
Cell proliferation, cell death and aging. Franceschi C. **Aging (Milano)** 1989 Jun;1:1–13 (89 ref.)
Ki-67 staining as a means to simplify analysis of tumor cell proliferation [editorial] Hitchcock CL. **Am J Clin Pathol** 1991 Oct;96(4):444–6 (20 ref.)
The potential of using the natural rhythmicity of cell proliferation in improving cancer chemotherapy in rodents. Scheving LE, et al. **Ann N Y Acad Sci** 1991;618:182–227 (111 ref.)
Regulation of cell proliferation: the negative control perspective. Soto AM, et al. **Ann N Y Acad Sci** 1991; 628:412–8 (38 ref.)
Bacterial cell division. de Boer PA, et al. **Annu Rev Genet** 1990;24:249–74 (93 ref.)
Measuring cell proliferation. Woosley JT. **Arch Pathol Lab Med** 1991 Jun;115(6):555–7 (35 ref.)
Control of proliferation by myeloid growth factors. Vallance SJ, et al. **Biochem Soc Trans** 1991 Apr;19(2):307–15 (126 ref.)
Antiproliferative and proliferative effects of TNF on normal and tumor cells. Haranaka K. **Biotherapy** 1991;3(2):121–5 (37 ref.)
Tumour growth dynamics. Watson JV. **Br Med Bull** 1991 Jan;47(1):47–63 (19 ref.)
Transforming growth factor-alpha: an oncodevelopmental growth factor. Salomon DS, et al. **Cancer Cells** 1990 Dec; 2(12):389–97 (65 ref.)
Cell proliferation in metazoans: negative control mechanisms. Sonnenschein C, et al. **Cancer Treat Res** 1991;53:171–94 (90 ref.)
The complexity of cell proliferation control in mammalian cells. Schneider C, et al. **Curr Opin Cell Biol** 1991 Apr; 3(2):276–81 (58 ref.)
Spatial aspects of cytokinesis in plant cells. Wick SM. **Curr Opin Cell Biol** 1991 Apr;3(2):253–60 (35 ref.)
Relationship of cell growth to the regulation of tissue-specific gene expression during osteoblast differentiation. Stein GS, et al. **FASEB J** 1990 Oct; 4(13):3111–23 (51 ref.)
Oncogenes in growth and development. Travali S, et al. **FASEB J** 1990 Nov;4(14):3209–14 (36 ref.)
Heat shock proteins and cell proliferation. Pechan PM. **FEBS Lett** 1991 Mar 11;280(1):1–4 (65 ref.)
Cell repopulation and overall treatment time. Trott KR. **Int J Radiat Oncol Biol Phys** 1990 Oct;19(4):1071–5 (21 ref.)
The possible role of redox-associated protons in growth of plant cells. Barr R. **J Bioenerg Biomembr** 1991 Jun; 23(3):443–67 (113 ref.)
Phenotype suppression: a postulated molecular mechanism for mediating the relationship of proliferation and differentiation by Fos/Jun interactions at AP-1 sites in steroid responsive promoter elements of tissue-specific genes. Lian JB, et al. **J Cell Biochem** 1991 Jan;45(1):9–14 (38 ref.)
The genetic control of cell proliferation in Drosophila imaginal discs. Bryant PJ, et al. **J Cell Sci Suppl** 1990; 13:169–89 (87 ref.)
Growth and differentiation factors of pluripotential stem cells. Heath JK, et al. **J Cell Sci Suppl** 1990;13:75–85 (44 ref.)
Regulation of transforming growth factor-beta subtypes by members of the steroid hormone superfamily. Wakefield L, et al. **J Cell Sci Suppl** 1990;13:139–48 (34 ref.)
How do bacterial nuclei divide? Sargent MG. **Microbiol Sci** 1985 Aug;2(8):235–9 (35 ref.)
The Florey Lecture, 1990. How is the cell division cycle regulated? Nurse P. **Philos Trans R Soc Lond [Biol]** 1991 Jun 29;332(1264):271–6 (42 ref.)
[Participation of microfilaments in the formation of adhesion plaques and their importance in cell shape and proliferative regulation] Iwig M, et al. **Acta Histochem Suppl** 1990; 39:403–18 (81 ref.) (Eng. Abstr.) **(Ger)**
[Active metabolites of vitamin D as regulators of the cell proliferation and differentiation process. III. Leukemic cells (review)] Pletsityĭ KD. **Vopr Med Khim** 1990 Nov-Dec; 36(6):51–6 (71 ref.) **(Rus)**

DRUG EFFECTS

Growth and differentiation control. Francis GE, et al. **Cancer Chemother Biol Response Modif** 1990;11:142–76 (175 ref.)

Enhancement of anticancer agent activity by selective inhibition of rapidly proliferating tissues of the host. Stolfi RL, et al. **Pharmacol Ther** 1991;49(1–2):43–54 (20 ref.)

[Transforming growth factor beta--a new type of inhibitor of proliferation of normal and tumor cells] Stoĭka RS, et al. **Mol Biol (Mosk)** 1990 Jul–Aug;24(4):897–908 (104 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Origins of replication: timing and chromosomal position. Hamlin JL, et al. **Curr Opin Cell Biol** 1991 Jun;3(3):414–21 (47 ref.)

Cytokinesis genetics takes wing. Warn RM. **Trends Genet** 1990 Oct;6(10):309–10 (14 ref.)

Tyrphostins as molecular tools and potential antiproliferative drugs. Levitzki A, et al. **Trends Pharmacol Sci** 1991 May; 12(5):171–4 (26 ref.)

PHYSIOLOGY

Inheritance of phenotype in mammalian cells: genetic vs. epigenetic mechanisms. Gruenert DC, et al. **Am J Physiol** 1991 Jun;260(6 Pt 1):L386–94 (173 ref.)

Influence of growth rate on susceptibility to antimicrobial agents: modification of the cell envelope and batch and continuous culture studies. Brown MR, et al. **Antimicrob Agents Chemother** 1990 Sep;34(9):1623–8 (99 ref.)

Surface membrane-associated regulation of cell assembly, differentiation, and growth. Dainiak N. **Blood** 1991 Jul 15; 78(2):264–76 (196 ref.)

Growth and differentiation control. Francis GE, et al. **Cancer Chemother Biol Response Modif** 1990;11:142–76 (175 ref.)

Autocrine regulation of cell growth and transformation by basic fibroblast growth factor. Yayon A, et al. **Cancer Metastasis Rev** 1990 Nov;9(3):191–202 (94 ref.)

Immunohistochemical markers of cellular proliferation: achievements, problems and prospects. Hall PA, et al. **Cell Tissue Kinet** 1990 Nov;23(6):505–22 (172 ref.)

The role of p53 in the normal control of cell proliferation. Milner J. **Curr Opin Cell Biol** 1991 Apr;3(2):282–6 (20 ref.)

Oncostatic effects of the pineal gland. Kerenyi NA, et al. **Drug Metabol Drug Interact** 1990;8(3–4):313–9 (253 ref.)

Growth control in mammalian cells by cell–cell contacts. Wieser RJ, et al. **Environ Health Perspect** 1990 Aug; 88:251–3 (27 ref.)

Mechanism of homeostatic regulation of tissue growth and reversion of transformed cells to nonmalignancy: a yin–yang problem. Chany C. **J Interferon Res** 1990 Oct; 10(5):453–9 (38 ref.)

Regulation of proliferation, invasion and growth factor synthesis in breast cancer by steroids. Dickson RB, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):305–16 (156 ref.)

Ideas in pathology. Pivotal role of increased cell proliferation in human carcinogenesis. Cohen SM, et al. **Mod Pathol** 1991 May;4(3):371–82 (83 ref.)

Interactions of retinoids and transforming growth factor-beta in regulation of cell differentiation and proliferation. Sporn MB, et al. **Mol Endocrinol** 1991 Jan;5(1):3–7 (56 ref.)

Cell division and peptidoglycan assembly in Escherichia coli. Nanninga N. **Mol Microbiol** 1991 Apr;5(4):791–5 (48 ref.)

The role of ion transport in the regulation of cell proliferation. Mendoza SA. **Pediatr Nephrol** 1988 Jan; 2(1):118–23 (51 ref.)

Perspectives in physiology: cell growth. Spitzer A. **Pediatr Nephrol** 1987 Apr;1(2):230–7 (36 ref.)

Neuromodulatory and trophic actions of taurine. Oja SS, et al. **Prog Clin Biol Res** 1990;351:69–76 (22 ref.)

Role of gap junctional cell/cell communication in the control of proliferation and neoplastic transformation. Bertram JS. **Radiat Res** 1990 Sep;123(3):252–6 (28 ref.)

Tyrosine phosphorylation and the regulation of cell growth: growth factor–stimulated tyrosine phosphorylation of phospholipase C. Nishibe S, et al. **Semin Cancer Biol** 1990 Aug;1(4):285–92 (60 ref.)

Trophic effects of gastrin and cholecystokinin. Håkanson R, et al. **Z Gastroenterol Verh** 1991 Mar;26:265–9 (74 ref.)

[New histopathologic techniques for determining prognosis] Genton CY. **Arch Gynecol Obstet** 1990;247 Suppl:S81–5 (22 ref.) **(Fre)**

[Proliferative vitreoretinopathy: new discoveries in pathophysiology and therapy] Wiedemann P, et al. **Klin Monatsbl Augenheilkd** 1990 Nov;197(5):355–61 (46 ref.) (Eng. Abstr.) **(Ger)**

[PDGF, EGF and TGF-alpha. Promoters of cancer growth and wound healing] Uhl D. **Med Monatsschr Pharm** 1991 May;14(5):130–1 (3 ref.) **(Ger)**

[Inhibition of pancreatic growth by exogenous and endogenous factors] Niederau C. **Z Gastroenterol Verh** 1991 Mar;26:301–4 (37 ref.) **(Ger)**

[Mechanism of cytokinesis in Tetrahymena] Hirono M, et al. **Seikagaku** 1991 Jun;63(6):421–4 (16 ref.) **(Jpn)**

[Active metabolites of vitamin D as regulators of proliferation and differentiation of monocyte–macrophage cells (review)] Pletsityĭ KD. **Vopr Med Khim** 1990 Sep–Oct; 36(5):2–4 (38 ref.) **(Rus)**

RADIATION EFFECTS

Effects of visible radiation on cultured cells. Karu TI. **Photochem Photobiol** 1990 Dec;52(6):1089–98 (58 ref.)

CELL FRACTIONATION

see related
SUBCELLULAR FRACTIONS

CELL FUSION

see related
HYBRID CELLS

CELL GROWTH see **CELL DIVISION**

CELL GROWTH INHIBITORS see **GROWTH INHIBITORS**

CELL HYPOXIA

Characterization of tumor hypoxia by 31P MR spectroscopy. Steen RG. **AJR Am J Roentgenol** 1991 Aug;157(2):243–8 (40 ref.)

DRUG EFFECTS

The nature of tumour hypoxia: implications for therapy. Chaplin DJ, et al. **Prog Clin Biol Res** 1990;354B:81–92 (17 ref.)

PHYSIOLOGY

Hypoxia and inflammatory synovitis: observations and speculation. Stevens CR, et al. **Ann Rheum Dis** 1991 Feb; 50(2):124–32 (140 ref.)

Calcium and pH in anoxic and toxic injury. Herman B, et al. **Crit Rev Toxicol** 1990;21(2):127–48 (229 ref.)

A review of hypoxic cell radiosensitization. Dische S. **Int J Radiat Oncol Biol Phys** 1991 Jan;20(1):147–52 (41 ref.)

Measurement of tumor hypoxia by invasive and non-invasive procedures: a review of recent clinical studies. Chapman JD. **Radiother Oncol** 1991;20 Suppl 1:13–9 (34 ref.)

Mechanisms of hypoxic cell injury. Summary of the symposium presented at the 1990 annual meeting of the Society of Toxicology. Kehrer JP, et al. **Toxicol Appl Pharmacol** 1990 Nov;106(2):165–78 (61 ref.)

RADIATION EFFECTS

The nature of tumour hypoxia: implications for therapy. Chaplin DJ, et al. **Prog Clin Biol Res** 1990;354B:81–92 (17 ref.)

CELL ISOLATION see **CELL SEPARATION**

CELL LINE

World Health Organization attitude concerning the use of continuous cell lines as substrates for production of human virus vaccines. Grachev VP. **Adv Biotechnol Processes** 1990;14:37–67 (101 ref.)

The importance of mouse, rat, and dog mast cell lines. Stevens RL. **Am J Respir Cell Mol Biol** 1990 Nov; 3(5):403–4 (7 ref.)

The quality control of cell banks using DNA fingerprinting. Stacey GN, et al. **Experientia Suppl** 1991;58:361–70 (19 ref.)

METABOLISM

Use of clonal cell lines in the analysis of neurotransmitter receptor mechanisms and function. Buckley NJ, et al. **Biochim Biophys Acta** 1990 Oct 15;1055(1):43–53 (92 ref.)

TRANSPLANTATION

Applications of immortalized cells in basic and clinical neurology. Geller HM, et al. **J Cell Biochem** 1991 Mar; 45(3):279–83 (44 ref.)

CELL LINE, TRANSFORMED

see related
CELL TRANSFORMATION, NEOPLASTIC
CELL TRANSFORMATION, VIRAL

CYTOLOGY

Immortalization and malignant transformation of differentiated cells by oncogenes in vitro and in transgenic mice. Paul D, et al. **Crit Rev Oncog** 1989;1(3):307–21 (175 ref.)

CELL-MEDIATED IMMUNITY see **IMMUNITY, CELLULAR**

CELL-MEDIATED LYMPHOLYTIC CELLS see **T-LYMPHOCYTES, CYTOTOXIC**

CELL MEMBRANE

see related
MEMBRANE FLUIDITY
MEMBRANE LIPIDS

MEMBRANE POTENTIALS
MEMBRANE PROTEINS

Magnetic resonance of membranes. Knowles PF, et al. **Biochem J** 1991 Mar 15;274 (Pt 3):625–41 (235 ref.)

CHEMISTRY

NMR of carbohydrates at the surface of cells. Jarrell HC, et al. **Basic Life Sci** 1990;56:303–16 (22 ref.)

Detection and functions of mammalian lectins--with emphasis on membrane lectins. Gabius HJ. **Biochim Biophys Acta** 1991 Mar 7;1071(1):1–18 (243 ref.)

Chemical principles in the organization of lipid components in the mycobacterial cell envelope. Minnikin DE. **Res Microbiol** 1991 May;142(4):423–7 (9 ref.)

DRUG EFFECTS

Pharmacologic characterization of beta blockers with special reference to the significance of nonspecific membrane effects. Imai S. **Am J Cardiol** 1991 Apr 22;67(10):8B–12B (15 ref.)

The diverse actions of dimethyl sulphoxide: an indicator of membrane transport activity. Neulieb RL, et al. **Cytobios** 1990;63(254–255):139–65 (155 ref.)

The cell membrane as a target for cancer chemotherapy. Grunicke HH. **Eur J Cancer** 1991;27(3):281–4 (64 ref.)

Photosensitizing action of furocoumarins on membrane components and consequent intracellular events [published erratum appears in J Photochem Photobiol B 1991 May;9(2):235] Dall'Acqua F, et al. **J Photochem Photobiol B** 1991 Feb;8(3):235–54 (112 ref.)

Rapid membrane effects of steroid hormones: an emerging concept in neuroendocrinology. Schumacher M. **Trends Neurosci** 1990 Sep;13(9):359–62 (48 ref.)

[Interaction of staphylococcal alpha-toxin with biomembranes] Bukharova TB, et al. **Mol Gen Mikrobiol Virusol** 1990 Aug;(8):3–4 (30 ref.) (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

The calcium pumping ATPase of the plasma membrane. Carafoli E. **Annu Rev Physiol** 1991;53:531–47 (146 ref.)

NADH oxidase of plasma membranes. Morré DJ, et al. **J Bioenerg Biomembr** 1991 Jun;23(3):469–89 (67 ref.)

Association of acetylcholinesterase with the cell surface. Inestrosa NC, et al. **J Membr Biol** 1990 Oct;118(1):1–9 (88 ref.)

Recent advances in the molecular characterization of plasma membrane Ca2+ pumps. Strehler EE. **J Membr Biol** 1991 Feb;120(1):1–15 (104 ref.)

The role of phosphatases in signal transduction. Alexander DR. **New Biol** 1990 Dec;2(12):1049–62 (132 ref.)

IMMUNOLOGY

Fc receptors and membrane immunoglobulin. Metzger H. **Curr Opin Immunol** 1991 Feb;3(1):40–6 (39 ref.)

Phosphatidylinositol membrane anchors and T-cell activation. Robinson PJ. **Immunol Today** 1991 Jan; 12(1):35–41 (56 ref.)

METABOLISM

Metabolic aspects of membrane lipid peroxidation. Wilhelm J. **Acta Univ Carol [Med Monogr] (Praha)** 1990;137:1–53 (715 ref.)

The enzymology of protein translocation across the Escherichia coli plasma membrane. Wickner W, et al. **Annu Rev Biochem** 1991;60:101–24 (198 ref.)

Interdependence of several heat shock gene activations, cyclic AMP decline and changes at the plasma membrane of Saccharomyces cerevisiae. Piper P. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):195–201 (29 ref.)

Functional consequences of lipid-mediated protein–membrane interactions. Saltiel AR, et al. **Biochem Pharmacol** 1991 Jun 21;42(1):1–11 (115 ref.)

From cell membrane to nucleotides: the phosphate regulon in Escherichia coli. Torriani A. **Bioessays** 1990 Aug; 12(8):371–6 (39 ref.)

Molecular mechanisms of sugar transport across mammalian and microbial cell membranes. Baldwin SA. **Biotechnol Appl Biochem** 1990 Oct;12(5):512–6 (32 ref.)

Polyamine membrane transport regulation. Khan NA, et al. **Cell Biol Int Rep** 1991 Jan;15(1):9–24 (78 ref.)

Endocytosis without clathrin (a minireview). Sandvig K, et al. **Cell Biol Int Rep** 1991 Jan;15(1):3–8 (30 ref.)

Capacitative calcium entry revisited. Putney JW Jr. **Cell Calcium** 1990 Nov–Dec;11(10):611–24 (55 ref.)

Intermediate filament–plasma membrane interactions. Jones JC, et al. **Curr Opin Cell Biol** 1991 Feb;3(1):127–32 (36 ref.)

The affinity of fibroblast growth factors (FGFs) for heparin; FGF–heparan sulfate interactions in cells and extracellular matrix. Klagsbrun M. **Curr Opin Cell Biol** 1990 Oct; 2(5):857–63 (24 ref.)

Molecular links between the cytoskeleton and membranes. Luna EJ. **Curr Opin Cell Biol** 1991 Feb;3(1):120–6 (58 ref.)

Association of motor proteins with membranes. Schroer TA. **Curr Opin Cell Biol** 1991 Feb;3(1):133–7 (35 ref.)

Structural heterogeneity of membrane receptors and GTP-binding proteins and its functional consequences for signal transduction. Boege F, et al. **Eur J Biochem** 1991 Jul 1;199(1):1–15 (251 ref.)

Protein export in prokaryotes and eukaryotes. Theme with variations. Wiech H, et al. **FEBS Lett** 1991 Jul 22; 285(2):182–8 (70 ref.)
Microbes and membrane biology. Maloney PC. **FEMS Microbiol Rev** 1990 Sep;7(1–2):91–102 (64 ref.)
Relationship between the regulation of membrane enzyme activities by gangliosides and a possible ganglioside segregation in membrane microdomains. Sonnino S, et al. **Indian J Biochem Biophys** 1990 Dec;27(6):353–8 (16 ref.)
Proctor lecture. Disorganization of membranes and abnormal intermediate filament assembly lead to cataract. Bloemendal H. **Invest Ophthalmol Vis Sci** 1991 Mar; 32(3):445–55 (86 ref.)
Transmembrane signaling, then and now: the decade of the eighties. Badwey JA. **J Bioenerg Biomembr** 1991 Feb; 23(1):1–5 (37 ref.)
Reevaluating equilibrium and kinetic binding parameters for lipophilic drugs based on a structural model for drug interaction with biological membranes. Mason RP, et al. **J Med Chem** 1991 Mar;34(3):869–77 (41 ref.)
Synexin (annexin VII): a cytosolic calcium-binding protein which promotes membrane fusion and forms calcium channels in artificial bilayer and natural membranes. Pollard HB, et al. **J Membr Biol** 1990 Aug;117(2):101–12 (38 ref.)
Factors influencing the distribution pattern of porphyrins in cell membranes. Ricchelli F, et al. **J Photochem Photobiol B** 1990 Jun;6(1–2):69–77 (15 ref.)
Stereospecific effect of vitamin C on collagen synthesis is determined by differences in cell transport. **Nutr Rev** 1991 Jan;49(1):26–7 (3 ref.)
Membrane interactions of pp60v-src: a model for myristylated tyrosine protein kinases. Resh MD. **Oncogene** 1990 Oct;5(10):1437–44 (103 ref.)
Calcium pump of the plasma membrane. Carafoli E. **Physiol Rev** 1991 Jan;71(1):129–53 (286 ref.)
Intrinsic regulation of apical sodium entry in epithelia. Turnheim K. **Physiol Rev** 1991 Apr;71(2):429–45 (228 ref.)
Membrane dynamics and molecular traffic and sorting in mammalian cells. Alfsen A. **Prog Biophys Mol Biol** 1989; 54(2):145–57 (89 ref.)
Transmembrane signalling to adenylate cyclase in mammalian cells and in Saccharomyces cerevisiae. Levitzki A. **Trends Biochem Sci** 1988 Aug;13(8):298–301 (29 ref.)
[Lipoprotein-cell interactions in relation to the risk of atherosclerosis] Richter V. **Z Med Lab Diagn** 1990; 31(5):243–9 (30 ref.) **(Ger)**

PATHOLOGY

Lipid peroxidation and membrane damage of the heart. Ytrehus K, et al. **Acta Physiol Scand Suppl** 1991;599:81–91 (52 ref.)

PHYSIOLOGY

Synaptic plasma membrane composition and fluidity in the pathogenesis of hepatic encephalopathy. Pappas SC. **Adv Exp Med Biol** 1990;272:149–57 (17 ref.)
Adherence-induced enhancement of the oxidative burst of human neutrophilic granulocytes: effects of the surface coat and of divalent cations. Kownatzki E, et al. **Agents Actions** 1991 Jan;32(1–2):41–5 (22 ref.)
Surface-dependent reactions in the propagation phase of blood coagulation. Mann KG, et al. **Ann N Y Acad Sci** 1991;614:63–75 (41 ref.)
Food restriction slows down age-related changes in cell membrane parameters. Pieri C. **Ann N Y Acad Sci** 1991; 621:353–62 (67 ref.)
Essential fatty acids in membrane: physical properties and function. Stubbs CD, et al. **Biochem Soc Trans** 1990 Oct; 18(5):779–81 (31 ref.)
Membrane electrostatics. Cevc G. **Biochim Biophys Acta** 1990 Oct 8;1031(3):311–82 (613 ref.)
Surface membrane-associated regulation of cell assembly, differentiation, and growth. Dainiak N. **Blood** 1991 Jul 15; 78(2):264–76 (196 ref.)
Actin-membrane interaction in focal adhesions. Burridge K, et al. **Cell Differ Dev** 1990 Dec 2;32(3):337–42 (35 ref.)
Cell locomotion: new research tests old ideas on membrane and cytoskeletal flow. Heath JP, et al. **Cell Motil Cytoskeleton** 1991;18(4):245–57 (106 ref.)
Properties of sympathetic neuromuscular transmission and smooth muscle cell membranes in vascular beds. Kitamura K, et al. **Comp Biochem Physiol [C]** 1991;98(1):181–92 (173 ref.)
How can free radicals cause damage to hepatic cells. A multidisciplinary approach. Varga M. **Drug Alcohol Depend** 1991 Mar;27(2):117–9 (21 ref.)
Oxidative modification of LDL: comparison between cell-mediated and copper-mediated modification. Parthasarathy S, et al. **Eur Heart J** 1990 Aug;11 Suppl E:83–7 (87 ref.)
Structure-activity relationships for transmembrane signaling: the receptor's turn. Hollenberg MD. **FASEB J** 1991 Feb; 5(2):178–86 (59 ref.)
Implication of membrane functions in toxicology. Mitjavila S. **Food Addit Contam** 1990;7 Suppl 1:S111–5 (11 ref.)
In vitro studies of endocytic membrane traffic. Gruenberg J. **Infection** 1991;19 Suppl 4:S210–5 (69 ref.)
Membrane and cellular properties in oscillating networks: implications for respiration. Dekin MS, et al. **J Appl Physiol** 1990 Sep;69(3):809–21 (109 ref.)
Role of biological membranes in slow-wave sleep. Karnovsky ML. **J Bioenerg Biomembr** 1991 Feb; 23(1):123–32 (61 ref.)
Transplasma membrane electron transport in plants. Misra PC. **J Bioenerg Biomembr** 1991 Jun;23(3):425–41 (111 ref.)
Bifunctional role of glycosphingolipids. Modulators for transmembrane signaling and mediators for cellular interactions. Hakomori S. **J Biol Chem** 1990 Nov 5; 265(31):18713–6 (86 ref.)
Cell biomechanics: a brief overview. Hochmuth RM. **J Biomech Eng** 1990 Aug;112(3):233–4 (11 ref.)
Functional disturbance of the cell membrane in hypertension. Swales JD. **J Hypertens Suppl** 1990 Dec;8(7):S203–11 (92 ref.)
Lipids, membrane receptors, and enzymes: effects of dietary fatty acids. Kinsella JE. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):200S–217S (91 ref.)
Cell membrane potential analysis. Shapiro HM. **Methods Cell Biol** 1990;33:25–35 (12 ref.)
Stretch-activated ion channels and membrane mechanics. Sachs F, et al. **Neurosci Res Suppl** 1990;12:S1–4 (9 ref.)
Membrane cholesterol dynamics: cholesterol domains and kinetic pools. Schroeder F, et al. **Proc Soc Exp Biol Med** 1991 Mar;196(3):235–52 (171 ref.)
Recent observations concerning structure and function relationships in the mycobacterial cell envelope: elaboration of a model in terms of mycobacterial pathogenicity, virulence and drug-resistance. Rastogi N. **Res Microbiol** 1991 May;142(4):464–76 (54 ref.)
The actin membrane skeleton in Drosophila development. Kiehart DP. **Semin Cell Biol** 1990 Oct;1(5):325–39 (120 ref.)
Involvement of the membrane-cytoskeleton in development of epithelial cell polarity. Nelson WJ, et al. **Semin Cell Biol** 1990 Oct;1(5):359–71 (57 ref.)
Patterning of the membrane cytoskeleton by the extracellular matrix. Otey CA, et al. **Semin Cell Biol** 1990 Oct;1(5):391–9 (97 ref.)
Membrane-cytoskeletal interactions in the early mouse embryo. Sobel JS. **Semin Cell Biol** 1990 Oct;1(5):341–8 (40 ref.)
Molecular genetic analysis of cytoskeletal proteins in development and implications for the membrane skeleton. Wolda SL, et al. **Semin Cell Biol** 1990 Oct;1(5):401–10 (91 ref.)
Role of the membrane-cytoskeleton in the spatial organization of the Na,K-ATPase in polarized epithelial cells. Nelson WJ, et al. **Soc Gen Physiol Ser** 1991;46:77–87 (26 ref.)
Restricted diffusion in photosynthetic membranes. Lavergne J, et al. **Trends Biochem Sci** 1991 Apr;16(4):129–34 (22 ref.)
[Current data of the membrane receptors of the vascular smooth muscle fibers] Stoclet JC. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:45–52 (30 ref.) (Eng. Abstr.) **(Fre)**
[Membrane biogenesis] Makurina ON. **Biol Nauki** 1991; (3):5–15 (47 ref.) (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

The effect of ionizing radiation on lipid membranes. Stark G. **Biochim Biophys Acta** 1991 Jul 22;1071(2):103–22 (117 ref.)
Effects of low-energy electromagnetic fields (pulsed and DC) on membrane signal transduction processes in biological systems. Luben RA. **Health Phys** 1991 Jul; 61(1):15–28 (88 ref.)

ULTRASTRUCTURE

Static and dynamic lipid asymmetry in cell membranes. Devaux PF. **Biochemistry** 1991 Feb 5;30(5):1163–73 (111 ref.)
Lipid polymorphism of model and cellular membranes as revealed by electron microscopy. Borovyagin VL, et al. **Electron Microsc Rev** 1989;2(1):75–115 (120 ref.)
Interaction of intermediate filaments with nuclear lamina and cell periphery. French SW, et al. **Electron Microsc Rev** 1989;2(1):17–51 (83 ref.)
Artificial biological membrane ultrastructural changes caused by freezing. Fujikawa S. **Electron Microsc Rev** 1988; 1(1):113–40 (118 ref.)
Freeze fracture studies of membrane lipids. Hui SW. **Electron Microsc Rev** 1988;1(2):351–70 (38 ref.)
Strategy and tactics in electron microscopy of cell surfaces. Nermut MV. **Electron Microsc Rev** 1989;2(1):171–96 (96 ref.)
The structure of the mycobacterial cell envelope is not yet understood. Draper P. **Res Microbiol** 1991 May; 142(4):420–2 (21 ref.)
[Properties of the cell surface of normal and malignant cells: investigations on polysialic acid and terminal sialic acid residues in specific linkages] Roth J, et al. **Verh Dtsch Ges Pathol** 1990;74:186–95 (75 ref.) (Eng. Abstr.) **(Ger)**

CELL MEMBRANE COATED PITS see **COATED PITS, CELL MEMBRANE**

CELL MEMBRANE LIPIDS see **MEMBRANE LIPIDS**

CELL MEMBRANE PERMEABILITY

Properties of permeation pathways induced in the human red cell membrane by malaria parasites [see comments] Cabantchik ZI. **Blood Cells** 1990;16(2–3):421–32 (27 ref.) Comment in: Blood Cells 1990;16(2–3):433–6.
Transmembrane communication and disease. Pasternak CA. **Indian J Biochem Biophys** 1990 Dec;27(6):363–4 (26 ref.)
Cell-penetrating inhibitors of calpain. Mehdi S. **Trends Biochem Sci** 1991 Apr;16(4):150–3 (27 ref.)
[Ion transport dysfunction in mucoviscidosis. Current status] Frömter E. **Pneumologie** 1990 Oct;44(10):1144–6 (24 ref.) **(Ger)**
[Studies on the outer membrane permeability of bacteria] Nakae T. **Nippon Saikingaku Zasshi** 1990 Jul;45(4):777–84 (40 ref.) **(Jpn)**

DRUG EFFECTS

Steroidogenesis and ionic permeability in adrenal glomerulosa cells. Marusic ET, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):171–6 (20 ref.)

PHYSIOLOGY

The measuring of "respiratory-membrane permeability" and local production of immunoglobulins and antibodies by means of an analysis of sputum. van de Graaf EA, et al. **Agents Actions Suppl** 1990;30:257–67 (27 ref.)
Ionic mechanisms regulating sodium entry into vascular smooth muscle. Bobik A, et al. **Clin Exp Pharmacol Physiol** 1991 Feb;18(2):117–20 (27 ref.)
Permeability of the mycobacterial cell wall. Nikaido H, et al. **Res Microbiol** 1991 May;142(4):437–43 (34 ref.)

CELL MEMBRANE PROTEINS see **MEMBRANE PROTEINS**

CELL MIGRATION INHIBITION

[Leukocyte migration inhibition test in celiac disease] Horváth K, et al. **Orv Hetil** 1990 Nov 11;131(45):2471–4 (23 ref.) (Eng. Abstr.) **(Hun)**

CELL MOVEMENT

The migratory capacity of the external auditory canal epithelium. A critical minireview. Broekaert D. **Acta Otorhinolaryngol Belg** 1990;44(4):385–92 (42 ref.)
Models for receptor-mediated cell phenomena: adhesion and migration. Lauffenburger DA. **Annu Rev Biophys Biophys Chem** 1991;20:387–414 (124 ref.)
Regulation of cell movement: the motogenic cytokines. Stoker M, et al. **Biochim Biophys Acta** 1991 Apr 16; 1072(1):81–102 (164 ref.)
Cytokines and cell motility: an overview. Goldberg I. **Cancer Invest** 1990;8(6):645–6 (14 ref.)
Cell motility in angiogenesis and tumor metastasis. Zetter BR. **Cancer Invest** 1990;8(6):669–71 (20 ref.)
Differential roles of multiple adhesion molecules in cell migration: granule cell migration in cerebellum. Chuong CM. **Experientia** 1990 Sep 15;46(9):892–9 (71 ref.)
Neuronal growth cone migration. Devoto SH. **Experientia** 1990 Sep 15;46(9):916–22 (69 ref.)
Migratory patterns of clonally related cells in the developing central nervous system. Gray GE, et al. **Experientia** 1990 Sep 15;46(9):929–40 (74 ref.)
Mechanisms of glial-guided neuronal migration in vitro and in vivo. Hatten ME, et al. **Experientia** 1990 Sep 15; 46(9):907–16 (63 ref.)
Extracellular matrix and neuronal movement. Liesi P. **Experientia** 1990 Sep 15;46(9):900–7 (85 ref.)
Principles of neural cell migration. Rakic P. **Experientia** 1990 Sep 15;46(9):882–91 (68 ref.)
Cell lineage and cell migration in the developing cerebral cortex. Walsh C, et al. **Experientia** 1990 Sep 15;46(9):940–7 (104 ref.)
Antibodies against vertebrate microfilament proteins in the analysis of cellular motility and adhesion. Jockusch BM, et al. **J Cell Sci Suppl** 1991;14:41–7 (20 ref.)
The use of native thick filaments in in vitro motility assays. Sellers JR, et al. **J Cell Sci Suppl** 1991;14:67–71 (31 ref.)
Molecular genetics of cell migration: Dictyostelium as a model system. Egelhoff TT, et al. **Trends Genet** 1991 May; 7(5):161–6 (49 ref.)

PHYSIOLOGY

The role of actin polymerization in cell motility. Cooper JA. **Annu Rev Physiol** 1991;53:585–605 (113 ref.)
Genetic alteration of proteins in actin-based motility systems. Gerisch G, et al. **Annu Rev Physiol** 1991;53:607–28 (78 ref.)
Role of cell-matrix contacts in cell migration and epithelial-mesenchymal transformation. Hay ED. **Cell Differ Dev** 1990 Dec 2;32(3):367–75 (40 ref.)
Plasminogen receptors in the mediation of pericellular proteolysis. Plow EF, et al. **Cell Differ Dev** 1990 Dec 2; 32(3):293–8 (34 ref.)
Cell locomotion: new research tests old ideas on membrane and cytoskeletal flow. Heath JP, et al. **Cell Motil Cytoskeleton** 1991;18(4):245–57 (106 ref.)
Association of motor proteins with membranes. Schroer TA. **Curr Opin Cell Biol** 1991 Feb;3(1):133–7 (35 ref.)
Cell motility and the extracellular matrix. Zetter BR, et al. **Curr Opin Cell Biol** 1990 Oct;2(5):850–6 (19 ref.)
Growth factors and cell movement. Gherardi E. **Eur J Cancer** 1991;27(4):403–5 (18 ref.)
Reconstitution of active movement in vitro based on the

actin–myosin interaction. Higashi–Fujime S. **Int Rev Cytol** 1991;125:95–138 (174 ref.)
Modes of cell migration in the vertebrate embryo. Levi G, et al. **Int Rev Cytol** 1990;123:201–52 (357 ref.)
The bacterial flagellar motor. Blair DF. **Semin Cell Biol** 1990 Apr;1(2):75–85 (84 ref.)
Chemoattractant stimulation of polymorphonuclear leucocyte locomotion. Cassimeris L, et al. **Semin Cell Biol** 1990 Apr;1(2):125–34 (73 ref.)
Mechanisms of excitation and adaptation in Dictyostelium. Pitt GS, et al. **Semin Cell Biol** 1990 Apr;1(2):99–104 (25 ref.)

CELL NUCLEOLUS

METABOLISM

Localization of nucleolar chromatin by immunocytochemistry and in situ hybridization at the electron microscopic level. Thiry M, et al. **Electron Microsc Rev** 1991;4(1):85–110 (118 ref.)
News from the nucleolus: rRNA gene expression. Sollner–Webb B, et al. **Trends Biochem Sci** 1991 Feb; 16(2):58–62 (49 ref.)

ULTRASTRUCTURE

Interpreting nucleolar structure: where are the transcribing genes? Jordan EG. **J Cell Sci** 1991 Apr;98 (Pt 4):437–42 (59 ref.)

CELL NUCLEUS

see related
CELL COMPARTMENTATION

Transforming collaborations between ras and nuclear oncogenes. Ruley HE. **Cancer Cells** 1990 Aug–Sep; 2(8–9):258–68 (106 ref.)
The nuclear genomes of hypotrichous ciliates: maintaining the maximum and the minimum of information. Jahn CL. **J Protozool** 1991 May–Jun;38(3):252–8 (58 ref.)

ENZYMOLOGY

Nuclear glutathione transferases which detoxify irradiated DNA. Ketterer B, et al. **Adv Exp Med Biol** 1990;264:301–10 (35 ref.)
Possible mechanism of nuclear translocation of proteasomes. Tanaka K, et al. **FEBS Lett** 1990 Oct 1;271(1–2):41–6 (58 ref.)

IMMUNOLOGY

[Nuclear antigens detectable with human autoantibodies] Semenov MV. **Tsitologiia** 1990;32(10):965–76 (117 ref.) (Eng. Abstr.) **(Rus)**

METABOLISM

The Egr family of nuclear signal transducers. Sukhatme VP. **Am J Kidney Dis** 1991 Jun;17(6):615–8 (20 ref.)
The glucocorticoid receptor. Muller M, et al. **Biochim Biophys Acta** 1991 Feb 16;1088(2):171–82 (113 ref.)
How proteins enter the nucleus. Silver PA. **Cell** 1991 Feb 8;64(3):489–97 (79 ref.)
How do bacterial nuclei divide? Sargent MG. **Microbiol Sci** 1985 Aug;2(8):235–9 (35 ref.)

PHYSIOLOGY

How many pols does it take to replicate nuclear DNA? Linn S. **Cell** 1991 Jul 26;66(2):185–7 (29 ref.)
Nuclear import–export: in search of signals and mechanisms. Nigg EA, et al. **Cell** 1991 Jul 12;66(1):15–22 (35 ref.)
Postmitotic nuclear reorganization events analyzed in living cells. Benavente R. **Chromosoma** 1991 May;100(4):215–20 (39 ref.)
Nuclear oncogenes. Ghysdael J, et al. **Curr Opin Cell Biol** 1991 Jun;3(3):484–91 (92 ref.)
Origins of replication: timing and chromosomal position. Hamlin JL, et al. **Curr Opin Cell Biol** 1991 Jun;3(3):414–21 (47 ref.)
Nuclear RNA processing. Lamond AI. **Curr Opin Cell Biol** 1991 Jun;3(3):493–501 (52 ref.)
Copy number control in the Tetrahymena macronuclear genome. Larson DD, et al. **J Protozool** 1991 May–Jun; 38(3):258–63 (55 ref.)
Evolution of amitosis of the ciliate macronucleus: gain of the capacity to divide. Orias E. **J Protozool** 1991 May–Jun; 38(3):217–21 (29 ref.)
Nuclear oncoproteins. Introduction: the great nuclear debate. Evan GI. **Semin Cancer Biol** 1990 Dec;1(6):351–8 (39 ref.)
Assembly of the cell nucleus. Laskey RA, et al. **Trends Genet** 1990 Dec;6(12):406–10 (32 ref.)
Long-term survival of anucleate axons and its implications for nerve regeneration. Bittner GD. **Trends Neurosci** 1991 May;14(5):188–93 (66 ref.)
[Molecular mechanisms of the effect of estradiol (the latest concept)] Sergeev PV, et al. **Vestn Akad Med Nauk SSSR** 1990;(6):57–62 (63 ref.) **(Rus)**

TRANSPLANTATION

Cloning embryos by nuclear transfer. Prather RS, et al. **J Reprod Fertil Suppl** 1990;41:125–34 (72 ref.)

ULTRASTRUCTURE

Sperm nuclear stability and male infertility. Jager S. **Arch Androl** 1990;25(3):253–9 (48 ref.)
The nucleoskeleton and the topology of replication. Cook PR. **Cell** 1991 Aug 23;66(4):627–35 (71 ref.)
Principles of nuclear organization. de Jong L, et al. **Cell Biol Int Rep** 1990 Dec;14(12):1051–74 (99 ref.)
Retinobenzoic acids and nuclear retinoic acid receptors. Hashimoto Y. **Cell Struct Funct** 1991 Apr;16(2):113–23 (30 ref.)
Immunocytochemistry of the cell nucleus. Raška I, et al. **Electron Microsc Rev** 1990;3(2):301–53 (274 ref.)
Chromosome topology in mammalian interphase nuclei. Haaf T, et al. **Exp Cell Res** 1991 Feb;192(2):325–32 (87 ref.)
Genomic imprinting and nuclear totipotency during embryonic development. Howlett SK. **Int Rev Cytol** 1991; 127:175–92 (76 ref.)
On variables that affect estimates of the true sizes and densities of radioactively labeled cell nuclei. Clark SJ, et al. **J Comp Neurol** 1990 Nov 1;301(1):114–22 (15 ref.)
Nuclear architecture in plants. Heslop–Harrison JS, et al. **Trends Genet** 1990 Dec;6(12):401–5 (34 ref.)
The functional organization of chromosomes and the nucleus—a special issue. Stewart A. **Trends Genet** 1990 Dec;6(12):377–9 (13 ref.)
[Chondroosteoid breast tumor with multi-nucleated giant cells. Case report and review of the literature] Oemus K, et al. **Pathologe** 1990 Sep;11(5):307–12 (29 ref.) **(Ger)**

CELL RECEPTORS see **RECEPTORS, ENDOGENOUS SUBSTANCES**

CELL SEGREGATION see **CELL SEPARATION**

CELL SENESCENCE see **CELL SURVIVAL**

CELL SEPARATION

see related
BLOOD COMPONENT REMOVAL
PLASMAPHERESIS

METHODS

Immunomagnetic purging of bone marrow: a model for negative cell selection. Pole JG, et al. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):257–61 (15 ref.)
Flow cytometry and cell–separation procedures. Battye FL, et al. **Curr Opin Immunol** 1991 Apr;3(2):238–41 (30 ref.)
Dissociation of cells from solid tumors. Cerra R, et al. **Methods Cell Biol** 1990;33:1–12 (27 ref.)

CELL SURFACE ANTIGENS see **ANTIGENS, SURFACE**

CELL SURFACE GLYCOPROTEINS see **MEMBRANE GLYCOPROTEINS**

CELL SURFACE PROTEINS see **MEMBRANE PROTEINS**

CELL SURVIVAL

Further thoughts on 'cell kill' in acute leukemia. Arlin ZA, et al. **Acta Haematol** 1991;85(1):1–5 (23 ref.)
Cell proliferation, cell death and aging. Franceschi C. **Aging (Milano)** 1989;1(1):3–15 (90 ref.)
Cell proliferation, cell death and aging. Franceschi C. **Aging (Milano)** 1989 Jun;1:1–13 (89 ref.)
Oxidant–induced cytotoxicity: a challenge for metabolic modulation [comment] Berger NA. **Am J Respir Cell Mol Biol** 1991 Jan;4(1):1–3 (13 ref.) Comment on: Am J Respir Cell Mol Biol 1991 Jan;4(1):4–10.
Cell death via apoptosis and its relationship to growth, development and differentiation of both tumour and normal cells. Cotter TG, et al. **Anticancer Res** 1990 Sep–Oct; 10(5A):1153–9 (36 ref.)
Programmed cell death: apoptosis and oncogenesis. Williams GT. **Cell** 1991 Jun 28;65(7):1097–8 (21 ref.)
The role of calcium in lethal cell injury. Farber JL. **Chem Res Toxicol** 1990 Nov–Dec;3(6):503–8 (37 ref.)
The role of Ca2+ in cell killing. Nicotera P, et al. **Chem Res Toxicol** 1990 Nov–Dec;3(6):484–94 (116 ref.)
Review of the current status of calcium and thiols in cellular injury. Reed DJ. **Chem Res Toxicol** 1990 Nov–Dec; 3(6):495–502 (94 ref.)
Cytotoxic mechanism of tumor necrosis factor–alpha. Larrick JW, et al. **FASEB J** 1990 Nov;4(14):3215–23 (79 ref.)
Cell dysfunction and depletion in AIDS: the programmed cell death hypothesis. Ameisen JC, et al. **Immunol Today** 1991 Apr;12(4):102–5 (50 ref.)
Apoptosis: mechanisms and roles in pathology. Arends MJ, et al. **Int Rev Exp Pathol** 1991;32:223–54 (142 ref.)
Killer polyamines? Coffino P, et al. **J Cell Biochem** 1991 Jan; 45(1):54–8 (24 ref.)
Cellular senescence: a reflection of normal growth control, differentiation, or aging? Peacocke M, et al. **J Cell Biochem** 1991 Feb;45(2):147–55 (83 ref.)
Target dependence of motoneuronal survival: the current status. Kuno M. **Neurosci Res** 1990 Dec;9(3):155–72 (175 ref.)
[Apoptotic program in hyperthermia] Honma T. **Nippon Rinsho** 1991 May;49(5):1172–8 (47 ref.) **(Jpn)**

DRUG EFFECTS

Redox parameters associated to cytotoxic and antitumor activities in the series of antitumor drugs ellipticines and derivatives. Auclair C. **Adv Exp Med Biol** 1990;264:317–22 (27 ref.)
New roles of carnitine metabolism in ammonia cytotoxicity. O'Connor JE, et al. **Adv Exp Med Biol** 1990;272:183–95 (36 ref.)
Cell population depletion associated with fetal alcohol brain damage: mechanisms of BAC–dependent cell loss. West JR, et al. **Alcohol Clin Exp Res** 1990 Dec;14(6):813–8 (44 ref.)
Growth factors and cell aging. Phillips PD, et al. **Annu Rev Gerontol Geriatr** 1990;10:43–52 (33 ref.)
Role of metal ions in oxidant cell injury. Cantoni O, et al. **Biol Trace Elem Res** 1989 Jul–Sep;21:277–81 (20 ref.)
Effects of lanthanum in cellular systems. A review. Das T, et al. **Biol Trace Elem Res** 1988 Dec;18:201–28 (222 ref.)
Multiple mechanisms of vanadate–induced cell killing. Richelmi P, et al. **Biol Trace Elem Res** 1989 Jul–Sep; 21:331–5 (15 ref.)
Drug–target interactions: only the first step in the commitment to a programmed cell death? Dive C, et al. **Br J Cancer** 1991 Jul;64(1):192–6 (78 ref.)
Activation of programmed cell death by anticancer agents: cisplatin as a model system. Eastman A. **Cancer Cells** 1990 Aug–Sep;2(8–9):275–80 (30 ref.)
Photosensitization of cultured cells and viruses by pyrene lipids. Gatt S, et al. **Indian J Biochem Biophys** 1990 Dec; 27(6):359–62 (23 ref.)
Keynote address: modulation of normal tissue toxicity by combined modality therapy: considerations for improving the therapeutic gain. Stewart FA. **Int J Radiat Oncol Biol Phys** 1991 Feb;20(2):319–25 (65 ref.)
Review: gene amplification—a cellular response to genotoxic stress. Lüke–Huhle C. **Mol Toxicol** 1989 Oct–Dec; 2(4):237–53 (52 ref.)
[Molecular mechanisms of cytotoxicity of narcotic drugs] Pirozhkov SV, et al. **Vopr Med Khim** 1991 Mar–Apr; 37(2):2–10 (66 ref.) **(Rus)**

GENETICS

Cellular aging and senescence. McCormick A, et al. **Curr Opin Cell Biol** 1991 Apr;3(2):230–4 (30 ref.)

PHYSIOLOGY

Role of calcium in toxic and programmed cell death. Orrenius S, et al. **Adv Exp Med Biol** 1991;283:419–25 (22 ref.)
Lipofuscin as an indicator of oxidative stress and aging. Sohal RS, et al. **Adv Exp Med Biol** 1989;266:17–26; discussion 27–9 (24 ref.)
Role of endogenous proteins as negative growth modulators during in vitro cellular aging of human diploid fibroblasts. Porter MB, et al. **Annu Rev Gerontol Geriatr** 1990;10:53–70 (103 ref.)
Cell death during development of the nervous system. Oppenheim RW. **Annu Rev Neurosci** 1991;14:453–501 (288 ref.)
The biochemistry of cell death by apoptosis. Bursch W, et al. **Biochem Cell Biol** 1990 Sep;68(9):1071–4 (15 ref.)
The cellular measurement of time. Groves AK, et al. **Curr Opin Cell Biol** 1991 Apr;3(2):224–9 (54 ref.)
How can free radicals cause damage to hepatic cells. A multidisciplinary approach. Varga M. **Drug Alcohol Depend** 1991 Mar;27(2):117–9 (21 ref.)
Misincorporation of uracil into DNA as possible contributor to neuronal aging and abiotrophy. Mazzarello P, et al. **Int J Neurosci** 1990 Feb;50(3–4):169–74 (39 ref.)
Hypothesis: synthetic aging antigen can be used to manipulate cellular lifespan. Kay MM, et al. **Life Sci** 1991; 48(17):1603–8 (31 ref.)
Apoptosis or programmed cell death. Waring P, et al. **Med Res Rev** 1991 Mar;11(2):219–36 (151 ref.)
Death by suicide: one way to go in mammalian cellular development? Ucker DS. **New Biol** 1991 Feb;3(2):103–9 (45 ref.)
A view to a kill: cytotoxic mechanisms of human polymorphonuclear leukocytes compared with monocytes and natural killer cells. van Kessel KP, et al. **Pathobiology** 1990;58(5):249–64 (150 ref.)
[Standardized in vitro models for the characterization of shockwaves] Brümmer F, et al. **Biomed Tech (Berlin)** 1990; 35 Suppl 3:237–8 (21 ref.) **(Ger)**
[Apoptosis—controlled death of the cell] Berezhkov NV. **Arkh Anat Gistol Embriol** 1990 Dec;99(12):68–77 (110 ref.) **(Rus)**

RADIATION EFFECTS

DNA double–strand breaks: their repair and relationship to cell killing in yeast. Frankenberg–Schwager M, et al. **Int J Radiat Biol** 1990 Oct;58(4):569–75 (26 ref.)
Keynote address: modulation of normal tissue toxicity by combined modality therapy: considerations for improving the therapeutic gain. Stewart FA. **Int J Radiat Oncol Biol Phys** 1991 Feb;20(2):319–25 (65 ref.)

Pathologic analysis of photothermal and photomechanical effects of laser–tissue interactions. Thomsen S. **Photochem Photobiol** 1991 Jun;53(6):825–35 (55 ref.)
The ESTRO Breur lecture. Cellular sensitivity to low dose–rate irradiation focuses the problem of tumour radioresistance. Steel GG. **Radiother Oncol** 1991 Feb; 20(2):71–83 (45 ref.)
[The biological action of low–level radiation] Gotlib VIa, et al. **Radiobiologiia** 1991 May–Jun;31(3):318–25 (19 ref.) (Eng. Abstr.) **(Rus)**

CELL TRANSFORMATION, NEOPLASTIC

see related

ANTIGENS, DIFFERENTIATION

The role of protein kinase C in growth control and the concept of carcinogenesis as a progressive disorder in signal transduction. Weinstein IB. **Adv Second Messenger Phosphoprotein Res** 1990;24:307–16 (25 ref.)
Gliomatosis peritonei with malignant transformation: a case report and review of the literature. Shefren G, et al. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 1):1617–20; discussion 1620–1 (10 ref.)
Relation between carcinogenesis, chromatin structure and poly(ADP–ribosylation) (review). Boulikas T. **Anticancer Res** 1991 Mar–Apr;11(2):489–527 (410 ref.)
The transition of benign to malignant in epithelial and mesenchymal tumours. Koten JW, et al. **Anticancer Res** 1991 Mar–Apr;11(2):567–8 (4 ref.)
Colorectal carcinogenesis: sequential steps in the in vitro immortalization and transformation of human colonic epithelial cells (review). Paraskeva C, et al. **Anticancer Res** 1990 Sep–Oct;10(5A):1189–200 (66 ref.)
Repair of O4–alkylthymine damage in human cells. Wani AA, et al. **Basic Life Sci** 1990;53:417–35 (84 ref.)
Defining the molecular mechanisms of human cell immortalization. Shay JW, et al. **Biochim Biophys Acta** 1991 Apr 16;1072(1):1–7 (51 ref.)
Transforming growth factor–alpha: an oncodevelopmental growth factor. Salomon DS, et al. **Cancer Cells** 1990 Dec; 2(12):389–97 (65 ref.)
Viral oncogenesis and the immune system. Rapp F, et al. **Cancer Detect Prev** 1990;14(4):437–44 (75 ref.)
Extracellular matrix metalloproteinases in tumor invasion and metastasis. Goldberg GI, et al. **Cancer Treat Res** 1991; 53:421–40 (119 ref.)
Growth factors regulating normal and malignant melanocytes. Halaban R. **Cancer Treat Res** 1991;54:19–40 (116 ref.)
The conversion stage of skin carcinogenesis. Marks F, et al. **Carcinogenesis** 1990 Dec;11(12):2085–92 (100 ref.)
Growth factors in development, transformation, and tumorigenesis. Cross M, et al. **Cell** 1991 Jan 25;64(2):271–80 (103 ref.)
Tumor suppressor genes. Marshall CJ. **Cell** 1991 Jan 25; 64(2):313–26 (151 ref.)
The structure and function of the fos proto–oncogene. Cohen DR, et al. **Crit Rev Oncog** 1989;1(1):65–88 (190 ref.)
Malignant transformation of cells by DNA viruses: adenovirus DNA integration in the mammalian genome. Doerfler W. **Crit Rev Oncog** 1989;1(2):211–9 (55 ref.)
Tumor–suppressor genes of Drosophila melanogaster. Gateff E, et al. **Crit Rev Oncog** 1989;1(2):221–45 (168 ref.)
Fibroblast growth factor. Gospodarowicz D. **Crit Rev Oncog** 1989;1(1):1–26 (335 ref.)
Thyroid hormone and neoplastic transformation. Guernsey DL, et al. **Crit Rev Oncog** 1990;1(4):389–408 (117 ref.)
In vitro cell transformation by ras oncogenes. Spandidos DA, et al. **Crit Rev Oncog** 1989;1(2):195–209 (229 ref.)
Modulating factors in the expression of radiation–induced oncogenic transformation. Hall EJ, et al. **Environ Health Perspect** 1990 Aug;88:149–55 (26 ref.)
Mechanism of homeostatic regulation of tissue growth and reversion of transformed cells to nonmalignancy: a yin–yang problem. Chany C. **J Interferon Res** 1990 Oct; 10(5):453–9 (38 ref.)
Glioma malignancy and its biological and histological correlates. Schiffer D. **J Neurosurg Sci** 1990 Jul–Dec; 34(3–4):163–5 (22 ref.)
Relationship between clonality and transformation in acute leukemia. Butturini A, et al. **Leuk Res** 1991;15(1):1–7 (44 ref.)
DNA methylation in eukaryotic chromosome stability. Smith SS. **Mol Carcinog** 1991;4(2):91–2 (8 ref.)
Review: gene amplification––a cellular response to genotoxic stress. Lüke–Huhle C. **Mol Toxicol** 1989 Oct–Dec; 2(4):237–53 (52 ref.)
Xeroderma pigmentosum: review and report of a case. Patton LL, et al. **Oral Surg Oral Med Oral Pathol** 1991 Mar; 71(3):297–300 (24 ref.)
AP1, a composite transcription factor implicated in abnormal growth control. Imler JL, et al. **Prog Growth Factor Res** 1989;1(2):69–77 (49 ref.)
Cellular receptors of hormones and nonhormone ligands in normal and malignant cells. Dietel M, et al. **Recent Results Cancer Res** 1990;118:1–18 (83 ref.)
The old and the new in transformed cell signalling: glycolysis, diacylglycerol and protein kinase C. Chiarugi V, et al. **Second Messengers Phosphoproteins** 1990; 13(1):69–85 (86 ref.)
The Armitage–Doll multistage model of carcinogenesis. Day NE. **Stat Med** 1990 Jun;9(6):677–9 (11 ref.)
How does p21ras transform cells? Marshall CJ. **Trends Genet** 1991 Mar;7(3):91–5 (43 ref.)
[Tumor suppressor genes: identification and role in malignant transformation] Schäfer R, et al. **Verh Dtsch Ges Pathol** 1990;74:328–34 (43 ref.) (Eng. Abstr.) **(Ger)**
[Benign (reactive) lymphoproliferation or malignant lymphoma?] Wilms K. **Z Gesamte Inn Med** 1991 Mar; 46(3):53–8 (15 ref.) (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Carcinogenesis studies in human epithelial tissues and cells in vitro: emphasis on serum–free culture conditions and transformation studies. Grafström RC. **Acta Physiol Scand Suppl** 1990;592:93–133 (232 ref.)
Human mammary epithelial cells in culture: differentiation and transformation. Stampfer MR, et al. **Cancer Treat Res** 1988;40:1–24 (45 ref.)
Aberrant crypt foci in the detection of colon carcinogens. Bruce WR. **Prog Clin Biol Res** 1990;347:129–37 (24 ref.)
Analysis of modifying factors in chemical carcinogenesis. Cohen SM. **Prog Exp Tumor Res** 1991;33:21–40 (88 ref.)

CHEMISTRY

Free–radical processes in multistage carcinogenesis. Borek C. **Free Radic Res Commun** 1991;12–13 Pt 2:745–50 (12 ref.)

DRUG EFFECTS

Effects of carotenoids in cellular and animal systems. Krinsky NI. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):238S–246S (64 ref.)
Premalignant lesions: role of antioxidant vitamins and beta–carotene in risk reduction and prevention of malignant transformation. Singh VN, et al. **Am J Clin Nutr** 1991 Jan; 53(1 Suppl):386S–390S (57 ref.)
Mechanisms of arsenic–induced cell transformation. Barrett JC, et al. **Biol Trace Elem Res** 1989 Jul–Sep;21:421–9 (33 ref.)
Molecular and cellular mechanisms of transformation of C3H/10T1/2 Cl 8 and diploid human fibroblasts by unique carcinogenic, nonmutagenic metal compounds. A review. Landolph JR. **Biol Trace Elem Res** 1989 Jul–Sep;21:459–67 (34 ref.)
Hormonal manipulation of human hepatocellular carcinoma. A clinical investigative and therapeutic opportunity. Carr BI, et al. **J Hepatol** 1990 Nov;11(3):287–9 (30 ref.)
Vitamin D: a modulator of cell proliferation and differentiation. Pols HA, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):873–6 (31 ref.)
Mitogenesis and the search for new targets for anticancer drug design. Reeve JG. **Tumour Biol** 1991;12(1):1–8 (40 ref.)
[Natural anti–mutagenic and anti–carcinogenic substances] Rahden–Staroń I. **Postepy Biochem** 1990;36(3–4):16–22 (54 ref.) **(Pol)**

GENETICS

Transforming activity of bovine and human papillomaviruses in cultured cells. DiMaio D. **Adv Cancer Res** 1991; 56:133–59 (139 ref.)
Transcriptional control and cellular transformation. Groner B. **Ann Oncol** 1990 Sep;1(5):321–5 (43 ref.)
Hepatitis B virus related hepatocellular carcinoma: chronicity of infection––the opening to different pathways of malignant transformation? Schröder CH, et al. **Biochim Biophys Acta** 1990 Dec 11;1032(2–3):137–56 (174 ref.)
The role of recombinational hotspots in genome instability in mammalian cells. Murnane JP. **Bioessays** 1990 Dec; 12(12):577–81 (62 ref.)
Oncogenes, oncogenesis, and oxygen radicals. Sahu SC. **Biomed Environ Sci** 1990 Jun;3(2):183–201 (157 ref.)
Transforming collaborations between ras and nuclear oncogenes. Ruley HE. **Cancer Cells** 1990 Aug–Sep; 2(8–9):258–68 (106 ref.)
Transformation injury and the unicellular phenotype of malignant cells. Frost P, et al. **Cancer Metastasis Rev** 1990 Jul;9(1):93–8 (19 ref.)
Suppressors of the malignant phenotype. Mikkelsen T, et al. **Cell Growth Differ** 1990 Apr;1(4):201–7 (102 ref.)
Retroviral oncogenes: interrelationships between neoplastic transformation and cell differentiation. Auersperg N, et al. **Crit Rev Oncog** 1991;2(2):125–60 (321 ref.)
Oncogenes and tumor suppressor genes in human lung carcinogenesis. Iman DS, et al. **Crit Rev Oncog** 1991; 2(2):161–71 (111 ref.)
Immortalization and malignant transformation of differentiated cells by oncogenes in vitro and in transgenic mice. Paul D, et al. **Crit Rev Oncog** 1989;1(3):307–21 (175 ref.)
Defining the mechanisms of transformation through analysis of revertant cells. Bassin RH, et al. **Immunol Ser** 1990; 51:15–47 (67 ref.)
Reversion and rereversion in ras–transformed cells. Marshall CJ. **Immunol Ser** 1990;51:89–106 (81 ref.)
Role of the human papillomavirus oncoproteins in transformation and carcinogenic progression. Werness BA, et al. **Important Adv Oncol** 1991;:3–18 (190 ref.)
The p53 tumor suppressor gene and gene product. Levine AJ. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:221–30 (53 ref.)
Hormonal steroids act as tumour promoters by modulating oncogene expression [editorial] Sekeris CE. **J Cancer Res Clin Oncol** 1991;117(2):96–101 (30 ref.)
The role of differentiation in the suppression of malignancy. Harris H. **J Cell Sci** 1990 Sep;97 (Pt 1):5–10 (60 ref.)
The molecules of cancer. The Watson Smith lecture 1990. Sikora K. **J R Coll Physicians Lond** 1990 Jul;24(3):196–205 (59 ref.)
Overview: genes that predispose to cancer. Knudson AG Jr. **Mutat Res** 1991 Apr;247(2):185–90 (13 ref.)
The significance of retroviruses in oncology. Leib–Mösch C, et al. **Onkologie** 1990 Dec;13(6):405–14 (95 ref.)
Oncogene activation and hepatocarcinogenesis. Strom SC, et al. **Pathobiology** 1990;58(3):153–67 (82 ref.)
The myc gene family proteins and their role in transformation and differentiation. Ingvarsson S. **Semin Cancer Biol** 1990 Dec;1(6):359–69 (91 ref.)
[Oncogenes and tumor suppressor genes: genetic changes mark the adenoma–carcinoma sequence] Schmiegel WH. **Internist (Berl)** 1991 Jun;32(6):315–20 (55 ref.) **(Ger)**
[Molecular biology studies of bladder cancer] Bringuier PP, et al. **Urologe [A]** 1991 May;30(3):167–71 (56 ref.) (Eng. Abstr.) **(Ger)**
[Oncogenic transformation by the tax gene of HTLV–I] Hatanaka M. **Nippon Rinsho** 1990 Oct;48(10):2431–41 (25 ref.) **(Jpn)**
[Hereditary memory: genomic imprinting and its importance for embryonal development and carcinogenesis] Ohlsson R, et al. **Lakartidningen** 1991 Mar 20;88(12):1087–90 (14 ref.) (Eng. Abstr.) **(Swe)**
[Chemoprevention of cancer. Epidemiology and basic research point to new directions] Holmberg SB, et al. **Nord Med** 1991;106(3):86–9 (15 ref.) (Eng. Abstr.) **(Swe)**

IMMUNOLOGY

Autocrine regulation of normal and malignant B lymphocytes. Gordon J, et al. **Adv Cancer Res** 1991; 56:313–34 (83 ref.)
[The antigenic divergence of tumor cells due to the expression of hetero–organic antigens as a manifestation of disordered differentiation in carcinogenesis] Fel' VIa. **Tsitologiia** 1990;32(5):407–21 (99 ref.) (Eng. Abstr.) **(Rus)**

METABOLISM

Oncogenes, oncogenesis, and oxygen radicals. Sahu SC. **Biomed Environ Sci** 1990 Jun;3(2):183–201 (157 ref.)
Transforming growth factor–beta and suppression of carcinogenesis. Sporn MB, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:259–66 (34 ref.)
The role of cathepsin L in malignant transformation. Kane SE, et al. **Semin Cancer Biol** 1990 Apr;1(2):127–36 (51 ref.)
Cell cycle analysis of normal and malignant lymphoid cells. Campana D, et al. **Turk J Pediatr** 1990 Apr–Jun; 32(2):135–41 (41 ref.)
[Proteases and tumor invasion] Burtin P, et al. **Pathol Biol (Paris)** 1990 Dec;38(10):1034–8 (28 ref.) (Eng. Abstr.) **(Fre)**
[The role of proteases in the growth, invasion and spread of cancer cells] Bugø L, et al. **Tidsskr Nor Laegeforen** 1990 Nov 30;110(29):3753–6 (19 ref.) (Eng. Abstr.) **(Nor)**
[The role of active forms of oxygen in cell differentiation, neoplasm promotion and aging] Sikora E. **Postepy Biochem** 1989;35(4):563–74 (83 ref.) **(Pol)**

PATHOLOGY

Leukemic transformation in myelodysplastic syndrome: a review. Yanuck MD, et al. **Ann Clin Lab Sci** 1991 May–Jun; 21(3):171–6 (41 ref.)
Adenocarcinoma arising in a foregut cyst of the mediastinum. Olsen JB, et al. **Ann Thorac Surg** 1991 Mar;51(3):497–9 (8 ref.)
Autocrine regulation of cell growth and transformation by basic fibroblast growth factor. Yayon A, et al. **Cancer Metastasis Rev** 1990 Nov;9(3):191–202 (94 ref.)
Current status of protein methylation in carcinogenesis. Duerre JA, et al. **Crit Rev Oncog** 1991;2(2):97–108 (157 ref.)
Platelet–derived growth factor and autocrine mechanisms of oncogenic processes. Heldin CH, et al. **Crit Rev Oncog** 1991;2(2):109–24 (184 ref.)
Malignant transformation of an osteoblastoma of the skull: an exceptional occurrence. Case report. Figarella–Branger D, et al. **J Neurosurg** 1991 Jul;75(1):138–42 (20 ref.)
Solid tumours and wounds: transformed cells misunderstood as injured tissue? Whalen GF. **Lancet** 1990 Dec 15; 336(8729):1489–92 (39 ref.)
Malignant fibrous histiocytoma in a recurrent thoracic chordoma: case report and literature review. Nanda A, et al. **Neurosurgery** 1991 Apr;28(4):588–92 (41 ref.)
Role of gap junctional cell/cell communication in the control of proliferation and neoplastic transformation. Bertram JS. **Radiat Res** 1990 Sep;123(3):252–6 (28 ref.)
[Papillomatosis between remission and malignant transformation––case reports and review of papillomatous tumors of the lower respiratory tract] Dobbertin I, et al.

Pneumologie 1990 Sep;44(9):1086–105 (111 ref.) **(Ger)**
[Tumor cell and stroma interaction] Nakazawa N, et al. **Nippon Ika Daigaku Zasshi** 1990 Oct;57(5):377–83 (60 ref.) **(Jpn)**
[Etiopathogenesis of Hodgkin's disease in the light of current studies] Smolewski P, et al. **Postepy Hig Med Dosw** 1989; 43(2–4):275–90 (107 ref.) (Eng. Abstr.) **(Pol)**

CELL TRANSFORMATION, VIRAL

see related
ANTIGENS, VIRAL, TUMOR

Abortive infection and malignant transformation by adenoviruses: integration of viral DNA and control of viral gene expression by specific patterns of DNA methylation. Doerfler W. **Adv Virus Res** 1991;39:89–128 (117 ref.)
Tumorigenesis by slow-transforming retroviruses--an update. van Lohuizen M, et al. **Biochim Biophys Acta** 1990 Dec 11;1032(2–3):213–35 (282 ref.)
Immortalization of primary cells by DNA tumor viruses. Linder S, et al. **Exp Cell Res** 1990 Nov;191(1):1–7 (101 ref.)
Molecular mechanisms of transformation by the human papillomaviruses. Howley PM, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:199–206 (37 ref.)
Host cell regulation of HPV transforming gene expression. zur Hausen H. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:207–19 (58 ref.)

GENETICS

Transforming activity of bovine and human papillomaviruses in cultured cells. DiMaio D. **Adv Cancer Res** 1991; 56:133–59 (139 ref.)
Transformation by herpesvirus saimiri. Trimble JJ, et al. **Adv Cancer Res** 1991;56:335–55 (119 ref.)
Transforming collaborations between ras and nuclear oncogenes. Ruley HE. **Cancer Cells** 1990 Aug–Sep; 2(8–9):258–68 (106 ref.)
Transforming properties of the HTLV–I tax gene. Weiss RA, et al. **Cancer Cells** 1990 Aug–Sep;2(8–9):281–3 (22 ref.)
Cellular proteins that are targetted by DNA tumor viruses for transformation. Dyson N, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:191–8 (53 ref.)

PHYSIOLOGY

Autocrine regulation of normal and malignant B lymphocytes. Gordon J, et al. **Adv Cancer Res** 1991; 56:313–34 (83 ref.)
Mechanism of homeostatic regulation of tissue growth and reversion of transformed cells to nonmalignancy: a yin–yang problem. Chany C. **J Interferon Res** 1990 Oct; 10(5):453–9 (38 ref.)
Cell alterations induced by the large T–antigens of SV40 and polyoma virus. Dilworth SM. **Semin Cancer Biol** 1990 Dec;1(6):407–14 (68 ref.)
Transformation by the human adenoviruses. Jones NC. **Semin Cancer Biol** 1990 Dec;1(6):425–35 (88 ref.)

CELL VIABILITY see **CELL SURVIVAL**

CELL WALL

CHEMISTRY

The carbohydrate– and lipid–containing cell wall of mycobacteria, phenolic glycolipids: structure and immunological properties. Puzo G. **Crit Rev Microbiol** 1990;17(4):305–27 (206 ref.)
Mycobacterial cell wall and pathogenicity: a lipodologist's view. Lanéelle G, et al. **Res Microbiol** 1991 May; 142(4):433–7 (23 ref.)
Chemical principles in the organization of lipid components in the mycobacterial cell envelope. Minnikin DE. **Res Microbiol** 1991 May;142(4):423–7 (9 ref.)

METABOLISM

Permeability of the mycobacterial cell wall. Nikaido H, et al. **Res Microbiol** 1991 May;142(4):437–43 (34 ref.)

PHYSIOLOGY

Studies on the role of the mycobacterial cell envelope in the multiple drug resistance of atypical mycobacteria. Hoffner SE, et al. **Res Microbiol** 1991 May;142(4):448–51 (11 ref.)
Structure, function and biogenesis of the cell envelope of mycobacteria in relation to bacterial physiology, pathogenesis and drug resistance; some thoughts and possibilities arising from recent structural information. McNeil MR, et al. **Res Microbiol** 1991 May;142(4):451–63 (66 ref.)
Recent observations concerning structure and function relationships in the mycobacterial cell envelope: elaboration of a model in terms of mycobacterial pathogenicity, virulence and drug–resistance. Rastogi N. **Res Microbiol** 1991 May;142(4):464–76 (54 ref.)
Structure–to–function relationship of mycobacterial cell envelope components. Takayama K, et al. **Res Microbiol** 1991 May;142(4):443–8 (37 ref.)

ULTRASTRUCTURE

Mechanical behaviour of bacterial cell walls. Thwaites JJ, et al. **Adv Microb Physiol** 1991;32:173–222 (90 ref.)
The superficial protein arrays on bacteria. Koval SF, et al. **Microbiol Sci** 1986 Dec;3(12):357–61 (20 ref.)
The structure of the mycobacterial cell envelope is not yet understood. Draper P. **Res Microbiol** 1991 May; 142(4):420–2 (21 ref.)

CELLOBIASES see **BETA–GLUCOSIDASES**

CELLOBIOSE

METABOLISM

The cellobiose permease of Escherichia coli consists of three proteins and is homologous to the lactose permease of Staphylococcus aureus. Reizer J, et al. **Res Microbiol** 1990 Nov–Dec;141(9):1061–7 (15 ref.)

CELLS

CHEMISTRY

The physical state of potassium ion in the living cell. Ling GN. **Scanning Microsc** 1990 Sep;4(3):737–50; discussion 750–68 (71 ref.)
Glycolipid transfer protein in animal cells. Sasaki T, et al. **Subcell Biochem** 1990;16:113–27 (53 ref.)

CYTOLOGY

The relative merits of direct morphometry of reconstructions of whole cells, and statistical morphometry by stereology of random sections of cells. Parsons DF, et al. **Cell Biophys** 1990 Dec;17(3):227–42 (35 ref.)
Retinoid–sensitive cells and cell lines. Amos B, et al. **Methods Enzymol** 1990;190:217–25 (102 ref.)
[The cell theory--history, present state and prospects (on the 150th anniversary of the development of the cell theory)] Polianskiĭ IuI. **Arkh Anat Gistol Embriol** 1990 Jul; 99(7):5–20 (85 ref.) (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Pharmacologic approach to tissue injury mediated by free radicals and other reactive oxygen metabolites. Reilly PM, et al. **Am J Surg** 1991 Apr;161(4):488–503 (101 ref.)
Mechanisms of oxidant injury of cells. Cochrane CG. **Mol Aspects Med** 1991;12(2):137–47 (27 ref.)

ENZYMOLOGY

Cellular functions of metallo–endoproteinases. Lennarz WJ, et al. **Biochim Biophys Acta** 1991 Jul 22;1071(2):149–58 (78 ref.)

METABOLISM

Application of immobilized growing cells. Tanaka A, et al. **Adv Biochem Eng Biotechnol** 1990;42:97–131 (147 ref.)
Nuclear magnetic resonance studies of cellular metabolism. Lundberg P, et al. **Anal Biochem** 1990 Dec;191(2):193–222 (330 ref.)
Optical method. Chance B. **Annu Rev Biophys Biophys Chem** 1991;20:1–28 (151 ref.)
Cellular magnesium and Na/Mg exchange in heart cells. Murphy E, et al. **Annu Rev Physiol** 1991;53:273–87 (83 ref.)
Oxygen–derived free radicals. Hinder RA, et al. **Arch Surg** 1991 Jan;126(1):104–5 (36 ref.)
The mutual interaction between cell volume and cell function: a new principle of metabolic regulation. Häussinger D, et al. **Biochem Cell Biol** 1991 Jan;69(1):1–4 (73 ref.)
Nuclear magnetic resonance spectroscopy of dense cell populations for metabolic studies and bioreactor engineering: a synergistic partnership. Dale BE, et al. **Biotechnology** 1991;17:107–18 (17 ref.)
Calpains (intracellular calcium–activated cysteine proteinases): structure–activity relationships and involvement in normal and abnormal cellular metabolism. Johnson P. **Int J Biochem** 1990;22(8):811–22 (186 ref.)
Regulation of the intracellular pH in the presence and absence of bicarbonate buffers. Cassel D, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec;1(1–4):393–8 (37 ref.)
Interactions of biospecific functional polymers with blood proteins and cells. Jozefonvicz J, et al. **J Biomater Sci Polym Ed** 1990;1(3):147–65 (61 ref.)
Extra– and intracellular transport of retinoids. Eriksson U. **Subcell Biochem** 1990;16:365–99 (136 ref.)
Intracellular and extracellular flow of dolichol. Van Dessel G, et al. **Subcell Biochem** 1990;16:227–78 (239 ref.)
[Free radicals and lipid peroxidation in cell biology: physiopathologic prospects] Emerit J, et al. **Pathol Biol (Paris)** 1991 Apr;39(4):316–27 (134 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

The molecular and cellular biology of platelet–derived growth factor. Westermark B. **Acta Endocrinol (Copenh)** 1990 Aug;123(2):131–42 (86 ref.)
Cell biology of atrial natriuretic peptide. Huot C, et al. **Blood Vessels** 1991;28(1–3):84–92 (50 ref.)
Cellular adaptation in the origin and development of cancer. Farber E, et al. **Cancer Res** 1991 Jun 1;51(11):2751–61 (129 ref.)
The cellular mechanism of circadian rhythms--a view on evidence, hypotheses and problems. Rensing L, et al. **Chronobiol Int** 1990;7(5–6):353–70 (149 ref.)
The importance of calcium regulation in toxic cell injury. Studies utilizing the technology of digital imaging fluorescence microscopy. Trump BF, et al. **Clin Lab Med** 1990 Sep;10(3):531–47 (38 ref.)
The role of membrane currents and potentials in cells. Apell HJ. **Curr Opin Cell Biol** 1990 Aug;2(4):708–13 (19 ref.)
Designer microenvironments for the analysis of cell and tissue function. Stoker AW, et al. **Curr Opin Cell Biol** 1990 Oct; 2(5):864–74 (29 ref.)
'Generic' physical mechanisms of morphogenesis and pattern formation. Newman SA, et al. **Development** 1990 Sep; 110(1):1–18 (126 ref.)
The tissue matrix: cell dynamics and hormone action. Getzenberg RH, et al. **Endocr Rev** 1990 Aug;11(3):399–417 (265 ref.)
Early transcriptional events in cell growth: the Egr family. Sukhatme VP. **J Am Soc Nephrol** 1990 Dec;1(6):859–66 (44 ref.)
Cellular harmonic information transfer through a tissue tensegrity–matrix system. Pienta KJ, et al. **Med Hypotheses** 1991 Jan;34(1):88–95 (80 ref.)
Cellular mechanisms in excitation–contraction coupling. Verrijk R, et al. **Pharmazie** 1990 Nov;45(11):818–23 (96 ref.)
Intracellular pH: functions and regulatory mechanism. Neştianu V, et al. **Rev Roum Physiol** 1990 Jan–Mar; 27(1):61–73 (60 ref.)
Initial events involved in cytomegalovirus–cell interactions. Mocarski ES Jr. **Transplant Proc** 1991 Jun;23(3 Suppl 3):43–7, discussion 47 (37 ref.)
[Biochemistry of cellular radiation reactions. An indication for ongoing protective mechanisms against oxidative cell damage] Günther K. **Naturwissenschaften** 1990 Sep; 77(9):412–20 (38 ref.) (Eng. Abstr.) **(Ger)**
[The present position of the theory of regeneration] Sarkisov DS. **Zentralbl Pathol** 1991;137(1):14–9 (10 ref.) (Eng. Abstr.) **(Ger)**
[The role of nutrition in cytoprotection] Segal B, et al. **Rev Med Chir Soc Med Nat Iasi** 1990 Jan–Mar;94(1):51–6 (22 ref.) **(Rum)**
[The role of water in cell function] Watterson JG. **Biofizika** 1991 Jan–Feb;36(1):5–30 (117 ref.) **(Rus)**
[The role of proto–oncogenes in fundamental manifestations of life] Seits IF. **Eksp Onkol** 1990;12(6):14–26 (71 ref.) (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Radiation, diagnosis, and management. Upton AC. **Cancer Detect Prev** 1991;15(3):241–7 (33 ref.)
DNA topoisomerases and radiation responses. Smith PJ. **Int J Radiat Biol** 1990 Oct;58(4):553–9 (39 ref.)

TRANSPLANTATION

Past progress and future trends in cell transplantation. Monahan JJ. **J Cell Biochem** 1991 Apr;45(4):317–8 (0 ref.)

ULTRASTRUCTURE

Radiation damage in soft X–ray microscopy of live mammalian cells. Shinohara K, et al. **J Microsc** 1991 Mar; 161 (Pt 3):463–72 (27 ref.)

CELLS, CULTURED

see related
DIFFUSION CHAMBERS, CULTURE

Production of viral vaccines in stirred bioreactors. Shevitz J, et al. **Adv Biotechnol Processes** 1990;14:1–35 (120 ref.)
Hydrodynamic effects on animal cells in microcarrier bioreactors. Croughan MS, et al. **Biotechnology** 1991; 17:213–49 (103 ref.)
Fixed immobilized beds for the cultivation of animal cells. Griffiths B, et al. **Biotechnology** 1991;17:165–90 (71 ref.)
Continuous cell culture. Nicholson ML, et al. **Biotechnology** 1991;17:269–303 (34 ref.)
Implications of cell biology in animal cell biotechnology. Prokop A. **Biotechnology** 1991;17:21–58 (146 ref.)
Scaleup of animal cell suspension culture. Rhodes M, et al. **Biotechnology** 1991;17:253–68 (29 ref.)
Instrumentation of animal cell culture reactors. Scheirer W, et al. **Biotechnology** 1991;17:405–43 (116 ref.)
An overview of animal cell biotechnology: the conjoint application of science, art, and engineering. Spier RE. **Biotechnology** 1991;17:3–18 (22 ref.)
Microcarriers for animal cell biotechnology: an unfulfilled potential. Spier RE, et al. **Biotechnology** 1991;17:191–212 (64 ref.)
Optimization of the microenvironment for mammalian cell culture in flexible collagen microspheres in a fluidized–bed bioreactor. Vournakis JN, et al. **Biotechnology** 1991; 17:305–26 (53 ref.)
An economic and technical assessment of the use of plant cell cultures for natural product synthesis on an industrial scale. Fowler MW, et al. **Ciba Found Symp** 1990; 154:157–70; discussion 170–4 (24 ref.)
Cell culture. Boulton M. **Eye** 1990;4 (Pt 4):622–31 (48 ref.)

Cocultures: a new lead in embryo quality improvement for assisted reproduction. Bongso A, et al. **Fertil Steril** 1991 Aug;56(2):179–91 (80 ref.)

CYTOLOGY

Newt lung epithelial cells: cultivation, use, and advantages for biomedical research. Rieder CL, et al. **Int Rev Cytol** 1990;122:153–220 (230 ref.)

METABOLISM

Regulation of animal cell metabolism in bioreactors. Miller WM, et al. **Biotechnology** 1991;17:119–61 (164 ref.)

TRANSPLANTATION

Genetically altered and defined cell lines for transplantation in animal models of Parkinson's disease. Freed WJ, et al. **Prog Brain Res** 1990;82:11–21 (52 ref.)

Grafting genetically modified cells to the brain: conceptual and technical issues. Gage FH, et al. **Prog Brain Res** 1990; 82:1–10 (37 ref.)

CELLULAR INCLUSIONS

Inclusion body myositis. Kula RW, et al. **Curr Opin Rheumatol** 1989 Dec;1(4):460–7 (19 ref.)

ULTRASTRUCTURE

[An autopsy case of idiopathic parkinsonism with numerous Lewy bodies in the cerebral cortex—diffuse Lewy body disease] Akashi T, et al. **No To Shinkei** 1991 Feb; 43(2):175–81 (18 ref.) (Eng. Abstr.) **(Jpn)**

[Clinical and pathological studies on two patients with adult-onset nemaline myopathy] Maruyama T, et al. **Rinsho Shinkeigaku** 1990 Jul;30(7):738–44 (17 ref.) (Eng. Abstr.) **(Jpn)**

[A case of severe infantile form of congenital nemaline myopathy with extensive fatty replacement of the skeletal muscles] Shimizu J, et al. **Rinsho Shinkeigaku** 1990 Oct; 30(10):1123–7 (25 ref.) (Eng. Abstr.) **(Jpn)**

[Pathology of the cytoskeleton in Alzheimer's disease and disorders related to this disease] Seitelberg F, et al. **Gac Med Mex** 1990 Sep–Oct;126(5):367–73 (16 ref.) (Eng. Abstr.) **(Spa)**

CELLULAR NEUROBIOLOGY see **NEUROBIOLOGY**

CELLULAR PROTO-ONCOGENE PROTEINS see **PROTO-ONCOGENE PROTEINS**

CELLULASE

GENETICS

Domains in microbial beta-1, 4-glycanases: sequence conservation, function, and enzyme families. Gilkes NR, et al. **Microbiol Rev** 1991 Jun;55(2):303–15 (124 ref.)

METABOLISM

Trends in biochemistry and enzymology of cellulose degradation. Klyosov AA. **Biochemistry** 1990 Nov 27; 29(47):10577–85 (41 ref.)

Microbial beta-glucanases different from cellulases. Bielecki S, et al. **Crit Rev Biotechnol** 1991;10(4):275–304 (224 ref.)

Cellulolysis: ultrastructural aspects of bacterial systems. Mayer F. **Electron Microsc Rev** 1988;1(1):69–85 (68 ref.)

Factors limiting the efficiency of cellulase enzymes. Saddler JN. **Microbiol Sci** 1986 Mar;3(3):84–7 (23 ref.)

CELLULITIS

ETIOLOGY

Wells' syndrome in children: varicella infection as a precipitating event. Reichel M, et al. **Br J Dermatol** 1991 Feb;124(2):187–90 (30 ref.)

The diabetic foot. Soft tissue and bone infection. Lipsky BA, et al. **Infect Dis Clin North Am** 1990 Sep;4(3):409–32 (94 ref.)

A successfully treated case of Vibrio vulnificus septicemia with shock. Kikawa K, et al. **Jpn J Med** 1990 May–Jun; 29(3):313–9 (44 ref.)

[Stasis cellulitis] Coget JM. **Phlebologie** 1990 Jul–Oct; 43(3):491–9 (7 ref.) **(Fre)**

[Canyon-varices. Consequence and cause of sclerous cellulitis and their treatment] Tessari L. **Phlebologie** 1990 Jul–Oct;43(3):501–6 (23 ref.) (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Cutaneous cellulitis. Sachs MK. **Arch Dermatol** 1991 Apr; 127(4):493–6 (34 ref.)

CELLULOSE

see related
PAPER

Utilization of purified cellulose in fiber studies. Penner MH, et al. **Adv Exp Med Biol** 1990;270:169–78 (22 ref.)

The biotinylcellulose-avidin system. A model for interaction between solid-phase ligands and multivalent high molecular weight ligates. Goldstein L, et al. **Ann N Y Acad Sci** 1990;613:54–67 (27 ref.)

BIOSYNTHESIS

Biogenesis of bacterial cellulose. Cannon RE, et al. **Crit Rev Microbiol** 1991;17(6):435–47 (58 ref.)

Cellulose biosynthesis and function in bacteria. Ross P, et al. **Microbiol Rev** 1991 Mar;55(1):35–58 (159 ref.)

METABOLISM

Molecular biology of cellulose degradation. Béguin P. **Annu Rev Microbiol** 1990;44:219–48 (174 ref.)

Trends in biochemistry and enzymology of cellulose degradation. Klyosov AA. **Biochemistry** 1990 Nov 27; 29(47):10577–85 (41 ref.)

Cellulolysis: ultrastructural aspects of bacterial systems. Mayer F. **Electron Microsc Rev** 1988;1(1):69–85 (68 ref.)

The cloned cel (cellulose degradation) genes of Clostridium thermocellum and their products. Béguin P, et al. **Microbiol Sci** 1987 Sep;4(9):277–80 (24 ref.)

CEMENTATION

see related
DENTAL CEMENTS

CEMENTOBLASTS see **DENTAL CEMENTUM**

CEMENTUM see **DENTAL CEMENTUM**

CENSUS see **DEMOGRAPHY**

CENTENARIAN see **AGED, 80 AND OVER**

CENTERS FOR DISEASE CONTROL (U.S.)

Methodological issues in nutrition surveillance: the CDC experience. Trowbridge FL, et al. **J Nutr** 1990 Nov;120 Suppl 11:1512–8 (8 ref.)

CENTRAL NERVOUS SYSTEM

ABNORMALITIES

Aberrant morphogenesis of the central nervous system. Siebert JR, et al. **Clin Perinatol** 1990 Sep;17(3):569–95 (176 ref.)

Antenatal treatment of central nervous system defects: current and future developments in experimental therapies. Michejda M. **Fetal Ther** 1989;4 Suppl 1:108–31 (150 ref.)

The fetal central nervous system. Nyberg DA. **Semin Roentgenol** 1990 Oct;25(4):317–33 (67 ref.)

BLOOD SUPPLY

Hypothesis: antigen-specific T cells prime central nervous system endothelium for recruitment of nonspecific inflammatory cells to effect autoimmune demyelination. Cross AH, et al. **J Neuroimmunol** 1991 Sep;33(3):237–44 (45 ref.)

CHEMISTRY

Detection of neuropeptide release in the central nervous system with antibody microprobes. Duggan AW. **J Neurosci Methods** 1990 Sep;34(1–3):47–52 (8 ref.)

CYTOLOGY

Expression of the jimpy phenotype in relation to proteolipid protein appearance. Skoff RP, et al. **Ann N Y Acad Sci** 1990;605:122–34 (48 ref.)

The generation of neuronal diversity in the central nervous system. McConnell SK. **Annu Rev Neurosci** 1991; 14:269–300 (163 ref.)

Characteristics of cells that give rise to the central nervous system. Temple S. **J Cell Sci** 1990 Oct;97 (Pt 2):213–8 (68 ref.)

[Identification of cells of the central nervous system using cell-specific markers] Hewicker M, et al. **Tierarztl Prax** 1991 Jun;19(3):241–6 (20 ref.) (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Neuroactive drugs in growth disorders. Ghigo E, et al. **Acta Paediatr Scand Suppl** 1990;367:33–7 (34 ref.)

Effects of antiepileptic drugs on the developing central nervous system. Ransom BR, et al. **Adv Neurol** 1991; 55:225–37 (57 ref.)

In-vivo metabolism of 4-substituted arylpiperazines to pharmacologically active 1-arylpiperazines. Caccia S. **Boll Chim Farm** 1990 May;129(5):183–9 (32 ref.)

Excitotoxicity: an overview. Olney JW. **Can Dis Wkly Rep** 1990 Sep;16 Suppl 1E:47–57; discussion 57–8 (101 ref.)

Comparative observations on inorganic and organic lead neurotoxicity. Verity MA. **Environ Health Perspect** 1990 Nov;89:43–8 (74 ref.)

Side-effects of quinolones: comparisons between quinolones and other antibiotics. Norrby SR. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):378–83 (14 ref.)

Neurobehavioral effects of antihypertensive medications. Muldoon MF, et al. **J Hypertens** 1991 Jun;9(6):549–59 (121 ref.)

Acute central nervous system complications after pulse steroid therapy in patients with systemic lupus erythematosus. Wysenbeek AJ, et al. **J Rheumatol** 1990 Dec;17(12):1695–6 (8 ref.)

The long-term neurobehavioral consequences of substance abuse: conceptual and methodological challenges for future research. Reed RJ, et al. **NIDA Res Monogr** 1990;101:10–56 (272 ref.)

Growth factor-mediated protection in aging CNS. Werrbach-Perez K, et al. **Prog Brain Res** 1990;86:183–94 (76 ref.)

[Central nervous system side effects of different antibacterial substances] Stoppe G, et al. **Infection** 1991;19 Suppl 1:S29–32 (87 ref.) (Eng. Abstr.) **(Ger)**

[Pyrimidine derivatives: their psychotropic properties and the molecular mechanisms of their central action] Karkishchenko NN, et al. **Farmakol Toksikol** 1990 Jul–Aug; 53(4):67–72 (54 ref.) (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Cholinesterases preceding major tracts in vertebrate neurogenesis. Layer PG. **Bioessays** 1990 Sep;12(9):415–20 (47 ref.)

Characteristics of cells that give rise to the central nervous system. Temple S. **J Cell Sci** 1990 Oct;97 (Pt 2):213–8 (68 ref.)

GROWTH & DEVELOPMENT

Midbrain micromass cultures: a model for studies of teratogenic and sub-teratogenic effects on CNS development. Walum E, et al. **Acta Physiol Scand Suppl** 1990;592:61–72 (34 ref.)

The role of nutrition in neurologic health and development of infants with chronic renal failure. Geary DF, et al. **Adv Perit Dial** 1990;6:252–4 (15 ref.)

Abnormal regulation of the myelin basic protein gene during development of the myelin-deficient mouse. Matthieu JM, et al. **Ann N Y Acad Sci** 1990;605:240–7 (48 ref.)

Metamorphosis of the central nervous system of Drosophila. Truman JW. **J Neurobiol** 1990 Oct;21(7):1072–84 (38 ref.)

Impulse activity and the patterning of connections during CNS development. Shatz CJ. **Neuron** 1990 Dec;5(6):745–56 (81 ref.)

IMMUNOLOGY

Immunoneurology: a serum protein afferent limb to the CNS. Kozlowski GP, et al. **Adv Exp Med Biol** 1990;274:345–70 (140 ref.)

Astrocytes: auxiliary cells for immune responses in the central nervous system? Hertz L, et al. **Immunol Today** 1990 Aug; 11(8):265–8 (0 ref.)

Autoimmune encephalomyelitis and the connection between the nervous and immune systems. Abramsky O, et al. **Isr J Med Sci** 1990 Dec;26(12):686–8 (23 ref.)

INJURIES

Degenerative and regenerative responses of injured neurons in the central nervous system of adult mammals. Aguayo AJ, et al. **Philos Trans R Soc Lond [Biol]** 1991 Mar 29; 331(1261):337–43 (52 ref.)

Nerve fibre regeneration after traumatic lesions of the CNS; progress and problems. Schwab ME. **Philos Trans R Soc Lond [Biol]** 1991 Mar 29; 331(1261):303–6 (33 ref.)

METABOLISM

Potential neurotrophic factors in the mammalian central nervous system: functional significance in the developing and aging brain. Araujo DM, et al. **Int Rev Neurobiol** 1990; 32:141–74 (301 ref.)

The main features of central 5-HT1 receptors. Hamon M, et al. **Neuropsychopharmacology** 1990 Oct–Dec; 3(5–6):349–60 (70 ref.)

Lipoxygenase products of polyunsaturated fatty acid metabolism in the central nervous system: biosynthesis and putative functions. Simmet T, et al. **Pharmacol Res** 1990 Nov–Dec;22(6):667–82 (125 ref.)

Uptake and release of taurine—an overview. Shain W, et al. **Prog Clin Biol Res** 1990;351:243–52 (37 ref.)

Development of substance P (SP)-containing cells in the central nervous system: consequences of neurotransmitter co-localization. Jonakait GM, et al. **Prog Neurobiol** 1991; 36(1):1–21 (98 ref.)

[Genetic aspects of some functional proteins in the central nervous system] Takahashi Y. **Nippon Yakurigaku Zasshi** 1991 Mar;97(3):135–44 (76 ref.) (Eng. Abstr.) **(Jpn)**

[Neurotrophic factors in the CNS] Takei N, et al. **No To Shinkei** 1991 Jan;43(1):5–13 (45 ref.) **(Jpn)**

[Excitatory amino acids] Urushidani T, et al. **No To Shinkei** 1991 Apr;43(4):307–18 (88 ref.) **(Jpn)**

MICROBIOLOGY

T cell-mediated clearance of JHMV from the central nervous system. Williamson J, et al. **Adv Exp Med Biol** 1990; 276:557–63 (16 ref.)

Monocyte-mediated entry of pathogens into the central nervous system. Williams AE, et al.

Neuropathol Appl Neurobiol 1990 Oct;16(5):377–92 (92 ref.)

PARASITOLOGY

[Myxozoa as parasites of the central nervous system of fishes] Hoffmann RW, et al. **Tierarztl Prax** 1991 Jun;19(3):324–30 (24 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Central nervous system myelin: structure, function, and pathology. Deber CM, et al. **Clin Biochem** 1991 Apr; 24(2):113–34 (248 ref.)

Acquired immune deficiency syndrome and the developing nervous system. Brenneman DE, et al. **Int Rev Neurobiol** 1990;32:305–53 (223 ref.)

MR imaging of anisotropically restricted diffusion of water in the nervous system: technical, anatomic, and pathologic considerations. Hajnal JV, et al. **J Comput Assist Tomogr** 1991 Jan–Feb;15(1):1–18 (40 ref.)

Immunohistochemistry of human immunodeficiency virus in the central nervous system and an hypothesis concerning the pathogenesis of AIDS meningoencephalomyelitis. Rhodes RH, et al. **Prog AIDS Pathol** 1989;1:167–79 (69 ref.)

[Amyotrophic lateral sclerosis. Focal points] Henny C, et al. **Rev Med Suisse Romande** 1991 Jan;111(1):9–16 (20 ref.) **(Fre)**

[An adult case of Chédiak–Higashi syndrome with parkinsonism and marked atrophy of the central nervous system] Uyama E, et al. **Rinsho Shinkeigaku** 1991 Jan; 31(1):24–31 (30 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Peripheral neurohumoral factors and central control of homeostasis during altered sodium intake. Aguilera G. **Adv Exp Med Biol** 1990;274:227–42 (51 ref.)

Central action of adrenal steroids during stress and adaptation. Reul JM, et al. **Adv Exp Med Biol** 1990; 274:243–56 (75 ref.)

Presynaptic serotonin receptors in the central nervous system. Göthert M. **Ann N Y Acad Sci** 1990;604:102–12 (71 ref.)

The role of calcium flux in the central nervous system actions of ethanol. Littleton JM, et al. **Ann N Y Acad Sci** 1991; 625:388–94 (20 ref.)

Presynaptic muscarinic receptors in the central nervous system. Raiteri M, et al. **Ann N Y Acad Sci** 1990;604:113–29 (75 ref.)

Role of myelin basic protein in the formation of central nervous system myelin. Readhead C, et al. **Ann N Y Acad Sci** 1990;605:280–5 (47 ref.)

In vivo electrophysiology of central nervous system terminal autoreceptors. Tepper JM, et al. **Ann N Y Acad Sci** 1990; 604:470–87 (67 ref.)

Myelin-associated glycoprotein. Location and potential functions. Trapp BD. **Ann N Y Acad Sci** 1990;605:29–43 (35 ref.)

Purine nucleosides and nucleotides as central nervous system modulators. Adenosine as the prototypic paracrine neuroactive substance. Williams M. **Ann N Y Acad Sci** 1990; 603:93–107 (122 ref.)

The cellular and molecular events of central nervous system remyelination. Dubois-Dalcq M, et al. **Bioessays** 1990 Dec; 12(12):569–76 (52 ref.)

Plasticity in the adult and neonatal central nervous system. Bower AJ. **Br J Neurosurg** 1990;4(4):253–64 (94 ref.)

Central serotonergic mechanisms in cardiovascular regulation. Minson J, et al. **Cardiovasc Drugs Ther** 1990 Jan;4 Suppl 1:27–32 (38 ref.)

Central neural control of the lower urinary tract. de Groat WC. **Ciba Found Symp** 1990;151:27–44; discussion 44–56 (29 ref.)

Methodology of mental stress testing in cardiovascular research. Steptoe A, et al. **Circulation** 1991 Apr;83(4 Suppl):II14–24 (97 ref.)

Visual units in the central nervous system of the frog. Gaillard F. **Comp Biochem Physiol [A]** 1990;96(3):357–71 (126 ref.)

Central stimulation-induced analgesia in humans--modulation by endogenous opioid peptides. Richardson DE. **Crit Rev Neurobiol** 1990;6(1):33–7 (27 ref.)

Nerve growth factor function in the central nervous system. Gage FH, et al. **Curr Top Microbiol Immunol** 1991; 165:71–93 (159 ref.)

Transmitter interactions in the central cholinergic control of blood pressure regulation. Varagic VM, et al. **Drug Metabol Drug Interact** 1991;9(1):49–76 (114 ref.)

Quinoxalinediones as excitatory amino acid antagonists in the vertebrate central nervous system. Davies SN, et al. **Int Rev Neurobiol** 1990;32:281–303 (78 ref.)

Peripheral and central thermosensitivity. Pierau FK, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):323–35 (68 ref.)

Central modulators of thermoregulation. Zeisberger E. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):277–89 (38 ref.)

Synaptic connections made by axons regenerating in the central nervous system of adult mammals. Aguayo AJ, et al. **J Exp Biol** 1990 Oct;153:199–224 (110 ref.)

2-Phenylethylamine: a modulator of catecholamine transmission in the mammalian central nervous system? Paterson IA, et al. **J Neurochem** 1990 Dec;55(6):1827–37 (110 ref.)

Microglia in human disease, with an emphasis on acquired immune deficiency syndrome. Dickson DW, et al. **Lab Invest** 1991 Feb;64(2):135–56 (217 ref.)

A new hypothesis for electrical transmission in the mammalian central nervous system. Hillman H. **Med Hypotheses** 1991 Mar;34(3):220–4 (68 ref.)

Peripheral-type benzodiazepine receptors: a second site of action for benzodiazepines. Krueger KE. **Neuropsychopharmacology** 1991 Jun;4(4):237–44 (57 ref.)

Central functions of oxytocin. Argiolas A, et al. **Neurosci Biobehav Rev** 1991 Summer;15(2):217–31 (214 ref.)

Central and peripheral benzodiazepine receptors: involvement in an organism's response to physical and psychological stress. Drugan RC, et al. **Neurosci Biobehav Rev** 1991 Summer;15(2):277–98 (329 ref.)

Factors influencing the regeneration of axons in the central nervous system. Fawcett JW. **Paraplegia** 1991 Jun; 29(5):287–93 (50 ref.)

Regeneration of lesioned CNS axons by neutralisation of neurite growth inhibitors: a short review. Schwab ME. **Paraplegia** 1991 Jun;29(5):294–8 (20 ref.)

Probabilistic secretion of quanta in the central nervous system: granule cell synaptic control of pattern separation and activity regulation. Gibson WG, et al. **Philos Trans R Soc Lond [Biol]** 1991 Jun 29; 332(1264):199–220 (50 ref.)

Opioids and opioid receptors mediating antinociception at various levels of the neuraxis. Herz A, et al. **Physiol Bohemoslov** 1990;39(5):395–401 (39 ref.)

GAP-43 as a marker for structural plasticity in the mature CNS. Benowitz LI, et al. **Prog Brain Res** 1990;86:309–20 (78 ref.)

Neurotrophic factors in the CNS: biosynthetic processing and functional responses. Bradshaw RA, et al. **Prog Brain Res** 1990;86:157–67 (66 ref.)

Physiological cholinergic functions in the CNS. Karczmar AG. **Prog Brain Res** 1990;84:437–66 (158 ref.)

Enhanced cortical maturation: gangliosides in CNS plasticity. Karpiak SE, et al. **Prog Brain Res** 1990;85:299–308; discussion 308–9 (67 ref.)

Clinical testing of compounds modifying acute and chronic neurodegeneration in the CNS. Etienne P, et al. **Prog Clin Biol Res** 1990;361:387–407 (27 ref.)

NGF in CNS: experimental data and clinical implications. Ebendal T. **Prog Growth Factor Res** 1989;1(3):143–59 (92 ref.)

The electrophysiology of adenosine in the mammalian central nervous system. Greene RW, et al. **Prog Neurobiol** 1991; 36(4):329–41 (93 ref.)

Cysteine sulphinate (CSA) as an excitatory amino acid transmitter candidate in the mammalian central nervous system. Griffiths R. **Prog Neurobiol** 1990;35(4):313–23 (96 ref.)

Arterial baroreceptor reflex: its central and peripheral neural mechanisms. Kumada M, et al. **Prog Neurobiol** 1990; 35(5):331–61 (215 ref.)

GABA receptor mechanisms in the central nervous system. Sivilotti L, et al. **Prog Neurobiol** 1991;36(1):35–92 (520 ref.)

Insulin receptors in the central nervous system: localization, signalling mechanisms and functional aspects. Unger JW, et al. **Prog Neurobiol** 1991;36(5):343–62 (165 ref.)

Central synaptic transmission: studies at the connection between primary afferent fibres and dorsal spinocerebellar tract (DSCT) neurones in Clarke's column of the spinal cord. Walmsley B. **Prog Neurobiol** 1991;36(5):391–423 (139 ref.)

Preclinical and clinical studies with somatostatin related to the central nervous system. Vécsei L, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(4):473–502 (249 ref.)

Preclinical and clinical studies with cysteamine and pantethine related to the central nervous system. Vécsei L, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(6):835–62 (119 ref.)

Cerebellar function and the adaptive feature of the central nervous system. Llinás R, et al. **Rev Oculomot Res** 1985; 1:223–31 (0 ref.)

Computations underlying the execution of movement: a biological perspective. Bizzi E, et al. **Science** 1991 Jul 19; 253(5017):287–91 (20 ref.)

Glutamate, nitric oxide and cell–cell signalling in the nervous system. Garthwaite J. **Trends Neurosci** 1991 Feb;14(2):60–7 (53 ref.)

[Interaction between the central nervous system and the immune system--review] Schlenker G, et al. **Berl Munch Tierarztl Wochenschr** 1991 Jul 1;104(7):236–9 (48 ref.) (Eng. Abstr.) **(Ger)**

[The pharmacology of central serotonergic neural transmission systems] Fischer W. **Pharm Unserer Zeit** 1991 Jan;20(1):21–31 (15 ref.) **(Ger)**

[Thyroid hormones and the development of the nervous system] Mussa GC, et al. **Minerva Pediatr** 1990 Sep; 42(9):321–9 (26 ref.) (Eng. Abstr.) **(Ita)**

[A new pathway for the central nervous regulation of carbohydrate homeostasis] Akmaev IG. **Probl Endokrinol (Mosk)** 1990 Jul–Aug;36(4):12–8 (29 ref.) **(Rus)**

[The central nervous system and immunity] Boranić M. **Lijec Vjesn** 1990 Sep–Oct;112(9–10):329–34 (118 ref.) (Eng. Abstr.) **(Scr)**

PHYSIOPATHOLOGY

The central nervous system and atherogenesis: interrelationships. Gutstein WH, et al. **Adv Exp Med Biol** 1990;273:359–80 (81 ref.)

What is the role of the central nervous system in mineralocorticoid hypertension? Gómez Sánchez EP. **Am J Hypertens** 1991 Apr;4(4 Pt 1):374–81 (83 ref.)

A review of central nervous system effects of G-induced loss of consciousness on volunteer subjects. Jones DR. **Aviat Space Environ Med** 1991 Jul;62(7):624–7 (17 ref.)

Psychoneuroimmunology. Implications for oncology? Bovbjerg DH. **Cancer** 1991 Feb 1;67(3 Suppl):828–32 (52 ref.)

Role of the central nervous system in stress ulcers. Glavin GB. **Compr Ther** 1991 Apr;17(4):3–5 (16 ref.)

SECRETION

[Neurotrophic factors secreted from the central nervous system] Akoev GN, et al. **Usp Fiziol Nauk** 1990 Oct–Dec; 21(4):138–42 (28 ref.) **(Rus)**

SURGERY

Meningitis in the neurosurgical patient. Kaufman BA, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):677–701 (137 ref.)

ULTRASTRUCTURE

Steroid binding at sigma receptors: CNS and immunological implications. Su TP, et al. **Ciba Found Symp** 1990; 153:107–13; discussion 113–6 (7 ref.)

CENTRAL NERVOUS SYSTEM AGENTS

ADMINISTRATION & DOSAGE

Therapeutic strategies in dementia disorders. Ferris SH. **Acta Neurol Scand Suppl** 1990;129:23–6 (0 ref.)

CENTRAL NERVOUS SYSTEM DEPRESSANTS

CNS depressant effects of volatile organic solvents. Evans EB, et al. **Neurosci Biobehav Rev** 1991 Summer; 15(2):233–41 (104 ref.)

CENTRAL NERVOUS SYSTEM DISEASES

Spirochetal infection of the central nervous system. Coyle PK, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):731–46 (55 ref.)

Paraneoplastic syndromes of the nervous system: manifestations of the occult and the obvious. Zafar MJ, et al. **Mo Med** 1990 Nov;87(11):830–4 (26 ref.)

[Angiolipoma of the central nervous system] Weill A, et al. **Rev Neurol (Paris)** 1991;147(4):285–92 (44 ref.) (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Cytarabine and neurologic toxicity. Baker WJ, et al. **J Clin Oncol** 1991 Apr;9(4):679–93 (124 ref.)

Intrathecal vincristine: a fatal chemotherapeutic error with devastating central nervous system effects. Bain PG, et al. **J Neurol** 1991 Jul;238(4):230–4 (35 ref.)

The role of environmental factors in neurodegenerative disorders. Henneberry R, et al. **Neurobiol Aging** 1991 Jan–Feb;12(1):75–9 (13 ref.)

COMPLICATIONS

Large vessel vasculitis of the central nervous system in systemic lupus erythematosus: report and review of the literature. Weiner DK, et al. **J Rheumatol** 1991 May; 18(5):748–51 (15 ref.)

Depressive syndromes associated with diseases of the central nervous system. Schiffer RB. **Semin Neurol** 1990 Sep; 10(3):239–46 (62 ref.)

[Neurology of the acquired immunodeficiency syndrome. II. Infections and tumors of the central nervous system] Orolin D, et al. **Cesk Neurol Neurochir** 1990 Jul;53(4):215–27 (79 ref.) **(Slo)**

DIAGNOSIS

Conventional electroencephalography as a diagnostic tool: possibilities and limits. Striano S. **Acta Neurol (Napoli)** 1990 Oct;12(5):366–71 (20 ref.)

Advances in contrast-enhanced MR imaging. Neurologic applications. Modic MT. **AJR Am J Roentgenol** 1991 Feb; 156(2):239–45 (44 ref.)

Clinical, radiological and cerebrospinal fluid presentation of neurocysticercosis: a prospective study. Bittencourt PR, et al. **Arq Neuropsiquiatr** 1990 Sep;48(3):286–95 (31 ref.)

Infections of the central nervous system. Rauch RA, et al. **Curr Opin Radiol** 1991 Feb;3(1):16–24 (48 ref.)

Short course. Diagnostic surgical neuropathology. Vogel FS. **Mod Pathol** 1991 May;4(3):396–415 (4 ref.)

Primary central nervous system lymphoma. A report of 9

cases and review of the literature. Pittman KB, et al. **Oncology** 1991;48(3):184–7 (25 ref.)
Quality of life/subjective symptoms during beta-blocker treatment. Dahlöf C. **Scand J Prim Health Care** 1990;Suppl 1:73–80 (65 ref.)
[Hemiplegia: diagnosis and differential diagnosis] Uldry PA, et al. **Schweiz Rundsch Med Prax** 1990 Oct 23; 79(43):1285–90 (40 ref.) (Eng. Abstr.) **(Fre)**
[Neurocysticercosis in childhood. I. Clinical and laboratory diagnosis] Bruck I, et al. **Arq Neuropsiquiatr** 1991 Mar; 49(1):43–6 (14 ref.) (Eng. Abstr.) **(Por)**

DRUG THERAPY

Therapy of viral infections of the central nervous system. Griffin DE. **Antiviral Res** 1991 Jan;15(1):1–10 (69 ref.)
Current pharmacological treatment approaches to central nervous system leukaemia. Blaney SM, et al. **Drugs** 1991 May;41(5):702–16 (64 ref.)
Preclinical and clinical studies with cysteamine and pantethine related to the central nervous system. Vécsei L, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(6):835–62 (119 ref.)
Preclinical and clinical studies with somatostatin related to the central nervous system. Vécsei L, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(4):473–502 (249 ref.)
Rickettsial infection of the central nervous system: the role of prompt antimicrobial therapy. Shaked Y. **Q J Med** 1991 Apr;79(288):301–6 (50 ref.)

ETIOLOGY

Occupational exposure and defects of the central nervous system in offspring: review. Roeleveld N, et al. **Br J Ind Med** 1990 Sep;47(9):580–8 (121 ref.)
Central nervous system disorders in AIDS. Levy RM, et al. **Immunol Ser** 1989;44:371–401 (99 ref.)
Diagnosis and pathogenesis of CNS lupus. van Dam AP. **Rheumatol Int** 1991;11(1):1–11 (135 ref.)
Central nervous system polyarteritis nodosa. Rosenberg MR, et al. **West J Med** 1990 Nov;153(5):553–6 (37 ref.)
[Study of human immunodeficiency virus in the cerebrospinal fluid. Value and limitations] Buffet R, et al. **Presse Med** 1991 Jun 22;20(24):1124–8 (26 ref.) (Eng. Abstr.) **(Fre)**
[Central neurologic forms of Waldenström's disease. Bing-Neel syndrome. 3 cases] Neau JP, et al. **Rev Neurol (Paris)** 1991;147(1):56–60 (35 ref.) (Eng. Abstr.) **(Fre)**
[Infections caused by viruses like the AIDS (HIV) virus and central nervous system lesions (a review)] Lalaiants IE, et al. **Zh Nevropatol Psikhiatr** 1991;91(3):114–7 (34 ref.) **(Rus)**

METABOLISM

[Peroxisomal disorders: morphological, biochemical and clinical aspects] Turowska-Heydel D. **Przegl Lek** 1990; 47(9):665–9 (24 ref.) **(Pol)**

MICROBIOLOGY

Controversies in HIV-related central nervous system disease: neuropsychological aspects of HIV-1 infection. Levy RM, et al. **AIDS Clin Rev** 1989;:151–91 (50 ref.)
Parallel mechanisms in neuropathogenesis of enteric virus infections. Morrison LA, et al. **J Virol** 1991 Jun; 65(6):2767–72 (64 ref.)
Organism-specific antibody indices, the cerebrospinal fluid-immunoglobulin index and other tools: a clinician's guide to the etiologic diagnosis of central nervous system infection. Andiman WA. **Pediatr Infect Dis J** 1991 Jul; 10(7):490–5 (29 ref.)
Nonanthrax Bacillus infections of the central nervous system. Weisse ME, et al. **Pediatr Infect Dis J** 1991 Mar;10(3):243–6 (32 ref.)
Serious infections involving the CDC group Ve bacteria Chryseomonas luteola and Flavimonas oryzihabitans. Hawkins RE, et al. **Rev Infect Dis** 1991 Mar–Apr; 13(2):257–60 (19 ref.)

PARASITOLOGY

Visceral larva migrans producing static encephalopathy in an infant. Fortenberry JD, et al. **Pediatr Infect Dis J** 1991 May;10(5):403–6 (26 ref.)
Infection of the central nervous system due to Acanthamoeba. Martinez AJ. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 5:S399–402 (44 ref.)

PATHOLOGY

Angiitis of the central nervous system. Lie JT. **Curr Opin Rheumatol** 1991 Feb;3(1):36–45 (74 ref.)
Short course. Diagnostic surgical neuropathology. Vogel FS. **Mod Pathol** 1991 May;4(3):396–415 (4 ref.)
[Primary germinal tumors of the central nervous system] Plantaz D, et al. **Pediatrie** 1991;46(1):87–93 (28 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Smooth pursuit: anatomy, physiology and disorders. Sharpe JA, et al. **Bull Soc Belge Ophtalmol** 1989;237:113–44 (145 ref.)
Magnetic stimulation of the human cerebral cortex, an indicator of reorganization in motor pathways in certain pathological conditions. Cohen LG, et al. **J Clin Neurophysiol** 1991 Jan;8(1):56–65 (60 ref.)
Magnetic stimulation of cortex: clinical applications. Murray NM. **J Clin Neurophysiol** 1991 Jan;8(1):66–76 (55 ref.)
Hypothesis: antigen-specific T cells prime central nervous system endothelium for recruitment of nonspecific inflammatory cells to effect autoimmune demyelination. Cross AH, et al. **J Neuroimmunol** 1991 Sep;33(3):237–44 (45 ref.)
The hippocampal tissue slice in animal models of CNS disorders. Armstrong DL. **Neurosci Biobehav Rev** 1991 Spring;15(1):79–83 (43 ref.)
Excitotoxin-mediated neuron death in youth and old age. Olney JW. **Prog Brain Res** 1990;86:37–51 (77 ref.)
[Disorders of heart function and rhythm in central nervous system processes] Klossek H, et al. **Psychiatr Neurol Med Psychol Beih** 1990;43:12–8 (91 ref.) **(Ger)**

PREVENTION & CONTROL

Vaccines against viruses associated with diseases in human central nervous system. Lustig S, et al. **Adv Biotechnol Processes** 1990;14:243–77 (144 ref.)

RADIONUCLIDE IMAGING

Studies of central nervous system disorders with single photon emission computed tomography and positron emission tomography: evolution over the past 2 decades. Alavi A, et al. **Semin Nucl Med** 1991 Jan;21(1):58–81 (224 ref.)

SURGERY

Grafting genetically modified cells to the brain: conceptual and technical issues. Gage FH, et al. **Prog Brain Res** 1990; 82:1–10 (37 ref.)

VETERINARY

[Myxozoa as parasites of the central nervous system of fishes] Hoffmann RW, et al. **Tierarztl Prax** 1991 Jun;19(3):324–30 (24 ref.) (Eng. Abstr.) **(Ger)**

CENTRAL NERVOUS SYSTEM STIMULANTS see **ANALEPTICS**

CENTRAL RETINAL ARTERY OCCLUSION see **RETINAL ARTERY OCCLUSION**

CENTRAL VENOUS CATHETERIZATION see **CATHETERIZATION, CENTRAL VENOUS**

CENTRAL VENOUS PRESSURE

PHYSIOLOGY

Central venous pressure monitoring: clinical insights beyond the numbers. Mark JB. **J Cardiothorac Vasc Anesth** 1991 Apr;5(2):163–73 (28 ref.)

CENTRALLY ACTING MUSCLE RELAXANTS see **MUSCLE RELAXANTS, CENTRAL**

CENTROMERE

Centromere structure and function in budding and fission yeasts [published erratum appears in New Biol 1990 Mar;2(3):preceding 207] Carbon J, et al. **New Biol** 1990 Jan;2(1):10–9 (58 ref.)

PHYSIOLOGY

[Molecular structure of centromere] Masumoto H. **Seikagaku** 1991 Mar;63(3):207–12 (23 ref.) **(Jpn)**

ULTRASTRUCTURE

The structure of the mammalian centromere. Rattner JB. **Bioessays** 1991 Feb;13(2):51–6 (34 ref.)
Centromere, kinetochore, and cancer. Vig BK, et al. **Crit Rev Oncog** 1989;1(3):343–71 (158 ref.)
Role of acrocentric cen-pter satellite DNA in Robertsonian translocation and chromosomal non-disjunction. Choo KH. **Mol Biol Med** 1990 Oct;7(5):437–49 (76 ref.)
Alpha and beta satellite sequences on chromosome 21: the possible role of centromere and chromosome structure in nondisjunction. Willard HF. **Prog Clin Biol Res** 1990; 360:39–52 (32 ref.)
Centromeres of mammalian chromosomes. Willard HF. **Trends Genet** 1990 Dec;6(12):410–6 (42 ref.)

CENURIASIS see **CESTODE INFECTIONS**

CEPHAELIS see **IPECAC**

CEPHALOMETRY

Use of cephalometry in diagnosing resonance disorders. Jakhi SA, et al. **Am J Orthod Dentofacial Orthop** 1990 Oct; 98(4):323–32 (31 ref.)
Cephalometric analysis of the obstructive sleep apnea syndrome. Rintala A, et al. **Proc Finn Dent Soc** 1991; 87(1):177–82 (17 ref.)
[A comparative study of cephalometric variation of the skeletal and dentoalveolar structures after treatment with the Begg, Ricketts and edgewise technic in cases of Class I and Class II malocclusions treated with and without extractions] Saurel-Passebosc C, et al. **Orthod Fr** 1989;60 Pt 2:873–94 (8 ref.) (Eng. Abstr.) **(Fre)**

METHODS

Bases for the analysis of cephalometric radiographs: intracranial reference structures or natural head position. Houston WJ. **Proc Finn Dent Soc** 1991;87(1):43–9 (29 ref.)
Methods of three dimensional analysis of patients with asymmetry of the face. Moss JP, et al. **Proc Finn Dent Soc** 1991;87(1):139–49 (18 ref.)

CEPHALOSPORINS

Cephalosporins: rationale for clinical use. Molavi A. **Am Fam Physician** 1991 Mar;43(3):937–48 (42 ref.)

ADMINISTRATION & DOSAGE

[Combination of commonly used antibiotics in intravenous infusions] Li X. **Chung Hua Hu Li Tsa Chih** 1991 Jul; 26(7):321–2 (12 ref.) **(Chi)**

ADVERSE EFFECTS

[Coagulation disorders caused by cephalosporins containing methylthiotetrazole side chains] Peetermans W, et al. **Acta Clin Belg** 1990;45(5):327–33 (29 ref.) (Eng. Abstr.) **(Dut)**
[Comprehension of the side effect profile of a new substance under development. Experimental toxicological aspects] Mayer D, et al. **Infection** 1991;19 Suppl 1:S4–8 (10 ref.) (Eng. Abstr.) **(Ger)**

ANALYSIS

Electrochemical analysis of cephalosporin antibiotics. Ogorevc B, et al. **J Pharm Biomed Anal** 1991;9(3):225–36 (65 ref.)

BIOSYNTHESIS

Potential industrial use of cephalosporin biosynthetic enzymes and genes. An overview. Yeh WK, et al. **Ann N Y Acad Sci** 1990;613:128–41 (39 ref.)

METABOLISM

Permeability of the mycobacterial cell wall. Nikaido H, et al. **Res Microbiol** 1991 May;142(4):437–43 (34 ref.)

PHARMACOKINETICS

Clinical pharmacokinetics of antibacterial drugs in neonates. Paap CM, et al. **Clin Pharmacokinet** 1990 Oct;19(4):280–318 (175 ref.)
The pharmacokinetics of the oral cephalosporins--a review. Wise R. **J Antimicrob Chemother** 1990 Dec;26 Suppl E:13–20 (23 ref.)
Advances in understanding the pharmacology of agents used to treat bacterial meningitis. Spector R. **Pharmacology** 1990; 41(3):113–8 (25 ref.)

PHARMACOLOGY

The discovery and biologic properties of cephalosporin-based inhibitors of PMN elastase. Davies P, et al. **Ann N Y Acad Sci** 1991;624:219–29 (55 ref.)
Antimicrobial activity and spectrum of ceftibuten (7432-S, SCH 39720)--a review of United States and Canadian results. Jones RN. **Diagn Microbiol Infect Dis** 1991 Jan–Feb;14(1):37–43 (24 ref.)

THERAPEUTIC USE

A comparison of cephalosporins and penicillins in the treatment of group A beta-hemolytic streptococcal pharyngitis: a meta-analysis supporting the concept of microbial copathogenicity. Pichichero ME, et al. **Pediatr Infect Dis J** 1991 Apr;10(4):275–81 (54 ref.)
Rational antibiotic therapy: new drugs, changing concepts. Graber H. **Ther Hung** 1990;38(3):99–105 (46 ref.)
[Rapid diagnosis of typhoid fever and its treatment with antibacterial agents] Hu DR. **Chung Hua Nei Ko Tsa Chih** 1991 Apr;30(4):247–9 (21 ref.) **(Chi)**

CEPHALOSPORIUM see **ACREMONIUM**

CEPHALOTAXINE ALKALOIDS see **HARRINGTONINES**

CEPHALOTAXUS ALKALOIDS see **HARRINGTONINES**

CEPHAMYCINS

THERAPEUTIC USE

Role of new cephamycins in the management of obstetric and gynecologic infections. Jones RN. **J Reprod Med** 1990 Nov;35(11 Suppl):1070–7 (24 ref.)
Role of cephamycins in obstetrics and gynecology. Sweet RL. **J Reprod Med** 1990 Nov;35(11 Suppl):1064–9 (34 ref.)

CEPHAZOLIN see CEFAZOLIN

CERAMICS

Acute lead poisoning in nursing home and psychiatric patients from the ingestion of lead-based ceramic glazes. Vance MV, et al. **Arch Intern Med** 1990 Oct; 150(10):2085-92 (36 ref.)

Alloplastic materials in reconstructive periodontal surgery. Shetty V, et al. **Dent Clin North Am** 1991 Jul;35(3):521-30 (41 ref.)

Dental ceramics--an update. Piddock V, et al. **J Dent** 1990 Oct;18(5):227-35 (94 ref.)

[Regeneration capacity of the iliac crest after spongiosa removal in humans--induction by phosphate ceramics?] Roesgen M. **Unfallchirurgie** 1991 Feb;17(1):44-59 (94 ref.) (Eng. Abstr.) **(Ger)**

CHEMISTRY

Bioceramics. Is there a difference? Lemons JE. **Clin Orthop** 1990 Dec;(261):153-8 (23 ref.)

The strength of dental ceramics. Messer PF, et al. **J Dent** 1991 Feb;19(1):51-5 (29 ref.)

PHARMACOLOGY

[The regenerative ability of the iliac crest following spongiosa removal in man--induction by phosphate ceramics? I] Roesgen M. **Unfallchirurgie** 1990 Oct;16(5):258-65 (0 ref.) (Eng. Abstr.) **(Ger)**

CERCOPITHECIDAE

Naturally acquired and experimental leprosy in nonhuman primates. Meyers WM, et al. **Am J Trop Med Hyg** 1991 Apr;44(4 Pt 2):24-7 (27 ref.)

An analysis of the correlation of lesion size, localization and behavioral effects in 283 published studies of cortical and subcortical lesions in old-world monkeys. Irle E. **Brain Res Brain Res Rev** 1990 Sep-Dec;15(3):181-213 (372 ref.)

CEREALS

Hypocholesterolemic effects of oat products. Anderson JW, et al. **Adv Exp Med Biol** 1990;270:17-36 (55 ref.)

Cereal-based oral rehydration therapy. I. Clinical studies. Khin-Maung-U, et al. **J Pediatr** 1991 Apr;118(4 (Pt 2)):S72-9 (37 ref.)

ADVERSE EFFECTS

Causes of schizophrenia. Hemmings G. **Nutr Health** 1990; 7(1):11-9 (17 ref.)

[Health problems among persons exposed to grain dust] Poulsen KB, et al. **Ugeskr Laeger** 1991 Jul 8; 153(28):1986-90 (30 ref.) (Eng. Abstr.) **(Dan)**

ANALYSIS

Physiological implications of wheat and oat dietary fiber. Knudsen KE, et al. **Adv Exp Med Biol** 1990;270:135-50 (53 ref.)

Physicochemical properties and physiological effects of the (1----3)(1----4)-beta-D-glucan from oats. Wood PJ. **Adv Exp Med Biol** 1990;270:119-27 (27 ref.)

METABOLISM

Regulation of synthesis and transport of secreted proteins in cereal aleurone. Jones RL, et al. **Int Rev Cytol** 1991; 126:49-88 (182 ref.)

CEREBELLAR ATAXIA

CLASSIFICATION

[Classification of hereditary cerebellar ataxias] Arruda WO. **Arq Neuropsiquiatr** 1991 Mar;49(1):57-65 (34 ref.) (Eng. Abstr.) **(Por)**

DIAGNOSIS

[Atactic hemiplegia syndrome] Babenkov NV, et al. **Klin Med (Mosk)** 1991 Jan;69(1):22-6 (34 ref.) **(Rus)**

ETIOLOGY

Pancerebellar syndrome in hyperpyrexia. Mohapatro AK, et al. **Australas Radiol** 1990 Nov;34(4):320-2 (12 ref.)

[Cerebellar ataxia and unilateral asterixis caused by thalamic hematoma. Presumed mechanisms] Trouillas P, et al. **Rev Neurol (Paris)** 1990;146(8-9):484-9 (38 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Multiple defects of the mitochondrial respiratory chain in a mitochondrial encephalopathy (MERRF): a clinical, biochemical and molecular study. Bindoff LA, et al. **J Neurol Sci** 1991 Mar;102(1):17-24 (48 ref.)

PHYSIOPATHOLOGY

Utility of short-latency evoked potentials in the classification of progressive, early onset cerebellar ataxias. Vanasse M, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990; 41:223-35 (65 ref.)

[Late recurrence of Miller-Fischer syndrome. Physiopathogenic reflections about a case] Burbaud P, et al. **Rev Med Interne** 1991 May-Jun;12(3):215-6, 218 (31 ref.) (Eng. Abstr.) **(Fre)**

CEREBELLAR CORTEX

ANATOMY & HISTOLOGY

Topographical localisation in the projections from the inferior olive to the paravermal cortex of the anterior lobe and paramedian lobule in the cerebellum of the cat. A brief review. Armstrong DM. **Arch Ital Biol** 1990 Jul; 128(2-4):183-207 (65 ref.)

The significance of foliation and fissuration of cerebellar cortex. The cerebellar folium as a fundamental unit of sensorimotor integration. Welker WI. **Arch Ital Biol** 1990 Jul;128(2-4):87-109 (116 ref.)

PATHOLOGY

[An autopsied case of idiopathic late cortical cerebellar atrophy--comparison with other cortical cerebellar atrophy] Iwabuchi K, et al. **Rinsho Shinkeigaku** 1990 Nov; 30(11):1190-6 (20 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Synaptic plasticity in the cerebellar cortex that may underlie the vestibulo-ocular adaptation. Ito M. **Rev Oculomot Res** 1985;1:213-21 (0 ref.)

Cerebellar function and the adaptive feature of the central nervous system. Llinás R, et al. **Rev Oculomot Res** 1985; 1:223-31 (0 ref.)

SURGERY

Lhermitte-Duclos disease (dysplastic gangliocytoma of the cerebellum). Report of a case and review of the literature. Faillot T, et al. **Acta Neurochir (Wien)** 1990;105(1-2):44-9 (28 ref.)

CEREBELLAR DISEASES

The spectrum of cerebellar infarctions. Amarenco P. **Neurology** 1991 Jul;41(7):973-9 (77 ref.)

CHEMICALLY INDUCED

Cerebellar toxicity during cytarabine therapy associated with renal insufficiency. Hasle H. **Cancer Chemother Pharmacol** 1990;27(1):76-8 (21 ref.)

COMPLICATIONS

[Benign pseudovestibular cerebellar infarction] Masson C, et al. **Ann Med Interne (Paris)** 1990;141(5):480-2 (10 ref.) **(Fre)**

[Cerebral crossed diaschisis caused by cerebellar lesion: role of the cerebellum in mental functions] Attig E, et al. **Rev Neurol (Paris)** 1991;147(3):200-7 (60 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Permanent neurologic deficits in heat stroke. Lin JJ, et al. **Chung Hua I Hsueh Tsa Chih** 1991 Feb;47(2):133-8 (21 ref.)

Role of computed tomography in the early management of bacterial meningitis. Haslam RH. **J Pediatr** 1991 Jul;119(1 (Pt 1)):157-9 (13 ref.)

PARASITOLOGY

[Hydatidosis of the posterior fossa] Jiménez-Mejías ME, et al. **An Med Interna** 1989 May;6(5):257-9 (22 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

[Spontaneous hematoma of the cerebellum] Gilliard C, et al. **Neurochirurgie** 1990;36(6):347-53 (27 ref.) (Eng. Abstr.) **(Fre)**

CEREBELLAR DYSSYNERGIA

DRUG THERAPY

[Ramsay Hunt syndrome. Effects of the treatment with acyclovir (preliminary study)] Ramos Macías A, et al. **Acta Otorrinolaringol Esp** 1990 Nov-Dec;41(6):387-91 (22 ref.) (Eng. Abstr.) **(Spa)**

CEREBELLAR NEOPLASMS

Primary central nervous system T-cell lymphoma. Case report. Bednar MM, et al. **J Neurosurg** 1991 Apr; 74(4):668-72 (31 ref.)

A case of dyschondroplasia associated with brain stem glioma: diagnosis by stereotactic biopsy. Patt S, et al. **Neurosurgery** 1990 Sep;27(3):487-91 (21 ref.)

Cerebellar glioblastoma multiforme; a report of two cases and review of the literature. Aziz TZ, et al. **West Engl Med J** 1990 Jun;105(2):39-42 (37 ref.)

COMPLICATIONS

Internuclear ophthalmoplegia from intracranial tumor. Arnold AC. **J Clin Neuro Ophthalmol** 1990 Dec; 10(4):278-86 (26 ref.)

Coexistent hemangioblastoma and arteriovenous malformation of the cerebellum. Case report. Medvedev YA, et al. **J Neurosurg** 1991 Jul;75(1):121-5 (24 ref.)

[ORL aspect of meningioma of the cerebellopontine angle] Bébéar JP, et al. **Rev Laryngol Otol Rhinol (Bord)** 1989; 110(1):59-61 (12 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Extracranial metastases of medulloblastoma in adults: literature review. Rochkind S, et al. **J Neurol Neurosurg Psychiatry** 1991 Jan;54(1):80-6 (100 ref.)

Cerebellar medulloblastomas in adults. Tekkök IH, et al. **Neurosurg Rev** 1991;14(2):135-40 (20 ref.)

[Tumors of the cerebellopontine angle. Fortuitous association of meningioma and neurinoma] Thomassin JM, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(4):248-52 (15 ref.) (Eng. Abstr.) **(Fre)**

[Medulloblastoma] Bouffet E, et al. **Pediatrie** 1991;46(1):71-8 (32 ref.) (Eng. Abstr.) **(Fre)**

[Cerebellopontine angle lipoma: a case report] Matsumoto K, et al. **No Shinkei Geka** 1990 Nov;18(11):1059-64 (26 ref.) (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Chemotherapy for medulloblastoma/primitive neuroectodermal tumors of the posterior fossa. Packer RJ. **Ann Neurol** 1990 Dec;28(6):823-8 (28 ref.)

ETIOLOGY

A case of dyschondroplasia associated with brain stem glioma: diagnosis by stereotactic biopsy. Patt S, et al. **Neurosurgery** 1990 Sep;27(3):487-91 (21 ref.)

[Glioblastoma after radiotherapy of meningioma] Lubetzki C, et al. **Rev Neurol (Paris)** 1991;147(2):151-5 (36 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Medulloblastoma in the nevoid basal-cell carcinoma syndrome: case reports and review of the literature. Lacombe D, et al. **Genet Couns** 1990;1(3-4):273-7 (26 ref.)

MICROBIOLOGY

Infections with Chryseomonas luteola (CDC group Ve-1) and Flavimonas oryzihabitans (CDC group Ve-2) in neurosurgical patients. Kostman JR, et al. **Rev Infect Dis** 1991 Mar-Apr;13(2):233-6 (17 ref.)

PATHOLOGY

Primary CNS malignant rhabdoid tumor (MRT): report of two cases and review of literature. Chou SM, et al. **Clin Neuropathol** 1991 Jan-Feb;10(1):1-10 (25 ref.)

[Medulloblastoma: towards new prognostic factors] San-Galli F, et al. **Neurochirurgie** 1991;37(1):3-11 (79 ref.) (Eng. Abstr.) **(Fre)**

RADIOTHERAPY

Fibrosarcoma of the scalp following postoperative radiotherapy for medulloblastoma. Prasad ML, et al. **Acta Neurochir (Wien)** 1991;109(3-4):145-9 (22 ref.)

SURGERY

Lhermitte-Duclos disease (dysplastic gangliocytoma of the cerebellum). Report of a case and review of the literature. Faillot T, et al. **Acta Neurochir (Wien)** 1990;105(1-2):44-9 (28 ref.)

A comparison of facial nerve monitoring systems in cerebellopontine angle surgery. Dickins JR, et al. **Am J Otol** 1991 Jan;12(1):1-6 (19 ref.)

The fastigial pressor response. Case report. Elisevich K, et al. **J Neurosurg** 1991 Jan;74(1):147-51 (45 ref.)

Benign recurrence of a pilocytic cerebellar astrocytoma 36 years after radical removal: case report. Pagni CA, et al. **Neurosurgery** 1991 Apr;28(4):606-9 (42 ref.)

[The prognosis of medulloblastoma in adults] Cornu P, et al. **Neurochirurgie** 1990;36(4):218-24 (23 ref.) (Eng. Abstr.) **(Fre)**

[Cerebellar ganglioglioma: a case report] Kimura M, et al. **No Shinkei Geka** 1990 Sep;18(9):861-5 (24 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Medulloblastoma--caution regarding new treatment approaches [editorial] Kun LE, et al. **Int J Radiat Oncol Biol Phys** 1991 Apr;20(4):897-9 (13 ref.)

CEREBELLAR NUCLEI

PHYSIOLOGY

The fastigial pressor response. Case report. Elisevich K, et al. **J Neurosurg** 1991 Jan;74(1):147-51 (45 ref.)

CEREBELLOPONTILE ANGLE see CEREBELLOPONTINE ANGLE

CEREBELLOPONTINE ANGLE

Enterogenous cyst of the cerebellopontine angle cistern: case report. Umezu H, et al. **Neurosurgery** 1991 Mar;28(3):462–5; discussion 465–6 (4 ref.)

[Tumors of the cerebellopontine angle. Fortuitous association of meningioma and neurinoma] Thomassin JM, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(4):248–52 (15 ref.) (Eng. Abstr.) **(Fre)**

[ORL aspect of meningioma of the cerebellopontine angle] Bébéar JP, et al. **Rev Laryngol Otol Rhinol (Bord)** 1989; 110(1):59–61 (12 ref.) (Eng. Abstr.) **(Fre)**

[Cerebellopontine angle lipoma: a case report] Matsumoto K, et al. **No Shinkei Geka** 1990 Nov;18(11):1059–64 (26 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

A comparison of facial nerve monitoring systems in cerebellopontine angle surgery. Dickins JR, et al. **Am J Otol** 1991 Jan;12(1):1–6 (19 ref.)

Delayed hearing loss after neurovascular decompression. McDonnell DE, et al. **Neurosurgery** 1990 Dec; 27(6):997–1003 (33 ref.)

CEREBELLUM

ABNORMALITIES

Joubert syndrome. Review of the fifty-three cases so far published. Cantani A, et al. **Ann Genet** 1990;33(2):96–8 (32 ref.)

ANATOMY & HISTOLOGY

Cerebellar localization and colocalization of GABA and calcium binding protein-D28K. Batini C. **Arch Ital Biol** 1990 Jul;128(2–4):127–49 (108 ref.)

Structural-functional relationships in cerebellar and vestibular systems. Ito M. **Arch Ital Biol** 1991 Jan; 129(1):53–61 (30 ref.)

The modular cerebellum. Hawkes R, et al. **Prog Neurobiol** 1991;36(4):309–27 (81 ref.)

Cerebellum. Blanks RH. **Rev Oculomot Res** 1988;2:225–72 (504 ref.)

BLOOD SUPPLY

On the management of neonatal tentorial damage. Eight case reports and a review of the literature. Govaert P, et al. **Acta Neurochir (Wien)** 1990;106(1–2):52–64 (32 ref.)

Coexistent hemangioblastoma and arteriovenous malformation of the cerebellum. Case report. Medvedev YA, et al. **J Neurosurg** 1991 Jul;75(1):121–5 (24 ref.)

Aneurysm of the distal anterior inferior cerebellar artery unrelated to the cerebellopontine angle: case report. Oana K, et al. **Neurosurgery** 1991 Jun;28(6):899–903 (28 ref.)

Traumatic aneurysm of the superior cerebellar artery: case report and review of the literature. Quattrocchi KB, et al. **Neurosurgery** 1990 Sep;27(3):476–9 (20 ref.)

Dissecting aneurysms of the posterior inferior cerebellar artery. Yamaura A, et al. **Neurosurgery** 1991 Jun; 28(6):894–8 (6 ref.)

[Cerebellar infarction] Amarenco P. **Presse Med** 1991 May 18;20(19):909–14 (31 ref.) (Eng. Abstr.) **(Fre)**

[Aneurysms of the anterior inferior cerebellar artery. A case report and review of the literature] Russegger L, et al. **Nervenarzt** 1990 Aug;61(8):499–503 (33 ref.) (Eng. Abstr.) **(Ger)**

[Aneurysm arising from the cortical branch of the superior cerebellar artery: case report] Itoyama Y, et al. **No Shinkei Geka** 1990 Sep;18(9):867–70 (19 ref.) (Eng. Abstr.) **(Jpn)**

[Dissecting aneurysm of distal posterior inferior cerebellar artery—case report and review of the literature] Nishino A, et al. **No To Shinkei** 1991 Apr;43(4):381–6 (37 ref.) (Eng. Abstr.) **(Jpn)**

CYTOLOGY

Differential roles of multiple adhesion molecules in cell migration: granule cell migration in cerebellum. Chuong CM. **Experientia** 1990 Sep 15;46(9):892–9 (71 ref.)

Central synaptic transmission: studies at the connection between primary afferent fibres and dorsal spinocerebellar tract (DSCT) neurones in Clarke's column of the spinal cord. Walmsley B. **Prog Neurobiol** 1991;36(5):391–423 (139 ref.)

Stimulus classification by ensembles of climbing fiber receptive fields. Robertson LT, et al. **Trends Neurosci** 1991 Jun;14(6):248–54 (40 ref.)

DRUG EFFECTS

Pharmacology of the second messenger, cyclic guanosine 3',5'-monophosphate, in the cerebellum. Wood PL. **Pharmacol Rev** 1991 Mar;43(1):1–25 (214 ref.)

EMBRYOLOGY

Determinants of nerve cell patterns during development: a review. Goffinet AM. **Eur J Morphol** 1990;28(2–4):149–68 (71 ref.)

ENZYMOLOGY

Involvement of the gamma subtype of protein kinase C in GABA release from the cerebellum. Taniyama K, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:399–404 (43 ref.)

GROWTH & DEVELOPMENT

Trophic effects of excitatory amino acids in the developing nervous system. Balázs R, et al. **Adv Exp Med Biol** 1990; 268:221–8 (46 ref.)

Early development of the rat precerebellar system: migratory routes, selective aggregation and neuritic differentiation of the inferior olive and lateral reticular nucleus neurons. An overview. Bourrat F, et al. **Arch Ital Biol** 1990 Jul; 128(2–4):151–70 (43 ref.)

Cerebellar development: afferent organization and Purkinje cell heterogeneity. Sotelo C, et al. **Philos Trans R Soc Lond [Biol]** 1991 Mar 29; 331(1261):307–13 (43 ref.)

METABOLISM

A GABA-agonist like effect of taurine on the formation of low affinity GABA receptors on cultured cerebellar granule cells. Abraham JH, et al. **Prog Clin Biol Res** 1990; 351:77–81 (13 ref.)

A review of in vivo modulation of cerebellar cGMP levels by excitatory amino acid receptors: role of NMDA, quisqualate and kainate subtypes. Wood PL, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1991; 15(2):229–35 (35 ref.)

PHYSIOLOGY

Substrates for motor learning. Does the cerebellum do it all? Bloedel JR, et al. **Ann N Y Acad Sci** 1991;627:305–18 (41 ref.)

Cerebellar synaptic plasticity. Relation to learning versus neural activity. Greenough WT, et al. **Ann N Y Acad Sci** 1991;627:231–47 (69 ref.)

Does the cerebellum provide a common computation for diverse tasks? A timing hypothesis. Keele SW, et al. **Ann N Y Acad Sci** 1990;608:179–207; discussion 207–11 (84 ref.)

Cerebellum and classical conditioning of motor responses. Yeo CH. **Ann N Y Acad Sci** 1991;627:292–304 (39 ref.)

The cerebellum and learning processes in animals. Lalonde R, et al. **Brain Res Brain Res Rev** 1990 Sep–Dec; 15(3):325–32 (79 ref.)

Identification of the Purkinje cell/climbing fiber zone and its target neurons responsible for eye-movement control by the cerebellar flocculus. Sato Y, et al. **Brain Res Brain Res Rev** 1991 Jan–Apr;16(1):39–64 (164 ref.)

Comparative aspects of horizontal ocular reflexes and their cerebellar adaptive control in vertebrates. Ito M, et al. **Comp Biochem Physiol [C]** 1991;98(1):221–8 (87 ref.)

Development of the rodent cerebellum and synaptic re-formation of donor climbing terminals on spines of the host Purkinje dendrites after chemical deafferentation. Kawamura K, et al. **J Exp Biol** 1990 Oct;153:289–303 (34 ref.)

Cerebellar synaptogenesis: what we can learn from mutant mice. Sotelo C. **J Exp Biol** 1990 Oct;153:225–49 (58 ref.)

Synaptic receptors and intracellular signal transduction in the cerebellum. Okamoto K, et al. **Neurosci Res** 1991 Jan; 9(4):213–37 (306 ref.)

The cerebellum. Keller EL. **Rev Oculomot Res** 1989; 3:391–411 (58 ref.)

[Properties of afferent connexions to the spinocerebellar tracts] Hirai N. **No To Shinkei** 1990 Dec;42(12):1141–53 (93 ref.) **(Jpn)**

PHYSIOPATHOLOGY

[Cerebral crossed diaschisis caused by cerebellar lesion: role of the cerebellum in mental functions] Attig E, et al. **Rev Neurol (Paris)** 1991;147(3):200–7 (60 ref.) (Eng. Abstr.) **(Fre)**

[The effect of cerebellar structures on the epileptic activity in the brain] Kryzhanovskiĭ GN, et al. **Usp Fiziol Nauk** 1990 Jul–Sep;21(3):38–58 (159 ref.) **(Rus)**

CEREBRAL ANEURYSM

Cervicocranial arterial dissection. Anson J, et al. **Neurosurgery** 1991 Jul;29(1):89–96 (36 ref.)

Infected intracranial aneurysm in an infant: case report. Whitfield PC, et al. **Neurosurgery** 1991 Apr;28(4):623–5 (27 ref.)

COMPLICATIONS

Headache as a warning symptom of impending aneurysmal subarachnoid haemorrhage. Ostergaard JR. **Cephalalgia** 1991 Feb;11(1):53–5 (25 ref.)

Bleeding patterns in ruptured posterior fossa aneurysms: a CT study. Sadato N, et al. **J Comput Assist Tomogr** 1991 Jul–Aug;15(4):612–7 (36 ref.)

Spontaneous dissecting aneurysms of the basilar artery presenting with a subarachnoid hemorrhage. Report of two cases. Hosoda K, et al. **J Neurosurg** 1991 Oct;75(4):628–33 (26 ref.)

Subarachnoid hemorrhage due to intracranial aneurysm: current management. Maurer PK, et al. **Mil Med** 1991 May; 156(5):236–9 (19 ref.)

Aspergillosis of the central nervous system causing subarachnoid hemorrhage from mycotic aneurysm of the basilar artery—case report. Iihara K, et al. **Neurol Med Chir (Tokyo)** 1990 Aug;30(8):618–23 (21 ref.)

Prevention and treatment of delayed ischemic dysfunction in patients with aneurysmal subarachnoid hemorrhage. Tettenborn D, et al. **Stroke** 1990 Dec;21(12 Suppl):IV85–9 (34 ref.)

[Epidemiology of meningeal hemorrhage caused by aneurysmal rupture (report of 600 cases)] Childs M, et al. **Agressologie** 1990 May;31(5):253–6 (10 ref.) **(Fre)**

[Intracranial aneurysm and dysplasia of elastic tissue: pre- and postoperative problems] Jourdan C, et al. **Agressologie** 1990 Jun;31(6):405–8 (16 ref.) (Eng. Abstr.) **(Fre)**

[Physiopathology of meningeal hemorrhage caused by aneurysmal rupture: extracerebral aspects] Melon E, et al. **Agressologie** 1990 May;31(5):244–51 (53 ref.) (Eng. Abstr.) **(Fre)**

[Terson's syndrome and intraocular complications in meningeal hemorrhages (26 cases)] Roux FX, et al. **Neurochirurgie** 1991;37(2):106–10 (15 ref.) (Eng. Abstr.) **(Fre)**

[Aneurysms with severe clinical manifestations (Hunt and Hess grade IV and V). A series of 66 cases] Sevrain L, et al. **Neurochirurgie** 1990;36(5):287–96 (23 ref.) (Eng. Abstr.) **(Fre)**

[Ruptured cerebral aneurysm associated with coarctation of the aorta] Yoshioka S, et al. **No To Shinkei** 1990 Nov; 42(11):1055–60 (28 ref.) (Eng. Abstr.) **(Jpn)**

[Vascular spasm and its significance in the early surgical treatment of cerebral aneurysms] Lebedev VV, et al. **Zh Vopr Neirokhir** 1990 Jul–Aug;(4):29–33 (101 ref.) **(Rus)**

DIAGNOSIS

Early diagnosis of aneurysmal subarachnoid haemorrhage. Dinakar I. **J Indian Med Assoc** 1991 Jan;89(1):18–9 (11 ref.)

Traumatic pericallosal aneurysm in a patient with no major trauma. Case report. Senegor M. **J Neurosurg** 1991 Sep; 75(3):475–7 (28 ref.)

Intracranial aneurysms. A review. Heros RC. **Minn Med** 1990 Oct;73(10):27–32 (17 ref.)

[Distal aneurysm of posterior inferior cerebellar artery: report of two cases—pitfall in diagnosis] Sakamoto M, et al. **No Shinkei Geka** 1990 Dec;18(12):1121–7 (12 ref.) (Eng. Abstr.) **(Jpn)**

[A fungal aneurysm in a patient with presumed Tolosa-Hunt syndrome] Shimizu T, et al. **No Shinkei Geka** 1991 May; 19(5):477–83 (36 ref.) (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Calcium antagonists in the management of patients with aneurysmal subarachnoid hemorrhage: a review. Adams HP Jr. **Angiology** 1990 Nov;41(11 Pt 2):1010–6 (49 ref.)

ETIOLOGY

Intracranial aneurysms in sickle-cell anemia: clinical features and pathogenesis. Oyesiku NM, et al. **J Neurosurg** 1991 Sep;75(3):356–63 (60 ref.)

Pathogenesis and histopathology of saccular aneurysms: review of the literature. Gao YZ, et al. **Neurol Res** 1990 Dec;12(4):249–55 (101 ref.)

Intracranial oncotic aneurysms from choriocarcinoma. Case report and review of the literature. Hove B, et al. **Neuroradiology** 1990;32(6):526–8 (24 ref.)

Traumatic aneurysm of the superior cerebellar artery: case report and review of the literature. Quattrocchi KB, et al. **Neurosurgery** 1990 Sep;27(3):476–9 (20 ref.)

Sickle cell disease and aneurysmal subarachnoid hemorrhage. Batjer HH, et al. **Surg Neurol** 1991 Aug;36(2):145–9 (22 ref.)

[Rupture of intracranial aneurysm due to intravascular metastasis of choriocarcinoma. Case report] Mori K, et al. **Neurol Med Chir (Tokyo)** 1990;30(11 Spec No):858–62 (23 ref.) (Eng. Abstr.) **(Jpn)**

[A ruptured aneurysm in the hypoplastic proximal anterior cerebral artery (A1 portion); case report] Kawakita S, et al. **No Shinkei Geka** 1991 Aug;19(8):773–6 (19 ref.) (Eng. Abstr.) **(Jpn)**

[Clinicopathological studies of three cases of cerebral aneurysms associated with systemic lupus erythematosus] Kawamata T, et al. **No Shinkei Geka** 1991 Jul;19(7):633–9 (26 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Saccular aneurysm of the distal anterior choroidal artery—case report. Inagawa T, et al. **Neurol Med Chir (Tokyo)** 1990 Jul;30(7):498–502 (23 ref.)

PHYSIOPATHOLOGY

Multiple cerebral de novo aneurysms. van Alphen HA, et al. **Clin Neurol Neurosurg** 1991;93(1):13–8 (34 ref.)

RADIOGRAPHY

Spontaneously healed vein of Galen aneurysms. Clinical radiological features. Beltramello A, et al. **Childs Nerv Syst** 1991 Jun;7(3):129–34 (28 ref.)

Intraoperative angiography in cerebrovascular surgery. Martin N, et al. **Clin Neurosurg** 1991;37:312–31 (20 ref.)
Dissecting aneurysm of the posterior cerebral artery: spontaneous resolution. Maillo A, et al. **Neurosurgery** 1991 Aug;29(2):291–4 (29 ref.)
[Aneurysms of the anterior inferior cerebellar artery. A case report and review of the literature] Russegger L, et al. **Nervenarzt** 1990 Aug;61(8):499–503 (33 ref.) (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

Radiosurgery: a nursing perspective. Krause EA, et al. **J Neurosci Nurs** 1991 Feb;23(1):24–8 (7 ref.)

SURGERY

The choice of controlled hypotension during repair of intracranial aneurysms: techniques and complications. Lam AM. **Agressologie** 1990 Jun;31(6):357–9 (29 ref.)
Aneurysm rebleeding after treatments that leave the aneurysm sac patent. Todd NV. **Br J Neurosurg** 1990; 4(5):373–9 (32 ref.)
Saccular aneurysms of the distal anterior cerebral artery. Ohno K, et al. **Neurosurgery** 1990 Dec;27(6):907–12; discussion 912–3 (23 ref.)
[Peroperative aneurysmal rupture: role and consequences of temporary clamping] Ades PE, et al. **Agressologie** 1990 Jun; 31(6):351–6 (55 ref.) (Eng. Abstr.) **(Fre)**
[Intravascular volume expansion and intravenous nimodipine in the treatment of cerebral vasospasm after surgical treatment of intracranial aneurysm] Adnet P, et al. **Agressologie** 1990 Jun;31(6):385–8 (23 ref.) (Eng. Abstr.) **(Fre)**
[Treatment of ischemic cerebral edema with intracranial hypertension after neurosurgery of intracranial aneurysms] Artru F, et al. **Agressologie** 1990 Jun;31(6):367–71 (31 ref.) (Eng. Abstr.) **(Fre)**
[Preoperative treatment of arterial spasm and preparation of the patient for surgery of intracranial aneurysm] Chacornac R. **Agressologie** 1990 Jun;31(6):315–9 (48 ref.) (Eng. Abstr.) **(Fre)**
[Value of etomidate for the temporary clamping in early surgery, in normotension, of ruptured intracranial aneurysms. Preliminary study of 8 cases] Dabbagh E, et al. **Agressologie** 1990 Jun;31(6):389–93 (24 ref.) (Eng. Abstr.) **(Fre)**
[The same question for the past 20 years: when should a ruptured intracranial aneurysm be surgically treated? (Experience with 434 cases)] Deruty R, et al. **Agressologie** 1990 Jun;31(6):329–35 (37 ref.) (Eng. Abstr.) **(Fre)**
[Multiple intracranial aneurysms: discussion of the therapeutic management of a case] Nighoghossian N, et al. **Neurochirurgie** 1990;36(3):176–9 (18 ref.) (Eng. Abstr.) **(Fre)**
[Unruptured intracranial saccular aneurysms less than 20 mm in diameter in adults. Radical surgery in 89 cases] Pertuiset B, et al. **Rev Neurol (Paris)** 1991;147(2):111–20 (52 ref.) (Eng. Abstr.) **(Fre)**
[Three cases of carotid anterior cerebral anastomosis] Ban S, et al. **No Shinkei Geka** 1990 Nov;18(11):1071–7 (17 ref.) (Eng. Abstr.) **(Jpn)**
[Aneurysm arising from the cortical branch of the superior cerebellar artery: case report] Itoyama Y, et al. **No Shinkei Geka** 1990 Sep;18(9):867–70 (19 ref.) (Eng. Abstr.) **(Jpn)**
[Fenestrated basilar artery with ruptured cerebral aneurysms: case report] Miyagi J, et al. **No Shinkei Geka** 1990 Dec; 18(12):1129–33 (14 ref.) (Eng. Abstr.) **(Jpn)**
[A case of bacterial aneurysm following Hardy's operation] Takahashi Y, et al. **No Shinkei Geka** 1991 Jul;19(7):665–9 (20 ref.) (Eng. Abstr.) **(Jpn)**
[Dissecting aneurysm of distal posterior inferior cerebellar artery—case report and review of the literature] Nishino A, et al. **No To Shinkei** 1991 Apr;43(4):381–6 (37 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Fluid therapy in neurosurgical patients. Frost EA. **Middle East J Anesthesiol** 1991 Feb;11(1):39–52 (31 ref.)
[Endovascular treatment of intracranial aneurysms. Value and prospects based on a series of 92 cases] George B, et al. **Neurochirurgie** 1990;36(5):273–8 (18 ref.) (Eng. Abstr.) **(Fre)**
[Current strategies for subarachnoid hemorrhage caused by aneurysm] Guridi J, et al. **Rev Med Univ Navarra** 1989 Jan–Mar;33(1):37–40 (100 ref.) (Eng. Abstr.) **(Spa)**
[Intervention radiology lends new therapeutic possibilities in brain diseases] Svendsen P, et al. **Lakartidningen** 1991 May 22;88(21):1968–9 (5 ref.) **(Swe)**

CEREBRAL ANGIOGRAPHY

Intraoperative angiography in cerebrovascular surgery. Martin N, et al. **Clin Neurosurg** 1991;37:312–31 (20 ref.)
[Moyamoya syndrome. An unusual case report in an 8-year-old boy and review of the literature (published erratum appears in Klin Padiatr 1991 May–Jun;203(3):192)] Bialek R, et al. **Klin Padiatr** 1991 Jan–Feb;203(1):39–44 (44 ref.) (Eng. Abstr.) **(Ger)**
[Aneurysms of the anterior inferior cerebellar artery. A case report and review of the literature] Russegger L, et al. **Nervenarzt** 1990 Aug;61(8):499–503 (33 ref.) (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

[Indications for interventional neuroradiology. Arterial lysis, angioplasty and embolizing procedures] Grzyska U, et al. **Fortschr Med** 1991 Mar 30;109(9):199–203 (23 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Flow, radiofrequency pulse sequences, and gradient magnetic fields: basic interactions and adaptations to angiographic imaging. Masaryk TJ, et al. **Top Magn Reson Imaging** 1991 Jun;3(3):1–11 (35 ref.)

CEREBRAL ANOXIA

COMPLICATIONS

Mechanisms of asphyxial brain damage, and possible pharmacologic interventions, in the fetus. Espinoza MI, et al. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 1):1582–9; discussion 1589–91 (26 ref.)
[Current aspects of the clinical course and pathogenesis of migraine (review of the literature)] Kolosova OA, et al. **Zh Nevropatol Psikhiatr** 1991;91(5):104–6 (62 ref.) **(Rus)**

DRUG THERAPY

Results of N-methyl-D-aspartate antagonists in perinatal cerebral asphyxia therapy. Ford LM. **Pediatr Neurol** 1990 Nov–Dec;6(6):363–6 (50 ref.)

PATHOLOGY

[The basic trends in the modern study of the structural reactions of the brain to oxygen starvation (a review)] Kvitnitskil-Ryzhov IuN. **Zh Nevropatol Psikhiatr** 1991; 91(3):107–14 (127 ref.) **(Rus)**

PHYSIOPATHOLOGY

Anoxia and NMDA receptors. Krnjević K. **Adv Exp Med Biol** 1990;268:475–9 (20 ref.)
Cerebrovascular regulation and neonatal brain injury. Del Toro J, et al. **Pediatr Neurol** 1991 Jan–Feb;7(1):3–12 (104 ref.)

CEREBRAL AQUEDUCT

[Tumors of aqueduct of Sylvius. Presentation of 5 cases and review of the literature] Rilliet B, et al. **Neurochirurgie** 1990;36(6):336–46 (27 ref.) (Eng. Abstr.) **(Fre)**

CEREBRAL ARTERIES

Peripheral vascular gunshot bullet embolus migration to the cerebral circulation. Report and literature review. Dadsetan MR, et al. **Neuroradiology** 1990;32(6):516–9 (17 ref.)
Saccular aneurysms of the distal anterior cerebral artery. Ohno K, et al. **Neurosurgery** 1990 Dec;27(6):907–12; discussion 912–3 (23 ref.)

ABNORMALITIES

[Three cases of carotid anterior cerebral anastomosis] Ban S, et al. **No Shinkei Geka** 1990 Nov;18(11):1071–7 (17 ref.) (Eng. Abstr.) **(Jpn)**
[A ruptured aneurysm in the hypoplastic proximal anterior cerebral artery (A1 portion); case report] Kawakita S, et al. **No Shinkei Geka** 1991 Aug;19(8):773–6 (19 ref.) (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

The controversy of the periventricular white matter circulation: a review of the anatomic literature [comment] Mayer PL, et al. **AJNR** 1991 Mar–Apr;12(2):223–8 (63 ref.)
Comment on: AJNR Am J Neuroradiol 1991 Mar–Apr;12(2):215–22.
Deep perforators from the carotid system. Template of the vascular territories. Ghika JA, et al. **Arch Neurol** 1990 Oct; 47(10):1097–100 (98 ref.)
The integration of the cerebral and coronary circulations with the dynamic system structure of brain and myocardium and the form of the cerebral and coronary artery trees. Pansera F. **Med Hypotheses** 1990 Aug; 32(4):297–305 (56 ref.)
[Microsurgical anatomy of the anterior choroidal artery] Ferreira A, et al. **Arq Neuropsiquiatr** 1990 Dec;48(4):448–53 (27 ref.) (Eng. Abstr.) **(Por)**

INNERVATION

Peptidergic innervation of the cerebral circulation. Role in subarachnoid hemorrhage in man. Edvinsson L, et al. **Neurosurg Rev** 1990;13(4):265–72 (43 ref.)

PHYSIOLOGY

Review of the variability of the territories of the major cerebral arteries. van der Zwan A, et al. **Stroke** 1991 Aug; 22(8):1078–84 (39 ref.)

PHYSIOPATHOLOGY

Impaired dilatation of cerebral arterioles in chronic hypertension. Heistad DD, et al. **Blood Vessels** 1990; 27(2–5):258–62 (14 ref.)
[Clinical aspects and diagnosis of early signs of cerebrovascular insufficiency] Kanareĭkin KF, et al. **Klin Med (Mosk)** 1991 Feb;69(2):10–7 (62 ref.) **(Rus)**
[Cerebrovascular disorders in patients with diabetes mellitus (review of the literature)] Man'kovskiĭ BN. **Zh Nevropatol Psikhiatr** 1990;90(7):123–7 (116 ref.) **(Rus)**

CEREBRAL ARTERIOSCLEROSIS

see related
DEMENTIA, VASCULAR

COMPLICATIONS

Investigation of the vertebral artery in cerebral atherosclerosis. Ackerstaff RG, et al. **Eur J Vasc Surg** 1991 Jun;5(3):229–35 (61 ref.)
[Combined forms of arteriosclerotic lesions of the coronary and major arteries: characteristics of their diagnosis and treatment] Karpov RS. **Klin Med (Mosk)** 1991 Jan; 69(1):8–12 (48 ref.) **(Rus)**

ETIOLOGY

[Disorders of carbohydrate-lipid metabolism in cerebral ischemia] Maciejek Z, et al. **Wiad Lek** 1990 Sep 1–15; 43(17–18):890–4 (52 ref.) **(Pol)**

SURGERY

Optimum results of the surgical treatment of carotid territory ischemia. Callow AD, et al. **Circulation** 1991 Feb;83(2 Suppl):I190–5 (48 ref.)

CEREBRAL ARTERIOVENOUS MALFORMATIONS

COMPLICATIONS

Spontaneous regression of giant arteriovenous fistulae during the perinatal period. Case report. Hanigan WC, et al. **J Neurosurg** 1990 Dec;73(6):954–7 (18 ref.)
"Angioglioma" and the arteriovenous malformation–glioma association. Lombardi D, et al. **J Neurosurg** 1991 Oct; 75(4):589–66 (28 ref.)
Intracranial hemorrhage from aneurysms and arteriovenous malformations during pregnancy and the puerperium. Dias MS, et al. **Neurosurgery** 1990 Dec;27(6):855–65; discussion 865–6 (109 ref.)
[Opticochiasmatic apoplexy] Lejeune JP, et al. **Neurochirurgie** 1990;36(5):303–7 (15 ref.) (Eng. Abstr.) **(Fre)**
[Superior petrosal sinus dural arteriovenous malformation with varix indenting brain stem—report of a case and review of the literature] Nishino A, et al. **No To Shinkei** 1991 Jan;43(1):62–9 (25 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

[Neonatal cardiac insufficiency caused by a cerebral arteriovenous fistula. Review of the authors' cases] Acín Romero P, et al. **An Esp Pediatr** 1990 Jun;32(6):531–3 (28 ref.) (Eng. Abstr.) **(Spa)**

GENETICS

Familial occurrence of arteriovenous malformation of the brain. Yokoyama K, et al. **J Neurosurg** 1991 Apr; 74(4):585–9 (14 ref.)

PATHOLOGY

Aplasia cutis congenita and arteriovenous fistula. Case report and review. Singman R, et al. **Arch Neurol** 1990 Nov; 47(11):1255–8 (30 ref.)

RADIOGRAPHY

Spontaneously healed vein of Galen aneurysms. Clinical radiological features. Beltramello A, et al. **Childs Nerv Syst** 1991 Jun;7(3):129–34 (28 ref.)
Intraoperative angiography in cerebrovascular surgery. Martin N, et al. **Clin Neurosurg** 1991;37:312–31 (20 ref.)

RADIOTHERAPY

Radiosurgery: a nursing perspective. Krause EA, et al. **J Neurosci Nurs** 1991 Feb;23(1):24–8 (7 ref.)
The influence of volume on the tolerance of the brain to radiosurgery. Marks LB, et al. **J Neurosurg** 1991 Aug; 75(2):177–80 (15 ref.)

SURGERY

Surgical approaches to posterior fossa arteriovenous malformations. Stein BM, et al. **Clin Neurosurg** 1991; 37:353–71 (23 ref.)
[Stereotaxic radiosurgery:methods and indications in the treatment of cerebral arteriovenous malformations] Blond S, et al. **Agressologie** 1990 May;31(5):277–9 (10 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

[Cerebral arteriovenous malformations. Natural history. Therapeutic approaches] Andreussi L, et al. **Agressologie** 1990 May;31(5):237–9 (13 ref.) (Eng. Abstr.) **(Fre)**

CEREBRAL ARTERY DISEASES

COMPLICATIONS

[Cerebral amyloid angiopathy (CAA) and cerebrovascular disease] Yamanouchi H. **Nippon Rinsho** 1991 Apr; 49(4):939–44 (22 ref.) **(Jpn)**

DIAGNOSIS

[Diagnostic contribution of the new imaging systems in arterial and nerve disorders of the posterior fossa] Darrouzet V, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991; 112(3):239–44 (31 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Angiography of the intracranial vessels. Colosimo C, et al. **Rays** 1990 Apr–Jun;15(2):243–67 (41 ref.) **(Eng, Ita)**

THERAPY

Interventional neuroradiology. Jacobs JM. **Curr Opin Radiol** 1991 Feb;3(1):37–45 (29 ref.)

[Preoperative treatment of arterial spasm and preparation of the patient for surgery of intracranial aneurysm] Chacornac R. **Agressologie** 1990 Jun;31(6):315–9 (48 ref.) (Eng. Abstr.) **(Fre)**

CEREBRAL CORTEX

see related
ELECTROENCEPHALOGRAPHY

ABNORMALITIES

The agyria–pachygyria complex: a spectrum of cortical malformations. Aicardi J. **Brain Dev** 1991;13(1):1–8 (43 ref.)

Diagnostic features and clinical signs of 21 patients with lissencephaly type 1. de Rijk–van Andel JF, et al. **Dev Med Child Neurol** 1990 Aug;32(8):707–17 (46 ref.)

ANATOMY & HISTOLOGY

Morphological changes in the geniculocortical pathway associated with monocular deprivation. Tieman SB. **Ann N Y Acad Sci** 1991;627:212–30 (106 ref.)

Monoamine systems in the cerebral cortex: evidence for anatomical specificity. Papadopoulos GC, et al. **Prog Neurobiol** 1991;36(3):195–200 (79 ref.)

Higher centers concerned with eye movement and visual attention: cerebral cortex and thalamus. Leichnetz GR, et al. **Rev Oculomot Res** 1988;2:365–429 (342 ref.)

BLOOD SUPPLY

[Acute subdural hematoma of arteriolar origin. Traumatic or spontaneous?] Bongioanni F, et al. **Neurochirurgie** 1991; 37(1):26–31 (25 ref.) (Eng. Abstr.) **(Fre)**

CHEMISTRY

Distribution patterns of CCK and CCK mRNA in some neuronal and non–neuronal tissues. Hökfelt T, et al. **Neuropeptides** 1991 Jul;19 Suppl:31–43 (83 ref.)

[Neuropeptides and Alzheimer's disease] Jiménez A, et al. **Neurologia** 1991 Jan;6(1):17–24 (98 ref.) **(Spa)**

CYTOLOGY

"Specificity versus (quasi–) randomness" revisited. Szentágothai J. **Acta Morphol Hung** 1990;38(3–4):159–67 (20 ref.)

The specification of neuronal identity in the mammalian cerebral cortex. McConnell SK. **Experientia** 1990 Sep 15; 46(9):922–9 (70 ref.)

Glial cell lineage in the cerebral cortex: a review and synthesis. Cameron RS, et al. **GLIA** 1991;4(2):124–37 (187 ref.)

Ontogeny of radial and other astroglial cells in murine cerebral cortex. Mission JP, et al. **GLIA** 1991;4(2):138–48 (50 ref.)

DRUG EFFECTS

Antagonists of NMDA–activated current in cortical neurons: competition with glycine and blockade of open channels. Huettner JE. **Adv Exp Med Biol** 1990;268:35–43 (42 ref.)

EMBRYOLOGY

Origin, formation, and prenatal maturation of the human cerebral cortex: an overview. Marin–Padilla M. **J Craniofac Genet Dev Biol** 1990;10(2):137–46 (44 ref.)

Experimental manipulation of cerebral cortical areas in primates. Rakic P. **Philos Trans R Soc Lond [Biol]** 1991 Mar 29;331(1261):291–4 (26 ref.)

A general theory concerning the prenatal origins of cerebral lateralization in humans. Previc FH. **Psychol Rev** 1991 Jul; 98(3):299–334 (590 ref.)

GROWTH & DEVELOPMENT

Cell lineage and cell migration in the developing cerebral cortex. Walsh C, et al. **Experientia** 1990 Sep 15;46(9):940–7 (104 ref.)

Enhanced cortical maturation: gangliosides in CNS plasticity. Karpiak SE, et al. **Prog Brain Res** 1990;85:299–308; discussion 308–9 (67 ref.)

METABOLISM

Neuropeptide Y in cortex and striatum. Ultrastructural distribution and coexistence with classical neurotransmitters and neuropeptides. Aoki C, et al. **Ann N Y Acad Sci** 1990;611:186–205 (48 ref.)

The mesoneocortical dopamine neuron system. De Keyser J, et al. **Neurology** 1990 Nov;40(11):1660–2 (44 ref.)

Neurotransmitters in the cerebral cortex. Parnavelas JG. **Prog Brain Res** 1990;85:13–29 (137 ref.)

[Mesolimbocortical dopamine system] Toru M. **No To Shinkei** 1991 Apr;43(4):319–29 (60 ref.) **(Jpn)**

PATHOLOGY

Corticonigral degeneration with neuronal achromasia and basal neurofibrillary tangles. Paulus W, et al. **Acta Neuropathol (Berl)** 1990;81(1):89–94 (39 ref.)

Progressive neuronal degeneration of childhood with liver disease (Alpers–Huttenlocher syndrome): a personal review. Harding BN. **J Child Neurol** 1990 Oct;5(4):273–87 (38 ref.)

[Visuo–constructional disorders and alexia–agraphia associated with posterior cortical atrophy] Croisile B, et al. **Rev Neurol (Paris)** 1991;147(2):138–43 (31 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Cortical control of saccades in man. Pierrot–Deseilligny C. **Acta Neurol Belg** 1991;91(2):63–79 (70 ref.)

Internal and external control: a two–factor model of amplitude change of event–related potentials. Kok A. **Acta Psychol (Amst)** 1990 Aug;74(2–3):203–36 (100 ref.)

Electroencephalographic and magnetoencephalographic studies of motor function. Weinberg H, et al. **Adv Neurol** 1990;54:193–205 (56 ref.)

An analysis of the correlation of lesion size, localization and behavioral effects in 283 published studies of cortical and subcortical lesions in old–world monkeys. Irle E. **Brain Res Brain Res Rev** 1990 Sep–Dec;15(3):181–213 (372 ref.)

Cerebral cortical and brainstem areas related to the central control of lens accommodation in cat and monkey. Bando T, et al. **Comp Biochem Physiol [C]** 1991;98(1):229–37 (116 ref.)

Current evaluation of the concepts of centrencephalic and cortico–reticular seizures [editorial] Jasper HH. **Electroencephalogr Clin Neurophysiol** 1991 Jan;78(1):2–11 (64 ref.)

The Kugelberg lecture. Brain mechanisms of voluntary motor commands––a review. Porter R. **Electroencephalogr Clin Neurophysiol** 1990 Oct; 76(4):282–93 (31 ref.)

Excitatory and inhibitory effects of magnetic coil stimulation of human cortex. Cracco RQ, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:134–9 (17 ref.)

Migraine––why and how a cortical excitatory wave may initiate the aura and headache. Hardebo JE. **Headache** 1991 Apr;31(4):213–21 (81 ref.)

Cortical sensorimotor integration: a hypothesis. Batuev AS. **Int J Neurosci** 1989 Jan;44(1–2):53–7 (9 ref.)

The role of afferent activity in the maintenance of primate neocorticalfunction. Jones EG. **J Exp Biol** 1990 Oct; 153:155–76 (128 ref.)

Cortical organization of language. Ojemann GA. **J Neurosci** 1991 Aug;11(8):2281–7 (68 ref.)

Mesocorticolimbic dopaminergic systems and emotional states. Bertolucci–D'Angio M, et al. **J Neurosci Methods** 1990 Sep;34(1–3):135–42 (32 ref.)

Long–term potentiation and depression in the cerebral neocortex. Tsumoto T. **Jpn J Physiol** 1990;40(5):573–93 (75 ref.)

Excitatory amino acid transmitters and their receptors in neural circuits of the cerebral neocortex. Tsumoto T. **Neurosci Res** 1990 Nov;9(2):79–102 (208 ref.)

Event–related brain potentials and vigilance performance: dissociations abound, a review. Koelega HS, et al. **Percept Mot Skills** 1991 Jun;72(3 Pt 1):971–82 (50 ref.)

GABAergic and dopaminergic transmission in the rat cerebral cortex: effect of stress, anxiolytic and anxiogenic drugs. Biggio G, et al. **Pharmacol Ther** 1990;48(2):121–42 (190 ref.)

Basal ganglia–thalamocortical circuits: parallel substrates for motor, oculomotor, "prefrontal" and "limbic" functions. Alexander GE, et al. **Prog Brain Res** 1990;85:119–46 (170 ref.)

Involvement of mesocorticolimbic dopaminergic systems in emotional states. Bertolucci–D'Angio M, et al. **Prog Brain Res** 1990;85:405–16; discussion 416–7 (35 ref.)

Distributed neuroelectric patterns of human neocortex during simple cognitive tasks. Gevins A. **Prog Brain Res** 1990; 85:337–54; discussion 354–5 (30 ref.)

Age–dependent effects of lesioning the mesocortical dopamine system upon prefrontal cortex morphometry and PFC–related behaviors. Kalsbeek A, et al. **Prog Brain Res** 1990;85:257–82; discussion 282–3 (156 ref.)

Forebrain nuclei involved in autonomic control. Loewy AD. **Prog Brain Res** 1991;87:253–68 (66 ref.)

Prefrontal cortex in relation to other cortical areas in rhesus monkey: architecture and connections. Pandya DN, et al. **Prog Brain Res** 1990;85:63–94 (130 ref.)

Dreaming: cognitive processes during cortical activation and high afferent thresholds. Antrobus J. **Psychol Rev** 1991 Jan; 98(1):96–121 (95 ref.)

Effects of mesocortical dopaminergic lesions upon subcortical dopaminergic function. Haroutunian V, et al. **Psychopharmacol Bull** 1988;24(3):341–4 (15 ref.)

Dopaminergic innervation of the cerebral cortex: unexpected differences between rodents and primates [published erratum appears in Trends Neurosci 1991 Mar;14(3):119] Berger B, et al. **Trends Neurosci** 1991 Jan;14(1):21–7 (52 ref.)

A role for GABAB receptors in excitation and inhibition of thalamocortical cells. Crunelli V, et al. **Trends Neurosci** 1991 Jan;14(1):16–21 (48 ref.)

Corticospinal, rubrospinal and rubro–olivary projections: a unifying hypothesis [published erratum appears in Trends Neurosci 1991 Jan;14(1):13] Kennedy PR. **Trends Neurosci** 1990 Dec;13(12):474–9 (52 ref.)

Is the cerebral cortex modular? Swindale NV. **Trends Neurosci** 1990 Dec;13(12):487–92 (40 ref.)

Cortical connections of MT in four species of primates: areal, modular, and retinotopic patterns. Krubitzer LA, et al. **Vis Neurosci** 1990 Aug;5(2):165–204 (147 ref.)

[Cortical neuronal modules and their "self–assembly"] Batuev AS, et al. **Zh Vyssh Nerv Deiat** 1991 Mar–Apr;41(2):221–30 (20 ref.) (Eng. Abstr.) **(Rus)**

[Cortical–subcortical interactions in the process of forming emotions] Simonov PV. **Zh Vyssh Nerv Deiat** 1991 Mar–Apr;41(2):211–20 (33 ref.) **(Rus)**

[The system of synaptic influences on the neocortical neurons in the conditioned reflex] Storozhuk VM. **Zh Vyssh Nerv Deiat** 1990 Sep–Oct;40(5):819–33 (59 ref.) **(Rus)**

PHYSIOPATHOLOGY

Cerebral hemispheric smooth pursuit disorders. Sharpe JA, et al. **Acta Neurol Belg** 1991;91(2):81–96 (72 ref.)

Clinical correlations of the neurobiological changes of aging. Procter AW, et al. **Ann Med Interne (Paris)** 1990;141 Suppl 1:3–6 (38 ref.)

Cerebral akinetopsia (visual motion blindness). A review. Zeki S. **Brain** 1991 Apr;114 (Pt 2):811–24 (68 ref.)

Facial recognition 1990. Benton A. **Cortex** 1990 Dec; 26(4):491–9 (35 ref.)

Associative agnosias and the functions of the left hemisphere. Goldberg E. **J Clin Exp Neuropsychol** 1990 Aug; 12(4):467–84 (90 ref.)

Phasic versus tonic dopamine release and the modulation of dopamine system responsivity: a hypothesis for the etiology of schizophrenia. Grace AA. **Neuroscience** 1991;41(1):1–24 (355 ref.)

Indices of neural function in autism: clinical and biologic implications. Minshew NJ. **Pediatrics** 1991 May;87(5 Pt 2):774–80 (49 ref.)

Schizophrenia, corpus callosum, and interhemispheric communication: a review. Coger RW, et al. **Psychiatry Res** 1990 Nov;34(2):163–84 (55 ref.)

Schizophrenia: a subcortical neurotransmitter imbalance syndrome? Carlsson M, et al. **Schizophr Bull** 1990; 16(3):425–32 (40 ref.)

[Syndrome of partial cholinergic deafferentation of the cortical mantle––a concept for describing the brain–behavior relationship in dementia diseases] Arendt T. **Fortschr Neurol Psychiatr** 1991 Mar;59(3):81–91 (82 ref.) (Eng. Abstr.) **(Ger)**

[Event–related potentials in psychiatry––methodologic principles] Münte F, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Nov; 42(11):649–59 (50 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

The place of hemispherectomy and major cortical resection in the control of drug resistant epilepsy. Polkey CE. **Acta Neurochir Suppl (Wien)** 1990;50:131–3 (13 ref.)

Cortical resections outside the temporal lobe for intractable epilepsy––excluding multilobar resections and hemispherectomy. Polkey CE. **Acta Neurochir Suppl (Wien)** 1990;50:128–30 (12 ref.)

ULTRASTRUCTURE

[An autopsy case of idiopathic parkinsonism with numerous Lewy bodies in the cerebral cortex––diffuse Lewy body disease] Akashi T, et al. **No To Shinkei** 1991 Feb; 43(2):175–81 (18 ref.) (Eng. Abstr.) **(Jpn)**

CEREBRAL DOMINANCE see **DOMINANCE, CEREBRAL**

CEREBRAL EMBOLISM AND THROMBOSIS

COMPLICATIONS

Childhood stroke after minor neck trauma: case report. Ko GD, et al. **Arch Phys Med Rehabil** 1990 Oct;71(11):923–6 (19 ref.)

DIAGNOSIS

Dural sinus thrombosis. McLean BN. **Br J Hosp Med** 1991 Apr;45(4):226–31 (30 ref.)

DRUG THERAPY

[Platelet function inhibitors in cerebral arterial occlusive disease] Fitscha P, et al. **Vasa Suppl** 1990;30:16–20 (24 ref.) **(Ger)**

ETIOLOGY

Paradoxical embolism—an uncommon cause of stroke. Webster MW, et al. **Aust N Z J Med** 1990 Oct;20(5):723–5 (24 ref.)

Perioperative stroke. Part II: Cardiac surgery and cardiogenic embolic stroke. Wong DH. **Can J Anaesth** 1991 May;38(4 Pt 1):471–88 (202 ref.)

Spontaneous regression of giant arteriovenous fistulae during the perinatal period. Case report. Hanigan WC, et al. **J Neurosurg** 1990 Dec;73(6):954–7 (18 ref.)

Of birds and nests and brain emboli. Caplan LR. **Rev Neurol (Paris)** 1991;147(4):265–73 (60 ref.)

[Heart diseases as a cause of cerebral symptoms and syndromes] Herrschaft H. **Fortschr Neurol Psychiatr** 1990 Aug;58(8):287–300 (177 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

[Anterior cerebral artery occlusion clinical analysis of 27 self-experienced cases] Nakajima K. **No To Shinkei** 1990 Sep;42(9):821–34 (17 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

The role of microthrombi and microcirculatory factors in localization and evolution of focal cerebral ischemia. Heye N, et al. **Neurosurg Rev** 1991;14(1):7–16 (37 ref.)

THERAPY

[Intervention radiology lends new therapeutic possibilities in brain diseases] Svendsen P, et al. **Lakartidningen** 1991 May 22;88(21):1968–9 (5 ref.) **(Swe)**

CEREBRAL HEMORRHAGE

[Primary intraventricular hemorrhage in the adult] Ara JR, et al. **Neurologia** 1991 Jan;6(1):13–6 (17 ref.) (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Haemorrhagic aspects of thrombolytic therapy. Samama M. **Eur Heart J** 1990 Aug;11 Suppl F:15–8 (23 ref.)

COMPLICATIONS

Neurocytoma accompanied by intraventricular hemorrhage: case report and literature review. Smoker WR, et al. **AJNR Am J Neuroradiol** 1991 Jul–Aug;12(4):765–70 (11 ref.)

[Right unilateral auditory agnosia following left lenticular hemorrhage] Pasquier F, et al. **Rev Neurol (Paris)** 1991; 147(2):129–37 (37 ref.) (Eng. Abstr.) **(Fre)**

[Pure sensory syndrome caused by capsular hemorrhage in the territory of distribution of the anterior choroid artery (letter)] Arboix A, et al. **Neurologia** 1990 Aug–Sep; 5(7):251–2 (15 ref.) **(Spa)**

DIAGNOSIS

Diagnosis and management of intracerebral hemorrhage in elderly patients. Kase CS. **Clin Geriatr Med** 1991 Aug; 7(3):549–67 (73 ref.)

Hemorrhagic and ischemic lesions of the perinatal brain. de Vries L, et al. **Int J Technol Assess Health Care** 1991;7 Suppl 1:99–105 (40 ref.)

[Hematoma of the head of the caudate nucleus] Pedrazzi P, et al. **Rev Neurol (Paris)** 1990;146(12):726–38 (50 ref.) (Eng. Abstr.) **(Fre)**

[31P chemical shift imaging of cerebral infarction, intracerebral hematoma and brain tumor] Sasahira M, et al. **Nippon Rinsho** 1991 Jul;49(7):1690–6 (27 ref.) **(Jpn)**

DRUG THERAPY

Efficacy of nimodipine in cerebral ischemia or hemorrhage. Teasdale G, et al. **Stroke** 1990 Dec;21(12 Suppl):IV123–5 (10 ref.)

[Treatment and experimental study on activating blood circulation and removing blood stasis to cerebral hemorrhage during acute stage] Wang HS. **Chung Hsi I Chieh Ho Tsa Chih** 1990 Nov;10(11):694–6 (21 ref.) **(Chi)**

ETIOLOGY

Fetal periventricular hemorrhage in von Willebrand's disease: short review and first case presentation. Mullaart RA, et al. **Am J Perinatol** 1991 May;8(3):190–2 (16 ref.)

Uncommon causes of intraventricular hemorrhage. Taheri SA, et al. **Clin Neurol Neurosurg** 1990;92(3):195–202 (44 ref.)

Spontaneous regression of giant arteriovenous fistulae during the perinatal period. Case report. Hanigan WC, et al. **J Neurosurg** 1990 Dec;73(6):954–7 (18 ref.)

Intracranial hemorrhage from aneurysms and arteriovenous malformations during pregnancy and the puerperium. Dias MS, et al. **Neurosurgery** 1990 Dec;27(6):855–65; discussion 865–6 (109 ref.)

Intracerebral hemorrhage after lumbar myelography with iohexol: report of a case and review of the literature. Van de Kelft E, et al. **Neurosurgery** 1991 Apr;28(4):570–4 (38 ref.)

Dental chair apoplexy. Cawley CM 3d, et al. **South Med J** 1991 Jul;84(7):907–9 (12 ref.)

Pathogenesis and biomechanics of traumatic intracranial haemorrhages. Crooks DA. **Virchows Arch A Pathol Anat Histopathol** 1991; 418(6):479–83 (29 ref.)

[Cerebral arteriovenous malformations. Natural history. Therapeutic approaches] Andreussi L, et al. **Agressologie** 1990 May;31(5):237–9 (13 ref.) (Eng. Abstr.) **(Fre)**

[Opticochiasmatic apoplexy] Lejeune JP, et al. **Neurochirurgie** 1990;36(5):303–7 (15 ref.) (Eng. Abstr.) **(Fre)**

[Aneurysms with severe clinical manifestations (Hunt and Hess grade IV and V). A series of 66 cases] Sevrain L, et al. **Neurochirurgie** 1990;36(5):287–96 (23 ref.) (Eng. Abstr.) **(Fre)**

[Heart diseases as a cause of cerebral symptoms and syndromes] Herrschaft H. **Fortschr Neurol Psychiatr** 1990 Aug;58(8):287–300 (177 ref.) (Eng. Abstr.) **(Ger)**

[Cerebral amyloid angiopathy (CAA) and cerebrovascular disease] Yamanouchi H. **Nippon Rinsho** 1991 Apr; 49(4):939–44 (22 ref.) **(Jpn)**

GENETICS

Hereditary cerebral hemorrhage with amyloidosis—Dutch type: its importance for Alzheimer research. Haan J, et al. **Trends Neurosci** 1991 Jun;14(6):231–4 (68 ref.)

PATHOLOGY

The IVH complex of lesions: cerebrovascular injury in the preterm infant. Allan WC. **Neurol Clin** 1990 Aug; 8(3):529–51 (43 ref.)

PREVENTION & CONTROL

Antenatal therapy to minimize neonatal intraventricular hemorrhage. Morales WJ. **Clin Obstet Gynecol** 1991 Jun; 34(2):328–35 (39 ref.)

[Intra-partum ethamsylate (dicynone) administration in the prevention of cerebral hemorrhage in premature infants] Györe F, et al. **Orv Hetil** 1990 Dec 16;131(50):2747–52 (26 ref.) (Eng. Abstr.) **(Hun)**

RADIOGRAPHY

Subependymal-intraventricular hemorrhage in the newborn. Krishnamoorthy KS, et al. **Indian J Pediatr** 1990 May–Jun; 57(3):313–23 (15 ref.)

SURGERY

[Surgical treatment of acute craniocerebral trauma] Gugg E, et al. **Aktuel Traumatol** 1991 Apr;21(2):35–9 (14 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Spontaneous intracerebral haemorrhage [editorial] Mendelow AD. **J Neurol Neurosurg Psychiatry** 1991 Mar;54(3):193–5 (52 ref.)

[The treatment of traumatic intracerebral hematomas] Lantukh AV. **Zh Vopr Neirokhir** 1991 Jan–Feb;(1):27–30 (114 ref.) **(Rus)**

CEREBRAL INFARCTION

The spectrum of cerebellar infarctions. Amarenco P. **Neurology** 1991 Jul;41(7):973–9 (77 ref.)

[Cerebral infarct of the lacunar type] Rebollo Alvarez-Amandi M. **Med Clin (Barc)** 1990 Jun 16; 95(3):110–5 (75 ref.) **(Spa)**

BLOOD

Stroke in a young adult with Fletcher trait. Hess DC, et al. **South Med J** 1991 Apr;84(4):507–8 (13 ref.)

CLASSIFICATION

[Brain infarct; current developments] Koudstaal PJ. **Ned Tijdschr Geneeskd** 1991 Aug 3;135(31):1389–92 (30 ref.) **(Dut)**

COMPLICATIONS

[Benign pseudovestibular cerebellar infarction] Masson C, et al. **Ann Med Interne (Paris)** 1990;141(5):480–2 (10 ref.) **(Fre)**

[Total deafness after multiple pontine infarctions. Dolichoectasia of the basilar trunk] Davous P, et al. **Rev Neurol (Paris)** 1991;147(3):234–7 (21 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

The spectrum of lacunar infarction in the elderly. Bruno A, et al. **Clin Geriatr Med** 1991 Aug;7(3):443–53 (22 ref.)

[Current approach in the acute treatment of brain infarction] Limburg M, et al. **Ned Tijdschr Geneeskd** 1991 Aug 3; 135(31):1392–6 (59 ref.) **(Dut)**

[Study of cerebral infarction using 31P MRS] Higuchi T, et al. **Nippon Rinsho** 1991 Jul;49(7):1668–73 (17 ref.) **(Jpn)**

[31P chemical shift imaging of cerebral infarction, intracerebral hematoma and brain tumor] Sasahira M, et al. **Nippon Rinsho** 1991 Jul;49(7):1690–6 (27 ref.) **(Jpn)**

DRUG THERAPY

[Thrombolytic agents in cerebral infarctions] Rosa A, et al. **Rev Neurol (Paris)** 1991;147(2):99–110 (76 ref.) (Eng. Abstr.) **(Fre)**

[Platelet function inhibitors in cerebral arterial occlusive disease] Fitscha P, et al. **Vasa Suppl** 1990;30:16–20 (24 ref.) **(Ger)**

ETIOLOGY

Alcohol abuse and brain infarction. Hillbom M, et al. **Ann Med** 1990;22(5):347–52 (46 ref.)

Childhood stroke after minor neck trauma: case report. Ko GD, et al. **Arch Phys Med Rehabil** 1990 Oct;71(11):923–6 (19 ref.)

Sickle cell trait and stroke in the young adult. Radhakrishnan K, et al. **Postgrad Med J** 1990 Dec;66(782):1078–80 (19 ref.)

[Neurological disorders disclosing auricular myxoma: 3 cases] Bonnefoi B, et al. **Rev Neurol (Paris)** 1990;146(8–9):508–10 (14 ref.) (Eng. Abstr.) **(Fre)**

[Infarction of the pons, neurosyphilis and HIV infection] Labauge R, et al. **Rev Neurol (Paris)** 1991;147(5):406–8 (22 ref.) (Eng. Abstr.) **(Fre)**

[Cerebral amyloid angiopathy (CAA) and cerebrovascular disease] Yamanouchi H. **Nippon Rinsho** 1991 Apr; 49(4):939–44 (22 ref.) **(Jpn)**

[Persistent primitive proatlantal intersegmental artery (PPPIA) presenting with cerebral infarction] Ishiguro M, et al. **No Shinkei Geka** 1991 Jun;19(6):559–63 (23 ref.) (Eng. Abstr.) **(Jpn)**

[Cerebral infarction in young people: etiological and diagnostic aspects] Barinagarrementería F. **Neurologia** 1991 Feb;6(2):56–64 (92 ref.) **(Spa)**

PHYSIOPATHOLOGY

Natural history and pathophysiology of brain infarction. Mohr JP. **Circulation** 1991 Feb;83(2 Suppl):I172–5 (39 ref.)

Can we reverse ischemic penumbra? Some mechanisms in the pathophysiology of energy-compromised brain tissue. Procter AW. **Clin Neuropharmacol** 1990;13 Suppl 3:S34–9 (35 ref.)

PREVENTION & CONTROL

Epidemiology of and stroke-preventive strategies for atherothromboembolic brain infarction in the elderly. Adams HP Jr, et al. **Clin Geriatr Med** 1991 Aug;7(3):401–16 (51 ref.)

RADIOGRAPHY

[Pattern of cerebral infarct in computerized tomography. Pathophysiologic concepts, validation and clinical relevance] Ringelstein EB, et al. **Nervenarzt** 1990 Aug; 61(8):462–71 (41 ref.) (Eng. Abstr.) **(Ger)**

CEREBRAL ISCHEMIA

Ischemic cerebral vascular disease: an overview. Fisher M. **Arq Neuropsiquiatr** 1991 Mar;49(1):1–10 (30 ref.)

Pathophysiology of ischemic brain disease. Fieschi C, et al. **Stroke** 1990 Dec;21(12 Suppl):IV9–11 (37 ref.)

BLOOD

Blood glucose level and morphological brain damage following cerebral ischemia. Marie C, et al. **Cerebrovasc Brain Metab Rev** 1991 Spring;3(1):29–38 (76 ref.)

COMPLICATIONS

Altitudinal hemianopia; a clinical and anatomical entity or a mere coincidence? Case report and review of literature. Vanroose E, et al. **Acta Neurol Belg** 1990;90(5):254–64 (18 ref.)

Protection against ischaemic neuronal damage by drugs acting on excitatory neurotransmission. Meldrum B. **Cerebrovasc Brain Metab Rev** 1990 Spring;2(1):27–57 (212 ref.)

The etiology of multiple sclerosis: a new and extended vascular-ischemic model. Gottlieb SF, et al. **Med Hypotheses** 1990 Sep;33(1):23–9 (37 ref.)

MEDICAL REVIEWS

DIAGNOSIS

Recent advances in MR imaging/spectroscopy of cerebral ischemia. Baker LL, et al. **AJR Am J Roentgenol** 1991 Jun; 156(6):1133–43 (89 ref.)

Noninvasive evaluation of cerebral ischemia. Trends for the 1990s. Tsuruda JS, et al. **Circulation** 1991 Feb;83(2 Suppl):I176–89 (72 ref.)

Hemorrhagic and ischemic lesions of the perinatal brain. de Vries L, et al. **Int J Technol Assess Health Care** 1991;7 Suppl 1:99–105 (40 ref.)

MRI in cerebrovascular ischemic disease. Scotti G, et al. **Rays** 1990 Apr–Jun;15(2):195–202 (15 ref.) **(Eng, Ita)**

DRUG THERAPY

Calcium antagonists in the treatment of experimental cerebral ischemia. Ginsberg MD, et al. **Arzneimittelforschung** 1991 Mar;41(3A):334–7 (37 ref.)

Assessment of therapeutic effects in ischemic stroke. Hachinski VC. **Arzneimittelforschung** 1991 Mar; 41(3A):338–9 (6 ref.)

Monosialoganglioside GM1 in cerebral ischemia. Carolei A, et al. **Cerebrovasc Brain Metab Rev** 1991 Summer; 3(2):134–57 (130 ref.)

Medical management of acute cerebral ischemia in the elderly. Biller J, et al. **Clin Geriatr Med** 1991 Aug; 7(3):455–73 (128 ref.)

Low-molecular-weight heparins and heparinoids and their use in acute or progressing ischemic stroke. Gordon DL, et al. **Clin Neuropharmacol** 1990 Dec;13(6):522–43 (130 ref.)

Current therapy of ischaemic stroke. Maiti B. **J Assoc Physicians India** 1990 Jul;38(7):481–5 (21 ref.)

Adenosine: its relevance to the treatment of brain ischemia and trauma. Marangos PJ, et al. **Prog Clin Biol Res** 1990; 361:331–49 (41 ref.)

[Pharmacologic basis of therapy for cerebral ischemia] Krieglstein J, et al. **Arzneimittelforschung** 1991 Mar; 41(3A):303–9 (32 ref.) (Eng. Abstr.) **(Ger)**

[Platelet function inhibitors in cerebral arterial occlusive disease] Fitscha P, et al. **Vasa Suppl** 1990;30:16–20 (24 ref.) **(Ger)**

EPIDEMIOLOGY

[Risk factors in cerebral ischemic vascular diseases and their primary prevention] Popescu IA. **Rev Med Interna Neurol Psihiatr Neurochir Dermatovenerol Neurol Psihiatr Neurochir** 1990 Jan–Mar;35(1):9–16 (26 ref.) **(Rum)**

ETIOLOGY

[Heart diseases as a cause of cerebral symptoms and syndromes] Herrschaft H. **Fortschr Neurol Psychiatr** 1990 Aug;58(8):287–300 (177 ref.) (Eng. Abstr.) **(Ger)**

[Disorders of carbohydrate-lipid metabolism in cerebral ischemia] Maciejek Z, et al. **Wiad Lek** 1990 Sep 1–15; 43(17–18):890–4 (52 ref.) **(Pol)**

METABOLISM

Studies on eicosanoid metabolism in the fetal rat brain after global ischemia. Yavin E, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:749–52 (14 ref.)

Intracellular calcium and pathophysiological changes in cerebral ischemia. Greenberg JH, et al. **Arzneimittelforschung** 1991 Mar;41(3A):324–33 (23 ref.)

The biochemical basis of ischemic brain lesions. Siesjö BK, et al. **Arzneimittelforschung** 1991 Mar;41(3A):288–92 (21 ref.)

Local metabolic responses to cerebral ischemia. Ginsberg MD. **Cerebrovasc Brain Metab Rev** 1990 Spring;2(1):58–93 (278 ref.)

Possible mechanisms limiting N-methyl-D-aspartate receptor overactivation and the therapeutic efficacy of N-methyl-D-aspartate antagonists. Choi DW. **Stroke** 1990 Nov;21(11 Suppl):III20–2 (42 ref.)

Acid–base changes during complete brain ischemia. Siesjö BK, et al. **Stroke** 1990 Nov;21(11 Suppl):III194–9 (26 ref.)

PATHOLOGY

Possible involvement of free radical formation in post-ischemic neuronal damage. Yamasaki Y, et al. **Jpn J Med** 1990 Nov–Dec;29(6):677–9 (2 ref.)

Limitations of in vitro models of ischemia. Choi DW. **Prog Clin Biol Res** 1990;361:291–9 (14 ref.)

Magnetic resonance imaging of diffusion and perfusion. Moseley ME, et al. **Top Magn Reson Imaging** 1991 Jun; 3(3):50–67 (74 ref.)

PHYSIOPATHOLOGY

Experimental basis of multi-infarct dementia: memory impairments in rodent models of ischemia. Naritomi H. **Alzheimer Dis Assoc Disord** 1991 Summer;5(2):103–11 (28 ref.)

Platelet-activating factor in stroke and brain injury. Lindsberg PJ, et al. **Ann Neurol** 1991 Aug;30(2):117–29 (103 ref.)

Cerebral hemodynamics in ischemic cerebrovascular disease. Powers WJ. **Ann Neurol** 1991 Mar;29(3):231–40 (63 ref.)

Brain protection: physiological and pharmacological considerations. Part I: The physiology of brain injury. Murdoch J, et al. **Can J Anaesth** 1990 Sep;37(6):663–71 (98 ref.)

Progress in understanding the pathophysiology of cerebral ischemia: the almitrine–raubasine approach. Bentué-Ferrer D, et al. **Clin Neuropharmacol** 1990;13 Suppl 3:S9–25 (58 ref.)

Pathophysiology of brain ischemia as it relates to the therapy of acute ischemic stroke. Lassen NA. **Clin Neuropharmacol** 1990;13 Suppl 3:S1–8 (12 ref.)

Can we reverse ischemic penumbra? Some mechanisms in the pathophysiology of energy-compromised brain tissue. Procter AW. **Clin Neuropharmacol** 1990;13 Suppl 3:S34–9 (35 ref.)

Selective vulnerability of the hippocampus in brain ischemia. Schmidt-Kastner R, et al. **Neuroscience** 1991;40(3):599–636 (426 ref.)

Pathophysiology of cerebral ischemia and trauma in relation to possible therapeutic approaches. Meldrum B. **Prog Clin Biol Res** 1990;361:275–90 (63 ref.)

[Mediator substances of brain edema in cerebral ischemia] Baethmann A, et al. **Arzneimittelforschung** 1991 Mar; 41(3A):310–5 (25 ref.) (Eng. Abstr.) **(Ger)**

[Positron emission tomography for the determination of pathophysiology of cerebral ischemia] Herholz K, et al. **Arzneimittelforschung** 1991 Mar;41(3A):298–303 (52 ref.) (Eng. Abstr.) **(Ger)**

[Studies of experimental cerebral ischemia with NMR spectroscopy] Hossmann KA. **Arzneimittelforschung** 1991 Mar;41(3A):292–8 (29 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Brain protection: physiological and pharmacological considerations. Part II: The pharmacology of brain protection. Hall R, et al. **Can J Anaesth** 1990 Oct; 37(7):762–77 (118 ref.)

Extracranial–intracranial bypass to reduce the risk of ischemic stroke. Holohan TV. **Can Med Assoc J** 1991 Jun 1;144(11):1457–65 (44 ref.)

Do NMDA antagonists protect against cerebral ischemia: are clinical trials warranted? Buchan AM. **Cerebrovasc Brain Metab Rev** 1990 Spring;2(1):1–26 (102 ref.)

Extracranial–intracranial bypass to reduce the risk of ischemic stroke. Holohan TV. **Health Technol Assess Rep** 1990;(6):1–9 (44 ref.)

Extracranial atherosclerosis and cerebrovascular disease. Minimizing the risk of stroke. Salgado ED. **Postgrad Med** 1991 Mar;89(4):193–7 (19 ref.)

Prevention and treatment of delayed ischemic dysfunction in patients with aneurysmal subarachnoid hemorrhage. Tettenborn D, et al. **Stroke** 1990 Dec;21(12 Suppl):IV85–9 (34 ref.)

[Therapeutics and arterial aging. Antiaggregants] Decamps A, et al. **Ann Cardiol Angeiol (Paris)** 1991 Jun;40(6):377–84 (23 ref.) **(Fre)**

PSYCHOLOGY

Assessing suicide risk in stroke patients: review of two cases. Garden FH, et al. **Arch Phys Med Rehabil** 1990 Nov; 71(12):1003–5 (19 ref.)

RADIOGRAPHY

Angiography of epiaortic vessels. Bonomo L, et al. **Rays** 1990 Apr–Jun;15(2):221–41 (27 ref.) **(Eng, Ita)**

Role of computed tomography in cerebrovascular ischemia. Salvolini U, et al. **Rays** 1990 Apr–Jun;15(2):179–94 (20 ref.) **(Eng, Ita)**

RADIONUCLIDE IMAGING

Physiologic studies of cerebral ischemia. Leblanc R. **Clin Neurosurg** 1991;37:289–311 (53 ref.)

SURGERY

[Effect of extra- and intra-cranial vascular anastomosis on regional blood flow, studied by SPECT using 99m-Tc HMPAO] Pávics L, et al. **Orv Hetil** 1990 Oct 7; 131(40):2183–6 (41 ref.) (Eng. Abstr.) **(Hun)**

THERAPY

The experimental technology of brain transplantation: implications for rehabilitation. Deckel AW. **Adv Clin Rehabil** 1990;3:270–93 (84 ref.)

[The current status of cerebral resuscitation] Zander J. **Anasthesiol Intensivmed Notfallmed Schmerzther** 1991 May; 26(3):126–31 (69 ref.) **(Ger)**

CEREBRAL ISCHEMIA, TRANSIENT

Transient ischemic attacks: an update. Scheinberg P. **J Neurol Sci** 1991 Feb;101(2):133–40 (81 ref.)

The Willis lecture: transient ischemic attacks, scientific method, and new realities. Toole JF. **Stroke** 1991 Jan; 22(1):99–104 (61 ref.)

COMPLICATIONS

Endothelium-dependent relaxations and chronic vasospasm after subarachnoid hemorrhage. Kim P, et al. **Blood Vessels** 1990;27(2–5):263–8 (29 ref.)

CEREBRAL ISCHEMIA, TRANSIENT

DIAGNOSIS

How should we investigate TIAs. Babar SM, et al. **Cent Afr J Med** 1991 Mar;37(3):98–3 (0 ref.)

Recent developments in the diagnosis and management of patients with transient ischaemic attacks and minor ischaemic strokes. Sandercock P. **Q J Med** 1991 Feb; 78(286):101–12 (32 ref.)

DRUG THERAPY

Aspirin in transient ischemic attacks and minor stroke: a meta-analysis. Stachenko SJ, et al. **Fam Pract Res J** 1991 Jun;11(2):179–91 (37 ref.)

New pharmacological strategies in vascular diseases: a novel intracellular calcium antagonist, HA1077 (AT-877) and cerebral vasospasm. Asano T, et al. **Methods Find Exp Clin Pharmacol** 1990 Jul–Aug; 12(6):443–8 (11 ref.)

Relevance of focal cerebral ischemia models. Experience with fibrinolytic agents. del Zoppo GJ. **Stroke** 1990 Dec; 21(12 Suppl):IV155–60 (63 ref.)

Efficacy of nimodipine in cerebral ischemia or hemorrhage. Teasdale G, et al. **Stroke** 1990 Dec;21(12 Suppl):IV123–5 (10 ref.)

EPIDEMIOLOGY

[Risk factors in cerebral ischemic vascular diseases and their primary prevention] Popescu IA. **Rev Med Interna Neurol Psihiatr Neurochir Dermatovenerol Neurol Psihiatr Neurochir** 1990 Jan–Mar;35(1):9–16 (26 ref.) **(Rum)**

ETIOLOGY

Investigation of the vertebral artery in cerebral atherosclerosis. Ackerstaff RG, et al. **Eur J Vasc Surg** 1991 Jun;5(3):229–35 (61 ref.)

Carotid endarterectomy. Handelsman H. **Health Technol Assess Rep** 1990;(5):1–15 (130 ref.)

A review of hemoglobin and the pathogenesis of cerebral vasospasm. Macdonald RL, et al. **Stroke** 1991 Aug; 22(8):971–82 (201 ref.)

[Intracerebral cavernous angioma and transient ischemic complications] De Smet Y, et al. **Rev Neurol (Paris)** 1990; 146(8–9):513–5 (10 ref.) (Eng. Abstr.) **(Fre)**

[Neurologic complications of essential thrombocythemia. 6 cases (published erratum appears in Rev Neurol (Paris) 1991;147(4):273)] Labauge R, et al. **Rev Neurol (Paris)** 1991; 147(1):52–6 (27 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Glucose management during cardiopulmonary bypass: cardiovascular and neurologic implications [editorial; comment] Lanier WL. **Anesth Analg** 1991 Apr;72(4):423–7 (33 ref.) Comment on: Anesth Analg 1991 Apr;72(4):428–34.

Protein synthesis and the heart shock/stress response after ischemia. Nowak TS Jr. **Cerebrovasc Brain Metab Rev** 1990 Winter;2(4):345–66 (199 ref.)

MORTALITY

[Prognosis after transient ischemic attacks] Baumgartner C, et al. **Versicherungsmedizin** 1991 Jun 1;43(3):75–9 (51 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Cerebral vasospasm. Wilkins RH. **Crit Rev Neurobiol** 1990; 6(1):51–77 (186 ref.)

The control mechanism involved in post-subarachnoid hemorrhage vasospasm. Alvisi C, et al. **J Neurosurg Sci** 1991 Jan–Mar;35(1):1–8 (53 ref.)

The role of microthrombi and microcirculatory factors in localization and evolution of focal cerebral ischemia. Heye N, et al. **Neurosurg Rev** 1991;14(1):7–16 (37 ref.)

[Cerebral vasospasm and the protein kinase C-mediated contractile system] Asano T, et al. **No Shinkei Geka** 1991 Mar;19(3):207–19 (104 ref.) **(Jpn)**

SURGERY

[Carotid endarterectomy. Surgical complications and long-term prognosis] Iversen T, et al. **Tidsskr Nor Laegeforen** 1991 Aug 10;111(18):2253–5 (24 ref.) (Eng. Abstr.) **(Nor)**

THERAPY

Cerebral angioplasty: a new treatment for vasospasm secondary to subarachnoid hemorrhage. Cook HA. **J Neurosci Nurs** 1990 Oct;22(5):319–21 (16 ref.)

[Hypertensive-hypervolemic therapy in cerebral vasospasm] Haberl RL, et al. **Nervenarzt** 1990 Dec;61(12):749–51 (15 ref.) **(Ger)**

ULTRASONOGRAPHY

[Transcranial Doppler in the evaluation of vasospasm after subarachnoid hemorrhage] Kaech DL, et al. **Neurochirurgie** 1990;36(5):279–86 (27 ref.) (Eng. Abstr.) **(Fre)**

CEREBRAL PALSY

[Communicating with families of children with cerebral palsy] Przytycki A. **Harefuah** 1990 Aug;119(3–4):99–101 (12 ref.) **(Heb)**

DIAGNOSIS

Movement analysis--an aid to early diagnosis of cerebral palsy. Harris SR. **Phys Ther** 1991 Mar;71(3):215–21 (31 ref.)

[Hip changes in infantile cerebral palsy] Matthiass HH. **Z Orthop** 1990 Jul–Aug;128(4):373–6 (27 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

Cerebral palsy in multiple births in Western Australia: genetic aspects. Petterson B, et al. **Am J Med Genet** 1990 Nov; 37(3):346–51 (27 ref.)

PHYSIOPATHOLOGY

Gait analysis in the treatment of the ambulatory child with cerebral palsy. DeLuca PA. **Clin Orthop** 1991 Mar; (264):65–75 (23 ref.)

Cognitive strategies during coincident timing tasks. Goodgold-Edwards SA. **Phys Ther** 1991 Mar;71(3):236–43 (25 ref.)

REHABILITATION

Issues in the management of children with spastic cerebral palsy. Kohn JG. **Pediatrician** 1990;17(4):230–6 (48 ref.)

[Promoting the development of handicapped children--possibilities and limits and responsibilities of the pediatrician] Schlack HG. **Monatsschr Kinderheilkd** 1991 Jan;139(1):55–7 (31 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Cerebral palsy of the upper extremity. Manske PR. **Hand Clin** 1990 Nov;6(4):697–709 (49 ref.)

The role of functional dorsal rhizotomy for the treatment of children with spastic cerebral palsy. Nazar GB, et al. **J Ky Med Assoc** 1990 Sep;88(9):482–7 (29 ref.)

THERAPY

The management of cerebral palsy. Stern LM. **J Paediatr Child Health** 1990 Aug;26(4):184–7 (45 ref.)

Dorsal rhizotomy for children with cerebral palsy: support for concepts of motor control. Giuliani CA. **Phys Ther** 1991 Mar;71(3):248–59 (79 ref.)

[Infantile cerebral palsy. The current status and future prospects of treatment] Rafael H, et al. **Salud Publica Mex** 1991 Mar–Apr;33(2):184–9 (87 ref.) (Eng. Abstr.) **(Spa)**

CEREBRAL PEDUNCLE see **MESENCEPHALON**

CEREBRAL REVASCULARIZATION

[Effect of extra- and intra-cranial vascular anastomosis on regional blood flow, studied by SPECT using 99m-Tc HMPAO] Pávics L, et al. **Orv Hetil** 1990 Oct 7; 131(40):2183–6 (41 ref.) (Eng. Abstr.) **(Hun)**

METHODS

Extracranial-intracranial bypass to reduce the risk of ischemic stroke. Holohan TV. **Health Technol Assess Rep** 1990;(6):1–9 (44 ref.)

CEREBRAL SCLEROSIS, DIFFUSE

DIAGNOSIS

[Leukodystrophies: clinical aspects and findings with computerized tomography and magnetic resonance imaging] Magnaldi S. **Radiol Med (Torino)** 1991 Jul–Aug; 82(1–2):13–26 (70 ref.) (Eng. Abstr.) **(Ita)**

GENETICS

Progressive neuronal degeneration of childhood with liver disease (Alpers-Huttenlocher syndrome): a personal review. Harding BN. **J Child Neurol** 1990 Oct;5(4):273–87 (38 ref.)

CEREBRAL VASOSPASM see **CEREBRAL ISCHEMIA, TRANSIENT**

CEREBRAL VEINS

[Cerebral venous angiomas. 12 personal cases and review of the literature] Tannier C, et al. **Rev Neurol (Paris)** 1991; 147(5):356–63 (31 ref.) (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

The controversy of the periventricular white matter circulation: a review of the anatomic literature [comment] Mayer PL, et al. **AJNR** 1991 Mar–Apr;12(2):223–8 (63 ref.)
Comment on: AJNR Am J Neuroradiol 1991 Mar–Apr;12(2):215–22.

RADIOGRAPHY

Spontaneously healed vein of Galen aneurysms. Clinical radiological features. Beltramello A, et al. **Childs Nerv Syst** 1991 Jun;7(3):129–34 (28 ref.)

CEREBRAL VENTRICLE NEOPLASMS

COMPLICATIONS

Hemifacial spasm in an infant due to fourth ventricular ganglioglioma. Case report. Bills DC, et al. **J Neurosurg** 1991 Jul;75(1):134–7 (24 ref.)

[Spontaneous rhinorrhea disclosing intranasal meningoencephalocele and ependymoma of the 4th ventricle] Brunon J, et al. **Neurochirurgie** 1990;36(6):383–7 (20 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Choroid plexus papillomas of the posterior fossa in adults: MR imaging and gadolinium enhancement. Report of four cases and review of the literature. Girardot C, et al. **J Neuroradiol** 1990;17(4):303–18 (27 ref.) **(Eng, Fre)**

[Tumor of the fourth ventricle revealed by brain MRI in Recklinghausen's disease] Petiot A, et al. **Ann Dermatol Venereol** 1990;117(6–7):445–8 (13 ref.) **(Fre)**

[Meningeal hemorrhage disclosing a brain tumor in a child] Lena G, et al. **Ann Pediatr (Paris)** 1991 Mar;38(3):193–5 (10 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Familial occurrence of tumours of the choroid plexus. Zwetsloot CP, et al. **J Med Genet** 1991 Jul;28(7):492–4 (8 ref.)

SURGERY

Management of choroid plexus tumors in children. Johnson DL. **Pediatr Neurosci** 1989;15(4):195–206 (63 ref.)

CEREBRAL VENTRICLES

see related
INJECTIONS, INTRAVENTRICULAR

A case of intraventricular arachnoid cyst. How should it be treated? Kurokawa Y, et al. **Childs Nerv Syst** 1990 Sep; 6(6):365–7 (11 ref.)

[Cysticercosis of the 4th ventricle] Sandt G, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1990;127(1):45–9 (27 ref.) (Eng. Abstr.) **(Fre)**

[Meningitis and ventriculitis in the newborn infant] Figueras J, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 38:43–8 (41 ref.) **(Spa)**

[Primary intraventricular hemorrhage in the adult] Ara JR, et al. **Neurologia** 1991 Jan;6(1):13–6 (17 ref.) (Eng. Abstr.) **(Spa)**

[Hydatid cyst of the fourth ventricle] Gelabert González M, et al. **Rev Quir Esp** 1988 Sep–Oct;15(5):248–9 (10 ref.) (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Corpus callosum agenesis, spastic quadriparesis and irregular lining of the lateral ventricles on CT-scan. A distinct X-linked mental retardation syndrome? Vles JS, et al. **Genet Couns** 1990;1(2):97–102 (19 ref.)

METABOLISM

The anterior third ventricle region is a receptor site for composition rather than volume of body fluids. Lichardus B, et al. **Adv Exp Med Biol** 1990;274:211–26 (18 ref.)

PATHOLOGY

The IVH complex of lesions: cerebrovascular injury in the preterm infant. Allan WC. **Neurol Clin** 1990 Aug; 8(3):529–51 (43 ref.)

PHYSIOLOGY

[The transventricular pathway of hypothalamic neurohormone distribution--the most ancient mechanism of neurohormonal regulation] Polenov AL, et al. **Zh Evol Biokhim Fiziol** 1990 May–Jun;26(3):405–20 (68 ref.) **(Rus)**

ULTRASONOGRAPHY

Fetal ventricle: importance in routine obstetric sonography. Filly RA, et al. **Radiology** 1991 Oct;181(1):1–7 (40 ref.)

CEREBRAL VENTRICULOGRAPHY

Corpus callosum agenesis, spastic quadriparesis and irregular lining of the lateral ventricles on CT-scan. A distinct X-linked mental retardation syndrome? Vles JS, et al. **Genet Couns** 1990;1(2):97–102 (19 ref.)

CEREBROSIDE SULFATASE

DEFICIENCY

Arylsulfatase A (ASA) defect and psychiatric illness. A review. Shah SN. **Mol Chem Neuropathol** 1990 Mar; 12(2):121–9; discussion 143–5 (28 ref.)

GENETICS

Advances in the molecular genetics of metachromatic leukodystrophy. Gieselmann V, et al. **J Inherited Metab Dis** 1990;13(4):560–71 (42 ref.)

CEREBROSPINAL FLUID

see related
BLOOD-BRAIN BARRIER

CYTOLOGY

Approach to diagnosis of meningitis. Cerebrospinal fluid evaluation. Greenlee JE. **Infect Dis Clin North Am** 1990 Dec;4(4):583–98 (87 ref.)

[Mollaret benign recurrent aseptic meningitis. Case report, results of cerebrospinal fluid cytology and review of the literature] Bamborschke S, et al. **Nervenarzt** 1990 Oct; 61(10):615–9 (29 ref.) (Eng. Abstr.) **(Ger)**

[Cerebrospinal fluid cytologic diagnosis--possibilities and limits] Olischer RM. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Aug; 42(8):473–8 (8 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Role of colony-stimulating factors in leucocyte responses to inflammation and infection. Vadas MA, et al. **Curr Opin Immunol** 1991 Feb;3(1):97–104 (81 ref.)

MICROBIOLOGY

Pharmacodynamics of antibiotics in experimental bacterial meningitis--two sides to rapid bacterial killing in the cerebrospinal fluid. Täuber MG, et al. **Scand J Infect Dis Suppl** 1990;74:173–8 (35 ref.)

PHYSIOLOGY

Cerebrospinal fluid leak in the neonate--complication of fetal scalp electrode monitoring. Case report and review of the literature. Sorokin Y, et al. **Isr J Med Sci** 1990 Nov; 26(11):633–5 (14 ref.)

CEREBROSPINAL FLUID PRESSURE

PHYSIOLOGY

Elevated cerebrospinal fluid pressures in patients with cryptococcal meningitis and acquired immunodeficiency syndrome. Denning DW, et al. **Am J Med** 1991 Sep; 91(3):267–72 (39 ref.)

CEREBROSPINAL FLUID PROTEINS

ANALYSIS

Laboratory investigation of cerebrospinal fluid proteins. Thompson EJ, et al. **Ann Clin Biochem** 1990 Sep;27 (Pt 5):425–35 (97 ref.)

CEREBROSPINAL FLUID SHUNTS

Bone metastasis associated with shunt-related peritoneal deposits from a pineal germinoma. Case report and review of the literature. Pallini R, et al. **Acta Neurochir (Wien)** 1991;109(1–2):78–83 (35 ref.)

Meningitis in the neurosurgical patient. Kaufman BA, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):677–701 (137 ref.)

Cerebrospinal fluid shunt infections. Report of 41 cases and a critical review of the literature. Quigley MR, et al. **Pediatr Neurosci** 1989;15(3):111–20 (50 ref.)

ADVERSE EFFECTS

Delayed pneumocephalus in patients with CSF shunts. Mylonas C. **Br J Neurosurg** 1991;5(1):67–72 (19 ref.)

Ventriculoperitoneal shunt malfunction during pregnancy. Cusimano MD, et al. **Neurosurgery** 1990 Dec;27(6):969–71 (14 ref.)

Meningioma: the role of a foreign body and irradiation in tumor formation. Saleh J, et al. **Neurosurgery** 1991 Jul; 29(1):113–8; discussion 118–9 (47 ref.)

Candida albicans shunt infection. Shapiro S, et al. **Pediatr Neurosci** 1989;15(3):125–30 (20 ref.)

Hydrocephalus: overdrainage by ventricular shunts. A review and recommendations. Pudenz RH, et al. **Surg Neurol** 1991 Mar;35(3):200–12 (59 ref.)

METHODS

[Treatment of chronic hydrocephalus in adults by flow-regulated shunt. Apropos of a series of 46 patients] Duplessis E, et al. **Neurochirurgie** 1991;37(1):40–3 (31 ref.) (Eng. Abstr.) **(Fre)**

NURSING

Shunt lengthening: a descriptive review. Greif L, et al. **J Neurosci Nurs** 1991 Apr;23(2):120–4 (18 ref.)

CEREBROSPINAL RHINORRHEA

Primary spontaneous cerebrospinal fluid rhinorrhea.

Beckhardt RN, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):425–32 (26 ref.)
[Cerebrospinal fluid rhinorrhea] Yang W, et al. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1990;24(6):374–6 (19 ref.) **(Chi)**

ETIOLOGY

Traumatic anterior fossa cerebrospinal fluid fistulae and craniofacial considerations. Marentette LJ, et al. **Otolaryngol Clin North Am** 1991 Feb;24(1):151–63 (34 ref.)
[Apparently primary cerebrospinal rhinorrhea. Apropos of 4 cases] Martin C, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(1):41–8 (39 ref.) (Eng. Abstr.) **(Fre)**
[Spontaneous rhinorrhea disclosing intranasal meningoencephalocele and ependymoma of the 4th ventricle] Brunon J, et al. **Neurochirurgie** 1990;36(6):383–7 (20 ref.) (Eng. Abstr.) **(Fre)**
[The neurosurgical treatment of traumatic fronto-basal spinal fluid fistulas. 66 cases (1982–1986)] Probst C, et al. **Aktuel Traumatol** 1990 Oct;20(5):217–25 (33 ref.) (Eng. Abstr.) **(Ger)**
[Spontaneous cerebrospinal rhinorrhea. Etiology—differential diagnosis—therapy] Benedict M, et al. **HNO** 1991 Jan;39(1):1–7 (40 ref.) (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Bowel visualization during indium-111-labelled diethylene triamine penta-acetic acid cisternography due to massive cerebrospinal fluid leak. Case report and review of the literature. Jeffery PJ, et al. **Eur J Nucl Med** 1990; 17(6–8):365–8 (20 ref.)

SURGERY

Post-traumatic CSF fistulae, the case for surgical repair. Eljamel MS, et al. **Br J Neurosurg** 1990;4(6):479–83 (23 ref.)
Cerebrospinal fluid rhinorrhea. Montgomery WW. **Otolaryngol Clin North Am** 1973 Oct;6(3):757–71 (11 ref.)

CEREBROVASCULAR CIRCULATION

Stable xenon CT cerebral blood flow imaging: rationale for and role in clinical decision making. Johnson DW, et al. **AJNR** 1991 Mar–Apr;12(2):201–13 (76 ref.)
Cerebral blood flow and metabolism studies in multi-infarct dementia. Brown WD, et al. **Alzheimer Dis Assoc Disord** 1991 Summer;5(2):131–43 (72 ref.)
Drug metabolizing enzymes in the brain and cerebral microvessels. Minn A, et al. **Brain Res Brain Res Rev** 1991 Jan–Apr;16(1):65–82 (182 ref.)
Control of brain endothelial permeability. Abbott NJ, et al. **Cerebrovasc Brain Metab Rev** 1991 Spring;3(1):39–72 (215 ref.)
Regional cerebral blood flow measurement in humans by xenon-133 clearance. Obrist WD, et al. **Cerebrovasc Brain Metab Rev** 1990 Winter;2(4):283–327 (415 ref.)
Cerebral blood flow does not adapt to sustained hypoxia. Krasney JA, et al. **J Cereb Blood Flow Metab** 1990 Nov; 10(6):759–64 (26 ref.)
Measurement of cerebral blood flow by the stable xenon computerized tomography method. Bidabé AM, et al. **J Neuroradiol** 1990;17(2):103–24 (58 ref.) **(Eng, Fre)**
New technical and clinical aspects for cerebrovascular applications of ultrasound methods. Hennerici M. **J Neurosci Methods** 1990 Sep;34(1–3):169–77 (65 ref.)
Question-driven technology assessment: SPECT as an example. Caplan LR. **Neurology** 1991 Feb;41(2 (Pt 1)):187–91 (23 ref.)
Peptidergic innervation of the cerebral circulation. Role in subarachnoid hemorrhage in man. Edvinsson L, et al. **Neurosurg Rev** 1990;13(4):265–72 (43 ref.)
Review of the variability of the territories of the major cerebral arteries. van der Zwan A, et al. **Stroke** 1991 Aug; 22(8):1078–84 (39 ref.)
[The measurement of cerebral perfusion and hemodynamic reserve using SPECT: use in cerebral vascular pathology] Steinling M. **Ann Radiol (Paris)** 1990;33(3):156–69 (37 ref.) (Eng. Abstr.) **(Fre)**
[Transcranial Doppler in the evaluation of vasospasm after subarachnoid hemorrhage] Kaech DL, et al. **Neurochirurgie** 1990;36(5):279–86 (27 ref.) (Eng. Abstr.) **(Fre)**
[Cerebral circulation and neurologic diseases related to oxidative stress. Free radicals and antioxidants] Romero D, et al. **Neurologia** 1990 Oct;5(8):271–83 (214 ref.) **(Spa)**

DRUG EFFECTS

A comparison of cerebral blood flow reactivity to CO2 during halothane versus isoflurane anesthesia for carotid endarterectomy. Young WL, et al. **Anesth Analg** 1991 Oct; 73(4):416–21 (33 ref.)
Pharmacological control of the cerebral circulation. Scremin OU. **Annu Rev Pharmacol Toxicol** 1991;31:229–51 (149 ref.)
Peptidergic vasodilator nerves in the peripheral circulation and in the vascular beds of the heart and brain. Owman C. **Blood Vessels** 1990;27(2–5):73–93 (148 ref.)
Cerebral blood flow in the elderly: impact of hypertension and antihypertensive treatment. Strandgaard S. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1217–21 (34 ref.)
ACE inhibitors and cerebral blood flow. Paulson OB, et al. **J Hum Hypertens** 1990 Oct;4 Suppl 4:69–72; discussion 72–3 (28 ref.)
The effects of antihypertensive drugs on the cerebral blood flow and its regulation. Herpin D. **Prog Neurobiol** 1990; 35(1):75–83 (61 ref.)

PHYSIOLOGY

Substance abuse and cerebral blood flow. Mathew RJ, et al. **Am J Psychiatry** 1991 Mar;148(3):292–305 (138 ref.)
Cerebral hemodynamics in ischemic cerebrovascular disease. Powers WJ. **Ann Neurol** 1991 Mar;29(3):231–40 (63 ref.)
Physiology of cerebral blood flow and metabolism. Kuschinsky W. **Arzneimittelforschung** 1991 Mar; 41(3A):284–8 (21 ref.)
Development of collaterals in the cerebral circulation. Coyle P, et al. **Blood Vessels** 1991;28(1–3):183–9 (12 ref.)
Innervation and effects of dilatory neuropeptides on cerebral vessels. New aspects. Edvinsson L. **Blood Vessels** 1991; 28(1–3):35–45 (81 ref.)
Role of the local renin-angiotensin system in the autoregulation of the cerebral circulation. Paulson OB, et al. **Blood Vessels** 1991;28(1–3):231–5 (24 ref.)
The use and applications of single-photon emission computerised tomography in dementia. Geaney DP, et al. **Br J Psychiatry Suppl** 1990;(9):66–75 (80 ref.)
Haemodynamic considerations in the management of patients with subarachnoid haemorrhage. Archer DP, et al. **Can J Anaesth** 1991 May;38(4 Pt 1):454–70 (115 ref.)
Cerebral blood flow in the elderly: impact of hypertension and antihypertensive treatment. Strandgaard S. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1217–21 (34 ref.)
Mechanisms of cerebral blood flow regulation. Ursino M. **Crit Rev Biomed Eng** 1991;18(4):255–88 (205 ref.)
Regulation of cerebral blood vessels by humoral and endothelium-dependent mechanisms. Update on humoral regulation of vascular tone. Faraci FM, et al. **Hypertension** 1991 Jun;17(6 Pt 2):917–22 (70 ref.)
Cerebral circulation: humoral regulation and effects of chronic hypertension. Faraci FM, et al. **J Am Soc Nephrol** 1990 Jul;1(1):53–7 (46 ref.)
Coupling of blood flow and metabolism in the brain. Kuschinsky W. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec;1(1–4):191–201 (20 ref.)
Extracerebral manifestations in migraine. A peptidergic involvement? Edvinsson L, et al. **J Intern Med** 1990 Oct; 228(4):299–304 (42 ref.)
Cerebral blood flow changes in migraine: methods, observations and hypotheses. Friberg L. **J Neurol** 1991;238 Suppl 1:S12–7 (37 ref.)
PET: its clinical role in neurology [editorial] Brooks D. **J Neurol Neurosurg Psychiatry** 1991 Jan;54(1):1–5 (63 ref.)
Contrast agents and cerebral hemodynamics. Rosen BR, et al. **Magn Reson Med** 1991 Jun;19(2):285–92 (50 ref.)
Applications of the intravoxel coherent motion technique to the central nervous system. Young IR, et al. **Magn Reson Med** 1991 Jun;19(2):266–9 (10 ref.)
Laser-Doppler flowmetry. A review of its application for measuring cerebral and spinal cord blood flow. Frerichs KU, et al. **Mol Chem Neuropathol** 1990 Jan;12(1):55–70 (29 ref.)
Bedside monitoring in subarachnoid hemorrhage. Evoked responses, hemispheral blood flow, and flow-velocity measurements. Symon L. **Mol Chem Neuropathol** 1990 Jan; 12(1):1–9 (32 ref.)
The molecular biology of occlusive stroke in childhood. Shuman RM. **Neurol Clin** 1990 Aug;8(3):553–70 (89 ref.)
Cerebrovascular regulation and neonatal brain injury. Del Toro J, et al. **Pediatr Neurol** 1991 Jan–Feb;7(1):3–12 (104 ref.)
Brain regions involved in voluntary movements as revealed by radioisotopic mapping of CBF or CMR-glucose changes. Lassen NA, et al. **Rev Neurol (Paris)** 1990; 146(10):620–5 (32 ref.)
An overview of the contribution of regional cerebral blood flow studies in cerebrovascular disease: is there a role for single photon emission computed tomography? Hellman RS, et al. **Semin Nucl Med** 1990 Oct;20(4):303–24 (91 ref.)
Fetal and newborn cerebral vascular responses and adaptations to hypoxia. Longo LD, et al. **Semin Perinatol** 1991 Feb;15(1):49–57 (44 ref.)
[Cerebral microcirculation] Lu ZP. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul;21(3):226–30 (38 ref.) **(Chi)**
[Clinical aspects and diagnosis of early signs of cerebrovascular insufficiency] Kanareĭkin KF, et al. **Klin Med (Mosk)** 1991 Feb;69(2):10–7 (62 ref.) **(Rus)**
[Cerebrovascular disorders in patients with diabetes mellitus (review of the literature)] Man'kovskiĭ BN. **Zh Nevropatol Psikhiatr** 1990;90(7):123–7 (116 ref.) **(Rus)**

CEREBROVASCULAR DISORDERS

Cerebrovascular disease in hypertensive blacks. Cooper ES, et al. **Cardiovasc Clin** 1991;21(3):145–55 (59 ref.)
Cerebrovascular emergencies in pregnancy. Holcomb WL Jr, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):467–72 (30 ref.)
Aspirin and platelets in relation to cerebrovascular disease. Born GV. **Stroke** 1990 Dec;21(12 Suppl):IV29–31 (31 ref.)

CHEMICALLY INDUCED

Cocaine-induced stroke: first Jamaican case [letter] Hall JA. **J Neurol Sci** 1990 Sep;98(2–3):347–8 (10 ref.)
A comparative study of the cerebrovascular complications of cocaine: alkaloidal versus hydrochloride—a review. Levine SR, et al. **Neurology** 1991 Aug;41(8):1173–7 (73 ref.)

COMPLICATIONS

Poststroke seizures in the elderly. Asconapé JJ, et al. **Clin Geriatr Med** 1991 Aug;7(3):483–92 (52 ref.)
Prevention and management of medical complications of the hospitalized elderly stroke patient. Brott T. **Clin Geriatr Med** 1991 Aug;7(3):475–82 (33 ref.)
Recognition and management of poststroke depression in the elderly. Clothier J, et al. **Clin Geriatr Med** 1991 Aug; 7(3):493–506 (46 ref.)
Therapy of seizures associated with stroke. Armon C, et al. **Clin Neuropharmacol** 1991 Feb;14(1):17–27 (47 ref.)
Depression and cerebral stroke. Catapano F, et al. **J Clin Psychiatry** 1990 Sep;51 Suppl:9–12 (51 ref.)
Poststroke depression: neurologic, physiologic, diagnostic, and treatment implications. Swindell CS, et al. **J Speech Hear Res** 1991 Apr;34(2):325–33 (48 ref.)
The etiology of multiple sclerosis: a new and extended vascular-ischemic model. Gottlieb SF, et al. **Med Hypotheses** 1990 Sep;33(1):23–9 (37 ref.)
Swallowing disorders in stroke. Smith DS, et al. **Med J Aust** 1990 Oct 1;153(7):372–3 (19 ref.)
How acute brain failure becomes chronic: a view of the mechanisms of dementia related to stroke. Tatemichi TK. **Neurology** 1990 Nov;40(11):1652–9 (103 ref.)
Depression following cerebrovascular lesions. Starkstein SE, et al. **Semin Neurol** 1990 Sep;10(3):247–53 (53 ref.)
[Livedo reticularis, cerebrovascular disorders and mitral disease: a new cause of Sneddon's syndrome?] Vaillant L, et al. **Ann Dermatol Venereol** 1990;117(12):925–30 (23 ref.) (Eng. Abstr.) **(Fre)**
[Sneddon's syndrome: review of the literature apropos of a case] Pellegrin JL, et al. **Rev Med Interne** 1990 Jul–Aug; 11(4):313–5 (16 ref.) (Eng. Abstr.) **(Fre)**
[Cerebral crossed diaschisis caused by cerebellar lesion: role of the cerebellum in mental functions] Attig E, et al. **Rev Neurol (Paris)** 1991;147(3):200–7 (60 ref.) (Eng. Abstr.) **(Fre)**
[Heart damage associated with cerebrovascular accidents] Illyés G, et al. **Orv Hetil** 1991 Apr 30;132(17):911–4, 917 (26 ref.) (Eng. Abstr.) **(Hun)**
[Depression in internal medicine. Cerebral ictus] Giuliani GC, et al. **Minerva Med** 1991 May;82(5):281–4 (24 ref.) (Eng. Abstr.) **(Ita)**
[Therapy of the gouty patients with ischemic heart diseases or cerebral vascular diseases] Takeuchi F. **Nippon Rinsho** 1991 May;49(5):1137–43 (20 ref.) **(Jpn)**
[Mitochondrial encephalomyopathy, lactic acidosis and stroke-like episodes (MELAS) associated with hypothalamo-pituitary hypofunction—a case report] Ishii A, et al. **Rinsho Shinkeigaku** 1991 Feb;31(2):179–83 (10 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Diagnosis and treatment of cerebral amyloid angiopathy. Feldmann E, et al. **Clin Geriatr Med** 1991 Aug;7(3):617–30 (49 ref.)
Magnetic resonance imaging and computed tomography of cerebral vascular disease. Sevick RJ, et al. **Curr Opin Radiol** 1991 Feb;3(1):31–6 (28 ref.)
The changing role of echocardiography in the evaluation of stroke. Pasquale MJ. **Del Med J** 1991 Apr;63(4):215–20 (11 ref.)
Post-stroke depression. Chalmers GL. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:21–31 (44 ref.)
Investigation of acute stroke: what is the most effective strategy? Dunbabin DW, et al. **Postgrad Med J** 1991 Mar; 67(785):259–70 (78 ref.)
Recent developments in the diagnosis and management of patients with transient ischaemic attacks and minor ischaemic strokes. Sandercock P. **Q J Med** 1991 Feb; 78(286):101–12 (32 ref.)
Cerebrovascular disease. A rational approach to diagnostic protocols. Munari LM, et al. **Rays** 1990 Apr–Jun; 15(2):165–78 (19 ref.) **(Eng, Ita)**
[Cerebrovascular disorders—current topics and therapeutic guidelines] Fujishima M. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):424–8 (5 ref.) **(Jpn)**
[Clinical aspects and diagnosis of early signs of cerebrovascular insufficiency] Kanareĭkin KF, et al. **Klin Med (Mosk)** 1991 Feb;69(2):10–7 (62 ref.) **(Rus)**
[Phonoangiography in cerebrovascular diseases (review of the literature)] Krupina NE. **Zh Nevropatol Psikhiatr** 1990; 90(11):129–31 (83 ref.) **(Rus)**

DRUG THERAPY

Controlled clinical trials in stroke. Fieschi C, et al. **Arzneimittelforschung** 1991 Mar;41(3A):344–7 (23 ref.)
Assessment of therapeutic effects in ischemic stroke. Hachinski VC. **Arzneimittelforschung** 1991 Mar; 41(3A):338–9 (6 ref.)

Antithrombotic treatment of cerebrovascular disease. Oczkowski WJ, et al. **Baillieres Clin Haematol** 1990 Jul; 3(3):781–813 (103 ref.)
Thrombolytic therapy for stroke. Brott T. **Cerebrovasc Brain Metab Rev** 1991 Summer;3(2):91–113 (172 ref.)
Low-molecular-weight heparins and heparinoids and their use in acute or progressing ischemic stroke. Gordon DL, et al. **Clin Neuropharmacol** 1990 Dec;13(6):522–43 (130 ref.)
Thrombolytic agents in the treatment of stroke. Pessin MS, et al. **Clin Neuropharmacol** 1990 Aug;13(4):271–89 (102 ref.)
Ticlopidine. An updated review of its pharmacology and therapeutic use in platelet-dependent disorders [published erratum appears in Drugs 1990 Oct;40(4):following Table of Contents] McTavish D, et al. **Drugs** 1990 Aug; 40(2):238–59 (122 ref.)
Experimental studies with isradipine in stroke. Sauter A, et al. **Drugs** 1990;40 Suppl 2:44–51 (25 ref.)
Aspirin in transient ischemic attacks and minor stroke: a meta-analysis. Stachenko SJ, et al. **Fam Pract Res J** 1991 Jun;11(2):179–91 (37 ref.)
Current therapy of ischaemic stroke. Maiti B. **J Assoc Physicians India** 1990 Jul;38(7):481–5 (21 ref.)
Preclinical and clinical studies with cysteamine and pantethine related to the central nervous system. Vécsei L, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(6):835–62 (119 ref.)
Pharmacology of recovery after stroke. Goldstein LB. **Stroke** 1990 Nov;21(11 Suppl):III139–42 (48 ref.)
Restorative neurology. Drugs and recovery following stroke. Goldstein LB, et al. **Stroke** 1990 Nov;21(11):1636–40 (51 ref.)
[Study Group: "Evaluation of the efficacy of therapeutic treatments in cerebrovascular diseases"] Inzitari D, et al. **Epidemiol Prev** 1990 Jun;12(43):6–11 (33 ref.) **(Ita)**

EPIDEMIOLOGY

Stroke in Asia: an epidemiological consideration. Viriyavejakul A. **Clin Neuropharmacol** 1990;13 Suppl 3:S26–33 (36 ref.)
Epidemiology of stroke, 1980–1990: a progress report. Ostfeld AM, et al. **Epidemiol Rev** 1990;12:253–6 (35 ref.)

ETIOLOGY

Discordant nephron function. A pathogenic factor in hypertension and its vascular complications of stroke and heart attack. Laragh JH. **Am J Hypertens** 1991 Jan;4(1 Pt 2):2S–6S (29 ref.)
Perioperative stroke. Part II: Cardiac surgery and cardiogenic embolic stroke. Wong DH. **Can J Anaesth** 1991 May;38(4 Pt 1):471–88 (202 ref.)
Perioperative stroke. Part I: General surgery, carotid artery disease, and carotid endarterectomy. Wong DH. **Can J Anaesth** 1991 Apr;38(3):347–73 (351 ref.)
Nonrheumatic atrial fibrillation. Risk of stroke and role of antithrombotic therapy. Cairns JA, et al. **Circulation** 1991 Aug;84(2):469–81 (78 ref.)
Obesity, hypertension and stroke. Barrett-Connor E. **Clin Exp Hypertens [A]** 1990;12(5):769–82 (28 ref.)
Cardiogenic stroke in the elderly. Davis WD, et al. **Clin Geriatr Med** 1991 Aug;7(3):429–42 (48 ref.)
Carotid endarterectomy. Handelsman H. **Health Technol Assess Rep** 1990;(5):1–15 (130 ref.)
Stroke in the young. (Part I). Stern BJ, et al. **Md Med J** 1991 Jun;40(6):453–62 (38 ref.)
Migraine-related stroke. A review. Voiculescu V. **Rom J Neurol Psychiatry** 1991 Jan–Jun;29(1–2):3–8 (25 ref.)
Stroke in sickle cell disease: demographic, clinical, and therapeutic considerations. Ohene-Frempong K. **Semin Hematol** 1991 Jul;28(3):213–9 (20 ref.)
[Cardiac sources of cerebral embolism and infarction: results of the Lausanne register for cerebrovascular accidents] Cachin C, et al. **Schweiz Med Wochenschr** 1990 Sep 8; 120(36):1308–15 (61 ref.) (Eng. Abstr.) **(Fre)**
[Cerebrovascular disorders as a manifestation of a generalized disease] Lechleitner M, et al. **Acta Med Austriaca** 1991; 18(2):47–51 (34 ref.) (Eng. Abstr.) **(Ger)**
[Neurologic intensive care in a general hospital—check lists for diagnostic strategy and therapy] Dommel U. **Z Arztl Fortbild (Jena)** 1990;84(22):1149–52 (0 ref.) **(Ger)**
[Cardiovascular complications induced by cocaine abuse] de Oliveira Júnior W, et al. **Arq Bras Cardiol** 1990 Aug; 55(2):129–31 (20 ref.) **(Por)**
[Problems of cerebral stroke in the light of various mathematical models] Kanareĭkin KF, et al. **Klin Med (Mosk)** 1990 Sep;68(9):7–10 (12 ref.) **(Rus)**
[The hormonal system of calcium metabolism regulation in the pathogenesis of blood circulation disorders] Khudaverdian DN, et al. **Usp Fiziol Nauk** 1991 Jan–Feb; 22(1):57–76 (165 ref.) **(Rus)**
[Cerebrovascular disorders in patients with diabetes mellitus (review of the literature)] Man'kovskiĭ BN. **Zh Nevropatol Psikhiatr** 1990;90(7):123–7 (116 ref.) **(Rus)**
[Vascular spasm and its significance in the early surgical treatment of cerebral aneurysms] Lebedev VV, et al. **Zh Vopr Neirokhir** 1990 Jul–Aug;(4):29–33 (101 ref.) **(Rus)**
[Cerebral circulation and neurologic diseases related to oxidative stress. Free radicals and antioxidants] Romero D, et al. **Neurologia** 1990 Oct;5(8):271–83 (214 ref.) **(Spa)**

GENETICS

Genetics of cerebrovascular disease. Alberts MJ. **Stroke** 1990 Nov;21(11 Suppl):III127–30 (30 ref.)
Genetic aspects of cerebrovascular disease. Alberts MJ. **Stroke** 1991 Feb;22(2):276–80 (45 ref.)

METABOLISM

Role of oxygen radicals in stroke: effects of the 21-aminosteroids (lazaroids). A novel class of antioxidants. Hall ED, et al. **Prog Clin Biol Res** 1990;361:351–62 (22 ref.)
Platelet-activating factor. A putative mediator in central nervous system injury? Feuerstein G, et al. **Stroke** 1990 Nov;21(11 Suppl):III90–4 (33 ref.)
Growth factor expression after stroke. Finklestein SP, et al. **Stroke** 1990 Nov;21(11 Suppl):III122–4 (20 ref.)
Multilevel transneuronal degeneration after brain damage. Behavioral events and effects of anticonvulsant gamma-aminobutyric acid-related drugs. Schallert T, et al. **Stroke** 1990 Nov;21(11 Suppl):III143–6 (24 ref.)

MORTALITY

Validity of cerebrovascular mortality rates. Stehbens WE. **Angiology** 1991 Apr;42(4):261–7 (57 ref.)
Cardiovascular disease in the United States: an epidemiologic overview. Gillum RF. **Cardiovasc Clin** 1991;21(3):3–16 (40 ref.)
The decline of mortality due to stroke: a competitive and deterministic perspective. Riggs JE. **Neurology** 1991 Sep; 41(9):1335–8 (14 ref.)

PATHOLOGY

Magnetic resonance angiography of the intracranial vasculature. Ruggieri PM, et al. **Top Magn Reson Imaging** 1991 Jun;3(3):23–33 (74 ref.)
[Cerebral vascular aging (excluding innervation)] Verny M, et al. **Ann Cardiol Angeiol (Paris)** 1991 May;40(5):301–8 (74 ref.) **(Fre)**

PHYSIOPATHOLOGY

The molecular biology of occlusive stroke in childhood. Shuman RM. **Neurol Clin** 1990 Aug;8(3):553–70 (89 ref.)
Cerebrovascular disease: pathophysiology and clinical aspects. Munari LM, et al. **Rays** 1990 Apr–Jun;15(2):153–64 (30 ref.) **(Eng, Ita)**
[Synaptic transmission and cerebrovascular pathology] Pendefunda L. **Rev Med Chir Soc Med Nat Iasi** 1990 Jan–Mar;94(1):193–207 (52 ref.) **(Rum)**

PREVENTION & CONTROL

Stroke and hypertension and its prevention. Hachinski VC. **Am J Hypertens** 1991 Feb;4(2 Pt 2):118S–120S (22 ref.)
Current use of antiplatelet drugs in stroke syndromes in the USA. Nelson E. **Ann N Y Acad Sci** 1990;598:368–75 (19 ref.)
Clinical trials in stroke prevention. Barnett HJ. **Arzneimittelforschung** 1991 Mar;41(3A):340–4 (42 ref.)
Optimum results of the surgical treatment of carotid territory ischemia. Callow AD, et al. **Circulation** 1991 Feb;83(2 Suppl):I190–5 (48 ref.)
Reducing the risk of stroke: identifying patients to refer for carotid endarterectomy. Gelabert HA, et al. **Geriatrics** 1991 Sep;46(9):22–6 (24 ref.)
Extracranial-intracranial bypass to reduce the risk of ischemic stroke. Holohan TV. **Health Technol Assess Rep** 1990;(6):1–9 (44 ref.)
Antihypertensive drug treatment. Potential, expected, and observed effects on stroke and on coronary heart disease. MacMahon S, et al. **Hypertension** 1989 May;13(5 Suppl):I45–50 (27 ref.)
Aspirin in stroke prevention. An overview. Barnett HJ. **Stroke** 1990 Dec;21(12 Suppl):IV40–3 (38 ref.)
Preventing stroke by the modification of risk factors. Dunbabin DW, et al. **Stroke** 1990 Dec;21(12 Suppl):IV36–9 (40 ref.)
Aspirin as an antithrombotic drug: from the aggregometer to clinical trials. de Gaetano G. **Verh K Acad Geneeskd Belg** 1990;52(6):459–71; discussion 471–3 (33 ref.)
[Following a stroke, how to manage it?] Vuadens P, et al. **Rev Med Suisse Romande** 1991 Jan;111(1):43–7 (40 ref.) **(Fre)**
[Prevention of cerebrovascular disorders] Minar E. **Acta Med Austriaca** 1991;18(2):38–47 (89 ref.) (Eng. Abstr.) **(Ger)**
[Carotid surgery is justified in symptomatic severe stenosis] Wahlgren NG. **Lakartidningen** 1991 Jun 12;88(24):2203, 2206 (5 ref.) **(Swe)**

PSYCHOLOGY

Neuropsychiatric aspects of stroke. Beckson M, et al. **Int J Psychiatry Med** 1991;21(1):1–15 (86 ref.)
Psychological factors affecting neurological conditions. Depression and stroke, multiple sclerosis, Parkinson's disease, and epilepsy. McNamara ME. **Psychosomatics** 1991 Summer;32(3):255–67 (76 ref.)

RADIOGRAPHY

Stable xenon CT cerebral blood flow imaging: rationale for and role in clinical decision making. Johnson DW, et al. **AJNR** 1991 Mar–Apr;12(2):201–13 (76 ref.)
Angiography of the intracranial vessels. Colosimo C, et al. **Rays** 1990 Apr–Jun;15(2):243–67 (41 ref.) **(Eng, Ita)**

RADIONUCLIDE IMAGING

The clinical role of PET in cerebrovascular disease. Brooks DJ. **Neurosurg Rev** 1991;14(2):91–6 (23 ref.)
An overview of the contribution of regional cerebral blood flow studies in cerebrovascular disease: is there a role for single photon emission computed tomography? Hellman RS, et al. **Semin Nucl Med** 1990 Oct;20(4):303–24 (91 ref.)
Interventions and functional brain imaging. Yudd AP, et al. **Semin Nucl Med** 1991 Apr;21(2):153–8 (58 ref.)
[The measurement of cerebral perfusion and hemodynamic reserve using SPECT: use in cerebral vascular pathology] Steinling M. **Ann Radiol (Paris)** 1990;33(3):156–69 (37 ref.) (Eng. Abstr.) **(Fre)**

RADIOTHERAPY

Interventional radiologic adjuncts in cerebrovascular surgery. Wilson CB, et al. **Clin Neurosurg** 1991;37:332–52 (29 ref.)

REHABILITATION

Rehabilitation of the stroke patient. Czyrny JJ, et al. **Adv Clin Rehabil** 1990;3:64–96 (177 ref.)
Stroke rehabilitation: a geropsychological perspective. Rusin MJ. **Arch Phys Med Rehabil** 1990 Oct;71(11):914–22 (81 ref.)
Activation of rehabilitation. McDowell FH. **Arzneimittelforschung** 1991 Mar;41(3A):355–9 (50 ref.)
The rehabilitation of elderly stroke patients. Dobkin BH. **Clin Geriatr Med** 1991 Aug;7(3):507–23 (50 ref.)
Rehabilitation after stroke. Langton Hewer R. **Q J Med** 1990 Jul;76(279):659–74 (56 ref.)
[Rehabilitation of patients with apoplexy. Possibilities, duration and effect] Olsen TS. **Ugeskr Laeger** 1991 Jun 24;153(26):1840–3 (30 ref.) (Eng. Abstr.) **(Dan)**

SURGERY

Extracranial-intracranial bypass to reduce the risk of ischemic stroke. Holohan TV. **Can Med Assoc J** 1991 Jun 1;144(11):1457–65 (44 ref.)

THERAPY

Mechanisms and management of stroke in the elderly. Shuaib A, et al. **Can Med Assoc J** 1991 Sep 1;145(5):433–43 (118 ref.)
Advances in the treatment of complex cerebrovascular disorders by interventional neurovascular techniques. Higashida RT, et al. **Circulation** 1991 Feb;83(2 Suppl):I196–206 (53 ref.)
[Indications for interventional neuroradiology. Arterial lysis, angioplasty and embolizing procedures] Grzyska U, et al. **Fortschr Med** 1991 Mar 30;109(9):199–203 (23 ref.) (Eng. Abstr.) **(Ger)**
[Cerebrovascular disorders] Hirsch R, et al. **Rev Paul Med** 1991 Jan–Feb;109(1):27–33 (86 ref.) **(Por)**

ULTRASONOGRAPHY

New technical and clinical aspects for cerebrovascular applications of ultrasound methods. Hennerici M. **J Neurosci Methods** 1990 Sep;34(1–3):169–77 (65 ref.)
Transcranial Doppler ultrasonography: clinical applications in cerebrovascular disease. Petty GW, et al. **Mayo Clin Proc** 1990 Oct;65(10):1350–64 (51 ref.)
Diagnostic ultrasound imaging. Landi G, et al. **Rays** 1990 Apr–Jun;15(2):203–19 (57 ref.) **(Eng, Ita)**
[Recent developments in ultrasound study of cerebral arteries and their clinical value] Winter R, et al. **Nervenarzt** 1990 Aug;61(8):451–61 (28 ref.) **(Ger)**

CEREBRUM see **BRAIN**

CEREMONIAL

see related

APPETITIVE BEHAVIOR

Ritualism and child sexual abuse [comment] Jones DP. **Child Abuse Negl** 1991;15(3):163–70 (13 ref.) Comment on: Child Abuse Negl 1991;15(3):181–9. Comment on: Child Abuse Negl 1991;15(3):191–6.

CEROID

ANALYSIS

Ceroid lipofuscin in Hermansky-Pudlak syndrome and neuronal ceroid lipofuscinoses. Puranen M. **Proc Finn Dent Soc** 1990;86(2):99–102 (13 ref.)

BIOSYNTHESIS

Lipofuscin and ceroid formation: the cellular recycling system. Harman D. **Adv Exp Med Biol** 1989;266:3–15 (100 ref.)
Macrophages and ceroid in human atherosclerosis.

Mitchinson MJ, et al. **Eur Heart J** 1990 Aug;11 Suppl E:116–21 (43 ref.)

METABOLISM

Modulation of ceroid accumulation in macrophages in vitro. Carpenter KL, et al. **Adv Exp Med Biol** 1989;266:333–43 (31 ref.)
Ceroid, macrophages and atherosclerosis. Mitchinson MJ, et al. **Biochem Soc Trans** 1990 Dec;18(6):1066–9 (54 ref.)

CEROID-LIPOFUSCINOSIS, NEURONAL see **NEURONAL CEROID-LIPOFUSCINOSIS**

CERVICAL SMEARS see **VAGINAL SMEARS**

CERVICAL VERTEBRAE

Plasma cell dyscrasia in a 15-year-old boy: case report and review of the literature [letter] Rapoport AP, et al. **Am J Med** 1990 Dec;89(6):816–8 (8 ref.)
Anterior cervical osteophytes causing dysphagia. Flynn JM. **Bol Asoc Med P R** 1991 Feb;83(2):47–53 (34 ref.)
Multiple spinal metastases from paraganglioma. North CA, et al. **Cancer** 1990 Nov 15;66(10):2224–8 (37 ref.)
Diagnostics of cervicogenic headache. Pfaffenrath V, et al. **Funct Neurol** 1990 Apr–Jun;5(2):159–64 (13 ref.)
The headache of challenge in our time: cervicogenic headache. Sjaastad O. **Funct Neurol** 1990 Apr–Jun; 5(2):155–8 (13 ref.)
Cervical disk disease. Russell EJ. **Radiology** 1990 Nov; 177(2):313–25 (184 ref.)
Pott's disease of the cervical spine. Slater RR Jr, et al. **South Med J** 1991 Apr;84(4):521–3 (22 ref.)
Eosinophilic granuloma of the cervical spine. A case report and review of the literature. Dickinson LD, et al. **Surg Neurol** 1991 Jan;35(1):57–63 (39 ref.)
Ossification of the cervical ligamentum flavum. Kobayashi S, et al. **Surg Neurol** 1991 Mar;35(3):234–8 (15 ref.)
[Dysphagia disclosing a cervical disk calcification in a child. Apropos of a case and review of the literature] Jawish R, et al. **Chir Pediatr** 1990;31(2):127–30 (29 ref.) (Eng. Abstr.) **(Fre)**
[Cervical chordoma. Apropos of a case] Godard J, et al. **Neurochirurgie** 1990;36(6):388–93 (26 ref.) (Eng. Abstr.) **(Fre)**
[Chordoma of the mobile spine. Report of 9 cases. Review of the literature] Chevalier X, et al. **Rev Rhum Mal Osteoartic** 1990 Nov;57(11):767–78 (98 ref.) (Eng. Abstr.) **(Fre)**
[Differential diagnosis and therapy of vertigo of vertebral origin] Seifert K. **Laryngorhinootologie** 1990 Jul;69(7):394–7 (35 ref.) (Eng. Abstr.) **(Ger)**
[Headache in orthopedic consultation] Müller G. **Z Arztl Fortbild (Jena)** 1991 Jan 25;85(1–2):53–4 (0 ref.) **(Ger)**
[Chordoma (a review of 11 cases)] De Santis E, et al. **Arch Putti Chir Organi Mov** 1990;38(1):133–46 (25 ref.) (Eng. Abstr.) **(Ita)**
[Primary carcinoid tumor of the testis with metastasis to the upper vertebrae. Report of a case] Shimura S, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Jul;82(7):1157–60 (13 ref.) (Eng. Abstr.) **(Jpn)**
[A case report; ganglion cyst of a cervical facet joint] Nonoyama Y, et al. **No Shinkei Geka** 1991 Aug; 19(8):747–50 (14 ref.) (Eng. Abstr.) **(Jpn)**

ABNORMALITIES

Congenital absence of a cervical spine pedicle: clinical and radiologic findings. Wiener MD, et al. **AJR Am J Roentgenol** 1990 Nov;155(5):1037–41 (34 ref.)
Congenital anomalies of the cervical spine. Hensinger RN. **Clin Orthop** 1991 Mar;(264):16–38 (58 ref.)

BLOOD SUPPLY

[Dissection of cervico-cerebral arteries (editorial)] Bousser MG, et al. **Presse Med** 1991 Apr 27;20(16):729–31 (10 ref.) **(Fre)**

INJURIES

The axial load teardrop fracture. A biomechanical, clinical and roentgenographic analysis. Torg JS, et al. **Am J Sports Med** 1991 Jul–Aug;19(4):355–64 (101 ref.)
Airway management for trauma patients with potential cervical spine injuries. Hastings RH, et al. **Anesth Analg** 1991 Oct;73(4):471–82 (92 ref.)
Isolated symptomatic cervical spinous process fracture requiring surgery. Case report. Hirsh LF, et al. **J Neurosurg** 1991 Jul;75(1):131–3 (17 ref.)
A review of the therapeutic concept and results of operative treatment in acute and chronic lesions of the cervical spine: the Hannover experience. Illgner A, et al. **J Orthop Trauma** 1991;5(1):100–13 (45 ref.)
The cervical spine in maxillofacial trauma. Assessment and airway management. Kellman R. **Otolaryngol Clin North Am** 1991 Feb;24(1):1–13 (50 ref.)
[So-called whiplash injury of the cervical spine. Comments from the neurological viewpoint] Tegenthoff M, et al. **Dtsch Med Wochenschr** 1991 Jun 28;116(26):1030–4 (12 ref.) **(Ger)**
[Ventral approaches to the upper cervical spine] Crockard HA. **Orthopade** 1991 Apr;20(2):140–6 (25 ref.) (Eng. Abstr.) **(Ger)**
[Functional roentgen diagnosis of the upper cervical spine] Dvořák J. **Orthopade** 1991 Apr;20(2):121–6 (18 ref.) (Eng. Abstr.) **(Ger)**

INNERVATION

[The upper cervical spine. Symptomatology, clinical diagnosis and therapy of functional disorder] Baumgartner H. **Orthopade** 1991 Apr;20(2):127–32 (9 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

[Neurological aspects of microcrystalline arthropathies] Siniachenko OV, et al. **Sov Med** 1991;(4):31–3 (49 ref.) **(Rus)**

PATHOLOGY

Cervical and thoracic pain. Bland JH. **Curr Opin Rheumatol** 1991 Apr;3(2):218–25 (23 ref.)
The rheumatoid cervical spine. Konttinen YT, et al. **Curr Opin Rheumatol** 1991 Jun;3(3):429–40 (26 ref.)

PHYSIOLOGY

Biomechanics of cervical spine trauma. Maiman DJ, et al. **Clin Neurosurg** 1991;37:543–70 (22 ref.)

PHYSIOPATHOLOGY

Pathophysiology and treatment of cervical spondylotic myelopathy. Cusick JF. **Clin Neurosurg** 1991;37:661–81 (64 ref.)
Nonoperative management of cervical spine injury. Saul TG. **Clin Neurosurg** 1991;37:596–611 (55 ref.)
Cervicogenic headache: diagnostic criteria. Sjaastad O, et al. **Headache** 1990 Nov;30(11):725–6 (8 ref.)

RADIOGRAPHY

Osseous lesions of the cervical spine. Camins MB, et al. **Clin Neurosurg** 1991;37:722–39 (36 ref.)
Radiology of cervical spine trauma. Hudgins PA, et al. **Clin Neurosurg** 1991;37:571–95 (32 ref.)

SURGERY

Surgery of the rheumatoid cervical spine. Johnston RA, et al. **Ann Rheum Dis** 1990 Oct;49 Suppl 2:845–50 (25 ref.)
Metastatic tumors of the cervical spine. Perrin RG, et al. **Clin Neurosurg** 1991;37:740–55 (59 ref.)
Surgical management of cervical spine instability. Currier BL. **Curr Opin Rheumatol** 1990 Feb;2(1):176–87 (18 ref.)
Biomechanics of cervical spine internal fixation. Montesano PX, et al. **Spine** 1991 Mar;16(3 Suppl):S10–6 (25 ref.)
[Intradural sequestration of cervical intervertebral disk displacement] Sprick C, et al. **Nervenarzt** 1991 Feb; 62(2):133–5 (9 ref.) **(Ger)**
[Complications of ventral fusion operations in degenerative intervertebral disk diseases] Kalff R, et al. **Neurochirurgia (Stuttg)** 1990 Nov;33(6):184–9 (38 ref.) (Eng. Abstr.) **(Ger)**

CERVICITIS

MICROBIOLOGY

[Comparison of cytology and ELISA in the research on cervical Chlamydia infection] Calzolari E, et al. **Minerva Ginecol** 1991 May;43(5):227–31 (31 ref.) (Eng. Abstr.) **(Ita)**

CERVIX DISEASES

An update on human papillomavirus infection of the cervix. Mitchell H. **Aust Fam Physician** 1990 Jun;19(6):887, 890–4 (20 ref.)

COMPLICATIONS

Cervical factors in infertility. Mettler L. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):193–9 (8 ref.)

DIAGNOSIS

[Assessment of the use of Pap test in a sample of pregnant women] Dindelli M, et al. **Minerva Ginecol** 1990 Jul–Aug; 42(7–8):305–8 (20 ref.) (Eng. Abstr.) **(Ita)**

MICROBIOLOGY

[Diagnostic evaluation of cervix uteri infections associated with infection caused by human papilloma virus] Dabancens A, et al. **Rev Chil Obstet Ginecol** 1990; 55(1):50–3 (12 ref.) (Eng. Abstr.) **(Spa)**

CERVIX DYSPLASIA

DIAGNOSIS

Assessment and management of cervical intraepithelial neoplasia. Rubin MM, et al. **Nurse Pract** 1990 Oct; 15(10):23–31 (36 ref.)

MICROBIOLOGY

Outcome in mild and moderate cervical dysplasias related to the presence of specific human papillomavirus types. Weaver MG, et al. **Mod Pathol** 1990 Nov;3(6):679–83 (43 ref.)

PATHOLOGY

Pathology of the cervix. Fujii S. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):442–7 (34 ref.)
Cervical intraepithelial neoplasia III in an adolescent with Bowenoid papulosis. Stafford EM, et al. **J Adolesc Health Care** 1990 Nov;11(6):523–6 (17 ref.)
Endocervical glandular dysplasia, adenocarcinoma in situ, and early invasive (microinvasive) adenocarcinoma of the uterine cervix. Jaworski RC. **Semin Diagn Pathol** 1990 Aug; 7(3):190–204 (61 ref.)

SURGERY

Squamous cervical intraepithelial neoplasia: the role of laser treatment. Sharp F, et al. **Ann Chir Gynaecol** 1990; 79(4):225–30 (25 ref.)
[Use of the CO2 laser in the lower genital tract] Spuhler S, et al. **Arch Gynecol Obstet** 1990;247 Suppl:S44–55 (30 ref.) **(Fre)**

CERVIX INCOMPETENCE

Incompetent cervix: pathogenesis, diagnosis and treatment. Jewelewicz R. **Semin Perinatol** 1991 Apr;15(2):156–61 (42 ref.)

ETIOLOGY

[Prolapse of the amniotic membranes—indications for total cervical cerclage?] Flick K, et al. **Gynakologe** 1991 Jun; 24(3):170–3 (14 ref.) **(Ger)**

CERVIX MUCUS

CHEMISTRY

Cervical factors in infertility. Mettler L. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):193–9 (8 ref.)

IMMUNOLOGY

[Interactions between the reproductive and immune systems] Kurpisz M. **Postepy Hig Med Dosw** 1989;43(5–6):365–409 (155 ref.) (Eng. Abstr.) **(Pol)**

CERVIX NEOPLASMS

Cervical cancer in pregnancy. Hannigan EV. **Clin Obstet Gynecol** 1990 Dec;33(4):837–45 (34 ref.)
Adenocarcinoma of the uterine cervix. Kilgore LC, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):863–71 (57 ref.)
Screening and treatment of cervical neoplasia. Orr JW Jr, et al. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):199–204 (12 ref.)
Cervical malignancies. Sedlacek TV, et al. **Curr Opin Obstet Gynecol** 1991 Feb;3(1):49–57 (31 ref.)
[Gynecologic and breast granulocytic sarcomas. Review of the literature. Apropos of a case in the cervix uteri] Desablens B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1990;19(7):857–61 (43 ref.) (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Clear cell adenocarcinoma of the vagina and cervix secondary to intrauterine exposure to diethylstilbestrol. Herbst AL, et al. **Semin Surg Oncol** 1990;6(6):343–6 (17 ref.)

CLASSIFICATION

The Bethesda system for the reporting of cervical/vaginal cytology. Oren A, et al. **J Am Osteopath Assoc** 1991 May; 91(5):476–9 (7 ref.)

COMPLICATIONS

Implications of human papillomavirus in cervical and vulvar cancer. Hatch KD. **Curr Opin Obstet Gynecol** 1990 Feb; 2(1):80–4 (17 ref.)
Retroperitoneal fibrosis associated with carcinoma of the cervix: review of the literature. Rivlin ME, et al. **Gynecol Oncol** 1991 Apr;41(1):95–7 (10 ref.)

DIAGNOSIS

Review on cervical cancer screening. Chou P. **Chung Hua I Hsueh Tsa Chih** 1991 Jul;48(1):1–12 (127 ref.)
Pap smears and screening for cervical neoplasia. Wilkinson EJ. **Clin Obstet Gynecol** 1990 Dec;33(4):817–25 (25 ref.)
Skeletal metastases in carcinoma of the uterine cervix—a report of two cases and review of literature. Singhal S, et al. **Indian J Med Sci** 1990 Jul;44(7):179–82 (7 ref.)
Evaluating cervical cone biopsy specimens with frozen sections at hysterectomy. Neiger R, et al. **J Reprod Med** 1991 Feb;36(2):103–7 (28 ref.)
[Possibilities and limitations of radiology—CT and MRT in cases of tumors of the uterus and ovary] Köster O. **Rontgenblatter** 1990 Oct;43(10):413–9 (52 ref.) (Eng. Abstr.) **(Ger)**
[The use of magnetic resonance tomography in cancer of the cervix and uterus] Lukas P, et al. **Rontgenpraxis** 1990

Dec;43(12):439–44 (13 ref.) **(Ger)**

[The Pap test revisited] Broso P, et al. **Minerva Ginecol** 1991 Mar;43(3):71–85 (107 ref.) (Eng. Abstr.) **(Ita)**

[Assessment of the use of Pap test in a sample of pregnant women] Dindelli M, et al. **Minerva Ginecol** 1990 Jul–Aug; 42(7–8):305–8 (20 ref.) (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Chemotherapy of cervical cancer. Carlson JA Jr. **Clin Obstet Gynecol** 1990 Dec;33(4):910–6 (19 ref.)

Cisplatin in advanced cancer of the cervix: an update. Alberts DS, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):11–24 (113 ref.)

[Randomized trial of initial chemotherapy in 151 locally advanced carcinoma of the cervix (T2b–N1, T3b, MO)] Chauvergne J, et al. **Bull Cancer (Paris)** 1990; 77(10):1007–24 (37 ref.) (Eng. Abstr.) **(Fre)**

[Chemotherapy of cancer of the cervix] Yamagata S. **Gan No Rinsho** 1990 Aug;36(10):1143–8 (14 ref.) (Eng. Abstr.) **(Jpn)**

EPIDEMIOLOGY

Primary malignant melanoma of the uterine cervix: case report and review of the literature. Pinedo F, et al. **Gynecol Obstet Invest** 1991;31(2):121–4 (45 ref.)

Primary malignant melanoma of the uterine cervix: two case reports and a century's review. Santoso JT, et al. **Obstet Gynecol Surv** 1990 Nov;45(11):733–40 (43 ref.)

Assessment of cervical cancer screening and follow-up programs. Celentano DD, et al. **Public Health Rev** 1989–90; 17(2–3):173–240 (115 ref.)

Epidemiology of human papilloma virus infections and genital neoplasia. Syrjänen K, et al. **Scand J Infect Dis Suppl** 1990;69:7–17 (54 ref.)

[Carcinoma of the uterine cervix. Clinical and statistical data from the period 1964–1983] Maranghi V. **Minerva Ginecol** 1990 Nov;42(11):447–54 (53 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Local immunity and the uterine cervix: implications for cancer-associated viruses. Roche JK, et al. **Cancer Immunol Immunother** 1991;33(4):203–9 (40 ref.)

Review on risk factors of cervical cancer. Chou P. **Chung Hua I Hsueh Tsa Chih** 1991 Aug;48(2):81–8 (88 ref.)

Oral contraceptives and cervical neoplasia. Brinton LA. **Contraception** 1991 Jun;43(6):581–95 (66 ref.)

Current concepts in the relationship of human papillomavirus infection to the pathogenesis and classification of precancerous squamous lesions of the uterine cervix. Ambros RA, et al. **Semin Diagn Pathol** 1990 Aug; 7(3):158–72 (66 ref.)

[Relationship between cigarette smoking and epithelial cancer of the uterine cervix] Ben-Hur H, et al. **Harefuah** 1990 Oct;119(7–8):221–3 (44 ref.) **(Heb)**

[Studies on pathogenesis of cervical carcinoma based on the analysis of growth and differentiation mechanism of cervical epithelium] Konishi I. **Nippon Sanka Fujinka Gakkai Zasshi** 1990 Aug; 42(8):812–22 (6 ref.) (Eng. Abstr.) **(Jpn)**

[Precursor diseases of the cervix uteri: pathogenesis, diagnosis and treatment] Prilepskaia VN, et al. **Akush Ginekol (Mosk)** 1990 Jun;(6):3–7 (68 ref.) **(Rus)**

[Uterine cervix cancer. The evidence in favor of a multifactorial etiology] Torres Lobatón A, et al. **Ginecol Obstet Mex** 1987 Aug;55:214–7 (0 ref.) (Eng. Abstr.) **(Spa)**

[Papillomavirus infection and cancer of the cervix] Castro Marqueta P. **Med Clin (Barc)** 1991 Apr 27;96(16):631–4 (42 ref.) **(Spa)**

[Extremely low risk of invasive cervix cancer caused by genital papillomavirus infection] Bistoletti P, et al. **Lakartidningen** 1990 Dec 19;87(51–52):4434–5 (13 ref.) **(Swe)**

GENETICS

The c-myc proto-oncogene in invasive carcinomas of the uterine cervix: clinical relevance of overexpression in early stages of the cancer. Riou GF, et al. **Anticancer Res** 1990 Sep–Oct;10(5A):1225–31 (36 ref.)

Oncogene expression and prognosis in cervical cancer. Pillai R. **Cancer Lett** 1991 Aug;59(2):171–5 (22 ref.)

[DNA examinations in gynecological cancer and breast cancer] Tropé C, et al. **Tidsskr Nor Laegeforen** 1991 May 20;111(13):1638–42 (32 ref.) (Eng. Abstr.) **(Nor)**

IMMUNOLOGY

Distribution of histo-blood group antigens in cervical and uterine endometrium. Stubbe Teglbjaerg C, et al. **APMIS Suppl** 1991;23:100–6 (47 ref.)

Cancer of the cervix: prospects for immunological control. Davies DH, et al. **Int J Exp Pathol** 1991 Apr;72(2):239–51 (74 ref.)

MICROBIOLOGY

Recent developments in viruses and genetics in gynecologic cancer. Kitchener HC. **Curr Opin Oncol** 1990 Oct; 2(5):864–9 (20 ref.)

Human papillomaviruses in the pathogenesis of anogenital cancer. zur Hausen H. **Virology** 1991 Sep;184(1):9–13 (47 ref.)

PATHOLOGY

Glassy cell features in adenosquamous carcinoma of the uterine cervix. Histologic, ultrastructural, immunohistochemical, and clinical findings. Costa MJ, et al. **Am J Clin Pathol** 1991 Oct;96(4):520–8 (38 ref.)

Mature cystic teratoma of the uterine cervix. Iwanaga S, et al. **Asia Oceania J Obstet Gynaecol** 1990 Dec;16(4):363–6 (11 ref.)

Pathobiology of papillomavirus-related cervical diseases: prospects for immunodiagnosis. Crum CP, et al. **Clin Microbiol Rev** 1991 Jul;4(3):270–85 (129 ref.)

Microinvasive cervical cancer. DePriest PD, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):846–51 (23 ref.)

Surgical staging of cervical cancer. Heaps JM, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):852–62 (75 ref.)

Pathology of the cervix. Fujii S. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):442–7 (34 ref.)

Pathology of the cervix. Richart RM, et al. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):561–7 (28 ref.)

Carcinoma in situ of the cervix and its malignant potential. A lesson from New Zealand. Chang AR. **Cytopathology** 1990;1(6):321–8 (51 ref.)

A primitive lymphoma of the uterine cervix. Case report. Pasini F, et al. **Eur J Gynaecol Oncol** 1991;12(2):107–12 (7 ref.)

Squamous carcinoma of the colon: primary or metastatic? McMahon AJ. **Eur J Surg Oncol** 1991 Aug;17(4):397–402 (41 ref.)

Management of the abnormal Pap smear. Gearhart JG, et al. **J Miss State Med Assoc** 1991 May;32(5):159–64 (9 ref.)

Ovarian metastases are rare in stage I adenocarcinoma of the cervix. Brown JV, et al. **Obstet Gynecol** 1990 Oct; 76(4):623–6 (26 ref.)

Endocervical carcinoma. Yeh IT, et al. **Pathol Res Pract** 1991 Mar;187(2–3):129–44 (140 ref.)

Miscellaneous primary tumors and metastatic tumors of the uterine cervix. Clement PB. **Semin Diagn Pathol** 1990 Aug; 7(3):228–48 (182 ref.)

Endocervical glandular dysplasia, adenocarcinoma in situ, and early invasive (microinvasive) adenocarcinoma of the uterine cervix. Jaworski RC. **Semin Diagn Pathol** 1990 Aug; 7(3):190–204 (61 ref.)

Squamous cell carcinoma of the uterine cervix--a review with emphasis on prognostic factors and unusual variants. Robert ME, et al. **Semin Diagn Pathol** 1990 Aug; 7(3):173–89 (80 ref.)

Invasive adenocarcinoma and related tumors of the uterine cervix. Young RH, et al. **Semin Diagn Pathol** 1990 Aug; 7(3):205–27 (115 ref.)

Invasive cervical cancer in the 1990s. Piver MS. **Semin Surg Oncol** 1990;6(6):359–63 (25 ref.)

[Distinct procedures in suspicious cervix cytology findings] Schnürch HG. **Gynakologe** 1991 Feb;24(1):7–16 (46 ref.) **(Ger)**

[Adenocarcinoma of the uterine cervix] Geissler U. **Zentralbl Gynakol** 1991;113(2):65–74 (26 ref.) **(Ger)**

[Cellular dyskeratosis as predictive factor in condylomatosis histologically confirmed by biopsy] Ventura G, et al. **Minerva Ginecol** 1990 Dec;42(12):503–6 (15 ref.) (Eng. Abstr.) **(Ita)**

[Lymph node metastasis of carcinoma of the cervix uteri. Role of lymphography and computerized tomography] La Fianza A, et al. **Radiol Med (Torino)** 1990 Oct;80(4):486–91 (31 ref.) (Eng. Abstr.) **(Ita)**

[Invasive carcinoma of the cervix uteri (stage IB–IIB): evaluation using magnetic resonance] Sironi S, et al. **Radiol Med (Torino)** 1990 Sep;80(3):314–20 (26 ref.) (Eng. Abstr.) **(Ita)**

[Histological and clinical classification of gynecological tumours] Moriwaki S. **Gan No Rinsho** 1990 Aug; 36(10):1095–105 (12 ref.) (Eng. Abstr.) **(Jpn)**

[Cytologic and morphologic characteristics of human papillomavirus infection in cervix uteri pathology] Isakova LM. **Arkh Patol** 1991;53(1):75–9 (58 ref.) (Eng. Abstr.) **(Rus)**

[Cytologic diagnosis of malignant tumors of the cervix] Shabalova IP, et al. **Lab Delo** 1991;(1):45–8 (7 ref.) (Eng. Abstr.) **(Rus)**

[Cytologic diagnosis of background and precancerous conditions based on specimens from the uterine cervix] Shabalova IP, et al. **Lab Delo** 1990;(7):44–9 (10 ref.) (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Clinical implications of screening for cervical cancer under Medicare. The natural history of cervical cancer in the elderly: what do we know? What do we need to know? Mandelblatt J, et al. **Am J Obstet Gynecol** 1991 Feb; 164(2):644–51 (61 ref.)

Role of early diagnosis and screening; biomarkers. Miller AB. **Cancer Detect Prev** 1991;15(1):21–6 (20 ref.)

Preventing cervical cancer by treating genital warts in men. Why male sex partners need androscopy. Epperson WJ. **Postgrad Med** 1990 Oct;88(5):229–36 (15 ref.)

[Cytological screening of precancer and cancer of the cervix uteri] Novik VI. **Vopr Onkol** 1990;36(12):1411–8 (59 ref.) **(Rus)**

RADIOGRAPHY

[Imaging of cancer of the uterine cervix] Soyer P, et al. **J Radiol** 1990 Dec;71(12):681–9 (35 ref.) (Eng. Abstr.) **(Fre)**

RADIOTHERAPY

Carcinoma of the uterine cervix treated by irradiation alone. Results of treatment at the National Cancer Center, Tokyo. Akine Y, et al. **Acta Oncol** 1990;29(6):747–53 (15 ref.)

New techniques in radiation therapy for cervical cancer. Murray MJ. **Clin Obstet Gynecol** 1990 Dec;33(4):889–96 (36 ref.)

Radiotherapy and anaemia--the clinical experience. Dische S. **Radiother Oncol** 1991;20 Suppl 1:35–40 (23 ref.)

Combined external radiotherapy and Syed's curietherapy in the treatment of carcinoma of the cervix. Montemaggi P, et al. **Rays** 1991 Jan–Mar;16(1):42–7 (9 ref.) **(Eng, Ita)**

[High dose brachytherapy in gynecologic neoplasms. Review of the literature] Portaluri M, et al. **Minerva Ginecol** 1991 Mar;43(3):87–95 (29 ref.) (Eng. Abstr.) **(Ita)**

[Interstitial brachytherapy in pelvic neoplasms] Cellini N. **Radiol Med (Torino)** 1990 Oct;80(4):544–53 (119 ref.) **(Ita)**

SURGERY

Squamous cervical intraepithelial neoplasia: the role of laser treatment. Sharp F, et al. **Ann Chir Gynaecol** 1990; 79(4):225–30 (25 ref.)

The treatment of CIN: do we need lasers? [comment] Giles JA, et al. **Br J Obstet Gynaecol** 1991 Jan;98(1):3–6 (11 ref.) Comment on: Br J Obstet Gynaecol 1991 Jan;98(1):14–20.

Pelvic exenteration for recurrent cervical cancer. Stanhope CR, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):897–909 (27 ref.)

Hyskon complications in hysteroscopic surgery. McLucas B. **Obstet Gynecol Surv** 1991 Apr;46(4):196–200 (29 ref.)

[Use of the CO2 laser in the lower genital tract] Spuhler S, et al. **Arch Gynecol Obstet** 1990;247 Suppl:S44–55 (30 ref.) **(Fre)**

[Surgical therapy of invasive cervix cancer--from the viewpoint of modern tumor biology] Janisch H, et al. **Gynakol Rundsch** 1990;30 Suppl 1:74–80 (11 ref.) **(Ger)**

[Surgical treatment of cancer of the uterine cervix] Noda K, et al. **Gan No Rinsho** 1990 Aug;36(10):1133–6 (4 ref.) (Eng. Abstr.) **(Jpn)**

[Lymphadenectomy in the treatment of cancer of the uterine cervix] Clavero Núñez JA. **An R Acad Nac Med (Madr)** 1990;107(2):259–72 (26 ref.) **(Spa)**

THERAPY

Computer-aided clinical management: microscopic cancer of the ectocervix. Johnson N. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):885–904 (94 ref.)

Therapy of patients with positive nodes. Curtin JP, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):883–8 (13 ref.)

Treatment of cervical intraepithelial neoplasia. Jones HW 3d. **Clin Obstet Gynecol** 1990 Dec;33(4):826–36 (31 ref.)

Surgery or radiation for early cervical cancer. Photopulos GJ. **Clin Obstet Gynecol** 1990 Dec;33(4):872–82 (68 ref.)

Multimodality therapy in advanced cervical carcinoma. Whitney CW. **Curr Opin Obstet Gynecol** 1990 Feb; 2(1):85–91 (12 ref.)

Concurrent chemoradiation in advanced cervical cancer. Thomas G, et al. **Gynecol Oncol** 1990 Sep;38(3):446–51 (11 ref.)

Current management of non-squamous carcinoma of the cervix. Gallup DG, et al. **Oncology (Williston Park)** 1989 May;3(5):95–102; discussion 104, 106 (40 ref.)

[Treatment of cervix cancer in Denmark] Jakobsen AK, et al. **Ugeskr Laeger** 1991 Jan 14;153(3):168–70 (18 ref.) (Eng. Abstr.) **(Dan)**

[Condylomata acuminata during pregnancy] Orvieto R, et al. **Harefuah** 1990 Dec 2;119(11):399–403 (20 ref.) **(Heb)**

[Perspectives and plans to improve the prognosis of cervical cancer] Sugimori H. **Gan No Rinsho** 1990 Aug; 36(10):1187–91 (14 ref.) (Eng. Abstr.) **(Jpn)**

CERVIX UTERI

DRUG EFFECTS

Pretreatment of the cervix prior to surgical evacuation of the uterus in the late first and early second trimester of pregnancy. Herczeg J. **Baillieres Clin Obstet Gynaecol** 1990 Jun;4(2):307–25 (45 ref.)

Effects on the endometrium, endo- and exocervix following the use of local progestogen-releasing delivery systems. Johannisson E. **Contraception** 1990 Oct;42(4):403–21 (74 ref.)

Premature rupture of membranes, cervical ripening, and induction of labor. Lauersen NH. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):165–71 (32 ref.)

Pharmacological modulation of cervical compliance in the first and second trimesters of pregnancy. Calder AA, et al. **Semin Perinatol** 1991 Apr;15(2):162–72 (98 ref.)

[Principles of physiologic and drug-induced cervix ripening--recent morphologic and biochemical findings] Rath W, et al. **Geburtshilfe Frauenheilkd** 1990 Sep; 50(9):657–64 (47 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Local immunity and the uterine cervix: implications for cancer-associated viruses. Roche JK, et al. **Cancer Immunol Immunother** 1991;33(4):203-9 (40 ref.)

Women, HIV, and mucosal immunity [see comments] Forrest BD. **Lancet** 1991 Apr 6;337(8745):835-6 (24 ref.) Comment in: Lancet 1991 May 25;337(8752):1289.

PATHOLOGY

Prevalence of psammoma bodies in Papanicolaou-stained cervicovaginal smears. Kern SB. **Acta Cytol** 1991 Jan-Feb; 35(1):81-8 (23 ref.)

Cytologic and histologic manifestations of human papillomavirus infection of the uterine cervix. Koss LG. **Cancer Detect Prev** 1990;14(4):461-4 (41 ref.)

Current problems in the pathology of intra-epithelial lesions of the uterine cervix [see comments] Fox H, et al. **Histopathology** 1990 Jul;17(1):1-6 (31 ref.) Comment in: Histopathology 1991 Mar;18(3):285-6.

Advances in the pathology of the uterine cervix. Lawrence WD. **Hum Pathol** 1991 Aug;22(8):792-806 (85 ref.)

Evaluating cervical cone biopsy specimens with frozen sections at hysterectomy. Neiger R, et al. **J Reprod Med** 1991 Feb;36(2):103-7 (28 ref.)

Classification of endometrial cells on cervical cytology. Yancey M, et al. **Obstet Gynecol** 1990 Dec;76(6):1000-5 (12 ref.)

[Studies on pathogenesis of cervical carcinoma based on the analysis of growth and differentiation mechanism of cervical epithelium] Konishi I. **Nippon Sanka Fujinka Gakkai Zasshi** 1990 Aug; 42(8):812-22 (6 ref.) (Eng. Abstr.) **(Jpn)**

[Cytologic diagnosis of background and precancerous conditions based on specimens from the uterine cervix] Shabalova IP, et al. **Lab Delo** 1990;(7):44-9 (10 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The physiology of cervical ripening and cervical dilatation and the effect of abortifacient drugs. Uldbjerg N, et al. **Baillieres Clin Obstet Gynaecol** 1990 Jun;4(2):263-82 (98 ref.)

Comparative efficacy of intravaginal prostaglandin E2 in the gel and suppository forms for cervical ripening. Gauger LJ, et al. **DICP** 1991 May;25(5):456-60 (28 ref.)

Prostaglandins and the biological control of cervical function. Calder AA, et al. **Reprod Fertil Dev** 1990;2(5):459-65 (53 ref.)

Relationship between myometrial and cervical functions in pregnancy and labor. Huszar GB, et al. **Semin Perinatol** 1991 Apr;15(2):97-117 (155 ref.)

Cervical mucus and sperm transport in reproduction. Overstreet JW, et al. **Semin Perinatol** 1991 Apr; 15(2):149-55 (40 ref.)

The role of proteoglycans in cervical dilatation. Uldbjerg N, et al. **Semin Perinatol** 1991 Apr;15(2):127-32 (25 ref.)

CESAREAN SECTION

see related
VAGINAL BIRTH AFTER CESAREAN

Patient costs for prophylaxis and treatment of obstetric and gynecologic surgical infections. Stein GE. **Am J Obstet Gynecol** 1991 May;164(5 Pt 2):1377-80 (29 ref.)

External cephalic version at term: how high are the stakes? [comment] Hofmeyr GJ. **Br J Obstet Gynaecol** 1991 Jan; 98(1):1-3 (18 ref.) Comment on: Br J Obstet Gynaecol 1991 Jan;98(1):8-13.

Epidural anaesthesia for labour and caesarean section in a parturient with a single ventricle and transposition of the great arteries. Fong J, et al. **Can J Anaesth** 1990 Sep; 37(6):680-4 (18 ref.)

Dystocias, cesarean section, and puerperium. Hayashi RH. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):172-6 (26 ref.)

Antibiotic prophylaxis in cesarean section. Glick M, et al. **DICP** 1990 Sep;24(9):841-6 (67 ref.)

[Is breech presentation an indication for cesarean section?] Keirse MJ. **Ned Tijdschr Geneeskd** 1990 Nov 17; 134(46):2230-3 (25 ref.) **(Dut)**

[Anesthesia for cesarean section in the diabetic patient] Besnard V, et al. **Cah Anesthesiol** 1990 Dec;38(6):425-30 (41 ref.) **(Fre)**

[The use of opioids by the regional route in obstetrics] Bruelle P, et al. **Cah Anesthesiol** 1991;39(2):97-103 (59 ref.) (Eng. Abstr.) **(Fre)**

[Indications and results of autotransfusion. Normovolemic hemodilution in gynecology-obstetrics] Bouret JM, et al. **Rev Fr Gynecol Obstet** 1990 Jul-Sep;85(7-9):455-9 (13 ref.) (Eng. Abstr.) **(Fre)**

[Epidural conduction anesthesia versus general anesthesia. A critical evaluation of outcome studies using as examples cesarean section and patients with hip fractures] Adams HA, et al. **Anasth Intensivther Notfallmed** 1990 Dec; 25(6):391-5 (18 ref.) (Eng. Abstr.) **(Ger)**

[Prevention of HIV infections in surgical gynecology and obstetrics] Hirsch HA. **Geburtshilfe Frauenheilkd** 1990 Sep; 50(9):665-9 (30 ref.) (Eng. Abstr.) **(Ger)**

[Selection of anesthetic methods in the operative delivery of patients at cardiac, respiratory and metabolic risk] Braun GG. **Klin Anasthesiol Intensivther** 1989;37:106-20 (31 ref.) **(Ger)**

[Pregnancy, labor and postpartum development after kidney transplantation and triple therapy with cyclosporin A--follow-up in relation to literature review] Bung P, et al. **Z Geburtshilfe Perinatol** 1991 Jan-Feb;195(1):43-5 (23 ref.) (Eng. Abstr.) **(Ger)**

[Infections in obstetric-gynecologic surgery: chemo-antibiotic prophylaxis and therapy. A bibliographic review] Franchi M, et al. **Ann Ostet Ginecol Med Perinat** 1990 Sep-Oct; 111(5):296-320 (185 ref.) (Eng. Abstr.) **(Ita)**

[Peripheral anesthesia for cesarean section] Celleno D, et al. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):539-42 (28 ref.) **(Ita)**

[Anesthesia for intervention by cesarean section] Margaria E, et al. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):521-37 (0 ref.) **(Ita)**

[Postoperative pain in obstetrics] Varrassi G, et al. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):365-7 (16 ref.) **(Ita)**

ADVERSE EFFECTS

Non-obstructive cecal dilatation and perforation after cesarean section. Sperling LS, et al. **Acta Obstet Gynecol Scand** 1990;69(5):437-9 (20 ref.)

The challenge of prophylaxis in cesarean section in the 1990s. Galask RP. **J Reprod Med** 1990 Nov;35(11 Suppl):1078-81 (10 ref.)

[Fatal maternal streptococcus A infection after cesarean section] Tanguy M, et al. **Ann Fr Anesth Reanim** 1990; 9(5):447-9 (15 ref.) (Eng. Abstr.) **(Fre)**

[The role of the immune system in the pathogenesis and treatment of suppurative-inflammatory diseases after cesarean section] Timoshenko LV, et al. **Akush Ginekol (Mosk)** 1990 Nov;(11):9-12 (63 ref.) **(Rus)**

[Pseudo-obstruction of the colon (Ogilvie syndrome) associated wtih Cesarean operations. Report of 2 cases and review of the literature] Walss Rodriguez RJ, et al. **Ginecol Obstet Mex** 1990 Oct;58:289-91 (10 ref.) (Eng. Abstr.) **(Spa)**

[Colonic pseudo-obstruction (Ogilvie syndrome), associated with cesarean section. Report of 2 cases and review of the literature] Walss Rodriguez RJ, et al. **Ginecol Obstet Mex** 1990 Oct;58:289-91 (10 ref.) (Eng. Abstr.) **(Spa)**

METHODS

Multiple pregnancy, operative delivery, anesthesia, and analgesia. Laube DW. **Curr Opin Obstet Gynecol** 1990 Feb; 2(1):40-4 (15 ref.)

MORTALITY

[Maternal mortality in cesarean section: anesthetic causes] Pagnoni B, et al. **Minerva Anestesiol** 1990 Oct; 56(10):1079-84 (24 ref.) **(Ita)**

CESIUM RADIOISOTOPES

ADVERSE EFFECTS

[The consequences of unforeseen cesium-137 irradiation] Korolev VI. **Voen Med Zh** 1991 Jan;(1):50-2 (13 ref.) **(Rus)**

[Carcinogenic hazards of radioactive cesium] Vasilenko IIa. **Vopr Onkol** 1991;37(4):394-400 (34 ref.) **(Rus)**

ANALYSIS

[The importance of bioindicators in the evaluation of radioactive contamination] Marović G. **Arh Hig Rada Toksikol** 1990 Dec;41(4):371-8 (52 ref.) (Eng. Abstr.) **(Scr)**

CESTODA

ANATOMY & HISTOLOGY

Reproductive anatomy and gametogenesis in Shipleya inermis (Cestoda: Dioecocestidae). Rausch RL, et al. **Ann Parasitol Hum Comp** 1990;65(5-6):229-37 (40 ref.)

PHYSIOLOGY

Neurobiology of parasitic platyhelminths: possible solutions to the problems of correlating structure with function. Pax RA, et al. **Parasitology** 1991;102 Suppl:S31-9 (57 ref.)

CESTODE INFECTIONS

PARASITOLOGY

Coenurosis of the central nervous system in a Nigerian. Malomo A, et al. **Trop Geogr Med** 1990 Jul;42(3):280-2 (12 ref.)

CHAGAS CARDIOMYOPATHY

The indeterminate form of human chronic Chagas' disease A clinical epidemiological review. Dias JC. **Rev Soc Bras Med Trop** 1989 Jul-Sep;22(3):147-56 (50 ref.)

IMMUNOLOGY

Molecular mimicry and Chagas' heart disease: high anti-R-13 autoantibody levels are markers of severe Chagas heart complaint. Levin MJ. **Res Immunol** 1991 Feb;142(2):157-9 (15 ref.)

Role of autoreactive immunological mechanisms in chagasic carditis. Ribeiro-dos-Santos R, et al. **Res Immunol** 1991 Feb;142(2):134-7 (12 ref.)

PATHOLOGY

Cardiac parasympathetic innervation in Chagas' heart disease. Davila DF, et al. **Med Hypotheses** 1991 Jun;35(2):80-4 (50 ref.)

PHYSIOPATHOLOGY

Pathophysiological insights into the cardiomyopathy of Chagas' disease. Morris SA, et al. **Circulation** 1990 Dec; 82(6):1900-9 (68 ref.)

SURGERY

Dynamic cardiomyoplasty in chronic Chagas' heart disease: clinicopathological data. Rossi MA, et al. **Ann Thorac Surg** 1991 Apr;51(4):649-51 (8 ref.)

CHAGAS DISEASE see **TRYPANOSOMIASIS, SOUTH AMERICAN**

CHAMBERS, ATMOSPHERE EXPOSURE see **ATMOSPHERE EXPOSURE CHAMBERS**

CHAMPUS see **HEALTH BENEFIT PLANS, EMPLOYEE**

CHANCRE

DIAGNOSIS

[The so-called "giant chancre"] Anton'ev AA, et al. **Vestn Dermatol Venerol** 1990;(9):29-33 (62 ref.) **(Rus)**

CHANCROID

Chancroid and the role of genital ulcer disease in the spread of human retroviruses. Jessamine PG, et al. **Med Clin North Am** 1990 Nov;74(6):1417-31 (84 ref.)

COMPLICATIONS

Human immunodeficiency virus, genital ulcers and the male foreskin: synergism in HIV-1 transmission. Jessamine PG, et al. **Scand J Infect Dis Suppl** 1990;69:181-6 (22 ref.)

CHANGUINOLA VIRUS see **REOVIRIDAE**

CHANNEL BLOCKERS, CALCIUM see **CALCIUM CHANNEL BLOCKERS**

CHARACTER

Sadism and masochism in character disorder and resistance. Panel report. **J Am Psychoanal Assoc** 1991;39(1):215-26 (9 ref.)

CHARCOAL

Possibilities of selective and unselective adsorbent development in blood purification. Falkenhagen D, et al. **Contrib Nephrol** 1990;78:142-54; discussion 154-6 (19 ref.)

ADMINISTRATION & DOSAGE

Role of repeated doses of oral activated charcoal in the treatment of acute intoxications. McLuckie A, et al. **Anaesth Intensive Care** 1990 Aug;18(3):375-84 (75 ref.)

Multiple doses of activated charcoal: time for reappraisal? Tenenbein M. **Ann Emerg Med** 1991 May;20(5):529-31 (33 ref.)

Peroral application of synthetic activated charcoal in USSR. Nikolaev VG. **Biomater Artif Cells Artif Organs** 1990; 18(4):555-68 (95 ref.)

THERAPEUTIC USE

Oral-activated charcoal. An old friend revisited. Alam AS, et al. **N J Med** 1991 Feb;88(2):103-5 (55 ref.)

CHARCOT-MARIE DISEASE

COMPLICATIONS

Familial trigeminal neuralgia and Charcot-Marie-Tooth neuropathy. Report of two families and review. Coffey RJ, et al. **Surg Neurol** 1991 Jan;35(1):49-53 (31 ref.)

CHARCOT-MARIE-TOOTH DISEASE see **CHARCOT-MARIE DISEASE**

CHARCOT'S JOINT see **ARTHROPATHY, NEUROGENIC**

CHEDIAK-HIGASHI SYNDROME

COMPLICATIONS

[An adult case of Chédiak-Higashi syndrome with parkinsonism and marked atrophy of the central nervous system] Uyama E, et al. **Rinsho Shinkeigaku** 1991 Jan; 31(1):24–31 (30 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Chédiak-Higashi syndrome: a case report on an African infant. Nantulya FN, et al. **East Afr Med J** 1990 Sep; 67(9):674–80 (15 ref.)

CHEEK

Liposarcoma arising in the cheek: report of a case and review of the literature. Charnock DR, et al. **J Oral Maxillofac Surg** 1991 Mar;49(3):298–300 (22 ref.)

SURGERY

Local skin flaps on the cheeks. Bennett RG. **J Dermatol Surg Oncol** 1991 Feb;17(2):161–5 (6 ref.)

CHEEK BONE see **ZYGOMA**

CHEESE

The effect of cheese on dental caries: a review of the literature. Herod EL. **Aust Dent J** 1991 Apr;36(2):120–5 (41 ref.)

Glycolysis and related reactions during cheese manufacture and ripening. Fox PF, et al. **Crit Rev Food Sci Nutr** 1990; 29(4):237–53 (136 ref.)

CHEILITIS GRANULOMATOSA see **MELKERSSON-ROSENTHAL SYNDROME**

CHELATING AGENTS

see related
IRON CHELATES

Chelating properties of dietary fiber and phytate. The role for mineral availability. Frølich W. **Adv Exp Med Biol** 1990; 270:83–93 (22 ref.)

Chelates and antibodies: current methods and new directions. Gansow OA, et al. **Cancer Treat Res** 1990;51:153–71 (45 ref.)

Bifunctional chelating agents for radiometal-labeled monoclonal antibodies. Subramanian R, et al. **Cancer Treat Res** 1990;51:183–99 (50 ref.)

Novel bifunctional linkers for antibody chelation with radiometals. Wu RS. **Cancer Treat Res** 1990;51:215–32 (60 ref.)

Higher aliphatic 2,4-diketones: a ubiquitous lipid class with chelating properties, in search of a physiological function. Douglas DE. **J Lipid Res** 1991 Apr;32(4):553–8 (4 ref.)

Chemical basis for pharmacological and therapeutic actions of penicillamine. Friedman M. **Proc R Soc Med** 1977;70 Suppl 3:50–60 (89 ref.)

[Chelating agents] Cikrt M, et al. **Cas Lek Cesk** 1990 Sep 14;129(37):1153–7 (34 ref.) (Eng. Abstr.) **(Cze)**

CHEMISTRY

Newer approaches to the radiolabeling of monoclonal antibodies by use of metal chelates. Gansow OA. **Int J Rad Appl Instrum [B]** 1991;18(4):369–81 (45 ref.)

DIAGNOSTIC USE

Europium chelate labels in time-resolved fluorescence immunoassays and DNA hybridization assays. Diamandis EP, et al. **Anal Chem** 1990 Nov 15;62(22):1149A–1157A (34 ref.)

The antibody-linked chelating polymers for nuclear therapy and diagnostics. Torchilin VP, et al. **Crit Rev Ther Drug Carrier Syst** 1991;7(4):275–308 (101 ref.)

PHARMACOLOGY

HBED: a potential oral iron chelator. Grady RW, et al. **Ann N Y Acad Sci** 1990;612:361–8 (25 ref.)

New orally effective iron chelators. Animal studies. Hershko C, et al. **Ann N Y Acad Sci** 1990;612:351–60 (38 ref.)

THERAPEUTIC USE

Design, properties, and effective use of the oral chelator L1 and other alpha-ketohydroxypyridines in the treatment of transfusional iron overload in thalassemia. Kontoghiorghes GJ. **Ann N Y Acad Sci** 1990;612:339–50 (42 ref.)

Oral iron chelators for the clinical management of iron overload. Current hopes and problems. Piomelli S. **Ann N Y Acad Sci** 1990;612:311–4 (16 ref.)

Complexation of labile metal ions and effect on toxicity. Martell AE. **Biol Trace Elem Res** 1989 Jul–Sep;21:295–303 (12 ref.)

The antibody-linked chelating polymers for nuclear therapy and diagnostics. Torchilin VP, et al. **Crit Rev Ther Drug Carrier Syst** 1991;7(4):275–308 (101 ref.)

New developments in therapeutic chelating agents as antidotes for metal poisoning. Jones MM. **Crit Rev Toxicol** 1991;21(3):209–33 (256 ref.)

CHELATION THERAPY

Evaluation of the potential role of chelation therapy in treatment of low to moderate lead exposures. Chisolm JJ Jr. **Environ Health Perspect** 1990 Nov;89:67–74 (31 ref.)

Clinical studies on iron chelation in patients with thalassemia major. Freedman MH, et al. **Haematologica** 1990 Sep–Oct; 75 Suppl 5:74–83 (28 ref.)

Iron metabolism and iron chelation in the thalassaemia disorders. Pippard MJ. **Haematologica** 1990 Sep–Oct;75 Suppl 5:66–71 (21 ref.)

CHELIDONIUM see **PLANTS, MEDICINAL**

CHEMEXFOLIATION

Chemical face peels. Matarasso SL, et al. **Dermatol Clin** 1991 Jan;9(1):131–50 (48 ref.)

The role of chemical peeling in the treatment of photodamaged skin. Matarasso SL, et al. **J Dermatol Surg Oncol** 1990 Oct;16(10):945–54 (29 ref.)

METHODS

Chemical face peeling. Cortez EA. **Otolaryngol Clin North Am** 1990 Oct;23(5):947–61 (9 ref.)

CHEMICAL FACE PEELING see **CHEMEXFOLIATION**

CHEMICAL INDUSTRY

Organic acids and bases: review of toxicological studies. Leung HW, et al. **Am J Ind Med** 1990;18(6):717–35 (98 ref.)

Parental occupational exposures and risk of childhood cancer: a review. O'Leary LM, et al. **Am J Ind Med** 1991; 20(1):17–35 (49 ref.)

Immune mechanisms in beryllium lung disease. Deodhar SD, et al. **Cleve Clin J Med** 1991 Mar–Apr;58(2):157–60 (22 ref.)

[Laboratory diagnosis of renal changes caused by occupational chemical factors] Hanke J, et al. **Wiad Lek** 1990 Jun 15;43(12):583–9 (25 ref.) (Eng. Abstr.) **(Pol)**

[Possibilities of using dihydromonocalcium phosphate for prevention and treatment of chronic fluoride poisoning (review of the literature)] Iakovleva SS. **Gig Tr Prof Zabol** 1991;(2):28–9 (27 ref.) **(Rus)**

[Industrial factors in the production and processing of potash fertilizers and their effect on the body (review of the literature)] Khodykina TM. **Gig Tr Prof Zabol** 1990; (8):42–6 (56 ref.) **(Rus)**

[Public health aspects of the assessment of industrial wastes at the present time] Perelygin VM, et al. **Vestn Akad Med Nauk SSSR** 1991;(1):43–7 (9 ref.) (Eng. Abstr.) **(Rus)**

CHEMICAL MODELS see **MODELS, CHEMICAL**

CHEMICAL VACCINES see **VACCINES, SYNTHETIC**

CHEMICAL WARFARE

see related
DECONTAMINATION
GAS POISONING

Medical defense against blistering chemical warfare agents. Smith WJ, et al. **Arch Dermatol** 1991 Aug;127(8):1207–13 (60 ref.)

Treating exposure to chemical warfare agents: implications for health care providers and community emergency planning. Munro NB, et al. **Environ Health Perspect** 1990 Nov;89:205–15 (63 ref.)

Present state of control of chemical and biological weapons. Freeman SE. **Med War** 1991 Jan–Mar;7(1):16–20 (6 ref.)

Treatment of chemical and biological warfare injuries: insights derived from the 1984 Iraqi attack on Majnoon Island. Kadivar H, et al. **Mil Med** 1991 Apr;156(4):171–7 (20 ref.)

CHEMICAL WARFARE AGENTS

Chemical warfare--the nerve gases. Baraka A. **Middle East J Anesthesiol** 1991 Feb;11(1):5–23 (4 ref.)

CHEMICAL WATER POLLUTION see **WATER POLLUTION, CHEMICAL**

CHEMISTRY

see related
BRAIN CHEMISTRY
NEUROCHEMISTRY

"Radiation chemistry" literature compilations: their wider value in free radical research. Wardman P, et al. **Free Radic Biol Med** 1991;10(3–4):243–7 (41 ref.)

CHEMISTRY, ANALYTICAL

see related
AUTOANALYSIS
CHEMISTRY, CLINICAL

METHODS

Issues in dietary fiber analysis. Marlett JA. **Adv Exp Med Biol** 1990;270:183–92 (30 ref.)

Quantitative characterization of reversible molecular associations via analytical centrifugation. Minton AP. **Anal Biochem** 1990 Oct;190(1):1–6 (26 ref.)

Tracing aerosol pollutants with rare earth isotopes. Ondov JM, et al. **Anal Chem** 1991 Jul 1;63(13):691A–697A (15 ref.)

Development of chemiluminescence reactions in biomedical analysis. Baeyens WR, et al. **J Pharm Biomed Anal** 1989; 7(4):407–12 (66 ref.)

Validation of bioanalytical methods. Karnes HT, et al. **Pharm Res** 1991 Apr;8(4):421–6 (21 ref.)

CHEMISTRY, BIOINORGANIC

Bioinorganic chemistry. Tullius TD. **J Cell Biochem** 1991 Jan;45(1):5–6 (0 ref.)

CHEMISTRY, CLINICAL

Clinical chemistry. Anderson DJ, et al. **Anal Chem** 1991 Jun 15;63(12):165R–270R (2179 ref.)

Antibodies as a source of analytical errors. Kohse KP, et al. **J Clin Chem Clin Biochem** 1990 Dec;28(12):881–92 (74 ref.)

Enzyme electrodes in clinical analysis. Cardosi MF. **Scand J Clin Lab Invest Suppl** 1990;202:27–31 (14 ref.)

METHODS

Clinical chemical methods for assessing connective tissue metabolism. Risteli J. **Scand J Clin Lab Invest Suppl** 1990; 202:139–42 (10 ref.)

STANDARDS

The importance of imprecision. Fraser CG, et al. **Ann Clin Biochem** 1991 May;28 (Pt 3):207–11 (18 ref.)

Alcohol and the laboratory in the United Kingdom. Wright JW. **Ann Clin Biochem** 1991 May;28 (Pt 3):212–7 (23 ref.)

The evolution of quality assurance in clinical chemistry: a personal view. Hendry PI. **Aust Clin Rev** 1991; 11(1–2):56–60 (1 ref.)

Reference methods as a basis for accurate measuring systems. Büttner J. **Eur J Clin Chem Clin Biochem** 1991 Apr; 29(4):223–35 (113 ref.)

Quality assurance in clinical laboratories. An updated supplement to a bibliography. Uldall A. **Eur J Haematol Suppl** 1990;53:22–37 (248 ref.)

Endogenous interference in immunoassays in clinical chemistry. A review. Weber TH, et al. **Scand J Clin Lab Invest Suppl** 1990;201:77–82 (36 ref.)

TRENDS

Developments and changes in clinical chemistry in The Netherlands. van Dieijen-Visser MP, et al. **Ann Clin Biochem** 1991 Jan;28 (Pt 1):1–4 (14 ref.)

CHEMISTRY, INORGANIC

METHODS

Applications of capillary electrophoresis for industrial analysis. Stover FS. **Electrophoresis** 1990 Sep;11(9):750–6 (56 ref.)

CHEMISTRY, ORGANIC

METHODS

Applications of capillary electrophoresis for industrial analysis. Stover FS. **Electrophoresis** 1990 Sep;11(9):750–6 (56 ref.)

CHEMISTRY, PHARMACEUTICAL

see related
BIOPHARMACEUTICS

Drug delivery systems 5B. Oral drug delivery. Ranade VV. **J Clin Pharmacol** 1991 Feb;31(2):98–115 (57 ref.)

Medicinal chemistry: a support or a driving force in drug research? deStevens G. **Prog Drug Res** 1990;34:343–58 (14 ref.)

[The biochemical basis of pharmaceutical chemistry. 9. The effect of structure on biopharmaceutic/pharmacokinetic behavior] Nuhn P, et al. **Pharmazie** 1991 Jan;46(1):61–72 (44 ref.) **(Ger)**

[The biochemical basis of pharmaceutical chemistry. 8. The biological membrane as an attack point of drugs] Nuhn P. **Pharmazie** 1990 Sep;45(9):700–10 (63 ref.) **(Ger)**

[The biochemical basis of pharmaceutical chemistry. 10. Enzymes and enzyme inhibitors as drugs] Nuhn P, et al. **Pharmazie** 1991 May;46(5):365–82 (28 ref.) **(Ger)**

[Morphological and structural aspects of solid drug forms] Bettinetti G. **Boll Chim Farm** 1991 Mar;130(3):85–8 (12 ref.) (Eng. Abstr.) **(Ita)**

EDUCATION

PC-based molecular modeling in the classroom: applications to medicinal chemistry and biochemistry. Henkel JG. **J Mol Graph** 1991 Mar;9(1):11–7, 34–5 (12 ref.)

INSTRUMENTATION

Flow injection analysis of pharmaceuticals. Luque de Castro MD, et al. **J Pharm Biomed Anal** 1989;7(12):1291–300 (102 ref.)

METHODS

Automation of pharmaceutical dissolution testing by flow injection analysis. Luque de Castro MD, et al. **J Pharm Biomed Anal** 1990;8(4):329–36 (44 ref.)

Protein—solvent interactions in pharmaceutical formulations. Arakawa T, et al. **Pharm Res** 1991 Mar;8(3):285–91 (72 ref.)

[Thermoanalytic techniques for the study of pharmaceutical products] Nebuloni M. **Boll Chim Farm** 1990 Mar; 129(3):87–96 (33 ref.) (Eng. Abstr.) **(Ita)**

STANDARDS

Quantitation of DNA and protein impurities in biopharmaceuticals. Briggs J, et al. **Anal Chem** 1991 May 1;63(9):850–9 (51 ref.)

CHEMISTRY, PHYSICAL

Molecular dynamics simulations in biology. Karplus M, et al. **Nature** 1990 Oct 18;347(6294):631–9 (29 ref.)

METHODS

Physical principles of protein crystallization. Weber PC. **Adv Protein Chem** 1991;41:1–36 (114 ref.)

CHEMODECTOMA see **PARAGANGLIOMA, NONCHROMAFFIN**

CHEMOLYSIS, INTERVERTEBRAL DISK see **INTERVERTEBRAL DISK CHEMOLYSIS**

CHEMONUCLEOLYSIS see **INTERVERTEBRAL DISK CHEMOLYSIS**

CHEMORECEPTORS

DRUG EFFECTS

Toward a pharmacology of odor receptors and the processing of odor images. Shepherd GM, et al. **J Steroid Biochem Mol Biol** 1991 Oct;39(4B):583–92 (53 ref.)

PHYSIOLOGY

Chemoreceptor modulation of endogenous respiratory rhythms in vertebrates. Smatresk NJ. **Am J Physiol** 1990 Nov;259(5 Pt 2):R887–97 (115 ref.)

Correlative contribution of carotid and aortic afferences to the ventilatory chemosensory drive in steady-state normoxia and to the ventilatory chemoreflexes induced by transient hypoxia. Eugenin J, et al. **Arch Biol Med Exp (Santiago)** 1989 Dec;22(4):395–408 (35 ref.)

Cardiovascular reflexes from cardiac sensory receptors. Ludbrook J. **Aust N Z J Med** 1990 Aug;20(4):597–606 (82 ref.)

The chemoreflex control of breathing and its measurement. Duffin J. **Can J Anaesth** 1990 Nov;37(8):933–42 (17 ref.)

The role of chemosensitive muscle receptors in cardiorespiratory regulation during exercise. Tallarida G, et al. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S155–61 (21 ref.)

A kinetic model of the odor response in single olfactory receptor neurons. Firestein S, et al. **J Steroid Biochem Mol Biol** 1991 Oct;39(4B):615–20 (21 ref.)

Sensory processing in the main and accessory olfactory systems: comparisons and contrasts. Meredith M. **J Steroid Biochem Mol Biol** 1991 Oct;39(4B):601–14 (125 ref.)

Consequences of removing the vomeronasal organ. Wysocki CJ, et al. **J Steroid Biochem Mol Biol** 1991 Oct; 39(4B):661–9 (51 ref.)

Taste cells in the gut and on the tongue. Their common, paraneuronal features. Fujita T. **Physiol Behav** 1991 May; 49(5):883–5 (12 ref.)

CHEMOTACTIC FACTOR, MACROPHAGE-DERIVED see **INTERLEUKIN-8**

CHEMOTACTIC FACTOR, NEUTROPHIL, MONOCYTE-DERIVED see **INTERLEUKIN-8**

CHEMOTACTIC FACTORS

see related
PHEROMONES

ISOLATION & PURIFICATION

Interleukin 8 and MCAF: novel inflammatory cytokines inducible by IL 1 and TNF. Matsushima K, et al. **Cytokine** 1989 Nov;1(1):2–13 (50 ref.)

METABOLISM

Leukocyte chemoattractant cytokines of the epidermis. Camp RD, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):108S–110S (35 ref.)

Chemoattractant stimulation of polymorphonuclear leucocyte locomotion. Cassimeris L, et al. **Semin Cell Biol** 1990 Apr;1(2):125–34 (73 ref.)

PHARMACOLOGY

How do leucocytes perceive chemical gradients? Wilkinson PC. **FEMS Microbiol Immunol** 1990 Dec;2(5–6):303–11 (35 ref.)

PHYSIOLOGY

Monocyte chemotactic proteins from human tumor cells. Graves DT, et al. **Biochem Pharmacol** 1991 Feb 1; 41(3):333–7 (44 ref.)

Abnormal cutaneous topobiology: the molecular basis for dermatopathologic mononuclear cell patterns in inflammatory skin disease. Nickoloff BJ, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):128S–131S (36 ref.)

CHEMOTACTIC FACTORS, EOSINOPHIL

PHYSIOLOGY

[Eosinophil and eosinophil chemotactic] Zhou SL. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):25–9 (23 ref.) **(Chi)**

CHEMOTACTIC FACTORS, MACROPHAGE

PHYSIOLOGY

Monocyte chemotactic proteins from human tumor cells. Graves DT, et al. **Biochem Pharmacol** 1991 Feb 1; 41(3):333–7 (44 ref.)

CHEMOTAXINS see **CHEMOTACTIC FACTORS**

CHEMOTAXIS

see related
CHEMORECEPTORS
CHEMOTACTIC FACTORS

Bacterial chemotaxis and the molecular logic of intracellular signal transduction networks. Stock JB, et al. **Annu Rev Biophys Biophys Chem** 1991;20:109–36 (149 ref.)

Short-term and long-term memory in single cells. Morimoto BH, et al. **FASEB J** 1991 Apr;5(7):2061–7 (41 ref.)

IMMUNOLOGY

Chemotaxis of human blood monocytes. Methodological and clinical aspects. Nielsen H. **Dan Med Bull** 1990 Oct; 37(5):406–23 (302 ref.)

PHYSIOLOGY

Pseudopodium activation and inhibition signals in chemotaxis by Dictyostelium discoideum amoebae. Fisher PR. **Semin Cell Biol** 1990 Apr;1(2):87–97 (54 ref.)

Signal transduction for chemotaxis in Dictyostelium amoebae. Newell PC, et al. **Semin Cell Biol** 1990 Apr; 1(2):105–13 (72 ref.)

CHEMOTAXIS, LEUKOCYTE

Control of motility, exocytosis and the respiratory burst in human neutrophils. Baggiolini M, et al. **Biochem Soc Trans** 1991 Feb;19(1):55–9 (54 ref.)

Neutrophil dysfunction in glycogen storage disease Ib: association with Crohn's-like colitis. Couper R, et al. **Gastroenterology** 1991 Feb;100(2):549–54 (30 ref.)

Leukocyte chemoattractant cytokines of the epidermis. Camp RD, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):108S–110S (35 ref.)

DRUG EFFECTS

The inhibiting effect of cetirizine 2 HCl on eosinophil migration and its link to H1 blockade. Rihoux JP. **Agents Actions Suppl** 1991;33:409–15 (17 ref.)

Effects of dietary fish oil on leukocyte leukotriene and PAF generation and on neutrophil chemotaxis. Sperling RI. **World Rev Nutr Diet** 1991;66:391–400 (26 ref.)

PHYSIOLOGY

Indices of inflammatory activity in CB and COAD. Phagocyte secretion and chemotaxis. Venge P, et al. **Agents Actions Suppl** 1990;30:219–28 (10 ref.)

How do leucocytes perceive chemical gradients? Wilkinson PC. **FEMS Microbiol Immunol** 1990 Dec;2(5–6):303–11 (35 ref.)

CHEMOTHERAPY see **DRUG THERAPY**

CHENIC ACID see **CHENODEOXYCHOLIC ACID**

CHENODEOXYCHOLATE see **CHENODEOXYCHOLIC ACID**

CHENODEOXYCHOLIC ACID

THERAPEUTIC USE

Treatment of cholesterol gallstones with litholytic bile acids. Salen G, et al. **Gastroenterol Clin North Am** 1991 Mar; 20(1):171–82 (56 ref.)

Current options for the management of gallstones. Desmond PV. **Med J Aust** 1991 Mar 18;154(6):400–1, 404–6 (22 ref.)

CHENODIOL see **CHENODEOXYCHOLIC ACID**

CHENUDA VIRUS see **REOVIRIDAE**

CHERUBISM

RADIOGRAPHY

Cherubism involving a mother and daughter: case reports and review of the literature. Faircloth WJ Jr, et al. **J Oral Maxillofac Surg** 1991 May;49(5):535–42 (24 ref.)

CHEST see **THORAX**

CHEST PAIN

see related
ANGINA PECTORIS

Recurrent chest pain in adolescents. Brown RT. **Pediatr Ann** 1991 Apr;20(4):194–9 (19 ref.)

DIAGNOSIS

The diagnosis of nonanginal chest pain. Constant J. **Keio J Med** 1990 Sep;39(3):187–92 (31 ref.)

Common complaints with cardiac implications in children. Sharkey AM, et al. **Pediatr Clin North Am** 1991 Jun; 38(3):657–66 (17 ref.)

ETIOLOGY

Chest pain. Dunn MI, et al. **Biomed Pharmacother** 1990; 44(7):353–7 (43 ref.)

Oesophageal disease and non-cardiac chest pain. Holloway RH. **J Gastroenterol Hepatol** 1990 Mar–Apr;5(2):180–93 (141 ref.)

Mitral valve prolapse, panic disorder, and chest pain. Alpert MA, et al. **Med Clin North Am** 1991 Sep;75(5):1119–33 (129 ref.)

Unexplained chest pain and breathlessness. Bass C. **Med Clin North Am** 1991 Sep;75(5):1157–73 (63 ref.)

The relationship between esophageal motility disorders and microvascular angina. Benjamin SB. **Med Clin North Am** 1991 Sep;75(5):1135–42 (39 ref.)

Microvascular angina. Cardiovascular investigations regarding pathophysiology and management. Cannon RO 3d. **Med Clin North Am** 1991 Sep;75(5):1097–118 (76 ref.)

Esophageal motility disorders and chest pain. Langevin S, et al. **Med Clin North Am** 1991 Sep;75(5):1045–63 (97 ref.)

Gastroesophageal reflux disease as a cause of chest pain. Richter JE. **Med Clin North Am** 1991 Sep;75(5):1065–80 (54 ref.)

Chest pain of non-cardiac origin. Janssens J, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):153–5 (16 ref.)

Chest pain in teenagers. When is it significant? Milov DE, et al. **Postgrad Med** 1990 Oct;88(5):145–8, 153–4 (25 ref.)

Chest pain with normal coronary anatomy: a review of natural history and possible etiologic factors. Chambers J, et al. **Prog Cardiovasc Dis** 1990 Nov–Dec;33(3):161–84 (214 ref.)

[Thoracic pain and esophageal motility disorders] Guyot J. **Schweiz Rundsch Med Prax** 1991 Feb 5;80(6):106–8 (24 ref.) (Eng. Abstr.) **(Fre)**

[Non-cardiac thoracic pain. Diagnosis, differential diagnosis and therapy] Rösch W. **Fortschr Med** 1991 Feb 10; 109(4):113–5 (10 ref.) (Eng. Abstr.) **(Ger)**

[Chest pain: cardiac or esophageal?] Stermer E, et al. **Harefuah** 1990 Jul;119(1–2):32–4 (48 ref.) **(Heb)**

["Esophageal" angina and angina pectoris] Bortolotti M, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):145–52 (42 ref.) (Eng. Abstr.) **(Ita)**

[Esophageal angina] Cheli R, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):137–41 (17 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Pain threshold levels and coping strategies among patients who have chest pain and normal coronary arteries. Bradley LA, et al. **Med Clin North Am** 1991 Sep;75(5):1189–202 (38 ref.)

PSYCHOLOGY

Validating studies for panic disorder in patients with angiographically normal coronary arteries. Beitman BD, et al. **Med Clin North Am** 1991 Sep;75(5):1143–55 (57 ref.)

Psychiatric aspects of chest pain in the emergency department. Wulsin LR, et al. **Med Clin North Am** 1991

Sep;75(5):1175–88 (50 ref.)

CHEWING see **MASTICATION**

CHEWING GUM

Chewing gum as aid in treatment of hyposalivation. Odusola F. **N Y State Dent J** 1991 Apr;57(4):28–31 (40 ref.)

CHEWING TOBACCO see **TOBACCO, SMOKELESS**

CHEYNE-STOKES RESPIRATION

[Cheyne–Stokes respiration in adults] Faber J. **Rev Mal Respir** 1991;8(1):3–12 (69 ref.) (Eng. Abstr.) **(Fre)**

CHIARI'S SYNDROME see **HEPATIC VEIN THROMBOSIS**

CHICANOS see **HISPANIC AMERICANS**

CHICK EMBRYO

CYTOLOGY

Cell lineage restrictions in the chick embryo hindbrain. Lumsden A. **Philos Trans R Soc Lond [Biol]** 1991 Mar 29; 331(1261):281–6 (33 ref.)

METABOLISM

Lipid metabolism and the neonatal chicken. Noble RC, et al. **Prog Lipid Res** 1990;29(2):107–40 (208 ref.)

PARASITOLOGY

Cultivation of helminths in chick embryos. Fried B, et al. **Adv Parasitol** 1991;30:108–65 (158 ref.)

PHYSIOLOGY

Gordon memorial lecture. Physics and physiology of incubation. Visschedijk AH. **Br Poult Sci** 1991 Mar; 32(1):3–20 (34 ref.)

CHICKEN TUMOR 1 VIRUS see **AVIAN SARCOMA VIRUSES**

CHICKENPOX

Varicella disciform stromal keratitis. Wilhelmus KR, et al. **Am J Ophthalmol** 1991 May 15;111(5):575–80 (50 ref.)

COMPLICATIONS

Wells' syndrome in children: varicella infection as a precipitating event. Reichel M, et al. **Br J Dermatol** 1991 Feb;124(2):187–90 (30 ref.)

[Varicella myocarditis and junctional ectopic tachycardia] Senellart F, et al. **Pediatrie** 1991;46(3):267–70 (15 ref.) (Eng. Abstr.) **(Fre)**

CONGENITAL

Congenital varicella and the newborn cry. Gaynor EB. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):541–4 (20 ref.)

Varicella in the womb and beyond. Brunell PA. **Pediatr Infect Dis J** 1990 Oct;9(10):770–2 (27 ref.)

DRUG THERAPY

Treatment with acyclovir of varicella pneumonia in pregnancy. Broussard RC, et al. **Chest** 1991 Apr; 99(4):1045–7 (23 ref.)

Diphenhydramine toxicity in three children with varicella–zoster infection. Chan CY, et al. **DICP** 1991 Feb; 25(2):130–2 (17 ref.)

Natural history and treatment of varicella–zoster in high–risk populations. Gnann JW, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:317–29 (100 ref.)

[Results of virostatic treatment of varicella with various severity] Stary A. **Hautarzt** 1991 Feb;42(2):72–6 (32 ref.) (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Varicella–zoster virus. The Fourteenth Fleming lecture. Davison AJ. **J Gen Virol** 1991 Mar;72 (Pt 3):475–86 (123 ref.)

PREVENTION & CONTROL

A live varicella vaccine. Takahashi M, et al. **Adv Exp Med Biol** 1990;278:49–58 (22 ref.)

Control of viral infections in hospitals. Breuer J, et al. **J Hosp Infect** 1990 Oct;16(3):191–221 (186 ref.)

Consensus: varicella–zoster infections in pregnancy and the perinatal period. Prober CG, et al. **Pediatr Infect Dis J** 1990 Dec;9(12):865–9 (12 ref.)

TRANSMISSION

Incidence of herpes zoster in infancy in Japan. Taki M, et al. **Acta Paediatr Jpn** 1991 Feb;33(1):57–60 (18 ref.)

CHICKENPOX VIRUS see **VARICELLA–ZOSTER VIRUS**

CHICKENS

Production of Marek's disease vaccine. Ben–Nathan D, et al. **Adv Biotechnol Processes** 1990;14:347–65 (157 ref.)

[Effect of viral structure and replication characteristics on the pathogenesis of infectious bursal disease] Müller H. **Berl Munch Tierarztl Wochenschr** 1991 Apr 1;104(4):113–7 (30 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

Identification of markers associated with quantitative trait loci in chickens by DNA fingerprinting. Kuhnlein U, et al. **Experientia Suppl** 1991;58:274–82 (14 ref.)

Development of progestin–specific response in the chicken oviduct. Tuohimaa P, et al. **Int J Dev Biol** 1989 Mar; 33(1):125–34 (103 ref.)

GROWTH & DEVELOPMENT

Adipose cellularity in Gallus domesticus: investigations to control body composition in growing chickens. Cartwright AL. **J Nutr** 1991 Sep;121(9):1486–97 (101 ref.)

IMMUNOLOGY

The neuro–B cell link of peptidergic innervation in the Bursa Fabricii. Zentel HJ, et al. **Brain Behav Immun** 1991 Mar; 5(1):132–47 (56 ref.)

Genetic control of cell–mediated immunity in chickens. Bacon LD, et al. **Poult Sci** 1991 May;70(5):1187–99 (113 ref.)

Analysis of gamma delta T cells in the chicken. Bucy RP, et al. **Semin Immunol** 1991 Mar;3(2):109–17 (72 ref.)

METABOLISM

Pharmacokinetic and residue studies of quinolone compounds and olaquindox in poultry. Anadón A, et al. **Ann Rech Vet** 1990;21 Suppl 1:137S–144S (23 ref.)

Protein kinase C in preovulatory follicles from the hen ovary. Tilly JL, et al. **Domest Anim Endocrinol** 1991 Jan;8(1):1–13 (95 ref.)

Excess phosphorus impairs manganese utilization in chicks. **Nutr Rev** 1991 Apr;49(4):125–7 (7 ref.)

PHYSIOLOGY

The chick as a model system for studying neural processes in learning and memory. Rosenzweig MR. **NIDA Res Monogr** 1990;97:1–21 (51 ref.)

CHILD

Child and adolescent suicide. Acosta–Rua MV. **J Fla Med Assoc** 1991 May;78(5):295–8 (8 ref.)

The child between nature and culture. Burgio GR. **Klin Padiatr** 1991 Mar–Apr;203(2):65–71 (24 ref.)

CHILD ABUSE

Juvenile ageism: unrecognized prejudice and discrimination against the young. Westman JC. **Child Psychiatry Hum Dev** 1991 Summer;21(4):237–56 (58 ref.)

[Child abuse and neglect. I] Gjurić G, et al. **Lijec Vjesn** 1991 Jan–Feb;113(1–2):42–6 (42 ref.) (Eng. Abstr.) **(Scr)**

[Child abuse and neglect. II] Gjurić G, et al. **Lijec Vjesn** 1991 Mar–Apr;113(3–4):93–4 (23 ref.) (Eng. Abstr.) **(Scr)**

COMPLICATIONS

Child abuse as an antecedent of multiple personality disorder. Baldwin LC. **Am J Occup Ther** 1990 Nov;44(11):978–83 (19 ref.)

Epidemiology and outcome of child abuse. Rosenberg DA, et al. **Annu Rev Med** 1991;42:217–24 (22 ref.)

DIAGNOSIS

Assessing child abuse in the dermatologist's office. Schachner LA, et al. **Adv Dermatol** 1988;3:61–74 (22 ref.)

[Diagnostic aspects in child abuse] Metz O. **Kinderarztl Prax** 1990 Dec;58(12):621–33 (19 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

Abuse and neglect of American Indian children: findings from a survey of federal providers. Piasecki JM, et al. **Am Indian Alsk Native Ment Health Res** 1989;3(2):43–62 (31 ref.)

[The problem of child abuse and neglect. 1: Analysis of hospital treated pediatric and pediatric surgical patients] Külz J, et al. **Kinderarztl Prax** 1990 Dec;58(12):635–43 (57 ref.) (Eng. Abstr.) **(Ger)**

[Prevention of child abuse] Frontera Izquierdo P, et al. **An Esp Pediatr** 1990 Aug;33(2):140–3 (26 ref.) **(Spa)**

ETIOLOGY

Münchausen's syndrome by proxy as a form of child abuse. Yorker BC, et al. **Arch Psychiatr Nurs** 1990 Oct;4(5):313–8 (31 ref.)

LEGISLATION & JURISPRUDENCE

Prosecution to enhance treatment. Goldsmith S. **Child Today** 1990 Jul–Aug;19(4):13–6, 36 (26 ref.)

PREVENTION & CONTROL

Factors affecting the foster care placement decision: an analysis of national survey data. Lindsey D. **Am J Orthopsychiatry** 1991 Apr;61(2):272–81 (32 ref.)

Cross–cultural perspectives and research directions for the 21st century. Korbin JE. **Child Abuse Negl** 1991;15 Suppl 1:67–77 (100 ref.)

PSYCHOLOGY

Integrating affect in treatment with adult survivors of physical and sexual abuse. Cornell WF, et al. **Am J Orthopsychiatry** 1991 Jan;61(1):59–69 (38 ref.)

Self–esteem as a factor in social and domestic violence. Rosen I. **Br J Psychiatry** 1991 Jan;158:18–23 (11 ref.)

Children's observations of violence: I. Critical issues in child development and intervention planning. Jaffe PG, et al. **Can J Psychiatry** 1990 Aug;35(6):466–70 (37 ref.)

Professional and clinical challenges to protection of children. Jones DP. **Child Abuse Negl** 1991;15 Suppl 1:57–66 (32 ref.)

Chemical dependency in women: a description of its effects and outcome on adequate parenting. Davis SK. **J Subst Abuse Treat** 1990;7(4):225–32 (31 ref.)

Crime at home and in the streets: the relationship between family and stranger violence. Fagan J, et al. **Violence Vict** 1987 Spring;2(1):5–23 (110 ref.)

The ecology of child abuse and neglect: review of the literature and presentation of data. Zuravin SJ. **Violence Vict** 1989 Summer;4(2):101–20 (55 ref.)

THERAPY

A multidimensional model for treatment of child abuse: a framework for cooperation. Baglow LJ. **Child Abuse Negl** 1990;14(3):387–95 (15 ref.)

CHILD ABUSE, SEXUAL

Physical, sexual, and emotional abuse of children. Kessler DB, et al. **Clin Symp** 1991;43(1):1–32 (20 ref.)

Sexual abuse of children. De Jong AR, et al. **Curr Probl Pediatr** 1990 Sep;20(9):489–567 (175 ref.)

Child sexual abuse. Gurry DL. **Med J Aust** 1991 Jan 7; 154(1):9–11 (4 ref.)

DIAGNOSIS

Credibility examination of children and adolescents on the question of sexual abuse. von Klitzing K. **Acta Paedopsychiatr** 1990;53(3):181–90 (14 ref.)

Childhood sexual abuse—a dermatological perspective. Berth–Jones J, et al. **Clin Exp Dermatol** 1990 Sep; 15(5):321–30 (86 ref.)

Medical evaluation of child victims of sexual abuse. Muram D. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):250–8 (7 ref.)

Medical evaluation of young sexual abuse victims: a view entering the 1990s. Reinhart MA. **Med Sci Law** 1991 Jan; 31(1):81–6 (23 ref.)

EPIDEMIOLOGY

Is childhood sexual abuse really increasing in prevalence? An analysis of the evidence. Feldman W, et al. **Pediatrics** 1991 Jul;88(1):29–33 (26 ref.)

LEGISLATION & JURISPRUDENCE

Possible explanations for child sexual abuse allegations in divorce. Faller KC. **Am J Orthopsychiatry** 1991 Jan; 61(1):86–91 (27 ref.)

Forensic psychological examination of the child witness in cases of alleged sexual abuse. Weissman HN. **Am J Orthopsychiatry** 1991 Jan;61(1):48–58 (42 ref.)

Ritualism and child sexual abuse [comment] Jones DP. **Child Abuse Negl** 1991;15(3):163–70 (13 ref.) Comment on: Child Abuse Negl 1991;15(3):181–9. Comment on: Child Abuse Negl 1991;15(3):191–6.

Sexual abuse and exploitation of children and adults with mental retardation and other handicaps. Tharinger D, et al. **Child Abuse Negl** 1990;14(3):301–12 (53 ref.)

PATHOLOGY

The pathology and medicolegal aspects of sexual activity. Eckert WG, et al. **Am J Forensic Med Pathol** 1991 Mar; 12(1):3–15 (30 ref.)

PSYCHOLOGY

Integrating affect in treatment with adult survivors of physical and sexual abuse. Cornell WF, et al. **Am J Orthopsychiatry** 1991 Jan;61(1):59–69 (38 ref.)

Long–term effects of sexual abuse which occurred in childhood: a review. Cahill C, et al. **Br J Clin Psychol** 1991 May;30 (Pt 2):117–30 (30 ref.)

Boy–lovers and their influence on boys: distorted research and anecdotal observations. Brongersma E. **J Homosex** 1990;20(1–2):145–73 (110 ref.)

The study of intergenerational intimacy in North America: beyond politics and pedophilia. Jones GP. **J Homosex** 1990; 20(1–2):275–95 (110 ref.)

Understanding childhood sexualities. Plummer K. **J Homosex** 1990;20(1-2):231-49 (55 ref.)
Man/boy love and the American gay movement. Thorstad D. **J Homosex** 1990;20(1-2):251-74 (45 ref.)

THERAPY

Treatment of sexual abuse which occurred in childhood: a review. Cahill C, et al. **Br J Clin Psychol** 1991 Feb;30 (Pt 1):1-12 (31 ref.)
A multidimensional model for treatment of child abuse: a framework for cooperation. Baglow LJ. **Child Abuse Negl** 1990;14(3):387-95 (15 ref.)

CHILD ADVOCACY

Juvenile ageism: unrecognized prejudice and discrimination against the young. Westman JC. **Child Psychiatry Hum Dev** 1991 Summer;21(4):237-56 (58 ref.)
Our children's health: prospects for the 1990's. Moodie DS. **Clin Pediatr (Phila)** 1991 Jun;30(6):357-62 (11 ref.)

LEGISLATION & JURISPRUDENCE

Medicolegal issues in pediatric and adolescent emergencies. Rice MM. **Emerg Med Clin North Am** 1991 Aug; 9(3):677-95 (96 ref.)
Children on the stand: the obligation to speak the truth. Burton RV, et al. **J Dev Behav Pediatr** 1991 Apr; 12(2):121-8 (66 ref.)

CHILD BEHAVIOR

The relationship between language and behaviour. Gordon N. **Dev Med Child Neurol** 1991 Jan;33(1):86-9 (24 ref.)
Considerations in behavior management of the pediatric dental patient. Helping children cope with dental treatment. Musselman RJ. **Pediatr Clin North Am** 1991 Oct; 38(5):1309-24 (31 ref.)
Suicidal behavior in children and adolescents: a clinical and research perspective. Pfeffer CR. **Yale J Biol Med** 1990 Jul-Aug;63(4):325-32 (39 ref.)

PHYSIOLOGY

[Human ontogenesis from a behavioral biological viewpoint] Tembrock G. **Arztl Jugendkd** 1990;81(5):424-9 (9 ref.) (Eng. Abstr.) **(Ger)**

CHILD BEHAVIOR DISORDERS

Childhood psychiatric disorders. Focus on conduct disorders. Friedman RM. **J Fla Med Assoc** 1990 Aug;77(8):754-7 (28 ref.)
Behaviour disorders in children. Soddy A. **Med J Aust** 1991 Jan 7;154(1):41-3 (4 ref.)

COMPLICATIONS

Antisocial behavior: more enduring than changeable? Loeber R. **J Am Acad Child Adolesc Psychiatry** 1991 May; 30(3):393-7 (36 ref.)
Comorbidity: a critical issue in attention deficit disorder. Shaywitz BA, et al. **J Child Neurol** 1991;6 Suppl:S13-22 (88 ref.)

DIAGNOSIS

The relationship between language and behaviour. Gordon N. **Dev Med Child Neurol** 1991 Jan;33(1):86-9 (24 ref.)
Complete evaluation of the child identified as a poor listener. Grundfast KM, et al. **Int J Pediatr Otorhinolaryngol** 1991 Feb;21(1):65-78 (23 ref.)
Conduct disorder. Robins LN. **J Child Psychol Psychiatry** 1991 Jan;32(1):193-212 (75 ref.)
Childhood hyperactivity. Schachar R. **J Child Psychol Psychiatry** 1991 Jan;32(1):155-91 (225 ref.)
Questionnaires in behavioral pediatrics: guidelines for selection and use [see comments] Eisert DC, et al. **J Dev Behav Pediatr** 1991 Feb;12(1):42-50 (51 ref.) Comment in: J Dev Behav Pediatr 1991 Feb;12(1):51-4.
Pediatric behavioral neurology: an update on the neurologic aspects of depression, hyperactivity, and learning disabilities [published erratum appears in Neurol Clin 1991 Feb;9(1):viii] Brumback RA, et al. **Neurol Clin** 1990 Aug; 8(3):677-703 (157 ref.)
Conduct disorders in children and adolescents. Gottlieb SE, et al. **Pediatr Rev** 1991 Jan;12(7):218-23 (23 ref.)
Methods and measures of behavior in the diagnosis of autism and related disorders. Lord C. **Psychiatr Clin North Am** 1991 Mar;14(1):69-80 (48 ref.)
[Restless children. An exercise in epistemic confusion] Ludewig K. **Prax Kinderpsychol Kinderpsychiatr** 1991 May-Jun;40(5):158-66 (40 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Pharmacologic control of aberrant behavior in the mentally retarded: toward a more rational approach. Baumeister AA, et al. **Neurosci Biobehav Rev** 1990 Fall;14(3):253-62 (190 ref.)

EPIDEMIOLOGY

Comorbidity of attention deficit hyperactivity disorder with conduct, depressive, anxiety, and other disorders. Biederman J, et al. **Am J Psychiatry** 1991 May; 148(5):564-77 (118 ref.)
Prevalence of behavioral symptoms and the relationship of child, parent, and family variables in 4- and 5-year-olds: results from the Ontario Child Health Study. Thomas BH, et al. **J Dev Behav Pediatr** 1991 Jun;12(3):177-84 (27 ref.)

ETIOLOGY

Psychobehavioral disturbance in epileptic children. Cavazzuti GB, et al. **Childs Nerv Syst** 1990 Dec;6(8):430-3 (21 ref.)
Growth hormone deficiency in children has psychological and educational co-morbidity. Stabler B, et al. **Clin Pediatr (Phila)** 1991 Mar;30(3):156-60 (20 ref.)

PSYCHOLOGY

Native ethics and rules of behaviour. Brant CC. **Can J Psychiatry** 1990 Aug;35(6):534-9 (29 ref.)
Annotation: recent life events and psychiatric disorder in school age children. Goodyer IM. **J Child Psychol Psychiatry** 1990 Sep;31(6):839-48 (41 ref.)

THERAPY

Social behavior of students who are seriously emotionally disturbed. A quantitative analysis of intervention studies. Singh NN, et al. **Behav Modif** 1991 Jan;15(1):74-94 (60 ref.)
Studies of the effectiveness of day treatment programs for children. Sayegh L, et al. **Can J Psychiatry** 1991 May; 36(4):246-53 (38 ref.)
Behavioral treatment in pediatrics. Varni JW, et al. **Curr Probl Pediatr** 1990 Nov;20(11):639-704 (101 ref.)
A review of child psychotherapy research since 1963. Barrnett RJ, et al. **J Am Acad Child Adolesc Psychiatry** 1991 Jan;30(1):1-14 (80 ref.)
Inpatient psychiatric treatment of children and adolescents: a review of outcome studies. Pfeiffer SI, et al. **J Am Acad Child Adolesc Psychiatry** 1990 Nov; 29(6):847-53 (52 ref.)
Modification of childhood aggression. Lochman JE. **Prog Behav Modif** 1990;25:47-85 (95 ref.)
Enhancement of social learning family interventions for childhood conduct disorder. Miller GE, et al. **Psychol Bull** 1990 Sep;108(2):291-307 (260 ref.)
Parent-professional relationships in the treatment of seriously emotionally disturbed children and adolescents. Collins B, et al. **Soc Work** 1990 Nov;35(6):522-7 (50 ref.)

CHILD CARE

see related
CHILD REARING

TRENDS

[Forms of care and children's infections. 1. Occurrence and causal factors] Uldall P. **Ugeskr Laeger** 1990 Aug 13; 152(33):2345-8 (30 ref.) (Eng. Abstr.) **(Dan)**

CHILD CUSTODY

LEGISLATION & JURISPRUDENCE

The Israeli legal system concerning minors--is the child's best interest served? Blank S. **Med Law** 1990;9(4):1062-8 (21 ref.)
Psychological and judicial parenthood. van Nijnatten CH. **Med Law** 1990;9(4):1070-6 (15 ref.)
The role of behavior therapists in child custody cases. Emery RE, et al. **Prog Behav Modif** 1990;26:60-88 (75 ref.)

CHILD DAY CARE CENTERS

Child care options for ill children. Landis SE, et al. **Pediatrics** 1991 Oct;88(4):705-18 (69 ref.)
From Leningrad to the day-care center. The ubiquitous Giardia lamblia. Shandera WX. **West J Med** 1990 Aug; 153(2):154-9 (139 ref.)
[Forms of care and children's infections. 1. Occurrence and causal factors] Uldall P. **Ugeskr Laeger** 1990 Aug 13; 152(33):2345-8 (30 ref.) (Eng. Abstr.) **(Dan)**
[Is separation of classrooms an efficient method for the prevention of dissemination of infectious diseases in day care centers?] Costa Bou X. **An Esp Pediatr** 1991 Feb; 34(2):145-8 (35 ref.) **(Spa)**

CHILD DEVELOPMENT

see related
GROWTH
MOTOR SKILLS
PERSONALITY DEVELOPMENT

Some developmental implications of a disturbance in responding to complex environmental stimuli. Burke JC. **Am J Ment Retard** 1991 Jul;96(1):37-52 (150 ref.)
Current concepts of children's perceptions of control. Coster WJ, et al. **Am J Occup Ther** 1991 Jan;45(1):19-25 (41 ref.)
Health effects of housing status on children: a house is not a home. Agustin MS. **Bull N Y Acad Med** 1990 Sep-Oct; 66(5):500-14 (41 ref.)
Children, adolescents, and television. Dietz WH, et al. **Curr Probl Pediatr** 1991 Jan;21(1):8-31; discussion 32 (206 ref.)
Assessment and treatment of children's headaches from a developmental perspective. Marcon RA, et al. **Headache** 1990 Sep;30(9):586-92 (41 ref.)
Growth in allergic children. Solé D, et al. **J Asthma** 1989; 26(4):217-21 (49 ref.)
Laterality and cerebral dominance. Annett M. **J Child Psychol Psychiatry** 1991 Jan;32(2):219-32 (90 ref.)
Annotation: the analysis of change in longitudinal studies of development. Pickles A. **J Child Psychol Psychiatry** 1991 May;32(4):571-9 (39 ref.)
Autistic children: diagnosis and clinical features. Rapin I. **Pediatrics** 1991 May;87(5 Pt 2):751-60 (61 ref.)
Changes in posture control across the life span--a systems approach. Woollacott MH, et al. **Phys Ther** 1990 Dec; 70(12):799-807 (38 ref.)
Evidence that lack of brain dopamine during development can increase the susceptibility for aggression and self-injurious behavior by influencing D1-dopamine receptor function. Breese GR, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990;14 Suppl:S65-80 (52 ref.)
Developmental change in speed of processing during childhood and adolescence. Kail R. **Psychol Bull** 1991 May; 109(3):490-501 (90 ref.)
[Scientific studies of hygiene in children and adolescent in past 5 years (1985-1989). Retrospects and prospects] Ye GJ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1991 Jan; 25(1):4-8 (0 ref.) **(Chi)**
[The experiences of a child with trisomy 21 after attending the Center for Early Medico-social Intervention during the 1st years of life] Raynaud D. **Ann Pediatr (Paris)** 1990 Oct;37(8):518-21, 528 (71 ref.) (Eng. Abstr.) **(Fre)**
[Listening to children with trisomy 21 and their parents. Psychological aspects] Sausse S. **Ann Pediatr (Paris)** 1990 Oct;37(8):522-6, 528 (71 ref.) (Eng. Abstr.) **(Fre)**
[The paradigm of childhood] Laflaquière A. **Psychiatr Enfant** 1990;33(2):365-89 (30 ref.) (Eng. Abstr.) **(Fre)**
[Epidemiological approach to anxiety disorders in children] Jalenques I, et al. **Rev Med Suisse Romande** 1991 Jul; 111(7):631-9 (29 ref.) **(Fre)**

PHYSIOLOGY

Iron deficiency and the brain. Parks YA, et al. **Acta Paediatr Scand Suppl** 1989;361:71-7 (25 ref.)
Rate of maturation of the hippocampus and the developmental progression of children's performance on the delayed non-matching to sample and visual paired comparison tasks. Diamond A. **Ann N Y Acad Sci** 1990; 608:394-426; discussion 426-33 (106 ref.)
Recall of events by preverbal children. Mandler JM. **Ann N Y Acad Sci** 1990;608:485-503; discussion 503-16 (56 ref.)
Towards a developmental cognitive science. The implications of cross-modal matching and imitation for the development of representation and memory in infancy. Meltzoff AN. **Ann N Y Acad Sci** 1990;608:1-31; discussion 31-7 (154 ref.)
Span of integration for delayed-reward contingency learning in 6- to 8-month-old infants. Millar WS. **Ann N Y Acad Sci** 1990;608:239-59; discussion 259-66 (73 ref.)
Performance on traditional matching to sample, non-matching to sample, and object discrimination tasks by 12- to 32-month-old children. A developmental progression. Overman WH. **Ann N Y Acad Sci** 1990; 608:365-85; discussion 385-93 (34 ref.)
The role of exercise in children and adolescents. McKeag DB. **Clin Sports Med** 1991 Jan;10(1):117-30 (28 ref.)
Natural history of the development of visual acuity in infants. Chandna A. **Eye** 1991;5 (Pt 1):20-6 (33 ref.)
Developmental aspects of physiological function relating to aerobic exercise in children. Rowland TW. **Sports Med** 1990 Oct;10(4):255-66 (50 ref.)
[Secular trend of physical development and its significance for pediatric practice] Eiben OG. **Arztl Jugendkd** 1990; 81(5):361-7 (11 ref.) (Eng. Abstr.) **(Ger)**
[Human ontogenesis from a behavioral biological viewpoint] Tembrock G. **Arztl Jugendkd** 1990;81(5):424-9 (9 ref.) (Eng. Abstr.) **(Ger)**

CHILD DEVELOPMENT DEVIATIONS see **CHILD DEVELOPMENT DISORDERS**

CHILD DEVELOPMENT DISORDERS

CHEMICALLY INDUCED

The impact of marrow transplant preparative regimens on subsequent growth and development. The Seattle Marrow Transplant Team. Sanders JE. **Semin Hematol** 1991 Jul; 28(3):244-9 (30 ref.)

DIAGNOSIS

A comparative review of developmental screening tests [see comments] Glascoe FP, et al. **Pediatrics** 1990 Oct; 86(4):547-54 (18 ref.) Comment in: Pediatrics 1991 Jul;88(1):180-3.
[Periodic medical examination: update 1989. 3. Diagnostic examination of the problems of development and visual and hearing deficits in preschool age children. The Canadian Study Group on Periodic Medical Examination]

CHILD DEVELOPMENT DISORDERS

Union Med Can 1990 Sep-Oct;119(5):248-53 (25 ref.) (Fre)

ECONOMICS

Health care financing for severe developmental disabilities. Birenbaum A, et al. **Monogr Am Assoc Ment Retard** 1990; (14):1-150 (134 ref.)

PHYSIOPATHOLOGY

The role of nutrition in neurologic health and development of infants with chronic renal failure. Geary DF, et al. **Adv Perit Dial** 1990;6:252-4 (15 ref.)

PREVENTION & CONTROL

The pediatrician and early intervention for the developmentally disabled or handicapped child. Katcher AL, et al. **Pediatr Rev** 1991 Apr;12(10):305-12 (0 ref.)

[Preventive health care for children in Sweden] Kornfält R. **Arztl Jugendkd** 1990;81(4):294-8 (1 ref.) (Eng. Abstr.) (Ger)

PSYCHOLOGY

Children with Apert syndrome: developmental and psychologic considerations. Campis LB. **Clin Plast Surg** 1991 Apr;18(2):409-16 (23 ref.)

REHABILITATION

The school-to-community transition of hearing-impaired persons with developmental disabilities. A review of the empirical literature. Davis C, et al. **Am Ann Deaf** 1990 Dec; 135(5):352-63 (106 ref.)

[Promoting the development of handicapped children--possibilities and limits and responsibilities of the pediatrician] Schlack HG. **Monatsschr Kinderheilkd** 1991 Jan;139(1):55-7 (31 ref.) (Eng. Abstr.) (Ger)

THERAPY

[Treatment of developmental disorders--principles, methods and indication] Karch D. **Off Gesundheitswes** 1990 Aug-Sep;52(8-9):491-5 (12 ref.) (Eng. Abstr.) (Ger)

CHILD DEVELOPMENT DISORDERS, PERVASIVE

DIAGNOSIS

The continuum of linguistic dysfunction from pervasive developmental disorders to dyslexia. Beitchman JH, et al. **Psychiatr Clin North Am** 1991 Mar;14(1):95-111 (111 ref.)

Methods and measures of behavior in the diagnosis of autism and related disorders. Lord C. **Psychiatr Clin North Am** 1991 Mar;14(1):69-80 (48 ref.)

Toward DSM-IV: a developmental approach to autistic disorder. Siegel B. **Psychiatr Clin North Am** 1991 Mar; 14(1):53-68 (21 ref.)

Asperger's syndrome: diagnosis, treatment, and outcome. Szatmari P. **Psychiatr Clin North Am** 1991 Mar;14(1):81-93 (37 ref.)

DRUG THERAPY

Use of medication in pervasive developmental disorders. Sloman L. **Psychiatr Clin North Am** 1991 Mar;14(1):165-82 (72 ref.)

PSYCHOLOGY

Effects of developmental disorder on parents: theoretical and applied considerations. Konstantareas MM, et al. **Psychiatr Clin North Am** 1991 Mar;14(1):183-98 (60 ref.)

Cognitive-developmental systems theory in pervasive developmental disorders. Miller A. **Psychiatr Clin North Am** 1991 Mar;14(1):141-63 (53 ref.)

Social deviance in autism: a central integrative failure as a model for social nonengagement. Shapiro T, et al. **Psychiatr Clin North Am** 1991 Mar;14(1):19-32 (53 ref.)

CHILD DEVELOPMENT DISORDERS, SPECIFIC see **CHILD DEVELOPMENT DISORDERS**

CHILD, EXCEPTIONAL

see related
MAINSTREAMING (EDUCATION)

LEGISLATION & JURISPRUDENCE

Adoption and single parents: a review. Groze V. **Child Welfare** 1991 May-Jun;70(3):321-32 (31 ref.)

CHILD HEALTH SERVICES

Are minority children getting their fair share of dental services? Waldman HB. **ASDC J Dent Child** 1990 Sep-Oct; 57(5):380-4 (7 ref.)

Oral health education and promotion in maternal and child health: a position paper. Frazier PJ, et al. **J Public Health Dent** 1990;50(6 Spec No):390-5 (34 ref.)

Documentation and evaluation in oral health services. Mecklenburg R. **J Public Health Dent** 1990;50(6 Spec No):439-46 (25 ref.)

Maternal and child oral health issues: research. Weintraub JA. **J Public Health Dent** 1990;50(6 Spec No):447-55 (38 ref.)

Health supervision for the high-risk preschooler. Rivara FP, et al. **Pediatr Rev** 1990 Dec;12(6):181-6 (13 ref.)

[Socio-sanitary aspects and health of the preschool population] García Caballero C, et al. **An Esp Pediatr** 1990 Dec;33(6):555-62 (38 ref.) (Spa)

ECONOMICS

Resources for improving the oral health of maternal and child populations [published erratum appears in J Public Health Dent 1991 Spring;51(2):68] Johnson K, et al. **J Public Health Dent** 1990;50(6 Spec No):418-26 (23 ref.)

ORGANIZATION & ADMINISTRATION

Observation unit management of pediatric emergencies. Klein BL; et al. **Emerg Med Clin North Am** 1991 Aug;9(3):669-76 (14 ref.)

Triage in the emergency department. Wiebe RA, et al. **Emerg Med Clin North Am** 1991 Aug;9(3):491-505 (81 ref.)

Child health services in England and Wales: an overview. Goodwin S. **Pediatrics** 1990 Dec;86(6 Pt 2):1032-6 (16 ref.)

STANDARDS

Standards for maternal and child health care. Chang A. **J Public Health Dent** 1990;50(6 Spec No):427-31 (31 ref.)

Standards in maternal and child oral health. Wilson AA. **J Public Health Dent** 1990;50(6 Spec No):432-8 (26 ref.)

SUPPLY & DISTRIBUTION

Child care options for ill children. Landis SE, et al. **Pediatrics** 1991 Oct;88(4):705-18 (69 ref.)

TRENDS

Advances in pediatric emergency medical service systems. Foltin G, et al. **Emerg Med Clin North Am** 1991 Aug; 9(3):459-74 (63 ref.)

Child health care policy and delivery in France. Manciaux M, et al. **Pediatrics** 1990 Dec;86(6 Pt 2):1037-43 (22 ref.)

Trends in maternal and child health care: implications for research and issues for social work practice. Carlton TO, et al. **Soc Work Health Care** 1990;15(1):45-62 (37 ref.)

UTILIZATION

Health care financing for severe developmental disabilities. Birenbaum A, et al. **Monogr Am Assoc Ment Retard** 1990; (14):1-150 (134 ref.)

CHILD, HOSPITALIZED

PSYCHOLOGY

Psychological guidelines in the management of paediatric organ transplantation. Bradford R, et al. **Arch Dis Child** 1990 Sep;65(9):1000-3 (39 ref.)

CHILD MOLESTATION, SEXUAL see **CHILD ABUSE, SEXUAL**

CHILD NEGLECT see **CHILD ABUSE**

CHILD NUTRITION

The child of today and the Mediterranean diet. Fidanza AA, et al. **Beitr Infusionther** 1991;27:152-60 (5 ref.)

Child nutrition: objectives for the decade. Splett PL, et al. **J Am Diet Assoc** 1991 Jun;91(6):665-8 (17 ref.)

[Feeding of young children in the European Economic Community and perspective in 1993] Rey J. **Arch Fr Pediatr** 1991 May;48(5):363-7 (24 ref.) (Fre)

[The role of carbohydrates in child nutrition] Gapparov MM, et al. **Vopr Pitan** 1991 Mar-Apr;(2):15-22 (61 ref.) (Rus)

[The feeding of children in Latin America] O'Donnell AM. **Arch Latinoam Nutr** 1988 Sep;38(3):685-704 (83 ref.) (Eng. Abstr.) (Spa)

CHILD NUTRITION DISORDERS

COMPLICATIONS

Nutritional effects on response of children in developing countries to respiratory tract pathogens: implications for vaccine development. Keusch GT. **Rev Infect Dis** 1991 May-Jun;13 Suppl 6:S486-91 (54 ref.)

EPIDEMIOLOGY

Nutritional problems of Malaysian children and approaches taken to overcome them. Arokiasamy JT. **Asia Pac J Public Health** 1990;4(1):65-71 (16 ref.)

PREVENTION & CONTROL

Child nutrition: objectives for the decade. Splett PL, et al. **J Am Diet Assoc** 1991 Jun;91(6):665-8 (17 ref.)

CHILD OF IMPAIRED PARENTS

PSYCHOLOGY

Adoption studies in functional psychosis [editorial] Kringlen E. **Eur Arch Psychiatry Clin Neurosci** 1991;240(6):307-13 (34 ref.)

The relationship between child and adult psychopathology in children of alcoholics. Giglio JJ, et al. **Int J Addict** 1990 Mar;25(3):263-90 (74 ref.)

Annotation: children of alcoholics. von Knorring AL. **J Child Psychol Psychiatry** 1991 Mar;32(3):411-21 (60 ref.)

Women, alcohol and incest: an analytical review. Hurley DL. **J Stud Alcohol** 1991 May;52(3):253-68 (100 ref.)

Chemical dependency in women: a description of its effects and outcome on adequate parenting. Davis SK. **J Subst Abuse Treat** 1990;7(4):225-32 (31 ref.)

A critical analysis of the co-dependence construct. Haaken J. **Psychiatry** 1990 Nov;53(4):396-406 (34 ref.)

Alcohol challenge with sons of alcoholics: a critical review and analysis. Newlin DB, et al. **Psychol Bull** 1990 Nov; 108(3):383-402 (95 ref.)

Head-injured parents and their children. Psychosocial consequences of a traumatic syndrome. Urbach JR, et al. **Psychosomatics** 1991 Winter;32(1):24-33 (77 ref.)

CHILD PSYCHIATRY

Current prevention concepts in child and adolescent psychiatry. O'Brien JD. **Am J Psychother** 1991 Apr; 45(2):261-8 (13 ref.)

TRENDS

Child psychiatry in Hong Kong: an overview. Wong CK. **Aust N Z J Psychiatry** 1990 Sep;24(3):331-8 (28 ref.)

Child psychiatry in developing countries. Nikapota AD. **Br J Psychiatry** 1991 Jun;158:743-51 (70 ref.)

[Important child psychiatric areas of research--retrospect and prospects] Schmidt MH. **Prax Kinderpsychol Kinderpsychiatr** 1990 Nov-Dec; 39(9-10):330-7 (25 ref.) (Eng. Abstr.) (Ger)

CHILD PSYCHOLOGY

see related
CHILD DEVELOPMENT

Behavioral approaches to spatial orientation in infancy. Acredolo L. **Ann N Y Acad Sci** 1990;608:596-607; discussion 607-12 (17 ref.)

The "memory system" of prelinguistic infants. Rovee-Collier C. **Ann N Y Acad Sci** 1990;608:517-36; discussion 537-42 (84 ref.)

From visual acuity to hyperacuity: a 10-year update. Gwiazda J, et al. **Can J Psychol** 1989 Jun;43(2):109-20 (53 ref.)

Past, current, and future trends in infant face perception research. Nelson CA, et al. **Can J Psychol** 1989 Jun; 43(2):183-98 (80 ref.)

The infant's use of visual and haptic information in the perception and recognition of objects. Ruff HA. **Can J Psychol** 1989 Jun;43(2):302-19 (80 ref.)

Dynamic organization of intersensory function. Turkewitz G, et al. **Can J Psychol** 1989 Jun;43(2):286-301 (60 ref.)

Infant observation re-viewed. Covington C. **J Anal Psychol** 1991 Jan;36(1):63-76 (16 ref.)

Psychosocial aspects of disability in children. Carlson CE, et al. **Pediatrician** 1990;17(4):213-21 (32 ref.)

CONSPEC and CONLERN: a two-process theory of infant face recognition. Morton J, et al. **Psychol Rev** 1991 Apr; 98(2):164-81 (105 ref.)

[Physical activities in "sick" children, sports on prescription] de Mondenard JP. **Schweiz Z Sportmed** 1991 Mar; 39(1):21-31 (71 ref.) (Eng. Abstr.) (Fre)

[Obesity in childhood and adolescence--conditions that cause it, sequelae, treatment methods] Rabenschlag U. **Off Gesundheitswes** 1990 Aug-Sep;52(8-9):467-74 (56 ref.) (Eng. Abstr.) (Ger)

[Affective processes and the development of thinking] Mancia M. **Minerva Pediatr** 1991 Mar;43(3):161-7 (23 ref.) (Ita)

[Depression in children and youth--an invisible phenomenon] Lange J. **Nord Med** 1991;106(3):84-5 (14 ref.) (Nor)

CHILD REACTIVE DISORDERS

PSYCHOLOGY

Vulnerability and competence: a review of research on resilience in childhood. Luthar SS, et al. **Am J Orthopsychiatry** 1991 Jan;61(1):6-22 (105 ref.)

Annotation: recent life events and psychiatric disorder in school age children. Goodyer IM. **J Child Psychol Psychiatry** 1990 Sep;31(6):839-48 (41 ref.)

CHILD REARING

Temper tantrums. Leung AK, et al. **Am Fam Physician** 1991 Aug;44(2):559-63 (13 ref.)

The affective organization of parenting: adaptive and maladaptive processes. Dix T. **Psychol Bull** 1991 Jul; 110(1):3-25 (235 ref.)

PSYCHOLOGY

Childhood experiences and adult psychosocial functioning. Rutter M. **Ciba Found Symp** 1991;156:189–200; discussion 200–8 (14 ref.)

CHILD, UNWANTED

PSYCHOLOGY

The psychological sequelae of therapeutic abortion—denied and completed. Dagg PK. **Am J Psychiatry** 1991 May; 148(5):578–85 (80 ref.)

CHILD WELFARE

see related
FOSTER HOME CARE

Our children's health: prospects for the 1990's. Moodie DS. **Clin Pediatr (Phila)** 1991 Jun;30(6):357–62 (11 ref.)
Oral health policy issues for women and children. Allukian M Jr. **J Public Health Dent** 1990;50(6 Spec No):406–17 (31 ref.)
[Life style, environment and childhood diseases] Ballabriga A. **An Esp Pediatr** 1990 Nov;33 Suppl 42:1–19 (270 ref.) **(Spa)**

LEGISLATION & JURISPRUDENCE

Factors affecting the foster care placement decision: an analysis of national survey data. Lindsey D. **Am J Orthopsychiatry** 1991 Apr;61(2):272–81 (32 ref.)
Adoption and single parents: a review. Groze V. **Child Welfare** 1991 May–Jun;70(3):321–32 (31 ref.)
The Israeli legal system concerning minors—is the child's best interest served? Blank S. **Med Law** 1990;9(4):1062–8 (21 ref.)
Psychological and judicial parenthood. van Nijnatten CH. **Med Law** 1990;9(4):1070–6 (15 ref.)

TRENDS

Cross-cultural perspectives and research directions for the 21st century. Korbin JE. **Child Abuse Negl** 1991;15 Suppl 1:67–77 (100 ref.)

CHILDBIRTH see **LABOR**

CHILDBIRTH AT HOME see **HOME CHILDBIRTH**

CHILDREN OF IMPAIRED PARENTS see **CHILD OF IMPAIRED PARENTS**

CHIMERA

Mouse chimeras and genetic rescue of mosaic muscle. Peterson A, et al. **Adv Exp Med Biol** 1990;280:173–85 (36 ref.)
Antigen chimeras of poliovirus. Burke KL, et al. **Prog Med Virol** 1991;38:56–68 (24 ref.)

CHIMERIC TOXINS see **IMMUNOTOXINS**

CHIMPANSEE TROGLODYTES

Experimental hepatitis delta virus infection in the animal model. Ponzetto A, et al. **Prog Clin Biol Res** 1991; 364:147–57 (28 ref.)

ANATOMY & HISTOLOGY

Tooth crown heights, tooth wear, sexual dimorphism and jaw growth in hominoids. Dean MC, et al. **Z Morphol Anthropol** 1991;78(3):425–40 (27 ref.)

CHIMPANZEE see **CHIMPANSEE TROGLODYTES**

CHIMPANZEE CORYZA AGENT see **RESPIRATORY SYNCYTIAL VIRUSES**

CHIMPANZEE RETROVIRUSES see **SIMIAN RETROVIRUSES**

CHIN

ABNORMALITIES

A surgical system for the correction of bony chin deformity. McCarthy JG, et al. **Clin Plast Surg** 1991 Jan;18(1):139–52 (21 ref.)

INNERVATION

Neurilemmoma of the mental nerve. Artzi Z, et al. **J Oral Maxillofac Surg** 1991 Feb;49(2):196–200 (41 ref.)

SURGERY

A surgical system for the correction of bony chin deformity. McCarthy JG, et al. **Clin Plast Surg** 1991 Jan;18(1):139–52 (21 ref.)
Reconstruction of the lower lip and chin using local and random-pattern flaps. Wheeland RG. **J Dermatol Surg Oncol** 1991 Jul;17(7):605–15 (30 ref.)
[The importance of avoiding the use of rigid fixation in functional genioplasty] Precious DS, et al. **Rev Stomatol Chir Maxillofac** 1990;91(5):349–56 (22 ref.) (Eng. Abstr.) **(Fre)**

CHINESE AMERICANS see **ASIAN AMERICANS**

CHINESE HERBAL DRUGS see **DRUGS, CHINESE HERBAL**

CHINESE MEDICINE, TRADITIONAL see **MEDICINE, CHINESE TRADITIONAL**

CHIRONOMIDAE

Perspectives on management of pestiferous Chironomidae (Diptera), an emerging global problem. Ali A. **J Am Mosq Control Assoc** 1991 Jun;7(2):260–81 (230 ref.)

CHIRONOMUS see **CHIRONOMIDAE**

CHIROPODY see **PODIATRY**

CHIROPRACTIC

Chiropractic caveats. Granat P. **J Fla Med Assoc** 1990 Aug; 77(8):721–7 (63 ref.)
Chiropractic in the United States and the changing health care environment: a view from outside the profession. Caplan RL. **J Manipulative Physiol Ther** 1991 Jan; 14(1):46–50 (20 ref.)
Legitimacy at the expense of narrowing of scope of practice: chiropractic in Canada. Coburn D. **J Manipulative Physiol Ther** 1991 Jan;14(1):14–21 (10 ref.)
The treatment act: an analysis of the clinical art in chiropractic. Coulehan JL. **J Manipulative Physiol Ther** 1991 Jan;14(1):5–13 (60 ref.)
Sociological studies of the role of the chiropractor: an exercise in ideological hegemony? Coulter ID. **J Manipulative Physiol Ther** 1991 Jan;14(1):51–8 (34 ref.)
Chiropractic in British Columbia: sociopolitical and clinical considerations for strategic planning. Eni G. **J Manipulative Physiol Ther** 1991 Jan;14(1):29–37 (22 ref.)

EDUCATION

Counteracting nutritional misinformation: a curricular proposal. Jamison JR. **J Manipulative Physiol Ther** 1990 Oct;13(8):454–62 (91 ref.)

STANDARDS

The reliability of reliability. Haas M. **J Manipulative Physiol Ther** 1991 Mar–Apr;14(3):199–208 (62 ref.)

CHIROPTERA

Bats in the surgery: a practitioner's guide. Routh A. **Vet Rec** 1991 Apr 6;128(14):316–8 (15 ref.)

ANATOMY & HISTOLOGY

Morphological studies on brown adipose tissue in the bat and in humans of various ages. Ito T, et al. **Arch Histol Cytol** 1991 Mar;54(1):1–39 (72 ref.)

CHLAMYDIA

CLASSIFICATION

The chlamydial pneumonias. Grayston JT, et al. **Curr Clin Top Infect Dis** 1991;11:1–18 (94 ref.)
Chlamydial infections. Schachter J. **West J Med** 1990 Nov; 153(5):523–34 (100 ref.)

PHYSIOLOGY

Interaction of chlamydiae and host cells in vitro. Moulder JW. **Microbiol Rev** 1991 Mar;55(1):143–90 (541 ref.)

CHLAMYDIA INFECTIONS

Chlamydia trachomatis: female pelvic infection. Faro S. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 2):1767–70 (38 ref.)
Chlamydia trachomatis infection during pregnancy. McGregor JA, et al. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 2):1782–9 (63 ref.)
Infections with Chlamydia pneumoniae strain TWAR. Thom DH, et al. **Clin Chest Med** 1991 Jun;12(2):245–56 (44 ref.)
Pelvic inflammatory disease and other sexually transmitted diseases. Weström L. **Curr Opin Obstet Gynecol** 1989 Oct; 1(1):5–10 (25 ref.)
Chlamydial infections. Martin DH. **Med Clin North Am** 1990 Nov;74(6):1367–87 (110 ref.)
Chlamydia trachomatis pneumonitis: a case study and literature review. Griffin M, et al. **Pediatr Pathol** 1990; 10(5):843–52 (21 ref.)
Chlamydial infections. Schachter J. **West J Med** 1990 Nov; 153(5):523–34 (100 ref.)
[Chlamydial salpingitis—diagnosis and treatment] Piura B, et al. **Harefuah** 1990 Sep;119(5–6):151–5 (54 ref.) **(Heb)**
[Oculogenital infections caused by Chlamydia trachomatis] Paroli E, et al. **Recenti Prog Med** 1990 Jul–Aug; 81(7–8):539–48 (41 ref.) (Eng. Abstr.) **(Ita)**
[Chlamydial infections in man] Laskus T, et al. **Pol Arch Med Wewn** 1991 Apr;85(4):245–55 (129 ref.) **(Pol)**
[Chlamydial lesions of the eyes (review of the literature)] Mozherenkov VP, et al. **Vestn Oftalmol** 1990 Nov–Dec; 106(6):77–9 (32 ref.) **(Rus)**

COMPLICATIONS

Genital chlamydial infections: epidemiology and reproductive sequelae. Cates W Jr, et al. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 2):1771–81 (124 ref.)
Sexually transmitted diseases, pelvic inflammatory disease, and infertility: an epidemiologic update. Cates W Jr, et al. **Epidemiol Rev** 1990;12:199–220 (178 ref.)
[Tuberculous peritonitis. Description of 2 cases associated with another infection and literature review] Arend P, et al. **Acta Gastroenterol Belg** 1990 May–Jun;53(3):307–14 (18 ref.) (Eng. Abstr.) **(Fre)**
[Persistent virus and chlamydia infections in the development of pyelonephritis in children] Sokha LG. **Pediatriia** 1991; (4):97–100 (75 ref.) **(Rus)**

DIAGNOSIS

Laboratory techniques for the diagnosis of chlamydial infections. Taylor-Robinson D, et al. **Genitourin Med** 1991 Jun;67(3):256–66 (167 ref.)
Current problems in microbiology. 1. Chlamydial infections: which laboratory test? Ridgway GL, et al. **J Clin Pathol** 1991 Jan;44(1):1–5 (40 ref.)
[Use of microbiologic-serologic studies for Chlamydia and Mycoplasma in differential diagnosis of inflammatory rheumatic diseases] von Recklinghausen G. **Z Rheumatol** 1990 Nov–Dec;49(6):361–3 (31 ref.) (Eng. Abstr.) **(Ger)**
[Comparison of cytology and ELISA in the research on cervical Chlamydia infection] Calzolari E, et al. **Minerva Ginecol** 1991 May;43(5):227–31 (31 ref.) (Eng. Abstr.) **(Ita)**

DRUG THERAPY

New treatments for Chlamydia trachomatis. Jones RB. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 2):1789–93 (35 ref.)
Chlamydial infections and the quinolones. Ronald AR, et al. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):351–4 (23 ref.)
TWAR and changing respiratory infections. Ridgway G. **Practitioner** 1990 Aug;234(1493):790–2 (7 ref.)

EPIDEMIOLOGY

Epidemiological and clinical aspects on infections due to Chlamydia pneumoniae (strain TWAR). Persson K. **Scand J Infect Dis Suppl** 1990;69:63–7 (21 ref.)

IMMUNOLOGY

Chlamydial hsp60 and the immunopathogenesis of chlamydial disease. Morrison RP. **Semin Immunol** 1991 Jan;3(1):25–33 (68 ref.)

MICROBIOLOGY

The chlamydial pneumonias. Grayston JT, et al. **Curr Clin Top Infect Dis** 1991;11:1–18 (94 ref.)
[Chlamydia infections in gynecology (editorial)] Suchet JH. **Presse Med** 1991 Jan 5–12;20(1):10–2 (12 ref.) **(Fre)**
[Role of Chlamydia trachomatis in diseases of the urogenital system] Török L, et al. **Orv Hetil** 1991 May 5;132(18):963–6 (32 ref.) (Eng. Abstr.) **(Hun)**

THERAPY

Implications for persistent chlamydial infections of phagocyte-microorganism interplay. Sarov I, et al. **Eur J Clin Microbiol Infect Dis** 1991 Feb;10(2):119–23 (57 ref.)

CHLAMYDIA PSITTACI

CLASSIFICATION

The chlamydial pneumonias. Grayston JT, et al. **Curr Clin Top Infect Dis** 1991;11:1–18 (94 ref.)

IMMUNOLOGY

Immunity to Chlamydia psittaci with particular reference to sheep. McCafferty MC. **Vet Microbiol** 1990 Oct;25(1):87–99 (86 ref.)

ISOLATION & PURIFICATION

[A case report of psittacosis and chlamydial isolation from a dead pet bird] Hayashi Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Mar; 28(3):535–40 (32 ref.) (Eng. Abstr.) **(Jpn)**

CHLAMYDIA TRACHOMATIS

Genital chlamydial infections: epidemiology and reproductive sequelae. Cates W Jr, et al. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 2):1771–81 (124 ref.)
Chlamydia trachomatis: female pelvic infection. Faro S.

Am J Obstet Gynecol 1991 Jun;164(6 Pt 2):1767–70 (38 ref.)

New treatments for Chlamydia trachomatis. Jones RB. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 2):1789–93 (35 ref.)

Chlamydia trachomatis infection during pregnancy. McGregor JA, et al. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 2):1782–9 (63 ref.)

Pelvic inflammatory disease and other sexually transmitted diseases. Weström L. **Curr Opin Obstet Gynecol** 1989 Oct; 1(1):5–10 (25 ref.)

Chlamydial infections. Martin DH. **Med Clin North Am** 1990 Nov;74(6):1367–87 (110 ref.)

[Chlamydial salpingitis—diagnosis and treatment] Piura B, et al. **Harefuah** 1990 Sep;119(5–6):151–5 (54 ref.) **(Heb)**

[Oculogenital infections caused by Chlamydia trachomatis] Paroli E, et al. **Recenti Prog Med** 1990 Jul–Aug; 81(7–8):539–48 (41 ref.) (Eng. Abstr.) **(Ita)**

CLASSIFICATION

The chlamydial pneumonias. Grayston JT, et al. **Curr Clin Top Infect Dis** 1991;11:1–18 (94 ref.)

DRUG EFFECTS

Chlamydial infections and the quinolones. Ronald AR, et al. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):351–4 (23 ref.)

Implications for persistent chlamydial infections of phagocyte–microorganism interplay. Sarov I, et al. **Eur J Clin Microbiol Infect Dis** 1991 Feb;10(2):119–23 (57 ref.)

IMMUNOLOGY

Chlamydial hsp60 and the immunopathogenesis of chlamydial disease. Morrison RP. **Semin Immunol** 1991 Jan;3(1):25–33 (68 ref.)

ISOLATION & PURIFICATION

Laboratory techniques for the diagnosis of chlamydial infections. Taylor-Robinson D, et al. **Genitourin Med** 1991 Jun;67(3):256–66 (167 ref.)

[Chlamydia infections in gynecology (editorial)] Suchet JH. **Presse Med** 1991 Jan 5–12;20(1):10–2 (12 ref.) **(Fre)**

[Use of microbiologic-serologic studies for Chlamydia and Mycoplasma in differential diagnosis of inflammatory rheumatic diseases] von Recklinghausen G. **Z Rheumatol** 1990 Nov–Dec;49(6):361–3 (31 ref.) (Eng. Abstr.) **(Ger)**

[Role of Chlamydia trachomatis in diseases of the urogenital system] Török L, et al. **Orv Hetil** 1991 May 5;132(18):963–6 (32 ref.) (Eng. Abstr.) **(Hun)**

CHLAMYDOMONAS

CYTOLOGY

Control of the cell division cycle in Chlamydomonas. John PC. **Microbiol Sci** 1984 Jul;1(4):96–101 (43 ref.)

GENETICS

Organelle transformation: shoot first, ask questions later. Butow RA, et al. **Trends Biochem Sci** 1990 Dec; 15(12):465–8 (29 ref.)

METABOLISM

Regulatory phosphorylation of chloroplast antenna proteins. Knaff DB. **Trends Biochem Sci** 1991 Mar;16(3):82–3 (26 ref.)

CHLOASMA see **MELANOSIS**

CHLORAMBUCIL

THERAPEUTIC USE

Azathioprine, cyclophosphamide and chlorambucil. Luqmani RA, et al. **Baillieres Clin Rheumatol** 1990 Dec;4(3):595–619 (138 ref.)

Conventional therapy for idiopathic nephrotic syndrome in children. Brodehl J. **Clin Nephrol** 1991;35 Suppl 1:S8–15 (51 ref.)

Conventional treatment of idiopathic nephrotic syndrome and membranous nephropathy in adults. Ponticelli C, et al. **Clin Nephrol** 1991;35 Suppl 1:S16–21 (49 ref.)

CHLORAMINES

METABOLISM

Nucleotide chloramines and neutrophil-mediated cytotoxicity. Bernofsky C. **FASEB J** 1991 Mar 1; 5(3):295–300 (90 ref.)

CHLORAMIPHENE see **CLOMIPHENE**

CHLORAMPHENICOL

ADVERSE EFFECTS

Chloramphenicol toxicity: 25 years of research. Yunis AA. **Am J Med** 1989 Sep;87(3N):44N–48N (55 ref.)

Chloramphenicol 1. Hazards of use and the current regulatory environment. Page SW. **Aust Vet J** 1991 Jan; 68(1):1–2 (29 ref.)

PHARMACOKINETICS

Chloramphenicol 2. Clinical pharmacology in dogs and cats. Watson AD. **Aust Vet J** 1991 Jan;68(1):2–5 (40 ref.)

Malnutrition and drugs: clinical implications. Mehta S. **Dev Pharmacol Ther** 1990;15(3–4):159–65 (21 ref.)

THERAPEUTIC USE

Chloramphenicol 4. Responsible topical use in ophthalmology. Blogg JR. **Aust Vet J** 1991 Jan;68(1):8–9 (19 ref.)

Chloramphenicol 3. Clinical pharmacology of systemic use in the horse. Page SW. **Aust Vet J** 1991 Jan;68(1):5–8 (43 ref.)

Modern treatment of typhoid fever [editorial] Mandal BK. **J Infect** 1991 Jan;22(1):1–4 (31 ref.)

TOXICITY

Chloramphenicol. **IARC Monogr Eval Carcinog Risks Hum** 1990;50:169–93 (183 ref.)

CHLORAMPHENICOL ACETYLTRANSFERASE

METABOLISM

Chloramphenicol acetyltransferase. Shaw WV, et al. **Annu Rev Biophys Biophys Chem** 1991;20:363–86 (71 ref.)

CHLORDECONE see **KEPONE**

CHLORELLA

ISOLATION & PURIFICATION

[Protothecosis and chlorellosis, 2 infections induced by algae] Rurangirwa A, et al. **Rev Med Liege** 1990 Aug; 45(8):398–401 (18 ref.) **(Fre)**

CHLORETHIAZOLE see **CHLORMETHIAZOLE**

CHLORHEXIDINE

ADMINISTRATION & DOSAGE

Controlled drug release in periodontics: a review of new therapies. Needleman IG. **Br Dent J** 1991 Jun 8; 170(11):405–8 (43 ref.)

ADVERSE EFFECTS

Chlorhexidine mouthwash-induced fixed drug eruption. Case report and review of the literature. Moghadam BK, et al. **Oral Surg Oral Med Oral Pathol** 1991 Apr;71(4):431–4 (58 ref.)

THERAPEUTIC USE

Chlorhexidine as an oral hygiene adjunct for cyclosporine-induced gingival hyperplasia. Saravia ME, et al. **ASDC J Dent Child** 1990 Sep–Oct;57(5):366–70 (40 ref.)

CHLORIDES

METABOLISM

Chloride conductance pathways in heart. Hume JR, et al. **Am J Physiol** 1991 Sep;261(3 Pt 1):C399–412 (129 ref.)

The cystic fibrosis defect approached from different angles—new perspectives on the gene, the chloride channel, diagnosis and therapy. Halley DJ, et al. **Eur J Pediatr** 1990 Jul;149(10):670–7 (63 ref.)

Short and long-term regulation of chloride conductance across toad skin. Katz U. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):349–55 (21 ref.)

Cellular mechanisms of chloride transport in the cortical collecting duct. Dietl P, et al. **Kidney Int Suppl** 1991 Jul; 33:S125–30 (38 ref.)

Cellular mechanisms of Cl– transport in outer medullary collecting duct. Koeppen B, et al. **Kidney Int Suppl** 1991 Jul;33:S131–5 (26 ref.)

Transport mechanisms in kidney proximal tubule examined using chloride-sensitive fluorescent indicators. Verkman AS, et al. **Kidney Int Suppl** 1991 Jul;33:S103–8 (42 ref.)

Anticonvulsant steroids and the GABA/benzodiazepine receptor–chloride ionophore complex. Belelli D, et al. **Neurosci Biobehav Rev** 1990 Fall;14(3):315–22 (66 ref.)

Non-ligand-activated chloride channels of skeletal muscle and epithelia. Vaughan PC, et al. **Prog Biophys Mol Biol** 1989;54(1):59–79 (87 ref.)

[A flip-flop model of the chloride channel complex explains the dysregulation of the chloride flow in the plasmalemma of cells in cystic fibrosis] Thinnes FP, et al. **Klin Wochenschr** 1991 May 3;69(7):283–8 (38 ref.) (Eng. Abstr.) **(Ger)**

PHARMACOKINETICS

Steroid regulation of the GABAA receptor: ligand binding, chloride transport and behaviour. Majewska MD. **Ciba Found Symp** 1990;153:83–97; discussion 97–106 (37 ref.)

Factors governing sodium and chloride transport across the inner medullary collecting duct. Rocha AS, et al. **Kidney Int** 1990 Oct;38(4):654–67 (80 ref.)

Chloride transport by high-resistance heterocellular epithelia. Larsen EH. **Physiol Rev** 1991 Jan;71(1):235–83 (346 ref.)

PHARMACOLOGY

The chloride-stimulated K(+)-secretion by insect midgut and its modification in the presence of osmotic gradients: a short-circuit current and noise-analysis study. Zeiske W, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):399–404 (10 ref.)

CHLORIMIPRAMINE see **CLOMIPRAMINE**

CHLORINATED HYDROCARBONS see **HYDROCARBONS, CHLORINATED**

CHLORMETHIAZOLE

THERAPEUTIC USE

Chlormethiazole: current status in the treatment of the acute ethanol withdrawal syndrome. Majumdar SK. **Drug Alcohol Depend** 1991 May;27(3):201–7 (46 ref.)

[Indications for the use of chlormethiazole] Braunwarth WD. **Fortschr Med** 1990 Sep 10;108(26):504–6 (13 ref.) (Eng. Abstr.) **(Ger)**

2-CHLOROADENOSINE

ANALOGS & DERIVATIVES

New purine analogues for the treatment of chronic B-cell malignancies. Gribbin TE. **Henry Ford Hosp Med J** 1991; 39(2):98–102 (33 ref.)

CHLOROETHYLENE see **VINYL CHLORIDE**

CHLOROETHYLENE POLYMER see **POLYVINYL CHLORIDE**

CHLOROPHENOLS

ADVERSE EFFECTS

Phenoxyacetic acid herbicides and chlorophenols and the etiology of lymphoma and soft-tissue neoplasms. Kelly SJ, et al. **Public Health Rev** 1989–90;17(1):1–37 (89 ref.)

CHLOROPHENYL GABA see **BACLOFEN**

CHLOROPHOS see **TRICHLORFON**

CHLOROPHYLL

see related
PHOTOSYNTHESIS

The chlorophyll triplet state as a probe of structure and function in photosynthesis. Budil DE, et al. **Biochim Biophys Acta** 1991 Mar 1;1057(1):1–41 (444 ref.)

BIOSYNTHESIS

Transfer RNA and the formation of the heme and chlorophyll precursor, 5-aminolevulinic acid. O'Neill GP, et al. **Biofactors** 1990 Oct;2(4):227–35 (86 ref.)

METABOLISM

Chlorophyll a/b-binding proteins: an extended family. Green BR, et al. **Trends Biochem Sci** 1991 May;16(5):181–6 (36 ref.)

CHLOROPLAST COUPLING FACTOR see **H(+)-TRANSPORTING ATPASE**

CHLOROPLASTS

see related
PHOTOSYNTHESIS

CHEMISTRY

The plastid chaperonin. Hemmingsen SM. **Semin Cell Biol** 1990 Feb;1(1):47–54 (41 ref.)

ENZYMOLOGY

Ferredoxin-dependent chloroplast enzymes. Knaff DB, et al. **Biochim Biophys Acta** 1991 Jan 22;1056(2):93–125 (337 ref.)

Phylogenetic distribution of superoxide dismutase supports an endosymbiotic origin for chloroplasts and mitochondria. Grace SC. **Life Sci** 1990;47(21):1875–86 (114 ref.)

[ATP-synthase of bacteria, mitochondria, and chloroplasts. Properties of the F(0) membrane sector] Ivashchenko AT, et al. **Biokhimiia** 1991 Mar;56(3):406–19 (103 ref.) (Eng. Abstr.) **(Rus)**

METABOLISM

Regulation of nuclear genes encoding chloroplast proteins in transgenic plants. Fluhr R. **Dev Genet** 1990;11(3):197–204 (53 ref.)
Chloroplast and mitochondrial mechanisms for protection against oxygen toxicity. Salin ML. **Free Radic Res Commun** 1991;12–13 Pt 2:851–8 (28 ref.)
Current views on chloroplast protein import and hypotheses on the origin of the transport mechanism. Archer EK, et al. **J Bioenerg Biomembr** 1990 Dec;22(6):789–810 (89 ref.)
On the translocation of proteins across the chloroplast envelope. Flügge UI. **J Bioenerg Biomembr** 1990 Dec; 22(6):769–87 (73 ref.)
Mechanisms of maternal inheritance of chloroplast DNA: an active digestion hypothesis. Kuroiwa T. **Microbiol Sci** 1985 Sep;2(9):267–70 (25 ref.)
Regulatory phosphorylation of chloroplast antenna proteins. Knaff DB. **Trends Biochem Sci** 1991 Mar;16(3):82–3 (26 ref.)
[Molecular organization of photosystem I reaction center] Takabe T. **Tanpakushitsu Kakusan Koso** 1991 Jun; 36(8):1521–31 (44 ref.) **(Jpn)**

PHYSIOLOGY

The genetic code in mitochondria and chloroplasts. Jukes TH, et al. **Experientia** 1990 Dec 1;46(11–12):1117–26 (37 ref.)

ULTRASTRUCTURE

Organelle transformation: shoot first, ask questions later. Butow RA, et al. **Trends Biochem Sci** 1990 Dec; 15(12):465–8 (29 ref.)

CHLOROQUINE

ADMINISTRATION & DOSAGE

Therapeutics review: the use of parenteral drugs for falciparum malaria. Davidson RN, et al. **Cent Afr J Med** 1990 Oct;36(10):259–63 (20 ref.)

ADVERSE EFFECTS

[Chloroquine and hydroxychloroquine: side effect profile of important therapeutic drugs] Ochsendorf FR, et al. **Hautarzt** 1991 Mar;42(3):140–6 (72 ref.) (Eng. Abstr.) **(Ger)**

PHARMACOLOGY

Enhancement of the antimalarial effect of chloroquine on drug-resistant parasite strains—a critical examination of the reversal of multidrug resistance. Ginsburg H. **Exp Parasitol** 1991 Aug;73(2):227–32 (33 ref.)
Similarities and differences between the multidrug resistance phenotype of mammalian tumor cells and chloroquine resistance in Plasmodium falciparum. Karcz S, et al. **Exp Parasitol** 1991 Aug;73(2):233–40 (40 ref.)

THERAPEUTIC USE

Treatment of cutaneous sarcoidosis with chloroquine. Review of the literature. Zic JA, et al. **Arch Dermatol** 1991 Jul;127(7):1034–40 (53 ref.)
Drugs that reverse chloroquine resistance in malaria. Salomone S, et al. **Trends Pharmacol Sci** 1990 Dec; 11(12):475–6 (27 ref.)

CHLOROSIS see **ANEMIA, HYPOCHROMIC**

CHLORPROMAZINE

ANALYSIS

The determination of chlorpromazine, related impurities and degradation products in pharmaceutical dosage forms. Chagonda LF, et al. **J Pharm Biomed Anal** 1989;7(3):271–8 (44 ref.)

CHOANAL ATRESIA

Choanal atresia. Skolnik EM, et al. **Otolaryngol Clin North Am** 1973 Oct;6(3):783–9 (11 ref.)

CHOICE BEHAVIOR

PHYSIOLOGY

Toward a model to explain infant preferences by cerebral emotional asymmetry and hemisphere priming. Drake RA, et al. **Int J Neurosci** 1990 Jan;50(1–2):29–35 (66 ref.)

CHOKED DISK see **PAPILLEDEMA**

CHOKING see **AIRWAY OBSTRUCTION**

CHOLANGIOGRAPHY

Biliary endoprostheses. Plastic versus metal stents. Lammer J. **Radiol Clin North Am** 1990 Nov;28(6):1211–22 (31 ref.)
Percutaneous balloon dilatation of benign biliary strictures. Morrison MC, et al. **Radiol Clin North Am** 1990 Nov; 28(6):1191–201 (20 ref.)
Intracorporeal biliary lithotripsy. Picus D. **Radiol Clin North Am** 1990 Nov;28(6):1241–9 (41 ref.)

CHOLANGIOMA

Cholangiocarcinoma. Yeo CJ, et al. **Surg Clin North Am** 1990 Dec;70(6):1429–47 (84 ref.)

COMPLICATIONS

Cholangiocarcinoma complicating primary sclerosing cholangitis. Rosen CB, et al. **Semin Liver Dis** 1991 Feb; 11(1):26–30 (30 ref.)
[Congenital dilatation of the biliary tract accompanied with an early cholangiocarcinoma in the aged] Okayama N, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jan;88(1):105–10 (12 ref.) **(Jpn)**

DIAGNOSIS

Identification and localisation of resectable tumours in the liver. Okuda K. **Trop Gastroenterol** 1990 Jul–Sep; 11(3):119–29 (32 ref.)
[A case of minute cholangiocellular carcinoma which was found in the follow-up periods of liver cirrhosis and was indistinguishable from hepatocellular carcinoma on hepatic angiography] Nagaoka T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jun;88(6):1369–74 (14 ref.) **(Jpn)**

EPIDEMIOLOGY

Case report: cystic duct carcinoma. Galler L, et al. **N J Med** 1991 May;88(5):337–9 (25 ref.)

ETIOLOGY

[Primary sclerosing cholangitis] Guyader D, et al. **Gastroenterol Clin Biol** 1990;14(11):850–60 (89 ref.) **(Fre)**

RADIOGRAPHY

[Is endoscopic retrograde cholangiopancreatography useful in the diagnosis of cholangiocarcinoma?] Moreira VF, et al. **Rev Clin Esp** 1990 May;186(9):430–5 (53 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

[Hilar cholangiocarcinoma] Aloj G, et al. **G Chir** 1990 Jan–Feb;11(1–2):5–14 (96 ref.) **(Ita)**

CHOLANGIOPANCREATOGRAPHY, ENDOSCOPIC RETROGRADE

Endoscopic management of pancreatic disease. Geenen JE, et al. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):155–82 (98 ref.)
The place of endoscopy in the management of gallstones. Winslet MC, et al. **Baillieres Clin Gastroenterol** 1991 Mar; 5(1):99–129 (221 ref.)
Acute gallstone pancreatitis and endoscopic therapy. Carr-Locke DL. **Endoscopy** 1990 Jul;22(4):180–3 (47 ref.)
Endoscopic management of pancreatic disorders: potential risks of pancreatic prostheses. Siegel J, et al. **Endoscopy** 1991 May;23(3):177–80 (15 ref.)
Endoscopic management of pancreatic disorders. Irani SK. **Gastroenterol Clin North Am** 1990 Dec;19(4):975–97 (111 ref.)
A study of 122 cases of pancreatic cancer diagnosed by endoscopic retrograde cholangiopancreatography (ERCP). Moon YM, et al. **Korean J Intern Med** 1986 Jul;1(2):131–9 (46 ref.)
Frontiers of biliary endoscopy. Cotton PB. **Scand J Gastroenterol Suppl** 1990;175:58–62 (28 ref.)
[Papillotomy in acute pancreatitis—never—selective—or always? Early ERCP and EST (endoscopic sphincterotomy)] Kautz G. **Z Gastroenterol Verh** 1991 Mar; 26:72–6 (30 ref.) **(Ger)**
[Is endoscopic retrograde cholangiopancreatography useful in the diagnosis of cholangiocarcinoma?] Moreira VF, et al. **Rev Clin Esp** 1990 May;186(9):430–5 (53 ref.) (Eng. Abstr.) **(Spa)**
[Endoscopic pancreatography] Morán MA, et al. **Rev Gastroenterol Mex** 1990 Jul–Sep;55(3):159–64 (13 ref.) (Eng. Abstr.) **(Spa)**
[Selective cannulation of Vater's ampulla] Ornelas Vázquez R. **Rev Gastroenterol Mex** 1990 Jul–Sep;55(3):153–8 (50 ref.) (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

ERCP- and endoscopic sphincterotomy-induced pancreatitis. Sherman S, et al. **Pancreas** 1991 May; 6(3):350–67 (181 ref.)

METHODS

The role of fibre optics in gastroenterology. Hope AH, et al. **Aust Fam Physician** 1990 Nov;19(11):1699–701, 1704–6, 1709, passim (15 ref.)

CHOLANGITIS

Oriental cholangiohepatitis: pathologic, clinical, and radiologic features. Lim JH. **AJR Am J Roentgenol** 1991 Jul;157(1):1–8 (46 ref.)
Acute cholangitis. Lipsett PA, et al. **Surg Clin North Am** 1990 Dec;70(6):1297–312 (55 ref.)

COMPLICATIONS

Spontaneous rupture of liver due to cholangitis. Eyres KS, et al. **Br J Clin Pract** 1990 Dec;44(12):740–2 (10 ref.)

CHOLANGITIS, CHRONIC NONSUPPURATIVE DESTRUCTIVE see **LIVER CIRRHOSIS, BILIARY**

CHOLANGITIS, SCLEROSING

Small-duct primary sclerosing cholangitis. Ludwig J. **Semin Liver Dis** 1991 Feb;11(1):11–7 (40 ref.)
Primary sclerosing cholangitis. Lillemoe KD, et al. **Surg Clin North Am** 1990 Dec;70(6):1381–402 (97 ref.)
[Primary sclerosing cholangitis] Rasmussen HH, et al. **Ugeskr Laeger** 1991 May 20;153(21):1487–91 (30 ref.) (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Relationship of inflammatory bowel disease and primary sclerosing cholangitis. Fausa O, et al. **Semin Liver Dis** 1991 Feb;11(1):31–9 (49 ref.)
Cholangiocarcinoma complicating primary sclerosing cholangitis. Rosen CB, et al. **Semin Liver Dis** 1991 Feb; 11(1):26–30 (30 ref.)
[Primary sclerosing cholangitis] Guyader D, et al. **Gastroenterol Clin Biol** 1990;14(11):850–60 (89 ref.) **(Fre)**

DIAGNOSIS

[Primary sclerosing cholangitis] Lembcke B. **Z Gastroenterol Verh** 1991 Mar;26:88–92 (46 ref.) **(Ger)**
[Primary sclerosing cholangitis mimicking bile duct carcinoma at porta hepatis. A case report and review of Japanese literature with special reference to the feature of associated jaundice] Kaneda K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Jul;87(7):1568–72 (17 ref.) **(Jpn)**

DRUG THERAPY

Medical approaches to primary sclerosing cholangitis. Kaplan MM. **Semin Liver Dis** 1991 Feb;11(1):56–63 (45 ref.)

ETIOLOGY

Pathogenesis of sclerosing cholangitis: the role of nonimmune factors. Sherlock S. **Semin Liver Dis** 1991 Feb;11(1):5–10 (35 ref.)

IMMUNOLOGY

Role of immune factors in the pathogenesis of primary sclerosing cholangitis. Chapman RW. **Semin Liver Dis** 1991 Feb;11(1):1–4 (39 ref.)

MICROBIOLOGY

[Alithiasic cholecystitis and sclerosing cholangitis caused by Cryptosporidium and cytomegalovirus in a patient with HIV infection] Muñoz J, et al. **Enferm Infecc Microbiol Clin** 1989 Dec;7(10):547–50 (18 ref.) (Eng. Abstr.) **(Spa)**

MORTALITY

Primary sclerosing cholangitis: a progressive disease? Porayko MK, et al. **Semin Liver Dis** 1991 Feb;11(1):18–25 (61 ref.)
[The prognosis of segmental type of primary sclerosing cholangitis—a prognostic study of the cases] Beppu M, et al. **Nippon Geka Gakkai Zasshi** 1991 Jul;92(7):893–6 (10 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Surgical approaches to primary sclerosing cholangitis. Lillemoe KD, et al. **Semin Liver Dis** 1991 Feb;11(1):49–55 (22 ref.)
[The treatment of primary sclerosing cholangitis] Ponomarev AA. **Klin Khir** 1990;(9):48–50 (33 ref.) **(Rus)**

THERAPY

Endoscopic and radiologic approaches to therapy in primary sclerosing cholangitis. Cotton PB, et al. **Semin Liver Dis** 1991 Feb;11(1):40–8 (29 ref.)
[Therapy of cholestatic liver diseases with ursodeoxycholic acid: a new treatment principle] Stiehl A. **Z Gastroenterol Verh** 1991 Mar;26:142–3 (19 ref.) **(Ger)**

CHOLECALCIFEROLS

BLOOD

Blood levels of vitamin D metabolites in gonarthrosis. Tauber C, et al. **Arch Orthop Trauma Surg** 1991;110(2):109–11 (17 ref.)

METABOLISM

The renal mitochondrial hydroxylases of the vitamin D3 endocrine complex: how are they regulated at the molecular level? Ghazarian JG. **J Bone Miner Res** 1990 Sep;5(9):897–903 (51 ref.)

CHOLECALCIFEROLS

PHYSIOLOGY

Vitamin D3 receptors: structure and function in transcription. Pike JW. **Annu Rev Nutr** 1991;11:189–216 (156 ref.)

CHOLECYSTECTOMY

Laparoscopic cholecystectomy: evolution, early results, and impact on nonsurgical gallstone therapies [see comments] Brandon JC, et al. **AJR Am J Roentgenol** 1991 Aug; 157(2):235–9 (32 ref.) Comment in: AJR Am J Roentgenol 1991 Aug;157(2):241–2.

Surgical therapy for gallstone disease. Wetter LA, et al. **Gastroenterol Clin North Am** 1991 Mar;20(1):157–69 (77 ref.)

The need of drainage after cholecystectomy. Diez JA, et al. **HPB Surg** 1990;3(1):5–9; discussion 9–10 (23 ref.)

Current options for the management of gallstones. Desmond PV. **Med J Aust** 1991 Mar 18;154(6):400–1, 404–6 (22 ref.)

Interventional radiologic alternatives to cholecystectomy. Malone DE. **Radiol Clin North Am** 1990 Nov;28(6):1145–56 (62 ref.)

Role of surgery in the management of gallstones. Mack E. **Semin Liver Dis** 1990 Aug;10(3):222–31 (101 ref.)

Laparoscopic cholecystectomy: a promising new "branch" in the algorithm of gallstone management [editorial] Soper NJ. **Surgery** 1991 Mar;109(3 Pt 1):342–4 (23 ref.)

ADVERSE EFFECTS

Postoperative bile duct strictures. Lillemoe KD, et al. **Surg Clin North Am** 1990 Dec;70(6):1355–80 (45 ref.)

Reoperation for biliary strictures. Roslyn JJ, et al. **Surg Clin North Am** 1991 Feb;71(1):109–16 (31 ref.)

[Errors in establishing the indicators for cholecystectomy as a cause of development of post-cholecystectomy syndrome] Bobrov OE. **Klin Khir** 1991;(4):64–9 (129 ref.) **(Rus)**

METHODS

Laparoscopic cholecystectomy. Brooks DC, et al. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):225–38 (15 ref.)

Laparoscopic cholecystectomy and the common bile duct. McEntee G, et al. **Br J Surg** 1991 Apr;78(4):385–6 (12 ref.)

Laparoscopic cholecystectomy. Soper NJ. **Curr Probl Surg** 1991 Sep;28(9):581–655 (82 ref.)

Minimal access surgery: the birth of a new era. Cuschieri A. **J R Coll Surg Edinb** 1990 Dec;35(6):345–7 (19 ref.)

Laparoscopic cholecystectomy: a time for reflection. Adams DB, et al. **J S C Med Assoc** 1990 Dec;86(12):613–6 (16 ref.)

Percutaneous endoscopic treatment of cholelithiasis. Griffith DP, et al. **Surg Endosc** 1990;4(3):141–8; discussion 149 (78 ref.)

[Change in the assessment of trauma in surgery and internal medicine with the treatment of gallstones as an example] Kümmerle F, et al. **Dtsch Med Wochenschr** 1990 Dec 21; 115(51–52):1971–4 (26 ref.) **(Ger)**

[Laparoscopic cholecystectomy] Trede M, et al. **Dtsch Med Wochenschr** 1991 Feb 8;116(6):219–22 (9 ref.) **(Ger)**

[What does surgery in cholelithiasis accomplish today?] Tondelli P, et al. **Schweiz Med Wochenschr** 1991 May 18; 121(20):732–40 (43 ref.) (Eng. Abstr.) **(Ger)**

[Current surgical and non-surgical possibilities in the treatment of gallbladder stones] Largiadèr F. **Schweiz Rundsch Med Prax** 1991 Mar 26;80(13):318–21 (14 ref.) (Eng. Abstr.) **(Ger)**

CHOLECYSTITIS

COMPLICATIONS

Gallstone pancreatitis. Choosing and timing treatment. Valente JF, et al. **Postgrad Med** 1991 Feb 1;89(2):123–4, 126–8, 130 (18 ref.)

Acalculous cholecystitis in the acquired immunodeficiency syndrome. Hinnant K, et al. **Prog AIDS Pathol** 1990; 2:151–62 (24 ref.)

Gallstones, cholecystitis and diabetes [published erratum appears in Surg Gynecol Obstet 1991 Jul;173(1):72] Ikard RW. **Surg Gynecol Obstet** 1990 Dec;171(6):528–32 (60 ref.)

DIAGNOSIS

Gallbladder imaging. The state of the art. Zeman RK, et al. **Gastroenterol Clin North Am** 1991 Mar;20(1):127–56 (49 ref.)

[Tuberculosis of the biliary system: presentation of a case and review of the literature] Arlandis Félix FJ, et al. **Rev Esp Enferm Dig** 1990 Jul;78(1):43–5 (4 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

[The significance of disorders of neurohumoral regulation in the pathogenesis of acute cholecystitis] Sorokin AS, et al. **Klin Khir** 1990;(9):43–7 (78 ref.) **(Rus)**

MICROBIOLOGY

[Alithiasic cholecystitis and sclerosing cholangitis caused by Cryptosporidium and cytomegalovirus in a patient with HIV infection] Muñoz J, et al. **Enferm Infecc Microbiol Clin** 1989 Dec;7(10):547–50 (18 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Management of acute calculous cholecystitis. Nel CJ, et al. **Surg Annu** 1991;23 Pt 1:115–35 (63 ref.)

THERAPY

Cholecystitis without gallstones. Kang JY, et al. **HPB Surg** 1990 Apr;2(2):83–103 (192 ref.)

CHOLECYSTOGRAPHY

Interventional radiology of the biliary tract. Transcholecystic intervention. Fache JS. **Radiol Clin North Am** 1990 Nov; 28(6):1157–69 (84 ref.)

Interventional gallbladder procedures. van Sonnenberg E, et al. **Radiol Clin North Am** 1990 Nov;28(6):1185–90 (23 ref.)

METHODS

Oral cholecystography in contemporary gallstone imaging: a review. Maglinte DD, et al. **Radiology** 1991 Jan; 178(1):49–58 (81 ref.)

CHOLECYSTOKININ

ANALOGS & DERIVATIVES

[Structure-activity relationship of cystokinins: analogs exhibiting selective activity] Martinez J, et al. **J Pharm Belg** 1991 Jan–Feb;46(1):9–16 (41 ref.) (Eng. Abstr.) **(Fre)**

ANALYSIS

Distribution patterns of CCK and CCK mRNA in some neuronal and non-neuronal tissues. Hökfelt T, et al. **Neuropeptides** 1991 Jul;19 Suppl:31–43 (83 ref.)

ANTAGONISTS & INHIBITORS

Cholecystokinin antagonists. Woodruff GN, et al. **Annu Rev Pharmacol Toxicol** 1991;31:469–501 (207 ref.)

Perspectives of CCK antagonists in pancreatic research and clinical use. Part I. Rovati LC. **Int J Pancreatol** 1991 Apr; 8(3):215–26 (95 ref.)

BLOOD

Relationship between the concentration of cholecystokinin-like immunoreactivity in plasma and food intake in male rats. Lindén A, et al. **Physiol Behav** 1990 Dec;48(6):859–63 (45 ref.)

DIAGNOSTIC USE

Augmented cholescintigraphy: its role in detecting acute and chronic disorders of the hepatobiliary tree. Fink-Bennett D. **Semin Nucl Med** 1991 Apr;21(2):128–39 (58 ref.)

PHARMACOLOGY

Cholecystokinin and gastrointestinal cancer. Lamers CB, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1069–72 (25 ref.)

PHYSIOLOGY

Direct vs. indirect effects of bombesin on pancreatic growth. Liehr RM, et al. **Digestion** 1990;46 Suppl 2:202–7 (24 ref.)

Neurochemical actions of CCK underlying the therapeutic potential of CCK-B antagonists. Hughes J, et al. **Neuropeptides** 1991 Jul;19 Suppl:85–9 (34 ref.)

Multiple cholecystokinin (CCK) receptors and CCK-monoamine interactions are instrumental in the control of feeding. Cooper SJ, et al. **Physiol Behav** 1990 Dec;48(6):849–57 (78 ref.)

Role of CCK in regulation of food intake. Silver AJ, et al. **Prog Neurobiol** 1991;36(1):23–34 (155 ref.)

Cholecystokinin-dopamine interactions. Crawley JN. **Trends Pharmacol Sci** 1991 Jun;12(6):232–6 (43 ref.)

Trophic effects of gastrin and cholecystokinin. Håkanson R, et al. **Z Gastroenterol Verh** 1991 Mar;26:265–9 (74 ref.)

SECRETION

Role of bile acids in the control of pancreatic secretion and CCK release. Koop I. **Eur J Clin Invest** 1990 Oct;20 Suppl 1:S51–7 (55 ref.)

CHOLECYSTOKININ OCTAPEPTIDE see **SINCALIDE**

CHOLECYSTOKININ OCTAPEPTIDE RECEPTORS see **RECEPTORS, CHOLECYSTOKININ**

CHOLECYSTOKININ-PANCREOZYMIN RECEPTORS see **RECEPTORS, CHOLECYSTOKININ**

CHOLECYSTOKININ RECEPTORS see **RECEPTORS, CHOLECYSTOKININ**

CHOLEDOCHAL CYST

Choledochal cyst: anomalous arrangement of the pancreaticobiliary ductal system and biliary malignancy. Komi N, et al. **J Gastroenterol Hepatol** 1989 Jan–Feb; 4(1):63–74 (102 ref.)

[Choledochal cysts type III] Jin J, et al. **Chung Hua I Hsueh Tsa Chih** 1990 Sep;70(9):537–9 (16 ref.) **(Chi)**

SURGERY

Type IVa choledochal cysts: surgical management and literature review. Thambi Dorai CR, et al. **Aust N Z J Surg** 1991 Jul;61(7):505–10 (21 ref.)

Choledochal cysts: their management revisited. Stephenson BM, et al. **Br J Clin Pract** 1990 Nov;44(11):477–81 (39 ref.)

[Cystic dilatation of the choledochus: etiopathogenesis and surgical considerations with a case report] Costantini R, et al. **G Chir** 1988 May;9(5):297–302 (22 ref.) (Eng. Abstr.) **(Ita)**

ULTRASONOGRAPHY

[A case of choledochal cyst simulating kyphoscoliosis] Rákóczy G, et al. **Orv Hetil** 1991 Mar 3;132(9):479–81 (31 ref.) (Eng. Abstr.) **(Hun)**

CHOLEDOCHODUODENOSTOMY see **CHOLEDOCHOSTOMY**

CHOLEDOCHOJEJUNOSTOMY see **CHOLEDOCHOSTOMY**

CHOLEDOCHOLITHIASIS see **COMMON BILE DUCT CALCULI**

CHOLEDOCHOSTOMY

Choledochoduodenostomy. Analysis of 71 cases followed for 5 to 15 years. Escudero-Fabre A, et al. **Ann Surg** 1991 Jun;213(6):635–42; discussion 643–4 (48 ref.)

METHODS

Operative choledochoscopy: common bile duct exploration is incomplete without it. Motson RW, et al. **Br J Surg** 1990 Sep;77(9):975–82 (83 ref.)

CHOLEDOCHUS see **COMMON BILE DUCT**

CHOLELITHIASIS

Oriental cholangiohepatitis: pathologic, clinical, and radiologic features. Lim JH. **AJR Am J Roentgenol** 1991 Jul;157(1):1–8 (46 ref.)

Physical-chemical basis of gallstone formation. Donovan JM, et al. **Gastroenterol Clin North Am** 1991 Mar;20(1):47–66 (77 ref.)

Cholecystitis without gallstones. Kang JY, et al. **HPB Surg** 1990 Apr;2(2):83–103 (192 ref.)

CHEMISTRY

Metabolic basis of cholesterol gallstone disease. Cooper AD. **Gastroenterol Clin North Am** 1991 Mar;20(1):21–46 (98 ref.)

Physical-chemical basis of gallstone formation. Donovan JM, et al. **Gastroenterol Clin North Am** 1991 Mar;20(1):47–66 (77 ref.)

Nucleation and growth of cholesterol crystals. Kinetic determinants in supersaturated native bile. Holzbach RT, et al. **Gastroenterol Clin North Am** 1991 Mar;20(1):67–84 (73 ref.)

Pigment gallstone disease. Trotman BW. **Gastroenterol Clin North Am** 1991 Mar;20(1):111–26 (108 ref.)

Pathogenesis of cholesterol gallstones. Strasberg SM, et al. **HPB Surg** 1991 Feb;3(2):79–102 (129 ref.)

Pigment gallstone pathogenesis: from man to molecules. Crowther RS, et al. **Semin Liver Dis** 1990 Aug;10(3):171–80 (100 ref.)

Pathophysiology and pathogenesis of cholesterol gallstone formation. Hay DW, et al. **Semin Liver Dis** 1990 Aug; 10(3):159–70 (103 ref.)

Stone analysis. Asper R. **Urol Res** 1990;18 Suppl 1:S9–12 (11 ref.)

[Pathophysiological and clinical aspects of pigment gallstones] Andree H. **Z Arztl Fortbild (Jena)** 1991 Mar 25;85(6):235–40 (41 ref.) **(Ger)**

COMPLICATIONS

Juxtapapillary duodenal diverticula: association with biliary stone disease. De Koster E, et al. **Acta Gastroenterol Belg** 1990 May–Jun;53(3):338–43 (30 ref.)

Philosophers and stones in acute pancreatitis. Neoptolemos JP, et al. **Dig Dis** 1990;8(6):354–60 (60 ref.)

Acute gallstone pancreatitis and endoscopic therapy. Carr-Locke DL. **Endoscopy** 1990 Jul;22(4):180–3 (47 ref.)

The Bouveret syndrome: an unusual cause of hematemesis. Salah-Eldin AA, et al. **Henry Ford Hosp Med J** 1990; 38(1):52–4 (20 ref.)

Biliary acute pancreatitis. Winslet MC, et al. **Hepatogastroenterology** 1991 Apr;38(2):120–3 (67 ref.)

Gallbladder disease and coronary artery disease: is there a link? Dickerman JL. **J Am Osteopath Assoc** 1991 Apr; 91(4):359–61 (10 ref.)

Management of acute calculous cholecystitis. Nel CJ, et al. **Surg Annu** 1991;23 Pt 1:115–35 (63 ref.)
Gallstone pancreatitis. Patti MG, et al. **Surg Clin North Am** 1990 Dec;70(6):1277–95 (108 ref.)
Gallstones, cholecystitis and diabetes [published erratum appears in Surg Gynecol Obstet 1991 Jul;173(1):72] Ikard RW. **Surg Gynecol Obstet** 1990 Dec;171(6):528–32 (60 ref.)
Intrahepatic cholestasis with gallstones in two siblings: a new hepatobiliary syndrome in association with anomalous arrangement of pancreaticobiliary ducts. Takehara H, et al. **Tokushima J Exp Med** 1990 Dec;37(3–4):121–9 (40 ref.)
[Bouveret syndrome diagnosed by endoscopy] Csermely L, et al. **Orv Hetil** 1990 Dec 9;131(49):2715–7 (19 ref.) (Eng. Abstr.) **(Hun)**

DIAGNOSIS

Gallbladder imaging. The state of the art. Zeman RK, et al. **Gastroenterol Clin North Am** 1991 Mar;20(1):127–56 (49 ref.)
Cholelithiasis: diagnosis and current therapeutic options. Dudley SL, et al. **Nurse Pract** 1991 Mar;16(3):12–8, 23–4 (24 ref.)

DRUG THERAPY

Gallstone dissolution. Talamini MA, et al. **Surg Clin North Am** 1990 Dec;70(6):1217–30 (58 ref.)

EPIDEMIOLOGY

Gallstones. An epidemiological investigation. Jørgensen T. **Dan Med Bull** 1990 Aug;37(4):336–46 (96 ref.)
Epidemiology and natural history of gallstone disease. Diehl AK. **Gastroenterol Clin North Am** 1991 Mar;20(1):1–19 (117 ref.)
Epidemiology and natural history of gallstone disease. Sama C, et al. **Semin Liver Dis** 1990 Aug;10(3):149–58 (95 ref.)
Intrahepatic biliary lithiasis. Noda A. **Trop Gastroenterol** 1991 Jan–Mar;12(1):3–14 (40 ref.)
[Biliary calculi in adults in Cameroon. Epidemio-clinical and morphological aspects (apropos of 52 cases seen in Yaounde)] Ndjitoyap Ndam EC, et al. **Med Trop (Mars)** 1990 Oct–Dec;50(4):403–6 (18 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Current concepts of cholesterol transport and crystal formation in human bile. Holzbach RT. **Hepatology** 1990 Sep;12(3 Pt 2):26S–31S; discussion 31S–32S (35 ref.)
Biliary calcium and gallstone formation. Moore EW. **Hepatology** 1990 Sep;12(3 Pt 2):206S–214S; discussion 214S–218S (77 ref.)
Unconjugated bilirubin and cholesterol gallstone formation. Ostrow JD. **Hepatology** 1990 Sep;12(3 Pt 2):219S–224S; discussion 224S–226S (51 ref.)
Biliary cholesterol transport and precipitation: introduction and overview of conference. Strasberg SM, et al. **Hepatology** 1990 Sep;12(3 Pt 2):1S–5S (38 ref.)
Pathogenesis of cholesterol gallstones. Strasberg SM, et al. **HPB Surg** 1991 Feb;3(2):79–102 (129 ref.)
New concepts on the formation and dissolution of cholesterol gallstones. Lahana DA, et al. **Rev Invest Clin** 1976 Jul–Sep; 28(3):225–33 (34 ref.)
Pathogenesis of gallstones. Saunders KD, et al. **Surg Clin North Am** 1990 Dec;70(6):1197–216 (105 ref.)
Current development in the pathogenesis of gallstones. Tandon RK. **Trop Gastroenterol** 1990 Jul–Sep;11(3):130–9 (105 ref.)
[Primary sclerosing cholangitis] Guyader D, et al. **Gastroenterol Clin Biol** 1990;14(11):850–60 (89 ref.) **(Fre)**
[Current concepts of the pathogenesis of cholelithiasis] Tadzhiev IIa. **Klin Med (Mosk)** 1991 Apr;69(4):110–3 (62 ref.) **(Rus)**

PHYSIOPATHOLOGY

Advances in the comprehension of the pathophysiology of bile secretion. Loria P, et al. **Dig Dis** 1991;9(3):142–55 (70 ref.)
Gallbladder function in gallstone disease. Everson GT. **Gastroenterol Clin North Am** 1991 Mar;20(1):85–110 (81 ref.)

RADIOGRAPHY

Oral cholecystography in contemporary gallstone imaging: a review. Maglinte DD, et al. **Radiology** 1991 Jan; 178(1):49–58 (81 ref.)

SURGERY

Laparoscopic cholecystectomy. Brooks DC, et al. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):225–38 (15 ref.)
Surgical therapy for gallstone disease. Wetter LA, et al. **Gastroenterol Clin North Am** 1991 Mar;20(1):157–69 (77 ref.)
Role of surgery in the management of gallstones. Mack E. **Semin Liver Dis** 1990 Aug;10(3):222–31 (101 ref.)
Percutaneous endoscopic treatment of cholelithiasis. Griffith DP, et al. **Surg Endosc** 1990;4(3):141–8; discussion 149 (78 ref.)
Laparoscopic cholecystectomy: a promising new "branch" in the algorithm of gallstone management [editorial] Soper NJ. **Surgery** 1991 Mar;109(3 Pt 1):342–4 (23 ref.)
[Laparoscopic cholecystectomy] Trede M, et al. **Dtsch Med Wochenschr** 1991 Feb 8;116(6):219–22 (9 ref.) **(Ger)**
[What does surgery in cholelithiasis accomplish today?] Tondelli P, et al. **Schweiz Med Wochenschr** 1991 May 18; 121(20):732–40 (43 ref.) (Eng. Abstr.) **(Ger)**
[Errors in establishing the indicators for cholecystectomy as a cause of development of post-cholecystectomy syndrome] Bobrov OE. **Klin Khir** 1991;(4):64–9 (129 ref.) **(Rus)**

THERAPY

Laparoscopic cholecystectomy: evolution, early results, and impact on nonsurgical gallstone therapies [see comments] Brandon JC, et al. **AJR Am J Roentgenol** 1991 Aug; 157(2):235–9 (32 ref.) Comment in: AJR Am J Roentgenol 1991 Aug;157(2):241–2.
Review article: bile acid therapy. Lanzini A, et al. **Aliment Pharmacol Ther** 1990 Feb;4(1):1–24 (130 ref.)
Surgeons, gallstones and the gall-bladder. Hardy KJ. **Aust N Z J Surg** 1991 Feb;61(2):95–101 (61 ref.)
The place of endoscopy in the management of gallstones. Winslet MC, et al. **Baillieres Clin Gastroenterol** 1991 Mar; 5(1):99–129 (221 ref.)
New trends in gallstone management. Cheslyn-Curtis S, et al. **Br J Surg** 1991 Feb;78(2):143–9 (79 ref.)
Biliary extracorporeal shockwave lithotripsy. Rawat B, et al. **Cardiovasc Intervent Radiol** 1990 Aug–Sep;13(4):258–63 (14 ref.)
Endoscopic management of biliary tract stones and stenosis. Zimmon DS, et al. **Cardiovasc Intervent Radiol** 1990 Aug–Sep;13(4):252–7 (30 ref.)
Biliary tract disease in the aged. Krasman ML, et al. **Clin Geriatr Med** 1991 May;7(2):347–70 (162 ref.)
Biliary lithotripsy. Prystowsky JB, et al. **Curr Probl Surg** 1990 Nov;27(11):709–72 (179 ref.)
A practical guide to the nonsurgical treatment of gallstones. Maudgal DP, et al. **Drugs** 1991 Feb;41(2):185–92 (28 ref.)
Biliary extracorporeal shock-wave lithotripsy. Garcia G, et al. **Gastroenterol Clin North Am** 1991 Mar;20(1):201–8 (25 ref.)
Interventional radiology in gallstone disease. Goodacre B, et al. **Gastroenterol Clin North Am** 1991 Mar;20(1):209–27 (101 ref.)
Contact dissolution of cholesterol gallstones with organic solvents. Hofmann AF, et al. **Gastroenterol Clin North Am** 1991 Mar;20(1):183–99 (72 ref.)
Treatment of cholesterol gallstones with litholytic bile acids. Salen G, et al. **Gastroenterol Clin North Am** 1991 Mar; 20(1):171–82 (56 ref.)
Extracorporeal shock wave lithotripsy for gallstones: the shock of the eighties. Darzi A, et al. **HPB Surg** 1990 Oct; 2(4):227–31 (16 ref.)
Nonsurgical treatment of cholelithiasis. An analysis of clinical opportunity. Weinstein DF, et al. **Int J Technol Assess Health Care** 1990;6(4):643–54 (37 ref.)
Gallstone breakthrough with lithotripsy? Burhenne HJ. **Invest Radiol** 1990 Oct;25(10):1149–52 (22 ref.)
Non surgical management of gallstones. Amarapurkar DN, et al. **J Assoc Physicians India** 1990 Sep;38(9):647–50 (35 ref.)
Nonsurgical treatment of biliary lithiasis. Voiosu R. **Med Interne** 1990 Jul–Sep;28(3):199–208 (24 ref.)
Current options for the management of gallstones. Desmond PV. **Med J Aust** 1991 Mar 18;154(6):400–1, 404–6 (22 ref.)
Cholelithiasis: diagnosis and current therapeutic options. Dudley SL, et al. **Nurse Pract** 1991 Mar;16(3):12–8, 23–4 (24 ref.)
Clinical experience with biliary extracorporeal shock wave lithotripsy. Lee SH, et al. **Radiol Clin North Am** 1990 Nov; 28(6):1265–75 (45 ref.)
Interventional radiologic alternatives to cholecystectomy. Malone DE. **Radiol Clin North Am** 1990 Nov;28(6):1145–56 (62 ref.)
Extracorporeal shock-wave lithotripsy of gallstones with the adjuvant use of cholelitholytic bile acids. Albert MB, et al. **Semin Liver Dis** 1990 Aug;10(3):197–204 (57 ref.)
Topical treatment of calcified and pigment stones. Leuschner U. **Semin Liver Dis** 1990 Aug;10(3):191–6 (54 ref.)
Oral dissolution treatment of gallstones with bile acids. Salen G, et al. **Semin Liver Dis** 1990 Aug;10(3):181–6 (55 ref.)
Topical dissolution treatment of cholesterol gallstones with methyl tert-butyl ether. Thistle JL. **Semin Liver Dis** 1990 Aug;10(3):187–90 (13 ref.)
Gallstone lithotripsy. Schirmer BD. **Surg Annu** 1991;23 Pt 1:91–114 (63 ref.)
Nonoperative management of bile duct stones. Gordon RL, et al. **Surg Clin North Am** 1990 Dec;70(6):1313–28 (46 ref.)
Extracorporeal shock wave lithotripsy for biliary stones. Prystowsky JB, et al. **Surg Clin North Am** 1990 Dec; 70(6):1231–48 (41 ref.)
Non-surgical options for the management of gallstone disease: an overview. Cuschieri A. **Surg Endosc** 1990; 4(3):127–31; discussion 136–40 (35 ref.)
Application of urologic techniques to nonurinary calculi. Wolf JS Jr, et al. **Urology** 1990 Nov;36(5):383–9 (42 ref.)
[Standardized in vitro models for the characterization of shockwaves] Brümmer F, et al. **Biomed Tech (Berlin)** 1990; 35 Suppl 3:237–8 (21 ref.) **(Ger)**
[10 years extracorporeal shockwave lithotripsy--progress in shockwave technology] Forssmann B, et al. **Biomed Tech (Berlin)** 1990;35 Suppl 3:230–2 (12 ref.) **(Ger)**
[Change in the assessment of trauma in surgery and internal medicine with the treatment of gallstones as an example] Kümmerle F, et al. **Dtsch Med Wochenschr** 1990 Dec 21; 115(51–52):1971–4 (26 ref.) **(Ger)**
[Gallbladder calculi: internal medicine and surgical alternatives of therapy] Swobodnik W, et al. **Internist (Berl)** 1991 May;32(5):283–91 (52 ref.) **(Ger)**
[Current treatment methods in cholelithiasis: the "Zürcher indications"] Hoffmann R, et al. **Schweiz Med Wochenschr** 1991 Jul 20;121(29):1043–8 (17 ref.) (Eng. Abstr.) **(Ger)**
[Endoscopic treatment of bile duct stones and their complications] Bühler H. **Schweiz Rundsch Med Prax** 1990 Nov 13;79(46):1416–21 (50 ref.) (Eng. Abstr.) **(Ger)**
[Current surgical and non-surgical possibilities in the treatment of gallbladder stones] Largiadèr F. **Schweiz Rundsch Med Prax** 1991 Mar 26;80(13):318–21 (14 ref.) (Eng. Abstr.) **(Ger)**
[Non-surgical therapy of gall stones] Münch R. **Schweiz Rundsch Med Prax** 1991 May 14;80(20):548–55 (66 ref.) (Eng. Abstr.) **(Ger)**
[Conservative therapy on cholelithiasis] Pauletzki J, et al. **Z Arztl Fortbild (Jena)** 1990;84(17):853–7 (32 ref.) **(Ger)**
[Non-surgical treatment of cholecystolithiasis: laser lithotripsy in the gallbladder] Ell C. **Z Gastroenterol Verh** 1991 Mar;26:202–3 (15 ref.) **(Ger)**
[Limits of ESWL (extracorporeal shockwave lithotripsy)] Staritz M, et al. **Z Gastroenterol Verh** 1991 Mar;26:195–8 (9 ref.) **(Ger)**
[Alternative approaches to the treatment of cholelithiasis] Dederer IuM, et al. **Khirurgiia (Mosk)** 1990 Oct;(10):147–53 (115 ref.) **(Rus)**
[Bile acids as a means for dissolving cholesterol gallstones (a review of the literature)] Vashchuk FS, et al. **Vrach Delo** 1990 Dec;(12):50–4 (31 ref.) **(Rus)**
[Biliary lithiasis: non-surgical therapeutic options] Escartín Muñoz-Ortiz P, et al. **An Med Interna** 1990 Feb;7(2):89–99 (130 ref.) **(Spa)**
[The nonsurgical treatment of biliary lithiasis] Reverte Cejudo D. **Rev Clin Esp** 1990 Jun;187(1):34–7 (28 ref.) **(Spa)**
[Extracorporeal shockwave biliary lithotripsy. Physical basis and clinical application] Méndez-Sánchez N, et al. **Rev Invest Clin** 1990 Jul–Sep;42(3):231–9 (24 ref.) (Eng. Abstr.) **(Spa)**

CHOLELITHIASIS, COMMON BILE DUCT see **COMMON BILE DUCT CALCULI**

CHOLERA

EPIDEMIOLOGY

Non-O group 1 Vibrio cholerae: a look at the epidemiology of an occasional pathogen. Morris JG Jr. **Epidemiol Rev** 1990;12:179–91 (85 ref.)

ETIOLOGY

Cholera and cholera-like diarrhoeal diseases: why the differences in severity? Abdulkadir SA. **Med Hypotheses** 1991 Mar;34(3):278–81 (38 ref.)

MICROBIOLOGY

[The absence of differences between El Tor cholera and classical cholera] Alekseenko VV. **Zh Mikrobiol Epidemiol Immunobiol** 1991 Feb;(2):72–5 (43 ref.) **(Rus)**

PREVENTION & CONTROL

New vaccines against bacterial enteric infections. Holmgren J, et al. **Scand J Infect Dis Suppl** 1990;70:149–56 (23 ref.)

CHOLERA TOXIN

PHARMACOLOGY

Structural and functional characterization of ADP-ribosylation factors, 20 kDa guanine nucleotide-binding proteins that activate cholera toxin. Moss J, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:83–8 (19 ref.)
Bacterial toxins as probe for receptor–Gi coupling. Ui M, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:63–9 (13 ref.)

CHOLERA VACCINE

ADMINISTRATION & DOSAGE

Development of oral vaccines against cholera and enterotoxinogenic Escherichia coli diarrhea. Holmgren J, et al. **Scand J Infect Dis Suppl** 1990;76:47–53 (22 ref.)

CHOLERAGEN see **CHOLERA TOXIN**

CHOLERAGENOID see **CHOLERA TOXIN**

CHOLESTASIS

CHEMICALLY INDUCED

Chemical-induced interference with hepatocellular transport. Role in cholestasis. Kukongviriyapan V, et al. **Chem Biol Interact** 1991;77(3):245–61 (149 ref.)

Drug-induced cholestasis: pathogenesis and clinical features. King PD, et al. **Semin Liver Dis** 1990 Nov;10(4):316–21 (69 ref.)

[Secondary drug-induced cholestasis with bile duct involvement] Horsmans Y, et al. **Acta Gastroenterol Belg** 1991 Jan-Feb;54(1):27–33 (37 ref.) (Eng. Abstr.) **(Fre)**

[Cholestatic hepatitis induced by the amoxicillin-clavulanic acid combination. A case and review of the literature] Cleau D, et al. **Gastroenterol Clin Biol** 1990;14(12):1007–9 (24 ref.) (Eng. Abstr.) **(Fre)**

[Jaundice caused by rifampicin: 3 cases] Taillan B, et al. **Rev Med Interne** 1989 Sep-Oct;10(5):409–11 (19 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Light chain deposition disease of the liver associated with AL-type amyloidosis and severe cholestasis. Faa G, et al. **J Hepatol** 1991 Jan;12(1):75–82 (47 ref.)

DRUG THERAPY

Treatment of chronic liver disease with ursodeoxycholic acid. Guslandi M. **J Int Med Res** 1990 Nov-Dec;18(6):497–505 (73 ref.)

ETIOLOGY

Hepatobiliary dysfunction associated with total parenteral nutrition. Payne-James JJ, et al. **Dig Dis** 1991;9(2):106–24 (119 ref.)

Jaundice and cholestasis. Some common and uncommon causes. Gordon SC. **Postgrad Med** 1991 Sep 15;90(4):65–71 (10 ref.)

PHYSIOPATHOLOGY

Advances in the comprehension of the pathophysiology of bile secretion. Loria P, et al. **Dig Dis** 1991;9(3):142–55 (70 ref.)

Copper and liver disease. Danks DM. **Eur J Pediatr** 1991 Jan;150(3):142–8 (43 ref.)

Recent concepts in bile formation and cholestasis. Erlinger S. **Recenti Prog Med** 1990 Jun;81(6):387–91 (24 ref.)

SURGERY

Resection of a granular cell tumor at the hepatic confluence. A precarious location for a benign tumor. Sanchez JA, et al. **Am Surg** 1991 Jul;57(7):446–50 (47 ref.)

Management of malignant bile duct obstruction. Cotton PB. **J Gastroenterol Hepatol** 1990;5 Suppl 1:63–77 (163 ref.)

Reoperation for biliary strictures. Roslyn JJ, et al. **Surg Clin North Am** 1991 Feb;71(1):109–16 (31 ref.)

[Cholecysto-intestinal anastomoses in the treatment of obstructive jaundice with neoplastic origin] Avaliani MV, et al. **Klin Khir** 1990;(9):39–43 (59 ref.) **(Rus)**

[Endoscopic decompression of the biliary tract] Farca Belsaguy A. **Rev Gastroenterol Mex** 1990 Jul-Sep; 55(3):171–5 (12 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Palliation of malignant obstructive jaundice--surgery or stent? Hatfield AR. **Gut** 1990 Dec;31(12):1339–40 (11 ref.)

Endoscopically inserted biliary endoprosthesis in malignant obstructive jaundice. A survey of the literature. Naggar E, et al. **Liver** 1990 Dec;10(6):321–4 (19 ref.)

Percutaneous biliary drainage for high obstruction. Barth KH. **Radiol Clin North Am** 1990 Nov;28(6):1223–35 (43 ref.)

Biliary endoprostheses. Plastic versus metal stents. Lammer J. **Radiol Clin North Am** 1990 Nov;28(6):1211–22 (31 ref.)

Percutaneous balloon dilatation of benign biliary strictures. Morrison MC, et al. **Radiol Clin North Am** 1990 Nov; 28(6):1191–201 (20 ref.)

CHOLESTASIS, EXTRAHEPATIC see **BILE DUCT OBSTRUCTION, EXTRAHEPATIC**

CHOLESTASIS, INTRAHEPATIC

COMPLICATIONS

Intrahepatic cholestasis with gallstones in two siblings: a new hepatobiliary syndrome in association with anomalous arrangement of pancreaticobiliary ducts. Takehara H, et al. **Tokushima J Exp Med** 1990 Dec;37(3-4):121–9 (40 ref.)

DRUG THERAPY

Role of S-adenosyl-L-methionine in the treatment of intrahepatic cholestasis. Almasio P, et al. **Drugs** 1990;40 Suppl 3:111–23 (54 ref.)

ETIOLOGY

[Cholestasis and prostatic carcinoma. Description of a case and review of paraneoplastic cholestasis] Moris de la Tassa J, et al. **Med Clin (Barc)** 1991 Jan 12;96(1):22–5 (47 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Cellular mechanisms of intrahepatic cholestasis. Meier-Abt PJ. **Drugs** 1990;40 Suppl 3:84–97 (166 ref.)

RADIOGRAPHY

Radiologic approach to malignant biliary obstruction: review and commentary. Ring EJ. **Cardiovasc Intervent Radiol** 1990 Aug-Sep;13(4):217–22 (27 ref.)

THERAPY

Endoscopic approach to malignant biliary obstruction. Devière J, et al. **Cardiovasc Intervent Radiol** 1990 Aug-Sep; 13(4):223–30 (29 ref.)

Interventional radiology in malignant biliary obstruction. Hamlin JA, et al. **Semin Oncol** 1991 Apr;18(2):123–30 (36 ref.)

CHOLESTEATOMA

CONGENITAL

Bilateral congenital cholesteatomas associated with ossicular anomalies: a case report. Suetake M, et al. **Am J Otol** 1991 Mar;12(2):132–4 (15 ref.)

[Congenital cholesteatoma of the petrous bone. Etiopathogenic discussions apropos of 11 cases] Cannoni M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1989;110(1):33–42 (30 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Cholesteatoma: recognition and management. McKennan KX. **Am Fam Physician** 1991 Jun;43(6):2091–6 (8 ref.)

Cholesteatomatous otitis media. Black B. **Aust Fam Physician** 1991 Jun;20(6):806–8, 810, 812 (4 ref.)

PATHOLOGY

Facial nerve and medially invasive petrous bone cholesteatomas. Bartels LJ. **Ann Otol Rhinol Laryngol** 1991 Apr;100(4 Pt 1):308–16 (12 ref.)

RADIOGRAPHY

Tomographic evaluation of cholesteatomas of the middle ear and mastoid. Buckingham RA, et al. **Otolaryngol Clin North Am** 1973 Jun;6(2):363–78 (5 ref.)

SURGERY

Long-term results of various surgical treatments for cholesteatoma. Gersdorff M, et al. **Acta Otorhinolaryngol Belg** 1990;44(4):393–8 (28 ref.)

[Pathogenesis and prevention of recurrent cholesteatoma following closed tympanoplasty] Zini C, et al. **Acta Otorhinolaryngol Belg** 1991;45(1):43–9 (31 ref.) (Eng. Abstr.) **(Fre)**

[Infantile cholesteatoma] Giménez Vaíllo F, et al. **Acta Otorrinolaringol Esp** 1990 Jul-Aug;41(4):217–21 (37 ref.) (Eng. Abstr.) **(Spa)**

CHOLESTEROL

Nucleation and growth of cholesterol crystals. Kinetic determinants in supersaturated native bile. Holzbach RT, et al. **Gastroenterol Clin North Am** 1991 Mar;20(1):67–84 (73 ref.)

Cholesterol packing, crystallization and exchange properties in phosphatidylcholine vesicle systems. Phillips MC. **Hepatology** 1990 Sep;12(3 Pt 2):75S–80S; discussion 80S–82S (33 ref.)

Colon perforation due to cholesterol embolism. Anderson WR, et al. **Hum Pathol** 1991 Aug;22(8):839–41 (18 ref.)

[An often ignored complication of left heart catheterization: embolism of cholesterol crystals. Report of 9 cases] Mycinski C, et al. **Arch Mal Coeur** 1990 Oct;83(11):1643–50 (30 ref.) (Eng. Abstr.) **(Fre)**

[Cholesterol embolism of the kidney] Meyrier A, et al. **Dtsch Med Wochenschr** 1990 Dec 14;115(50):1917–20 (16 ref.) **(Ger)**

[Erdheim-Chester disease] Kujat C, et al. **Radiologe** 1991 Jun;31(6):297–306 (31 ref.) (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Drug targeting by endogenous transport vehicles. van Berkel TJ, et al. **Biochem Soc Trans** 1990 Oct;18(5):748–50 (11 ref.)

ANALOGS & DERIVATIVES

A black adrenocortical adenoma causing Cushing's syndrome not imaged by radiocholesterol scintigraphy. Reschini E, et al. **Eur J Nucl Med** 1990;17(3-4):185–7 (15 ref.)

Cholesterol oxides and carcinogenesis. Morin RJ, et al. **J Clin Lab Anal** 1991;5(3):219–25 (55 ref.)

ANALYSIS

Contact dissolution of cholesterol gallstones with organic solvents. Hofmann AF, et al. **Gastroenterol Clin North Am** 1991 Mar;20(1):183–99 (72 ref.)

Treatment of cholesterol gallstones with litholytic bile acids. Salen G, et al. **Gastroenterol Clin North Am** 1991 Mar; 20(1):171–82 (56 ref.)

Pathogenesis of cholesterol gallstones. Strasberg SM, et al. **HPB Surg** 1991 Feb;3(2):79–102 (129 ref.)

Pathophysiology and pathogenesis of cholesterol gallstone formation. Hay DW, et al. **Semin Liver Dis** 1990 Aug; 10(3):159–70 (103 ref.)

Topical dissolution treatment of cholesterol gallstones with methyl tert-butyl ether. Thistle JL. **Semin Liver Dis** 1990 Aug;10(3):187–90 (13 ref.)

Current development in the pathogenesis of gallstones. Tandon RK. **Trop Gastroenterol** 1990 Jul-Sep;11(3):130–9 (105 ref.)

BIOSYNTHESIS

Inhibition of the rate-limiting enzyme in cholesterol biosynthesis leads to up-regulation of the LDL receptor. **Nutr Rev** 1991 May;49(5):153–6 (15 ref.)

BLOOD

Mutations and variants of apolipoprotein B that affect plasma cholesterol levels. Innerarity TL, et al. **Adv Exp Med Biol** 1991;285:25–31 (34 ref.)

Mechanisms of hypocholesterolemia. Malmendier CL, et al. **Adv Exp Med Biol** 1991;285:173–82 (51 ref.)

Antihypertensive therapy and atherosclerosis. Horan MJ. **Am J Med Sci** 1991 Jun;301(6):402–5 (31 ref.)

Plasma cholesterol and lipoprotein levels during fetal development and infancy. Carlson SE. **Ann N Y Acad Sci** 1991;623:81–9 (41 ref.)

International comparisons of plasma cholesterol and lipoproteins. Labarthe DR, et al. **Ann N Y Acad Sci** 1991; 623:108–19 (12 ref.)

Separate effects of dietary protein and fat on serum cholesterol levels: another view of amino acid content of proteins. Sánchez A, et al. **Arch Latinoam Nutr** 1988 Jun; 38(2):239–50 (45 ref.)

Cholesterolemic effects of the lysine/arginine ratio in rabbits after initial early growth. Sánchez A, et al. **Arch Latinoam Nutr** 1988 Jun;38(2):229–38 (33 ref.)

The role of cholesterol in atherosclerosis and its potential management by dietary fiber. Kohn IJ, et al. **Arq Bras Cardiol** 1991 Mar;56(3):173–84 (116 ref.)

Cholesterol as a risk factor for coronary heart disease. Tunstall-Pedoe H, et al. **Br Med Bull** 1990 Oct; 46(4):1075–87 (24 ref.)

The role of diet and drugs in lowering serum cholesterol in the postmyocardial infarction patient. Schettler G. **Cardiovasc Drugs Ther** 1989 Jan;2(6):795–9 (21 ref.)

Report of the Expert Panel on Population Strategies for Blood Cholesterol Reduction. A statement from the National Cholesterol Education Program, National Heart, Lung, and Blood Institute, National Institutes of Health. Carleton RA, et al. **Circulation** 1991 Jun;83(6):2154–232 (629 ref.)

Review of clinical trials: proving the lipid hypothesis. Brown WV. **Eur Heart J** 1990 Dec;11 Suppl H:15–20 (11 ref.)

Lowering of plasma cholesterol levels in animals by lovastatin and simvastatin. Chao Y, et al. **Eur J Clin Pharmacol** 1991;40 Suppl 1:S11–4 (11 ref.)

Health and nutritional benefits from lactic acid bacteria. Gilliland SE. **FEMS Microbiol Rev** 1990 Sep;7(1-2):175–88 (82 ref.)

Asymptomatic hypercholesterolemia: a clinical policy review. The Toronto Working Group on Cholesterol Policy. **J Clin Epidemiol** 1990;43(10):1028–121 (334 ref.)

Thyroid hormone. Basis for its hypocholesterolemic effect. Ness GC. **J Fla Med Assoc** 1991 Jun;78(6):383–5 (23 ref.)

Managing cholesterol in children and adolescents. Saizow RB. **J Okla State Med Assoc** 1991 Apr;84(4):153–9 (29 ref.)

Cholesterol and coronary heart disease. Future directions. Grundy SM. **JAMA** 1990 Dec 19;264(23):3053–9 (81 ref.)

The case against childhood cholesterol screening [see comments] Newman TB, et al. **JAMA** 1990 Dec 19; 264(23):3039–43 (49 ref.) Comment in: JAMA 1990 Dec 19;264(23):3060–1.

Mode of cholesterolemic action of dietary proteins. Beynen AC. **Monogr Atheroscler** 1990;16:153–9 (20 ref.)

Effects of dietary fish protein on plasma cholesterol and lipoproteins in animal modes and in humans. Jacques H. **Monogr Atheroscler** 1990;16:59–70 (36 ref.)

The value of lowering cholesterol after myocardial infarction [see comments] Rossouw JE, et al. **N Engl J Med** 1990 Oct 18;323(16):1112–9 (64 ref.) Comment in: N Engl J Med 1991 Mar 28;324(13):922–3.

Cholesterol crystal embolisation. van Jaarsveld BC, et al. **Neth J Med** 1991 Feb;38(1-2):86–92 (60 ref.)

Trans-fatty acids and serum cholesterol levels. **Nutr Rev** 1991 Feb;49(2):57–60 (17 ref.)

Casein versus soy protein: further elucidation of their differential effect on serum cholesterol in rabbits. **Nutr Rev** 1991 Apr;49(4):121–3 (5 ref.)

Reduction of serum cholesterol levels and regression of atherosclerosis. Stehbens WE. **Pathology** 1991 Jan; 23(1):45–53 (127 ref.)

Dietary fat quality and circulating cholesterol levels in humans: a review of actions and mechanisms. Mazier MJ, et al. **Prog Food Nutr Sci** 1991;15(1-2):21–41 (92 ref.)

The cholesterol controversy: is cholesterol really a risk factor

for coronary artery disease? Margolis S. **Trans Assoc Life Insur Med Dir Am** 1991;74:69–77 (0 ref.)
[Role of high density lipoproteins (HDL) in reverse cholesterol transport] Ponsin G. **Diabete Metab** 1991 May–Jun;17(3):319–24 (38 ref.) (Eng. Abstr.) **(Fre)**
[Embolism caused by cholesterol] Godeau P, et al. **J Mal Vasc** 1991;16(1):58–66 (21 ref.) **(Fre)**
[LDL receptors] Ducobu J. **Rev Med Brux** 1990 Dec; 11(10):481–92 (16 ref.) (Eng. Abstr.) **(Fre)**
[Triglyceride-rich lipoproteins as risk factors for atherosclerosis] Schwandt P. **Klin Wochenschr** 1990;68 Suppl 22:54–8 (20 ref.) (Eng. Abstr.) **(Ger)**
[Cholesterol absorption and metabolism in the small intestine] Stange EF, et al. **Z Gastroenterol Verh** 1991 Mar;26:100–1 (14 ref.) **(Ger)**
[Distribution of apolipoprotein A I and B in the blood according to age and gender, as well as their relation to blood cholesterol levels in the Hungarian blood donor population] Császár A, et al. **Orv Hetil** 1991 Aug 18; 132(33):1795–800 (30 ref.) (Eng. Abstr.) **(Hun)**
[Lipid- and lipoprotein-cholesterol levels in the first 8 months of low-weight (less than or equal to 1500 g) premature infants] Decsi T, et al. **Orv Hetil** 1991 Apr 30; 132(17):907–10 (33 ref.) (Eng. Abstr.) **(Hun)**
[The effect of soybean protein on lipids and trace elements in elderly hospitalized women] Regöly-Mérei A, et al. **Orv Hetil** 1991 Jul 14;132(28):1523–6 (33 ref.) (Eng. Abstr.) **(Hun)**
[Prevention of myocardial infarction by reducing serum cholesterol levels. High-risk strategies should be limited] Jacobsen BK. **Tidsskr Nor Laegeforen** 1991 Jun 30; 111(17):2159–61 (22 ref.) (Eng. Abstr.) **(Nor)**
[Cholesterol prevention. American and European positions] Cybulska B. **Wiad Lek** 1990 Aug 1–15;43(15–16):808–20 (15 ref.) **(Pol)**
[Effects of intra-partum stress on lipid metabolism. Adaptation of plasma lipid transport systems in neonates] Campoy Folgoso C, et al. **An Esp Pediatr** 1990 Sep; 33(3):245–52 (64 ref.) (Eng. Abstr.) **(Spa)**
[Cholesterol and atherosclerosis in childhood] Muñoz Calvo MT, et al. **An Esp Pediatr** 1990 Sep;33(3):203–12 (58 ref.) **(Spa)**
[A consensus accord for the control of cholesterolemia in Spain. Madrid. March 1989] Martín Zurro A. **Aten Primaria** 1990 May;7 Spec No:43–8 (27 ref.) **(Spa)**
[Nutritional risk factors for ischemic cardiopathy] Jiménez Cruz A, et al. **Gac Sanit** 1990 Jan–Feb;4(16):29–34 (42 ref.) (Eng. Abstr.) **(Spa)**

CHEMISTRY

Biochemistry of the neurolipids. Svennerholm L. **Ups J Med Sci Suppl** 1990;48:7–19 (15 ref.)
[Bile acids as a means for dissolving cholesterol gallstones (a review of the literature)] Vashchuk FS, et al. **Vrach Delo** 1990 Dec;(12):50–4 (31 ref.) **(Rus)**

IMMUNOLOGY

Antibodies to cholesterol, cholesterol conjugates and liposomes: implications for atherosclerosis and autoimmunity. Alving CR, et al. **Crit Rev Immunol** 1991; 10(5):441–53 (89 ref.)

METABOLISM

Binding of apolipoproteins A to adipose cells: role of receptor sites in cholesterol efflux and purification of binding protein(s). Barbaras R, et al. **Adv Exp Med Biol** 1991; 285:85–92 (28 ref.)
Alterations in cholesterol metabolism in the genetically hypercholesterolemic RICO rat: an overview. Ouguerram K, et al. **Adv Exp Med Biol** 1991;285:257–74 (25 ref.)
Dietary copper: cholesterol and lipoprotein metabolism. Lei KY. **Annu Rev Nutr** 1991;11:265–83 (56 ref.)
Reverse cholesterol transport: physiology and pharmacology. Franceschini G, et al. **Atherosclerosis** 1991 Jun; 88(2–3):99–107 (110 ref.)
Atheroma formation: defective control in the intimal round-trip of cholesterol. Kovanen PT. **Eur Heart J** 1990 Aug;11 Suppl E:238–46 (64 ref.)
The role of HDL in reverse cholesterol transport and its disturbances in Tangier disease and HDL deficiency with xanthomas. Schmitz G, et al. **Eur Heart J** 1990 Aug;11 Suppl E:197–211 (98 ref.)
HDL receptors and cholesterol efflux from parenchymal cells. Slotte JP. **Eur Heart J** 1990 Aug;11 Suppl E:212–7 (39 ref.)
Effects of bezafibrate on hepatic cholesterol metabolism. Ståhlberg D, et al. **Eur J Clin Pharmacol** 1991;40 Suppl 1:S33–6 (22 ref.)
Metabolic basis of cholesterol gallstone disease. Cooper AD. **Gastroenterol Clin North Am** 1991 Mar;20(1):21–46 (98 ref.)
Current concepts of cholesterol transport and crystal formation in human bile. Holzbach RT. **Hepatology** 1990 Sep;12(3 Pt 2):26S–31S; discussion 31S–32S (35 ref.)
Nucleation of cholesterol crystals in native bile. Holzbach RT. **Hepatology** 1990 Sep;12(3 Pt 2):155S–159S; discussion 159S–161S (20 ref.)
Unconjugated bilirubin and cholesterol gallstone formation. Ostrow JD. **Hepatology** 1990 Sep;12(3 Pt 2):219S–224S; discussion 224S–226S (51 ref.)
Biliary cholesterol transport and precipitation: introduction and overview of conference. Strasberg SM, et al. **Hepatology** 1990 Sep;12(3 Pt 2):1S–5S (38 ref.)
Angiotoxicity and atherogenicity of cholesterol oxides. Peng SK, et al. **J Clin Lab Anal** 1991;5(2):144–52 (77 ref.)
Plasma lipoproteins and atherosclerosis. Tikkanen MJ. **J Diabetic Complications** 1990 Apr–Jun;4(2):35–8 (34 ref.)
The interaction of prostaglandin E1 with serum lipoproteins. Possible role in cholesterol homeostasis. Bergelson LD. **Lipids** 1990 Dec;25(12):767–74 (25 ref.)
Abnormalities in cholesterol metabolism cause peripheral neuropathy and dementia in AIDS--a hypothesis. Falkenbach A, et al. **Med Hypotheses** 1990 Sep;33(1):57–61 (62 ref.)
Postprandial lipemia and reverse cholesterol transport. **Nutr Rev** 1990 Sep;48(9):350–2 (6 ref.)
Mixed-fiber diets and cholesterol metabolism in middle-aged men. **Nutr Rev** 1991 Mar;49(3):80–2 (7 ref.)
New concepts on the formation and dissolution of cholesterol gallstones. Lahana DA, et al. **Rev Invest Clin** 1976 Jul–Sep; 28(3):225–33 (34 ref.)
[Current concepts of the pathogenesis of cholelithiasis] Tadzhiev IIa. **Klin Med (Mosk)** 1991 Apr;69(4):110–3 (62 ref.) **(Rus)**
[Characterization of lipoprotein catabolism in biliary cholesterol hypersecretion conditions in rats] Paz Marzolo M, et al. **Arch Biol Med Exp (Santiago)** 1989 Dec; 22(4):361–74 (52 ref.) (Eng. Abstr.) **(Spa)**
[Contraceptives and ischemic cardiopathy] García-Bolao I, et al. **Rev Med Univ Navarra** 1990 Jul–Sep;34(3):144–50 (87 ref.) (Eng. Abstr.) **(Spa)**
[Lipid metabolism in man--new knowledge on molecular level gives hope for better therapy] Angelin B, et al. **Lakartidningen** 1991 May 1;88(18):1681–6 (19 ref.) (Eng. Abstr.) **(Swe)**

PHARMACOKINETICS

Membrane cholesterol dynamics: cholesterol domains and kinetic pools. Schroeder F, et al. **Proc Soc Exp Biol Med** 1991 Mar;196(3):235–52 (171 ref.)

PHYSIOLOGY

Lipoproteins in interstitial fluid of dogs: implications for a role in reverse cholesterol transport. Roheim PS, et al. **Eur Heart J** 1990 Aug;11 Suppl E:225–9 (10 ref.)

CHOLESTEROL ACYLTRANSFERASE

ANTAGONISTS & INHIBITORS

Therapeutic potential of ACAT inhibitors as lipid lowering and anti-atherosclerotic agents. Sliskovic DR, et al. **Trends Pharmacol Sci** 1991 May;12(5):194–9 (43 ref.)

CHOLESTEROL, DIETARY

see related
HYPERCHOLESTEROLEMIA
HYPERCHOLESTEROLEMIA, FAMILIAL

ADMINISTRATION & DOSAGE

Methodological considerations on intra- versus interpopulation correlation studies. de Backer G. **Ann Nutr Metab** 1991;35 Suppl 1:84–8 (8 ref.)
Promoting adherence to low-fat, low-cholesterol diets: review and recommendations. McCann BS, et al. **J Am Diet Assoc** 1990 Oct;90(10):1408–14, 1017 (64 ref.)
Triacylglycerol metabolism and hypertriglyceridemia. **Nutr Rev** 1990 Sep;48(9):348–50 (8 ref.)
High dietary cholesterol prevents renal tubular lesions in diabetic rats. **Nutr Rev** 1991 Feb;49(2):60–2 (14 ref.)
Postprandial lipemia and reverse cholesterol transport. **Nutr Rev** 1990 Sep;48(9):350–2 (6 ref.)
[Diet with controlled content of fat and cholesterol--practical aspects and realized evaluation] Owczarek L. **Wiad Lek** 1990 Aug 1–15;43(15–16):834–45 (8 ref.) **(Pol)**

METABOLISM

Atherogenesis in diabetic cholesterol-fed rabbits. Nordestgaard BG. **Dan Med Bull** 1991 Feb;38(1):1–8 (55 ref.)
[Cholesterol absorption and metabolism in the small intestine] Stange EF, et al. **Z Gastroenterol Verh** 1991 Mar;26:100–1 (14 ref.) **(Ger)**

CHOLESTEROL ESTERS

BIOSYNTHESIS

[Type C Niemann-Pick disease: supranuclear ophthalmoplegia associated with deficient biosynthesis of cholesterol esters] Turpin JC, et al. **Rev Neurol (Paris)** 1991; 147(1):28–34 (34 ref.) (Eng. Abstr.) **(Fre)**

BLOOD

Factors regulating the distribution of cholesterol between LDL and HDL. Barter PJ, et al. **Adv Exp Med Biol** 1991; 285:59–64 (14 ref.)

METABOLISM

Regression of atheroma and putative role of CETP in cholesteryl ester removal. Stein Y, et al. **Adv Exp Med Biol** 1991;285:117–22 (12 ref.)
Atherosclerosis and molecular pathology: mechanisms of cholesteryl ester accumulation in foam cells and extracellular space of atherosclerotic lesions. Takano T, et al. **J Pharmacobiodyn** 1990 Jul;13(7):385–413 (142 ref.)
[Role of hepatic lipases, cholesterol ester transfer proteins and LCAT in the postprandial phase] van Tol A. **Klin Wochenschr** 1990;68 Suppl 22:23–8 (35 ref.) (Eng. Abstr.) **(Ger)**

CHOLESTEROL HDL see **LIPOPROTEINS, HDL CHOLESTEROL**

CHOLESTEROL INHIBITORS see **ANTICHOLESTEREMIC AGENTS**

CHOLESTEROL LDL see **LIPOPROTEINS, LDL CHOLESTEROL**

CHOLINE

ANALOGS & DERIVATIVES

AF64A-induced cholinergic hypofunction. Hanin I. **Prog Brain Res** 1990;84:289–99 (92 ref.)

CHEMISTRY

A review of chemical issues in 1H NMR spectroscopy: N-acetyl-L-aspartate, creatine and choline. Miller BL. **NMR Biomed** 1991 Apr;4(2):47–52 (47 ref.)

METABOLISM

AF64A-induced cholinergic hypofunction. Hanin I. **Prog Brain Res** 1990;84:289–99 (92 ref.)

CHOLINE ACETYLASE see **CHOLINE ACETYLTRANSFERASE**

CHOLINE ACETYLTRANSFERASE

DEFICIENCY

[Alzheimer's disease] Groppa SA. **Zh Nevropatol Psikhiatr** 1990;90(9):105–12 (141 ref.) **(Rus)**

GENETICS

Choline acetyltransferase: a molecular genetic approach. Mallet J, et al. **Prog Brain Res** 1990;84:3–10 (26 ref.)

METABOLISM

The synthesis of acetylcholine: twenty years of progress. Tuček S. **Prog Brain Res** 1990;84:467–77 (137 ref.)

CHOLINE CHLORIDE DIHYDROGEN PHOSPHATE see **PHOSPHORYLCHOLINE**

CHOLINE DEFICIENCY

COMPLICATIONS

Nutritional model of hepatocarcinogenesis. Rats fed choline-devoid diet. Lombardi B, et al. **Dig Dis Sci** 1991 Jul;36(7):979–84 (39 ref.)

ETIOLOGY

Are patients with cirrhosis choline deficient? **Nutr Rev** 1990 Oct;48(10):383–5 (9 ref.)

CHOLINE PHOSPHATE CHLORIDE see **PHOSPHORYLCHOLINE**

CHOLINE PHOSPHOGLYCERIDES see **PHOSPHATIDYLCHOLINES**

CHOLINERGIC AGENTS see **PARASYMPATHOMIMETICS**

CHOLINERGIC-BLOCKING AGENTS see **PARASYMPATHOLYTICS**

CHOLINERGIC FIBERS

DRUG EFFECTS

Cholinergic strategies in the treatment of Alzheimer's disease. Davidson M, et al. **Acta Psychiatr Scand Suppl** 1991; 366:47–51 (37 ref.)

PHYSIOLOGY

Cholinergic neurons of the central nervous system: morphofunctional aspects. Bigl V, et al. **Acta Psychiatr Scand Suppl** 1991;366:7–13 (57 ref.)
Central cholinergic functioning and aging. Müller WE, et al. **Acta Psychiatr Scand Suppl** 1991;366:34–9 (39 ref.)
Gastrointestinal motor dysfunction in acquired selective cholinergic dysautonomia associated with infectious mononucleosis. Vassallo M, et al. **Gastroenterology** 1991 Jan;100(1):252–8 (35 ref.)
Cholinergic vasoconstriction in the eye. Stjernschantz J.

J Ocul Pharmacol 1990 Fall;6(3):195–202 (26 ref.)
[Syndrome of partial cholinergic deafferentation of the cortical mantle—a concept for describing the brain–behavior relationship in dementia diseases] Arendt T. Fortschr Neurol Psychiatr 1991 Mar;59(3):81–91 (82 ref.) (Eng. Abstr.) (Ger)
[Activation of the cholinergic synapse in the septo–hippocampus under stress conditions] Finkelstein Y, et al. Harefuah 1989 Sep;117(5–6):154–7 (42 ref.) (Heb)

CHOLINERGIC RECEPTORS see **RECEPTORS, CHOLINERGIC**

CHOLINESTERASE INHIBITORS

see related
INSECTICIDES, ORGANOPHOSPHATE

PHARMACOKINETICS

Clinical pharmacokinetics of acetylcholinesterase inhibitors. Hartvig P, et al. Prog Brain Res 1990;84:139–43 (22 ref.)

PHARMACOLOGY

Reversal of neuromuscular blockade. Ramsey FM. Int Anesthesiol Clin 1991 Spring;29(2):93–104 (26 ref.)
Achievements in cholinergic research, 1969–1989: drug development. Jenden DJ. Prog Brain Res 1990;84:479–86 (89 ref.)

THERAPEUTIC USE

Cholinergic strategies in the treatment of Alzheimer's disease. Davidson M, et al. Acta Psychiatr Scand Suppl 1991; 366:47–51 (37 ref.)
Treatment of Alzheimer's disease with cholinergic drugs. Kumar V, et al. Int J Clin Pharmacol Ther Toxicol 1991 Jan;29(1):23–37 (96 ref.)

TOXICITY

Mechanism of action of organophosphorus and carbamate insecticides. Fukuto TR. Environ Health Perspect 1990 Jul; 87:245–54 (28 ref.)
Neurotoxicology dose/response assessment for several cholinesterase inhibitors: use of uncertainty factors. Raffaele KC, et al. Neurotoxicology 1990 Summer; 11(2):237–56 (64 ref.)

CHOLINESTERASES

BLOOD

Cholinesterase activity in domestic animals as a potential biomonitor for nerve agent and other organophosphate exposure. Munro NB, et al. J Am Vet Med Assoc 1991 Jul 1;199(1):103–15 (69 ref.)
The Pennsylvania State University College of Medicine 1990 Bernard B. Brodie Lecture. Pharmacogenetics: past and future. Kalow W. Life Sci 1990;47(16):1385–97 (77 ref.)

PHYSIOLOGY

Cholinesterases during development of the avian nervous system. Layer PG. Cell Mol Neurobiol 1991 Feb;11(1):7–33 (139 ref.)
The cholinesterases. Taylor P. J Biol Chem 1991 Mar 5; 266(7):4025–8 (49 ref.)

CHOLINOCEPTIVE SITES see **RECEPTORS, CHOLINERGIC**

CHOLINOCEPTORS see **RECEPTORS, CHOLINERGIC**

CHOLINOLYTICS see **PARASYMPATHOLYTICS**

CHOLINOMIMETICS see **PARASYMPATHOMIMETICS**

CHONDROBLASTOMA

PATHOLOGY

Benign tumors of bone. Klein MJ. Curr Opin Rheumatol 1990 Feb;2(1):95–101 (22 ref.)

CHONDROCALCINOSIS

Pseudogout of the ankle: a case study and arthroscopic-assisted treatment. Hanft JR, et al. J Foot Surg 1991 Mar–Apr;30(2):173–8 (21 ref.)

COMPLICATIONS

[Neurological aspects of microcrystalline arthropathies] Siniachenko OV, et al. Sov Med 1991;(4):31–3 (49 ref.) (Rus)

ETIOLOGY

[Osteoarticular manifestations of acromegaly: association with articular chondrocalcinosis] Le Devic P, et al. Rev Rhum Mal Osteoartic 1991 Feb;58(2):125–7 (13 ref.) (Fre)

RADIOGRAPHY

[Carpal instability and secondary degenerative changes in lesions of the radio–carpal ligaments with various etiology] Stäbler A, et al. Handchir Mikrochir Plast Chir 1990 Nov; 22(6):289–95 (29 ref.) (Eng. Abstr.) (Ger)

CHONDRODYSPLASIA PUNCTATA

GENETICS

Rhizomelic chondrodysplasia punctata and survival beyond one year: a review of the literature and five case reports. Wardinsky TD, et al. Clin Genet 1990 Aug;38(2):84–93 (21 ref.)
Chondrodysplasia punctata (Conradi disease). O'Brien TJ. Int J Dermatol 1990 Sep;29(7):472–6 (26 ref.)

CHONDRODYSTROPHIA CALCIFICANS CONGENITA see **CHONDRODYSPLASIA PUNCTATA**

CHONDROITIN SULFATE A see **CHONDROITIN SULFATES**

CHONDROITIN SULFATE B see **DERMATAN SULFATE**

CHONDROITIN SULFATE C see **CHONDROITIN SULFATES**

CHONDROITIN SULFATES

ANALYSIS

Monoclonal antibodies against chondroitin sulphate isomers: their use as probes for investigating proteoglycan metabolism. Caterson B, et al. Biochem Soc Trans 1990 Oct;18(5):820–3 (27 ref.)

METABOLISM

Structural features and binding properties of chondroitin sulfates, dermatan sulfate, and heparan sulfate. Casu B. Semin Thromb Hemost 1991;17 Suppl 1:9–14 (23 ref.)

CHONDROMA

[Lingual chondroma] Sanchez-Aniceto G, et al. Rev Stomatol Chir Maxillofac 1990;91(6):480–2 (11 ref.) (Eng. Abstr.) (Fre)

PATHOLOGY

Extraskeletal chondromas. Marcial-Seoane RA, et al. Bol Asoc Med P R 1990 Sep;82(9):394–402 (22 ref.)
Firm mass of the tongue [clinical conference] Moore K, et al. J Oral Maxillofac Surg 1990 Nov;48(11):1206–10 (37 ref.)
[Chondroosteoid breast tumor with multi-nucleated giant cells. Case report and review of the literature] Oemus K, et al. Pathologe 1990 Sep;11(5):307–12 (29 ref.) (Ger)

RADIOGRAPHY

Chondromyxoid fibroma: radiographic appearance in 38 cases and in a review of the literature [published erratum appears in Radiology 1991 Aug;180(2):586] Wilson AJ, et al. Radiology 1991 May;179(2):513–8 (22 ref.)
[Dura mater chondroma. A case report and review of the literature] Sebbag M, et al. J Radiol 1990 Aug–Sep; 71(8–9):495–8 (24 ref.) (Eng. Abstr.) (Fre)

CHONDROMATOSIS, SYNOVIAL

[Synovial chondromatosis of the temporomandibular joint. Apropos of 3 cases] Chossegros C, et al. Rev Stomatol Chir Maxillofac 1990;91(6):417–22 (26 ref.) (Eng. Abstr.) (Fre)

COMPLICATIONS

[Synovial osteochondromatosis of the knee and synovial chondrosarcoma. Report of 2 cases] Benoit J, et al. Rev Chir Orthop 1990;76(3):198–203 (5 ref.) (Eng. Abstr.) (Fre)

DIAGNOSIS

[Synovial chondromatosis of the hip] Mechelany E, et al. Ann Radiol (Paris) 1990;33(4–5):284–8 (16 ref.) (Eng. Abstr.) (Fre)

PATHOLOGY

Miscellaneous synovial lesions. Bertoni F, et al. Curr Opin Rheumatol 1990 Feb;2(1):120–37 (14 ref.)

SURGERY

[Synovial chondromatosis of the knee joint] Csernátony Z, et al. Magy Traumatol Orthop Helyreallító Sebesz 1991; 34(1):53–6 (20 ref.) (Eng. Abstr.) (Hun)

CHONDROSARCOMA

Extraskeletal myxoid chondrosarcoma of the epiglottis: case report and review of the literature. Wilkinson AH 3d, et al. Otolaryngol Head Neck Surg 1991 Feb;104(2):257–60 (15 ref.)
[Metacarpal bone chondrosarcoma. Apropos of a case] Oberlin P, et al. Ann Chir Main Memb Super 1991; 10(2):184–6 (5 ref.) (Eng. Abstr.) (Fre)

DIAGNOSIS

A rare cause of laryngeal distress: chondrosarcoma of the larynx. Horowitz DR, et al. Comput Med Imaging Graph 1991 Jan–Feb;15(1):67–71 (9 ref.)
[The problems posed by nasosinusal chondrosarcoma: a review of the literature and a case report] Esteban Ortega F, et al. An Otorrinolaringol Ibero Am 1990;17(5):519–34 (38 ref.) (Eng. Abstr.) (Spa)

ETIOLOGY

[Synovial osteochondromatosis of the knee and synovial chondrosarcoma. Report of 2 cases] Benoit J, et al. Rev Chir Orthop 1990;76(3):198–203 (5 ref.) (Eng. Abstr.) (Fre)

PATHOLOGY

Chondrosarcoma and other rare bone sarcomas. Van Oosterom AT, et al. Curr Opin Oncol 1990 Jun;2(3):495–9 (5 ref.)
Chondrosarcoma of the head in children. Chou P, et al. Pediatr Pathol 1990;10(6):945–58 (24 ref.)
Transarticular invasion of joints by bone tumors: hypothesis. Abdelwahab IF, et al. Skeletal Radiol 1991;20(4):279–83 (25 ref.)

SECONDARY

An unusual cutaneous metastasis of a chondrosarcoma. Leal-Khouri SM, et al. J Cutan Pathol 1990 Oct; 17(5):274–7 (16 ref.)
Metastatic chondrosarcoma of the gingiva mimicking a reactive exophytic lesion: a case report. Taicher S, et al. J Periodontol 1991 Mar;62(3):223–6 (28 ref.)

SURGERY

[Chondrosarcoma of the larynx and laryngectomy. Apropos of 2 cases] Bernal Sprekelsen M, et al. Acta Otorrinolaringol Esp 1990 May–Jun;41(3):193–6 (28 ref.) (Eng. Abstr.) (Spa)

CHONDROSTEOMA see **OSTEOCHONDROMA**

CHORDAE TENDINEAE

[False chordae tendineae in mitral valve prolapse: an association with limited responsibility?] Bolognesi R, et al. Cardiologia 1990 Jun;35(6):445–9 (47 ref.) (Ita)
[Syndrome of rupture of the mitral valve chordae: etiology, clinical aspects and surgical treatment] Skopin II, et al. Grud Serdechnososudistaia Khir 1991 May;(5):58–60 (58 ref.) (Rus)

PHYSIOLOGY

Role of the mitral subvalvular apparatus in left ventricular systolic mechanics. Sarris GE, et al. Semin Thorac Cardiovasc Surg 1989 Oct;1(2):133–43 (63 ref.)

CHORDOMA

Clivus chordoma in a 9-year-old child: case report and review of the literature. Fink FM, et al. Pediatr Hematol Oncol 1987;4(2):91–100 (52 ref.)

DIAGNOSIS

Chondroid chordoma: case report and literature review. Watson D, et al. Indiana Med 1991 Jan;84(1):18–21 (15 ref.)
Intracranial chordoma in a preadolescent. Case report. Oppenheim JS, et al. Surg Neurol 1991 Mar;35(3):230–3 (23 ref.)
Sacrococcygeal chordoma: clinicoradiological study. Saltutti C, et al. Urol Int 1990;45(6):372–5 (14 ref.)
[Cervical chordoma. Apropos of a case] Godard J, et al. Neurochirurgie 1990;36(6):388–93 (26 ref.) (Eng. Abstr.) (Fre)
[Chordoma (a review of 11 cases)] De Santis E, et al. Arch Putti Chir Organi Mov 1990;38(1):133–46 (25 ref.) (Eng. Abstr.) (Ita)

PATHOLOGY

Malignant fibrous histiocytoma in a recurrent thoracic chordoma: case report and literature review. Nanda A, et al. Neurosurgery 1991 Apr;28(4):588–92 (41 ref.)

RADIOGRAPHY

[Chordoma of the mobile spine. Report of 9 cases. Review of the literature] Chevalier X, et al. Rev Rhum Mal Osteoartic 1990 Nov;57(11):767–78 (98 ref.) (Eng. Abstr.) (Fre)

CHOREA

BLOOD

[Choreo-acanthocytosis] Ferrer X, et al. **Rev Neurol (Paris)** 1990;146(12):739-45 (57 ref.) (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

[Choreoathetosis induced by diphenylhydantoin in and infant with CHARGE syndrome] Martinez Orgado J, et al. **An Esp Pediatr** 1990 Oct;33(4):384-6 (18 ref.) **(Spa)**

DIAGNOSIS

[Paroxysmal choreoathetosis] Fegers S. **Fortschr Neurol Psychiatr** 1991 Jun;59(6):234-8 (46 ref.) (Eng. Abstr.) **(Ger)**

CHOREA, HEREDITARY see **HUNTINGTON CHOREA**

CHORIOADENOMA

DIAGNOSIS

Placental site trophoblastic tumor. Diagnosis, clinical behavior and treatment. Finkler NJ. **J Reprod Med** 1991 Jan;36(1):27-30 (21 ref.)

SURGERY

[Chorioadenoma destruens. Presentation of a case and review of the literature] Sereno Coló JA, et al. **Ginecol Obstet Mex** 1988 Feb;56:47-50 (21 ref.) (Eng. Abstr.) **(Spa)**

CHORIOAMNIONITIS

COMPLICATIONS

Preterm labor, preterm delivery, intrauterine infection, and preterm rupture of membranes. Papiernik E. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):8-12 (16 ref.)

Acute chorioamnionitis and the disorders that produce placental insufficiency. Naeye RL. **Monogr Pathol** 1991; (33):286-307 (50 ref.)

DIAGNOSIS

Eikenella corrodens chorioamnionitis. Jeppson KG, et al. **Obstet Gynecol** 1991 Sep;78(3 (Pt 2)):503-5 (12 ref.)

[Methods for diagnosing amniotic fluid infection] Mazor M, et al. **Harefuah** 1991 Feb 1;120(3):148-50 (20 ref.) **(Heb)**

DRUG THERAPY

Intrapartum antibiotic therapy for suspected intraamniotic infection: impact on the fetus and neonate. Maberry MC, et al. **Clin Obstet Gynecol** 1991 Jun;34(2):345-51 (28 ref.)

ETIOLOGY

Progress in pathogenesis and management of clinical intraamniotic infection. Gibbs RS, et al. **Am J Obstet Gynecol** 1991 May;164(5 Pt 1):1317-26 (47 ref.)

MICROBIOLOGY

Intraamniotic infection with Haemophilus influenzae. Report of a case and review of the literature. Mazor M, et al. **Arch Gynecol Obstet** 1991;249(1):47-50 (14 ref.)

CHORIOCARCINOMA

CONGENITAL

Neonatal intracranial choriocarcinoma. Chandra SA, et al. **Arch Pathol Lab Med** 1990 Oct;114(10):1079-82 (20 ref.)

DIAGNOSIS

[Primary choriocarcinoma of the fallopian tube. A case report] Barboza Quintana O, et al. **Ginecol Obstet Mex** 1987 Dec;55:315-7 (15 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Malignant placental site trophoblastic tumor. A case report and a review of the literature. Larsen LG, et al. **APMIS Suppl** 1991;23:138-45 (18 ref.)

Adenocarcinoma and (extragonadal) choriocarcinoma of the gallbladder in a young woman. Abu-Farsakh H, et al. **Hum Pathol** 1991 Jun;22(6):614-5 (22 ref.)

[Primary extragonadal choriocarcinoma of the bladder. A case report with a compilation of the 19 cases published so far] Schmid HP, et al. **Urologe [A]** 1991 Jan;30(1):72-4 (16 ref.) (Eng. Abstr.) **(Ger)**

SECONDARY

Choriocarcinoma of the testis metastatic to the skin. Requena L, et al. **J Dermatol Surg Oncol** 1991 May;17(5):466-70 (17 ref.)

Intracranial oncotic aneurysms from choriocarcinoma. Case report and review of the literature. Hove B, et al. **Neuroradiology** 1990;32(6):526-8 (24 ref.)

[Rupture of intracranial aneurysm due to intravascular metastasis of choriocarcinoma. Case report] Mori K, et al. **Neurol Med Chir (Tokyo)** 1990;30(11 Spec No):858-62 (23 ref.) (Eng. Abstr.) **(Jpn)**

CHORIONIC GONADOTROPIN RECEPTORS see **RECEPTORS, GONADOTROPIN**

CHORIONIC VILLI

PATHOLOGY

[Histologic age determination of placental villi. A review with schematic illustration] Horn LC, et al. **Pathologe** 1991 Jan;12(1):24-7 (20 ref.) **(Ger)**

ULTRASTRUCTURE

A cytogenetic study of spontaneous abortions with direct analysis of chorionic villi. Ohno M, et al. **Obstet Gynecol** 1991 Mar;77(3):394-8 (11 ref.)

CHORIONIC VILLI SAMPLING

Chromosomal mosaicism in chorionic villus sampling. Schreck RR, et al. **Clin Perinatol** 1990 Dec;17(4):867-88 (73 ref.)

Fetal genetic diagnosis by chorionic villus sampling. Jackson LG. **Semin Perinatol** 1991 Feb;15(1 Suppl 1):43-8 (23 ref.)

ADVERSE EFFECTS

The safety of chorionic villus sampling. A synthesis of the literature. Philip J, et al. **Ann N Y Acad Sci** 1991;626:568-79 (15 ref.)

METHODS

Chorionic villus sampling and amniocentesis. Silverman NS, et al. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):258-64 (16 ref.)

Chorionic villus sampling. Simpson JL. **Semin Perinatol** 1990 Dec;14(6):446-55 (42 ref.)

[DNA analysis and prenatal diagnosis in cystic fibrosis] Schnedl W, et al. **Wien Klin Wochenschr** 1991;103(2):29-33 (29 ref.) (Eng. Abstr.) **(Ger)**

STANDARDS

Chorionic villus sampling as the primary diagnostic tool in prenatal diagnosis. Should it replace genetic amniocentesis? Doran TA. **J Reprod Med** 1990 Oct;35(10):935-40 (27 ref.)

[Experience with chorionic villi sampling] Bolodár A, et al. **Orv Hetil** 1991 Jul 28;132(30):1645-9 (26 ref.) (Eng. Abstr.) **(Hun)**

CHORIORETINITIS

ETIOLOGY

[Chorioretinitis in congenital toxoplasmosis] Bazard MC, et al. **J Fr Ophtalmol** 1990;13(8-9):434-40 (22 ref.) (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

HCMV-induced chorioretinitis in the rabbit. Dunkel EC. **Transplant Proc** 1991 Jun;23(3 Suppl 3):25-8, discussion 28 (7 ref.)

CHORISTOMA

Papillary carcinoma in thyroglossal duct remnants. Pacheco-Ojeda L, et al. **Eur Arch Otorhinolaryngol** 1991; 248(5):268-70 (15 ref.)

Enteric duplication in the oral cavity. Awouters P, et al. **Int J Oral Maxillofac Surg** 1991 Feb;20(1):12-4 (17 ref.)

Implantation of parotid pleomorphic adenoma in the upper neck. Ferlito A, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(3):165-76 (157 ref.)

Supratrigonal ectopic prostate: case report and review of the literature. Richter S, et al. **Urol Int** 1991;46(1):96-8 (10 ref.)

[Macular site of bone choristoma of the choroid] Durand L, et al. **Bull Soc Ophtalmol Fr** 1990 Aug-Sep; 90(8-9):821-4 (28 ref.) **(Fre)**

[The heterotopic pancreas in children. Apropos of 4 new cases] Anagnostopoulos D, et al. **Chir Pediatr** 1990; 31(3):164-6 (32 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

[Right thoracic kidney with simple renal cyst: report of a case] Shimura S, et al. **Hinyokika Kiyo** 1990 Nov; 36(11):1321-4 (6 ref.) (Eng. Abstr.) **(Jpn)**

[Ectopic ureter in seminal vesicle with cystic dysplasia. A clinical case and review of the literature] Soler Fernández JM, et al. **Actas Urol Esp** 1990 Nov-Dec;14(6):447-50 (40 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Heterotopic tissue in lymph nodes. An unrecognized problem. Sawicki MP, et al. **Arch Surg** 1990 Oct; 125(10):1394-8; discussion 1398-9 (56 ref.)

[Ectopic prostatic polyp preoperatively diagnosed as bladder tumor: a case report] Ishida T, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1337-41 (25 ref.) (Eng. Abstr.) **(Jpn)**

[A case of intrathyroidal thymoma presenting as a thyroid mass] Takahashi H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Mar;39(3):351-5 (10 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Gliomatosis peritonei with malignant transformation: a case report and review of the literature. Shefren G, et al. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 1):1617-20; discussion 1620-1 (10 ref.)

The ectopic ovary. A case report and review of the literature. Lachman MF, et al. **Arch Pathol Lab Med** 1991 Mar; 115(3):233-5 (20 ref.)

Tumors of the neck showing thymic or related branchial pouch differentiation: a unifying concept. Chan JK, et al. **Hum Pathol** 1991 Apr;22(4):349-67 (84 ref.)

Foregut duplication arising from the pharynx. Frenkiel S, et al. **J Otolaryngol** 1990 Aug;19(4):279-81 (20 ref.)

Aberrant cervical thymus in children: three case reports and review of the literature. Spigland N, et al. **J Pediatr Surg** 1990 Nov;25(11):1196-9 (15 ref.)

Pleomorphic adenoma of cervical heterotopic salivary gland tissue: case report and review of neoplasms arising in cervical heterotopic salivary gland tissue. Rodgers GK, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):533-6 (13 ref.)

Aberrant breast tissue of the perineum--a report on two cases. Park YN, et al. **Yonsei Med J** 1990 Jun;31(2):182-6 (26 ref.)

Peritoneal endosalpingiosis. Clausen I. **Zentralbl Gynakol** 1991;113(6):329-32 (13 ref.)

[Two cases of benign polyps of the posterior urethra (ectopic prostatic tissue)] Tada K, et al. **Hinyokika Kiyo** 1990 Jun; 36(6):717-20 (19 ref.) (Eng. Abstr.) **(Jpn)**

[A heterotopic Brunner's adenoma in the stomach: a case report] Yasutake K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Jul;87(7):1551-5 (20 ref.) **(Jpn)**

RADIOGRAPHY

[Intramandibular inclusions of salivary gland tissue] Samson J, et al. **Minerva Stomatol** 1990 Jul;39(7):573-85 (111 ref.) (Eng. Abstr.) **(Ita)**

[Heterotopic bone in urology] Gironella Coll J. **Arch Esp Urol** 1990 Sep;43(7):757-66 (31 ref.) (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

Scintigraphic localization of ectopic parathyroid lesions with thallium-201. Moisa II, et al. **Head Neck** 1991 May-Jun; 13(3):184-90 (30 ref.)

THERAPY

The elbow. Wilkins KE, et al. **Instr Course Lect** 1991;40:1-87 (348 ref.)

CHOROID

[Macular site of bone choristoma of the choroid] Durand L, et al. **Bull Soc Ophtalmol Fr** 1990 Aug-Sep; 90(8-9):821-4 (28 ref.) **(Fre)**

ABNORMALITIES

[Chorioretinal coloboma and neovascular membrane] Rouland JF, et al. **Bull Soc Ophtalmol Fr** 1990 Jun-Jul; 90(6-7):643-4 (3 ref.) (Eng. Abstr.) **(Fre)**

INJURIES

[Long-term course of indirect traumatic ruptures of the choroid] Zografos L, et al. **J Fr Ophtalmol** 1990; 13(5):269-75 (15 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Doyne Lecture. Pathogenesis of retinal pigment epithelial detachment in the elderly; the relevance of Bruch's membrane change. Bird AC. **Eye** 1991;5 (Pt 1):1-12 (106 ref.)

CHOROID DISEASES

PHYSIOPATHOLOGY

[Placoid pigment epitheliopathy: a parallel study between automatized perimetry and fluorescence angiography] Frosini R, et al. **J Fr Ophtalmol** 1990;13(8-9):429-33 (30 ref.) (Eng. Abstr.) **(Fre)**

CHOROID NEOPLASMS

DIAGNOSIS

Differential diagnosis of choroidal neoplasms. Augsburger JJ. **Oncology (Williston Park)** 1991 Feb;5(2):87-96; discussion 96, 98 (23 ref.)

[Bilateral choroidal osteoma in an aged patient] Menchini U, et al. **J Fr Ophtalmol** 1990;13(1-2):3-9 (15 ref.) (Eng. Abstr.) **(Fre)**

CHOROID NEOPLASMS

RADIONUCLIDE IMAGING

The clinical status of immunoscintigraphy with monoclonal antibodies in ocular melanoma. Schaling DF, et al. **Int J Biol Markers** 1991 Jan-Mar;6(1):25-30 (44 ref.)

RADIOTHERAPY

Radiotherapeutic treatment for breast cancer choroidal metastases. Panizzoni GA, et al. **Tumori** 1990 Dec 31; 76(6):563-5 (14 ref.)

[Maculopathy caused by irradiation in patients treated for choroid melanoma] Haye C, et al. **Ophtalmologie** 1990 May-Jun;4(3):229-31 (18 ref.) (Eng. Abstr.) **(Fre)**

SECONDARY

Radiotherapeutic treatment for breast cancer choroidal metastases. Panizzoni GA, et al. **Tumori** 1990 Dec 31; 76(6):563-5 (14 ref.)

THERAPY

[Thermoradiotherapy of malignant choroid melanoma. Development of a new microwave hyperthermia system] Riedel KG, et al. **Fortschr Ophthalmol** 1990;87(6):543-50 (40 ref.) (Eng. Abstr.) **(Ger)**

CHOROID PLEXUS

Familial occurrence of tumours of the choroid plexus. Zwetsloot CP, et al. **J Med Genet** 1991 Jul;28(7):492-4 (8 ref.)

Cyst of the choroid plexus in the lateral ventricle: case report and review of the literature. Odake G, et al. **Neurosurgery** 1990 Sep;27(3):470-6 (36 ref.)

Management of choroid plexus tumors in children. Johnson DL. **Pediatr Neurosci** 1989;15(4):195-206 (63 ref.)

[Significance of prenatal diagnosis of fetal choroid plexus cysts [editorial]] Lurie S, et al. **Harefuah** 1990 Dec 2; 119(11):408-9 (21 ref.) **(Heb)**

BLOOD SUPPLY

Saccular aneurysm of the distal anterior choroidal artery--case report. Inagawa T, et al. **Neurol Med Chir (Tokyo)** 1990 Jul;30(7):498-502 (23 ref.)

[Microsurgical anatomy of the anterior choroidal artery] Ferreira A, et al. **Arq Neuropsiquiatr** 1990 Dec;48(4):448-53 (27 ref.) (Eng. Abstr.) **(Por)**

METABOLISM

Advances in understanding the pharmacology of agents used to treat bacterial meningitis. Spector R. **Pharmacology** 1990; 41(3):113-8 (25 ref.)

PATHOLOGY

Choroid plexus papillomas of the posterior fossa in adults: MR imaging and gadolinium enhancement. Report of four cases and review of the literature. Girardot C, et al. **J Neuroradiol** 1990;17(4):303-18 (27 ref.) **(Eng, Fre)**

ULTRASONOGRAPHY

Fetal choroid plexus cysts: a prospective study and review of the literature. Twining P, et al. **Br J Radiol** 1991 Feb; 64(758):98-102 (14 ref.)

CHOROIDITIS

Multifocal choroiditis. Joondeph BC, et al. **Int Ophthalmol Clin** 1990 Fall;30(4):286-90 (17 ref.)

DIAGNOSIS

[Placoid epitheliopathy and serpiginous choroidopathy] de Laey JJ. **Bull Soc Belge Ophtalmol** 1989;230:105-22 (52 ref.) (Eng. Abstr.) **(Fre)**

CHRIST-SIEMENS SYNDROME see **ECTODERMAL DYSPLASIA**

CHRISTIANITY

Perioperative considerations in Jehovah's Witnesses. Cooper JR Jr. **Int Anesthesiol Clin** 1990 Fall;28(4):210-5 (17 ref.)

CHRISTMAS DISEASE

GENETICS

Molecular biology of the hemophilias. Thompson AR. **Prog Hemost Thromb** 1991;10:175-214 (201 ref.)

CHRISTMAS FACTOR see **FACTOR IX**

CHROMAFFIN GRANULES

CHEMISTRY

Membrane antigens of endocrine, large dense-core and small synaptic vesicles. Winkler H, et al. **Biochem Soc Trans** 1991 Feb;19(1):79-83 (44 ref.)

PHYSIOLOGY

Intracellular mechanisms in exocytotic secretion. Schweizer FE, et al. **Biochem Pharmacol** 1991 Jan 15;41(2):163-9 (60 ref.)

CHROMAFFIN SYSTEM

PHYSIOLOGY

Intracellular mechanisms in exocytotic secretion. Schweizer FE, et al. **Biochem Pharmacol** 1991 Jan 15;41(2):163-9 (60 ref.)

CHROMATES

METABOLISM

Bacterial interactions with chromate. Cervantes C. **Antonie Van Leeuwenhoek** 1991 May;59(4):229-33 (59 ref.)

CHROMATIDS

PHYSIOLOGY

Sister chromatid cohesiveness: vital function, obscure mechanism. Maguire MP. **Biochem Cell Biol** 1990 Nov; 68(11):1231-42 (62 ref.)

CHROMATIN

[Domain structure of active chromatin] Hirose S. **Tanpakushitsu Kakusan Koso** 1990 Dec;35(16):2859-65 (32 ref.) **(Jpn)**

CHEMISTRY

DNA methylation and chromatin structure. Lewis J, et al. **FEBS Lett** 1991 Jul 22;285(2):155-9 (23 ref.)

What is a chromosome? Park M. **J Pathol** 1991 Mar; 163(3):185-9 (10 ref.)

[Psoralens as probes in the study of the structure and function of nucleic acids] Czyż M. **Postepy Biochem** 1989; 35(4):591-608 (153 ref.) **(Pol)**

METABOLISM

The poly-ADP-ribosylation system of higher eukaryotes: a protein shuttle mechanism in chromatin? Althaus FR, et al. **Acta Biol Hung** 1990;41(1-3):9-18 (12 ref.)

Differentiation control in cell cycle and development based on the alterations of higher-order chromatin structure. Theory and applications to radiation and chemical action. Andreev SG. **Acta Biol Hung** 1990;41(1-3):35-42 (8 ref.)

Histone H1-DNA interactions and their relation to chromatin structure and function. Zlatanova J, et al. **DNA Cell Biol** 1991 May;10(4):239-48 (98 ref.)

Localization of nucleolar chromatin by immunocytochemistry and in situ hybridization at the electron microscopic level. Thiry M, et al. **Electron Microsc Rev** 1991;4(1):85-110 (118 ref.)

DNA sequence specific interactions of histone H1. Zlatanova J, et al. **Mol Biol Rep** 1991 Feb;15(1):53-6 (24 ref.)

PHYSIOLOGY

Relation between carcinogenesis, chromatin structure and poly(ADP-ribosylation) (review). Boulikas T. **Anticancer Res** 1991 Mar-Apr;11(2):489-527 (410 ref.)

Histone H1 and the conformation of transcriptionally active chromatin. Garrard WT. **Bioessays** 1991 Feb;13(2):87-8 (20 ref.)

A deficiency in chromatin repair, genetic instability, and predisposition to cancer. Sanford KK, et al. **Crit Rev Oncog** 1989;1(3):323-41 (167 ref.)

DNA repair and the role of chromatin structure. Smerdon MJ. **Curr Opin Cell Biol** 1991 Jun;3(3):422-8 (52 ref.)

New approaches to chromatin function. Wolffe AP. **New Biol** 1990 Mar;2(3):211-8 (84 ref.)

ULTRASTRUCTURE

Protein H1: a role for chromatin structure in the regulation of bacterial gene expression and virulence? Higgins CF, et al. **Mol Microbiol** 1990 Dec;4(12):2007-12 (52 ref.)

Damage to DNA and chromatin structure from ionizing radiations, and the radiation sensitivities of mammalian cells. Lett JT. **Prog Nucleic Acid Res Mol Biol** 1990; 39:305-52 (160 ref.)

Imprinting a determined state into the chromatin of Drosophila. Paro R. **Trends Genet** 1990 Dec;6(12):416-21 (41 ref.)

[Cytogenetic changes in peripheral blood lymphocytes of oncology patients] Polishchuk LZ, et al. **Tsitol Genet** 1990 Nov-Dec;24(6):46-56 (103 ref.) (Eng. Abstr.) **(Rus)**

CHROMATIN, SEX see **SEX CHROMATIN**

CHROMATOGRAPHY

INSTRUMENTATION

Laser-based detectors in chromatographic analysis. Rossi TM. **J Pharm Biomed Anal** 1990;8(6):469-76 (34 ref.)

METHODS

Solvent modulation in hydrophobic interaction chromatography. Arakawa T, et al. **Biotechnol Appl Biochem** 1991 Apr;13(2):151-72 (91 ref.)

Food analysis on silica-bound HPLC phases. Khurana AL. **Crit Rev Food Sci Nutr** 1990;29(3):197-235 (256 ref.)

Liposome chromatography: liposomes immobilized in gel beads as a stationary phase for aqueous column chromatography. Lundahl P, et al. **J Chromatogr** 1991 May 17;544(1-2):283-304 (59 ref.)

TRENDS

New developments in bioanalytical chromatography. Novotny MV. **J Pharm Biomed Anal** 1989;7(2):239-46 (51 ref.)

CHROMATOGRAPHY, AFFINITY

METHODS

Immunoaffinity chromatography, its applicability and limitations in multi-residue analysis of anabolizing and doping agents. van Ginkel LA. **J Chromatogr** 1991 Apr 5;564(2):363-84 (29 ref.)

New developments in affinity chromatography. Lowe CR, et al. **J Mol Recognit** 1990 Jun;3(3):117-22 (28 ref.)

Amino acid side chain interaction with chelate-liganded crosslinked dextran, agarose and TSK gel. A mini review of recent work. Porath J. **J Mol Recognit** 1990 Jun; 3(3):123-7 (33 ref.)

[Ligand-exchange chromatography of proteins and enzymes] Lopatin SA, et al. **Bioorg Khim** 1990 Jun;16(6):725-50 (98 ref.) (Eng. Abstr.) **(Rus)**

CHROMATOGRAPHY, EXCLUSION see **CHROMATOGRAPHY, GEL**

CHROMATOGRAPHY, GAS

[High resolution gas chromatography and its application in pharmaceutical analysis] Fang HJ. **Yao Hsueh Hsueh Pao** 1990;25(11):869-80 (32 ref.) **(Chi)**

METHODS

Coupling HPLC to GC: why? How? With what instrumentation? Munari F, et al. **J Chromatogr Sci** 1990 Feb;28(2):61-6 (29 ref.)

[The analysis of urinary steroids using capillary gas-liquid chromatography] Shaposhnikov AV, et al. **Lab Delo** 1990; (9):18-23 (13 ref.) (Eng. Abstr.) **(Rus)**

CHROMATOGRAPHY, GAS-LIQUID see **CHROMATOGRAPHY, GAS**

CHROMATOGRAPHY, GAS-LIQUID-MASS SPECTROMETRY see **MASS FRAGMENTOGRAPHY**

CHROMATOGRAPHY, GAS-MASS SPECTROMETRY see **MASS FRAGMENTOGRAPHY**

CHROMATOGRAPHY, GEL

METHODS

[Liposome chromatography: a new mode of separation using lipid bilayer] Lundahl P, et al. **Tanpakushitsu Kakusan Koso** 1990 Aug;35(11):1983-98 (46 ref.) **(Jpn)**

CHROMATOGRAPHY, GEL PERMEATION see **CHROMATOGRAPHY, GEL**

CHROMATOGRAPHY, HIGH PERFORMANCE LIQUID see **CHROMATOGRAPHY, HIGH PRESSURE LIQUID**

CHROMATOGRAPHY, HIGH PRESSURE LIQUID

Liquid chromatographic control of the identity, purity and "potency" of biomolecules used as drugs. Farid NA, et al. **J Pharm Biomed Anal** 1989;7(2):185-8 (7 ref.)

Fluorogenic reagents, having benzofurazan structure, in liquid chromatography. Imai K, et al. **J Pharm Biomed Anal** 1989;7(12):1395-403 (47 ref.)

INSTRUMENTATION

[Trace analysis of biological substances by high-performance liquid chromatography with electrochemical detection] Shimada K, et al. **Yakugaku Zasshi** 1991 Apr-May; 111(4-5):225-33 (43 ref.) (Eng. Abstr.) **(Jpn)**

METHODS

Hydrophilic shielding of hydrophobic, cation- and anion-exchange phases for separation of small analytes: direct injection of biological fluids onto high-performance liquid chromatographic columns. Feibush B, et al. **J Chromatogr** 1991 May 17;544(1-2):41-9 (13 ref.)

Applications of high-performance liquid chromatography in bacteriology. I. Determination of metabolites. Lucarelli C, et al. **J Chromatogr** 1990 Aug 31;515:415-34 (100 ref.)

High-performance liquid chromatography packing materials for the analysis of small molecules in biological matrices by direct injection. Pinkerton TC. **J Chromatogr** 1991 May 17;544(1-2):13-23 (50 ref.)

Radiochromatography in pharmaceutical and biomedical analysis. Veltkamp AC. **J Chromatogr** 1990 Oct 12; 531:101–29 (91 ref.)
Coupling HPLC to GC: why? How? With what instrumentation? Munari F, et al. **J Chromatogr Sci** 1990 Feb;28(2):61–6 (29 ref.)
Chiral high performance liquid chromatography of drug molecules. Mehta AC. **J Clin Pharm Ther** 1990 Oct; 15(5):313–23 (41 ref.)
Inter-laboratory transfer of HPLC methods: problems and solutions. Kirschbaum JJ. **J Pharm Biomed Anal** 1989; 7(7):813–33 (16 ref.)
Sample preparation for the HPLC analysis of drugs in biological fluids. McDowall RD, et al. **J Pharm Biomed Anal** 1989;7(9):1087–96 (25 ref.)
Micropreparative high-performance liquid chromatography of proteins and peptides. Nice EC, et al. **J Pharm Biomed Anal** 1989;7(9):1039–53 (48 ref.)
The application of achiral/chiral coupled-column high-performance liquid chromatography to biomedical analysis. Wainer IW. **J Pharm Biomed Anal** 1989; 7(9):1033–8 (10 ref.)
Liquid chromatographic methods validation for pharmaceutical products. Wilson TD. **J Pharm Biomed Anal** 1990;8(5):389–400 (132 ref.)
Liquid chromatographic analysis of amino acids in physiological fluids: recent advances. Ersser RS, et al. **Med Lab Sci** 1991 Jan;48(1):59–71 (28 ref.)

CHROMATOGRAPHY, HIGH SPEED LIQUID see **CHROMATOGRAPHY, HIGH PRESSURE LIQUID**

CHROMATOGRAPHY, LIQUID

Novel strategies for clinical drug analysis with new column technology in liquid chromatography. Wong SH. **J Pharm Biomed Anal** 1990;8(2):185–93 (39 ref.)

INSTRUMENTATION

Optimization of LC apparatus for determinations in neurochemistry with an emphasis on microdialysis samples. Kissinger PT, et al. **J Neurosci Methods** 1990 Sep; 34(1–3):3–10 (17 ref.)
Bioselective detection in liquid chromatography by the use of immobilized enzymes. Marko-Varga G, et al. **J Pharm Biomed Anal** 1990;8(8–12):817–23 (36 ref.)

METHODS

Biomedical applications of chiral liquid chromatography. Camilleri P. **Biomed Chromatogr** 1991 May;5(3):128–32 (26 ref.)
Recent advances in counter-current chromatography. Ito Y. **J Chromatogr** 1991 Jan 18;538(1):3–25 (56 ref.)
Application of micellar mobile phases for the assay of drugs in biological fluids. Koenigbauer MJ. **J Chromatogr** 1990 Oct 12;531:79–99 (50 ref.)
Applications of analytical high-speed counter-current chromatography in natural products chemistry. Schaufelberger DE. **J Chromatogr** 1991 Jan 18;538(1):45–57 (43 ref.)
Advances in liquid chromatography and related methodologies for therapeutic drug monitoring. Wong SH. **J Pharm Biomed Anal** 1989;7(9):1011–32 (94 ref.)

CHROMATOGRAPHY, LIQUID, HIGH PRESSURE see **CHROMATOGRAPHY, HIGH PRESSURE LIQUID**

CHROMATOGRAPHY, MASS see **MASS FRAGMENTOGRAPHY**

CHROMATOGRAPHY, MOLECULAR SIEVE see **CHROMATOGRAPHY, GEL**

CHROMATOPHORES

see related
PIGMENTATION

CHROMIUM

Assessment of the human health risks posed by exposure to chromium-contaminated soils. Sheehan PJ, et al. **J Toxicol Environ Health** 1991 Feb;32(2):161–201 (163 ref.)

ADVERSE EFFECTS

[The effects of chromium on human health] Hrabač B, et al. **Arh Hig Rada Toksikol** 1990 Jun;41(2):233–9 (30 ref.) (Eng. Abstr.) **(Scr)**

METABOLISM

Metabolic reduction of chromium, as related to its carcinogenic properties. De Flora S, et al. **Biol Trace Elem Res** 1989 Jul–Sep;21:179–87 (34 ref.)

PHARMACOLOGY

[Essential trace element—chromium] Cheng YY. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):349–52 (40 ref.) **(Chi)**

TOXICITY

Mechanism of chromium(VI) carcinogenesis. Reactive intermediates and effect on gene expression. Wetterhahn KE, et al. **Biol Trace Elem Res** 1989 Jul–Sep;21:405–11 (25 ref.)
Chromium toxicity and carcinogenesis. Alcedo JA, et al. **Int Rev Exp Pathol** 1990;31:85–108 (99 ref.)
Micronutrient supplements: toxicity and drug interactions. Flodin NW. **Prog Food Nutr Sci** 1990;14(4):277–331 (257 ref.)

CHROMIUM ALLOYS

see related
DENTAL MATERIALS

CHEMISTRY

Systemic effects of implanted prostheses made of cobalt-chromium alloys. Michel R, et al. **Arch Orthop Trauma Surg** 1991;110(2):61–74 (47 ref.)

CHROMIUM-COBALT ALLOYS see **CHROMIUM ALLOYS**

CHROMIUM-NICKEL ALLOYS see **CHROMIUM ALLOYS**

CHROMOBLASTOMYCOSIS

DRUG THERAPY

Treatment of chromoblastomycosis. Tuffanelli L, et al. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 1):728–32 (54 ref.)

CHROMOGRANINS

ANALYSIS

[Chromogranins in endocrine cells of the digestive system] Grube D, et al. **Acta Histochem Suppl** 1990;38:81–5 (9 ref.) **(Ger)**

BLOOD

Circulating chromogranin A as a diagnostic tool in clinical chemistry. O'Connor DT, et al. **Acta Histochem Suppl** 1990; 38:27–33 (55 ref.)
Peptide hormones as tumor markers in neuroendocrine gastrointestinal tumors. Eriksson B, et al. **Acta Oncol** 1991; 30(4):477–83 (30 ref.)

METABOLISM

The granin (chromogranin/secretogranin) family. Huttner WB, et al. **Trends Biochem Sci** 1991 Jan;16(1):27–30 (46 ref.)

PHYSIOLOGY

Chromogranin A: its role in endocrine function and as an endocrine and neuroendocrine tumor marker. Deftos LJ. **Endocr Rev** 1991 May;12(2):181–7 (55 ref.)

CHROMOMYCOSIS see **CHROMOBLASTOMYCOSIS**

CHROMONES

PHARMACOLOGY

The role of the kallikrein-kinin system in joint inflammatory disease. Sharma JN. **Pharmacol Res** 1991 Feb;23(2):105–12 (47 ref.)

CHROMOSOMAL PROBES see **DNA PROBES**

CHROMOSOMAL PROTEINS, NON-HISTONE

ANALYSIS

The fate of sperm specific non-histone chromosomal proteins after fertilization in sea urchins. Imschenetzky M, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):241–5 (21 ref.)

CHROMOSOMAL RNA see **RNA, NUCLEAR**

CHROMOSOMAL TRANSLOCATION see **TRANSLOCATION (GENETICS)**

CHROMOSOME ABERRATIONS

The general mechanism of chromosomal mutagenesis: basic and applied aspects. Akifiev AP, et al. **Acta Biol Hung** 1990;41(1–3):3–7 (8 ref.)
Interphase cytogenetic analysis in the diagnosis and study of neoplastic disorders. Anastasi J. **Am J Clin Pathol** 1991 Apr;95(4 Suppl 1):S22–8 (23 ref.)
Duplication of the distal part of the long arm of chromosome 1. Johnson VP. **Am J Med Genet** 1991 Jun 1;39(3):258–69 (29 ref.)
Five children with del (2)(q31q33) and one individual with dup (2)(q31q33) from a single family: review of brain, cardiac, and limb malformations. Ramer JC, et al. **Am J Med Genet** 1990 Nov;37(3):392–400 (23 ref.)
Rearrangement of chromosome 15 in the region q11.2----q12 in an individual with obesity syndrome and her normal mother. Shohat M, et al. **Am J Med Genet** 1990 Oct; 37(2):173–7 (22 ref.)
The comparative radiation genetics of humans and mice. Neel JV, et al. **Annu Rev Genet** 1990;24:327–62 (109 ref.)
Mechanisms of induction of specific chromosomal alterations. Preston RJ. **Basic Life Sci** 1990;53:329–36 (26 ref.)
Characterization of chromosomal anomalies in human breast cancer. A comparison of 30 paradiploid cases with few chromosome changes. Dutrillaux B, et al. **Cancer Genet Cytogenet** 1990 Oct 15;49(2):203–17 (20 ref.)
Nonrandom cytogenetic changes in leiomyomas of the female genitourinary tract. A report of 35 cases. Kiechle-Schwarz M, et al. **Cancer Genet Cytogenet** 1991 May;53(1):125–36 (29 ref.)
Cytogenetic abnormalities in lung cancer. Campbell L, et al. **Cancer Treat Res** 1989;45:123–36 (26 ref.)
Chromosomal aspects of human oncogenesis. Dal Cin P, et al. **Crit Rev Oncog** 1989;1(2):113–26 (130 ref.)
Cytogenetics in malignant lymphomas. Kaneko Y. **Curr Opin Oncol** 1990 Oct;2(5):816–21 (20 ref.)
Report of the committee on clinical disorders and chromosomal deletion syndromes. Frezal J, et al. **Cytogenet Cell Genet** 1990;55(1–4):321–57 (826 ref.)
Report of the committee on chromosome changes in neoplasia. Mitelman F, et al. **Cytogenet Cell Genet** 1990; 55(1–4):358–86 (418 ref.)
Problems of genetic counseling in the presence of supernumerary marker chromosomes (case reports and a review of publications). Stefanova M, et al. **Folia Med (Plovdiv)** 1990;32(2):29–33 (23 ref.)
Uterine leiomyoma cytogenetics. Nibert M, et al. **Genes Chromosom Cancer** 1990 May;2(1):3–13 (83 ref.)
A clinical and cytogenetic study of institutionalized mental retardates. Kumada T. **Hiroshima J Med Sci** 1990 Jun; 39(2):39–56 (153 ref.)
Acute promyelocytic leukemia in Crohn's disease. Case report and review of the literature. Orii S, et al. **J Clin Gastroenterol** 1991 Jun;13(3):325–7 (10 ref.)
Chromosome imbalance, normal phenotype, and imprinting. Bortotto L, et al. **J Med Genet** 1990 Sep;27(9):582–7 (35 ref.)
Clinical significance of the cytogenetics of acute leukemias. Machnicki JL, et al. **Oncology (Williston Park)** 1990 Oct; 4(10):23–30; discussion 35–6 (25 ref.)
B-chromosomes: germ-line parasites which induced changes in host recombination. Bell G, et al. **Parasitology** 1990;100 Suppl:S19–26 (64 ref.)
Duplication of the long arm of chromosome 13 secondary to a recombination in a maternal intrachromosomal insertion (shift). Vekemans M, et al. **Prenat Diagn** 1990 Dec;10(12):787–94 (22 ref.)
Dietary factors affecting spontaneous chromosomal damage in man. MacGregor JT. **Prog Clin Biol Res** 1990;347:139–53 (28 ref.)
[Chromosome abnormalities of human gametes] Sèle B, et al. **Reprod Nutr Dev** 1990;Suppl 1:75s–82s (15 ref.) (Eng. Abstr.) **(Fre)**
[Chromosome abnormalities and tumor suppressor gene in childhood cancer] Hayashi Y. **Gan To Kagaku Ryoho** 1990 Dec;17(12):2327–32 (43 ref.) (Eng. Abstr.) **(Jpn)**
[Malignant histiocytosis with complex chromosomal abnormality: successful treatment with CHOP-E chemotherapy] Mori H, et al. **Rinsho Ketsueki** 1991 Mar; 32(3):244–9 (15 ref.) (Eng. Abstr.) **(Jpn)**
[Chromosome rearrangements in leukemia] Yoshida MC. **Rinsho Ketsueki** 1991 May;32(5):447–52 (8 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

The genetics of schizophrenia is the genetics of neurodevelopment. Jones P, et al. **Br J Psychiatry** 1991 May;158:615–23 (110 ref.)
Aberrant sex chromosome mechanisms in mammals. Evolutionary aspects. Fredga K. **Differentiation** 1983;23 Suppl:S23–30 (58 ref.)
Genomic alterations, origin and evolution of B-cell non-Hodgkin's lymphoma. Cuneo A, et al. **Haematologica** 1991 Jan–Feb;76(1):1–7 (46 ref.)
Cytogenetic markers in detecting the effects of exposure to complex mixtures of chemicals. Evans HJ. **IARC Sci Publ** 1990;(104):134–46 (49 ref.)
Genetic effects of marijuana. Zimmerman S, et al. **Int J Addict** 1990–91;25(1A):19–33 (67 ref.)
Molecular lesions in breast cancer. Mackay J, et al. **Int J Cancer Suppl** 1990;5:47–50 (44 ref.)
Allele losses and onco-suppressor genes. Dunlop MG. **J Pathol** 1991 Jan;163(1):1–5 (10 ref.)
Implications for genetic toxicology of the chromosomal breakage syndromes. Heddle JA. **Mutat Res** 1991 Apr; 247(2):221–9 (15 ref.)
The chromosome, its anatomy, and its aberrations. Yang-Feng TL. **Res Publ Assoc Res Nerv Ment Dis** 1991; 69:19–38 (84 ref.)
[Pericentric inversion of chromosome 9. Summary of the authors' results] Vargas de los Monteros MT, et al. **An Esp Pediatr** 1990 Nov;33(5):442–9 (37 ref.) (Eng. Abstr.) **(Spa)**

CHROMOSOME ABNORMALITIES

see related
MENTAL RETARDATION
SEX CHROMATIN

Genetic and environmental modulations of chromosomal stability: their roles in aging and oncogenesis. Martin GM. **Ann N Y Acad Sci** 1991;621:401–17 (91 ref.)

Biology and clinical significance of cytogenetic abnormalities in childhood acute lymphoblastic leukemia. Pui CH, et al. **Blood** 1990 Oct 15;76(8):1449–63 (222 ref.)

Molecular and cellular lesions associated with breast cancer progression. Smith HS, et al. **Breast Cancer Res Treat** 1991 May;18 Suppl 1:S51–4 (26 ref.)

Chromosomal abnormalities in myelodysplastic syndromes and acute myeloid leukemia. Machnicki JL, et al. **Clin Lab Med** 1990 Dec;10(4):755–67 (43 ref.)

Chromosomal aspects of human oncogenesis. Dal Cin P, et al. **Crit Rev Oncog** 1989;1(2):113–26 (130 ref.)

Oncogene amplification in neoplastic development and progression of human cancers. Schwab M. **Crit Rev Oncog** 1990;2(1):35–51 (129 ref.)

Neuro–ophthalmologic manifestations of mitochondrial DNA disorders: chronic progressive external ophthalmoplegia, Kearns–Sayre syndrome, and Leber's hereditary optic neuropathy. Kosmorsky G, et al. **Neurol Clin** 1991 Feb;9(1):147–61 (46 ref.)

Is there a neuroblastoma anti–oncogene? Schwab M. **Prog Clin Biol Res** 1991;366:1–9 (15 ref.)

Chromosome abnormalities in chronic myeloid leukaemia. A model for acquired chromosome changes in haematological malignancy. Dubé ID, et al. **Tumour Biol** 1990;11 Suppl 1:3–24 (151 ref.)

[Molecular analysis of genes involved in colorectal tumors. Markers of tumor predisposition and progression] Grandjouan S, et al. **Gastroenterol Clin Biol** 1991; 15(1):34–48 (44 ref.) **(Fre)**

[Chromosome anomalies in brain tumors] Berthéas MF, et al. **Pediatrie** 1991;46(1):65–9 (28 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Chromosomal mosaicism in chorionic villus sampling. Schreck RR, et al. **Clin Perinatol** 1990 Dec;17(4):867–88 (73 ref.)

DNA prenatal diagnosis. Gilbert F, et al. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):226–35 (8 ref.)

Clinical applications of fluorescence in situ hybridization. Tkachuk DC, et al. **Genet Anal Tech Appl** 1991 Apr; 8(2):67–74 (50 ref.)

Trisomy 12 mosaicism in phenotypically normal fetuses following prenatal detection. Wyandt HE, et al. **Prenat Diagn** 1990 Sep;10(9):569–74 (12 ref.)

[Clinical approach to prenatal diagnosis of chromosome abnormalities] Herlicoviez M. **Reprod Nutr Dev** 1990;Suppl 1:139s–145s (19 ref.) (Eng. Abstr.) **(Fre)**

[Autosomal dominant polycystic renal disease: a study of 5 familial cases] Puche López N, et al. **Aten Primaria** 1990 Oct;7(9):570–4 (17 ref.) (Eng. Abstr.) **(Spa)**

EPIDEMIOLOGY

Clustering of features of von Hippel–Lindau syndrome: evidence for a complex genetic locus [see comments] Neumann HP, et al. **Lancet** 1991 May 4;337(8749):1052–4 (24 ref.) Comment in: Lancet 1991 Jun 15;337(8755):1477–9.

The role of chromosome abnormalities in reproductive failure. Jacobs PA. **Reprod Nutr Dev** 1990;Suppl 1:63s–74s (16 ref.)

ETIOLOGY

The appropriate upper age limit for semen donors: a review of the genetic effects of paternal age [see comments] Bordson BL, et al. **Fertil Steril** 1991 Sep;56(3):397–401 (53 ref.) Comment in: Fertil Steril 1991 Sep;56(3):396.

GENETICS

A Dutch family with autosomal dominant pure spastic paraparesis (Strümpell's disease). Scheltens P, et al. **Acta Neurol Scand** 1990 Sep;82(3):169–73 (23 ref.)

Molecular genetics of Alzheimer's disease. Hardy J. **Acta Neurol Scand Suppl** 1990;129:29–31 (19 ref.)

Cytogenetic abnormalities in childhood acute lymphoblastic leukemia. Rubin CM, et al. **Am J Pediatr Hematol Oncol** 1991 Summer;13(2):202–16 (129 ref.)

Interstitial deletion of the band 4p15.3 defined by sequential replication banding. Davies J, et al. **Ann Genet** 1990; 33(2):92–5 (5 ref.)

Trisomy 9 mosaicism in a girl with multiple malformations. Diaz–Mares L, et al. **Ann Genet** 1990;33(3):165–8 (12 ref.)

Unusual mosaic trisomy 13 through 13/13 translocation and monosomy 13 with a small ring. Jalal SM, et al. **Ann Genet** 1990;33(3):173–5 (11 ref.)

Duplication 16q12——qter arising from 3:1 segregation in a 46,XX,t(13;16) (q12;q12) mother. Pérez–Castillo A, et al. **Ann Genet** 1990;33(2):121–3 (19 ref.)

Chromosomal abnormalities in T–cell malignant lymphoma. Berger R. **Bull Cancer (Paris)** 1991;78(3):283–90 (49 ref.)

Chromosome abnormalities in cancer. Mitelman F, et al. **Cancer Detect Prev** 1990;14(5):527–37 (50 ref.)

Chromosomal abnormalities in human breast cancer. Mars WM, et al. **Cancer Metastasis Rev** 1990 Jul;9(1):35–43 (54 ref.)

Neuroblastoma: clinical significance of genetic abnormalities. Brodeur GM. **Cancer Surv** 1990;9(4):673–88 (63 ref.)

Oncogenic conversion of transcription factors by chromosomal translocations. Cleary ML. **Cell** 1991 Aug 23;66(4):619–22 (25 ref.)

Congenital cardiovascular malformations (CCVM) and structural chromosome abnormalities: a report of 9 cases and literature review. Roskes EJ, et al. **Clin Genet** 1990 Sep;38(3):198–210 (165 ref.)

Rhizomelic chondrodysplasia punctata and survival beyond one year: a review of the literature and five case reports. Wardinsky TD, et al. **Clin Genet** 1990 Aug;38(2):84–93 (21 ref.)

Old syndromes and new cytogenetics. Punnett HH, et al. **Dev Med Child Neurol** 1990 Sep;32(9):824–31 (32 ref.)

Genetic imprinting in clinical genetics. Clarke A. **Dev Suppl** 1990;:131–9 (75 ref.)

How imprinting is relevant to human disease. Hall JG. **Dev Suppl** 1990;:141–8 (43 ref.)

Chromosome abnormalities and gamete production in man. Fraccaro M. **Differentiation** 1983;23 Suppl:S40–3 (12 ref.)

Cerebral midline developmental anomalies: spectrum and associated features. Delezoide AL, et al. **Genet Couns** 1990; 1(3–4):197–210 (22 ref.)

Chromosomal abnormalities in adult non–endemic Burkitt's lymphoma and leukemia: 22 new reports and a review of 148 cases from the literature. Kornblau SM, et al. **Hematol Oncol** 1991 Mar–Apr;9(2):63–78 (80 ref.)

Cytogenetic abnormalities and molecular markers of acute lymphoblastic leukemia. Heerema NA. **Hematol Oncol Clin North Am** 1990 Aug;4(4):795–820 (151 ref.)

Cytogenetic studies in male infertility: a review. De Braekeleer M, et al. **Hum Reprod** 1991 Feb;6(2):245–50 (86 ref.)

Iris coloboma, ptosis, hypertelorism, and mental retardation: a new syndrome possibly localised on chromosome 2. Pallotta R. **J Med Genet** 1991 May;28(5):342–4 (7 ref.)

Chromosome abnormalities in human cancer and leukemia. Sandberg AA. **Mutat Res** 1991 Apr;247(2):231–40 (13 ref.)

A cytogenetic study of spontaneous abortions with direct analysis of chorionic villi. Ohno M, et al. **Obstet Gynecol** 1991 Mar;77(3):394–8 (11 ref.)

The chromosome, its anatomy, and its aberrations. Yang–Feng TL. **Res Publ Assoc Res Nerv Ment Dis** 1991; 69:19–38 (84 ref.)

[Gene heterogeneity in adrenal 21–hydroxylase] Morel Y. **Presse Med** 1991 May 25;20(20):945–9 (11 ref.) (Eng. Abstr.) **(Fre)**

[Incidence of structural chromosomal abnormalities in spermatogenesis in man] Luciani JM, et al. **Reprod Nutr Dev** 1990;Suppl 1:95s–103s (49 ref.) (Eng. Abstr.) **(Fre)**

[Chromosome abnormalities of the fertilized human egg] Plachot M, et al. **Reprod Nutr Dev** 1990;Suppl 1:83s–88s (25 ref.) (Eng. Abstr.) **(Fre)**

[Osteoglophonic skeletal dysplasia—a variant of generalized fibrous dysplasia? Case report and review of the literature] Stöss H, et al. **Pathologe** 1991 May;12(3):161–6 (9 ref.) **(Ger)**

[Genetically–induced deficiency of alpha 1–antitrypsin and diseases of the lung—current assessment and perspectives] Stobernack A, et al. **Z Arztl Fortbild (Jena)** 1990; 84(22):1144–8 (20 ref.) **(Ger)**

[Early detection of hereditary hemochromatosis and Wilson's disease] Niederau C, et al. **Z Gastroenterol Verh** 1991 Mar; 26:82–7 (29 ref.) **(Ger)**

[Public health aspects of the Martin–Bell syndrome] Horváth M, et al. **Orv Hetil** 1990 Dec 16;131(50):2757–8, 2761 (13 ref.) (Eng. Abstr.) **(Hun)**

METABOLISM

How proteins are altered in genetic disease: an overview. McInnes RR. **Semin Perinatol** 1991 Feb;15(1 Suppl 1):16–30 (39 ref.)

PATHOLOGY

Second case report of del(4) (q25q27) and review of the literature. Raczenbek C, et al. **Clin Genet** 1991 Jun; 39(6):463–6 (9 ref.)

Pathology of abortion: chromosomal and genetic correlations. Kalousek DK. **Monogr Pathol** 1991; (33):228–56 (99 ref.)

Gonadal pathology of genetically determined diseases. Scully RE. **Monogr Pathol** 1991;(33):257–85 (61 ref.)

[Study of the relations between small cell lung cancer and the APUd system based on the analysis of clinical, biological and molecular–genetic properties] Słodkowska J. **Postepy Hig Med Dosw** 1989;43(5–6):499–510 (77 ref.) (Eng. Abstr.) **(Pol)**

ULTRASONOGRAPHY

Fetal abdominal abnormalities associated with genetic syndromes. Hirata GI, et al. **Clin Perinatol** 1990 Sep; 17(3):675–702 (93 ref.)

VETERINARY

[Consequences of abnormalities of chromosome structure in domestic animals] Popescu CP. **Reprod Nutr Dev** 1990; Suppl 1:105s–116s (19 ref.) (Eng. Abstr.) **(Fre)**

CHROMOSOME BANDING

METHODS

Chromosome preparation and high resolution banding (review). Rønne M. **In Vivo** 1990 Nov–Dec;4(6):337–65 (354 ref.)

CHROMOSOME DELETION

Interstitial deletion of long arm of chromosome 2(q31q33). Hiroyama Y, et al. **Acta Paediatr Jpn** 1990 Oct;32(5):563–5 (10 ref.)

Deletion of 16q with prolonged survival and unusual radiographic manifestations. Casamassima AC, et al. **Am J Med Genet** 1990 Dec;37(4):504–9 (18 ref.)

A child with multiple congenital anomalies and karyotype 46,XY,del(14)(q31q32.3): further delineation of chromosome 14 interstitial deletion syndrome. Gorski JL, et al. **Am J Med Genet** 1990 Dec;37(4):471–4 (6 ref.)

Partial deletion of chromosome 6p: delineation of the syndrome. Palmer CG, et al. **Am J Med Genet** 1991 May 1;39(2):155–60 (24 ref.)

Sexual discordance in monozygotic twins. Perlman EJ, et al. **Am J Med Genet** 1990 Dec;37(4):551–7 (42 ref.)

Phenotypic and phoniatric findings in mosaic cri du chat syndrome. Romano C, et al. **Am J Med Genet** 1991 Jun 15;39(4):391–5 (16 ref.)

Interstitial deletion of 4(q21q25) in a liveborn male. Rose NC, et al. **Am J Med Genet** 1991 Jul 1;40(1):77–9 (7 ref.)

Interstitial deletion of the band 4p15.3 defined by sequential replication banding. Davies J, et al. **Ann Genet** 1990; 33(2):92–5 (5 ref.)

The chromosome–breakage syndromes: rare disorders that provide models for studying somatic mutation. German J. **Birth Defects** 1990;26(1):85–111 (68 ref.)

Prader–Willi syndrome and Robertsonian translocations involving chromosome 15. Casamassima AC, et al. **Clin Genet** 1991 Apr;39(4):294–7 (15 ref.)

Second case report of del(4) (q25q27) and review of the literature. Raczenbek C, et al. **Clin Genet** 1991 Jun; 39(6):463–6 (9 ref.)

Report of the committee on clinical disorders and chromosomal deletion syndromes. Frezal J, et al. **Cytogenet Cell Genet** 1990;55(1–4):321–57 (826 ref.)

Heart disease associated with deletion of the short arm of chromosome 18. Movahhedian HR, et al. **Del Med J** 1991 May;63(5):285–9 (25 ref.)

How imprinting is relevant to human disease. Hall JG. **Dev Suppl** 1990;:141–8 (43 ref.)

Gene deletions in the human immunoglobulin heavy chain constant region locus: molecular and immunological analysis. Lefranc MP, et al. **Immunodefic Rev** 1991; 2(4):265–81 (63 ref.)

Tumor suppressor genes: studies with hybrid mouse cells. Harris H. **Immunol Ser** 1990;51:1–13 (40 ref.)

Alagille syndrome and deletion of 20p. Anad F, et al. **J Med Genet** 1990 Dec;27(12):729–37 (15 ref.)

Interstitial deletion of the long arm of chromosome 18, del(18)(q12.2q21.1): a report of three cases of an autosomal deletion with a mild phenotype. Schinzel A, et al. **J Med Genet** 1991 May;28(5):352–5 (4 ref.)

Random walking. Can large insertions and deletions between genes affect development? Zuckerkandl E. **J Mol Evol** 1990 Sep;31(3):161–2 (20 ref.)

Clinical and prognostic implications of chromosome 5q deletions: 96 high resolution studied patients. Pedersen B, et al. **Leukemia** 1991 Jul;5(7):566–73 (25 ref.)

Wolf syndrome. Katz DS, et al. **Pediatr Radiol** 1991; 21(5):369–72 (16 ref.)

Gene regulation within the TCR–alpha/delta locus by specific deletion of the TCR–delta cluster. de Villartay JP, et al. **Res Immunol** 1990 Sep;141(7):618–23 (23 ref.)

[The Angelman syndrome. Does the phenotype depend on maternal inheritance?] Lund AM. **Ugeskr Laeger** 1991 Jul 8;153(28):1993–8 (30 ref.) (Eng. Abstr.) **(Dan)**

[Multiple genetic alterations in primary breast cancer] Nakamura Y, et al. **Nippon Rinsho** 1991 Apr;49(4):975–82 (22 ref.) **(Jpn)**

CHROMOSOME FRAGILE SITES

Fragile sites, genomic rearrangements and cancer predisposition. Yunis JJ. **Birth Defects** 1990;26(1):67–83 (64 ref.)

Familial fragile secondary constriction on chromosome 2 (2q11) with unusual features and psychomotor retardation. Murthy DS, et al. **Indian J Pediatr** 1990 Mar–Apr; 57(2):257–60 (12 ref.)

CHROMOSOME MAPPING

Localizing the genes for ataxia–telangiectasia: a human model for inherited cancer susceptibility. Gatti RA. **Adv Cancer Res** 1991;56:77–104 (135 ref.)

The topology of meiotic chiasmata prevents terminalization. Hultén MA. **Ann Hum Genet** 1990 Oct;54 (Pt 4):307–14

(33 ref.)
Genetics of diabetes. Trans-racial gene mapping studies. Mijovic CH, et al. **Baillieres Clin Endocrinol Metab** 1991 Jun;5(2):321–40 (84 ref.)
Genome mapping: PCR based meiotic and somatic cell hybrid analysis. Cox RD, et al. **Bioessays** 1991 Apr; 13(4):193–8 (21 ref.)
At the crossroads of developmental genetics: the cloning of the classical mouse T locus. Silver LM. **Bioessays** 1990 Aug;12(8):377–80 (33 ref.)
The use of comparative mapping to identify loci involved in human carcinogenesis. Roderick TH, et al. **Birth Defects** 1990;26(1):141–78 (150 ref.)
Charles S. Mott Prize. Seeking tumor genes with DNA technology. White RL. **Cancer** 1991 May 15;67(10):2436–8 (8 ref.)
Multiple endocrine neoplasia. Larsson C, et al. **Cancer Surv** 1990;9(4):703–23 (74 ref.)
Progress towards the isolation and characterization of the genes causing neurofibromatosis. Menon AG, et al. **Cancer Surv** 1990;9(4):689–702 (34 ref.)
Report of the committee on the genetic constitution of chromosome 5. Bishop DT, et al. **Cytogenet Cell Genet** 1990;55(1–4):111–7 (68 ref.)
Report of the committee on the genetic constitution of chromosome 13. Bowcock AM, et al. **Cytogenet Cell Genet** 1990;55(1–4):177–82 (69 ref.)
Report of the committee on the genetic constitution of chromosome 1. Bruns GA, et al. **Cytogenet Cell Genet** 1990; 55(1–4):77–85 (86 ref.)
Report of the committee on the genetic constitution of chromosome 21. Cox DR, et al. **Cytogenet Cell Genet** 1990; 55(1–4):235–44 (75 ref.)
Report of the committee on the genetic constitution of chromosome 14. Cox DW, et al. **Cytogenet Cell Genet** 1990; 55(1–4):183–8 (43 ref.)
Report of the committee on the genetic constitution of chromosome 12. Craig IW, et al. **Cytogenet Cell Genet** 1990; 55(1–4):170–6 (44 ref.)
Report of the committee on the genetic constitution of the X chromosome. Davies KE, et al. **Cytogenet Cell Genet** 1990;55(1–4):254–313 (632 ref.)
Report of the comparative subcommittee for human and mouse homologies. Davisson MT, et al. **Cytogenet Cell Genet** 1990;55(1–4):434–56 (344 ref.)
Report of the committee on the genetic constitution of chromosome 8. Donis-Keller H, et al. **Cytogenet Cell Genet** 1990;55(1–4):128–35 (73 ref.)
Report of the committee on the genetic constitution of chromosome 15. Donlon TA, et al. **Cytogenet Cell Genet** 1990;55(1–4):189–93 (44 ref.)
Report of the committee on the genetic constitution of chromosome 22. Emanuel BS, et al. **Cytogenet Cell Genet** 1990;55(1–4):245–53 (50 ref.)
Report of the committee on clinical disorders and chromosomal deletion syndromes. Frezal J, et al. **Cytogenet Cell Genet** 1990;55(1–4):321–57 (826 ref.)
Report of the committee on the genetic constitution of chromosome 20. Grzeschik KH, et al. **Cytogenet Cell Genet** 1990;55(1–4):229–34 (52 ref.)
Report of the committee on the genetic constitution of chromosome 11. Junien C, et al. **Cytogenet Cell Genet** 1990; 55(1–4):153–69 (286 ref.)
Report of the committee on linkage and gene order. Keats BJ, et al. **Cytogenet Cell Genet** 1990;55(1–4):387–94 (21 ref.)
Report of the committee on the genetic constitution of chromosome 18. Le Beau MM, et al. **Cytogenet Cell Genet** 1990;55(1–4):216–7 (10 ref.)
Report of the committee on chromosome changes in neoplasia. Mitelman F, et al. **Cytogenet Cell Genet** 1990; 55(1–4):358–86 (418 ref.)
Report of the committee on the genetic constitution of chromosome 4. Murray JC, et al. **Cytogenet Cell Genet** 1990;55(1–4):97–110 (203 ref.)
Report of the committee on the genetic constitution of chromosome 3. Naylor SL, et al. **Cytogenet Cell Genet** 1990; 55(1–4):92–6 (32 ref.)
Report of the committee on comparative gene mapping. O'Brien SJ, et al. **Cytogenet Cell Genet** 1990;55(1–4):406–33 (13 ref.)
Report of the committee on the genetic constitution of chromosome 9. Povey S, et al. **Cytogenet Cell Genet** 1990; 55(1–4):136–41 (54 ref.)
Report of the committee on the genetic constitution of chromosome 16. Reeders ST, et al. **Cytogenet Cell Genet** 1990;55(1–4):194–7 (30 ref.)
Report of the committee on the genetic constitution of chromosome 19. Ropers HH, et al. **Cytogenet Cell Genet** 1990;55(1–4):218–28 (115 ref.)
Report of the committee on the genetic constitution of chromosome 10. Simpson NE, et al. **Cytogenet Cell Genet** 1990;55(1–4):142–52 (106 ref.)
Report of the committee on the genetic constitution of chromosome 17. Solomon E, et al. **Cytogenet Cell Genet** 1990;55(1–4):198–215 (85 ref.)
Report of the committee on the genetic constitution of chromosome 2. Spurr NK, et al. **Cytogenet Cell Genet** 1990; 55(1–4):86–91 (54 ref.)
Report of the committee on the genetic constitution of chromosome 7. Tsui LC, et al. **Cytogenet Cell Genet** 1990; 55(1–4):122–7 (43 ref.)
Report of the committee on the genetic constitution of the Y chromosome. Weissenbach J, et al. **Cytogenet Cell Genet** 1990;55(1–4):314–20 (65 ref.)
Report of the committee on the genetic constitution of chromosome 6. Ziegler A, et al. **Cytogenet Cell Genet** 1990; 55(1–4):118–21 (33 ref.)
Mapping genes in diabetes. Genetic epidemiological perspective. Rich SS. **Diabetes** 1990 Nov;39(11):1315–9 (23 ref.)
Gene mapping in the idiopathic generalized epilepsies: juvenile myoclonic epilepsy, childhood absence epilepsy, epilepsy with grand mal seizures, and early childhood myoclonic epilepsy. Delgado-Escueta AV, et al. **Epilepsia** 1990;31 Suppl 3:S19–29 (47 ref.)
Gene mapping and other tools for discovery. Leppert MF. **Epilepsia** 1990;31 Suppl 3:S11–8 (28 ref.)
New techniques for physical mapping of the human genome. Billings PR, et al. **FASEB J** 1991 Jan;5(1):28–34 (75 ref.)
Current trends in mapping human genes. McKusick VA. **FASEB J** 1991 Jan;5(1):12–20 (20 ref.)
Implications of genetic markers and maps for veterinary medicine. Troyer DL, et al. **J Am Vet Med Assoc** 1990 Nov 15;197(10):1376–80 (35 ref.)
Determinants of DNA sequence divergence between Escherichia coli and Salmonella typhimurium: codon usage, map position, and concerted evolution. Sharp PM. **J Mol Evol** 1991 Jul;33(1):23–33 (55 ref.)
Tracing disease genes through family studies. Steel CM. **J Pathol** 1990 Sep;162(1):7–13 (8 ref.)
Clustering of features of von Hippel–Lindau syndrome: evidence for a complex genetic locus [see comments] Neumann HP, et al. **Lancet** 1991 May 4;337(8749):1052–4 (24 ref.) Comment in: Lancet 1991 Jun 15;337(8755):1477–9.
Mapping brain genes. Nicholson GA. **Med J Aust** 1991 Jan 7;154(1):7–9 (14 ref.)
Properties and applications of human DNA repair genes. Thompson LH. **Mutat Res** 1991 Apr;247(2):213–9 (25 ref.)
Molecular mapping of the Down syndrome phenotype. Korenberg JR. **Prog Clin Biol Res** 1990;360:105–15 (18 ref.)
The search for the genetic defects in Huntington's disease and familial Alzheimer's disease. Gusella JF. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:75–83 (34 ref.)
The chromosome, its anatomy, and its aberrations. Yang-Feng TL. **Res Publ Assoc Res Nerv Ment Dis** 1991; 69:19–38 (84 ref.)
Overview of flavivirus molecular biology and future vaccine development via recombinant DNA. Rice CM. **Southeast Asian J Trop Med Public Health** 1990 Dec; 21(4):670–7 (54 ref.)
Development and applications of a molecular genetic linkage map of the mouse genome. Copeland NG, et al. **Trends Genet** 1991 Apr;7(4):113–8 (54 ref.)
Genetic mapping of common diseases: the challenges of manic-depressive illness and schizophrenia. Gershon ES, et al. **Trends Genet** 1990 Sep;6(9):282–7 (35 ref.)
Integrated maps of the Drosophila genome: progress and prospects. Kafatos FC, et al. **Trends Genet** 1991 May; 7(5):155–61 (14 ref.)
Molecular analysis of the pathogenesis of beta-cell destruction in insulin-dependent diabetes mellitus. Lernmark A, et al. **West J Med** 1990 Nov;153(5):499–502 (26 ref.)
[The k-locus of human immunoglobulin and its significance for other programs studying the human genome] Zachau HG. **Mol Biol (Mosk)** 1990 Nov–Dec;24(6):1474–83 (21 ref.) (Eng. Abstr.) **(Rus)**
[The study of the human genome in pediatrics today] Cruz M. **An Esp Pediatr** 1990 Nov;33 Suppl 42:77–91 (25 ref.) (Eng. Abstr.) **(Spa)**

METHODS

Genetic mapping by single sperm typing. Arnheim N, et al. **Anim Genet** 1991;22(2):105–15 (23 ref.)
Identifying genes within the genome: new ways for finding the needle in a haystack. Hochgeschwender U, et al. **Bioessays** 1991 Mar;13(3):139–44 (19 ref.)
Dermatology and the human gene map. Moss C. **Br J Dermatol** 1991 Jan;124(1):3–9 (23 ref.)
Analysis of genes and chromosomes by nonisotopic in situ hybridization. Lichter P, et al. **Genet Anal Tech Appl** 1991 Feb;8(1):24–35 (165 ref.)
Localizing DNA and RNA within nuclei and chromosomes by fluorescence in situ hybridization. McNeil JA, et al. **Genet Anal Tech Appl** 1991 Apr;8(2):41–58 (94 ref.)
Chromosomal in situ hybridization using yeast artificial chromosomes. Selleri L, et al. **Genet Anal Tech Appl** 1991 Apr;8(2):59–66 (42 ref.)
PCR analysis of DNA sequences in single cells: single sperm gene mapping and genetic disease diagnosis. Arnheim N, et al. **Genomics** 1990 Nov;8(3):415–9 (18 ref.)
Flow cytogenetics and chromosome sorting. Cram LS. **Hum Cell** 1990 Jun;3(2):99–106 (21 ref.)
Analysing and sorting human chromosomes. Green DK. **J Microsc** 1990 Sep;159 (Pt 3):237–44 (26 ref.)
Detailed genetic linkage map of human chromosome 21: patterns of recombination according to age and sex. Tanzi RE, et al. **Prog Clin Biol Res** 1990;360:15–26 (20 ref.)
Chemical mutagenesis and fine-structure functional analysis of the mouse genome. Rinchik EM. **Trends Genet** 1991 Jan;7(1):15–21 (45 ref.)
Yeast artificial chromosomes: tools for mapping and analysis of complex genomes. Schlessinger D. **Trends Genet** 1990 Aug;6(8):248, 255–8 (43 ref.)
[Cytogenetics: from microscope to human genome mapping] Bernheim A. **Bull Cancer (Paris)** 1991 Jan;78(1):41–7 (28 ref.) **(Fre)**
[In situ hybridization in human genome mapping] Gindilis VM, et al. **Tsitol Genet** 1991 Mar–Apr;25(2):58–65 (61 ref.) (Eng. Abstr.) **(Rus)**

CHROMOSOME MARKERS see **GENETIC MARKERS**

CHROMOSOME WALKING

Random walking. Can large insertions and deletions between genes affect development? Zuckerkandl E. **J Mol Evol** 1990 Sep;31(3):161–2 (20 ref.)

CHROMOSOME 1 see **CHROMOSOMES, HUMAN, PAIR 1**

CHROMOSOME 2 see **CHROMOSOMES, HUMAN, PAIR 2**

CHROMOSOME 3 see **CHROMOSOMES, HUMAN, PAIR 3**

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CHROMOSOME 20 see **CHROMOSOMES, HUMAN, PAIR 20**

CHROMOSOME 21 see **CHROMOSOMES, HUMAN, PAIR 21**

CHROMOSOME 22 see **CHROMOSOMES, HUMAN, PAIR 22**

CHROMOSOMES

The role of telomeres in poxvirus DNA replication. DeLange AM, et al. **Curr Top Microbiol Immunol** 1990;163:71–92 (108 ref.)
Regulation of fission yeast mating-type interconversion by chromosome imprinting. Klar AJ. **Dev Suppl** 1990;:3–8 (27 ref.)
Heterochromatization and euchromatization of whole genomes in scale insects (Coccoidea: Homoptera). Nur U. **Dev Suppl** 1990;:29–34 (27 ref.)
Genomic imprinting and nuclear totipotency during embryonic development. Howlett SK. **Int Rev Cytol** 1991; 127:175–92 (76 ref.)

CHEMISTRY

Restriction endonucleases in the study of eukaryotic chromosomes. López-Fernández C, et al. **Genetica** 1991; 83(3):257–74 (97 ref.)

METABOLISM

Grammatical analysis of DNA sequences provides a rationale for the regulatory control of an entire chromosome. Ohno S. **Genet Res** 1990 Oct-Dec;56(2-3):115-20 (7 ref.)

PHYSIOLOGY

Position effects on eukaryotic gene expression. Wilson C, et al. **Annu Rev Cell Biol** 1990;6:679-714 (170 ref.)
Telomeres, telomerase and senescence. Greider CW. **Bioessays** 1990 Aug;12(8):363-9 (58 ref.)
Distributive segregation: motors in the polar wind? Carpenter AT. **Cell** 1991 Mar 8;64(5):885-90 (28 ref.)
Dynamic instability of chromosomes and genomes. Pardue ML. **Cell** 1991 Aug 9;66(3):427-31 (34 ref.)
Telomeres. Greider CW. **Curr Opin Cell Biol** 1991 Jun; 3(3):444-51 (78 ref.)
Origins of replication: timing and chromosomal position. Hamlin JL, et al. **Curr Opin Cell Biol** 1991 Jun;3(3):414-21 (47 ref.)
Mitosis: towards a molecular understanding of chromosome behavior. Rieder CL. **Curr Opin Cell Biol** 1991 Feb; 3(1):59-66 (50 ref.)
Autosomal and X-chromosome imprinting. Cattanach BM, et al. **Dev Suppl** 1990;:63-72 (60 ref.)
Genetic imprinting in clinical genetics. Clarke A. **Dev Suppl** 1990;:131-9 (75 ref.)
Genomic imprinting and allelic exclusion. Holliday R. **Dev Suppl** 1990;:125-9 (31 ref.)
Genome imprinting and development in the mouse. Surani MA, et al. **Dev Suppl** 1990;:89-98 (59 ref.)
The initiation of meiotic chromosome pairing: the cytological view. Loidl J. **Genome** 1990 Dec;33(6):759-78 (138 ref.)
DNA methylation in eukaryotic chromosome stability. Smith SS. **Mol Carcinog** 1991;4(2):91-2 (8 ref.)
Structure and function of telomeres. Blackburn EH. **Nature** 1991 Apr 18;350(6319):569-73 (74 ref.)
B-chromosomes: germ-line parasites which induced changes in host recombination. Bell G, et al. **Parasitology** 1990;100 Suppl:S19-26 (64 ref.)
Chromosome synapsis and genetic recombination: their roles in meiotic chromosome segregation. Roeder GS. **Trends Genet** 1990 Dec;6(12):385-9 (33 ref.)

ULTRASTRUCTURE

The topology of meiotic chiasmata prevents terminalization. Hultén MA. **Ann Hum Genet** 1990 Oct;54 (Pt 4):307-14 (33 ref.)
Ultrastructure of somatic and meiotic nucleoids. Glazkov MV. **Electron Microsc Rev** 1989;2(2):197-229 (122 ref.)
Chromosome topology in mammalian interphase nuclei. Haaf T, et al. **Exp Cell Res** 1991 Feb;192(2):325-32 (87 ref.)
Chromosome preparation and high resolution banding (review). Rønne M. **In Vivo** 1990 Nov-Dec;4(6):337-65 (354 ref.)
What is a chromosome? Park M. **J Pathol** 1991 Mar; 163(3):185-9 (10 ref.)
From gene to chromosome: organization levels defined by the interplay of transcription and replication in vertebrates. Herbomel P. **New Biol** 1990 Nov;2(11):937-45 (73 ref.)
Chromosomal evolution and speciation in primates. Rumpler Y, et al. **Revis Biol Celular** 1990;23:1-112 (176 ref.)
A view of interphase chromosomes. Manuelidis L. **Science** 1990 Dec 14;250(4987):1533-40 (72 ref.)
Nuclear architecture in plants. Heslop-Harrison JS, et al. **Trends Genet** 1990 Dec;6(12):401-5 (34 ref.)
The functional organization of chromosomes and the nucleus--a special issue. Stewart A. **Trends Genet** 1990 Dec;6(12):377-9 (13 ref.)
Centromeres of mammalian chromosomes. Willard HF. **Trends Genet** 1990 Dec;6(12):410-6 (42 ref.)
[Molecular biology in gastroenterology. 1. Genes and DNA recombinant techniques] González L, et al. **Rev Gastroenterol Mex** 1990 Apr-Jun;55(2):91-100 (9 ref.) **(Spa)**

CHROMOSOMES, BACTERIAL

Large plasmids in bacteria. Part 2. Genetics and evolution. Hardman DJ, et al. **Microbiol Sci** 1985 Jun;2(6):184-90 (75 ref.)
[Factors for activation of the replication origin of the E. coli chromosome] Asai T. **Idengaku Zasshi** 1991 Feb; 66(1):85-107 (46 ref.) **(Jpn)**

CHEMISTRY

Organization of the bacterial chromosome. Krawiec S, et al. **Microbiol Rev** 1990 Dec;54(4):502-39 (388 ref.)

CHROMOSOMES D see CHROMOSOMES, HUMAN, 13-15

CHROMOSOMES, FUNGAL

YAC cloning: options and problems. Burke DT. **Genet Anal Tech Appl** 1990 Sep;7(5):94-9 (34 ref.)
YAC cloning of DNA embedded in an agarose matrix. McCormick MK, et al. **Genet Anal Tech Appl** 1990 Sep; 7(5):114-8 (21 ref.)
Current methods for YAC clone characterization. Nelson DL. **Genet Anal Tech Appl** 1990 Sep;7(5):100-6 (27 ref.)
Chromosomal in situ hybridization using yeast artificial chromosomes. Selleri L, et al. **Genet Anal Tech Appl** 1991 Apr;8(2):59-66 (42 ref.)
Genetic and physical maps of Saccharomyces cerevisiae. Mortimer RK, et al. **Methods Enzymol** 1991;194:827-63 (191 ref.)
Yeast artificial chromosomes: tools for mapping and analysis of complex genomes. Schlessinger D. **Trends Genet** 1990 Aug;6(8):248, 255-8 (43 ref.)

ULTRASTRUCTURE

Centromere structure and function in budding and fission yeasts [published erratum appears in New Biol 1990 Mar;2(3):preceding 207] Carbon J, et al. **New Biol** 1990 Jan;2(1):10-9 (58 ref.)

CHROMOSOMES G see CHROMOSOMES, HUMAN, 21-22

CHROMOSOMES, HUMAN

Fragile sites, genomic rearrangements and cancer predisposition. Yunis JJ. **Birth Defects** 1990;26(1):67-83 (64 ref.)
Chromosomal aspects of human oncogenesis. Dal Cin P, et al. **Crit Rev Oncog** 1989;1(2):113-26 (130 ref.)
Report of the committee on clinical disorders and chromosomal deletion syndromes. Frezal J, et al. **Cytogenet Cell Genet** 1990;55(1-4):321-57 (826 ref.)
Report of the committee on linkage and gene order. Keats BJ, et al. **Cytogenet Cell Genet** 1990;55(1-4):387-94 (21 ref.)
Report of the committee on chromosome changes in neoplasia. Mitelman F, et al. **Cytogenet Cell Genet** 1990; 55(1-4):358-86 (418 ref.)
Report of the committee on comparative gene mapping. O'Brien SJ, et al. **Cytogenet Cell Genet** 1990;55(1-4):406-33 (13 ref.)
Analysing and sorting human chromosomes. Green DK. **J Microsc** 1990 Sep;159 (Pt 3):237-44 (26 ref.)
A survey of the genomic distribution of alpha satellite DNA on all the human chromosomes, and derivation of a new consensus sequence. Choo KH, et al. **Nucleic Acids Res** 1991 Mar 25;19(6):1179-82 (44 ref.)

ULTRASTRUCTURE

Chromosome preparation and high resolution banding (review). Rønne M. **In Vivo** 1990 Nov-Dec;4(6):337-65 (354 ref.)
The chromosome, its anatomy, and its aberrations. Yang-Feng TL. **Res Publ Assoc Res Nerv Ment Dis** 1991; 69:19-38 (84 ref.)
[Incidence of structural chromosomal abnormalities in spermatogenesis in man] Luciani JM, et al. **Reprod Nutr Dev** 1990;Suppl 1:95s-103s (49 ref.) (Eng. Abstr.) **(Fre)**

CHROMOSOMES, HUMAN, PAIR 1

Duplication of the distal part of the long arm of chromosome 1. Johnson VP. **Am J Med Genet** 1991 Jun 1;39(3):258-69 (29 ref.)
Characterization of chromosomal anomalies in human breast cancer. A comparison of 30 paradiploid cases with few chromosome changes. Dutrillaux B, et al. **Cancer Genet Cytogenet** 1990 Oct 15;49(2):203-17 (20 ref.)
Chromosomal assignment and physical linkage of the human C8 loci: implications regarding C8 polymorphisms and deficiencies. Snider JV, et al. **Complement Inflamm** 1990; 7(4-6):298-301 (13 ref.)
Report of the committee on the genetic constitution of chromosome 1. Bruns GA, et al. **Cytogenet Cell Genet** 1990; 55(1-4):77-85 (86 ref.)
Chromosome imbalance, normal phenotype, and imprinting. Bortotto L, et al. **J Med Genet** 1990 Sep;27(9):582-7 (35 ref.)
Hereditary motor and sensory neuropathies. Vance JM. **J Med Genet** 1991 Jan;28(1):1-5 (42 ref.)
Is there a neuroblastoma anti-oncogene? Schwab M. **Prog Clin Biol Res** 1991;366:1-9 (15 ref.)

CHROMOSOMES, HUMAN, PAIR 2

Interstitial deletion of long arm of chromosome 2(q31q33). Hiroyama Y, et al. **Acta Paediatr Jpn** 1990 Oct;32(5):563-5 (10 ref.)
Five children with del (2)(q31q33) and one individual with dup (2)(q31q33) from a single family: review of brain, cardiac, and limb malformations. Ramer JC, et al. **Am J Med Genet** 1990 Nov;37(3):392-400 (23 ref.)
Report of the committee on the genetic constitution of chromosome 2. Spurr NK, et al. **Cytogenet Cell Genet** 1990; 55(1-4):86-91 (54 ref.)
Familial fragile secondary constriction on chromosome 2 (2q11) with unusual features and psychomotor retardation. Murthy DS, et al. **Indian J Pediatr** 1990 Mar-Apr; 57(2):257-60 (12 ref.)
Iris coloboma, ptosis, hypertelorism, and mental retardation: a new syndrome possibly localised on chromosome 2. Pallotta R. **J Med Genet** 1991 May;28(5):342-4 (7 ref.)

ULTRASTRUCTURE

t(2;18) and t(18;22) variant chromosomal translocations and bcl-2 gene rearrangements in human malignant lymphomas. Larsen CJ, et al. **Nouv Rev Fr Hematol** 1990;32(6):401-3 (10 ref.)

CHROMOSOMES, HUMAN, PAIR 3

Balanced X;3 translocation associated with gonadal dysgenesis: clinical report and review [letter] Liu J. **Am J Med Genet** 1991 Jul 1;40(1):121-3 (10 ref.)
Reciprocal translocation involving 3q21 in an unusual myeloproliferative disorder with myelodysplastic features and prominent dysmegakaryopoiesis. Cedrone M, et al. **Cancer Genet Cytogenet** 1991 Jan;51(1):73-8 (20 ref.)
Report of the committee on the genetic constitution of chromosome 3. Naylor SL, et al. **Cytogenet Cell Genet** 1990; 55(1-4):92-6 (32 ref.)
Partial 3q duplication syndrome and assignment of D3S5 to 3q25-3q28. van Essen AJ, et al. **Hum Genet** 1991 Jun; 87(2):151-4 (28 ref.)
Clustering of features of von Hippel-Lindau syndrome: evidence for a complex genetic locus [see comments] Neumann HP, et al. **Lancet** 1991 May 4;337(8749):1052-4 (24 ref.) Comment in: Lancet 1991 Jun 15;337(8755):1477-9.
[Study of the relations between small cell lung cancer and the APUd system based on the analysis of clinical, biological and molecular-genetic properties] Słodkowska J. **Postepy Hig Med Dosw** 1989;43(5-6):499-510 (77 ref.) (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

Duplication 3q(q21----qter) without limb anomalies. Ismail SR, et al. **Am J Med Genet** 1991 Mar 15;38(4):518-22 (14 ref.)

CHROMOSOMES, HUMAN, PAIR 4

Interstitial deletion of 4(q21q25) in a liveborn male. Rose NC, et al. **Am J Med Genet** 1991 Jul 1;40(1):77-9 (7 ref.)
Second case report of del(4) (q25q27) and review of the literature. Raczenbek C, et al. **Clin Genet** 1991 Jun; 39(6):463-6 (9 ref.)
Report of the committee on the genetic constitution of chromosome 4. Murray JC, et al. **Cytogenet Cell Genet** 1990;55(1-4):97-110 (203 ref.)
Secondary acute lymphoblastic leukaemia with 4:11 translocation following treatment for Hodgkin's disease: case report and review of the literature. Lennard A, et al. **Leukemia** 1991 Jul;5(7):624-7 (36 ref.)
Wolf syndrome. Katz DS, et al. **Pediatr Radiol** 1991; 21(5):369-72 (16 ref.)
The search for the genetic defects in Huntington's disease and familial Alzheimer's disease. Gusella JF. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:75-83 (34 ref.)
[4p trisomy secondary to paternal translocation t(4p-;15q+)] Saad A, et al. **Ann Pediatr (Paris)** 1991 May;38(5):350-4 (17 ref.) (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Interstitial deletion of the band 4p15.3 defined by sequential replication banding. Davies J, et al. **Ann Genet** 1990; 33(2):92-5 (5 ref.)
Leukemia characterized by multiple sub-clones with unbalanced translocations involving different telomeric segments: case report and review of the literature. Shippey CA, et al. **Genes Chromosom Cancer** 1990 May;2(1):14-7 (17 ref.)
Proposed genetic basis of Huntington's disease. Laird CD. **Trends Genet** 1990 Aug;6(8):242-7 (41 ref.)

CHROMOSOMES, HUMAN, PAIR 5

Phenotypic and phoniatric findings in mosaic cri du chat syndrome. Romano C, et al. **Am J Med Genet** 1991 Jun 15;39(4):391-5 (16 ref.)
Tandem duplication of proximal 5q. Rojas-Martinez A, et al. **Ann Genet** 1990;33(4):228-30 (11 ref.)
Trisomy 8 and an unbalanced t(5;17)(q11;p11) characterize two karyotypically independent clones in a case of idiopathic myelofibrosis evolving to acute nonlymphoid leukemia. Kerim S, et al. **Cancer Genet Cytogenet** 1991 Mar; 52(1):63-9 (26 ref.)
Report of the committee on the genetic constitution of chromosome 5. Bishop DT, et al. **Cytogenet Cell Genet** 1990;55(1-4):111-7 (68 ref.)
Clinical and prognostic implications of chromosome 5q deletions: 96 high resolution studied patients. Pedersen B, et al. **Leukemia** 1991 Jul;5(7):566-73 (25 ref.)
Doubt about evidence for a schizophrenia gene on chromosome 5 [editorial] Watt DC, et al. **Psychol Med** 1991 May;21(2):279-85 (29 ref.)
The current status of linkage studies in schizophrenia. Gelernter J, et al. **Res Publ Assoc Res Nerv Ment Dis** 1991; 69:137-52 (152 ref.)

CHROMOSOMES, HUMAN, PAIR 6

Partial deletion of chromosome 6p: delineation of the syndrome. Palmer CG, et al. **Am J Med Genet** 1991 May 1;39(2):155-60 (24 ref.)
Report of the committee on the genetic constitution of chromosome 6. Ziegler A, et al. **Cytogenet Cell Genet** 1990;

55(1–4):118–21 (33 ref.)
Partial duplication of the long arm of chromosome 6: a clinically recognisable syndrome. Pivnick EK, et al. **J Med Genet** 1990 Aug;27(8):523–6 (20 ref.)
Molecular analysis of the pathogenesis of beta-cell destruction in insulin-dependent diabetes mellitus. Lernmark A, et al. **West J Med** 1990 Nov;153(5):499–502 (26 ref.)
[Gene heterogeneity in adrenal 21-hydroxylase] Morel Y. **Presse Med** 1991 May 25;20(20):945–9 (11 ref.) (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Duplication 3q(q21——qter) without limb anomalies. Ismail SR, et al. **Am J Med Genet** 1991 Mar 15;38(4):518–22 (14 ref.)

CHROMOSOMES, HUMAN, PAIR 7

Report of the committee on the genetic constitution of chromosome 7. Tsui LC, et al. **Cytogenet Cell Genet** 1990; 55(1–4):122–7 (43 ref.)
Genetics of cystic fibrosis. Gasparini P. **Dig Dis** 1991; 9(3):179–88 (50 ref.)
Cystic fibrosis. 3. Cloning the cystic fibrosis gene: implications for diagnosis and treatment. Porteous DJ, et al. **Thorax** 1991 Jan;46(1):46–55 (61 ref.)
[DNA analysis and prenatal diagnosis in cystic fibrosis] Schnedl W, et al. **Wien Klin Wochenschr** 1991;103(2):29–33 (29 ref.) (Eng. Abstr.) **(Ger)**

CHROMOSOMES, HUMAN, PAIR 8

Trisomy 8 and an unbalanced t(5;17)(q11;p11) characterize two karyotypically independent clones in a case of idiopathic myelofibrosis evolving to acute nonlymphoid leukemia. Kerim S, et al. **Cancer Genet Cytogenet** 1991 Mar; 52(1):63–9 (26 ref.)
Trisomy 8 as a nonrandom secondary change in myxoid liposarcoma. Sreekantaiah C, et al. **Cancer Genet Cytogenet** 1991 Feb;51(2):195–205 (50 ref.)
Report of the committee on the genetic constitution of chromosome 8. Donis-Keller H, et al. **Cytogenet Cell Genet** 1990;55(1–4):128–35 (73 ref.)
Translocations t(14;18) and t(8;14) with rearranged bcl-2 and c-myc in a case presenting as B-ALL (L3). Brito-Babapulle V, et al. **Leukemia** 1991 Jan;5(1):83–7 (36 ref.)
Trisomy 8 in acute lymphoblastic leukemia (ALL): a case report and update of the literature. Garipidou V, et al. **Leukemia** 1990 Oct;4(10):717–9 (18 ref.)

CHROMOSOMES, HUMAN, PAIR 9

Adjacent-2 disjunction of a maternal t(9;22) leading to duplication 9pter——q22 and deficiency of 22pter——q11.2. Pivnick EK, et al. **Am J Med Genet** 1990 Sep;37(1):92–6 (20 ref.)
Trisomy 9 mosaicism in a girl with multiple malformations. Diaz-Mares L, et al. **Ann Genet** 1990;33(3):165–8 (12 ref.)
Chromosomal assignment and physical linkage of the human C8 loci: implications regarding C8 polymorphisms and deficiencies. Snider JV, et al. **Complement Inflamm** 1990; 7(4–6):298–301 (13 ref.)
Report of the committee on the genetic constitution of chromosome 9. Povey S, et al. **Cytogenet Cell Genet** 1990; 55(1–4):136–41 (54 ref.)
[Pericentric inversion of chromosome 9. Summary of the authors' results] Vargas de los Monteros MT, et al. **An Esp Pediatr** 1990 Nov;33(5):442–9 (37 ref.) (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Implication of prior treatment with drug combinations including inhibitors of topoisomerase II in therapy-related monocytic leukemia with a 9;11 translocation. Albain KS, et al. **Genes Chromosom Cancer** 1990 May;2(1):53–8 (42 ref.)

CHROMOSOMES, HUMAN, PAIR 10

Report of the committee on the genetic constitution of chromosome 10. Simpson NE, et al. **Cytogenet Cell Genet** 1990;55(1–4):142–52 (106 ref.)

CHROMOSOMES, HUMAN, PAIR 11

bcl-1, t(11;14), and mantle cell-derived lymphomas [editorial] Raffeld M, et al. **Blood** 1991 Jul 15;78(2):259–63 (50 ref.)
Cytogenetic analysis of primitive neuroectodermal tumors. Absence of the t(11;22) in two of three cases and a review of the literature. Gorman PA, et al. **Cancer Genet Cytogenet** 1991 Jan;51(1):13–22 (13 ref.)
Report of the committee on the genetic constitution of chromosome 11. Junien C, et al. **Cytogenet Cell Genet** 1990; 55(1–4):153–69 (286 ref.)
Mosaic 46, XY/47,XY, + der(18)t(Y;18)(q11.22;q11.2) karyotype, moderate mental retardation and non-specific dysmorphism. Fryns JP, et al. **Genet Couns** 1990;1(2):173–7 (10 ref.)
Secondary acute lymphoblastic leukaemia with 4:11 translocation following treatment for Hodgkin's disease: case report and review of the literature. Lennard A, et al. **Leukemia** 1991 Jul;5(7):624–7 (36 ref.)

ULTRASTRUCTURE

Implication of prior treatment with drug combinations including inhibitors of topoisomerase II in therapy-related monocytic leukemia with a 9;11 translocation. Albain KS, et al. **Genes Chromosom Cancer** 1990 May;2(1):53–8 (42 ref.)
Leukemia characterized by multiple sub-clones with unbalanced translocations involving different telomeric segments: case report and review of the literature. Shippey CA, et al. **Genes Chromosom Cancer** 1990 May;2(1):14–7 (17 ref.)

CHROMOSOMES, HUMAN, PAIR 12

Report of the committee on the genetic constitution of chromosome 12. Craig IW, et al. **Cytogenet Cell Genet** 1990; 55(1–4):170–6 (44 ref.)
Trisomy 12 mosaicism detected by mid-trimester amniocentesis. Petrella R, et al. **Prenat Diagn** 1990 Dec; 10(12):781–5 (15 ref.)
Trisomy 12 mosaicism in phenotypically normal fetuses following prenatal detection. Wyandt HE, et al. **Prenat Diagn** 1990 Sep;10(9):569–74 (12 ref.)

CHROMOSOMES, HUMAN, PAIR 13

Pseudo-trisomy 13 syndrome. Cohen MM Jr, et al. **Am J Med Genet** 1991 Jun 1;39(3):332–5; discussion 336–7 (16 ref.)
Prader-Willi syndrome and Robertsonian translocations involving chromosome 15. Casamassima AC, et al. **Clin Genet** 1991 Apr;39(4):294–7 (15 ref.)
Report of the committee on the genetic constitution of chromosome 13. Bowcock AM, et al. **Cytogenet Cell Genet** 1990;55(1–4):177–82 (69 ref.)
Holoprosencephaly-polydactyly ('pseudotrisomy 13') syndrome: a syndrome with features of hydrolethalus and Smith-Lemli-Opitz syndromes. A collaborative multicentre study. Verloes A, et al. **J Med Genet** 1991 May; 28(5):297–303 (34 ref.)
Duplication of the long arm of chromosome 13 secondary to a recombination in a maternal intrachromosomal insertion (shift). Vekemans M, et al. **Prenat Diagn** 1990 Dec;10(12):787–94 (22 ref.)

ULTRASTRUCTURE

Unusual mosaic trisomy 13 through 13/13 translocation and monosomy 13 with a small ring. Jalal SM, et al. **Ann Genet** 1990;33(3):173–5 (11 ref.)
Duplication 16q12——qter arising from 3:1 segregation in a 46,XX,t(13;16) (q12;q12) mother. Pérez-Castillo A, et al. **Ann Genet** 1990;33(2):121–3 (19 ref.)

CHROMOSOMES, HUMAN, PAIR 14

A child with multiple congenital anomalies and karyotype 46,XY,del(14)(q31q32.3): further delineation of chromosome 14 interstitial deletion syndrome. Gorski JL, et al. **Am J Med Genet** 1990 Dec;37(4):471–4 (6 ref.)
Trisomy 14 mosaicism in a 5-year-old boy. Vachvanichsanong P, et al. **Am J Med Genet** 1991 Jul 1; 40(1):80–3 (37 ref.)
Paracentric inversion 14. Miller K, et al. **Ann Genet** 1990; 33(4):225–7 (16 ref.)
bcl-1, t(11;14), and mantle cell-derived lymphomas [editorial] Raffeld M, et al. **Blood** 1991 Jul 15;78(2):259–63 (50 ref.)
The 14;18 translocation in European cases of follicular lymphoma: comparison of Southern blotting and the polymerase chain reaction. Pezzella F, et al. **Br J Haematol** 1990 Sep;76(1):58–64 (14 ref.)
Cytogenetic implication in adult T-cell leukemia. A hypothesis of leukemogenesis. Sadamori N. **Cancer Genet Cytogenet** 1991 Jan;51(1):131–6 (39 ref.)
Report of the committee on the genetic constitution of chromosome 14. Cox DW, et al. **Cytogenet Cell Genet** 1990; 55(1–4):183–8 (43 ref.)
Distal trisomy 14q. I. Clinical and cytogenetical studies. Gilgenkrantz S, et al. **Hum Genet** 1990 Oct;85(6):612–6 (22 ref.)
Translocations t(14;18) and t(8;14) with rearranged bcl-2 and c-myc in a case presenting as B-ALL (L3). Brito-Babapulle V, et al. **Leukemia** 1991 Jan;5(1):83–7 (36 ref.)
De novo acute B-cell leukemia with translocation t(14;18): an entity with a poor prognosis. Kramer MH, et al. **Leukemia** 1991 Jun;5(6):473–8 (23 ref.)

ULTRASTRUCTURE

The bcl-2 gene and 14;18 translocation in lymphoproliferative disorders. Pezzella F, et al. **Nouv Rev Fr Hematol** 1990;32(6):397–9 (14 ref.)

CHROMOSOMES, HUMAN, PAIR 15

Nonreciprocal and jumping translocations of 15q1——qter in Prader-Willi syndrome. Rivera H, et al. **Am J Med Genet** 1990 Nov;37(3):311–7 (63 ref.)
Rearrangement of chromosome 15 in the region q11.2——q12 in an individual with obesity syndrome and her normal mother. Shohat M, et al. **Am J Med Genet** 1990 Oct; 37(2):173–7 (22 ref.)
Prader-Willi syndrome and Robertsonian translocations involving chromosome 15. Casamassima AC, et al. **Clin Genet** 1991 Apr;39(4):294–7 (15 ref.)
Report of the committee on the genetic constitution of chromosome 15. Donlon TA, et al. **Cytogenet Cell Genet** 1990;55(1–4):189–93 (44 ref.)
[The Angelman syndrome. Does the phenotype depend on maternal inheritance?] Lund AM. **Ugeskr Laeger** 1991 Jul 8;153(28):1993–8 (30 ref.) (Eng. Abstr.) **(Dan)**

CHROMOSOMES, HUMAN, PAIR 16

Deletion of 16q with prolonged survival and unusual radiographic manifestations. Casamassima AC, et al. **Am J Med Genet** 1990 Dec;37(4):504–9 (18 ref.)
Characterization of chromosomal anomalies in human breast cancer. A comparison of 30 paradiploid cases with few chromosome changes. Dutrillaux B, et al. **Cancer Genet Cytogenet** 1990 Oct 15;49(2):203–17 (20 ref.)
Report of the committee on the genetic constitution of chromosome 16. Reeders ST, et al. **Cytogenet Cell Genet** 1990;55(1–4):194–7 (30 ref.)

ULTRASTRUCTURE

Autosomal dominant polycystic kidney disease--more than a renal disease. Gabow PA. **Am J Kidney Dis** 1990 Nov; 16(5):403–13 (98 ref.)
Duplication 16q12——qter arising from 3:1 segregation in a 46,XX,t(13;16) (q12;q12) mother. Pérez-Castillo A, et al. **Ann Genet** 1990;33(2):121–3 (19 ref.)

CHROMOSOMES, HUMAN, PAIR 17

Trisomy 8 and an unbalanced t(5;17)(q11;p11) characterize two karyotypically independent clones in a case of idiopathic myelofibrosis evolving to acute nonlymphoid leukemia. Kerim S, et al. **Cancer Genet Cytogenet** 1991 Mar; 52(1):63–9 (26 ref.)
Progress towards the isolation and characterization of the genes causing neurofibromatosis. Menon AG, et al. **Cancer Surv** 1990;9(4):689–702 (34 ref.)
Report of the committee on the genetic constitution of chromosome 17. Solomon E, et al. **Cytogenet Cell Genet** 1990;55(1–4):198–215 (85 ref.)
Hereditary motor and sensory neuropathies. Vance JM. **J Med Genet** 1991 Jan;28(1):1–5 (42 ref.)
[A case of 17q distal trisomy associated with epilepsy] Kurihara M. **No To Hattatsu** 1991 Mar;23(2):210–2 (4 ref.) **(Jpn)**

CHROMOSOMES, HUMAN, PAIR 18

The 14;18 translocation in European cases of follicular lymphoma: comparison of Southern blotting and the polymerase chain reaction. Pezzella F, et al. **Br J Haematol** 1990 Sep;76(1):58–64 (14 ref.)
Trisomy 18 and 18p- features in a case of isochromosome 18q [46,XY,i(18q)]: prenatal diagnosis and autopsy report. Wurster-Hill DH, et al. **Clin Genet** 1991 Feb;39(2):142–8 (19 ref.)
Report of the committee on the genetic constitution of chromosome 18. Le Beau MM, et al. **Cytogenet Cell Genet** 1990;55(1–4):216–7 (10 ref.)
Heart disease associated with deletion of the short arm of chromosome 18. Movahhedian HR, et al. **Del Med J** 1991 May;63(5):285–9 (25 ref.)
Mosaic 46, XY/47,XY, + der(18)t(Y;18)(q11.22;q11.2) karyotype, moderate mental retardation and non-specific dysmorphism. Fryns JP, et al. **Genet Couns** 1990;1(2):173–7 (10 ref.)
Translocations t(14;18) and t(8;14) with rearranged bcl-2 and c-myc in a case presenting as B-ALL (L3). Brito-Babapulle V, et al. **Leukemia** 1991 Jan;5(1):83–7 (36 ref.)
De novo acute B-cell leukemia with translocation t(14;18): an entity with a poor prognosis. Kramer MH, et al. **Leukemia** 1991 Jun;5(6):473–8 (23 ref.)

ULTRASTRUCTURE

Interstitial deletion of the long arm of chromosome 18, del(18)(q12.2q21.1): a report of three cases of an autosomal deletion with a mild phenotype. Schinzel A, et al. **J Med Genet** 1991 May;28(5):352–5 (4 ref.)
t(2;18) and t(18;22) variant chromosomal translocations and bcl-2 gene rearrangements in human malignant lymphomas. Larsen CJ, et al. **Nouv Rev Fr Hematol** 1990;32(6):401–3 (10 ref.)
The bcl-2 gene and 14;18 translocation in lymphoproliferative disorders. Pezzella F, et al. **Nouv Rev Fr Hematol** 1990;32(6):397–9 (14 ref.)

CHROMOSOMES, HUMAN, PAIR 19

Report of the committee on the genetic constitution of chromosome 19. Ropers HH, et al. **Cytogenet Cell Genet** 1990;55(1–4):218–28 (115 ref.)

CHROMOSOMES, HUMAN, PAIR 20

Report of the committee on the genetic constitution of chromosome 20. Grzeschik KH, et al. **Cytogenet Cell Genet** 1990;55(1–4):229–34 (52 ref.)

Alagille syndrome and deletion of 20p. Anad F, et al. **J Med Genet** 1990 Dec;27(12):729–37 (15 ref.)

CHROMOSOMES, HUMAN, PAIR 21

Review and hypothesis: Alzheimer disease and Down syndrome—chromosome 21 nondisjunction may underlie both disorders. Potter H. **Am J Hum Genet** 1991 Jun; 48(6):1192–200 (81 ref.)

S100 protein and Down syndrome. Marks A, et al. **Bioessays** 1990 Aug;12(8):381–3 (45 ref.)

Treatment of Alzheimer's disease. Molecular pathology versus neurotransmitter-based therapy. Bowen DM. **Br J Psychiatry** 1990 Sep;157:327–30 (21 ref.)

Report of the committee on the genetic constitution of chromosome 21. Cox DR, et al. **Cytogenet Cell Genet** 1990; 55(1–4):235–44 (75 ref.)

Models for Down syndrome: chromosome 21–specific genes in mice. Epstein CJ, et al. **Prog Clin Biol Res** 1990; 360:215–32 (48 ref.)

Molecular analysis of cystathionine beta-synthase—a gene on chromosome 21. Kraus JP. **Prog Clin Biol Res** 1990; 360:201–14 (20 ref.)

Genes on chromosome 21 and cancer. Sacchi N. **Prog Clin Biol Res** 1990;360:169–85 (65 ref.)

Detailed genetic linkage map of human chromosome 21: patterns of recombination according to age and sex. Tanzi RE, et al. **Prog Clin Biol Res** 1990;360:15–26 (20 ref.)

Isolation and characterization of DNA probes for human chromosome 21. Watkins PC. **Prog Clin Biol Res** 1990; 360:53–67 (28 ref.)

The search for the genetic defects in Huntington's disease and familial Alzheimer's disease. Gusella JF. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:75–83 (34 ref.)

ULTRASTRUCTURE

Alpha and beta satellite sequences on chromosome 21: the possible role of centromere and chromosome structure in nondisjunction. Willard HF. **Prog Clin Biol Res** 1990; 360:39–52 (32 ref.)

CHROMOSOMES, HUMAN, PAIR 22

see related
PHILADELPHIA CHROMOSOME

Adjacent-2 disjunction of a maternal t(9;22) leading to duplication 9pter——q22 and deficiency of 22pter——q11.2. Pivnick EK, et al. **Am J Med Genet** 1990 Sep;37(1):92–6 (20 ref.)

Cytogenetic analysis of primitive neuroectodermal tumors. Absence of the t(11;22) in two of three cases and a review of the literature. Gorman PA, et al. **Cancer Genet Cytogenet** 1991 Jan;51(1):13–22 (13 ref.)

Progress towards the isolation and characterization of the genes causing neurofibromatosis. Menon AG, et al. **Cancer Surv** 1990;9(4):689–702 (34 ref.)

Report of the committee on the genetic constitution of chromosome 22. Emanuel BS, et al. **Cytogenet Cell Genet** 1990;55(1–4):245–53 (50 ref.)

A sterile male with 45,X0 and a Y;22 translocation. Arnemann J, et al. **Hum Genet** 1991 Jun;87(2):134–8 (54 ref.)

Two live-born infants with trisomy 22. Phillipson J, et al. **Pediatr Pathol** 1990;10(6):1001–5 (12 ref.)

ULTRASTRUCTURE

t(2;18) and t(18;22) variant chromosomal translocations and bcl-2 gene rearrangements in human malignant lymphomas. Larsen CJ, et al. **Nouv Rev Fr Hematol** 1990;32(6):401–3 (10 ref.)

CHROMOSOMES, HUMAN, 13–15

Acrocentric interconnections and NOR variants in human lymphocytes. Kurvink K, et al. **Cancer Genet Cytogenet** 1990 Dec;50(2):207–26 (78 ref.)

CHROMOSOMES, HUMAN, 21–22

Acrocentric interconnections and NOR variants in human lymphocytes. Kurvink K, et al. **Cancer Genet Cytogenet** 1990 Dec;50(2):207–26 (78 ref.)

CHROMOSOMES, RING see **RING CHROMOSOMES**

CHRONIC DISEASE

Zinc status in some chronic childhood diseases. Perrone L, et al. **Beitr Infusionther** 1991;27:115–31 (59 ref.)

Geriatric sexuality and chronic diseases. Mooradian AD. **Clin Geriatr Med** 1991 Feb;7(1):113–31 (120 ref.)

Pubertal growth and sexual maturation for adolescents with chronic illness or disability. Rosen DS. **Pediatrician** 1991; 18(2):105–20 (170 ref.)

[Chronic pediatric pathology and sports] Caramia G, et al. **Pediatr Med Chir** 1990 Jul–Aug;12(4):333–41 (41 ref.) (Eng. Abstr.) **(Ita)**

EPIDEMIOLOGY

Health status in Finland and other Nordic countries with special reference to chronic non-communicable diseases. Tuomilehto J. **Ann Nutr Metab** 1991;35 Suppl 1:41–52 (35 ref.)

Morbidity, disability, and long-term care of the elderly: implications for insurance financing. Liu K, et al. **Milbank Q** 1990;68(3):445–92 (47 ref.)

NURSING

Caregiving: an emerging risk factor for emotional and physical pathology. Eisdorfer C. **Bull Menninger Clin** 1991 Spring;55(2):238–47 (42 ref.)

PSYCHOLOGY

A psychosocial perspective. Growing up with thalassemia, a chronic disorder. Nash KB. **Ann N Y Acad Sci** 1990; 612:442–50 (19 ref.)

Revision, replication and neglect—research on maladjustment in chronic illness. Pless IB, et al. **J Child Psychol Psychiatry** 1991 Jan;32(2):347–65 (87 ref.)

Cognitive therapy with patients with chronic physical illness. Sensky T. **Psychother Psychosom** 1989;52(1–3):26–32 (26 ref.)

Measuring the social dimension of subjective health in chronic illness. Siegrist J, et al. **Psychother Psychosom** 1990; 54(2–3):90–8 (32 ref.)

[Compliance in adolescents with chronic disease] Michaud PA, et al. **Arch Fr Pediatr** 1991 May;48(5):329–36 (34 ref.) (Eng. Abstr.) **(Fre)**

[Physical activities in "sick" children, sports on prescription] de Mondenard JP. **Schweiz Z Sportmed** 1991 Mar; 39(1):21–31 (71 ref.) (Eng. Abstr.) **(Fre)**

[Psychological development in chronic disease and disability] Steinhausen HC. **Monatsschr Kinderheilkd** 1990 Oct; 138(10):646–50 (8 ref.) (Eng. Abstr.) **(Ger)**

[Adolescence and disease] Blanco Picabia A. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1990 Jul–Aug;18(4):227–34 (20 ref.) (Eng. Abstr.) **(Spa)**

REHABILITATION

High technology and psychiatric care of the elderly. Lieff JD. **Int Psychogeriatr** 1989 Spring;1(1):87–101 (50 ref.)

THERAPY

Medical disorders in pregnancy, including hypertensive diseases. Sibai BM. **Curr Opin Obstet Gynecol** 1990 Feb; 2(1):13–22 (24 ref.)

Psychosocial care for the chronically ill adolescent: challenges and opportunities. Ell KO, et al. **Health Soc Work** 1990 Nov;15(4):272–82 (106 ref.)

Chronic illness and the physician-patient relationship: a response to the Hastings Center's "ethical challenges of chronic illness". Moros DA, et al. **J Med Philos** 1991 Apr; 16(2):161–81 (12 ref.)

CHRONIC FATIGUE SYNDROME see **FATIGUE SYNDROME, CHRONIC**

CHRONIC LIMITATION OF ACTIVITY see **ACTIVITIES OF DAILY LIVING**

CHRONIC OBSTRUCTIVE PULMONARY DISEASE see **LUNG DISEASES, OBSTRUCTIVE**

CHRONOBIOLOGY

Chronobiology and aging. Brock MA. **J Am Geriatr Soc** 1991 Jan;39(1):74–91 (207 ref.)

Caregiving merged with chronobiologic outcome assessment, research, and education in health maintenance organizations. Halberg F, et al. **Prog Clin Biol Res** 1990; 341B:491–549 (140 ref.)

Chronobiology and aquaculture: neglected opportunities. Spieler RE. **Prog Clin Biol Res** 1990;341B:905–19 (51 ref.)

Chronobiology in laboratory medicine: principles and clinical applications illustrated from measurements of neutral steroids in saliva. Walker RF, et al. **Prog Clin Biol Res** 1990;341A:105–17 (36 ref.)

Potential value of salivary steroids in chronoepidemiological and endocrine-related studies. Wilson DW, et al. **Prog Clin Biol Res** 1990;341A:119–30 (45 ref.)

PHYSIOLOGY

Does the cerebellum provide a common computation for diverse tasks? A timing hypothesis. Keele SW, et al. **Ann N Y Acad Sci** 1990;608:179–207; discussion 207–11 (84 ref.)

Chronobiology. Rietveld WJ. **Horm Res** 1990;33(2–4):53–7 (23 ref.)

Enhancing the physiologic effectiveness of cardiac stimulators in heart rhythms' management using chronobiology. Bakken EE, et al. **Prog Clin Biol Res** 1990; 341A:347–61 (53 ref.)

Endpoints of chronobiologic cardiovascular monitoring during pregnancy for planning exercise and assessing effects. Crakes JG, et al. **Prog Clin Biol Res** 1990; 341A:605–14 (28 ref.)

Chronobiologic assessment of deviant human blood pressure: an invitation for improvements. Halberg E, et al. **Prog Clin Biol Res** 1990;341A:305–18 (18 ref.)

CHRYSOSPORIUM

Invasive Chrysosporium infection of the nose and paranasal sinuses in an immunocompromised host. Levy FE, et al. **Otolaryngol Head Neck Surg** 1991 Mar;104(3):384–8 (10 ref.)

CHURG-STRAUSS SYNDROME

[Allergic granulomatous angiitis] Nagasawa T. **Arerugi** 1991 Jan;40(1):1–7 (19 ref.) **(Jpn)**

COMPLICATIONS

Cardiac manifestations of Churg-Strauss syndrome: report of a case and review of the literature. Hasley PB, et al. **Am Heart J** 1990 Oct;120(4):996–9 (21 ref.)

PATHOLOGY

Polyarteritis nodosa, Churg-Strauss syndrome, and other eosinophilic syndromes. Alarcón-Segovia D. **Curr Opin Rheumatol** 1990 Feb;2(1):50–4 (20 ref.)

Churg-Strauss syndrome and polyarteritis nodosa. Lightfoot RW Jr. **Curr Opin Rheumatol** 1991 Feb;3(1):3–7 (15 ref.)

CHYLE

[Idiopathic chylopericardium. Apropos of a new case. Review of the literature] Bendayan P, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84(1):127–30 (10 ref.) (Eng. Abstr.) **(Fre)**

CHYLOMICRONS

BLOOD

[Dietary modification of the postprandial phase] Canzler H. **Klin Wochenschr** 1990;68 Suppl 22:76–82 (15 ref.) **(Ger)**

[Chylomicronemia syndrome—pathophysiology, clinical aspects and therapy] Klör HU. **Klin Wochenschr** 1990;68 Suppl 22:68–75 (66 ref.) **(Ger)**

[Peripheral remnant metabolism] Schmitz G, et al. **Klin Wochenschr** 1990;68 Suppl 22:32–7 (18 ref.) (Eng. Abstr.) **(Ger)**

[Metabolism of chylomicrons and very low density lipoproteins] Windler E. **Klin Wochenschr** 1990;68 Suppl 22:19–22 (15 ref.) (Eng. Abstr.) **(Ger)**

CHYLOPERITONEUM

[Chylous ascites in adults. A review of etiology, physiopathology, diagnostic methods and therapeutic possibilities] Kollerup GB, et al. **Ugeskr Laeger** 1991 Mar 25;153(13):919–21 (29 ref.) (Eng. Abstr.) **(Dan)**

ETIOLOGY

Chylous ascites in cirrhosis: a case report and review of the literature. Cheng WS, et al. **J Gastroenterol Hepatol** 1989 Jan–Feb;4(1):95–9 (23 ref.)

[Chylous ascites after tumor nephrectomy with retroperitoneal lymphadenectomy] Eberl W, et al. **Monatsschr Kinderheilkd** 1991 Jan;139(1):47–50 (34 ref.) (Eng. Abstr.) **(Ger)**

[A case of malignant lymphoma with multiple lymphomatous polyposis of the colon associated with chylothorax and chylous ascites] Ayabe T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Jul;87(7):1556–62 (22 ref.) **(Jpn)**

SURGERY

The management of postoperative chylous ascites. A case report and literature review. Ohri SK, et al. **J Clin Gastroenterol** 1990 Dec;12(6):693–7 (47 ref.)

THERAPY

Chylous ascites following abdominal aortic surgery. Williams RA, et al. **Ann Vasc Surg** 1991 May;5(3):247–52 (20 ref.)

CHYLOTHORAX

ETIOLOGY

[Chylothorax: clinical case report and literature review] Pieron M, et al. **Rev Med Liege** 1991 Feb;46(2):82–7 (17 ref.) **(Fre)**

[A case of malignant lymphoma with multiple lymphomatous polyposis of the colon associated with chylothorax and chylous ascites] Ayabe T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Jul;87(7):1556–62 (22 ref.) **(Jpn)**

THERAPY

[Therapeutic pleurodesis in spontaneous pneumothorax, malignant pleural effusion, heart insufficiency and chylothorax] Storm HK, et al. **Ugeskr Laeger** 1991 Apr 1;153(14):989–92 (30 ref.) (Eng. Abstr.) **(Dan)**

CHYMOPAPAIN

ADVERSE EFFECTS

Anaphylactic shock associated with chymopapain skin test. A case report and review of the literature. Pinkowski JL, et al. **Clin Orthop** 1990 Nov;(260):186–90 (23 ref.)

CHYMOSIN

GENETICS

Modification of milk-clotting aspartic proteinases by recombinant DNA techniques. Beppu T. **Ann N Y Acad Sci** 1990;613:14–25 (21 ref.)

CHYMOTRYPSIN

CHEMISTRY

[Hydrophobic interaction of alpha-chymotrypsin with low molecular weight compounds] Kolodzeĭskaia MV, et al. **Ukr Biokhim Zh** 1990 Sep-Oct;62(5):3–14 (48 ref.) (Eng. Abstr.) **(Rus)**

CI-581 see **KETAMINE**

CICATRIX

Squamous cell carcinoma arising in a sternotomy scar. Korula R, et al. **Ann Thorac Surg** 1991 Apr;51(4):667–9 (14 ref.)

CHEMICALLY INDUCED

The chemical peel. Peters W. **Ann Plast Surg** 1991 Jun; 26(6):564–71 (32 ref.)

COMPLICATIONS

Clear cell carcinoma arising in extraovarian endometriosis: report of three cases and review of the literature. Hitti IF, et al. **Gynecol Oncol** 1990 Dec;39(3):314–20 (17 ref.)

CONGENITAL

The small scarred kidney of childhood. A congenital or an acquired lesion? Risdon RA. **Pediatr Nephrol** 1987 Oct; 1(4):632–7 (41 ref.)

ETIOLOGY

The role of growth hormone and insulin-like growth factor-I in experimental renal growth and scarring. el Nahas AM. **Am J Kidney Dis** 1991 Jun;17(6):677–9 (17 ref.)

The inflammatory response and tissue damage. The example of renal scars following acute renal infection. Glauser MP, et al. **Pediatr Nephrol** 1987 Oct;1(4):615–22 (48 ref.)

IMMUNOLOGY

Fibrogenic cytokines: the role of immune mediators in the development of scar tissue. Kovacs EJ. **Immunol Today** 1991 Jan;12(1):17–23 (90 ref.)

PATHOLOGY

Endometriosis in episiotomy scar with anal sphincter involvement. Report of a case. Sayfan J, et al. **Dis Colon Rectum** 1991 Aug;34(8):713–6 (22 ref.)

Hydroa vacciniforme with unusually severe scar formation: diagnosis by repetitive UVA phototesting. Hann SK, et al. **J Am Acad Dermatol** 1991 Aug;25(2 Pt 2):401–3 (14 ref.)

Porokeratosis arising in a burn scar. Nova MP, et al. **J Am Acad Dermatol** 1991 Aug;25(2 Pt 2):354–6 (21 ref.)

Reflux nephropathy in adults [editorial] Zucchelli P, et al. **Nephron** 1991;57(1):2–9 (64 ref.)

PHYSIOPATHOLOGY

From regeneration to scar formation: the collagen way [editorial] Rojkind M. **Lab Invest** 1991 Feb;64(2):131–4 (35 ref.)

PREVENTION & CONTROL

Pressure therapy for the control of hypertrophic scar formation after burn injury. A history and review. Ward RS. **J Burn Care Rehabil** 1991 May-Jun;12(3):257–62 (57 ref.)

[Cicatrization prevention in surgery of primary glaucoma (review of the literature)] Babushkin AE. **Vestn Oftalmol** 1990 Nov-Dec;106(6):66–70 (75 ref.) **(Rus)**

SURGERY

Tracheostomy scar revision using allogeneic dura. Carlson ER, et al. **J Oral Maxillofac Surg** 1991 Mar;49(3):315–8 (3 ref.)

Scar revision and camouflage. Thomas JR, et al. **Otolaryngol Clin North Am** 1990 Oct;23(5):963–73 (15 ref.)

THERAPY

Complications of foot surgery. Wound dehiscence, hypertrophic scars, and keloids. Wilczynski RJ. **Clin Podiatr Med Surg** 1991 Apr;8(2):359–65 (12 ref.)

[The current approaches to choosing a rational procedure for the pregnancy and labor management of women with a scar on the uterus] Strizhakov AN, et al. **Akush Ginekol (Mosk)** 1991 Feb;(2):8–13 (62 ref.) **(Rus)**

CICHLID FISH see **PERCH**

CIGUATERA see **CIGUATOXIN**

CIGUATOXIN

ADVERSE EFFECTS

[Ciguatera: an undesirable vacation souvenir] Schröter A, et al. **Med Monatsschr Pharm** 1991 Jul;14(7):206–10 (13 ref.) **(Ger)**

POISONING

Foodborne toxins of marine origin: ciguatera. Juranovic LR, et al. **Rev Environ Contam Toxicol** 1991;117:51–94 (236 ref.)

CILASTATIN

ADMINISTRATION & DOSAGE

Overall clinical utility of the intramuscular preparation of imipenem/cilastatin. MacGregor RR. **Chemotherapy** 1991; 37 Suppl 2:53–7 (12 ref.)

CILIA

see related
EPITHELIUM

PHYSIOLOGY

Ciliary adaptations for the propulsion of mucus. Sleigh MA. **Biorheology** 1990;27(3–4):527–32 (24 ref.)

CILIARY BODY

Observations on intraocular leiomyomas. Shields JA, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1990;42:945–50 (25 ref.)

BLOOD SUPPLY

Cholinergic vasoconstriction in the eye. Stjernschantz J. **J Ocul Pharmacol** 1990 Fall;6(3):195–202 (26 ref.)

[Ocular hypertonia disclosed by the association of central retinal vein and cilioretinal artery occlusions] Bordat B, et al. **Bull Soc Ophtalmol Fr** 1990 May;90(5):521–4 (10 ref.) **(Fre)**

INNERVATION

Accommodation and the nerve pathway to the ciliary muscle: a review. Ruskell GL. **Ophthalmic Physiol Opt** 1990 Jul; 10(3):239–42 (26 ref.)

Parasympathetic denervation of the ciliary muscle following retinal photocoagulation. Kaufman PL. **Trans Am Ophthalmol Soc** 1990;88:513–53 (75 ref.)

CILIARY MOTILITY DISORDERS

[Ciliary dyskinesia in children] Brook U, et al. **Harefuah** 1991 Jan 15;120(2):100–2 (30 ref.) **(Heb)**

[Primary ciliary dyskinesia] Domingo Ribas C, et al. **Med Clin (Barc)** 1991 Jun 22;97(4):144–6 (38 ref.) **(Spa)**

RADIONUCLIDE IMAGING

Nasal transit time in normal subjects and pathologic conditions. Englender M, et al. **Otolaryngol Head Neck Surg** 1990 Dec;103(6):909–12 (18 ref.)

CILIATA

CYTOLOGY

Evolution of amitosis of the ciliate macronucleus: gain of the capacity to divide. Orias E. **J Protozool** 1991 May-Jun; 38(3):217–21 (29 ref.)

To shape a cell: an inquiry into the causes of morphogenesis of microorganisms. Harold FM. **Microbiol Rev** 1990 Dec; 54(4):381–431 (305 ref.)

GENETICS

The nuclear genomes of hypotrichous ciliates: maintaining the maximum and the minimum of information. Jahn CL. **J Protozool** 1991 May-Jun;38(3):252–8 (58 ref.)

GROWTH & DEVELOPMENT

Positional order and cellular handedness. Frankel J. **J Cell Sci** 1990 Oct;97 (Pt 2):205–11 (54 ref.)

PHYSIOLOGY

Towards a generalized model of encystment (cryptobiosis) in ciliates: a review and a hypothesis. Gutiérrez JC, et al. **Biosystems** 1990;24(1):17–24 (54 ref.)

CILOPROST see **ILOPROST**

CIMETIDINE

PHARMACOLOGY

[Gastrin, insulin and glucagon secretion after cimetidine and sodium hydrocarbonate intake in patients with duodenal ulcer] Valenkevich LN, et al. **Klin Med (Mosk)** 1991 Mar; 69(3):91–3 (22 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Cimetidine in idiopathic urticaria. Choy M, et al. **DICP** 1991 Jun;25(6):609–12 (12 ref.)

TOXICITY

Cimetidine. **IARC Monogr Eval Carcinog Risks Hum** 1990; 50:235–63 (139 ref.)

CINE-CT see **TOMOGRAPHY, X-RAY COMPUTED**

CINGULATE GYRUS see **GYRUS CINGULI**

CIPROFLOXACIN

ADVERSE EFFECTS

Acute renal failure due to ciprofloxacin. Allon M, et al. **Arch Intern Med** 1990 Oct;150(10):2187–9 (11 ref.)

PHARMACOKINETICS

Clinical pharmacokinetics of ciprofloxacin. Vance-Bryan K, et al. **Clin Pharmacokinet** 1990 Dec;19(6):434–61 (218 ref.)

Significance of the ciprofloxacin-antacid interaction. Roush MK, et al. **DICP** 1991 May;25(5):473–5 (15 ref.)

[Ciprofloxacin: intraocular absorption in man] Bron A, et al. **Bull Soc Ophtalmol Fr** 1990 Aug-Sep;90(8–9):805–6, 809–11 (13 ref.) (Eng. Abstr.) **(Fre)**

[Serum pharmacokinetics and in vitro antibacterial activity of pefloxacin, ofloxacin and ciprofloxacin] Nordmann P, et al. **Presse Med** 1990 Sep 1–8;19(28):1321–5 (43 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOLOGY

Update on quinolone drug interactions. Hulisz D, et al. **Am Pharm** 1990 Sep;NS30(9):34–6 (24 ref.)

Emergent resistance to ciprofloxacin amongst Pseudomonas aeruginosa and Staphylococcus aureus: clinical significance and therapeutic approaches. Ball P. **J Antimicrob Chemother** 1990 Dec;26 Suppl F:165–79 (75 ref.)

THERAPEUTIC USE

Fluoroquinolones in the treatment of cystic fibrosis: a critical appraisal. LeBel M. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):316–24 (62 ref.)

Ciprofloxacin. Kulshrestha SP, et al. **Indian Pediatr** 1990 Aug;27(8):849–53 (36 ref.)

Treatment of typhoid fever and infectious diarrhoea with ciprofloxacin. Pithie AD, et al. **J Antimicrob Chemother** 1990 Dec;26 Suppl F:47–53 (48 ref.)

Prevention of infection by ciprofloxacin in neutropenia. Warren RE, et al. **J Antimicrob Chemother** 1990 Dec;26 Suppl F:109–23 (66 ref.)

[Effective microbiologic spectrum of gyrase inhibitors—indications and contraindications] Tauchnitz C. **Z Gesamte Inn Med** 1990 Sep 1;45(17):509–12 (22 ref.) (Eng. Abstr.) **(Ger)**

CIRCADIAN RHYTHM

Nocturnal asthma: a model of chronobiologic and pathophysiologic interactions. Schutzer SE. **Allerg Immunol (Paris)** 1991 Feb;23(2):47–8 (13 ref.)

Biochemical basis for circadian-dependent metabolism of fluoropyrimidines. Daher GC, et al. **Ann N Y Acad Sci** 1991;618:350–61 (56 ref.)

Chronophysiologic determinants of asthma. D'Alonzo GE, et al. **Ann N Y Acad Sci** 1991;618:123–39 (74 ref.)

The multifrequency (circadian, fertility cycle, and season) balance between host and cancer. Hrushesky WJ. **Ann N Y Acad Sci** 1991;618:228–56 (56 ref.)

Chronopharmacokinetics and chronopharmacodynamics of cardiovascular active drugs. Propranolol, organic nitrates, nifedipine. Lemmer B, et al. **Ann N Y Acad Sci** 1991; 618:166–81 (40 ref.)

When should the immune clock be reset? From circadian pharmacodynamics to temporally optimized drug delivery. Lévi F, et al. **Ann N Y Acad Sci** 1991;618:312–29 (71 ref.)

Chronotherapeutics. Pharmacokinetic constraints and opportunities. Levy G. **Ann N Y Acad Sci** 1991;618:116–22 (21 ref.)

Neuropeptide Y in the circadian timing system. Moore RY, et al. **Ann N Y Acad Sci** 1990;611:247–57 (78 ref.)

Concepts of circadian chronopharmacology. Reinberg AE. **Ann N Y Acad Sci** 1991;618:102–15 (25 ref.)

The potential of using the natural rhythmicity of cell proliferation in improving cancer chemotherapy in rodents. Scheving LE, et al. **Ann N Y Acad Sci** 1991;618:182–227 (111 ref.)

Investigative protocols for chronotherapeutics. Basic requirements and illustrative case histories. Smolensky MH,

et al. **Ann N Y Acad Sci** 1991;618:465–83 (83 ref.)
The therapeutic index of cytotoxic chemotherapy depends upon circadian drug timing. Von Roemeling R. **Ann N Y Acad Sci** 1991;618:292–311 (80 ref.)
Circadian rhythms in Neurospora crassa: biochemistry and genetics. Lakin-Thomas PL, et al. **Crit Rev Microbiol** 1990; 17(5):365–416 (296 ref.)
Chronopharmacological actions of the pineal gland. Brown GM. **Drug Metabol Drug Interact** 1990;8(3–4):189–201 (41 ref.)
Chronobiology and aging. Brock MA. **J Am Geriatr Soc** 1991 Jan;39(1):74–91 (207 ref.)
Plasma melatonin as a measure of the human clock [editorial] Rosenthal NE. **J Clin Endocrinol Metab** 1991 Aug; 73(2):225–6 (7 ref.)
Melatonin and the human gonadotrophin-releasing hormone pulse generator. Silman R. **J Endocrinol** 1991 Jan; 128(1):7–11 (44 ref.)
Circadian variations in myocardial ischemia. Implications for management. Pepine CJ. **JAMA** 1991 Jan 16;265(3):386–90 (60 ref.)
Circadian rate variation in rate-adaptive pacing systems. Lee MT, et al. **PACE** 1990 Dec;13(12 Pt 2):1797–801 (5 ref.)
The time window of feeding. Collier G, et al. **Physiol Behav** 1990 Dec;48(6):771–7 (49 ref.)
Circadian rhythm of serotonin binding in rat brain. Wesemann W, et al. **Prog Neurobiol** 1990;35(6):405–28 (210 ref.)
Monotonic and rhythmic influences: a challenge for sleep deprivation research. Babkoff H, et al. **Psychol Bull** 1991 May;109(3):411–28 (150 ref.)
[Diurnal variations of symptoms of depression] Tölle R. **Fortschr Neurol Psychiatr** 1991 Apr;59(4):103–16 (62 ref.) (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Effect of beta-adrenergic blocking agents on the circadian occurrence of ischemic cardiovascular events. Goldstein S. **Am J Cardiol** 1990 Nov 6;66(16):63G–65G (26 ref.)

GENETICS

Genetics of circadian rhythms. Hall JC. **Annu Rev Genet** 1990;24:659–97 (153 ref.)

PHYSIOLOGY

A symposium: triggering and circadian variation of onset of acute cardiovascular disease. Introduction. Muller JE, et al. **Am J Cardiol** 1990 Nov 6;66(16):1G–6G (22 ref.)
Timing and triggers of transient myocardial ischemia. Rocco MB. **Am J Cardiol** 1990 Nov 6;66(16):18G–21G (28 ref.)
Triggers of transient myocardial ischemia: circadian variation and relation to plaque rupture and coronary thrombosis in stable coronary artery disease. Stone PH. **Am J Cardiol** 1990 Nov 6;66(16):32G–36G (30 ref.)
Serotonin regulation of circadian rhythmicity. Morin LP, et al. **Ann N Y Acad Sci** 1990;600:418–26 (40 ref.)
The cellular mechanism of circadian rhythms--a view on evidence, hypotheses and problems. Rensing L, et al. **Chronobiol Int** 1990;7(5–6):353–70 (149 ref.)
Human circadian rhythms and exercise. Reilly T. **Crit Rev Biomed Eng** 1990;18(3):165–80 (115 ref.)
Developmental and functional aspects of grafting of the suprachiasmatic nucleus in the Brattleboro and the arrhythmic rat. Boer GJ, et al. **Eur J Morphol** 1990; 28(2–4):330–45 (42 ref.)
Physiological basis for photic entrainment. Meijer JH. **Eur J Morphol** 1990;28(2–4):308–16 (28 ref.)
The central control and ontogeny of circadian rhythmicity. Rietveld WJ. **Eur J Morphol** 1990;28(2–4):301–7 (23 ref.)
Diurnal and ultradian rhythms in human endocrine function: a minireview. Van Cauter E. **Horm Res** 1990;34(2):45–53 (36 ref.)
Blood pressure variability: mechanisms and clinical significance. Mancia G. **J Cardiovasc Pharmacol** 1990;16 Suppl 6:S1–6 (23 ref.)
Rhythms in morphology and function of hepatocytes. Uchiyama Y. **J Gastroenterol Hepatol** 1990 May–Jun; 5(3):321–33 (89 ref.)
Consensus document on non-invasive ambulatory blood pressure monitoring. The Scientific Committee. **J Hypertens Suppl** 1990 Dec;8(6):S135–40 (34 ref.)
Circadian blood pressure variations under different pathophysiological conditions. Imai Y, et al. **J Hypertens Suppl** 1990 Dec;8(7):S125–32 (58 ref.)
Variability of arterial blood pressure in normal and hypertensive pregnancy. Oney T, et al. **J Hypertens Suppl** 1990 Dec;8(6):S77–81 (21 ref.)
Ambulatory blood pressure monitoring in clinical trials. Staessen J, et al. **J Hypertens Suppl** 1991 Jan;9(1):S13–9 (66 ref.)
Melatonin: a chronobiotic with anti-aging properties? Armstrong SM, et al. **Med Hypotheses** 1991 Apr; 34(4):300–9 (127 ref.)
Rhythmic variations in medical monitoring tests. LaDou J. **Occup Med** 1990 Jul–Sep;5(3):479–89 (17 ref.)
Melatonin: time in a bottle. Cassone VM. **Oxf Rev Reprod Biol** 1990;12:319–67 (268 ref.)
Squashing versus nudging circadian rhythms with artificial bright light: solutions for shift work? Eastman CI. **Perspect Biol Med** 1991 Winter;34(2):181–95 (65 ref.)
Neuroendocrine rhythms. Hastings MH. **Pharmacol Ther** 1991;50(1):35–71 (349 ref.)
Circadian rhythms: principles and measurement. Redfern PH, et al. **Pharmacol Ther** 1991;49(3):311–27 (66 ref.)
Nocturnal asthma, its pathogenesis and treatment. D'Alonzo GE, et al. **Prog Clin Biol Res** 1990;341A:223–33 (35 ref.)
Evidence that the pacemaker controlling activity rhythms is shortened in male thyroparathyroidectomized (TPX) rats: similarities to the effects of estradiol in females. McEachron DL, et al. **Prog Clin Biol Res** 1990;341B:13–24 (30 ref.)
Human psychological circadian rhythms as behavioral messengers. Monk TH. **Prog Clin Biol Res** 1990;341B:1–12 (23 ref.)
Rhythmic responses to hormones and herbicides in plants. Rikin A, et al. **Prog Clin Biol Res** 1990;341B:895–903 (21 ref.)
Circadian aspects of epileptic behavior in comparative psychophysiology. Poirel C, et al. **Psychol Rep** 1991 Jun; 68(3 Pt 1):783–801 (75 ref.)
Effects of melatonin on vertebrate circadian systems. Cassone VM. **Trends Neurosci** 1990 Nov;13(11):457–64 (62 ref.)
[Circadian changes in blood pressure and therapeutic consequences] Schrader J, et al. **Internist (Berl)** 1990 Oct; 31(10):662–8 (41 ref.) **(Ger)**
[Regulation of the biologic rhythms in mammals. Function of the pineal gland] Cardinali DP. **An R Acad Nac Med (Madr)** 1990;107(3):433–42 (51 ref.) **(Spa)**
[Diurnal rhythm and performance in sports--a review and some practical advice] Berglund B. **Lakartidningen** 1991 May 22;88(21):1975–7 (26 ref.) **(Swe)**

CIRCULAR DICHROISM

A review of the application of chiroptical methods to analytical chemistry. Gergely A. **J Pharm Biomed Anal** 1989;7(5):523–41 (139 ref.)
Underlying assumptions in the estimation of secondary structure content in proteins by circular dichroism spectroscopy--a critical review. Manning MC. **J Pharm Biomed Anal** 1989;7(10):1103–19 (201 ref.)
Analytical applications of circular dichroism. Purdie N, et al. **J Pharm Biomed Anal** 1989;7(12):1519–26 (11 ref.)

CIRCUMCISION

Dorsal penile nerve block for newborn circumcision. Fontaine P, et al. **Am Fam Physician** 1991 Apr; 43(4):1327–33 (20 ref.)
Human immunodeficiency virus, genital ulcers and the male foreskin: synergism in HIV-1 transmission. Jessamine PG, et al. **Scand J Infect Dis Suppl** 1990;69:181–6 (22 ref.)

ADVERSE EFFECTS

Pain in neonatal circumcision. Schoen EJ, et al. **Clin Pediatr (Phila)** 1991 Jul;30(7):429–32 (39 ref.)
Pain perception in the neonate: implications for circumcision. Myron AV, et al. **J Prof Nurs** 1991 May–Jun;7(3):188–93; discussion 194–5 (37 ref.)

METHODS

[Circumcision--yes or no?] Menardi G. **Padiatr Padol** 1991; 26(1):47–8 (3 ref.) (Eng. Abstr.) **(Ger)**

CIRRHOSIS see **FIBROSIS**

CIRRHOSIS, LIVER see **LIVER CIRRHOSIS**

CIS-DIAMMINEDICHLOROPLATINUM(II) see **CISPLATIN**

CIS-DICHLORODIAMMINEPLATINUM(II) see **CISPLATIN**

CISPLATIN

ADMINISTRATION & DOSAGE

Chemotherapy of metastatic Merkel cell carcinoma: case report and review of the literature. Sharma D, et al. **Am J Clin Oncol** 1991 Apr;14(2):166–9 (16 ref.)
Recent advances in etoposide therapy for non-small cell lung cancer. Bonomi P. **Cancer** 1991 Jan 1;67(1 Suppl):254–9 (24 ref.)
Cisplatin rescue therapy: experience with sodium thiosulfate, WR2721, and diethyldithiocarbamate. Gandara DR, et al. **Crit Rev Oncol Hematol** 1990;10(4):353–65 (95 ref.)
Induction intra-arterial cisplatin and bleomycin in head and neck cancer. Frustaci S, et al. **Head Neck** 1991 Jul–Aug; 13(4):291–7 (49 ref.)
The role of cisplatin in treatment regimens for squamous cell carcinoma of the head and neck. Clark JR, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):34–48 (120 ref.)
Intraperitoneal cisplatin-based chemotherapy for ovarian carcinoma. Howell SB, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):5–10 (35 ref.)
Experience with cisplatin in treatment regimens for esophageal cancer. Leichman L, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):64–72 (51 ref.)
Cytotoxic chemotherapy for advanced bladder cancer: cisplatin-containing regimens. Raghavan D, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):56–63 (83 ref.)

ADVERSE EFFECTS

Glutathione and detoxification. Tedeschi M, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):203–8 (17 ref.)
Pharmacological interventions to reduce platinum-induced toxicity. Tognella S. **Cancer Treat Rev** 1990 Sep; 17(2–3):139–42 (13 ref.)
Neurotoxic side-effects of cisplatin. Harmers FP, et al. **Eur J Cancer** 1991;27(3):372–6 (33 ref.)
Cisplatin chemoprotection and rescue: pharmacologic modulation of toxicity. Gandara DR, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):49–55 (32 ref.)
Serotonin antagonists in the management of cisplatin-induced emesis. Perez EA, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):73–80 (53 ref.)
[A case of second-degree atrioventricular block caused by high dose cisplatin treatment] Tasaka T, et al. **Gan To Kagaku Ryoho** 1991 May;18(6):1047–50 (10 ref.) (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Cisplatin chemoprotection and rescue: pharmacologic modulation of toxicity. Gandara DR, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):49–55 (32 ref.)

METABOLISM

Platinum compounds with estrogen receptor affinity. Bednarski PJ, et al. **Cancer Treat Rev** 1990 Sep; 17(2–3):221–31 (21 ref.)

PHARMACOKINETICS

The role of detoxifying systems in resistance of tumor cells to cisplatin and adriamycin. Meijer C, et al. **Cancer Treat Rev** 1990 Dec;17(4):389–407 (120 ref.)

PHARMACOLOGY

Activation of programmed cell death by anticancer agents: cisplatin as a model system. Eastman A. **Cancer Cells** 1990 Aug–Sep;2(8–9):275–80 (30 ref.)
Cisplatin. Reed E. **Cancer Chemother Biol Response Modif** 1990;11:90–6 (37 ref.)
Platinum compounds. Belani CP, et al. **Curr Opin Oncol** 1989 Dec;1(2):186–91 (32 ref.)
Alkylating and platinum-based agents. Eastman A. **Curr Opin Oncol** 1990 Dec;2(6):1109–14 (26 ref.)
Cisplatin and radiation: interaction probabilities and therapeutic possibilities. Begg AC. **Int J Radiat Oncol Biol Phys** 1990 Nov;19(5):1183–9 (46 ref.)
Resistance to alkylating agents and cisplatin: insights from ovarian carcinoma model systems. Perez RP, et al. **Pharmacol Ther** 1990;48(1):19–27 (100 ref.)

THERAPEUTIC USE

Cisplatin in advanced cancer of the cervix: an update. Alberts DS, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):11–24 (113 ref.)
Cisplatin therapy for adenocarcinoma of the stomach. Leichman L, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):25–33 (47 ref.)
Cisplatin update. Muggia FM. **Semin Oncol** 1991 Feb;18(1 Suppl 3):1–4 (40 ref.)
The integration of platinum and radiotherapy in the treatment of lung cancer. Turrisi AT 3d. **Semin Oncol** 1991 Feb;18(1 Suppl 3):81–7 (38 ref.)
[Intra-arterial chemotherapy with cis-diamminedichloroplatinum (CDDP) for primary mediastinal seminoma] Kuritsuka H, et al. **Nippon Gan Chiryo Gakkai Shi** 1990 Nov 20;25(11):2711–6 (14 ref.) (Eng. Abstr.) **(Jpn)**
[Reactions of an antineoplastic drug cis-diamminedichloroplatinum(II) with DNA] Oliński R, et al. **Postepy Biochem** 1991;37(1):40–8 (80 ref.) **(Pol)**

TOXICITY

Effect of cis-platinum on heme, drug, and steroid metabolism pathways: possible involvement in nephrotoxicity and infertility. Maines MD. **Crit Rev Toxicol** 1990;21(1):1–20 (136 ref.)

CISTERNA CHYLI see **THORACIC DUCT**

CISTERNA MAGNA

RADIONUCLIDE IMAGING

Primary intracranial hypotension and abnormal radionuclide cisternography. Report of a case and review of the literature. Weber WE, et al. **Clin Neurol Neurosurg** 1991; 93(1):55–60 (37 ref.)

CISTERNOGRAPHY, MYELOGRAPHIC see **MYELOGRAPHY**

CISTRON see **GENES, STRUCTURAL**

CITALOPRAM

PHARMACOLOGY

Citalopram. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in depressive illness. Milne RJ, et al. **Drugs** 1991 Mar; 41(3):450–77 (122 ref.)

CITRATES

BIOSYNTHESIS

Concepts of citrate production and secretion by prostate. 1. Metabolic relationships. Costello LC, et al. **Prostate** 1991; 18(1):25–46 (55 ref.)

THERAPEUTIC USE

Zinc citrate/Triclosan: a new anti-plaque system for the control of plaque and the prevention of gingivitis: short-term clinical and mode of action studies. Cummins D. **J Clin Periodontol** 1991 Jul;18(6):455–61 (45 ref.)

URINE

Renal handling of citrate. Hamm LL. **Kidney Int** 1990 Oct; 38(4):728–35 (82 ref.)

[The significance of hypocitruria in calcium oxalate induced nephrolithiasis] Horváth C, et al. **Orv Hetil** 1990 Nov 11; 131(45):2475–8 (37 ref.) (Eng. Abstr.) **(Hun)**

CITRIC ACID CYCLE

Ca2(+)-binding to citrate cycle dehydrogenases. Rutter GA. **Int J Biochem** 1990;22(10):1081–8 (75 ref.)

13C-NMR: a simple yet comprehensive method for analysis of intermediary metabolism. Jeffrey FM, et al. **Trends Biochem Sci** 1991 Jan;16(1):5–10 (36 ref.)

GENETICS

Regulation of citric acid cycle genes in facultative bacteria. Spencer ME, et al. **Microbiol Sci** 1987 Jun;4(6):164–8 (29 ref.)

PHYSIOLOGY

Citric acid cycle redux. Srere PA. **Trends Biochem Sci** 1990 Nov;15(11):411–2 (13 ref.)

CITROVORUM FACTOR see **LEUCOVORIN**

CITRUS FRUITS

[Use of gas chromatography for determining benzoic and sorbic acid levels in orange beverage and tomato concentrate] Giryn H, et al. **Rocz Panstw Zakl Hig** 1990; 41(5–6):217–22 (14 ref.) (Eng. Abstr.) **(Pol)**

CIVIL RIGHTS

AIDS, the law and civil liberties. Lansdell GT. **Med J Aust** 1991 Jan 7;154(1):61–7 (26 ref.)

LEGISLATION & JURISPRUDENCE

Suicide cases in civil law: do the legal tests make sense? McClung M. **Bull Am Acad Psychiatry Law** 1990; 18(4):365–72 (29 ref.)

Medical surveillance in the workplace—legal issues. Chinski A. **Occup Med** 1990 Jul–Sep;5(3):457–68 (78 ref.)

CLASS I ANTIGENS see **HISTOCOMPATIBILITY ANTIGENS CLASS I**

CLASS II ANTIGENS see **HISTOCOMPATIBILITY ANTIGENS CLASS II**

CLASS II HEPARIN-BINDING GROWTH FACTOR see **FIBROBLAST GROWTH FACTOR, BASIC**

CLASS I GENES see **GENES, MHC CLASS I**

CLASS II GENES see **GENES, IMMUNE RESPONSE**

CLASS II HUMAN ANTIGENS see **HLA-D ANTIGENS**

CLASSICAL COMPLEMENT PATHWAY see **COMPLEMENT PATHWAY, CLASSICAL**

CLASSIFICATION

METHODS

[Gastritis C, non-A non-B and the Sydney system: European unification or tower of Babel?] Offerhaus GJ. **Ned Tijdschr Geneeskd** 1991 Apr 6;135(14):596–9 (30 ref.) (Eng. Abstr.) **(Dut)**

CLASTOGENS see **MUTAGENS**

CLATHRIN

PHYSIOLOGY

Clathrin, adaptors, and sorting. Pearse BM, et al. **Annu Rev Cell Biol** 1990;6:151–71 (95 ref.)

Endocytosis without clathrin (a minireview). Sandvig K, et al. **Cell Biol Int Rep** 1991 Jan;15(1):3–8 (30 ref.)

Clathrin light chains: arrays of protein motifs that regulate coated-vesicle dynamics. Brodsky FM, et al. **Trends Biochem Sci** 1991 Jun;16(6):208–13 (39 ref.)

Clathrin- and non-clathrin-coated vesicle adaptors. Hurtley SM. **Trends Biochem Sci** 1991 May;16(5):165–6 (16 ref.)

CLAUSTROPHOBIA see **PHOBIC DISORDERS**

CLAUSTRUM see **BASAL GANGLIA**

CLAVICLE

[Eosinophilic granuloma of clavicular and subcutaneous localization. Report of a case] Gabaudan P, et al. **Rev Rhum Mal Osteoartic** 1990 Dec;57(12):899–900 (8 ref.) **(Fre)**

ABNORMALITIES

Wolf syndrome. Katz DS, et al. **Pediatr Radiol** 1991; 21(5):369–72 (16 ref.)

INJURIES

Brachial-plexus injury after clavicular fracture: case report and literature review. Rumball KM, et al. **Can J Surg** 1991 Jun;34(3):264–6 (9 ref.)

[Fractures and pseudarthrosis of the clavicle] van der Werken C, et al. **Ned Tijdschr Geneeskd** 1991 May 4;135(18):788–91 (35 ref.) **(Dut)**

PATHOLOGY

Condensing osteitis of the clavicle: a rare but frequently misdiagnosed condition. Greenspan A, et al. **AJR Am J Roentgenol** 1991 May;156(5):1011–5 (37 ref.)

[Congenital pseudarthrosis of the clavicle. Apropos of a case report and literature review] LeGaye J, et al. **Acta Orthop Belg** 1991;57(2):209–12 (11 ref.) (Eng. Abstr.) **(Fre)**

CLAVULANIC ACIDS

ADVERSE EFFECTS

Augmentin-induced jaundice. Wong FS, et al. **Med J Aust** 1991 May 20;154(10):698–701 (11 ref.)

[Cholestatic hepatitis induced by the amoxicillin-clavulanic acid combination. A case and review of the literature] Cleau D, et al. **Gastroenterol Clin Biol** 1990;14(12):1007–9 (24 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOLOGY

Overcoming enzymatic resistance in bacteria: impact on future therapy. Labia R, et al. **J Int Med Res** 1990;18 Suppl 4:48D–57D (57 ref.)

[New antimicrobial agent series XXXVII: potassium clavulanate/Ticarcillin sodium] Fujimori I. **Jpn J Antibiot** 1991 Apr;44(4):365–87 (31 ref.) **(Jpn)**

THERAPEUTIC USE

[Prevention of infectious complications of major upper respiratory and digestive tract surgery by the combination of pefloxacin-amoxicillin-clavulanic acid] Russier M, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(6):406–10 (8 ref.) (Eng. Abstr.) **(Fre)**

CLAW see **HOOF AND CLAW**

CLEANSING AGENTS see **DETERGENTS**

CLEAVAGE, CELL see **CELL DIVISION**

CLEAVAGE STAGE, OVUM

see related
CELL DIVISION

PHYSIOLOGY

Pathobiology of fertilization, embryonic cleavage, and implantation. Damjanov I. **Monogr Pathol** 1991;(33):32–55 (130 ref.)

Membrane-cytoskeletal interactions in the early mouse embryo. Sobel JS. **Semin Cell Biol** 1990 Oct;1(5):341–8 (40 ref.)

CLEFT LIP

GENETICS

[Frontonasal dysplasia. Case report and review of the literature] Lorenz P, et al. **Kinderarztl Prax** 1990 Aug; 58(8):415–20 (16 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Directions and issues in psychosocial research and methods as applied to cleft lip and palate and craniofacial anomalies. Strauss RP, et al. **Cleft Palate Craniofac J** 1991 Apr; 28(2):150–6 (70 ref.)

SURGERY

Treatment of cleft lip and cleft palate. Qiu WL. **Chin Med J (Engl)** 1991 May;104(5):432–6 (11 ref.)

THERAPY

Management of cleft lip and palate problems. Bernstein L. **Otolaryngol Clin North Am** 1970 Jun;3(2):171–83 (9 ref.)

Managing the cleft lip and palate patient. Kaufman FL. **Pediatr Clin North Am** 1991 Oct;38(5):1127–47 (65 ref.)

CLEFT PALATE

[The presentation of cleft palate in isolation or as part of a syndrome] Iriarte Ortabe JI, et al. **An Otorrinolaringol Ibero Am** 1990;17(4):405–43 (271 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Pharyngeal flap surgery in adults. Hall CD, et al. **Cleft Palate Craniofac J** 1991 Apr;28(2):179–82; discussion 182–3 (18 ref.)

Congenital hairy polyp of the nasopharynx associated with cleft palate: report of two cases. Haddad J Jr, et al. **Int J Pediatr Otorhinolaryngol** 1990 Nov;20(2):127–35 (10 ref.)

GENETICS

[Frontonasal dysplasia. Case report and review of the literature] Lorenz P, et al. **Kinderarztl Prax** 1990 Aug; 58(8):415–20 (16 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Webbing of the pharyngeal recess in adults with cleft palate. Walter JD. **Cleft Palate J** 1990 Oct;27(4):411–3; discussion 414 (14 ref.)

PSYCHOLOGY

Directions and issues in psychosocial research and methods as applied to cleft lip and palate and craniofacial anomalies. Strauss RP, et al. **Cleft Palate Craniofac J** 1991 Apr; 28(2):150–6 (70 ref.)

SURGERY

Treatment of cleft lip and cleft palate. Qiu WL. **Chin Med J (Engl)** 1991 May;104(5):432–6 (11 ref.)

THERAPY

Management of cleft lip and palate problems. Bernstein L. **Otolaryngol Clin North Am** 1970 Jun;3(2):171–83 (9 ref.)

Managing the cleft lip and palate patient. Kaufman FL. **Pediatr Clin North Am** 1991 Oct;38(5):1127–47 (65 ref.)

CLEIDOCRANIAL DYSOSTOSIS see **CLEIDOCRANIAL DYSPLASIA**

CLEIDOCRANIAL DYSPLASIA

RADIOGRAPHY

[A case of pyknodysostosis (the clinico-radiological characteristics)] Leu EG, et al. **Pediatrie** 1990 Apr-Jun; 39(2):181–6 (6 ref.) **(Rum)**

CLERAMBAULT SYNDROME see **ORGANIC MENTAL DISORDERS, PSYCHOTIC**

CLIMACTERIC

[Hysteroscopy as a method of evaluation of endometrial pathology during climacteric] Canino A, et al. **Minerva Ginecol** 1991 May;43(5):217–22 (19 ref.) (Eng. Abstr.) **(Ita)**

[The climacteric in the therapist's practice (a lecture for physicians)] Krylov AA, et al. **Ter Arkh** 1991;63(4):128–32 (18 ref.) **(Rus)**

DRUG EFFECTS

[Estrogen substitution therapy in climacteric: should progesterone be omitted in hysterectomized women?] Huber J. **Geburtshilfe Frauenheilkd** 1991 Apr;51(4):257–61 (35 ref.) (Eng. Abstr.) **(Ger)**

[Hormone substitution in the female climacteric--goals, means, effects] Hauser GA. **Ther Umsch** 1990 Dec; 47(12):970–84 (40 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Abnormal bleeding in the climacteric. Jutras ML, et al. **Obstet Gynecol Clin North Am** 1990 Jun;17(2):409–25 (41 ref.)

[Pathophysiology of systemic changes in premature menopause] Kolesnikova TN. **Akush Ginekol (Mosk)** 1990 Dec;(12):7–11 (81 ref.) **(Rus)**

CLIMATE

see related
ACCLIMATIZATION
Climatic characteristics of the high urinary tract calculi areas all over the world. Kotinis-Zambakas SJ. **Geogr Med** 1990; 20:25–31 (27 ref.)
Potential impacts on health of atmospheric change. Haines A, et al. **J Public Health Med** 1991 May;13(2):69–80 (70 ref.)

CLINDAMYCIN

THERAPEUTIC USE
Clindamycin in the treatment of obstetric and gynecologic infections: a review. Zambrano D. **Clin Ther** 1991 Jan–Feb; 13(1):58–80 (138 ref.)
[The role of lincosamide antibiotics in pediatrics] Scholz H, et al. **Z Arztl Fortbild (Jena)** 1990;84(22):1139–43 (19 ref.) **(Ger)**

CLINICAL COMPETENCE

Status report on ambulatory care and education in the VA Western Region and western medical schools. Robbins AS, et al. **Acad Med** 1991 Sep;66(9):506–10 (2 ref.)
Competence and performance: two different concepts in the assessment of quality of medical care. Rethans JJ, et al. **Fam Pract** 1990 Sep;7(3):168–74 (7 ref.)
Critical thinking and nursing education: perplexities and insights. Kintgen-Andrews J. **J Nurs Educ** 1991 Apr; 30(4):152–7 (34 ref.)
The significance and importance of supervision in psychotherapy training. Szecsödy I. **Psychother Psychosom** 1990;53(1–4):86–92 (23 ref.)
Clinical judgment analysis. Kirwan JR, et al. **Q J Med** 1990 Sep;76(281):935–49 (46 ref.)
[Rational continuing medical education] Renschler HE. **Schweiz Rundsch Med Prax** 1991 May 7;80(19):515–23 (36 ref.) (Eng. Abstr.) **(Ger)**

STANDARDS
Workshop to Develop Competency Objectives in Dental Public Health. Proceedings. American Association of Public Health Dentistry Ad Hoc Committee to Update the Behavioral Objectives in Dental Public Health. Rozier RG. **J Public Health Dent** 1990 Fall;50(5):330–3 (7 ref.)

CLINICAL ENGINEERING see **BIOMEDICAL ENGINEERING**

CLINICAL EQUIVALENCY see **THERAPEUTIC EQUIVALENCY**

CLINICAL INFORMATICS see **MEDICAL INFORMATICS**

CLINICAL INVESTIGATORS see **RESEARCH PERSONNEL**

CLINICAL LABORATORY INFORMATION SYSTEMS

Embedding expert systems in laboratory information systems. Connelly DP. **Am J Clin Pathol** 1990 Oct;94(4 Suppl 1):S7–14 (30 ref.)
Use of computers in quality assurance of laboratory testing. Tan IK, et al. **Ann Acad Med Singapore** 1990 Sep; 19(5):724–30 (21 ref.)
Information for medical decision making. Improving our laboratory reports. Aller RD. **Clin Lab Med** 1991 Mar; 11(1):171–86 (15 ref.)
Design of a clinical laboratory computer system. Blume P. **Clin Lab Med** 1991 Mar;11(1):83–104 (9 ref.)
Expert systems and the clinical laboratory information system. Connelly DP, et al. **Clin Lab Med** 1991 Mar; 11(1):135–51 (77 ref.)
Horizontal and vertical integration in hospital laboratories and the laboratory information system. Friedman BA, et al. **Clin Lab Med** 1990 Sep;10(3):627–41 (13 ref.)
Using the laboratory information system to achieve strategic advantage over the competitors of hospital-based clinical laboratories. Friedman BA, et al. **Clin Lab Med** 1991 Mar; 11(1):187–202 (13 ref.)
Health care information systems. Patient-centered integration is the key. Korpman RA. **Clin Lab Med** 1991 Mar; 11(1):203–20 (30 ref.)
Acquiring a laboratory computer system. Understanding the issues. Lincoln TL, et al. **Clin Lab Med** 1991 Mar;11(1):1–20 (33 ref.)
Acquiring a laboratory computer system. Vendor selection and contracting. Lincoln TL, et al. **Clin Lab Med** 1991 Mar;11(1):21–40 (15 ref.)
The ins and outs of laboratory information systems. Combining the hospital and reference laboratory. Weilert M, et al. **Clin Lab Med** 1991 Mar;11(1):153–69 (2 ref.)
Implementing information systems. Weilert M. **Clin Lab Med** 1991 Mar;11(1):41–51 (4 ref.)

ECONOMICS
Why spend the money? Justification of laboratory information systems. Winsten D. **Clin Lab Med** 1991 Mar; 11(1):105–21 (30 ref.)

TRENDS
Laboratory information systems from a perspective of continuing evolution. Krieg AF. **Clin Lab Med** 1991 Mar; 11(1):73–82 (42 ref.)

CLINICAL MARKERS see **BIOLOGICAL MARKERS**

CLINICAL MEDICINE

The human genome project. Prospects and implications for clinical medicine. Green ED, et al. **JAMA** 1991 Oct 9; 266(14):1966–75 (77 ref.)

STATISTICS & NUMERICAL DATA
Methods for the analysis and assessment of clinical databases: the clinician's perspective. Pryor DB, et al. **Stat Med** 1991 Apr;10(4):617–28 (57 ref.)

CLINICAL NURSE SPECIALISTS see **NURSE CLINICIANS**

CLINICAL NURSING RESEARCH

Research priorities in respiratory nursing. This official statement of the American Thoracic Society was adopted by the ATS Board of Directors, June 1990 [published erratum appears in Am Rev Respir Dis 1991 Feb;143(2):451] **Am Rev Respir Dis** 1990 Dec;142(6 Pt 1):1459–64 (158 ref.)

METHODS
The utilization of research findings in clinical nursing practice. Bircumshaw D. **J Adv Nurs** 1990 Nov; 15(11):1272–80 (39 ref.)

STANDARDS
An analysis of theory-research linkages in published gerontologic nursing studies, 1983–1989. Murphy E, et al. **ANS Adv Nurs Sci** 1991 Jun;13(4):1–13 (26 ref.)

CLINICAL PATHOLOGY see **PATHOLOGY, CLINICAL**

CLINICAL PHARMACOLOGY see **PHARMACOLOGY, CLINICAL**

CLINICAL PHARMACY SERVICE see **PHARMACY SERVICE, HOSPITAL**

CLINICAL PRACTICE NURSING RESEARCH see **CLINICAL NURSING RESEARCH**

CLINICAL PRACTICE VARIATIONS see **PHYSICIAN'S PRACTICE PATTERNS**

CLINICAL PROTOCOLS

Constipation. Murtagh J. **Aust Fam Physician** 1990 Nov; 19(11):1693–7 (3 ref.)
Diarrhoea--differential diagnosis [see comments] Selby W. **Aust Fam Physician** 1990 Nov;19(11):1683–6, 1688–9 (4 ref.) Comment in: Aust Fam Physician 1991 Feb;20(2):221.
Preventive strategies in management of acute myocardial infarction. Carroll G, et al. **Aust N Z J Med** 1990 Aug; 20(4):615–20 (57 ref.)
Retinopathy of prematurity (ROP): optimal timing of clinical evaluation and standard procedures. Reibaldi A, et al. **Doc Ophthalmol** 1990 Mar;74(3):229–34 (21 ref.)
Treatment of urinary incontinence: the place of drugs. Sourander LB. **Gerontology** 1990,36 Suppl 2:19–26 (11 ref.)
Pragmatism and probabilities in dementia. McCormick WC, et al. **Hosp Pract [Off]** 1990 Dec 15;25(12):93–100, 103–6, 113–4 (12 ref.)
Approach to epilepsy in children. Mikati M. **Indian J Pediatr** 1990 May–Jun;57(3):297–312 (14 ref.)
Practice guidelines: best hope for quality improvement in the 1990s. Chassin MR. **J Occup Med** 1990 Dec; 32(12):1199–206 (43 ref.)
Outpatient management of burns in children. Schonfeld N. **Pediatr Emerg Care** 1990 Sep;6(3):249–53 (36 ref.)
Response criteria in research protocols for prostatic cancer. Akaza H. **Prog Clin Biol Res** 1990;357:85–95 (14 ref.)
[Multiple pregnancies. III. Therapeutic, psychologic and social aspects] Vaksmann S, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1990;19(6):667–76 (76 ref.) (Eng. Abstr.) **(Fre)**
[Clinical protocols] Rodríguez Artalejo F, et al. **Med Clin (Barc)** 1990 Sep 15;95(8):309–16 (57 ref.) **(Spa)**

STANDARDS
Symptomatic hyponatremia: pathophysiology and management. Cheng JC, et al. **Acute Care** 1988–89; 14–15:270–92 (130 ref.)
Status asthmaticus. Williams AJ, et al. **Acute Care** 1988–89; 14–15:208–28 (87 ref.)
Caring for older patients with high blood pressure. Burris JF. **Am Fam Physician** 1991 Jul;44(1):137–44 (24 ref.)
Alcoholism in women. Gearhart JG, et al. **Am Fam Physician** 1991 Sep;44(3):907–13 (32 ref.)
Serious soft tissue infections of the head and neck. Herr RD, et al. **Am Fam Physician** 1991 Sep;44(3):878–88 (25 ref.)
Techniques for antepartum fetal surveillance. Hueston WJ. **Am Fam Physician** 1991 Sep;44(3):893–904 (36 ref.)
Making sense of dysfunctional uterine bleeding. Johnson CA. **Am Fam Physician** 1991 Jul;44(1):149–57 (14 ref.)
Management of snakebite. Johnson CA. **Am Fam Physician** 1991 Jul;44(1):174–80 (10 ref.)
Spontaneous abortion. McBride WZ. **Am Fam Physician** 1991 Jan;43(1):175–82 (26 ref.)
Laryngeal cancer: diagnosis, treatment and speech rehabilitation. McKenna JP, et al. **Am Fam Physician** 1991 Jul;44(1):123–9 (16 ref.)
Disulfiram: a guide to clinical use in alcoholism treatment. McNichol RW, et al. **Am Fam Physician** 1991 Aug; 44(2):481–4 (10 ref.)
Organic solvent and aerosol abuse. Miller NS, et al. **Am Fam Physician** 1991 Jul;44(1):183–9 (26 ref.)
Benign prostatic hypertrophy. O'Brien WM. **Am Fam Physician** 1991 Jul;44(1):162–71 (14 ref.)
Treatment of diabetes in the elderly. Reed RL, et al. **Am Fam Physician** 1991 Sep;44(3):915–24 (31 ref.)
Diagnosing rheumatoid arthritis: current criteria. Smith CA, et al. **Am Fam Physician** 1991 Sep;44(3):863–70 (10 ref.)
Chronic upper lobe cavitary lung disease. Zeilender SB, et al. **Am Fam Physician** 1991 Jan;43(1):187–94 (16 ref.)
Rationale for treatment. Gotto AM Jr. **Am J Med** 1991 Jul 31;91(1B):31S–36S (18 ref.)
Electrode placements for cochlear implants: a review. Rosen S. **Br J Audiol** 1990 Dec;24(6):411–8 (49 ref.)
Dural sinus thrombosis. McLean BN. **Br J Hosp Med** 1991 Apr;45(4):226–31 (30 ref.)
Update on trauma care in Canada. 2. Update on pediatric trauma. Blair GK. **Can J Surg** 1990 Dec;33(6):443–6 (12 ref.)
Update on trauma care in Canada. 5. Trauma and hypothermia. McCallum AL. **Can J Surg** 1990 Dec; 33(6):457–60 (27 ref.)
Update on trauma care in Canada. 3. Pelvic ring fractures [see comments] O'Brien PJ. **Can J Surg** 1990 Dec; 33(6):447–50 (16 ref.) Comment in: Can J Surg 1990 Dec;33(6):431–2.
Update on trauma care in Canada. 1. Recent advances in thermal injuries. Tredget EE. **Can J Surg** 1990 Dec; 33(6):439–42 (32 ref.)
Urolithiasis in Zimbabwe: yesterday, today and tomorrow. Danso AP. **Cent Afr J Med** 1991 Jan;37(1):30–9 (19 ref.)
A review of 13-years experience of osteosarcoma. Carter SR, et al. **Clin Orthop** 1991 Sep;(270):45–51 (11 ref.)
Management of amenorrhea and associated disorders. Kletzky OA, et al. **Curr Opin Obstet Gynecol** 1990 Jun; 2(3):386–91 (8 ref.)
Prostate cancer. Badalament RA, et al. **Dis Mon** 1991 Apr; 37(4):199–268 (263 ref.)
Minimizing urinary incontinence in the nursing home. Breitenbucher RB. **Geriatrics** 1990 Dec;45(12):32–40 (22 ref.)
Severe rheumatoid arthritis: current options in drug therapy. Kremer JM. **Geriatrics** 1990 Dec;45(12):43–8 (21 ref.)
Anorexia in older patients: its meaning and management. Morley JE. **Geriatrics** 1990 Dec;45(12):59–62, 65–6 (21 ref.)
Pain management in elderly people. Ferrell BA. **J Am Geriatr Soc** 1991 Jan;39(1):64–73 (94 ref.)
Urinary tract infection in women. Current role of single-dose therapy. Bump RC. **J Reprod Med** 1990 Aug;35(8):785–91 (40 ref.)
Multiple drug therapy in the treatment of essential hypertension. Hockenberry B. **Nurs Clin North Am** 1991 Jun;26(2):417–36 (36 ref.)
The treatment of mild to moderate hypertension in patients with diabetes mellitus. Collins JW. **Nurse Pract** 1991 Jun; 16(6):28–30, 35–9, 43 (71 ref.)
Assessment and management of gouty arthritis. Yeomans AC. **Nurse Pract** 1991 Apr;16(4):18, 21, 25–6 (19 ref.)
Care of the infant born exposed to human immunodeficiency virus. Mendez H, et al. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):637–49 (40 ref.)
Human immunodeficiency virus infection in pregnancy. Nanda D. **Obstet Gynecol Clin North Am** 1990 Sep; 17(3):617–26 (48 ref.)
Essential hypertension--investigations and management. Duggin GG, et al. **P N G Med J** 1990 Dec;33(4):295–300 (7 ref.)
Clinical assessment of coronary disease. Wilcox I, et al. **P N G Med J** 1990 Dec;33(4):301–15 (16 ref.)
Rapid sequence anesthesia induction for emergency intubation. Yamamoto LG, et al. **Pediatr Emerg Care** 1990 Sep;6(3):200–13 (100 ref.)
Trials and tribulations of multicenter studies. Lessons learned from the experiences of the Southwest Pediatric Nephrology Study Group (SPNSG). Hogg RJ. **Pediatr Nephrol** 1991 May;5(3):348–51 (27 ref.)
Anaerobic infections. The basics for primary care physicians. Feleke G, et al. **Postgrad Med** 1991 Jun;89(8):221–4, 227–30, 233–4 (21 ref.)
Bleeding esophagogastric varices. Ways to treat active episodes and prevent recurrence. Marshall JB. **Postgrad Med** 1991 May 1;89(6):147–50, 155–8 (38 ref.)

Strategies in diabetes mellitus. Start of a new era. Skyler JS. **Postgrad Med** 1991 May 1;89(6):45–6, 49, 53–6 passim (25 ref.)
The importance of diagnostic procedures to ensure quality of health care in geriatric medicine. Examples from recent studies. Steen B. **Qual Assur Health Care** 1990; 2(3–4):387–92 (16 ref.)
Rational antibiotic therapy: new drugs, changing concepts. Graber H. **Ther Hung** 1990;38(3):99–105 (46 ref.)
Congestive heart failure. New frontiers. Parmley WW, et al. **West J Med** 1991 Apr;154(4):427–41 (132 ref.)
Diagnosis and antibiotic treatment of community-acquired pneumonia. Rodnick JE, et al. **West J Med** 1991 Apr; 154(4):405–9 (22 ref.)
Practical chemotherapy of malaria. Report of a WHO Scientific Group. **WHO Tech Rep Ser** 1990;805:1–141 (0 ref.)
[Sociocultural factors implicated in the establishment of therapeutic protocols and their consequences for the individual] Bergner M. **Journ Annu Diabetol Hotel Dieu** 1991;:241–51 (17 ref.) **(Fre)**
[Educational diagnosis and evaluation of educational strategies (PRECEDE Model): practical methodology for inducing changes in behavior and health status] Green LW, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:227–40 (76 ref.) **(Fre)**
[Prognosis and treatment of chronic viral hepatitis] Klotz F, et al. **Med Trop (Mars)** 1991 Jan–Mar;51(1):15–28 (76 ref.) (Eng. Abstr.) **(Fre)**
[The use of LHRH analogs in ovulation induction] Hedon B, et al. **Rev Fr Gynecol Obstet** 1991 Feb 15;86(2):97–9 (22 ref.) (Eng. Abstr.) **(Fre)**

CLINICAL SKILLS see **CLINICAL COMPETENCE**

CLINICAL TRIAL OVERVIEWS see **META-ANALYSIS**

CLINICAL TRIALS

Design of clinical therapeutic trials in amyotrophic lateral sclerosis. Brooks BR, et al. **Adv Neurol** 1991;56:521–46 (74 ref.)
Clinical trials in ALS: measurement and natural history. Munsat TL, et al. **Adv Neurol** 1991;56:515–9 (21 ref.)
Clinical trials in asthma and chronic airflow obstruction. Meyers DA, et al. **Agents Actions Suppl** 1990;30:87–107 (25 ref.)
Workshop II—Hypertension trials and meta-analyses: is there any value for further studies? Grimm RH Jr, et al. **Am J Med** 1991 Feb 21;90(2A):24S–25S (0 ref.)
Sucralfate therapy and reflux esophagitis: an overview. Orlando RC. **Am J Med** 1991 Aug 8;91(2A):123S–124S (26 ref.)
Clinical trials in stroke prevention. Barnett HJ. **Arzneimittelforschung** 1991 Mar;41(3A):340–4 (42 ref.)
Controlled clinical trials in stroke. Fieschi C, et al. **Arzneimittelforschung** 1991 Mar;41(3A):344–7 (23 ref.)
Assessment of antirheumatic activity in man. Bellamy N, et al. **Baillieres Clin Rheumatol** 1990 Dec;4(3):433–65 (124 ref.)
Clinical studies of granulocyte colony stimulating factor (G-CSF). Scarffe JH, et al. **Cancer Surv** 1990;9(1):115–30 (44 ref.)
Cardiovascular risk factors: multiple interventions in man. Schoenberger JA. **Clin Exp Hypertens [A]** 1990;12(5):931–8 (9 ref.)
Bias in double-blind trials. Gøtzsche PC. **Dan Med Bull** 1990 Aug;37(4):329–36 (131 ref.)
The implications for Europe of revised FDA guidelines for clinical trials with anti-infective agents. Gilbert DN, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):552–8 (21 ref.)
Evaluation of safety and tolerance in clinical trials with antimicrobial agents. Lode H, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):530–3 (9 ref.)
Cancer prevention clinical trials. Nixon DW. **Hematol Oncol Clin North Am** 1991 Feb;5(1):185–9 (9 ref.)
Postexposure chemoprophylaxis: approval criteria for clinical trials. Beninger PR, et al. **J Acquir Immune Defic Syndr** 1991;4(5):513–5 (0 ref.)
Analyzing laboratory marker changes in AIDS clinical trials. Dawson JD, et al. **J Acquir Immune Defic Syndr** 1991; 4(7):667–76 (21 ref.)
Fallacies in the interpretation of the large-scale trials of treatment of mild to moderate hypertension. Simpson FO. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S92–5 (37 ref.)
Statistical concepts and methods for the reader of clinical studies in emergency medicine. Lewis RJ, et al. **J Emerg Med** 1991 Jul–Aug;9(4):221–32 (92 ref.)
Clinical trials in hypertension: the present and perspectives for the future. Kitler ME. **J Hypertens Suppl** 1990 Sep; 8(4):S3–9 (89 ref.)
Ambulatory twenty-four-hour blood pressure measurements in pharmacological studies. Weisser B, et al. **J Hypertens Suppl** 1990 Dec;8(6):S87–92 (44 ref.)
Role of the community hospital in cancer research. Cohen GI, et al. **Md Med J** 1990 Oct;39(10):953–7 (18 ref.)
Methodological problems of clinical trials in multi-infarct dementia. Loeb C, et al. **Neuroepidemiology** 1990;9(4):223–7 (15 ref.)
Assessment of outcome in clinical trials in Alzheimer's disease. Snowden JS. **Neuroepidemiology** 1990;9(4):216–22 (11 ref.)
[Clinical trials for primary prevention of ischemic cardiopathy. Light and darkness] Dal Palù C, et al. **G Ital Cardiol** 1990 Nov;20(11):1044–53 (65 ref.) **(Ita)**

ECONOMICS

Industry reimbursement for entering patients into clinical trials: legal and ethical issues. Shimm DS, et al. **Ann Intern Med** 1991 Jul 15;115(2):148–51 (27 ref.)

METHODS

Computerized automation of clinical trials. Johnson N, et al. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):771–86 (41 ref.)
Great expectations: some suggestions for applying the balanced placebo design to nicotine and smoking. Sutton SR. **Br J Addict** 1991 May;86(5):659–62 (8 ref.)
Importance of experimental models for the development of clinical trials on thromboatherosclerosis. Fuster V, et al. **Circulation** 1991 Jun;83(6 Suppl):IV15–25 (91 ref.)
Pharmacodynamic modelling. Application to new drug development. Kroboth PD, et al. **Clin Pharmacokinet** 1991 Feb;20(2):91–8 (32 ref.)
Statistical management of data in clinical research. Fleiss JL, et al. **Crit Rev Oral Biol Med** 1990;1(1):55–66 (44 ref.)
Strategies for evaluating treatments for major depression in primary care patients. Schulberg HC, et al. **Gen Hosp Psychiatry** 1991 Jan;13(1):9–18 (52 ref.)
Keynote address: a critical assessment of trials of neoadjuvant (preemptive) chemotherapy for bladder cancer: lesson for future studies of combined modality treatment. Raghavan D. **Int J Radiat Oncol Biol Phys** 1991 Feb;20(2):233–7 (39 ref.)
Clinical trials in Alzheimer's disease. A report from the Medical Research Council Alzheimer's Disease Clinical Trials Committee. Swash M, et al. **J Neurol Neurosurg Psychiatry** 1991 Feb;54(2):178–81 (30 ref.)
Clinical trials: bringing research to the bedside. Arvay CA. **J Neurosci Nurs** 1991 Feb;23(1):64–7 (9 ref.)
Outcome criteria in antidepressant drug trials: self-rating versus observer-rating scales. Möller HJ. **Pharmacopsychiatry** 1991 May;24(3):71–5 (26 ref.)
Neoadjuvant chemotherapy in invasive bladder cancer. Trial design and statistics. Dalesio O. **Prog Clin Biol Res** 1990; 353:57–64 (11 ref.)
Clinical testing of compounds modifying acute and chronic neurodegeneration in the CNS. Etienne P, et al. **Prog Clin Biol Res** 1990;361:387–407 (27 ref.)
Basic principles of clinical trials as applied to testicular cancer. Freedman LS, et al. **Prog Clin Biol Res** 1990; 357:255–66 (32 ref.)
The application of response criteria on reporting treatment results in cancer trials. Kurth K. **Prog Clin Biol Res** 1990; 359:49–64; discussion 73–4 (36 ref.)
Endpoints of clinical trials for muscle-invasive bladder cancer. Tannock IF. **Prog Clin Biol Res** 1990;353:65–74 (17 ref.)
Preemptive (neoadjuvant) chemotherapy: can analysis of eligibility criteria, prognostic factors, and tumor staging from different trials provide valid or useful comparisons? Raghavan D, et al. **Semin Oncol** 1990 Oct;17(5):613–8 (39 ref.)
Endpoints of clinical trials in invasive bladder cancer. Tannock IF. **Semin Oncol** 1990 Oct;17(5):619–27 (33 ref.)
Quality adjusted survival analysis. Glasziou PP, et al. **Stat Med** 1990 Nov;9(11):1259–76 (19 ref.)
The marriage of clinical trials and clinical decision science. Hilden J, et al. **Stat Med** 1990 Nov;9(11):1243–57 (14 ref.)
Sequential stopping rules in clinical trials. McPherson K. **Stat Med** 1990 Jun;9(6):595–600 (24 ref.)
Estimation issues in clinical trials and overviews. Pocock SJ, et al. **Stat Med** 1990 Jun;9(6):657–71 (46 ref.)
[A critical analysis of clinical trials in acute pancreatitis published between 1983 and 1989] Pérez-Mateo M, et al. **Med Clin (Barc)** 1991 Mar 16;96(10):371–3 (20 ref.) (Eng. Abstr.) **(Spa)**

STANDARDS

Niacin and vitamin B6 in mental functioning: a review of controlled trials in humans. Kleijnen J, et al. **Biol Psychiatry** 1991 May 1;29(9):931–41 (61 ref.)
NHLBI clinical trials and conflicts of interest. Buchwald H. **Controlled Clin Trials** 1990 Aug;11(4):217–22 (16 ref.)
Can clinical trials in rheumatology be improved? Blair PS, et al. **Curr Opin Rheumatol** 1991 Apr;3(2):272–9 (24 ref.)
Improvement of phase III psychotropic drug trials by intensive phase II work. Klein DF. **Neuropsychopharmacology** 1991 Jun;4(4):251–8; discussion 259–71 (17 ref.)
Safety in clinical trials. Wallander MA. **Scand J Prim Health Care** 1990;Suppl 1:89–91 (8 ref.)
[Quality assurance in clinical studies: a necessity] Boll M, et al. **Z Exp Chir Transplant Kunstliche Organe** 1990; 23(2):65–72 (7 ref.) (Eng. Abstr.) **(Ger)**

STATISTICS & NUMERICAL DATA

Statistical management of data in clinical research. Fleiss JL, et al. **Crit Rev Oral Biol Med** 1990;1(1):55–66 (44 ref.)
Interpretation of survival data in clinical trials. Anderson JR, et al. **Oncology (Williston Park)** 1991 Feb;5(2):104–10; discussion 110, 113–4 (21 ref.)

TRENDS

Future directions for randomized trials of cardiovascular disease prevention in hypertensive patients. MacMahon S, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S96–9 (16 ref.)

CLINICAL TRIALS, RANDOMIZED see **RANDOMIZED CONTROLLED TRIALS**

CLINICS, FREE-STANDING see **AMBULATORY CARE FACILITIES**

CLITORIS

The gynaecological problems of neurofibromatosis. Blickstein I, et al. **Aust N Z J Obstet Gynaecol** 1990 Nov; 30(4):380–2 (20 ref.)
Neurofibroma of the clitoris. A case report. Nishimura K, et al. **Urol Int** 1991;46(1):109–11 (17 ref.)

ABNORMALITIES

Clinical approach to vaginal/vestibular masses in the bitch. Manothaiudom K, et al. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):509–21 (53 ref.)

CLOFAZIMINE

THERAPEUTIC USE

Clofazimine: a review of its use in leprosy and Mycobacterium avium complex infection. Garrelts JC. **DICP** 1991 May;25(5):525–31 (54 ref.)

CLOFIBRATE

THERAPEUTIC USE

Drugs affecting triglycerides. Capurso A. **Cardiology** 1991; 78(3):218–25 (39 ref.)

CLOMIFEN see **CLOMIPHENE**

CLOMIPHENE

Early miscarriage and fetal malformations after induction of ovulation (by clomiphene citrate and/or human menotropins), in vitro fertilization, and gamete intrafallopian transfer. Shoham Z, et al. **Fertil Steril** 1991 Jan;55(1):1–11 (88 ref.)

ADVERSE EFFECTS

Prevention and management of complications occurring during treatment with clomifene. Sokol RZ. **Drug Saf** 1990 Sep–Oct;5(5):313–6 (33 ref.)

THERAPEUTIC USE

Clomiphene citrate. Glasier AF. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):491–501 (42 ref.)

CLOMIPRAMINE

PHARMACOKINETICS

Clinical pharmacokinetics of clomipramine. Balant-Gorgia AE, et al. **Clin Pharmacokinet** 1991 Jun;20(6):447–62 (81 ref.)

THERAPEUTIC USE

Clomipramine for obsessive-compulsive disorder. Feinberg M. **Am Fam Physician** 1991 May;43(5):1735–8 (31 ref.)
Treating the anxiety: therapeutic options in obsessive compulsive disorder. Greist JH. **J Clin Psychiatry** 1990 Nov;51 Suppl:29–34 (32 ref.)
[Biological treatments in obsessive-compulsive disorder] Montgomery SA, et al. **Encephale** 1990 Jul–Aug;16 Spec No:335–9 (25 ref.) (Eng. Abstr.) **(Fre)**

CLONE CELLS

T-cell clones that react against autologous human tumors. Mukherji B, et al. **Immunol Rev** 1990 Aug;116:33–62 (51 ref.)
Specific interactions between a human CD4+ clone and autologous CD4+ bifunctional immunoregulatory clones. Naor D, et al. **Immunol Rev** 1990 Aug;116:63–83 (60 ref.)
Alternative pathways of T-cell activation and positive clonal selection. Patarca R, et al. **Immunol Rev** 1990 Aug; 116:85–100 (46 ref.)
Immunoregulatory function of human autoreactive T-cell lines and clones. Strober W, et al. **Immunol Rev** 1990 Aug; 116:117–38 (40 ref.)
Autoreactive HLA-DR-specific autoreactive T-cell clones: possible regulatory function for B lymphocytes and hematopoietic precursors. Tilkin AF, et al. **Immunol Rev** 1990 Aug;116:171–81 (27 ref.)
The generation and use of human T cell clones. Rees AD.

CLONE CELLS

Mol Cell Probes 1990 Dec;4(6):419–34 (89 ref.)

METABOLISM

Use of clonal cell lines in the analysis of neurotransmitter receptor mechanisms and function. Buckley NJ, et al. **Biochim Biophys Acta** 1990 Oct 15;1055(1):43–53 (92 ref.)

CLONIDINE

ANTAGONISTS & INHIBITORS

Clonidine-displacing substance (CDS) and its putative imidazoline receptor. New leads for further divergence of alpha 2-adrenergic receptor activity. Atlas D. **Biochem Pharmacol** 1991 Jun 1;41(11):1541–9 (57 ref.)

DIAGNOSTIC USE

Synergistic effect of growth hormone and gonadotropins in achieving conception in "clonidine-negative" patients with unexplained infertility. Blumenfeld Z, et al. **Ann N Y Acad Sci** 1991;626:250–65 (51 ref.)

POISONING

[Clonidine poisoning] Vol'gram EN, et al. **Sud Med Ekspert** 1990 Oct-Dec;33(4):47–9 (65 ref.) **(Rus)**

THERAPEUTIC USE

Clonidine: old friend—new guises [see comments] Mahoney A, et al. **Br J Hosp Med** 1990 Nov;44(5):358–61 (61 ref.) Comment in: Br J Hosp Med 1991 Apr;45(4):196.

New advances in anesthesia. Waugaman WR, et al. **Nurs Clin North Am** 1991 Jun;26(2):451–61 (38 ref.)

[Clonidine: from the treatment of hypertension to its use in anesthesia. II: Perioperative use] Bernard JM, et al. **Ann Fr Anesth Reanim** 1990;9(5):423–32 (71 ref.) **(Fre)**

[Use of certain cardiological drugs in the treatment of schizophrenia: review of the literature] Llorca PM, et al. **J Psychiatry Neurosci** 1991 Mar;16(1):19–24 (52 ref.) **(Fre)**

[Psychotropic effect of clonidine—the role of alpha 2 adrenergic receptors in the pathogenesis of mental disorders] Kasperowicz-Dąbrowiecka A, et al. **Psychiatr Pol** 1990 Mar-Apr;24(2):151–9 (40 ref.) **(Pol)**

[Means and methods of non-opiate analgesia from the point of view of the concept of the adrenergic regulation of pain sensitivity] Ignatov IuD, et al. **Anesteziol Reanimatol** 1991 May-Jun;(3):65–8 (39 ref.) (Eng. Abstr.) **(Rus)**

[Clonidine-naltrexone: a new technic for the detoxification of opiate addicts] Oliveros SC, et al. **Med Clin (Barc)** 1990 Nov 10;95(16):627–9 (19 ref.) **(Spa)**

CLONING, MOLECULAR

see related
DNA, RECOMBINANT

High-expression of a target gene and high-stability of the plasmid. Kobayashi M, et al. **Appl Biochem Biotechnol** 1991 Feb;27(2):145–62 (116 ref.)

Heterologous gene expression in methylotrophic yeast. Tschopp JF, et al. **Biotechnology** 1991;18:305–22 (57 ref.)

Treatment of Alzheimer's disease. Molecular pathology versus neurotransmitter-based therapy. Bowen DM. **Br J Psychiatry** 1990 Sep;157:327–30 (21 ref.)

From cloning to a commercial realization: human alpha interferon. Baron E, et al. **Crit Rev Biotechnol** 1990; 10(3):179–90 (109 ref.)

The molecular genetics of schizophrenia: an overview and forward view. McGuffin P, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;240(3):169–73 (27 ref.)

Isolation, localization, and cloning of a kainic acid binding protein from frog brain. Wenthold RJ, et al. **J Histochem Cytochem** 1990 Dec;38(12):1717–23 (18 ref.)

Molecular genetic analysis of phenylketonuria and mental retardation. Woo SL. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:193–203 (29 ref.)

Factor hunting made easier. Steele RE. **Trends Biochem Sci** 1991 Apr;16(4):125–6 (8 ref.)

Yeast artificial chromosomes: tools for mapping and analysis of complex genomes. Schlessinger D. **Trends Genet** 1990 Aug;6(8):248, 255–8 (43 ref.)

Cloning and structure-function of the H2 histamine receptor. Birdsall NJ. **Trends Pharmacol Sci** 1991 Jan;12(1):9–10 (9 ref.)

Cloning of a 'D3' receptor subtype expands dopamine receptor family. Sibley DR. **Trends Pharmacol Sci** 1991 Jan;12(1):7–9 (23 ref.)

[Recombinant hematopoietic growth factors. Results of molecular cloning and potential therapeutic applications] Steinheider G. **Med Klin** 1991 Apr 15;86(4):209–16 (142 ref.) **(Ger)**

[Molecular biology and pathophysiologic research] Meuer SC. **Verh Dtsch Ges Inn Med** 1990;96:438–41 (8 ref.) **(Ger)**

[Genetic aspects of some functional proteins in the central nervous system] Takahashi Y. **Nippon Yakurigaku Zasshi** 1991 Mar;97(3):135–44 (76 ref.) (Eng. Abstr.) **(Jpn)**

[Molecular cloning and molecular biological studies of human thymidylate synthase gene] Takeishi K. **Yakugaku Zasshi** 1990 Dec;110(12):891–907 (52 ref.) (Eng. Abstr.) **(Jpn)**

METHODS

Cloning in M13 phage or how to use biology at its best. Messing J. **Gene** 1991 Apr;100:3–12 (36 ref.)

The difficult challenge of cloning the angiotensin II receptor. Weber V, et al. **Horm Res** 1990;34(3–4):101–4 (21 ref.)

Cloning embryos by nuclear transfer. Prather RS, et al. **J Reprod Fertil Suppl** 1990;41:125–34 (72 ref.)

Cystic fibrosis. 3. Cloning the cystic fibrosis gene: implications for diagnosis and treatment. Porteous DJ, et al. **Thorax** 1991 Jan;46(1):46–55 (61 ref.)

CLONING VECTORS see **GENETIC VECTORS**

CLONORCHIASIS

DIAGNOSIS

Radiologic findings of clonorchiasis. Lim JH. **AJR Am J Roentgenol** 1990 Nov;155(5):1001–8 (48 ref.)

CLORANFENICOL see **CHLORAMPHENICOL**

CLOSED COHORT STUDIES see **COHORT STUDIES**

CLOSTRIDIAL NEUROTOXIN see **TETANUS TOXIN**

CLOSTRIDIOPEPTIDASE A see **CLOSTRIDIUM HISTOLYTICUM COLLAGENASE**

CLOSTRIDIUM

[ADP ribosylation of actin—a cytotoxic principle of bacterial toxins] Just I, et al. **Immun Infekt** 1991 Feb;19(1):18–21 (69 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

The cloned cel (cellulose degradation) genes of Clostridium thermocellum and their products. Béguin P, et al. **Microbiol Sci** 1987 Sep;4(9):277–80 (24 ref.)

Gene transfer, recombination and gene cloning in Clostridium acetobutylicum. Jones DT, et al. **Microbiol Sci** 1986 Jan; 3(1):19–22 (27 ref.)

ISOLATION & PURIFICATION

[Isolation and identification of clostridia] Schallehn G. **Int J Med Microbiol** 1990 Nov;274(2):259–80 (29 ref.) **(Ger)**

METABOLISM

Cellulolysis: ultrastructural aspects of bacterial systems. Mayer F. **Electron Microsc Rev** 1988;1(1):69–85 (68 ref.)

Metabolism and energy generation in homoacetogenic clostridia. Hugenholtz J, et al. **FEMS Microbiol Rev** 1990 Dec;7(3–4):383–9 (43 ref.)

The study of clostridial and related toxins. The search for unique mechanisms and common denominators. Simpson LL. **J Physiol (Paris)** 1990;84(2):143–51 (32 ref.)

CLOSTRIDIUM BOTULINUM

see related
BOTULINUM TOXINS

CLOSTRIDIUM BOTULINUM TOXINS see **BOTULINUM TOXINS**

CLOSTRIDIUM DIFFICILE

see related
ENTEROCOLITIS, PSEUDOMEMBRANOUS

ANALYSIS

A family of clostridial and streptococcal ligand-binding proteins with conserved C-terminal repeat sequences. Wren BW. **Mol Microbiol** 1991 Apr;5(4):797–803 (38 ref.)

ISOLATION & PURIFICATION

Exacerbation of ulcerative colitis [clinical conference] Hermens DJ, et al. **Gastroenterology** 1991 Jul;101(1):254–62 (74 ref.)

Diagnostic procedures for isolation and characterization of Clostridium difficile associated with enterocolitis in foals. Jones RL. **J Vet Diagn Invest** 1989 Jan;1(1):84–6 (26 ref.)

[Physiopathology of Clostridium difficile-related intestinal disease. Role of the colonic ecosystem] Marteau P, et al. **Gastroenterol Clin Biol** 1991;15(4):322–9 (90 ref.) **(Fre)**

PATHOGENICITY

12th C. L. Oakley lecture. Pathogenesis of Clostridium difficile infection of the gut. Borriello SP. **J Med Microbiol** 1990 Dec;33(4):207–15 (53 ref.)

CLOSTRIDIUM ENTEROCOLITIS see **ENTEROCOLITIS, PSEUDOMEMBRANOUS**

CLOSTRIDIUM HISTOLYTICUM COLLAGENASE

ANTAGONISTS & INHIBITORS

Tetracyclines inhibit connective tissue breakdown: new therapeutic implications for an old family of drugs. Golub LM, et al. **Crit Rev Oral Biol Med** 1991;2(3):297–321 (136 ref.)

GENETICS

Structure and expression of type IV collagenase genes. Tryggvason K, et al. **Cell Differ Dev** 1990 Dec 2; 32(3):307–12 (15 ref.)

METABOLISM

Collagen and collagenase: pregnancy and parturition. Jeffrey JJ. **Semin Perinatol** 1991 Apr;15(2):118–26 (51 ref.)

[In vitro studies of the effect of growth factors on the connective tissue] Węglarz L, et al. **Postepy Hig Med Dosw** 1989;43(2–4):255–74 (129 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Potential role of proteases in pulmonary fibrosis. Selman M, et al. **Ann N Y Acad Sci** 1991;624:297–306 (31 ref.)

Type IV collagenases in tumor invasion and metastasis. Stetler-Stevenson WG. **Cancer Metastasis Rev** 1990 Dec; 9(4):289–303 (87 ref.)

[Mammalian collagenases. A review of recent advances] Pérez Tamayo R, et al. **Rev Invest Clin** 1976 Jul-Sep; 28(3):279–300 (128 ref.) **(Spa)**

CLOSTRIDIUM INFECTIONS

The pigbel story of Papua New Guinea. Murrell TG, et al. **Trans R Soc Trop Med Hyg** 1991 Jan-Feb;85(1):119–22 (31 ref.)

MICROBIOLOGY

12th C. L. Oakley lecture. Pathogenesis of Clostridium difficile infection of the gut. Borriello SP. **J Med Microbiol** 1990 Dec;33(4):207–15 (53 ref.)

[Isolation and identification of clostridia] Schallehn G. **Int J Med Microbiol** 1990 Nov;274(2):259–80 (29 ref.) **(Ger)**

PHYSIOPATHOLOGY

[Physiopathology of Clostridium difficile-related intestinal disease. Role of the colonic ecosystem] Marteau P, et al. **Gastroenterol Clin Biol** 1991;15(4):322–9 (90 ref.) **(Fre)**

TRANSMISSION

Foodborne disease due to Bacillus and Clostridium species. Lund BM. **Lancet** 1990 Oct 20;336(8721):982–6 (13 ref.)

CLOSTRIDIUM PERFRINGENS

The pigbel story of Papua New Guinea. Murrell TG, et al. **Trans R Soc Trop Med Hyg** 1991 Jan-Feb;85(1):119–22 (31 ref.)

CLOSTRIDIUM TETANI

see related
TETANUS TOXIN

CLOSTRIDIUM TETANI TOXIN see **TETANUS TOXIN**

CLOSTRIDIUM WELCHII see **CLOSTRIDIUM PERFRINGENS**

CLOVE OIL see **EUGENOL**

CLOZAPINE

Clozapine. Jann MW. **Pharmacotherapy** 1991;11(3):179–95 (132 ref.)

ADVERSE EFFECTS

Side effects of clozapine and their management. Alphs LD, et al. **Pharmacopsychiatry** 1991 Mar;24(2):46 (2 ref.)

PHARMACOLOGY

Clozapine. A review of its pharmacological properties, and therapeutic use in schizophrenia. Fitton A, et al. **Drugs** 1990 Nov;40(5):722–47 (163 ref.)

Clozapine: an atypical neuroleptic. Bruhwyler J, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):357–63 (112 ref.)

Mechanism of action of atypical antipsychotics. Herrling PL. **Pharmacopsychiatry** 1991 Mar;24(2):48–9 (18 ref.)

THERAPEUTIC USE

Clozapine and the outmoded drug use process. Hepler CD. **Am Pharm** 1990 Dec;NS30(12):39–40 (5 ref.)

Clozapine: a new antipsychotic drug. Hamilton D. **Arch Psychiatr Nurs** 1990 Aug;4(4):278–81 (25 ref.)

Clozapine. A novel antipsychotic agent [see comments]

Baldessarini RJ, et al. **N Engl J Med** 1991 Mar 14; 324(11):746–54 (100 ref.) Comment in: N Engl J Med 1991 Aug 15;325(7):518–9.
Clozapine—a perspective. Accepted as a consensus statement by the ACNP Council, August 13, 1990. Shader RI. **Neuropsychopharmacology** 1991 Feb;4(2):151–2 (0 ref.)
New advances in psychotherapeutic agents: clozapine. Borison RL, et al. **Psychiatr Med** 1990;8(4):13–21 (43 ref.)
Update on the clinical efficacy and side effects of clozapine. Safferman A, et al. **Schizophr Bull** 1991;17(2):247–61 (90 ref.)

CLUBBED FINGERS see **OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC**

CLUBFOOT

SURGERY

Pediatric update #14. Functional rating system for evaluating the results of clubfoot surgery. Atar D, et al. **Orthop Rev** 1990 Aug;19(8):730–5 (28 ref.)
Complications in clubfoot surgery. Atar D, et al. **Orthop Rev** 1991 Mar;20(3):233–9 (44 ref.)

CLUSTER ANALYSIS

A methodological review of non-therapeutic intervention trials employing cluster randomization, 1979–1989. Donner A, et al. **Int J Epidemiol** 1990 Dec;19(4):795–800 (29 ref.)

CLUSTER HEADACHE

New findings in cluster headache. Giacovazzo M. **Ann Ital Med Int** 1990 Jul–Sep;5(3 Pt 3):303–11 (106 ref.)
Sex steroids and cluster headache: hypotheses. Polleri A. **Cephalalgia** 1990 Aug;10(4):183–7 (39 ref.)
Diagnosis and treatment of cluster headache. Kudrow L. **Med Clin North Am** 1991 May;75(3):579–94 (117 ref.)

DRUG THERAPY

[Cluster headache and chronic paroxysmal hemicrania: current therapy] Brandt T, et al. **Nervenarzt** 1991 Jun; 62(6):329–39 (108 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

On pain mechanisms in cluster headache. Hardebo JE. **Headache** 1991 Feb;31(2):91–106 (167 ref.)
Activation of pain fibers to the internal carotid artery intracranially may cause the pain and local signs of reduced sympathetic and enhanced parasympathetic activity in cluster headache. Hardebo JE. **Headache** 1991 May; 31(5):314–20 (48 ref.)
Basic mechanisms in vascular headache. Moskowitz MA. **Neurol Clin** 1990 Nov;8(4):801–15 (49 ref.)

THERAPY

Prophylactic therapy of cluster headaches. Solomon SS, et al. **Clin Neuropharmacol** 1991 Apr;14(2):116–30 (55 ref.)
Advances in cluster headache. Mathew NT. **Neurol Clin** 1990 Nov;8(4):867–90 (132 ref.)
Diagnosis and management of cluster headaches. Gabai IJ, et al. **Nurse Pract** 1990 Oct;15(10):32–6 (7 ref.)

CLUSTERING see **CLUSTER ANALYSIS**

CMP-N-ACETYLNEURAMINIC ACID SYNTHETASE see **ACYLNEURAMINATE CYTIDYLYLTRANSFERASE**

CMP SIALATE PYROPHOSPHORYLASE see **ACYLNEURAMINATE CYTIDYLYLTRANSFERASE**

CMP SIALATE SYNTHASE see **ACYLNEURAMINATE CYTIDYLYLTRANSFERASE**

COAGULASE

Epidemiologic typing systems for coagulase-negative staphylococci. Birnbaum D, et al. **Infect Control Hosp Epidemiol** 1991 May;12(5):319–26 (51 ref.)
Coagulase-negative staphylococcal infections in neonates. Hall SL. **Pediatr Infect Dis J** 1991 Jan;10(1):57–67 (129 ref.)

METABOLISM

Surface proteins of coagulase-negative staphylococci: their role in adherence to biomaterials and in opsonization. Fleer A, et al. **J Biomater Appl** 1990 Oct;5(2):154–65 (26 ref.)

COAGULATION FACTORS see **BLOOD COAGULATION FACTORS**

COAL

Relationship of inflammatory cell cytokines to disease severity in individuals with occupational inorganic dust exposure. Rom WN. **Am J Ind Med** 1991;19(1):15–27 (50 ref.)

COAL MINING

Occupational health and safety regulation in the coal mining industry: public health at the workplace. Weeks JL. **Annu Rev Public Health** 1991;12:195–207 (21 ref.)

COAT PROTEINS see **CAPSID**

COATED PITS, CELL MEMBRANE

see related
CLATHRIN

METABOLISM

Clathrin light chains: arrays of protein motifs that regulate coated-vesicle dynamics. Brodsky FM, et al. **Trends Biochem Sci** 1991 Jun;16(6):208–13 (39 ref.)

PHYSIOLOGY

Clathrin, adaptors, and sorting. Pearse BM, et al. **Annu Rev Cell Biol** 1990;6:151–71 (95 ref.)
Clathrin- and non-clathrin-coated vesicle adaptors. Hurtley SM. **Trends Biochem Sci** 1991 May;16(5):165–6 (16 ref.)

COBALAMIN see **VITAMIN B 12**

COBALT-CHROMIUM ALLOYS see **CHROMIUM ALLOYS**

COBALT RADIOISOTOPES

ADVERSE EFFECTS

[Maculopathy caused by irradiation in patients treated for choroid melanoma] Haye C, et al. **Ophtalmologie** 1990 May-Jun;4(3):229–31 (18 ref.) (Eng. Abstr.) **(Fre)**
[Cardiologic side effects of therapeutic irradiation of breast cancer—early results] Gyenes G, et al. **Orv Hetil** 1990 Dec 2;131(48):2641–6 (27 ref.) (Eng. Abstr.) **(Hun)**

COBRA CARDIOTOXIN see **DIRECT LYTIC FACTORS**

COBRA VENOMS

CHEMISTRY

Do cardiotoxins possess a functional site? Structural and chemical modification studies reveal the functional site of the cardiotoxin from Naja nigricollis. Ménez A, et al. **Biochimie** 1990 Aug;72(8):575–88 (96 ref.)

COCAINE

Drug sharing among intravenous drug users [letter] Inciardi JA, et al. **AIDS** 1991 Jun;5(6):772–3 (11 ref.)
Cocaine-induced heart diseases. Rezkalla SH, et al. **Am Heart J** 1990 Dec;120(6 (Pt 1)):1403–8 (86 ref.)
Neurologic complications of cocaine abuse. Spivey WH, et al. **Ann Emerg Med** 1990 Dec;19(12):1422–8 (81 ref.)
Cardiac complications of cocaine abuse. Isner JM, et al. **Annu Rev Med** 1991;42:133–8 (16 ref.)
Is nicotine more addictive than cocaine? Henningfield JE, et al. **Br J Addict** 1991 May;86(5):565–9 (28 ref.)
Perinatal effects of cocaine and amphetamine use during pregnancy. Kandall SR. **Bull N Y Acad Med** 1991 May-Jun;67(3):240–55 (48 ref.)
Cardiovascular effects of alcohol, cocaine, and acquired immune deficiency. Brown J, et al. **Cardiovasc Clin** 1991; 21(3):341–76 (194 ref.)
AIDS babies, crack babies: challenges to the law. Bopp J Jr, et al. **Issues Law Med** 1991 Summer;7(1):3–51 (382 ref.)
Cocaine: a primer for providers of perinatal care. Holland JG, et al. **J Miss State Med Assoc** 1990 Sep;31(9):287–93 (10 ref.)
Fetal and neonatal effects of maternal cocaine use. Peters H, et al. **J Obstet Gynecol Neonatal Nurs** 1991 Mar-Apr; 20(2):121–6 (23 ref.)
Medical and dental implications of cocaine abuse. Lee CY, et al. **J Oral Maxillofac Surg** 1991 Mar;49(3):290–3 (28 ref.)
Lung disorders due to drug abuse. McCarroll KA, et al. **J Thorac Imaging** 1991 Jan;6(1):30–5 (41 ref.)
Substance abuse-related spontaneous bladder rupture: report of 2 cases and review of the literature. Marshall GA, et al. **J Urol** 1991 Jan;145(1):135–7 (24 ref.)
Maternal cocaine addiction and fetal behavioral state. I: A human model for the study of sudden infant death syndrome. Gingras JL, et al. **Med Hypotheses** 1990 Dec; 33(4):227–30 (39 ref.)
Maternal cocaine addiction. II: An animal model for the study of brainstem mechanisms operative in sudden infant death syndrome. Gingras JL, et al. **Med Hypotheses** 1990 Dec;33(4):231–4 (32 ref.)
Can a technology model of psychotherapy research be applied to cocaine abuse treatment? Carroll K, et al. **NIDA Res Monogr** 1990;104:91–104 (37 ref.)
The pharmacology of cocaine smoking in humans. Jones RT. **NIDA Res Monogr** 1990;99:30–41 (16 ref.)
Abstinence symptomatology and neuropsychological impairment in chronic cocaine abusers. O'Malley SS, et al. **NIDA Res Monogr** 1990;101:179–90 (30 ref.)
A review of the literature on cocaine abuse in pregnancy. Lindenberg CS, et al. **Nurs Res** 1991 Mar-Apr;40(2):69–75 (46 ref.)
Cocaine-induced myocardial infarction. A growing threat to men in their 30s. Amin M, et al. **Postgrad Med** 1991 Sep 15;90(4):50–5 (37 ref.)
Cocaine addiction: psychology and neurophysiology [published erratum appears in Science 1991 Aug 2;253(5019):494] Gawin FH. **Science** 1991 Mar 29; 251(5001):1580–6 (41 ref.)
Crack, sex, and STD. Marx R, et al. **Sex Transm Dis** 1991 Apr-Jun;18(2):92–101 (84 ref.)
[Cardiovascular complications induced by cocaine abuse] de Oliveira Júnior W, et al. **Arq Bras Cardiol** 1990 Aug; 55(2):129–31 (20 ref.) **(Por)**
[Causes and medical effects of cocaine abuse] Barroso-Moguel R, et al. **Gac Med Mex** 1990 Nov-Dec; 126(6):513–8 (47 ref.) (Eng. Abstr.) **(Spa)**
[Medical problems caused by cocaine] Urrutia A, et al. **Med Clin (Barc)** 1991 Feb 9;96(5):189–93 (49 ref.) **(Spa)**

ADVERSE EFFECTS

Crack cocaine use: a review of prevalence and adverse effects. Smart RG. **Am J Drug Alcohol Abuse** 1991; 17(1):13–26 (40 ref.)
The cardiovascular effects of cocaine. Goldfrank LR, et al. **Ann Emerg Med** 1991 Feb;20(2):165–75 (143 ref.)
Cocaine and rhabdomyolysis: report of a case and review of the literature. Flaque-Coma J. **Bol Asoc Med P R** 1990 Sep;82(9):423–4 (16 ref.)
Prenatal substance abuse. Gittler J, et al. **Child Today** 1990 Jul-Aug;19(4):3–7 (17 ref.)
Cocaine and pregnancy: clinical and methodologic issues. Chasnoff IJ. **Clin Perinatol** 1991 Mar;18(1):113–23 (30 ref.)
Developmental pathogenesis of defects associated with prenatal cocaine exposure: fetal vascular disruption. Jones KL. **Clin Perinatol** 1991 Mar;18(1):139–46 (24 ref.)
Teratogenesis: alcohol, angiotensin-converting-enzyme inhibitors, and cocaine. Beckman DA, et al. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):236–45 (19 ref.)
Cardiovascular complications of cocaine. Isner JM, et al. **Curr Probl Cardiol** 1991 Feb;16(2):89–123 (80 ref.)
Pregnancy, abruptio placentae and cocaine. Norman B, et al. **Indiana Med** 1990 Sep;83(9):634–9 (13 ref.)
Cocaine and infant behavior. Neuspiel DR, et al. **J Dev Behav Pediatr** 1991 Feb;12(1):55–64 (129 ref.)
Cocaine-induced stroke: first Jamaican case [letter] Hall JA. **J Neurol Sci** 1990 Sep;98(2–3):347–8 (10 ref.)
A comparative study of the cerebrovascular complications of cocaine: alkaloidal versus hydrochloride—a review. Levine SR, et al. **Neurology** 1991 Aug;41(8):1173–7 (73 ref.)

ANALOGS & DERIVATIVES

Synthesis and receptor binding of cocaine analogs. Carroll FI, et al. **NIDA Res Monogr** 1991;105:147–53 (11 ref.)

PHARMACOKINETICS

Introduction to the forensic pathology of cocaine. Karch SB. **Am J Forensic Med Pathol** 1991 Jun;12(2):126–31 (74 ref.)

PHARMACOLOGY

Cocaine and the cardiovascular system. Das G. **Can J Cardiol** 1990 Nov;6(9):411–5 (36 ref.)
Opioid involvement in the rewarding effects of chronic cocaine. Hammer RP Jr, et al. **NIDA Res Monogr** 1991; 105:182–8 (16 ref.)
Preclinical evaluation of the effects of buprenorphine, naltrexone and desipramine on cocaine self-administration. Mello NK. **NIDA Res Monogr** 1991;105:189–95 (7 ref.)

POISONING

The presentation and treatment of acute cocaine intoxication: experience of a teaching hospital. Burns MV, et al. **J Ky Med Assoc** 1990 Nov;88(11):604–7 (17 ref.)
[Multiple organ complications in cocaine poisoning] Guerin JM, et al. **Rev Med Interne** 1989 Nov-Dec;10(6):561–2 (9 ref.) **(Fre)**
[Acute cocaine poisoning in an infant] García Peñas JJ, et al. **An Esp Pediatr** 1990 Dec;33(6):582–3 (10 ref.) **(Spa)**

TOXICITY

Animal models of opiate, cocaine, and cannabis use. Hutchings DE, et al. **Clin Perinatol** 1991 Mar;18(1):1–22 (55 ref.)
Cocaine effects on fetal development: a comparison of clinical and animal research findings. Dow-Edwards DL. **Neurotoxicol Teratol** 1991 May-Jun;13(3):347–52 (42 ref.)

COCARCINOGENESIS

The role of protein kinase C in growth control and the concept of carcinogenesis as a progressive disorder in signal transduction. Weinstein IB. **Adv Second Messenger Phosphoprotein Res** 1990;24:307–16 (25 ref.)
Thyroid hormone and neoplastic transformation. Guernsey DL, et al. **Crit Rev Oncog** 1990;1(4):389–408 (117 ref.)
Iron, radiation, and cancer. Stevens RG, et al. **Environ Health Perspect** 1990 Jul;87:291–300 (151 ref.)
Effects of oxygen and ozone on mouse lung tumorigenesis. Witschi H. **Exp Lung Res** 1991 Mar-Apr;17(2):473–83 (51 ref.)

COCCIDIOIDES

IMMUNOLOGY

Antigenic structure of Coccidioides immitis. Cox RA. **Immunol Ser** 1989;47:133–70 (113 ref.)

COCCIDIOIDOMYCOSIS

Fungal infections in pediatric patients. Bosso JA. **Pharmacotherapy** 1990;10(6 (Pt 3)):150S–153S (24 ref.)

COMPLICATIONS

Coccidioidomycosis in human immunodeficiency virus–infected patients. Galgiani JN, et al. **J Infect Dis** 1990 Nov;162(5):1165–9 (32 ref.)

Coccidioides immitis in patients with human immunodeficiency virus infections. Galgiani JN, et al. **Semin Respir Infect** 1990 Jun;5(2):151–4 (20 ref.)

DIAGNOSIS

Laryngeal involvement in disseminated coccidioidomycosis. Boyle JO, et al. **Arch Otolaryngol Head Neck Surg** 1991 Apr;117(4):433–8 (25 ref.)

DRUG THERAPY

Miconazole in coccidioidomycosis. Levine HB. **Proc R Soc Med** 1977;70 Suppl 1:13–7 (6 ref.)

EPIDEMIOLOGY

Review of human and animal cases of coccidioidomycosis diagnosed in Canada. Sekhon AS, et al. **Mycopathologia** 1991 Jan;113(1):1–10 (23 ref.)

COCCIDIOSIS

PARASITOLOGY

Isospora belli infections. Pape JW, et al. **Prog Clin Parasitol** 1991;2:119–27 (42 ref.)

VETERINARY

Coccidiosis and cryptosporidiosis in sheep and goats. Foreyt WJ. **Vet Clin North Am Food Anim Pract** 1990 Nov; 6(3):655–70 (49 ref.)

COCCIDIOSTATS

PHARMACOLOGY

Treatment strategies for cryptosporidiosis. Soave R. **Ann N Y Acad Sci** 1990;616:442–51 (76 ref.)

COCCYGEAL REGION see **SACROCOCCYGEAL REGION**

COCCYX

Sacrococcygeal chordoma: clinicoradiological study. Saltutti C, et al. **Urol Int** 1990;45(6):372–5 (14 ref.)

[Coccygodynia disclosing Tarlov's cysts] Dehaine V, et al. **Rev Med Interne** 1990 Jul–Aug;11(4):280–4 (16 ref.) (Eng. Abstr.) **(Fre)**

COCHLEA

ANATOMY & HISTOLOGY

[Anatomy and physiology of the cochlea] Avan P, et al. **Acta Otorhinolaryngol Belg** 1991;45(2):115–54 (162 ref.) **(Fre)**

DRUG EFFECTS

Efficacy and safety of aminoglycosides once-a-day: experimental and clinical data. Tulkens PM. **Scand J Infect Dis Suppl** 1990;74:249–57 (50 ref.)

EMBRYOLOGY

Development of the human cochlea. Pujol R, et al. **Acta Otolaryngol Suppl (Stockh)** 1991;482:7–12; discussion 13 (32 ref.)

Physiological correlates of development of the human cochlea. Pujol R, et al. **Semin Perinatol** 1990 Aug; 14(4):275–80 (33 ref.)

IMMUNOLOGY

[Cogan syndrome. Case report, review of the literature, therapy] Wilder-Smith E, et al. **Laryngorhinootologie** 1991 Feb;70(2):90–2 (16 ref.) (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Guinea pig model of congenital CMV–induced hearing loss: a review. Woolf NK. **Transplant Proc** 1991 Jun;23(3 Suppl 3):32–4, discussion 34 (16 ref.)

PATHOLOGY

[Age-related inner ear injuries and presbycusis] Pu G, et al. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1988;23(6):374–5 (12 ref.) **(Chi)**

PHYSIOLOGY

Otoacoustic emission tests in neonatal screening programmes. Kemp DT, et al. **Acta Otolaryngol Suppl (Stockh)** 1991; 482:73–84 (17 ref.)

Hair cell regeneration in the avian cochlea: if it works in birds, why not in man? Girod DA, et al. **Ear Nose Throat J** 1991 Jun;70(6):343–50, 353–4 (25 ref.)

The structural and functional consequences of acoustic injury in the cochlea and peripheral auditory system: a five year update. Saunders JC, et al. **J Acoust Soc Am** 1991 Jul; 90(1):136–46 (90 ref.)

[Otoacoustic emissions. Research on active mechanism of the cochlea] Jiang S, et al. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1989;24(4):246–8 (15 ref.) **(Chi)**

[Anatomy and physiology of the cochlea] Avan P, et al. **Acta Otorhinolaryngol Belg** 1991;45(2):115–54 (162 ref.) **(Fre)**

[Cochlear physiology and physiopathology. Recent data] Pujol R. **Ann Otolaryngol Chir Cervicofac** 1990;107 Suppl 1:36–47 (3 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Effects of peak pressure and energy of impulses. Patterson JH Jr. **J Acoust Soc Am** 1991 Jul;90(1):205–8 (12 ref.)

A review of otoacoustic emissions. Probst R, et al. **J Acoust Soc Am** 1991 May;89(5):2027–67 (250 ref.)

Middle ear inflammatory mediators and cochlear function. Morizono T, et al. **Otolaryngol Clin North Am** 1991 Aug; 24(4):835–43 (41 ref.)

COCHLEAR DISEASES

PHYSIOPATHOLOGY

[Current role of electrocochleography] Dauman R, et al. **Acta Otorhinolaryngol Belg** 1991;45(2):217–24 (51 ref.) **(Fre)**

[Analysis of cochlear manifestations of presbycusis by acoustic oto-emissions. Review of the literature] Bonfils P, et al. **Rev Laryngol Otol Rhinol (Bord)** 1989;110(1):63–5 (12 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Surgical management of perilymph fistulas. A new technique. Black FO, et al. **Arch Otolaryngol Head Neck Surg** 1991 Jun;117(6):641–8 (54 ref.)

COCHLEAR IMPLANT

Status of cochlear implantation in children. American Academy of Otolaryngology–Head and Neck Surgery Subcommittee on Cochlear implants. Kveton J, et al. **J Pediatr** 1991 Jan;118(1):1–7 (21 ref.)

Cochlear implant. Fritsch JH, et al. **Nebr Med J** 1991 Apr; 76(4):96–9; discussion 100 (11 ref.)

Aural rehabilitation. Tyler RS, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):429–45 (84 ref.)

STANDARDS

Electrode placements for cochlear implants: a review. Rosen S. **Br J Audiol** 1990 Dec;24(6):411–8 (49 ref.)

Cochlear implants: some consensus at last? Rosen S. **Br J Audiol** 1990 Dec;24(6):361–70; discussion 370–3 (5 ref.)

COCHLEAR MICROPHONIC POTENTIALS

PHYSIOLOGY

A review of otoacoustic emissions. Probst R, et al. **J Acoust Soc Am** 1991 May;89(5):2027–67 (250 ref.)

[Acoustic oto-emissions] Uziel A. **Acta Otorhinolaryngol Belg** 1991;45(2):225–36 (42 ref.) **(Fre)**

COCHLEAR PROSTHESIS see **COCHLEAR IMPLANT**

COCKAYNE SYNDROME

PATHOLOGY

Renal lesions in Cockayne syndrome. Hirooka M, et al. **Pediatr Nephrol** 1988 Apr;2(2):239–43 (13 ref.)

CODEINE

ADVERSE EFFECTS

Safe use of codeine in the recovering alcoholic or addict. Stock CJ. **DICP** 1991 Jan;25(1):49–53 (29 ref.)

ANALOGS & DERIVATIVES

[Morphinan alkaloids present in mammal] Ning YM, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):329–32 (36 ref.) **(Chi)**

CODON

Codon context. Buckingham RH. **Experientia** 1990 Dec 1; 46(11–12):1126–33 (74 ref.)

Suppression and the code: beyond codons and anticodons. Murgola EJ. **Experientia** 1990 Dec 1;46(11–12):1134–41 (85 ref.)

Codon bias and gene expression. Kurland CG. **FEBS Lett** 1991 Jul 22;285(2):165–9 (48 ref.)

Determinants of DNA sequence divergence between Escherichia coli and Salmonella typhimurium: codon usage, map position, and concerted evolution. Sharp PM. **J Mol Evol** 1991 Jul;33(1):23–33 (55 ref.)

Switches in species-specific codon preferences: the influence of mutation biases. Shields DC. **J Mol Evol** 1990 Aug; 31(2):71–80 (31 ref.)

Recent advances in peptide chain termination. Craigen WJ, et al. **Mol Microbiol** 1990 Jun;4(6):861–5 (48 ref.)

[Heterogeneous codon usage patterns within genes] Mita K, et al. **Tanpakushitsu Kakusan Koso** 1990 Aug; 35(11):2011–21 (37 ref.) **(Jpn)**

GENETICS

[Mutation of codon 117 of the prion gene in Gerstmann-Sträussler-Scheinker disease] Tranchant C, et al. **Rev Neurol (Paris)** 1991;147(4):274–8 (31 ref.) (Eng. Abstr.) **(Fre)**

COENDOU see **RODENTIA**

COENURIASIS see **CESTODE INFECTIONS**

COENZYME I see **NAD**

COENZYME M see **2-MERCAPTOETHANESULFONATE**

COENZYME Q see **UBIQUINONE**

COENZYMES

[Discovery and recent development of a novel coenzyme pyrroloquinoline quinone (PQQ)] Matsushita K, et al. **Seikagaku** 1991 Mar;63(3):218–21 (15 ref.) **(Jpn)**

BLOOD

6-Hydroxydopa: the redox cofactor in plasma amine oxidase. **Nutr Rev** 1991 Mar;49(3):92–5 (18 ref.)

METABOLISM

Quinoproteins: enzymes containing the quinonoid cofactor pyrroloquinoline quinone, topaquinone or tryptophan-tryptophan quinone. Duine JA. **Eur J Biochem** 1991 Sep 1;200(2):271–84 (211 ref.)

Status of the cofactor identity in copper oxidative enzymes. Klinman JP, et al. **FEBS Lett** 1991 Apr 22;282(1):1–4 (36 ref.)

COFFEA see **COFFEE**

COFFEE

see related
CAFFEINE

Coffee, caffeine and hemostasis: a review. Bak AA, et al. **Neth J Med** 1990 Dec;37(5–6):242–6 (39 ref.)

ADVERSE EFFECTS

Epidemiological evidence on coffee and digestive tract cancers: a review. La Vecchia C. **Dig Dis** 1990;8(5):281–6 (37 ref.)

Coffee. **IARC Monogr Eval Carcinog Risks Hum** 1991; 51:41–206 (407 ref.)

A review of the relationship between coffee consumption and coronary heart disease. Christensen L, et al. **J Community Health** 1990 Dec;15(6):391–408 (36 ref.)

ANALYSIS

Synthesis and availability of niacin in roasted coffee. Adrian J, et al. **Adv Exp Med Biol** 1991;289:49–59 (52 ref.)

PHYSIOLOGY

[Hygienic evaluation of the effect of coffee on the body (review of the literature)] Dmitriev MT, et al. **Gig Sanit** 1990 Nov;(11):44–6 (21 ref.) **(Rus)**

COGNITION

Thinking about thinking: a discussion of the development of cognition and language in deaf children. Christensen KM. **Am Ann Deaf** 1990 Jul;135(3):222–6 (37 ref.)

Cognition and motivation in emotion. Lazarus RS. **Am Psychol** 1991 Apr;46(4):352–67 (120 ref.)

Varieties of spatial cognition. Psychobiological considerations. Nadel L. **Ann N Y Acad Sci** 1990; 608:613–26; discussion 626–36 (51 ref.)

Cognitive neuropsychology. Resolving enigmas about Wernicke's aphasia and other higher cortical disorders. Margolin DI. **Arch Neurol** 1991 Jul;48(7):751–65 (206 ref.)

Why worry? The cognitive function of anxiety. Mathews A. **Behav Res Ther** 1990;28(6):455–68 (60 ref.)

Affects as central organising and integrating factors. A new psychosocial/biological model of the psyche. Ciompi L. **Br J Psychiatry** 1991 Jul;159:97–105 (73 ref.)
Cognitive and affective disorders in elderly diabetics. Tun PA, et al. **Clin Geriatr Med** 1990 Nov;6(4):731–46 (53 ref.)
Evaluation of behavioral and cognitive changes: the mental status examination. Bauer J, et al. **Emerg Med Clin North Am** 1991 Feb;9(1):1–12 (45 ref.)
Influence of experience on age differences in cognitive functioning. Salthouse TA. **Hum Factors** 1990 Oct; 32(5):551–69 (80 ref.)
Viral infections, immune responses and cognitive performance. Smith A. **Int J Neurosci** 1990 Apr; 51(3–4):355–6 (7 ref.)
Cognitive and social cognitive development of depressed children and adolescents. Kovacs M, et al. **J Am Acad Child Adolesc Psychiatry** 1991 May; 30(3):388–92 (35 ref.)
A cognitive morphology of psychopathology. Blatt SJ. **J Nerv Ment Dis** 1991 Aug;179(8):449–58 (59 ref.)
Cognitive strategies during coincident timing tasks. Goodgold-Edwards SA. **Phys Ther** 1991 Mar;71(3):236–43 (25 ref.)
Stratification in perception and action. de Jong HL, et al. **Psychol Res** 1990;52(2–3):216–28 (90 ref.)
[Cognitive processes and neuronal networks] Ohayon M. **Ann Med Psychol (Paris)** 1990 Oct;148(8):669–95 (48 ref.) (Eng. Abstr.) **(Fre)**
[Cognitive changes associated with depression] Zemishlang Z, et al. **Harefuah** 1991 Apr 1;120(7):401–3 (40 ref.) **(Heb)**

DRUG EFFECTS

Cognitive effects of antiepileptic drugs. Smith DB. **Adv Neurol** 1991;55:197–212 (107 ref.)
The effect of neuroleptics on cognitive and psychomotor function. King DJ. **Br J Psychiatry** 1990 Dec;157:799–811 (140 ref.)
Choosing a target for cognitive enhancers. Allain H, et al. **Clin Ther** 1990 Jul–Aug;12(4):298–305; discussion 297 (13 ref.)
Antiepileptic drugs, cognitive function, and behavior in children: evidence from recent studies. Trimble MR. **Epilepsia** 1990;31 Suppl 4:S30–4 (37 ref.)
Antidepressants: the implications of the cognitive and psychomotor effects in the elderly. Hindmarch I. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:57–60 (10 ref.)
Neurobehavioral effects of antihypertensive medications. Muldoon MF, et al. **J Hypertens** 1991 Jun;9(6):549–59 (121 ref.)
How do neuropeptides alter cognitive performance? Sahgal A. **Pol J Pharmacol Pharm** 1990 Nov–Dec;42(6):527–35 (19 ref.)
The treatment of cognitive impairment in Alzheimer's disease: beyond the cholinergic approach. Davidson M, et al. **Psychiatr Clin North Am** 1991 Jun;14(2):461–82 (175 ref.)

PHYSIOLOGY

Electrophysiological indices of frontal lobe development. Relations to cognitive and affective behavior in human infants over the first year of life. Fox NA, et al. **Ann N Y Acad Sci** 1990;608:677–98; discussion 698–704 (69 ref.)
Neurocognitive networks of the human brain. Gevins AS, et al. **Ann N Y Acad Sci** 1991;620:22–44 (25 ref.)
Does the cerebellum provide a common computation for diverse tasks? A timing hypothesis. Keele SW, et al. **Ann N Y Acad Sci** 1990;608:179–207; discussion 207–11 (84 ref.)
Applications of magnetoencephalography to the study of cognition. Papanicolaou AC, et al. **Ann N Y Acad Sci** 1991; 620:118–27 (32 ref.)
Cholinergic–dopaminergic interactions in cognitive performance. Levin ED, et al. **Behav Neural Biol** 1990 Nov; 54(3):271–99 (200 ref.)
Activating tasks for the study of visual–spatial attention in ADHD children: a cognitive anatomic approach. Swanson JM, et al. **J Child Neurol** 1991;6 Suppl:S119–27 (30 ref.)
Neuropsychological assessment of cognitive change in dementia. Hadar U, et al. **Neuroepidemiology** 1990; 9(4):189–92 (3 ref.)
Behavioral assessment of young nonhuman primates: perceptual–cognitive development. Grant-Webster KS, et al. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):543–6 (20 ref.)
Brain somatostatin: receptor–coupled transducing mechanisms and role in cognitive functions. Schettini G. **Pharmacol Res** 1991 Apr;23(3):203–15 (61 ref.)
Distributed neuroelectric patterns of human neocortex during simple cognitive tasks. Gevins A. **Prog Brain Res** 1990; 85:337–54; discussion 354–5 (30 ref.)
Dreaming: cognitive processes during cortical activation and high afferent thresholds. Antrobus J. **Psychol Rev** 1991 Jan; 98(1):96–121 (95 ref.)
Psychophysiology at the interface of clinical science, cognitive science, and neuroscience. Dawson ME. **Psychophysiology** 1990 May;27(3):243–55 (55 ref.)
Methodologic considerations in assessment of cognitive function in chronic fatigue syndrome. Becker JT. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S112–3 (24 ref.)
[The role of cognitive factors in the emotional asymmetry of the human cerebral hemispheres] Kostandov EA. **Zh Vyssh Nerv Deiat** 1990 Jul–Aug;40(4):611–9 (41 ref.) **(Rus)**

COGNITION DISORDERS

CHEMICALLY INDUCED

Central nervous system side effects of nonsteroidal anti-inflammatory drugs. Aseptic meningitis, psychosis, and cognitive dysfunction. Hoppmann RA, et al. **Arch Intern Med** 1991 Jul;151(7):1309–13 (51 ref.)

COMPLICATIONS

"Pseudodementia" and "pseudodepression": a short review on the coexistence of cognitive and affective impairment in the elderly. Foerstl H. **Cesk Neurol Neurochir** 1990 Sep; 53(5):294–304 (100 ref.)
Neuropsychological investigation of temporal lobe epilepsy. Goldstein LH. **J R Soc Med** 1991 Aug;84(8):460–5 (56 ref.)
[Hyperventilation syndrome and autonomic dystonia (review of the literature)] Moldovanu IV. **Zh Nevropatol Psikhiatr** 1991;91(5):100–3 (70 ref.) **(Rus)**

DIAGNOSIS

Verbal communication impairment in dementia research frontiers in language and cognition. Domenico RA. **Adv Exp Med Biol** 1990;282:79–88 (22 ref.)
Distinctive aspects of cognitive dysfunction in Parkinson's disease. Growdon JH, et al. **Adv Neurol** 1990;53:365–76 (74 ref.)
Assessment of competency: the role of neurobehavioral deficits. Freedman M, et al. **Ann Intern Med** 1991 Aug 1;115(3):203–8 (27 ref.)
Neuropsychological assessment of cognitive functioning in children with epilepsy. Rugland AL. **Epilepsia** 1990;31 Suppl 4:S41–4 (24 ref.)
Electroencephalographic parameters in assessing the cognitive function of children with epilepsy. Stores G. **Epilepsia** 1990;31 Suppl 4:S45–9 (32 ref.)
Cognitive deficits in children: adaptive behavior and treatment techniques. Strang JD. **Epilepsia** 1990;31 Suppl 4:S54–8 (17 ref.)
In-office mental status testing: a practical guide. Mungas D. **Geriatrics** 1991 Jul;46(7):54–8, 63, 66 (10 ref.)
Cognitive screening tests: an aid in the care of elderly outpatients [see comments] White H, et al. **J Gen Intern Med** 1990 Sep–Oct;5(5):438–45 (58 ref.) Comment in: J Gen Intern Med 1991 May–Jun;6(3):267–8.
A review of screening instruments for assessing cognition and mental status in older adults. McDougall GJ. **Nurse Pract** 1990 Nov;15(11):18–28 (129 ref.)
Methodologic considerations in assessment of cognitive function in chronic fatigue syndrome. Becker JT. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S112–3 (24 ref.)

DRUG THERAPY

[Duxil and cognitive deficiency in the elderly. Results of a 6-month controlled multicenter study] Poitrenaud J, et al. **Ann Med Interne (Paris)** 1990;141 Suppl 1:31–5 (21 ref.) (Eng. Abstr.) **(Fre)**

EPIDEMIOLOGY

Cognitive impairment among functionally limited elderly people in the community: future considerations for long-term care policy. Kasper JD. **Milbank Q** 1990; 68(1):81–109 (52 ref.)

ETIOLOGY

Cognitive deficits in children treated for leukaemia. Eiser C. **Arch Dis Child** 1991 Jan;66(1):164–8 (45 ref.)
Growth hormone deficiency in children has psychological and educational co-morbidity. Stabler B, et al. **Clin Pediatr (Phila)** 1991 Mar;30(3):156–60 (20 ref.)
Differential aspects of cognitive impairment in patients suffering from Parkinson's and Alzheimer's disease: a neuropsychological evaluation. Caltagirone C, et al. **Int J Neurosci** 1989 Jan;44(1–2):1–7 (22 ref.)
Cognitive function in diabetes mellitus. Richardson JT. **Neurosci Biobehav Rev** 1990 Winter;14(4):385–8 (60 ref.)
Neuropsychologic (cognitive) disabilities in long-term survivors of childhood cancer. Gamis AS, et al. **Pediatrician** 1991;18(1):11–9 (60 ref.)
Cognitive and mood-state changes in patients with chronic fatigue syndrome. Grafman J, et al. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S45–52 (64 ref.)
Psychiatric and cognitive aspects of multiple sclerosis. Stenager E, et al. **Semin Neurol** 1990 Sep;10(3):254–61 (62 ref.)
[Disseminated sclerosis: organic basis for mental disorders and cognitive dysfunction] Stenager E, et al. **Nord Med** 1991;106(2):43–4, 49 (15 ref.) (Eng. Abstr.) **(Dan)**
[Cognitive deficits in Parkinson's disease] Guillard A, et al. **Rev Neurol (Paris)** 1991;147(5):337–55 (224 ref.) (Eng. Abstr.) **(Fre)**
[Neuro-psychiatric symptoms in systemic lupus erythematosus] Kowal-Gierczak B, et al. **Psychiatr Pol** 1990 May–Jun;24(3):225–30 (36 ref.) **(Pol)**

GENETICS

Human behavioral genetics. Plomin R, et al. **Annu Rev Psychol** 1991;42:161–90 (210 ref.)

METABOLISM

Neurochemical aspects on aging and diseases with cognitive impairment. Gottfries CG. **J Neurosci Res** 1990 Dec; 27(4):541–7 (61 ref.)

PHYSIOPATHOLOGY

Dementia: animal models of the cognitive impairments following damage to the basal forebrain cholinergic system. Olton DS. **Brain Res Bull** 1990 Sep;25(3):499–502 (23 ref.)
Electrophysiological assessment of cognitive disorder in closed head-injured outpatients. Campbell KB, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:202–15 (47 ref.)
The prefrontal cortex in schizophrenia and other neuropsychiatric diseases: in vivo physiological correlates of cognitive deficits. Berman KF, et al. **Prog Brain Res** 1990;85:521–36; discussion 536–7 (52 ref.)
Neurometric studies of aging and cognitive impairment. John ER, et al. **Prog Brain Res** 1990;85:555–65 (7 ref.)
[Parkinson disease and cognitive evoked potentials] Fattapposta F, et al. **Riv Neurol** 1990 Nov–Dec;60(6):240–2 (14 ref.) (Eng. Abstr.) **(Ita)**

PSYCHOLOGY

Cognitive deficits in long-term survivors of childhood brain tumors. Glauser TA, et al. **Childs Nerv Syst** 1991 Feb; 7(1):2–12 (35 ref.)
Models of arithmetic fact retrieval: an evaluation in light of findings from normal and brain-damaged subjects. McCloskey M, et al. **J Exp Psychol [Learn Mem Cogn]** 1991 May;17(3):377–97 (47 ref.)
Cognitive-developmental systems theory in pervasive developmental disorders. Miller A. **Psychiatr Clin North Am** 1991 Mar;14(1):141–63 (53 ref.)

REHABILITATION

[Psychiatric aspect of rehabilitation of patients after cerebro-spinal injury (review of the literature)] Dobrokhotova TA, et al. **Zh Nevropatol Psikhiatr** 1990;90(12):94–100 (142 ref.) **(Rus)**
[Rehabilitation in old age: a neuropsychological perspective] Fernández Merino V, et al. **Arch Neurobiol (Madr)** 1990 Mar–Apr;53(2):81–3 (10 ref.) (Eng. Abstr.) **(Spa)**

COGNITIVE THERAPY

Morbid jealousy: a review and cognitive-behavioural formulation. Tarrier N, et al. **Br J Psychiatry** 1990 Sep; 157:319–26 (48 ref.)
Community psychiatric nursing and the depressed elderly: a case for using cognitive therapy. Hughes CP. **J Adv Nurs** 1991 May;16(5):565–72 (33 ref.)
Long-term outcome for patients with panic disorder treated with cognitive-behavioral therapy. Barlow DH. **J Clin Psychiatry** 1990 Dec;51 Suppl A:17–23 (32 ref.)
Cognitive therapy and pharmacotherapy for depression. Hollon SD, et al. **J Consult Clin Psychol** 1991 Feb; 59(1):88–99 (70 ref.)
Behavioral, cognitive, and pharmacological treatments of panic disorder with agoraphobia: critique and synthesis. Michelson LK, et al. **J Consult Clin Psychol** 1991 Feb; 59(1):100–14 (119 ref.)
Cognitive therapy with patients with chronic physical illness. Sensky T. **Psychother Psychosom** 1989;52(1–3):26–32 (26 ref.)
[Cognitive therapy in obsessive-compulsive disorders] Cottraux J. **Encephale** 1990 Jul–Aug;16 Spec No:347–53 (27 ref.) (Eng. Abstr.) **(Fre)**

METHODS

Anorexia nervosa and bulimia nervosa. Perspectives on etiology and cognitive behavior therapy. Støylen IJ, et al. **Acta Psychiatr Scand Suppl** 1990;361:52–8 (44 ref.)
Chronic musculoskeletal pain: a cognitive approach to psychophysiologic assessment and intervention. Ciccone DS, et al. **Adv Clin Rehabil** 1990;3:197–214 (26 ref.)
Behavioural and cognitive-behavioural treatments for epilepsy: a progress review. Goldstein LH. **Br J Clin Psychol** 1990 Sep;29 (Pt 3):257–69 (36 ref.)
Towards a cognitive-behavioural intervention for adult grief reactions [see comments] Kavanagh DJ. **Br J Psychiatry** 1990 Sep;157:373–83 (100 ref.) Comment in: Br J Psychiatry 1991 Feb;158:291.
Behavior analysis, cognitive therapy, and covert conditioning. Cautela JR, et al. **J Behav Ther Exp Psychiatry** 1990 Jun;21(2):83–90 (29 ref.)
Cognitive-behavioral approaches to personality disorders. Fleming B, et al. **Prog Behav Modif** 1990;25:119–51 (80 ref.)
Cognitive therapy for anxiety disorders. Oakley ME, et al. **Prog Behav Modif** 1990;25:11–46 (130 ref.)
Feminism and the cognitive theory of emotion: anger, blame and humor. Shibles W. **Women Health** 1991;17(1):57–69 (38 ref.)

TRENDS

Cognitive therapy. A 30-year retrospective. Beck AT. **Am Psychol** 1991 Apr;46(4):368–75 (70 ref.)

COHORT ANALYSIS see **COHORT STUDIES**

COHORT EFFECT

Understanding the effects of age, period, and cohort on incidence and mortality rates. Holford TR. **Annu Rev Public Health** 1991;12:425–57 (46 ref.)

COHORT STUDIES

Long-term prospective studies: the only solution? Kromhout D, et al. **Ann Nutr Metab** 1991;35 Suppl 1:93–7 (10 ref.)

Statistical issues in the analysis of data from occupational cohort studies. Breslow N. **Recent Results Cancer Res** 1990; 120:78–93 (50 ref.)

[Types of epidemiological study. Cohort studies] Gili M, et al. **Enferm Infecc Microbiol Clin** 1989 Nov;7(9):507–13 (14 ref.) **(Spa)**

COIN LESION, PULMONARY

DIAGNOSIS

[Current state and trends in the development of differential diagnosis of disseminated processes and spherical formations in the lungs based on scientific analysis of documented information flow] Matusevich VG, et al. **Probl Tuberk** 1991;(3):69–70 (9 ref.) **(Rus)**

RADIOGRAPHY

Radiographic evaluation of focal lung disease. Naidich DP, et al. **Clin Chest Med** 1991 Mar;12(1):77–95 (82 ref.)

THERAPY

Management of solitary pulmonary nodules. Lillington GA. **Dis Mon** 1991 May;37(5):271–318 (187 ref.)

COITUS

Sexual headaches: case report, review, and treatment with calcium blocker. Akpunonu BE, et al. **Headache** 1991 Mar; 31(3):141–5 (48 ref.)

Gallagher lecture. Teenagers and sexual risk taking: the best of times and the worst of times. Cates W Jr. **J Adolesc Health** 1991 Mar;12(2):84–94 (55 ref.)

PHYSIOLOGY

[Sex and hypertension] Wocial B, et al. **Kardiol Pol** 1990; 33(5):320–7 (68 ref.) **(Pol)**

COL FACTORS see **COLICIN FACTORS**

COLCHICINE

CHEMISTRY

Chemistry of colchicine. Muzaffar A, et al. **Pharmacol Ther** 1991;49(1–2):105–9 (35 ref.)

PHARMACOLOGY

Colchicine: a state-of-the-art review. Levy M, et al. **Pharmacotherapy** 1991;11(3):196–211 (168 ref.)

THERAPEUTIC USE

Colchicine and antineoplastic therapy for the prevention of restenosis after percutaneous coronary interventions. Muller DW, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):126B–131B (49 ref.)

Colchicine--expanding horizons. Schattner A. **Postgrad Med J** 1991 Mar;67(785):223–6 (57 ref.)

[Familial amyloidosis of AL type and factor X deficiency. The valve of long-term colchicine administration (letter)] De Wazières B, et al. **Ann Med Interne (Paris)** 1990; 141(4):388–90 (11 ref.) **(Fre)**

[Periodic disease and pregnancy] Cousin C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991;20(4):554–61 (39 ref.) (Eng. Abstr.) **(Fre)**

TOXICITY

Neurotoxic effects of colchicine. Mundy WR, et al. **Neurotoxicology** 1990 Fall;11(3):539–47 (60 ref.)

COLD

see related
CRYOSURGERY
FROSTBITE
HYPOTHERMIA
HYPOTHERMIA, INDUCED
IMMERSION FOOT
REFRIGERATION
SHIVERING

Isocapnic hyperventilation for measuring airway hyperresponsiveness in asthma and in chronic obstructive pulmonary disease. O'Byrne PM, et al. **Am Rev Respir Dis** 1991 Jun;143(6):1444–5 (9 ref.)

Cold denaturation of proteins. Privalov PL. **Crit Rev Biochem Mol Biol** 1990;25(4):281–305 (144 ref.)

ADVERSE EFFECTS

Current concerns in haematology. 1. Is the painful crisis of sickle cell disease a "steal" syndrome? Serjeant GR, et al. **J Clin Pathol** 1990 Oct;43(10):789–91 (28 ref.)

The role of cold in ischaemic heart disease: a review. Lloyd EL. **Public Health** 1991 May;105(3):205–15 (106 ref.)

COLD AGGLUTININ DISEASE see **ANEMIA, HEMOLYTIC, AUTOIMMUNE**

COLD CLIMATE

[Interrelations between functional changes and health status and climatic factors of Extreme North (review)] Dedenko II, et al. **Gig Sanit** 1990 Jul;(7):4–9 (58 ref.) **(Rus)**

COLD, COMMON see **COMMON COLD**

COLD-INSOLUBLE GLOBULINS see **FIBRONECTINS**

COLECTOMY

The pelvic ileal reservoir: pathology and pouchitis. Shepherd NA. **Neth J Med** 1990 Aug;37 Suppl 1:S57–64 (33 ref.)

METHODS

Surgical aspects of severe chronic non-Hirschsprung constipation. Coremans GE. **Hepatogastroenterology** 1990 Dec;37(6):588–95 (60 ref.)

[Surgical techniques in Crohn disease and ulcerative colitis] Waninger J, et al. **Fortschr Med** 1991 Apr 10;109(11):242–4 (0 ref.) (Eng. Abstr.) **(Ger)**

REHABILITATION

[Functional results of ileo-rectal and ileo-anal reservoirs after complete colectomy for inflammatory disease (ulcero-hemorrhagic recto-colitis)] Mignon M, et al. **Ann Gastroenterol Hepatol (Paris)** 1990 Nov;26(6):247–50 (22 ref.) **(Fre)**

COLEOPTERA

GROWTH & DEVELOPMENT

Constant topological organization of the coleopteran metamorphosing nervous system: analysis of persistent elements in the nervous system of Tenebrio molitor. Breidbach O. **J Neurobiol** 1990 Oct;21(7):990–1001 (55 ref.)

COLIC

[Ureteral colic] D'Imperio M, et al. **AMB Rev Assoc Med Bras** 1990 Jan–Mar;36(1):18–20 (21 ref.) **(Por)**

[Infant colic] Jordán NB, et al. **Bol Asoc Med P R** 1990 Jul; 82(7):302–6 (28 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Irrepressible renal colic from spontaneous subcapsular hematoma as a sign of presentation of renal neoplasia. Case report and review of the literature. Fornarola V, et al. **Arch Esp Urol** 1990 Sep;43(7):801–5 (16 ref.)

VETERINARY

Sir Frederick Hobday Memorial Lecture. All wind and water: some progress in the study of equine gut motility. Gerring EL. **Equine Vet J** 1991 Mar;23(2):81–5 (18 ref.)

COLICIN FACTORS

GENETICS

Control of ColE1 plasmid replication by antisense RNA. Cesareni G, et al. **Trends Genet** 1991 Jul;7(7):230–5 (34 ref.)

COLICINES see **COLICINS**

COLICINS

BIOSYNTHESIS

The ins and outs of colicins. Part I: Production, and translocation across membranes. Pugsley AP. **Microbiol Sci** 1984 Oct;1(7):168–75 (35 ref.)

PHARMACOLOGY

[Channel-forming proteins. III. Colicins] Krasil'nikov OV. **Biol Nauki** 1990;(10):5–20 (53 ref.) (Eng. Abstr.) **(Rus)**

TOXICITY

The ins and outs of colicins. Part II. Lethal action, immunity and ecological implications. Pugsley AP. **Microbiol Sci** 1984 Nov;1(8):203–5 (17 ref.)

COLIFORM BACILLI see **ENTEROBACTERIACEAE**

COLIPHAGE LAMBDA see **PHAGE LAMBDA**

COLIPHAGE PHI X 174 see **PHAGE PHI X 174**

COLIPHAGES

GENETICS

Interactions between satellite bacteriophage P4 and its helpers. Christie GE, et al. **Annu Rev Genet** 1990;24:465–90 (118 ref.)

Cloning in M13 phage or how to use biology at its best. Messing J. **Gene** 1991 Apr;100:3–12 (36 ref.)

Specific interaction between RNA phage coat proteins and RNA. Witherell GW, et al. **Prog Nucleic Acid Res Mol Biol** 1991;40:185–220 (196 ref.)

[Origin of DNA replication of filamentous coliphages] Horiuchi K. **Idengaku Zasshi** 1990 Aug;65(4):225–41 (48 ref.) **(Jpn)**

COLIPHAGES T see **T-PHAGES**

COLITIS

CHEMICALLY INDUCED

Hemorrhagic colitis and pseudomelanosis coli in ipecac ingestion by proxy. Johnson JE, et al. **J Pediatr Gastroenterol Nutr** 1991 May;12(4):501–6 (26 ref.)

COMPLICATIONS

Disseminated, nonmeningeal gastrointestinal cryptococcal infection in an HIV-negative patient. Daly JS, et al. **Am J Gastroenterol** 1990 Oct;85(10):1421–4 (18 ref.)

Cytomegalovirus colitis and wasting. Kotler DP. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S36–41 (5 ref.)

[Colitis-watery diarrhea syndrome: microscopic and collagenous colitis] Rampal P. **Rev Med Suisse Romande** 1991 Jun;111(6):531–7 (49 ref.) **(Fre)**

ETIOLOGY

Amyloidosis of the colon presenting as ischemic colitis: a case report and review of the literature. Trinh TD, et al. **Gastrointest Radiol** 1991 Spring;16(2):133–6 (25 ref.)

MICROBIOLOGY

Yersinia enterocolitica abscess of the transverse colon. Report of a case. Sanford AH. **Dis Colon Rectum** 1990 Nov;33(11):985–6 (6 ref.)

Verotoxic Escherichia coli in human disease. Rosensweig JN, et al. **J Pediatr Gastroenterol Nutr** 1991 Apr;12(3):295–304 (80 ref.)

PATHOLOGY

Microscopic colitis. Kingham JG. **Gut** 1991 Mar;32(3):234–5 (14 ref.)

Collagenous colitis: report of nine cases and review of the literature. Gubbins GP, et al. **South Med J** 1991 Jan; 84(1):33–7 (36 ref.)

[Collagenous colitis] Lindström CG. **Leber Magen Darm** 1991 May;21(3):103–4, 106 (30 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Collagenous colitis: pathophysiologic considerations. Stampfl DA, et al. **Dig Dis Sci** 1991 Jun;36(6):705–11 (42 ref.)

The starved colon--diminished mucosal nutrition, diminished absorption, and colitis. Roediger WE. **Dis Colon Rectum** 1990 Oct;33(10):858–62 (57 ref.)

RADIOGRAPHY

[Radiologic study of colitis] Cirillo LC, et al. **Radiol Med (Torino)** 1990 Nov;80(5):696–702 (24 ref.) **(Ita)**

RADIONUCLIDE IMAGING

Preoperative prediction of extent and severity of ischemic colitis by imaging with in-111 labeled leukocytes. Vijayakumar V, et al. **Clin Nucl Med** 1991 Feb;16(2):98–102 (41 ref.)

COLITIS, GRANULOMATOUS see **CROHN DISEASE**

COLITIS, MUCOUS see **COLONIC DISEASES, FUNCTIONAL**

COLITIS, PSEUDOMEMBRANOUS see **ENTEROCOLITIS, PSEUDOMEMBRANOUS**

COLITIS, ULCERATIVE

Ulcerative colitis in Israel: epidemiology, morbidity, and genetics. Odes HS, et al. **Public Health Rev** 1989–90; 17(4):297–319 (56 ref.)

[Idiopathic proctocolitis. Follow-up (1–13 years) of 71 patients] Martins P, et al. **Acta Med Port** 1990 May–Jun; 3(3):159–63 (16 ref.) (Eng. Abstr.) **(Por)**

COMPLICATIONS

Cerebrovascular complications of inflammatory bowel

disease. Johns DR. **Am J Gastroenterol** 1991 Mar; 86(3):367–70 (45 ref.)
Ulcerative colitis--what is the risk of developing colorectal cancer? Whelan G. **Aust N Z J Med** 1991 Feb;21(1):71–7 (43 ref.)
Screening for colorectal cancer in ulcerative colitis: dubious benefits and high costs [see comments] Gyde S. **Gut** 1990 Oct;31(10):1089–92 (21 ref.) Comment in: Gut 1991 Jun;32(6):721–3.
[Hepatobiliary complications of chronic inflammatory bowel diseases] Walker S, et al. **Med Klin** 1990 Oct 15; 85(10):608–15 (133 ref.) **(Ger)**
[Toxic megacolon] Eigler FW. **Z Gastroenterol Verh** 1991 Mar;26:31–2 (14 ref.) **(Ger)**
[Complications of ulcerative colitis] Skulina D, et al. **Pol Tyg Lek** 1990 Dec 3–10;45(49–50):1018–20 (15 ref.) **(Pol)**
[Rheumatological syndromes in nonspecific ulcerative colitis and Crohn's disease] Krikunov VP, et al. **Ter Arkh** 1991; 63(5):140–4 (53 ref.) **(Rus)**
[Acute pleuropericarditis and cardiac tamponade as extraintestinal complications of ulcerative colitis] González Martín T, et al. **An Med Interna** 1990 Nov;7(11):581–4 (14 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Exacerbation of ulcerative colitis [clinical conference] Hermens DJ, et al. **Gastroenterology** 1991 Jul;101(1):254–62 (74 ref.)
Perianal complications in Crohn's disease. Goebell H. **Neth J Med** 1990 Aug;37 Suppl 1:S47–51 (22 ref.)

DRUG THERAPY

Mesalamine in ulcerative colitis. Fitzgerald JM, et al. **DICP** 1991 Feb;25(2):140–5 (68 ref.)
Sulphasalazine in ulcerative colitis: in memoriam? Hayllar J, et al. **Gut** 1991 May;32(5):462–3 (28 ref.)
5-ASA enema therapy. Hanauer SB. **Neth J Med** 1989 Jun; 35 Suppl 1:S11–20 (48 ref.)
Topical corticosteroids in inflammatory bowel disease. Mulder CJ, et al. **Neth J Med** 1989 Jun;35 Suppl 1:S27–34 (36 ref.)
Pharmacology of cyclosporin A (Sandimmun) and clinical experience in inflammatory bowel diseases. Feutren G, et al. **Schweiz Med Wochenschr** 1991 May 18;121(20):748–53 (39 ref.)
[Conservative therapy of ulcerative colitis and Crohn disease] Rasenack J, et al. **Fortschr Med** 1991 Apr 10;109(11):245–7 (0 ref.) (Eng. Abstr.) **(Ger)**
[Drug therapy of chronic inflammatory intestinal diseases (see comments)] Raedler A, et al. **Immun Infekt** 1990 Aug; 18(4):121–6 (52 ref.) (Eng. Abstr.) Comment in: Immun Infekt 1990 Aug;18(4):109. **(Ger)**
[Aminosalicylates in the treatment of chronic inflammatory bowel diseases] Hartmann F, et al. **Internist (Berl)** 1990 Nov;31(11):702–6 (51 ref.) **(Ger)**
[Therapy of chronic inflammatory bowel diseases] Peskar BM. **Verh Dtsch Ges Inn Med** 1990;96:706–12 (19 ref.) **(Ger)**
[New developments in therapy with 5-aminosalicylic acid preparations in ulcerative colitis and Crohn disease] Kruis W. **Z Gastroenterol Verh** 1991 Mar;26:154–6 (35 ref.) **(Ger)**
[Current principles of chemotherapy of nonspecific ulcerative colitis in children] Denisova MF. **Pediatriia** 1990;(7):97–101 (62 ref.) **(Rus)**

ETIOLOGY

Inflammatory bowel disease. Part I: Nature and pathogenesis. Kirsner JB. **Dis Mon** 1991 Oct;37(10):605–66 (265 ref.)
The role of reactive oxygen metabolites in the pathogenesis of ulcerative colitis: a speculative synthesis. Rózga J. **Mater Med Pol** 1989 Oct–Dec;21(4):263–8 (96 ref.)
Etiology of inflammatory bowel diseases: where have we been? Where are we going? Gitnick G. **Scand J Gastroenterol Suppl** 1990;175:93–6 (33 ref.)
[Platelet activating factor as a mediator of lesions of the digestive system] Polonskiĭ VM. **Klin Med (Mosk)** 1990 Aug;68(8):27–31 (39 ref.) **(Rus)**

IMMUNOLOGY

[Mediators of inflammation and hemorrhagic rectocolitis] Chaussade S, et al. **Ann Gastroenterol Hepatol (Paris)** 1991 May;27(3):117–21 (23 ref.) **(Fre)**
[Changes in the immune system of the gastrointestinal tract in Crohn disease (see comments)] Voss A, et al. **Immun Infekt** 1990 Aug;18(4):111–4 (25 ref.) (Eng. Abstr.) Comment in: Immun Infekt 1990 Aug;18(4):109. **(Ger)**
[Distribution of lymphocyte subpopulations and plasma cells in the colonic mucosa of children with ulcerative colitis] Arató A, et al. **Orv Hetil** 1990 Sep 2;131(35):1913–8 (32 ref.) (Eng. Abstr.) **(Hun)**

METABOLISM

Nitrite from inflammatory cells--a cancer risk factor in ulcerative colitis? Roediger WE, et al. **Dis Colon Rectum** 1990 Dec;33(12):1034–6 (26 ref.)
[The role of arachidonic acid metabolism in the pathophysiology of chronic inflammatory intestinal diseases (see comments)] Schreiber S, et al. **Immun Infekt** 1990 Aug; 18(4):115–20 (47 ref.) (Eng. Abstr.) Comment in: Immun Infekt 1990 Aug;18(4):109. **(Ger)**

PATHOLOGY

Polypoid and pseudopolypoid manifestations of inflammatory bowel disease. Buck JL, et al. **Radiographics** 1991 Mar; 11(2):293–304 (17 ref.)
[Idiopathic ulcerative proctitis. Clinical presentation and endoscopic outcome] Siproudhis L, et al. **Gastroenterol Clin Biol** 1991;15(4):315–21 (38 ref.) (Eng. Abstr.) **(Fre)**
[Flow cytometry results in patients with ulcerative colitis and Barrett esophagus. An additional diagnostic tool in the early diagnosis of a malignant transformation?] Porschen R, et al. **Z Gastroenterol** 1990 Sep;28(9):458–61 (52 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

The role of a colonic motility disturbance in ulcerative colitis. Snape WJ Jr. **Keio J Med** 1991 Mar;40(1):6–8 (20 ref.)

PSYCHOLOGY

[Psychosomatic aspects of inflammatory bowel diseases] Scheib P, et al. **Fortschr Med** 1991 Apr 20;109(12):258–60 (21 ref.) (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

[Scintigraphy using labelled sucralfate in the diagnosis of chronic idiopathic inflammatory diseases of the intestine] Del Piano M, et al. **Ann Ital Med Int** 1988 Apr–Jun; 3(2):126–31 (13 ref.) (Eng. Abstr.) **(Ita)**

SURGERY

Surgical options in ulcerative colitis: role of ileo-anal anastomosis. Keighley MR, et al. **Aust N Z J Surg** 1990 Nov;60(11):835–48 (120 ref.)
Determinants of ileoanal pouch function. Levitt MD, et al. **Gut** 1991 Feb;32(2):126–7 (40 ref.)
The pelvic ileal reservoir: pathology and pouchitis. Shepherd NA. **Neth J Med** 1990 Aug;37 Suppl 1:S57–64 (33 ref.)
Inflammatory bowel disease revisited: surgery today and tomorrow. Alexander-Williams J. **Scand J Gastroenterol Suppl** 1990;175:107–12 (9 ref.)
[The choice of surgical procedure in hemorrhagic rectocolitis] Colin R. **Ann Gastroenterol Hepatol (Paris)** 1990 Nov;26(6):255–6 (8 ref.) **(Fre)**
[The surgical treatment of ulcero-hemorrhagic rectocolitis. Technics and surgical results] de Calan L. **Ann Gastroenterol Hepatol (Paris)** 1990 Nov;26(6):243–5 (7 ref.) **(Fre)**
[Functional results of ileo-rectal and ileo-anal reservoirs after complete colectomy for inflammatory disease (ulcero-hemorrhagic recto-colitis)] Mignon M, et al. **Ann Gastroenterol Hepatol (Paris)** 1990 Nov;26(6):247–50 (22 ref.) **(Fre)**
[Adenocarcinoma at an ileostomy site after colectomy for ulcerative colitis] Ferrandez Rivera M, et al. **J Chir (Paris)** 1990 Aug–Sep;127(8–9):412–5 (18 ref.) (Eng. Abstr.) **(Fre)**
[Ulcerative colitis: quality of life after surgical therapy] Köhler L, et al. **Dtsch Med Wochenschr** 1991 Sep 6; 116(36):1362–7 (54 ref.) **(Ger)**
[Surgical indications in ulcerative colitis and Crohn disease] Lausen M, et al. **Fortschr Med** 1991 Apr 10;109(11):238–41 (19 ref.) (Eng. Abstr.) **(Ger)**
[Surgical techniques in Crohn disease and ulcerative colitis] Waninger J, et al. **Fortschr Med** 1991 Apr 10;109(11):242–4 (0 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

[Prerequisites for therapy of inflammatory bowel diseases. Pathophysiology--symptomatology--diagnosis] Haag K, et al. **Fortschr Med** 1991 Apr 10;109(11):232–7 (0 ref.) (Eng. Abstr.) **(Ger)**
[Medical treatment of inflammatory intestinal diseases] Järnerot G. **Nord Med** 1991;106(4):104–6 (15 ref.) (Eng. Abstr.) **(Swe)**

COLLAGEN

Optimization of the microenvironment for mammalian cell culture in flexible collagen microspheres in a fluidized-bed bioreactor. Vournakis JN, et al. **Biotechnology** 1991; 17:305–26 (53 ref.)
Silicone, fibrel, and collagen implantation for facial lines and wrinkles. Pollack SV. **J Dermatol Surg Oncol** 1990 Oct; 16(10):957–61 (16 ref.)
Collagen: a multifunctional family of proteins. Lindblad WJ, et al. **J Reconstr Microsurg** 1991 Jan;7(1):37–43 (47 ref.)

ADMINISTRATION & DOSAGE

Immune responses to allogeneic and xenogeneic implants of collagen and collagen derivatives. DeLustro F, et al. **Clin Orthop** 1990 Nov;(260):263–79 (129 ref.)

ADVERSE EFFECTS

Oral tolerance and collagen arthritis. Staines NA. **Br J Rheumatol** 1991;30 Suppl 2:40–3 (31 ref.)

ANALYSIS

The collagen fibril--a model system for studying the staining and fixation of a protein. Chapman JA, et al. **Electron Microsc Rev** 1990;3(1):143–82 (80 ref.)

BIOSYNTHESIS

Control of type I collagen formation in the lung. Goldstein RH. **Am J Physiol** 1991 Aug;261(2 Pt 1):L29–40 (174 ref.)
Regulation of lung collagen production during wound healing. Laurent GJ. **Chest** 1991 Mar;99(3 Suppl):67S–69S (36 ref.)
Synthesis of basement membrane proteins in the small intestine. Simon-Assmann P, et al. **Digestion** 1990;46 Suppl 2:12–21 (29 ref.)
Collagen and the myocardium: fibrillar structure, biosynthesis and degradation in relation to hypertrophy and its regression. Eghbali M, et al. **Mol Cell Biochem** 1990 Jul 17;96(1):1–14 (93 ref.)
Stereospecific effect of vitamin C on collagen synthesis is determined by differences in cell transport. **Nutr Rev** 1991 Jan;49(1):26–7 (3 ref.)

BLOOD

Bone protein and peptide assays in the diagnosis and management of skeletal disease. Deftos LJ. **Clin Chem** 1991 Jul;37(7):1143–8 (66 ref.)
[Clinical significance of serum concentration of connective tissue components in cases of organic fibroses] Kropf J, et al. **Z Med Lab Diagn** 1991;32(3–4):150–8 (13 ref.) **(Ger)**

CHEMISTRY

Molecular pathology of collagen in cutaneous diseases. Uitto J. **Adv Dermatol** 1991;6:265–86; discussion 287 (84 ref.)
The zipper-like folding of collagen triple helices and the effects of mutations that disrupt the zipper. Engel J, et al. **Annu Rev Biophys Biophys Chem** 1991;20:137–52 (37 ref.)
Collagens as multidomain proteins [published erratum appears in Biochimie 1991 Jan;73(1):127] van der Rest M, et al. **Biochimie** 1990 Jun-Jul;72(6–7):473–84 (77 ref.)
The cartilage collagens and joint degeneration. Eyre DR, et al. **Br J Rheumatol** 1991;30 Suppl 1:10–5 (37 ref.)
FACIT collagens: diverse molecular bridges in extracellular matrices. Shaw LM, et al. **Trends Biochem Sci** 1991 May; 16(5):191–4 (28 ref.)
[Collagen type IV: major component of basement membranes. Current knowledge] Mercier P, et al. **Ann Biol Clin (Paris)** 1990;48(10):695–711 (261 ref.) (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Effects of antihypertensive drug classes on regression of connective tissue components of hypertension. Keeley FW, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S64–9 (40 ref.)

GENETICS

Molecular biology of the cuticle collagen gene families of Caenorhabditis elegans and Haemonchus contortus. Cox GN. **Acta Trop (Basel)** 1990 Jul;47(5–6):269–81 (32 ref.)
Collagen types and chondrogenesis. Mayne R. **Ann N Y Acad Sci** 1990;599:39–44 (35 ref.)
Clinical screening for collagen defects in connective tissue diseases. Cohn DH, et al. **Clin Perinatol** 1990 Dec; 17(4):793–809 (107 ref.)
Mutations in collagen genes: causes of rare and some common diseases in humans. Kuivaniemi H, et al. **FASEB J** 1991 Apr;5(7):2052–60 (38 ref.)
Collagen gene expression and tooth development. An overview. Andujar MB, et al. **J Biol Buccale** 1990 Jun; 18(2):117–22 (51 ref.)
Brittle bones--fragile molecules: disorders of collagen gene structure and expression. Byers PH. **Trends Genet** 1990 Sep; 6(9):293–300 (48 ref.)

IMMUNOLOGY

Acquired epidermolysis bullosa. A bullous disease associated with autoimmunity to type VII (anchoring fibril) collagen. Woodley DT, et al. **Dermatol Clin** 1990 Oct;8(4):717–26 (42 ref.)
Type II collagen autoimmunity in animals and provocations leading to arthritis. Holmdahl R, et al. **Immunol Rev** 1990 Dec;118:193–232 (149 ref.)
Autoimmunity to collagen II and myelin basic protein: comparative studies in humans and rodents. Klareskog L, et al. **Immunol Rev** 1990 Dec;118:285–310 (114 ref.)
Epidermolysis bullosa acquisita: a disease of autoimmunity to type VII collagen. Gammon WR. **J Autoimmun** 1991 Feb;4(1):59–71 (37 ref.)

ISOLATION & PURIFICATION

The Goodpasture antigen. Wieslander J. **Contrib Nephrol** 1990;80:56–67 (40 ref.)

METABOLISM

Control of collagen strength in bowel anastomoses: current status and future prospects. Agrez MV.

Aust N Z J Surg 1991 Mar;61(3):179–82 (46 ref.)
Multiple ligand binding functions for VLA-2 (alpha 2 beta 1) and VLA-3 (alpha 3 beta 1) in the integrin family. Hemler ME, et al. **Cell Differ Dev** 1990 Dec 2;32(3):229–38 (32 ref.)
Collagenous colitis: pathophysiologic considerations. Stampfl DA, et al. **Dig Dis Sci** 1991 Jun;36(6):705–11 (42 ref.)
Penicillamine and disorders affecting dermal collagen. Moynahan EJ. **Proc R Soc Med** 1977;70 Suppl 3:73–4 (2 ref.)
Mechanism of inhibition of collagen crosslinking by penicillamine. Nimni ME. **Proc R Soc Med** 1977;70 Suppl 3:65–72 (29 ref.)
Nonenzymatic glycation of collagen in aging and diabetes. Reiser KM. **Proc Soc Exp Biol Med** 1991 Jan;196(1):17–29 (124 ref.)
[Collagenous colitis] Lindström CG. **Leber Magen Darm** 1991 May;21(3):103–4, 106 (30 ref.) (Eng. Abstr.) **(Ger)**
[In vitro studies of the effect of growth factors on the connective tissue] Węglarz L, et al. **Postepy Hig Med Dosw** 1989;43(2–4):255–74 (129 ref.) (Eng. Abstr.) **(Pol)**
[Anticollagenolytic effect of tetracycline and its therapeutic use] Grabowska-Bochenek R, et al. **Przegl Lek** 1990; 47(3):353–4 (0 ref.) **(Pol)**
[The role of fibronectin in the development of fibrosis] Iaglov VV, et al. **Vestn Akad Med Nauk SSSR** 1991;(2):50–2 (18 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The contribution of collagenous proteins to tissue-specific matrix assemblies. Gordon MK, et al. **Curr Opin Cell Biol** 1990 Oct;2(5):833–8 (15 ref.)
Molecules of the extracellular matrix: potential role of collagens and glycoproteins in intestinal adaptation. Schuppan D, et al. **Digestion** 1990;46 Suppl 2:2–11 (53 ref.)
From regeneration to scar formation: the collagen way [editorial] Rojkind M. **Lab Invest** 1991 Feb;64(2):131–4 (35 ref.)
Collagen and collagenase: pregnancy and parturition. Jeffrey JJ. **Semin Perinatol** 1991 Apr;15(2):118–26 (51 ref.)

THERAPEUTIC USE

[The injectable collagens. Technique of implantation, indications, limits] Schnitzler L. **Rev Fr Gynecol Obstet** 1991 Jun;86(6):469–73 (16 ref.) (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Crimp morphology in the fibre-forming collagens. Gathercole LJ, et al. **Matrix** 1991 Jun;11(3):214–34 (72 ref.)
Myocardial connective tissue alterations. Caulfield JB, et al. **Toxicol Pathol** 1990;18(4 Pt 1):488–96 (36 ref.)

COLLAGEN DISEASES

Rheumatology. Asherson RA, et al. **Postgrad Med J** 1991 Feb;67(784):114–39 (249 ref.)

COMPLICATIONS

Protein losing enteropathy associated with collagen diseases. Tsutsumi A, et al. **Ann Rheum Dis** 1991 Mar;50(3):178–81 (20 ref.)
The nail apparatus in collagen disorders. Tosti A. **Semin Dermatol** 1991 Mar;10(1):71–6 (34 ref.)
[Spinal cord manifestations] Haas J. **Verh Dtsch Ges Inn Med** 1990;96:554–68 (37 ref.) **(Ger)**
[Lesions of the cranial nerves and brain stem] Malin JP. **Verh Dtsch Ges Inn Med** 1990;96:547–53 (22 ref.) **(Ger)**
[Peripheral neuropathies] Neundörfer B. **Verh Dtsch Ges Inn Med** 1990;96:569–75 (56 ref.) **(Ger)**
[Cerebral manifestations] Schimrigk K. **Verh Dtsch Ges Inn Med** 1990;96:541–6 (41 ref.) **(Ger)**

DRUG THERAPY

[Treatment of systemic diseases with pulse cyclophosphamide: 15 cases] Amoura Z, et al. **Ann Med Interne (Paris)** 1990;141(5):416–20 (24 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

[Fibronectin and immune complexes in rheumatic diseases] Mazepa MA. **Vestn Akad Med Nauk SSSR** 1991;(4):57–61 (46 ref.) (Eng. Abstr.) **(Rus)**

PATHOLOGY

Collagen disorders and skeletal dysplasias. Bonaventure J, et al. **Curr Opin Rheumatol** 1990 Feb;2(1):38–43 (24 ref.)
Collagenous colitis: report of nine cases and review of the literature. Gubbins GP, et al. **South Med J** 1991 Jan; 84(1):33–7 (36 ref.)
[Collagenous colitis] Lindström CG. **Leber Magen Darm** 1991 May;21(3):103–4, 106 (30 ref.) (Eng. Abstr.) **(Ger)**

COLLAGEN TYPE I see **COLLAGEN**

COLLAGEN TYPE II see **COLLAGEN**

COLLAGEN TYPE III see **COLLAGEN**

COLLAGEN TYPE IV see **COLLAGEN**

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COLLAGEN TYPE VIII see **COLLAGEN**

COLLAGEN TYPE IX see **COLLAGEN**

COLLAGEN TYPE X see **COLLAGEN**

COLLAGENASE see **CLOSTRIDIUM HISTOLYTICUM COLLAGENASE**

COLLATERAL CIRCULATION

Neurohumoral regulation of collateral perfusion. Harrison DG, et al. **Circulation** 1991 May;83(5 Suppl):III62–7 (20 ref.)

DRUG EFFECTS

[The collateral coronary circulation and the problem of its pharmacological stimulation] Gatsura VV. **Usp Fiziol Nauk** 1990 Jul–Sep;21(3):19–37 (64 ref.) **(Rus)**

PHYSIOLOGY

Neurohumoral regulation of coronary collateral vasomotor tone. Harrison DG, et al. **Basic Res Cardiol** 1990;85 Suppl 1:121–9 (23 ref.)
Development of collaterals in the cerebral circulation. Coyle P, et al. **Blood Vessels** 1991;28(1–3):183–9 (12 ref.)
Exercise training and coronary collateral circulation. Franklin BA. **Med Sci Sports Exerc** 1991 Jun;23(6):648–53 (50 ref.)

COLLICULUS, INFERIOR see **INFERIOR COLLICULUS**

COLLICULUS, SUPERIOR see **SUPERIOR COLLICULUS**

COLLOIDS

Structures in colloidal physical chemistry. Prost J, et al. **Nature** 1991 Apr 18;350(6319 Suppl):11–23 (125 ref.)
[Value of the new drug carriers in ophthalmology: liposomes and nanoparticles] Marchal-Heussler L, et al. **J Fr Ophtalmol** 1990;13(11–12):575–82 (35 ref.) **(Fre)**

ADVERSE EFFECTS

Toxic effects of colloids in the intensive care unit. Nearman HS, et al. **Crit Care Clin** 1991 Jul;7(3):713–23 (26 ref.)

CHEMISTRY

Physiopathological and physicochemical considerations in targeting of colloids and drug carriers to the bone marrow. Moghimi SM, et al. **Crit Rev Ther Drug Carrier Syst** 1990; 7(3):187–209 (128 ref.)

THERAPEUTIC USE

Colloids versus crystalloids in fluid resuscitation: an analysis of randomized controlled trials [see comments] Bisonni RS, et al. **J Fam Pract** 1991 Apr;32(4):387–90 (33 ref.) Comment in: J Fam Pract 1991 Jul;33(1):15.

COLOBOMA

COMPLICATIONS

[Chorioretinal coloboma and neovascular membrane] Rouland JF, et al. **Bull Soc Ophtalmol Fr** 1990 Jun–Jul; 90(6–7):643–4 (3 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Iris coloboma, ptosis, hypertelorism, and mental retardation: a new syndrome possibly localised on chromosome 2. Pallotta R. **J Med Genet** 1991 May;28(5):342–4 (7 ref.)

SURGERY

[Krypton laser treatment of macular retinal detachment associated with optic nerve pit] Sampoux P, et al. **Bull Soc Ophtalmol Fr** 1990 Aug–Sep;90(8–9):783–7 (7 ref.) (Eng. Abstr.) **(Fre)**

COLON

see related
COLOSTOMY

ABNORMALITIES

Megacystis-microcolon-intestinal hypoperistalsis syndrome in two male siblings. Garber A, et al. **Prenat Diagn** 1990 Jun;10(6):377–87 (26 ref.)

ANATOMY & HISTOLOGY

[Report: anatomy, histology and physiology of the intestinal segments involved in urinary entero-cystoplasty] Van Velthoven R. **Acta Urol Belg** 1991;59(2):11–33 (23 ref.) **(Fre)**

BLOOD SUPPLY

Preoperative prediction of extent and severity of ischemic colitis by imaging with in-111 labeled leukocytes. Vijayakumar V, et al. **Clin Nucl Med** 1991 Feb;16(2):98–102 (41 ref.)
Amyloidosis of the colon presenting as ischemic colitis: a case report and review of the literature. Trinh TD, et al. **Gastrointest Radiol** 1991 Spring;16(2):133–6 (25 ref.)
Acute colorectal ischaemia after anaphylactoid shock. Travis S, et al. **Gut** 1991 Apr;32(4):443–6 (38 ref.)
[Intestinal ischemia after surgery of the infrarenal aorta. Apropos of 13 cases] Dahan P, et al. **Ann Chir** 1991; 45(5):402–7 (29 ref.) (Eng. Abstr.) **(Fre)**
[Colonic angiodysplasia with chronic digestive hemorrhage cured after valvular replacement for aortic valve stenosis] Obadia JF, et al. **Arch Mal Coeur Vaiss** 1991 Apr; 84(4):569–72 (26 ref.) (Eng. Abstr.) **(Fre)**

CYTOLOGY

Immunocytochemical localization of the intracellular sites of sialylation in rat hepatocytes and colonic epithelial cells. Taatjes DJ. **Acta Histochem Suppl** 1990;40:9–21 (49 ref.)

DRUG EFFECTS

Aberrant crypt foci in the detection of colon carcinogens. Bruce WR. **Prog Clin Biol Res** 1990;347:129–37 (24 ref.)

INJURIES

Portal venous barium intravasation complicating barium enema examination. Wheatley MJ, et al. **Surgery** 1991 Jun; 109(6):788–91 (12 ref.)

INNERVATION

On the function of spinal primary afferent fibres supplying colon and urinary bladder. Jänig W, et al. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S89–96 (33 ref.)

METABOLISM

Clinical significance of colonic fermentation. Royall D, et al. **Am J Gastroenterol** 1990 Oct;85(10):1307–12 (69 ref.)
Ion channels and colonic salt transport. Dawson DC. **Annu Rev Physiol** 1991;53:321–39 (119 ref.)
Passage of starch into the colon of humans: quantitation and implications. McBurney MI. **Can J Physiol Pharmacol** 1991 Jan;69(1):130–6 (78 ref.)
Collagenous colitis: pathophysiologic considerations. Stampfl DA, et al. **Dig Dis Sci** 1991 Jun;36(6):705–11 (42 ref.)
Metabolism of large bowel mucosa in health and disease. Latella G, et al. **Int J Colorectal Dis** 1991 May;6(2):127–32 (72 ref.)
[Ion and water transport in human large intestine in the normal state and pathology] Loginov AS, et al. **Klin Med (Mosk)** 1990 Sep;68(9):28–31 (36 ref.) **(Rus)**

MICROBIOLOGY

Polysaccharide utilization by human colonic bacteria. Salyers AA. **Adv Exp Med Biol** 1990;270:151–8 (19 ref.)
Microbially controlled drug delivery to the colon. Rubinstein A. **Biopharm Drug Dispos** 1990 Aug–Sep;11(6):465–75 (48 ref.)
Bacterial short chain fatty acids: their role in gastrointestinal disease. Ramakrishna BS, et al. **Dig Dis** 1990;8(6):337–45 (83 ref.)
Genetic and molecular basis of epithelial cell invasion by Shigella species. Sansonetti PJ. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S285–92 (46 ref.)

PATHOLOGY

Colorectal carcinogenesis: sequential steps in the in vitro immortalization and transformation of human colonic epithelial cells (review). Paraskeva C, et al. **Anticancer Res** 1990 Sep–Oct;10(5A):1189–200 (66 ref.)
Colonic necrosis or fistula following pancreatitis or gastric surgery. Wille-Jørgensen P, et al. **Eur J Surg** 1991 Feb; 157(2):137–9 (11 ref.)
Clinical staging and pathological correlation in colorectal cancer. Mazzeo F, et al. **J Surg Oncol Suppl** 1991;2:21–3 (18 ref.)

PHYSIOLOGY

Physiology and pathophysiology of colonic motor activity (1). Sarna SK. **Dig Dis Sci** 1991 Jun;36(6):827–62 (339 ref.)
Physiology and pathophysiology of colonic motor activity (2). Sarna SK. **Dig Dis Sci** 1991 Jul;36(7):998–1018 (537 ref.)
Dietary fiber and bowel function in tube-fed patients. Frankenfield DC, et al. **J Am Diet Assoc** 1991 May; 91(5):590–6, 599 (86 ref.)
[Report: physiological consequences of the interposition of intestinal segments in the urinary tract] Van Velthoven R. **Acta Urol Belg** 1991;59(2):57–76 (38 ref.) **(Fre)**
[Measurement of colon transit time] Schindlbeck NE, et al. **Z Gastroenterol** 1990 Aug;28(8):399–404 (26 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

The starved colon—diminished mucosal nutrition, diminished absorption, and colitis. Roediger WE. **Dis Colon Rectum** 1990 Oct;33(10):858–62 (57 ref.)

Determinants and consequences of colonic luminal pH: implications for colon cancer. Newmark HL, et al. **Nutr Cancer** 1990;14(3–4):161–73 (72 ref.)

[Irritable bowel syndrome: pathophysiological basis of therapeutic management] Herman RM. **Przegl Lek** 1990; 47(7):557–61 (23 ref.) **(Pol)**

[Epidemiology and clinical aspects of irritable bowel syndrome] Hasik J. **Wiad Lek** 1990 Oct 1–15; 43(19–20):967–71 (10 ref.) **(Pol)**

RADIOGRAPHY

Recognition and prevention of barium enema complications. Williams SM, et al. **Curr Probl Diagn Radiol** 1991 Jul–Aug; 20(4):123–51 (141 ref.)

Preparing the colon for the barium enema examination. Gelfand DW, et al. **Radiology** 1991 Mar;178(3):609–13 (32 ref.)

[Accidental vaginal administration of colon contrast medium] Jaluvka V, et al. **Zentralbl Gynakol** 1991;113(2):115–8 (8 ref.) (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Bowel visualization during indium–111–labelled diethylene triamine penta–acetic acid cisternography due to massive cerebrospinal fluid leak. Case report and review of the literature. Jeffery PJ, et al. **Eur J Nucl Med** 1990; 17(6–8):365–8 (20 ref.)

SURGERY

New hope and promise for sphincter preservation in the management of cancer of the rectum. Marks G, et al. **Semin Oncol** 1991 Aug;18(4):388–98 (51 ref.)

[Advantages and disadvantages of protective colostomy in surgery for cancer of the left colon. Results of a 20–year experience] Bertoldi I, et al. **G Chir** 1988 Mar–Apr; 9(3–4):221–4 (26 ref.) (Eng. Abstr.) **(Ita)**

[Recurrence of colonic cancer at the site of anastomosis] Krasnodębski IW. **Pol Tyg Lek** 1990 Aug 20–27; 45(34–35):721–3 (42 ref.) **(Pol)**

[Surgical treatment of acute forms of Hirschsprung disease and total intestinal aganglionosis in infants] Krasovskaia TV, et al. **Khirurgiia (Mosk)** 1990 Aug;(8):144–9 (75 ref.) **(Rus)**

COLON AND RECTAL SURGERY (SPECIALTY)

METHODS

Treatment of urinary and faecal incontinence by surgically implanted devices. Brindley GS. **Ciba Found Symp** 1990; 151:267–74; discussion 274–82 (11 ref.)

Surgical approaches to anal incontinence. Wong WD, et al. **Ciba Found Symp** 1990;151:246–59; discussion 260–6 (25 ref.)

COLON, IRRITABLE see **COLONIC DISEASES, FUNCTIONAL**

COLONIALISM see **POLITICAL SYSTEMS**

COLONIC DISEASES

Lower intestinal bleeding in the elderly. Reinus JF, et al. **Clin Geriatr Med** 1991 May;7(2):301–19 (59 ref.)

Sexually transmitted diseases of the colon, rectum, and anus. The challenge of the nineties. Wexner SD. **Dis Colon Rectum** 1990 Dec;33(12):1048–62 (161 ref.)

CHEMICALLY INDUCED

Hemorrhagic colitis and pseudomelanosis coli in ipecac ingestion by proxy. Johnson JE, et al. **J Pediatr Gastroenterol Nutr** 1991 May;12(4):501–6 (26 ref.)

DIAGNOSIS

Primary coloscopy. Leicester RJ. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):209–23 (78 ref.)

[Gastrointestinal angiodysplasia] Jakab F, et al. **Orv Hetil** 1990 Sep 9;131(36):1967–71 (20 ref.) (Eng. Abstr.) **(Hun)**

[Role of coloscopy in diagnosis and treatment of large bowel diseases] Butruk E, et al. **Wiad Lek** 1990 May 1–15; 43(9–10):463–9 (33 ref.) (Eng. Abstr.) **(Pol)**

[Torsion of the epiploic appendages of the large intestine] Abdulzhavadov IM. **Khirurgiia (Mosk)** 1990 Sep;(9):163–7 (69 ref.) **(Rus)**

ETIOLOGY

Delayed presentation of intrapericardial diaphragmatic hernia, an unusual cause of colon obstruction. Beless DJ, et al. **Ann Emerg Med** 1991 Apr;20(4):415–7 (17 ref.)

Stercoral perforation of the colon. Serpell JW, et al. **Br J Surg** 1990 Dec;77(12):1325–9 (66 ref.)

Bacterial short chain fatty acids: their role in gastrointestinal disease. Ramakrishna BS, et al. **Dig Dis** 1990;8(6):337–45 (83 ref.)

Pneumopericardium and pneumomediastinum after polypectomy. Bakker J, et al. **Endoscopy** 1991 Jan; 23(1):46–7 (19 ref.)

Colonic necrosis or fistula following pancreatitis or gastric surgery. Wille–Jørgensen P, et al. **Eur J Surg** 1991 Feb; 157(2):137–9 (11 ref.)

Colon perforation due to cholesterol embolism. Anderson WR, et al. **Hum Pathol** 1991 Aug;22(8):839–41 (18 ref.)

Delayed presentation of Hirschsprung's disease: acute obstruction secondary to megacolon with transverse colonic volvulus. Neilson IR, et al. **J Pediatr Surg** 1990 Nov;25(11):1177–9 (14 ref.)

Enteric fistula formation secondary to necrotizing enterocolitis. Levin TL, et al. **Pediatr Radiol** 1991; 21(4):309–11 (7 ref.)

Portal venous barium intravasation complicating barium enema examination. Wheatley MJ, et al. **Surgery** 1991 Jun; 109(6):788–91 (12 ref.)

[An acute pseudo–obstruction of the colon with a background of chronic lead poisoning] Pătrașcu T, et al. **Rev Chir [Chir]** 1990 Jan–Feb;39(1):63–6 (0 ref.) (Eng. Abstr.) **(Rum)**

METABOLISM

[Ion and water transport in human large intestine in the normal state and pathology] Loginov AS, et al. **Klin Med (Mosk)** 1990 Sep;68(9):28–31 (36 ref.) **(Rus)**

PATHOLOGY

Melanosis coli: a case report in a trauma patient and review of the literature. Sosa JL, et al. **Am Surg** 1991 Jun; 57(6):378–80 (12 ref.)

PHYSIOPATHOLOGY

Physiology and pathophysiology of colonic motor activity (2). Sarna SK. **Dig Dis Sci** 1991 Jul;36(7):998–1018 (537 ref.)

PREVENTION & CONTROL

[Surgical prevention of radiation injuries of the small intestine] Rodier JF, et al. **Ann Chir** 1990;44(7):499–505; discussion 505–11 (60 ref.) **(Fre)**

RADIOGRAPHY

Imaging of the colon. Gelfand DW. **Curr Opin Radiol** 1991 Jun;3(3):422–6 (26 ref.)

SURGERY

[Recurrent spontaneous colon perforation in type 4 Ehlers–Danlos syndrome. Case report and review of the literature] Mayrhofer T, et al. **Chirurg** 1991 Jan;62(1):57–9 (14 ref.) **(Ger)**

[Duodenocolonic fistula. Report of a case and review of the literature] Averbach M, et al. **Arq Gastroenterol** 1989 Oct–Dec;26(4):127–30 (11 ref.) (Eng. Abstr.) **(Por)**

[Intestinal invagination in adults] Vicens A, et al. **Rev Quir Esp** 1988 Sep–Oct;15(5):213–8 (21 ref.) (Eng. Abstr.) **(Spa)**

ULTRASONOGRAPHY

[Ultrasound endoscopy in colonic and rectal disease (editorial)] Roseau G, et al. **Ann Chir** 1991;45(5):373–80 (35 ref.) **(Fre)**

COLONIC DISEASES, FUNCTIONAL

Irritable bowel research in India. Kamath PS. **Indian J Gastroenterol** 1991 Apr;10(2):59–61 (38 ref.)

DIAGNOSIS

Irritable bowel syndrome. Ward M. **Aust Fam Physician** 1990 Nov;19(11):1665–9 (17 ref.)

Diagnostic evaluation of the irritable bowel syndrome. Schuster MM. **Gastroenterol Clin North Am** 1991 Jun; 20(2):269–78 (35 ref.)

Symptomatic presentations of the irritable bowel syndrome. Thompson WG. **Gastroenterol Clin North Am** 1991 Jun; 20(2):235–47 (71 ref.)

Spectrum of chronic dyspepsia in the presence of the irritable bowel syndrome. Talley NJ. **Scand J Gastroenterol Suppl** 1991;182:7–10 (22 ref.)

[Irritable intestine syndrome. A still skein difficult to disentangle (editorial)] Navarro J, et al. **Arch Fr Pediatr** 1990 Dec;47(10):705–8 (29 ref.) **(Fre)**

[Epidemiology and clinical aspects of irritable bowel syndrome] Hasik J. **Wiad Lek** 1990 Oct 1–15; 43(19–20):967–71 (10 ref.) **(Pol)**

DIET THERAPY

Diet and the irritable bowel syndrome. Friedman G. **Gastroenterol Clin North Am** 1991 Jun;20(2):313–24 (24 ref.)

ETIOLOGY

Irritable bowel syndrome in the elderly. O'Keefe E, et al. **Clin Geriatr Med** 1991 May;7(2):265–86 (125 ref.)

Dietary fiber, food intolerance, and irritable bowel syndrome. **Nutr Rev** 1990 Sep;48(9):343–6 (15 ref.)

PHYSIOPATHOLOGY

Motility disorders in the irritable bowel syndrome. Lind CD. **Gastroenterol Clin North Am** 1991 Jun;20(2):279–95 (75 ref.)

The ileocecal area and the irritable bowel syndrome. Phillips SF, et al. **Gastroenterol Clin North Am** 1991 Jun; 20(2):297–311 (52 ref.)

The irritable bowel syndrome. A continuing dilemma. Subramani K, et al. **Gastroenterol Clin North Am** 1991 Jun; 20(2):363–7 (34 ref.)

The irritable bowel syndrome. Wingate DL. **Gastroenterol Clin North Am** 1991 Jun;20(2):351–62 (54 ref.)

[Digestive gas: pathophysiology and therapeutic approach in functional bowel disorders] Cloarec D, et al. **Gastroenterol Clin Biol** 1990;14(8–9):641–50 (120 ref.) **(Fre)**

[Small bowel motility in the irritable bowel syndrome] Couturier D. **Gastroenterol Clin Biol** 1990;14(5 (Pt 2)):24C–28C (31 ref.) (Eng. Abstr.) **(Fre)**

[Colonic motility in the irritable bowel syndrome] Frexinos J, et al. **Gastroenterol Clin Biol** 1990;14(5 (Pt 2)):18C–23C (44 ref.) (Eng. Abstr.) **(Fre)**

[The hypersensitive bowel] Meunier P. **Gastroenterol Clin Biol** 1990;14(5 (Pt 2)):33C–36C (30 ref.) (Eng. Abstr.) **(Fre)**

[Irritable bowel syndrome: pathophysiological basis of therapeutic management] Herman RM. **Przegl Lek** 1990; 47(7):557–61 (23 ref.) **(Pol)**

PSYCHOLOGY

Psychologic considerations in the irritable bowel syndrome. Whitehead WE, et al. **Gastroenterol Clin North Am** 1991 Jun;20(2):249–67 (59 ref.)

[Personality and psychological factors in the irritable bowel syndrome] Drossman DA. **Gastroenterol Clin Biol** 1990; 14(5 (Pt 2)):49C–53C (20 ref.) (Eng. Abstr.) **(Fre)**

[Psychology of irritable bowel syndrome] Pérez Alvarez M, et al. **Med Clin (Barc)** 1991 Apr 20;96(15):590–5 (38 ref.) **(Spa)**

THERAPY

New directions in the irritable bowel syndrome. Bailey LD Jr, et al. **Gastroenterol Clin North Am** 1991 Jun;20(2):335–49 (72 ref.)

Treatment of the irritable bowel syndrome. Friedman G. **Gastroenterol Clin North Am** 1991 Jun;20(2):325–33 (31 ref.)

COLONIC NEOPLASMS

Cancer of the colon and rectum. Catalano MF, et al. **Clin Geriatr Med** 1991 May;7(2):331–46 (59 ref.)

Carcinoma of the colon in children: a case report and review of 41 Japanese cases. Taguchi T, et al. **J Pediatr Gastroenterol Nutr** 1991 Apr;12(3):394–9 (51 ref.)

Effects of feeder cells on the X–ray sensitivity of human colon cancer cells. Leith JT, et al. **Radiother Oncol** 1991 May;21(1):53–9 (24 ref.)

[Lymphoma of the colon] Maaravi Y, et al. **Harefuah** 1991 Mar 1;120(5):275–6 (23 ref.) **(Heb)**

[Colorectal mucinous adenocarcinoma] Niv Y. **Harefuah** 1991 Feb 1;120(3):151–3 (40 ref.) **(Heb)**

[Primary signet ring cell adenocarcinoma] Niv Y. **Harefuah** 1991 Feb 15;120(4):216–8 (45 ref.) **(Heb)**

CHEMICALLY INDUCED

The history of nitrite in human nutrition: a contribution from German cookery books. Lauer K. **J Clin Epidemiol** 1991; 44(3):261–4 (29 ref.)

Quantitative review of studies of dietary fat and rat colon carcinoma. Zhao LP, et al. **Nutr Cancer** 1991; 15(3–4):169–77 (38 ref.)

COMPLICATIONS

[Malnutrition and septic complications in cancer of the colon] Nowicki A, et al. **Wiad Lek** 1990 Sep 1–15; 43(17–18):879–83 (25 ref.) (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Colorectal cancer: cross–sectional imaging for staging of primary tumor and detection of local recurrence. Thoeni RF. **AJR Am J Roentgenol** 1991 May;156(5):909–15 (61 ref.)

A diagnostic expert system for colonic lesions. Graham AR, et al. **Am J Clin Pathol** 1990 Oct;94(4 Suppl 1):S15–8 (4 ref.)

Surgical treatment of colonic ganglioneuromatosis in neurofibromatosis. Urschel JD, et al. **Can J Surg** 1991 Jun; 34(3):271–6 (25 ref.)

Imaging techniques in the diagnosis of carcinoma of the colon. Dodd GD. **Cancer** 1991 Feb 15;67(4 Suppl):1150–4 (32 ref.)

Enzymes used in predicting high risk to colon cancer. Schwartz MK. **Clin Biochem** 1990 Oct;23(5):395–8 (36 ref.)

Tumor markers in cancer of the colon and rectum. Woolfson K. **Dis Colon Rectum** 1991 Jun;34(6):506–11 (47 ref.)

[Biological markers and cancer of the colon] Bombardieri E, et al. **Ann Ital Chir** 1990 Sep–Oct;61(5):467–75 (63 ref.) **(Ita)**

[Comparison of different methods of imaging in determining the resectability of liver metastases in colon cancer] Tsyb AF, et al. **Med Radiol (Mosk)** 1991;36(7):53–5 (64 ref.) **(Rus)**

[Cerebral metastases in adenocarcinoma of the colon] Rovirosa A, et al. **Rev Esp Enferm Dig** 1991 Apr; 79(4):281–3 (15 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Adjuvant therapy for patients with colon and rectal cancer: summary of NIH consensus statement. National Cancer Institute and the Office of Medical Applications of Research of the National Institutes of Health. **Aust N Z J Surg** 1991 Jan;61(1):23 (0 ref.)

Levamisole in the adjuvant treatment of colon cancer. Mutch RS, et al. **Clin Pharm** 1991 Feb;10(2):95–109 (85 ref.)

Levamisole as an adjuvant in cancer treatment. Janssen PA. **J Clin Pharmacol** 1991 May;31(5):396–400 (49 ref.)

Adjuvant treatment of node-positive colon carcinoma with levamisole and 5-fluorouracil. Grem JL. **Oncology (Williston Park)** 1991 Mar;5(3):63–70, 73; discussion 73–4 (47 ref.)

Intraperitoneal chemotherapy for peritoneal carcinomatosis from colonic or appendiceal cystadenocarcinoma: rationale and results of treatment. Sugarbaker PH, et al. **Prog Clin Biol Res** 1990;354B:141–70 (10 ref.)

Recent developments in medical oncology. Sikov WM, et al. **R I Med J** 1990 Oct;73(10):451–5 (17 ref.)

Current treatment approaches in colorectal cancer. Grem JL. **Semin Oncol** 1991 Feb;18(1 Suppl 1):17–26 (44 ref.)

[Adjuvant chemotherapy in colonic cancer] Seitz JF. **Gastroenterol Clin Biol** 1990;14(11):797–800 (38 ref.) **(Fre)**

ECONOMICS

The economic implications of radiologic screening for colonic cancer. Gelfand DW, et al. **AJR Am J Roentgenol** 1991 May;156(5):939–43 (51 ref.)

EPIDEMIOLOGY

Gastric and colorectal cancer in the tropical part of Africa (a review). Bálint GA. **Acta Med Hung** 1990;47(1–2):91–8 (62 ref.)

Health in central Europe. Gutzwiller F. **Ann Nutr Metab** 1991;35 Suppl 1:64–8 (7 ref.)

The risk of large bowel cancer after partial gastrectomy for benign ulcer disease. Lundegårdh G, et al. **Ann Surg** 1990 Dec;212(6):714–9 (32 ref.)

Colonic adenoma: natural history. Hoff G, et al. **Dig Dis** 1991;9(2):61–9 (55 ref.)

Epidemiologic studies of diet and cancer. Willett WC. **Med Oncol Tumor Pharmacother** 1990;7(2–3):93–7 (26 ref.)

ETIOLOGY

Dietary fats and cancer. Carroll KK. **Am J Clin Nutr** 1991 Apr;53(4 Suppl):1064S–1067S (60 ref.)

The association of oral contraception with kidney cancer, colon cancer, gallbladder cancer (including extrahepatic bile duct cancer) and pituitary tumours. Milne R, et al. **Contraception** 1991 Jun;43(6):667–93 (73 ref.)

Nitrite from inflammatory cells—a cancer risk factor in ulcerative colitis? Roediger WE, et al. **Dis Colon Rectum** 1990 Dec;33(12):1034–6 (26 ref.)

Two unusual tumours of the gastrointestinal tract in a patient with tuberous sclerosis. Byard RW, et al. **J Paediatr Child Health** 1991 Apr;27(2):116–9 (20 ref.)

The importance of N-6 and N-3 fatty acids in carcinogenesis. Kromhout D. **Med Oncol Tumor Pharmacother** 1990; 7(2–3):173–6 (17 ref.)

Determinants and consequences of colonic luminal pH: implications for colon cancer. Newmark HL, et al. **Nutr Cancer** 1990;14(3–4):161–73 (72 ref.)

Western diet and Western diseases: some hormonal and biochemical mechanisms and associations. Adlercreutz H. **Scand J Clin Lab Invest Suppl** 1990;201:3–23 (166 ref.)

Causes, relevant mechanisms, and prevention of large bowel cancer. Weisburger JH. **Semin Oncol** 1991 Aug; 18(4):316–36 (110 ref.)

GENETICS

Lessons from the genetics of colon cancer. Ahnen DJ. **Scand J Gastroenterol Suppl** 1990;175:166–76 (44 ref.)

Genetics of colon cancer. Ahnen DJ. **West J Med** 1991 Jun; 154(6):700–5 (45 ref.)

IMMUNOLOGY

[Immunologic and immunotherapeutic aspects of colonic carcinoma] Arnoldi E. **Ann Ital Chir** 1990 Sep–Oct; 61(5):495–8 (34 ref.) **(Ita)**

PATHOLOGY

Lingual metastasis from a carcinoma of the colon. A case report and review of the literature. Piattelli A. **Acta Stomatol Belg** 1990 Dec;87(4):257–64 (73 ref.)

Primary de novo adenocarcinoma of the colon measuring 8 mm in diameter with lymph node metastases. Report of a case. Herrera L, et al. **Dis Colon Rectum** 1991 Mar; 34(3):275–9 (19 ref.)

Squamous carcinoma of the colon: primary or metastatic? McMahon AJ. **Eur J Surg Oncol** 1991 Aug;17(4):397–402 (41 ref.)

Clear cell carcinoma arising in extraovarian endometriosis: report of three cases and review of the literature. Hitti IF, et al. **Gynecol Oncol** 1990 Dec;39(3):314–20 (17 ref.)

Annular colon lipoma: a case report and review of the literature. Notaro JR, et al. **Surgery** 1991 Sep;110(3):570–2 (19 ref.)

[Pulmonary metastases of colorectal origin] Mouroux J, et al. **Chirurgie** 1990;116(1):53–8; discussion 58–9 (25 ref.) (Eng. Abstr.) **(Fre)**

[Gastrointestinal symptoms in disseminated Langerhans cell histiocytosis. Case report and review of the literature] Skopnik H, et al. **Monatsschr Kinderheilkd** 1991 Apr; 139(4):239–43 (27 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Can colon cancer incidence and death rates be reduced with calcium and vitamin D? Garland CF, et al. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):193S–201S (98 ref.)

Modulating effects of calcium in animal models of colon carcinogenesis and short-term studies in subjects at increased risk for colon cancer. Wargovich MJ, et al. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):202S–205S (42 ref.)

Controversies, dilemmas, and dialogues. When is colonoscopic resection of an adenomatous polyp containing a "malignancy" sufficient? Waye JD, et al. **Am J Gastroenterol** 1990 Dec;85(12):1564–8 (33 ref.)

Large bowel cancer. Clinical approaches to improving survival. Cowen AE. **Aust Fam Physician** 1990 Nov; 19(11):1671–5, 1677, 1681 (41 ref.)

Piroxicam decreases postirradiation colonic neoplasia in the rat. Northway MG, et al. **Cancer** 1990 Dec 1;66(11):2300–5 (41 ref.)

Dietary fiber and cancer prevention. Shankar S, et al. **Hematol Oncol Clin North Am** 1991 Feb;5(1):25–41 (126 ref.)

Short-term tests and long-term prospects for colon cancer prevention. Bruce WR. **Med Oncol Tumor Pharmacother** 1990;7(2–3):131–6 (44 ref.)

Dietary omega 3 fatty acids and cancer: an overview. Galli C, et al. **World Rev Nutr Diet** 1991;66:446–61 (61 ref.)

RADIOGRAPHY

Imaging of the colon. Gelfand DW. **Curr Opin Radiol** 1991 Jun;3(3):422–6 (26 ref.)

RADIOTHERAPY

[Update on and perspectives of radiotherapy in the treatment of colonic carcinoma] Cionini L, et al. **Ann Ital Chir** 1990 Sep–Oct;61(5):499–507 (100 ref.) **(Ita)**

[Possibilities of radiotherapy in improving the treatment results in patients with colon cancer] Berdov BA, et al. **Med Radiol (Mosk)** 1991;36(1):54–6 (51 ref.) **(Rus)**

SECONDARY

Squamous carcinoma of the colon: primary or metastatic? McMahon AJ. **Eur J Surg Oncol** 1991 Aug;17(4):397–402 (41 ref.)

Mucoepidermoid carcinoma of the larynx. Snow RT, et al. **J Am Osteopath Assoc** 1991 Feb;91(2):182–4, 187–9 (24 ref.)

SURGERY

Surgical treatment of colonic ganglioneuromatosis in neurofibromatosis. Urschel JD, et al. **Can J Surg** 1991 Jun; 34(3):271–6 (25 ref.)

Peritoneal seeding following potentially curative resection of colonic carcinoma: implications for adjuvant therapy. Brodsky JT, et al. **Dis Colon Rectum** 1991 Aug;34(8):723–7 (26 ref.)

Tumor markers in cancer of the colon and rectum. Woolfson K. **Dis Colon Rectum** 1991 Jun;34(6):506–11 (47 ref.)

Gastrointestinal tumours after stapler vs vicryl anastomoses in carcinogen-treated rats. Buhr HJ, et al. **Eur J Surg Oncol** 1990 Dec;16(6):493–6 (21 ref.)

Indications for and results of intraoperative irradiation for locally advanced colorectal cancer. Gunderson LL, et al. **Front Radiat Ther Oncol** 1991;25:284–306; discussion 330–3 (66 ref.)

[The surgical treatment of obstructive cancers of the left colon. Apropos of a series of 66 cases] Jamart J, et al. **Acta Chir Belg** 1991 Jan–Feb;91(1):1–10 (82 ref.) (Eng. Abstr.) **(Fre)**

[Prevention of hepatic metastases in radically operated colonic cancers] Rea S, et al. **Ann Chir** 1991;45(4):306–12 (63 ref.) (Eng. Abstr.) **(Fre)**

[Colonic cancers. A retrospective study of 1122 surgically-treated patients] Adloff M, et al. **J Chir (Paris)** 1990 Dec;127(12):565–71 (19 ref.) (Eng. Abstr.) **(Fre)**

[Emergencies in the surgery of colonic neoplasms. A review of the literature and the authors' cases] Viale A, et al. **Minerva Chir** 1991 Jan;46(1–2):25–30 (27 ref.) (Eng. Abstr.) **(Ita)**

[Recurrence of colonic cancer at the site of anastomosis] Krasnodębski IW. **Pol Tyg Lek** 1990 Aug 20–27; 45(34–35):721–3 (42 ref.) **(Pol)**

THERAPY

Adjuvant treatment of colon cancer: where to go from here? Wils J, et al. **Ann Oncol** 1990 Sep;1(5):329–31 (14 ref.)

AXIS—a suitable case for treatment. UK Coordinating Committee on Cancer Research (UKCCCR) Colorectal Cancer Subcommittee [editorial] Gray R, et al. **Br J Cancer** 1991 Jun;63(6):841–5 (10 ref.)

Cancer of the colon and rectum. **Br J Surg** 1990 Sep; 77(9):1063–5 (0 ref.)

Adjuvant therapy for patients with colon and rectal cancer. National Institutes of Health. **Conn Med** 1990 Oct; 54(10):573–81 (45 ref.)

Adjuvant therapy for patients with colon and rectum cancer. **Consens Statement** 1990 Apr 16–18;8(4):1–25 (0 ref.)

Implications of current therapeutic approaches in colorectal cancer for other gastrointestinal malignancies. Lembersky BC. **Semin Oncol** 1991 Feb;18(1 Suppl 1):39–46 (49 ref.)

The role of immunotherapy in colorectal cancer. Wadler S. **Semin Oncol** 1991 Feb;18(1 Suppl 1):27–38 (88 ref.)

[Adjuvant therapy in colonic carcinoma] Pflüger KH, et al. **Dtsch Med Wochenschr** 1991 Jul 26;116(30):1151–3 (12 ref.) **(Ger)**

ULTRASONOGRAPHY

[Ultrasound endoscopy in colonic and rectal disease (editorial)] Roseau G, et al. **Ann Chir** 1991;45(5):373–80 (35 ref.) **(Fre)**

COLONIC POLYPS

COMPLICATIONS

[A case of malignant lymphoma with multiple lymphomatous polyposis of the colon associated with chylothorax and chylous ascites] Ayabe T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Jul;87(7):1556–62 (22 ref.) **(Jpn)**

DIAGNOSIS

Preventing colorectal cancer. Ferguson EF Jr, et al. **South Med J** 1990 Nov;83(11):1295–9 (57 ref.)

DRUG THERAPY

Malignant lymphomatous polyposis: diagnosis and response to chemotherapy. Sagar SM, et al. **Clin Oncol (R Coll Radiol)** 1990 Jul;2(4):230–4 (19 ref.)

GENETICS

Nonfamilial intestinal polyposis and brain tumor in a 5-year-old girl. Castello MA, et al. **Pediatr Hematol Oncol** 1987;4(3):247–60 (28 ref.)

[Oncogenes and tumor suppressor genes: genetic changes mark the adenoma–carcinoma sequence] Schmiegel WH. **Internist (Berl)** 1991 Jun;32(6):315–20 (55 ref.) **(Ger)**

PATHOLOGY

Malignant potential of juvenile polyposis coli. Report of a case and review of the literature. Longo WE, et al. **Dis Colon Rectum** 1990 Nov;33(11):980–4 (25 ref.)

Polypoid and pseudopolypoid manifestations of inflammatory bowel disease. Buck JL, et al. **Radiographics** 1991 Mar; 11(2):293–304 (17 ref.)

Surgical pathology of carcinoma of the colon and rectum. Cooper HS, et al. **Semin Oncol** 1991 Aug;18(4):367–80 (61 ref.)

SURGERY

Controversies, dilemmas, and dialogues. When is colonoscopic resection of an adenomatous polyp containing a "malignancy" sufficient? Waye JD, et al. **Am J Gastroenterol** 1990 Dec;85(12):1564–8 (33 ref.)

Pneumopericardium and pneumomediastinum after polypectomy. Bakker J, et al. **Endoscopy** 1991 Jan; 23(1):46–7 (19 ref.)

Management of colorectal polyps: is all the effort worthwhile? Williams CB, et al. **J Gastroenterol Hepatol** 1990;5 Suppl 1:144–65 (160 ref.)

[Limits of endoscopic management of malignant colorectal polyps] Williams CB. **Internist (Berl)** 1991 Jun;32(6):330–4 (40 ref.) **(Ger)**

[Adenomatous polyps in the stomach–colon—when is polypectomy curative?] Niebel W, et al. **Z Gastroenterol Verh** 1991 Mar;26:80–1 (6 ref.) **(Ger)**

[Oncological supervision of patients after colonoscopic polypectomy] Bartnik W. **Wiad Lek** 1990 May 1–15; 43(9–10):445–8 (22 ref.) (Eng. Abstr.) **(Pol)**

[Colonoscopy and polypectomy] Barrientos Castro J. **Rev Gastroenterol Mex** 1990 Jul–Sep;55(3):181–4 (21 ref.) (Eng. Abstr.) **(Spa)**

COLONIC PSEUDO-OBSTRUCTION

Acute and chronic intestinal pseudo-obstruction. Camilleri M, et al. **Adv Intern Med** 1991;36:287–306 (69 ref.)

CHEMICALLY INDUCED

Drug-induced colonic pseudo-obstruction. Report of a case. Ohri SK, et al. **Dis Colon Rectum** 1991 Apr;34(4):347–51 (51 ref.)

DIAGNOSIS

Ogilvie's syndrome. Would you recognize it? Stack PS. **Postgrad Med** 1991 Apr;89(5):131–4 (14 ref.)

ETIOLOGY

[Colonic pseudo-obstruction (Ogilvie syndrome), associated with cesarean section. Report of 2 cases and review of the literature] Walss Rodriguez RJ, et al. **Ginecol Obstet Mex** 1990 Oct;58:289-91 (10 ref.) (Eng. Abstr.) **(Spa)**

[Pseudo-obstruction of the colon (Ogilvie syndrome) associated wtih Cesarean operations. Report of 2 cases and review of the literature] Walss Rodriguez RJ, et al. **Ginecol Obstet Mex** 1990 Oct;58:289-91 (10 ref.) (Eng. Abstr.) **(Spa)**

COLONOSCOPY

Primary colonoscopy. Leicester RJ. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):209-23 (78 ref.)

[Limits of endoscopic management of malignant colorectal polyps] Williams CB. **Internist (Berl)** 1991 Jun;32(6):330-4 (40 ref.) **(Ger)**

[Colonoscopy and polypectomy] Barrientos Castro J. **Rev Gastroenterol Mex** 1990 Jul-Sep;55(3):181-4 (21 ref.) (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Pneumopericardium and pneumomediastinum after polypectomy. Bakker J, et al. **Endoscopy** 1991 Jan; 23(1):46-7 (19 ref.)

METHODS

Colonoscoping the "difficult" colon. Webb WA. **Am Surg** 1991 Mar;57(3):178-82 (5 ref.)

The role of fibre optics in gastroenterology. Hope AH, et al. **Aust Fam Physician** 1990 Nov;19(11):1699-701, 1704-6, 1709, passim (15 ref.)

[Is total colonoscopy warranted in all patients with macroscopic hemorrhage per anum?] Bader JP. **Gastroenterol Clin Biol** 1991;15(3):183-6 (14 ref.) **(Fre)**

[Oncological supervision of patients after colonoscopic polypectomy] Bartnik W. **Wiad Lek** 1990 May 1-15; 43(9-10):445-8 (22 ref.) (Eng. Abstr.) **(Pol)**

[Role of coloscopy in diagnosis and treatment of large bowel diseases] Butruk E, et al. **Wiad Lek** 1990 May 1-15; 43(9-10):463-9 (33 ref.) (Eng. Abstr.) **(Pol)**

VETERINARY

Endoscopy of the lower gastrointestinal tract. Jones BD. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1229-42 (2 ref.)

COLONY COUNT, MICROBIAL

STANDARDS

Agar dilution: standards and science, the cart before the horse. Righter J. **J Antimicrob Chemother** 1990 Nov; 26(5):609-11 (13 ref.)

COLONY-FORMING UNITS see **STEM CELLS**

COLONY-FORMING UNITS ASSAY, MICROBIAL see **COLONY COUNT, MICROBIAL**

COLONY-FORMING UNITS, ERYTHROID see **ERYTHROID PROGENITOR CELLS**

COLONY-FORMING UNITS, HEMATOPOIETIC see **HEMATOPOIETIC STEM CELLS**

COLONY-FORMING UNITS, NEOPLASTIC see **TUMOR STEM CELLS**

COLONY-STIMULATING FACTOR, GRANULOCYTE-MACROPHAGE see **GRANULOCYTE-MACROPHAGE COLONY-STIMULATING FACTOR**

COLONY-STIMULATING FACTOR, MACROPHAGE see **MACROPHAGE COLONY-STIMULATING FACTOR**

COLONY-STIMULATING FACTOR, MAST-CELL see **INTERLEUKIN-3**

COLONY-STIMULATING FACTOR, MULTIPOTENTIAL see **INTERLEUKIN-3**

COLONY-STIMULATING FACTOR RECEPTORS see **RECEPTORS, COLONY-STIMULATING FACTOR**

COLONY-STIMULATING FACTOR 2 ALPHA see **INTERLEUKIN-3**

COLONY-STIMULATING FACTORS

Colony-stimulating factors. Wakefield PE, et al. **J Am Acad Dermatol** 1990 Nov;23(5 Pt 1):903-12 (72 ref.)

BIOSYNTHESIS

[A case of colony stimulating factor (CSF) producing gastric carcinoma] Saeki T, et al. **Gan No Rinsho** 1990 Nov; 36(14):2469-74 (13 ref.) (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Role of tumor necrosis factor and colony-stimulating factors in phagocyte function against Candida albicans. Djeu JY. **Diagn Microbiol Infect Dis** 1990 Sep-Oct;13(5):383-6 (14 ref.)

PHARMACOLOGY

Hematopoietic growth factors: overview and clinical applications, Part II. Robinson BE, et al. **Am J Med Sci** 1990 Oct;300(4):237-44 (185 ref.)

Biological effects and clinical applications of human colony-stimulating factors. Gabrilove JL, et al. **Cancer Chemother Biol Response Modif** 1990;11:631-62 (126 ref.)

PHYSIOLOGY

Hematopoietic growth factors: overview and clinical applications, Part I. Robinson BE, et al. **Am J Med Sci** 1990 Sep;300(3):163-70 (88 ref.)

Hemopoietic colony-stimulating factors: biologic functions and clinical potentials. Sullivan R. **Am J Respir Cell Mol Biol** 1990 Oct;3(4):283-4 (13 ref.)

Suppression of bone marrow stromal cell function. Billips LG, et al. **Ann N Y Acad Sci** 1991;628:313-22 (55 ref.)

Colony-stimulating factors: enhancement of effector cell function. DiPersio JF. **Cancer Surv** 1990;9(1):81-113 (168 ref.)

The colony-stimulating factors: biology and clinical use. Glaspy JA, et al. **Oncology (Williston Park)** 1990 Sep; 4(9):25-32; discussion 32-4 (36 ref.)

The role of colony-stimulating factors in host defenses. Gregory SH, et al. **Proc Soc Exp Biol Med** 1991 Sep; 197(4):349-60 (151 ref.)

Haemopoietic growth factors. Devereux S, et al. **Q J Med** 1990 Jun;75(278):537-50 (73 ref.)

THERAPEUTIC USE

Antiretroviral therapy and immunomodulators in patients with AIDS. Groopman JE. **Am J Med** 1991 Apr 10; 90(4A):18S-21S (21 ref.)

Anesthetic considerations in patients receiving colony-stimulating factors (G-CSF and GM-CSF). Tobias JD, et al. **Anesthesiology** 1991 Sep;75(3):536-8 (19 ref.)

What is the role of recombinant colony stimulating factors in bone marrow transplantation? [published erratum appears in Bone Marrow Transplant 1990 Dec;6(6):454] Aurer I, et al. **Bone Marrow Transplant** 1990 Aug; 6(2):79-87 (49 ref.)

New approach of treatment of severe aplastic anemia. Cooperative Group on the Treatment of Aplastic Anemia. Gluckman E, et al. **Bone Marrow Transplant** 1991;7 Suppl 2:106-7 (14 ref.)

Biological effects and clinical applications of human colony-stimulating factors. Gabrilove JL, et al. **Cancer Chemother Biol Response Modif** 1990;11:631-62 (126 ref.)

Clinical applications of myeloid colony stimulating factors. Steward WP, et al. **Cancer Treat Rev** 1990 Mar;17(1):77-87 (50 ref.)

Colony-stimulating factors. Gordon MS, et al. **Curr Opin Oncol** 1990 Dec;2(6):1152-8 (22 ref.)

Clinical trials of myeloid growth factors. Glaspy JA, et al. **Exp Hematol** 1990 Nov;18(10):1137-41 (37 ref.)

Colony-stimulating factors: clinical status. Gabrilove JL. **Important Adv Oncol** 1991;:215-37 (93 ref.)

Hematopoietic growth factors: a new frontier in immunotherapy. Cairo MS. **J Pediatr** 1991 Mar;118(3):S1-3 (16 ref.)

Future strategies in the control of myelosuppression: the use of colony-stimulating factors. Haeuber D. **Oncol Nurs Forum** 1991 Mar;18(2 Suppl):16-21 (19 ref.)

The potential for the use of colony-stimulating factors in autologous bone marrow transplantation. Peters WP. **Recent Results Cancer Res** 1991;121:182-8 (19 ref.)

The myeloid colony-stimulating factors: introduction and overview. Peters WP. **Semin Hematol** 1991 Apr;28(2 Suppl 2):1-5 (13 ref.)

[Colony-stimulating factors. Therapeutic applications] Kusminsky GD, et al. **Sangre (Barc)** 1990 Oct;35(5):381-7 (89 ref.) **(Spa)**

COLOR BLINDNESS see **COLOR VISION DEFECTS**

COLOR PERCEPTION

see related
COLOR VISION DEFECTS

The appreciation of colour in endoscopy. Vakil N, et al. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):183-94 (9 ref.)

Color psychology: a critical review. Whitfield TW, et al. **Genet Soc Gen Psychol Monogr** 1990 Nov;116(4):385-411 (150 ref.)

Color CRT characterization presented solely in terms of the CIE system. Neri DF. **Percept Mot Skills** 1990 Aug; 71(1):51-64 (26 ref.)

Half a century of research on the Stroop effect: an integrative review. MacLeod CM. **Psychol Bull** 1991 Mar; 109(2):163-203 (425 ref.)

[A color after-effect: the McCollough effect] Gaudart L, et al. **J Fr Ophtalmol** 1990;13(6-7):379-88 (30 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

[The thermodynamic approach to a scrutiny of the Purkinje effect and related phenomena] Chukova IuP. **Usp Fiziol Nauk** 1990 Oct-Dec;21(4):123-37 (46 ref.) **(Rus)**

COLOR PERCEPTION TESTS

[The examination of color vision using a 2 metameric equation method] Roth A, et al. **Ophtalmologie** 1990 Mar-Apr;4(2):197-205 (18 ref.) (Eng. Abstr.) **(Fre)**

METHODS

[A color after-effect: the McCollough effect] Gaudart L, et al. **J Fr Ophtalmol** 1990;13(6-7):379-88 (30 ref.) (Eng. Abstr.) **(Fre)**

COLOR VISION see **COLOR PERCEPTION**

COLOR VISION DEFECTS

ETIOLOGY

[Diabetes and color vision disorder detected by the Farnsworth 100 Hue test. Diabetic dyschromatopsia] Ayed S, et al. **J Fr Ophtalmol** 1990;13(10):506-10 (16 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Colour blindness (CB) distribution in the male population of Albanian and Croatian communities of Molise, Italy (with a review of the published Caucasoid CB gene frequencies). Malaspina P, et al. **Gene Geogr** 1989 Apr; 3(1):53-63 (69 ref.)

PHYSIOPATHOLOGY

A century of cerebral achromatopsia. Zeki S. **Brain** 1990 Dec;113 (Pt 6):1721-77 (163 ref.)

COLORECTAL NEOPLASMS

Recent developments in molecular biology, screening, and treatment of colorectal cancer. Metzger U. **Curr Opin Oncol** 1990 Aug;2(4):738-46 (27 ref.)

Perspectives in colorectal cancer. Herrera L, et al. **J Surg Oncol Suppl** 1991;2:92-103 (52 ref.)

Diffuse infiltrating T-cell lymphoma of the colon associated with polyclonal hypergammaglobulinemia and hepatocellular carcinoma: report of a case. Nagai T, et al. **Jpn J Med** 1991 Jan-Feb;30(1):57-63 (31 ref.)

[Resection of liver metastases of colorectal carcinoma: claims and reality] Müller JM, et al. **Dtsch Med Wochenschr** 1991 May 3;116(18):681-8 (51 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Association of sebaceous gland tumors and internal malignancy: the Muir-Torre syndrome. Cohen PR, et al. **Am J Med** 1991 May;90(5):606-13 (68 ref.)

The management of liver metastases. Franco D. **Br J Hosp Med** 1991 May;45(5):284-5, 288-90 (21 ref.)

The role of surgical resection of liver metastases in colorectal carcinoma. Cady B, et al. **Semin Oncol** 1991 Aug; 18(4):399-406 (22 ref.)

[Is total colonoscopy warranted in all patients with macroscopic hemorrhage per anum?] Bader JP. **Gastroenterol Clin Biol** 1991;15(3):183-6 (14 ref.) **(Fre)**

DIAGNOSIS

Recent developments in colorectal cancer epidemiology and early detection. Mettlin C. **Curr Opin Oncol** 1990 Aug; 2(4):731-7 (40 ref.)

Screening for colorectal cancer in ulcerative colitis: dubious benefits and high costs [see comments] Gyde S. **Gut** 1990 Oct;31(10):1089-92 (21 ref.) Comment in: Gut 1991 Jun;32(6):721-3.

Routine imaging studies for the posttreatment surveillance of breast and colorectal carcinoma. Kagan AR, et al. **J Clin Oncol** 1991 May;9(5):837-42 (21 ref.)

Imaging in colorectal carcinoma. Taylor AJ, et al. **Semin Oncol** 1991 Apr;18(2):99-110 (27 ref.)

[Screening for colorectal cancer by determination of occult blood in the feces] Restellini A, et al. **Rev Med Suisse Romande** 1991 Jun;111(6):483-8 (34 ref.) **(Fre)**

[Diagnosis of colorectal cancer from DNA level] Shirasawa S, et al. **Gan To Kagaku Ryoho** 1991 Jan;18(1):14-21 (25 ref.) (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Systemic therapy in metastatic colorectal cancer. Hansen RM. **Arch Intern Med** 1990 Nov;150(11):2265-9 (66 ref.)

Adjuvant therapy of colorectal cancer: an overview. Wirth A, et al. **Aust N Z J Surg** 1991 Jan;61(1):13-22 (59 ref.)

Levamisole and its use in adjuvant treatment after surgical resection of colorectal cancer. Neal G, et al. **J Med Assoc Ga** 1991 Feb;80(2):107-10 (15 ref.)

Doxifluridine in advanced colorectal cancer. Calabresi F, et al. **J Surg Oncol Suppl** 1991;2:124-8 (32 ref.)

Advanced colorectal cancer: impact of chemotherapy on survival. Cortesi E, et al. **J Surg Oncol Suppl** 1991;2:112–5 (22 ref.)
Chemotherapy for patients not benefitting from 5-fluorouracil therapy. Luporini G, et al. **J Surg Oncol Suppl** 1991;2:161–4 (16 ref.)
Developments of the fluoropyrimidines as inhibitors of thymidylate synthetase: pharmacologic and clinical aspects. Machover D. **J Surg Oncol Suppl** 1991;2:42–50 (72 ref.)
Sequential methotrexate/5-fluorouracil in advanced colorectal cancer treatment. Maiello E, et al. **J Surg Oncol Suppl** 1991;2:129–33 (40 ref.)
Modulation of fluoropyrimidines by leucovorin: rationale and status. Rustum YM. **J Surg Oncol Suppl** 1991;2:116–23 (38 ref.)
[Therapy of advanced colorectal cancer] Schalhorn A. **Fortschr Med** 1991 Mar 20;109(8):183–6 (7 ref.) (Eng. Abstr.) **(Ger)**
[5-Fluorouracil (5-FU)/leucovorin in comparison to other current chemotherapy protocols in metastasizing colorectal carcinoma] Baur M, et al. **Wien Klin Wochenschr** 1991; 103(11):332–9 (94 ref.) (Eng. Abstr.) **(Ger)**
[Adjuvant chemotherapy of colorectal carcinoma] Casali P, et al. **Ann Ital Chir** 1990 Sep–Oct;61(5):509–13 (22 ref.) (Eng. Abstr.) **(Ita)**
[Adjuvant and neo-adjuvant systemic therapy in the treatment of colorectal neoplasms] Foggi CM, et al. **G Chir** 1988 Jan;9(1):65–7 (10 ref.) (Eng. Abstr.) **(Ita)**

EPIDEMIOLOGY

Ulcerative colitis--what is the risk of developing colorectal cancer? Whelan G. **Aust N Z J Med** 1991 Feb;21(1):71–7 (43 ref.)
Screening of average-risk individuals for colorectal cancer. WHO Collaborating Centre for the Prevention of Colorectal Cancer. Winawer SJ, et al. **Bull World Health Organ** 1990;68(4):505–13 (57 ref.)
Colonic adenoma: natural history. Hoff G, et al. **Dig Dis** 1991;9(2):61–9 (55 ref.)
Recent life change and large bowel cancer. Data from the Melbourne Colorectal Cancer Study. Kune S, et al. **J Clin Epidemiol** 1991;44(1):57–68 (33 ref.)
Trends in epidemiology of colorectal cancer. Crespi M, et al. **J Surg Oncol Suppl** 1991;2:1–3 (20 ref.)
[Epidemiology of colorectal cancers] Boeing H, et al. **Internist (Berl)** 1991 Jun;32(6):306–14 (49 ref.) **(Ger)**
[Multiple colorectal cancer] Rodolico G, et al. **Ann Ital Chir** 1990 Sep–Oct;61(5):515–9 (36 ref.) **(Ita)**
[The morbidity of colorectal cancer and its diagnosis] Knysh VI. **Ter Arkh** 1990;62(10):64–9 (26 ref.) **(Rus)**
[The risk of colorectal cancer in patients with organic pathology of the gastrointestinal tract] Volkov DP. **Vopr Onkol** 1991;37(1):3–10 (70 ref.) **(Rus)**
[Locoregional recurrence of colorectal cancer] Enriquez Navascués JM, et al. **Rev Esp Enferm Dig** 1990 Sep; 78(3):151–8 (77 ref.) **(Spa)**

ETIOLOGY

Colorectal carcinogenesis: sequential steps in the in vitro immortalization and transformation of human colonic epithelial cells (review). Paraskeva C, et al. **Anticancer Res** 1990 Sep–Oct;10(5A):1189–200 (66 ref.)
Reproductive factors and colorectal cancer. La Vecchia C, et al. **Cancer Causes Control** 1991 May;2(3):193–200 (44 ref.)
Energy imbalance and cancer of the breast, colon and prostate. Simopoulos AP. **Med Oncol Tumor Pharmacother** 1990;7(2–3):109–20 (55 ref.)
[Mucous membrane-polyp-carcinoma. A molecular genetics model of the etiology of colorectal tumors] Klingel R, et al. **Dtsch Med Wochenschr** 1991 Jul 12;116(28–29):1110–5 (50 ref.) **(Ger)**
[Diseases of the large intestine in the aged. Constipation--diverticulosis--tumors--ischemia] Kasper H. **Fortschr Med** 1990 Nov 30;108(34):647–50 (10 ref.) (Eng. Abstr.) **(Ger)**
[Groups at risk for colorectal tumors] Liebe S. **Z Gesamte Inn Med** 1990 Aug 1;45(15):435–8 (35 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

Colorectal cancer: evidence for distinct genetic categories based on proximal or distal tumor location [see comments] Bufill JA. **Ann Intern Med** 1990 Nov 15;113(10):779–88 (153 ref.) Comment in: Ann Intern Med 1991 Mar 1;114(5):431–2.
Molecular genetic approaches to the analysis of colorectal cancer. Spurr NK. **Baillieres Clin Gastroenterol** 1990 Mar; 4(1):171–89 (82 ref.)
Risk and surveillance of individuals with heritable factors for colorectal cancer. WHO Collaborating Centre for the Prevention of Colorectal Cancer. Burt RW, et al. **Bull World Health Organ** 1990;68(5):655–65 (99 ref.)
Familial factors and genetic predisposition to cancer: population studies. Lynch HT, et al. **Cancer Detect Prev** 1991;15(1):49–57 (52 ref.)
The genetics of colorectal cancer. Bishop DT, et al. **Cancer Surv** 1990;9(4):585–604 (86 ref.)
Genetics of common diseases of adulthood. Implications for prenatal counseling and diagnosis. Lubin MB, et al. **Clin Perinatol** 1990 Dec;17(4):889–910 (63 ref.)
Genetic analysis of colorectal cancer. Bodmer WF, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:49–59 (36 ref.)
Metabolic phenotypes and colorectal neoplasia. Fettman MJ, et al. **J Gastroenterol Hepatol** 1991 Jan–Feb;6(1):81–9 (126 ref.)
Hereditary colon cancer syndromes. Fitzgibbons RJ Jr, et al. **Surg Annu** 1991;23 Pt 2:111–32 (72 ref.)
[Thyroid cancer and familial rectocolonic polyposis] de Mestier P. **Chirurgie** 1990;116(6–7):514–6 (14 ref.) (Eng. Abstr.) **(Fre)**
[Molecular analysis of genes involved in colorectal tumors. Markers of tumor predisposition and progression] Grandjouan S, et al. **Gastroenterol Clin Biol** 1991; 15(1):34–48 (44 ref.) **(Fre)**
[Oncogenes and tumor suppressor genes: genetic changes mark the adenoma–carcinoma sequence] Schmiegel WH. **Internist (Berl)** 1991 Jun;32(6):315–20 (55 ref.) **(Ger)**
[Cytomolecular aspects of colorectal carcinoma] Miki Y, et al. **Gan To Kagaku Ryoho** 1991 Apr;18(4):515–21 (38 ref.) (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Do peroperative blood transfusions increase the risk of cancer recurrence? Weiden PL. **Eur J Cancer** 1990;26(9):987–9 (15 ref.)
Carbohydrate antigen expression in colorectal cancer. Kim YS. **Semin Cancer Biol** 1990 Jun;1(3):189–97 (37 ref.)

MICROBIOLOGY

Inoue-Melnick virus and associated diseases in man: recent advances. Inoue YK. **Prog Med Virol** 1991;38:167–79 (47 ref.)

MORTALITY

DNA ploidy and cell kinetics in human colorectal carcinomas. Silvestrini R, et al. **J Surg Oncol Suppl** 1991; 2:4–8 (27 ref.)

PATHOLOGY

Regional chemotherapy for colorectal hepatic metastases using degradable starch microspheres. A review. Ball AB. **Acta Oncol** 1991;30(3):309–13 (72 ref.)
Colorectal cancer: evidence for distinct genetic categories based on proximal or distal tumor location [see comments] Bufill JA. **Ann Intern Med** 1990 Nov 15;113(10):779–88 (153 ref.) Comment in: Ann Intern Med 1991 Mar 1;114(5):431–2.
Malignant potential of juvenile polyposis coli. Report of a case and review of the literature. Longo WE, et al. **Dis Colon Rectum** 1990 Nov;33(11):980–4 (25 ref.)
The role of CEA and liver function tests in the detection of hepatic metastases from colo-rectal cancer. Bonfanti G, et al. **HPB Surg** 1990;3(1):29–36; discussion 36–7 (22 ref.)
Patient selection and factors affecting results following resection for hepatic metastases from colorectal carcinoma. Fegiz G, et al. **Int Surg** 1991 Jan–Mar;76(1):58–63 (27 ref.)
Hepatic resection: when, what kind, and for which patients. Kemeny MM. **J Surg Oncol Suppl** 1991;2:54–8 (17 ref.)
Clinical staging and pathological correlation in colorectal cancer. Mazzeo F, et al. **J Surg Oncol Suppl** 1991;2:21–3 (18 ref.)
Current questions related to an optimal treatment of colorectal liver metastases. Schlag P. **J Surg Oncol Suppl** 1991;2:104–7 (20 ref.)
The clinical and biological significance of the transitional mucosa adjacent to colorectal cancer. Wang QA, et al. **Jpn J Surg** 1991 May;21(3):253–61 (62 ref.)
Surgical pathology of carcinoma of the colon and rectum. Cooper HS, et al. **Semin Oncol** 1991 Aug;18(4):367–80 (61 ref.)
Excision of pulmonary metastasis of colorectal cancer. Murray KD. **Semin Surg Oncol** 1991 May–Jun;7(3):157–61 (13 ref.)
[Experimental models for hepatic metastases from colorectal tumors] Panis Y, et al. **Ann Chir** 1991;45(3):222–8 (97 ref.) (Eng. Abstr.) **(Fre)**
[Role of colorectal lymphoid follicles in intestinal carcinogenesis in rodents and in men] Martin MS. **Gastroenterol Clin Biol** 1990;14(8–9):611–3 (23 ref.) **(Fre)**
[Liver metastasis of colorectal carcinoma: natural history and surgical treatment] Russo F, et al. **G Chir** 1988 Feb; 9(2):135–8 (37 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

The natural history of colorectal cancer. Opportunities for intervention. Winawer SJ, et al. **Cancer** 1991 Feb 15;67(4 Suppl):1143–9 (61 ref.)

PREVENTION & CONTROL

Role of early diagnosis and screening; biomarkers. Miller AB. **Cancer Detect Prev** 1991;15(1):21–6 (20 ref.)
Colorectal cancer screening. Winawer SJ, et al. **J Natl Cancer Inst** 1991 Feb 20;83(4):243–53 (130 ref.)
Screening for colorectal cancer. Ransohoff DF, et al. **N Engl J Med** 1991 Jul 4;325(1):37–41 (52 ref.)
Mechanisms and experimental and epidemiological evidence relating dietary fibre (non-starch polysaccharides) and starch to protection against large bowel cancer. Bingham SA. **Proc Nutr Soc** 1990 Jul;49(2):153–71 (123 ref.)
Preventing colorectal cancer. Ferguson EF Jr, et al. **South Med J** 1990 Nov;83(11):1295–9 (57 ref.)
Intervention studies in adenoma patients. Armitage NC. **World J Surg** 1991 Jan–Feb;15(1):29–34 (62 ref.)
[Colorectal cancer--diagnosis, early detection and staging] Burlefinger R, et al. **Internist (Berl)** 1991 Jun;32(6):321–9 (59 ref.) **(Ger)**

RADIONUCLIDE IMAGING

In-111 monoclonal antibody immunoscintigraphy of colorectal cancer. Lamki LM, et al. **Cancer Treat Res** 1990; 51:293–312 (61 ref.)
Radioimmunoguided surgery: a new intraoperative approach to the detection of tumor. Martin EW Jr, et al. **Cancer Treat Res** 1990;51:387–411 (14 ref.)
Radioimmunolocalization of pelvic recurrences from rectosigmoid cancer employing 111In anti-CEA F(ab')2. Aprile C, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):51–2 (13 ref.)
Immunoscintigraphy of colorectal carcinoma with an anti-CEA monoclonal antibody: a critical review. Buraggi GL, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):45–50 (29 ref.)
Applications of monoclonal antibodies and recombinant cytokines for the treatment of human colorectal and other carcinomas. Greiner JW, et al. **J Surg Oncol Suppl** 1991; 2:9–13 (15 ref.)
[Immunoscintigraphy in colorectal cancers from the viewpoint of the gastroenterologist] Dippold WG, et al. **Z Gastroenterol** 1990 Dec;28(12):673–7 (70 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Surgical considerations in patients with cancer of the colon and rectum. Cohen AM. **Semin Oncol** 1991 Aug; 18(4):381–7 (55 ref.)
Second-look surgery for recurrent colorectal carcinoma: is it worthwhile? Bleday R, et al. **Semin Surg Oncol** 1991 May–Jun;7(3):171–6 (50 ref.)
Follow-up of patients after primary colorectal cancer resection. Pommier R, et al. **Semin Surg Oncol** 1991 May–Jun;7(3):129–32 (20 ref.)
Multiple operations for recurrent colorectal cancer. Sardi A. **Semin Surg Oncol** 1991 May–Jun;7(3):146–56 (83 ref.)
Evaluation of a patient prior to second-look surgery. Wanebo HJ, et al. **Semin Surg Oncol** 1991 May–Jun;7(3):133–7 (13 ref.)
Reoperation for colorectal carcinoma. Austgen TR, et al. **Surg Clin North Am** 1991 Feb;71(1):175–92 (77 ref.)
[Surgical therapy of colorectal cancer] Prokop A, et al. **Internist (Berl)** 1991 Jun;32(6):335–47 (113 ref.) **(Ger)**
[Limits of endoscopic management of malignant colorectal polyps] Williams CB. **Internist (Berl)** 1991 Jun;32(6):330–4 (40 ref.) **(Ger)**
[Advantages and disadvantages of protective colostomy in surgery for cancer of the left colon. Results of a 20-year experience] Bertoldi I, et al. **G Chir** 1988 Mar–Apr; 9(3–4):221–4 (26 ref.) (Eng. Abstr.) **(Ita)**
[Peroperative ultrasonography in surgery of liver metastases in colorectal cancer. A obligatory examination] Wiig JN. **Tidsskr Nor Laegeforen** 1990 Nov 20;110(28):3645–6 (19 ref.) (Eng. Abstr.) **(Nor)**

THERAPY

Role of adjuvant therapy in colorectal cancer. Hesketh PJ, et al. **Adv Intern Med** 1991;36:219–47 (115 ref.)
Recombinant interleukin-2: a biological response modifier [see comments] Kintzel PE, et al. **Clin Pharm** 1991 Feb; 10(2):110–28 (142 ref.) Comment in: Clin Pharm 1991 Feb;10(2):141–2.
Management of colorectal cancer. Cohen AM. **Compr Ther** 1990 Nov;16(11):43–50 (19 ref.)
5-Fluorouracil and recombinant interferon alfa-2a: review of activity and toxicity in advanced colorectal carcinomas. Pazdur R, et al. **Oncol Nurs Forum** 1991 Jan–Feb;18(1 Suppl):11–7 (18 ref.)
Management of non-resectable liver metastases from colorectal cancer. Levitan N, et al. **Oncology (Williston Park)** 1990 Nov;4(11):77–84; discussion 84, 89, 92 (56 ref.)
[Chemo- and immunotherapy of colorectal cancer] Klein HO. **Internist (Berl)** 1991 Jun;32(6):348–53 (56 ref.) **(Ger)**
[Current status of adjuvant therapy in patients with colorectal cancer: report and commentary on the Consensus Conference, 16–18 April 1990, National Cancer Institute, Bethesda, Maryland] Steger G, et al. **Wien Klin Wochenschr** 1991;103(4):117–21 (13 ref.) (Eng. Abstr.) **(Ger)**
[Possibilities of immunotherapy of colorectal cancers and pancreatic tumors] Klapdor R. **Z Gastroenterol Verh** 1991 Mar;26:220–7 (127 ref.) **(Ger)**

COLORECTAL NEOPLASMS, HEREDITARY NONPOLYPOSIS

Hereditary nonpolyposis colorectal cancer (Lynch syndromes I & II). Genetics, pathology, natural history, and cancer control, Part I. Lynch HT, et al. **Cancer Genet Cytogenet** 1991 Jun;53(2):143–60 (66 ref.)

CLASSIFICATION

[Hereditary aspects of colon and rectum carcinoma; risk assessment for relatives of patients and advice for screening] Menko FH. **Ned Tijdschr Geneeskd** 1991 May 25;135(21):928–32 (48 ref.) **(Dut)**

COMPLICATIONS

[Groups at risk for colorectal tumors] Liebe S. **Z Gesamte Inn Med** 1990 Aug 1;45(15):435–8 (35 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

Hereditary colorectal cancer. Lynch HT, et al. **Semin Oncol** 1991 Aug;18(4):337–66 (128 ref.)

COLORING AGENTS see **DYES**

COLORING AGENTS, FOOD see **FOOD COLORING AGENTS**

COLORING AGENTS, HAIR see **HAIR DYES**

COLOSTOMY

Current options in the management of rectal cancer. Kodner IJ, et al. **Adv Surg** 1991;24:1–39 (120 ref.)

[Parastomal pyoderma gangrenosum. 3 new cases] Hill MP, et al. **Ann Dermatol Venereol** 1991;118(2):121–3 (10 ref.) **(Fre)**

[Peri-colostomy hemorrhage due to portal hypertension secondary to hepatic metastasis of a rectal adenocarcinoma. Apropos of a case report. Literature review] Elcheroth J, et al. **Rev Med Brux** 1990 Sep;11(7):261–4 (19 ref.) (Eng. Abstr.) **(Fre)**

[Advantages and disadvantages of protective colostomy in surgery for cancer of the left colon. Results of a 20-year experience] Bertoldi I, et al. **G Chir** 1988 Mar–Apr; 9(3–4):221–4 (26 ref.) (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

A rare cause of parastomal hernia: stomach herniation. McAllister JD, et al. **South Med J** 1991 Jul;84(7):911–2 (4 ref.)

Revision and closure of the colostomy. Doberneck RC. **Surg Clin North Am** 1991 Feb;71(1):193–201 (23 ref.)

METHODS

Fecal diversion for Crohn disease of the colon. Winslet MC, et al. **Surg Annu** 1991;23 Pt 2:99–110 (49 ref.)

Revision and closure of the colostomy. Doberneck RC. **Surg Clin North Am** 1991 Feb;71(1):193–201 (23 ref.)

[Closure of the double-barreled colostomy] Iarümov N, et al. **Khirurgiia (Sofiia)** 1990;43(4):79–81 (26 ref.) (Eng. Abstr.) **(Bul)**

[Report: The ideal reservoir, development of ideas] Van Velthoven R. **Acta Urol Belg** 1991;59(2):77–101 (67 ref.) **(Fre)**

[Surgical treatment of acute forms of Hirschsprung disease and total intestinal aganglionosis in infants] Krasovskaia TV, et al. **Khirurgiia (Mosk)** 1990 Aug;(8):144–9 (75 ref.) **(Rus)**

[Surgical treatment of anorectal developmental defects in children (review of foreign literature)] Smirnov AN, et al. **Khirurgiia (Mosk)** 1990 Aug;(8):149–55 (129 ref.) **(Rus)**

COLOSTRAL IGA see **IGA, SECRETORY**

COLOSTRUM

IMMUNOLOGY

[Correlation between IGA from colostrum and serum and IGA is closer than between salivary IGA and total IGA] Tallería Orriols JJ, et al. **An Esp Pediatr** 1990 Jul;33(1):31–5 (40 ref.) (Eng. Abstr.) **(Spa)**

COLPOHYSTERECTOMY see **HYSTERECTOMY, VAGINAL**

COMA

The persistent vegetative state--1990. Spudis EV. **J Neurol Sci** 1991 Apr;102(2):128–36 (110 ref.)

DIAGNOSIS

Is it time to use evoked potentials to predict outcome in comatose children and adults? Goodwin SR, et al. **Crit Care Med** 1991 Apr;19(4):518–24 (51 ref.)

[Clinical evaluation of coma states] Tulasne PA. **Agressologie** 1990;31(9):621–8 (44 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Risks and benefits of therapy with flumazenil (Anexate) in mixed drug intoxications. Geller E, et al. **Eur Neurol** 1991; 31(4):241–50 (15 ref.)

ETIOLOGY

Myxedema coma. Myers L, et al. **Crit Care Clin** 1991 Jan; 7(1):43–56 (48 ref.)

Neurological sequelae of cerebral malaria in children. Brewster DR, et al. **Lancet** 1990 Oct 27;336(8722):1039–43 (39 ref.)

[Fatal pulmonary edema in a pernicious malaria attack] Rioult B, et al. **Ann Fr Anesth Reanim** 1990;9(6):557–9 (17 ref.) (Eng. Abstr.) **(Fre)**

[Neurologic intensive care in a general hospital--check lists for diagnostic strategy and therapy] Dommel U. **Z Arztl Fortbild (Jena)** 1990;84(22):1149–52 (0 ref.) **(Ger)**

[The post-traumatic coma: new diagnostic and therapeutic orientations] Manni C. **Minerva Anestesiol** 1990 Jul–Aug; 56(7–8):293–8 (0 ref.) **(Ita)**

PHYSIOPATHOLOGY

Consciousness, coma, and the vegetative state: physical basis and definitional character. De Giorgio CM, et al. **Issues Law Med** 1991 Spring;6(4):361–71 (76 ref.)

Can people who are unconscious or in the "vegetative state" perceive pain? McQuillen MP. **Issues Law Med** 1991 Spring;6(4):373–83 (76 ref.)

[Physiopathology of post-traumatic coma: new perspectives] Toffano G, et al. **Minerva Anestesiol** 1990 Jul–Aug; 56(7–8):299–301 (16 ref.) **(Ita)**

REHABILITATION

[Comments on specific early rehabilitation of patients with severe craniocerebral trauma] Schreiber P, et al. **Rehabilitation (Stuttg)** 1990 Nov;29(4):238–41 (20 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

The persistent vegetative state: time for caution? Brown J. **Postgrad Med J** 1990 Sep;66(779):697–8 (11 ref.)

[Endocrine coma] Müller OA. **Internist (Berl)** 1991 Apr; 32(4):181–9 (27 ref.) **(Ger)**

[Post-traumatic coma: diagnostic approaches and prognostic indices] Barelli A, et al. **Minerva Anestesiol** 1990 Jul–Aug; 56(7–8):303–12 (11 ref.) **(Ita)**

COMA, HYPERGLYCEMIC HYPEROSMOLAR NONKETOTIC see **HYPERGLYCEMIC HYPEROSMOLAR NONKETOTIC COMA**

COMBAT DISORDERS

PSYCHOLOGY

Validity issues in research on Vietnam veteran adjustment. King DW, et al. **Psychol Bull** 1991 Jan;109(1):107–24 (112 ref.)

COMBINATION CHEMOTHERAPY see **DRUG THERAPY, COMBINATION**

COMBINATIONS, ANTIBIOTIC see **ANTIBIOTICS, COMBINED**

COMBINED MODALITY THERAPY

see related
ANTINEOPLASTIC AGENTS, COMBINED

[Primary non-Hodgkin's high grade malignant lymphoma of the digestive system. A prospective study of the combination of surgery-chemotherapy-radiotherapy] Renou P, et al. **Bull Cancer (Paris)** 1990;77(8):811–20 (28 ref.) (Eng. Abstr.) **(Fre)**

COMBINING SITE see **BINDING SITES**

COMMERCE

see related
ANTITRUST LAWS
ECONOMIC COMPETITION

The fat kid on the seesaw: American business and health care cost containment, 1970–1990. Bergthold L. **Annu Rev Public Health** 1991;12:157–75 (59 ref.)

[The hospital as an enterprise] Asenjo Sebastián MA. **Med Clin (Barc)** 1991 May 25;96(20):780–3 (40 ref.) **(Spa)**

COMMITMENT OF MENTALLY ILL

see related
PATIENT ADVOCACY

LEGISLATION & JURISPRUDENCE

The dangerousness criterion for civil commitment: the problem and a possible solution. Brouillette MJ, et al. **Can J Psychiatry** 1991 May;36(4):285–9 (23 ref.)

Psychiatry in the Canadian Correctional Service. Green CM, et al. **Can J Psychiatry** 1991 May;36(4):290–5 (18 ref.)

The role of Canadian psychiatry in dangerous offender testimony. Rogers R, et al. **Can J Psychiatry** 1991 Mar; 36(2):79–84 (40 ref.)

Compulsory treatment for drug abuse. Leukefeld CG, et al. **Int J Addict** 1990 Jun;25(6):621–40 (35 ref.)

Competent and incompetent criminal defendants: a quantitative review of comparative research. Nicholson RA, et al. **Psychol Bull** 1991 May;109(3):355–70 (100 ref.)

Another view of autonomy: arranging for consent in advance [see comments] Rosenson MK, et al. **Schizophr Bull** 1991; 17(1):1–7 (22 ref.) Comment in: Schizophr Bull 1991;17(1):9–14.

COMMON BILE DUCT

ABNORMALITIES

Pancreaticobiliary ductal union. Misra SP, et al. **Gut** 1990 Oct;31(10):1144–9 (76 ref.)

A rare extrahepatic biliary anomaly. Elhamel A. **HPB Surg** 1989 Nov;1(4):353–8 (13 ref.)

[Extrahepatic biliary tract atresia and a common biliopancreatic canal. Review of the literature apropos of a case] Vergnes P, et al. **Chir Pediatr** 1990;31(2):73–8 (32 ref.) (Eng. Abstr.) **(Fre)**

[Caroli syndrome in childhood. Review and report of a patient with an unbalanced karyotype] Schrader E, et al. **Kinderarztl Prax** 1991 Apr;59(4):97–100 (28 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Endoscopic choledochoduodenomanometry] Pugaev AV, et al. **Khirurgiia (Mosk)** 1990 Oct;(10):143–7 (68 ref.) **(Rus)**

ULTRASONOGRAPHY

[Ultrasonic study of the dimensions of the common bile duct in various postures] Lorenzon G, et al. **Radiol Med (Torino)** 1990 Oct;80(4):455–62 (28 ref.) (Eng. Abstr.) **(Ita)**

COMMON BILE DUCT CALCULI

COMPLICATIONS

Biliary acute pancreatitis. Winslet MC, et al. **Hepatogastroenterology** 1991 Apr;38(2):120–3 (67 ref.)

DIAGNOSIS

[Peroral and transhepatic cholangioscopy] Schmitt W, et al. **Leber Magen Darm** 1991 May;21(3):116, 119–20, 122–4 (14 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

[Status determination in discussion of benign stenosis of Vater's papilla] Horntrich J. **Gastroenterol J** 1990; 50(2):101–4, discussion 105–8 (19 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Laparoscopic cholecystectomy and the common bile duct. McEntee G, et al. **Br J Surg** 1991 Apr;78(4):385–6 (12 ref.)

Operative choledochoscopy: common bile duct exploration is incomplete without it. Motson RW, et al. **Br J Surg** 1990 Sep;77(9):975–82 (83 ref.)

Endoscopic removal of common duct stones: current indications and controversies. Horton RC, et al. **Postgrad Med J** 1991 Feb;67(784):107–11 (42 ref.)

[Role of intraoperative choledochoscopy in surgery of biliary lithiasis] Zola C, et al. **G Chir** 1988 Mar–Apr;9(3–4):229–32 (33 ref.) (Eng. Abstr.) **(Ita)**

[Percutaneous transhepatic sphincterotomy] Gandini G, et al. **Radiol Med (Torino)** 1990 Dec;80(6):893–7 (14 ref.) (Eng. Abstr.) **(Ita)**

[Endoscopic sphincterotomy in choledocholithiasis: analysis of an experience of 530 interventions] Ginestal-Cruz A, et al. **Acta Med Port** 1990 May–Jun;3(3):133–40 (30 ref.) (Eng. Abstr.) **(Por)**

THERAPY

Management of bile duct stones. Sherman S, et al. **Semin Liver Dis** 1990 Aug;10(3):205–21 (183 ref.)

Reoperation versus alternatives in retained biliary calculi. Gadacz TR. **Surg Clin North Am** 1991 Feb;71(1):93–108 (32 ref.)

[Role of extracorporeal lithotripsy in the treatment of lithiasis of the common bile duct after failure of extraction by endoscopic sphincterotomy] Hagege H. **Ann Gastroenterol Hepatol (Paris)** 1990 Dec;26(7):304–6 (31 ref.) **(Fre)**

[Papillotomy--dilatation of the papilla] van Husen N. **Verh Dtsch Ges Inn Med** 1990;96:619–24 (43 ref.) **(Ger)**

[Alternative approaches to the treatment of cholelithiasis] Dederer IuM, et al. **Khirurgiia (Mosk)** 1990 Oct;(10):147–53 (115 ref.) **(Rus)**

[Treatment of primary choledocholithiasis] Khatsko VV. **Khirurgiia (Mosk)** 1990 Nov;(11):153–6 (82 ref.) **(Rus)**

COMMON BILE DUCT CYST see **CHOLEDOCHAL CYST**

COMMON BILE DUCT DISEASES

Stenosis of the sphincter of Oddi. Moody FG, et al. **Surg Clin North Am** 1990 Dec;70(6):1341–54 (29 ref.)

COMMON BILE DUCT DISEASES

DIAGNOSIS

[Endoscopic choledochoduodenomanometry] Pugaev AV, et al. **Khirurgiia (Mosk)** 1990 Oct;(10):143–7 (68 ref.) **(Rus)**

[Tuberculosis of the biliary system: presentation of a case and review of the literature] Arlandis Félix FJ, et al. **Rev Esp Enferm Dig** 1990 Jul;78(1):43–5 (4 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

[Endoscopic papillotomy] Ermolov AS, et al. **Khirurgiia (Mosk)** 1991 Mar;(3):129–34 (43 ref.) **(Rus)**

[Benign tumours of major duodenal papilla] Shapoval'iants SG, et al. **Khirurgiia (Mosk)** 1991 May;(5):164–71 (105 ref.) **(Rus)**

COMMON BILE DUCT NEOPLASMS

Nonfunctioning paraganglioma of the liver, gallbladder and common bile duct. Ferrell KD, et al. **Indiana Med** 1990 Nov;83(11):822–4 (8 ref.)

DIAGNOSIS

Familial polyposis coli & Gardner's syndrome. Nannery WM, et al. **N J Med** 1990 Sep;87(9):731–3 (11 ref.)

[Villous adenomas of the major duodenal papilla: apropos a case] Damianov D, et al. **Khirurgiia (Sofiia)** 1991; 44(2):27–31 (13 ref.) (Eng. Abstr.) **(Bul)**

[Peroral and transhepatic cholangioscopy] Schmitt W, et al. **Leber Magen Darm** 1991 May;21(3):116, 119–20, 122–4 (14 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Carcinoid tumor of the common bile duct: evidence for its origin in metaplastic endocrine cells. Barrón-Rodríguez LP, et al. **Am J Gastroenterol** 1991 Aug;86(8):1073–6 (23 ref.)

METABOLISM

Primary carcinoid of the common bile duct. Immunohistochemical characterization of a case and review of the literature. Angeles-Angeles A, et al. **Am J Clin Pathol** 1991 Sep;96(3):341–4 (16 ref.)

PATHOLOGY

Histological typing of pancreatic and periampullary carcinoma. Klöppel G, et al. **Eur J Surg Oncol** 1991 Apr; 17(2):139–52 (46 ref.)

A case of familial adenomatous polyposis complicated by thyroid carcinoma, carcinoma of the ampulla of vater and adrenocortical adenoma. Ono C, et al. **Jpn J Surg** 1991 Mar;21(2):234–40 (34 ref.)

SURGERY

Carcinoid tumor of the biliary duct. Bumin C, et al. **Int Surg** 1990 Oct-Dec;75(4):262–4 (14 ref.)

[Neoplasms of Vater's papilla. Diagnosis and surgical treatment] Nobili P, et al. **G Chir** 1988 Oct;9(10):662–9 (40 ref.) (Eng. Abstr.) **(Ita)**

COMMON COLD

ETIOLOGY

The role of neutrophils in the pathogenesis of rhinovirus infections. Turner RB. **Pediatr Infect Dis J** 1990 Nov; 9(11):832–5 (32 ref.)

PREVENTION & CONTROL

[Hardening against the common cold—is it possible?] Ernst E. **Fortschr Med** 1990 Oct 30;108(31):586–8 (34 ref.) (Eng. Abstr.) **(Ger)**

COMMON COLD VIRUS see **RHINOVIRUSES**

COMMON HEPATIC DUCT see **HEPATIC DUCT, COMMON**

COMMON MARKET see **EUROPEAN ECONOMIC COMMUNITY**

COMMUNICABLE DISEASE CONTROL

see related
DISEASE RESERVOIRS
DISEASE VECTORS

Screening of immigrant children for infectious diseases. Hayani KC, et al. **Adv Pediatr Infect Dis** 1991;6:91–110 (30 ref.)

Exclusion of infectious diseases from sheep and goat farms. Smith MC. **Vet Clin North Am Food Anim Pract** 1990 Nov; 6(3):705–20 (59 ref.)

[The worldwide AIDS epidemic and the role of Danida in the international control work] Staugård F, et al. **Ugeskr Laeger** 1990 Dec 31;153(1):4–9 (20 ref.) (Eng. Abstr.) **(Dan)**

ECONOMICS

Infection control and hazards management. Economics of regulatory compliance. Runnells RR. **Dent Clin North Am** 1991 Apr;35(2):427–38 (13 ref.)

Evaluation of the costs and benefits of reducing hospital infection. Drummond MF, et al. **J Hosp Infect** 1991 Jun; 18 Suppl A:85–93 (19 ref.)

HISTORY

Hospital infection: the first 2500 years. Selwyn S. **J Hosp Infect** 1991 Jun;18 Suppl A:5–64 (206 ref.)

LEGISLATION & JURISPRUDENCE

AIDS prevention: legislative options. Clark ME. **Am J Law Med** 1990;16(1–2):107–53 (295 ref.)

Medical privacy issues in the age of AIDS: legislative options. Edgar H, et al. **Am J Law Med** 1990;16(1–2):155–222 (324 ref.)

Current status of Occupational Safety and Health Administration infection control regulations. Crawford JJ. **Dent Clin North Am** 1991 Apr;35(2):309–22 (6 ref.)

1989 LeTourneau Award. When universal precautions fail. Communicable disease notification laws for emergency responders. Steele LJ. **J Leg Med** 1990 Dec;11(4):451–80 (121 ref.)

AIDS, the law and civil liberties. Lansdell GT. **Med J Aust** 1991 Jan 7;154(1):61–7 (26 ref.)

[Possibilities and limits of the epidemic regulation in relation to the control of AIDS] Schenke WR. **Internist (Berl)** 1990 Sep;31(9):582–6 (15 ref.) **(Ger)**

METHODS

Personal barrier protection. Harfst SA. **Dent Clin North Am** 1991 Apr;35(2):357–66 (41 ref.)

Infection control of in-office dental laboratories. King AH, et al. **Dent Clin North Am** 1991 Apr;35(2):415–26 (18 ref.)

Role of disinfectants in infection control. Molinari JA, et al. **Dent Clin North Am** 1991 Apr;35(2):323–37 (22 ref.)

Veterinary sources of foodborne illness. Johnston AM. **Lancet** 1990 Oct 6;336(8719):856–8 (15 ref.)

Infection control of field dental units. McCarthy MF, et al. **Milit Med** 1991 Jan;156(1):5–8 (27 ref.)

Infection control in the dental laboratory: a review of the literature. Schwartz R, et al. **Milit Med** 1991 Jan;156(1):1–4 (50 ref.)

Safe handling of vaccines. Casto DT, et al. **Pediatrics** 1991 Jan;87(1):108–12 (17 ref.)

Assessing the risk of occupational acquisition of the human immunodeficiency virus: implications for hospital policy. Orient JM. **South Med J** 1990 Oct;83(10):1121–7 (45 ref.)

[Epidemiology and prophylaxis of viral hemorrhagic fevers] Martet G, et al. **Med Trop (Mars)** 1990 Jul-Sep;50(3):331–8 (15 ref.) (Eng. Abstr.) **(Fre)**

[Active and passive immunization: 1991 status] Herzog C. **Ther Umsch** 1991 Apr;48(4):232–44 (38 ref.) (Eng. Abstr.) **(Ger)**

[Prevention of infectious diseases in traveling] Hirschel B. **Ther Umsch** 1991 Apr;48(4):245–50 (8 ref.) (Eng. Abstr.) **(Ger)**

[Secondary prevention in HIV infection] Weber R, et al. **Ther Umsch** 1991 Apr;48(4):258–63 (17 ref.) (Eng. Abstr.) **(Ger)**

[Is separation of classrooms an efficient method for the prevention of dissemination of infectious diseases in day care centers?] Costa Bou X. **An Esp Pediatr** 1991 Feb; 34(2):145–8 (35 ref.) **(Spa)**

COMMUNICABLE DISEASES

see related
DISEASE RESERVOIRS

Community-acquired pneumonia: the clinical dilemma. Bowton DL, et al. **J Thorac Imaging** 1991 Jul;6(3):1–5 (26 ref.)

Hot tubs, sex, sushi, and infectious diseases. Lorber B. **Pharmacotherapy** 1991;11(2 (Pt 2)):56S–63S (77 ref.)

Infection and infectious diseases [see comments] Welsby PD. **Postgrad Med J** 1990 Oct;66(780):807–17 (85 ref.) Comment in: Postgrad Med J 1991 Apr;67(786):401.

[Infectious pathology] Escudero Fernández B, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 43:3–12 (24 ref.) **(Spa)**

COMPLICATIONS

[Acute surgical abdomen in infectious and parasitic diseases] Viiachki I, et al. **Khirurgiia (Sofiia)** 1990;43(3):79–84 (21 ref.) (Eng. Abstr.) **(Bul)**

[Infective pathology of the digestive tract in patients with human immunodeficiency virus infection] Podzamczer D, et al. **Enferm Infecc Microbiol Clin** 1989 Mar;7(3):160–6 (107 ref.) **(Spa)**

DIAGNOSIS

Molecular pathology and diagnosis of infectious diseases. Figueroa ME, et al. **Am J Clin Pathol** 1991 Apr;95(4 Suppl 1):S8–21 (92 ref.)

Overview of infectious diseases, Part 1. Acuncius LJ, et al. **Am Pharm** 1990 Oct;NS30(10):51–5 (12 ref.)

[The new diagnostic technologies] Buesa Gómez J. **An Esp Pediatr** 1989 Sep;31 Suppl 38:139–44 (28 ref.) **(Spa)**

DRUG THERAPY

Overview of infectious diseases, Part 3. Acuncius LJ, et al. **Am Pharm** 1990 Dec;NS30(12):64–8 (10 ref.)

Supportive care for patients with acute leukemia. Lee EJ. **Curr Opin Oncol** 1990 Feb;2(1):55–61 (24 ref.)

[Use of acyclovir in infectious diseases—update] Oren B, et al. **Harefuah** 1990 Aug;119(3–4):103–6 (39 ref.) **(Heb)**

ETHNOLOGY

Major infectious diseases causing excess morbidity in the Hispanic population. Sumaya CV. **Arch Intern Med** 1991 Aug;151(8):1513–20 (87 ref.)

ETIOLOGY

Infectious complications in the management of systemic vasculitis and rapidly progressive glomerulonephritis. Neild GH. **APMIS Suppl** 1990;19:56–60 (26 ref.)

IMMUNOLOGY

Mechanisms and modulation of macrophage activation. Nathan C. **Behring Inst Mitt** 1991 Feb;(88):200–7 (54 ref.)

[Anti-infectious immunity, vaccination and histocompatibility antigens] Medunitsyn NV. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Aug;(8):107–12 (31 ref.) **(Rus)**

PSYCHOLOGY

Stress and infectious disease in humans. Cohen S, et al. **Psychol Bull** 1991 Jan;109(1):5–24 (140 ref.)

THERAPY

Immunoglobulin therapy in infectious disease. Pennington JE. **Cleve Clin J Med** 1991 Jul-Aug;58(4):309–12 (15 ref.)

TRANSMISSION

Transmission of infectious diseases in outpatient health care settings. Goodman RA, et al. **JAMA** 1991 May 8; 265(18):2377–81 (61 ref.)

Vector-borne diseases. Sharma S. **Prog Drug Res** 1990; 35:365–485 (564 ref.)

[The use of jet injector-type apparatus in vaccination. The risk of the transmission of infectious agents via a jet under pressure] Dimache G. **Rev Ig [Bacteriol]** 1990 Apr-Jun; 35(2):169–81 (38 ref.) **(Rum)**

VETERINARY

[The biological and social aspects of infectious pathology in animals] Bakulov IA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Jul;(7):87–92 (19 ref.) **(Rus)**

COMMUNICATION

Verbal communication impairment in dementia research frontiers in language and cognition. Domenico RA. **Adv Exp Med Biol** 1990;282:79–88 (22 ref.)

Previewing: a preventive strategy that promotes adaptive development. Trad PV. **Am J Psychother** 1991 Apr; 45(2):231–42 (21 ref.)

Interpersonal communication between nurses and patients. Garvin BJ, et al. **Annu Rev Nurs Res** 1990;8:213–34 (60 ref.)

Suicide notes and their implications for intervention. Leenaars AA. **Crisis** 1991 Apr;12(1):1–20 (37 ref.)

The communicative function hypothesis: an operant behavior perspective. Cipani E. **J Behav Ther Exp Psychiatry** 1990 Dec;21(4):239–47 (26 ref.)

Recent studies of mentally handicapped young people's behaviour. Fraser WI, et al. **J Child Psychol Psychiatry** 1991 Jan;32(1):79–108 (200 ref.)

Social deviance in autism: a central integrative failure as a model for social nonengagement. Shapiro T, et al. **Psychiatr Clin North Am** 1991 Mar;14(1):19–32 (53 ref.)

Approaches to communicating preventive behaviors. Buller DB, et al. **Semin Oncol Nurs** 1991 Feb;7(1):53–63 (47 ref.)

[Biology of human speech communication] Hertrich I. **Anthropol Anz** 1991 Mar;49(1–2):97–119 (29 ref.) (Eng. Abstr.) **(Ger)**

[Communicating with families of children with cerebral palsy] Przytycki A. **Harefuah** 1990 Aug;119(3–4):99–101 (12 ref.) **(Heb)**

COMMUNICATION AIDS FOR HANDICAPPED

Computer access for persons who are blind or visually impaired: human factors issues. Griffith D. **Hum Factors** 1990 Aug;32(4):467–75 (14 ref.)

Use of microcomputers by young children with severe disabilities: a brief review of studies and their implications. Parette HP Jr, et al. **Percept Mot Skills** 1990 Dec;71(3 Pt 1):915–8 (14 ref.)

COMMUNICATION BARRIERS

Improving compliance and increasing control of hypertension: needs of special hypertensive populations. Clark LT. **Am Heart J** 1991 Feb;121(2 (Pt 2)):664–9 (45 ref.)

COMMUNICATION BOARDS see **COMMUNICATION AIDS FOR HANDICAPPED**

COMMUNICATIVE DISORDERS

EPIDEMIOLOGY

Morbidity, epidemiology and systems analysis in phoniatrics: introduction, literature, updating. Schindler O. **Folia Phoniatr (Basel)** 1990;42(6):320–6 (4 ref.)

REHABILITATION

Video applications: past, present, and future. Huer MB, et al. **ASHA** 1990 Nov;32(11):57–60, 68 (29 ref.)

The changing role of the speech-language pathologist in pediatric rehabilitation/habilitation. Gardner J, et al. **Pediatrician** 1990;17(4):283–6 (9 ref.)

COMMUNITY ACTION see **CONSUMER PARTICIPATION**

COMMUNITY HEALTH CARE see **COMMUNITY HEALTH SERVICES**

COMMUNITY HEALTH CENTERS

Senior centers and minority elders: a critical review. Ralston PA. **Gerontologist** 1991 Jun;31(3):325–31 (65 ref.)

ECONOMICS

Financing geriatric programs in community health centers. Yeatts DE, et al. **Public Health Rep** 1991 Jul–Aug; 106(4):375–83 (7 ref.)

COMMUNITY HEALTH EDUCATION see **HEALTH EDUCATION**

COMMUNITY HEALTH NURSING

Nurses caring for the terminally ill in the community: a review of the literature. Bergen A. **Int J Nurs Stud** 1991; 28(1):89–101 (46 ref.)

COMMUNITY HEALTH SERVICES

Community prevention efforts to reduce the spread of AIDS associated with intravenous drug abuse. Leukefeld CG, et al. **AIDS Educ Prev** 1990 Fall;2(3):235–43 (18 ref.)

Head injury—how community paediatricians can help. Crouchman M. **Arch Dis Child** 1990 Nov;65(11):1286–7 (10 ref.)

Prenatal substance abuse. Gittler J, et al. **Child Today** 1990 Jul–Aug;19(4):3–7 (17 ref.)

On health and healing: community health care in India. Antia NH. **Indian J Pediatr** 1991 Mar–Apr;58(2):161–73 (10 ref.)

Perinatal care and learning disorders: a community view. Culpepper L, et al. **R I Med J** 1991 Jun;74(6):265–74 (41 ref.)

ORGANIZATION & ADMINISTRATION

Community-based secondary prevention with the pregnant adolescent [see comments] Auterman ME. **Birth Defects** 1991;27(1):206–27 (85 ref.) Comment in: Birth Defects 1991;27(1):228–34.

Community-based tertiary prevention with the adolescent parent and child [see comments] Jones LC. **Birth Defects** 1991;27(1):235–49 (42 ref.) Comment in: Birth Defects 1991;27(1):250–64.

Community-based primary prevention of adolescent pregnancy [see comments] Norr KF. **Birth Defects** 1991; 27(1):175–99 (57 ref.) Comment in: Birth Defects 1991;27(1):200–5.

Community cancer programs as strategic alliances: challenges and guidelines for action. Kaluzny AD. **Can Med Assoc J** 1991 Jun 1;144(11):1427–32 (30 ref.)

Cure and care: interaction between cancer centers and palliative care units. MacDonald N. **Recent Results Cancer Res** 1991;121:399–407 (12 ref.)

STANDARDS

A critique of community-based tertiary prevention with the adolescent parent and child [comment] Flick LH. **Birth Defects** 1991;27(1):250–64 (43 ref.) Comment on: Birth Defects 1991;27(1):235–49.

UTILIZATION

Known diabetes and fasting hyperglycaemia in the elderly. Prevalence and economic impact upon health services. Damsgaard EM. **Dan Med Bull** 1990 Dec;37(6):530–46 (126 ref.)

COMMUNITY-INSTITUTIONAL RELATIONS

Working with pregnant women at high risk for HIV infection: outreach and intervention. Weissman G. **Bull N Y Acad Med** 1991 May–Jun;67(3):291–300 (6 ref.)

COMMUNITY MENTAL HEALTH SERVICES

Community treatment for the seriously mentally ill: is this community psychology? [comment] Mowbray CT. **Am J Community Psychol** 1990 Dec;18(6):893–902 (18 ref.) Comment on: Am J Community Psychol 1990 Dec;18(6):865–91.

ECONOMICS

Costing mental health services. Knapp M, et al. **Psychol Med** 1990 Nov;20(4):893–908 (29 ref.)

Cost-effectiveness studies in the treatment of schizophrenia: a review. Goldberg D. **Soc Psychiatry Psychiatr Epidemiol** 1991 May;26(3):139–42 (23 ref.)

LEGISLATION & JURISPRUDENCE

Case management for the mentally ill: looking at the evidence. Holloway F. **Int J Soc Psychiatry** 1991 Spring; 37(1):2–13 (66 ref.)

ORGANIZATION & ADMINISTRATION

Mental health care in a general health care system: the experience of the Puyallup. Guilmet GM, et al. **Am Indian Alsk Native Ment Health Res** 1988;1 MONO 1:291–316 discussion 317–24 (55 ref.)

[Support system for the demented elderly—the viewpoint of community care] Okuni M. **Nippon Ronen Igakkai Zasshi** 1990 May;27(3):314–8 (7 ref.) (Eng. Abstr.) **(Jpn)**

TRENDS

Regionalization of psychiatric services for the elderly. Shulman KI. **Can J Psychiatry** 1991 Feb;36(1):3–8 (41 ref.)

A decade of case management: a methodological review of outcome research. Chamberlain R, et al. **Community Ment Health J** 1991 Jun;27(3):171–88 (45 ref.)

Issues in providing mental health services to hearing-impaired persons. Steinberg A. **Hosp Community Psychiatry** 1991 Apr;42(4):380–9 (97 ref.)

The relationship between existing residential services and the needs of autistic adults. Van Bourgondien ME, et al. **J Autism Dev Disord** 1990 Sep;20(3):299–308 (18 ref.)

Improving treatment for the severely mentally ill: implications of the decade-long Italian psychiatric reform [published erratum appears in Psychiatry 1990 Nov;53(4):424] Glick ID. **Psychiatry** 1990 Aug; 53(3):316–23 (20 ref.)

Community versus hospital care: the crisis in psychiatric provision. Prior L. **Soc Sci Med** 1991;32(4):483–9 (46 ref.)

UTILIZATION

Noncompliance in community psychiatry: a review of clinical interventions. Chen A. **Hosp Community Psychiatry** 1991 Mar;42(3):282–7 (67 ref.)

COMMUNITY PHARMACIES see **PHARMACIES**

COMMUNITY PHARMACY SERVICES

Nutritional considerations in the elderly. Boyd JA, et al. **Am Pharm** 1991 Apr;NS31(4):45–50 (13 ref.)

Pharmacists and GP prescribing. Kendall H, et al. **Practitioner** 1990 Sep;234(1494):855–6 (3 ref.)

ECONOMICS

Choices in prescription-drug benefit programs: mail versus community pharmacy services. Kirking DM, et al. **Milbank Q** 1990;68(1):29–51 (72 ref.)

COMMUNITY PSYCHIATRY

A practitioner's guide to meta-analysis. Durlak JA, et al. **Am J Community Psychol** 1991 Jun;19(3):291–332 (90 ref.)

[The beginnings of ethno-psychological and socio-psychiatric studies of the ethnic groups of Transylvania at the turn of the century] Pisztora F. **Orv Hetil** 1990 Nov 18;131(46):2549–52 (22 ref.) **(Hun)**

COMPARTMENT SYNDROMES

see related
NERVE COMPRESSION SYNDROMES

[Acute compartment syndrome] Engelund D, et al. **Ugeskr Laeger** 1991 Apr 15;153(16):1110–3 (30 ref.) (Eng. Abstr.) **(Dan)**

DIAGNOSIS

Chronic compartment syndrome of the leg. Bouché RT. **J Am Podiatr Med Assoc** 1990 Dec;80(12):633–48 (63 ref.)

[Diagnosis of compartment syndrome] Reschauer R. **Unfallchirurg** 1991 May;94(5):216–9 (5 ref.) (Eng. Abstr.) **(Ger)**

[Pathophysiology and pressure measurement in compartment syndrome] Scola E. **Unfallchirurg** 1991 May;94(5):220–4 (13 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Orthopedic complications. Compartment syndrome, fat embolism syndrome, and venous thromboembolism. Slye DA. **Nurs Clin North Am** 1991 Mar;26(1):113–32 (58 ref.)

Compartment syndrome complicating prolonged use of the lithotomy position. Neagle CE, et al. **Surgery** 1991 Sep; 110(3):566–9 (18 ref.)

[Compartment syndrome. Definition, etiology, pathophysiology] Oestern HJ. **Unfallchirurg** 1991 May; 94(5):210–5 (44 ref.) (Eng. Abstr.) **(Ger)**

[Current knowledge of the compartment syndrome] Machan FG, et al. **Unfallchirurgie** 1991 Apr;17(2):100–5 (12 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Injuries of the lower extremity, painful lesions, compartment syndrome, and soft tissue calcification. Sheon RP. **Curr Opin Rheumatol** 1991 Apr;3(2):203–6 (25 ref.)

PHYSIOPATHOLOGY

[10 theses for compartment syndrome] Machan FG. **Z Arztl Fortbild (Jena)** 1991 Mar 25;85(6):253–60 (24 ref.) **(Ger)**

SURGERY

Replication of the compartment syndrome in a canine model: experimental evaluation of treatment. Ricci MA, et al. **J Invest Surg** 1990;3(2):129–40 (41 ref.)

[Compartment syndrome. Principles of therapy] Echtermeyer V. **Unfallchirurg** 1991 May;94(5):225–30 (21 ref.) (Eng. Abstr.) **(Ger)**

[Compartment syndrome of the hand. Diagnosis, therapy, results, late sequelae] Tempka A, et al. **Unfallchirurg** 1991 May;94(5):240–3 (9 ref.) (Eng. Abstr.) **(Ger)**

COMPETENCE, CLINICAL see **CLINICAL COMPETENCE**

COMPETENCE, IMMUNOLOGIC see **IMMUNOCOMPETENCE**

COMPETENCE, PROFESSIONAL see **PROFESSIONAL COMPETENCE**

COMPETITION, ECONOMIC see **ECONOMIC COMPETITION**

COMPLEMENT

The complement system. Boackle RJ. **Immunol Ser** 1990; 50:143–71 (6 ref.)

[Study of the complement system. General principles and perspectives] Julen N, et al. **Ann Biol Clin (Paris)** 1990; 48(6):349–60 (72 ref.) (Eng. Abstr.) **(Fre)**

ANALYSIS

Diagnostic significance of hypocomplementemia [editorial] Hebert LA, et al. **Kidney Int** 1991 May;39(5):811–21 (138 ref.)

[Current overview of diagnostic possibilities of complement analysis] Nydegger U. **Wien Med Wochenschr Suppl** 1990; 107:12–22 (3 ref.) (Eng. Abstr.) **(Ger)**

CHEMISTRY

C3, C4 and C5: the thioester site. Law SK, et al. **Biochem Soc Trans** 1990 Dec;18(6):1155–9 (47 ref.)

Molecular modelling strategies in application to complement. Perkins SJ, et al. **Biochem Soc Trans** 1990 Dec;18(6):1151–4 (18 ref.)

DEFICIENCY

Inherited complement deficiency states: implications for immunity and immunological disease. Sjöholm AG. **APMIS** 1990 Oct;98(10):861–74 (108 ref.)

Inherited deficiencies of complement proteins with special reference to congenital deficiency of the regulatory protein factor I. Rasmussen JM. **APMIS Suppl** 1991;22:1–48 (297 ref.)

Infectious diseases associated with complement deficiencies. Figueroa JE, et al. **Clin Microbiol Rev** 1991 Jul;4(3):359–95 (392 ref.)

Complement deficiencies and abnormalities of the complement system in systemic lupus erythematosus and related disorders. Walport MJ, et al. **Curr Opin Rheumatol** 1990 Aug;2(4):661–3 (13 ref.)

Complement components and receptors: deficiencies and disease associations. Bartholomew WR, et al. **Immunol Ser** 1990;52:33–51 (48 ref.)

[Occurrence of complement defects in meningococcal disease: who should be examined?] Nielsen HE, et al. **Ugeskr Laeger** 1991 Apr 15;153(16):1113–6 (18 ref.) (Eng. Abstr.) **(Dan)**

GENETICS

Complement genetics. Schur PH. **Immunol Ser** 1989; 43:781–814 (104 ref.)

Complement genetics and host defence. Lachmann PJ. **Int J Med Microbiol** 1990 Dec;274(3):316–24 (11 ref.)

COMPLEMENT

IMMUNOLOGY

Immunoglobulin and complement. Coles GA. **Contrib Nephrol** 1990;85:24–9 (27 ref.)
The role of complement in host resistance to systemic fungal infection. Calderone RA, et al. **Immunol Ser** 1989;47:225–42 (62 ref.)
Immune complex and complement-mediated leukocyte recruitment in bullous pemphigoid. Gammon WR. **Immunol Ser** 1989;46:509–25 (30 ref.)
Neutrophil disorders in burn injury: complement, cytokines, and organ injury. Solomkin JS. **J Trauma** 1990 Dec;30(12 Suppl):S80–5 (95 ref.)
Glomerular injury induced by antibody and complement. Quigg RJ. **Semin Nephrol** 1991 May;11(3):259–67 (89 ref.)
[The characteristic functions of the complement system] Gancevici G. **Rev Ig [Bacteriol]** 1990 Jan–Mar;35(1):77–85 (50 ref.) **(Rum)**
[Methods of testing the complement (review of the literature)] Vavilova LM, et al. **Lab Delo** 1991;(4):6–13 (57 ref.) **(Rus)**

METABOLISM

Interaction of complement with HIV-1 and Candida albicans: molecular mechanisms and biological implications. Dierich MP, et al. **Mol Immunol** 1990 Dec;27(12):1349–53 (58 ref.)
[The terminal complement complex (TCC)—a mediator in the development of disease in man?] Garred P. **Ugeskr Laeger** 1991 Jan 28;153(5):351–3 (30 ref.) (Eng. Abstr.) **(Dan)**
[Structure and properties of the complement system proteinases] Galebskaia LV, et al. **Ukr Biokhim Zh** 1990 Nov–Dec;62(6):3–15 (85 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The interaction between complement component C4b-binding protein and the vitamin K-dependent protein S forms a link between blood coagulation and the complement system. Hessing M. **Biochem J** 1991 Aug 1; 277 (Pt 3):581–92 (229 ref.)
Protection against complement lysis. Lachmann PJ. **Biochem Soc Trans** 1990 Dec;18(6):1159–60 (11 ref.)
Biological functions of the complement system. Lachmann PJ. **Biochem Soc Trans** 1990 Dec;18(6):1143–5 (12 ref.)
The interaction of salivary secretions with the human complement system—a model for the study of host defense systems on inflamed mucosal surfaces. Boackle RJ. **Crit Rev Oral Biol Med** 1991;2(3):355–67 (82 ref.)
Thrombolysis: adjuvant therapy and the role of complement. Fox KA. **Eur Heart J** 1990 Aug;11 Suppl F:36–42 (25 ref.)
[The role of complement system in infections] Garred P. **Tidsskr Nor Laegeforen** 1991 Jan 10;111(1):53–8 (56 ref.) (Eng. Abstr.) **(Nor)**

COMPLEMENT 1

CHEMISTRY

Arrangement of the C1 complex of complement. Arlaud GJ, et al. **Biochem Soc Trans** 1990 Dec;18(6):1148–51 (36 ref.)

METABOLISM

Autoantibody-facilitated proteolytic cleavage: a new pathogenic mechanism in autoimmunity. Jackson J. **Biochem Soc Trans** 1991 Feb;19(1):176–80 (32 ref.)

COMPLEMENT 1 ESTERASE INHIBITORS see **COMPLEMENT 1 INACTIVATORS**

COMPLEMENT 1 INACTIVATORS

IMMUNOLOGY

Autoimmune angioedema: a new role for autoantibody in disease pathogenesis. Jackson J, et al. **Autoimmunity** 1990; 7(2–3):181–7 (22 ref.)
Autoantibody-facilitated proteolytic cleavage: a new pathogenic mechanism in autoimmunity. Jackson J. **Biochem Soc Trans** 1991 Feb;19(1):176–80 (32 ref.)

COMPLEMENT 1 INHIBITORS see **COMPLEMENT 1 INACTIVATORS**

COMPLEMENT 1Q

METABOLISM

Interaction of C1q, and other proteins containing collagen-like domains, with the C1q receptor. Malhotra R, et al. **Biochem Soc Trans** 1990 Dec;18(6):1145–8 (35 ref.)

COMPLEMENT 2

DEFICIENCY

[Systemic lupus erythematosus associated with homozygous C2 deficiency. Apropos of a case report and literature review] Borradori L, et al. **Schweiz Med Wochenschr** 1991 Mar 23;121(12):418–23 (38 ref.) (Eng. Abstr.) **(Fre)**

COMPLEMENT 3

IMMUNOLOGY

[Current theories on the pathogenesis and treatment of nocturnal paroxysmal hemoglobinuria (NPH)] Robak T. **Przegl Lek** 1990;47(11):763–6 (0 ref.) **(Pol)**

METABOLISM

[Cellular receptors and regulator proteins reacting with C3 activation products] Garred P. **Tidsskr Nor Laegeforen** 1991 Feb 28;111(6):709–13 (17 ref.) (Eng. Abstr.) **(Nor)**

PHYSIOLOGY

Complement C3: a molecular mosaic of binding sites. Fishelson Z. **Mol Immunol** 1991 Apr–May;28(4–5):545–52 (81 ref.)

COMPLEMENT 3B

METABOLISM

Contribution of CR3, CD11b/CD18 to cytolysis by human NK cells. Klein E, et al. **Mol Immunol** 1990 Dec; 27(12):1343–7 (27 ref.)

COMPLEMENT 4B

METABOLISM

C4b-binding protein, a regulatory protein of complement. Barnum SR. **Immunol Res** 1991;10(1):28–42 (81 ref.)

PHYSIOLOGY

The interaction between complement component C4b-binding protein and the vitamin K-dependent protein S forms a link between blood coagulation and the complement system. Hessing M. **Biochem J** 1991 Aug 1; 277 (Pt 3):581–92 (229 ref.)

COMPLEMENT 8

GENETICS

Chromosomal assignment and physical linkage of the human C8 loci: implications regarding C8 polymorphisms and deficiencies. Snider JV, et al. **Complement Inflamm** 1990; 7(4–6):298–301 (13 ref.)

COMPLEMENT 9

DEFICIENCY

Recurrent meningitis in a patient with congenital deficiency of the C9 component of complement. First case of C9 deficiency in Europe. Zoppi M, et al. **Arch Intern Med** 1990 Nov;150(11):2395–9 (43 ref.)

COMPLEMENT ACTIVATION

Inherited deficiencies of complement proteins with special reference to congenital deficiency of the regulatory protein factor I. Rasmussen JM. **APMIS Suppl** 1991;22:1–48 (297 ref.)
The complement system. Activation, modulation, and clinical relevance. Lim HW. **Dermatol Clin** 1990 Oct;8(4):609–18 (66 ref.)
Complement C3: a molecular mosaic of binding sites. Fishelson Z. **Mol Immunol** 1991 Apr–May;28(4–5):545–52 (81 ref.)

DRUG EFFECTS

Biomedical polymers differ in their capacity to activate complement. Janatova J, et al. **Complement Inflamm** 1991; 8(2):61–9 (44 ref.)

GENETICS

Polymorphisms of the regulators of complement activation gene cluster. Hourcade D, et al. **Complement Inflamm** 1990; 7(4–6):302–14 (71 ref.)

IMMUNOLOGY

Complement activation and organ function in critically ill surgical patients. Bengtson A, et al. **Acute Care** 1988–89; 14–15:111–37 (219 ref.)
A model for the interplay of inflammatory mediators in sepsis—a study in 48 patients. Hack CE, et al. **Intensive Care Med** 1990;16 Suppl 3:S187–91 (39 ref.)
[Current theories on the pathogenesis and treatment of nocturnal paroxysmal hemoglobinuria (NPH)] Robak T. **Przegl Lek** 1990;47(11):763–6 (0 ref.) **(Pol)**

PHYSIOLOGY

[The terminal complement complex (TCC)—a mediator in the development of disease in man?] Garred P. **Ugeskr Laeger** 1991 Jan 28;153(5):351–3 (30 ref.) (Eng. Abstr.) **(Dan)**

COMPLEMENT INACTIVATORS

DEFICIENCY

Erythrocyte membrane protein deficiencies in paroxysmal nocturnal hemoglobinuria. Schultz DR. **Am J Med** 1989 Sep;87(3N):22N–29N (94 ref.)
[Current theories on the pathogenesis and treatment of nocturnal paroxysmal hemoglobinuria (NPH)] Robak T. **Przegl Lek** 1990;47(11):763–6 (0 ref.) **(Pol)**

COMPLEMENT INHIBITORS see **COMPLEMENT INACTIVATORS**

COMPLEMENT PATHWAY, CLASSICAL

C4b-binding protein, a regulatory protein of complement. Barnum SR. **Immunol Res** 1991;10(1):28–42 (81 ref.)

COMPLEMENT PROTEINS see **COMPLEMENT**

COMPLEMENT 3 RECEPTOR see **MACROPHAGE-1 ANTIGEN**

COMPLEMENT RECEPTORS see **RECEPTORS, COMPLEMENT**

COMPLEMENTARITY-DETERMINING REGION see **IMMUNOGLOBULIN VARIABLE REGION**

COMPLEMENTARY DNA see **DNA**

COMPLEX III see **UBIQUINOL-CYTOCHROME C REDUCTASE**

COMPLEXONS see **CHELATING AGENTS**

COMPLIANT BEHAVIOR see **COOPERATIVE BEHAVIOR**

COMPOSITE RESINS

Current status and rationale for composite inlays and onlays. Burke FJ, et al. **Br Dent J** 1991 Apr 6;170(7):269–73 (50 ref.)
Present and future value of dental composite materials and sealants. Dogon IL. **Int J Technol Assess Health Care** 1990; 6(3):369–77 (52 ref.)
Materials techniques for lining composite resin restorations: a critical approach. Brännström M, et al. **J Dent** 1991 Apr; 19(2):71–9 (61 ref.)
Direct composite resin restorations in posterior teeth. Bryant RW. **N Z Dent J** 1991 Apr;87(388):39–42 (11 ref.)
The composite resin inlay as an alternative to amalgam. Martin FE. **N Z Dent J** 1991 Apr;87(388):43–5 (15 ref.)

CHEMISTRY

Wear measurements in clinical studies of composite resin restorations in the posterior region: a review. Kreulen CM, et al. **ASDC J Dent Child** 1991 Mar–Apr;58(2):109–23 (113 ref.)
Composite restorative materials. Jones DW. **J Can Dent Assoc** 1990 Sep;56(9):851–6 (32 ref.)

CONTRAINDICATIONS

Xeroderma pigmentosum: review and report of a case. Patton LL, et al. **Oral Surg Oral Med Oral Pathol** 1991 Mar; 71(3):297–300 (24 ref.)

COMPREHENSIVE DENTAL CARE

STANDARDS

Expert opinions on nutrition issues in clinical dentistry. Palmer CA, et al. **J Dent Educ** 1990 Oct;54(10):612–8 (32 ref.)

COMPREHENSIVE HEALTH CARE

Developing comprehensive care systems for individuals with HIV infection. Gee G. **Immunol Ser** 1989;44:569–604 (32 ref.)

COMPREHENSIVE HEALTH INSURANCE see **INSURANCE, MAJOR MEDICAL**

COMPREHENSIVE HEALTH PLANNING see **REGIONAL HEALTH PLANNING**

COMPREHENSIVE HEALTH PLANS, STATE see **STATE HEALTH PLANS**

COMPULSIVE BEHAVIOR

see related
OBSESSIVE-COMPULSIVE DISORDER

PSYCHOLOGY

Compulsive overeating. Miller KD. **Nurs Clin North Am** 1991 Sep;26(3):699–705 (20 ref.)

COMPUTED TOMOGRAPHY SCANNERS, X-RAY see **TOMOGRAPHY SCANNERS, X-RAY COMPUTED**

COMPUTER ARCHITECTURE see **COMPUTER SYSTEMS**

COMPUTER-ASSISTED DECISION MAKING see **DECISION MAKING, COMPUTER-ASSISTED**

COMPUTER-ASSISTED DIAGNOSIS see **DIAGNOSIS, COMPUTER-ASSISTED**

COMPUTER-ASSISTED DRUG THERAPY see **DRUG THERAPY, COMPUTER-ASSISTED**

COMPUTER-ASSISTED IMAGE PROCESSING see **IMAGE PROCESSING, COMPUTER-ASSISTED**

COMPUTER-ASSISTED INSTRUCTION

INSTRUMENTATION

Harnessing computer technology for behavioral therapy training and research. Lambert ME, et al. **Prog Behav Modif** 1991;27:86–103 (100 ref.)

METHODS

Computers in medical education: information and knowledge management, understanding, and learning. Henry JB. **Hum Pathol** 1990 Oct;21(10):998–1002 (9 ref.)

Computer–assisted strategies for substance abuse prevention: opportunities and barriers. Orlandi MA, et al. **J Consult Clin Psychol** 1990 Aug;58(4):425–31 (43 ref.)

Application of teaching and learning principles to computer–aided instruction. Jelovsek FR, et al. **MD Comput** 1989 Sep–Oct;6(5):267–73 (17 ref.)

COMPUTER-ASSISTED RADIOTHERAPY PLANNING see **RADIOTHERAPY PLANNING, COMPUTER-ASSISTED**

COMPUTER-ASSISTED THERAPY see **THERAPY, COMPUTER-ASSISTED**

COMPUTER COMMUNICATION NETWORKS

Artificial neural networks and their use in quantitative pathology. Dytch HE, et al. **Anal Quant Cytol Histol** 1990 Dec;12(6):379–93 (28 ref.)

Information networks and their impact upon medicine. Rosenthal LE. **Ann Acad Med Singapore** 1990 Sep; 19(5):621–6 (10 ref.)

Literature review: picture archiving and communication system. Schmiedl UP, et al. **J Digit Imaging** 1990 Nov; 3(4):238–45 (266 ref.)

Literature review: Picture Archiving and Communication Systems. Schmiedl UP, et al. **J Digit Imaging** 1990 Aug; 3(3):178–94 (0 ref.)

MULTI: a shared memory approach to cooperative molecular modeling. Darden T, et al. **J Mol Graph** 1991 Mar;9(1):18–23, 35 (11 ref.)

[Cognitive processes and neuronal networks] Ohayon M. **Ann Med Psychol (Paris)** 1990 Oct;148(8):669–95 (48 ref.) (Eng. Abstr.) **(Fre)**

COMPUTER DATA PROCESSING see **AUTOMATIC DATA PROCESSING**

COMPUTER GRAPHICS

CAD/CAM for dental restorations--some of the curious challenges. Rekow ED, et al. **IEEE Trans Biomed Eng** 1991 Apr;38(4):314–8 (7 ref.)

Applications of interactive computer graphics in analyses of biomolecular structures. Barlow DJ, et al. **Nat Prod Rep** 1990 Aug;7(4):311–26 (210 ref.)

Scientific visualization: practices and promises. Greenwade LE. **Nature** 1991 Sep 12;353(6340):191–2 (10 ref.)

INSTRUMENTATION

A primer of ophthalmic computer graphics. Frisén L, et al. **Doc Ophthalmol** 1990 Apr–Jul;74(4):337–50 (21 ref.)

COMPUTER HARDWARE see **COMPUTERS**

COMPUTER MODELS see **COMPUTER SIMULATION**

COMPUTER NETWORK MANAGEMENT see **COMPUTER COMMUNICATION NETWORKS**

COMPUTER PERIPHERALS

Principles of interfacing computers to medical equipment. Francis JL, et al. **Baillieres Clin Obstet Gynaecol** 1990 Dec; 4(4):787–95 (0 ref.)

COMPUTER PROGRAMS see **SOFTWARE**

COMPUTER REASONING see **ARTIFICIAL INTELLIGENCE**

COMPUTER SIMULATION

see related
MODELS, THEORETICAL

The multi-level compartmentation of the simulation models of the counter–current heat exchange (CCHE) mechanism of the testis. Tritto G. **Adv Exp Med Biol** 1991;286:137–51 (16 ref.)

Computer model for mechanisms underlying ultradian oscillations of insulin and glucose. Sturis J, et al. **Am J Physiol** 1991 May;260(5 Pt 1):E801–9 (38 ref.)

Principles and applications of Computer–Aided Design and Computer–Aided Manufacturing (CAD/CAM) technology in orthopaedics. Goh JC, et al. **Ann Acad Med Singapore** 1990 Sep;19(5):706–13 (25 ref.)

Pharmacokinetic–pharmacogenetic modelling in the detection of polymorphisms in xenobiotic metabolism. Jackson PR, et al. **Ann Occup Hyg** 1990 Dec;34(6):653–62 (13 ref.)

A three–dimensional model to analyze drug–drug interactions [published erratum appears in Antiviral Res 1991 Feb;15(2):following 168] Prichard MN, et al. **Antiviral Res** 1990 Oct–Nov;14(4–5):181–205 (63 ref.)

Computer–aided conformational analysis based on NOESY signal intensities. Andersen NH, et al. **Basic Life Sci** 1990; 56:95–134 (34 ref.)

A first course in computer–aided physiological modeling. Rideout VC. **Biomed Sci Instrum** 1991;27:89–91 (17 ref.)

Echocardiographic Doppler evaluation of left ventricular diastolic function. Physics and physiology. Thomas JD, et al. **Circulation** 1991 Sep;84(3):977–90 (89 ref.)

Neural network simulations of the nervous system. van Leeuwen JL. **Eur J Morphol** 1990;28(2–4):139–47 (28 ref.)

Genetic activity profiles--application in assessing potential carcinogenicity of complex environmental mixtures. Waters MD, et al. **IARC Sci Publ** 1990;(104):75–88 (23 ref.)

A fast image simulation technique for high resolution electron microscopy with multicomponent atomic species. Krakow W. **J Electron Microsc Tech** 1991 Jul;18(3):277–90 (24 ref.)

Structure and function of channels and channelogs as studied by computational chemistry. Eisenman G, et al. **J Membr Biol** 1991 Jan;119(2):109–32 (102 ref.)

Molecular simulation and drug design. Lybrand TP. **J Pharm Belg** 1991 Jan–Feb;46(1):49–54 (28 ref.)

Computer–assisted series design in chemical synthesis of bioactive compounds. Mager PP. **Med Res Rev** 1991 Jul; 11(4):375–402 (17 ref.)

Molecular graphics applied to 5–HT3 ligands. Peroutka SJ. **Neuropeptides** 1991 Jul;19 Suppl:21–3 (5 ref.)

Computer vision. Aloimonos Y, et al. **Science** 1991 Sep 13; 253(5025):1249–54 (46 ref.)

[Computer simulation of anesthesia and anesthesia–related incidents] Friesdorf W, et al. **Klin Anasthesiol Intensivther** 1990;38:314–27 (21 ref.) **(Ger)**

COMPUTER SOFTWARE see **SOFTWARE**

COMPUTER SYSTEMS

Choosing a computer system. Chard T. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):711–21 (1 ref.)

Design of a clinical laboratory computer system. Blume P. **Clin Lab Med** 1991 Mar;11(1):83–104 (9 ref.)

Using the laboratory information system to achieve strategic advantage over the competitors of hospital–based clinical laboratories. Friedman BA, et al. **Clin Lab Med** 1991 Mar; 11(1):187–202 (13 ref.)

Acquiring a laboratory computer system. Understanding the issues. Lincoln TL, et al. **Clin Lab Med** 1991 Mar;11(1):1–20 (33 ref.)

Acquiring a laboratory computer system. Vendor selection and contracting. Lincoln TL, et al. **Clin Lab Med** 1991 Mar;11(1):21–40 (15 ref.)

Providing integrated information resources to physicians' offices. Shultz EK. **Clin Lab Med** 1991 Mar;11(1):239–49 (28 ref.)

Information workstations in clinical pathology. Spackman KA. **Clin Lab Med** 1991 Mar;11(1):123–34 (9 ref.)

Computer systems for three–dimensional diagnostic imaging: an examination of the state of the art. Stytz MR, et al. **Crit Rev Biomed Eng** 1991;19(1):1–45 (179 ref.)

Methods of three dimensional analysis of patients with asymmetry of the face. Moss JP, et al. **Proc Finn Dent Soc** 1991;87(1):139–49 (18 ref.)

COMPUTER SYSTEMS DEVELOPMENT see **COMPUTER SYSTEMS**

COMPUTER SYSTEMS EVALUATION see **COMPUTER SYSTEMS**

COMPUTER SYSTEMS ORGANIZATION see **COMPUTER SYSTEMS**

COMPUTER TERMINALS

A review of adverse effects on reproduction amongst female computer terminal workers. Ong CN, et al. **Ann Acad Med Singapore** 1990 Sep;19(5):649–55 (52 ref.)

Ergonomic aspects of the health and safety of VDT work in Japan: a review. Nishiyama K. **Ergonomics** 1990 Jun; 33(6):659–85 (105 ref.)

VDTs: field levels, epidemiology, and laboratory studies. Kavet R, et al. **Health Phys** 1991 Jul;61(1):47–57 (55 ref.)

VDT exposure and pregnant workers. **J Occup Med** 1991 Jun;33(6):675–6 (14 ref.)

[Asthenopia and monitor characteristics] Rechichi C, et al. **J Fr Ophtalmol** 1990;13(8–9):456–60 (11 ref.) (Eng. Abstr.) **(Fre)**

[Effects of computer technology and work conditions on health status of workers (review)] Romanaovskii KM, et al. **Gig Sanit** 1991 Apr;(4):35–8 (30 ref.) **(Rus)**

COMPUTER VISION SYSTEMS see **ARTIFICIAL INTELLIGENCE**

COMPUTERIZED EMISSION TOMOGRAPHY see **TOMOGRAPHY, EMISSION-COMPUTED**

COMPUTERIZED MEDICAL RECORDS SYSTEMS see **MEDICAL RECORDS SYSTEMS, COMPUTERIZED**

COMPUTERIZED TOMOGRAPHY, X-RAY see **TOMOGRAPHY, X-RAY COMPUTED**

COMPUTERS

see related
ATTITUDE TO COMPUTERS

Principles of interfacing computers to medical equipment. Francis JL, et al. **Baillieres Clin Obstet Gynaecol** 1990 Dec; 4(4):787–95 (0 ref.)

Audit. Lilford RJ. **Baillieres Clin Obstet Gynaecol** 1990 Dec; 4(4):905–9 (2 ref.)

The technical aspects of computers. Richards B. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):655–80 (12 ref.)

Eight–parameter PC–AT based flow cytometric data system. Kachel V, et al. **Cytometry** 1990;11(7):805–12 (6 ref.)

Manual and computerized cancer registries. Skeet RG. **IARC Sci Publ** 1991;(95):82–100 (0 ref.)

Writing easily read patient education handouts: a computerized approach. Baker GC. **Semin Dermatol** 1991 Jun;10(2):102–6 (19 ref.)

Instrumentation and computers for brain single photon emission computed tomography. Croft BY. **Semin Nucl Med** 1990 Oct;20(4):281–9 (18 ref.)

[Computerization in mental health--is it possible?] Kimhi R, et al. **Harefuah** 1990 Nov 15;119(10):319–22 (48 ref.) **(Heb)**

[Effects of computer technology and work conditions on health status of workers (review)] Romanaovskii KM, et al. **Gig Sanit** 1991 Apr;(4):35–8 (30 ref.) **(Rus)**

COMPUTERS, DIGITAL see **COMPUTERS**

CONALBUMIN

CHEMISTRY

Crystallization of and preliminary crystallographic data for the N–terminal half–molecule of ovotransferrin. Mikami B, et al. **J Biochem (Tokyo)** 1990 Dec;108(6):907–8 (12 ref.)

CONCENTRATION see **ATTENTION**

CONCENTRATION CAMPS

Trauma and nostalgia: new aspects on the coping of aging Holocaust survivors. Hertz DG. **Isr J Psychiatry Relat Sci** 1990;27(4):189–98 (26 ref.)

CONCEPT FORMATION

Perspectives on relational learning in mental retardation. Green G, et al. **Am J Ment Retard** 1990 Nov;95(3):249–59 (55 ref.)

Attentional functioning and relational learning. Soraci SA Jr, et al. **Am J Ment Retard** 1990 Nov;95(3):304–15 (42 ref.)

On deriving the properties of agrammatic comprehension. Frazier L, et al. **Brain Lang** 1991 Jan;40(1):51–66 (39 ref.)

Power: a concept analysis. Hawks JH. **J Adv Nurs** 1991 Jun; 16(6):754–62 (61 ref.)

Cognitive–perceptual theory and the projective use of autobiographical memory. Bruhn AR. **J Pers Assess** 1990 Fall;55(1–2):95–114 (16 ref.)

The case for motivated reasoning. Kunda Z. **Psychol Bull** 1990 Nov;108(3):480–98 (100 ref.)

Perspectival appearing and Gibson's theory of visual perception. Natsoulas T. **Psychol Res** 1990;52(4):291–8 (26 ref.)

Direct parameter specification and the concept of perception. Neumann O. **Psychol Res** 1990;52(2–3):207–15 (52 ref.)

PHYSIOLOGY

[The formation of "preverbal" concepts in anthropoids] Khaĭkin AV. **Zh Evol Biokhim Fiziol** 1990 Nov–Dec; 26(6):837–40 (13 ref.) **(Rus)**

CONCEPTION

CONCEPTION see **FERTILIZATION**

CONCHAE NASALES see **TURBINATES**

CONCURRENT STUDIES see **COHORT STUDIES**

CONDITIONING (PSYCHOLOGY)

Association brain systems as apparatus of behavior control involving dominanta and conditioning. Batuev AS. **Int J Neurosci** 1990 Oct;54(3–4):183–90 (45 ref.)

PHYSIOLOGY

Cardiovascular responses as behavior. Engel BT, et al. **Circulation** 1991 Apr;83(4 Suppl):II9–13 (22 ref.)

Individual differences in autonomic learning: a quarter century of reflection. Ax AF. **Int J Psychophysiol** 1990 Nov;10(1):1–9 (32 ref.)

CONDITIONING, CLASSICAL

Conditioning processes and cue exposure in the modification of excessive eating. Wardle J. **Addict Behav** 1990; 15(4):387–93 (36 ref.)

Human classical conditioning. The status of the CS. Levey AB, et al. **Integr Physiol Behav Sci** 1991 Jan–Mar; 26(1):26–31 (9 ref.)

The orienting response: stimulus factors and response measures. Barry RJ. **Pavlov J Biol Sci** 1990 Jul–Sep; 25(3):93–9; discussion 99–103 (12 ref.)

Orienting reaction, organizing for action, and emotional processes. Latash LP. **Pavlov J Biol Sci** 1990 Jul–Sep; 25(3):123–9; discussion 129–31 (27 ref.)

The OR and significance. Maltzman I. **Pavlov J Biol Sci** 1990 Jul–Sep;25(3):111–20; discussion 120–2 (38 ref.)

The orienting response, and future directions of its development. Sokolov EN. **Pavlov J Biol Sci** 1990 Jul–Sep; 25(3):142–50 (13 ref.)

Applied orienting response research: some examples. Tremayne P, et al. **Pavlov J Biol Sci** 1990 Jul–Sep; 25(3):132–9; discussion 139–41 (13 ref.)

Role of the prefrontal–-thalamic axis in classical conditioning. Powell DA, et al. **Prog Brain Res** 1990; 85:433–65; discussion 465–6 (88 ref.)

Classical (Pavlovian) conditioning models of age-related changes in associative learning and their neurobiological substrates. Powell DA, et al. **Prog Neurobiol** 1991; 36(3):201–28 (173 ref.)

Conditioned opponent processes in the development of tolerance to psychoactive drugs. Goudie AJ. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(5):675–88 (36 ref.)

DRUG EFFECTS

Inter-relationships between conditioned and primary reinforcement in the maintenance of cigarette smoking. Rose JE, et al. **Br J Addict** 1991 May;86(5):605–9 (38 ref.)

Conditioning as a critical determinant of sensitization induced by psychomotor stimulants. Pert A, et al. **NIDA Res Monogr** 1990;97:208–41 (135 ref.)

PHYSIOLOGY

Learning processes in the human newborn. Sensitization, habituation, and classical conditioning. Lipsitt LP. **Ann N Y Acad Sci** 1990;608:113–23; discussion 123–7 (32 ref.)

Neurobiological substrates of classical conditioning across the life span. Woodruff-Pak DS, et al. **Ann N Y Acad Sci** 1990;608:150–73; discussion 174–8 (104 ref.)

Cerebellum and classical conditioning of motor responses. Yeo CH. **Ann N Y Acad Sci** 1991;627:292–304 (39 ref.)

Some recalcitrant views on the role of noncognitive S–R factors in human Pavlovian autonomic conditioning. Some facts still haunt us. Furedy JJ. **Integr Physiol Behav Sci** 1991 Jan–Mar;26(1):21–5 (17 ref.)

"Reflexes of purpose and freedom" in the comparative physiology of higher nervous activity. Simonov PV. **Neurosci Behav Physiol** 1990 May–Jun;20(3):230–5 (19 ref.)

Pharmacological and anatomical analysis of fear conditioning. Davis M. **NIDA Res Monogr** 1990;97:126–62 (120 ref.)

Pavlovian theory of dreaming. Cautela JR, et al. **Pavlov J Biol Sci** 1974 Apr–Jun;9(2):104–21 (75 ref.)

Neural substrates of latent inhibition: the switching model. Weiner I. **Psychol Bull** 1990 Nov;108(3):442–61 (250 ref.)

[The development of theories of avoidance learning and its application to behavioral pharmacology] Iso H. **Yakubutsu Seishin Kodo** 1990 Nov;10(4):381–92 (45 ref.) (Eng. Abstr.) **(Jpn)**

[The interaction of the signal, motivational and executive components of a conditioned reflex] Grigor'ian GA. **Zh Vyssh Nerv Deiat** 1990 Jul–Aug;40(4):629–42 (69 ref.) **(Rus)**

[The system of synaptic influences on the neocortical neurons in the conditioned reflex] Storozhuk VM. **Zh Vyssh Nerv Deiat** 1990 Sep–Oct;40(5):819–33 (59 ref.) **(Rus)**

CONDITIONING, EYELID

PHYSIOLOGY

Do temporal relationships in conditioning change across the life span? Perspectives from eyeblink conditioning in humans and rabbits. Solomon PR, et al. **J Behav Ther Exp Psychiatry** 1990 Jun;21(2):83–90 (29 ref.)

The communicative function hypothesis: an operant behavior perspective. Cipani E. **J Behav Ther Exp Psychiatry** 1990 Dec;21(4):239–47 (26 ref.)

DRUG EFFECTS

The pigeon as a model for comparative behavioral pharmacology and toxicology. McMillan DE. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):523–9 (43 ref.)

Operant behavior as a technique for toxicity testing. Wenger GR. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):515–21 (13 ref.)

Use of complex behavioral baselines to monitor residual drug effects in animals. Paule MG. **NIDA Res Monogr** 1990; 101:57–70 (16 ref.)

PHYSIOLOGY

Span of integration for delayed-reward contingency learning in 6- to 8-month-old infants. Millar WS. **Ann N Y Acad Sci** 1990;608:239–59; discussion 259–66 (73 ref.)

Operantly conditioned plasticity in spinal cord. Wolpaw JR, et al. **Ann N Y Acad Sci** 1991;627:338–48 (40 ref.)

CONDITIONING THERAPY see **BEHAVIOR THERAPY**

CONDOMS see **CONTRACEPTIVE DEVICES, MALE**

CONDUCT DISORDERS, CHILD see **CHILD BEHAVIOR DISORDERS**

CONDUCTION BLOCKING ANESTHETICS see **ANESTHETICS, LOCAL**

CONDYLOMATA ACUMINATA

Sexually transmitted diseases: cutaneous lesions. Stein BS. **Semin Urol** 1991 Feb;9(1):2–8 (18 ref.)

[Urethral condylomata acuminata: management and review of the literature (published erratum appears in Arch Esp Urol 1990;43 Suppl 2:243)] Ruiz Rubio JL, et al. **Arch Esp Urol** 1990 Nov–Dec;43(9):955–9 (40 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

[The management of pregnant women presenting with genital HPV infections] Audra P. **Rev Fr Gynecol Obstet** 1990 Oct;85(10):561–3 (9 ref.) (Eng. Abstr.) **(Fre)**

[Extremely low risk of invasive cervix cancer caused by genital papillomavirus infection] Bistoletti P, et al. **Lakartidningen** 1990 Dec 19;87(51–52):4434–5 (13 ref.) **(Swe)**

DRUG THERAPY

Vaginal adenosis and clear cell carcinoma after 5-fluorouracil treatment for condylomas. Goodman A, et al. **Cancer** 1991 Oct 1;68(7):1628–32 (53 ref.)

Podophyllin therapy for condyloma acuminatum. Marcus J, et al. **Int J Dermatol** 1990 Dec;29(10):693–8 (69 ref.)

EPIDEMIOLOGY

Identification of people at high risk of genital HPV infections. Oriel JD. **Scand J Infect Dis Suppl** 1990;69:169–72 (30 ref.)

Epidemiology of human papilloma virus infections and genital neoplasia. Syrjänen K, et al. **Scand J Infect Dis Suppl** 1990;69:7–17 (54 ref.)

[Anogenital warts in children] Herrera Saval A, et al. **Ann Dermatol Venereol** 1990;117(8):523–6 (24 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

[Genital infections caused by human papilloma virus. I. Biology and detection methods] Ojeda JM, et al. **Rev Chil Obstet Ginecol** 1990;55(1):17–23 (38 ref.) **(Spa)**

MICROBIOLOGY

[Vulvar lesions caused by Papillomavirus (HPV): effectiveness of thymopentin (Syntomoduline). First results and experiences] Di Stefano L, et al. **Minerva Ginecol** 1991 Jan–Feb;43(1–2):53–6 (10 ref.) (Eng. Abstr.) **(Ita)**

[Cellular dyskeratosis as predictive factor in condylomatosis histologically confirmed by biopsy] Ventura G, et al. **Minerva Ginecol** 1990 Dec;42(12):503–6 (15 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

Pathobiology of papillomavirus-related cervical diseases: prospects for immunodiagnosis. Crum CP, et al. **Clin Microbiol Rev** 1991 Jul;4(3):270–85 (129 ref.)

Intravesical condyloma acuminatum with progression to verrucous carcinoma. Batta AG, et al. **Urology** 1990 Nov; 36(5):457–64 (30 ref.)

[Multiple condylomata of the urethra and bladder disclosing HIV infection] Asvesti C, et al. **Ann Urol (Paris)** 1991; 25(3):146–9 (23 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Interferon and condylomata acuminata. Lebwohl M, et al. **Int J Dermatol** 1990 Dec;29(10):699–705 (57 ref.)

Preventing cervical cancer by treating genital warts in men. Why male sex partners need androscopy. Epperson WJ. **Postgrad Med** 1990 Oct;88(5):229–36 (15 ref.)

[Treatment of genital Papillomavirus lesions] Barrasso R, et al. **Presse Med** 1991 Jun 29;20(25):1171–5 (41 ref.) (Eng. Abstr.) **(Fre)**

[Condylomata acuminata during pregnancy] Orvieto R, et al. **Harefuah** 1990 Dec 2;119(11):399–403 (20 ref.) **(Heb)**

[Treatment of condyloma acuminata using human lymphoblastoid interferon] Kinukawa T, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1295–300 (17 ref.) (Eng. Abstr.) **(Jpn)**

CONFIDENCE INTERVALS

Estimation issues in clinical trials and overviews. Pocock SJ, et al. **Stat Med** 1990 Jun;9(6):657–71 (46 ref.)

CONFIDENTIALITY

Cancer registration: legal aspects and confidentiality. Muir CS, et al. **IARC Sci Publ** 1991;(95):199–207 (0 ref.)

Confidentiality for whom? Robinson I. **Soc Sci Med** 1991; 32(3):279–86 (47 ref.)

LEGISLATION & JURISPRUDENCE

Confidentiality of genetic information in the workplace. Andrews LB, et al. **Am J Law Med** 1991;17(1–2):75–108 (213 ref.)

Medical privacy issues in the age of AIDS: legislative options. Edgar H, et al. **Am J Law Med** 1990;16(1–2):155–222 (324 ref.)

Post-Tarasoff legal developments and the mental health literature. Kaufman M. **Bull Menninger Clin** 1991 Summer; 55(3):308–22 (46 ref.)

Consent and confidentiality in adolescent health care. Greydanus DE, et al. **Pediatr Ann** 1991 Feb;20(2):80–4 (14 ref.)

CONFLICT OF INTEREST

Industry reimbursement for entering patients into clinical trials: legal and ethical issues. Shimm DS, et al. **Ann Intern Med** 1991 Jul 15;115(2):148–51 (27 ref.)

NHLBI clinical trials and conflicts of interest. Buchwald H. **Controlled Clin Trials** 1990 Aug;11(4):217–22 (16 ref.)

CONFLICT (PSYCHOLOGY)

Gender identity conflicts in adolescents as motivation for suicide. Cohen Y. **Adolescence** 1991 Spring;26(101):19–29 (10 ref.)

Role conflict in student nurses: towards a positive approach for the 1990s. Shead H. **J Adv Nurs** 1991 Jun;16(6):736–40 (31 ref.)

Animal conflict, analgesia and the modulatory effects of FMRFamide-related peptides. Kavaliers M. **NIDA Res Monogr** 1991;105:250–6 (21 ref.)

Behavioral assessment and treatment of parent–adolescent conflict. Robin AL, et al. **Prog Behav Modif** 1990; 25:178–215 (105 ref.)

Marital conflict and children's adjustment: a cognitive-contextual framework. Grych JH, et al. **Psychol Bull** 1990 Sep;108(2):267–90 (150 ref.)

CONFORMITY, SOCIAL see **SOCIAL CONFORMITY**

CONFUSION

CHEMICALLY INDUCED

[Recurrent psychiatric manifestations during malaria prevention with mefloquine. A case report] Rodor F, et al. **Therapie** 1990 Sep–Oct;45(5):433–4 (6 ref.) (Eng. Abstr.) **(Fre)**

NURSING

Confusion. Rasin JH. **Nurs Clin North Am** 1990 Dec; 25(4):909–18 (64 ref.)

CONGENITAL DEFECTS see **ABNORMALITIES**

CONGENITAL ICHTHYOSIFORM ERYTHRODERMA see **ICHTHYOSIFORM ERYTHRODERMA, CONGENITAL**

CONGESTIVE CARDIOMYOPATHY see

CARDIOMYOPATHY, CONGESTIVE

CONJUGATION, GENETIC

Conjugational recombination in E. coli: myths and mechanisms. Smith GR. **Cell** 1991 Jan 11;64(1):19–27 (63 ref.)
Genetics of gene transfer between species. Heinemann JA. **Trends Genet** 1991 Jun;7(6):181–5 (32 ref.)
[Conjugation in streptococci] Ravdonikas LE, et al. **Mol Gen Mikrobiol Virusol** 1990 Oct;(10):8–15 (76 ref.) (Eng. Abstr.) **(Rus)**

CONJUNCTIVA

BLOOD SUPPLY

[Conjunctival biomicroscopy in clinical practice] Iaroshenko VT, et al. **Vrach Delo** 1991 Apr;(4):16–21 (57 ref.) **(Rus)**

METABOLISM

Review: systemic absorption of topically applied ocular drugs in humans. Salminen L. **J Ocul Pharmacol** 1990 Fall; 6(3):243–9 (28 ref.)

PATHOLOGY

Limbal transplantation for ocular surface reconstruction—a review. Tseng SC, et al. **Fortschr Ophthalmol** 1991; 88(3):236–42 (29 ref.)

CONJUNCTIVAL NEOPLASMS

PATHOLOGY

Primary acquired melanosis of the conjunctiva is melanoma in situ. Ackerman AB, et al. **Mod Pathol** 1991 Mar; 4(2):253–63 (25 ref.)
[MALT conjunctival lymphoma: how to treat?] Bron A, et al. **Bull Soc Ophtalmol Fr** 1990 Jun–Jul;90(6–7):589–92 (13 ref.) (Eng. Abstr.) **(Fre)**

RADIOTHERAPY

Epidemic Kaposi's sarcoma of the conjunctiva: considerations for radiotherapy. Glynne-Jones R, et al. **Clin Oncol (R Coll Radiol)** 1990 Nov;2(6):358–61 (26 ref.)

CONJUNCTIVITIS

[Conjunctivitis and keratitis] Bazin R, et al. **Union Med Can** 1991 Mar–Apr;120(2):77–85 (5 ref.) **(Fre)**

DIAGNOSIS

Conjunctivitis. Hirst LW. **Aust Fam Physician** 1991 Jun; 20(6):797, 800, 802–4 (0 ref.)
The red eye, its diagnosis and management. Bhattacharyya SN. **J Indian Med Assoc** 1991 Feb;89(2):49–51 (0 ref.)

CONJUNCTIVITIS, ACUTE HEMORRHAGIC

EPIDEMIOLOGY

[Advances in acute hemorrhagic conjunctivitis] Hu XM, et al. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1990 Dec; 11(6):372–4 (22 ref.) **(Chi)**

CONJUNCTIVITIS, ALLERGIC

DIAGNOSIS

[Recent progress in the treatment and diagnosis of allergic conjunctivitis] Yuasa T. **Arerugi** 1990 Oct;39(10):1369–73 (10 ref.) **(Jpn)**

DRUG THERAPY

Levocabastine. A review of its pharmacological properties and therapeutic potential as a topical antihistamine in allergic rhinitis and conjunctivitis. Dechant KL, et al. **Drugs** 1991 Feb;41(2):202–24 (26 ref.)

ETIOLOGY

[Type IV allergy to components of ophthalmologic drugs] Riedl B, et al. **Klin Monatsbl Augenheilkd** 1991 Apr; 198(4):251–4 (40 ref.) (Eng. Abstr.) **(Ger)**

CONJUNCTIVITIS, ATOPIC see **CONJUNCTIVITIS, ALLERGIC**

CONJUNCTIVITIS, BACTERIAL

Primary meningococcal conjunctivitis: report of 21 patients and review. Barquet N, et al. **Rev Infect Dis** 1990 Sep–Oct; 12(5):838–47 (68 ref.)
[Oculogenital infections caused by Chlamydia trachomatis] Paroli E, et al. **Recenti Prog Med** 1990 Jul–Aug; 81(7–8):539–48 (41 ref.) (Eng. Abstr.) **(Ita)**

CONJUNCTIVITIS, GIANT PAPILLARY see **CONJUNCTIVITIS, ALLERGIC**

CONJUNCTIVITIS, MUCOPURULENT see **CONJUNCTIVITIS, BACTERIAL**

CONJUNCTIVITIS, PURULENT see **CONJUNCTIVITIS, BACTERIAL**

CONJUNCTIVITIS, VERNAL see **CONJUNCTIVITIS, ALLERGIC**

CONNECTING PEPTIDE see **C-PEPTIDE**

CONNECTIVE TISSUE

see related
COLLAGEN

CHEMISTRY

Circulating extracellular matrix components as markers for connective tissue response to inflammation. A clinical and experimental study with special emphasis on serum aminoterminal type III procollagen peptide in rheumatic diseases. Hørslev-Petersen K. **Dan Med Bull** 1990 Aug; 37(4):308–29 (248 ref.)
Biochemistry and turnover of lung interstitium. Davidson JM. **Eur Respir J** 1990 Oct;3(9):1048–63 (227 ref.)

CYTOLOGY

Cytokeratins in mesenchymal cells: impact on functional concepts of the diversity of intermediate filament proteins. Markl J. **J Cell Sci** 1991 Mar;98 (Pt 3):261–4 (40 ref.)

DRUG EFFECTS

Effects of antihypertensive drug classes on regression of connective tissue components of hypertension. Keeley FW, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S64–9 (40 ref.)

EMBRYOLOGY

Traction and the formation of mesenchymal condensations in vivo. Bard JB. **Bioessays** 1990 Aug;12(8):389–95 (34 ref.)

ENZYMOLOGY

Role and regulation of metalloproteinases in connective tissue turnover. Murphy G, et al. **Biochem Soc Trans** 1990 Oct; 18(5):812–5 (24 ref.)

GROWTH & DEVELOPMENT

Matrix metalloproteinases and their inhibitors in connective tissue remodeling. Woessner JF Jr. **FASEB J** 1991 May; 5(8):2145–54 (78 ref.)

IMMUNOLOGY

[Fibronectin and immune complexes in rheumatic diseases] Mazepa MA. **Vestn Akad Med Nauk SSSR** 1991;(4):57–61 (46 ref.) (Eng. Abstr.) **(Rus)**

METABOLISM

Connective tissue metabolism including cytokines. Amento EP. **Curr Opin Rheumatol** 1989 Dec;1(4):485–9 (9 ref.)
Connective tissue metabolism including cytokines. Unemori EN, et al. **Curr Opin Rheumatol** 1990 Dec;2(6):932–6 (6 ref.)
Clinical chemical methods for assessing connective tissue metabolism. Risteli J. **Scand J Clin Lab Invest Suppl** 1990; 202:139–42 (10 ref.)
Receptor-mediated endocytosis of connective tissue macromolecules in liver endothelial cells. Smedsrød B. **Scand J Clin Lab Invest Suppl** 1990;202:148–51 (16 ref.)
[In vitro studies of the effect of growth factors on the connective tissue] Węglarz L, et al. **Postepy Hig Med Dosw** 1989;43(2–4):255–74 (129 ref.) (Eng. Abstr.) **(Pol)**
["Silicon—metabolic aspects of its effect on human body"] Najda J, et al. **Przegl Lek** 1990;47(11):756–9 (21 ref.) **(Pol)**

PATHOLOGY

[Clinical significance of serum concentration of connective tissue components in cases of organic fibroses] Kropf J, et al. **Z Med Lab Diagn** 1991;32(3–4):150–8 (13 ref.) **(Ger)**

PHYSIOLOGY

Stromal–epithelial interactions in normal and neoplastic mammary gland. Haslam SZ. **Cancer Treat Res** 1991; 53:401–20 (81 ref.)
Models of wound healing. Cohen IK, et al. **J Trauma** 1990 Dec;30(12 Suppl):S149–55 (40 ref.)
[Proteoglycans: their structure and function in the connective tissue] Skop B, et al. **Postepy Hig Med Dosw** 1989; 43(2–4):329–47 (85 ref.) (Eng. Abstr.) **(Pol)**
[The role of the myoblasts and connective tissue in the regeneration of the limbs in amphibians] Hinterberger TJ, et al. **Ontogenez** 1990 Jul–Aug;21(4):341–57 (88 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[The effect of the systemic function of connective tissue cells on the pathogenesis of chronic hepatitis (a review of the literature)] Malaia LT, et al. **Vrach Delo** 1991 Jan;(1):3–10 (77 ref.) **(Rus)**

ULTRASTRUCTURE

Ultrastructural investigations of the bone and fibrous connective tissue interface with endosteal dental implants. Steflik DE, et al. **Scanning Microsc** 1990 Dec;4(4):1039–47; discussion on 1047–8 (22 ref.)

CONNECTIVE TISSUE DISEASE, MIXED see **MIXED CONNECTIVE TISSUE DISEASE**

CONNECTIVE TISSUE DISEASES

see related
BONE DISEASES, DEVELOPMENTAL

Noonan-like/multiple giant cell lesion syndrome. Cohen MM Jr, et al. **Am J Med Genet** 1991 Aug 1;40(2):159–66 (49 ref.)
Systemic lupus erythematosus and other connective tissue diseases in pregnancy. Gimovsky ML, et al. **Clin Obstet Gynecol** 1991 Mar;34(1):35–50 (63 ref.)
Other fibrosing syndromes. Jimenez SA. **Curr Opin Rheumatol** 1989 Dec;1(4):516–22 (34 ref.)
Overlap syndromes, mixed connective tissue disease, and eosinophilic fasciitis. Maddison PJ. **Curr Opin Rheumatol** 1989 Dec;1(4):523–8 (10 ref.)

CHEMICALLY INDUCED

[Silica, silicones and connectivitis. 20 cases] Koeger AC, et al. **Rev Rhum Mal Osteoartic** 1991 Feb;58(2):113–20 (39 ref.) **(Fre)**

COMPLICATIONS

Cutaneous manifestations of collagen vascular disease in pregnancy. Horowitz GM, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):759–76 (62 ref.)
Klinefelter's syndrome associated with progressive systemic sclerosis: report of a case and review of the literature. Kobayashi S, et al. **Clin Rheumatol** 1991 Mar;10(1):84–6 (16 ref.)
Human immunodeficiency virus-related connective tissue diseases: a Zimbabwean perspective. Davis P, et al. **Rheum Dis Clin North Am** 1991 Feb;17(1):89–97 (22 ref.)
[Pulmonary arterial hypertension and systemic diseases] Chérin P, et al. **Rev Rhum Mal Osteoartic** 1991 May; 58(5):387–94 (57 ref.) (Eng. Abstr.) **(Fre)**
[The heart in various connective tissue diseases] Badui-Dergal E. **Gac Med Mex** 1990 May–Jun; 126(3):175–87; discussion 188–9 (71 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Blood tests in the diagnosis of connective tissue diseases. Handwerger BS. **Md Med J** 1991 Feb;40(2):97–105 (34 ref.)
When to suspect connective tissue disease. Hudson NP. **Postgrad Med** 1991 Mar;89(4):253–4, 257–8, 260 (9 ref.)

DRUG THERAPY

Use of angiotensin-converting-enzyme inhibitors in the management of renal disease. Asher JP, et al. **Clin Pharm** 1991 Jan;10(1):25–31 (36 ref.)
Treatment of bacterial skin and soft tissue infections. File TM Jr, et al. **Surg Gynecol Obstet** 1991;172 Suppl:17–24 (45 ref.)
[Treatment of systemic diseases with pulse cyclophosphamide: 15 cases] Amoura Z, et al. **Ann Med Interne (Paris)** 1990;141(5):416–20 (24 ref.) (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Metalloproteinases and tissue damage. Murphy G, et al. **Br J Rheumatol** 1991;30 Suppl 1:25–31 (45 ref.)

ETIOLOGY

The role of vascular endothelium in the pathogenesis of connective tissue disease: endothelial injury, activation, participation and response. Kahaleh MB. **Clin Exp Rheumatol** 1990 Nov–Dec;8(6):595–601 (44 ref.)
Infection as a trigger to connective tissue disease. Goldenberg DL. **Curr Opin Rheumatol** 1990 Aug;2(4):648–51 (21 ref.)
Is silicone associated with connective tissue disease? Seleznick MJ, et al. **J Fla Med Assoc** 1991 Feb;78(2):85–7 (31 ref.)
The Weill-Marchesani syndrome: report of two cases and a review. Haik GM Sr, et al. **J La State Med Soc** 1990 Dec;142(12):25–8, 30–2 (24 ref.)

GENETICS

The new genetics and its relevance to orthopedics. Hall JG. **Clin Orthop** 1991 Mar;(264):10–5 (8 ref.)

PATHOLOGY

'Overlap' syndromes. Cervera R, et al. **Ann Rheum Dis** 1990 Nov;49(11):947–8 (38 ref.)

CONNECTIVE TISSUE DISEASES

Overlap syndromes and mixed connective tissue disease. Maddison PJ. **Curr Opin Rheumatol** 1990 Dec;2(6):967–71 (13 ref.)

THERAPY

Mechanisms of action of intravenous immunoglobulin therapy and potential use in autoimmune connective tissue diseases. Ballow M. **Cancer** 1991 Sep 15;68(6 Suppl):1430–6 (42 ref.)

CONN'S DISEASE see **HYPERALDOSTERONISM**

CONRADI-HUNERMANN SYNDROME see **CHONDRODYSPLASIA PUNCTATA**

CONSCIOUSNESS

see related
UNCONSCIOUSNESS

Unpredictability of fighter pilot G tolerance using anthropometric and physiologic variables. Webb JT, et al. **Aviat Space Environ Med** 1991 Feb;62(2):128–35 (27 ref.)

Intra-anesthetic awareness. Eldor J, et al. **Resuscitation** 1991 Apr;21(2–3):113–9 (56 ref.)

The locked-in syndrome and the behaviorist epistemology of other minds. Kurthen M, et al. **Theor Med** 1991 Mar; 12(1):69–79 (30 ref.)

The self and its brain. McClelland RJ. **Ulster Med J** 1990 Oct;59(2):110–8 (17 ref.)

PHYSIOLOGY

Does anesthesia cause loss of consciousness? Kulli J, et al. **Trends Neurosci** 1991 Jan;14(1):6–10 (38 ref.)

[Consciousness functions in psychoses. Concepts, empirism and hypotheses] Hemmingsen R. **Ugeskr Laeger** 1991 Apr 15;153(16):1104–9 (25 ref.) (Eng. Abstr.) **(Dan)**

[Measurement of the level of consciousness and of the depth of anesthesia] Thornton C. **Cah Anesthesiol** 1990; 38(7):457–75 (71 ref.) **(Fre)**

[Conscious and unconscious awareness during anesthesia--how deep is the patient's sleep?] Holmboe J, et al. **Tidsskr Nor Laegeforen** 1990 Nov 10;110(27):3506–8 (14 ref.) (Eng. Abstr.) **(Nor)**

[Consciousness in general anesthesia] Vickers MD. **Anesteziol Reanimatol** 1990 Sep–Oct;(5):3–7 (12 ref.) **(Rus)**

[Consciousness and information selection] Sviderskaia NE. **Zh Vyssh Nerv Deiat** 1990 Nov–Dec;40(6):1089–96 (32 ref.) (Eng. Abstr.) **(Rus)**

CONSCIOUSNESS DISORDERS

DIAGNOSIS

The confused patient. Matheson J. **Med J Aust** 1991 Aug 19;155(4):245–8 (8 ref.)

ETIOLOGY

The TURP syndrome. Jensen V. **Can J Anaesth** 1991 Jan; 38(1):90–6 (39 ref.)

PHYSIOPATHOLOGY

[Disturbances of consciousness and airway reflexes] Nishino T. **Kokyu To Junkan** 1990 Dec;38(12):1176–84 (47 ref.) **(Jpn)**

CONSENSUS DEVELOPMENT CONFERENCES

Words without action? The production, dissemination, and impact of consensus recommendations. Lomas J. **Annu Rev Public Health** 1991;12:41–65 (99 ref.)

CONSENSUS DEVELOPMENT CONFERENCES, NIH

Words without action? The production, dissemination, and impact of consensus recommendations. Lomas J. **Annu Rev Public Health** 1991;12:41–65 (99 ref.)

CONSENSUS SEQUENCE

Consensus sequence for processing of peptide precursors at monobasic sites. Devi L. **FEBS Lett** 1991 Mar 25; 280(2):189–94 (47 ref.)

A survey of the genomic distribution of alpha satellite DNA on all the human chromosomes, and derivation of a new consensus sequence. Choo KH, et al. **Nucleic Acids Res** 1991 Mar 25;19(6):1179–82 (44 ref.)

PHYSIOLOGY

Protein modules. Baron M, et al. **Trends Biochem Sci** 1991 Jan;16(1):13–7 (30 ref.)

CONSENSUS WORKSHOPS see **CONSENSUS DEVELOPMENT CONFERENCES**

CONSERVATION OF NATURAL RESOURCES

see related
ECOLOGY

Mammalian cytogenetics and conservation of species. Benirschke K, et al. **J Hered** 1991 May–Jun;82(3):187–91 (28 ref.)

CONSERVED SEQUENCE see **BASE SEQUENCE**

CONSTIPATION

CLASSIFICATION

[Classification and treatment of severe constipation] van Lanschot JJ, et al. **Ned Tijdschr Geneeskd** 1991 Jun 8; 135(23):1027–32 (36 ref.) **(Dut)**

DIAGNOSIS

Assessment and treatment of obstructed defecation. Kuijpers HC, et al. **Ann Med** 1990 Dec;22(6):405–11 (37 ref.)

Constipation. Murtagh J. **Aust Fam Physician** 1990 Nov; 19(11):1693–7 (3 ref.)

DIET THERAPY

Dietary fiber and bowel function in tube-fed patients. Frankenfield DC, et al. **J Am Diet Assoc** 1991 May; 91(5):590–6, 599 (86 ref.)

ETIOLOGY

[Diseases of the large intestine in the aged. Constipation--diverticulosis--tumors--ischemia] Kasper H. **Fortschr Med** 1990 Nov 30;108(34):647–50 (10 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Chronic idiopathic constipation with outlet obstruction. Vanheuverzwyn R, et al. **Hepatogastroenterology** 1990 Dec; 37(6):585–7 (26 ref.)

Anorectal and pelvic floor disorders: putting physiology into practice. Pemberton JH. **J Gastroenterol Hepatol** 1990;5 Suppl 1:127–43 (116 ref.)

SURGERY

Role of surgical treatment in patients with severe constipation. Kamm MA. **Ann Med** 1990 Dec;22(6):435–42 (52 ref.)

Surgical aspects of severe chronic non-Hirschsprung constipation. Coremans GE. **Hepatogastroenterology** 1990 Dec;37(6):588–95 (60 ref.)

Surgery for constipation: irrational things for desperate people? Penninckx F, et al. **Hepatogastroenterology** 1990 Dec;37(6):580–4 (62 ref.)

Surgical management of severe idiopathic constipation: a review. van der Sijp JR, et al. **Neth J Surg** 1991 Apr; 43(2):29–35 (64 ref.)

Surgical treatment of severe constipation. Christiansen J. **Scand J Gastroenterol** 1991 Mar;26(3):225–30 (47 ref.)

THERAPY

Constipation: pathophysiology and treatment. Donatelle EP. **Am Fam Physician** 1990 Nov;42(5):1335–42 (18 ref.)

[Constipation: towards a rational management] Morera M, et al. **Rev Esp Enferm Dig** 1991 Apr;79(4):265–71 (28 ref.) **(Spa)**

CONSTRICTIVE PERICARDITIS see **PERICARDITIS, CONSTRICTIVE**

CONSTRUCTION MATERIALS

Extrinsic allergic alveolitis caused by esparto (Stipa tenacissima). Gamboa PM, et al. **Allergol Immunopathol (Madr)** 1990 Nov–Dec;18(6):331–4 (20 ref.)

CONSULTANTS

Ethics consultation: skills, roles, and training [see comments] La Puma J, et al. **Ann Intern Med** 1991 Jan 15;114(2):155–60 (79 ref.) Comment in: Ann Intern Med 1991 May 1;114(9):807–8.

Implementation of nutritional consultation within a dairy practice. Gerloff BJ. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):621–8 (3 ref.)

CONSULTATION see **REFERRAL AND CONSULTATION**

CONSUMER ADVOCACY

Assessing information for consumers on the quality of medical care. Sisk JE, et al. **Inquiry** 1990 Fall;27(3):263–72 (34 ref.)

LEGISLATION & JURISPRUDENCE

Family advocacy and the mental health system: the recent rise of the alliance for the mentally ill. Sommer R. **Psychiatr Q** 1990 Fall;61(3):205–21 (46 ref.)

CONSUMER INVOLVEMENT see **CONSUMER PARTICIPATION**

CONSUMER PARTICIPATION

ECONOMICS

The marketing of empowerment and the construction of the health consumer: a critique of health promotion. Grace VM. **Int J Health Serv** 1991;21(2):329–43 (49 ref.)

Ensuring value by supporting consumer decision making. Gardner HH, et al. **J Occup Med** 1990 Dec;32(12):1223–6 (24 ref.)

CONSUMER PRICE INDEX see **ECONOMICS**

CONSUMER PRODUCT SAFETY

Cigarette classification as a consumer message. Gori GB. **Regul Toxicol Pharmacol** 1990 Dec;12(3 Pt 1):253–62 (37 ref.)

Exposure assessment of consumer products: human body weights and total body surface areas to use, and sources of data for specific products. Hakkinen PJ, et al. **Vet Hum Toxicol** 1991 Feb;33(1):61–5 (25 ref.)

[Nutrition and consumer health protection] Grossklaus D. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):102–16 (43 ref.) (Eng. Abstr.) **(Ger)**

STANDARDS

Safety assessment procedures for indirect food additives: an overview. Report of a workshop. Munro IC. **Regul Toxicol Pharmacol** 1990 Aug;12(1):2–12 (33 ref.)

CONSUMER SATISFACTION

Is social validity what we are interested in? Argument for a functional approach. Hawkins RP. **J Appl Behav Anal** 1991 Summer;24(2):205–13 (26 ref.)

Social validity assessments: is current practice state of the art? Schwartz IS, et al. **J Appl Behav Anal** 1991 Summer; 24(2):189–204 (75 ref.)

Attitude variables of dentofacial deformity patients: demographic characteristics and associations. Mayo KH, et al. **J Oral Maxillofac Surg** 1991 Jun;49(6):594–602 (18 ref.)

A retrospective analysis of one implant system in an oral surgery practice. Phase I: Patient satisfaction. Clancy JM, et al. **J Prosthet Dent** 1991 Feb;65(2):265–71 (12 ref.)

Patient use of removable partial dentures: two- and four-year telephone interviews. Cowan RD, et al. **J Prosthet Dent** 1991 May;65(5):668–70 (7 ref.)

Patient evaluations of hospital care. A review of the literature. Rubin HR. **Med Care** 1990 Sep;28(9 Suppl):S3–9 (56 ref.)

Malpractice. Monrad Aas IH. **Qual Assur Health Care** 1991; 3(1):21–39 (76 ref.)

STATISTICS & NUMERICAL DATA

Valuation of the benefits of risk-free blood. Willingness to pay for hemoglobin solutions. Eastaugh SR. **Int J Technol Assess Health Care** 1991;7(1):51–7 (17 ref.)

TRENDS

Community dialogues on ethical issues of health care for the disabled. Slater RJ. **J Am Paraplegia Soc** 1990 Jul; 13(3):48–52 (14 ref.)

CONSUMPTION COAGULOPATHY see **DISSEMINATED INTRAVASCULAR COAGULATION**

CONTACT DERMATITIS see **DERMATITIS, CONTACT**

CONTACT LENSES

Military aviation: a contact lens review. Lattimore MR Jr. **Aviat Space Environ Med** 1990 Oct;61(10):946–9 (36 ref.)

Ocular prostheses and contact lenses. II--Contact lenses. Bailey CS, et al. **BMJ** 1991 May 4;302(6784):1066–9 (10 ref.)

Contact lens materials: a critical review. Lippman JI. **CLAO J** 1990 Oct–Dec;16(4):287–91 (27 ref.)

Contact lenses for the correction of pediatric aphakia. Epstein RJ. **Int Ophthalmol Clin** 1991 Spring;31(2):53–60 (28 ref.)

Contact lenses and dry eye. Farris RL. **Int Ophthalmol Clin** 1991 Spring;31(2):83–90 (19 ref.)

The best contact lens for baby? Jacobs DS. **Int Ophthalmol Clin** 1991 Spring;31(2):173–9 (28 ref.)

Therapeutic contact lenses. Plotnik RD, et al. **Int Ophthalmol Clin** 1991 Spring;31(2):35–52 (61 ref.)

Contact lens considerations in surface and subsurface aqueous environments. Josephson JE, et al. **Optom Vis Sci** 1991 Jan;68(1):2–11 (72 ref.)

[Contact lenses for correction of refractive errors. A status determination] Epstein D. **Fortschr Ophthalmol** 1990;87 Suppl:S145–8 (22 ref.) (Eng. Abstr.) **(Ger)**

[Tear film diagnosis in contact lens wearers] Lemp MA, et al. **Klin Monatsbl Augenheilkd** 1990 Sep;197(3):202–6 (26

ref.) (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Contact lenses and corneal deformation: cause, correlate or co-incidence? Phillips CI. **Acta Ophthalmol (Copenh)** 1990 Dec;68(6):661-8 (48 ref.)
Sterile infiltrates associated with contact lens wear. Aquavella JV, et al. **Int Ophthalmol Clin** 1991 Spring; 31(2):127-31 (18 ref.)
Contact lens-induced corneal warpage. Asbell PA, et al. **Int Ophthalmol Clin** 1991 Spring;31(2):121-6 (19 ref.)
The contact lens patient and ocular allergies. Donshik PC, et al. **Int Ophthalmol Clin** 1991 Spring;31(2):133-45 (31 ref.)
Corneal infections in contact lens wearers. Stern GA. **Int Ophthalmol Clin** 1991 Spring;31(2):147-61 (71 ref.)
Contact lens deposits and spoilage: identification and management. Tripathi RC, et al. **Int Ophthalmol Clin** 1991 Spring;31(2):91-120 (101 ref.)
Encysted hard contact lens appearing as an orbital mass. Friedberg ML, et al. **Ophthal Plast Reconstr Surg** 1989; 5(4):291-3 (18 ref.)
[Acanthamoeba keratitis in hard contact lens wearers. Case report and review of the literature of 108 cases] Lang GE, et al. **Klin Monatsbl Augenheilkd** 1991 Apr;198(4):290-4 (46 ref.) (Eng. Abstr.) **(Ger)**

CONTACT LENSES, HYDROPHILIC

ADVERSE EFFECTS

How safe are disposable soft contact lenses? John T. **Am J Ophthalmol** 1991 Jun 15;111(6):766-8 (12 ref.)
Acanthamoeba and disinfection of soft contact lenses. Meisler DM, et al. **Rev Infect Dis** 1991 Mar-Apr;13 Suppl 5:S410-2 (21 ref.)

CONTAGIOUS ECTHYMA VIRUS OF SHEEP see **ORF VIRUS**

CONTAGIOUS PUSTULAR DERMATITIS see **ECTHYMA, CONTAGIOUS**

CONTAGIOUS PUSTULAR DERMATITIS VIRUS OF SHEEP see **ORF VIRUS**

CONTAINMENT OF BIOHAZARDS

Risk assessment of biological hazards in the biotechnology industry. Liberman DF, et al. **Occup Med** 1991 Apr-Jun; 6(2):285-99 (51 ref.)

INSTRUMENTATION

Biological safety cabinetry. Kruse RH, et al. **Clin Microbiol Rev** 1991 Apr;4(2):207-41 (224 ref.)

STANDARDS

Safety aspects in biotechnology. Classifications and safety precautions for handling of biological agents. Frommer W, et al. **Arzneimittelforschung** 1990 Jul;40(7):837-42 (5 ref.)
Containment considerations for the biotechnology industry. Liberman DF, et al. **Occup Med** 1991 Apr-Jun;6(2):271-83 (17 ref.)

CONTINUING CARE RETIREMENT CENTERS see **HOMES FOR THE AGED**

CONTINUITY OF PATIENT CARE

ORGANIZATION & ADMINISTRATION

Continuity of cancer care. Lauria MM. **Cancer** 1991 Mar 15;67(6 Suppl):1759-66 (24 ref.)

CONTINUOUS PASSIVE MOTION THERAPY see **MOTION THERAPY, CONTINUOUS PASSIVE**

CONTOUR PERCEPTION see **FORM PERCEPTION**

CONTRACEPTION

see related
FAMILY PLANNING

Contraception. Beck WW Jr. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):195-8 (20 ref.)
Lactation and contraception. Kennedy KI. **Ginecol Obstet Mex** 1990 Apr-May;58 Suppl 1:25-34 (70 ref.)
The fifth freedom revisited: I, Background and existing programmes. Potts M, et al. **Lancet** 1990 Nov 17; 336(8725):1227-31 (26 ref.)
Contraceptive choices for adolescents. Woods ER. **Pediatr Ann** 1991 Jun;20(6):313-21 (23 ref.)
Pelvic inflammatory disease and related disorders; novel observations. Mårdh PA. **Scand J Infect Dis Suppl** 1990; 69:83-7 (25 ref.)
Methodological pitfalls in the analysis of contraceptive failure. Trussell J. **Stat Med** 1991 Feb;10(2):201-20 (72 ref.)
[Long acting hormonal contraception] Garza Flores J, et al. **Ginecol Obstet Mex** 1990 Apr-May;58 Suppl 1:1-8 (45 ref.) (Eng. Abstr.) **(Spa)**

METHODS

Contraception. Szarewski A, et al. **BMJ** 1991 May 25; 302(6787):1224-6 (75 ref.)
Contraception in the perimenopause. Hollingworth BA, et al. **Br J Hosp Med** 1991 Apr;45(4):213-5 (17 ref.)
Contraception. Huggins GR. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):291-5 (21 ref.)
Contraception--a look forward, Part II: Mifepristone and gossypol. Woolley RJ. **J Am Board Fam Pract** 1991 Mar-Apr;4(2):103-13 (97 ref.)
The contraceptive needs of midlife women. Jarrett ME, et al. **Nurse Pract** 1990 Dec;15(12):34-9 (45 ref.)
[Contraceptive methods and their efficiency] Osler M. **Ugeskr Laeger** 1991 Feb 18;153(8):562-5 (15 ref.) (Eng. Abstr.) **(Dan)**

PSYCHOLOGY

The effects of oral contraceptives on well-being and sexuality. Bancroft J, et al. **Oxf Rev Reprod Biol** 1990; 12:57-92 (127 ref.)

TRENDS

Contraceptive prevalence, reproductive health and our common future. Diczfalusy E. **Contraception** 1991 Mar; 43(3):201-27 (51 ref.)
Oral contraception: past, present, and future perspectives. Mishell DR Jr. **Int J Fertil** 1991;36 Suppl 1:7-18 (33 ref.)

VETERINARY

Current and proposed methods for contraception and termination of pregnancy in dogs and cats. Concannon PW, et al. **J Am Vet Med Assoc** 1991 Apr 1;198(7):1214-25 (76 ref.)

CONTRACEPTION, IMMUNOLOGIC

Sperm and seminal plasma antigens relevant to contraceptive vaccine development. Isojima S. **Curr Opin Immunol** 1989-90;2(5):752-6 (17 ref.)
Safety of anti-fertility vaccines. Mauck CP, et al. **Curr Opin Immunol** 1989-90;2(5):728-32 (16 ref.)
Gonadotrophin vaccines. Mitchison NA. **Curr Opin Immunol** 1989-90;2(5):725-7 (7 ref.)
The immunobiology of follicle-stimulating hormone and inhibin: prospects for a contraceptive vaccine. Moudgal NR. **Curr Opin Immunol** 1989-90;2(5):736-42 (12 ref.)
Sperm surface antigens involved in mammalian fertilization: their role in contraceptive vaccine development for humans. Naz RK. **Curr Opin Immunol** 1989-90;2(5):748-51 (18 ref.)
Development of vaccines targeting the zona pellucida. Paterson M, et al. **Curr Opin Immunol** 1989-90;2(5):743-7 (7 ref.)
Immunotherapy and fertility control by immunization against gonadotrophin-releasing hormone. Talwar GP, et al. **Curr Opin Immunol** 1989-90;2(5):733-5 (5 ref.)
Experimental methods of contraception. Grubb GS. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):491-5 (27 ref.)
[In search of a vaccine for fertility control] Madrigal JA, et al. **Ginecol Obstet Mex** 1988 Jan;56:13-9 (26 ref.) (Eng. Abstr.) **(Spa)**

HISTORY

The WHO Task Force on Vaccines for Fertility Regulation. Its formation, objectives and research activities. Griffin PD. **Hum Reprod** 1991 Jan;6(1):166-72 (22 ref.)

METHODS

Relevance of immuno-contraceptive vaccines for population control. I. Hormonal immunocontraception. Gupta SK, et al. **Arch Immunol Ther Exp (Warsz)** 1990;38(1-2):47-60 (68 ref.)
Relevance of immuno-contraceptive vaccines for population control. II. Gamete antigens. Kurpisz M. **Arch Immunol Ther Exp (Warsz)** 1990;38(1-2):61-78 (119 ref.)

CONTRACEPTIVE AGENTS

Experimental methods of contraception. Grubb GS. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):491-5 (27 ref.)

ADMINISTRATION & DOSAGE

Transdermal delivery of contraceptives. Friend DR. **Crit Rev Ther Drug Carrier Syst** 1990;7(2):149-86 (178 ref.)

TOXICITY

Safety of anti-fertility vaccines. Mauck CP, et al. **Curr Opin Immunol** 1989-90;2(5):728-32 (16 ref.)

CONTRACEPTIVE AGENTS, FEMALE

Gonadotrophin vaccines. Mitchison NA. **Curr Opin Immunol** 1989-90;2(5):725-7 (7 ref.)

ADMINISTRATION & DOSAGE

Present status of contraceptive vaginal rings. Jackson R, et al. **Adv Contracept** 1990 Sep;6(3):169-76 (17 ref.)
The injectable contraceptive: present and future trends. Koetsawang S. **Ann N Y Acad Sci** 1991;626:30-42 (62 ref.)
Transdermal delivery of levonorgestrel. Friend DR. **Med Res Rev** 1991 Jan;11(1):49-80 (119 ref.)
Modern trends in contraception. Burkman RT. **Obstet Gynecol Clin North Am** 1990 Dec;17(4):759-74 (58 ref.)
[Long acting hormonal contraception] Garza Flores J, et al. **Ginecol Obstet Mex** 1990 Apr-May;58 Suppl 1:1-8 (45 ref.) (Eng. Abstr.) **(Spa)**

CONTRACEPTIVE AGENTS, MALE

Contraception--a look forward, Part II: Mifepristone and gossypol. Woolley RJ. **J Am Board Fam Pract** 1991 Mar-Apr;4(2):103-13 (97 ref.)

CONTRACEPTIVE DEVICES

Barrier contraceptives, spermicides, and periodic abstinence. Connell EB. **Curr Opin Obstet Gynecol** 1991 Aug; 3(4):477-81 (35 ref.)

CONTRACEPTIVE DEVICES, FEMALE

The cervical cap. Weiss BD, et al. **Am Fam Physician** 1991 Feb;43(2):517-23 (30 ref.)

CONTRACEPTIVE DEVICES, INTRAUTERINE see **INTRAUTERINE DEVICES**

CONTRACEPTIVE DEVICES, MALE

The formulation and implementation of a national policy on condoms in the context of HIV/AIDS--a review. Jayasuriya DC. **AIDS Care** 1991;3(1):3-9 (48 ref.)
Counseling patients on proper use of condoms. Vinson RP, et al. **Am Fam Physician** 1991 Jun;43(6):2081-5 (15 ref.)
[Global prevention of HIV infection. Steady sexual relations mean safe protection. Use of condoms is like Russian roulette] Bendtsen P, et al. **Lakartidningen** 1990 Nov 21; 87(47):3975-6 (25 ref.) **(Swe)**

CONTRACEPTIVES, ORAL

Pharmacologic and pharmacokinetic characteristics of norgestimate and its metabolites. McGuire JL, et al. **Am J Obstet Gynecol** 1990 Dec;163(6 Pt 2):2127-31 (14 ref.)
Oral contraceptives and cervical neoplasia. Brinton LA. **Contraception** 1991 Jun;43(6):581-95 (66 ref.)
Oral contraceptives and neoplasia of the uterine corpus. Schlesselman JJ. **Contraception** 1991 Jun;43(6):557-79 (57 ref.)
Oral contraceptives and neoplasia of the ovary. Stanford JL. **Contraception** 1991 Jun;43(6):543-56 (36 ref.)
Oral contraceptives and breast cancer: review of the epidemiologic literature. Thomas DB. **Contraception** 1991 Jun;43(6):597-642 (60 ref.)
Memoir--the beginning of oral contraceptives. Edgren RA. **Endocrinology** 1991 Sep;129(3):1144-5 (2 ref.)
Benefits and risk of oral contraceptives. A reassessment. Burkman RT Jr. **J Reprod Med** 1991 Mar;36(3 Suppl):217-8 (0 ref.)
Oral contraceptives and reproductive system cancer. Benefits and risks. Williams JK. **J Reprod Med** 1991 Mar;36(3 Suppl):247-52 (40 ref.)
Modern trends in contraception. Burkman RT. **Obstet Gynecol Clin North Am** 1990 Dec;17(4):759-74 (58 ref.)
Long-term health risks and benefits of oral contraceptive use. Peterson HB, et al. **Obstet Gynecol Clin North Am** 1990 Dec;17(4):775-88 (47 ref.)

ADMINISTRATION & DOSAGE

Oral contraceptives for women over the age of 35. Mishell DR Jr. **Int J Fertil** 1991;36 Suppl 2:55-60; discussion 60-4 (9 ref.)
Adolescents and oral contraceptives. Sanfilippo JS. **Int J Fertil** 1991;36 Suppl 2:65-77; discussion 77-9 (26 ref.)
Contraceptive options for the gestational diabetic woman. Shoupe D, et al. **Int J Fertil** 1991;36 Suppl 2:80-4; discussion 84-6 (19 ref.)
Oral contraceptives in the puerperium. Sulak PJ. **Int J Fertil** 1991;36 Suppl 2:87-9 (21 ref.)
The career woman and oral contraceptive use. Sulak PJ. **Int J Fertil** 1991;36 Suppl 2:90-7; discussion 97-100 (55 ref.)

ADVERSE EFFECTS

Oral contraceptives and breast cancer. Schlesselman JJ. **Am J Obstet Gynecol** 1990 Oct;163(4 Pt 2):1379-87 (58 ref.)
Oral contraceptives and myocardial infarction. Thorneycroft IH. **Am J Obstet Gynecol** 1990 Oct;163(4 Pt 2):1393-7 (16 ref.)
Oral contraceptives and breast cancer. Review and meta-analysis. Romieu I, et al. **Cancer** 1990 Dec 1; 66(11):2253-63 (65 ref.)
Biology of female sex hormone action in relation to contraceptive agents and neoplasia. King RJ. **Contraception** 1991 Jun;43(6):527-42 (73 ref.)
The association of oral contraception with kidney cancer.

colon cancer, gallbladder cancer (including extrahepatic bile duct cancer) and pituitary tumours. Milne R, et al. **Contraception** 1991 Jun;43(6):667–93 (73 ref.)
Oral contraceptives and neoplasia: an introduction. Skegg DC. **Contraception** 1991 Jun;43(6):521–5 (10 ref.)
Smoking, the oral contraceptive pill, and Crohn's disease. Wakefield AJ, et al. **Dig Dis Sci** 1991 Aug;36(8):1147–50 (51 ref.)
The relationship between oral contraceptive use, cancer and vascular disease. La Vecchia C, et al. **Drug Saf** 1990 Nov–Dec;5(6):436–46 (77 ref.)
Fertility after contraception or abortion. Huggins GR, et al. **Fertil Steril** 1990 Oct;54(4):559–73 (109 ref.)
Oxidative status and oral contraceptive. Its relevance to platelet abnormalities and cardiovascular risk. Ciavatti M, et al. **Free Radic Biol Med** 1991;10(5):325–38 (171 ref.)
Neoplastic effects of oral contraceptives. Grimes DA. **Int J Fertil** 1991;36 Suppl 1:19–24 (20 ref.)
Oral contraceptives and risk of breast cancer. Buchalter CJ. **J Fla Med Assoc** 1990 Oct;77(10):889–92 (10 ref.)
Oral contraceptives and breast cancer. Cause and effect? Harlap S. **J Reprod Med** 1991 May;36(5):374–95 (208 ref.)
Oral contraceptives and breast cancer. Gay JW, et al. **Mo Med** 1990 Oct;87(10):763–7 (23 ref.)
Epidemiologic data on exogenous hormones and hepatocellular carcinoma and selected other cancers. Prentice RL. **Prev Med** 1991 Jan;20(1):38–46 (14 ref.)
[Oral contraception and benign breast diseases: point of view of the epidemiologist] Lê MG, et al. **Bull Cancer (Paris)** 1991;78(4):357–63 (37 ref.) (Eng. Abstr.) **(Fre)**
[The antibaby pill as a risk factor for thrombosis: are the molecular mechanisms known?] Nawroth PP, et al. **Klin Wochenschr** 1991 May 24;69(8):335–9 (34 ref.) (Eng. Abstr.) **(Ger)**
[The contraceptive pill and cancer] Lancet M. **Harefuah** 1990 Dec 16;119(12):432–7 (71 ref.) **(Heb)**
[P pills and risk of cancer] Lund E, et al. **Tidsskr Nor Laegeforen** 1991 Mar 10;111(7):832–4 (23 ref.) (Eng. Abstr.) **(Nor)**

CONTRAINDICATIONS

Oral contraception in disease states. Breckwoldt M, et al. **Am J Obstet Gynecol** 1990 Dec;163(6 Pt 2):2213–6 (27 ref.)

METABOLISM

Reassessment of the metabolic effects of oral contraceptives. Franklin M. **J Nurse Midwifery** 1990 Nov–Dec; 35(6):358–64 (59 ref.)

PHARMACOLOGY

Metabolic aspects of oral contraceptives of relevance for cardiovascular disease. First European conference on sex steroids and metabolism. Skouby SO, et al. **Adv Contracept** 1990 Dec;6 Suppl:7–13 (0 ref.)
Influence of oral contraceptives on drug therapy. Teichmann AT. **Am J Obstet Gynecol** 1990 Dec;163(6 Pt 2):2208–13 (63 ref.)
Can ethnopharmacology contribute to the development of anti-fertility drugs? Pei-Gen X, et al. **J Ethnopharmacol** 1991 Apr;32(1–3):167–77 (30 ref.)
The effects of oral contraceptives on well-being and sexuality. Bancroft J, et al. **Oxf Rev Reprod Biol** 1990; 12:57–92 (127 ref.)
Oral contraceptive drug interactions: important considerations. Fazio A. **South Med J** 1991 Aug; 84(8):997–1002 (66 ref.)
[Reliability of oral contraceptives during long-term use of tetracycline for the treatment of acne] van den Brekel AJ, et al. **Ned Tijdschr Geneeskd** 1991 Apr 27;135(17):749–51 (21 ref.) **(Dut)**
[Ovulation inhibition with RU 486] Zalányi S Jr, et al. **Orv Hetil** 1991 Mar 17;132(11):563–7 (32 ref.) (Eng. Abstr.) **(Hun)**

STANDARDS

Interchangeability of low-dose oral contraceptives. Are current bioequivalent testing measures adequate to ensure therapeutic equivalency? Ansbacher R. **Contraception** 1991 Feb;43(2):139–47 (12 ref.)

THERAPEUTIC USE

Oral contraception and its possible protection against rheumatoid arthritis. Hazes JM, et al. **Ann Rheum Dis** 1991 Feb;50(2):72–4 (29 ref.)

CONTRACEPTIVES, ORAL, COMBINED

Update on combination oral contraceptives. Wall DM, et al. **Am Fam Physician** 1990 Oct;42(4):1037–48 (16 ref.)
Characteristics of the new progestogens in combination oral contraceptives. Rebar RW, et al. **Contraception** 1991 Jul; 44(1):1–10 (21 ref.)
Oral contraceptives and neoplasia of the uterine corpus. Schlesselman JJ. **Contraception** 1991 Jun;43(6):557–79 (57 ref.)
Clinical experience with the recently developed progestogens. Skouby SO, et al. **Int J Fertil** 1991;36 Suppl 1:32–7 (19 ref.)

ADMINISTRATION & DOSAGE

[Long acting hormonal contraception] Garza Flores J, et al. **Ginecol Obstet Mex** 1990 Apr–May;58 Suppl 1:1–8 (45 ref.) (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

The risk of liver neoplasia in relation to combined oral contraceptive use. Rosenberg L. **Contraception** 1991 Jun; 43(6):643–52 (17 ref.)
Combined progestin and estrogen (oral), and other forms of hormonal contraception. McPherson K. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):486–90 (21 ref.)
Oral contraception: past, present, and future perspectives. Mishell DR Jr. **Int J Fertil** 1991;36 Suppl 1:7–18 (33 ref.)

PHARMACOKINETICS

Pharmacokinetics of gestodene and ethinyl estradiol after oral administration of a monophasic contraceptive. Täuber U, et al. **Am J Obstet Gynecol** 1990 Oct;163(4 Pt 2):1414–20 (14 ref.)

PHARMACOLOGY

Contraception—a look forward, Part III: Inhibin and brain-enhanced estrogen delivery. Woolley RJ. **J Am Board Fam Pract** 1991 May–Jun;4(3):159–66 (29 ref.)

THERAPEUTIC USE

The combined oral contraceptive. A practical guide. Miller C. **Aust Fam Physician** 1990 Jun;19(6):897, 900, 903–6 (5 ref.)
Risk-benefit assessment of drugs used for the treatment of menstrual disorders. Higham JM, et al. **Drug Saf** 1991 May–Jun;6(3):183–91 (47 ref.)

CONTRACEPTIVES, ORAL, HORMONAL

Oral contraceptives. Ellsworth AJ, et al. **Prim Care** 1990 Sep;17(3):603–22 (52 ref.)
Results of a multilateral study with Anteovin. Seregély G. **Ther Hung** 1990;38(4):160–5 (64 ref.)

ADVERSE EFFECTS

Spermicides, hormonal contraception and congenital malformations. Simpson JL, et al. **Adv Contracept** 1990 Sep; 6(3):141–67 (84 ref.)
Effects of steroidal contraceptives on gallbladder: a review. Kenya PR. **East Afr Med J** 1990 Sep;67(9):661–6 (34 ref.)
Oral contraceptives and coronary heart disease. Wynn V. **J Reprod Med** 1991 Mar;36(3 Suppl):219–25 (62 ref.)
Fertility control and the risk of gynecological malignancies. Sivanesaratnam V. **Obstet Gynecol Surv** 1991 Mar; 46(3):131–7 (96 ref.)
[Evaluation of cutaneous risks of the Pill] Girard M. **Ann Dermatol Venereol** 1990;117(6–7):436–40 (45 ref.) (Eng. Abstr.) **(Fre)**
[Contraception and breast cancer] Kottler ML, et al. **Rev Fr Gynecol Obstet** 1991 Jan;86(1):21–6 (31 ref.) (Eng. Abstr.) **(Fre)**
[Ovulation inhibitors: the significance of estrogen dose] Kuhl H. **Geburtshilfe Frauenheilkd** 1990 Dec;50(12):910–22 (113 ref.) (Eng. Abstr.) **(Ger)**
[Hormonal contraception and postmenopausal estrogen substitution in relation to malignant tumors] Lauritzen C. **Zentralbl Gynakol** 1990;112(17):1071–90 (104 ref.) (Eng. Abstr.) **(Ger)**
[The interaction between antibiotic therapy and contraceptive drugs] Moniaci D, et al. **Minerva Stomatol** 1990 Nov;39(11):943–5 (21 ref.) (Eng. Abstr.) **(Ita)**
[Oral contraceptive and hepatic effects] Tarantino G, et al. **Riv Eur Sci Med Farmacol** 1990 Jun;12(3):165–8 (17 ref.) (Eng. Abstr.) **(Ita)**
[Contraceptives and ischemic cardiopathy] García-Bolao I, et al. **Rev Med Univ Navarra** 1990 Jul–Sep;34(3):144–50 (87 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

Gastrointestinal metabolism of contraceptive steroids. Back DJ, et al. **Am J Obstet Gynecol** 1990 Dec;163(6 Pt 2):2138–45 (21 ref.)
Inhibition of oral contraceptive steroid-metabolizing enzymes by steroids and drugs. Guengerich FP. **Am J Obstet Gynecol** 1990 Dec;163(6 Pt 2):2159–63 (36 ref.)

PHARMACOKINETICS

Interactions with oral contraceptives. Fotherby K. **Am J Obstet Gynecol** 1990 Dec;163(6 Pt 2):2153–9 (43 ref.)
Prodrugs: advantage or disadvantage? Hammerstein J. **Am J Obstet Gynecol** 1990 Dec;163(6 Pt 2):2198–203 (32 ref.)
Gastrointestinal disease and oral contraception. Hanker JP. **Am J Obstet Gynecol** 1990 Dec;163(6 Pt 2):2204–7 (57 ref.)
Factors affecting the enterohepatic circulation of oral contraceptive steroids. Orme ML, et al. **Am J Obstet Gynecol** 1990 Dec;163(6 Pt 2):2146–52 (51 ref.)
Clinical pharmacokinetics of contraceptive steroids. An update. Shenfield GM, et al. **Clin Pharmacokinet** 1991 Jan; 20(1):15–37 (104 ref.)

CONTRACEPTIVES, ORAL, SYNTHETIC

Results of a multilateral study with Anteovin. Seregély G. **Ther Hung** 1990;38(4):160–5 (64 ref.)

PHARMACOKINETICS

[Pharmacodynamics of synthetic estrogens. Review article] Sojo-Aranda I, et al. **Ginecol Obstet Mex** 1990 Oct; 58:277–83 (31 ref.) (Eng. Abstr.) **(Spa)**

CONTRACEPTIVES, POSTCOITAL

PHARMACOLOGY

Post-ovulatory contraception. Glasier A, et al. **Baillieres Clin Obstet Gynaecol** 1990 Jun;4(2):283–91 (32 ref.)

CONTRACT SERVICES

Acquiring a laboratory computer system. Vendor selection and contracting. Lincoln TL, et al. **Clin Lab Med** 1991 Mar;11(1):21–40 (15 ref.)

CONTRACTILE PROTEINS

GENETICS

Alternative splicing is an efficient mechanism for the generation of protein diversity: contractile protein genes as a model system. Nadal-Ginard B, et al. **Adv Enzyme Regul** 1991;31:261–86 (88 ref.)

PHYSIOLOGY

Protein motors and Maxwell's demons: does mechanochemical transduction involve a thermal ratchet? Vale RD, et al. **Adv Biophys** 1990;26:97–134 (63 ref.)
From genes to tensile forces: genetic dissection of contractile protein assembly and function in Drosophila melanogaster. Fyrberg E, et al. **J Cell Sci Suppl** 1991;14:27–9 (16 ref.)

CONTRACTURE

DIAGNOSIS

Acquired contracture of the infraspinatus muscle. A case report and review of the literature. Van Holsbeeck E, et al. **Acta Orthop Belg** 1991;57(1):76–8 (8 ref.)

ETIOLOGY

Bilateral intradeltoid ossification: a cause of glenohumeral abduction contracture. Mylle J, et al. **Acta Orthop Belg** 1991;57(2):195–8 (7 ref.)

VETERINARY

Fracture disease and related contractures. Anderson GI. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):845–58 (65 ref.)

CONTRAST MEDIA

see related
EXTRAVASATION OF DIAGNOSTIC AND THERAPEUTIC MATERIALS

Development of contrast enhancing agents in magnetic resonance imaging. Lex L. **Acta Biochim Biophys Hung** 1989;24(3):265–81 (81 ref.)
Gadopentetate dimeglumine-enhanced MR imaging of the musculoskeletal system. Beltran J, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):457–66 (58 ref.)
Advances in contrast-enhanced MR imaging. Gastrointestinal contrast agents. Hahn PF. **AJR Am J Roentgenol** 1991 Feb;156(2):252–4 (19 ref.)
Advances in contrast-enhanced MR imaging. Nonneurologic applications. Hamm B. **AJR Am J Roentgenol** 1991 Feb; 156(2):245–52 (56 ref.)
Advances in contrast-enhanced MR imaging. Neurologic applications. Modic MT. **AJR Am J Roentgenol** 1991 Feb; 156(2):239–45 (44 ref.)
Advances in contrast-enhanced MR imaging. Principles. Saini S. **AJR Am J Roentgenol** 1991 Feb;156(2):236–9 (30 ref.)
Selection of radiocontrast media in cardiac catheterization: comparative physiology and clinical effects of nonionic monomeric and ionic dimeric formulations. Kern MJ. **Am Heart J** 1991 Jul;122(1 (Pt 1)):195–201 (39 ref.)
Selection of a contrast agent in the cardiac catheterization laboratory. Brinker JA. **Am J Cardiol** 1990 Oct 26; 66(14):26F–33F (99 ref.)
Role of magnetic resonance contrast agents in cardiac imaging. Wolf GL. **Am J Cardiol** 1990 Oct 26; 66(14):59F–62F (15 ref.)
Mechanisms of contrast enhancement in magnetic resonance imaging. Lee DH. **Can Assoc Radiol J** 1991 Feb;42(1):6–12 (18 ref.)
Choice of contrast agents for cardiac angiography: review

and recommendations based on clinically important distinctions. Matthai WH Jr, et al. **Cathet Cardiovasc Diagn** 1991 Apr;22(4):278–89 (70 ref.)

Myocardial perfusion by contrast echocardiography. From off–line processing to radio frequency analysis. Rovai D, et al. **Circulation** 1991 May;83(5 Suppl):III97–103 (46 ref.)

Choosing contrast media for pediatric gastrointestinal examinations. Cohen MD. **Crit Rev Diagn Imaging** 1990; 30(4):317–40 (79 ref.)

Contrast material for computed tomography and magnetic resonance imaging of the gastrointestinal tract. Hamm B, et al. **Curr Opin Radiol** 1991 Jun;3(3):474–82 (35 ref.)

Ionic versus nonionic contrast use. Stolberg HO, et al. **Curr Probl Diagn Radiol** 1991 Mar–Apr;20(2):47–88 (298 ref.)

Tolerance data of Gd–DTPA: a review. Niendorf HP, et al. **Eur J Radiol** 1991 Jul–Aug;13(1):15–20 (7 ref.)

Macromolecular magnetic resonance imaging contrast media. Accumulated experience. Brasch RC, et al. **Invest Radiol** 1990 Sep;25 Suppl 1:S51–2 (9 ref.)

Magnetic resonance imaging of the alimentary tube. Werthmuller WC, et al. **Invest Radiol** 1991 Feb; 26(2):195–200 (27 ref.)

Choroid plexus papillomas of the posterior fossa in adults: MR imaging and gadolinium enhancement. Report of four cases and review of the literature. Girardot C, et al. **J Neuroradiol** 1990;17(4):303–18 (27 ref.) **(Eng, Fre)**

Magnetic resonance imaging contrast agents: theory and application to the central nervous system. Bronen RA, et al. **J Neurosurg** 1990 Dec;73(6):820–39 (82 ref.)

Contrast agents and cerebral hemodynamics. Rosen BR, et al. **Magn Reson Med** 1991 Jun;19(2):285–92 (50 ref.)

Clinical applications of contrast agents in body imaging. Bydder GM. **Top Magn Reson Imaging** 1991 Mar;3(2):74–84 (41 ref.)

Basic principles of magnetic resonance contrast agents. Kirsch JE. **Top Magn Reson Imaging** 1991 Mar;3(2):1–18 (41 ref.)

Contrast–enhanced magnetic resonance imaging of the spine. Lee C, et al. **Top Magn Reson Imaging** 1991 Mar;3(2):41–73 (51 ref.)

Clinical applications of magnetic resonance contrast media in the head. Runge VM. **Top Magn Reson Imaging** 1991 Mar;3(2):19–40 (47 ref.)

Future directions in magnetic resonance contrast media. Runge VM, et al. **Top Magn Reson Imaging** 1991 Mar; 3(2):85–97 (43 ref.)

Principles and recent developments in ultrasound contrast agents. de Jong N, et al. **Ultrasonics** 1991 Jul;29(4):324–30 (12 ref.)

[X–ray computed tomography of the liver with injection] Tyrrel RP, et al. **J Radiol** 1990 May;71(5):317–23 (43 ref.) **(Fre)**

[The assessment of myocardial perfusion using contrast echocardiography] Berwing K, et al. **Rontgenblatter** 1990 Sep;43(9):377–83 (39 ref.) (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Contrast media research 1919. Particles. Fischer HW. **Invest Radiol** 1990 Sep;25 Suppl 1:S2–6 (47 ref.)

Intravascular contrast media. Ionic versus nonionic: current status. McClennan BL, et al. **Radiol Clin North Am** 1991 May;29(3):437–54 (61 ref.)

[Infusions into the venous bed of the bones] Atiasov NI. **Vestn Khir** 1991 Mar;146(3):134–7 (21 ref.) **(Rus)**

ADVERSE EFFECTS

Contrast media safety: what do we know and how do we know it? Mishkin MM. **Am J Cardiol** 1990 Oct 26; 66(14):34F–36F (15 ref.)

Experimental contrast–associated nephropathy and its clinical implications. Porter GA. **Am J Cardiol** 1990 Oct 26; 66(14):18F–22F (45 ref.)

Contrast nephropathy in azotemic diabetic patients undergoing coronary angiography. Manske CL, et al. **Am J Med** 1990 Nov;89(5):615–20 (26 ref.)

Anaphylactoid reactions to radiocontrast material. Liebemman P. **Ann Allergy** 1991 Aug;67(2 Pt 1):91–100 (138 ref.)

Contrast nephropathy. Thomsen HS. **Curr Opin Radiol** 1990 Dec;2(6):793–802 (40 ref.)

The adverse effects of angiographic radiocontrast media. Westhoff–Bleck M, et al. **Drug Saf** 1991 Jan–Feb;6(1):28–36 (72 ref.)

Drug–induced renal toxicity. Help in recognizing offending agents. Farrugia E, et al. **Postgrad Med** 1991 Aug; 90(2):241–4, 247–8 (15 ref.)

[Renal tolerance during administration of iodinated contrast media in diabetic patients] Deray G, et al. **Diabete Metab** 1991 May–Jun;17(3):379–82 (13 ref.) **(Fre)**

[Renal tolerance of iodinated low osmolality contrast agents. Clinical and experimental aspects] Deray G, et al. **J Radiol** 1990 Jun–Jul;71(6–7):439–44 (31 ref.) (Eng. Abstr.) **(Fre)**

[Accidental vaginal administration of colon contrast medium] Jaluvka V, et al. **Zentralbl Gynakol** 1991;113(2):115–8 (8 ref.) (Eng. Abstr.) **(Ger)**

[Adverse reactions to intravenous contrast media] Ryś A, et al. **Pol Tyg Lek** 1990 Nov 19–26;45(47–48):974–7 (26 ref.) **(Pol)**

CHEMISTRY

Contrast media: the relation of chemical structure, animal toxicity and adverse clinical effects. Almén T. **Am J Cardiol** 1990 Oct 26;66(14):2F–8F (25 ref.)

Mechanisms of magnetic resonance contrast enhancement by relaxivity and magnetic susceptibility agents. Lauffer RB. **Invest Radiol** 1990 Sep;25 Suppl 1:S32–3 (7 ref.)

Recent developments in design, characterization, and understanding of MRI and MRS contrast media. Muller RN, et al. **Invest Radiol** 1990 Sep;25 Suppl 1:S34–6 (10 ref.)

PHARMACOLOGY

A hematologist's view of contrast media, clotting in angiography syringes and thrombosis during coronary angiography. Grabowski EF. **Am J Cardiol** 1990 Oct 26; 66(14):23F–25F (17 ref.)

Cardiovascular effects of iodinated contrast agents. Hirshfeld JW Jr. **Am J Cardiol** 1990 Oct 26;66(14):9F–17F (44 ref.)

TOXICITY

[Ionic and non–ionic contrast media] Bryc S. **Ann Univ Mariae Curie Sklodowska [Med]** 1986;41:145–56 (29 ref.) (Eng. Abstr.) **(Pol)**

CONTROLLED CLINICAL TRIALS see **CLINICAL TRIALS**

CONTROLLED CLINICAL TRIALS, RANDOMIZED see **RANDOMIZED CONTROLLED TRIALS**

CONTUSIONS

THERAPY

Quadriceps contusions. West Point update. Ryan JB, et al. **Am J Sports Med** 1991 May–Jun;19(3):299–304 (22 ref.)

CONVERGENCE, OCULAR

PHYSIOLOGY

Vergence. Hain TC, et al. **Bull Soc Belge Ophtalmol** 1989; 237:145–61 (62 ref.)

Adaptive regulation in the vergence and accommodation control systems. Miles FA. **Rev Oculomot Res** 1985;1:81–94 (0 ref.)

CONVERSION DISORDER

PHYSIOPATHOLOGY

Conversion symptoms revised. Merskey H. **Semin Neurol** 1990 Sep;10(3):221–8 (61 ref.)

PSYCHOLOGY

[Psychosomatic aspects of neurologic diseases. Experiences with clinical neurology from the viewpoint of the psychoanalyst] Franz M. **Z Psychosom Med Psychoanal** 1990;36(4):355–73 (80 ref.) (Eng. Abstr.) **(Ger)**

[Clinical aspects common to conversion symptoms and Anton–Babinski syndrome] Orengo García F. **Arch Neurobiol (Madr)** 1990 Sep–Oct;53(5):177–88 (55 ref.) (Eng. Abstr.) **(Spa)**

CONVULSIONS

see related
ECLAMPSIA
EPILEPSY
KINDLING (NEUROLOGY)

Benign familial neonatal convulsions: clinical features of the propositus and comparison with the previously reported cases. Wakai S, et al. **Acta Paediatr Jpn** 1991 Feb; 33(1):77–82 (21 ref.)

[The problem of neonatal convulsions] Campos–Castelló J. **An Esp Pediatr** 1990 Nov;33 Suppl 43:33–7 (19 ref.) **(Spa)**

DRUG THERAPY

Mechanism based approaches to anticonvulsant therapies: modulation of inhibitory and excitatory transmission. Meldrum B. **Prog Clin Biol Res** 1990;361:31–43 (38 ref.)

Mechanism–based approaches to anticonvulsant therapy. Post RM, et al. **Prog Clin Biol Res** 1990;361:45–90 (85 ref.)

[Reye's syndrome in children (review of the literature)] Badalian LO, et al. **Zh Nevropatol Psikhiatr** 1990; 90(8):109–13 (98 ref.) **(Rus)**

EPIDEMIOLOGY

[Prevalence of febrile seizures in the school population of Valladolid] Ochoa Sangrador C, et al. **An Esp Pediatr** 1990 Oct;33(4):355–8 (30 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Neurological sequelae of cerebral malaria in children. Brewster DR, et al. **Lancet** 1990 Oct 27;336(8722):1039–43 (39 ref.)

[Neonatal convulsions: comments on controversial aspects] Legido Cameo A. **An Esp Pediatr** 1991 Jan;34(1):1–8 (65 ref.) **(Spa)**

GENETICS

[Benign familial neonatal convulsion: clinical features of the propositus and comparison with the previously reported cases] Wakai S, et al. **No To Hattatsu** 1990 Nov; 22(6):589–95 (22 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

The influence of stress on convulsive parameters in the mouse. Rae GA, et al. **Neurosci Biobehav Rev** 1990 Winter; 14(4):491–4 (37 ref.)

CONVULSIONS, FEBRILE

COMPLICATIONS

Febrile convulsions. How dangerous are they? Leung AK, et al. **Postgrad Med** 1991 Apr;89(5):217–8, 221–2, 224 (20 ref.)

DIAGNOSIS

Chaos, balance, and development: thoughts on selected childhood epilepsy syndromes. Vining EP. **Epilepsia** 1990; 31 Suppl 3:S30–6 (44 ref.)

PHYSIOPATHOLOGY

When does an EEG contribute to the management of febrile seizures? Stores G. **Arch Dis Child** 1991 Apr;66(4):554–7 (25 ref.)

PREVENTION & CONTROL

Phenobarbitone and febrile convulsions. Addy DP. **Arch Dis Child** 1990 Sep;65(9):921 (4 ref.)

THERAPY

Febrile seizure. Caring for patients––and their parents. Monsen RF, et al. **Postgrad Med** 1991 Aug;90(2):217–8, 221–6 (26 ref.)

CONVULSIVE THERAPY, ELECTRIC see **ELECTROCONVULSIVE THERAPY**

COOKERY

Comparison of vitamin losses in vegetables due to various cooking methods. Rumm–Kreuter D, et al. **J Nutr Sci Vitaminol (Tokyo)** 1990;36 Suppl 1:S7–14; discussion S14–5 (20 ref.)

Cooked–food mutagens: current knowledge of formation and biological significance. Overvik E, et al. **Mutagenesis** 1990 Sep;5(5):437–46 (161 ref.)

Occurrence, identification, and bacterial mutagenicity of heterocyclic amines in cooked food. Felton JS, et al. **Mutat Res** 1991 Mar–Apr;259(3–4):205–17 (52 ref.)

Carcinogenicities of heterocyclic amines in cooked food. Ohgaki H, et al. **Mutat Res** 1991 Mar–Apr; 259(3–4):399–410 (44 ref.)

HISTORY

The history of nitrite in human nutrition: a contribution from German cookery books. Lauer K. **J Clin Epidemiol** 1991; 44(3):261–4 (29 ref.)

COOMBS' TEST

Non–A, non–B hepatitis and the anti–HCV assay. Barbara JA, et al. **Vox Sang** 1991;60(1):1–7 (33 ref.)

COOPERATIVE BEHAVIOR

Between awakening and despair. The phenomenology and clinic of obstinacy. Bosch G. **Acta Paedopsychiatr** 1989; 52(3):197–203 (11 ref.)

Physician compliance: improving skills in preventive medicine practices. Pommerenke FA, et al. **Am Fam Physician** 1991 Feb;43(2):560–8 (31 ref.)

The Emanuel Miller Memorial Lecture 1990. Cooperative learning in classrooms: processes and outcomes. Bennett N. **J Child Psychol Psychiatry** 1991 May;32(4):581–94 (21 ref.)

[Compliance in adolescents with chronic disease] Michaud PA, et al. **Arch Fr Pediatr** 1991 May;48(5):329–36 (34 ref.) (Eng. Abstr.) **(Fre)**

COPD see **LUNG DISEASES, OBSTRUCTIVE**

COPING BEHAVIOR see **ADAPTATION, PSYCHOLOGICAL**

COPPER

Chemical nucleases. Sigman DS. **Biochemistry** 1990 Oct 2; 29(39):9097–105 (92 ref.)

CHEMISTRY

A comparative study of in vitro and in vivo interaction of D–penicillamine and triethylenetetramine with copper. Sarkar B, et al. **Proc R Soc Med** 1977;70 Suppl 3:13–8 (7

ref.)

DIAGNOSTIC USE

Cardiac blood-pool tracers [editorial; comment] Subramanian KM. **J Nucl Med** 1991 Mar;32(3):480-2 (12 ref.) Comment on: J Nucl Med 1991 Mar;32(3):475-80.

METABOLISM

Reactivity of active centre analogues of Cu2Zn2 superoxide dismutase. Weser U, et al. **Adv Exp Med Biol** 1990;264:51-7 (15 ref.)
Dietary copper: cholesterol and lipoprotein metabolism. Lei KY. **Annu Rev Nutr** 1991;11:265-83 (56 ref.)
The interactions between copper, molybdenum, and sulphur in ruminant nutrition. Suttle NF. **Annu Rev Nutr** 1991; 11:121-40 (81 ref.)
Status of the cofactor identity in copper oxidative enzymes. Klinman JP, et al. **FEBS Lett** 1991 Apr 22;282(1):1-4 (36 ref.)
Metal ion-catalyzed oxidation of proteins: biochemical mechanism and biological consequences [published erratum appears in Free Radic Biol Med 1991;10(3-4):249] Stadtman ER. **Free Radic Biol Med** 1990;9(4):315-25 (113 ref.)
Use of zinc-copper metabolic interactions in the treatment of Wilson's disease. Brewer GJ, et al. **J Am Coll Nutr** 1990 Oct;9(5):487-91 (23 ref.)
Hepatic copper toxicosis. Sternlieb I. **J Gastroenterol Hepatol** 1989 Mar-Apr;4(2):175-81 (29 ref.)
Copper-glutathione: a key intermediate in cellular copper metabolism? **Nutr Rev** 1991 Mar;49(3):95-6 (6 ref.)
Cellular uptake of copper by hepatocytes. **Nutr Rev** 1991 Apr;49(4):123-5 (7 ref.)
Dietary carbohydrate source and copper bioavailability. O'Dell BL. **Nutr Rev** 1990 Dec;48(12):425-34 (31 ref.)
[Trace elements in the human body and their physiological significance and levels in proliferative diseases of the hematopoietic system] Deptala A. **Pol Tyg Lek** 1989 Oct 2-16;44(40-42):892-5 (33 ref.) **(Pol)**

PHARMACOKINETICS

Copper transport: an overview. Harris ED. **Proc Soc Exp Biol Med** 1991 Feb;196(2):130-40 (89 ref.)

PHARMACOLOGY

SOD mimicking properties of copper (II) complexes: health side effects. Lapluye G. **Adv Exp Med Biol** 1990;264:59-68 (22 ref.)
Copper resistance in bacteria. Trevors JT. **Microbiol Sci** 1987 Jan;4(1):29-31 (28 ref.)

PHYSIOLOGY

Roles of copper in bone maintenance and healing. Dollwet HH, et al. **Biol Trace Elem Res** 1988 Dec;18:39-48 (73 ref.)
Gangliosides, copper ions and angiogenic capacity of adult tissues. Gullino PM, et al. **Cancer Metastasis Rev** 1990 Nov; 9(3):239-51 (68 ref.)
Oxidative modification of LDL: comparison between cell-mediated and copper-mediated modification. Parthasarathy S, et al. **Eur Heart J** 1990 Aug;11 Suppl E:83-7 (87 ref.)
Copper and liver disease. Danks DM. **Eur J Pediatr** 1991 Jan;150(3):142-8 (43 ref.)
Are copper and iron required for delta-9 desaturation of fatty acids? **Nutr Rev** 1990 Oct;48(10):387-9 (13 ref.)

TOXICITY

The cytopathology of metal overload. Alt ER, et al. **Int Rev Exp Pathol** 1990;31:165-88 (67 ref.)
Host defenses against copper toxicity. Winge DR, et al. **Int Rev Exp Pathol** 1990;31:47-83 (175 ref.)
A review on biochemical roles, toxicity and interactions of zinc, copper and iron: IV. Interactions. Abdel-Mageed AB, et al. **Vet Hum Toxicol** 1990 Oct;32(5):456-8 (0 ref.)

URINE

Correlation of cadmium, copper, manganese, and zinc levels in the urine of people in nonpolluted areas. Watanabe T, et al. **J Toxicol Environ Health** 1991 Jul;33(3):263-72 (24 ref.)

COPULINS see **SEX ATTRACTANTS**

COR PULMONALE see **PULMONARY HEART DISEASE**

COR TRIATRIATUM

COMPLICATIONS

[Association of cor triatriatum and obstruction of abnormal left pulmonary venous drainage. Apropos of a case] Camilleri L, et al. **Arch Mal Coeur Vaiss** 1991 Mar; 84(3):409-12 (10 ref.) (Eng. Abstr.) **(Fre)**

CORD BLOOD see **FETAL BLOOD**

CORD FACTORS

METABOLISM

Structure-to-function relationship of mycobacterial cell envelope components. Takayama K, et al. **Res Microbiol** 1991 May;142(4):443-8 (37 ref.)

CORE PROTEINS, VIRAL see **VIRAL CORE PROTEINS**

CORN

GENETICS

Structure and function of the maize Spm transposable element. Masson P, et al. **Biochimie** 1991 Jan;73(1):5-8 (23 ref.)
Amaizing results. Birchler J. **Trends Genet** 1990 Aug; 6(8):231-3 (0 ref.)
Recombinant inbreds for molecular mapping in maize: theoretical and practical considerations. Burr B, et al. **Trends Genet** 1991 Feb;7(2):55-60 (33 ref.)

MICROBIOLOGY

Toxins from Fusarium moniliforme, a common fungus in corn. Voss KA. **Vet Hum Toxicol** 1990;32 Suppl:57-63 (55 ref.)

CORN OIL

Food uses and health effects of corn oil. Dupont J, et al. **J Am Coll Nutr** 1990 Oct;9(5):438-70 (277 ref.)

CORNEA

Corneal preservation: past, present, and future. Bourne WM. **Refract Corneal Surg** 1991 Jan-Feb;7(1):60-1 (19 ref.)
[Dermoid of the cornea. Report of 2 cases of Ida Mann's 2nd type] Ndiaye PA, et al. **J Fr Ophtalmol** 1990; 13(6-7):355-9 (17 ref.) (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Topographical principles in keratorefractive surgery. Maguire LJ. **Int Ophthalmol Clin** 1991 Winter;31(1):1-6 (15 ref.)
Current applications of the Corneal Modeling System. McDonnell PJ. **Refract Corneal Surg** 1991 Jan-Feb; 7(1):87-91 (14 ref.)
Advances in the analysis of corneal topography. Wilson SE, et al. **Surv Ophthalmol** 1991 Jan-Feb;35(4):269-77 (53 ref.)

DRUG EFFECTS

Management of epithelial and wound healing problems after penetrating keratoplasty. Keates RH, et al. **Refract Corneal Surg** 1991 Jan-Feb;7(1):73-6 (25 ref.)

METABOLISM

The cytochrome P450 metabolic pathway of arachidonic acid in the cornea. Schwartzman ML, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21A:185-92 (23 ref.)

PATHOLOGY

Prospective corneal topographic analysis in surgery for postkeratoplasty astigmatism. Frangieh GT, et al. **Arch Ophthalmol** 1991 Apr;109(4):506-10 (23 ref.)
Limbal transplantation for ocular surface reconstruction--a review. Tseng SC, et al. **Fortschr Ophthalmol** 1991; 88(3):236-42 (29 ref.)
A comparison of surgical keratometers. Frantz JM, et al. **Refract Corneal Surg** 1989 Nov-Dec;5(6):409-13 (16 ref.)
[Ocular findings in galactosialidosis] Usui T. **No To Shinkei** 1991 Mar;43(3):231-7 (40 ref.) **(Jpn)**

PHYSIOLOGY

Barraquer lecture. What we have learned about corneal wound healing from refractive surgery. Binder PS. **Refract Corneal Surg** 1989 Mar-Apr;5(2):98-120 (173 ref.)
Advances in corneal preservation. Lindstrom RL. **Trans Am Ophthalmol Soc** 1990;88:555-648 (162 ref.)

SURGERY

Polysulfone intracorneal lenses. Lane SS, et al. **Int Ophthalmol Clin** 1991 Winter;31(1):37-46 (28 ref.)
Refractive keratoplasty with synthetic lens implants. McCarey BE. **Int Ophthalmol Clin** 1991 Winter;31(1):87-99 (23 ref.)
Update on laser corneal surgery. Talamo JH, et al. **Int Ophthalmol Clin** 1991 Winter;31(1):13-23 (49 ref.)
The effect of epidermal growth factor on corneal wound healing: practical considerations for therapeutic use. Feldman ST. **Refract Corneal Surg** 1991 May-Jun; 7(3):232-9 (62 ref.)
The surgical correction of astigmatism: a clinician's perspective. Lindstrom RL. **Refract Corneal Surg** 1990 Nov-Dec;6(6):441-54 (51 ref.)
Corneal topography and optical zone location in photorefractive keratectomy. Maloney RK. **Refract Corneal Surg** 1990 Sep-Oct;6(5):363-71 (30 ref.)
[Non-freeze myopic keratomileusis. Retrospective study of 27 consecutive operations] Bosc JM, et al. **J Fr Ophtalmol** 1990;13(1-2):10-6 (11 ref.) (Eng. Abstr.) **(Fre)**
[Results of transverse incisions in surgical correction of severe post-keratoplasty astigmatism] Saragoussi JJ, et al. **J Fr Ophtalmol** 1990;13(10):492-9 (24 ref.) (Eng. Abstr.) **(Fre)**
[Epikeratophakia] Busin M, et al. **Fortschr Ophthalmol** 1990; 87 Suppl:S219-23 (10 ref.) (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

On the evaluation of the corneal epithelial surface by scanning electron microscopy. Doughty MJ. **Optom Vis Sci** 1990 Oct;67(10):735-56 (224 ref.)

CORNEAL DISEASES

ETIOLOGY

Contact lenses and corneal deformation: cause, correlate or co-incidence? Phillips CI. **Acta Ophthalmol (Copenh)** 1990 Dec;68(6):661-8 (48 ref.)
Sterile infiltrates associated with contact lens wear. Aquavella JV, et al. **Int Ophthalmol Clin** 1991 Spring; 31(2):127-31 (18 ref.)
Systemic associations of corneal deposits. Arffa RC, et al. **Int Ophthalmol Clin** 1991 Summer;31(3):89-110 (137 ref.)
Contact lens-induced corneal warpage. Asbell PA, et al. **Int Ophthalmol Clin** 1991 Spring;31(2):121-6 (19 ref.)
Corneal infections in contact lens wearers. Stern GA. **Int Ophthalmol Clin** 1991 Spring;31(2):147-61 (71 ref.)
Corneal complications of cataract surgery. Hwang DG, et al. **Refract Corneal Surg** 1991 Jan-Feb;7(1):77-80 (14 ref.)
[The cornea of diabetics] Nucci P, et al. **J Fr Ophtalmol** 1990;13(8-9):461-4 (41 ref.) **(Fre)**

MICROBIOLOGY

Infectious crystalline keratopathy. Role of nutritionally variant streptococci and other bacterial factors. Ormerod LD, et al. **Ophthalmology** 1991 Feb;98(2):159-69 (59 ref.)

SURGERY

[Keratoplasty. Progress and distant goals] Sundmacher R. **Fortschr Ophthalmol** 1990;87 Suppl:S206-14 (51 ref.) (Eng. Abstr.) **(Ger)**

CORNEAL DYSTROPHIES, HEREDITARY

GENETICS

[Familial form of gelatin drop corneal dystrophy] el Matri L, et al. **J Fr Ophtalmol** 1991;14(2):125-9 (13 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Granular corneal dystrophy Groenouw type I. Clinical and genetic aspects. Møller HU. **Acta Ophthalmol Suppl (Copenh)** 1991;(198):1-40 (401 ref.)
[Peripheral vitelliform lesions in vitelliform macular dystrophy] Laloum JE, et al. **J Fr Ophtalmol** 1991; 14(2):74-8 (26 ref.) (Eng. Abstr.) **(Fre)**

CORNEAL ENDOTHELIUM see **ENDOTHELIUM, CORNEAL**

CORNEAL STROMA

Varicella disciform stromal keratitis. Wilhelmus KR, et al. **Am J Ophthalmol** 1991 May 15;111(5):575-80 (50 ref.)

CORNEAL TRANSPLANTATION

Current status of synthetic epikeratoplasty. Thompson KP, et al. **Refract Corneal Surg** 1991 May-Jun;7(3):240-8 (41 ref.)

ADVERSE EFFECTS

[Astigmatism in corneal graft. Prevention and treatment] Riss I. **J Fr Ophtalmol** 1991;14(1):36-45 (51 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Corneal allograft rejection. Friedlander MH. **Refract Corneal Surg** 1991 Jan-Feb;7(1):70-2 (11 ref.)

METHODS

Mechanical modulation of the corneal surface. Bores LD. **Int Ophthalmol Clin** 1991 Winter;31(1):25-36 (13 ref.)
Refractive keratoplasty with synthetic lens implants. McCarey BE. **Int Ophthalmol Clin** 1991 Winter;31(1):87-99 (23 ref.)
Keratomileusis. Nordan LT. **Int Ophthalmol Clin** 1991 Winter;31(1):7-12 (16 ref.)
Radial thermokeratoplasty. Schachar RA. **Int Ophthalmol Clin** 1991 Winter;31(1):47-57 (11 ref.)
Statement of epikeratoplasty. The Board of Directors of the International Society of Refractive Keratoplasty. **Refract Corneal Surg** 1989 Jan-Feb;5(1):33-8 (53 ref.)

Update on epikeratoplasty. Fouraker BD, et al. **Refract Corneal Surg** 1991 Jan–Feb;7(1):57–9 (16 ref.)
Lans lecture. Lamellar refractive surgery: where have we been and where are we going? Werblin TP. **Refract Corneal Surg** 1989 May–Jun;5(3):167–76 (19 ref.)
[Epikeratoplasty] Colin J. **Bull Soc Belge Ophtalmol** 1989; 233:95–108 (47 ref.) **(Fre)**
[Keratomileusis in myopia] Saragoussi JJ, et al. **Bull Soc Belge Ophtalmol** 1989;233:67–94 (34 ref.) **(Fre)**
[Endothelial protection in surgical interventions and corneal donor tissue] Hartmann C. **Fortschr Ophthalmol** 1990;87 Suppl:S198–205 (48 ref.) (Eng. Abstr.) **(Ger)**
[Keratoplasty. Progress and distant goals] Sundmacher R. **Fortschr Ophthalmol** 1990;87 Suppl:S206–14 (51 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Limbal transplantation for ocular surface reconstruction--a review. Tseng SC, et al. **Fortschr Ophthalmol** 1991; 88(3):236–42 (29 ref.)

TRENDS

[Surgery in myopia. Future perspectives] Marechal-Courtois C. **Bull Soc Belge Ophtalmol** 1989;233:139–63 (59 ref.) **(Fre)**

CORNEAL ULCER

DRUG THERAPY

Therapeutic administration of fibronectin: current uses and potential applications. Yoder MC. **Clin Perinatol** 1991 Jun; 18(2):325–41 (67 ref.)
Penicillamine in corneal ulceration. Wright P, et al. **Proc R Soc Med** 1977;70 Suppl 3:80–1 (5 ref.)

CORONARY ANEURYSM

[Coronary artery aneurysms] Shehadeh H, et al. **Harefuah** 1991 Jan 1;120(1):32–4 (18 ref.) **(Heb)**

COMPLICATIONS

Left main coronary artery aneurysm in association with severe atherosclerosis: a case report and review of the literature. Lenihan DJ, et al. **Cathet Cardiovasc Diagn** 1991 May;23(1):28–31 (12 ref.)
[Spontaneous dissecting coronary hematoma (aneurysm) and sudden death] Cocco P, et al. **G Ital Cardiol** 1990 Sep; 20(9):795–800 (65 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Coronary artery aneurysms--a case study and literature review. Wright WP, et al. **Angiology** 1991 Aug;42(8):672–9 (87 ref.)

CORONARY ANGIOPLASTY, TRANSLUMINAL BALLOON see **ANGIOPLASTY, TRANSLUMINAL, PERCUTANEOUS CORONARY**

CORONARY ARTERIOSCLEROSIS

BLOOD

Thrombogenesis and inhibition of platelet aggregation. Experimental aspects and future approaches. Badimon L, et al. **Z Kardiol** 1990;79 Suppl 3:133–45 (117 ref.)
[Peripheral remnant metabolism] Schmitz G, et al. **Klin Wochenschr** 1990;68 Suppl 22:32–7 (18 ref.) (Eng. Abstr.) **(Ger)**
[The biochemical risk factors of coronary atherosclerosis] Titov VN. **Ter Arkh** 1991;63(4):141–4 (40 ref.) **(Rus)**

CHEMICALLY INDUCED

[Influence of alcohol on plasma lipids and atherogenesis. Epidemiological and biochemical aspects] Ghalim N, et al. **Presse Med** 1991 Mar 23;20(11):507–12 (25 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Left main coronary artery aneurysm in association with severe atherosclerosis: a case report and review of the literature. Lenihan DJ, et al. **Cathet Cardiovasc Diagn** 1991 May;23(1):28–31 (12 ref.)
Nonischemic sudden tachyarrhythmic death in atherosclerotic heart disease. Meissner MD, et al. **Circulation** 1991 Aug;84(2):905–12 (126 ref.)
Carotid and coronary atherosclerosis. What are the connections? Crouse JR 3d. **Postgrad Med** 1991 Sep 1; 90(3):175–9 (25 ref.)
[Combined forms of arteriosclerotic lesions of the coronary and major arteries: characteristics of their diagnosis and treatment] Karpov RS. **Klin Med (Mosk)** 1991 Jan; 69(1):8–12 (48 ref.) **(Rus)**

DIAGNOSIS

[Optimization of noninvasive tests in the diagnosis of coronary insufficiency] Jorge Filho JP. **Arq Bras Cardiol** 1990 Oct;55(4):255–61 (38 ref.) **(Por)**

DRUG THERAPY

Anti-atherosclerotic and vasculoprotective actions of calcium antagonists. Ram CV. **Am J Cardiol** 1990 Dec 18; 66(21):29I–32I (18 ref.)
Bimodal presentation of the clinical syndromes of coronary atherosclerosis: a review. Commerford PJ. **Cardiovasc Drugs Ther** 1988 Mar;1(6):671–6 (33 ref.)
Coronary atherosclerosis: current therapeutic approaches and future trends. DeFeudis FV. **Life Sci** 1991;49(10):689–705 (125 ref.)

ETIOLOGY

Relation between lipids and atherosclerosis: epidemiologic evidence and clinical implications. Zemel PC, et al. **Am J Cardiol** 1990 Dec 18;66(21):7I–12I (35 ref.)
Implications of childhood hypercholesterolemia. Garcia RE, et al. **Cleve Clin J Med** 1990 Nov–Dec;57(8):715–20 (62 ref.)
[Is sugar involved in the development of cardiovascular diseases?] Wolfram G. **Z Ernahrungswiss** 1990;29 Suppl 1:35–8 (19 ref.) (Eng. Abstr.) **(Ger)**

MORTALITY

[Disorders of lipid metabolism and insurance medicine practice] Mayer-Ohly E. **Versicherungsmedizin** 1991 Jun 1;43(3):65–71 (49 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Effects of cigarette smoking on coronary vascular dynamics: relationship to coronary atherosclerosis. Klein LW, et al. **Adv Exp Med Biol** 1990;273:301–10 (59 ref.)
The heart in fatal unstable angina pectoris. Roberts WC, et al. **Am J Cardiol** 1991 Sep 3;68(7):22B–27B (11 ref.)
Atherogenesis and the coronary arteries of childhood. Davies H. **Int J Cardiol** 1990 Sep;28(3):283–91 (47 ref.)
Pathogenesis of restenosis. A correlation of clinical observations with cellular responses. Haudenschild CC. **Z Kardiol** 1990;79 Suppl 3:17–22 (46 ref.)

PHYSIOPATHOLOGY

Myocardial ischemia: pathogenic role of disturbed vasomotion and endothelial dysfunction in coronary atherosclerosis. Selwyn AP, et al. **Adv Cardiol** 1990; 37:42–52 (41 ref.)
Central adipose distribution is related to coronary atherosclerosis. Thompson CJ, et al. **Arterioscler Thromb** 1991 Mar–Apr;11(2):327–33 (40 ref.)
Endothelial modulation of vascular tone: relevance to coronary angioplasty and restenosis. Harrison DG. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):71B–76B (49 ref.)

PREVENTION & CONTROL

Prevention of restenosis after percutaneous transluminal coronary angioplasty: the search for a "magic bullet". Hermans WR, et al. **Am Heart J** 1991 Jul;122(1 (Pt 1)):171–87 (88 ref.)
Arterial protection: a neglected but crucial therapeutic goal. Kaplan NM. **Am J Cardiol** 1990 Sep 25;66(9):36C–38C (17 ref.)
Extracorporeal LDL cholesterol removal: role of LDL-pheresis in combination with other hypolipidemic therapy to regress vascular disease. Saal SD, et al. **Am J Med** 1989 Nov;87(5N):68N–74N (46 ref.)
Pharmacologic roles of heparin and glucocorticoids to prevent restenosis after coronary angioplasty. Berk BC, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):111B–117B (51 ref.)
[Prevention of obliterating arterial diseases with acetylsalicylic acid] Berge PG, et al. **Med Klin** 1990 Aug 15;85(8):493–8 (47 ref.) **(Ger)**
[Atherosclerosis in the elderly--would the recommendations for preventive measures prove effective?] de Serro-Azul JB, et al. **Arq Bras Cardiol** 1990 Jul;55(1):67–9 (26 ref.) **(Por)**

RADIOGRAPHY

Quantitative coronary angiography to measure progression and regression of coronary atherosclerosis. Value, limitations, and implications for clinical trials. de Feyter PJ, et al. **Circulation** 1991 Jul;84(1):412–23 (84 ref.)
Limitations of coronary angiography: an underestimated problem? Katritsis D, et al. **Clin Cardiol** 1991 Jan;14(1):20–4 (41 ref.)

SURGERY

[Metabolic risk factors in heart surgery] Schwandt P. **Z Kardiol** 1990;79 Suppl 4:59–62 (24 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Restenosis after coronary balloon angioplasty. Lange RA, et al. **Annu Rev Med** 1991;42:127–32 (8 ref.)

ULTRASONOGRAPHY

Characterization of atherosclerotic lesions by intravascular ultrasound: possible role in unstable coronary syndromes and in interventional therapeutic procedures. Keren G, et al. **Am J Cardiol** 1991 Sep 3;68(7):85B–91B (30 ref.)
Intravascular ultrasound guidance for catheter-based coronary interventions. Yock PG, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):39B–45B (38 ref.)
[Visualization of coronary artery obstructions by echocardiography] Gimenes VM, et al. **Arq Bras Cardiol** 1990 Apr;54(4):251–6 (22 ref.) (Eng. Abstr.) **(Por)**

CORONARY ARTERY BYPASS

Silent myocardial ischemia after bypass surgery and percutaneous transluminal coronary angioplasty. Gohlke-Bärwolf C, et al. **Adv Cardiol** 1990;37:288–96 (18 ref.)
Silent myocardial ischemia after coronary artery bypass graft surgery. Kennedy HL. **Adv Cardiol** 1990;37:261–9 (22 ref.)
Prognostic significance of silent myocardial ischemia by exercise testing. Weiner DA. **Adv Cardiol** 1990;37:270–7 (28 ref.)
Dehiscence of the proximal anastomosis of aortocoronary bypass graft. Cujec B, et al. **Am Heart J** 1990 Nov; 120(5):1217–20 (10 ref.)
Coronary artery disease in the octogenarian: angiographic spectrum and suitability for revascularization. Kowalchuk GJ, et al. **Am J Cardiol** 1990 Dec 1;66(19):1319–23 (30 ref.)
Bypass surgery for chronic stable angina: predictors of survival benefit and strategy for patient selection. Nwasokwa ON, et al. **Ann Intern Med** 1991 Jun 15; 114(12):1035–49 (82 ref.)
Long-term results of coronary bypass surgery. Analysis of 1698 patients followed 15 to 20 years. Lawrie GM, et al. **Ann Surg** 1991 May;213(5):377–85; discussion 386–7 (43 ref.)
Early postoperative sternal approximation after ITA harvesting: computed tomographic evaluation. Vanleeuw P, et al. **Ann Thorac Surg** 1991 Sep;52(3):518–22 (16 ref.)
The impact of medical therapy on hemorrhagic complications following coronary artery bypass grafting [see comments] Becker RC, et al. **Arch Intern Med** 1990 Oct; 150(10):2016–21 (66 ref.) Comment in: Arch Intern Med 1991 Jul;151(7):1458, 1462.
Update on percutaneous transluminal coronary angioplasty and CABG. Mews GC. **Aust Fam Physician** 1990 Jul; 19(7):1027–9, 1032, 1035–8 (13 ref.)
Emergency coronary artery bypass surgery following coronary angioplasty--favourable medium term outcome after eight years' experience. Celermajer DS, et al. **Aust N Z J Med** 1991 Apr;21(2):211–6 (18 ref.)
Desirability of immediate surgical standby for coronary angioplasty. Levy RD, et al. **Br Heart J** 1991 Feb; 65(2):68–71 (20 ref.)
Assigning priority to patients requiring coronary revascularization: consensus principles from a panel of cardiologists and cardiac surgeons. Naylor CD, et al. **Can J Cardiol** 1991 Jun;7(5):207–13 (13 ref.)
Coronary bypass surgery for stable angina and unstable angina pectoris. Hammermeister KE, et al. **Cardiol Clin** 1991 Feb;9(1):135–55 (87 ref.)
Antithrombotic therapy in the coronary vein graft patient. Israel DH, et al. **Clin Cardiol** 1991 Apr;14(4):283–95 (76 ref.)
Developing a rational management strategy for angina pectoris after coronary bypass surgery: a clinical decision analysis. Mills RM Jr, et al. **Clin Cardiol** 1991 Mar; 14(3):191–7 (41 ref.)
Antimicrobial prophylaxis in coronary bypass surgery: a critical appraisal. Ariano RE, et al. **DICP** 1991 May; 25(5):478–84 (42 ref.)
Anesthetic management of a hypothyroid cardiac surgical patient. Whitten CW, et al. **J Cardiothorac Vasc Anesth** 1991 Apr;5(2):156–9 (28 ref.)
Changing efficacies of coronary revascularization. Pryor DB. **Trans Assoc Life Insur Med Dir Am** 1991;74:97–110 (29 ref.)
[Simultaneous coronary and carotid surgery: apropos of 73 cases] Van Damme H, et al. **Acta Chir Belg** 1990 Jul–Aug; 90(4):185–96 (82 ref.) (Eng. Abstr.) **(Fre)**
[Anticoagulant or antiplatelet aggregation treatment after aortocoronary bypass] Sagnol P, et al. **Presse Med** 1991 Feb 23;20(7):287–90 (25 ref.) **(Fre)**
[Metabolic risk factors in heart surgery] Schwandt P. **Z Kardiol** 1990;79 Suppl 4:59–62 (24 ref.) (Eng. Abstr.) **(Ger)**
[Coronary revascularization with reduction of serum cholesterol level using LDL apheresis in patient with homozygous familial hypercholesterolemia] Takahashi T, et al. **Kokyu To Junkan** 1990 Sep;38(9):925–30 (14 ref.) (Eng. Abstr.) **(Jpn)**
[Rupture of an infected vein graft in the course of mediastinitis following coronary artery bypass grafting: report of a case] Kohno H, et al. **Kyobu Geka** 1990 Nov; 43(12):996–9 (11 ref.) (Eng. Abstr.) **(Jpn)**
[Aortitis syndrome with aortic regurgitation and bilateral coronary ostial stenosis] Sugimoto T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Apr;39(4):442–6 (15 ref.) (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Large mediastinal mass secondary to an aortocoronary saphenous vein bypass graft aneurysm. Forster DA, et al.

Ann Thorac Surg 1991 Sep;52(3):547–8 (8 ref.)
Squamous cell carcinoma arising in a sternotomy scar. Korula R, et al. **Ann Thorac Surg** 1991 Apr;51(4):667–9 (14 ref.)
Acute mycotic aneurysm of the ascending aorta following aortocoronary bypass: successful repair. Barbie RM, et al. **J Ky Med Assoc** 1991 May;89(5):213–7 (15 ref.)
Stranger in a strange land: the pathogenesis of saphenous vein graft stenosis with emphasis on structural and functional differences between veins and arteries. Cox JL, et al. **Prog Cardiovasc Dis** 1991 Jul–Aug;34(1):45–68 (249 ref.)
[Sternal osteitis and mediastinitis after coronary artery bypass graft surgery] Detroz B, et al. **Ann Chir** 1991;45(2):128–35 (35 ref.) (Eng. Abstr.) **(Fre)**

CONTRAINDICATIONS

[Extracardiac risk factors in heart surgery—the kidney] Grabensee B, et al. **Z Kardiol** 1990;79 Suppl 4:47–57 (49 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Emergency aortocoronary bypass after failed angioplasty. Greene MA, et al. **Ann Thorac Surg** 1991 Feb;51(2):194–9 (24 ref.)
Technical considerations in aortocoronary bypass grafting. Dresdale AR, et al. **Biomed Pharmacother** 1990; 44(7):359–64 (69 ref.)
Long-term clinical results after coronary artery bypass surgery. Bourassa MG. **Cardiovasc Clin** 1991;21(2):101–21 (58 ref.)
Left ventricular function after coronary bypass surgery. Bourassa MG. **Cardiovasc Clin** 1991;21(2):227–37 (49 ref.)
Changes in grafts and in coronary arteries after coronary bypass surgery. Bourassa MG, et al. **Cardiovasc Clin** 1991; 21(2):83–100 (77 ref.)
Coronary risk factors and the postbypass patient. Campeau L. **Cardiovasc Clin** 1991;21(2):123–33 (57 ref.)
Platelets and thrombosis in vein graft occlusion: role and prevention. Lam JY, et al. **Cardiovasc Clin** 1991;21(2):67–81 (82 ref.)
Evaluation of the patient with stable angina following coronary artery bypass surgery. Miller DD. **Cardiovasc Clin** 1991;21(2):137–67 (81 ref.)
Early postoperative care and complications. Pelletier LC, et al. **Cardiovasc Clin** 1991;21(2):3–24 (100 ref.)
Management of arrhythmias in the postbypass patient. Talajic M, et al. **Cardiovasc Clin** 1991;21(2):211–26 (93 ref.)
Unstable angina: special considerations in the postbypass patient. Théroux P, et al. **Cardiovasc Clin** 1991;21(2):169–91 (123 ref.)
Angioplasty of bypass grafts and native arteries. Waters D, et al. **Cardiovasc Clin** 1991;21(2):241–56 (35 ref.)
[Early angiographic assessment of coronary revascularizations using the internal mammary artery. Apropos of a consecutive and prospective series of 180 bypass grafts] Bergeron P, et al. **Ann Chir** 1991;45(2):82–9 (71 ref.) (Eng. Abstr.) **(Fre)**
[Coronary artery bypass using bovine internal mammary artery] Donzeau-Gouge P, et al. **Ann Chir** 1990; 44(8):599–601 (10 ref.) (Eng. Abstr.) **(Fre)**
[Coronary artery bypass with bovine internal mammary artery graft] Donzeau-Gouge P, et al. **Arch Mal Coeur** 1990 Nov;83(12):1811–5 (15 ref.) (Eng. Abstr.) **(Fre)**
[Time factor in surgical treatment of acute myocardial infarction] Astaf'ev VI, et al. **Grud Serdechnososudistaia Khir** 1990;(6):59–61 (54 ref.) **(Rus)**

PSYCHOLOGY

Family protective thinking about cardiac events: nursing interventions to promote maintenance of family health behaviors. Wastlick LA, et al. **Wis Med J** 1991 Jul; 90(7):438–40 (11 ref.)

REHABILITATION

Cardiac rehabilitation after coronary bypass surgery. Juneau M, et al. **Cardiovasc Clin** 1991;21(2):25–42 (118 ref.)

TRENDS

Future implications of current trends in bypass surgery. Lytle BW, et al. **Cardiovasc Clin** 1991;21(2):265–78 (45 ref.)
[Unacceptable long waiting for bypass surgery is frequent. Continuous development of coronary surgery is necessary] Ivert T. **Lakartidningen** 1991 Aug 28;88(35):2754–7 (15 ref.) **(Swe)**

CORONARY ARTERY DISEASE see **CORONARY DISEASE**

CORONARY ARTERY VASOSPASM see **CORONARY VASOSPASM**

CORONARY ATHEROSCLEROSIS see **CORONARY ARTERIOSCLEROSIS**

CORONARY CIRCULATION

Assessment of myocardial perfusion by positron emission tomography. Schwaiger M, et al. **Am J Cardiol** 1991 May 21;67(14):35D–43D (32 ref.)
Neurohumoral regulation of collateral perfusion. Harrison DG, et al. **Circulation** 1991 May;83(5 Suppl):III62–7 (20 ref.)
Pathophysiology of myocardial perfusion in hypertension. Harrison DG, et al. **Circulation** 1991 May;83(5 Suppl):III14–8 (33 ref.)
New perspectives for perfusion imaging in echocardiography. Quiñones A, et al. **Circulation** 1991 May;83(5 Suppl):III104–10 (49 ref.)
Myocardial perfusion by contrast echocardiography. From off-line processing to radio frequency analysis. Rovai D, et al. **Circulation** 1991 May;83(5 Suppl):III97–103 (46 ref.)
Adenosine is a sensitive oxygen sensor in the heart. Schrader J, et al. **Experientia** 1990 Dec 1;46(11–12):1172–5 (16 ref.)
Exercise training and coronary collateral circulation. Franklin BA. **Med Sci Sports Exerc** 1991 Jun;23(6):648–53 (50 ref.)
[The assessment of myocardial perfusion using contrast echocardiography] Berwing K, et al. **Rontgenblatter** 1990 Sep;43(9):377–83 (39 ref.) (Eng. Abstr.) **(Ger)**
[Total occlusion of proximal left main and right coronary artery] Niinami H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Oct; 38(10):2137–42 (13 ref.) (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Effects of anesthetics on the coronary circulation. De Hert S, et al. **Acta Anaesthesiol Belg** 1990;41(4):327–43 (95 ref.)
Effects of calcium channel blockers on the coronary circulation. Cohn PF. **Am J Hypertens** 1990 Dec;3(12 Pt 2):299S–304S (43 ref.)
Prevention of alpha-adrenergic coronary constriction by calcium-antagonists. Heusch G, et al. **Basic Res Cardiol** 1990;85 Suppl 1:219–28 (52 ref.)
Interdependence of pharmacologically-induced and endothelium-mediated coronary vasodilation in antianginal therapy. Bassenge E, et al. **Cardiovasc Drugs Ther** 1988 May;2(1):27–34 (54 ref.)
Endothelial and neuro-humoral control of coronary blood flow in health and disease. Bassenge E, et al. **Rev Physiol Biochem Pharmacol** 1990;116:77–165 (568 ref.)
Coronary dilation with nitrocompounds and calcium antagonists. Jost S, et al. **Z Kardiol** 1990;79 Suppl 3:113–20 (112 ref.)
[Possibilities of ACE inhibitor therapy in acute myocardial ischemia] Ertl G, et al. **Klin Wochenschr** 1991;69 Suppl 24:10–7; discussion 18–9 (46 ref.) (Eng. Abstr.) **(Ger)**
[The collateral coronary circulation and the problem of its pharmacological stimulation] Gatsura VV. **Usp Fiziol Nauk** 1990 Jul–Sep;21(3):19–37 (64 ref.) **(Rus)**

PHYSIOLOGY

Diastolic time: the forgotten dynamic factor. Implications for myocardial perfusion. Boudoulas H. **Acta Cardiol** 1991; 46(1):61–71 (38 ref.)
Pain perception and endogenous pain modulation in angina pectoris. Droste C, et al. **Adv Cardiol** 1990;37:142–64 (66 ref.)
Myocardial ischemia: pathogenic role of disturbed vasomotion and endothelial dysfunction in coronary atherosclerosis. Selwyn AP, et al. **Adv Cardiol** 1990; 37:42–52 (41 ref.)
Neuroendocrine activation in congestive heart failure. Forfar JC. **Am J Cardiol** 1991 May 6;67(12):3C–5C (24 ref.)
Adrenergic control of transmural coronary blood flow. Feigl EO. **Basic Res Cardiol** 1990;85 Suppl 1:167–76 (49 ref.)
Neurohumoral regulation of coronary collateral vasomotor tone. Harrison DG, et al. **Basic Res Cardiol** 1990;85 Suppl 1:121–9 (23 ref.)
Alpha-adrenoceptor subtypes in the coronary circulation. Holtz J. **Basic Res Cardiol** 1990;85 Suppl 1:81–95 (85 ref.)
Alpha 1-adrenergic coronary constriction during exercise and ischemia. Jones CE, et al. **Basic Res Cardiol** 1990;85 Suppl 1:177–92 (51 ref.)
Autonomic nervous system and coronary blood flow changes related to emotional activation and sleep. Verrier RL, et al. **Circulation** 1991 Apr;83(4 Suppl):II81–9 (56 ref.)
Coronary circulation and factors affecting coronary 'steal'. Priebe HJ. **Eur J Anaesthesiol** 1991 May;8(3):177–95 (113 ref.)
Progress and recent topics in blood flow measurements. Kajiya F. **Front Med Biol Eng** 1989;1(4):271–85 (35 ref.)
Regulation of myocardial oxygen delivery. Schremmer B, et al. **Intensive Care Med** 1990;16 Suppl 2:S157–63 (40 ref.)
Controversies in nuclear medicine. Analysis of 201Tl myocardial images. Quantitative 201Tl myocardial perfusion imaging. Maisey MN. **Nucl Med Commun** 1991 Apr;12(4):323–32 (19 ref.)
[Effect of the coronary microvascular system on adenine nucleotide metabolism and subsequent functions of the heart] Nees S, et al. **Internist (Berl)** 1990 Oct;31(10):617–24 (36 ref.) **(Ger)**
[The current status of experimental heart infarct research] Schaper W. **Z Kardiol** 1990 Dec;79(12):811–8 (34 ref.) **(Ger)**
[Blood viscosity and myocardial microcirculation] Kochmański M, et al. **Kardiol Pol** 1990;33(11–2):64–70 (36 ref.) **(Pol)**
[Methods of studying coronary blood flow] Vakhlizaev VD, et al. **Kardiologiia** 1990 Nov;30(11):108–11 (79 ref.) **(Rus)**
[Mechanisms of development of microcirculatory disorders in patients with stable angina pectoris] Atroshchenko ES. **Patol Fiziol Eksp Ter** 1991 Mar–Apr;(2):60–3 (78 ref.) **(Rus)**

CORONARY DISEASE

see related
CORONARY ARTERY BYPASS
MYOCARDIAL REVASCULARIZATION

Silent myocardial ischemia: dilemma or blessing? Grauer K. **Am Fam Physician** 1990 Nov;42(5 Suppl):13S–16S, 21S–28S (51 ref.)
Asymptomatic or silent myocardial ischemia in angina pectoris: pathophysiology and clinical implications. Gottlieb SO. **Cardiol Clin** 1991 Feb;9(1):49–61 (74 ref.)
Evaluation and management of patients with both peripheral vascular and coronary artery disease. Gersh BJ, et al. **J Am Coll Cardiol** 1991 Jul;18(1):203–14 (126 ref.)
Hyperlipidemia: scientific basis and principles of intervention. Pyörälä K. **Rev Port Cardiol** 1990 Nov;9(11):859–67 (19 ref.)
[Blood cholesterol, diet and coronary risk: is the French population protected or threatened? Report of a consensus conference] **Diabete Metab** 1990 Jul–Aug;16(4):334–40; discussion 341–3 (8 ref.) **(Fre)**
[Painless myocardial ischemia (a review of the literature)] Bobrov VA, et al. **Vrach Delo** 1991 Feb;(2):16–23 (62 ref.) **(Rus)**
[Asymptomatic myocardial ischemia] Morales Villegas EC, et al. **Arch Inst Cardiol Mex** 1989 Jan–Feb;59(1):87–96 (109 ref.) (Eng. Abstr.) **(Spa)**

BLOOD

apoB-containing lipoprotein particles as risk factors for coronary artery disease. Alaupovic P, et al. **Adv Exp Med Biol** 1991;285:299–309 (41 ref.)
Plasma triglyceride and coronary heart disease. Austin MA. **Arterioscler Thromb** 1991 Jan–Feb;11(1):2–14 (118 ref.)
The antioxidant hypothesis of cardiovascular disease: epidemiology and mechanisms. Gey KF. **Biochem Soc Trans** 1990 Dec;18(6):1041–5 (73 ref.)
Apolipoproteins and risk of coronary heart disease. Connelly PW. **Can Med Assoc J** 1991 May 15;144(10):1277 (6 ref.)
Lipids, lipoproteins, and coronary heart disease: implications for antihypertensive therapy. Feher MD, et al. **Cardiovasc Drugs Ther** 1989 Jun;3 Suppl 1:333–40 (53 ref.)
The role of lipoproteins and apolipoproteins in prediction of coronary heart disease risk. Breckenridge WC. **Clin Invest Med** 1990 Aug;13(4):196–201 (55 ref.)
Isolated low HDL-cholesterol as an important risk factor for coronary heart disease. Miller M, et al. **Eur Heart J** 1990 Dec;11 Suppl H:9–14 (39 ref.)
Cholesterol and coronary heart disease. Future directions. Grundy SM. **JAMA** 1990 Dec 19;264(23):3053–9 (81 ref.)
Sex hormones and coronary disease: a review of the clinical studies. Kalin MF, et al. **Steroids** 1990 Aug;55(8):330–52 (269 ref.)
The cholesterol controversy: is cholesterol really a risk factor for coronary artery disease? Margolis S. **Trans Assoc Life Insur Med Dir Am** 1991;74:69–77 (0 ref.)
Mechanisms of nitrate tolerance—influence of the metabolic activation pathways. Noack E. **Z Kardiol** 1990;79 Suppl 3:51–5 (32 ref.)
[The role of leukocytes in ischemic heart disease] Arber N, et al. **Harefuah** 1991 Jan 15;120(2):95–7 (28 ref.) **(Heb)**
[Nutritional risk factors for ischemic cardiopathy] Jiménez Cruz A, et al. **Gac Sanit** 1990 Jan–Feb;4(16):29–34 (42 ref.) (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

The cardiotoxicity of thiazide diuretics: review of the evidence. Freis ED. **J Hypertens Suppl** 1990 Jun; 8(2):S23–32 (64 ref.)
Oral contraceptives and coronary heart disease. Wynn V. **J Reprod Med** 1991 Mar;36(3 Suppl):219–25 (62 ref.)
[Contraceptives and ischemic cardiopathy] García-Bolao I, et al. **Rev Med Univ Navarra** 1990 Jul–Sep;34(3):144–50 (87 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Effects of beta-blockade on the incidence of ventricular tachyarrhythmias during acute myocardial ischemia: experimental findings and clinical implications. Haverkamp W, et al. **Basic Res Cardiol** 1990;85 Suppl 1:293–303 (57 ref.)
Preoperative evaluation of the cardiac patient for noncardiac surgery. Barash PG. **Can J Anaesth** 1991 May;38(4 Pt 2):R134–44 (41 ref.) **(Eng, Fre)**
Impact of coronary artery disease on valvular heart surgery. Lytle BW. **Cardiol Clin** 1991 May;9(2):301–14 (57 ref.)
Inflammation in the course of early myocardial ischemia. Entman ML, et al. **FASEB J** 1991 Aug;5(11):2529–37 (80 ref.)
Gallbladder disease and coronary artery disease: is there a link? Dickerman JL. **J Am Osteopath Assoc** 1991 Apr; 91(4):359–61 (10 ref.)
Mitral insufficiency in coronary artery disease. Fishbein MC. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):129–32 (20 ref.)
Surgery for ischemic ventricular tachycardia—operative

techniques and long-term results. Hargrove WC 3d. **Semin Thorac Cardiovasc Surg** 1989 Jul;1(1):83–7 (24 ref.)

[Therapy of the gouty patients with ischemic heart diseases or cerebral vascular diseases] Takeuchi F. **Nippon Rinsho** 1991 May;49(5):1137–43 (20 ref.) **(Jpn)**

[Arrhythmia in acute myocardial ischemia] Tomaszewski R. **Wiad Lek** 1990 Oct 1–15;43(19–20):959–63 (28 ref.) **(Pol)**

[Ischemic mitral insufficiency: its mechanisms and the therapeutic implications] Gherasim L, et al. **Rev Med Interna [Med Interna]** 1990 Jan–Feb;42(1):15–24 (35 ref.) **(Rum)**

[Associated atherosclerotic lesions of the coronary and brachiocephalic arteries] Belov IuV, et al. **Kardiologiia** 1991 Apr;31(4):89–92 (66 ref.) **(Rus)**

DIAGNOSIS

Diabetes mellitus and silent myocardial ischemia. Alpert JS, et al. **Adv Cardiol** 1990;37:297–303 (27 ref.)

Variability of myocardial ischemia: implications for monitoring strategies. Deanfield JE, et al. **Adv Cardiol** 1990; 37:176–86 (19 ref.)

Silent myocardial ischemia after coronary artery bypass graft surgery. Kennedy HL. **Adv Cardiol** 1990;37:261–9 (22 ref.)

Real-time digital monitoring: current capabilities and future role. Raby KE, et al. **Adv Cardiol** 1990;37:96–104 (19 ref.)

The prognosis of individuals with silent myocardial ischemia. Schlant RC. **Adv Cardiol** 1990;37:187–201 (66 ref.)

Ambulatory monitoring and silent myocardial ischemia: have the basics been done? Swan HJ. **Adv Cardiol** 1990;37:67–75 (17 ref.)

Ambulatory monitoring of left ventricular function: a new modality for assessing silent myocardial ischemia. Zaret BL, et al. **Adv Cardiol** 1990;37:105–16 (18 ref.)

Magnetic resonance imaging: a new approach for evaluating coronary artery disease? van der Wall EE, et al. **Am Heart J** 1991 Apr;121(4 (Pt 1)):1203–20 (134 ref.)

Myocardial perfusion scintigraphy as an aid in understanding electrocardiographic changes of ischemia and infarction. Zaret BL, et al. **Ann N Y Acad Sci** 1990;601:107–18 (38 ref.)

Functional tests for myocardial ischemia. Levinson JR, et al. **Annu Rev Med** 1991;42:119–26 (22 ref.)

Dipyridamole–echocardiography test: a new tool for the diagnosis of coronary artery disease. Picano E, et al. **Arq Bras Cardiol** 1990 Mar;54(3):179–87 (61 ref.)

Silent ischemia: a relevant problem in patients with coronary artery disease? Rutishauser W, et al. **Cardiovasc Drugs Ther** 1988 May;2(1):61–5 (20 ref.)

Initial electrocardiogram in patients with suspected ischemic chest pain. Schweitzer P. **Chest** 1990 Nov;98(5):1226–32 (49 ref.)

Stress testing in the period after infarction. Bolognese L, et al. **Circulation** 1991 May;83(5 Suppl):III32–7 (47 ref.)

Dipyridamole echocardiography. A new diagnostic window on coronary artery disease. Picano E, et al. **Circulation** 1991 May;83(5 Suppl):III19–26 (67 ref.)

Prognostic impact of stress testing in coronary artery disease. Severi S, et al. **Circulation** 1991 May;83(5 Suppl):III82–8 (47 ref.)

Magnetic resonance imaging of the heart: perfusion, function, and structure. de Roos A, et al. **Curr Opin Radiol** 1991 Aug;3(4):525–32 (40 ref.)

Profile of coronary artery disease in Indian women: correlation of clinical, non invasive and coronary angiographic findings. Dave TH, et al. **Indian Heart J** 1991 Jan–Feb;43(1):25–9 (24 ref.)

Pharmacologic stress imaging. Beller GA. **JAMA** 1991 Feb 6;265(5):633–8 (69 ref.)

Stress testing: optimal use of the various modalities of stress testing in the diagnosis of coronary artery disease. Baltazar RF. **Md Med J** 1991 Jun;40(6):501–11 (106 ref.)

Silent myocardial ischaemia. Nunn C, et al. **N Z Med J** 1990 Oct 24;103(900):504–5 (31 ref.)

Clinical assessment of coronary disease. Wilcox I, et al. **P N G Med J** 1990 Dec;33(4):301–15 (16 ref.)

Advances in noninvasive detection of CAD. Kahn JK. **Postgrad Med** 1991 Apr;89(5):149–50, 155, 158 (10 ref.)

Assessment of stable ischemic heart disease. Which tests are best for which patients? Lavie CJ, et al. **Postgrad Med** 1991 Jan;89(1):44–50, 57–60, 63 (30 ref.)

In vivo electrophysiological detection of myocardial ischemia through monophasic action potential recording. Mohabir R, et al. **Prog Cardiovasc Dis** 1991 Jul–Aug;34(1):15–28 (46 ref.)

Exercise testing and training in patients with peripheral vascular disease and lower extremity amputation. Priebe M, et al. **West J Med** 1991 May;154(5):598–601 (22 ref.)

Silent ischemia, its clinical importance as seen in 1989. Lichtlen PR, et al. **Z Kardiol** 1990;79 Suppl 3:23–9 (61 ref.)

[Advances in the uses of monoclonal antibodies in the field of cardiovascular system] Wang SQ, et al. **Chung Hua Nei Ko Tsa Chih** 1990 Dec;29(12):749–51 (21 ref.) **(Chi)**

[Diagnosis of coronary disease: current aspects] Mannebach H, et al. **Dtsch Med Wochenschr** 1991 Aug 16; 116(33):1241–6 (28 ref.) **(Ger)**

[Silent myocardial ischemia] von Arnim T. **Internist (Berl)** 1990 Oct;31(10):657–61 (13 ref.) **(Ger)**

[Radiologic methods in cases of coronary heart disease: diagnostic requirements from the cardiology point of view] Hamm CW. **Rontgenblatter** 1990 Sep;43(9):367–9 (13 ref.) (Eng. Abstr.) **(Ger)**

[Computed tomography and magnetic resonance tomography in cases of coronary heart disease] Lackner K, et al. **Rontgenblatter** 1990 Sep;43(9):391–7 (14 ref.) (Eng. Abstr.) **(Ger)**

[Clinical value of monophasic action potentials] Franz MR. **Z Kardiol** 1991 Apr;80(4):241–9 (51 ref.) (Eng. Abstr.) **(Ger)**

[Detection of cardiac risk in hypertensive patients with left heart hypertrophy] Schulte KL, et al. **Z Kardiol** 1991;80 Suppl 1:37–40 (38 ref.) (Eng. Abstr.) **(Ger)**

[Clinical value of body surface mapping in the diagnosis of ischemic heart disease] Préda I, et al. **Orv Hetil** 1991 May 12;132(19):1019–26 (33 ref.) (Eng. Abstr.) **(Hun)**

[Low-level chemoluminescence as a marker of ischemic myocardial damage] Török B, et al. **Orv Hetil** 1991 Apr 14;132(15):815–7 (15 ref.) (Eng. Abstr.) **(Hun)**

[Dipyridamole stress test] Yasui S, et al. **Kokyu To Junkan** 1990 Oct;38(10):971–80 (105 ref.) **(Jpn)**

[Diagnosis and therapy of coronary diseases] Mizuno Y. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):438–42 (7 ref.) **(Jpn)**

[Latent ischemic heart disease] Sterkowicz S. **Pol Tyg Lek** 1990 Mar 5–12;45(10–11):230–1 (18 ref.) **(Pol)**

[Bayesian analysis of ergometry test] de Brito AH. **Arq Bras Cardiol** 1991 Feb;56(2):97–103 (48 ref.) **(Por)**

[Optimization of noninvasive tests in the diagnosis of coronary insufficiency] Jorge Filho JP. **Arq Bras Cardiol** 1990 Oct;55(4):255–61 (38 ref.) **(Por)**

[Silent myocardial ischemia] Ionescu V. **Rev Med Interna [Med Interna]** 1990 Mar–Apr;42(2):145–52 (22 ref.) **(Rum)**

[The biochemical diagnosis of ischemic heart disease (review of the literature)] Shepotinovskiĭ VI, et al. **Lab Delo** 1990; (9):12–6 (32 ref.) **(Rus)**

[Programmed electric stimulation of the ventricles in the assessment of electric instability of the myocardium in patients with ischemic heart disease] Kaĭk Iu, et al. **Ter Arkh** 1991;63(1):129–33 (86 ref.) **(Rus)**

[The current problems of ischemic heart disease] Ivashkin VT, et al. **Voen Med Zh** 1991 Feb;(2):50–5 (7 ref.) **(Rus)**

DIET THERAPY

Polyunsaturates, endogenous eicosanoids, and cardiovascular disease. Knapp HR. **J Am Coll Nutr** 1990 Aug;9(4):344–51 (63 ref.)

DRUG THERAPY

Allopurinol in ischemia–reperfusion injury of heart. Emerit I, et al. **Adv Exp Med Biol** 1990;264:367–72 (37 ref.)

Effect of beta-adrenergic blocking agents on the circadian occurrence of ischemic cardiovascular events. Goldstein S. **Am J Cardiol** 1990 Nov 6;66(16):63G–65G (26 ref.)

Cardioprotective effects of amlodipine on ischemia and reperfusion in two experimental models. Hoff PT, et al. **Am J Cardiol** 1990 Nov 20;66(18):10H–16H (50 ref.)

Fibrinolytic therapy in coronary artery disease. Gill JB, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):745–79 (113 ref.)

Antithrombotic therapy for coronary artery disease and valvular heart disease. Israel DH, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):705–43 (121 ref.)

Molsidomine. Reden J. **Blood Vessels** 1990;27(2–5):282–94 (34 ref.)

Seminars in thrombosis, thrombolysis, and vascular biology. Part 2: Coagulation and thrombosis. Becker RC. **Cardiology** 1991;78(3):257–66 (60 ref.)

Indications for treatment of silent myocardial ischemia. Cohn PF. **Cardiovasc Drugs Ther** 1988 May;2(1):67–9 (17 ref.)

Properties of labetalol, a combined alpha- and beta-blocking agent, relevant to the treatment of myocardial ischemia. Frishman WH. **Cardiovasc Drugs Ther** 1988 Sep;2(3):343–53 (102 ref.)

KT-362 related effects on intracellular calcium release and associated clinical potential: arrhythmias, myocardial ischemia, and hypertension. Hester RK, et al. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1345–54 (32 ref.)

ACE inhibitors for the treatment of myocardial ischemia? Linder C, et al. **Cardiovasc Drugs Ther** 1990 Oct; 4(5):1375–84 (100 ref.)

Bepridil: a pharmacological reappraisal of its potential beneficial effects in angina and tissue protection following ischemia. Massingham R, et al. **Cardiovasc Drugs Ther** 1989 Oct;3(5):731–42 (78 ref.)

Rationale for treatment of silent myocardial ischemia: focus on nifedipine. Nesto RW. **Cardiovasc Drugs Ther** 1990 Aug; 4 Suppl 5:929–34 (37 ref.)

Calcium channel antagonists. Part II: Use and comparative properties of the three prototypical calcium antagonists in ischemic heart disease, including recommendations based on an analysis of 41 trials. Opie LH. **Cardiovasc Drugs Ther** 1988 Jan;1(5):461–91 (186 ref.)

Pharmacological mechanisms to attenuate sympathetically induced myocardial ischemia. Schulz R, et al. **Cardiovasc Drugs Ther** 1989 Mar;3(1):43–56 (90 ref.)

Role of calcium channel blockers in experimental exercise-induced ischemia. Thaulow E, et al. **Cardiovasc Drugs Ther** 1988 Jan;1(5):503–12 (60 ref.)

The current role of platelet-active drugs in ischaemic heart disease. Kerins DM, et al. **Drugs** 1991 May;41(5):665–71 (49 ref.)

Ticlopidine. An updated review of its pharmacology and therapeutic use in platelet-dependent disorders [published erratum appears in Drugs 1990 Oct;40(4):following Table of Contents] McTavish D, et al. **Drugs** 1990 Aug; 40(2):238–59 (122 ref.)

Why use a nitrate in 1990? Conti CR. **Eur Heart J** 1991 May; 12 Suppl A:2–4 (2 ref.)

Superoxide dismutase therapy for myocardial ischemia. Downey JM, et al. **Free Radic Res Commun** 1991;12–13 Pt 2:703–20 (73 ref.)

Calcium antagonists and coronary artery disease: an opportunity missed? Curtis MJ. **J Neural Transm Suppl** 1990;31:17–38 (74 ref.)

ACE inhibitors in myocardial ischaemia. Ayres RW, et al. **Med J Aust** 1991 Feb 4;154(3):159–60 (24 ref.)

Cardioprotective effects of defibrotide: a minireview. Pescador R, et al. **Semin Thromb Hemost** 1991;17 Suppl 1:96–100 (37 ref.)

Anti-thrombotic drugs in the treatment of coronary heart disease: the present situation with aspirin. Born GV. **Z Kardiol** 1990;79 Suppl 3:147–50 (8 ref.)

Coronary dilation with nitrocompounds and calcium antagonists. Jost S, et al. **Z Kardiol** 1990;79 Suppl 3:113–20 (112 ref.)

Pharmacological and clinical aspects of drug therapy in coronary heart disease: clinical aspects of therapy with beta-adrenoceptor antagonists. Prichard BN. **Z Kardiol** 1990;79 Suppl 3:99–103 (48 ref.)

Nitrate therapy in patients with coronary artery disease—preparations and doses with and without development of tolerance. Rudolph W, et al. **Z Kardiol** 1990;79 Suppl 3:57–65 (22 ref.)

Experimental and clinical pharmacology of carvedilol and other drugs combining vasodilation and beta-adrenoceptor antagonism in a single molecule. Strein K, et al. **Z Kardiol** 1990;79 Suppl 3:89–98 (15 ref.)

[Aspirin in ischemic heart disease] Penkov N, et al. **Vutr Boles** 1990;29(4):12–7 (0 ref.) **(Bul)**

[The use of antioxidants in treating ischemic heart disease] Tsanova V, et al. **Vutr Boles** 1990;29(5):22–8 (0 ref.) **(Bul)**

[Clinical and experimental study of garlic in preventing and treating cardiovascular diseases] Cheng W. **Chung Hsi I Chieh Ho Tsa Chih** 1990 Oct;10(10):635–7, 640 (37 ref.) **(Chi)**

[The therapy of coronary heart disease. The current aspects] Mannebach H, et al. **Dtsch Med Wochenschr** 1991 Aug 23;116(34):1281–4 (22 ref.) **(Ger)**

[Possibilities of ACE inhibitor therapy in acute myocardial ischemia] Ertl G, et al. **Klin Wochenschr** 1991;69 Suppl 24:10–7; discussion 18–9 (46 ref.) (Eng. Abstr.) **(Ger)**

[Anti-angina therapy of coronary heart disease. Mono- or combination treatment] Kurz T, et al. **Z Kardiol** 1991 May; 80(5):305–16 (98 ref.) (Eng. Abstr.) **(Ger)**

[Anticoagulants and antiaggregants in ischemic heart disease] Motolese M. **G Ital Cardiol** 1990 Aug;20(8):746–57 (73 ref.) **(Ita)**

[Nitrate tolerance. Characteristics, determinant factors and preventive procedures] Décourt LV. **Arq Bras Cardiol** 1991 Jan;56(1):9–18 (62 ref.) **(Por)**

[The prospects for the pharmacological correction of the microcirculatory disorders in patients with chronic ischemic heart disease] Atroshchenko ES. **Farmakol Toksikol** 1991 Mar–Apr;54(2):34–8 (97 ref.) (Eng. Abstr.) **(Rus)**

ECONOMICS

The economics of cholesterol lowering. Reckless JP. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):947–72 (90 ref.)

EPIDEMIOLOGY

Health in central Europe. Gutzwiller F. **Ann Nutr Metab** 1991;35 Suppl 1:64–8 (7 ref.)

Assigning priority to patients requiring coronary revascularization: consensus principles from a panel of cardiologists and cardiac surgeons. Naylor CD, et al. **Can J Cardiol** 1991 Jun;7(5):207–13 (13 ref.)

Coronary artery disease in blacks: past perspectives and current overview. Curry CL, et al. **Cardiovasc Clin** 1991; 21(3):197–204 (37 ref.)

Predictors of coronary heart disease in blacks. Keil JE, et al. **Cardiovasc Clin** 1991;21(3):227–39 (34 ref.)

Risk factors and the natural history of coronary heart disease in blacks. Lewis CE, et al. **Cardiovasc Clin** 1991;21(3):29–45 (138 ref.)

HDL and atherosclerosis: an update. Gwynne JT. **Clin Cardiol** 1991 Feb;14(2 Suppl 1):I17–24 (75 ref.)

Lp(a) as a marker for coronary heart disease risk. Scanu AM. **Clin Cardiol** 1991 Feb;14(2 Suppl 1):I35–9 (23 ref.)

International trends in coronary heart disease mortality, morbidity, and risk factors. Beaglehole R. **Epidemiol Rev** 1990;12:1–15 (78 ref.)

The Brisighella Heart Study: an interim report. Descovich GC. **Eur Heart J** 1990 Dec;11 Suppl H:32–7 (15 ref.)

A review of the relationship between coffee consumption and coronary heart disease. Christensen L, et al. **J Community Health** 1990 Dec;15(6):391–408 (36 ref.)

Antiestrogen chemoprevention of breast cancer: critical

issues and research. Love RR. **Prev Med** 1991 Jan; 20(1):64–78 (94 ref.)
The role of cold in ischaemic heart disease: a review. Lloyd EL. **Public Health** 1991 May;105(3):205–15 (106 ref.)
[Frequency of painless myocardial ischemia during hemodialysis in 50 patients with chronic kidney failure] Pochmalicki G, et al. **Arch Mal Coeur** 1990 Oct; 83(11):1671–5 (28 ref.) (Eng. Abstr.) **(Fre)**

ETHNOLOGY

Coronary heart disease: black–white differences. Cooper RS, et al. **Cardiovasc Clin** 1991;21(3):205–25 (40 ref.)
Westernisation, insulin resistance and diabetes in Australian aborigines. O'Dea K. **Med J Aust** 1991 Aug 19; 155(4):258–64 (55 ref.)

ETIOLOGY

Cigarette smoking and coronary artery disease. Colditz GA. **Adv Exp Med Biol** 1990;273:311–26 (59 ref.)
Cigarette smoking as a risk factor for coronary artery disease. Weintraub WS. **Adv Exp Med Biol** 1990;273:27–37 (45 ref.)
Insulin resistance and compensatory hyperinsulinemia: role in hypertension, dyslipidemia, and coronary heart disease. Reaven GM. **Am Heart J** 1991 Apr;121(4 (Pt 2)):1283–8 (71 ref.)
A rare complication of percutaneous transluminal coronary angioplasty—left main disease. Vardhan IN, et al. **Am Heart J** 1991 Mar;121(3 (Pt 1)):902–5 (11 ref.)
The hypertriglyceridemias: risk and management. Introduction. Assmann G, et al. **Am J Cardiol** 1991 Jul 24;68(3):1A–4A (35 ref.)
The hypertriglyceridemias: Risk and management. Epidemiology. Austin MA, et al. **Am J Cardiol** 1991 Jul 24;68(3):22A–25A (72 ref.)
Intimal disruption and coronary thrombosis: its role in the pathogenesis of human coronary disease. Forrester J. **Am J Cardiol** 1991 Sep 3;68(7):69B–77B (50 ref.)
Introduction: nutritional aspects of palm oil. Cottrell RC. **Am J Clin Nutr** 1991 Apr;53(4 Suppl):989S–1009S (139 ref.)
Diet, smoking, and alcohol: influence on coronary heart disease risk. Castelli WP. **Am J Kidney Dis** 1990 Oct;16(4 Suppl 1):41–6 (38 ref.)
Epidemiologic and clinical aspects of insulin resistance and hyperinsulinemia. Flack JM, et al. **Am J Med** 1991 Jul 18; 91(1A):11S–21S (76 ref.)
Update on the pathogenesis of atherosclerosis. Wissler RW. **Am J Med** 1991 Jul 31;91(1B):3S–9S (29 ref.)
High blood cholesterol in elderly men and the excess risk for coronary heart disease. Rubin SM, et al. **Ann Intern Med** 1990 Dec 15;113(12):916–20 (38 ref.)
Methodological considerations on intra- versus interpopulation correlation studies. de Backer G. **Ann Nutr Metab** 1991;35 Suppl 1:84–8 (8 ref.)
Initiating events of acute coronary arterial occlusion. Forrester JS, et al. **Annu Rev Med** 1991;42:35–45 (9 ref.)
Childhood precursors of high blood pressure and elevated cholesterol. Labarthe DR, et al. **Annu Rev Public Health** 1991;12:519–41 (70 ref.)
Hypertriglyceridaemia, triglyceride-rich lipoproteins and coronary heart disease. Hamsten A. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):895–922 (222 ref.)
Hyperlipidaemia and hypertension. Krone W, et al. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):833–50 (90 ref.)
The lipid hypothesis. Gotto AM Jr. **Beitr Infusionther** 1988; 23:1–7 (16 ref.)
Smoking, antioxidants, essential fatty acids and coronary heart disease. Duthie GG, et al. **Biochem Soc Trans** 1990 Dec;18(6):1051–4 (33 ref.)
Introduction: lipids and coronary disease—resolved and unresolved problems. Oliver MF. **Br Med Bull** 1990 Oct; 46(4):865–72 (0 ref.)
Cholesterol as a risk factor for coronary heart disease. Tunstall-Pedoe H, et al. **Br Med Bull** 1990 Oct; 46(4):1075–87 (24 ref.)
Coronary angioplasty following cardiac transplantation: a case report and review of the literature. Prewitt KC, et al. **Cathet Cardiovasc Diagn** 1991 Jan;22(1):25–7 (11 ref.)
Metabolic markers of stress-induced myocardial ischemia. Camici P, et al. **Circulation** 1991 May;83(5 Suppl):III8–13 (22 ref.)
Review of clinical trials: proving the lipid hypothesis. Brown WV. **Eur Heart J** 1990 Dec;11 Suppl H:15–20 (11 ref.)
The triglyceride controversy: a review of the data. Schwandt P. **Eur Heart J** 1990 Dec;11 Suppl H:38–43 (33 ref.)
Hypertension and coronary artery disease. Can the chain be broken? Dunn FG, et al. **Hypertension** 1991 Sep;18(3 Suppl):I126–32 (74 ref.)
Restenosis after coronary angioplasty: an overview. Califf RM, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):2B–13B (79 ref.)
The role of platelets, thrombin and hyperplasia in restenosis after coronary angioplasty. Ip JH, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):77B–88B (107 ref.)
Diabetes and coronary artery disease: what a coincidence? Pyörälä K. **J Cardiovasc Pharmacol** 1990;16 Suppl 9:S8–14 (27 ref.)
Is baldness a risk factor for coronary artery disease? A review of the literature. Herrera CR, et al. **J Clin Epidemiol** 1990; 43(11):1255–60 (20 ref.)
Mechanisms of acute ischemic contractile failure of the heart. Role of intracellular calcium. Lee JA, et al. **J Clin Invest** 1991 Aug;88(2):361–7 (62 ref.)
Diabetes and coronary heart disease: the role of hyperlipidemia. Betteridge DJ. **J Diabetic Complications** 1990 Apr–Jun;4(2):53–6 (31 ref.)
Relationship between Type A personality and coronary heart disease. Analysis of five cohort studies. Schwalbe FC. **J Fla Med Assoc** 1990 Sep;77(9):803–5 (7 ref.)
Estrogen and coronary heart disease in women. Barrett-Connor E, et al. **JAMA** 1991 Apr 10; 265(14):1861–7 (91 ref.)
Diet–disease relationships: public health perspectives. Evers S. **Prog Food Nutr Sci** 1991;15(1–2):61–83 (65 ref.)
Western diet and Western diseases: some hormonal and biochemical mechanisms and associations. Adlercreutz H. **Scand J Clin Lab Invest Suppl** 1990;201:3–23 (166 ref.)
Accelerated transplant coronary artery disease. Gao SZ, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):241–9 (57 ref.)
The Jeremiah Metzger lecture. Participation of eicosanoids in the syndromes of myocardial ischemia. Oates JA. **Trans Am Clin Climatol Assoc** 1989;101:154–60 (37 ref.)
Moderate alcohol use and coronary heart disease: a U-shaped curve? Veenstra J. **World Rev Nutr Diet** 1991;65:38–71 (166 ref.)
[A reevaluation of risk factors of coronary disease] de Lorgeril M, et al. **Arch Mal Coeur** 1990 Aug;83(9):1449–54 (41 ref.) **(Fre)**
[Coronary artery–right ventricular fistula in a patient with heart transplantation. A complication of endomyocardial biopsy] Lefèvre T, et al. **Arch Mal Coeur** 1990 Oct; 83(11):1713–8 (10 ref.) (Eng. Abstr.) **(Fre)**
[Functional coronary insufficiency in pheochromocytoma. Contribution of isotopic tests. A case report] Stecken F, et al. **Arch Mal Coeur** 1990 Sep;83(10):1607–11 (10 ref.) (Eng. Abstr.) **(Fre)**
[Transient myocardial ischemia and isolated congenital mitral valve prolapse in an infant] Guthmann JP, et al. **Arch Mal Coeur Vaiss** 1991 May;84(5):735–8 (10 ref.) (Eng. Abstr.) **(Fre)**
[Ostial stenosis of the left main coronary artery after mediastinal radiotherapy. Apropos of a case] Pillière R, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):869–72 (10 ref.) (Eng. Abstr.) **(Fre)**
[Coronary effects of left ventricular hypertrophy associated with hypertension] Trimarco B, et al. **Arch Mal Coeur Vaiss** 1990 Dec;83 Spec No 4:63–6 (27 ref.) (Eng. Abstr.) **(Fre)**
[Sleep-related respiratory disorders and coronary heart disease] Koehler U, et al. **Pneumologie** 1991 May;45 Suppl 1:253–8 (20 ref.) (Eng. Abstr.) **(Ger)**
[Hypertension: risk factor—need for treatment?] Kochsiek K, et al. **Verh Dtsch Ges Inn Med** 1990;96:67–77 (21 ref.) **(Ger)**
[Is sugar involved in the development of cardiovascular diseases?] Wolfram G. **Z Ernahrungswiss** 1990;29 Suppl 1:35–8 (19 ref.) (Eng. Abstr.) **(Ger)**
[Psychosocial risk factors of ischemic heart disease] Wrześniewski K. **Przegl Lek** 1990;47(11):767–9 (36 ref.) **(Pol)**
[Obesity as a risk factor for ischemic heart disease] Białkowska M, et al. **Wiad Lek** 1990 May 1–15; 43(9–10):433–7 (21 ref.) (Eng. Abstr.) **(Pol)**
[Leukotrienes and myocardial ischemia] Moĭbenko AA, et al. **Kardiologiia** 1991 May;31(5):79–82 (92 ref.) **(Rus)**
[The hormonal system of calcium metabolism regulation in the pathogenesis of blood circulation disorders] Khudaverdian DN, et al. **Usp Fiziol Nauk** 1991 Jan–Feb; 22(1):57–76 (165 ref.) **(Rus)**
[Nutritional risk factors for ischemic cardiopathy] Jiménez Cruz A, et al. **Gac Sanit** 1990 Jan–Feb;4(16):29–34 (42 ref.) (Eng. Abstr.) **(Spa)**

GENETICS

Genetics of atherosclerosis. Sing CF, et al. **Annu Rev Genet** 1990;24:171–87 (104 ref.)
Lipoprotein transport gene abnormalities underlying coronary heart disease susceptibility. Breslow JL. **Annu Rev Med** 1991;42:357–71 (94 ref.)
Current approaches to the genetics of coronary heart disease (CHD) including an account of work done at Hammersmith Hospital. Myant NB. **Boll Soc Ital Biol Sper** 1990 Nov; 66(11):1015–41 (14 ref.)
On the role of genetic factors in coronary heart disease. Scanu AM. **Compr Ther** 1991 May;17(5):3–6 (4 ref.)
[Correlation between juvenile myocardial infarct in parents and plasma fibrinogen levels in their offspring] Mihai K, et al. **Orv Hetil** 1991 Aug 25;132(34):1861–3 (22 ref.) (Eng. Abstr.) **(Hun)**

IMMUNOLOGY

[Antiphospholipid syndrome and cardiovascular disease] García Bolao JI, et al. **Rev Med Univ Navarra** 1990 Jul–Sep; 34(3):151–5 (45 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

The cell biology of acute myocardial ischemia. Jennings RB, et al. **Annu Rev Med** 1991;42:225–46 (122 ref.)
Modulation of alpha-adrenergic receptors and their intracellular coupling in the ischemic heart. Corr PB, et al. **Basic Res Cardiol** 1990;85 Suppl 1:31–45 (85 ref.)
Supersensitivity of the adenylyl cyclase system in acute myocardial ischemia: evaluation of three independent mechanisms. Strasser RH, et al. **Basic Res Cardiol** 1990;85 Suppl 1:67–78 (73 ref.)
Linoleic acid, antioxidants and coronary heart disease. Oliver MF. **Biochem Soc Trans** 1990 Dec;18(6):1049–51 (14 ref.)
The role of free radicals in the ischemic myocardium. Ferrari R. **Bratisl Lek Listy** 1991 Feb;92(2):108–12 (58 ref.)
Myocardial ischemia—metabolic pathways and implications of increased glycolysis. Opie LH. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 4:777–90 (91 ref.)
Imaging of myocardial metabolism by positron emission tomography. Rigo P, et al. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 4:847–51 (28 ref.)
Amphipathic lipid metabolites and their relation to arrhythmogenesis in the ischemic heart. DaTorre SD, et al. **J Mol Cell Cardiol** 1991 Feb;23 Suppl 1:11–22 (43 ref.)
Magnetic resonance spectroscopy of the heart. Higgins CB. **Radiol Med (Torino)** 1990 Jul–Aug;80(1–2):164–7 (22 ref.)

MORTALITY

Relationship of ischemic heart disease to sudden death. Buja LM, et al. **J Forensic Sci** 1991 Jan;36(1):25–33 (30 ref.)
Changing hypertension treatment to reduce the overall cardiovascular risk. Kaplan NM. **J Hypertens Suppl** 1990 Dec;8(7):S175–9 (22 ref.)
Cardiovascular disease in women: an update. Hunter SM, et al. **J La State Med Soc** 1991 May;143(5):23–30 (83 ref.)
Iron stores and the international variation in mortality from coronary artery disease. Lauffer RB. **Med Hypotheses** 1991 Jun;35(2):96–102 (21 ref.)
Estrogen replacement therapy and coronary heart disease: a quantitative assessment of the epidemiologic evidence. Stampfer MJ, et al. **Prev Med** 1991 Jan;20(1):47–63 (41 ref.)
[Evaluation of mortality caused by ischemic heart disease in Haute-Garonne] Ruidavets JB, et al. **Arch Mal Coeur** 1990 Dec;83(14):2103–9 (17 ref.) (Eng. Abstr.) **(Fre)**
[Family status and coronary heart disease] Wagner U. **Z Arztl Fortbild (Jena)** 1991 Jun 10;85(11):517–21 (55 ref.) **(Ger)**
[Coronary risk factors and their relation to sudden death (editorial)] Bayés de Luna A, et al. **An Med Interna** 1989 Aug;6(8):397–401 (56 ref.) **(Spa)**

PATHOLOGY

Time course of myocardial necrosis. Schaper J, et al. **Cardiovasc Drugs Ther** 1988 May;2(1):17–25 (75 ref.)
The myocardial cell: normal growth, cardiac hypertrophy and response to injury. Bishop SP. **Toxicol Pathol** 1990;18(4 Pt 1):438–53 (70 ref.)
[Biological and cellular mechanisms of restenosis after transluminal coronary angioplasty] De Caterina R, et al. **G Ital Cardiol** 1991 Jan;21(1):75–86 (71 ref.) **(Ita)**

PHYSIOPATHOLOGY

Diastolic time: the forgotten dynamic factor. Implications for myocardial perfusion. Boudoulas H. **Acta Cardiol** 1991; 46(1):61–71 (38 ref.)
Myocardial contractile performance during acute coronary occlusion with special emphasis on nonoccluded regions. Hexeberg E, et al. **Acta Physiol Scand Suppl** 1991; 599:99–107 (56 ref.)
Pain perception and endogenous pain modulation in angina pectoris. Droste C, et al. **Adv Cardiol** 1990;37:142–64 (66 ref.)
Myocardial effects of brief periods of ischemia followed by reperfusion. Jennings RB, et al. **Adv Cardiol** 1990;37:7–31 (44 ref.)
Significance of experimental models in assessing the link between myocardial ischemia and pain. Malliani A. **Adv Cardiol** 1990;37:126–41 (36 ref.)
Ischemic preconditioning and myocardial stunning: related consequences of brief coronary occlusion and reperfusion? Schott RJ, et al. **Adv Cardiol** 1990;37:32–41 (53 ref.)
Granulocyte function in coronary artery disease. de Servi S, et al. **Am J Cardiol** 1991 Sep 3;68(7):64B–68B (26 ref.)
Triggers of transient myocardial ischemia: circadian variation and relation to plaque rupture and coronary thrombosis in stable coronary artery disease. Stone PH. **Am J Cardiol** 1990 Nov 6;66(16):32G–36G (30 ref.)
Potential usefulness of combined thromboxane A2 and serotonin receptor blockade for preventing the conversion from chronic to acute coronary artery disease syndromes. Willerson JT, et al. **Am J Cardiol** 1990 Nov 6; 66(16):48G–53G (41 ref.)
Positron emission tomography as an aid in understanding electrocardiographic changes of ischemia, infarction, and cardiomyopathy. Grover-McKay M. **Ann N Y Acad Sci** 1990;601:77–94 (53 ref.)
Cardiocardiac excitatory reflexes during myocardial ischemia. Malliani A. **Basic Res Cardiol** 1990;85 Suppl 1:243–52 (36 ref.)
Cardiac sympathetic activity in myocardial ischemia: release and effects of noradrenaline. Schömig A, et al. **Basic Res Cardiol** 1990;85 Suppl 1:9–30 (152 ref.)
Leukocyte-dependent and leukocyte-independent mechanisms of impairment of endothelium-mediated vasodilation. Lefer AM, et al. **Blood Vessels** 1990;

27(2-5):162-8 (22 ref.)
Adaptation to and defense against myocardial ischemia. Schaper W, et al. **Cardiology** 1990;77(5):367-72 (22 ref.)
Total ischemic burden in patients with coronary artery disease. Deanfield JE. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 4:833-9 (42 ref.)
Ischemia at the crossroads? Hearse DJ. **Cardiovasc Drugs Ther** 1988 May;2(1):9-15 (29 ref.)
Ischemia, reperfusion, and the determinants of tissue injury. Hearse DJ. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 4:767-76 (61 ref.)
Vascular endothelium in ischemic heart disease: possible role for endothelium-derived relaxing factor. Henderson AH. **Cardiovasc Drugs Ther** 1989 Jun;3 Suppl 1:241-8 (69 ref.)
Mechanisms of myocardial ischemia. Maseri A. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 4:827-31 (10 ref.)
Pathophysiology of myocardial ischemia: importance of platelet-vessel wall interactions. Parratt JR. **Cardiovasc Drugs Ther** 1988 May;2(1):35-40 (39 ref.)
Myocardial ischemia and reperfusion: the role of oxygen radicals in tissue injury. Werns SW, et al. **Cardiovasc Drugs Ther** 1989 Jan;2(6):761-9 (77 ref.)
Coronary circulation and factors affecting coronary 'steal'. Priebe HJ. **Eur J Anaesthesiol** 1991 May;8(3):177-95 (113 ref.)
Consequences of acute ischemia for the electrical and mechanical function of the ventricular myocardium. A brief review. Kléber AG. **Experientia** 1990 Dec 1; 46(11-12):1162-7 (63 ref.)
Role of endothelial dysfunction in the pathogenesis of reperfusion injury after myocardial ischemia. Lefer AM, et al. **FASEB J** 1991 Apr;5(7):2029-34 (40 ref.)
Diastolic function in coronary artery disease. Carroll JD, et al. **Herz** 1991 Feb;16(1):1-12 (67 ref.)
Electrocardiographic classification of acute myocardial ischemia. Sclarovsky S, et al. **Isr J Med Sci** 1990 Sep; 26(9):525-31 (13 ref.)
Total coronary occlusion: a different animal? Meier B. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):50B-57B (52 ref.)
Nitrous oxide is contraindicated in patients with coronary artery disease. Con: nitrous oxide should be used in patients with coronary artery disease. Hamilton WK. **J Cardiothorac Vasc Anesth** 1991 Feb;5(1):90-1 (8 ref.)
Nitrous oxide is contraindicated in patients with coronary artery disease. Pro: nitrous oxide should not be used in patients with coronary artery disease. Nathan HJ. **J Cardiothorac Vasc Anesth** 1991 Feb;5(1):87-9 (28 ref.)
Circadian variations in myocardial ischemia. Implications for management. Pepine CJ. **JAMA** 1991 Jan 16;265(3):386-90 (60 ref.)
Exercise training and coronary collateral circulation. Franklin BA. **Med Sci Sports Exerc** 1991 Jun;23(6):648-53 (50 ref.)
Effect of beta-blockers on exercise physiology: implications for exercise training. Gordon NF, et al. **Med Sci Sports Exerc** 1991 Jun;23(6):668-76 (50 ref.)
Physiologic adaptations to prolonged high-intensity exercise training in patients with coronary artery disease. Hagberg JM. **Med Sci Sports Exerc** 1991 Jun;23(6):661-7 (59 ref.)
Exercise training after cardiac transplantation. Squires RW. **Med Sci Sports Exerc** 1991 Jun;23(6):686-94 (40 ref.)
Assessment of the hemodynamic significance of coronary artery stenosis: theoretical considerations and clinical measurements. Katritsis D, et al. **Prog Cardiovasc Dis** 1991 Jul-Aug;34(1):69-88 (124 ref.)
Endothelial and neuro-humoral control of coronary blood flow in health and disease. Bassenge E, et al. **Rev Physiol Biochem Pharmacol** 1990;116:77-165 (568 ref.)
[Mechanism of clinical onset and outcome of coronary disease before 40 years of age. 148 cases] Carlioz R, et al. **Arch Mal Coeur Vaiss** 1991 Mar;84(3):311-8 (30 ref.) (Eng. Abstr.) **(Fre)**
[Computerized analysis of ST segment during exercise. Interpretation of "saw tooth" appearance] César C, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):843-6 (10 ref.) (Eng. Abstr.) **(Fre)**
[Vasomotor activity and coronary insufficiency] Lablanche JM, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:69-74 (26 ref.) (Eng. Abstr.) **(Fre)**
[Isolated impairement of the regional filling of the left ventricle in the coronary patient with normal systolic function. A study by isotopic ventriculography during rest] Pézard P, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84(1):63-9 (27 ref.) (Eng. Abstr.) **(Fre)**
[The misconstrued metabolic syndrome essential hypertension. Chronology of interdisciplinary change in attitude] Rett K, et al. **Med Klin** 1991 Feb 15;86(2):86-91 (66 ref.) **(Ger)**
[Biological and cellular mechanisms of restenosis after transluminal coronary angioplasty] De Caterina R, et al. **G Ital Cardiol** 1991 Jan;21(1):75-86 (71 ref.) **(Ita)**
[Early functional evaluation after coronary angioplasty: uses and limitations (published erratum appears in G Ital Cardiol 1991 Feb;21(2):following Table of Contents)] Massa D, et al. **G Ital Cardiol** 1990 Nov;20(11):1034-7 (24 ref.) **(Ita)**
[Blood viscosity and myocardial microcirculation] Kochmański M, et al. **Kardiol Pol** 1990;33(11-2):64-70 (36 ref.) **(Pol)**
[Sudden death in ischemic heart disease. Prognostic factors] Witkowska M. **Kardiol Pol** 1990;33(8):31-6 (57 ref.) **(Pol)**
[Recording late ventricular potentials during examination of patients with high risk of sudden death] Shushliapin OI, et al. **Kardiologiia** 1990 Nov;30(11):106-8 (31 ref.) **(Rus)**
[Methods of studying coronary blood flow] Vakhlizaev VD, et al. **Kardiologiia** 1990 Nov;30(11):108-11 (79 ref.) **(Rus)**

PREVENTION & CONTROL

Silent myocardial ischemia in asymptomatic patients: should we screen? Should we treat? Cohn PF. **Adv Cardiol** 1990; 37:304-11 (20 ref.)
Risk stratification in unstable angina: screening for silent myocardial ischemia. Gottlieb SO. **Adv Cardiol** 1990; 37:223-35 (39 ref.)
Resolved and unresolved issues in the prevention and treatment of coronary artery disease: a workshop consensus statement. Dzau V, et al. **Am Heart J** 1991 Apr;121(4 (Pt 1)):1244-63 (123 ref.)
Cardiovascular risk factors and the effects of intervention. Sleight P. **Am Heart J** 1991 Mar;121(3 (Pt 2)):990-4; discussion 994-5 (16 ref.)
Vitamin C and cardiovascular risk factors. Trout DL. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):322S-325S (35 ref.)
Rationale for treatment. Gotto AM Jr. **Am J Med** 1991 Jul 31;91(1B):31S-36S (18 ref.)
Recent nutrition research: implications for foods of the future. Grundy SM. **Ann Med** 1991 Apr;23(2):187-93 (29 ref.)
An apple a day or an aspirin a day? Dalen JE. **Arch Intern Med** 1991 Jun;151(6):1066-9 (45 ref.)
Polyunsaturated fatty acids and coronary heart disease. Sanders TA. **Baillieres Clin Endocrinol Metab** 1990 Dec; 4(4):877-94 (105 ref.)
Policies for the prevention of coronary heart disease through cholesterol-lowering. Rifkind BM. **Br Med Bull** 1990 Oct; 46(4):1059-74 (42 ref.)
Prevention of coronary heart disease in black adults. Pearson TA, et al. **Cardiovasc Clin** 1991;21(3):263-76 (62 ref.)
Clinical relevance of hyperlipidemia. Mancini M, et al. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1385-8 (11 ref.)
Report of the Expert Panel on Population Strategies for Blood Cholesterol Reduction. A statement from the National Cholesterol Education Program, National Heart, Lung, and Blood Institute, National Institutes of Health. Carleton RA, et al. **Circulation** 1991 Jun;83(6):2154-232 (629 ref.)
The role of exercise in the primary and secondary prevention of coronary artery disease. Gordon NF, et al. **Clin Sports Med** 1991 Jan;10(1):87-103 (57 ref.)
Current status and future perspectives in the prevention of coronary heart disease. Pyörälä K. **Cor Vasa** 1991; 33(2):91-102 (24 ref.)
Primary prevention of coronary heart disease in the Federal Republic of Germany. Analysis of cost-effectiveness. Assmann G, et al. **Drugs** 1990;40 Suppl 1:33-7 (9 ref.)
The potential role of thromboxane inhibitors in preventing myocardial ischaemic injury. Mehta JL, et al. **Drugs** 1990 Nov;40(5):657-65 (64 ref.)
Lipoproteins and coronary heart disease in the Helsinki Heart Study. Mänttäri M, et al. **Eur Heart J** 1990 Dec;11 Suppl H:26-31 (18 ref.)
Coronary risk factors: value of screening and preventive strategies in general practice. Bhatnagar D, et al. **Fam Pract** 1990 Dec;7(4):295-300 (40 ref.)
Preventive maintenance of the aging heart. Miller M, et al. **Geriatrics** 1991 Jul;46(7):22-30 (29 ref.)
Antihypertensive drug treatment. Potential, expected, and observed effects on stroke and on coronary heart disease. MacMahon S, et al. **Hypertension** 1989 May;13(5 Suppl):I45-50 (27 ref.)
A paradigm for restenosis based on cell biology: clues for the development of new preventive therapies. Forrester JS, et al. **J Am Coll Cardiol** 1991 Mar 1;17(3):758-69 (109 ref.)
Colchicine and antineoplastic therapy for the prevention of restenosis after percutaneous coronary interventions. Muller DW, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):126B-131B (49 ref.)
Antihypertensive therapy and coronary prevention. Klein WW. **J Cardiovasc Pharmacol** 1990;16 Suppl 6:S23-7 (21 ref.)
Estrogen therapy and cardiovascular risk in women. Bass KM, et al. **J La State Med Soc** 1991 May;143(5):33-9 (78 ref.)
Do benzodiazepines have a role in the prevention or treatment of coronary heart disease and other major medical disorders? Williams RB Jr. **J Psychiatr Res** 1990; 24 Suppl 2:51-6 (15 ref.)
Strategies for reducing cardiovascular risk in women. Burkman RT Jr. **J Reprod Med** 1991 Mar;36(3 Suppl):238-46 (81 ref.)
Hormone replacement therapy and coronary heart disease. Ettinger B. **Obstet Gynecol Clin North Am** 1990 Dec; 17(4):741-57 (73 ref.)
Review: fish oil and cardiac function. Nestel PJ. **World Rev Nutr Diet** 1991;66:268-77 (32 ref.)
Health effects of omega 3 polyunsaturated fatty acids in seafoods. Cardiovascular. II: Heart. Nordøy A. **World Rev Nutr Diet** 1991;66:34-8 (20 ref.)
[Fish and ischemic heart disease] Marckmann P. **Ugeskr Laeger** 1991 Apr 1;153(14):980-3 (29 ref.) (Eng. Abstr.) **(Dan)**
[The value of physical activity for prevention of coronary heart disease] Rost R, et al. **Fortschr Med** 1991 Jan 30; 109(3):41-4 (0 ref.) (Eng. Abstr.) **(Ger)**
[Lipid-lowering therapy in the prevention of coronary heart disease] Keller U. **Schweiz Rundsch Med Prax** 1990 Sep 25;79(39):1120-4 (18 ref.) (Eng. Abstr.) **(Ger)**
[Physical activity and coronary heart disease] Niederhauser HU. **Schweiz Rundsch Med Prax** 1990 Sep 11; 79(37):1068-73 (50 ref.) (Eng. Abstr.) **(Ger)**
[Omega-3-fatty acids: their value in nutrition and prevention] Brenner D, et al. **Ther Umsch** 1990 Sep;47(9):724-32 (60 ref.) (Eng. Abstr.) **(Ger)**
[Clinical trials for primary prevention of ischemic cardiopathy. Light and darkness] Dal Palù C, et al. **G Ital Cardiol** 1990 Nov;20(11):1044-53 (65 ref.) **(Ita)**
[Risk factors of myocardial ischemia and role of the physician in its prevention] Pezzana M. **Minerva Med** 1991 Mar; 82(3):131-5 (24 ref.) (Eng. Abstr.) **(Ita)**
[Cholesterol prevention. American and European positions] Cybulska B. **Wiad Lek** 1990 Aug 1-15;43(15-16):808-20 (15 ref.) **(Pol)**
[National program for cholesterol prevention in Poland. Individual strategy] Cybulska B, et al. **Wiad Lek** 1990 Aug 1-15;43(15-16):796-807 (15 ref.) **(Pol)**
[National program for cholesterol prevention in Poland. Population strategy] Szostak WB, et al. **Wiad Lek** 1990 Aug 1-15;43(15-16):788-95 (19 ref.) **(Pol)**
[Some aspects of arterial hypertension control in the prevention of ischemic heart disease] Plavinskaia SI. **Kardiologiia** 1990 Sep;30(9):100-3 (68 ref.) **(Rus)**
[The primary prevention of ischemic cardiopathy. What is the place of pharmacological intervention?] Corral Corral C. **Med Clin (Barc)** 1991 Mar 16;96(10):388-93 (26 ref.) **(Spa)**

PSYCHOLOGY

If 'A-B' does not predict heart disease, why bother with it? A comment on Ivancevich & Matteson. Ray JJ. **Br J Med Psychol** 1991 Mar;64 (Pt 1):85-90 (34 ref.)
Ventricular responses to mental stress testing in patients with coronary artery disease. Pathophysiological implications. Rozanski A, et al. **Circulation** 1991 Apr;83(4 Suppl):II137-44 (37 ref.)
Autonomic nervous system and coronary blood flow changes related to emotional activation and sleep. Verrier RL, et al. **Circulation** 1991 Apr;83(4 Suppl):II81-9 (56 ref.)
Stressful experience and cardiorespiratory disorders. Weiner H. **Circulation** 1991 Apr;83(4 Suppl):II2-8 (39 ref.)
Biobehavioral factors in sudden cardiac death. Kamarck T, et al. **Psychol Bull** 1991 Jan;109(1):42-75 (280 ref.)
[Denial and coronary disease. A reconsideration of the denial mechanism in psychosomatic diseases and particularly in coronary disease] Janne P, et al. **Ann Med Psychol (Paris)** 1990 Feb;148(2):165-78 (40 ref.) (Eng. Abstr.) **(Fre)**
[Stress: a treatable cardiovascular risk factor?] Speidel H, et al. **Schweiz Rundsch Med Prax** 1990 Sep 25;79(39):1115-9 (65 ref.) (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Coronary artery disease in the octogenarian: angiographic spectrum and suitability for revascularization. Kowalchuk GJ, et al. **Am J Cardiol** 1990 Dec 1;66(19):1319-23 (30 ref.)
Regression of coronary atherosclerosis: an achievable goal? Review of results from recent clinical trials. Waters D, et al. **Am J Med** 1991 Jul 31;91(1B):10S-17S (33 ref.)
Quantitative coronary angiography. de Bono DP. **Clin Phys Physiol Meas** 1990;11 Suppl A:125-6 (6 ref.)
Coronary angiography and interventional cardiology. Fleck E, et al. **Curr Opin Radiol** 1991 Aug;3(4):550-60 (31 ref.)
The role of digital subtraction angiography in the quantitation of coronary stenosis. Katritsis D, et al. **Int J Cardiol** 1990 Dec;29(3):277-83 (42 ref.)
Coronary restenosis: what have we learned from angiography? Holmes DR Jr, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):14B-22B (91 ref.)
[Early angiographic assessment of coronary revascularizations using the internal mammary artery. Apropos of a consecutive and prospective series of 180 bypass grafts] Bergeron P, et al. **Ann Chir** 1991;45(2):82-9 (71 ref.) (Eng. Abstr.) **(Fre)**
[Evaluation of patients with coronary insufficiency using single-photon gamma tomography and positron-emission tomography] Cerqueira MD, et al. **J Radiol** 1991 Jan; 72(1):23-34 (45 ref.) (Eng. Abstr.) **(Fre)**
[Angina pectoris, provocable by exercise, and silent myocardial ischemia in the light of results of coronary angiography] Csanádi Z, et al. **Orv Hetil** 1991 Jun 9; 132(23):1239-40,1243 (28 ref.) (Eng. Abstr.) **(Hun)**
[Clinical aspects of arteriosclerotic stenosis of the left coronary artery main stem] Volth L, et al. **Orv Hetil** 1991 Jun 23;132(25):1347-50 (21 ref.) (Eng. Abstr.) **(Hun)**

RADIONUCLIDE IMAGING

Silent ischemia during mental stress: scintigraphic evidence and electrocardiographic patterns. Tavazzi L, et al. **Adv Cardiol** 1990;37:53-66 (29 ref.)
Adenosine in myocardial perfusion imaging using positron emission tomography. Gupta NC, et al. **Am Heart J** 1991 Jul;122(1 (Pt 1)):293-301; discussion 302-6 (15 ref.)
Single-photon emission computed tomographic thallium

imaging with adenosine, dipyridamole, and exercise. Iskandrian AS. **Am Heart J** 1991 Jul;122(1 (Pt 1)):279–84; discussion 302–6 (10 ref.)

Adenosine thallium 201 myocardial perfusion scintigraphy. Verani MS. **Am Heart J** 1991 Jul;122(1 (Pt 1)):269–78; discussion 302–6 (23 ref.)

Experimental studies of the physiologic properties of technetium-99m isonitriles. Beller GA, et al. **Am J Cardiol** 1990 Oct 16;66(13):5E–8E (12 ref.)

Positron emission tomography and interventional cardiology. Gould KL. **Am J Cardiol** 1990 Oct 26;66(14):51F–58F (57 ref.)

Clinical experience with technetium-99m teboroxime, a neutral, lipophilic myocardial perfusion imaging agent. Johnson LL, et al. **Am J Cardiol** 1990 Oct 16; 66(13):63E–67E (13 ref.)

Myocardial perfusion imaging with technetium-99m sestamibi SPECT in the evaluation of coronary artery disease. Maddahi J, et al. **Am J Cardiol** 1990 Oct 16; 66(13):55E–62E (32 ref.)

Exercise thallium-201 perfusion scintigraphy in the assessment of coronary artery disease. Mahmarian JJ, et al. **Am J Cardiol** 1991 May 21;67(14):2D–11D (67 ref.)

Animal models in radiotracer design of a Tc-labelled myocardial perfusion imaging agent. Mousa SA. **Am J Physiol Imaging** 1991;6(1):16–25 (22 ref.)

Exercise thallium-201 scintigraphy in the diagnosis and prognosis of coronary artery disease. Kotler TS, et al. **Ann Intern Med** 1990 Nov 1;113(9):684–702 (193 ref.)

Imaging of myocardial metabolism by positron emission tomography. Rigo P, et al. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 4:847–51 (28 ref.)

Cardiac positron emission tomography. A report for health professionals from the Committee on Advanced Cardiac Imaging and Technology of the Council on Clinical Cardiology, American Heart Association. Bonow RO, et al. **Circulation** 1991 Jul;84(1):447–54 (56 ref.)

Prognostic value of thallium-201 myocardial perfusion imaging. A diagnostic tool comes of age. Brown KA. **Circulation** 1991 Feb;83(2):363–81 (146 ref.)

Rest and exercise radionuclide angiography for diagnosis in chronic ischemic heart disease. Gibbons RJ. **Circulation** 1991 Sep;84(3 Suppl):I93–9 (58 ref.)

Intravenous dipyridamole thallium-201 SPECT imaging methodology, applications, and interpretations. Rockett JF, et al. **Clin Nucl Med** 1990 Oct;15(10):712–25 (59 ref.)

Myocardial perfusion imaging. Grégoire J, et al. **Curr Opin Radiol** 1990 Dec;2(6):815–22 (22 ref.)

Nuclear cardiology: myocardial perfusion and function. Seldin DW. **Curr Opin Radiol** 1991 Aug;3(4):561–8 (41 ref.)

Role of single photon wall motion and perfusion studies in the evaluation of patients with suspected coronary artery disease. Yaoita H, et al. **Eur J Nucl Med** 1990;17(5):269–78 (98 ref.)

PET perfusion imaging and nuclear cardiology. Gould KL. **J Nucl Med** 1991 Apr;32(4):579–606 (153 ref.)

Controversies in nuclear medicine. Analysis of 201Tl myocardial images. Quantitative 201Tl myocardial perfusion imaging. Maisey MN. **Nucl Med Commun** 1991 Apr;12(4):323–32 (19 ref.)

Controversies in nuclear medicine. Analysis of 201Tl myocardial images. Visual analysis of thallium scans from digitized gated images. Martin W, et al. **Nucl Med Commun** 1991 Apr;12(4):327–32 (29 ref.)

Future perspectives: diagnostic possibilities with positron emission tomography. Schelbert HR. **Rontgenblatter** 1990 Sep;43(9):384–90 (30 ref.)

Pharmacological and other nonexercise alternatives to exercise testing to evaluate myocardial perfusion and left ventricular function with radionuclides. DePuey EG, et al. **Semin Nucl Med** 1991 Apr;21(2):92–101 (67 ref.)

SPECT myocardial perfusion imaging update. Datz FL, et al. **Semin Ultrasound CT MR** 1991 Feb;12(1):28–44 (59 ref.)

[Diagnosis of coronary artery disease by thallium 201 myocardial scintigraphy during atrial pacing] Le Helloco A, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):801–8 (30 ref.) (Eng. Abstr.) **(Fre)**

[201Thallium reinjection after exertion-redistribution myocardial scintigraphy. A new method for distinguishing between scars and vital myocardium] Munz DL, et al. **Dtsch Med Wochenschr** 1991 Mar 8;116(10):361–6 (21 ref.) (Eng. Abstr.) **(Ger)**

[Nuclear medical methods in cardiology] Mangschau A, et al. **Tidsskr Nor Laegeforen** 1991 Feb 28;111(6):681–4 (14 ref.) (Eng. Abstr.) **(Nor)**

RADIOTHERAPY

[Clinical and experimental studies of the effect of low-intensity laser irradiation on the blood and blood vessels] Radionov BV, et al. **Sov Med** 1991;(1):27–9 (30 ref.) **(Rus)**

REHABILITATION

Cardiac rehabilitation. The human face of heart disease. Hare DL. **Aust Fam Physician** 1990 Jul;19(7):1043–6, 1050–2 (13 ref.)

Weightlifting training in cardiac patients. Considerations. McKelvie RS, et al. **Sports Med** 1990 Dec;10(6):355–64 (52 ref.)

SURGERY

Prognostic significance of silent myocardial ischemia by exercise testing. Weiner DA. **Adv Cardiol** 1990;37:270–7 (28 ref.)

Changes in grafts and in coronary arteries after coronary bypass surgery. Bourassa MG, et al. **Cardiovasc Clin** 1991; 21(2):83–100 (77 ref.)

Left ventricular function after coronary bypass surgery. Bourassa MG. **Cardiovasc Clin** 1991;21(2):227–37 (49 ref.)

Long-term clinical results after coronary artery bypass surgery. Bourassa MG. **Cardiovasc Clin** 1991;21(2):101–21 (58 ref.)

Coronary risk factors and the postbypass patient. Campeau L. **Cardiovasc Clin** 1991;21(2):123–33 (57 ref.)

Cardiac rehabilitation after coronary bypass surgery. Juneau M, et al. **Cardiovasc Clin** 1991;21(2):25–42 (118 ref.)

Platelets and thrombosis in vein graft occlusion: role and prevention. Lam JY, et al. **Cardiovasc Clin** 1991;21(2):67–81 (82 ref.)

Future implications of current trends in bypass surgery. Lytle BW, et al. **Cardiovasc Clin** 1991;21(2):265–78 (45 ref.)

Evaluation of the patient with stable angina following coronary artery bypass surgery. Miller DD. **Cardiovasc Clin** 1991;21(2):137–67 (81 ref.)

Early postoperative care and complications. Pelletier LC, et al. **Cardiovasc Clin** 1991;21(2):3–24 (100 ref.)

Management of arrhythmias in the postbypass patient. Talajic M, et al. **Cardiovasc Clin** 1991;21(2):211–26 (93 ref.)

Unstable angina: special considerations in the postbypass patient. Théroux P, et al. **Cardiovasc Clin** 1991;21(2):169–91 (123 ref.)

Angioplasty of bypass grafts and native arteries. Waters D, et al. **Cardiovasc Clin** 1991;21(2):241–56 (35 ref.)

Athletic participation after myocardial revascularization. Possibilities and benefits. Kay GL. **Clin Sports Med** 1991 Apr;10(2):371–89 (65 ref.)

Cardioplegia by way of the coronary sinus for valvular and coronary surgery. Menasche P, et al. **J Am Coll Cardiol** 1991 Aug;18(2):628–36 (52 ref.)

Changing efficacies of coronary revascularization. Pryor DB. **Trans Assoc Life Insur Med Dir Am** 1991;74:97–110 (29 ref.)

[Laser angioplasty of coronary stenoses] Baumbach A, et al. **Fortschr Med** 1991 Mar 30;109(9):195–8 (13 ref.) (Eng. Abstr.) **(Ger)**

[Surgical myocardial revascularization: indications, perioperative risk constellation and prognosis] Korb H, et al. **Versicherungsmedizin** 1991 Jun 1;43(3):79–83 (13 ref.) (Eng. Abstr.) **(Ger)**

[Extracardiac risk factors in heart surgery—the kidney] Grabensee B, et al. **Z Kardiol** 1990;79 Suppl 4:47–57 (49 ref.) (Eng. Abstr.) **(Ger)**

[Present state of coronary revascularization in ischemic heart disease] Tanaka S. **Nippon Ika Daigaku Zasshi** 1991 Jun; 58(3):255–61 (36 ref.) (Eng. Abstr.) **(Jpn)**

[Total occlusion of proximal left main and right coronary artery] Niinami H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Oct; 38(10):2137–42 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Aortitis syndrome with aortic regurgitation and bilateral coronary ostial stenosis] Sugimoto T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Apr;39(4):442–6 (15 ref.) (Eng. Abstr.) **(Jpn)**

[The surgical and drug treatment of ischemic heart disease] Knyshov GV, et al. **Vrach Delo** 1991 Feb;(2):23–7 (32 ref.) (Eng. Abstr.) **(Rus)**

THERAPY

Silent myocardial ischemia after bypass surgery and percutaneous transluminal coronary angioplasty. Gohlke-Bärwolf C, et al. **Adv Cardiol** 1990;37:288–96 (18 ref.)

Management strategies for high-risk patients with silent myocardial ischemia. Gottlieb SO. **Adv Cardiol** 1990; 37:320–7 (20 ref.)

Silent myocardial ischemia: potential for clinical trial. Sopko G. **Adv Cardiol** 1990;37:349–53 (15 ref.)

Mechanisms of silent myocardial ischemia: implications for selection of optimal therapy. Stone PH. **Adv Cardiol** 1990; 37:328–48 (63 ref.)

Significance and management of silent myocardial ischemia. Tzivoni D, et al. **Adv Cardiol** 1990;37:312–9 (25 ref.)

Balloon valvuloplasty and angioplasty of stenotic lesions of the heart and great vessels in children. Rao PS. **Adv Pediatr** 1990;37:33–76 (222 ref.)

Coronary artery disease in the octogenarian: angiographic spectrum and suitability for revascularization. Kowalchuk GJ, et al. **Am J Cardiol** 1990 Dec 1;66(19):1319–23 (30 ref.)

Emergency aortocoronary bypass after failed angioplasty. Greene MA, et al. **Ann Thorac Surg** 1991 Feb;51(2):194–9 (24 ref.)

Invasive treatment for coronary artery disease in the elderly. Gold S, et al. **Arch Intern Med** 1991 Jun;151(6):1085–8 (60 ref.)

Coronary sinus interventions: state of the art and initial clinical experience with retroperfusion support during angioplasty [editorial] Haendchen RV, et al. **Arq Bras Cardiol** 1990 May;54(5):293–305 (97 ref.)

Coronary balloon angioplasty and vascular response to injury. Perspectives for the 1990's. Haendchen RV. **Arq Bras Cardiol** 1990 Jan;54(1):7–12 (32 ref.)

Update on percutaneous transluminal coronary angioplasty and CABG. Mews GC. **Aust Fam Physician** 1990 Jul; 19(7):1027–9, 1032, 1035–8 (13 ref.)

Restenosis after angioplasty. Gershlick AH, et al. **Br Heart J** 1990 Dec;64(6):351–3 (25 ref.)

Interventional cardiology. Holmes DR Jr, et al. **Cardiol Clin** 1991 Feb;9(1):115–34 (102 ref.)

Medical management of coronary heart disease in blacks. Haywood LJ, et al. **Cardiovasc Clin** 1991;21(3):241–7 (20 ref.)

The treatment of coronary artery disease in the elderly. Backes RJ, et al. **Cardiovasc Drugs Ther** 1991 Apr; 5(2):449–55 (50 ref.)

Indications for coronary angioplasty in acute myocardial ischemic syndromes. de Feyter PJ, et al. **Cardiovasc Drugs Ther** 1988 May;2(1):93–101 (84 ref.)

Status of percutaneous transluminal coronary angioplasty. Roubin GS. **Curr Probl Cardiol** 1990 Dec;15(12):723–804 (136 ref.)

Silent myocardial ischaemia. Implications for therapy. Uren NG, et al. **Drugs** 1991 Jun;41(6):825–31 (70 ref.)

Intracoronary stents: clinical and angiographic results. Popma JJ, et al. **Herz** 1990 Oct;15(5):307–18 (62 ref.)

Percutaneous support devices for high risk or complicated coronary angioplasty. Lincoff AM, et al. **J Am Coll Cardiol** 1991 Mar 1;17(3):770–80 (85 ref.)

Major risk factors for coronary heart disease in hypertension: implications for management. Poulter NR. **J Hum Hypertens** 1990 Oct;4 Suppl 3:3–6 (38 ref.)

Role of percutaneous transluminal coronary angioplasty in the treatment of patients with multivessel coronary artery disease: a review. Glazier JJ, et al. **J R Soc Med** 1991 Apr; 84(4):224–8 (25 ref.)

Percutaneous transluminal coronary angioplasty for Kawasaki disease: a case report and literature review. Ino T, et al. **Pediatr Cardiol** 1991 Jan;12(1):33–5 (10 ref.)

Radionuclide methods to evaluate percutaneous transluminal coronary angioplasty. DePuey EG. **Semin Nucl Med** 1991 Apr;21(2):102–15 (37 ref.)

New mechanical devices for treatment of coronary artery disease. Erbel R, et al. **Z Kardiol** 1990;79 Suppl 3:121–9 (63 ref.)

Thrombolysis in acute myocardial infarction: need for a change in strategy and future directions. Pitt B. **Z Kardiol** 1990;79 Suppl 3:161–5 (25 ref.)

[Coronary angioplasty in patients aged 70 and over. Immediate results and later outcome] Jouve B, et al. **Arch Mal Coeur** 1990 Sep;83(10):1501–6 (17 ref.) (Eng. Abstr.) **(Fre)**

[Indications for percutaneous transluminal coronary angioplasty] Eggeling T, et al. **Dtsch Med Wochenschr** 1991 Feb 22;116(8):304–9 (61 ref.) **(Ger)**

[Current state of interventional measures in cardiology] Klein W, et al. **Wien Med Wochenschr** 1991;141(3):41–3 (24 ref.) (Eng. Abstr.) **(Ger)**

[Myocardial retroperfusion: the idea, the experimentation, the clinical perspectives] Volpini M, et al. **Cardiologia** 1990 Nov;35(11):883–92 (66 ref.) **(Ita)**

[Programmable stimulation of the ventricles in patients with ischemic heart disease (a review of the literature)] Parkhomenko AN, et al. **Vrach Delo** 1990 Dec;(12):1–6 (45 ref.) **(Rus)**

ULTRASONOGRAPHY

Stress echocardiography: ready for routine clinical use? Iliceto S, et al. **Eur Heart J** 1991 Feb;12(2):262–5 (22 ref.)

[Usefulness of echocardiography in the diagnosis of the causes of arterial embolism] Drążkiewicz T, et al. **Pol Tyg Lek** 1990 Nov 5–12;45(45–46):934–5 (13 ref.) **(Pol)**

CORONARY HEART DISEASE see **CORONARY DISEASE**

CORONARY PRONE PERSONALITY see **TYPE A PERSONALITY**

CORONARY REPERFUSION see **MYOCARDIAL REPERFUSION**

CORONARY THROMBOSIS

Left atrial ball thrombus: review of clinical and echocardiographic manifestations with suggestions for management. Wrisley D, et al. **Am Heart J** 1991 Jun;121(6 (Pt 1)):1784–90 (24 ref.)

BLOOD

Thrombogenesis and inhibition of platelet aggregation. Experimental aspects and future approaches. Badimon L, et al. **Z Kardiol** 1990;79 Suppl 3:133–45 (117 ref.)

CHEMICALLY INDUCED

Effects of cigarette smoke and nicotine on platelets and experimental coronary artery thrombosis. Folts JD, et al. **Adv Exp Med Biol** 1990;273:339–58 (66 ref.)

COMPLICATIONS

Sudden death after acute myocardial infarction: the forgotten thrombotic view [editorial] Verheugt FW, et al. **Am J Cardiol** 1991 May 15;67(13):1130–4 (28 ref.)

Insights into the pathogenetic mechanisms of unstable angina. Cohen M, et al. **Haemostasis** 1990;20 Suppl 1:102–12 (90 ref.)

DIAGNOSIS

[Diagnosis and treatment of thromboembolic diseases of the right heart] Lengyel M, et al. **Orv Hetil** 1990 Sep 16; 131(37):2019–25 (33 ref.) (Eng. Abstr.) **(Hun)**

DRUG THERAPY

Coronary artery thrombolysis: comparison of approved agents. Porter RS, et al. **Am Fam Physician** 1991 Aug; 44(2):591–8 (29 ref.)

Thrombosis and thrombolysis in unstable angina. Brochier ML, et al. **Am J Cardiol** 1991 Sep 3;68(7):105B–109B (38 ref.)

In vivo models of arterial thrombosis and thrombolysis. Bush LR, et al. **FASEB J** 1990 Oct;4(13):3087–98 (59 ref.)

Anti-thrombotic drugs in the treatment of coronary heart disease: the present situation with aspirin. Born GV. **Z Kardiol** 1990;79 Suppl 3:147–50 (8 ref.)

[Status of the coronary arteries after thrombolytic therapy of myocardial infarction] Savchenko AP. **Klin Med (Mosk)** 1991 Jan;69(1):13–6 (40 ref.) **(Rus)**

ETIOLOGY

Pathogenesis of thrombosis in unstable angina. Chesebro JH, et al. **Am J Cardiol** 1991 Sep 3;68(7):2B–10B (64 ref.)

Coronary thrombosis: pathogenesis and clinical manifestations. Falk E. **Am J Cardiol** 1991 Sep 3; 68(7):28B–35B (70 ref.)

Stranger in a strange land: the pathogenesis of saphenous vein graft stenosis with emphasis on structural and functional differences between veins and arteries. Cox JL, et al. **Prog Cardiovasc Dis** 1991 Jul–Aug;34(1):45–68 (249 ref.)

PATHOLOGY

Intimal disruption and coronary thrombosis: its role in the pathogenesis of human coronary disease. Forrester J. **Am J Cardiol** 1991 Sep 3;68(7):69B–77B (50 ref.)

The pathological basis of angina pectoris. Davies MJ. **Cardiovasc Drugs Ther** 1989 Jun;3 Suppl 1:249–55 (45 ref.)

PHYSIOPATHOLOGY

Coronary thrombosis: pathogenesis and prevention. Born GV. **Adv Exp Med Biol** 1990;281:355–9 (26 ref.)

von Willebrand factor and animal models: contributions to gene therapy, thrombotic thrombocytopenic purpura, and coronary artery thrombosis. Brinkhous KM, et al. **Mayo Clin Proc** 1991 Jul;66(7):733–42 (30 ref.)

PREVENTION & CONTROL

Prospects for the use of antagonists to the platelet glycoprotein IIb/IIIa receptor to prevent post-angioplasty restenosis and thrombosis. Ellis SG, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):89B–95B (82 ref.)

Laser balloon angioplasty: potential for reduction of the thrombogenicity of the injured arterial wall and for local application of bioprotective materials. Spears JR, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):179B–188B (86 ref.)

[Coronary angioplasty in acute coronary syndrome] Martínez Elbal L, et al. **Rev Port Cardiol** 1990 May;9(5):463–70 (34 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

New horizons in the treatment of coronary artery thrombosis. Runge MS. **Am J Med Sci** 1991 Jan;301(1):21–7 (52 ref.)

CORONARY VASOSPASM

CHEMICALLY INDUCED

[Cardiac toxicity of 5-fluorouracil. Reflections on a case] Perreau P, et al. **Ann Otolaryngol Chir Cervicofac** 1990; 107(8):577–80 (6 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

The hyperventilation challenge test. Another means of identifying coronary vasospasm in patients with angina-like chest pain. Magarian GJ, et al. **Chest** 1991 Jan; 99(1):199–204 (62 ref.)

ETIOLOGY

Mechanisms of coronary vasospasm: role of endothelium. Shepherd JT, et al. **J Mol Cell Cardiol** 1991 Feb;23 Suppl 1:125–31 (21 ref.)

PHYSIOPATHOLOGY

The pathological basis of angina pectoris. Davies MJ. **Cardiovasc Drugs Ther** 1989 Jun;3 Suppl 1:249–55 (45 ref.)

The spasm of resistance vessel concept of ischemic heart disease and other ischemic diseases. Hellstrom HR. **Med Hypotheses** 1990 Sep;33(1):31–41 (88 ref.)

[Relation between vegetative nervous activities and coronary spasm] Chen XL, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul;21(3):221–5 (46 ref.) **(Chi)**

CORONARY VESSEL ANOMALIES

COMPLICATIONS

[Myocardial bridging on the left anterior descending coronary artery and sudden death. Apropos of 19 cases with autopsy] Desseigne P, et al. **Arch Mal Coeur Vaiss** 1991 Apr;84(4):511–6 (27 ref.) (Eng. Abstr.) **(Fre)**

[Myocardial bridge of the left anterior descending coronary artery and myocardial infarction: does coronary spasm play a part?] Gallet B, et al. **Arch Mal Coeur Vaiss** 1991 Apr; 84(4):517–23 (27 ref.) (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

[Abnormal origin of the left coronary artery in the adult. Scintigraphic and surgical correlations] Vigneron M, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84(1):113–6 (9 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[A case of tricuspid atresia with unroofed coronary sinus] Koyama T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Aug;38(8):1384–8 (12 ref.) (Eng. Abstr.) **(Jpn)**

ULTRASONOGRAPHY

[Coronary artery anomalies studied by Doppler echocardiography in infancy and childhood--possibilities and limitations] Kádár K, et al. **Orv Hetil** 1991 Jul 21; 132(29):1581–6 (26 ref.) (Eng. Abstr.) **(Hun)**

CORONARY VESSELS

Pivotal role of early and sustained infarct vessel patency in patients with acute myocardial infarction. Topol EJ, et al. **Heart Lung** 1990 Nov;19(6):583–93 (84 ref.)

Cardioplegia by way of the coronary sinus for valvular and coronary surgery. Menasche P, et al. **J Am Coll Cardiol** 1991 Aug;18(2):628–36 (52 ref.)

Stenting of coronary arteries: has a modern Pandora's box been opened? Serruys PW, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):143B–154B (79 ref.)

Effects of coronary artery occlusion in animals with hypertension and left ventricular hypertrophy. Dellsperger KC, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S40–5 (24 ref.)

Chest pain with normal coronary anatomy: a review of natural history and possible etiologic factors. Chambers J, et al. **Prog Cardiovasc Dis** 1990 Nov–Dec;33(3):161–84 (214 ref.)

ANATOMY & HISTOLOGY

The integration of the cerebral and coronary circulations with the dynamic system structure of brain and myocardium and the form of the cerebral and coronary artery trees. Pansera F. **Med Hypotheses** 1990 Aug; 32(4):297–305 (56 ref.)

DRUG EFFECTS

Dipyridamole thallium imaging. Beer SG, et al. **Am J Cardiol** 1991 May 21;67(14):18D–26D (83 ref.)

Interdependence of pharmacologically-induced and endothelium-mediated coronary vasodilation in antianginal therapy. Bassenge E, et al. **Cardiovasc Drugs Ther** 1988 May;2(1):27–34 (54 ref.)

[Status of the coronary arteries after thrombolytic therapy of myocardial infarction] Savchenko AP. **Klin Med (Mosk)** 1991 Jan;69(1):13–6 (40 ref.) **(Rus)**

INNERVATION

Peptidergic vasodilator nerves in the peripheral circulation and in the vascular beds of the heart and brain. Owman C. **Blood Vessels** 1990;27(2–5):73–93 (148 ref.)

PATHOLOGY

Effects of cigarette smoking on coronary vascular dynamics: relationship to coronary atherosclerosis. Klein LW, et al. **Adv Exp Med Biol** 1990;273:301–10 (59 ref.)

Intimal disruption and coronary thrombosis: its role in the pathogenesis of human coronary disease. Forrester J. **Am J Cardiol** 1991 Sep 3;68(7):69B–77B (50 ref.)

The role of platelets, thrombin and hyperplasia in restenosis after coronary angioplasty. Ip JH, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):77B–88B (107 ref.)

Accelerated transplant coronary artery disease. Gao SZ, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):241–9 (57 ref.)

[Ostial stenosis of the left main coronary artery after mediastinal radiotherapy. Apropos of a case] Pillière R, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):869–72 (10 ref.) (Eng. Abstr.) **(Fre)**

[Involvement of blood vessels and hemodynamics in children with rheumatoid arthritis and systemic lupus erythematosus] Kvachadze IM, et al. **Pediatriia** 1991; (5):104–7 (76 ref.) **(Rus)**

PHYSIOLOGY

[Subsidiary rhythmicity in the area of the coronary sinus] Eliška O, et al. **Cesk Fysiol** 1991;40(3):273–82 (65 ref.) **(Cze)**

[Modulation of coronary tone: the role of the endothelium] Bassenge E. **G Ital Cardiol** 1990 Nov;20(11):1062–9 (91 ref.) **(Ita)**

[Blood viscosity and myocardial microcirculation] Kochmański M, et al. **Kardiol Pol** 1990;33(11–2):64–70 (36 ref.) **(Pol)**

PHYSIOPATHOLOGY

Endothelial modulation of vascular tone: relevance to coronary angioplasty and restenosis. Harrison DG. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):71B–76B (49 ref.)

[Leukotrienes and myocardial ischemia] Moibenko AA, et al. **Kardiologiia** 1991 May;31(5):79–82 (92 ref.) **(Rus)**

[Methods of studying coronary blood flow] Vakhlizaev VD, et al. **Kardiologiia** 1990 Nov;30(11):108–11 (79 ref.) **(Rus)**

RADIATION EFFECTS

[Clinical and experimental studies of the effect of low-intensity laser irradiation on the blood and blood vessels] Radionov BV, et al. **Sov Med** 1991;(1):27–9 (30 ref.) **(Rus)**

RADIOGRAPHY

A rare complication of percutaneous transluminal coronary angioplasty--left main disease. Vardhan IN, et al. **Am Heart J** 1991 Mar;121(3 (Pt 1)):902–5 (11 ref.)

A hematologist's view of contrast media, clotting in angiography syringes and thrombosis during coronary angiography. Grabowski EF. **Am J Cardiol** 1990 Oct 26; 66(14):23F–25F (17 ref.)

Coronary artery disease in the octogenarian: angiographic spectrum and suitability for revascularization. Kowalchuk GJ, et al. **Am J Cardiol** 1990 Dec 1;66(19):1319–23 (30 ref.)

Contrast nephropathy in azotemic diabetic patients undergoing coronary angiography. Manske CL, et al. **Am J Med** 1990 Nov;89(5):615–20 (26 ref.)

Coronary angiography after thrombolytic therapy for acute myocardial infarction. Topol EJ, et al. **Ann Intern Med** 1991 May 15;114(10):877–85 (82 ref.)

Coronary arteriography in the anginal syndromes. Kulick DL. **Cardiol Clin** 1991 Feb;9(1):63–71 (73 ref.)

Changes in grafts and in coronary arteries after coronary bypass surgery. Bourassa MG, et al. **Cardiovasc Clin** 1991; 21(2):83–100 (77 ref.)

Syndrome X. Henderson AH. **Cardiovasc Drugs Ther** 1989 Jun;3 Suppl 1:271–4 (27 ref.)

Indications, timing, and optimal technique for diagnostic angiography and angioplasty in acute myocardial infarction. Bittl JA. **Chest** 1991 Apr;99(4 Suppl):150S–156S (37 ref.)

Quantitative coronary angiography to measure progression and regression of coronary atherosclerosis. Value, limitations, and implications for clinical trials. de Feyter PJ, et al. **Circulation** 1991 Jul;84(1):412–23 (84 ref.)

Limitations of coronary angiography: an underestimated problem? Katritsis D, et al. **Clin Cardiol** 1991 Jan;14(1):20–4 (41 ref.)

Coronary angiography and interventional cardiology. Fleck E, et al. **Curr Opin Radiol** 1991 Aug;3(4):550–60 (31 ref.)

Profile of coronary artery disease in Indian women: correlation of clinical, non invasive and coronary angiographic findings. Dave TH, et al. **Indian Heart J** 1991 Jan–Feb;43(1):25–9 (24 ref.)

Coronary restenosis: what have we learned from angiography? Holmes DR Jr, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):14B–22B (91 ref.)

Quantitative coronary arteriographic methods in the interventional catheterization laboratory: an update and perspective. Mancini GB. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):23B–33B (57 ref.)

Validating studies for panic disorder in patients with angiographically normal coronary arteries. Beitman BD, et al. **Med Clin North Am** 1991 Sep;75(5):1143–55 (57 ref.)

Angina and myocardial infarction with normal coronary arteries [comment] Bourke ME, et al. **Postgrad Med J** 1991 Jan;67(783):4–8 (45 ref.) Comment on: Postgrad Med J 1991 Jan;67(783):78–80.

[Late coronary reperfusion. A possible etiology of post-infarction angina] Joly P, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):831–5 (15 ref.) (Eng. Abstr.) **(Fre)**

[Coronary angiography with synchrotron radiation] Takeda T, et al. **Nippon Rinsho** 1991 May;49(5):1196–209 (37 ref.) **(Jpn)**

SURGERY

Coronary sinus interventions: state of the art and initial clinical experience with retroperfusion support during angioplasty [editorial] Haendchen RV, et al. **Arq Bras Cardiol** 1990 May;54(5):293–305 (97 ref.)

[Laser angioplasty of coronary stenoses] Baumbach A, et al. **Fortschr Med** 1991 Mar 30;109(9):195–8 (13 ref.) (Eng. Abstr.) **(Ger)**

CORONARY VESSELS

TRANSPLANTATION

Technical considerations in aortocoronary bypass grafting. Dresdale AR, et al. **Biomed Pharmacother** 1990; 44(7):359–64 (69 ref.)

ULTRASONOGRAPHY

Assessment of vascular disease by intravascular ultrasound. Nissen SE, et al. **Cardiology** 1990;77(5):398–410 (18 ref.)

Intravascular ultrasound guidance for catheter-based coronary interventions. Yock PG, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):39B–45B (38 ref.)

[Visualization of coronary artery obstructions by echocardiography] Gimenes VM, et al. **Arq Bras Cardiol** 1990 Apr;54(4):251–6 (22 ref.) (Eng. Abstr.) **(Por)**

CORONAVIRIDAE

ANALYSIS

[Molecular biology of coronaviruses] Taguchi F. **Uirusu** 1990 Dec;40(2):81–90 (52 ref.) **(Jpn)**

GENETICS

Background paper. Aspects of coronavirus evolution. Cavanagh D, et al. **Adv Exp Med Biol** 1990;276:367–8 (7 ref.)

Background paper. Transcription and replication of coronavirus RNA: a 1989 update. Lai MM. **Adv Exp Med Biol** 1990;276:327–33 (33 ref.)

Coronavirus: organization, replication and expression of genome. Lai MM. **Annu Rev Microbiol** 1990;44:303–33 (130 ref.)

IMMUNOLOGY

Background paper. Mapping epitopes on coronavirus glycoproteins. Laude H. **Adv Exp Med Biol** 1990; 276:139–42 (6 ref.)

Background paper. Progress towards a coronavirus recombinant DNA vaccine. Spaan WJ. **Adv Exp Med Biol** 1990;276:201–3 (0 ref.)

PATHOGENICITY

Coronaviridae, pathogenetic and clinical aspects: an update. Möstl K. **Comp Immunol Microbiol Infect Dis** 1990; 13(4):169–80 (74 ref.)

PHYSIOLOGY

Background paper: functions of coronavirus glycoproteins. Holmes KV, et al. **Adv Exp Med Biol** 1990;276:5–7 (2 ref.)

Background paper. Functions of the coronavirus nucleocapsid protein. Masters PS, et al. **Adv Exp Med Biol** 1990;276:235–8 (15 ref.)

Background paper. Coronavirus M and HE: two peculiar glycoproteins. Rottier PJ. **Adv Exp Med Biol** 1990;276:91–4 (0 ref.)

Differential reactivity of bovine coronavirus (BCV) and influenza C virus with N-acetyl-9-O-acetylneuraminic acid (Neu5,9Ac2)-containing receptors. Schultze B, et al. **Adv Exp Med Biol** 1990;276:115–9 (9 ref.)

[The biological interrelations between human and animal coronaviruses] Panchenko LA, et al. **Vopr Virusol** 1991 Jan–Feb;36(1):4–6 (36 ref.) **(Rus)**

CORONAVIRUS INFECTIONS

MICROBIOLOGY

Coronaviridae, pathogenetic and clinical aspects: an update. Möstl K. **Comp Immunol Microbiol Infect Dis** 1990; 13(4):169–80 (74 ref.)

VETERINARY

Perspectives on the epizootiology of feline enteric coronavirus and the pathogenesis of feline infectious peritonitis. Evermann JF, et al. **Vet Microbiol** 1991 Aug 15;28(3):243–55 (79 ref.)

CORPORA QUADRIGEMINA

ANATOMY & HISTOLOGY

The pretectal nuclear complex and the accessory optic system. Simpson JI, et al. **Rev Oculomot Res** 1988;2:335–64 (217 ref.)

CORPUS CALLOSUM

Curvilinear and tubulonodular varieties of lipoma of the corpus callosum: an MR and CT study. Tart RP, et al. **J Comput Assist Tomogr** 1991 Sep–Oct;15(5):805–10 (52 ref.)

ABNORMALITIES

Corpus callosum agenesis, spastic quadriparesis and irregular lining of the lateral ventricles on CT-scan. A distinct X-linked mental retardation syndrome? Vles JS, et al. **Genet Couns** 1990;1(2):97–102 (19 ref.)

[Acrocallosal syndrome--an autopsy case report and literature review] Li JW, et al. **Chung Hua I Hsueh Tsa Chih** 1991 Aug;48(2):139–46 (58 ref.) (Eng. Abstr.) **(Chi)**

[Frontonasal dysplasia. Case report and review of the literature] Lorenz P, et al. **Kinderarztl Prax** 1990 Aug; 58(8):415–20 (16 ref.) (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

[Cerebral laterality and interhemispheric connections: neurobiologic aspects] Aboitiz F. **Arch Biol Med Exp (Santiago)** 1989 Dec;22(4):341–54 (72 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Disseminated sclerosis: organic basis for mental disorders and cognitive dysfunction] Stenager E, et al. **Nord Med** 1991;106(2):43–4, 49 (15 ref.) (Eng. Abstr.) **(Dan)**

PHYSIOLOGY

Left out axons make men right: a hypothesis for the origin of handedness and functional asymmetry. Witelson SF, et al. **Neuropsychologia** 1991;29(4):327–33 (50 ref.)

PHYSIOPATHOLOGY

Schizophrenia, corpus callosum, and interhemispheric communication: a review. Coger RW, et al. **Psychiatry Res** 1990 Nov;34(2):163–84 (55 ref.)

SURGERY

Behavioral changes following corpus callosotomy. Reeves AG. **Adv Neurol** 1991;55:293–300 (63 ref.)

CORPUS CARDIACUM see **NEUROSECRETORY SYSTEMS**

CORPUS LUTEUM

Corpus luteum function and dysfunction. Stouffer RL. **Clin Obstet Gynecol** 1990 Sep;33(3):668–89 (69 ref.)

Corpus luteum defects. Shapiro SS, et al. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):159–65 (20 ref.)

CYTOLOGY

The functional microscopic anatomy of the corpus luteum: the "small cell"-"large cell" controversy. Fritz MA, et al. **Clin Obstet Gynecol** 1991 Mar;34(1):144–56 (58 ref.)

PHYSIOLOGY

Current understanding of the corpus luteum in women and nonhuman primates. Patton PE, et al. **Clin Obstet Gynecol** 1991 Mar;34(1):127–43 (89 ref.)

Control of pregnancy, parturition and luteolysis in marsupials. Hinds LA. **Reprod Fertil Dev** 1990;2(5):535–52 (82 ref.)

The role of the adenylyl cyclase system in the regulation of corpus luteum function in the human and in nonhuman primates. Rojas FJ, et al. **Steroids** 1991 May;56(5):252–7 (28 ref.)

CORPUS LUTEUM CYST see **OVARIAN CYSTS**

CORPUS LUTEUM MAINTENANCE

PHYSIOLOGY

Trophoblastic factors and the maternal recognition of pregnancy in sheep and cattle. Stewart HJ. **J Dev Physiol** 1990 Sep;14(3):115–23 (91 ref.)

CORPUS STRIATUM

Genetically altered and defined cell lines for transplantation in animal models of Parkinson's disease. Freed WJ, et al. **Prog Brain Res** 1990;82:11–21 (52 ref.)

Striatal adrenal medulla/sural nerve cografts in hemiparkinsonian monkeys. Hansen JT, et al. **Prog Brain Res** 1990;82:573–80 (33 ref.)

[Right unilateral auditory agnosia following left lenticular hemorrhage] Pasquier F, et al. **Rev Neurol (Paris)** 1991; 147(2):129–37 (37 ref.) (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

The anatomical relationship of the prefrontal cortex with the striatopallidal system, the thalamus and the amygdala: evidence for a parallel organization. Groenewegen HJ, et al. **Prog Brain Res** 1990;85:95–116; discussion 116–8 (52 ref.)

The substantia nigra and its relations with the striatum in the monkey. Langer LF, et al. **Prog Brain Res** 1991; 87:81–99 (82 ref.)

DRUG EFFECTS

Nigrostriatal dopaminergic activity, deprenyl treatment, and longevity. Knoll J. **Adv Neurol** 1990;53:425–9 (19 ref.)

Interactions of exogenous L-dopa with nigrostriatal dopaminergic neurons in Parkinson's disease. Melamed E. **Adv Neurol** 1990;53:61–6 (21 ref.)

METABOLISM

Critical review on quantitative autoradiography of D1 and D2 dopaminergic receptors in the striatum of the mammalian brain: differential localization and plastic changes after pharmacological manipulation and dopaminergic input disruption. Feuerstein C, et al. **Anal Cell Pathol** 1989 Jun;1(3):153–71 (85 ref.)

Neuropeptide Y in cortex and striatum. Ultrastructural distribution and coexistence with classical neurotransmitters and neuropeptides. Aoki C, et al. **Ann N Y Acad Sci** 1990;611:186–205 (48 ref.)

The patterns of neurotransmitter and neuropeptide co-occurrence among striatal projection neurons: conclusions based on recent findings. Reiner A, et al. **Brain Res Brain Res Rev** 1990 Sep-Dec;15(3):251–65 (156 ref.)

The potential use of a dopamine neuron antibody and a striatal-derived neurotrophic factor as diagnostic markers in Parkinson's disease. Carvey PM, et al. **Neurology** 1991 May;41(5 Suppl 2):53–8; discussion 59–60 (48 ref.)

[Striatal 18F-dopa uptake measuring nigrostriatal function] Otsuka M, et al. **Nippon Rinsho** 1991 Jul;49(7):1532–6 (16 ref.) **(Jpn)**

PHYSIOLOGY

Control of dopamine extracellular concentration in rat striatum by impulse flow and uptake. Wightman RM, et al. **Brain Res Brain Res Rev** 1990 May–Aug;15(2):135–44 (29 ref.)

On the interpretation of asymmetries of posture and locomotion produced with dopamine agonists in animals with unilateral depletion of striatal dopamine. Miller R, et al. **Prog Neurobiol** 1991;36(3):229–56 (187 ref.)

Nerve growth factor and the neostriatum. Altar CA. **Prog Neuropsychopharmacol Biol Psychiatry** 1991; 15(2):157–69 (72 ref.)

PHYSIOPATHOLOGY

The nigrostriatal system in Parkinson's disease. Graybiel AM, et al. **Adv Neurol** 1990;53:17–29 (29 ref.)

Subcognitive processing in the frontocaudate "complex loop": the role of the striatum. Taylor AE, et al. **Alzheimer Dis Assoc Disord** 1990 Fall;4(3):150–60 (39 ref.)

A possible pathophysiologic substrate of attention deficit hyperactivity disorder. Heilman KM, et al. **J Child Neurol** 1991;6 Suppl:S76–81 (50 ref.)

Schizophrenia: a subcortical neurotransmitter imbalance syndrome? Carlsson M, et al. **Schizophr Bull** 1990; 16(3):425–32 (40 ref.)

The case of frontostriatal dysfunction in schizophrenia. Robbins TW. **Schizophr Bull** 1990;16(3):391–402 (56 ref.)

Is there a right hemi-hyper-dopaminergic psychosis? Bracha HS. **Schizophr Res** 1989 Jul-Oct;2(4–5):317–24 (90 ref.)

Role of neostriatal and mesostriatal or mesolimbic dopaminergic fibres in Parkinson's disease with and without dementia: prospects, concepts and facts. Cools AR. **Yakubutsu Seishin Kodo** 1990 Mar;10(1):15–34 (117 ref.)

[Anatomo-physiologic substratum of akinesia in primates] Percheron G, et al. **Rev Neurol (Paris)** 1990;146(10):575–84 (64 ref.) (Eng. Abstr.) **(Fre)**

TRANSPLANTATION

[Protective effect of intrastriatal grafts in an experimental model of Huntington's disease. Behavioral and morphological correlation] Levivier M, et al. **Neurochirurgie** 1991;37(3):148–59 (101 ref.) (Eng. Abstr.) **(Fre)**

CORRIDOR DISEASE see **THEILERIASIS**

CORROSION CASTING

Kidney structure investigations using scanning electron microscopy of corrosion casts--a state of the art review. Ditrich H, et al. **Scanning Microsc** 1990 Dec;4(4):943–56 (92 ref.)

Microcirculatory pathways and blood flow in spleen: new insights from washout kinetics, corrosion casts, and quantitative intravital videomicroscopy. Groom AC, et al. **Scanning Microsc** 1991 Mar;5(1):159–73; discussion 173–4 (55 ref.)

CORTEXONE see **DESOXYCORTICOSTERONE**

CORTICAL HYPEROSTOSIS, CONGENITAL see **HYPEROSTOSIS, CORTICAL, CONGENITAL**

CORTICOIDS see **ADRENAL CORTEX HORMONES**

CORTICOSPINAL TRACTS see **PYRAMIDAL TRACTS**

CORTICOSTEROIDS see **ADRENAL CORTEX HORMONES**

CORTICOTROPIN see **ADRENOCORTICOTROPIC HORMONE**

CORTICOTROPIN-RELEASING FACTOR see **CORTICOTROPIN-RELEASING HORMONE**

CORTICOTROPIN-RELEASING HORMONE

ADVERSE EFFECTS

Safety and side effects of human and ovine corticotropin-releasing hormone administration in man. Nink M, et al. **Klin Wochenschr** 1991 Mar 18;69(5):185-95 (69 ref.)

BIOSYNTHESIS

Corticotrophin-releasing hormone production by the placenta and fetal membranes. Riley SC, et al. **Placenta** 1991 Mar-Apr;12(2):105-19 (82 ref.)

[Current findings in the regulation of formation of corticoliberin, pro-opiomelanocortin and ACTH as well as the efficacy of these compounds] Kolb E. **Z Gesamte Inn Med** 1990 Jul 15;45(14):397-402 (63 ref.) (Eng. Abstr.) **(Ger)**

BLOOD

Circulating corticotropin-releasing factor in pregnancy. Linton EA, et al. **Adv Exp Med Biol** 1990;274:147-64 (68 ref.)

DIAGNOSTIC USE

Corticotropin-releasing hormone testing in pituitary disease. Loriaux DL, et al. **Endocrinol Metab Clin North Am** 1991 Jun;20(2):363-9 (12 ref.)

PHARMACOLOGY

Physiological and behavioral responses to corticotropin-releasing factor administration: is CRF a mediator of anxiety or stress responses? Dunn AJ, et al. **Brain Res Brain Res Rev** 1990 May-Aug;15(2):71-100 (267 ref.)

Central effects of CRF on metabolism and energy balance. Rothwell NJ. **Neurosci Biobehav Rev** 1990 Fall; 14(3):263-71 (122 ref.)

PHYSIOLOGY

Involvement of placental neurohormones in human parturition. Petraglia F, et al. **Ann N Y Acad Sci** 1991; 622:331-40 (53 ref.)

Neuropeptides and neurotransmitters in Alzheimer's disease: focus on corticotrophin releasing factor. Doraiswamy PM, et al. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):59-77 (52 ref.)

Central regulation of stress responses: regulation of the autonomic nervous system and visceral function by corticotrophin releasing factor-41. Fisher LA, et al. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):35-50 (102 ref.)

Role of corticotrophin releasing hormone 41 in depressive illness. Licinio J, et al. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):51-8 (33 ref.)

Stress, performance, and arousal: focus on CRF. Koob GF, et al. **NIDA Res Monogr** 1990;97:163-76 (37 ref.)

[Effect of neurohormones on the secretion of hormones of the anterior pituitary gland] Kosowicz J. **Acta Physiol Pol** 1989;40 Suppl 34:1-10 (16 ref.) **(Pol)**

SECRETION

Central neuroregulation of hypothalamic corticotropin-releasing hormone (CRH-41) secretion. Tsagarakis S, et al. **J Endocrinol Invest** 1990 Oct; 13(9):765-75 (80 ref.)

THERAPEUTIC USE

Preclinical and clinical studies with corticotropin-releasing factor: implications for affective disorders. Owens MJ, et al. **Psychopharmacol Bull** 1988;24(3):355-9 (20 ref.)

CORTICOTROPIN-RELEASING HORMONE-41 see **CORTICOTROPIN-RELEASING HORMONE**

CORTI'S ORGAN see **ORGAN OF CORTI**

CORTISOL see **HYDROCORTISONE**

CORYNEBACTERIUM

ISOLATION & PURIFICATION

Tracheobronchitis due to Corynebacterium pseudodiphtheriticum. Craig TJ, et al. **South Med J** 1991 Apr;84(4):504-6 (9 ref.)

METABOLISM

Network rigidity and metabolic engineering in metabolite overproduction. Stephanopoulos G, et al. **Science** 1991 Jun 21;252(5013):1675-81 (49 ref.)

CORYNEBACTERIUM DIPHTHERIAE

see related
DIPHTHERIA TOXIN

CORYNEBACTERIUM DIPHTHERIAE TOXIN see **DIPHTHERIA TOXIN**

CORYNEBACTERIUM EQUI see **RHODOCOCCUS**

CORYNEBACTERIUM INFECTIONS

Necrotizing tracheitis caused by Corynebacterium pseudodiphtheriticum: unique case and review. Colt HG, et al. **Rev Infect Dis** 1991 Jan-Feb;13(1):73-6 (16 ref.)

Tracheobronchitis due to Corynebacterium pseudodiphtheriticum. Craig TJ, et al. **South Med J** 1991 Apr;84(4):504-6 (9 ref.)

CORYNEBACTERIUM VAGINALE see **GARDNERELLA VAGINALIS**

CORYNEFORM GROUP

[Infections caused by Corynebacterium group 2] Fernández-Roblas R, et al. **Enferm Infecc Microbiol Clin** 1991 Mar;9(3):168-71 (37 ref.) **(Spa)**

CORYZA, ACUTE see **COMMON COLD**

CORYZA VIRUSES see **RHINOVIRUSES**

COSMETICS

Eye cosmetics. Draelos ZK. **Dermatol Clin** 1991 Jan;9(1):1-7 (17 ref.)

Cosmetics in blacks. Grimes PE, et al. **Dermatol Clin** 1991 Jan;9(1):53-68 (44 ref.)

Dry skin, water, and lubrication. Lazar AP, et al. **Dermatol Clin** 1991 Jan;9(1):45-51 (21 ref.)

Cosmetics for the elderly. O'Donoghue MN. **Dermatol Clin** 1991 Jan;9(1):29-34 (15 ref.)

Sunscreen. The ultimate cosmetic. O'Donoghue MN. **Dermatol Clin** 1991 Jan;9(1):99-104 (40 ref.)

ADVERSE EFFECTS

Nail cosmetics. Barnett JM, et al. **Dermatol Clin** 1991 Jan; 9(1):9-17 (32 ref.)

Cosmetics and contact dermatitis. Engasser PG. **Dermatol Clin** 1991 Jan;9(1):69-80 (87 ref.)

[Contact hypersensitivity to Kathon CG. Apropos of 35 cases among 977 tested subjects] Ledieu G, et al. **Ann Dermatol Venereol** 1991;118(3):181-9 (41 ref.) **(Eng. Abstr.)** **(Fre)**

CHEMISTRY

The cosmetic ingredient review self-regulatory safety program. Bergfeld WF, et al. **Dermatol Clin** 1991 Jan; 9(1):105-22 (6 ref.)

POISONING

Cyanide toxicity from acetonitrile-containing false nail remover. Geller RJ, et al. **Am J Emerg Med** 1991 May; 9(3):268-70 (15 ref.)

Cyanide poisoning from a cosmetic nail remover. Losek JD, et al. **Pediatrics** 1991 Aug;88(2):337-40 (16 ref.)

COSMETICS, HAIR see **HAIR PREPARATIONS**

COSMIDS

see related
CLONING, MOLECULAR

COST ALLOCATION

ORGANIZATION & ADMINISTRATION

Overlooked connections: policy development and implementation in state-local relations. Paul-Shaheen PA. **J Health Polit Policy Law** 1990 Winter;15(4):833-56 (22 ref.)

COST APPORTIONMENT see **COST ALLOCATION**

COST BENEFIT ANALYSIS

METHODS

On the (near) equivalence of cost-effectiveness and cost-benefit analyses. Phelps CE, et al. **Int J Technol Assess Health Care** 1991;7(1):12-21 (9 ref.)

Evaluation of the costs and benefits of reducing hospital infection. Drummond MF, et al. **J Hosp Infect** 1991 Jun; 18 Suppl A:85-93 (19 ref.)

COST CONTAINMENT see **COST CONTROL**

COST CONTROL

The fat kid on the seesaw: American business and health care cost containment, 1970-1990. Bergthold L. **Annu Rev Public Health** 1991;12:157-75 (59 ref.)

The 20-year experiment: accounting for, explaining, and evaluating health care cost containment in Canada and the United States. Evans RG, et al. **Annu Rev Public Health** 1991;12:481-518 (92 ref.)

Antiulcer therapy: an exercise in formulary management. Foulke GE, et al. **J Clin Gastroenterol** 1990;12 Suppl 2:S64-8 (11 ref.)

METHODS

Should the health care forest be selectively thinned by physicians or clear cut by payers? Welch HG. **Ann Intern Med** 1991 Aug 1;115(3):223-6 (29 ref.)

COST EFFECTIVENESS see **COST BENEFIT ANALYSIS**

COST SHIFTING see **COST ALLOCATION**

COSTEN'S SYNDROME see **TEMPOROMANDIBULAR JOINT SYNDROME**

COSTS AND COST ANALYSIS

STATISTICS & NUMERICAL DATA

What is the actual cost of neonatal intensive care? Ewald U. **Int J Technol Assess Health Care** 1991;7 Suppl 1:155-61 (14 ref.)

COT DEATH see **SUDDEN INFANT DEATH**

COTURNIX

GENETICS

Genetic factors accountable for line-specific DNA fingerprint bands in quail. Hillel J, et al. **Experientia Suppl** 1991;58:263-73 (24 ref.)

PHYSIOLOGY

Aggressive behavior in birds: an experimental model for studies of brain-steroid interactions. Schlinger BA, et al. **Comp Biochem Physiol [A]** 1990;97(3):307-16 (79 ref.)

COUGH

see related
EXPECTORANTS

CHEMICALLY INDUCED

ACE inhibitor-induced cough. Do TM, et al. **DICP** 1990 Nov;24(11):1059-60 (17 ref.)

Pharmacology of inhaled capsaicin in humans. Fuller RW. **Respir Med** 1991 Jan;85 Suppl A:31-4 (29 ref.)

Mechanism of capsaicin action: recent learnings. O'Neill TP. **Respir Med** 1991 Jan;85 Suppl A:35-41 (61 ref.)

COMPLICATIONS

Cough-type asthma: a review. O'Connell EJ, et al. **Ann Allergy** 1991 Apr;66(4):278-82, 285 (41 ref.)

DIAGNOSIS

Cough variant asthma: a review of the clinical literature [see comments] Johnson D, et al. **J Asthma** 1991;28(2):85-90 (18 ref.) Comment in: J Asthma 1991;28(2):83-4.

Cough-variant asthma in children and adults: case reports and review. Pender ES, et al. **J Emerg Med** 1990 Nov-Dec; 8(6):727-31 (22 ref.)

Chronic cough in children. Kamei RK. **Pediatr Clin North Am** 1991 Jun;38(3):593-605 (22 ref.)

DRUG THERAPY

The treatment of cough. A comprehensive review. Irwin RS, et al. **Chest** 1991 Jun;99(6):1477-84 (68 ref.)

ETIOLOGY

Cough variant asthma: a review of the clinical literature. Johnson D, et al. **J Asthma** 1991;28(2):85-90 (18 ref.)

PHYSIOPATHOLOGY

Peripheral opioid receptors and the cough reflex. Adcock JJ. **Respir Med** 1991 Jan;85 Suppl A:43-6 (23 ref.)

Aspects of the cough reflex. Korpas J, et al. **Respir Med** 1991 Jan;85 Suppl A:3-5 (36 ref.)

[Cough--physiologic reflex and symptom of illness] Barthel E. **Z Arztl Fortbild (Jena)** 1990;84(14):699-704 (53 ref.) **(Ger)**

COUMARINS

The pharmacology, metabolism, analysis, and applications of coumarin and coumarin-related compounds. Egan D, et al. **Drug Metab Rev** 1990;22(5):503-29 (89 ref.)

ADVERSE EFFECTS

[The pathophysiology, clinical picture and treatment of coumarin-induced necrosis] Wankmüller H, et al. **Dtsch Med Wochenschr** 1991 Aug 30;116(35):1322-30 (60 ref.) **(Ger)**

PHARMACOLOGY

The pharmacology of aspirin, heparin, coumarin, and thrombolytic agents. Implications for therapeutic use in

cardiopulmonary disease. Kessler CM. **Chest** 1991 Apr;99(4 Suppl):97S–112S (67 ref.)

THERAPEUTIC USE

Macrophage and tissue changes in the developmental phases of secondary lymphoedema and during conservative therapy with benzopyrone. Piller NB. **Arch Histol Cytol** 1990;53 Suppl:209–18 (67 ref.)

COUMARONES see **BENZOFURANS**

COUNSELING

Counselling for HIV infection and AIDS: the past and the future. Green J. **AIDS Care** 1989;1(1):5–10 (26 ref.)
Counseling the patient with heartburn. Horn JR. **Am Pharm** 1991 Mar;NS31(3):86–91 (20 ref.)
Counseling and therapy for sexual problems in the elderly. LoPiccolo J. **Clin Geriatr Med** 1991 Feb;7(1):161–79 (29 ref.)
Preconception care. Jack BW, et al. **J Fam Pract** 1991 Mar; 32(3):306–15 (88 ref.)
Screening couples for parenthood by donor insemination. Humphrey M, et al. **Soc Sci Med** 1991;32(3):273–8 (25 ref.)
Counseling patients seropositive for human immunodeficiency virus. An approach for medical practice. Coates TJ, et al. **West J Med** 1990 Dec;153(6):629–34 (50 ref.)
[Integration of psychological management strategies in the treatment course of breast carcinoma] Langer M, et al. **Wien Klin Wochenschr** 1990 Dec 7;102(23):683–7 (22 ref.) (Eng. Abstr.) **(Ger)**

METHODS

How to help your patients stop smoking [see comments] Husten CG, et al. **Am Fam Physician** 1990 Oct; 42(4):1017–26 (29 ref.) Comment in: Am Fam Physician 1991 Jul;44(1):46, 49–50.
Health counseling of adolescents. Joffe A, et al. **Pediatr Rev** 1991 May;12(11):344–51 (20 ref.)
Family counseling and legal issues in Alzheimer's disease. Levine J, et al. **Psychiatr Clin North Am** 1991 Jun; 14(2):385–96 (39 ref.)

COUNSELING, SEX see **SEX COUNSELING**

COUNTERIRRITANTS see **IRRITANTS**

COUNTERPULSATION

see related
HEART-ASSIST DEVICES

External counterpulsation. Xu YY, et al. **Chin Med J [Engl]** 1990 Sep;103(9):768–71 (17 ref.)

COUNTERPULSATION, EXTERNAL see **COUNTERPULSATION**

COUNTERTRANSFERENCE (PSYCHOLOGY)

New uses of countertransference for the inpatient treatment of borderline personality disorder. Rosenbluth M. **Can J Psychiatry** 1991 May;36(4):280–4 (31 ref.)
Emotional induction: communication via the countertransference. Lotterman A. **J Am Acad Psychoanal** 1990 Winter;18(4):587–612 (50 ref.)

COUPLING FACTOR 1 see **H(+)-TRANSPORTING ATPASE**

COWDEN'S DISEASE see **HAMARTOMA SYNDROME, MULTIPLE**

COXA see **HIP**

COXA PLANA see **LEGG-PERTHES DISEASE**

COXARTHROSIS see **OSTEOARTHRITIS, HIP**

COXIELLA

PATHOGENICITY

Pathogenesis of rickettsial infections emphasis on Q fever. Baca OG. **Eur J Epidemiol** 1991 May;7(3):222–8 (59 ref.)

COXSACKIEVIRUS INFECTIONS

DIAGNOSIS

[Myocarditis and cardiomyopathy] Pietrzak M, et al. **Pol Arch Med Wewn** 1990 Mar;83(3):143–8 (39 ref.) **(Pol)**

CPM THERAPY see **MOTION THERAPY, CONTINUOUS PASSIVE**

CRAMP see **MUSCLE CRAMP**

CRANIAL FOSSA, POSTERIOR

Posterior fossa ependymomas: report of 30 cases and review of the literature. Lyons MK, et al. **Neurosurgery** 1991 May; 28(5):659–64; discussion 664–5 (53 ref.)
[Posterior fossa hemorrhage 11 years after the use of silastic dural substitute: case report] Gondo G, et al. **No Shinkei Geka** 1991 Jan;19(1):59–62 (8 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Surgical approaches to posterior fossa arteriovenous malformations. Stein BM, et al. **Clin Neurosurg** 1991; 37:353–71 (23 ref.)

CRANIAL IRRADIATION

Long-term consequences of CNS treatment for childhood cancer, Part I: Pathologic consequences and potential for oncogenesis. Cohen ME, et al. **Pediatr Neurol** 1991 May–Jun;7(3):157–63 (48 ref.)

ADVERSE EFFECTS

Cognitive deficits in children treated for leukaemia. Eiser C. **Arch Dis Child** 1991 Jan;66(1):164–8 (45 ref.)

INSTRUMENTATION

Radiosurgery: a nursing perspective. Krause EA, et al. **J Neurosci Nurs** 1991 Feb;23(1):24–8 (7 ref.)

CRANIAL NERVE DISEASES

CHEMICALLY INDUCED

Multiple cranial nerve deficits after ethylene glycol poisoning. Spillane L, et al. **Ann Emerg Med** 1991 Feb; 20(2):208–10 (6 ref.)

CONGENITAL

The syndrome of Möbius sequence, peripheral neuropathy, and hypogonadotropic hypogonadism. Kawai M, et al. **Am J Med Genet** 1990 Dec;37(4):578–82 (9 ref.)

DIAGNOSIS

[Diagnostic contribution of the new imaging systems in arterial and nerve disorders of the posterior fossa] Darrouzet V, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991; 112(3):239–44 (31 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Apert syndrome. Diagnosis and treatment of craniostenosis and intracranial anomalies. Humphreys RP. **Clin Plast Surg** 1991 Apr;18(2):231–5 (16 ref.)
[Lesions of the cranial nerves and brain stem] Malin JP. **Verh Dtsch Ges Inn Med** 1990;96:547–53 (22 ref.) **(Ger)**

PHYSIOPATHOLOGY

Paresis of cranial nerves III, IV, and VI: clinical manifestation and differential diagnosis. Carlow TJ. **Bull Soc Belge Ophtalmol** 1989;237:285–301 (43 ref.)

CRANIAL NERVE NEOPLASMS

Optic nerve gliomas and meningiomas. Dutton JJ. **Neurol Clin** 1991 Feb;9(1):163–77 (114 ref.)
Glossopharyngeal schwannoma: review of five cases and the literature. Sweasey TA, et al. **Surg Neurol** 1991 Feb; 35(2):127–30 (17 ref.)
Neurinoma of the spinal accessory nerve: report of a case. Chang KC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1990 Jul; 89(7):593–7 (25 ref.)

DIAGNOSIS

Vagal schwannoma. Heitmiller RF, et al. **Ann Thorac Surg** 1990 Nov;50(5):811–3 (7 ref.)
Tumors of the optic nerve. Blodi FC. **Metab Pediatr Syst Ophthalmol** 1990;13(2–4):47–9 (0 ref.)
Good hearing-conservation program detects impairment and saves lives. Sataloff RT, et al. **Occup Health Saf** 1991 Apr; 60(4):46, 48–50 (20 ref.)
[2 cases of neurinoma of the mastoidal portion of the facial nerve: diagnostic contribution of MRI] Truy E, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991;112(3):223–7 (23 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Chemotherapeutic treatment of extensive optic pathway tumors in infants. Kretschmar CS, et al. **J Neurooncol** 1991 Jun;10(3):263–70 (41 ref.)

PATHOLOGY

Neurilemmoma of the mental nerve. Artzi Z, et al. **J Oral Maxillofac Surg** 1991 Feb;49(2):196–200 (41 ref.)
[Neurofibroma originated from the intrathoracic vagal nerve in a patient with von Recklinghausen's disease--a case report] Matsukuma S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Jul;38(7):1188–91 (24 ref.) (Eng. Abstr.) **(Jpn)**
[Clinical pathology of olfactory neurinomas in the light of current literature] Loba E, et al. **Otolaryngol Pol** 1990; 44(1):43–8 (22 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

[A case of intracranial hypoglossal neurinoma with no preoperative hypoglossal nerve palsy] Yamaguchi F, et al. **No Shinkei Geka** 1990 Oct;18(10):963–7 (11 ref.) (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Chiasmal gliomas: results of irradiation management in 57 patients and review of literature. Bataini JP, et al. **Int J Radiat Oncol Biol Phys** 1991 Aug;21(3):615–23 (27 ref.)
Efficacy and complications of radiotherapy of anterior visual pathway tumors. Capo H, et al. **Neurol Clin** 1991 Feb; 9(1):179–203 (131 ref.)

SURGERY

Hypoglossal neuroma following excision of a huge recurrent acoustic neuroma and facio-hypoglossal anastomosis. A complex management problem. Bordi L, et al. **Acta Neurochir (Wien)** 1990;104(3–4):143–6 (13 ref.)
Sixth nerve schwannomas. Report of two cases. Tung H, et al. **J Neurosurg** 1991 Oct;75(4):638–41 (15 ref.)

THERAPY

Optic pathway gliomas in neurofibromatosis. Dunn DW, et al. **Dev Med Child Neurol** 1990 Sep;32(9):820–4 (25 ref.)

CRANIAL NERVES

PHYSIOPATHOLOGY

[The upper cervical spine. Symptomatology, clinical diagnosis and therapy of functional disorder] Baumgartner H. **Orthopade** 1991 Apr;20(2):127–32 (9 ref.) (Eng. Abstr.) **(Ger)**

CRANIAL SINUS THROMBOSIS see **SINUS THROMBOSIS**

CRANIAL SINUSES

ABNORMALITIES

Increased intracranial pressure as a complication of unilateral radical neck dissection in a patient with congenital absence of the transverse sinus. Lydiatt DD, et al. **Head Neck** 1991 Jul–Aug;13(4):359–62 (11 ref.)
[Superior petrosal sinus dural arteriovenous malformation with varix indenting brain stem--report of a case and review of the literature] Nishino A, et al. **No To Shinkei** 1991 Jan;43(1):62–9 (25 ref.) (Eng. Abstr.) **(Jpn)**

CRANIOFACIAL DYSOSTOSIS

CHEMICALLY INDUCED

Spirosolane-containing Solanum species and induction of congenital craniofacial malformations. Keeler RF, et al. **Toxicon** 1990;28(8):873–84 (27 ref.)

PATHOLOGY

Structural abnormalities of the craniofacial complex and congenital malformations. Poole AE, et al. **Pediatr Clin North Am** 1991 Oct;38(5):1089–125 (24 ref.)

CRANIOLOGY

see related
CEPHALOMETRY

CRANIOMANDIBULAR DISORDERS see **TEMPOROMANDIBULAR JOINT SYNDROME**

CRANIOMETRY

see related
CEPHALOMETRY

CRANIOPHARYNGIOMA

SURGERY

[Treatment of suprasellar arachnoid cysts by percutaneous transfrontal ventriculocystostomy. Apropos of a series of 17 cases] Pierre-Kahn A, et al. **Neurochirurgie** 1990; 36(6):370–7 (48 ref.) (Eng. Abstr.) **(Fre)**
[A case of bacterial aneurysm following Hardy's operation] Takahashi Y, et al. **No Shinkei Geka** 1991 Jul;19(7):665–9 (20 ref.) (Eng. Abstr.) **(Jpn)**
[Entirely suprasellar symptomatic Rathke's cleft cyst] Yuge T, et al. **No Shinkei Geka** 1991 Mar;19(3):273–8 (16 ref.) (Eng. Abstr.) **(Jpn)**

CRANIOSYNOSTOSES

Baller-Gerold syndrome: an 11th case of craniosynostosis

and radial aplasia. Boudreaux JM, et al.
Am J Med Genet 1990 Dec;37(4):447–50 (10 ref.)

GENETICS

[Historic, social psychiatric, genetic and anthropologic aspects of turricephaly] Fehlow P. **Padiatr Grenzgeb** 1990; 29(4):305–17 (69 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Evolving concepts in the pre-operative management and surgical treatment of craniosynostosis. Francel PC, et al. **Indian J Pediatr** 1991 Mar–Apr;58(2):183–90 (18 ref.)
[Dolicocephaly and premature synostosis of the sagittal suture] Fehlow P. **Zentralbl Neurochir** 1990;51(3):147–52 (57 ref.) (Eng. Abstr.) **(Ger)**

CRANIOTOMY

ADVERSE EFFECTS

Infections with Chryseomonas luteola (CDC group Ve-1) and Flavimonas oryzihabitans (CDC group Ve-2) in neurosurgical patients. Kostman JR, et al.
Rev Infect Dis 1991 Mar–Apr;13(2):233–6 (17 ref.)

CRANIUM see **SKULL**

CRATAEGUS see **PLANTS, MEDICINAL**

CRD-401 see **DILTIAZEM**

CREATINE

CHEMISTRY

A review of chemical issues in 1H NMR spectroscopy: N-acetyl-L-aspartate, creatine and choline. Miller BL.
NMR Biomed 1991 Apr;4(2):47–52 (47 ref.)

CREATINE KINASE

BLOOD

Elevated creatine kinase and malignancy. Eng C, et al.
Hosp Pract [Off] 1990 Dec 15;25(12):123, 126, 129–30 (11 ref.)

CREATINE KINASE ISOENZYMES

BLOOD

Rapid diagnosis of myocardial infarction and reperfusion by assay of plasma isoforms of creatine kinase isoenzymes. Abendschein DR. **Clin Biochem** 1990 Oct;23(5):399–407 (34 ref.)

CREATINE KINASE ISOZYMES see **CREATINE KINASE ISOENZYMES**

CREATINE PHOSPHOKINASE see **CREATINE KINASE**

CREATININE

METABOLISM

[Is it possible to use creatinine for following the development of renal insufficiency?] Labeeuw M, et al. **Nephrologie** 1990; 11(4):231–5 (23 ref.) (Eng. Abstr.) **(Fre)**
[Evaluation of renal function in chronic renal disease with special reference to creatinine] Sugino N.
Nippon Jinzo Gakkai Shi 1990 Jul;32(7):745–50 (30 ref.) (Eng. Abstr.) **(Jpn)**

CREATIVENESS

Creativity in adolescence. Rothenberg A.
Psychiatr Clin North Am 1990 Sep;13(3):415–34 (53 ref.)
The creative process: a functional model based on empirical studies from early childhood to middle age. Smith GJ, et al. **Psychol Issues** 1990;(57):1–243 (172 ref.)
[Psychoanalytic observations on musical creativity] Rauchfleisch U. **Psyche (Stuttg)** 1990 Dec;44(12):1113–40 (60 ref.) (Eng. Abstr.) **(Ger)**

CREEPING ERUPTION see **LARVA MIGRANS**

CREUTZFELDT-JAKOB SYNDROME

[Creutzfeldt-Jacob disease: etiology and epidemiology] Meiner Z, et al. **Harefuah** 1991 Jan 1;120(1):19–22 (31 ref.) **(Heb)**

ETIOLOGY

Creutzfeldt-Jakob disease following treatment with human pituitary hormones. Preece MA. **Clin Endocrinol (Oxf)** 1991 Jun;34(6):527–9 (19 ref.)
Creutzfeldt-Jakob disease from allogeneic dura: a review of risks and safety. Marx RE, et al.
J Oral Maxillofac Surg 1991 Mar;49(3):272–4; discussion 274–5 (11 ref.)

GENETICS

Inherited human prion diseases. Hsiao K, et al. **Neurology** 1990 Dec;40(12):1820–7 (70 ref.)

MICROBIOLOGY

Scrapie and Creutzfeldt-Jakob disease prions. Prusiner SB, et al. **Microbiol Sci** 1985;2(2):33–9 (54 ref.)
[The biology of prions, a response to the enigma of spongiform encephalopathies of sheep and humans] Cambier J. **Bull Acad Natl Med** 1990 Dec;174(9):1353–7; discussion 1357–9 (11 ref.) (Eng. Abstr.) **(Fre)**

NURSING

Creutzfeldt-Jakob disease. A fatal neurodegenerative transmissible disorder. Bailes BK. **AORN J** 1990 Nov; 52(5):976–7, 980–5 (42 ref.)

PREVENTION & CONTROL

Inactivation of the unconventional agents of scrapie, bovine spongiform encephalopathy and Creutzfeldt-Jakob disease. Taylor DM. **J Hosp Infect** 1991 Jun;18 Suppl A:141–6 (51 ref.)
Precautions prevent spread of Creutzfeldt-Jakob disease. Mocsny N. **J Neurosci Nurs** 1991 Apr;23(2):116–9 (30 ref.)

TRANSMISSION

"Life, Jim, but not as we know it"? Transmissible dementias and the prion protein. Harrison PJ, et al.
Br J Psychiatry 1991 Apr;158:457–70 (145 ref.)

CRF-41 see **CORTICOTROPIN-RELEASING HORMONE**

CRI-DU-CHAT SYNDROME

GENETICS

Phenotypic and phoniatric findings in mosaic cri du chat syndrome. Romano C, et al. **Am J Med Genet** 1991 Jun 15;39(4):391–5 (16 ref.)

CRIB DEATH see **SUDDEN INFANT DEATH**

CRIBRIFORM PLATE see **ETHMOID BONE**

CRICETINAE see **HAMSTERS**

CRICETUS see **HAMSTERS**

CRICOID CARTILAGE

Rhabdomyoma of the cricopharyngeus in an infant. Pownell PH, et al. **Int J Pediatr Otorhinolaryngol** 1990 Nov; 20(2):149–58 (24 ref.)
[The cricoarytenoid joint in chronic polyarthritis] Bolten W. **Z Rheumatol** 1991 Jan–Feb;50(1):1–5 (53 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

[Supracricoid hemilaryngectomy] Talavera Sánchez J, et al. **An Otorrinolaringol Ibero Am** 1991;18(2):109–25 (55 ref.) (Eng. Abstr.) **(Spa)**

CRIGLER-NAJJAR SYNDROME

GENETICS

[Crigler-Najjar syndrome type II occurring in twins] Hernández González J, et al. **An Esp Pediatr** 1990 Oct; 33(4):376–80 (20 ref.) **(Spa)**

CRIME

Local crime as a natural hazard: implications for understanding the relationship between disorder and fear of crime. Taylor RB, et al. **Am J Community Psychol** 1990 Oct;18(5):619–41 (60 ref.)
Vulnerability: towards a better understanding of a key variable in the genesis of fear of crime. Killias M.
Violence Vict 1990 Summer;5(2):97–108 (39 ref.)

LEGISLATION & JURISPRUDENCE

Premenstrual syndrome as a criminal defense. Lewis JW.
Arch Sex Behav 1990 Oct;19(5):425–41 (80 ref.)
Nosologic objections to the criminal defense of pathological intoxication: what do the doubters doubt? Tiffany LP, et al. **Int J Law Psychiatry** 1990;13(1–2):49–75 (105 ref.)
Children on the stand: the obligation to speak the truth. Burton RV, et al. **J Dev Behav Pediatr** 1991 Apr; 12(2):121–8 (66 ref.)
DNA tests in criminal prosecutions. Too much evidence or not enough? Hoke PA. **J Leg Med** 1990 Dec;11(4):481–512 (178 ref.)
Women, violent crime and the menstrual cycle: a review [see comments] Vanezis P. **Med Sci Law** 1991 Jan;31(1):11–4 (19 ref.) Comment in: Med Sci Law 1991 Apr;31(2):183.

STATISTICS & NUMERICAL DATA

Alcohol and crimes of violence: present issues. Murdoch D, et al. **Int J Addict** 1990 Sep;25(9):1065–81 (60 ref.)

CRIMINAL JUSTICE see **CRIMINAL LAW**

CRIMINAL LAW

Volition, deception, and the evolution of justice. Beahrs JO.
Bull Am Acad Psychiatry Law 1991;19(1):81–93 (54 ref.)
The unique treatment needs of female substance abusers in correctional institutions: the obligation of the criminal justice system to provide parity of services. Yang SS.
Med Law 1990;9(4):1018–27 (33 ref.)
Contributions of family violence research to criminal justice policy on wife assault: paradigms of science and social control. Fagan J. **Violence Vict** 1988 Fall;3(3):159–86 (130 ref.)
Predictions of dangerousness: an argument for limited use. Miller M, et al. **Violence Vict** 1988 Winter;3(4):263–83 (60 ref.)

LEGISLATION & JURISPRUDENCE

Posttraumatic stress disorder in tort actions: forensic minefield. Sparr LF, et al.
Bull Am Acad Psychiatry Law 1990;18(3):283–302 (77 ref.)

TRENDS

Monitored conditional release of persons found not guilty by reason of insanity. Bloom JD, et al.
Am J Psychiatry 1991 Apr;148(4):444–8 (53 ref.)

CRIMINAL PSYCHOLOGY

Crime at home and in the streets: the relationship between family and stranger violence. Fagan J, et al.
Violence Vict 1987 Spring;2(1):5–23 (110 ref.)
Stakes and risks in the prediction of violent criminal behavior. Gottfredson DM, et al. **Violence Vict** 1988 Winter; 3(4):247–62 (92 ref.)
Violence prediction methods: statistical and clinical strategies. Gottfredson SD, et al. **Violence Vict** 1988 Winter; 3(4):303–24 (120 ref.)
[Criteria related to assessment of affective offenses] Rösler M. **Nervenarzt** 1991 Jan;62(1):49–54 (18 ref.) **(Ger)**

CRIPPLED see **HANDICAPPED**

CRISIS INTERVENTION

Suicide notes and their implications for intervention. Leenaars AA. **Crisis** 1991 Apr;12(1):1–20 (37 ref.)
Adolescent suicide. Prevention, intervention, and postvention. Pallikkathayil L, et al.
Nurs Clin North Am 1991 Sep;26(3):623–34 (27 ref.)
[The family—an underestimated but heavily burdened resource in health care] Bergmark T, et al.
Lakartidningen 1990 Oct 10;87(41):3287–8 (28 ref.) **(Swe)**

CRITHIDIA

ENZYMOLOGY

Preliminary crystallographic analysis of trypanothione reductase from Crithidia fasciculata. Kuriyan J, et al.
J Mol Biol 1990 Oct 5;215(3):335–7 (20 ref.)

CRITICAL CARE

see related
INTENSIVE CARE UNITS

Complement activation and organ function in critically ill surgical patients. Bengtson A, et al. **Acute Care** 1988–89; 14–15:111–37 (219 ref.)
Energy metabolism and indirect calorimetry in critically ill and injured patients. Bursztein S, et al. **Acute Care** 1988–89; 14–15:91–110 (38 ref.)
Anesthetic pharmacology and critical care. Cullen DJ.
Acute Care 1988–89;14–15:3–25 (59 ref.)
Respiratory muscle function in the critically ill patient. Fitting JW. **Acute Care** 1988–89;14–15:313–49 (173 ref.)
Blood clotting problems in acute care. Hardaway RM, et al. **Acute Care** 1988–89;14–15:138–207 (263 ref.)
Inotropic and vasoactive drugs for management of the critically ill. McGrath RB. **Acute Care** 1988–89; 14–15:293–312 (192 ref.)
AIDS: pulmonary complications and intensive care. Rosen MJ. **Acute Care** 1988–89;14–15:229–43 (55 ref.)
Postoperative and traumatic sepsis-like syndrome: a new understanding. Schlag G, et al. **Acute Care** 1988–89; 14–15:244–69 (195 ref.)
Mechanical assist devices in intensive cardiac care. Miller LW. **Am Heart J** 1991 Jun;121(6 (Pt 1)):1887–92 (36 ref.)
Liver dysfunction in critical illness. Hawker F.
Anaesth Intensive Care 1991 May;19(2):165–81 (184 ref.)
Assessment of oxygenation in the critically ill. Clapham MC.
Ann Clin Biochem 1991 Jan;28 (Pt 1):27–33 (19 ref.)
Education for critical care nursing. Kinney MR.
Annu Rev Nurs Res 1990;8:161–76 (26 ref.)
Oxygen delivery in the critically ill. Vincent JL.
Can J Anaesth 1991 May;38(4 Pt 2):R39–47 (26 ref.) **(Eng, Fre)**
Continuous lateral rotational therapy and nosocomial pneumonia. Sahn SA. **Chest** 1991 May;99(5):1263–7 (35 ref.)
Steroids and biologic agents in the intensive care unit. Allen RP, et al. **Crit Care Clin** 1991 Jul;7(3):695–711 (95 ref.)

Toxic effects of electrolyte and trace mineral administration in the intensive care unit. Besunder JB, et al. **Crit Care Clin** 1991 Jul;7(3):659–93 (181 ref.)

Opioids and other analgesics. Adverse effects in the intensive care unit. Buck ML, et al. **Crit Care Clin** 1991 Jul; 7(3):615–37 (138 ref.)

Toxic effects of drugs used in the ICU. Nitroprusside, nitroglycerin, and angiotensin–converting enzyme inhibitors. Curry SC, et al. **Crit Care Clin** 1991 Jul; 7(3):555–81 (221 ref.)

Toxic effects of drugs used in the ICU. Anticonvulsant agents. Dreifuss FE. **Crit Care Clin** 1991 Jul;7(3):521–32 (56 ref.)

Neuromuscular blocking agents and sedative drugs. Clinical uses and toxic effects in the critical care unit. Durbin CG Jr. **Crit Care Clin** 1991 Jul;7(3):489–506 (94 ref.)

Toxic effects of drugs used in the ICU. Anticoagulants and thrombolytics. Risks and benefits. Guidry JR, et al. **Crit Care Clin** 1991 Jul;7(3):533–54 (162 ref.)

Toxic effects of colloids in the intensive care unit. Nearman HS, et al. **Crit Care Clin** 1991 Jul;7(3):713–23 (26 ref.)

Toxic effects of drugs used in the ICU. Antiarrhythmic agents. Nolan PE Jr, et al. **Crit Care Clin** 1991 Jul; 7(3):507–20 (66 ref.)

Inotropic agents. Catecholamines, digoxin, amrinone. Notterman DA. **Crit Care Clin** 1991 Jul;7(3):583–613 (130 ref.)

Toxicities of parenteral nutrition in the critically ill patient. Phelps SJ, et al. **Crit Care Clin** 1991 Jul;7(3):725–53 (212 ref.)

Toxic effects of drugs used in the ICU. Toxic effects of bronchodilators. Truwit JD. **Crit Care Clin** 1991 Jul; 7(3):639–57 (164 ref.)

Consensus report on the ethics of foregoing life-sustaining treatments in the critically ill. Task Force on Ethics of the Society of Critical Care Medicine. **Crit Care Med** 1990 Dec;18(12):1435–9 (4 ref.)

Research in critical care medicine: present status of critical care investigation. Research Division of the Society of Critical Care Medicine. Parrillo JE. **Crit Care Med** 1991 Apr;19(4):569–77 (13 ref.)

Pathophysiology, monitoring, and management of the ventilator-dependent patient: considerations for drug therapy, emphasis on stress ulcer prophylaxis. Dellinger RP. **DICP** 1990 Nov;24(11 Suppl):S8–11 (16 ref.)

Pathophysiologic changes in the critically ill patient: risk factors for ulceration and altered drug metabolism. Gonzalez ER. **DICP** 1990 Nov;24(11 Suppl):S5–7 (18 ref.)

Assessing the nutritional needs of the critically ill patient. Mirtallo JM. **DICP** 1990 Nov;24(11 Suppl):S20–3 (12 ref.)

Is there a reliable index of glomerular filtration rate in critically ill patients? Robert S, et al. **DICP** 1991 Feb; 25(2):169–78 (73 ref.)

Intensive liver care and management of acute hepatic failure. Williams R, et al. **Dig Dis Sci** 1991 Jun;36(6):820–6 (28 ref.)

Total parenteral nutrition 1990. A review of its current status in hospitalised patients, and the need for patient-specific feeding. Driscoll DF, et al. **Drugs** 1990 Sep;40(3):346–63 (154 ref.)

Categorization of nursing diagnoses [letter] Kuhn R. **Heart Lung** 1991 Jul;20(4):425–6 (0 ref.)

Use of capnography in critically ill adults. Szaflarski NL, et al. **Heart Lung** 1991 Jul;20(4):363–72 (45 ref.)

Dopexamine: studies in the general intensive care unit and after liver transplantation. Burns A, et al. **J Auton Pharmacol** 1990;10 Suppl 1:s109–14 (37 ref.)

Do we need a dopaminergic agent in the management of the critically ill? Vincent JL. **J Auton Pharmacol** 1990;10 Suppl 1:s123–7 (29 ref.)

Critical care medicine. Matthay MA, et al. **JAMA** 1991 Jun 19;265(23):3109–11 (24 ref.)

Radiology in the intensive-care unit. Swensen SJ, et al. **Mayo Clin Proc** 1991 Apr;66(4):396–410 (54 ref.)

Catabolic illness. Strategies for enhancing recovery. Wilmore DW. **N Engl J Med** 1991 Sep 5;325(10):695–702 (56 ref.)

Pediatric interhospital critical care transport: consensus of a national leadership conference. Day S, et al. **Pediatrics** 1991 Oct;88(4):696–704 (32 ref.)

Initial management of trauma. The first 5 minutes. Barton RG, et al. **Postgrad Med** 1990 Oct;88(5):83–90 (20 ref.)

Intensive care management of pneumonia in the elderly. Bell DD, et al. **Semin Respir Infect** 1990 Dec;5(4):276–94 (235 ref.)

Use of inotropic agents in critical illness. Stanford GG. **Surg Clin North Am** 1991 Aug;71(4):683–98 (38 ref.)

[Between therapeutic life support care and passive euthanasia: objective factors of intensive care in aged patients] Maurette P, et al. **Agressologie** 1990;31(10):743–5 (11 ref.) (Eng. Abstr.) **(Fre)**

[Consensus conference in intensive care and emergency medicine. 7th conference: management of non tumoral intracranial hypertension caused by brain edema during intensive care. Paris, December 14 1990] **Ann Fr Anesth Reanim** 1991;10(3):313–4 (0 ref.) **(Fre)**

[Transcranial Doppler in anesthesia and intensive care] Granry JC. **Ann Fr Anesth Reanim** 1991;10(2):127–36 (39 ref.) (Eng. Abstr.) **(Fre)**

[Indications for intensive therapy following gynecologic operations] Brosi F. **Klin Anasthesiol Intensivther** 1989; 37:214–22 (6 ref.) **(Ger)**

[Radiologic monitoring of the mechanically ventilated patient] Jantsch H, et al. **Klin Anasthesiol Intensivther** 1991; 39:134–68; discussion 169–82 (87 ref.) **(Ger)**

[Blood-purifying procedures in intensive medicine] Koller W, et al. **Klin Anasthesiol Intensivther** 1991;39:404–19; discussion 420–4 (23 ref.) **(Ger)**

[Clinical studies and monitoring: bacteriologic monitoring] Konrad F, et al. **Klin Anasthesiol Intensivther** 1991; 39:121–33; discussion 169–82 (35 ref.) **(Ger)**

[Indications for intensive care in obstetrical complications] Lindner KH, et al. **Klin Anasthesiol Intensivther** 1989; 37:130–41 (19 ref.) **(Ger)**

[Current aspects in the diagnosis of pulmonary infections in intensive care patients] Speich R, et al. **Schweiz Med Wochenschr** 1990 Nov 10;120(45):1663–71 (98 ref.) (Eng. Abstr.) **(Ger)**

[Prevention of stress ulcer hemorrhage: a risk–benefit analysis] Jehle EC, et al. **Z Gastroenterol** 1990 Jun; 28(6):315–21 (97 ref.) (Eng. Abstr.) **(Ger)**

[Emergency and critical care problems: acute intestinal ischemia] Encke A. **Z Gastroenterol Verh** 1991 Mar;26:33–4 (18 ref.) **(Ger)**

[Nutrition of the intensive care patient] Gregor M. **Z Gastroenterol Verh** 1991 Mar;26:35–8 (39 ref.) **(Ger)**

[Prevention of stress hemorrhage in critical care patients] Rösch W. **Z Gastroenterol Verh** 1991 Mar;26:29–30 (16 ref.) **(Ger)**

[Modern concepts for the prevention of acute stress hemorrhage] Tryba M, et al. **Z Gastroenterol Verh** 1991 Mar;26:26–8 (36 ref.) **(Ger)**

[Patient status evaluation using severity scores in the general intensive care unit] Gurman G, et al. **Harefuah** 1990 Aug; 119(3–4):101–3 (20 ref.) **(Heb)**

[Hyperbaric oxygen therapy in intensive pathology] Gismondi A, et al. **Minerva Anestesiol** 1990 Jul–Aug; 56(7–8):633–7 (11 ref.) **(Ita)**

[Metabolico-nutritional strategy in postoperative intensive therapy] Zanello M, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):501–5 (0 ref.) **(Ita)**

METHODS

Use of intravenous albumin in the critically ill patient. Guthrie RD Jr, et al. **Am J Gastroenterol** 1991 Mar; 86(3):255–63 (67 ref.)

Care of the gut in the surgical intensive care unit: fact or fashion? Steinmetz OK, et al. **Can J Surg** 1991 Jun; 34(3):207–15 (92 ref.)

Instrumentation and control in intensive care. Bushman JA. **Clin Phys Physiol Meas** 1990 Nov;11(4):269–96 (43 ref.)

Advances in pediatric emergency department procedures. Miller R, et al. **Emerg Med Clin North Am** 1991 Aug; 9(3):639–54 (73 ref.)

Perspectives on the interpretation of continuous mixed venous oxygen saturation. Enger EL, et al. **Heart Lung** 1990 Sep;19(5 Pt 2):578–80 (10 ref.)

Practical points in the application of oxygen transport principles. Nightingale P. **Intensive Care Med** 1990;16 Suppl 2:S173–7 (50 ref.)

Nutritional and metabolic support of critically ill patients. Bower RH. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct; 14(5 Suppl):257S–259S (24 ref.)

Practicalities of lipids: ICU patient, autoimmune disease, and vascular disease. Sax HC. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):223S–225S (29 ref.)

Nutritional support in the critically ill surgical patient. McCarthy MC. **Surg Clin North Am** 1991 Aug;71(4):831–41 (34 ref.)

Antibiotic choices in surgical intensive care unit patients. Reed RL 2d. **Surg Clin North Am** 1991 Aug;71(4):765–89 (184 ref.)

Advances in pediatric surgical critical care. Tuggle DW. **Surg Clin North Am** 1991 Aug;71(4):877–86 (49 ref.)

Assisted ventilation. 3. General care of the ventilated patient in the intensive care unit. Hamilton-Farrell MR, et al. **Thorax** 1990 Dec;45(12):962–9 (115 ref.)

Assisted ventilation. 2. Indications for mechanical ventilation. Ponte J. **Thorax** 1990 Nov;45(11):885–90 (31 ref.)

[Postoperative intensive care after thymectomy for myasthenia gravis] Engler JM, et al. **Ann Chir** 1990; 44(8):628–31 (10 ref.) (Eng. Abstr.) **(Fre)**

[Intensive medical treatment of severe malaria tropica] Böker KH, et al. **Dtsch Med Wochenschr** 1991 May 17; 116(20):780–5 (70 ref.) **(Ger)**

[Diagnosis and therapy of fulminant liver failure] Brunner G. **Internist (Berl)** 1991 May;32(5):256–61 (32 ref.) **(Ger)**

[Diagnosis and surgical treatment of craniocerebral trauma within the scope of polytrauma management] Zink PM, et al. **Unfallchirurg** 1991 Mar;94(3):122–8 (30 ref.) (Eng. Abstr.) **(Ger)**

[Neurologic intensive care in a general hospital--check lists for diagnostic strategy and therapy] Dommel U. **Z Arztl Fortbild (Jena)** 1990;84(22):1149–52 (0 ref.) **(Ger)**

[Thoracic X-ray in intensive care] Maffessanti M, et al. **Radiol Med (Torino)** 1991 Jul–Aug;82(1–2):107–17 (30 ref.) **(Ita)**

[Limitations and possibilities of enteral nutrition at an intensive care unit] Gassull Duro MA. **Nutr Hosp** 1990 May–Jun;5(3):147–52 (39 ref.) (Eng. Abstr.) **(Spa)**

[Time for intensive care of acute spinal cord injuries?] Holtz A. **Lakartidningen** 1991 Jul 10;88(28–29):2442–4 (16 ref.) **(Swe)**

ORGANIZATION & ADMINISTRATION

[Emergency medical services in the United States (minireview)] Vosk A. **Vestn Khir** 1991 Jan;146(1):128–32 (8 ref.) **(Rus)**

PSYCHOLOGY

[Psychiatric disorders in resuscitation units] Perla E. **Agressologie** 1991;32(2):103–13 (44 ref.) (Eng. Abstr.) **(Fre)**

STANDARDS

Improving the quality and utilization of critical care. Luce JM. **QRB Qual Rev Bull** 1991 Feb;17(2):42–7 (45 ref.)

STATISTICS & NUMERICAL DATA

Predicting outcome in critical care: the current status of the APACHE prognostic scoring system. Wong DT, et al. **Can J Anaesth** 1991 Apr;38(3):374–83 (42 ref.)

CROHN DISEASE

Crohn's disease of the small bowel. Hyman NH, et al. **Compr Ther** 1991 Apr;17(4):38–42 (11 ref.)

Epidemiological data of Crohn's disease in Israel: etiological implications. Odes HS, et al. **Public Health Rev** 1989–90; 17(4):321–35 (48 ref.)

[Crohn disease. Diagnosis and treatment] Børkje B, et al. **Tidsskr Nor Laegeforen** 1991 Feb 20;111(5):593–7 (67 ref.) (Eng. Abstr.) **(Nor)**

COMPLICATIONS

Hepatic portal venous gas: an unusual presentation of Crohn's disease. Kirsch M, et al. **Am J Gastroenterol** 1990 Nov; 85(11):1521–3 (29 ref.)

Crohn's disease and anal carcinoma: an association? A case report and review of the literature. Lumley JW, et al. **Aust N Z J Surg** 1991 Jan;61(1):76–7 (10 ref.)

Development of acute myelocytic leukemia in patients with Crohn's disease. Halme L, et al. **Dig Dis Sci** 1990 Dec; 35(12):1553–6 (10 ref.)

Extraintestinal cancers in Crohn's disease. Nakajima H, et al. **Digestion** 1990;47(1):1–7 (28 ref.)

Crohn's disease and adenocarcinoma of the intestinal tract. Report of four cases. Rubio CA, et al. **Dis Colon Rectum** 1991 Feb;34(2):174–80 (32 ref.)

Neutrophil dysfunction in glycogen storage disease Ib: association with Crohn's-like colitis. Couper R, et al. **Gastroenterology** 1991 Feb;100(2):549–54 (30 ref.)

Complete appendicular inversion: the "inside-out" appendix. An unusual presentation of Crohn's disease. A case report and review of the literature. Solomon DJ, et al. **J Belge Radiol** 1991 Mar;74(2):115–6 (8 ref.)

Crohn's disease in a patient with multiple sclerosis. Kitchin LI, et al. **J Clin Gastroenterol** 1991 Jun;13(3):331–4 (17 ref.)

Acute promyelocytic leukemia in Crohn's disease. Case report and review of the literature. Orii S, et al. **J Clin Gastroenterol** 1991 Jun;13(3):325–7 (10 ref.)

Oral manifestations of Crohn's disease. An analysis of 79 cases. Plauth M, et al. **J Clin Gastroenterol** 1991 Feb; 13(1):29–37 (79 ref.)

A complex ileovaginal fistula with associated obstructive uropathy in a patient with Crohn's disease: technical considerations and review of the literature. Baird DR, et al. **South Med J** 1991 Mar;84(3):389–91 (13 ref.)

[Rheumatism in Crohn's disease. New facts, new ideas (editorial)] Le Quintrec JL. **Presse Med** 1991 May 25; 20(20):933–5 (10 ref.) **(Fre)**

[Orthopedic aspects of Crohn disease. Examples of extra-intestinal organ manifestations] Sons HU, et al. **Beitr Orthop Traumatol** 1990 Oct;37(10):539–44 (40 ref.) (Eng. Abstr.) **(Ger)**

[Hepatobiliary complications of chronic inflammatory bowel diseases] Walker S, et al. **Med Klin** 1990 Oct 15; 85(10):608–15 (133 ref.) **(Ger)**

[Toxic megacolon] Eigler FW. **Z Gastroenterol Verh** 1991 Mar;26:31–2 (14 ref.) **(Ger)**

[Crohn's disease associated with secondary amyloidosis--a case report] Itoh T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Mar;88(3):730–4 (22 ref.) **(Jpn)**

[Rheumatological syndromes in nonspecific ulcerative colitis and Crohn's disease] Krikunov VP, et al. **Ter Arkh** 1991; 63(5):140–4 (53 ref.) **(Rus)**

DIAGNOSIS

Endometriosis of the terminal ileum simulating the clinical, roentgenographic, and surgical findings in Crohn's disease. Cappell MS, et al. **Am J Gastroenterol** 1991 Aug; 86(8):1057–62 (55 ref.)

Measurement of activity in Crohn's disease. Bartholomeusz FD, et al. **J Gastroenterol Hepatol** 1989 Jan–Feb;4(1):81–94 (103 ref.)

Perianal complications in Crohn's disease. Goebell H. **Neth J Med** 1990 Aug;37 Suppl 1:S47–51 (22 ref.)

[Adenocarcinoma of the distal ileal loop: a rare disease at the typical site for Crohn's disease] Del Prete P, et al. **G Chir** 1991 Jan–Feb;12(1–2):41–5 (22 ref.) (Eng. Abstr.) **(Ita)**

DIET THERAPY

Review article: dietary and nutritional management of Crohn's disease. Russell RI. **Aliment Pharmacol Ther** 1991 Jun;5(3):211–26 (66 ref.)

DRUG THERAPY

Pharmacology of cyclosporin A (Sandimmun) and clinical experience in inflammatory bowel diseases. Feutren G, et al. **Schweiz Med Wochenschr** 1991 May 18;121(20):748–53 (39 ref.)

[Immunosuppressive treatment and Crohn's disease] Delwaide J, et al. **Rev Med Liege** 1991 Jan;46(1):22–8 (27 ref.) **(Fre)**

[Conservative therapy of ulcerative colitis and Crohn disease] Rasenack J, et al. **Fortschr Med** 1991 Apr 10;109(11):245–7 (0 ref.) (Eng. Abstr.) **(Ger)**

[Drug therapy of chronic inflammatory intestinal diseases (see comments)] Raedler A, et al. **Immun Infekt** 1990 Aug; 18(4):121–6 (52 ref.) (Eng. Abstr.) Comment in: Immun Infekt 1990 Aug;18(4):109. **(Ger)**

[Aminosalicylates in the treatment of chronic inflammatory bowel diseases] Hartmann F, et al. **Internist (Berl)** 1990 Nov;31(11):702–6 (51 ref.) **(Ger)**

[Therapy of chronic inflammatory bowel diseases] Peskar BM. **Verh Dtsch Ges Inn Med** 1990;96:706–12 (19 ref.) **(Ger)**

[New developments in therapy with 5-aminosalicylic acid preparations in ulcerative colitis and Crohn disease] Kruis W. **Z Gastroenterol Verh** 1991 Mar;26:154–6 (35 ref.) **(Ger)**

[Cyclosporin A: possible use in Crohn disease] Müller MK. **Z Gastroenterol Verh** 1991 Mar;26:152–3 (18 ref.) **(Ger)**

ETIOLOGY

Smoking, the oral contraceptive pill, and Crohn's disease. Wakefield AJ, et al. **Dig Dis Sci** 1991 Aug;36(8):1147–50 (51 ref.)

Inflammatory bowel disease. Part I: Nature and pathogenesis. Kirsner JB. **Dis Mon** 1991 Oct;37(10):605–66 (265 ref.)

Current concepts in the pathogenesis of Crohn's disease. Gibson PR. **J Gastroenterol Hepatol** 1990 Jan–Feb; 5(1):44–65 (187 ref.)

Etiology of inflammatory bowel diseases: where have we been? Where are we going? Gitnick G. **Scand J Gastroenterol Suppl** 1990;175:93–6 (33 ref.)

[Risk factors in the etiology of Crohn disease] Katschinski B, et al. **Z Gastroenterol** 1990 Jul;28(7):368–72 (35 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

Acute promyelocytic leukemia in Crohn's disease. Case report and review of the literature. Orii S, et al. **J Clin Gastroenterol** 1991 Jun;13(3):325–7 (10 ref.)

IMMUNOLOGY

[Current immunological aspects of Crohn's disease] Louis E, et al. **Rev Med Liege** 1991 Jan;46(1):2–11 (27 ref.) **(Fre)**

[Changes in the immune system of the gastrointestinal tract in Crohn disease (see comments)] Voss A, et al. **Immun Infekt** 1990 Aug;18(4):111–4 (25 ref.) (Eng. Abstr.) Comment in: Immun Infekt 1990 Aug;18(4):109. **(Ger)**

METABOLISM

[The role of arachidonic acid metabolism in the pathophysiology of chronic inflammatory intestinal diseases (see comments)] Schreiber S, et al. **Immun Infekt** 1990 Aug; 18(4):115–20 (47 ref.) (Eng. Abstr.) Comment in: Immun Infekt 1990 Aug;18(4):109. **(Ger)**

PATHOLOGY

Polypoid and pseudopolypoid manifestations of inflammatory bowel disease. Buck JL, et al. **Radiographics** 1991 Mar; 11(2):293–304 (17 ref.)

PSYCHOLOGY

[Psychosomatic aspects of inflammatory bowel diseases] Scheib P, et al. **Fortschr Med** 1991 Apr 20;109(12):258–60 (21 ref.) (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Clinical utility of enteroclysis. Rex DK, et al. **Trop Gastroenterol** 1991 Jan–Mar;12(1):15–20 (17 ref.)

RADIONUCLIDE IMAGING

[Scintigraphy using labelled sucralfate in the diagnosis of chronic idiopathic inflammatory diseases of the intestine] Del Piano M, et al. **Ann Ital Med Int** 1988 Apr–Jun; 3(2):126–31 (13 ref.) (Eng. Abstr.) **(Ita)**

SURGERY

Recurrence of Crohn's disease after resection. Williams JG, et al. **Br J Surg** 1991 Jan;78(1):10–9 (128 ref.)

Inflammatory bowel disease revisited: surgery today and tomorrow. Alexander-Williams J. **Scand J Gastroenterol Suppl** 1990;175:107–12 (9 ref.)

Fecal diversion for Crohn disease of the colon. Winslet MC, et al. **Surg Annu** 1991;23 Pt 2:99–110 (49 ref.)

[The surgeon faced with ano-perineal lesions of Crohn's disease] Contou JF, et al. **Ann Gastroenterol Hepatol (Paris)** 1990 Nov;26(6):263–70 (39 ref.) **(Fre)**

[Surgical indications in ulcerative colitis and Crohn disease] Lausen M, et al. **Fortschr Med** 1991 Apr 10;109(11):238–41 (19 ref.) (Eng. Abstr.) **(Ger)**

[Surgical techniques in Crohn disease and ulcerative colitis] Waninger J, et al. **Fortschr Med** 1991 Apr 10;109(11):242–4 (0 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

[Prerequisites for therapy of inflammatory bowel diseases. Pathophysiology—symptomatology—diagnosis] Haag K, et al. **Fortschr Med** 1991 Apr 10;109(11):232–7 (0 ref.) (Eng. Abstr.) **(Ger)**

[Medical treatment of inflammatory intestinal diseases] Järnerot G. **Nord Med** 1991;106(4):104–6 (15 ref.) (Eng. Abstr.) **(Swe)**

CROMOLYN SODIUM see **DISODIUM CROMOGLYCATE**

CROSS CIRCULATION

Strategies for hepatic support in acute liver failure: role of extracorporeal devices versus liver transplantation. De Groot GH, et al. **J Gastroenterol Hepatol** 1989 May–Jun; 4(3):283–93 (86 ref.)

CROSS-CULTURAL COMPARISON

Trans-cultural aspects of nutrition in old age. Wahlqvist ML, et al. **Age Ageing** 1990 Jul;19(4):S43–52 (25 ref.)

Culture tales. A narrative approach to thinking, cross-cultural psychology, and psychotherapy. Howard GS. **Am Psychol** 1991 Mar;46(3):187–97 (65 ref.)

Research on secular trends in auxology. Malina RM. **Anthropol Anz** 1990 Sep;48(3):209–27 (90 ref.)

The new biological determinism in socio-cultural context. Brody EB. **Aust N Z J Psychiatry** 1990 Dec;24(4):464–9 (22 ref.)

Child psychiatry in Hong Kong: an overview. Wong CK. **Aust N Z J Psychiatry** 1990 Sep;24(3):331–8 (28 ref.)

Hispanic drinking in the US: thinking in new directions [editorial] Caetano R. **Br J Addict** 1990 Oct;85(10):1231–6 (37 ref.)

Drinking, the construction of ethnic identity and social process in a Western Australian youth subculture. Moore D. **Br J Addict** 1990 Oct;85(10):1265–78 (55 ref.)

How much alcohol is in a 'standard drink'? An analysis of 125 studies. Turner C. **Br J Addict** 1990 Sep;85(9):1171–5 (11 ref.)

Psychological research on the martial arts: an addendum to Fuller's review. Columbus PJ, et al. **Br J Med Psychol** 1991 Jun;65 (Pt 2):127–35 (46 ref.)

Psychological research on the martial arts: an addendum to Fuller's review. Columbus PJ, et al. **Br J Med Psychol** 1991 Jun;64 (Pt 2):127–35 (44 ref.)

Cross-cultural perspectives and research directions for the 21st century. Korbin JE. **Child Abuse Negl** 1991;15 Suppl 1:67–77 (100 ref.)

An assessment of the cognitive abilities of multiply handicapped children: adaptations of the Uzgiris and Hunt scales and their use with children in Britain and Singapore. Sharpe P. **Child Care Health Dev** 1990 Nov–Dec; 16(6):335–53 (19 ref.)

An international survey on the prognosis of occupational contact dermatitis of the hands. Hogan DJ, et al. **Derm Beruf Umwelt** 1990 Sep–Oct;38(5):143–7 (7 ref.)

The epidemiology of dementia: GMS-AGECAT studies of prevalence and incidence, including studies in progress. Copeland JR, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;240(4–5):212–7 (27 ref.)

Ethnicity and alcohol/drug use revisited: a framework for future research. Cheung YW. **Int J Addict** 1990–91; 25(5A–6A):581–605 (100 ref.)

Is there an epidemic of drug misuse in Brazil? A review of the epidemiologic evidence (1977–1988). de Almeida-Filho N, et al. **Int J Addict** 1991 Mar;26(3):355–69 (40 ref.)

Uses and misuses of the concept of ethnicity in alcohol studies: an essay in deconstruction. Heath DB. **Int J Addict** 1990–91;25(5A–6A):607–28 (45 ref.)

The social epidemiology of international drug trafficking: comparison of source of supply and distribution networks. Montagne M. **Int J Addict** 1990 May;25(5):557–77 (90 ref.)

Orthogonal cultural identification theory: the cultural identification of minority adolescents. Oetting ER, et al. **Int J Addict** 1990–91;25(5A–6A):655–85 (40 ref.)

Taking care of culturally different and non-English speaking patients. Thompson WL, et al. **Int J Psychiatry Med** 1990; 20(3):235–45 (54 ref.)

Culture and mental illness in Algeria. al-Issa I. **Int J Soc Psychiatry** 1990 Autumn;36(3):230–40 (40 ref.)

Recent developments in gerontopsychiatric research on age-associated dementia in Japan. Homma A, et al. **Int Psychogeriatr** 1989 Spring;1(1):31–49 (90 ref.)

Amusement machine playing in childhood and adolescence: a comparative analysis of video games and fruit machines. Griffiths MD. **J Adolesc** 1991 Mar;14(1):53–73 (85 ref.)

The dissemination of multiple sclerosis. The Langdon-Brown lecture 1989. Compston DA. **J R Coll Physicians Lond** 1990 Jul;24(3):207–18 (75 ref.)

Alcohol and drug problems in Czechoslovakia. Nerad J, et al. **J Subst Abuse Treat** 1991;8(1–2):83–8 (26 ref.)

Mental retardation research in the Soviet Union. Holowinsky IZ. **Ment Retard** 1990 Aug;28(4):211–8 (35 ref.)

Psychology of acculturation. Berry JW. **Nebr Symp Motiv** 1989;37:201–34 (42 ref.)

Normal and abnormal behavior in cross-cultural perspective: specifying the nature of their relationship. Draguns JG. **Nebr Symp Motiv** 1989;37:235–77 (150 ref.)

Family and socialization in cross-cultural perspective: a model of change. Kağitçibaşi C. **Nebr Symp Motiv** 1989; 37:135–200 (250 ref.)

Cross-cultural studies of individualism and collectivism. Triandis HC. **Nebr Symp Motiv** 1989;37:41–133 (230 ref.)

Multiple sclerosis: changing times [editorial] Kurtzke JF. **Neuroepidemiology** 1991;10(1):1–8 (37 ref.)

Headache. Public health problem. Ziegler DK. **Neurol Clin** 1990 Nov;8(4):781–91 (68 ref.)

Suicidal behavior and depressive disorders in adolescents and young adults. Diekstra RF. **Neuropsychobiology** 1989; 22(4):194–207 (63 ref.)

Improving treatment for the severely mentally ill: implications of the decade-long Italian psychiatric reform [published erratum appears in Psychiatry 1990 Nov;53(4):424] Glick ID. **Psychiatry** 1990 Aug; 53(3):316–23 (20 ref.)

Cultural variations in response to painful stimuli. Zatzick DF, et al. **Psychosom Med** 1990 Sep–Oct;52(5):544–57 (62 ref.)

Psychotherapy: healing by culture. Havenaar JM. **Psychother Psychosom** 1990;53(1–4):8–13 (13 ref.)

Experiences with psychotherapy training in India. Hoch EM. **Psychother Psychosom** 1990;53(1–4):14–20 (8 ref.)

Theory and technique in dynamic psychotherapy—curative factors and training therapists to maximize them. Luborsky L. **Psychother Psychosom** 1990;53(1–4):50–7 (20 ref.)

Positive psychotherapy: a transcultural and interdisciplinary approach to psychotherapy. Peseschkian N. **Psychother Psychosom** 1990;53(1–4):39–45 (7 ref.)

The Tao, psychoanalysis and existential thought. Rhee D. **Psychother Psychosom** 1990;53(1–4):21–7 (25 ref.)

Health and social inequities in Sweden. Diderichsen F. **Soc Sci Med** 1990;31(3):359–67 (13 ref.)

Health and social inequalities in Switzerland. Lehmann P, et al. **Soc Sci Med** 1990;31(3):369–86 (65 ref.)

China's importation of Western psychiatry: cultural relatively and mental disorders. Woo D. **Theor Med** 1991 Mar; 12(1):25–43 (32 ref.)

[Secular trend of physical development and its significance for pediatric practice] Eiben OG. **Arztl Jugendkd** 1990; 81(5):361–7 (11 ref.) (Eng. Abstr.) **(Ger)**

[Epidemiology of colorectal cancers] Boeing H, et al. **Internist (Berl)** 1991 Jun;32(6):306–14 (49 ref.) **(Ger)**

[What makes a consultation therapeutic? On the cultural characteristics of psychotherapeutic methods] Pfeiffer W. **Psychother Psychosom Med Psychol** 1991 Mar–Apr; 41(3–4):93–101 (31 ref.) (Eng. Abstr.) **(Ger)**

[Dimensions of the challenge introduced by HIV and AIDS] Uberla K. **Verh Dtsch Ges Inn Med** 1990;96:510–5 (28 ref.) **(Ger)**

CROSS INFECTION

see related
PATIENT ISOLATION

Listeria. Klein NC, et al. **Infect Control Hosp Epidemiol** 1991 May;12(5):311–4 (18 ref.)

Enteral nutrition and infection in the intensive care unit. Pingleton SK. **Semin Respir Infect** 1990 Sep;5(3):185–90 (31 ref.)

Host responses in mediating sepsis and adult respiratory distress syndrome. Strieter RM, et al. **Semin Respir Infect** 1990 Sep;5(3):233–47 (112 ref.)

Developments in the pathogenesis, diagnosis and treatment of nosocomial pneumonia. Scheld WM. **Surg Gynecol Obstet** 1991;172 Suppl:42–53 (95 ref.)

[Nosocomial bacterial pneumonia] Habscheid W. **Dtsch Med Wochenschr** 1990 Dec 7;115(49):1876–81 (45 ref.) **(Ger)**

[Hospital pneumonia] Alegre Martín J, et al. **An Med Interna** 1990 Nov;7 Suppl 2:37–41 (27 ref.) **(Spa)**

DIAGNOSIS

Invasive techniques in the diagnosis of bacterial pneumonia in the intensive care unit. Chauncey JB, et al. **Semin Respir Infect** 1990 Sep;5(3):215–25 (66 ref.)

[Consensus development conference: diagnosis of nosocomial pneumonia in intensive care. 5th consensus conference in resuscitation and intensive care medicine (October 13, 1989)] Tenaillon A. **Rev Pneumol Clin** 1990;46(2):88–90 (0 ref.) **(Fre)**

DRUG THERAPY

Failure of infection control in intensive care units: can sucralfate improve the situation? Weinstein RA. **Am J Med** 1991 Aug 8;91(2A):132S–134S (15 ref.)

Clinical trials of selective decontamination of the digestive tract: review. Reidy JJ, et al. **Crit Care Med** 1990 Dec; 18(12):1449–56 (38 ref.)

Antimicrobial chemotherapy in the intensive care unit. Saravolatz LD. **Henry Ford Hosp Med J** 1991;39(2):126–37 (47 ref.)
Selective decontamination in intensive care practice: a review of clinical experience. Ramsay G, et al. **Intensive Care Med** 1990;16 Suppl 3:S217–23 (51 ref.)
The role of chemoprophylaxis in the prevention of airborne infection by fungal pathogens. Hay RJ. **J Hosp Infect** 1991 Jun;18 Suppl A:460–5 (32 ref.)
The role of antiseptics in the management of patients undergoing short–term indwelling bladder catheterization. Stickler DJ. **J Hosp Infect** 1990 Aug;16(2):89–108 (18 ref.)
New aspects of antimicrobial resistance and the resulting therapeutic dilemmas. Murray BE. **J Infect Dis** 1991 Jun; 163(6):1184–94 (93 ref.)
Bacterial resistance. Gentry LO. **Orthop Clin North Am** 1991 Jul;22(3):379–88 (55 ref.)
Antimicrobial resistance in the intensive care unit. Grayson ML, et al. **Semin Respir Infect** 1990 Sep;5(3):204–14 (58 ref.)
Approach to therapy of respiratory infections in the critical care setting. Pennington JE. **Semin Respir Infect** 1990 Sep; 5(3):226–32 (69 ref.)
How and why aztreonam works. Rittenbury MS. **Surg Gynecol Obstet** 1990;171 Suppl:19–23 (16 ref.)

EPIDEMIOLOGY

The gastropulmonary route of infection—fact or fiction? Tryba M. **Am J Med** 1991 Aug 8;91(2A):135S–146S (65 ref.)
Human immunodeficiency virus disease epidemiology and nosocomial infection. Ortiz R, et al. **Am J Ophthalmol** 1991 Sep 15;112(3):335–42 (68 ref.)
Risks of human immunodeficiency virus infection to patients and healthcare personnel. Gerst PH, et al. **Crit Care Med** 1990 Dec;18(12):1440–8 (112 ref.)
Sucralfate versus antacids or H2–antagonists for stress ulcer prophylaxis: a meta–analysis on efficacy and pneumonia rate. Tryba M. **Crit Care Med** 1991 Jul;19(7):942–9 (47 ref.)
Diarrhea: a neglected nosocomial hazard? [editorial] Farr B. **Infect Control Hosp Epidemiol** 1991 Jun;12(6):343–4 (16 ref.)
Epidemiology in bone and joint infection. Gillespie WJ. **Infect Dis Clin North Am** 1990 Sep;4(3):361–76 (61 ref.)
The epidemiology of infections in intensive care units. Emmerson AM. **Intensive Care Med** 1990;16 Suppl 3:S197–200 (20 ref.)
State of the art in typing: Klebsiella spp. Ayling–Smith B, et al. **J Hosp Infect** 1990 Nov;16(4):287–95 (48 ref.)
Legionella in hospitals: a review. Hart CA, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:481–9 (43 ref.)
Prosthetic valve endocarditis: a continuing challenge for infection control. Karchmer AW. **J Hosp Infect** 1991 Jun; 18 Suppl A:355–66 (49 ref.)
Central venous catheter related sepsis: a clinical review. Putterman C. **Resuscitation** 1990 Aug;20(1):1–16 (128 ref.)
Nosocomial pneumonia in the 1990s: update of epidemiology and risk factors. Craven DE, et al. **Semin Respir Infect** 1990 Sep;5(3):157–72 (114 ref.)
[Nosocomial virus infections in pediatric departments. Rotavirus and respiratory syncytial virus] Hjelt K. **Ugeskr Laeger** 1991 Jul 22;153(30):2102–4 (26 ref.) (Eng. Abstr.) **(Dan)**
[Frequency of infections in intensive care units: an incidence survey] Godard J, et al. **Agressologie** 1990;31(8 Spec No):529–31 (15 ref.) (Eng. Abstr.) **(Fre)**
[Monitoring management of nosocomial infections in a neurosurgical department] Malavaud S, et al. **Agressologie** 1990;31(8 Spec No):525–8 (10 ref.) (Eng. Abstr.) **(Fre)**
[Incidence of nosocomial respiratory tract diseases in intensive care units] Papazian L, et al. **Agressologie** 1990; 31(8 Spec No):541–2 (13 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Sepsis syndrome, the adult respiratory distress syndrome, and nosocomial pneumonia. A common clinical sequence. Niederman MS, et al. **Clin Chest Med** 1990 Dec; 11(4):633–56 (154 ref.)
Current patterns in nosocomial urinary tract infections. Meares EM Jr. **Urology** 1991;37(3 Suppl):9–12 (13 ref.)

HISTORY

Hospital infection: the first 2500 years. Selwyn S. **J Hosp Infect** 1991 Jun;18 Suppl A:5–64 (206 ref.)

IMMUNOLOGY

Host responses in mediating sepsis and adult respiratory distress syndrome. Strieter RM, et al. **Semin Respir Infect** 1990 Sep;5(3):233–47 (112 ref.)

MICROBIOLOGY

Achromobacter xylosoxidans bacteremia. McGann KA, et al. **Infect Control Hosp Epidemiol** 1990 Oct;11(10):539–41 (15 ref.)
Nosocomial pneumonia in children. Jacobs RF. **Infection** 1991 Mar–Apr;19(2):64–72 (28 ref.)
Nasal carriage of Staphylococcus aureus and its influence on hospital infections caused by methicillin–resistant strains. Heczko PB, et al. **Int J Med Microbiol** 1990 Dec; 274(3):333–41 (41 ref.)
Infection v. colonisation. Geddes DM. **Intensive Care Med** 1990;16 Suppl 3:S201–5 (12 ref.)
Hospital infection with Acinetobacter spp.: an increasing problem. Bergogne–Bérézin E, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:250–5 (17 ref.)
Medical and microbiological problems arising from airborne infection in hospitals. Schaal KP. **J Hosp Infect** 1991 Jun; 18 Suppl A:451–9 (12 ref.)
Coagulase–negative staphylococcal infections in neonates. Hall SL. **Pediatr Infect Dis J** 1991 Jan;10(1):57–67 (129 ref.)
Gram–negative colonization of the respiratory tract: pathogenesis and clinical consequences. Niederman MS. **Semin Respir Infect** 1990 Sep;5(3):173–84 (56 ref.)
[Comparative study of the microbiological components in urinary infection (UTI)] Nava L, et al. **G Ital Chemioter** 1989 Jan–Dec;36(1–3):69–87 (37 ref.) (Eng. Abstr.) **(Ita)**
[Childhood legionellosis] Ferrer A, et al. **Enferm Infecc Microbiol Clin** 1990 May;8(5):278–81 (17 ref.) (Eng. Abstr.) **(Spa)**

NURSING

Nursing aspects of infection control in developing countries. Sobayo EI. **J Hosp Infect** 1991 Jun;18 Suppl A:388–91 (4 ref.)

PREVENTION & CONTROL

Human immunodeficiency virus and the thoracic surgeon. Stiles QR. **Ann Thorac Surg** 1991 Feb;51(2):341–3 (18 ref.)
Continuous lateral rotational therapy and nosocomial pneumonia. Sahn SA. **Chest** 1991 May;99(5):1263–7 (35 ref.)
Pathophysiology, monitoring, and management of the ventilator–dependent patient: considerations for drug therapy, emphasis on stress ulcer prophylaxis. Dellinger RP. **DICP** 1990 Nov;24(11 Suppl):S8–11 (16 ref.)
Should we vigorously try to contain and control methicillin–resistant Staphylococcus aureus? Boyce JM. **Infect Control Hosp Epidemiol** 1991 Jan;12(1):46–54 (95 ref.)
Nosocomial transmission and infection control aspects of parasitic and ectoparasitic diseases. Part III. Ectoparasites/summary and conclusions. Lettau LA. **Infect Control Hosp Epidemiol** 1991 Mar;12(3):179–85 (51 ref.)
Infection surveillance in long–term care facilities. Smith PW. **Infect Control Hosp Epidemiol** 1991 Jan;12(1):55–8 (36 ref.)
Control of viral infections in hospitals. Breuer J, et al. **J Hosp Infect** 1990 Oct;16(3):191–221 (186 ref.)
Evaluation of the costs and benefits of reducing hospital infection. Drummond MF, et al. **J Hosp Infect** 1991 Jun; 18 Suppl A:85–93 (19 ref.)
The role of barrier precautions in infection control. Goldmann DA. **J Hosp Infect** 1991 Jun;18 Suppl A:515–23 (26 ref.)
Advances in the prevention and treatment of cytomegalovirus infection in hospital patients. Griffiths PD. **J Hosp Infect** 1991 Jun;18 Suppl A:330–4 (20 ref.)
Prevention of nosocomial aspergillosis. Rhame FS. **J Hosp Infect** 1991 Jun;18 Suppl A:466–72 (24 ref.)
Infection control and pneumonia prophylaxis strategies in the intensive care unit. Flaherty JP, et al. **Semin Respir Infect** 1990 Sep;5(3):191–203 (69 ref.)
[Evaluation of prevention methods of nosocomial urinary tract infections] Cetre JC, et al. **Agressologie** 1990;31(8 Spec No):509–12 (40 ref.) (Eng. Abstr.) **(Fre)**
[Incidence of infection, causes and prevention of osteitis in trauma surgery] Haas N, et al. **Aktuel Probl Chir Orthop** 1990;34:8–26 (19 ref.) **(Ger)**
[Prevention of HIV infections in surgical gynecology and obstetrics] Hirsch HA. **Geburtshilfe Frauenheilkd** 1990 Sep; 50(9):665–9 (30 ref.) (Eng. Abstr.) **(Ger)**
[Clinical studies and monitoring: bacteriologic monitoring] Konrad F, et al. **Klin Anasthesiol Intensivther** 1991; 39:121–33; discussion 169–82 (35 ref.) **(Ger)**
[Measures for the prevention of infections in anesthesia] Krieger J, et al. **Klin Anasthesiol Intensivther** 1990; 38:264–73 (12 ref.) **(Ger)**
[Hygienic measures in endoscopy] Exner M, et al. **Z Gastroenterol** 1990 Nov;28(11):635–43 (47 ref.) (Eng. Abstr.) **(Ger)**
[Hygiene barriers in the hospital—psychological aspects] Bergler R. **Zentralbl Hyg Umweltmed** 1991 Mar; 191(2–3):117–58 (11 ref.) (Eng. Abstr.) **(Ger)**
[Hygiene barriers in the hospital—infectious aspects] Geiss HK. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):159–70 (10 ref.) (Eng. Abstr.) **(Ger)**
[Requirements for ambulatory operations from the point of view of hygienists] Gundermann KO. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):201–5 (4 ref.) (Eng. Abstr.) **(Ger)**
[Hygiene barriers in the hospital—instrumentation aspects] Sonntag HG. **Zentralbl Hyg Umweltmed** 1991 Mar; 191(2–3):171–81 (3 ref.) (Eng. Abstr.) **(Ger)**
[Clinical experience with piperacillin in the prophylaxis of post–operative infections] Santi F. **Minerva Med** 1990 Oct; 81(10):701–5 (15 ref.) (Eng. Abstr.) **(Ita)**

THERAPY

Management and control of infectious complications. Keys TF, et al. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):71–4 (24 ref.)

TRANSMISSION

AIDS: practising safe endoscopy. Hanson PJ. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):477–94 (82 ref.)
Nosocomial transmission and infection control aspects of parasitic and ectoparasitic diseases. Part II. Blood and tissue parasites. Lettau LA. **Infect Control Hosp Epidemiol** 1991 Feb;12(2):111–21 (121 ref.)
Transmission of infectious diseases in outpatient health care settings. Goodman RA, et al. **JAMA** 1991 May 8; 265(18):2377–81 (61 ref.)
HIV infection in healthcare workers. How great is the risk? What can be done before and after exposure? Henry K, et al. **Postgrad Med** 1991 Feb 15;89(3):30–8 (45 ref.)

CROSS–LINKING REAGENTS

Antibody–toxin conjugation. Marsh JW, et al. **Cancer Treat Res** 1988;37:213–37 (61 ref.)
Bifunctional chelating agents for radiometal–labeled monoclonal antibodies. Subramanian R, et al. **Cancer Treat Res** 1990;51:183–99 (50 ref.)
Effect of chemical linkage upon the stability and cytotoxic activity of A chain immunotoxins. Wawrzynczak EJ, et al. **Cancer Treat Res** 1988;37:239–51 (35 ref.)
Novel bifunctional linkers for antibody chelation with radiometals. Wu RS. **Cancer Treat Res** 1990;51:215–32 (60 ref.)
Mechanism of inhibition of collagen crosslinking by penicillamine. Nimni ME. **Proc R Soc Med** 1977;70 Suppl 3:65–72 (29 ref.)

CROSS REACTIONS

Approaches to minimizing interference by cross–reacting molecules in immunoassays. Miller JJ, et al. **Clin Chem** 1991 Feb;37(2):144–53 (47 ref.)

CROSS–TRANSFUSION, INTRAUTERINE see **FETOFETAL TRANSFUSION**

CROSSES, GENETIC

see related
CONJUGATION, GENETIC
TRANSDUCTION, GENETIC
TRANSFORMATION, GENETIC

Position effects, methylation and inherited epigenetic states. Wilkins AS. **Bioessays** 1990 Aug;12(8):385–6 (14 ref.)

CROSSING OVER (GENETICS)

Twinning and mitotic crossing–over: some possibilities and their implications. Côté GB, et al. **Am J Hum Genet** 1991 Jul;49(1):120–30 (108 ref.)
The topology of meiotic chiasmata prevents terminalization. Hultén MA. **Ann Hum Genet** 1990 Oct;54 (Pt 4):307–14 (33 ref.)
Chromosome synapsis and genetic recombination: their roles in meiotic chromosome segregation. Roeder GS. **Trends Genet** 1990 Dec;6(12):385–9 (33 ref.)

CROSSMATCHING, BLOOD see **BLOOD GROUPING AND CROSSMATCHING**

CROSSMATCHING, TISSUE see **HISTOCOMPATIBILITY TESTING**

CROTALID VENOMS

ADVERSE EFFECTS

Management of snakebite. Johnson CA. **Am Fam Physician** 1991 Jul;44(1):174–80 (10 ref.)

CROUZON'S DISEASE see **CRANIOFACIAL DYSOSTOSIS**

CROWNS

see related
DENTAL PORCELAIN

CAD/CAM for dental restorations—some of the curious challenges. Rekow ED, et al. **IEEE Trans Biomed Eng** 1991 Apr;38(4):314–8 (7 ref.)
Chairside repair of ceramo–metallic restorations. Rosen H. **J Can Dent Assoc** 1990 Nov;56(11):1029–33 (25 ref.)
Maintaining and enhancing gingival architecture in fixed prosthodontics. Ferencz JL. **J Prosthet Dent** 1991 May; 65(5):650–7 (27 ref.)
Gingival crown margin configurations: a review and discussion. Part I: Terminology and widths. Hunter AJ, et al. **J Prosthet Dent** 1990 Nov;64(5):548–52 (59 ref.)
Gingival margins for crowns: a review and discussion. Part II: Discrepancies and configurations. Hunter AJ, et al. **J Prosthet Dent** 1990 Dec;64(6):636–42 (82 ref.)
[Restoration of endodontically treated elements. A literature review on the mechanical behavior of post and core structures] Huysmans MC, et al. **Rev Belge Med Dent** 1990; 45(3):30–42 (61 ref.) (Eng. Abstr.) **(Fre)**

[Porcelain repairs. A review of the literature and practical tips for porcelain repairs on VMK (metal–ceramic) reconstructions] Brönnimann R, et al. **Schweiz Monatsschr Zahnmed** 1991;101(6):762–73 (28 ref.) **(Ger, Fre)**

CRUCIATE LIGAMENT, ANTERIOR see **ANTERIOR CRUCIATE LIGAMENT**

CRUCIATE LIGAMENT, POSTERIOR see **POSTERIOR CRUCIATE LIGAMENT**

CRUDE OIL see **PETROLEUM**

CRUOR see **POSTMORTEM CHANGES**

CRUSH SYNDROME

ETIOLOGY

The role of reperfusion–induced injury in the pathogenesis of the crush syndrome. Odeh M. **N Engl J Med** 1991 May 16;324(20):1417–22 (80 ref.)

[Crush syndrome: etiology and pathogenesis] Nasonkin OS, et al. **Patol Fiziol Eksp Ter** 1991 Mar–Apr;(2):3–9 (99 ref.) **(Rus)**

[The crush syndrome. I. Its etiology, pathogenesis and clinical picture] Tsybuliak GN. **Ter Arkh** 1990;62(10):11–6 (30 ref.) **(Rus)**

PHYSIOPATHOLOGY

Renal failure in disasters. Collins AJ, et al. **Crit Care Clin** 1991 Apr;7(2):421–35 (29 ref.)

THERAPY

[The crush syndrome. II. Its treatment, complications and outcome] Tsybuliak GN. **Ter Arkh** 1990;62(10):16–21 (36 ref.) **(Rus)**

CRUSTACEA

see related
SHELLFISH

Fish farming. Hillcoat JB. **Bibl Nutr Dieta** 1990;(46):10–21 (4 ref.)

METABOLISM

Cytochrome P-450 monooxygenase systems in aquatic species: carcinogen metabolism and biomarkers for carcinogen and pollutant exposure. Stegeman JJ, et al. **Environ Health Perspect** 1991 Jan;90:101–9 (74 ref.)

ULTRASTRUCTURE

Cytology of pollutant metals in marine invertebrates: a review of microanalytical applications. Nott JA. **Scanning Microsc** 1991 Mar;5(1):191–204; discussion 204–5 (90 ref.)

CRUTCHES

STANDARDS

Canes, crutches and walkers. Joyce BM, et al. **Am Fam Physician** 1991 Feb;43(2):535–42 (20 ref.)

CRYING

Congenital varicella and the newborn cry. Gaynor EB. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):541–4 (20 ref.)

PHYSIOLOGY

Persistent infant crying. St James–Roberts I. **Arch Dis Child** 1991 May;66(5):653–5 (23 ref.)

CRYING CAT SYNDROME see **CRI–DU–CHAT SYNDROME**

CRYOANESTHESIA see **HYPOTHERMIA, INDUCED**

CRYOGLOBULINEMIA

[Cryoglobulinemia type II] Madi N, et al. **Nephrologie** 1990;11(4):237–41 (29 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Mixed cryoglobulinemia cross–reactive idiotypes: implications for the relationship of MC to rheumatic and lymphoproliferative diseases. Gorevic PD, et al. **Semin Hematol** 1991 Apr;28(2):79–94 (147 ref.)

PATHOLOGY

Secondary bone tumors, myeloma, cryoglobulinemia, and paraproteinemias. Harmon D. **Curr Opin Rheumatol** 1990 Feb;2(1):111–4 (10 ref.)

CRYOPRESERVATION

Biochemistry of natural freeze tolerance in animals: molecular adaptations and applications to cryopreservation. Storey KB. **Biochem Cell Biol** 1990 Apr;68(4):687–98 (50 ref.)

Transmission electron microscopy of frozen hydrated biological material. Stewart M. **Electron Microsc Rev** 1989; 2(1):117–21 (65 ref.)

Techniques and significance of gamete collection and storage in the great apes. Gould KG. **J Med Primatol** 1990; 19(6):537–51 (35 ref.)

The potential of cryofixation and freeze substitution: observations and theoretical considerations. Kellenberger E. **J Microsc** 1991 Feb;161 (Pt 2):183–203 (62 ref.)

Cryofixation methods for ion localization in cells by electron probe microanalysis: a review. Zierold K. **J Microsc** 1991 Feb;161 (Pt 2):357–66 (45 ref.)

[Cryopreservation of bone marrow] Lamana ML, et al. **Sangre (Barc)** 1990 Dec;35(6):451–7 (44 ref.) **(Spa)**

INSTRUMENTATION

Cold stage design for high resolution electron microscopy of biological materials. Downing KH, et al. **Electron Microsc Rev** 1990;3(2):213–26 (34 ref.)

METHODS

Cryopreservation of human semen. Brotherton J. **Arch Androl** 1990;25(2):181–95 (91 ref.)

Cryopreservation. Trounson AO. **Br Med Bull** 1990 Jul; 46(3):695–708 (47 ref.)

Equilibrium, quasi–equilibrium, and nonequilibrium freezing of mammalian embryos. Mazur P. **Cell Biophys** 1990 Aug; 17(1):53–92 (65 ref.)

Freezing techniques and results. Muasher SJ. **Curr Opin Obstet Gynecol** 1989 Oct;1(1):67–72 (17 ref.)

Cryopreservation of transgenic mice. Pomeroy KO. **Genet Anal Tech Appl** 1991 May;8(3):95–101 (16 ref.)

[Heart–lung preservation: historical evolution and current research data] Legal YM, et al. **Ann Chir** 1991;45(2):141–5 (57 ref.) (Eng. Abstr.) **(Fre)**

VETERINARY

Achieving canine pregnancy by using frozen or chilled extended semen. Linde–Forsberg C. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):467–85 (63 ref.)

CRYOSURGERY

Liquid nitrogen as an adjunct. Lane JM. **Chir Organi Mov** 1990;75(1 Suppl):198–9 (14 ref.)

The role of cryosurgery in the management of cardiac arrhythmias. Garratt C, et al. **Clin Cardiol** 1991 Feb; 14(2):153–9 (33 ref.)

The rationale for cryotherapy with a prophylactic scleral buckle for Zone I threshold retinopathy of prematurity. Mintz–Hittner HA, et al. **Doc Ophthalmol** 1990 Mar; 74(3):263–8 (10 ref.)

Results of U.S. randomized clinical trial of cryotherapy for ROP (CRYO–ROP). Palmer EA. **Doc Ophthalmol** 1990 Mar;74(3):245–51 (8 ref.)

Treatment of retinoblastoma with cryotherapy. Shields JA, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1990; 42:977–80 (11 ref.)

[Cryosurgical method of treatment in some areas of oncology] Chissov VI, et al. **Khirurgiia (Mosk)** 1991 Apr; (4):156–62 (93 ref.) **(Rus)**

[Cryogenic method of treatment in abdominal oncology] Itin AB, et al. **Vopr Onkol** 1990;36(11):1283–7 (29 ref.) **(Rus)**

ADVERSE EFFECTS

The complication of pneumatic retinopexy. Hilton GF, et al. **Trans Am Ophthalmol Soc** 1990;88:191–207; discussion 207–10 (35 ref.)

METHODS

Cryosurgery and acrylic cementation as surgical adjuncts in the treatment of aggressive (benign) bone tumors. Analysis of 25 patients below the age of 21. Malawer MM, et al. **Clin Orthop** 1991 Jan;(262):42–57 (40 ref.)

CRYOTHERAPEUTIC AGENTS see **ANTI–INFLAMMATORY AGENTS, GOLD**

CRYOTHERAPY see **CRYOSURGERY**

CRYPTOCOCCOSIS

COMPLICATIONS

Cryptococcal disease in AIDS. Bozzette SA, et al. **AIDS Clin Rev** 1990;:193–213 (90 ref.)

Disseminated, nonmeningeal gastrointestinal cryptococcal infection in an HIV–negative patient. Daly JS, et al. **Am J Gastroenterol** 1990 Oct;85(10):1421–4 (18 ref.)

Overview: cryptococcosis in the patient with AIDS. Sugar AM. **Mycopathologia** 1991 Jun;114(3):153–7 (20 ref.)

Cryptococcal meningitis in the acquired immunodeficiency syndrome. Panther LA, et al. **Semin Respir Infect** 1990 Jun;5(2):138–45 (34 ref.)

DRUG THERAPY

Combination therapy in systemic mycosis. Polak A. **J Chemother** 1990 Aug;2(4):211–7 (46 ref.)

[The significance of fluconazole (diflucan) in the therapy and prevention of candidiasis and cryptococcosis] Müller J. **Mycoses** 1990;33 Suppl 1:65–7 (4 ref.) **(Ger)**

[Cryptococcosis in AIDS: therapeutic concepts] Ruf B. **Mycoses** 1990;33 Suppl 1:55–64 (30 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Pathogenesis and pathophysiology of meningitis. Tunkel AR, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):555–81 (142 ref.)

[Mollusca contagiosa–like cutaneous cryptococcosis in AIDS: a case] Poizot–Martin I, et al. **Ann Dermatol Venereol** 1991;118(1):29–32 (21 ref.) **(Fre)**

IMMUNOLOGY

Immunoregulation in cryptococcosis. Murphy JW. **Immunol Ser** 1989;47:319–45 (99 ref.)

MICROBIOLOGY

Ecology, life cycle, and infectious propagule of Cryptococcus neoformans [see comments] Ellis DH, et al. **Lancet** 1990 Oct 13;336(8720):923–5 (17 ref.) Comment in: Lancet 1990 Dec 8;336(8728):1442.

Osteomyelitis due to Cryptococcus neoformans in advanced age. Case report and review of literature. Kromminga R, et al. **Mycoses** 1990 Apr;33(4):157–66 (34 ref.)

PHYSIOPATHOLOGY

Elevated cerebrospinal fluid pressures in patients with cryptococcal meningitis and acquired immunodeficiency syndrome. Denning DW, et al. **Am J Med** 1991 Sep; 91(3):267–72 (39 ref.)

VETERINARY

Recently described feline dermatoses. Medleau L. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1615–32 (78 ref.)

CRYPTOCOCCUS NEOFORMANS

Ecology, life cycle, and infectious propagule of Cryptococcus neoformans [see comments] Ellis DH, et al. **Lancet** 1990 Oct 13;336(8720):923–5 (17 ref.) Comment in: Lancet 1990 Dec 8;336(8728):1442.

IMMUNOLOGY

Antigenic structure of Cryptococcus neoformans capsular polysaccharides. Kozel TR. **Immunol Ser** 1989;47:63–86 (70 ref.)

ISOLATION & PURIFICATION

Osteomyelitis due to Cryptococcus neoformans in advanced age. Case report and review of literature. Kromminga R, et al. **Mycoses** 1990 Apr;33(4):157–66 (34 ref.)

CRYPTORCHISM

The undescended testicle. Palmer JM. **Endocrinol Metab Clin North Am** 1991 Mar;20(1):231–40 (37 ref.)

COMPLICATIONS

[Arteriographic diagnosis of a tumor arising from an undescended testis] Kónya A, et al. **Orv Hetil** 1991 Feb 17;132(7):357–9 (16 ref.) (Eng. Abstr.) **(Hun)**

DIAGNOSIS

[Management of the impalpable testis; the value of laparoscopy for subsequent treatment] Senoh K, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Jul;82(7):1125–32 (13 ref.) (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

[Hormonal treatment of undescended testis] Ingerslev HJ, et al. **Ugeskr Laeger** 1991 Feb 25;153(9):636–40 (30 ref.) (Eng. Abstr.) **(Dan)**

EPIDEMIOLOGY

[Seminal duct abnormalities in cryptorchism: our experience with 334 cases] Cicigoi A, et al. **Arch Ital Urol Nefrol Androl** 1991 Mar;63(1):107–11 (18 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Testicular descent: new insights into its hormonal control. Hutson JM, et al. **Oxf Rev Reprod Biol** 1990;12:1–56 (227 ref.)

GENETICS

Familial bilateral cryptorchidism. Carragher AM, et al. **Br J Clin Pract** 1990 Dec;44(12):688–9 (7 ref.)

PHYSIOPATHOLOGY

[Undescended testes. Current state of knowledge]

Desgrandchamps F. **J Urol (Paris)** 1990;96(8):407–14 (58 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[The role of therapeutic laparoscopy in the surgical treatment of intra-abdominal testes in children] Andze GO, et al. **Chir Pediatr** 1990;31(6):299–302 (28 ref.) (Eng. Abstr.) **(Fre)**

VETERINARY

Canine cryptorchidism. Romagnoli SE. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):533–44 (37 ref.)

CRYPTOSPORIDIOSIS

Updates on AIDS cryptosporidiosis: a review. Garrido Dávila JI, et al. **Bol Asoc Med P R** 1991 Feb;83(2):65–8 (15 ref.)

Cryptosporidiosis. Current WL, et al. **Clin Microbiol Rev** 1991 Jul;4(3):325–58 (357 ref.)

Some facets of cryptosporidiosis. Anderson BC. **Prog AIDS Pathol** 1990;2:143–9 (58 ref.)

Coccidiosis and cryptosporidiosis in sheep and goats. Foreyt WJ. **Vet Clin North Am Food Anim Pract** 1990 Nov; 6(3):655–70 (49 ref.)

COMPLICATIONS

[Alithiasic cholecystitis and sclerosing cholangitis caused by Cryptosporidium and cytomegalovirus in a patient with HIV infection] Muñoz J, et al. **Enferm Infecc Microbiol Clin** 1989 Dec;7(10):547–50 (18 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Treatment strategies for cryptosporidiosis. Soave R. **Ann N Y Acad Sci** 1990;616:442–51 (76 ref.)

ETIOLOGY

Cryptosporidiosis and AIDS. Angus KW. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):425–41 (89 ref.)

PARASITOLOGY

Ultrastructure of human cryptosporidial infection: a review. Ribeiro Júnior H da C, et al. **Prog Clin Parasitol** 1989; 1:143–58 (32 ref.)

PHYSIOPATHOLOGY

Clinical aspects of cryptosporidiosis. Connolly GM. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):443–54 (32 ref.)

CRYPTOSPORIDIUM

Cryptosporidiosis. Current WL, et al. **Clin Microbiol Rev** 1991 Jul;4(3):325–58 (357 ref.)

Environmental aspects of Cryptosporidium species: a review. Smith HV. **J R Soc Med** 1990 Oct;83(10):629–31 (16 ref.)

GROWTH & DEVELOPMENT

Ultrastructure of human cryptosporidial infection: a review. Ribeiro Júnior H da C, et al. **Prog Clin Parasitol** 1989; 1:143–58 (32 ref.)

ISOLATION & PURIFICATION

Human pathogenic viruses and parasites: emerging pathogens in the water cycle. West PA. **Soc Appl Bacteriol Symp Ser** 1991;20:107S–114S (91 ref.)

CRYSTAL VIOLET see **GENTIAN VIOLET**

CRYSTALLINIC ACID see **NOVOBIOCIN**

CRYSTALLINS

GENETICS

Lens proteins and their genes. Bloemendal H, et al. **Prog Nucleic Acid Res Mol Biol** 1991;41:259–81 (141 ref.)

ISOLATION & PURIFICATION

[Micro-crystalline arthropathies: what is new?] Gerster JC, et al. **Rev Med Suisse Romande** 1990 Oct;110(10):851–7 (16 ref.) **(Fre)**

CRYSTALLIZATION

The present state of two-dimensional crystallization of membrane proteins. Boekema EJ. **Electron Microsc Rev** 1990;3(1):87–96 (61 ref.)

CR3 see **MACROPHAGE-1 ANTIGEN**

CSF-GM see **GRANULOCYTE-MACROPHAGE COLONY-STIMULATING FACTOR**

CSF-M see **MACROPHAGE COLONY-STIMULATING FACTOR**

CSF-1 RECEPTOR see **RECEPTOR, MACROPHAGE COLONY-STIMULATING FACTOR**

CSF-1 see **MACROPHAGE COLONY-STIMULATING FACTOR**

CTG, ANTEPARTUM see **CARDIOTOCOGRAPHY**

CU-ZN SUPEROXIDE DISMUTASE see **SUPEROXIDE DISMUTASE**

CUBAN AMERICANS see **HISPANIC AMERICANS**

CUES

What is presented, and what prevented, in cue exposure and response prevention with alcohol dependent subjects? Laberg JC. **Addict Behav** 1990;15(4):367–86 (82 ref.)

Cue exposure and relapse prevention in the treatment of addictive behaviors. Marlatt GA. **Addict Behav** 1990; 15(4):395–9 (10 ref.)

The effects of exposure to drug-related cues in detoxified opiate addicts: a theoretical review and some new data. Powell J, et al. **Addict Behav** 1990;15(4):339–54 (67 ref.)

Conditioning processes and cue exposure in the modification of excessive eating. Wardle J. **Addict Behav** 1990; 15(4):387–93 (36 ref.)

Cue-exposure interventions for alcohol relapse prevention: need for a memory modification component. Sussman S, et al. **Int J Addict** 1990 Aug;25(8):921–9 (28 ref.)

Visual cues in the interpretation of medical images. Kundel HL. **J Clin Neurophysiol** 1990 Oct;7(4):472–83 (26 ref.)

CULTURAL CHARACTERISTICS

Subcultural styles in adolescence. Brinkmann-Göbel R, et al. **Acta Paedopsychiatr** 1989;52(3):217–31 (32 ref.)

Understanding the culture and behaviour of East Asians—a Confucian perspective [see comments] Cheng SK. **Aust N Z J Psychiatry** 1990 Dec;24(4):510–5 (37 ref.) Comment in: Aust N Z J Psychiatry 1991 Mar;25(1):14–6.

Native ethics and rules of behaviour. Brant CC. **Can J Psychiatry** 1990 Aug;35(6):534–9 (29 ref.)

The family culture: a useful concept for family practice. Helman CG. **Fam Med** 1991 Jul;23(5):376–81 (54 ref.)

Sexual conquest and patterns of black-on-black violence: a structural-cultural perspective. Oliver W. **Violence Vict** 1989 Winter;4(4):257–73 (105 ref.)

[What makes a consultation therapeutic? On the cultural characteristics of psychotherapeutic methods] Pfeiffer W. **Psychother Psychosom Med Psychol** 1991 Mar–Apr; 41(3–4):93–101 (31 ref.) (Eng. Abstr.) **(Ger)**

CULTURAL DEPRIVATION

see related
MENTAL RETARDATION, PSYCHOSOCIAL

CULTURAL EVOLUTION

Behavioural and biological determinants of fertility transition in sub-Saharan Africa. Frank O, et al. **Stat Med** 1991 Feb; 10(2):161–75 (37 ref.)

CULTURE

The cultural parameters of lead poisoning: a medical anthropologist's view of intervention in environmental lead exposure. Trotter RT 2d. **Environ Health Perspect** 1990 Nov;89:79–84 (25 ref.)

Culture, illness, and the biopsychosocial model. Burkett GL. **Fam Med** 1991 May–Jun;23(4):287–91 (31 ref.)

Cultural influences on physician communication in health care teams. Cali DD. **J Biocommun** 1991;18(1):22–7 (16 ref.)

The place of culture in psychiatric nosology: Taijin kyofusho and DSM-III-R. Kirmayer LJ. **J Nerv Ment Dis** 1991 Jan; 179(1):19–28 (58 ref.)

The child between nature and culture. Burgio GR. **Klin Padiatr** 1991 Mar–Apr;203(2):65–71 (24 ref.)

The conspiracy of culture. Women's issues in body size. Fontaine KL. **Nurs Clin North Am** 1991 Sep;26(3):669–76 (13 ref.)

[Cultural relativity of hysteria as a nosographic entity. Hysteria and antisocial behavior] Lucchi N, et al. **Minerva Psichiatr** 1990 Jul–Sep;31(3):151–4 (12 ref.) (Eng. Abstr.) **(Ita)**

[The "myth", psychopathological component and variant] Marocchino R, et al. **Minerva Psichiatr** 1990 Oct–Dec; 31(4):209–12 (13 ref.) (Eng. Abstr.) **(Ita)**

CULTURE DIFFUSION CHAMBERS see **DIFFUSION CHAMBERS, CULTURE**

CULTURE MEDIA

Mixed substrates and mixed cultures. Egli T, et al. **Biotechnology** 1991;18:173–201 (121 ref.)

Serum-free media. Kitano K. **Biotechnology** 1991;17:73–106 (232 ref.)

Media and methods for isolation of aeromonads from fecal specimens. A multilaboratory study. Moyer NP, et al. **Experientia** 1991 May 15;47(5):409–12 (16 ref.)

[The status of and outlook for the development of a raw materials base for the manufacture of culture media] Smirnova GA. **Zh Mikrobiol Epidemiol Immunobiol** 1991 May;(5):63–7 (52 ref.) **(Rus)**

CULTURED CELLS see **CELLS, CULTURED**

CULTURED TUMOR CELLS see **TUMOR CELLS, CULTURED**

CURARE-LIKE AGENTS

ADVERSE EFFECTS

[Anesthetics responsible for anaphylactic shock. A French multicenter study] Laxenaire MC, et al. **Ann Fr Anesth Reanim** 1990;9(6):501–6 (21 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOLOGY

Clinical pharmacology of the neuromuscular blocking agents. Larijani GE, et al. **DICP** 1991 Jan;25(1):54–64 (137 ref.)

THERAPEUTIC USE

Use of nondepolarizing neuromuscular blocking agents in mechanically ventilated patients. Buck ML, et al. **Clin Pharm** 1991 Jan;10(1):32–48 (203 ref.)

Sedation, pain relief, and neuromuscular blockade in the postoperative cardiac surgical patient. Coyle JP. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):81–7 (38 ref.)

CURARIFORM DRUGS see **CURARE-LIKE AGENTS**

CURCUMIN

PHARMACOLOGY

Pharmacology of Curcuma longa. Ammon HP, et al. **Planta Med** 1991 Feb;57(1):1–7 (59 ref.)

TOXICITY

Inhibitory effect of curcumin and some related dietary compounds on tumor promotion and arachidonic acid metabolism in mouse skin. Conney AH, et al. **Adv Enzyme Regul** 1991;31:385–96 (27 ref.)

CURRICULUM

Undergraduate teaching project of the American gastroenterological Association: a pathophysiology resource. Hofmann AF, et al. **Am J Physiol** 1991 Jun;260(6 Pt 3):S1–5 (1 ref.)

A core curriculum for medical students in clinical pharmacology and therapeutics. The Council for Medical Student Education in Clinical Pharmacology and Therapeutics. Nierenberg DW. **Clin Pharmacol Ther** 1990 Dec;48(6):606–10 (0 ref.)

Review of the teaching of medical ethics in London medical schools. Burling SJ, et al. **J Med Ethics** 1990 Dec; 16(4):206–9 (11 ref.)

Practical reform of preclinical education: core curriculum and science projects. Charlton BG. **Med Teach** 1991; 13(1):21–8 (16 ref.)

The problem of poor retention of cardiopulmonary resuscitation skills may lie with the instructor, not the learner or the curriculum. Kaye W, et al. **Resuscitation** 1991 Feb;21(1):67–87 (61 ref.)

TRENDS

Medical education for alcohol and other drug abuse in the United States. Lewis DC. **Can Med Assoc J** 1990 Nov 15; 143(10):1091–6 (22 ref.)

CUSHING'S SYNDROME

The Cushing syndromes. Jones KL. **Pediatr Clin North Am** 1990 Dec;37(6):1313–32 (106 ref.)

COMPLICATIONS

Cushing's disease and cutaneous alternariosis. Guerin V, et al. **Arch Intern Med** 1991 Sep;151(9):1865–8 (39 ref.)

[Primary carcinoma of the pituitary gland with Cushing's syndrome and metastases. Apropos of a case with review of the literature] Lévesque H, et al. **Rev Med Interne** 1991 May–Jun;12(3):209–12 (25 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Evaluation and management of Carney's complex: an illustrative case [see comments] Wallace TM, et al. **Cleve Clin J Med** 1991 May–Jun;58(3):248–50, 255–6 (21 ref.) Comment in: Cleve Clin J Med 1991 May–Jun;58(3):214.

The diagnosis and differential diagnosis of Cushing's syndrome. Trainer PJ, et al. **Clin Endocrinol (Oxf)** 1991 Apr;34(4):317–30 (84 ref.)

Corticotropin-releasing hormone testing in pituitary disease. Loriaux DL, et al. **Endocrinol Metab Clin North Am** 1991 Jun;20(2):363–9 (12 ref.)

Cushing's syndrome: new variants and association with empty sella syndrome. Mancini A, et al. **J Nucl Med Allied Sci** 1990 Apr–Jun;34(2):59–66 (58 ref.)

ETIOLOGY

Adrenocorticotropic hormone-independent bilateral adrenocortical macronodular hyperplasia as a distinct subtype of Cushing's syndrome. Enzyme histochemical and ultrastructural study of four cases with a review of the literature. Aiba M, et al. **Am J Clin Pathol** 1991 Sep; 96(3):334–40 (23 ref.)

A black adrenocortical adenoma causing Cushing's syndrome not imaged by radiocholesterol scintigraphy. Reschini E, et al. **Eur J Nucl Med** 1990;17(3–4):185–7 (15 ref.)

Diagnosis of corticotropin-producing bronchial carcinoid tumors causing Cushing's syndrome [see comments] Leinung MC, et al. **Mayo Clin Proc** 1990 Oct; 65(10):1314–21 (39 ref.) Comment in: Mayo Clin Proc 1990 Oct;65(10):1377–80.

Management of Cushing's syndrome secondary to adrenal adenoma during pregnancy. Pricolo VE, et al. **Surgery** 1990 Dec;108(6):1072–7; discussion 1077–8 (28 ref.)

[Cushing's syndrome] Tuschy U, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):135–9 (16 ref.) **(Ger)**

PHYSIOPATHOLOGY

Spontaneous remission in Cushing's disease. Dickstein G, et al. **Arch Intern Med** 1991 Jan;151(1):185–9 (39 ref.)

PSYCHOLOGY

Steroids and depression. Murphy BE. **J Steroid Biochem Mol Biol** 1991 May;38(5):537–59 (186 ref.)

Psychological distress and quality of life in endocrine disease. Sonino N, et al. **Psychother Psychosom** 1990;54(2–3):140–4 (21 ref.)

THERAPY

The treatment of Cushing's syndrome. Atkinson AB. **Clin Endocrinol (Oxf)** 1991 Jun;34(6):507–13 (86 ref.)

[Medical treatment of Cushing syndrome] Mantero F, et al. **Minerva Endocrinol** 1990 Jan–Mar;15(1):17–21 (15 ref.) (Eng. Abstr.) **(Ita)**

CUSHION LINERS see **DENTURE LINERS**

CUSPID

Transmigration of permanent mandibular canines. Case report. Shanmuhasuntharam P, et al. **Aust Dent J** 1991 Jun; 36(3):209–13 (27 ref.)

The retrocuspid papilla of the mandibular lingual gingiva. Buchner A, et al. **J Periodontol** 1990 Sep;61(9):585–9 (16 ref.)

PHYSIOLOGY

Anterior guidance: group function/canine guidance. A literature review. Thornton LJ. **J Prosthet Dent** 1990 Oct; 64(4):479–82 (57 ref.)

CUSTODY, CHILD see **CHILD CUSTODY**

CUSTOMIZED DRUGS see **DESIGNER DRUGS**

CUTANEOUS ADMINISTRATION, DRUG see **ADMINISTRATION, CUTANEOUS**

CUTANEOUS DRUG ADMINISTRATION see **ADMINISTRATION, CUTANEOUS**

CUTANEOUS LARVA MIGRANS see **LARVA MIGRANS**

CUTANEOUS LEPROSY see **LEPROSY, LEPROMATOUS**

CUTANEOUS OXIMETRY see **BLOOD GAS MONITORING, TRANSCUTANEOUS**

CUTIS LAXA

DIAGNOSIS

[What is your diagnosis? Post-inflammatory acquired generalized Cutis laxa] Berthod F, et al. **Pediatrie** 1991; 46(2):147–8 (11 ref.) **(Fre)**

ETIOLOGY

[Acquired post-inflammatory cutis laxa] Yedomon HG, et al. **Ann Dermatol Venereol** 1990;117(8):547–8 (13 ref.) (Eng. Abstr.) **(Fre)**

CYANATES

ADVERSE EFFECTS

Isocyanates. Baur X. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:241–6 (20 ref.)

METABOLISM

The cyanase operon and cyanate metabolism. Anderson PM, et al. **FEMS Microbiol Rev** 1990 Dec;7(3–4):247–52 (40 ref.)

POISONING

Bhopal tragedy's health effects. A review of methyl isocyanate toxicity [see comments] Mehta PS, et al. **JAMA** 1990 Dec 5;264(21):2781–7 (101 ref.) Comment in: JAMA 1990 Dec 5;264(21):2795–6.

CYANIDES

POISONING

Cyanide toxicity from acetonitrile-containing false nail remover. Geller RJ, et al. **Am J Emerg Med** 1991 May; 9(3):268–70 (15 ref.)

Emergency! It's cyanide! Cooper K, et al. **Am J Nurs** 1990 Nov;90(11):42–4 (6 ref.)

Cyanide poisoning from a cosmetic nail remover. Losek JD, et al. **Pediatrics** 1991 Aug;88(2):337–40 (16 ref.)

[Cyanide poisoning. Characteristics and problems in therapy] Tadić V. **Vojnosanit Pregl** 1991 Jan–Feb;48(1):55–60 (45 ref.) **(Scr)**

CYANOBACTERIA see **ALGAE, BLUE-GREEN**

CYANOCOBALAMIN see **VITAMIN B 12**

CYANOMETHANES see **ACETONITRILES**

CYANOPHYCEAE see **ALGAE, BLUE-GREEN**

CYANOPHYTA see **ALGAE, BLUE-GREEN**

CYANOSIS

[Vascular acrosyndromes] Priollet P, et al. **Agressologie** 1990 Apr;31(4):212–8 (14 ref.) **(Fre)**

ETIOLOGY

Juvenile myasthenia gravis: an unusual presentation. Winter PH, et al. **Int J Pediatr Otorhinolaryngol** 1990 Aug; 19(3):273–6 (7 ref.)

[Early acroparesthesia in females: a sign disclosing heterozygote Fabry disease] Larrégue M, et al. **Ann Dermatol Venereol** 1991;118(3):191–7 (40 ref.) (Eng. Abstr.) **(Fre)**

[The importance of Doppler echocardiography in the differential diagnosis of causes of neonatal cyanosis] Katona M, et al. **Orv Hetil** 1990 Nov 4;131(44):2407–10 (28 ref.) (Eng. Abstr.) **(Hun)**

CYBERNETICS

Neurobiological mechanisms of adaptative plasticity. A possible contribution to cybernetic studies. Giaquinto S. **Acta Neurol (Napoli)** 1990 Oct;12(5):337–48 (40 ref.)

Simulation study on dynamics transition in neuronal activity during sleep cycle by using asynchronous and symmetry neural network model. Nakao M, et al. **Biol Cybern** 1990; 63(4):243–50 (38 ref.)

A social pathology of human conflict. Brix VH. **Med War** 1991 Jan–Mar;7(1):21–32 (29 ref.)

CYCLIC AMP see **ADENOSINE CYCLIC MONOPHOSPHATE**

CYCLIC AMP-DEPENDENT PROTEIN KINASE see **PROTEIN KINASES**

3',5'-CYCLIC AMP 5'-NUCLEOTIDOHYDROLASE see **3',5'-CYCLIC AMP PHOSPHODIESTERASE**

3',5'-CYCLIC AMP PHOSPHODIESTERASE

Hormone sensitive phosphodiesterase of liver and adipose tissue. Loten EG. **Int J Biochem** 1991;23(7–8):649–55 (72 ref.)

BLOOD

Affinity labeling of nucleotide binding sites of enzymes and platelets. Colman RF. **Adv Exp Med Biol** 1990;281:257–63 (13 ref.)

CHEMISTRY

A topographical model for the c-AMP phosphodiesterase III active site. Erhardt PW, et al. **Life Sci** 1991;49(8):553–68 (92 ref.)

GENETICS

The Drosophila dunce locus: learning and memory genes in the fly. Davis RL, et al. **Trends Genet** 1991 Jul;7(7):224–9 (40 ref.)

METABOLISM

Cyclic AMP phosphodiesterases and Ca2+ current regulation in cardiac cells. Fischmeister R, et al. **Life Sci** 1991;48(25):2365–76 (132 ref.)

CYCLIC AMP RECEPTORS see **RECEPTORS, CYCLIC AMP**

CYCLIC GMP see **GUANOSINE CYCLIC MONOPHOSPHATE**

3',5'-CYCLIC GMP 5'-NUCLEOTIDOHYDROLASE see **3',5'-CYCLIC GMP PHOSPHODIESTERASE**

3',5'-CYCLIC GMP PHOSPHODIESTERASE

GENETICS

The molecular genetics of retinal photoreceptor proteins involved in cGMP metabolism. Pittler SJ, et al. **Prog Clin Biol Res** 1991;362:33–66 (93 ref.)

METABOLISM

New insights into cGMP action. Corbin JD, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:411–8 (24 ref.)

2',3'-CYCLIC NUCLEOTIDE PHOSPHODIESTERASES

METABOLISM

2',3'-cyclic nucleotide 3'-phosphodiesterase has characteristics of cytoskeletal proteins. A hypothesis for its function. Braun PE, et al. **Ann N Y Acad Sci** 1990; 605:55–65 (30 ref.)

PHYSIOLOGY

Differential modulation of tissue function and therapeutic potential of selective inhibitors of cyclic nucleotide phosphodiesterase isoenzymes. Nicholson CD, et al. **Trends Pharmacol Sci** 1991 Jan;12(1):19–27 (44 ref.)

CYCLICITY see **PERIODICITY**

CYCLIN

see related
MATURATION-PROMOTING FACTOR

METABOLISM

Cell biology. Destruction's our delight... [news; comment] Hunt T. **Nature** 1991 Jan 10;349(6305):100–1 (0 ref.) Comment on: Nature 1991 Jan 10;349(6305):132–8.

G1-specific cyclins: in search of an S-phase-promoting factor. Reed SI. **Trends Genet** 1991 Mar;7(3):95–9 (30 ref.)

PHYSIOLOGY

MPF and cell cycle control. Maller JL. **Adv Second Messenger Phosphoprotein Res** 1990;24:323–8 (40 ref.)

Cyclins: wheels within wheels. Pines J. **Cell Growth Differ** 1991 Jun;2(6):305–10 (70 ref.)

CYCLITIS, CHRONIC see **UVEITIS, INTERMEDIATE**

CYCLITIS, HETEROCHROMIC see **IRIDOCYCLITIS**

CYCLOALDOLASE see **INOSITOL-1-PHOSPHATE SYNTHASE**

CYCLOBUTANES

PHARMACOLOGY

Cyclobutyl compounds as antiviral agents. Clement JJ, et al. **Transplant Proc** 1991 Jun;23(3 Suppl 3):159–61 (7 ref.)

CYCLOHEXANES

METABOLISM

Naturally occurring cyclohexene epoxides revisited. Mahidol C. **Ciba Found Symp** 1990;154:66–73; discussion 74–7 (15 ref.)

CYCLOHEXANOLS

METABOLISM

Classical and nonclassical cannabinoids: mechanism of action—brain binding. Howlett AC, et al. **NIDA Res Monogr** 1990;96:100–11 (42 ref.)

CYCLOHEXIMIDE

PHARMACOLOGY

[The effect of translation inhibitor cycloheximide on expression of mammalian genes] Chesnokov VN, et al. **Biokhimiia** 1990 Jul;55(7):1276–8 (17 ref.) (Eng. Abstr.) **(Rus)**

CYCLONAMINE see **ETHAMSYLATE**

CYCLOOXYGENASE see **PROSTAGLANDIN SYNTHASE**

CYCLOPENTOLATE

ADVERSE EFFECTS

Possible allergic reactions to cyclopentolate hydrochloride: case reports with literature review of uses and adverse reactions. Jones LW, et al. **Ophthalmic Physiol Opt** 1991 Jan;11(1):16–21 (47 ref.)

CYCLOPHOSPHAMIDE

ADMINISTRATION & DOSAGE

Cyclophosphamide pulses in the treatment of rheumatic diseases: an update. De Vita S, et al. **Clin Exp Rheumatol** 1991 Mar–Apr;9(2):179–93 (195 ref.)

[Acute transverse myelitis in systemic lupus erythematosus: successful therapy with cyclophosphamide and prednisone] Misteli M, et al. **Schweiz Med Wochenschr** 1991 Jan 19; 121(3):77–80 (36 ref.) (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Carcinosarcoma of bladder following long–term cyclophosphamide therapy. Sigal SH, et al. **Arch Pathol Lab Med** 1991 Oct;115(10):1049–51 (17 ref.)

Oxazaphosphorine toxicity reduction by mesna. Hilgard P, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):217–20 (9 ref.)

[Carcinoma of the urinary bladder in a patient receiving cyclophosphamide for Wegener's granuloma: a case report] Shiba T, et al. **Hinyokika Kiyo** 1991 Apr;37(4):393–6 (18 ref.) (Eng. Abstr.) **(Jpn)**

[An autopsy case of cyclophophamide–induced interstitial pneumonia] Tanaka H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Dec; 28(12):1622–7 (11 ref.) (Eng. Abstr.) **(Jpn)**

[Gastroenterological complications after bone marrow transplantation] Ratajczak MZ, et al. **Pol Tyg Lek** 1990 Aug 20–27;45(34–35):716–20 (33 ref.) **(Pol)**

ANALOGS & DERIVATIVES

Ex vivo chemopurging of autologous bone marrow with 4–hydroperoxycyclophosphamide to eliminate occult leukemic cells. Laboratory and clinical observations. Yeager AM, et al. **Am J Pediatr Hematol Oncol** 1990 Fall; 12(3):245–56 (45 ref.)

Autologous bone marrow transplantation with 4–hydroperoxycyclophosphamide–purged marrow for acute lymphoblastic leukemia. Gonzales–Chambers R, et al. **Med Pediatr Oncol** 1991;19(3):160–4 (33 ref.)

PHARMACOKINETICS

Clinical pharmacokinetics of cyclophosphamide. Moore MJ. **Clin Pharmacokinet** 1991 Mar;20(3):194–208 (91 ref.)

PHARMACOLOGY

Interactions in recovery and in residual injury from sequential treatments of mouse haemopoietic and stromal marrow cell populations, using X–rays, cyclophosphamide and busulphan. Qi DY, et al. **Radiother Oncol** 1991 Jan; 20(1):46–52 (33 ref.)

THERAPEUTIC USE

The effect of immunosuppressive treatment on ANCA. Petersen J, et al. **APMIS Suppl** 1990;19:40–1 (6 ref.)

Azathioprine, cyclophosphamide and chlorambucil. Luqmani RA, et al. **Baillieres Clin Rheumatol** 1990 Dec;4(3):595–619 (138 ref.)

Factors influencing remission post–BMT in patients with acute and chronic leukemia prepared with cyclophosphamide and total body irradiation (TBI). Bacigalupo A, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:62–3 (9 ref.)

Conventional therapy for idiopathic nephrotic syndrome in children. Brodehl J. **Clin Nephrol** 1991;35 Suppl 1:S8–15 (51 ref.)

Conventional treatment of idiopathic nephrotic syndrome and membranous nephropathy in adults. Ponticelli C, et al. **Clin Nephrol** 1991;35 Suppl 1:S16–21 (49 ref.)

[Treatment of systemic diseases with pulse cyclophosphamide: 15 cases] Amoura Z, et al. **Ann Med Interne (Paris)** 1990;141(5):416–20 (24 ref.) (Eng. Abstr.) **(Fre)**

[Experience with cytostatic therapy of stomach cancer] Kuklis B, et al. **Orv Hetil** 1991 Aug 4;132(31):1691–4 (29 ref.) (Eng. Abstr.) **(Hun)**

[Immunosuppressive therapy of various autoimmune diseases of the nervous system] Neretin VIa, et al. **Sov Med** 1990; (12):31–5 (39 ref.) **(Rus)**

[Lupus nephropathy in children. Based on the authors' caseload] Nieto Rey J, et al. **An Esp Pediatr** 1990 Nov; 33(5):451–6 (50 ref.) (Eng. Abstr.) **(Spa)**

CYCLOPLEGICS see MYDRIATICS

CYCLOPROPANES

PHARMACOLOGY

A novel potent non–benzodiazepine anxioselective agent with reduced dependence liability: ICI 198, 256. Patel JB, et al. **Prog Clin Biol Res** 1990;361:483–8 (9 ref.)

CYCLOSPORIN A see CYCLOSPORINS

CYCLOSPORINES see CYCLOSPORINS

CYCLOSPORINS

Mechanism of cyclosporine–induced hypertension. Luke RG. **Am J Hypertens** 1991 May;4(5 Pt 1):468–71 (17 ref.)

Mechanism of action of cyclosporin A and rationale for use in nephrotic syndrome. Borel JF. **Clin Nephrol** 1991;35 Suppl 1:S23–30 (35 ref.)

ADMINISTRATION & DOSAGE

Cyclosporine monitoring in autoimmune and other diseases. Ludwin D. **Clin Biochem** 1991 Feb;24(1):97–9 (24 ref.)

[Immunotherapy of chronic Guillain–Barré syndrome with high dose IgG and cyclosporin A. Case report, review of the literature and perspectives] Müllges W, et al. **Fortschr Neurol Psychiatr** 1991 May;59(5):183–9 (58 ref.) (Eng. Abstr.) **(Ger)**

[Pregnancy, labor and postpartum development after kidney transplantation and triple therapy with cyclosporin A—follow–up in relation to literature review] Bung P, et al. **Z Geburtshilfe Perinatol** 1991 Jan–Feb;195(1):43–5 (23 ref.) (Eng. Abstr.) **(Ger)**

[Cyclosporin A in organ transplantation] Juszczyński M. **Pol Tyg Lek** 1989 Sep 4–25;44(36–39):846–50 (15 ref.) **(Pol)**

[Results of clinical and experimental use of cyclosporin A (review of foreign literature)] Vorob'ev AA, et al. **Khirurgiia (Mosk)** 1990 Jun;(6):140–3 (67 ref.) **(Rus)**

ADVERSE EFFECTS

Drug–induced hypertension. Lai KN, et al. **Adverse Drug React Toxicol Rev** 1991 Spring;10(1):31–46 (133 ref.)

Improvement of cadaver renal transplantation outcomes with verapamil: a review. Dawidson I, et al. **Am J Med** 1991 May 17;90(5A):37S–41S (8 ref.)

Therapeutic benefits of calcium channel blockers in cyclosporine–treated organ transplant recipients: blood pressure control and immunosuppression. Weir MR. **Am J Med** 1991 May 17;90(5A):32S–36S (27 ref.)

The spectrum of ciclosporin nephrotoxicity [clinical conference] Puschett JB, et al. **Am J Nephrol** 1990; 10(4):296–309 (128 ref.)

Chlorhexidine as an oral hygiene adjunct for cyclosporine–induced gingival hyperplasia. Saravia ME, et al. **ASDC J Dent Child** 1990 Sep–Oct;57(5):366–70 (40 ref.)

Cortical blindness: a rare complication of cyclosporine therapy. Ghalie R, et al. **Bone Marrow Transplant** 1990 Aug;6(2):147–9 (24 ref.)

Cyclosporine toxicity to organs other than the kidney. Rush DN. **Clin Biochem** 1991 Feb;24(1):101–5 (50 ref.)

Management of patients and side effects during cyclosporine therapy for cutaneous disorders. Fradin MS, et al. **J Am Acad Dermatol** 1990 Dec;23(6 Pt 2):1265–73; discussion 1273–5 (126 ref.)

Effects of cyclosporine on renal function in psoriasis patients. Messana JM, et al. **J Am Acad Dermatol** 1990 Dec;23(6 Pt 2):1288–91; discussion 1291–3 (42 ref.)

Cellular and molecular mechanisms of cyclosporin nephrotoxicity. Kopp JB, et al. **J Am Soc Nephrol** 1990 Aug;1(2):162–79 (175 ref.)

Cyclosporine and the renin–angiotensin system. Mason J, et al. **Kidney Int Suppl** 1991 Jun;32:S28–32 (43 ref.)

The pathophysiology of Sandimmune (cyclosporine) in man and animals. Mason J. **Pediatr Nephrol** 1990 Sep;4(5):554–74 (250 ref.)

Cyclosporin nephrotoxicity. Neild GH. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):198–203 (53 ref.)

The case against the indefinite use of cyclosporine. Myers BD, et al. **Transplant Proc** 1991 Feb;23(1 Pt 1):41–2 (9 ref.)

Anemia associated with pregnancy in a cyclosporine–treated renal allograft recipient. Zeidan BS, et al. **Transplant Proc** 1991 Aug;23(4):2301–3 (20 ref.)

[Rhabdomyosarcoma of the nasopharynx occurring with immunosuppressive treatment with cyclosporin A. Apropos of a case] Piller P, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(1):38–40 (14 ref.) (Eng. Abstr.) **(Fre)**

[Gingival hyperplasia in a heart transplant patient treated with cyclosporin A and nifedipine] Goffin M. **Rev Belge Med Dent** 1991;46(2):26–31 (25 ref.) (Eng. Abstr.) **(Fre)**

BLOOD

Therapeutic monitoring for cyclosporine: difficulties in establishing a therapeutic window. Bowers LD. **Clin Biochem** 1991 Feb;24(1):81–7 (38 ref.)

Monoclonal antibody technology for cyclosporine monitoring. Quesniaux VF. **Clin Biochem** 1991 Feb; 24(1):37–42 (17 ref.)

[Determination of cyclosporin concentration in blood by radioimmunoassay] Duffek L, et al. **Orv Hetil** 1991 Feb 3;132(5):239–42 (21 ref.) (Eng. Abstr.) **(Hun)**

IMMUNOLOGY

[Selective immunosuppressive agents: cyclosporine] Olivares JL, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 39:130–2 (12 ref.) **(Spa)**

METABOLISM

The clinical significance of cyclosporine metabolites. Yatscoff RW, et al. **Clin Biochem** 1991 Feb;24(1):23–35 (64 ref.)

Peptidyl–prolyl cis–trans isomerases, cyclophilin, FK506–binding protein, and ninaA: four of a kind. Stamnes MA, et al. **Curr Opin Cell Biol** 1990 Dec;2(6):1104–7 (13 ref.)

Metabolites of cyclosporine: blood and tissue levels. Biological activity? Humbert H. **Int J Rad Appl Instrum [B]** 1990;17(7):723–7 (21 ref.)

The role of cytochromes P–450 in cyclosporine metabolism. Watkins PB. **J Am Acad Dermatol** 1990 Dec;23(6 Pt 2):1301–9; discussion 1309–11 (64 ref.)

Cyclosporin A and its metabolites, distribution in blood and tissues. Akagi H, et al. **J Int Med Res** 1991 Jan–Feb; 19(1):1–18 (91 ref.)

[Treatment of legionellosis with ofloxacin in kidney transplanted patients. Lack of interaction with cyclosporin A] Wynckel A, et al. **Presse Med** 1991 Feb 23;20(7):291–3 (11 ref.) (Eng. Abstr.) **(Fre)**

[Drug interactions of cyclosporine. Literature review] Bouquet S, et al. **Therapie** 1991 Mar–Apr;46(2):155–62 (134 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOKINETICS

Pharmacology and pharmacokinetics of cyclosporine. Freeman DJ. **Clin Biochem** 1991 Feb;24(1):9–14 (64 ref.)

The effect of food on cyclosporine absorption. Honcharik N. **Clin Biochem** 1991 Feb;24(1):89–92 (34 ref.)

Pharmacokinetic drug interactions with cyclosporin (Part II). Yee GC, et al. **Clin Pharmacokinet** 1990 Nov;19(5):400–15 (201 ref.)

Pharmacokinetic drug interactions with cyclosporin (Part I). Yee GC, et al. **Clin Pharmacokinet** 1990 Oct;19(4):319–32 (0 ref.)

PHARMACOLOGY

The complications of newer transplant antirejection drugs: treatment with cyclosporin A, OKT3, and FK506. Li PK, et al. **Adverse Drug React Acute Poisoning Rev** 1990 Autumn;9(3):123–55 (199 ref.)

Pharmacology and pharmacokinetics of cyclosporine. Freeman DJ. **Clin Biochem** 1991 Feb;24(1):9–14 (64 ref.)

The mechanism of action of cyclosporine: a perspective for the 90's. Halloran PF, et al. **Clin Biochem** 1991 Feb; 24(1):3–7 (34 ref.)

Cyclosporine analogues. Jeffery JR. **Clin Biochem** 1991 Feb; 24(1):15–21 (39 ref.)

Immunological monitoring in cyclosporine–treated patients. McKenna RM, et al. **Clin Biochem** 1991 Feb;24(1):75–80 (54 ref.)

The clinical significance of cyclosporine metabolites. Yatscoff RW, et al. **Clin Biochem** 1991 Feb;24(1):23–35 (64 ref.)

Hepatic regeneration. Effects of age, sex hormone status, prolactin, and cyclosporine. Van Thiel DH, et al. **Dig Dis Sci** 1991 Sep;36(9):1309–12 (37 ref.)

The potential of cyclosporin A as an anti–tumour agent. McLachlan G, et al. **Int J Immunopharmacol** 1990; 12(5):469–79 (72 ref.)

Effects of cyclosporine on immunologic mechanisms in psoriasis. Cooper KD, et al. **J Am Acad Dermatol** 1990 Dec;23(6 Pt 2):1318–26; discussion 1326–8 (119 ref.)

Cyclosporin A: new insights for cell biologists and biochemists. Hohman RJ, et al. **New Biol** 1990 Aug; 2(8):663–72 (72 ref.)

The pathophysiology of Sandimmune (cyclosporine) in man and animals. Mason J. **Pediatr Nephrol** 1990 Nov; 4(6):686–704 (226 ref.)

Pharmacology of cyclosporin A (Sandimmun) and clinical experience in inflammatory bowel diseases. Feutren G, et al. **Schweiz Med Wochenschr** 1991 May 18;121(20):748–53 (39 ref.)

Chemistry and biology of the immunophilins and their immunosuppressive ligands. Schreiber SL. **Science** 1991 Jan 18;251(4991):283–7 (57 ref.)

[Non–immunologic effects of cyclosporins] Yousry C, et al. **Pathol Biol (Paris)** 1991 Apr;39(4):293–9 (61 ref.) (Eng. Abstr.) **(Fre)**

POISONING

Acute cyclosporin overdose. A review of present clinical experience. Arellano F, et al. **Drug Saf** 1991 Jul–Aug; 6(4):266–76 (14 ref.)

THERAPEUTIC USE

Ciclosporin in minimal–change glomerulopathy and in focal segmental glomerular sclerosis. Ponticelli C, et al. **Am J Nephrol** 1990;10 Suppl 1:105–9 (39 ref.)

Canadian Consensus Meeting on cyclosporine monitoring: report of the consensus panel. Shaw LM, et al. **Clin Chem** 1990 Oct;36(10):1841–6 (75 ref.)

Current status of cyclosporin A in the treatment of membranous, IgA and membranoproliferative

glomerulonephritis. Cattran DC. **Clin Nephrol** 1991;35 Suppl 1:S43–7 (10 ref.)
Cyclosporine and kidney graft survival: a review. Tiwari JL. **Clin Transpl** 1986;:345–66 (279 ref.)
Emerging indications for the use of cyclosporin in organ transplantation and autoimmunity. Keown PA. **Drugs** 1990 Sep;40(3):315–25 (80 ref.)
Induction and pathophysiology of remission of insulin-dependent diabetes mellitus during administration of ciclosporin. London Diabetes Study Group. Dupre J, et al. **Horm Res** 1990;33(2–4):152–8 (20 ref.)
The use of cyclosporin A in adult nephrotic syndrome: nine cases and literature review. Green A, et al. **Ir J Med Sci** 1990 Jun;159(6):178–81 (34 ref.)
Cyclosporine in nonpsoriatic dermatoses. Ho VC, et al. **J Am Acad Dermatol** 1990 Dec;23(6 Pt 2):1248–57; discussion 1257–9 (109 ref.)
Cyclosporine A in the treatment of psoriasis: a clinical and mechanistic perspective. Griffiths CE, et al. **J Invest Dermatol** 1990 Nov;95(5):53S–55S (15 ref.)
Renal transplantation without steroids. Salaman JR. **Pediatr Nephrol** 1991 Jan;5(1):105–7 (18 ref.)
The discovery and development of cyclosporine (Sandimmune). Borel JF, et al. **Transplant Proc** 1991 Apr; 23(2):1867–74 (35 ref.)
Impact of cyclosporine on organ transplantation. Margreiter R. **Transplant Proc** 1991 Aug;23(4):2180–2 (32 ref.)
Triple therapy. Slapak M, et al. **Transplant Proc** 1991 Aug; 23(4):2186–8 (10 ref.)
Treatment of Wegener's granulomatosis after renal transplantation: is cyclosporine the preferred treatment? Clarke AE, et al. **Transplantation** 1990 Dec;50(6):1047–51 (25 ref.)
[Current status of the drug therapy of sever aplastic anemia] Zhang MH. **Chung Hua Nei Ko Tsa Chih** 1991 May; 30(5):302–4 (13 ref.) **(Chi)**
[Sporotrichoid form of M. marinum infection in a patient treated with cyclosporin following kidney transplantation] Dompmartin A, et al. **Ann Dermatol Venereol** 1991; 118(5):377–9 (29 ref.) **(Fre)**
[Mechanism of action and therapeutic use of cyclosporin A. Experimental and clinical experiences in dermatology] Laub R. **Dermatol Monatsschr** 1990;176(5–6):281–91 (55 ref.) (Eng. Abstr.) **(Ger)**
[Cyclosporin A in the therapy of nephrotic syndrome] Rawer P. **Immun Infekt** 1990 Dec;18(6):198–205 (65 ref.) (Eng. Abstr.) **(Ger)**
[Current therapy of multiple sclerosis: value of cyclosporin A and FK 506] Hohlfeld R. **Nervenarzt** 1991 Feb; 62(2):136–8 (10 ref.) **(Ger)**
[Cyclosporin A: possible use in Crohn disease] Müller MK. **Z Gastroenterol Verh** 1991 Mar;26:152–3 (18 ref.) **(Ger)**
[Cyclosporin in the treatment of idiopathic nephrotic syndrome] Egido de los Ríos J. **An Med Interna** 1991 Jun; 8 Suppl 2:24–9 (45 ref.) **(Spa)**
[Treatment with cyclosporin A of the anemia associated with chronic lymphatic leukemia] Rozman M, et al. **Sangre (Barc)** 1990 Aug;35(4):321–5 (26 ref.) (Eng. Abstr.) **(Spa)**

TOXICITY

Cyclosporine nephrotoxicity--experimental models. Thliveris JA, et al. **Clin Biochem** 1991 Feb;24(1):93–5 (23 ref.)
Ciclosporin. **IARC Monogr Eval Carcinog Risks Hum** 1990; 50:77–114 (247 ref.)
Mechanisms underlying cyclosporin A nephrotoxicity. Whiting PH. **Toxicol Lett** 1990 Sep;53(1–2):69–73 (15 ref.)

CYCLOTRONS see **PARTICLE ACCELERATORS**

CYLINDROMA

Primary cutaneous adenoid cystic carcinoma: a case report and review of the literature. Salzman MJ, et al. **Plast Reconstr Surg** 1991 Jul;88(1):140–4 (33 ref.)

DIAGNOSIS

[Cystic adenoid carcinoma of the larynx. Presentation of a case and review of the literature] Dueñas Parrilla JM, et al. **Acta Otorrinolaringol Esp** 1991 Jan–Feb;42(1):67–70 (23 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Histopathologic grading of salivary gland neoplasms: III. Adenoid cystic carcinomas. Batsakis JG, et al. **Ann Otol Rhinol Laryngol** 1990 Dec;99(12):1007–9 (20 ref.)
Adenoid cystic carcinoma of the breast. A case report and review. Phillips CJ. **J R Army Med Corps** 1991 Feb; 137(1):47–9 (30 ref.)
Epithelial tumors of the lacrimal gland: clinico-pathologic correlation and management. Riedel KG, et al. **Neurosurg Rev** 1990;13(4):289–98 (37 ref.)
Adenoid cystic carcinoma of sweat glands: report of two cases. Urso C, et al. **Tumori** 1991 Jun 30;77(3):264–7 (19 ref.)
[Tumors of the submaxillary gland] Hamoir M, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(1):26–9 (13 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Bronchial carcinoid in adolescents. Edmonds CR, et al. **J Adolesc Health Care** 1990 Nov;11(6):519–22 (19 ref.)

RADIOGRAPHY

Central adenoid cystic carcinoma of the mandible. Brookstone MS, et al. **J Oral Maxillofac Surg** 1990 Dec; 48(12):1329–33 (29 ref.)

SECRETION

Diagnosis of corticotropin-producing bronchial carcinoid tumors causing Cushing's syndrome [see comments] Leinung MC, et al. **Mayo Clin Proc** 1990 Oct; 65(10):1314–21 (39 ref.) Comment in: Mayo Clin Proc 1990 Oct;65(10):1377–80.

SURGERY

[A case of adenoid cystic carcinoma of the esophagus] Okitsu H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Apr; 39(4):480–4 (20 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

[Adenoid cystic carcinoma of the parotid gland] Bourguignat E, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(1):17–20 (13 ref.) (Eng. Abstr.) **(Fre)**

CYPRINUS see **CARP**

CYPROHEPTADINE

ANALOGS & DERIVATIVES

Recent advances in H1-receptor antagonist treatment. Simons FE. **J Allergy Clin Immunol** 1990 Dec;86(6 Pt 2):995–9 (13 ref.)

CYPROTERONE

ANALOGS & DERIVATIVES

Cyproterone acetate as monotherapy in prospective randomized trials. de Voogt HJ. **Prog Clin Biol Res** 1990; 359:85–91; discussion 105–7 (20 ref.)
Use of cyproterone acetate in prostate cancer. Goldenberg SL, et al. **Urol Clin North Am** 1991 Feb;18(1):111–22 (61 ref.)
[Volumetric and structural changes of prostatic carcinoma under hormonal treatment] Boronat F, et al. **Arch Esp Urol** 1990;43 Suppl 1:97–100 (15 ref.) (Eng. Abstr.) **(Spa)**

CYSTADENOCARCINOMA

BLOOD

A case of primary mucinous cystadenocarcinoma of the appendix with elevated serum carcinoembryonic antigen (CEA). Noritake N, et al. **Jpn J Med** 1990 Nov–Dec; 29(6):642–6 (23 ref.)

COMPLICATIONS

Benign teratoma of the omentum and ovary coexistent with an ovarian neoplasm. Smith R, et al. **Gynecol Oncol** 1990 Nov;39(2):204–7 (5 ref.)
Mucinous cystadenocarcinoma of the pancreas: an uncommon presentation with anaemia and upper gastrointestinal bleeding. Inceoglu R, et al. **J R Soc Med** 1991 Mar;84(3):171–2 (5 ref.)

DRUG THERAPY

Intraperitoneal chemotherapy for peritoneal carcinomatosis from colonic or appendiceal cystadenocarcinoma: rationale and results of treatment. Sugarbaker PH, et al. **Prog Clin Biol Res** 1990;354B:141–70 (10 ref.)

PATHOLOGY

Stage I epithelial ovarian tumors of low malignant potential. Sawada M, et al. **Jpn J Clin Oncol** 1991 Feb;21(1):30–4 (20 ref.)
Ovarian carcinoma metastatic to the breast and axillary node. Duda RB, et al. **Surgery** 1991 Sep;110(3):552–6 (26 ref.)
[Serous tumors of the ovary with limited malignancy. Current analysis of a review of the international literature apropos of a case] Lethai N, et al. **Rev Fr Gynecol Obstet** 1990 Jul–Sep;85(7–9):467–72 (21 ref.) (Eng. Abstr.) **(Fre)**

SECONDARY

[Gastric metastases of ovarian adenocarcinoma. Apropos of a case] Majerus B, et al. **Acta Chir Belg** 1990 Jul–Aug; 90(4):166–71 (31 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Rare exocrine pancreatic cancer-operative treatment. Bodner E, et al. **Eur J Surg Oncol** 1991 Apr;17(2):183–9 (26 ref.)

CYSTADENOMA

Microcystic adenoma of the pancreas: report on four cases and review of the literature. Padovani B, et al. **Gastrointest Radiol** 1991 Winter;16(1):62–6 (28 ref.)

DIAGNOSIS

[A case of retroperitoneal schwannoma mimicking a cystadenoma of the pancreas] Obara T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Aug;87(8):1717–20 (16 ref.) **(Jpn)**

PATHOLOGY

Pigmented apocrine hidrocystoma--a report of two cases and review of the literature. off Veraldi S, et al. **Clin Exp Dermatol** 1991 Jan;16(1):18–21 (42 ref.)

SURGERY

[Cystadenoma of the pancreas. Apropos of a case and review of the literature] Floriani A, et al. **Acta Chir Belg** 1991 Mar–Apr;91(2):63–7 (20 ref.) (Eng. Abstr.) **(Fre)**

CYSTADENOMA LYMPHOMATOSUM, PAPILLARY see **ADENOLYMPHOMA**

CYSTATHIONINE BETA-SYNTHASE

GENETICS

Molecular analysis of cystathionine beta-synthase--a gene on chromosome 21. Kraus JP. **Prog Clin Biol Res** 1990; 360:201–14 (20 ref.)

CYSTATIN SUPERFAMILY see **CYSTATINS**

CYSTATINS

CHEMISTRY

The cystatins: protein inhibitors of cysteine proteinases. Turk V, et al. **FEBS Lett** 1991 Jul 22;285(2):213–9 (87 ref.)

PHARMACOLOGY

Proteinase inhibition, immunoglobulin-binding proteins and a novel antimicrobial principle. Björck L. **Mol Microbiol** 1990 Sep;4(9):1439–42 (19 ref.)

PHYSIOLOGY

Cathepsin B and cystatins: evidence for a role in cancer progression. Sloane BF. **Semin Cancer Biol** 1990 Apr; 1(2):137–52 (70 ref.)

CYSTATINS, KININOGEN see **KININOGENS**

CYSTEAMINE

PHARMACOLOGY

Preclinical and clinical studies with cysteamine and pantethine related to the central nervous system. Vécsei L, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(6):835–62 (119 ref.)
[Effect of cysteamine on the exhaustion of somatotropin release inhibiting hormone and its mechanism] Liu JL. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul;21(3):271–4 (20 ref.) **(Chi)**

CYSTECTOMY

see related
URINARY DIVERSION

Alternative forms of urinary diversion after cystectomy. Hatcher PA, et al. **Cancer Treat Res** 1989;46:85–122 (96 ref.)
Neobladders: clinical management and considerations for patients receiving chemotherapy. Broderick GA, et al. **Semin Oncol** 1990 Oct;17(5):598–605 (45 ref.)
Ureteral stump carcinoma incidentally found at cystectomy for bladder cancer. Kinzler GJ, et al. **Urology** 1991 Mar; 37(3):273–6 (21 ref.)
[Report: bladder replacement, status of the question] Van Velthoven R. **Acta Urol Belg** 1991;59(2):201–25 (45 ref.) **(Fre)**
[Inductive chemotherapy of bladder cancer. A critical evaluation] Debruyne FM. **Urologe [A]** 1991 Mar; 30(2):81–4 (27 ref.) (Eng. Abstr.) **(Ger)**
[Malignant fibrous histiocytoma of the urinary bladder: a case report] Okuno T, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Feb;82(2):312–5 (13 ref.) (Eng. Abstr.) **(Jpn)**

METHODS

[Use of isolated intestinal segments in operative urology. Urinary drainage, urinary diversion, ureteral and bladder replacement] Müller-Mattheis V, et al. **Med Klin** 1991 Jan 15;86(1):35–41 (73 ref.) **(Ger)**

CYSTEINAMINE see **CYSTEAMINE**

CYSTEINE

ANALOGS & DERIVATIVES

Biosynthesis and function of selenocysteine-containing enzymes. Stadtman TC. **J Biol Chem** 1991 Sep 5; 266(25):16257-60 (65 ref.)

Selenocysteine: the 21st amino acid. Böck A, et al. **Mol Microbiol** 1991 Mar;5(3):515-20 (37 ref.)

Cysteine sulphinate (CSA) as an excitatory amino acid transmitter candidate in the mammalian central nervous system. Griffiths R. **Prog Neurobiol** 1990;35(4):313-23 (96 ref.)

Biosynthesis, bioactivation, and mutagenicity of S-conjugates. Dekant W, et al. **Toxicol Lett** 1990 Sep; 53(1-2):53-8 (26 ref.)

CHEMISTRY

Complexes of L-cysteine and D-penicillamine with gold (I) and (III). Brown DH, et al. **Proc R Soc Med** 1977;70 Suppl 3:41-2 (0 ref.)

DEFICIENCY

Cystine depletion of cystinotic cells by aminothiols. Thoene JG, et al. **Proc R Soc Med** 1977;70 Suppl 3:37-40 (15 ref.)

METABOLISM

Is the toxicity of cysteine conjugates formed during mercapturic acid biosynthesis relevant to the toxicity of covalently bound drug residues? Stevens JL, et al. **Drug Metab Rev** 1990;22(6-8):617-35 (88 ref.)

Protein kinase C activation by phorbol esters: do cysteine-rich regions and pseudosubstrate motifs play a role? Gschwendt M, et al. **Trends Biochem Sci** 1991 May; 16(5):167-9 (17 ref.)

URINE

Canadian experience with penicillamine therapy for cystinuria. Crawhall JC. **Proc R Soc Med** 1977;70 Suppl 3:34-6 (2 ref.)

The management of cystinuria in 1976. Stephens AD. **Proc R Soc Med** 1977;70 Suppl 3:24-6 (10 ref.)

CYSTEINE ENDOPEPTIDASES see **CYSTEINE PROTEINASES**

CYSTEINE PROTEASE INHIBITORS see **CYSTEINE PROTEINASE INHIBITORS**

CYSTEINE PROTEASES see **CYSTEINE PROTEINASES**

CYSTEINE PROTEINASE ANTAGONISTS see **CYSTEINE PROTEINASE INHIBITORS**

CYSTEINE PROTEINASE INHIBITORS

PHARMACOLOGY

Cell-penetrating inhibitors of calpain. Mehdi S. **Trends Biochem Sci** 1991 Apr;16(4):150-3 (27 ref.)

CYSTEINE PROTEINASE INHIBITORS, ENDOGENOUS see **CYSTEINE PROTEINASE INHIBITORS**

CYSTEINE PROTEINASE INHIBITORS, EXOGENOUS see **CYSTEINE PROTEINASE INHIBITORS**

CYSTEINE PROTEINASES

ANTAGONISTS & INHIBITORS

The cystatins: protein inhibitors of cysteine proteinases. Turk V, et al. **FEBS Lett** 1991 Jul 22;285(2):213-9 (87 ref.)

Proteinase inhibition, immunoglobulin-binding proteins and a novel antimicrobial principle. Björck L. **Mol Microbiol** 1990 Sep;4(9):1439-42 (19 ref.)

CHEMISTRY

The multicatalytic proteinase complex, a major extralysosomal proteolytic system. Orlowski M. **Biochemistry** 1990 Nov 13;29(45):10289-97 (105 ref.)

GENETICS

Regulation of cysteine proteinases during different pathways of differentiation in cellular slime molds. North MJ, et al. **Dev Genet** 1991;12(1-2):154-62 (29 ref.)

IMMUNOLOGY

Immunogenicity of Trypanosoma cruzi cysteine proteinase. Arnholdt AC, et al. **Res Immunol** 1991 Feb;142(2):146-51 (44 ref.)

METABOLISM

Possible mechanism of nuclear translocation of proteasomes. Tanaka K, et al. **FEBS Lett** 1990 Oct 1;271(1-2):41-6 (58 ref.)

CYSTIC ADENOMATOID MALFORMATION OF LUNG, CONGENITAL

DIAGNOSIS

Congenital cystic adenomatoid malformation of the lung. Ribet M, et al. **Eur J Cardiothorac Surg** 1990;4(8):403-5; discussion 406 (13 ref.)

Bronchopulmonary and neurenteric forms of foregut anomalies. Imaging for diagnosis and management. Haddon MJ, et al. **Radiol Clin North Am** 1991 Mar;29(2):241-54 (103 ref.)

CYSTIC DISEASE OF BREAST see **FIBROCYSTIC DISEASE OF BREAST**

CYSTIC DUCT

Case report: cystic duct carcinoma. Galler L, et al. **N J Med** 1991 May;88(5):337-9 (25 ref.)

PATHOLOGY

Granular cell neoplasm of the extrahepatic biliary tree: morphological, ultrastructural, and immunohistochemical study and review of the literature. Lafreniere R, et al. **J Surg Oncol** 1991 Jan;46(1):60-6 (77 ref.)

CYSTIC FIBROSIS

Cystic fibrosis: yesterday, today and tomorrow. Dinwiddie R. **J R Soc Med** 1991;84 Suppl 18:36-9 (37 ref.)

Molecular and cellular biology of cystic fibrosis. McPherson MA, et al. **Mol Aspects Med** 1991;12(1):1-81 (306 ref.)

COMPLICATIONS

Microbiology of airway disease in patients with cystic fibrosis. Gilligan PH. **Clin Microbiol Rev** 1991 Jan; 4(1):35-51 (213 ref.)

Alginate synthesis by Pseudomonas aeruginosa: a key pathogenic factor in chronic pulmonary infections of cystic fibrosis patients. May TB, et al. **Clin Microbiol Rev** 1991 Apr;4(2):191-206 (172 ref.)

Inflammation in the lung in cystic fibrosis. A vicious cycle that does more harm than good? Berger M. **Clin Rev Allergy** 1991 Spring-Summer;9(1-2):119-42 (92 ref.)

Upper respiratory disease, sinusitis, and polyposis. King VV. **Clin Rev Allergy** 1991 Spring-Summer;9(1-2):143-57 (38 ref.)

Allergic bronchopulmonary aspergillosis in patients with cystic fibrosis. Knutsen AP, et al. **Clin Rev Allergy** 1991 Spring-Summer;9(1-2):103-18 (47 ref.)

Fluoroquinolones in the treatment of cystic fibrosis: a critical appraisal. LeBel M. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):316-24 (62 ref.)

Pseudomonas aeruginosa and cystic fibrosis: unusual bacterial adaptation and pathogenesis. Govan JR, et al. **Microbiol Sci** 1986 Oct;3(10):302-8 (36 ref.)

Cystic fibrosis. 1. Pseudomonas aeruginosa infection in cystic fibrosis and its management. Høiby N, et al. **Thorax** 1990 Nov;45(11):881-4 (43 ref.)

Cystic fibrosis. 6. Gastrointestinal and nutritional aspects. Kopelman H. **Thorax** 1991 Apr;46(4):261-7 (28 ref.)

[Glucose intolerance and diabetes during cystic fibrosis] Tubiana-Rufi N, et al. **Ann Pediatr (Paris)** 1991 Apr; 38(4):244-8 (29 ref.) (Eng. Abstr.) **(Fre)**

[Mucoviscidosis. Prognosis. Perspectives (2)] Lebecque P, et al. **Arch Fr Pediatr** 1991 Mar;48(3):217-22 (95 ref.) **(Fre)**

[Arthritis in mucoviscidosis. 4 new cases and review of the literature] Pertuiset E, et al. **Rev Rhum Mal Osteoartic** 1991 Mar;58(3):157-62 (30 ref.) (Eng. Abstr.) **(Fre)**

[Pneumothorax in cystic fibrosis] Aebersold A, et al. **Schweiz Med Wochenschr** 1991 Feb 9;121(6):174-81 (34 ref.) (Eng. Abstr.) **(Ger)**

[Therapy of cholestatic liver diseases with ursodeoxycholic acid: a new treatment principle] Stiehl A. **Z Gastroenterol Verh** 1991 Mar;26:142-3 (19 ref.) **(Ger)**

DIAGNOSIS

Prenatal diagnosis of cystic fibrosis. Christian CL. **Clin Perinatol** 1990 Dec;17(4):779-91 (41 ref.)

Neonatal screening--should we or shouldn't we? Weller PH, et al. **J R Soc Med** 1991;84 Suppl 18:7-9 (20 ref.)

[Mucoviscidosis. Prognosis. Prospects. 1] Lebecque P, et al. **Arch Fr Pediatr** 1991 Feb;48(2):131-6 (100 ref.) **(Fre)**

[Cystic fibrosis--a disease of children and adults] Kulczycki LL, et al. **Pol Tyg Lek** 1990 May 7-14;45(19-20):392-6 (34 ref.) **(Pol)**

DRUG THERAPY

Rationale for antioxidant therapy in pancreatitis and cystic fibrosis. Uden S, et al. **Adv Exp Med Biol** 1990;264:555-72 (56 ref.)

Zinc therapy in children with cystic fibrosis. Safai-Kutti S, et al. **Beitr Infusionther** 1991;27:104-14 (22 ref.)

[Antibiotic inhalation in cystic fibrosis. A review of the literature] Steinkamp G. **Monatsschr Kinderheilkd** 1991 Feb;139(2):73-80 (32 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

Isolating the cystic fibrosis gene and possibilities for treatment. Buchwald M. **Del Med J** 1990 Oct; 62(10):1275-8, 1281 (21 ref.)

Genetics of cystic fibrosis. Gasparini P. **Dig Dis** 1991; 9(3):179-88 (50 ref.)

The cystic fibrosis defect approached from different angles--new perspectives on the gene, the chloride channel, diagnosis and therapy. Halley DJ, et al. **Eur J Pediatr** 1990 Jul;149(10):670-7 (63 ref.)

Cystic fibrosis: the new genetics. Brock DJ, et al. **J R Soc Med** 1991;84 Suppl 18:2-6 (14 ref.)

Cystic fibrosis. 3. Cloning the cystic fibrosis gene: implications for diagnosis and treatment. Porteous DJ, et al. **Thorax** 1991 Jan;46(1):46-55 (61 ref.)

[Principles of DNA diagnosis exemplified by cystic fibrosis] Peinemann F, et al. **Monatsschr Kinderheilkd** 1991 Feb; 139(2):83-8 (20 ref.) (Eng. Abstr.) **(Ger)**

[Genetic counseling in prenatal diagnosis of cystic fibrosis] Wolff G, et al. **Monatsschr Kinderheilkd** 1991 May; 139(5):275-81 (21 ref.) (Eng. Abstr.) **(Ger)**

[Cystic fibrosis in changing times. Clinical aspects, basic defect and molecular biology aspects] Liechti-Gallati S, et al. **Schweiz Med Wochenschr** 1991 Jan 26;121(4):96-104 (48 ref.) (Eng. Abstr.) **(Ger)**

[Genetics of metabolic diseases. Including cystic fibrosis] Martínez Valverde A, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 42:123-31 (45 ref.) **(Spa)**

IMMUNOLOGY

Cystic fibrosis. Infection and immunity to Staphylococcus aureus and Haemophilus influenzae. Greenberg DP, et al. **Clin Rev Allergy** 1991 Spring-Summer;9(1-2):75-86 (46 ref.)

Drug allergy in cystic fibrosis. Moss RB. **Clin Rev Allergy** 1991 Spring-Summer;9(1-2):211-29 (51 ref.)

Cystic fibrosis. Infection and immunity to Pseudomonas. Sorensen RU, et al. **Clin Rev Allergy** 1991 Spring-Summer; 9(1-2):47-74 (187 ref.)

The relationship between atopy and cystic fibrosis. Wilmott RW. **Clin Rev Allergy** 1991 Spring-Summer;9(1-2):29-46 (53 ref.)

METABOLISM

Protease actions on airway secretions. Relevance to cystic fibrosis. Nadel JA. **Ann N Y Acad Sci** 1991;624:286-96 (50 ref.)

Pharmacokinetics of drugs in cystic fibrosis. Spino M. **Clin Rev Allergy** 1991 Spring-Summer;9(1-2):169-210 (210 ref.)

Basic aspects of cystic fibrosis. Wine JJ. **Clin Rev Allergy** 1991 Spring-Summer;9(1-2):1-28 (80 ref.)

Cystic fibrosis: an inborn error of cellular electrolyte transport? O'Loughlin EV. **J Paediatr Child Health** 1990 Jun;26(3):126-31 (48 ref.)

Energy balance and growth in cystic fibrosis. Wootton SA, et al. **J R Soc Med** 1991;84 Suppl 18:22-7 (30 ref.)

Cystic fibrosis. 4. Abnormalities of airway epithelial function and the implications of the discovery of the cystic fibrosis gene. Cuthbert AW. **Thorax** 1991 Feb;46(2):124-30 (40 ref.)

[A flip-flop model of the chloride channel complex explains the dysregulation of the chloride flow in the plasmalemma of cells in cystic fibrosis] Thinnes FP, et al. **Klin Wochenschr** 1991 May 3;69(7):283-8 (38 ref.) (Eng. Abstr.) **(Ger)**

[Ion transport dysfunction in mucoviscidosis. Current status] Frömter E. **Pneumologie** 1990 Oct;44(10):1144-6 (24 ref.) **(Ger)**

MICROBIOLOGY

The impact of respiratory viral infections in patients with cystic fibrosis. Prober CG. **Clin Rev Allergy** 1991 Spring-Summer;9(1-2):87-102 (30 ref.)

Alginate production by the mucoid Pseudomonas aeruginosa associated with cystic fibrosis. Gill JF, et al. **Microbiol Sci** 1987 Oct;4(10):296-9 (36 ref.)

PATHOLOGY

Hypoproteinemia, anemia, and failure to thrive in an infant. Bines JE, et al. **Gastroenterology** 1991 Sep;101(3):848-56 (74 ref.)

Cystic fibrosis. 2. Lung injury in cystic fibrosis. Elborn JS, et al. **Thorax** 1990 Dec;45(12):970-3 (40 ref.)

[Changes in the lungs in mucoviscidosis. Feasibility and advantages of different imaging techniques] Bick U, et al. **Radiologe** 1990 Dec;30(12):598-605 (35 ref.) (Eng. Abstr.) **(Ger)**

[Current findings on cystic fibrosis] Ansaldi N, et al. **Minerva Pediatr** 1991 Jun;43(6):419-25 (28 ref.) **(Ita)**

PHYSIOPATHOLOGY

Airway reactivity in cystic fibrosis. Tepper RS, et al. **Clin Rev Allergy** 1991 Spring-Summer;9(1-2):159-68 (29 ref.)

Prolactin action in cystic fibrosis. Robertson MT, et al. **Mater Med Pol** 1990 Apr-Jun;22(2):68-9 (10 ref.)

[Cystic fibrosis and bronchial hyper-reactivity] Oswald-Mammosser M, et al. **Rev Mal Respir** 1991; 8(3):283-7 (25 ref.) (Eng. Abstr.) **(Fre)**

[Mucoviscidosis] Casimir G. **Rev Med Brux** 1991 Apr; 12(4):135–44 (23 ref.) (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Periodic health examination, 1991 update: 4. Screening for cystic fibrosis. Canadian Task Force on the Periodic Health Examination. **Can Med Assoc J** 1991 Sep 15;145(6):629–35 (44 ref.)

Preventing cystic fibrosis in the RSA. Hitzeroth HW, et al. **S Afr Med J** 1991 Jul 20;80(2):92–8 (31 ref.)

[DNA analysis and prenatal diagnosis in cystic fibrosis] Schnedl W, et al. **Wien Klin Wochenschr** 1991;103(2):29–33 (29 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Psychological consequences of cystic fibrosis in adults. Aspin AJ. **Br J Hosp Med** 1991 Jun;45(6):368–71 (30 ref.)

SURGERY

Heart–lung transplantation for patients with cystic fibrosis. A test of clinical wisdom. Fiel SB. **Arch Intern Med** 1991 May;151(5):870–2 (10 ref.)

Heart–lung and lung transplantation for cystic fibrosis. Lewiston N, et al. **Clin Rev Allergy** 1991 Spring–Summer; 9(1–2):231–47 (23 ref.)

Heart–lung transplantation for cystic fibrosis. Higenbottam TW, et al. **J R Soc Med** 1991;84 Suppl 18:18–21 (31 ref.)

THERAPY

Cystic fibrosis, pathophysiological and clinical aspects. Neijens HJ, et al. **Eur J Pediatr** 1990 Aug;149(11):742–51 (123 ref.)

Nutritional strategies in cystic fibrosis: current issues. MacDonald A, et al. **J R Soc Med** 1991;84 Suppl 18:28–35 (67 ref.)

Pathogenesis and management of lung disease in cystic fibrosis. Zach MS. **J R Soc Med** 1991;84 Suppl 18:10–7 (88 ref.)

[Some new treatment strategies for lung involvement in patients with mucoviscidosis] Hein J, et al. **Kinderarztl Prax** 1990 Aug;58(8):395–9 (21 ref.) (Eng. Abstr.) **(Ger)**

CYSTICERCOSIS

Subcutaneous cysticercosis. Wortman PD. **J Am Acad Dermatol** 1991 Aug;25(2 Pt 2):409–14 (44 ref.)

COMPLICATIONS

[Hydrocephalus and cerebral cysticercosis. A case report. Review of the literature] Bellard S, et al. **Neurochirurgie** 1990;36(3):185–90 (17 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

New approaches in the diagnosis of Taenia solium cysticercosis and taeniasis. Flisser A, et al. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:95–8 (24 ref.)

Clinical, radiological and cerebrospinal fluid presentation of neurocysticercosis: a prospective study. Bittencourt PR, et al. **Arq Neuropsiquiatr** 1990 Sep;48(3):286–95 (31 ref.)

Molecular technology: improving strategies for controlling hydatid disease and cysticercosis. McManus DP. **Southeast Asian J Trop Med Public Health** 1990 Jun; 21(2):161–73 (54 ref.)

[Cysticercosis of the 4th ventricle] Sandt G, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1990;127(1):45–9 (27 ref.) (Eng. Abstr.) **(Fre)**

[Ocular cysticercosis, typical forms and treatment] Berche M, et al. **Ophtalmologie** 1990 Jul–Aug;4(4):377–9 (22 ref.) (Eng. Abstr.) **(Fre)**

[Neurocysticercosis in childhood. I. Clinical and laboratory diagnosis] Bruck I, et al. **Arq Neuropsiquiatr** 1991 Mar; 49(1):43–6 (14 ref.) (Eng. Abstr.) **(Por)**

EPIDEMIOLOGY

The ovine cysticercosis as models for research into the epidemiology and control of the human and porcine cysticercosis Taenia solium: I. Epidemiological considerations. Gemmell MA, et al. **Acta Leiden** 1989; 57(2):165–72 (16 ref.)

PATHOLOGY

Neurocysticercosis: neurologic, pathogenic, diagnostic and therapeutic aspects. Davis LE, et al. **Eur Neurol** 1991; 31(4):229–40 (90 ref.)

PREVENTION & CONTROL

Recent advances in vaccination against cysticercosis. Lightowlers MW. **Acta Leiden** 1989;57(2):135–42 (30 ref.)

CYSTINE

ANALYSIS

Prophylaxis of uric acid and cystine stones. Hess B. **Urol Res** 1990;18 Suppl 1:S41–4 (30 ref.)

ANTAGONISTS & INHIBITORS

Antagonism to neuronal cystine uptake a factor in neuronal damage by glutamate. **Nutr Rev** 1990 Dec;48(12):440–2 (7 ref.)

CYSTINOSIS

Update on nephropathic cystinosis. Schneider JA, et al. **Pediatr Nephrol** 1990 Nov;4(6):645–53 (94 ref.)

METABOLISM

Cystine depletion of cystinotic cells by aminothiols. Thoene JG, et al. **Proc R Soc Med** 1977;70 Suppl 3:37–40 (15 ref.)

CYSTINURIA

COMPLICATIONS

Therapeutic dilemmas in management of cystine calculi. Singer A, et al. **Urology** 1991 Apr;37(4):322–6 (46 ref.)

DIAGNOSIS

Cystinuria. Milliner DS. **Endocrinol Metab Clin North Am** 1990 Dec;19(4):889–907 (112 ref.)

[Laboratory diagnosis of cystinuria] Berg W. **Z Urol Nephrol** 1990 Dec;83(12):679–85 (12 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

A case of nephrotic syndrome due to alpha–mercaptopropionyl glycine in a patient with familial cystinuria. Shibasaki T, et al. **Nippon Jinzo Gakkai Shi** 1990 Aug;32(8):933–7 (9 ref.)

CYSTITIS

[A case of infected urachal cyst in an 8–year–old boy] Yoshioka M, et al. **Hinyokika Kiyo** 1991 Feb;37(2):183–5 (8 ref.) (Eng. Abstr.) **(Jpn)**

[Recurrent cystitis in women] Srougi M. **AMB Rev Assoc Med Bras** 1990 Jan–Mar;36(1):59–62 (16 ref.) **(Por)**

COMPLICATIONS

[A case of emphysematous cystitis] Sai Y, et al. **Hinyokika Kiyo** 1990 Aug;36(8):949–52 (16 ref.) (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

[Interstitial cystitis: drug therapy] Piña Vera MJ, et al. **Actas Urol Esp** 1990 May–Jun;14(3):165–71 (87 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Inflammatory mediators and interstitial cystitis. Felsen D, et al. **Semin Urol** 1991 May;9(2):102–7 (50 ref.)

Comparison of antiadherence activity of bladder extracts from interstitial cystitis patients with recurrent urinary tract infections. Ruggieri MR, et al. **Semin Urol** 1991 May; 9(2):136–42 (54 ref.)

Role of the immune system in interstitial cystitis. Stone AR, et al. **Semin Urol** 1991 May;9(2):108–14 (51 ref.)

Bladder mast cell activation in interstitial cystitis. Theoharides TC, et al. **Semin Urol** 1991 May;9(2):74–87 (122 ref.)

CYSTOCELE see **BLADDER DISEASES**

CYSTOPYELITIS see **PYELOCYSTITIS**

CYSTOSARCOMA PHYLLODES

PATHOLOGY

Leiomyosarcoma arising in atypical fibromuscular hyperplasia (phyllodes tumor) of the prostate with distant metastasis. Yum M, et al. **Cancer** 1991 Aug 15;68(4):910–5 (17 ref.)

RADIOGRAPHY

[Malignant cystosarcoma phyllodes] Dietz R. **Strahlenther Onkol** 1991 May;167(5):292–4 (29 ref.) (Eng. Abstr.) **(Ger)**

SECONDARY

Metastatic malignant cystosarcoma phyllodes. Report of a case presenting with an oral tumour and review of the literature. Yoshimura Y, et al. **J Craniomaxillofac Surg** 1991 Jul;19(5):227–31 (13 ref.)

CYSTOSCOPY

METHODS

[The endoscopic correction of vesicoureteral reflux by the insufflation of a teflon paste] Chepurov AK, et al. **Urol Nefrol (Mosk)** 1990 Nov–Dec;(6):63–8 (84 ref.) **(Rus)**

VETERINARY

Cystoscopy. McCarthy TC, et al. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1315–39 (15 ref.)

CYSTOSTOMY

METHODS

[Use of isolated intestinal segments in operative urology. Urinary drainage, urinary diversion, ureteral and bladder replacement] Müller–Mattheis V, et al. **Med Klin** 1991 Jan 15;86(1):35–41 (73 ref.) **(Ger)**

CYSTS

Pseudocyst of the auricle. Case report and world literature review [see comments] Cohen PR, et al. **Arch Otolaryngol Head Neck Surg** 1990 Oct;116(10):1202–4 (18 ref.) Comment in: Arch Otolaryngol Head Neck Surg 1991 Mar;117(3):341.

An enteric duplication cyst occurring in the anterior two–thirds of the tongue. Willner A, et al. **Int J Pediatr Otorhinolaryngol** 1991 Apr;21(2):169–77 (21 ref.)

Tailgut cyst (retrorectal cyst hamartoma): case report and review. Pyo DJ. **Mt Sinai J Med** 1990 Sep;57(4):249–52 (16 ref.)

[Cervicofacial cystic lymphangioma. Update apropos of 7 cases] Touhami M, et al. **J Chir (Paris)** 1991 Mar; 128(3):145–52 (25 ref.) (Eng. Abstr.) **(Fre)**

[Cystic transformation of the bile ducts] Gordeev PS, et al. **Khirurgiia (Mosk)** 1991 Feb;(2):145–8 (48 ref.) **(Rus)**

[Diagnosis and surgical treatment of polycystic disease of the liver] Mobchun AA, et al. **Khirurgiia (Mosk)** 1991 Apr; (4):162–8 (85 ref.) **(Rus)**

[Splenic cysts] Fernández–Llamazares Rodríguez J, et al. **Rev Quir Esp** 1988 Jul–Aug;15(4):175–8 (15 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Adenocarcinoma arising in retroperitoneal enterogenous cyst presenting as a renal cyst: report of an unusual case. Marrogi AJ, et al. **Eur J Surg Oncol** 1991 Jun;17(3):300–7 (40 ref.)

The etiology and clinical significance of pseudoascites. Fiedorek SC, et al. **J Gen Intern Med** 1991 Jan–Feb; 6(1):77–80 (43 ref.)

Malignant mesenchymoma associated with a congenital lung cyst in a child: case report and review of the literature. Domizio P, et al. **Pediatr Pathol** 1990;10(5):785–97 (23 ref.)

Benign lymphoepithelial lesion and lymphoepithelial cyst of the parotid gland in HIV infection. Smith FB. **Prog AIDS Pathol** 1990;2:61–72 (32 ref.)

[Renal agenesis, bicornuate uterus and cyst of the Gartner's duct] Staerman F, et al. **Ann Pediatr (Paris)** 1991 May; 38(5):341–3 (7 ref.) (Eng. Abstr.) **(Fre)**

[A parathyroid cyst and an adenoma associated with primary hyperparathyroidism: report of a case] Inoue H, et al. **Hinyokika Kiyo** 1990 Oct;36(10):1197–202 (30 ref.) (Eng. Abstr.) **(Jpn)**

[Ectopic ureter in seminal vesicle with cystic dysplasia. A clinical case and review of the literature] Soler Fernández JM, et al. **Actas Urol Esp** 1990 Nov–Dec;14(6):447–50 (40 ref.) (Eng. Abstr.) **(Spa)**

[Cystic ureteritis. Presentation of a new case and review of the most recent national literature] Luque Arana JI, et al. **Arch Esp Urol** 1990 Jul–Aug;43(6):668–71 (28 ref.) (Eng. Abstr.) **(Spa)**

CONGENITAL

Caroli's disease associated with hepatolithiasis: a case report and review of the Japanese literature. Tsunoda T, et al. **Gastroenterol Jpn** 1991 Feb;26(1):74–9 (6 ref.)

DIAGNOSIS

Adventitial cystic disease. McAnespey D, et al. **J Foot Surg** 1991 Mar–Apr;30(2):160–4 (19 ref.)

Intracranial neurenteric cysts. Report of two cases. Malcolm GP, et al. **J Neurosurg** 1991 Jul;75(1):115–20 (27 ref.)

Clinical, radiographic, and pathological features of symptomatic Rathke's cleft cysts. Voelker JL, et al. **J Neurosurg** 1991 Apr;74(4):535–44 (106 ref.)

Symptomatic pineal cyst: case report. Maurer PK, et al. **Neurosurgery** 1990 Sep;27(3):451–3; discussion 453–4 (16 ref.)

Enterogenous cyst of the cerebellopontine angle cistern: case report. Umezu H, et al. **Neurosurgery** 1991 Mar;28(3):462–5; discussion 465–6 (4 ref.)

[Cystic chondromalacia of the auricle. A case report. Review of the literature] Labbé D, et al. **Ann Chir Plast Esthet** 1991;36(1):71–4 (8 ref.) (Eng. Abstr.) **(Fre)**

[Significance of prenatal diagnosis of fetal choroid plexus cysts [editorial]] Lurie S, et al. **Harefuah** 1990 Dec 2; 119(11):408–9 (21 ref.) **(Heb)**

[Possibilities of current methods of diagnosis and surgical treatment of hepatic cysts] Abdullaev AG. **Khirurgiia (Mosk)** 1990 Aug;(8):157–63 (98 ref.) **(Rus)**

ETIOLOGY

Adult polycystic disease of the liver. Vauthey JN, et al. **Br J Surg** 1991 May;78(5):524–7 (88 ref.)

[A case of biloma induced by spontaneous rupture of gallbladder] Suda T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jun;88(6):1375–9 (13 ref.) **(Jpn)**

MICROBIOLOGY

Infected pseudocyst of adrenal gland. Case report. Naess H, et al. **Eur J Surg** 1991 Mar;157(3):237–8 (11 ref.)

PATHOLOGY

Encysted hard contact lens appearing as an orbital mass. Friedberg ML, et al. **Ophthal Plast Reconstr Surg** 1989; 5(4):291–3 (18 ref.)

Benign cystic mesothelioma of the peritoneum: report of a case. Chen YC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1990 Jun;89(6):479–83 (23 ref.)

[Retention cyst of the prostate with projection of hyperplastic tissue: report of a case] Kawakami S, et al. **Hinyokika Kiyo** 1991 Apr;37(4):397–401 (33 ref.) (Eng. Abstr.) **(Jpn)**

[Mediastinal parathyroid cyst] Togashi K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jul;39(7):1117–20 (16 ref.) (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Cysts, benign tumors, and malignant tumors of the paranasal sinuses. Zizmor J, et al. **Otolaryngol Clin North Am** 1973 Jun;6(2):487–508 (7 ref.)

High-resolution computed tomography of cystic lung disease. Naidich DP. **Semin Roentgenol** 1991 Apr; 26(2):151–74 (105 ref.)

SURGERY

[Splenic cysts. Decapsulation treatment or partial splenectomy] Kramer WL. **Ned Tijdschr Geneeskd** 1990 Nov 3;134(44):2130–4 (32 ref.) **(Dut)**

[Cysts of the spleen. Spontaneous involution checked by imaging] Raffaelli CP, et al. **J Radiol** 1991 Jun–Jul; 72(6–7):389–92 (20 ref.) (Eng. Abstr.) **(Fre)**

[Non-parasitic cysts of the spleen (review of the literature)] Kurguzov OP, et al. **Khirurgiia (Mosk)** 1990 Jun;(6):130–4 (114 ref.) **(Rus)**

THERAPY

Percutaneous therapy for hepatic cysts. Case report and review of literature. Buckenham TM, et al. **Australas Radiol** 1990 May;34(2):159–61 (7 ref.)

ULTRASONOGRAPHY

Fetal choroid plexus cysts: a prospective study and review of the literature. Twining P, et al. **Br J Radiol** 1991 Feb; 64(758):98–102 (14 ref.)

[Complicated solitary biliary cysts] Benchimol D, et al. **J Chir (Paris)** 1991 May;128(5):221–5 (27 ref.) (Eng. Abstr.) **(Fre)**

[Ultrasonic follow up of spontaneous regression of neonatal abdominal cystic changes] Kis E, et al. **Orv Hetil** 1990 Dec 16;131(50):2743–5 (15 ref.) (Eng. Abstr.) **(Hun)**

CYSTS, HYDATID see **ECHINOCOCCOSIS**

CYTAPHERESIS

see related
IMMUNOTHERAPY, ADOPTIVE

CYTARABINE

ADVERSE EFFECTS

Cerebellar toxicity during cytarabine therapy associated with renal insufficiency. Hasle H. **Cancer Chemother Pharmacol** 1990;27(1):76–8 (21 ref.)

Cytarabine and neurologic toxicity. Baker WJ, et al. **J Clin Oncol** 1991 Apr;9(4):679–93 (124 ref.)

ANALOGS & DERIVATIVES

Fluorinated pyrimidines: a new change for old drugs. King DH. **Transplant Proc** 1991 Jun;23(3 Suppl 3):168–70 (14 ref.)

METABOLISM

Features of the initial metabolism of 1-beta-D-arabinofuranosylcytosine in human myeloid leukemic cells. Mejer JN. **Dan Med Bull** 1991 Feb; 38(1):77–84 (95 ref.)

PHARMACOLOGY

Biochemical modulation of cytosine arabinoside. Grant S. **Pharmacol Ther** 1990;48(1):29–44 (161 ref.)

THERAPEUTIC USE

Cytosine arabinoside in the treatment of acute myeloid leukemia: the role and place of high-dose regimens. Hiddemann W. **Ann Hematol** 1991 Apr;62(4):119–28 (123 ref.)

Cellular and pharmacologic aspects of drug resistance in acute myeloid leukemia. Ross DD. **Curr Opin Oncol** 1991 Feb;3(1):21–9 (38 ref.)

Rationales for a pharmacologically optimized treatment of acute nonlymphocytic leukemia with cytosine arabinoside. Heinemann V, et al. **Leukemia** 1990 Nov;4(11):790–6 (110 ref.)

[Therapeutic possibilities in the treatment of the myelodysplasia syndrome] Bozóky G, et al. **Orv Hetil** 1991 May 12;132(19):1011–5 (33 ref.) (Eng. Abstr.) **(Hun)**

CYTIDYLATE PHOSPHATASE see **5'-NUCLEOTIDASE**

CYTOCHEMISTRY see **HISTOCYTOCHEMISTRY**

CYTOCHROME AA3 see **CYTOCHROME OXIDASE**

CYTOCHROME B

CHEMISTRY

Bacterial 4-alpha-helical bundle cytochromes. Moore GR. **Biochim Biophys Acta** 1991 May 23;1058(1):38–41 (51 ref.)

CYTOCHROME B5

BIOSYNTHESIS

[Benzodiazepines as cytochrome P-450 and cytochrome b5 inductors in rat liver microsomes] Pachecka J, et al. **Folia Med Cracov** 1990;31(3):209–15 (13 ref.) (Eng. Abstr.) **(Pol)**

CHEMISTRY

[Cytochrome B5--its molecular characteristics and biochemical significance] Angelov E. **Eksp Med Morfol** 1991;30(1):36–45 (29 ref.) **(Bul)**

CYTOCHROME BC1 COMPLEX see **UBIQUINOL-CYTOCHROME C REDUCTASE**

CYTOCHROME C

Evolution of cytochromes and photosynthesis. Meyer TE. **Biochim Biophys Acta** 1991 May 23;1058(1):31–4 (36 ref.)

BIOSYNTHESIS

The functions and synthesis of bacterial c-type cytochromes with particular reference to Paracoccus denitrificans and Rhodobacter capsulatus. Ferguson SJ. **Biochim Biophys Acta** 1991 May 23;1058(1):17–20 (45 ref.)

CHEMISTRY

Bacterial 4-alpha-helical bundle cytochromes. Moore GR. **Biochim Biophys Acta** 1991 May 23;1058(1):38–41 (51 ref.)

Primary structure diversity of prokaryotic diheme cytochromes c. Van Beeumen J. **Biochim Biophys Acta** 1991 May 23;1058(1):56–60 (19 ref.)

CLASSIFICATION

Sequence variability in bacterial cytochromes c. Ambler RP. **Biochim Biophys Acta** 1991 May 23;1058(1):42–7 (70 ref.)

Structural and functional approach toward a classification of the complex cytochrome c system found in sulfate-reducing bacteria. Moura JJ, et al. **Biochim Biophys Acta** 1991 May 23;1058(1):61–6 (89 ref.)

METABOLISM

Structural description of acid-denatured cytochrome c by hydrogen exchange and 2D NMR [published erratum appears in Biochemistry 1991 Mar 19;30(11):2988] Jeng MF, et al. **Biochemistry** 1990 Nov 20;29(46):10433–7 (35 ref.)

Ligand binding properties of cytochromes c'. Kassner RJ. **Biochim Biophys Acta** 1991 May 23;1058(1):8–12 (22 ref.)

Effect of enzymatic methylation of cytochrome c on its function and synthesis. Frost B, et al. **Int J Biochem** 1990; 22(10):1069–74 (53 ref.)

Biogenesis of mitochondrial c-type cytochromes. Gonzales DH, et al. **J Bioenerg Biomembr** 1990 Dec;22(6):753–68 (72 ref.)

Do photosynthetic and respiratory electron transport chains share redox proteins? Scherer S. **Trends Biochem Sci** 1990 Dec;15(12):458–62 (38 ref.)

CYTOCHROME C OXIDASE see **CYTOCHROME OXIDASE**

CYTOCHROME C REDUCTASE see **NADH DEHYDROGENASE**

CYTOCHROME OXIDASE

Evolutionary aspects of cytochrome c oxidase. Kadenbach B, et al. **J Bioenerg Biomembr** 1991 Apr;23(2):321–34 (83 ref.)

DEFICIENCY

Multiple defects of the mitochondrial respiratory chain in a mitochondrial encephalopathy (MERRF): a clinical, biochemical and molecular study. Bindoff LA, et al. **J Neurol Sci** 1991 Mar;102(1):17–24 (48 ref.)

Cytochrome c oxidase deficiency. DiMauro S, et al. **Pediatr Res** 1990 Nov;28(5):536–41 (60 ref.)

Isoforms of mammalian cytochrome c oxidase: correlation with human cytochrome c oxidase deficiency. Kennaway NG, et al. **Pediatr Res** 1990 Nov;28(5):529–35 (35 ref.)

[Clinical and biochemical heterogeneity of childhood cytochrome C deficiency. Review of the literature] Roig Quilis M, et al. **An Esp Pediatr** 1991 Feb;34(2):115–22 (28 ref.) (Eng. Abstr.) **(Spa)**

GENETICS

Genes coding for cytochrome c oxidase in Paracoccus denitrificans. van der Oost J, et al. **J Bioenerg Biomembr** 1991 Apr;23(2):257–67 (39 ref.)

Structural features of cytochrome oxidase. Saraste M. **Q Rev Biophys** 1990 Nov;23(4):331–66 (117 ref.)

METABOLISM

Cytochrome c oxidase in Paracoccus denitrificans. Protein, chemical, structural, and evolutionary aspects. Buse G, et al. **J Bioenerg Biomembr** 1991 Apr;23(2):269–89 (69 ref.)

Cytochrome c oxidase metal centers: location and function. Müller M, et al. **J Bioenerg Biomembr** 1991 Apr; 23(2):291–302 (80 ref.)

The reactions of the oxidase and reductases of Paracoccus denitrificans with cytochromes c. Smith L, et al. **J Bioenerg Biomembr** 1991 Apr;23(2):303–19 (65 ref.)

The cytochrome c reductase/oxidase respiratory pathway of Paracoccus denitrificans: genetic and functional studies. Steinrücke P, et al. **J Bioenerg Biomembr** 1991 Apr; 23(2):227–39 (33 ref.)

PHYSIOLOGY

Review article: structural and functional properties of cytochrome aa3 from bacteria. García-Horsman JA, et al. **Bol Estud Med Biol** 1990 Jan–Jun;38(1–2):29–40 (62 ref.)

[Roles of cytochromes and H+ translocation in bacterial respiratory complexes] Sone N. **Tanpakushitsu Kakusan Koso** 1991 Apr;36(5):798–813 (92 ref.) **(Jpn)**

CYTOCHROME P-450

ANALYSIS

Two forms of cytochrome P-450(11 beta) in rat zona glomerulosa cells: a short review. Müller J, et al. **Endocr Res** 1991;17(1–2):165–84 (53 ref.)

ANTAGONISTS & INHIBITORS

Inhibition of oral contraceptive steroid-metabolizing enzymes by steroids and drugs. Guengerich FP. **Am J Obstet Gynecol** 1990 Dec;163(6 Pt 2):2159–63 (36 ref.)

Inhibitors of fungal sterol synthesis: squalene-epoxidation and C-14-demethylation. Berg D, et al. **J Enzym Inhib** 1989; 3(1):1–11 (52 ref.)

[Inhibition of cytochromes P-450. Biochemical mechanisms and possible therapeutic consequences. I--Inactivation by formation of reversible complexes] Jayyosi Z, et al. **J Toxicol Clin Exp** 1991 Jan–Feb;11(1):9–30 (76 ref.) (Eng. Abstr.) **(Fre)**

[Drug interactions with quinolones. Modification of hepatic monooxygenases as the cause] Schulz-Schalge T, et al. **Med Monatsschr Pharm** 1990 Dec;13(12):372–81 (32 ref.) **(Ger)**

BIOSYNTHESIS

P450BM-3 and other inducible bacterial P450 cytochromes: biochemistry and regulation. Fulco AJ. **Annu Rev Pharmacol Toxicol** 1991;31:177–203 (137 ref.)

Omeprazole and the induction of human cytochrome P-450: a response to concerns about potential adverse effects [letter] Parkinson A, et al. **Gastroenterology** 1991 Apr; 100(4):1157–64 (116 ref.)

Species variation in the response of the cytochrome P-450-dependent monooxygenase system to inducers and inhibitors. Boobis AR, et al. **Xenobiotica** 1990 Nov; 20(11):1139–61 (100 ref.)

[Synthesis of P450 with genetic engineering and its application to drug, toxic substance, and lipid metabolism] Aoyama T. **Tanpakushitsu Kakusan Koso** 1991 Jul; 36(9):1633–43 (63 ref.) **(Jpn)**

[Evaluation of the inducing and autoinducing properties of pyrene, fluoranthene and benz(a)anthracene] Brandys J, et al. **Folia Med Cracov** 1990;31(3):157–63 (18 ref.) (Eng. Abstr.) **(Pol)**

[Benzodiazepines as cytochrome P-450 and cytochrome b5 inductors in rat liver microsomes] Pachecka J, et al. **Folia Med Cracov** 1990;31(3):209–15 (13 ref.) (Eng. Abstr.) **(Pol)**

[Evaluation of the inducing action of aroclor 1254 in rats in long-term experiment] Piekoszewski W, et al. **Folia Med Cracov** 1990;31(3):201–7 (21 ref.) (Eng. Abstr.) **(Pol)**

[Specificity of cytochrome P-450 forms in the rat liver after inhalation of multicomponent hydrocarbon mixture]

Szutowski MM, et al. **Folia Med Cracov** 1990;31(3):165–74 (16 ref.) (Eng. Abstr.) **(Pol)**

[Induction of cytochrome P-450 monooxygenase after combined exposure of rats to xylene and ethanol] Wiśniewska-Knypl JM, et al. **Folia Med Cracov** 1990; 31(3):185–92 (12 ref.) (Eng. Abstr.) **(Pol)**

CHEMISTRY

Reactions and significance of cytochrome P-450 enzymes. Guengerich FP. **J Biol Chem** 1991 Jun 5;266(16):10019–22 (84 ref.)

DEFICIENCY

17 alpha-hydroxylase/17,20-lyase deficiency: from clinical investigation to molecular definition. Yanase T, et al. **Endocr Rev** 1991 Feb;12(1):91–108 (189 ref.)

Parkinson's disease and cytochrome P450: a possible link? Shahi GS, et al. **Med Hypotheses** 1990 Aug;32(4):277–82 (43 ref.)

GENETICS

The heterologous expression of the cytochromes P450: a new approach for the study of enzyme activities and regulation. Estabrook RW, et al. **Adv Enzyme Regul** 1991;31:365–83 (31 ref.)

Genetic and molecular analysis of the Ah receptor and of Cyp1a1 gene expression. Hankinson O, et al. **Biochimie** 1991 Jan;73(1):61–6 (37 ref.)

Hereditary polymorphisms of human drug metabolizing enzymes and cancer susceptibility. Gonzalez FJ. **Birth Defects** 1990;26(1):17–42 (96 ref.)

Polymorphism of human CYP2D genes involved in drug metabolism: possible relationship to individual cancer risk. Nebert DW. **Cancer Cells** 1991 Mar;3(3):93–6 (27 ref.)

The P450 superfamily: update on new sequences, gene mapping, and recommended nomenclature [published erratum appears in DNA Cell Biol 1991 Jun;10(5):397–8] Nebert DW, et al. **DNA Cell Biol** 1991 Jan–Feb;10(1):1–14 (110 ref.)

Regulation of the expression of the sex-specific isoforms of cytochrome P-450 in rat liver. Kobliakov V, et al. **Eur J Biochem** 1991 Feb 14;195(3):585–91 (88 ref.)

Role of genetics and drug metabolism in human cancer risk. Nebert DW. **Mutat Res** 1991 Apr;247(2):267–81 (62 ref.)

[The significance of cytochrome P450 gene superfamily for the clinical pharmacokinetics of drugs] Brøsen K. **Ugeskr Laeger** 1991 Feb 4;153(6):417–22 (27 ref.) (Eng. Abstr.) **(Dan)**

[Gene heterogeneity in adrenal 21-hydroxylase] Morel Y. **Presse Med** 1991 May 25;20(20):945–9 (11 ref.) (Eng. Abstr.) **(Fre)**

[Use of monoclonal antibodies for studying cytochrome P-450 forms. Use of interspecies homology of amino acid sequence] Brauze D, et al. **Folia Med Cracov** 1990; 31(3):121–30 (30 ref.) (Eng. Abstr.) **(Pol)**

[Drug metabolism is dynamic. It is as adaptable as the immune system] Ingelman-Sundberg M, et al. **Lakartidningen** 1991 Jul 10;88(28–29):2454–7 (16 ref.) (Eng. Abstr.) **(Swe)**

IMMUNOLOGY

[Effect of monoclonal antibody against methylcholanthrene-induced cytochrome P-450 forms on benzo(a)pyrene metabolism in hepatic microsomes of C57BL/10 mice] Brauze D, et al. **Folia Med Cracov** 1990; 31(3):139–46 (11 ref.) (Eng. Abstr.) **(Pol)**

METABOLISM

Cytochrome P-450 oxidations and the generation of biologically reactive intermediates. Guengerich FP, et al. **Adv Exp Med Biol** 1991;283:1–11 (56 ref.)

The cytochrome P450 metabolic pathway of arachidonic acid in the cornea. Schwartzman ML, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21A:185–92 (23 ref.)

Dietary regulation of cytochrome P450. Anderson KE, et al. **Annu Rev Nutr** 1991;11:141–67 (174 ref.)

Cytochrome P-450 metabolism of arachidonic acid. McGiff JC. **Annu Rev Pharmacol Toxicol** 1991;31:339–69 (117 ref.)

Role of cytochrome P-450 monooxygenases in the activation of chemical carcinogens. Gil L, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):135–43 (36 ref.)

Activation of carcinogens by human liver cytochromes P-450. Guengerich FP, et al. **Basic Life Sci** 1990;53:381–96 (63 ref.)

Chiral drug metabolism: a perspective. Kaye B. **Biochem Soc Trans** 1991 Apr;19(2):456–9 (15 ref.)

Drug metabolizing enzymes in the brain and cerebral microvessels. Minn A, et al. **Brain Res Brain Res Rev** 1991 Jan–Apr;16(1):65–82 (182 ref.)

The 1990 Pharmaceutical Manufacturers Association of Canada keynote lecture. The role of the cytochromes P450 in the detoxication and activation of drugs and other chemicals. Parke DV, et al. **Can J Physiol Pharmacol** 1991 May;69(5):537–49 (101 ref.)

The 1988 Bernard B. Brodie Award lecture. Functional diversity of hepatic cytochromes P-450. Levin W. **Drug Metab Dispos** 1990 Nov–Dec;18(6):824–30 (60 ref.)

Cytochrome P-450 monooxygenase systems in aquatic species: carcinogen metabolism and biomarkers for carcinogen and pollutant exposure. Stegeman JJ, et al. **Environ Health Perspect** 1991 Jan;90:101–9 (74 ref.)

Enzyme mechanisms in the metabolism of nitrosamines. Yang CS, et al. **IARC Sci Publ** 1991;(105):265–74 (47 ref.)

The role of cytochromes P-450 in cyclosporine metabolism. Watkins PB. **J Am Acad Dermatol** 1990 Dec;23(6 Pt 2):1301–9; discussion 1309–11 (64 ref.)

Cytochrome P-450. Multiplicity of isoforms, substrates, and catalytic and regulatory mechanisms. Porter TD, et al. **J Biol Chem** 1991 Jul 25;266(21):13469–72 (73 ref.)

DNA-expressed human cytochrome P450s: a new age of molecular toxicology and human risk assessment. Gonzalez FJ, et al. **Mutat Res** 1991 Mar;247(1):113–27 (93 ref.)

Novel arachidonate metabolites generated by cytochrome P450-dependent mono-oxygenases. Carroll MA, et al. **Pharmacol Res** 1991 May;23(4):309–18 (27 ref.)

Prediction of xenobiotic metabolism by non-invasive methods. Loft S, et al. **Pharmacol Toxicol** 1990 Aug; 67(2):101–8 (104 ref.)

Cytochrome P-450 metabolites of arachidonic acid: implications for blood pressure regulation. Carroll MA, et al. **Pol J Pharmacol Pharm** 1990 May–Jun;42(3):191–201 (21 ref.)

Functional effects of cytochrome P450 arachidonate metabolites in the kidney. Hirt DL, et al. **Semin Nephrol** 1991 Mar;11(2):148–55 (51 ref.)

[Systemic localization of mixed function oxidases] Kamiński M. **Folia Med Cracov** 1990;31(3):97–120 (83 ref.) (Eng. Abstr.) **(Pol)**

[Spectral interactions of cytochrome P-450 with n-heptane and methanol] Szutowski MM, et al. **Folia Med Cracov** 1990;31(3):175–84 (16 ref.) (Eng. Abstr.) **(Pol)**

[Imprinting of cytochrome P-450 and regulation of expression of its sex isoforms in the rat liver] Kobliakov VA, et al. **Vopr Onkol** 1990;36(12):1418–28 (69 ref.) **(Rus)**

PHYSIOLOGY

Microbial cytochromes P-450 and xenobiotic metabolism. Sariaslani FS. **Adv Appl Microbiol** 1991;36:133–78 (128 ref.)

Cytochrome P450-dependent arachidonate metabolites, renal function and blood pressure regulation. McGiff JC, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:675–82 (23 ref.)

Cytochrome P-450 monooxygenases and interactions of psychotropic drugs. Shen WW, et al. **Int J Psychiatry Med** 1991;21(1):47–56 (52 ref.)

Substrate specificities and functions of the P450 cytochromes. Juchau MR. **Life Sci** 1990;47(26):2385–94 (81 ref.)

Physiologic role of heme and cytochrome P-450 in hematopoietic cells. Lutton JD, et al. **Proc Soc Exp Biol Med** 1991 Mar;196(3):260–9 (93 ref.)

Role of cytochromes P450 in drug metabolism and hepatotoxicity. Watkins PB. **Semin Liver Dis** 1990 Nov; 10(4):235–50 (176 ref.)

Oxidative injury mediated by the hepatic cytochrome P-450 system in conjunction with cellular iron. Effects on the pathway of haem biosynthesis. Smith AG, et al. **Xenobiotica** 1990 Sep;20(9):865–77 (60 ref.)

[Age related changes in the liver. Consequences for drug therapy] Zeeh J, et al. **Fortschr Med** 1990 Nov 30; 108(34):651–3 (16 ref.) (Eng. Abstr.) **(Ger)**

[Cytochrome P-450 in human fetal liver. Properties of P-450 HFLa,a form of cytochrome P-450 in human fetal livers] Kitada M. **Yakugaku Zasshi** 1991 Mar;111(3):158–69 (38 ref.) (Eng. Abstr.) **(Jpn)**

CYTOCHROME P-450(11 BETA) see **STEROID 11-HYDROXYLASE**

CYTOCHROME P-450(17 ALPHA) see **STEROID 17-HYDROXYLASE**

CYTOCHROME P-450(AROM) see **AROMATASE**

CYTOCHROME P-450(C-21) see **STEROID 21-HYDROXYLASE**

CYTOCHROMES

ANALYSIS

The distribution of soluble metallo-redox proteins in purple phototrophic bacteria. Bartsch RG. **Biochim Biophys Acta** 1991 May 23;1058(1):28–30 (28 ref.)

BIOSYNTHESIS

Mutagenicity, carcinogenicity and toxicity of beta-naphthoflavone, a potent inducer of P448. McKillop D, et al. **Biochem Pharmacol** 1991 Jan 1;41(1):1–7 (73 ref.)

METABOLISM

Regulation of aerobic and anaerobic metabolism in facultative anaerobes: a role for cytochrome a1. Keevil CW. **Microbiol Sci** 1984 Oct;1(7):175–8 (30 ref.)

[Bioactivation of xenobiotics by cytochrome P-448 and its role in the process of carcinogenesis] Lutz W, et al. **Postepy Hig Med Dosw** 1989;43(5–6):511–39 (76 ref.) (Eng. Abstr.) **(Pol)**

CYTODIAGNOSIS

Special report. Immunocytochemistry in diagnostic cytology: a 12-year perspective. Nadji M, et al. **Am J Clin Pathol** 1990 Oct;94(4):470–5 (34 ref.)

Effusion cytology. Ehya H. **Clin Lab Med** 1991 Jun; 11(2):443–67 (72 ref.)

Gastrointestinal cytology. Geisinger KR, et al. **Clin Lab Med** 1991 Jun;11(2):403–41 (122 ref.)

Aspiration cytology of breast. Hajdu SI, et al. **Clin Lab Med** 1991 Jun;11(2):357–68 (26 ref.)

Cytologic diagnosis of leukemia and lymphoma. Values and limitations. Katz RL. **Clin Lab Med** 1991 Jun;11(2):469–99 (47 ref.)

Gynecologic cytology. Practical considerations and limitations. Ramzy I, et al. **Clin Lab Med** 1991 Jun; 11(2):271–92 (52 ref.)

Cytology of head and neck tumors, liver, and pancreas. Suen KC. **Clin Lab Med** 1991 Jun;11(2):317–56 (104 ref.)

Genitourinary cytology. Yazdi HM. **Clin Lab Med** 1991 Jun; 11(2):369–401 (68 ref.)

Pulmonary cytology. Zaman MB. **Clin Lab Med** 1991 Jun; 11(2):293–315 (14 ref.)

Survey of aspiration biopsy cytology of the breast. Kline TS. **Diagn Cytopathol** 1991;7(1):98–105 (54 ref.)

Recurrent multifocal adult rhabdomyoma diagnosed by fine-needle aspiration cytology: report of a case and review of the literature. Walker WP, et al. **Diagn Cytopathol** 1990; 6(5):354–8 (20 ref.)

Cytopathology in pediatrics. Buchino JJ. **Monogr Clin Cytol** 1991;13:1–155 (198 ref.)

METHODS

[Quantitative methods in diagnostic pathology] Baak JP, et al. **Verh Dtsch Ges Pathol** 1990;74:165–8 (14 ref.) (Eng. Abstr.) **(Ger)**

[DNA cytometry and automation in clinical diagnostics] Böcking A. **Verh Dtsch Ges Pathol** 1990;74:176–85 (32 ref.) (Eng. Abstr.) **(Ger)**

[Cytological diagnosis of the breast. Aspiration technics] Croce P, et al. **Minerva Ginecol** 1991 Jan–Feb; 43(1–2):47–51 (43 ref.) (Eng. Abstr.) **(Ita)**

CYTOFLUOROMETRY, FLOW see **FLOW CYTOMETRY**

CYTOGENETICS

see related
CHROMOSOME ABNORMALITIES
CHROMOSOME MAPPING

Flow cytogenetics and chromosome sorting. Cram LS. **Hum Cell** 1990 Jun;3(2):99–106 (21 ref.)

Mammalian cytogenetics and conservation of species. Benirschke K, et al. **J Hered** 1991 May–Jun;82(3):187–91 (28 ref.)

[Cytogenetics: from microscope to human genome mapping] Bernheim A. **Bull Cancer (Paris)** 1991 Jan;78(1):41–7 (28 ref.) **(Fre)**

[Analysis of the human genome in pediatric hemato-oncology] Ballesta Martínez F. **An Esp Pediatr** 1990 Nov;33 Suppl 42:106–22 (60 ref.) **(Spa)**

METHODS

Cytogenetic methods for the mouse: preparation of chromosomes, karyotyping, and in situ hybridization. Lee JJ, et al. **Anal Biochem** 1990 Aug 15;189(1):1–17 (50 ref.)

[DNA cytometry and automation in clinical diagnostics] Böcking A. **Verh Dtsch Ges Pathol** 1990;74:176–85 (32 ref.) (Eng. Abstr.) **(Ger)**

CYTOKERATIN see **KERATIN**

CYTOKINES

The molecular biology of large animal cytokines. Maliszewski C, et al. **Adv Vet Sci Comp Med** 1990;35:181–213 (103 ref.)

ADVERSE EFFECTS

Steroids and biologic agents in the intensive care unit. Allen RP, et al. **Crit Care Clin** 1991 Jul;7(3):695–711 (95 ref.)

ANALYSIS

Assays for lymphokines, cytokines and their receptors. Beckmann MP, et al. **Curr Opin Immunol** 1991 Apr; 3(2):247–51 (24 ref.)

Assays for mediators affecting cellular immune functions. Dotsika EN. **Curr Opin Immunol** 1989–90;2(6):932–5 (11 ref.)

Cytokine measurements in body fluids. Whicher J, et al. **Eur Cytokine Netw** 1990 Oct–Nov;1(4):239–43 (19 ref.)

Cytokine assays: role in evaluation of the pathogenesis of autoimmunity. Feldmann M, et al. **Immunol Rev** 1991 Feb; 119:105–23 (43 ref.)

ANTAGONISTS & INHIBITORS

The biological role of naturally-occurring cytokine inhibitors. Arend WP, et al. **Br J Rheumatol** 1991;30 Suppl 2:49–52 (15 ref.)

BIOSYNTHESIS

Hemodialysis-associated induction of cytokines. Lonnemann G, et al. **Blood Purif** 1990;8(4):214–22 (32 ref.)

Macrophage products in inflammation. Keshav S, et al. **Diagn Microbiol Infect Dis** 1990 Sep–Oct;13(5):439–47 (62 ref.)

Immunological aspects of new quinolones. Shalit I. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):262–6 (27 ref.)

Detection of cytokine mRNA in polyclonally-, antigen- or allergen-stimulated mononuclear cells. Gauchat JF, et al. **Immunol Rev** 1991 Feb;119:147–61 (48 ref.)

Assessment of cytokines by immunofluorescence and the paraformaldehyde-saponin procedure. Sander B, et al. **Immunol Rev** 1991 Feb;119:65–93 (72 ref.)

Mast cells as a source of multifunctional cytokines. Gordon JR, et al. **Immunol Today** 1990 Dec;11(12):458–64 (82 ref.)

Dietary modulation of cytokine production and biologic functions. Meydani SN. **Nutr Rev** 1990 Oct;48(10):361–9 (53 ref.)

Rheumatoid arthritis and inflammatory mediators. Robinson DR, et al. **World Rev Nutr Diet** 1991;66:44–7 (4 ref.)

GENETICS

Detecting cytokine production at the single-cell level. Lewis CE. **Cytokine** 1991 May;3(3):184–8 (37 ref.)

Biology of the RANTES/SIS cytokine family. Schall TJ. **Cytokine** 1991 May;3(3):165–83 (93 ref.)

Cytokine gene expression: analysis using northern blotting, polymerase chain reaction and in situ hybridization. Dallman MJ, et al. **Immunol Rev** 1991 Feb;119:163–79 (45 ref.)

From cell code to gene code: cytokines and transcription factors. Muegge K, et al. **New Biol** 1989 Dec;1(3):239–46 (63 ref.)

IMMUNOLOGY

Interleukin 1 and other human keratinocyte cytokines: molecular and functional characterization. Kupper TS. **Adv Dermatol** 1988;3:293–307 (50 ref.)

Immune hormones (cytokines); pathogenic role in autoimmune rheumatic and endocrine diseases. Bendtzen K. **Autoimmunity** 1989;2(2):177–89 (40 ref.)

Cytokines in the pathophysiology of systemic lupus erythematosus. Goldman M. **Autoimmunity** 1990;8(2):173–9 (94 ref.)

Cytokines as immune effector molecules in autoimmune endocrine diseases with special reference to insulin-dependent diabetes mellitus. Mandrup-Poulsen T, et al. **Autoimmunity** 1989;4(3):191–218; discussion 219–34 (183 ref.)

Mechanisms and modulation of macrophage activation. Nathan C. **Behring Inst Mitt** 1991 Feb;(88):200–7 (54 ref.)

Cytokine synergy with viral cytopathic effects and bacterial products during the pathogenesis of respiratory tract infection. Bielefeldt Ohmann H, et al. **Clin Immunol Immunopathol** 1991 Aug;60(2):153–70 (149 ref.)

Small cytokine superfamily. Sherry B, et al. **Curr Opin Immunol** 1991 Feb;3(1):56–60 (31 ref.)

Psoriasis. Leukocytes and cytokines. Cooper KD. **Dermatol Clin** 1990 Oct;8(4):737–45 (101 ref.)

Keratinocyte cytokines and growth factors. Functions in skin immunity and homeostasis. McKenzie RC, et al. **Dermatol Clin** 1990 Oct;8(4):649–61 (117 ref.)

Effector functions of platelets in parasitic diseases and their regulation by cytokines. Auriault C, et al. **Diagn Microbiol Infect Dis** 1990 Sep–Oct;13(5):423–7 (21 ref.)

Gamma interferon, cytokine-induced macrophage activation, and antimicrobial host defense. In vitro, in animal models, and in humans. Murray HW. **Diagn Microbiol Infect Dis** 1990 Sep–Oct;13(5):411–21 (67 ref.)

Primitive cytokines: harbingers of vertebrate defense. Beck G, et al. **Immunol Today** 1991 Jun;12(6):180–3 (25 ref.)

Cytokines in T-cell development. Carding SR, et al. **Immunol Today** 1991 Jul;12(7):239–45 (97 ref.)

Inflammatory mediators and the destruction of bone. Mundy GR. **J Periodont Res** 1991 May;26(3 (Pt 2)):213–7 (30 ref.)

The role of inflammatory mediators in the pathogenesis of periodontal disease. Page RC. **J Periodont Res** 1991 May; 26(3 (Pt 2)):230–42 (97 ref.)

Immunologic mechanisms of pathogenesis in periodontal diseases: an assessment. Ranney RR. **J Periodont Res** 1991 May;26(3 (Pt 2)):243–54 (176 ref.)

Neutrophil disorders in burn injury: complement, cytokines, and organ injury. Solomkin JS. **J Trauma** 1990 Dec;30(12 Suppl):S80–5 (95 ref.)

ISOLATION & PURIFICATION

Interleukin 8 and MCAF: novel inflammatory cytokines inducible by IL 1 and TNF. Matsushima K, et al. **Cytokine** 1989 Nov;1(1):2–13 (50 ref.)

METABOLISM

HIV-infection and in vivo lipopolysaccharide-induced release of cytokines. An amplified mechanism of damage to the host. Jirillo E, et al. **Acta Neurol (Napoli)** 1991 Apr; 13(2):188–96 (34 ref.)

Animal models for the biological effects of continuous high cytokine levels. Lübbert M, et al. **Blut** 1990 Nov; 61(5):253–7 (27 ref.)

Epidermal cytokines and their roles in cutaneous wound healing. McKay IA, et al. **Br J Dermatol** 1991 Jun; 124(6):513–8 (46 ref.)

Hepatic phase of malaria: a crucial role as "go-between" with other stages. Mazier D, et al. **Bull World Health Organ** 1990;68 Suppl:126–31 (36 ref.)

Cytokines and their receptors. Benton HP. **Curr Opin Cell Biol** 1991 Apr;3(2):171–5 (47 ref.)

Connective tissue metabolism including cytokines. Amento EP. **Curr Opin Rheumatol** 1989 Dec;1(4):485–9 (9 ref.)

Connective tissue metabolism including cytokines. Unemori EN, et al. **Curr Opin Rheumatol** 1990 Dec;2(6):932–6 (6 ref.)

Soluble cytokine receptors: their role in immunoregulation. Fernandez-Botran R. **FASEB J** 1991 Aug;5(11):2567–74 (61 ref.)

Haemopoietic receptors and helical cytokines. Bazan JF. **Immunol Today** 1990 Oct;11(10):350–4 (72 ref.)

Human cytokine receptors. Dower SK, et al. **J Clin Immunol** 1990 Nov;10(6):289–99 (32 ref.)

The route of feeding influences injury responses. Lowry SF. **J Trauma** 1990 Dec;30(12 Suppl):S10–5 (35 ref.)

Cytokines and infection-induced preterm labour. Casey ML, et al. **Reprod Fertil Dev** 1990;2(5):499–509 (29 ref.)

PHARMACOLOGY

Induction of immunopotentiation activity by a protein-bound polysaccharide, PSK (review). Sakagami H, et al. **Anticancer Res** 1991 Mar–Apr;11(2):993–9 (40 ref.)

The metabolic effects of tumor necrosis factor and other cytokines. Grunfeld C, et al. **Biotherapy** 1991;3(2):143–58 (120 ref.)

Lymphokine-activated killer lymphocytes: evidence for regulation of induction and function by multiple cytokines. Owen-Schaub LB, et al. **Immunol Ser** 1989;48:19–35 (48 ref.)

Molecular biology of cytokine effects on vascular endothelial cells. Suzuki H, et al. **Int Rev Exp Pathol** 1991;32:95–148 (304 ref.)

Cytokines. From the laboratory to the clinic. Coffey RG. **J Fla Med Assoc** 1990 Nov;77(11):995–8 (16 ref.)

Cytokine-induced synthesis of nitrogen oxides in macrophages: a protective host response to Leishmania and other intracellular pathogens. Green SJ, et al. **J Leukoc Biol** 1991 Jul;50(1):93–103 (116 ref.)

Cytokines and the hypothalamic-pituitary-adrenal axis. Hermus AR, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):867–71 (46 ref.)

Mesangial cell turnover: effect of heparin and peptide growth factors. Striker LJ, et al. **Lab Invest** 1991 Apr;64(4):446–56 (129 ref.)

Cytokine-induced human basophil/mast cell growth and differentiation in vitro. Denburg JA. **Springer Semin Immunopathol** 1990;12(4):401–14 (81 ref.)

PHYSIOLOGY

Regulatory peptides in the thyroid gland--a review on their localization and function. Ahrén B. **Acta Endocrinol (Copenh)** 1991 Mar;124(3):225–32 (82 ref.)

Autocrine regulation of normal and malignant B lymphocytes. Gordon J, et al. **Adv Cancer Res** 1991; 56:313–34 (83 ref.)

Cytokines and bronchial hyperreactivity. Alam R. **Agents Actions Suppl** 1990;31:147–62 (51 ref.)

Cellular and molecular mechanisms of cytokine networking. Kunkel S, et al. **Agents Actions Suppl** 1991;32:205–18 (24 ref.)

T cells, IgE antibodies, cytokines and allergic inflammation. Del Prete G, et al. **Allerg Immunol (Paris)** 1991 Jun; 23(6):239–43 (22 ref.)

Cytokines and glucocorticoids in the regulation of the "hepato-skeletal muscle axis" in sepsis. Fischer JE, et al. **Am J Surg** 1991 Feb;161(2):266–71 (30 ref.)

Do cytokines play a role in leukocyte recruitment and activation in the lungs? Schleimer RP, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1169–74; discussion 1175–6 (100 ref.)

Cytokines determining the success or failure of pregnancy. Clark DA, et al. **Ann N Y Acad Sci** 1991;626:524–36 (52 ref.)

Role of a new cytokine, interleukin-10, in the cross-regulation of T helper cells. Mosmann TR. **Ann N Y Acad Sci** 1991;628:337–44 (35 ref.)

Cytokine regulation of human endometrial function. Tabibzadeh S. **Ann N Y Acad Sci** 1991;622:89–98 (42 ref.)

Growth factors and cytokines in bone cell metabolism. Canalis E, et al. **Annu Rev Med** 1991;42:17–24 (24 ref.)

The cytokines are coming. Windebank KP. **Arch Dis Child** 1990 Nov;65(11):1283–5 (19 ref.)

Oxidative injury and the heat shock response. Donati YR, et al. **Biochem Pharmacol** 1990 Dec 15;40(12):2571–7 (58 ref.)

Regulation of cell movement: the motogenic cytokines. Stoker M, et al. **Biochim Biophys Acta** 1991 Apr 16; 1072(1):81–102 (164 ref.)

Modulation by cytokines of leukocyte-endothelial cell interactions. Implications for thrombosis. Beretz A, et al. **Biorheology** 1990;27(3–4):455–60 (23 ref.)

The pathophysiology of the pro-inflammatory cytokines. Dinarello CA. **Biotherapy** 1990;2(3):189–91 (7 ref.)

Review: Stratton Lecture 1990. Clinical implications of positive and negative hematopoietic stem cell regulators. Moore MA. **Blood** 1991 Jul 1;78(1):1–19 (139 ref.)

Cytokines and biocompatibility. Dinarello CA. **Blood Purif** 1990;8(4):208–13 (7 ref.)

The immune response. 2. Systemic mediators of inflammation. Emery P, et al. **Br J Hosp Med** 1991 Mar;45(3):164–8 (39 ref.)

Cytokine expression in rheumatoid arthritis. Brennan FM, et al. **Br J Rheumatol** 1991;30 Suppl 1:76–80 (42 ref.)

The cytokine network in rheumatoid arthritis. Wilder RL, et al. **Br J Rheumatol** 1991;30 Suppl 2:44–7 (10 ref.)

Cytokines and cell motility: an overview. Goldberg I. **Cancer Invest** 1990;8(6):645–6 (14 ref.)

Characterization of migration-stimulating factor (MSF): evidence for its role in cancer pathogenesis. Schor SL, et al. **Cancer Invest** 1990;8(6):665–7 (18 ref.)

Cytokines and human malignant melanoma. Immuno- and growth-regulatory peptides in melanoma biology. Köck A, et al. **Cancer Treat Res** 1991;54:41–66 (172 ref.)

Tumour necrosis factor. de Silva DG. **Ceylon Med J** 1990 Dec;35(4):151–3 (16 ref.)

Role of endotoxin and host cytokines in septic shock. Dunn DL. **Chest** 1991 Sep;100(3 Suppl):164S–168S (50 ref.)

Review: cytokines and malaria. Stevenson MM, et al. **Clin Invest Med** 1990 Dec;13(6):353–9 (71 ref.)

Evasion of host responses in metastasis: implications of cellular resistance to cytokines. Killion JJ, et al. **Curr Opin Immunol** 1989–90;2(5):693–6 (10 ref.)

Lymphokine-activated killer cells, natural killer cells and cytokines. Perussia B. **Curr Opin Immunol** 1991 Feb; 3(1):49–55 (48 ref.)

The cytokine basis for cross-talk between the maternal immune and reproductive systems. Wegmann TG. **Curr Opin Immunol** 1989–90;2(5):765–9 (8 ref.)

Cytokines in oncology. Ozer H. **Curr Opin Oncol** 1989 Dec; 1(2):241–8 (22 ref.)

Cytokine and free radicals as effector molecules in the destruction of pancreatic beta cells. Mandrup-Poulsen T, et al. **Curr Top Microbiol Immunol** 1990;164:169–93 (154 ref.)

Cytokine regulation of protein phosphorylation. Farrar WL, et al. **Cytokine** 1990 Mar;2(2):77–91 (139 ref.)

Cytokines and transcription factors. Muegge K, et al. **Cytokine** 1990 Jan;2(1):1–8 (63 ref.)

Cytokines and septic shock. Calandra T, et al. **Diagn Microbiol Infect Dis** 1990 Sep–Oct;13(5):377–81 (45 ref.)

The potential relevance of cytokines to ovarian physiology: the emerging role of resident ovarian cells of the white blood cell series. Adashi EY. **Endocr Rev** 1990 Aug; 11(3):454–64 (140 ref.)

TH1 and TH2 dependent cytokines in experimental autoimmunity and immune reactions induced by chemicals. Dubey C, et al. **Eur Cytokine Netw** 1991 May–Jun; 2(3):147–52 (41 ref.)

Cytokine networks: do we understand them well enough to facilitate clinical benefits? Feldmann M. **Eur Cytokine Netw** 1991 Jan–Feb;2(1):5–9 (32 ref.)

Implications of cytokines in immunopathology: experimental and clinical data. Grau GE. **Eur Cytokine Netw** 1990 Oct–Nov;1(4):203–10 (45 ref.)

Cytokines and human fibrosis. LeRoy EC, et al. **Eur Cytokine Netw** 1990 Oct–Nov;1(4):215–9 (17 ref.)

Mechanisms of the pyrogenic actions of cytokines. Rothwell NJ. **Eur Cytokine Netw** 1990 Oct–Nov;1(4):211–3 (12 ref.)

Cytokines in the nineties. Smith KA. **Eur Cytokine Netw** 1990 Mar–Apr;1(1):7–13 (40 ref.)

Biologically active products of stimulated liver macrophages (Kupffer cells). Decker K. **Eur J Biochem** 1990 Sep 11; 192(2):245–61 (182 ref.)

Effects of cytokines on the liver. Andus T, et al. **Hepatology** 1991 Feb;13(2):364–75 (233 ref.)

Interactions between inflammatory mediators in expression of antitumor cytostatic activity of macrophages [published erratum appears in Immunol Lett 1990 Dec;26(3):297] Bonta IL, et al. **Immunol Lett** 1990 Sep;25(4):295–301 (35 ref.)

Anti-parasite effects of cytokines in malaria. Mendis KN, et al. **Immunol Lett** 1990 Aug;25(1–3):217–20 (26 ref.)

Inductive effects of immunological cytokines in the skin. Sauder DN. **Immunol Ser** 1989;46:97–108 (23 ref.)

Regulation and biological function of helminth-induced cytokine responses. Finkelman FD, et al. **Immunol Today** 1991 Mar;12(3):A62–6 (50 ref.)

Fibrogenic cytokines: the role of immune mediators in the development of scar tissue. Kovacs EJ. **Immunol Today** 1991 Jan;12(1):17–23 (90 ref.)

Fibroblast growth factor (FGF) and cytokines as feeding suppressants. Oomura Y. **Int J Obes** 1990;14 Suppl 3:105–12; discussion 112–3 (36 ref.)

Cytokine-endothelial interactions in inflammation, immunity, and vascular injury. Cotran RS, et al. **J Am Soc Nephrol** 1990 Sep;1(3):225–35 (102 ref.)

Effects of soluble factors and extracellular matrix components on vascular cell behavior in vitro and in vivo: models of de-endothelialization and repair. Madri JA, et al. **J Cell Biochem** 1991 Feb;45(2):123–30 (29 ref.)

Cytokines in context. Nathan C, et al. **J Cell Biol** 1991 Jun; 113(5):981–6 (84 ref.)

Cytokines in endocrinology: their roles in health and in disease. Kennedy RL, et al. **J Endocrinol** 1991 May; 129(2):167–78 (136 ref.)
The endocrine significance of cytokines. Rothwell NJ. **J Endocrinol** 1991 Feb;128(2):171–3 (28 ref.)
Activation of the oxidative metabolism in human polymorphonuclear neutrophilic granulocytes: the role of immuno–modulating cytokines. Kapp A, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):94S–99S (68 ref.)
Evidence for an epidermal cytokine network. Luger TA, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):100S–104S (54 ref.)
The role of keratinocyte cytokines in inflammation and immunity. McKenzie RC, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):105S–107S (50 ref.)
Abnormal cutaneous topobiology: the molecular basis for dermatopathologic mononuclear cell patterns in inflammatory skin disease. Nickoloff BJ, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):128S–131S (36 ref.)
Cytokine modulation of adhesion molecules in the regulation of immunologic cytotoxicity of epidermal targets. Norris DA. **J Invest Dermatol** 1990 Dec;95(6 Suppl):111S–120S (118 ref.)
The role of epidermal cytokines in inflammatory skin diseases. Sauder DN. **J Invest Dermatol** 1990 Nov; 95(5):27S–28S (15 ref.)
Cytokine binding and clearance properties of proteinase–activated alpha 2–macroglobulins. LaMarre J, et al. **Lab Invest** 1991 Jul;65(1):3–14 (132 ref.)
PAF, cytokines, toxic oxygen products and cell injury. Ward PA, et al. **Mol Aspects Med** 1991;12(2):169–74 (21 ref.)
Peptide regulatory factors and optimization of vaccines. Schrader JW. **Mol Immunol** 1991 Mar;28(3):295–9 (13 ref.)
Regulation of human megakaryocytopoiesis by interacting cytokines. Hoffman R, et al. **Prog Clin Biol Res** 1990; 356:199–215 (60 ref.)
The role of cytokines in macrophage activation. Schultz RM. **Prog Drug Res** 1990;35:109–38 (230 ref.)
A role of immunoinflammatory hormones (cytokines) in insulin dependent diabetes mellitus? Bendtzen K. **Scand J Clin Lab Invest Suppl** 1990;202:163–7 (22 ref.)
The immunology of sepsis and meningitis—cytokine biology. Jacobs RF, et al. **Scand J Infect Dis Suppl** 1990;73:7–15 (52 ref.)
Are cytokines involved in osteoarthritic pathophysiology? Pelletier JP, et al. **Semin Arthritis Rheum** 1991 Jun;20(6 Suppl 2):12–25 (119 ref.)
Histamine–releasing factors and heterogeneity of IgE. MacDonald SM, et al. **Springer Semin Immunopathol** 1990; 12(4):415–28 (70 ref.)
Mediators of different lung cells and their function. Reutgen H, et al. **Z Erkr Atmungsorgane** 1991;176(2–3):104–8 (10 ref.)
[The role of cytokines in allergic inflammation] Hurez D. **Allerg Immunol (Paris)** 1990 Oct;22(8):309–13 (3 ref.) (Eng. Abstr.) **(Fre)**
[Inflammation and rejection] Chatenoud L, et al. **Nephrologie** 1990;11(4):189–93 (7 ref.) (Eng. Abstr.) **(Fre)**
[Interleukin–1 and other proinflammatory cytokines] Miossec P. **Pediatrie** 1991;46(2):135–9 (18 ref.) (Eng. Abstr.) **(Fre)**
[Biology and clinical applications of the principal hematopoietic cytokines (GM–CSF, G–CSF, IL–3, IL–6, IL–1)] Deconinck E, et al. **Rev Fr Transfus Hemobiol** 1990 Jul;33(4):259–90 (123 ref.) **(Fre)**
[Molecular basis of the communication of the nervous, endocrine and immune systems] Brunetti L. **Clin Ter** 1991 Mar 15;136(5):301–20 (254 ref.) (Eng. Abstr.) **(Ita)**
[Cytokine regulation of hemopoietic stem cell proliferation] Nakahata T. **Gan To Kagaku Ryoho** 1991 Jul;18(8):1235–42 (33 ref.) (Eng. Abstr.) **(Jpn)**
[Cytokines and inflammation] Matache C, et al. **Rev Ig [Bacteriol]** 1990 Jan–Mar;35(1):87–94 (8 ref.) **(Rum)**
[Cytokines and their role in the pathogenesis and therapy of infections] Viadro MM. **Antibiot Khimioter** 1990 Sep; 35(9):12–4 (15 ref.) **(Rus)**
[Cytokines and their role as health and disease mediators. New approaches to old problems] García–Lloret MI, et al. **Bol Med Hosp Infant Mex** 1990 Dec;47(12):797–808 (97 ref.) (Eng. Abstr.) **(Spa)**
[The participation of platelet–activating factor and cytokines in the pathogenesis of glomerular damage] Egido J, et al. **Rev Clin Esp** 1990 Jul–Aug;187(3):137–43 (69 ref.) **(Spa)**

SECRETION

Relationship of inflammatory cell cytokines to disease severity in individuals with occupational inorganic dust exposure. Rom WN. **Am J Ind Med** 1991;19(1):15–27 (50 ref.)
Functional diversity of T lymphocytes due to secretion of different cytokine patterns. Street NE, et al. **FASEB J** 1991 Feb;5(2):171–7 (55 ref.)
Detection of human cytokine–secreting cells in distinct anatomical compartments. Czerkinsky C, et al. **Immunol Rev** 1991 Feb;119:5–22 (28 ref.)
Cytokine release by single, immunophenotyped human cells: use of the reverse hemolytic plaque assay. Lewis CE, et al. **Immunol Rev** 1991 Feb;119:23–39 (50 ref.)
Keratinocytes as initiators of inflammation [see comments] Barker JN, et al. **Lancet** 1991 Jan 26;337(8735):211–4 (36 ref.) Comment in: Lancet 1991 Jun 8;337(8754):1420.
Cytokine secretion phenotypes of TH cells: how many subsets, how much regulation? Mosmann TR. **Res Immunol** 1991 Jan;142(1):9–13 (32 ref.)

THERAPEUTIC USE

Biotechnology: its impact on medicine and oncology. Borden EC. **Ann Acad Med Singapore** 1991 Mar;20(2):255–9 (17 ref.)
Experimental design for the evaluation of the antitumor action of cytokines. Ciolli V, et al. **Ann Ist Super Sanita** 1990;26(3–4):441–51 (60 ref.)
Perilymphatic injections of cytokines: a new tool in active cancer immunotherapy. Experimental rationale and clinical findings. Forni G, et al. **Ann Ist Super Sanita** 1990; 26(3–4):397–409 (34 ref.)
The future of cytokine combination therapy. Moore MA. **Cancer** 1991 May 15;67(10 Suppl):2718–26 (57 ref.)
Lymphokines and cytokines. Wagstaff J. **Cancer Chemother Biol Response Modif** 1990;11:204–34 (200 ref.)
Problems and prospects of new immunotherapeutic approaches. Fridman WH, et al. **Cancer Detect Prev** 1990; 14(6):657–60 (15 ref.)
The Crookshank lecture: biological response modifiers in the treatment of cancer. Guillou PJ. **Clin Oncol (R Coll Radiol)** 1990 Nov;2(6):347–53 (41 ref.)
Cytokines: a new immunotherapy. Cairo MS. **Clin Perinatol** 1991 Jun;18(2):343–59 (94 ref.)
The role of cytokines in oncology. Lange W, et al. **Int J Cell Cloning** 1991 Jul;9(4):252–73 (184 ref.)
Therapeutic use of cytokines in dermatology. Luger TA, et al. **J Am Acad Dermatol** 1991 Jun;24(6 Pt 1):915–26 (157 ref.)
Cytokines: applications in domestic food animals. Blecha F. **J Dairy Sci** 1991 Jan;74(1):328–39 (98 ref.)
Cytokines and T lymphocytes in pediatrics. Parkman R. **J Pediatr** 1991 Mar;118(3):S21–3 (7 ref.)
Development of myelorestorative and immunotherapeutic properties of cytokines. Talmadge JE, et al. **Prog Clin Biol Res** 1990;354A:271–85 (34 ref.)
Cytokines and hematopoietins: physiology, pathophysiology, and potential as therapeutic agents. Mertelsmann R, et al. **Recent Results Cancer Res** 1991;121:121–40 (134 ref.)
Rationale for immunotherapy of renal cell carcinoma. Heicappell R, et al. **Urol Res** 1990;18(6):357–72 (233 ref.)
[Immunomodulating agents in dermatology] Nicolas JF, et al. **Ann Dermatol Venereol** 1991;118(5):421–6 (26 ref.) **(Fre)**
[Cytokines: present and future therapeutic applications] De Benedetti F, et al. **G Ital Chemioter** 1989 Jan–Dec; 36(1–3):17–27 (72 ref.) (Eng. Abstr.) **(Ita)**

CYTOKINESIS see **CELL DIVISION**

CYTOKINETICS see **CELL CYCLE**

CYTOLOGICAL TECHNIQUES

see related
CYTODIAGNOSIS

Lineage analysis with a recombinant retrovirus: application to chick spinal motor neurons. Leber SM, et al. **Adv Neurol** 1991;56:27–36 (41 ref.)
Measuring cell proliferation. Woosley JT. **Arch Pathol Lab Med** 1991 Jun;115(6):555–7 (35 ref.)
The relative merits of direct morphometry of reconstructions of whole cells, and statistical morphometry by stereology of random sections of cells. Parsons DF, et al. **Cell Biophys** 1990 Dec;17(3):227–42 (35 ref.)
Designer microenvironments for the analysis of cell and tissue function. Stoker AW, et al. **Curr Opin Cell Biol** 1990 Oct; 2(5):864–74 (29 ref.)
Contribution of in vitro culture methods for respiratory epithelial cells to the study of the physiology of the respiratory tract. Jorissen M, et al. **Eur Respir J** 1991 Feb; 4(2):210–7 (94 ref.)
[The value of aspiration cytology of the breast] Schöndorf H. **Gynakologe** 1990 Dec;23(6):349–57 (38 ref.) **(Ger)**
[New methods for the morphometric analysis of anisotropic tissues] Mattfeldt T, et al. **Verh Dtsch Ges Pathol** 1990; 74:220–4 (16 ref.) (Eng. Abstr.) **(Ger)**

CYTOLOGY

see related
CELLS

CLASSIFICATION

The Bethesda system for the reporting of cervical/vaginal cytology. Oren A, et al. **J Am Osteopath Assoc** 1991 May; 91(5):476–9 (7 ref.)

HISTORY

[Turning points in cytology] Scharf JH. **Acta Histochem Suppl** 1990;39:11–47 (114 ref.) (Eng. Abstr.) **(Ger)**
[The cell theory—history, present state and prospects (on the 150th anniversary of the development of the cell theory)] Polianskiĭ IuI. **Arkh Anat Gistol Embriol** 1990 Jul; 99(7):5–20 (85 ref.) (Eng. Abstr.) **(Rus)**

CYTOLYSINS see **CYTOTOXINS**

CYTOMEGALIC INCLUSION DISEASE

Comparative experimental viral labyrinthitis. Davis LE. **Am J Otolaryngol** 1990 Nov–Dec;11(6):382–8 (47 ref.)
Herpesvirus and enteric viral infections in bone marrow transplantation: clinical presentations, pathogenesis, and therapeutic strategies. Holland HK, et al. **Cancer Invest** 1990;8(5):509–21 (104 ref.)
Cytomegalovirus infection in pregnancy. Case reports and literature review. Urang S. **J Nurse Midwifery** 1990 Sep–Oct;35(5):299–306 (27 ref.)
Cytomegalovirus: where have we been and where are we going? Merigan TC, et al. **Rev Infect Dis** 1990 Sep–Oct; 12 Suppl 7:S693–700 (90 ref.)
[Fetal and neonatal infection caused by cytomegalovirus] Quero Jiménez J, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 43:103–8 (27 ref.) **(Spa)**

COMPLICATIONS

Interrelationships between human immunodeficiency virus and cytomegalovirus. Campbell AE. **Arch Immunol Ther Exp (Warsz)** 1990;38(1–2):165–70 (34 ref.)
Intestinal perforation due to cytomegalovirus infection in patients with AIDS. Kram HB, et al. **Dis Colon Rectum** 1990 Dec;33(12):1037–40 (16 ref.)
Cytomegalovirus colitis and wasting. Kotler DP. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S36–41 (5 ref.)
Cytomegalovirus as a possible cofactor in HIV disease progression. Webster A. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S47–52 (23 ref.)
Multi–step pathogenesis of AIDS—role of cytomegalovirus. Fiala M, et al. **Res Immunol** 1991 Feb;142(2):87–95 (74 ref.)
Cytomegalovirus in the setting of infection with human immunodeficiency virus [see comments] Schooley RT. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S811–9 (87 ref.) Comment in: Rev Infect Dis 1991 Mar–Apr;13(2):338.
Cytomegalovirus–induced osteomyelitis in a patient with the acquired immunodeficiency syndrome. Berman S, et al. **South Med J** 1990 Oct;83(10):1231–2 (11 ref.)
Guinea pig model of congenital CMV–induced hearing loss: a review. Woolf NK. **Transplant Proc** 1991 Jun;23(3 Suppl 3):32–4, discussion 34 (16 ref.)
[The ever present cytomegalovirus] Pohle HD. **Verh Dtsch Ges Inn Med** 1990;96:521–4 (18 ref.) **(Ger)**
[Alithiasic cholecystitis and sclerosing cholangitis caused by Cryptosporidium and cytomegalovirus in a patient with HIV infection] Muñoz J, et al. **Enferm Infecc Microbiol Clin** 1989 Dec;7(10):547–50 (18 ref.) (Eng. Abstr.) **(Spa)**

CONGENITAL

Congenital and perinatal cytomegalovirus infections. Alford CA, et al. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S745–53 (71 ref.)
[Congenital cytomegalovirus infection] de Bel CE, et al. **Tijdschr Kindergeneeskd** 1990 Dec;58(6):211–7 (36 ref.) (Eng. Abstr.) **(Dut)**

DIAGNOSIS

Cytomegalovirus testing: antibody determinations and virus cultures with recommendations for use. Schultz DA, et al. **J Clin Lab Anal** 1991;5(1):69–73 (31 ref.)
The immune response to cytomegalovirus infection and serological methods used in its diagnosis. Galea G. **Med Lab Sci** 1990 Oct;47(4):297–303 (62 ref.)
Newer methods for diagnosis of cytomegalovirus infection. Chou S. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S727–36 (78 ref.)
Cytomegalovirus antigenemia. The TH, et al. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S734–44 (32 ref.)

DRUG THERAPY

Ganciclovir therapy for opportunistic cytomegalovirus disease in AIDS. Jacobson MA. **AIDS Clin Rev** 1990; :149–63 (37 ref.)
Prevention and treatment of cytomegalovirus infection. Meyers JD. **Annu Rev Med** 1991;42:179–87 (29 ref.)
Foscarnet. A review of its antiviral activity, pharmacokinetic properties and therapeutic use in immunocompromised patients with cytomegalovirus retinitis. Chrisp P, et al. **Drugs** 1991 Jan;41(1):104–29 (104 ref.)
Concomitant ganciclovir and zidovudine treatment for cytomegalovirus retinitis in patients with HIV infection: an approach to treatment. Causey D. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S16–21 (37 ref.)
Overview of cytomegalovirus infections in HIV–infected patients: current therapies and future strategies. Crumpacker CS, et al. **J Acquir Immune Defic Syndr** 1991; 4 Suppl 1:S1–5 (13 ref.)
Future directions in the management of cytomegalovirus infections. DeArmond B. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S53–6 (10 ref.)
Clinical use of ganciclovir for cytomegalovirus infection and the development of drug resistance. Drew WL. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S42–6 (24 ref.)

Diagnosis and treatment of cytomegalovirus retinitis. Henderly DE, et al. **J Acquir Immune Defic Syndr** 1991; 4 Suppl 1:S6–10 (18 ref.)
Approaches to the treatment of cytomegalovirus retinitis: ganciclovir and foscarnet. Jacobson MA, et al. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S11–5 (26 ref.)
Management of cytomegalovirus disease with antiviral drugs. Balfour HH Jr. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S849–60 (81 ref.)
Cyclobutyl compounds as antiviral agents. Clement JJ, et al. **Transplant Proc** 1991 Jun;23(3 Suppl 3):159–61 (7 ref.)
Clinical trials of ganciclovir. DeArmond B. **Transplant Proc** 1991 Jun;23(3 Suppl 3):171–3 (7 ref.)
Value of animal models to evaluate agents with potential activity against human cytomegalovirus. Kern ER. **Transplant Proc** 1991 Jun;23(3 Suppl 3):152–5, discussion 155 (4 ref.)
Treatment of cytomegalovirus infection in the AIDS patient. Merigan TC. **Transplant Proc** 1991 Jun;23(3 Suppl 3):122–5 (32 ref.)

EPIDEMIOLOGY

Changes in the epidemiology of cytomegalovirus. Stagno S, et al. **Adv Exp Med Biol** 1990;278:93–104 (46 ref.)
Epidemiology of cytomegalovirus infections. Ho M. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S701–10 (67 ref.)
[Post-transfusional cytomegalovirus infections: incidence and methods of prevention. CMV group of SNTS] Andreu G, et al. **Rev Fr Transfus Hemobiol** 1991 May;34(3):213–32 (82 ref.) **(Fre)**

ETIOLOGY

Cytomegalovirus disease of the gastrointestinal tract in AIDS. Connolly GM. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):405–23 (40 ref.)
Cytomegalovirus infection and disease after bone marrow transplantation: epidemiology, prevention, and treatment. Reusser P. **Bone Marrow Transplant** 1991;7 Suppl 3:52–6 (29 ref.)
Cytomegalovirus infection and interstitial pneumonia after bone marrow transplantation. Winston DJ, et al. **Cancer Treat Res** 1990;50:113–28 (73 ref.)
Other virus infections in AIDS. I. Cytomegalovirus. Drew WL. **Immunol Ser** 1989;44:507–34 (98 ref.)
Significance of cytomegaloviral infections in pregnancy and early childhood. Stagno S. **Pediatr Infect Dis J** 1990 Oct; 9(10):763–4 (11 ref.)
The possible role of cytomegalovirus in atherogenesis. Bruggeman CA, et al. **Prog Med Virol** 1991;38:1–26 (123 ref.)
Virologic and pathogenetic aspects of cytomegalovirus infection. Grundy JE. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S711–9 (61 ref.)
Impact of cytomegalovirus infection on organ transplant recipients. Rubin RH. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S754–66 (115 ref.)
Cytomegalovirus infections after allogeneic bone marrow transplantation. Winston DJ, et al. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S776–92 (122 ref.)
Extrapulmonary cytomegalovirus disease in transplant patients. Petersen EA. **Transplant Proc** 1991 Apr;23(2 Suppl 1):13–6 (28 ref.)
[Cytomegalovirus infections in transplant patients (editorial)] Charpentier B. **Presse Med** 1991 Jun 22;20(24):1107–8 (10 ref.) **(Fre)**
[Clinical, diagnostic and physiopathological aspects of cytomegalovirus pneumonia after bone marrow transplantation] Cordonnier C. **Rev Pneumol Clin** 1990; 46(6):244–50 (55 ref.) (Eng. Abstr.) **(Fre)**
[Transfusion-transmitted infections] Sugg U. **Anasthesiol Intensivmed Notfallmed Schmerzther** 1991 Jun; 26(4):214–5 (9 ref.) **(Ger)**

IMMUNOLOGY

Cell-mediated immunity in experimental cytomegalovirus infections: a perspective. Pasternack MS, et al. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S720–6 (49 ref.)
Cytomegalovirus infection and indirect sequelae in the immunocompromised transplant patient. Ho M. **Transplant Proc** 1991 Apr;23(2 Suppl 1):2–7 (77 ref.)
Molecular aspects of immune recognition of cytomegalovirus. Koszinowski UH. **Transplant Proc** 1991 Jun;23(3 Suppl 3):70–3, discussion 74 (10 ref.)
Cytomegalovirus vaccine development--past and present. Plotkin SA. **Transplant Proc** 1991 Jun;23(3 Suppl 3):85–9 (10 ref.)

METABOLISM

Role of beta 2-microglobulin in cytomegalovirus infection. Grundy JE. **Scand J Rheumatol Suppl** 1990;87:98–101; discussion 101 (16 ref.)

MICROBIOLOGY

New insights into human cytomegaloviral infections. Adler SP. **Prog Med Virol** 1990;37:136–55 (72 ref.)

PATHOLOGY

Human cytomegalovirus labyrinthitis. Strauss M. **Am J Otolaryngol** 1990 Sep–Oct;11(5):292–8 (29 ref.)
Generalized eruption in a liver transplant patient. CMV. Elenitsas R, et al. **Arch Dermatol** 1990 Nov;126(11):1498, 1501 (17 ref.)
Diagnosis of cutaneous cytomegalovirus infection: a review and report of a case. Toome BK, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 2):860–7 (53 ref.)
HCMV-induced chorioretinitis in the rabbit. Dunkel EC. **Transplant Proc** 1991 Jun;23(3 Suppl 3):25–8, discussion 28 (7 ref.)

PHYSIOPATHOLOGY

Metabolic and cellular effects of human cytomegalovirus infection. Albrecht T, et al. **Transplant Proc** 1991 Jun;23(3 Suppl 3):48–54, discussion 54–5 (24 ref.)
Pediatric cytomegalovirus infection. Britt WJ, et al. **Transplant Proc** 1991 Jun;23(3 Suppl 3):115–7 (14 ref.)
Reactivation of latent CMV in the rat. Bruggeman CA. **Transplant Proc** 1991 Jun;23(3 Suppl 3):22–4, discussion 24 (4 ref.)
Clinical insights and observations contributing to the understanding of cytomegalovirus disease pathogenesis. Bone marrow transplantation. Forman SJ. **Transplant Proc** 1991 Jun;23(3 Suppl 3):110–4, discussion 114 (33 ref.)
Relevance of immune responses to pathogenesis of cytomegalovirus-associated diseases. Gehrz RC, et al. **Transplant Proc** 1991 Jun;23(3 Suppl 3):75–84 (45 ref.)
Alterations of cellular proteins in human cytomegalovirus infection: potential for disease pathogenesis. Grundy JE. **Transplant Proc** 1991 Jun;23(3 Suppl 3):38–41; discussion 41–2 (21 ref.)
Cytomegalovirus and its role in the pathogenesis of acquired immunodeficiency syndrome. Hirsch MS. **Transplant Proc** 1991 Jun;23(3 Suppl 3):118–21, discussion 121 (23 ref.)
Observations from transplantation contributing to the understanding of pathogenesis of CMV infection. Ho M. **Transplant Proc** 1991 Jun;23(3 Suppl 3):104–8, discussion 108–9 (39 ref.)
Latent CMV infection in the mouse. Jordan MC, et al. **Transplant Proc** 1991 Jun;23(3 Suppl 3):17–21 (40 ref.)
Bone marrow dysfunction in irradiated, cytomegalovirus-infected mice. Reddehase MJ. **Transplant Proc** 1991 Jun;23(3 Suppl 3):10–1, discussion 11 (8 ref.)
Pathogenesis of human cytomegalovirus-associated diseases. Historical perspective. Weller TH. **Transplant Proc** 1991 Jun;23(3 Suppl 3):5–6, discussion 6–7 (14 ref.)
Pathogenesis of CMV-associated diseases in 1990. Zaia JA. **Transplant Proc** 1991 Jun;23(3 Suppl 3):1–4 (22 ref.)

PREVENTION & CONTROL

Intravenous immunoglobulin in bone marrow transplantation. Gale RP, et al. **Cancer** 1991 Sep 15;68(6 Suppl):1451–3 (16 ref.)
Advances in the prevention and treatment of cytomegalovirus infection in hospital patients. Griffiths PD. **J Hosp Infect** 1991 Jun;18 Suppl A:330–4 (20 ref.)
Prevention of cytomegalovirus infection in the pediatric renal transplant recipient. Hibberd PL, et al. **Pediatr Nephrol** 1991 Jan;5(1):112–7 (73 ref.)
Cytomegalovirus infection after liver transplantation: clinical manifestations and strategies for prevention. Dummer JS. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S767–75 (63 ref.)
Vaccines for the prevention of human cytomegalovirus infection. Plotkin SA, et al. **Rev Infect Dis** 1990 Sep–Oct; 12 Suppl 7:S827–38 (47 ref.)
Cytomegalovirus immunoglobulins in the prevention and treatment of cytomegalovirus disease. Snydman DR. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S839–48 (55 ref.)
Cytomegalovirus infections in transplant patients: methods of prevention of primary cytomegalovirus. Bowden RA. **Transplant Proc** 1991 Jun;23(3 Suppl 3):136–8, discussion 138 (15 ref.)
Cytomegalovirus infections in the immunocompromised transplant patient. Prevention of cytomegalovirus disease with intravenous immune globulin. Snydman DR. **Transplant Proc** 1991 Apr;23(2 Suppl 1):20–5 (43 ref.)
Prevention of cytomegalovirus-associated diseases with immunoglobulin. Snydman DR. **Transplant Proc** 1991 Jun; 23(3 Suppl 3):131–5, discussion 135 (27 ref.)
A recombinant subunit vaccine approach to HCMV vaccine development. Spaete RR. **Transplant Proc** 1991 Jun;23(3 Suppl 3):90–6 (39 ref.)

THERAPY

Uses of immunotherapy for control of human cytomegalovirus-associated diseases. Emanuel DJ. **Transplant Proc** 1991 Jun;23(3 Suppl 3):144–6 (9 ref.)
Adoptive immunotherapy of human cytomegalovirus infection: potential role in protection from disease progression. Greenberg P, et al. **Transplant Proc** 1991 Jun; 23(3 Suppl 3):97–101 (12 ref.)
Critical evaluation of agents used in the treatment and prevention of cytomegalovirus infection in immunocompromised patients. Meyers JD. **Transplant Proc** 1991 Jun;23(3 Suppl 3):139–42, discussion 142–3 (14 ref.)
Treatment of cytomegalovirus pneumonia in transplant patients. Reed EC. **Transplant Proc** 1991 Apr;23(2 Suppl 1):8–12 (39 ref.)
Treatment of CMV infections and disease in transplantation. Schmidt GM. **Transplant Proc** 1991 Jun;23(3 Suppl 3):126–9, discussion 129–30 (30 ref.)

TRANSMISSION

Guinea pig model of congenital cytomegalovirus infection. Griffith BP, et al. **Transplant Proc** 1991 Jun;23(3 Suppl 3):29–31, discussion 31 (20 ref.)
[Cytomegalovirus infection after transfusion] Kai S, et al. **Rinsho Byori** 1991 Mar;Suppl 88:176–82 (27 ref.) **(Jpn)**

VETERINARY

Animal cytomegaloviruses. Staczek J. **Microbiol Rev** 1990 Sep;54(3):247–65 (378 ref.)
[Significance of bovine herpesvirus 4 and its detection] Egelhof SW. **Tierarztl Prax** 1991 Apr;19(2):127–9 (16 ref.) (Eng. Abstr.) **(Ger)**

CYTOMEGALOVIRUSES

DRUG EFFECTS

Clinical use of ganciclovir for cytomegalovirus infection and the development of drug resistance. Drew WL. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S42–6 (24 ref.)
Ganciclovir-resistant human cytomegalovirus clinical isolates; resistance mechanisms and in vitro susceptibility to antiviral agents. Biron KK. **Transplant Proc** 1991 Jun; 23(3 Suppl 3):162–7 (10 ref.)
Fluorinated pyrimidines: a new change for old drugs. King DH. **Transplant Proc** 1991 Jun;23(3 Suppl 3):168–70 (14 ref.)

GENETICS

Molecular biology of cytomegalovirus. Emery VC, et al. **Int J Exp Pathol** 1990 Dec;71(6):905–18 (104 ref.)
Animal cytomegaloviruses. Staczek J. **Microbiol Rev** 1990 Sep;54(3):247–65 (378 ref.)
Recent advances in the identification of significant human cytomegalovirus-encoded proteins. Britt WJ. **Transplant Proc** 1991 Jun;23(3 Suppl 3):64–9, discussion 69 (19 ref.)
The HCMV genome project: what has been learned and what can be expected in the future. Chee M. **Transplant Proc** 1991 Jun;23(3 Suppl 3):174–80, discussion 180 (46 ref.)
A recombinant subunit vaccine approach to HCMV vaccine development. Spaete RR. **Transplant Proc** 1991 Jun;23(3 Suppl 3):90–6 (39 ref.)

GROWTH & DEVELOPMENT

Reactivation of latent CMV in the rat. Bruggeman CA. **Transplant Proc** 1991 Jun;23(3 Suppl 3):22–4, discussion 24 (4 ref.)
Latent CMV infection in the mouse. Jordan MC, et al. **Transplant Proc** 1991 Jun;23(3 Suppl 3):17–21 (40 ref.)

IMMUNOLOGY

Vaccines for the prevention of human cytomegalovirus infection. Plotkin SA, et al. **Rev Infect Dis** 1990 Sep–Oct; 12 Suppl 7:S827–38 (47 ref.)
Cytomegalovirus immunoglobulins in the prevention and treatment of cytomegalovirus disease. Snydman DR. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S839–48 (55 ref.)
Cytomegalovirus antigenemia. The TH, et al. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S734–44 (32 ref.)
Molecular aspects of immune recognition of cytomegalovirus. Koszinowski UH. **Transplant Proc** 1991 Jun;23(3 Suppl 3):70–3, discussion 74 (10 ref.)

ISOLATION & PURIFICATION

Human cytomegalovirus labyrinthitis. Strauss M. **Am J Otolaryngol** 1990 Sep–Oct;11(5):292–8 (29 ref.)
Cytomegalovirus testing: antibody determinations and virus cultures with recommendations for use. Schultz DA, et al. **J Clin Lab Anal** 1991;5(1):69–73 (31 ref.)
Newer methods for diagnosis of cytomegalovirus infection. Chou S. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S727–36 (78 ref.)
Guinea pig model of congenital CMV-induced hearing loss: a review. Woolf NK. **Transplant Proc** 1991 Jun;23(3 Suppl 3):32–4, discussion 34 (16 ref.)
[Significance of bovine herpesvirus 4 and its detection] Egelhof SW. **Tierarztl Prax** 1991 Apr;19(2):127–9 (16 ref.) (Eng. Abstr.) **(Ger)**

PATHOGENICITY

The possible role of cytomegalovirus in atherogenesis. Bruggeman CA, et al. **Prog Med Virol** 1991;38:1–26 (123 ref.)
Multi-step pathogenesis of AIDS--role of cytomegalovirus. Fiala M, et al. **Res Immunol** 1991 Feb;142(2):87–95 (74 ref.)
Virologic and pathogenetic aspects of cytomegalovirus infection. Grundy JE. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S711–9 (61 ref.)

PHYSIOLOGY

Cytomegalovirus as a possible cofactor in HIV disease progression. Webster A. **J Acquir Immune Defic Syndr**

1991;4 Suppl 1:S47-52 (23 ref.)
Human cytomegalovirus: cellular function(s) required for virus replication. Tanaka J, et al. **Microbiol Sci** 1985 Dec; 2(12):353-4, 357-8 (29 ref.)
Cytomegalovirus: where have we been and where are we going? Merigan TC, et al. **Rev Infect Dis** 1990 Sep-Oct; 12 Suppl 7:S693-700 (90 ref.)
Cellular receptor for human cytomegalovirus. Cooper NR, et al. **Transplant Proc** 1991 Jun;23(3 Suppl 3):56-9, discussion 59 (4 ref.)
Alterations of cellular proteins in human cytomegalovirus infection: potential for disease pathogenesis. Grundy JE. **Transplant Proc** 1991 Jun;23(3 Suppl 3):38-41; discussion 41-2 (21 ref.)
Value of animal models to evaluate agents with potential activity against human cytomegalovirus. Kern ER. **Transplant Proc** 1991 Jun;23(3 Suppl 3):152-5, discussion 155 (4 ref.)
Initial events involved in cytomegalovirus-cell interactions. Mocarski ES Jr. **Transplant Proc** 1991 Jun;23(3 Suppl 3):43-7, discussion 47 (37 ref.)
Human cytomegalovirus glycoprotein-receptor interactions. Rasmussen L, et al. **Transplant Proc** 1991 Jun;23(3 Suppl 3):60-3 (8 ref.)

CYTOMETRY, FLOW see **FLOW CYTOMETRY**

CYTOPHAGA

PHYSIOLOGY

Gliding motility in Cytophaga. Pate JL. **Microbiol Sci** 1985 Oct;2(10):289-90, 293-5 (25 ref.)

CYTOPLASM

CHEMISTRY

Dopamine concentration in the cytoplasmic compartment of single neurons determined by capillary electrophoresis. Olefirowicz TM, et al. **J Neurosci Methods** 1990 Sep; 34(1-3):11-5 (19 ref.)

IMMUNOLOGY

Antineutrophil cytoplasmic autoantibodies: disease associations, molecular biology, and pathophysiology. Jennette JC, et al. **Int Rev Exp Pathol** 1991;32:193-221 (37 ref.)
Anti-neutrophil cytoplasmic antibodies and anti-endothelial cell antibodies. Dillon MJ, et al. **Pediatr Nephrol** 1991 Mar; 5(2):256-9 (44 ref.)

METABOLISM

Regulation of cytoplasmic and smooth muscle myosin. Sellers JR. **Curr Opin Cell Biol** 1991 Feb;3(1):98-104 (62 ref.)
Assembly of cytoplasmic and smooth muscle myosins. Trybus KM. **Curr Opin Cell Biol** 1991 Feb;3(1):105-11 (33 ref.)
Nuclear envelope dynamics and nucleocytoplasmic transport. Stewart M, et al. **J Cell Sci Suppl** 1991;14:79-82 (20 ref.)
[Regulatory mechanism of the cytoplasmic pH by H(+)-adenosinetriphosphatase] Kobayashi H. **Yakugaku Zasshi** 1990 Oct;110(10):703-10 (67 ref.) (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

EM visualization of nucleocytoplasmic transport processes. Feldherr CM, et al. **Electron Microsc Rev** 1990;3(1):73-86 (68 ref.)

CYTOPLASMIC FILAMENTS see **CYTOSKELETON**

CYTOPLASMIC GRANULES

see related
CELL DEGRANULATION

ENZYMOLOGY

Granule chymases and the characterization of mast cell phenotype and function in rat and mouse. Miller HR, et al. **Monogr Allergy** 1990;27:1-30 (71 ref.)

IMMUNOLOGY

Involvement of granule proteins in T-cell-mediated cytolysis. Krähenbühl O, et al. **Nat Immun Cell Growth Regul** 1990;9(4):274-82 (54 ref.)

METABOLISM

Serotonin-storing secretory vesicles. Tamir H, et al. **Ann N Y Acad Sci** 1990;600:53-66; discussion 67 (50 ref.)
ATP compartmentation in neuroendocrine secretory vesicles. Unsworth CD, et al. **Ann N Y Acad Sci** 1990;603:353-63; discussion 364-5 (31 ref.)
Biogenesis of secretory granules. Implications arising from the immature secretory granule in the regulated pathway of secretion. Tooze SA. **FEBS Lett** 1991 Jul 22;285(2):220-4 (37 ref.)

PHYSIOLOGY

Cortical granules and the cortical reaction in mammals. Cran DG, et al. **J Reprod Fertil Suppl** 1990;42:177-88 (74 ref.)

ULTRASTRUCTURE

Granulated metrial gland cells: pregnancy specific leukocytes? Stewart IJ. **J Leukoc Biol** 1991 Aug; 50(2):198-207 (90 ref.)
[Solitary and multiple granular cell tumors. Case reports and review of the literature] Bergner T, et al. **Hautarzt** 1991 Mar;42(3):162-7 (62 ref.) (Eng. Abstr.) **(Ger)**
[Pit cells--a tissue form of large granule-containing lymphocytes with natural killer activity] Berezhov NV. **Arkh Anat Gistol Embriol** 1991 Mar;100(3):5-15 (89 ref.) (Eng. Abstr.) **(Rus)**

CYTOPLASMIC POLYHEDROSIS VIRUSES see **REOVIRIDAE**

CYTOSINE

Frequency of abnormal human haemoglobins caused by C----T transitions in CpG dinucleotides. Perutz MF. **Boll Soc Ital Biol Sper** 1990 Sep;66(9):809-19 (17 ref.)
Cytosine methylation in gene-silencing mechanisms. Chomet PS. **Curr Opin Cell Biol** 1991 Jun;3(3):438-43 (37 ref.)

ANALOGS & DERIVATIVES

Islet amyloid polypeptide (IAPP). A short review. Stridsberg M, et al. **Acta Oncol** 1991;30(4):451-6 (53 ref.)
Broad-spectrum anti-DNA virus and anti-retrovirus activity of phosphonylmethoxyalkylpurines and -pyrimidines. De Clercq E. **Biochem Pharmacol** 1991 Aug 8;42(5):963-72 (69 ref.)
DNA methylation and chromatin structure. Lewis J, et al. **FEBS Lett** 1991 Jul 22;285(2):155-9 (23 ref.)

CYTOSINE ARABINOSIDE see **CYTARABINE**

CYTOSKELETAL FILAMENTS see **CYTOSKELETON**

CYTOSKELETAL PROTEINS

BIOSYNTHESIS

Manipulation and expression of molecular motors in Dictyostelium discoideum. Manstein DJ, et al. **J Cell Sci Suppl** 1991;14:63-5 (17 ref.)

GENETICS

The Drosophila cytoskeleton. Fyrberg EA, et al. **Annu Rev Cell Biol** 1990;6:559-96 (205 ref.)
Molecular genetic analysis of cytoskeletal proteins in development and implications for the membrane skeleton. Wolda SL, et al. **Semin Cell Biol** 1990 Oct;1(5):401-10 (91 ref.)

METABOLISM

2',3'-cyclic nucleotide 3'-phosphodiesterase has characteristics of cytoskeletal proteins. A hypothesis for its function. Braun PE, et al. **Ann N Y Acad Sci** 1990; 605:55-65 (30 ref.)
Molecular links between the cytoskeleton and membranes. Luna EJ. **Curr Opin Cell Biol** 1991 Feb;3(1):120-6 (58 ref.)
Association of motor proteins with membranes. Schroer TA. **Curr Opin Cell Biol** 1991 Feb;3(1):133-7 (35 ref.)

PHYSIOLOGY

Actin-membrane interaction in focal adhesions. Burridge K, et al. **Cell Differ Dev** 1990 Dec 2;32(3):337-42 (35 ref.)

CYTOSKELETON

Phenotypes of cells with cytoskeletal mutations. Noegel AA, et al. **Curr Opin Cell Biol** 1991 Feb;3(1):18-26 (59 ref.)

CHEMISTRY

The Drosophila cytoskeleton. Fyrberg EA, et al. **Annu Rev Cell Biol** 1990;6:559-96 (205 ref.)
Modular organization of actin crosslinking proteins. Matsudaira P. **Trends Biochem Sci** 1991 Mar;16(3):87-92 (26 ref.)

METABOLISM

Nucleotide hydrolysis in cytoskeletal assembly. Carlier MF. **Curr Opin Cell Biol** 1991 Feb;3(1):12-7 (49 ref.)
Molecular links between the cytoskeleton and membranes. Luna EJ. **Curr Opin Cell Biol** 1991 Feb;3(1):120-6 (58 ref.)
On the strategy of directed assembly and its relevance to ageing. Wagner AP. **Gerontology** 1990;36(3):132-9 (55 ref.)
Membrane-associated cytoskeleton and transbilayer phospholipid asymmetry. Gupta CM. **Indian J Biochem Biophys** 1990 Dec;27(6):365-7 (41 ref.)
Cytoskeletal targets for oncogenic tyrosine kinases. Kellie S, et al. **J Cell Sci** 1991 Jun;99 (Pt 2):207-11 (70 ref.)

PATHOLOGY

Vulnerability of the neuronal cytoskeleton in aging and Alzheimer disease: widespread involvement of all three major filament systems. Trojanowski JQ, et al. **Annu Rev Gerontol Geriatr** 1990;10:167-82 (59 ref.)

PHYSIOLOGY

Interaction between mRNA, ribosomes and the cytoskeleton. Hesketh JE, et al. **Biochem J** 1991 Jul 1;277 (Pt 1):1-10 (85 ref.)
Animal cell shape changes and gene expression. Ben-Ze'ev A. **Bioessays** 1991 May;13(5):207-12 (51 ref.)
Cytoskeletal origins in sulfur-metabolizing archaebacteria. Searcy DG, et al. **Biosystems** 1991;25(1-2):1-11 (54 ref.)
Mechanical properties of cytoskeletal polymers. Janmey PA. **Curr Opin Cell Biol** 1991 Feb;3(1):4-11 (51 ref.)
The plant cytoskeleton. Staiger CJ, et al. **Curr Opin Cell Biol** 1991 Feb;3(1):33-42 (47 ref.)
Dynamics of the cytoskeleton in live cells. Wang YL. **Curr Opin Cell Biol** 1991 Feb;3(1):27-32 (46 ref.)
Structural proteins in sexual differentiation of embryonic gonads. Fröjdman K, et al. **Int J Dev Biol** 1989 Mar; 33(1):99-103 (26 ref.)
Structure and function of the endothelial cytoskeleton. Gottlieb AI, et al. **Lab Invest** 1991 Aug;65(2):123-37 (159 ref.)
The cytoskeleton and control of the yeast cell cycle. Streiblová E, et al. **Microbiol Sci** 1985 May;2(5):139-43 (41 ref.)
Involvement of cytoskeleton in polypeptide hormone secretion from the anterior pituitary lobe: a review. Ravindra R, et al. **Mol Cell Endocrinol** 1990 Jul 9; 71(3):165-76 (24 ref.)
Spectrin-based membrane skeleton: a multipotential adaptor between plasma membrane and cytoplasm [published erratum appears in Physiol Rev 1991 Jan;71(1):preceding Table of Contents] Bennett V. **Physiol Rev** 1990 Oct; 70(4):1029-65 (441 ref.)
Synthesis, assembly and organization of the cytoskeleton during early amphibian development. Bement WM, et al. **Semin Cell Biol** 1990 Oct;1(5):383-9 (52 ref.)
Cytoskeleton in Xenopus oocytes and eggs. Elinson RP, et al. **Semin Cell Biol** 1990 Oct;1(5):349-57 (96 ref.)
The myoplasm of ascidian eggs: a localized cytoskeletal domain with multiple roles in embryonic development. Jeffery WR, et al. **Semin Cell Biol** 1990 Oct;1(5):373-81 (45 ref.)
Involvement of the membrane-cytoskeleton in development of epithelial cell polarity. Nelson WJ, et al. **Semin Cell Biol** 1990 Oct;1(5):359-71 (57 ref.)
Patterning of the membrane cytoskeleton by the extracellular matrix. Otey CA, et al. **Semin Cell Biol** 1990 Oct;1(5):391-9 (97 ref.)
Membrane-cytoskeletal interactions in the early mouse embryo. Sobel JS. **Semin Cell Biol** 1990 Oct;1(5):341-8 (40 ref.)
Role of the membrane-cytoskeleton in the spatial organization of the Na,K-ATPase in polarized epithelial cells. Nelson WJ, et al. **Soc Gen Physiol Ser** 1991;46:77-87 (26 ref.)
[Postsynaptic cytoskeleton and acetylcholine receptor clusters] Gao TM. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul;21(3):247-50 (32 ref.) **(Chi)**
[Cooperativity between surface receptors and cytoskeleton] Unger VE, et al. **Acta Histochem Suppl** 1990;39:303-10 (31 ref.) (Eng. Abstr.) **(Ger)**
[Functional significances of the cytoskeleton] Ishikawa H. **Hum Cell** 1990 Dec;3(4):289-93 (9 ref.) (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

The neuronal cytoskeleton in disorders of the motor neuron. Griffin JW, et al. **Adv Neurol** 1991;56:103-13 (59 ref.)
New developments in the pathology of Parkinson's disease. Jellinger K. **Adv Neurol** 1990;53:1-16 (71 ref.)
Cytoskeletal pathology in motor neuron diseases. Leigh PN, et al. **Adv Neurol** 1991;56:115-24 (40 ref.)
The actin cytoskeleton. Small JV. **Electron Microsc Rev** 1988; 1(1):155-74 (100 ref.)
Some aspects of the neuronal cytoskeleton in development. Riederer BM. **Eur J Morphol** 1990;28(2-4):347-78 (288 ref.)
Polarization of pseudopodial activities: cytoskeletal mechanisms. Vasiliev JM. **J Cell Sci** 1991 Jan;98 (Pt 1):1-4 (14 ref.)
Structure and function of the endothelial cytoskeleton. Gottlieb AI, et al. **Lab Invest** 1991 Aug;65(2):123-37 (159 ref.)
Differential distribution of cytoskeletal elements upon differentiation of human neuroblastoma cells: expression of a unique MAP2 species. Kirsch J, et al. **Prog Clin Biol Res** 1991;366:327-33 (15 ref.)
The endothelial cytoskeleton: organization in normal and regenerating endothelium. Gotlieb AI. **Toxicol Pathol** 1990; 18(4 Pt 1):603-17 (140 ref.)
[The cytoskeleton of platelets] Spangenberg P. **Acta Histochem Suppl** 1990;39:385-95 (75 ref.) (Eng. Abstr.) **(Ger)**
[Cytoskeleton--function and pathology: studies on the pathology of the intermediate filament cytoskeleton of liver cells] Denk H, et al. **Verh Dtsch Ges Pathol** 1990;74:335-49 (44 ref.) (Eng. Abstr.) **(Ger)**
[Pathology of the cytoskeleton in Alzheimer's disease and disorders related to this disease] Seitelberg F, et al. **Gac Med Mex** 1990 Sep-Oct;126(5):367-73 (16 ref.) (Eng. Abstr.) **(Spa)**

CYTOSOL

CHEMISTRY

Intracellular free magnesium concentration: relevance to cardiovascular medicine. Rotevatn S, et al. **Acta Physiol Scand Suppl** 1991;599:125–33 (36 ref.)

Flow cytometric measurement of intracellular ionized calcium in single cells with indo-1 and fluo-3. June CH, et al. **Methods Cell Biol** 1990;33:37–58 (55 ref.)

METABOLISM

Arachidonic acid metabolism of cytosolic fractions of Lewis lung carcinoma cells. Marnett LJ, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:895–900 (10 ref.)

High and low cytosolic Ca2+ induced macrophage death? Hypothesis. Van Rooijen N. **Cell Calcium** 1991 Jun; 12(6):381–4 (32 ref.)

Targeting of cytosolic proteins to lysosomes for degradation. Dice JF, et al. **Crit Rev Ther Drug Carrier Syst** 1990; 7(3):211–33 (82 ref.)

Translocation of diphtheria toxin to the cytosol and formation of cation selective channels. Olsnes S, et al. **J Physiol (Paris)** 1990;84(3):191–6 (34 ref.)

A selective pathway for degradation of cytosolic proteins by lysosomes. Dice JF, et al. **Semin Cell Biol** 1990 Dec; 1(6):449–55 (35 ref.)

PHYSIOLOGY

[Molecular mechanisms of the effect of estradiol (the latest concept)] Sergeev PV, et al. **Vestn Akad Med Nauk SSSR** 1990;(6):57–62 (63 ref.) **(Rus)**

CYTOSTATIC AGENTS see **ANTINEOPLASTIC AGENTS**

CYTOTAXINOGENS see **CHEMOTACTIC FACTORS**

CYTOTAXINS see **CHEMOTACTIC FACTORS**

CYTOTOXIC ANTIBIOTICS see **ANTIBIOTICS, ANTINEOPLASTIC**

CYTOTOXIC T-LYMPHOCYTES see **T-LYMPHOCYTES, CYTOTOXIC**

CYTOTOXICITY, ANTIBODY-DEPENDENT CELL see **ANTIBODY-DEPENDENT CELL CYTOTOXICITY**

CYTOTOXICITY, IMMUNOLOGIC

see related
KILLER CELLS, LYMPHOKINE-ACTIVATED
KILLER CELLS, NATURAL
T-LYMPHOCYTES, CYTOTOXIC

Nucleotide chloramines and neutrophil-mediated cytotoxicity. Bernofsky C. **FASEB J** 1991 Mar 1; 5(3):295–300 (90 ref.)

Immunological cytotoxicity of cutaneous cellular targets. Norris DA. **Immunol Ser** 1989;46:123–65 (182 ref.)

Extracellular ATP as a possible mediator of cell-mediated cytotoxicity. Di Virgilio F, et al. **Immunol Today** 1990 Aug; 11(8):274–7 (29 ref.)

Cytokine modulation of adhesion molecules in the regulation of immunologic cytotoxicity of epidermal targets. Norris DA. **J Invest Dermatol** 1990 Dec;95(6 Suppl):111S–120S (118 ref.)

How T lymphocytes kill infected cells. Berke G. **Microbiol Sci** 1985;2(2):44–6, 51–2 (39 ref.)

Region E3 of adenovirus: a cassette of genes involved in host immunosurveillance and virus–cell interactions. Wold WS, et al. **Virology** 1991 Sep;184(1):1–8 (70 ref.)

[Different sensitivity to acid reaction of the AIDS virus and virus-producing cells: clinical conclusions] Ongrádi J, et al. **Orv Hetil** 1990 Sep 9;131(36):1959–64 (42 ref.) (Eng. Abstr.) **(Hun)**

[Effect of surgical stress on cytotoxicity of the natural killer cells] Zlochevskaia LL. **Klin Khir** 1990;(8):42–7 (74 ref.) **(Rus)**

IMMUNOLOGY

Contribution of CR3, CD11b/CD18 to cytolysis by human NK cells. Klein E, et al. **Mol Immunol** 1990 Dec; 27(12):1343–7 (27 ref.)

Effectors of targeted cellular cytotoxicity [published erratum appears in Mol Immunol 1991 Jun;28(6):683] Segal DM, et al. **Mol Immunol** 1990 Dec;27(12):1339–42 (31 ref.)

[Tumor necrosis factor/cachectin] Kubin M. **Acta Haematol Pol** 1990 Jan–Jun;21(1):105–12 (148 ref.) **(Pol)**

PHYSIOLOGY

Cell-mediated cytotoxicity: ATP as an effector and the role of target cells. Steinberg TH, et al. **Curr Opin Immunol** 1991 Feb;3(1):71–5 (39 ref.)

Sideways killing mediated by either anti-TCR or anti-T3 antibodies: use of both high and low avidity Fc receptor and cell adhesion molecules. Ito M, et al. **Int Rev Immunol** 1989 May;4(2):133–44 (30 ref.)

The induction of T cell-mediated cytolysis by monoclonal antibodies against the T cell receptor/CD3 complex. Spits H, et al. **Int Rev Immunol** 1989 May;4(2):115–32 (85 ref.)

The IL-2 mediated amplification of cellular cytotoxicity. Grimm EA, et al. **J Cell Biochem** 1991 Apr;45(4):335–9 (17 ref.)

CYTOTOXICITY TESTS, IMMUNOLOGIC

METHODS

ADCC and other cellular bioassays for predicting the clinical significance of red cell alloantibodies. Engelfriet CP, et al. **Baillieres Clin Haematol** 1990 Apr;3(2):321–37 (40 ref.)

CYTOTOXIN-ANTIBODY CONJUGATES see **IMMUNOTOXINS**

CYTOTOXINS

Pore-forming cytolysins of gram-negative bacteria. Welch RA. **Mol Microbiol** 1991 Mar;5(3):521–8 (92 ref.)

BIOSYNTHESIS

[Coliform bacilli which produce cytotoxins: importance in veterinary medicine and public health] De Rycke J. **Ann Rech Vet** 1991;22(2):105–26 (99 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Engineering plant male sterility using a cell-restricted cytotoxin. Lichtenstein C. **Trends Biochem Sci** 1990 Dec; 15(12):453–4 (8 ref.)

ISOLATION & PURIFICATION

Shiga toxin: purification, structure, and function. Donohue-Rolfe A, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S293–7 (43 ref.)

METABOLISM

Digalactosyl-containing glycolipids as cell surface receptors for shiga toxin of Shigella dysenteriae 1 and related cytotoxins of Escherichia coli. Brown JE, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S298–303 (36 ref.)

TOXICITY

Transmembrane communication and disease. Pasternak CA. **Indian J Biochem Biophys** 1990 Dec;27(6):363–4 (26 ref.)

C1 ESTERASE INHIBITORS see **COMPLEMENT 1 INACTIVATORS**

DACRON see **POLYETHYLENE TEREPHTHALATE**

DACRYOCYSTITIS

CONGENITAL

[Neonatal dacryocystitis. A case report] Ducasse A, et al. **Bull Soc Ophtalmol Fr** 1990 Jun–Jul;90(6–7):595–7 (11 ref.) (Eng. Abstr.) **(Fre)**

DACTINOMYCIN

ADVERSE EFFECTS

Dactinomycin potentiation of radiation pneumonitis: a forgotten interaction. Cohen IJ, et al. **Pediatr Hematol Oncol** 1991 Apr–Jun;8(2):187–92 (20 ref.)

THERAPEUTIC USE

Single-agent chemotherapy for nonmetastatic gestational trophoblastic neoplasia. Perspectives for the 21st century after three decades of use. Kohorn EI. **J Reprod Med** 1991 Jan;36(1):49–55 (41 ref.)

DAIRY PRODUCTS

Enterococci in milk and milk products. Garg SK, et al. **Crit Rev Microbiol** 1991;18(1):15–45 (251 ref.)

DAIRYING

Implementation of nutritional consultation within a dairy practice. Gerloff BJ. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):621–8 (3 ref.)

METHODS

Replacement nutrition management. Heinrichs AJ. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):585–97 (48 ref.)

DANAZOL

ADVERSE EFFECTS

Danazol-induced hepatocellular adenomas. A case report and review of the literature. Kahn H, et al. **Arch Pathol Lab Med** 1991 Oct;115(10):1054–7 (14 ref.)

PHARMACOLOGY

Danazol. Donaldson VH. **Am J Med** 1989 Sep; 87(3N):49N–55N (92 ref.)

THERAPEUTIC USE

Efficacy of danazol in hematologic disorders. Ahn YS. **Acta Haematol (Basel)** 1990;84(3):122–9 (40 ref.)

Pharmacologic management of endometriosis. Saltiel E, et al. **Clin Pharm** 1991 Jul;10(7):518–31 (78 ref.)

Danazol in non-splenectomized patients with refractory idiopathic thrombocytopenic purpura. Edelmann DZ, et al. **Postgrad Med J** 1990 Oct;66(780):827–30 (17 ref.)

DANCING

The child dancer. Medical considerations. Schafle MD. **Pediatr Clin North Am** 1990 Oct;37(5):1211–21 (9 ref.)

[Symptoms and injuries of the locomotor system in dancers] Kap A, et al. **Ned Tijdschr Geneeskd** 1990 Sep 15; 134(37):1782–6 (23 ref.) **(Dut)**

DANDY-WALKER SYNDROME

Dandy-Walker malformation: analysis of 38 cases. Pascual-Castroviejo I, et al. **Childs Nerv Syst** 1991 Apr; 7(2):88–97 (68 ref.)

GENETICS

Joubert syndrome: a clinical and pathological description of an affected male and a female fetus from the same sibship. van Dorp DB, et al. **Am J Med Genet** 1991 Jul 1;40(1):100–4 (23 ref.)

DANE PARTICLE see **HEPATITIS B VIRUS**

DANGEROUS BEHAVIOR

Post-Tarasoff legal developments and the mental health literature. Kaufman M. **Bull Menninger Clin** 1991 Summer; 55(3):308–22 (46 ref.)

The dangerousness criterion for civil commitment: the problem and a possible solution. Brouillette MJ, et al. **Can J Psychiatry** 1991 May;36(4):285–9 (23 ref.)

The role of Canadian psychiatry in dangerous offender testimony. Rogers R, et al. **Can J Psychiatry** 1991 Mar; 36(2):79–84 (40 ref.)

How therapeutic is therapeutic holding? Wong SE, et al. **J Psychosoc Nurs Ment Health Serv** 1990 Nov;28(11):24–8 (17 ref.)

Dangerous people or dangerous situations? Some further thoughts. Prins H. **Med Sci Law** 1991 Jan;31(1):25–37 (60 ref.)

An overview: are mentally ill people really more dangerous? Davis S. **Soc Work** 1991 Mar;36(2):174–80 (51 ref.)

Predictions of dangerousness: an argument for limited use. Miller M, et al. **Violence Vict** 1988 Winter;3(4):263–83 (60 ref.)

DAPSONE

PHARMACOLOGY

Dapsone, folate synthesis and M. leprae. Chatterjee BR. **Indian J Lepr** 1990 Oct–Dec;62(4):459–66 (21 ref.)

THERAPEUTIC USE

Dapsone therapy of cicatricial pemphigoid. Rogers RS 3d, et al. **Semin Dermatol** 1988 Sep;7(3):201–5 (19 ref.)

DATA ANALYSIS, STATISTICAL see **DATA INTERPRETATION, STATISTICAL**

DATA COLLECTION

Cancer registration: principles and methods. Items of patient information which may be collected by registries. MacLennan R. **IARC Sci Publ** 1991;(95):43–63 (0 ref.)

Cancer registration: principles and methods. Data sources and reporting. Powell J. **IARC Sci Publ** 1991;(95):29–42 (0 ref.)

METHODS

Collection and use of routine maternity data. Barron SL, et al. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):681–97 (36 ref.)

Computerized automation of clinical trials. Johnson N, et al. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):771–86 (41 ref.)

History-taking by computer. Lilford RJ, et al. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):723–42 (41 ref.)

Data collection for an obstetric department. Maresh M. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):699–710 (23 ref.)

Use of health diaries with children. Butz AM, et al. **Nurs Res** 1991 Jan–Feb;40(1):59–61 (16 ref.)

Discovering occupational carcinogens in population-based case-control studies: review of findings from an exposure-based approach and a methodologic comparison of alternative data collection strategies. Siemiatycki J. **Recent Results Cancer Res** 1990;120:25–38 (18 ref.)

STANDARDS

Effectiveness of source documents for identifying fatal occupational injuries: a synthesis of studies. Stout N, et al. **Am J Public Health** 1991 Jun;81(6):725–8 (21 ref.)

DATA DISPLAY

Specification and selection of regions of interest (ROIs) in a computerized brain atlas. Bohm C, et al. **J Cereb Blood Flow Metab** 1991 Mar;11(2):A64–8 (11 ref.)

Visual information processing of computed topographic electrical activity brain maps. Klymenko V, et al. **J Clin Neurophysiol** 1990 Oct;7(4):484–97 (51 ref.)

Precautions in topographic mapping and in evoked potential map reading. Perrin F, et al. **J Clin Neurophysiol** 1990 Oct; 7(4):498–506 (25 ref.)

DATA INTERPRETATION, STATISTICAL

Charles F. Kettering Prize. The contribution of statistical methods to cancer research. Cox D. **Cancer** 1991 May 15; 67(10):2428–30 (9 ref.)

Statistical management of data in clinical research. Fleiss JL, et al. **Crit Rev Oral Biol Med** 1990;1(1):55–66 (44 ref.)

Assessing, accommodating, and interpreting the influences of heterogeneity. Louis TA. **Environ Health Perspect** 1991 Jan;90:215–22 (55 ref.)

Statistical issues in the analysis of neuroimages. Ford I, et al. **J Cereb Blood Flow Metab** 1991 Mar;11(2):A89–95 (41 ref.)

Statistical analysis of functional neuroimaging data: exploratory versus inferential methods. Pawlik G. **J Cereb Blood Flow Metab** 1991 Mar;11(2):A136–9 (15 ref.)

The reliability of reliability. Haas M. **J Manipulative Physiol Ther** 1991 Mar–Apr;14(3):199–208 (62 ref.)

Measuring technical efficiency in health care organizations. Rosko MD. **J Med Syst** 1990 Oct;14(5):307–22 (24 ref.)

Statistical issues in the analysis of data from occupational cohort studies. Breslow N. **Recent Results Cancer Res** 1990; 120:78–93 (50 ref.)

Variance components and their implications for statistical information in medical data. Orav EJ, et al. **Stat Med** 1991 Apr;10(4):599–616 (29 ref.)

Estimation issues in clinical trials and overviews. Pocock SJ, et al. **Stat Med** 1990 Jun;9(6):657–71 (46 ref.)

Methods for the analysis and assessment of clinical databases: the clinician's perspective. Pryor DB, et al. **Stat Med** 1991 Apr;10(4):617–28 (57 ref.)

DATA POOLING see **META-ANALYSIS**

DATA PROCESSING, AUTOMATIC see **AUTOMATIC DATA PROCESSING**

DATA SYSTEMS see **INFORMATION SYSTEMS**

DATABANKS see **DATABASES, FACTUAL**

DATABANKS, FACTUAL see **DATABASES, FACTUAL**

DATABASES see **DATABASES, BIBLIOGRAPHIC**

DATABASES, BIBLIOGRAPHIC

Sequence analysis of proteins separated by polyacrylamide gel electrophoresis: towards an integrated protein database. Aebersold R, et al. **Electrophoresis** 1990 Jul;11(7):517–27 (89 ref.)

Use of automated databases for pharmacoepidemiology research. Strom BL, et al. **Epidemiol Rev** 1990;12:87–107 (117 ref.)

DATABASES, DISTRIBUTED see **COMPUTER COMMUNICATION NETWORKS**

DATABASES, FACTUAL

Computer analysis of DNA and protein sequences. von Heijne G. **Eur J Biochem** 1991 Jul 15;199(2):253–6 (44 ref.)

Specification and selection of regions of interest (ROIs) in a computerized brain atlas. Bohm C, et al. **J Cereb Blood Flow Metab** 1991 Mar;11(2):A64–8 (11 ref.)

MULTI: a shared memory approach to cooperative molecular modeling. Darden T, et al. **J Mol Graph** 1991 Mar;9(1):18–23, 35 (11 ref.)

NTP carcinogens—interpretational problems. McConnell EE. **Mutat Res** 1991 Jun;248(2):233–7 (12 ref.)

Molecular graphics applied to 5-HT3 ligands. Peroutka SJ. **Neuropeptides** 1991 Jul;19 Suppl:21–3 (5 ref.)

Development and use of a pneumoconiosis database of human pulmonary inorganic particulate burden in over 400 lungs. Abraham JL, et al. **Scanning Microsc** 1991 Mar;5(1):95–104; discussion 105–8 (11 ref.)

Innovative methodologies for research using databases. Moses LE. **Stat Med** 1991 Apr;10(4):629–33 (11 ref.)

STANDARDS

Integrity of small data bases in computer analysis of dietary data. Windham CT, et al. **Crit Rev Food Sci Nutr** 1990; 29(3):149–66 (53 ref.)

Applying insurance claims data to assess quality of care: a compilation of potential indicators. Weiner JP, et al. **QRB Qual Rev Bull** 1990 Dec;16(12):424–38 (105 ref.)

Multiple imputation in health-care databases: an overview and some applications. Rubin DB, et al. **Stat Med** 1991 Apr;10(4):585–98 (26 ref.)

Practice databases and their uses in clinical research. Tierney WM, et al. **Stat Med** 1991 Apr;10(4):541–57 (87 ref.)

TRENDS

Update on trauma care in Canada. 6. Update on trauma registries and trauma scoring. Vestrup JA. **Can J Surg** 1990 Dec;33(6):461–3 (12 ref.)

DAUNOMYCIN see **DAUNORUBICIN**

DAUNORUBICIN

THERAPEUTIC USE

Cellular and pharmacologic aspects of drug resistance in acute myeloid leukemia. Ross DD. **Curr Opin Oncol** 1991 Feb;3(1):21–9 (38 ref.)

DAY CARE

Studies of the effectiveness of day treatment programs for children. Sayegh L, et al. **Can J Psychiatry** 1991 May; 36(4):246–53 (38 ref.)

[Hepatitis B at an open institution for the mentally retarded. Immunogenic effect of a recombinant anti-hepatitis-B vaccine] García O, et al. **Enferm Infecc Microbiol Clin** 1990 Mar;8(3):148–52 (39 ref.) (Eng. Abstr.) **(Spa)**

METHODS

Beyond the continuum of care: conceptualizing day treatment for children and youth. Topp DB. **Community Ment Health J** 1991 Apr;27(2):105–13 (12 ref.)

STANDARDS

Adult day care regulation: "Déjà vu all over again"? Weissert WG, et al. **J Health Polit Policy Law** 1991 Spring; 16(1):51–66 (23 ref.)

TRENDS

Adolescent day program: a two year retrospective review. Orchard JM, et al. **Can J Psychiatry** 1990 Aug;35(6):554–6 (11 ref.)

DAY DREAMS see **FANTASY**

DCMP DEAMINASE see **DEOXYCYTIDYLATE DEAMINASE**

D-D CARBOXYPEPTIDASE see **CARBOXYPEPTIDASE TRANSPEPTIDASE**

DDA (ANTIVIRAL) see **DIDEOXYADENOSINE**

DDAVP see **DESMOPRESSIN**

DDC (ANTIVIRAL) see **DIDEOXYCYTIDINE**

DDI (ANTIVIRAL) see **DIDEOXYINOSINE**

DDT

TOXICITY

DDT and pyrethroids—ecotoxicological considerations. Eriksson P. **Comp Biochem Physiol [C]** 1991; 100(1–2):269–70 (22 ref.)

DE QUERVAIN THYROIDITIS see **THYROIDITIS, SUBACUTE**

DE TONI-DEBRE-FANCONI SYNDROME see **FANCONI SYNDROME**

DEAF-MUTISM see **DEAFNESS**

DEAFNESS

see related
HEARING AIDS

Acquisition of word meanings from context by deaf readers. Davey B, et al. **Am Ann Deaf** 1990 Jul;135(3):227–34 (68 ref.)

The keratitis, ichthyosis, and deafness syndrome. Morris MR, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):526–8 (14 ref.)

COMPLICATIONS

Prelingual deafness and psychiatry. Kitson N, et al. **Br J Hosp Med** 1990 Nov;44(5):353–6 (33 ref.)

CONGENITAL

Education of the deaf: the otolaryngologist's role. Behrens TR, et al. **Otolaryngol Clin North Am** 1971 Jun;4(2):423–30 (6 ref.)

A high risk registry to find congenital deafness. Bergstrom L, et al. **Otolaryngol Clin North Am** 1971 Jun;4(2):369–99 (34 ref.)

New concepts in congenital deafness. Bergstrom L, et al. **Otolaryngol Clin North Am** 1971 Jun;4(2):431–43 (74 ref.)

Audiological evaluation of the congenitally deaf infant. Downs MP. **Otolaryngol Clin North Am** 1971 Jun; 4(2):347–58 (16 ref.)

The genetics of congenital deafness. Fraser GR. **Otolaryngol Clin North Am** 1971 Jun;4(2):227–47 (34 ref.)

Inner ear pathology in congenital deafness. Lindsay JR. **Otolaryngol Clin North Am** 1971 Jun;4(2):249–90 (42 ref.)

Surgery of congenital deafness. Linthicum FH Jr. **Otolaryngol Clin North Am** 1971 Jun;4(2):401–9 (3 ref.)

Clinical application of acoustic impedance measurements. Northern JL. **Otolaryngol Clin North Am** 1971 Jun; 4(2):359–68 (15 ref.)

The development of an auditory function. Pollack D. **Otolaryngol Clin North Am** 1971 Jun;4(2):319–35 (14 ref.)

The pediatric management of the congenitally deaf child. Stewart JM. **Otolaryngol Clin North Am** 1971 Jun; 4(2):337–45 (12 ref.)

[Malformations of the bony labyrinth and deafness (published erratum appears in Ann Otolaryngol Chir Cervicofac 1991;108(3):196)] Dumas G, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(1):1–12 (29 ref.) (Eng. Abstr.) **(Fre)**

EPIDEMIOLOGY

Issues in providing mental health services to hearing-impaired persons. Steinberg A. **Hosp Community Psychiatry** 1991 Apr;42(4):380–9 (97 ref.)

ETIOLOGY

[Total deafness after multiple pontine infarctions. Dolichoectasia of the basilar trunk] Davous P, et al. **Rev Neurol (Paris)** 1991;147(3):234–7 (21 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Acquired word deafness, and the temporal grain of sound representation in the primary auditory cortex. Phillips DP, et al. **Behav Brain Res** 1990 Nov 15;40(2):85–94 (84 ref.)

PSYCHOLOGY

Personality assessment of the prelingual, profoundly deaf child or adolescent. Cates JA, et al. **J Pers Assess** 1991 Feb;56(1):118–29 (46 ref.)

[The problem of communication in children with hearing disorders in relation to general aspects of the development of communicative behavior. A review] Kammerer E. **Z Kinder Jugenpsychiatr** 1990 Dec;18(4):224–30 (30 ref.) **(Ger)**

REHABILITATION

Advances in rehabilitation of deaf-blind persons. Vernon M, et al. **Adv Clin Rehabil** 1990;3:167–84 (31 ref.)

Thinking about thinking: a discussion of the development of cognition and language in deaf children. Christensen KM. **Am Ann Deaf** 1990 Jul;135(3):222–6 (37 ref.)

Early intervention for infants with deaf-blindness. Michael MG, et al. **Except Child** 1990 Dec–1991 Jan;57(3):200–10 (60 ref.)

Status of cochlear implantation in children. American Academy of Otolaryngology-Head and Neck Surgery Subcommittee on Cochlear implants. Kveton J, et al. **J Pediatr** 1991 Jan;118(1):1–7 (21 ref.)

Hearing aids for children. Upfold LJ. **Otolaryngol Clin North Am** 1971 Jun;4(2):411–21 (49 ref.)

DEAFNESS, CONDUCTIVE see **HEARING LOSS, CONDUCTIVE**

DEAFNESS, PARTIAL see **HEARING LOSS, PARTIAL**

DEAFNESS, SENSORINEURAL see **DEAFNESS**

DEAFNESS, SUDDEN

DIAGNOSIS

[Cogan syndrome. Case report, review of the literature, therapy] Wilder-Smith E, et al. **Laryngorhinootologie** 1991 Feb;70(2):90–2 (16 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

[Normovolemic hemodilution in the treatment of sudden deafness] Heitzmann P, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(8):521–5 (26 ref.) (Eng. Abstr.) **(Fre)**

DEAMINO ARGININE VASOPRESSIN see **DESMOPRESSIN**

DEATH

see related
ATTITUDE TO DEATH
BEREAVEMENT

CAUSE OF DEATH
HOMICIDE
TERMINAL CARE
THANATOLOGY

Human dying has changed. Llano Escobar A. **Bull Pan Am Health Organ** 1990;24(4):446–53 (11 ref.)

DEATH RATE see **MORTALITY**

DEATH, SUDDEN

see related
RESUSCITATION

Sudden cardiac death: management of high-risk patients [see comments] Akhtar M, et al. **Ann Intern Med** 1991 Mar 15;114(6):499–512 (98 ref.) Comment in: Ann Intern Med 1991 Jul 1;115(1):67–8.

Sympathetic--parasympathetic interaction and sudden death. Vanoli E, et al. **Basic Res Cardiol** 1990;85 Suppl 1:305–21 (53 ref.)

Prevention of sudden death by beta-blockade. Rehnqvist N. **Cardiovasc Drugs Ther** 1990 Jun;4(3):675–9 (23 ref.)

Sudden death and paroxysmal autonomic dysfunction in stiff-man syndrome. Mitsumoto H, et al. **J Neurol** 1991 Apr;238(2):91–6 (42 ref.)

[Can sudden cardiac death be prevented by anti-arrhythmia agents?] Janse MJ. **Ned Tijdschr Geneeskd** 1990 Oct 13; 134(41):1979–82 (24 ref.) **(Dut)**

[The prevention of sudden death: lights and shadows] Vincenzi M, et al. **G Ital Cardiol** 1991 Feb;21(2):203–12 (84 ref.) **(Ita)**

EPIDEMIOLOGY

Death, depression, and heart disease. Roose SP, et al. **J Clin Psychiatry** 1991 Jun;52 Suppl:34–9 (45 ref.)

Left ventricular hypertrophy, arterial hypertension and sudden death. Messerli FH. **J Hypertens Suppl** 1990 Dec; 8(7):S181–6 (61 ref.)

[Coronary risk factors and their relation to sudden death (editorial)] Bayés de Luna A, et al. **An Med Interna** 1989 Aug;6(8):397–401 (56 ref.) **(Spa)**

ETIOLOGY

Sudden death after acute myocardial infarction: the forgotten thrombotic view [editorial] Verheugt FW, et al. **Am J Cardiol** 1991 May 15;67(13):1130–4 (28 ref.)

Sudden cardiac death in young athletes. A review. McCaffrey FM, et al. **Am J Dis Child** 1991 Feb; 145(2):177–83 (88 ref.)

Sudden unexpected death due to papillary fibroma of the aortic valve. Report of a case and review of the literature. Amr SS, et al. **Am J Forensic Med Pathol** 1991 Jun; 12(2):143–8 (26 ref.)

Sudden death during exercise. Amsterdam EA. **Cardiology** 1990;77(5):411–7 (27 ref.)

Sudden cardiac death in blacks, including black athletes. Williams RA. **Cardiovasc Clin** 1991;21(3):297–320 (76 ref.)

Nonischemic sudden tachyarrhythmic death in atherosclerotic heart disease. Meissner MD, et al. **Circulation** 1991 Aug;84(2):905–12 (126 ref.)

Stress and sudden death. The case of the long QT syndrome. Schwartz PJ, et al. **Circulation** 1991 Apr;83(4 Suppl):II71–80 (67 ref.)

Annular subaortic aneurysm resulting in sudden death. Normann SJ. **Clin Cardiol** 1991 Jan;14(1):68–72 (15 ref.)

Pulmonary artery sarcoma: another cause of sudden death. Varriale P, et al. **Clin Cardiol** 1991 Feb;14(2):160–4 (51 ref.)

Sudden cardiac death after myocardial infarction. Fletcher RD. **Drugs** 1991;41 Suppl 2:1–8 (35 ref.)

Amiodarone in long term prophylaxis. Katritsis D, et al. **Drugs** 1991;41 Suppl 2:54–66 (104 ref.)

The value of oral amiodarone in the treatment of ventricular arrhythmias in heart disease. Levy S. **Drugs** 1991;41 Suppl 2:47–53 (32 ref.)

Can we predict sudden cardiac death? Meinertz T, et al. **Drugs** 1991;41 Suppl 2:9–15 (28 ref.)

When is drug therapy warranted to prevent sudden cardiac death? Singh BN. **Drugs** 1991;41 Suppl 2:24–46 (106 ref.)

Relationship of ischemic heart disease to sudden death. Buja LM, et al. **J Forensic Sci** 1991 Jan;36(1):25–33 (30 ref.)

Sudden death due to disease flare with luteinizing hormone-releasing hormone agonist therapy for carcinoma of the prostate. Thompson IM, et al. **J Urol** 1990 Dec; 144(6):1479–80 (15 ref.)

The Mikamo lecture. Role of higher nervous activity in sudden cardiac death. Lown B. **Jpn Circ J** 1990 Jun; 54(6):581–602 (106 ref.)

Sudden cardiac death, implanted defibrillation, and clinical electrophysiology. Coumel P, et al. **PACE Pacing Clin Electrophysiol** 1991 May;14(5 Pt 2):893–7 (7 ref.)

Pathophysiology of sudden cardiac death. Myerburg RJ, et al. **PACE Pacing Clin Electrophysiol** 1991 May;14(5 Pt 2):935–43 (34 ref.)

Monophasic action potentials and the detection and significance of mechanoelectric feedback in vivo. Lab MJ. **Prog Cardiovasc Dis** 1991 Jul-Aug;34(1):29–35 (56 ref.)

Biobehavioral factors in sudden cardiac death. Kamarck T, et al. **Psychol Bull** 1991 Jan;109(1):42–75 (280 ref.)

Sudden death in ischemic heart disease. Bayés de Luna A, et al. **Rev Port Cardiol** 1990 May;9(5):473–9 (96 ref.)

[Acute toxoplasmic myocarditis. A cause of sudden death in a case of acquired immunodeficiency syndrome] Hoffman P, et al. **Arch Mal Coeur** 1990 Oct;83(11):1735–8 (10 ref.) (Eng. Abstr.) **(Fre)**

[Myocardial bridging on the left anterior descending coronary artery and sudden death. Apropos of 19 cases with autopsy] Desseigne P, et al. **Arch Mal Coeur Vaiss** 1991 Apr;84(4):511–6 (27 ref.) (Eng. Abstr.) **(Fre)**

[Arterial hypertension, left ventricular hypertrophy and sudden cardiac death] Messerli FH, et al. **Dtsch Med Wochenschr** 1990 Nov 2;115(44):1682–7 (51 ref.) **(Ger)**

[Tachycardic arrhythmias in athletes. Incidence, clinical relevance and prognostic significance] Zehender M, et al. **Fortschr Med** 1991 Jan 30;109(3):37–40 (31 ref.) (Eng. Abstr.) **(Ger)**

[Life-threatening complications and death in anorexia nervosa] Backmund H, et al. **Schweiz Arch Neurol Psychiatr** 1990;141(5):419–28 (40 ref.) (Eng. Abstr.) **(Ger)**

[Can sudden death be prevented by drugs?] Amann FW. **Schweiz Rundsch Med Prax** 1990 Sep 25;79(39):1142–8 (27 ref.) (Eng. Abstr.) **(Ger)**

[Sudden death in psychiatric patients] Levkovitz Y, et al. **Harefuah** 1990 Nov 15;119(10):323–6 (36 ref.) **(Heb)**

[Spontaneous dissecting coronary hematoma (aneurysm) and sudden death] Cocco P, et al. **G Ital Cardiol** 1990 Sep; 20(9):795–800 (65 ref.) (Eng. Abstr.) **(Ita)**

[Problems of the medicolegal system for unnatural or unexpected deaths in Japan] Yanagida J. **Nippon Hoigaku Zasshi** 1990 Dec;44(5–6):421–8 (14 ref.) (Eng. Abstr.) **(Jpn)**

[Sudden death in ischemic heart disease. Prognostic factors] Witkowska M. **Kardiol Pol** 1990;33(8):31–6 (57 ref.) **(Pol)**

[Recording late ventricular potentials during examination of patients with high risk of sudden death] Shushliapin OI, et al. **Kardiologiia** 1990 Nov;30(11):106–8 (31 ref.) **(Rus)**

[Left ventricular hypertrophy in hypertension. Arrhythmias and sudden death] Garcia Robles JA, et al. **An Med Interna** 1989 Oct;6(10):543–6 (41 ref.) **(Spa)**

PATHOLOGY

Pathologic changes of the cardiac conduction tissue in sudden unexpected death. A review. Cohle SD, et al. **Pathol Annu** 1991;26 Pt 2:33–57 (81 ref.)

[Sudden cardiac death and late ventricular potentials] Ivanov GT, et al. **Anesteziol Reanimatol** 1991 May-Jun;(3):46–9 (71 ref.) **(Rus)**

DEATH WITH DIGNITY see **RIGHT TO DIE**

DEBRIDEMENT

Surgical approaches in osteomyelitis. Use of laser Doppler flowmetry to determine nonviable bone. Swiontkowski MF. **Infect Dis Clin North Am** 1990 Sep;4(3):501–12 (27 ref.)

INSTRUMENTATION

Burring technique in modern podiatric palliative care. Master G, et al. **J Am Podiatr Med Assoc** 1990 Dec;80(12):649–52 (9 ref.)

DEBRISOQUIN

CHEMISTRY

[Polymorphism of drug oxidation and its molecular mechanism] Du YL, et al. **Yao Hsueh Hsueh Pao** 1990; 25(5):391–6 (44 ref.) **(Chi)**

METABOLISM

Genetic polymorphism of sparteine/debrisoquine oxidation: a reappraisal. Lennard MS. **Pharmacol Toxicol** 1990 Oct; 67(4):273–83 (97 ref.)

DECARBOXYLASES see **CARBOXY-LYASES**

DECAVANADATE see **VANADATES**

DECAYED, MISSING, AND FILLED TEETH see **DMF INDEX**

DECEPTION see **LYING**

DECIDUA

CYTOLOGY

Autocrine/paracrine regulation of prolactin release from human decidual cells. Handwerger S, et al. **Ann N Y Acad Sci** 1991;622:111–9 (33 ref.)

METABOLISM

The insulin-like growth factor binding proteins--the endometrium and decidua. Bell SC. **Ann N Y Acad Sci** 1991;622:120–37 (78 ref.)

Regulation of the synthesis and release of decidual prolactin by placental and autocrine/paracrine factors. Handwerger S, et al. **Placenta** 1991 Mar-Apr;12(2):121–30 (20 ref.)

DECIDUAL CELL REACTION see **OVUM IMPLANTATION**

DECISION ANALYSIS see **DECISION SUPPORT TECHNIQUES**

DECISION MAKING

see related
DECISION SUPPORT TECHNIQUES
POLICY MAKING

Assessment of competency: the role of neurobehavioral deficits. Freedman M, et al. **Ann Intern Med** 1991 Aug 1;115(3):203–8 (27 ref.)

Methodologies for clinical ethics. Drane JF. **Bull Pan Am Health Organ** 1990;24(4):394–404 (0 ref.)

New Oslerians and real Flexnerians: the response to threatened professional autonomy. Vinten-Johansen P, et al. **Int J Health Serv** 1991;21(1):75–108 (127 ref.)

Decisionmaking regarding the initiation of tube feedings in the severely demented elderly: a review. Meyers RM, et al. **J Am Geriatr Soc** 1991 May;39(5):526–31 (25 ref.)

Why doctors do what they do: determinants of physician behavior. Harris JS. **J Occup Med** 1990 Dec;32(12):1207–20 (111 ref.)

Decision making in dentistry. Part II: Clinical applications of decision methods. McCreery AM, et al. **J Prosthet Dent** 1991 Apr;65(4):575–85 (79 ref.)

Decision making in dentistry. Part I: A historical and methodological overview. McCreery AM, et al. **J Prosthet Dent** 1991 Mar;65(3):447–51 (11 ref.)

Research in patient and family decision making regarding life sustaining and long term care. Coulton CJ. **Soc Work Health Care** 1990;15(1):63–78 (35 ref.)

[Medical diagnosis] Rizzi DA. **Ugeskr Laeger** 1991 Mar 4; 153(10):694–7 (30 ref.) (Eng. Abstr.) **(Dan)**

[Justification of pediatric programs and teams specializing in renal transplantation. Criteria for inclusion and limitation of pediatric renal transplantation] Navarro M, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 39:33–9 (35 ref.) **(Spa)**

PHYSIOLOGY

[Human brain reflexes: from stimulus to recognition and from decision to action] Ivanitskiĭ AM. **Zh Vyssh Nerv Deiat** 1990 Sep-Oct;40(5):835–41 (14 ref.) (Eng. Abstr.) **(Rus)**

DECISION MAKING, COMPUTER-ASSISTED

ESPRE--expert system for platelet request evaluation. Connelly DP, et al. **Am J Clin Pathol** 1990 Oct;94(4 Suppl 1):S19–24 (22 ref.)

The clinical practitioner and expert systems. Funck-Brentano JL. **Contrib Nephrol** 1990;78:166–72; discussion 172–3 (0 ref.)

Computers and diabetes therapy: key variables and quality of data for clinical decision-making. Mazze RS. **Horm Metab Res Suppl** 1990;24:97–103 (17 ref.)

Assessment and diffusion of computerized decision support systems. Weaver RR. **Int J Technol Assess Health Care** 1991;7(1):42–50 (19 ref.)

Artificial intelligence for medical decision making. Kumar AA, et al. **J Assoc Physicians India** 1990 Jul;38(7):475–8 (18 ref.)

Everyday diagnostics--a critique of the Bayesian model. Jonson NE. **Med Hypotheses** 1991 Apr;34(4):289–95 (11 ref.)

[Decision support] Martens G, et al. **Klin Anasthesiol Intensivther** 1990;38:328–37 (33 ref.) **(Ger)**

DECISION MAKING, ORGANIZATIONAL

see related
DECISION SUPPORT TECHNIQUES
POLICY MAKING

DECISION SUPPORT SYSTEMS, MANAGEMENT

Hospital information systems and quality assurance. Selbmann HK, et al. **Qual Assur Health Care** 1990; 2(3–4):335–44 (12 ref.)

DECISION SUPPORT TECHNIQUES

Decision analysis in obstetrics and gynaecology. Thornton JG. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):857–66 (6 ref.)

Developing a rational management strategy for angina pectoris after coronary bypass surgery: a clinical decision analysis. Mills RM Jr, et al. **Clin Cardiol** 1991 Mar; 14(3):191–7 (41 ref.)

Decision-oriented test request forms. A system for implementing practice parameters in laboratory medicine. Speicher CE. **Clin Lab Med** 1991 Mar;11(1):255–65 (14 ref.)

Clinical judgment and bioethics: the decision making link. Wright RA. **J Med Philos** 1991 Feb;16(1):71–91 (74 ref.)
Decision making in dentistry. Part I: A historical and methodological overview. McCreery AM, et al. **J Prosthet Dent** 1991 Mar;65(3):447–51 (11 ref.)
Decision making in dentistry. Part II: Clinical applications of decision methods. McCreery AM, et al. **J Prosthet Dent** 1991 Apr;65(4):575–85 (79 ref.)
Clinical judgment analysis. Kirwan JR, et al. **Q J Med** 1990 Sep;76(281):935–49 (46 ref.)
Analysing clinical decision analyses. Habbema JD, et al. **Stat Med** 1990 Nov;9(11):1229–42 (24 ref.)
The marriage of clinical trials and clinical decision science. Hilden J, et al. **Stat Med** 1990 Nov;9(11):1243–57 (14 ref.)
[Decision support] Martens G, et al. **Klin Anasthesiol Intensivther** 1990;38:328–37 (33 ref.) **(Ger)**
[Decision analysis in antibiotic therapy] Calvo MV, et al. **Enferm Infecc Microbiol Clin** 1990 Apr;8(4):199–207 (37 ref.) (Eng. Abstr.) **(Spa)**

DECISION TREES

Chylous ascites following abdominal aortic surgery. Williams RA, et al. **Ann Vasc Surg** 1991 May;5(3):247–52 (20 ref.)
RECPAM analysis of prognostic factors in patients with stage III breast cancer. Erlichman C, et al. **Breast Cancer Res Treat** 1990 Oct;16(3):231–42 (27 ref.)
Management of amenorrhea and associated disorders. Kletzky OA, et al. **Curr Opin Obstet Gynecol** 1990 Jun; 2(3):386–91 (8 ref.)

DECOMPRESSION

[The current concepts of the adaptation of the human body to hyperbarism and its readaptation after decompression] Guliar SA, et al. **Fiziol Zh** 1990 Jul–Aug;36(4):105–14 (63 ref.) (Eng. Abstr.) **(Rus)**

DECOMPRESSION, EXPLOSIVE see **DECOMPRESSION**

DECOMPRESSION SICKNESS

[Diving accidents (1). Decompression sickness] Desola Alà J. **Med Clin (Barc)** 1990 Jun 23;95(4):147–56 (101 ref.) **(Spa)**

PHYSIOPATHOLOGY

[The pathogenesis of decompression sickness] Feihl F. **Rev Med Suisse Romande** 1990 Nov;110(11):933–8 (22 ref.) **(Fre)**

PREVENTION & CONTROL

Flying after diving guidelines: a review. Sheffield PJ. **Aviat Space Environ Med** 1990 Dec;61(12):1130–8 (57 ref.)

THERAPY

[Safety standards of hyperbaric systems for treatment of decompression sickness] Pelaia P, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):639–42 (13 ref.) **(Ita)**
[Diving accidents (3). Treatment of dysbaric embolism disorders] Desola Alá J. **Med Clin (Barc)** 1990 Sep 8; 95(7):265–75 (108 ref.) **(Spa)**

DECONTAMINATION

Ecological risk analysis of biotechnological waste decontamination. Thrall AD, et al. **Biotechnology** 1991; 15:325–39 (35 ref.)

METHODS

Medical defense against blistering chemical warfare agents. Smith WJ, et al. **Arch Dermatol** 1991 Aug;127(8):1207–13 (60 ref.)
Techniques for radioactive decontamination in nuclear medicine. Mountford PJ. **Semin Nucl Med** 1991 Jan; 21(1):82–9 (12 ref.)

DECUBITUS ULCER

Pressure sores: an overview and update. Neitch SM. **W V Med J** 1991 Apr;87(4):152–7 (10 ref.)

DRUG THERAPY

Thyrotoxicosis induced by topical iodine application. Shetty KR, et al. **Arch Intern Med** 1990 Nov;150(11):2400–1 (9 ref.)

EPIDEMIOLOGY

Pressure sores in the elderly: can this outcome be improved? Smith DM, et al. **J Gen Intern Med** 1991 Jan–Feb; 6(1):81–93 (102 ref.)

ETIOLOGY

[Decubitus ulcers in geriatrics—pathogenesis, prevention and therapy] Seiler WO, et al. **Ther Umsch** 1991 May; 48(5):329–40 (65 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Prevention of pressure sores. Carlson CE, et al. **Annu Rev Nurs Res** 1990;8:35–56 (76 ref.)

DECUSSATION, PYRAMIDAL see **PYRAMIDAL TRACTS**

DEER

Tuberculosis in deer: a review. Clifton-Hadley RS, et al. **Vet Rec** 1991 Jul 6;129(1):5–12 (125 ref.)

GENETICS

Genetic selection in farmed deer. McManus C. **Vet Rec** 1991 Feb 2;128(5):100–2 (7 ref.)

DEFECATION

see related
FECAL INCONTINENCE
Chronic idiopathic constipation with outlet obstruction. Vanheuverzwyn R, et al. **Hepatogastroenterology** 1990 Dec; 37(6):585–7 (26 ref.)

PHYSIOLOGY

Influence of peptides on anorectal function. Christiansen J, et al. **Ann Med** 1990 Dec;22(6):413–8 (58 ref.)
Determinants of ileoanal pouch function. Levitt MD, et al. **Gut** 1991 Feb;32(2):126–7 (40 ref.)
Anatomy and physiology of the mechanism of continence. Kuijpers JH. **Neth J Med** 1990 Aug;37 Suppl 1:S2–5 (13 ref.)

DEFECTIVE INTERFERING PARTICLES see **DEFECTIVE VIRUSES**

DEFECTIVE INTERFERING VIRUSES see **DEFECTIVE VIRUSES**

DEFECTIVE VIRUSES

PHYSIOLOGY

Defective interfering viruses: modulators of infection. Dimmock NJ. **Microbiol Sci** 1985 Jan;2(1):1–7 (36 ref.)

DEFENSE MECHANISMS

Between awakening and despair. The phenomenology and clinic of obstinacy. Bosch G. **Acta Paedopsychiatr** 1989; 52(3):197–203 (11 ref.)
Defending and coping in psychically disturbed adolescents. I. Theory, results of factor analysis. Reinhard HG. **Acta Paedopsychiatr** 1989;52(3):232–40 (31 ref.)
Mental, neuropsychic, and brain patterns of defense. Neuropsychic defense continua from psychopathology to the particularly human parallel networks that are problematic for artificial intelligence. Forrest DV. **J Am Acad Psychoanal** 1991 Spring;19(1):99–123 (57 ref.)
The characterization and modelling of antipredator defensive behavior. Blanchard RJ, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):463–72 (42 ref.)
Logistic analysis of the defense reaction induced by electrical stimulation of the rat mesencephalic tectum. Schenberg LC, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):473–9 (39 ref.)
An ethological model for the study of activation and interaction of pain, memory and defensive systems in the attacked mouse. Role of endogenous opioids. Siegfried B, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):481–90 (115 ref.)
Difficult patients in extended psychiatric hospitalization: a research perspective on the patient, staff and team. Colson DB. **Psychiatry** 1990 Nov;53(4):369–82 (25 ref.)
Asymmetrical effects of positive and negative events: the mobilization-minimization hypothesis. Taylor SE. **Psychol Bull** 1991 Jul;110(1):67–85 (200 ref.)
[Theory and methods of clinical assessment of defense mechanisms] Küchenhoff J. **Psychother Psychosom Med Psychol** 1991 Jun;41(6):216–23 (27 ref.) (Eng. Abstr.) **(Ger)**
[Central nervous system control for maximal alertness in danger] Folkow B. **Lakartidningen** 1990 Dec 19; 87(51–52):4424–8 (13 ref.) (Eng. Abstr.) **(Swe)**

DEFENSIVE MEDICINE

Mammography and malpractice. Potchen EJ, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):475–80 (34 ref.)

DEFENSIVE PRACTICE see **DEFENSIVE MEDICINE**

DEFEROXAMINE

ADVERSE EFFECTS

Deferoxamine (desferrioxamine). New toxicities for an old drug. Bentur Y, et al. **Drug Saf** 1991 Jan–Feb;6(1):37–46 (85 ref.)
[Poisoning of retinal pigment epithelium by deferoxamine. A case report] Charton N, et al. **Bull Soc Ophtalmol Fr** 1990 Jun–Jul;90(6–7):599–602 (11 ref.) (Eng. Abstr.) **(Fre)**
[Disseminated mucormycosis in a hemodialyzed female patient treated with deferoxamine] Ponz E, et al. **Rev Clin Esp** 1991 Feb;188(2):85–7 (21 ref.) (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Current therapy of Cooley's anemia. A decade of experience with subcutaneous desferrioxamine. Giardina PJ, et al. **Ann N Y Acad Sci** 1990;612:275–85 (24 ref.)
Clinical studies on iron chelation in patients with thalassemia major. Freedman MH, et al. **Haematologica** 1990 Sep–Oct; 75 Suppl 5:74–83 (28 ref.)
Iron metabolism and iron chelation in the thalassaemia disorders. Pippard MJ. **Haematologica** 1990 Sep–Oct;75 Suppl 5:66–71 (21 ref.)

DEFIBRILLATION, ELECTRIC see **ELECTRIC COUNTERSHOCK**

DEFICIENCY DISEASES

ETIOLOGY

Enteral alimentation: administration and complications. Benya R, et al. **J Am Coll Nutr** 1991 Jun;10(3):209–19 (92 ref.)
[Zinc] Boukthir S, et al. **Tunis Med** 1991 Jan;69(1):3–15 (82 ref.) **(Fre)**

GENETICS

[Cutaneous necrosis at the initiation of antivitamin K treatment disclosing hereditary protein C deficiency] Piffoux M, et al. **Rev Pneumol Clin** 1990;46(3):125–7 (8 ref.) (Eng. Abstr.) **(Fre)**
[Molecular aspects of hereditary growth hormone defects] Argente Oliver J. **An Esp Pediatr** 1990 Nov;33 Suppl 42:132–8 (52 ref.) **(Spa)**

IMMUNOLOGY

1990 McCollum Award lecture. Nutrition and immunity: lessons from the past and new insights into the future. Chandra RK. **Am J Clin Nutr** 1991 May;53(5):1087–101 (119 ref.)

PATHOLOGY

Clinical, biochemical and molecular aspects of 17-hydroxylase deficiency. Winter JS. **Endocr Res** 1991; 17(1–2):53–62 (12 ref.)

DEFORMITIES see **ABNORMALITIES**

DEGLUTITION

[Paroxysmal supraventricular tachycardia induced by deglutition] Tison E, et al. **Ann Cardiol Angeiol (Paris)** 1991 Mar;40(3):141–5 (27 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Image quality and radiation levels in videofluoroscopy for swallowing studies: a review [see comments] Beck TJ, et al. **Dysphagia** 1990;5(3):118–28 (6 ref.) Comment in: Dysphagia 1990;5(3):117.
Effects of aging on the swallowing mechanism. Logemann JA. **Otolaryngol Clin North Am** 1990 Dec;23(6):1045–56 (50 ref.)
[Dynamic study of oro-pharyngeal deglutition] Fanucci A, et al. **Radiol Med (Torino)** 1991 Mar;81(3):276–85 (14 ref.) (Eng. Abstr.) **(Ita)**

DEGLUTITION DISORDERS

DIAGNOSIS

[Dysphagia] Scheurer U. **Ther Umsch** 1991 Mar;48(3):150–61 (66 ref.) (Eng. Abstr.) **(Ger)**
[Dysphagia] Pflücke F. **Z Arztl Fortbild (Jena)** 1990; 84(16):797–804 (53 ref.) **(Ger)**

ETIOLOGY

Anterior cervical osteophytes causing dysphagia. Flynn JM. **Bol Asoc Med P R** 1991 Feb;83(2):47–53 (34 ref.)
Swallowing disorders in the elderly. Mendez L, et al. **Clin Geriatr Med** 1991 May;7(2):215–30 (45 ref.)
Swallowing disorders in stroke. Smith DS, et al. **Med J Aust** 1990 Oct 1;153(7):372–3 (19 ref.)
[Dysphagia disclosing a cervical disk calcification in a child. Apropos of a case and review of the literature] Jawish R, et al. **Chir Pediatr** 1990;31(2):127–30 (29 ref.) (Eng. Abstr.) **(Fre)**
[Conference at the Salpêtrière. June 1989. Progressive instability of gait, dysphagia and dysphonia, paraparesis with amyotrophy and mental deterioration in a 56-year-old man] Collard M, et al. **Rev Neurol (Paris)** 1991;147(4):323–8 (26 ref.) (Eng. Abstr.) **(Fre)**
[Conference at the Salpêtrière. January 1989. Progressive paralysis of phonation and deglutition in a 22-year-old man] Michel D, et al. **Rev Neurol (Paris)** 1990; 146(8–9):522–5 (9 ref.) **(Fre)**
[Lesions of the gastrointestinal tract in children with

dermatomyositis] Musaev SN. **Pediatriia** 1990;(10):101–5 (79 ref.) **(Rus)**

PHYSIOPATHOLOGY

[Dynamic study of oro-pharyngeal deglutition] Fanucci A, et al. **Radiol Med (Torino)** 1991 Mar;81(3):276–85 (14 ref.) (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Radiographic techniques and efficacy in evaluating esophageal dysphagia. Ott DJ. **Dysphagia** 1990;5(4):192–203 (46 ref.)

Evaluation of swallowing disorders: the modified barium swallow. Gustafson-Yoshida N, et al. **Indiana Med** 1990 Dec;83(12):892–5 (11 ref.)

THERAPY

Approaches to the patient with aspiration and swallowing disabilities. Blitzer A. **Dysphagia** 1990;5(3):129–37 (84 ref.)

Palliation of malignant esophageal obstruction. Boyce GA. **Dysphagia** 1990;5(4):220–6 (40 ref.)

Swallowing disorders and nutritional support. Ganger D, et al. **Dysphagia** 1990;4(4):213–9 (11 ref.)

Feeding strategies for the dysphagic patient: a nursing perspective. Layne KA. **Dysphagia** 1990;5(2):84–8 (10 ref.)

Factors affecting ability to resume oral nutrition in the oropharyngeal dysphagic individual. Logemann JA. **Dysphagia** 1990;4(4):202–8 (24 ref.)

Dietary adjustments and nutritional therapy during treatment for oral-pharyngeal dysphagia. O'Gara JA. **Dysphagia** 1990;4(4):209–12 (13 ref.)

Managing dysphagia. Special problems in patients with neurologic disease. Horner J, et al. **Postgrad Med** 1991 Apr; 89(5):203–6, 211–3 (24 ref.)

DEGUS see **RODENTIA**

DEHYDRATASES see **HYDRO-LYASES**

DEHYDRATION

COMPLICATIONS

Brittle nails. Scher RK, et al. **Semin Dermatol** 1991 Mar; 10(1):21–5 (19 ref.)

ETIOLOGY

Oral rehydration therapy for invasive diarrhea. Varavithya W, et al. **Rev Infect Dis** 1991 Mar-Apr;13 Suppl 4:S325–31 (53 ref.)

PREVENTION & CONTROL

Nature, nurture, nutrition: interdisciplinary programs to address the prevention of malnutrition and dehydration. Musson ND, et al. **Dysphagia** 1990;5(2):96–101 (14 ref.)

THERAPY

Dehydration syndromes. Oral rehydration and fluid replacement. Grisanti KA, et al. **Emerg Med Clin North Am** 1991 Aug;9(3):565–88 (79 ref.)

Super ORS. Bhattacharya SK, et al. **Indian J Public Health** 1990 Jan-Mar;34(1):35–7 (18 ref.)

Treatment of the dehydrated child [see comments] Barkin RM. **Pediatr Ann** 1990 Oct;19(10):597–603 (4 ref.) Comment in: Pediatr Ann 1991 Jan;20(1):7.

[Hypodermoclysis: a forgotten technique...] Dutertre JP, et al. **Rev Med Interne** 1991 Mar-Apr;12(2):153–5 (20 ref.) (Eng. Abstr.) **(Fre)**

DEHYDROBILIRUBIN see **BILIVERDINE**

DEHYDROCORTISONE see **PREDNISONE**

DEHYDROEPIANDROSTERONE

PHARMACOLOGY

The antiobesity effect of dehydroepiandrosterone in rats. Cleary MP. **Proc Soc Exp Biol Med** 1991 Jan;196(1):8–16 (86 ref.)

DEHYDROGENASES see **OXIDOREDUCTASES**

DEHYDROISOANDROSTERONE see **DEHYDROEPIANDROSTERONE**

11-DEHYDROPROSTAGLANDIN F2ALPHA see **PROSTAGLANDIN D2**

DEINSTITUTIONALIZATION

Community versus hospital care: the crisis in psychiatric provision. Prior L. **Soc Sci Med** 1991;32(4):483–9 (46 ref.)

[Origin of problematic constellations in psychiatric family care. Theoretical considerations and presentation of the course of a discontinued family care episode] Schmidt-Michel PO, et al. **Psychother Psychosom Med Psychol** 1991 Jun;41(6):224–31 (30 ref.) (Eng. Abstr.) **(Ger)**

LEGISLATION & JURISPRUDENCE

The 1978 Italian mental health law--a personal evaluation: a review. Palermo GB. **J R Soc Med** 1991 Feb;84(2):99–102 (43 ref.)

TRENDS

Improving treatment for the severely mentally ill: implications of the decade-long Italian psychiatric reform [published erratum appears in Psychiatry 1990 Nov;53(4):424] Glick ID. **Psychiatry** 1990 Aug; 53(3):316–23 (20 ref.)

DEJA VU

PSYCHOLOGY

The déjà vu experience: remembrance of things past? [see comments] Sno HN, et al. **Am J Psychiatry** 1990 Dec; 147(12):1587–95 (91 ref.) Comment in: Am J Psychiatry 1991 Jul;148(7):951–2.

DEJERINE-SOTTAS DISEASE see **NEUROPATHIES, HEREDITARY MOTOR AND SENSORY**

DELAYED-ACTION PREPARATIONS

Polymers to treat brain tumours. Brem H. **Biomaterials** 1990 Nov;11(9):699–701 (26 ref.)

Polymeric controlled release systems. Braybrook JH, et al. **Drug Des Deliv** 1990 Jun;6(2):73–86 (213 ref.)

Drug delivery systems 5B. Oral drug delivery. Ranade VV. **J Clin Pharmacol** 1991 Feb;31(2):98–115 (57 ref.)

Drug delivery systems 5A. Oral drug delivery. Ranade VV. **J Clin Pharmacol** 1991 Jan;31(1):2–16 (52 ref.)

New developments in drug delivery systems. Chien YW. **Med Res Rev** 1990 Oct-Dec;10(4):477–504 (60 ref.)

[Parenteral depot drug forms with a base of biodegradable polymers] Mank R, et al. **Pharmazie** 1991 Jan;46(1):9–18 (151 ref.) **(Ger)**

HISTORY

How the field of controlled-release technology began, and its central role in the development of angiogenesis research. Folkman J. **Biomaterials** 1990 Nov;11(9):615–8 (35 ref.)

DELAYED EFFECTS, PRENATAL EXPOSURE see **PRENATAL EXPOSURE DELAYED EFFECTS**

DELIRIUM

DRUG THERAPY

Treatment of delirium in the critically ill patient. Fish DN. **Clin Pharm** 1991 Jun;10(6):456–66 (119 ref.)

Psychopharmacological interventions in HIV infections. Fernandez F. **New Dir Ment Health Serv** 1990 Winter; (48):43–53 (50 ref.)

NURSING

Mental status change in the elderly: recognizing and treating delirium. Morency CR. **J Prof Nurs** 1990 Nov-Dec; 6(6):356–64; discussion 364–5 (28 ref.)

THERAPY

Treatment and support in confusional states. Lesko LM, et al. **Recent Results Cancer Res** 1991;121:378–92 (19 ref.)

DELIRIUM TREMENS see **ALCOHOL WITHDRAWAL DELIRIUM**

DELIVERY

see related
BIRTH INJURIES
DYSTOCIA

A critical review of labor and birth care. Obstetrical Interest Group of the North American Primary Care Research Group. Smith MA, et al. **J Fam Pract** 1991 Sep; 33(3):281–92 (144 ref.)

[Morbidity among mothers and infants after ambulatory deliveries] Kierkegaard O. **Ugeskr Laeger** 1991 Jul 29; 153(31):2170–2 (27 ref.) (Eng. Abstr.) **(Dan)**

[Substitution therapy in the restoration of the mother's homeostasis] Kilian J. **Klin Anasthesiol Intensivther** 1989; 37:84–90 (21 ref.) **(Ger)**

[Psychological methods for facilitation of delivery] Knörr K. **Klin Anasthesiol Intensivther** 1989;37:48–53 (18 ref.) **(Ger)**

METHODS

[Obstetrical management in prolonged pregnancy] Kiumiurdzhiev G, et al. **Akush Ginekol (Sofiia)** 1990; 29(3):67–70 (28 ref.) **(Bul)**

[Active management of the 2d stage of labor versus physiological management of the 2d stage of labor] Kahánek J. **Cesk Gynekol** 1991 Mar;56(2):131–41 (125 ref.) **(Cze)**

[Update on delayed births] Schaal JP, et al. **Rev Fr Gynecol Obstet** 1991 Apr;86(4):311–3 (12 ref.) (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

The effects of social support on women's health during pregnancy, labor and delivery, and the postpartum period. Gjerdingen DK, et al. **Fam Med** 1991 Jul;23(5):370–5 (50 ref.)

DELIVERY, ABDOMINAL see **CESAREAN SECTION**

DELIVERY, HOME see **HOME CHILDBIRTH**

DELIVERY OF DENTAL CARE see **DELIVERY OF HEALTH CARE**

DELIVERY OF HEALTH CARE

see related
CONSUMER PARTICIPATION

Justice issues in health care delivery. Drane JF. **Bull Pan Am Health Organ** 1990;24(4):566–78 (18 ref.)

Catheter ablation. Present role and projected impact on health care for patients with cardiac arrhythmias. Scheinman MM. **Circulation** 1991 May;83(5):1489–98 (73 ref.)

AIDS: challenges to our health care systems. Osborn JE. **Cleve Clin J Med** 1990 Nov-Dec;57(8):709–14 (8 ref.)

Health care information systems. Patient-centered integration is the key. Korpman RA. **Clin Lab Med** 1991 Mar; 11(1):203–20 (30 ref.)

Primary care and HIV disease. Smith MD. **J Gen Intern Med** 1991 Jan-Feb;6(1 Suppl):S56–62 (47 ref.)

Human and health rights of Palestinians in the Occupied Territories. Essay review. Willis EA. **Med War** 1991 Apr-Jun;7(2):113–9 (1 ref.)

Health care provision and distributive justice: end stage renal disease and the elderly in Britain and America. Gill DG, et al. **Soc Sci Med** 1991;32(5):565–77 (55 ref.)

Managing medicine: a response to the 'crisis'. Hunter DJ. **Soc Sci Med** 1991;32(4):441–8 (37 ref.)

Disablement and the ideological crisis in health care. Williams GH. **Soc Sci Med** 1991;32(4):517–24 (56 ref.)

Managing stress in health social work roles today. Dillon C. **Soc Work Health Care** 1990;14(4):91–108 (21 ref.)

[Primary health care in developing countries] Anker H. **Tidsskr Nor Laegeforen** 1991 Jun 20;111(16):1967–72 (31 ref.) (Eng. Abstr.) **(Nor)**

ECONOMICS

Should the health care forest be selectively thinned by physicians or clear cut by payers? Welch HG. **Ann Intern Med** 1991 Aug 1;115(3):223–6 (29 ref.)

Health care in the developing world: need for appropriate laboratory technology [see comments] Heuck CC, et al. **Clin Chem** 1991 Apr;37(4):490–6 (20 ref.) Comment in: Clin Chem 1991 Apr;37(4):488–9.

Economic considerations that influence health policy and research. Harlan WR. **Hypertension** 1989 May;13(5 Suppl):I158–63 (9 ref.)

Public and private donor financing for health in developing countries. Howard LM. **Infect Dis Clin North Am** 1991 Jun;5(2):221–34 (11 ref.)

Financing health care for adolescents: problems, prospects, and proposals. Newacheck PW, et al. **J Adolesc Health Care** 1990 Sep;11(5):398–403 (24 ref.)

Child health services in England and Wales: an overview. Goodwin S. **Pediatrics** 1990 Dec;86(6 Pt 2):1032–6 (16 ref.)

LEGISLATION & JURISPRUDENCE

Public policy issues affecting the health care delivery system of adolescents. Brindis CD, et al. **J Adolesc Health Care** 1990 Sep;11(5):387–97 (21 ref.)

Our hands are tied: legally induced moral tensions in health care delivery. Kapp MB. **J Gen Intern Med** 1991 Jul-Aug; 6(4):345–8 (25 ref.)

ORGANIZATION & ADMINISTRATION

Health care in the developing world: need for appropriate laboratory technology [see comments] Heuck CC, et al. **Clin Chem** 1991 Apr;37(4):490–6 (20 ref.) Comment in: Clin Chem 1991 Apr;37(4):488–9.

[Health and the family] Kawczyńska-Butrym Z. **Wiad Lek** 1990 Nov 1–15;43(21–22):1071–6 (48 ref.) (Eng. Abstr.) **(Pol)**

STANDARDS

What constitutes a just health services system and how should scarce resources be allocated? Gracia D. **Bull Pan Am Health Organ** 1990;24(4):550–65 (16 ref.)

The need for a holistic approach to patient care. Abiodun OA. **East Afr Med J** 1991 Jan;68(1):25–8 (20 ref.)

TRENDS

Indigent health care in emergency medicine: an academic perspective. Lowe RA, et al. **Ann Emerg Med** 1991 Jul; 20(7):790–4 (65 ref.)

American Medical Association white paper on elderly health. Report of the Council on Scientific Affairs [published erratum appears in Arch Intern Med 1991;151(2):265] **Arch Intern Med** 1990 Dec;150(12):2459–72 (112 ref.)

Forces of change in the health care system. Implications for cancer care in the 1990s. Ettinger WH Jr. **Cancer** 1991

Mar 15;67(6 Suppl):1728–31 (14 ref.)
Changing demographics in the United States. Implications for health professionals. Frank-Stromborg M. **Cancer** 1991 Mar 15;67(6 Suppl):1772–8 (47 ref.)
Changing cancer care in the 1990s and the cost. Yarbro JW. **Cancer** 1991 Mar 15;67(6 Suppl):1718–27 (83 ref.)
Management, administration, leadership: what's in a name? Talbott JA. **New Dir Ment Health Serv** 1991 Spring; (49):61–9 (35 ref.)
Child health care policy and delivery in France. Manciaux M, et al. **Pediatrics** 1990 Dec;86(6 Pt 2):1037–43 (22 ref.)

DELIVERY ROOMS

Delivery room management of meconium-stained neonates. Kresch MJ, et al. **J Perinatol** 1991 Mar;11(1):46–8 (10 ref.)

STATISTICS & NUMERICAL DATA

Birth setting for low-risk pregnancies. An analysis of the current literature. Albers LL, et al. **J Nurse Midwifery** 1991 Jul–Aug;36(4):215–20 (57 ref.)

DELPHI TECHNIQUE

Burn nursing Delphi study. Setting research priorities. Marvin JA, et al. **J Burn Care Rehabil** 1991 Mar–Apr; 12(2):190–7 (11 ref.)

DELTA AGENT

Chronic hepatitis delta virus (HDV) infection. Gerken G, et al. **Hepatogastroenterology** 1991 Feb;38(1):29–32 (29 ref.)

GENETICS

Human hepatitis delta virus. Taylor JM.
Curr Top Microbiol Immunol 1991;168:141–66 (127 ref.)
The novel tertiary structure in delta RNA may function as a ribozyme control element. Branch AD, et al.
Prog Clin Biol Res 1991;364:257–64 (15 ref.)
[The hepatitis delta virus] Roingeard P, et al.
Gastroenterol Clin Biol 1991;15(5):428–36 (99 ref.) **(Fre)**

PATHOGENICITY

[Delta hepatitis] Nikiforov ND, et al. **Sov Med** 1991;(1):32–5 (49 ref.) **(Rus)**

PHYSIOLOGY

Persistence of hepatitis B virus and establishment of delta virus infection. Nordenfelt E. **Scand J Infect Dis Suppl** 1990;69:121–4 (21 ref.)
Replication of hepatitis B and delta viruses: appearance of viral mutants. Foster GR, et al. **Semin Liver Dis** 1991 May; 11(2):121–7 (40 ref.)

DELTA HEPATITIS see **DELTA INFECTION**

DELTA INFECTION

Hepatitis C, D and E virus infection. Sheron N, et al.
Baillieres Clin Gastroenterol 1990 Sep;4(3):749–74 (120 ref.)
Chronic hepatitis delta virus (HDV) infection. Gerken G, et al. **Hepatogastroenterology** 1991 Feb;38(1):29–32 (29 ref.)
Epidemiology, clinical course and treatment of chronic viral hepatitis. Stremmel W, et al. **Hepatogastroenterology** 1991 Feb;38(1):22–8 (35 ref.)
Experimental hepatitis delta virus infection in the animal model. Ponzetto A, et al. **Prog Clin Biol Res** 1991; 364:147–57 (28 ref.)
Hepatitis 1990. Gitnick G. **Scand J Gastroenterol Suppl** 1990; 175:113–7 (30 ref.)

COMPLICATIONS

Hepatitis D virus and other chronic viral infections in high risk populations: interaction from an epidemiologic perspective. Stevens CE. **Prog Clin Biol Res** 1991;364:361–4 (3 ref.)
Persistence of hepatitis B virus and establishment of delta virus infection. Nordenfelt E. **Scand J Infect Dis Suppl** 1990;69:121–4 (21 ref.)

DIAGNOSIS

Serologic diagnosis of acute and chronic viral hepatitis. Hoofnagle JH, et al. **Semin Liver Dis** 1991 May;11(2):73–83 (64 ref.)
[Viral hepatitis type C, D and E: virologic diagnosis, epidemiology and clinical course] Hess G.
Internist (Berl) 1991 May;32(5):244–8 (16 ref.) **(Ger)**

EPIDEMIOLOGY

HDV infection in the Western Pacific region. Dimitrakakis M, et al. **Prog Clin Biol Res** 1991;364:89–96 (9 ref.)
Hepatitis delta in South America and especially in the Amazon region. Gayotto LC. **Prog Clin Biol Res** 1991; 364:123–35 (34 ref.)
Epidemiology of hepatitis delta virus infection in less developed countries. Hadler SC, et al.
Prog Clin Biol Res 1991;364:21–31 (15 ref.)
HDV infection in southern Italy: an epidemiological overview. Piccinino F, et al. **Prog Clin Biol Res** 1991; 364:33–9 (15 ref.)
Epidemiology of hepatitis delta virus: overview. Rizzetto M, et al. **Prog Clin Biol Res** 1991;364:1–20 (65 ref.)
Hepatitis B and delta hepatitis infection in Peru. Sjogren MH, et al. **Prog Clin Biol Res** 1991;364:97–104 (14 ref.)
The role of hepatitis D virus in liver disease in the Middle East. Toukan AU, et al. **Prog Clin Biol Res** 1991;364:63–8 (11 ref.)
Epidemiology of hepatitis delta virus and non-A, non-B hepatitis. Nordenfelt E. **Scand J Infect Dis Suppl** 1990; 69:49–53 (33 ref.)

ETIOLOGY

Factors influencing the natural course of HDV hepatitis. Bonino F, et al. **Prog Clin Biol Res** 1991;364:137–46 (21 ref.)
[Delta hepatitis] Nikiforov ND, et al. **Sov Med** 1991;(1):32–5 (49 ref.) **(Rus)**

GENETICS

[The hepatitis delta virus] Roingeard P, et al.
Gastroenterol Clin Biol 1991;15(5):428–36 (99 ref.) **(Fre)**

IMMUNOLOGY

Serological perspectives on hepatitis B and D [editorial] Shattock AG. **Int J STD AIDS** 1990 Sep;1(5):321–7 (32 ref.)

PHYSIOPATHOLOGY

Hepatitis delta: the virus and the disease. Rizzetto M.
J Hepatol 1990;11 Suppl 1:S145–8 (20 ref.)

PREVENTION & CONTROL

Prevention and treatment of hepatitis delta virus infection. Karayiannis P, et al. **Prog Clin Biol Res** 1991;364:377–83 (8 ref.)

THERAPY

Review article: the management of hepatitis A, B, D and non-A non-B. Dusheiko GM. **Aliment Pharmacol Ther** 1989 Feb;3(1):1–20 (43 ref.)
Treatment of chronic viral hepatitis. de Man RA, et al.
Dig Dis 1991;9(1):17–35 (136 ref.)
Interferons in chronic viral hepatitis. Müller R.
Hepatogastroenterology 1991 Feb;38(1):4–9 (83 ref.)

DELTA SUPERINFECTION see **DELTA INFECTION**

DELTA(9)-THC see **TETRAHYDROCANNABINOL**

DELUSIONS

[The delusion of lycanthropic transformation] Rojo Moreno J, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1990 Sep–Oct;18(5):327–31 (12 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Body dysmorphic disorder: the distress of imagined ugliness. Phillips KA. **Am J Psychiatry** 1991 Sep;148(9):1138–49 (100 ref.)
On defining delusions. Spitzer M. **Compr Psychiatry** 1990 Sep–Oct;31(5):377–97 (30 ref.)
[Significance of the mental representation problem (mimesis) in schizophrenic delusions] Feldmann H. **Nervenarzt** 1991 Jan;62(1):27–31 (40 ref.) **(Ger)**

ETIOLOGY

Chronic wounds and delusions of parasitosis in the drug abuser. Marschall MA, et al. **Plast Reconstr Surg** 1991 Aug; 88(2):328–30 (19 ref.)

PSYCHOLOGY

Accounting for delusional misidentifications. Ellis HD, et al. **Br J Psychiatry** 1990 Aug;157:239–48 (67 ref.)
Morbid jealousy: a review and cognitive-behavioural formulation. Tarrier N, et al. **Br J Psychiatry** 1990 Sep; 157:319–26 (48 ref.)
Lycanthropy and demonomania: some psychopathological issues. Koehler K, et al. **Psychol Med** 1990 Aug; 20(3):629–33 (14 ref.)
Organic delusional syndrome. Gorman DG, et al.
Semin Neurol 1990 Sep;10(3):229–38 (74 ref.)
[Psychopathology of person misidentification—a multidimensional concept] Koehler K, et al.
Fortschr Neurol Psychiatr 1990 Aug;58(8):310–6 (25 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

[Use of electroconvulsive therapy in adolescence] Paillère-Martinot ML, et al. **Encephale** 1990 Sep–Oct; 16(5):399–404 (27 ref.) (Eng. Abstr.) **(Fre)**

DEMENTIA

Nutritional aspects of dementia, especially Alzheimer's disease. Bucht G, et al. **Age Ageing** 1990 Jul;19(4):S32–6 (58 ref.)
Decisionmaking regarding the initiation of tube feedings in the severely demented elderly: a review. Meyers RM, et al. **J Am Geriatr Soc** 1991 May;39(5):526–31 (25 ref.)
[Neurological aspects of dementia] Mikulec A.
Cesk Neurol Neurochir 1991 Jan;54(1):58–67 (95 ref.) **(Cze)**
[The dementias] Amaducci L, et al. **Medicina (Firenze)** 1990 Jul–Sep;10(3):213–27 (81 ref.) (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Anatomo-pathological studies on alcoholic dementia: a review and up to date research. Akai J.
Arukoru Kenkyuto Yakubutsu Ison 1991 Jun;26(3):134–41 (23 ref.)
Drug-induced dementia. Lowenthal DT, et al.
South Med J 1991 May;84(5 Suppl 1):S24–31 (57 ref.)
[Clinical concept of alcoholic dementia] Kato N.
Arukoru Kenkyuto Yakubutsu Ison 1991 Jun;26(3):119–33 (65 ref.) (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

[A consensus on dementia diseases (I): Classification and investigation] Wallin A. **Lakartidningen** 1990 Nov 14; 87(46):3856–65 (49 ref.) **(Swe)**

COMPLICATIONS

Role of neostriatal and mesostriatal or mesolimbic dopaminergic fibres in Parkinson's disease with and without dementia: prospects, concepts and facts. Cools AR.
Yakubutsu Seishin Kodo 1990 Mar;10(1):15–34 (117 ref.)

DIAGNOSIS

Screening for dementia and investigating its causes. Siu AL.
Ann Intern Med 1991 Jul 15;115(2):122–32 (105 ref.)
Dementia, depression, or grief? The differential diagnosis. Brock C, et al. **Geriatrics** 1990 Oct;45(10):37–43 (28 ref.)
In-office mental status testing: a practical guide. Mungas D.
Geriatrics 1991 Jul;46(7):54–8, 63, 66 (10 ref.)
Pragmatism and probabilities in dementia. McCormick WC, et al. **Hosp Pract [Off]** 1990 Dec 15;25(12):93–100, 103–6, 113–4 (12 ref.)
Should a major imaging procedure (CT or MRI) be required in the workup of dementia? An affirmative view. Katzman R. **J Fam Pract** 1990 Oct;31(4):401–5 (20 ref.)
The dexamethasone suppression test in dementia: a review of the literature. Skare S, et al.
J Geriatr Psychiatry Neurol 1990 Jul–Sep;3(3):124–38 (59 ref.)
Objective assessment in dementia: automated psychometric tests and the P3. Wright GM. **Neuroepidemiology** 1990; 9(4):208–15 (27 ref.)
The diagnosis of childhood neurodegenerative disorders presenting as dementia in adults. Coker SB. **Neurology** 1991 Jun;41(6):794–8 (52 ref.)
The clinical differential diagnosis of dementia: concept and methodology. Korczyn AD. **Psychiatr Clin North Am** 1991 Jun;14(2):237–49 (84 ref.)
Dementia: what to do. Pary R, et al. **South Med J** 1990 Oct; 83(10):1182–9 (60 ref.)
[Early diagnosis of dementia] Ulmar G.
Dtsch Med Wochenschr 1991 Apr 12;116(15):584–9 (14 ref.) **(Ger)**
[Diagnostic differentiation of dementia diseases by modern imaging procedures] Lang C, et al.
Fortschr Neurol Psychiatr 1990 Oct;58(10):380–98 (290 ref.) (Eng. Abstr.) **(Ger)**
[The diagnostic criteria of dementia and screening tests] Nishimura T. **Nippon Ronen Igakkai Zasshi** 1990 May; 27(3):303–4 (3 ref.) **(Jpn)**
[A consensus on dementia (II): A survey and special diagnosis] Wallin A. **Lakartidningen** 1990 Dec 19; 87(51–52):4443–8 (73 ref.) **(Swe)**

EPIDEMIOLOGY

Establishing diagnostic criteria for a registry for dementing diseases. Morris JC. **Aging (Milano)** 1990 Jun;2(2):207–15 (54 ref.)
Concerning the prevalence of dementia. Forbes WF, et al.
Can J Public Health 1991 May–Jun;82(3):185–8 (29 ref.)

ETIOLOGY

Screening for dementia and investigating its causes. Siu AL.
Ann Intern Med 1991 Jul 15;115(2):122–32 (105 ref.)
"Life, Jim, but not as we know it"? Transmissible dementias and the prion protein. Harrison PJ, et al.
Br J Psychiatry 1991 Apr;158:457–70 (145 ref.)
How acute brain failure becomes chronic: a view of the mechanisms of dementia related to stroke. Tatemichi TK.
Neurology 1990 Nov;40(11):1652–9 (103 ref.)
Multi-infarct dementia, subcortical dementia, and hydrocephalus. Nadeau SE. **South Med J** 1991 May;84(5 Suppl 1):S41–52 (63 ref.)
[Dementia, aging and neuroepidemiology] Gabriel Sánchez R. **Arch Neurobiol (Madr)** 1990 Sep–Oct;53(5):159–61 (23 ref.) **(Spa)**
[Alcoholic dementia] Molina JA, et al. **Med Clin (Barc)** 1990 Nov 17;95(17):662–6 (122 ref.) **(Spa)**

METABOLISM

Serotonin in Alzheimer-type dementia and other dementing illnesses. Cross AJ. **Ann N Y Acad Sci** 1990;600:405–15;

discussion 415–7 (53 ref.)

PATHOLOGY

Usefulness and significance of the concept of leukoaraiosis in the study of dementia. Sanguineti I, et al. **Ital J Neurol Sci** 1990 Oct;11(5):429–35 (46 ref.)

PHYSIOPATHOLOGY

Serotonergic control of cerebral activity and behavior: models of dementia. Vanderwolf CH, et al. **Ann N Y Acad Sci** 1990;600:366–82; discussion 382–3 (66 ref.)

A critical evaluation of monkey models of amnesia and dementia. Ridley RM, et al. **Brain Res Brain Res Rev** 1991 Jan–Apr;16(1):15–37 (173 ref.)

Dementia: animal models of the cognitive impairments following damage to the basal forebrain cholinergic system. Olton DS. **Brain Res Bull** 1990 Sep;25(3):499–502 (23 ref.)

Cholinergic mechanisms in learning, memory and dementia: a review of recent evidence. Fibiger HC. **Trends Neurosci** 1991 Jun;14(6):220–3 (47 ref.)

[Syndrome of partial cholinergic deafferentation of the cortical mantle--a concept for describing the brain–behavior relationship in dementia diseases] Arendt T. **Fortschr Neurol Psychiatr** 1991 Mar;59(3):81–91 (82 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Periodic health examination, 1991 update: 1. Screening for cognitive impairment in the elderly. Canadian Task Force on the Periodic Health Examination [see comments] **Can Med Assoc J** 1991 Feb 15;144(4):425–31 (103 ref.) Comment in: Can Med Assoc J 1991 Jun 15;144(12):1605–6.

PSYCHOLOGY

Behavioral complications of dementia: a clinical approach for the general internist. Howell T, et al. **J Gen Intern Med** 1990 Sep–Oct;5(5):431–7 (31 ref.)

Neuropsychological assessment of cognitive change in dementia. Hadar U, et al. **Neuroepidemiology** 1990; 9(4):189–92 (3 ref.)

RADIOGRAPHY

Should a major imaging procedure (CT or MRI) be required in the workup of dementia? An opposing view. Clarfield AM, et al. **J Fam Pract** 1990 Oct;31(4):405–10 (25 ref.)

RADIONUCLIDE IMAGING

Imaging dementia with SPECT. Holman BL, et al. **Ann N Y Acad Sci** 1991;620:165–74 (25 ref.)

Single photon tomography in Alzheimer's disease and the dementias. Bonte FJ, et al. **Semin Nucl Med** 1990 Oct; 20(4):342–52 (42 ref.)

THERAPY

Methodological problems of clinical trials in multi–infarct dementia. Loeb C, et al. **Neuroepidemiology** 1990;9(4):223–7 (15 ref.)

Managing the care of patients with dementia. How to maximize level of functioning and minimize behavior problems. Stewart JT. **Postgrad Med** 1991 Sep 15; 90(4):45–9 (16 ref.)

Treatment and support in confusional states. Lesko LM, et al. **Recent Results Cancer Res** 1991;121:378–92 (19 ref.)

DEMENTIA, MULTI-INFARCT

DIAGNOSIS

Diagnosis of multi–infarct dementia. Erkinjuntii T, et al. **Alzheimer Dis Assoc Disord** 1991 Summer;5(2):112–21 (56 ref.)

Behavioral neurology of multi–infarct dementia. Mahler ME, et al. **Alzheimer Dis Assoc Disord** 1991 Summer;5(2):122–30 (50 ref.)

[Diagnostic criteria and clinical course of multi–infarct dementia] Kowalczuk–Zieleniec E. **Psychiatr Pol** 1990 Jan–Feb;24(1):36–44 (19 ref.) **(Pol)**

EPIDEMIOLOGY

Epidemiology of multi–infarct dementia. Kase CS. **Alzheimer Dis Assoc Disord** 1991 Summer;5(2):71–6 (23 ref.)

Recent developments in gerontopsychiatric research on age–associated dementia in Japan. Homma A, et al. **Int Psychogeriatr** 1989 Spring;1(1):31–49 (90 ref.)

ETIOLOGY

Multi–infarct dementia: a reappraisal. Hachinski VC. **Alzheimer Dis Assoc Disord** 1991 Summer;5(2):64–8 (23 ref.)

Multi–infarct dementia, subcortical dementia, and hydrocephalus. Nadeau SE. **South Med J** 1991 May;84(5 Suppl 1):S41–52 (63 ref.)

MORTALITY

Survival of patients with dementia. van Dijk PT, et al. **J Am Geriatr Soc** 1991 Jun;39(6):603–10 (66 ref.)

PATHOLOGY

The pathological basis of multi–infarct dementia. Munoz DG. **Alzheimer Dis Assoc Disord** 1991 Summer;5(2):77–90 (52 ref.)

PHYSIOPATHOLOGY

Cerebral blood flow and metabolism studies in multi–infarct dementia. Brown WD, et al. **Alzheimer Dis Assoc Disord** 1991 Summer;5(2):131–43 (72 ref.)

Experimental basis of multi–infarct dementia: memory impairments in rodent models of ischemia. Naritomi H. **Alzheimer Dis Assoc Disord** 1991 Summer;5(2):103–11 (28 ref.)

PREVENTION & CONTROL

Multi–infarct dementia: prevention and treatment. Wade JP. **Alzheimer Dis Assoc Disord** 1991 Summer;5(2):144–8 (25 ref.)

RADIONUCLIDE IMAGING

The investigation of dementia with single photon emission tomography. Buell U, et al. **Nucl Med Commun** 1990 Dec; 11(12):823–41 (81 ref.)

DEMENTIA PRAECOX see **SCHIZOPHRENIA**

DEMENTIA, PRESENILE

Senile dementia and presenile dementia. Nakamura S. **Tohoku J Exp Med** 1990 Aug;161 Suppl:49–60 (25 ref.)

RADIONUCLIDE IMAGING

The investigation of dementia with single photon emission tomography. Buell U, et al. **Nucl Med Commun** 1990 Dec; 11(12):823–41 (81 ref.)

DEMENTIA, PRIMARY DEGENERATIVE, PRESENILE see **DEMENTIA, PRESENILE**

DEMENTIA, PRIMARY DEGENERATIVE, SENILE see **DEMENTIA, SENILE**

DEMENTIA, SENILE

The clinical issues of age–related dementia. Hasegawa K. **Tohoku J Exp Med** 1990 Aug;161 Suppl:29–38 (18 ref.)

Senile dementia and presenile dementia. Nakamura S. **Tohoku J Exp Med** 1990 Aug;161 Suppl:49–60 (25 ref.)

[Senile dementia and Alzheimer's disease] Gonzalo Sanz LM. **Rev Med Univ Navarra** 1989 Jan–Mar;33(1):27–36 (176 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

"Pseudodementia" and "pseudodepression": a short review on the coexistence of cognitive and affective impairment in the elderly. Foerstl H. **Cesk Neurol Neurochir** 1990 Sep; 53(5):294–304 (100 ref.)

Semantic deterioration in Alzheimer's: the patterns to expect. Chobor KL, et al. **Geriatrics** 1990 Oct;45(10):68–70, 75 (38 ref.)

DIAGNOSIS

Depressive disorders and dementia: the clinical view. Lauter H, et al. **Acta Psychiatr Scand Suppl** 1991;366:40–6 (56 ref.)

Distinctive aspects of cognitive dysfunction in Parkinson's disease. Growdon JH, et al. **Adv Neurol** 1990;53:365–76 (74 ref.)

Alzheimer disease and the dementia of Parkinson disease: comparative investigations. Mahler ME, et al. **Alzheimer Dis Assoc Disord** 1990 Fall;4(3):133–49 (105 ref.)

Affective disorder and physical illness in old age. Philpott RM. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:7–20 (90 ref.)

Diagnostic issues in depression in old age. Wattis JP. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:1–6 (7 ref.)

Non Alzheimer's disease forms of cerebral atrophy [editorial] Neary D. **J Neurol Neurosurg Psychiatry** 1990 Nov; 53(11):929–31 (32 ref.)

[Manic disorder in the aged: a review of the literature] Fortin L. **Can J Psychiatry** 1990 Nov;35(8):679–83 (49 ref.) (Eng. Abstr.) **(Fre)**

[Early diagnosis and prevention of dementia in the aged] Hirai S. **Nippon Ronen Igakkai Zasshi** 1990 May; 27(3):305–9 (9 ref.) (Eng. Abstr.) **(Jpn)**

[A consensus on dementia (II): A survey and special diagnosis] Wallin A. **Lakartidningen** 1990 Dec 19; 87(51–52):4443–8 (73 ref.) **(Swe)**

DRUG THERAPY

Antipsychotics in the elderly. Rosen J, et al. **Acta Psychiatr Scand Suppl** 1990;358:170–5 (61 ref.)

Use of psychostimulants for the elderly. Roccaforte WH, et al. **Hosp Community Psychiatry** 1990 Dec;41(12):1330–3 (21 ref.)

[Psychopharmacotherapy in the aged] Pöldinger W, et al. **Verh Dtsch Ges Inn Med** 1990;96:295–310 (46 ref.) **(Ger)**

EPIDEMIOLOGY

The epidemiology of primary degenerative dementia and related neurological disorders. Cooper B. **Eur Arch Psychiatry Clin Neurosci** 1991;240(4–5):223–33 (88 ref.)

The epidemiology of dementia: GMS–AGECAT studies of prevalence and incidence, including studies in progress. Copeland JR, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;240(4–5):212–7 (27 ref.)

The epidemiology of dementia in North America. Eastwood MR, et al. **Eur Arch Psychiatry Clin Neurosci** 1991; 240(4–5):207–11 (50 ref.)

ETIOLOGY

Diagnosis of rare dementia syndromes: an algorithmic approach. Reichman WE, et al. **J Geriatr Psychiatry Neurol** 1990 Apr–Jun;3(2):73–84 (72 ref.)

METABOLISM

[Modifications in neurotransmission in degenerative dementias] Maloteaux JM. **Acta Psychiatr Belg** 1989 May–Aug;89(3–4):186–93 (32 ref.) **(Fre)**

PATHOLOGY

Role of catechol autooxidation in the degeneration of dopamine neurons. Fornstedt B. **Acta Neurol Scand Suppl** 1990;129:12–4 (5 ref.)

[An autopsy case of idiopathic parkinsonism with numerous Lewy bodies in the cerebral cortex--diffuse Lewy body disease] Akashi T, et al. **No To Shinkei** 1991 Feb; 43(2):175–81 (18 ref.) (Eng. Abstr.) **(Jpn)**

[Dementia processes at an advanced age and changes in the subcortical substantia alba (leukoaerosis) (a review)] Medvedev AV, et al. **Zh Nevropatol Psikhiatr** 1991; 91(3):117–23 (106 ref.) **(Rus)**

PHYSIOPATHOLOGY

Subcognitive processing in the frontocaudate "complex loop": the role of the striatum. Taylor AE, et al. **Alzheimer Dis Assoc Disord** 1990 Fall;4(3):150–60 (39 ref.)

Animal models of age–related dementia: neurobehavioral dysfunctions in autoimmune mice. Forster MJ, et al. **Brain Res Bull** 1990 Sep;25(3):503–16 (153 ref.)

Research activity at the Max Planck Institute for Psychiatry (Munich): depression in later life. Heuser IJ, et al. **Int Psychogeriatr** 1991 Spring;3(1):75–8 (15 ref.)

[Syndrome of partial cholinergic deafferentation of the cortical mantle--a concept for describing the brain–behavior relationship in dementia diseases] Arendt T. **Fortschr Neurol Psychiatr** 1991 Mar;59(3):81–91 (82 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

[Prevention and treatment of senile dementia] Otomo E. **Nippon Ronen Igakkai Zasshi** 1990 May;27(3):310–3 (6 ref.) **(Jpn)**

PSYCHOLOGY

The social psychiatry of later life [see comments] Henderson AS. **Br J Psychiatry** 1990 May;156:645–53 (90 ref.) Comment in: Br J Psychiatry 1990 Aug;157:302.

RADIONUCLIDE IMAGING

The use and applications of single–photon emission computerised tomography in dementia. Geaney DP, et al. **Br J Psychiatry Suppl** 1990;(9):66–75 (80 ref.)

REHABILITATION

[Rehabilitation of psychological diseases in the aged] Kuhlmey J. **Z Arztl Fortbild (Jena)** 1991 Apr 25;85(8):373–7 (46 ref.) **(Ger)**

[Support system for the demented elderly--the viewpoint of community care] Okuni M. **Nippon Ronen Igakkai Zasshi** 1990 May;27(3):314–8 (7 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Regionalization of psychiatric services for the elderly. Shulman KI. **Can J Psychiatry** 1991 Feb;36(1):3–8 (41 ref.)

DEMENTIA, VASCULAR

Vascular dementia. Tohgi H. **Tohoku J Exp Med** 1990 Aug; 161 Suppl:39–47 (11 ref.)

DIAGNOSIS

Vascular dementias in the elderly. Gorelick PB, et al. **Clin Geriatr Med** 1991 Aug;7(3):599–615 (75 ref.)

EPIDEMIOLOGY

Cross–national comparisons of the occurrence of Alzheimer's and vascular dementias. Jorm AF. **Eur Arch Psychiatry Clin Neurosci** 1991;240(4–5):218–22 (80 ref.)

ETIOLOGY

Pathogenetic basis of vascular dementia. Wallin A, et al. **Alzheimer Dis Assoc Disord** 1991 Summer;5(2):91–102 (115 ref.)

Hypertension and the risk of dementia in the elderly. Forette F, et al. **Am J Med** 1991 Mar;90(3A):14S–19S (86 ref.)

[Neurological disorders disclosing auricular myxoma: 3 cases] Bonnefoi B, et al. **Rev Neurol (Paris)** 1990;146(8–9):508–10 (14 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

[Familial subcortical dementia with arteriopathic leukoencephalopathy. A clinico-pathological case] Davous P, et al. **Rev Neurol (Paris)** 1991;147(5):376–84 (38 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Dementia processes at an advanced age and changes in the subcortical substantia alba (leukoaerosis) (a review)] Medvedev AV, et al. **Zh Nevropatol Psikhiatr** 1991; 91(3):117–23 (106 ref.) **(Rus)**

4-DEMETHOXYDAUNORUBICIN see **IDARUBICIN**

DEMETHYL EPIPODOPHYLLOTOXIN ETHYLIDINE GLUCOSIDE see **ETOPOSIDE**

DEMETHYL EPIPODOPHYLLOTOXIN THENYLIDINE GLUCOSIDE see **TENIPOSIDE**

N-DEMETHYLASES see **OXIDOREDUCTASES, N-DEMETHYLATING**

DEMOGRAPHY

Changing demographics in the United States. Implications for health professionals. Frank-Stromborg M. **Cancer** 1991 Mar 15;67(6 Suppl):1772–8 (47 ref.)

DEMYELINATING DISEASES

CHEMICALLY INDUCED

[Neuropathy caused by metronidazole. Report of a case and review of the literature] Pita-Ramírez L, et al. **Rev Invest Clin** 1990 Oct-Dec;42(4):281–4 (20 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Research criteria for diagnosis of chronic inflammatory demyelinating polyneuropathy (CIDP). Report from an Ad Hoc Subcommittee of the American Academy of Neurology AIDS Task Force. **Neurology** 1991 May; 41(5):617–8 (0 ref.)

[Magnetic resonance tomography in white matter diseases] von Einsiedel HG. **Rontgenpraxis** 1991 Jul;44(7):193–9 (32 ref.) **(Ger)**

ETIOLOGY

Immune mechanisms in the pathogenesis of demyelinating diseases. Scolding N, et al. **Autoimmunity** 1989; 4(1–2):131–42 (92 ref.)

[A case of chronic demyelinating polyneuropathy with benign IgM anti-myelin-associated glycoprotein paraproteinenia—transient improvement with weekly plasmapheresis] Muramoto T, et al. **Rinsho Shinkeigaku** 1991 Jan;31(1):38–43 (19 ref.) (Eng. Abstr.) **(Jpn)**

[Myelin and the molecular basis of the process of demyelination (review of the literature)] Khokhlov AP, et al. **Zh Nevropatol Psikhiatr** 1990;90(8):104–9 (98 ref.) **(Rus)**

GENETICS

Modeling Schwann cell diseases in transgenic mice. Messing A. **Ann N Y Acad Sci** 1990;605:325–31 (48 ref.)

[Familial subcortical dementia with arteriopathic leukoencephalopathy. A clinico-pathological case] Davous P, et al. **Rev Neurol (Paris)** 1991;147(5):376–84 (38 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Antigenic properties of myelin and the role of myelin in pathology. Introductory remarks. Quagliariello E. **Acta Neurol (Napoli)** 1991 Apr;13(2):85–6 (0 ref.)

Autoimmune aspects of demyelinating diseases. Swanborg RH. **Immunol Ser** 1990;52:155–67 (71 ref.)

Astrocytes: auxiliary cells for immune responses in the central nervous system? Hertz L, et al. **Immunol Today** 1990 Aug; 11(8):265–8 (0 ref.)

MICROBIOLOGY

Experimental models of virus attenuation and demyelinating disease. Koolen MJ, et al. **Microbiol Sci** 1986 Mar; 3(3):68–73 (27 ref.)

PATHOLOGY

Aids dementia complex. On the relationship between HIV-1 infection, immune-mediated response and myelin damage in the brain. Mastroianni CM, et al. **Acta Neurol (Napoli)** 1991 Apr;13(2):184–7 (19 ref.)

Central nervous system myelin: structure, function, and pathology. Deber CM, et al. **Clin Biochem** 1991 Apr; 24(2):113–34 (248 ref.)

PHYSIOPATHOLOGY

Novel myelin glycoproteins and their possible involvement in demyelination. Glynn P. **Acta Neurol (Napoli)** 1991 Apr; 13(2):140–4 (11 ref.)

Demyelinating optic neuritis: clinical features and differential diagnosis. Francis DA. **Br J Hosp Med** 1991 Jun; 45(6):376–9 (19 ref.)

Hypothesis: antigen-specific T cells prime central nervous system endothelium for recruitment of nonspecific inflammatory cells to effect autoimmune demyelination. Cross AH, et al. **J Neuroimmunol** 1991 Sep;33(3):237–44 (45 ref.)

The pathogenesis of demyelinating disease: insights from cell biology. Compston A, et al. **Trends Neurosci** 1991 May; 14(5):175–82 (53 ref.)

SURGERY

Transplantation of glial cell cultures into areas of demyelination in the adult CNS. Blakemore WF, et al. **Prog Brain Res** 1990;82:225–32 (24 ref.)

DEMYELINATION see **DEMYELINATING DISEASES**

DENDRITES

PATHOLOGY

Dendritic and synaptic pathology in mental retardation. Huttenlocher PR. **Pediatr Neurol** 1991 Mar-Apr;7(2):79–85 (62 ref.)

PHYSIOLOGY

The neuronal growth cone as a specialized transduction system. Strittmatter SM, et al. **Bioessays** 1991 Mar; 13(3):127–34 (127 ref.)

Contributions of dendritic spines and perforated synapses to synaptic plasticity. Calverley RK, et al. **Brain Res Brain Res Rev** 1990 Sep-Dec;15(3):215–49 (298 ref.)

Development of the rodent cerebellum and synaptic re-formation of donor climbing terminals on spines of the host Purkinje dendrites after chemical deafferentation. Kawamura K, et al. **J Exp Biol** 1990 Oct;153:289–303 (34 ref.)

[Structure and function of dendrites] Pokorný J. **Cesk Fysiol** 1991;40(2):189–201 (62 ref.) **(Cze)**

ULTRASTRUCTURE

Growth cones: the mechanism of neurite advance. Gordon-Weeks PR. **Bioessays** 1991 May;13(5):235–9 (45 ref.)

The ultrastructure of the neuronal growth cone: new insights from subcellular fractionation and rapid freezing studies. Gordon-Weeks PR. **Electron Microsc Rev** 1988;1(2):201–19 (109 ref.)

DENDRITIC CELLS

CYTOLOGY

Accessory cells in normal human and rodent lymph nodes: morphology, phenotype, and functional implications. Wacker HH, et al. **Curr Top Pathol** 1990;84 (Pt 1):193–218 (102 ref.)

Follicular dendritic cells in germinal centre development. Rademakers LH. **Res Immunol** 1991 Mar-Apr; 142(3):257–60 (31 ref.)

IMMUNOLOGY

Pulmonary dendritic cells: sentinels of lung-associated lymphoid tissues [comment] Toews GB. **Am J Respir Cell Mol Biol** 1991 Mar;4(3):204–5 (6 ref.) Comment on: Am J Respir Cell Mol Biol 1991 Mar;4(3):210–8.

Monocytes, dendritic cells, and Langerhans cells in human immunodeficiency virus infection. Kalter DC, et al. **Dermatol Clin** 1991 Jul;9(3):415–28 (112 ref.)

Dendritic cells of the skin. Stingl G. **Dermatol Clin** 1990 Oct; 8(4):673–9 (46 ref.)

Lymphoid dendritic accessory cells of the rat. Klinkert WE. **Immunol Rev** 1990 Oct;117:103–20 (77 ref.)

Regulation of B-cell tolerance and triggering by macrophages and lymphoid dendritic cells. Phipps RP, et al. **Immunol Rev** 1990 Oct;117:135–58 (49 ref.)

Follicular dendritic cells as accessory cells. Tew JG, et al. **Immunol Rev** 1990 Oct;117:185–211 (64 ref.)

The follicular dendritic cell: possible regulatory roles of associated molecules. Dijkstra CD, et al. **Res Immunol** 1991 Mar-Apr;142(3):227–31 (41 ref.)

Significance of iccosomes in the germinal centre reaction. Szakal AK, et al. **Res Immunol** 1991 Mar-Apr;142(3):261–3 (9 ref.)

PATHOLOGY

Is there a link between dendrocytes, fibrosis and sclerosis? Piérard GE, et al. **Dermatologica** 1990;181(4):264–5 (16 ref.)

PHYSIOLOGY

Dendritic cells and the liver. van den Oord JJ, et al. **APMIS Suppl** 1991;23:68–76 (74 ref.)

[Pulmonary dendritic cells] Soler P, et al. **Rev Mal Respir** 1991;8(2):191–6 (24 ref.) (Eng. Abstr.) **(Fre)**

DENDRITIC CELLS, FOLLICULAR see **DENDRITIC CELLS**

DENERVATION

Pelvic denervation for chronic pain associated with endometriosis: fact or fancy? Vercellini P, et al. **Am J Obstet Gynecol** 1991 Sep;165(3):745–9 (51 ref.)

Development of the rodent cerebellum and synaptic re-formation of donor climbing terminals on spines of the host Purkinje dendrites after chemical deafferentation. Kawamura K, et al. **J Exp Biol** 1990 Oct;153:289–303 (34 ref.)

DENERVATION, AUTONOMIC see **SYMPATHECTOMY**

DENERVATION, SYMPATHETIC see **SYMPATHECTOMY**

DENGUE

DIAGNOSIS

Antigen and antibody detection and update on the diagnosis of dengue. Shope RE. **Southeast Asian J Trop Med Public Health** 1990 Dec; 21(4):642–5 (23 ref.)

EPIDEMIOLOGY

The role of monkeys in the biology of dengue and yellow fever. Rodhain F. **Comp Immunol Microbiol Infect Dis** 1991;14(1):9–19 (40 ref.)

MICROBIOLOGY

The dengue viruses. Henchal EA, et al. **Clin Microbiol Rev** 1990 Oct;3(4):376–96 (298 ref.)

DENGUE VIRUS

CLASSIFICATION

The dengue viruses. Henchal EA, et al. **Clin Microbiol Rev** 1990 Oct;3(4):376–96 (298 ref.)

DENIAL (PSYCHOLOGY)

[Denial and coronary disease. A reconsideration of the denial mechanism in psychosomatic diseases and particularly in coronary disease] Janne P, et al. **Ann Med Psychol (Paris)** 1990 Feb;148(2):165–78 (40 ref.) (Eng. Abstr.) **(Fre)**

DENS AXIS see **ODONTOID PROCESS**

DENSITOMETRY

Clinical use of bone densitometry. Johnston CC Jr, et al. **N Engl J Med** 1991 Apr 18;324(16):1105–9 (46 ref.)

METHODS

Standardization of the Feulgen reaction for absorption DNA image cytometry: a review. Schulte EK. **Anal Cell Pathol** 1991 May;3(3):167–82 (120 ref.)

Osteoporosis. Current techniques and recent developments in quantitative bone densitometry. Lang P, et al. **Radiol Clin North Am** 1991 Jan;29(1):49–76 (138 ref.)

DENSITOMETRY, X-RAY

Photon scattering—a 'new' source of information in medicine and biology? Speller RD, et al. **Phys Med Biol** 1991 Jan; 36(1):1–6 (20 ref.)

DENTAL ABRASION see **TOOTH ABRASION**

DENTAL ABUTMENTS

Endodontic considerations in restoration of partial overdenture abutments. Safavi KE, et al. **Dent Clin North Am** 1990 Oct;34(4):645–52 (20 ref.)

Design, preparation, and maintenance of overdenture abutments. Walters RA. **Dent Clin North Am** 1990 Oct; 34(4):631–44 (25 ref.)

[Extension bridges. A bibliographic evaluation and the clinical indications] Irato A, et al. **Minerva Stomatol** 1990 Nov;39(11):937–41 (48 ref.) (Eng. Abstr.) **(Ita)**

DENTAL ALLOYS

Alternative alloys for resin-bonded retainers. Lawson JR. **J Prosthet Dent** 1991 Jan;65(1):97–9 (43 ref.)

[Metal technology and materials in Edgewise technic] Hurez C. **Orthod Fr** 1990;61 Pt 1:95–119 (34 ref.) **(Fre)**

CHEMISTRY

Palladium alloys in prosthodontics: selected aspects. Böning K, et al. **Int Dent J** 1990 Oct;40(5):289–97 (12 ref.)

DENTAL AMALGAM

The dental amalgam issue. A review. Hanson M, et al. **Experientia** 1991 Jan 15;47(1):9–22 (139 ref.)
Prediction of amalgam restoration longevity. Smales RJ, et al. **J Dent** 1991 Feb;19(1):18–23 (33 ref.)
Retention design for amalgam restorations: pins versus slots. Bailey JH. **J Prosthet Dent** 1991 Jan;65(1):71–4 (11 ref.)
Why amalgam? Hood JA. **N Z Dent J** 1991 Apr;87(388):36–9 (16 ref.)
Alternatives to amalgam—the role of bonded porcelain. Ironside JG. **N Z Dent J** 1991 Apr;87(388):46–8 (9 ref.)
The composite resin inlay as an alternative to amalgam. Martin FE. **N Z Dent J** 1991 Apr;87(388):43–5 (15 ref.)
Reasons for replacement of Class II amalgam restorations in private practice. Allander L, et al. **Swed Dent J** 1990; 14(4):179–84 (13 ref.)

ADVERSE EFFECTS

Allergy to dental materials with special reference to the use of amalgam and polymethylmethacrylate. Kaaber S. **Int Dent J** 1990 Dec;40(6):359–65 (58 ref.)
Reactions of the oral mucosa related to silver amalgam: a review. Holmstrup P. **J Oral Pathol Med** 1991 Jan;20(1):1–7 (86 ref.)
Does mercury from amalgam restorations constitute a health hazard? Weiner JA, et al. **Sci Total Environ** 1990 Dec 1; 99(1–2):1–22 (174 ref.)

CHEMISTRY

Dental amalgam. I: Conventional and non-gamma-2 amalgams. Städtler P. **Int J Clin Pharmacol Ther Toxicol** 1991 Apr;29(4):161–3 (67 ref.)
Dental amalgam. II: Exposure to mercury. Städtler P. **Int J Clin Pharmacol Ther Toxicol** 1991 Apr;29(4):164–7 (67 ref.)

HISTORY

[Mercury in medicine and dentistry. Historical reflection] Løkken P, et al. **Tidsskr Nor Laegeforen** 1991 Aug 10; 111(18):2235–7 (19 ref.) **(Nor)**

POISONING

Dental amalgam. III: Toxicity. Städtler P. **Int J Clin Pharmacol Ther Toxicol** 1991 Apr;29(4):168–71 (67 ref.)
On amalgam toxicity. Glantz PO, et al. **Int J Technol Assess Health Care** 1990;6(3):363–8 (51 ref.)

TOXICITY

[Is amalgam harmful to patients?] Moszczyński P, et al. **Wiad Lek** 1990 Dec 1–15;43(23–24):1136–42 (48 ref.) (Eng. Abstr.) **(Pol)**

DENTAL ANESTHESIA see **ANESTHESIA, DENTAL**

DENTAL ARCH

ANATOMY & HISTOLOGY

Shortened dental arches and masticatory ability. Witter DJ, et al. **J Dent** 1990 Aug;18(4):185–9 (47 ref.)

PATHOLOGY

Stability and relapse of dental arch alignment. Little RM. **Br J Orthod** 1990 Aug;17(3):235–41 (10 ref.)

PHYSIOLOGY

[The development and perspectives of the Edgewise technic. The biomechanics of the continuous arch] Garcia R. **Orthod Fr** 1990;61 Pt 1:59–93 (98 ref.) **(Fre)**

DENTAL ATTRITION see **TOOTH ABRASION**

DENTAL AUXILIARIES

The global challenge of hepatitis B: implications for dentistry. Cottone JA. **Int Dent J** 1991 Jun;41(3):131–41 (56 ref.)

DENTAL BONDING

A comparison of three bracket bases: an in vitro study. Smith NR, et al. **Br J Orthod** 1991 Feb;18(1):29–35 (16 ref.)
Current status of adhesive resin systems. Barkmeier WW, et al. **J Am Coll Dent** 1991 Summer;58(2):36–9 (29 ref.)
An analysis of clinical studies on resin-bonded bridges. Creugers NH, et al. **J Dent Res** 1991 Feb;70(2):146–9 (29 ref.)
Alternative alloys for resin-bonded retainers. Lawson JR. **J Prosthet Dent** 1991 Jan;65(1):97–9 (43 ref.)
Alternatives to amalgam—the role of bonded porcelain. Ironside JG. **N Z Dent J** 1991 Apr;87(388):46–8 (9 ref.)

METHODS

Dentin bonding systems: a review of current products and techniques. Johnson GH, et al. **J Am Dent Assoc** 1991 Jul; 122(8):34–41 (43 ref.)

DENTAL BRIDGEWORK see **DENTURE, PARTIAL**

DENTAL CALCULUS

see related
DENTAL PROPHYLAXIS

PREVENTION & CONTROL

The effects of tartar-control toothpaste on the oral soft tissues. Kowitz G, et al. **Oral Surg Oral Med Oral Pathol** 1990 Oct;70(4):529–36 (30 ref.)

DENTAL CARE

see related
COMPREHENSIVE DENTAL CARE

Measurement of oral status and treatment need among subjects with dental prostheses: are the measures less reliable than the prostheses? Part II: Treatment need in removable prosthodontics. Gordon SR. **J Prosthet Dent** 1991 Jun;65(6):801–3 (22 ref.)
Psychologic facets of esthetic dental health care: a developmental perspective. Levinson NA. **J Prosthet Dent** 1990 Oct;64(4):486–91 (43 ref.)
Dental chair apoplexy. Cawley CM 3d, et al. **South Med J** 1991 Jul;84(7):907–9 (12 ref.)
[Microbiologic diagnosis, antibacterial chemotherapy and prevention in dental care—a review] Handrick W, et al. **Z Arztl Fortbild (Jena)** 1991 Apr 25;85(8):353–8 (57 ref.) **(Ger)**

ECONOMICS

The perspectives of federal programs. Adelson R. **J Am Coll Dent** 1991 Summer;58(2):26–30 (34 ref.)

METHODS

Managing common dental problems and emergencies. Josell SD, et al. **Pediatr Clin North Am** 1991 Oct;38(5):1325–42 (38 ref.)

PSYCHOLOGY

Estimating the prevalence of dental phobias. Francis RD, et al. **Aust Dent J** 1990 Oct;35(5):449–53 (20 ref.)
Considerations in behavior management of the pediatric dental patient. Helping children cope with dental treatment. Musselman RJ. **Pediatr Clin North Am** 1991 Oct; 38(5):1309–24 (31 ref.)

STANDARDS

Development and validation of a consumer quality assessment instrument for dentistry. Johnson JD, et al. **J Dent Educ** 1990 Nov;54(11):644–52 (55 ref.)
[Dentistry in developing countries] Nilsen R. **Tidsskr Nor Laegeforen** 1991 Jun 30;111(17):2107–9 (24 ref.) (Eng. Abstr.) **(Nor)**

DENTAL CARE FOR AGED

Challenges associated with drug use in the elderly: implications for dentistry. Grymonpre R, et al. **J Can Dent Assoc** 1991 Mar;57(3):203–7 (42 ref.)

DENTAL CARE FOR HANDICAPPED

The use of antibiotics in the prevention of post-operative infection: a re-appraisal [see comments] Longman LP, et al. **Br Dent J** 1991 Apr 6;170(7):257–62 (55 ref.) Comment in: Br Dent J 1991 May 25;170(10):365.
An ABC of oral health care in patients with HIV infection. Scully C, et al. **Br Dent J** 1991 Feb 23;170(4):149–50 (18 ref.)
Antibiotic prophylaxis for dental patients with joint prostheses? A decision analysis. Jacobson JJ, et al. **Int J Technol Assess Health Care** 1990;6(4):569–87 (60 ref.)
Facts about AIDS for the dental team. **J Am Dent Assoc** 1991 Jul;Suppl:1–14 (46 ref.)
Potentially fatal hereditary angioedema: a review and case report. Hardie J, et al. **J Can Dent Assoc** 1990 Dec; 56(12):1096–9 (16 ref.)
Mitral valve prolapse: a review of the syndrome with emphasis on current antibiotic prophylaxis [published erratum appears in J Can Dent Assoc 1991 Jun;57(6):436] Sandor GK, et al. **J Can Dent Assoc** 1991 Apr;57(4):321–5 (24 ref.)
The myelodysplastic syndromes. Case report and review. Flint SR, et al. **Oral Surg Oral Med Oral Pathol** 1990 Nov; 70(5):579–83 (39 ref.)
Dental management of the patient with major depression. Friedlander AH, et al. **Oral Surg Oral Med Oral Pathol** 1991 May;71(5):573–8 (74 ref.)

DENTAL CARE PLANS see **INSURANCE, DENTAL**

DENTAL CARIES

see related
CARIOGENIC AGENTS
CARIOSTATIC AGENTS

DIAGNOSIS

Use of dyes in cariology. van de Rijke JW. **Int Dent J** 1991 Apr;41(2):111–6 (53 ref.)

EPIDEMIOLOGY

Epidemiology of dental caries. Winter GB. **Arch Oral Biol** 1990;35 Suppl:1S–7S (87 ref.)
Caries status in Europe and predictions of future trends. **Caries Res** 1990;24(6):381–96 (93 ref.)
Diet and caries in high-risk groups in developed and developing countries. Holm AK. **Caries Res** 1990;24 Suppl 1:44–52; discussion 53–8 (73 ref.)
Changes in the prevalence of dental caries: how much can be attributed to changes in diet? Marthaler TM. **Caries Res** 1990;24 Suppl 1:3–15; discussion 16–25 (92 ref.)
Prevalence of dental caries and enamel defects in children living in areas with different water fluoride concentrations. Angelillo IF, et al. **Community Dent Health** 1990 Sep; 7(3):229–36 (30 ref.)
Statistical management of data in clinical research. Fleiss JL, et al. **Crit Rev Oral Biol Med** 1990;1(1):55–66 (44 ref.)
Caries in the preschool child: international trends. Holm AK. **J Dent** 1990 Dec;18(6):291–5 (27 ref.)
A critique of topical fluoride methods (dentifrices, mouthrinses, operator-, and self-applied gels) in an era of decreased caries and increased fluorosis prevalence. Ripa LW. **J Public Health Dent** 1991 Winter;51(1):23–41 (185 ref.)
[Caries susceptibility and caries resistance in a sample of 8140 military conscripts. The clinico-epidemiological considerations] Bianchi S, et al. **Minerva Stomatol** 1991 Mar;40(3):175–87 (32 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Why free sugars consumption should be below 15 kg per person per year in industrialised countries: the dental evidence. Sheiham A. **Br Dent J** 1991 Jul 20;171(2):63–5 (49 ref.)
Behavioural aspects of dietary habits and dental caries. Birkhed D. **Caries Res** 1990;24 Suppl 1:27–35; discussion 36–42 (55 ref.)
Caries in the preschool child: aetiology. Davenport ES. **J Dent** 1990 Dec;18(6):300–3 (34 ref.)
Nutritional status and dental caries. **Nutr Rev** 1991 May; 49(5):158–60 (9 ref.)
Occlusal features and caries experience. Palin-Palokas T, et al. **Proc Finn Dent Soc** 1990;86(2):77–82 (32 ref.)
Sorbitol and dental caries. Birkhed D, et al. **World Rev Nutr Diet** 1991;65:1–37 (184 ref.)
[Sugar and caries] Ketterl W. **Z Ernahrungswiss** 1990;29 Suppl 1:11–5 (12 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Development and outlook for a caries vaccine. Michalek SM, et al. **Crit Rev Oral Biol Med** 1990;1(1):37–54 (195 ref.)

METABOLISM

A review of quantitative methods for studies of mineral content of intra-oral caries lesions. Ten Bosch JJ, et al. **J Dent Res** 1991 Jan;70(1):2–14 (98 ref.)

MICROBIOLOGY

Invasion of bacteria in enamel carious lesions. McCabe RP, et al. **J Can Dent Assoc** 1991 May;57(5):403–5 (28 ref.)
Salivary lysozyme, lactoferrin and peroxidases: antibacterial effects on cariogenic bacteria and clinical applications in preventive dentistry. Tenovuo J, et al. **Proc Finn Dent Soc** 1991;87(2):197–208 (85 ref.)

PREVENTION & CONTROL

The effect of cheese on dental caries: a review of the literature. Herod EL. **Aust Dent J** 1991 Apr;36(2):120–5 (41 ref.)
Development and outlook for a caries vaccine. Michalek SM, et al. **Crit Rev Oral Biol Med** 1990;1(1):37–54 (195 ref.)
Pit and fissure sealants. An underutilized preventive technology. Cohen LD. **Int J Technol Assess Health Care** 1990;6(3):378–91 (74 ref.)
Education and diet in the prevention of caries in the preschool child. Holm AK. **J Dent** 1990 Dec;18(6):308–14 (11 ref.)
Fluoride in the prevention of caries in the preschool child. Rugg-Gunn AJ. **J Dent** 1990 Dec;18(6):304–7 (16 ref.)
Dental caries vaccine: some problems solved? Everhart DL, et al. **Microbiol Sci** 1985 Oct;2(10):312–3 (22 ref.)
Preventive oral health care for the infant, child, and adolescent. Griffen AL, et al. **Pediatr Clin North Am** 1991 Oct;38(5):1209–26 (23 ref.)
[Dental fluoride prophylaxis: the chemical and bacteriological aspects] Fagnoni V, et al. **Minerva Stomatol** 1990 Sep;39(9):739–43 (14 ref.) (Eng. Abstr.) **(Ita)**
[Caries prevention in the child (II): fluoride, diet, hygiene

and health education] Vitoria Miñana I, et al. **An Esp Pediatr** 1991 Apr;34(4):299–304 (47 ref.) **(Spa)**

RADIOGRAPHY

A reappraisal of the value of the bitewing radiograph in the diagnosis of posterior approximal caries. Kidd EA, et al. **Br Dent J** 1990 Oct 6;169(7):195–200 (40 ref.)

THERAPY

Minimal treatment of the carious lesion. Mount GJ. **Int Dent J** 1991 Feb;41(1):55–9 (19 ref.)

DENTAL CARIES SUSCEPTIBILITY

[Caries susceptibility and caries resistance in a sample of 8140 military conscripts. The clinico–epidemiological considerations] Bianchi S, et al. **Minerva Stomatol** 1991 Mar;40(3):175–87 (32 ref.) (Eng. Abstr.) **(Ita)**

DENTAL CAVITY LINING

see related
CALCIUM HYDROXIDE

METHODS

Materials techniques for lining composite resin restorations: a critical approach. Brännström M, et al. **J Dent** 1991 Apr; 19(2):71–9 (61 ref.)

DENTAL CAVITY PREPARATION

Design, preparation, and maintenance of overdenture abutments. Walters RA. **Dent Clin North Am** 1990 Oct; 34(4):631–44 (25 ref.)

Biomechanics of the intact, prepared and restored tooth: some clinical implications. Hood JA. **Int Dent J** 1991 Feb; 41(1):25–32 (30 ref.)

Gingival margins for crowns: a review and discussion. Part II: Discrepancies and configurations. Hunter AJ, et al. **J Prosthet Dent** 1990 Dec;64(6):636–42 (82 ref.)

Gingival crown margin configurations: a review and discussion. Part I: Terminology and widths. Hunter AJ, et al. **J Prosthet Dent** 1990 Nov;64(5):548–52 (59 ref.)

METHODS

Retention design for amalgam restorations: pins versus slots. Bailey JH. **J Prosthet Dent** 1991 Jan;65(1):71–4 (11 ref.)

DENTAL CEMENTS

Dentin bonding systems: a review of current products and techniques. Johnson GH, et al. **J Am Dent Assoc** 1991 Jul; 122(8):34–41 (43 ref.)

DENTAL CEMENTUM

ENZYMOLOGY

The possible role of alkaline phosphatase in acellular cementum formation. Beertsen W, et al. **J Biol Buccale** 1990 Sep;18(3):203–5 (10 ref.)

DENTAL CROWNS see **CROWNS**

DENTAL DEPOSITS

THERAPY

Role of toothpastes in the cleaning of teeth. Forward GC. **Int Dent J** 1991 Jun;41(3):164–70 (32 ref.)

DENTAL EDUCATION see **EDUCATION, DENTAL**

DENTAL EDUCATION, CONTINUING see **EDUCATION, DENTAL, CONTINUING**

DENTAL EDUCATION, GRADUATE see **EDUCATION, DENTAL, GRADUATE**

DENTAL ENAMEL

see related
AMELOBLASTS
AMELOGENESIS

ABNORMALITIES

Enamel defects in a fluoridated south–east Asian community. Chellappah NK, et al. **Aust Dent J** 1990 Dec;35(6):530–5 (28 ref.)

Prevalence of dental caries and enamel defects in children living in areas with different water fluoride concentrations. Angelillo IF, et al. **Community Dent Health** 1990 Sep; 7(3):229–36 (30 ref.)

Occlusal features and caries experience. Palin–Palokas T, et al. **Proc Finn Dent Soc** 1990;86(2):77–82 (32 ref.)

CHEMISTRY

A review of quantitative methods for studies of mineral content of intra–oral caries lesions. Ten Bosch JJ, et al. **J Dent Res** 1991 Jan;70(1):2–14 (98 ref.)

DRUG EFFECTS

Mechanistic aspects of the interactions between fluoride and dental enamel. ten Cate JM, et al. **Crit Rev Oral Biol Med** 1991;2(3):283–96 (136 ref.)

PHYSIOPATHOLOGY

[Enamel and dentinal changes in pulpitis and in pulpectomized teeth] Grechishnikov VI. **Stomatologiia (Mosk)** 1990 Jul–Aug;(4):91–3 (55 ref.) **(Rus)**

ULTRASTRUCTURE

Human enamel structure studied by high resolution electron microscopy. Wen SL. **Electron Microsc Rev** 1989;2(1):1–16 (26 ref.)

DENTAL EQUIPMENT

Dental equipment asepsis. Young JM. **Dent Clin North Am** 1991 Apr;35(2):391–413 (13 ref.)

Infection control of field dental units. McCarthy MF, et al. **Milit Med** 1991 Jan;156(1):5–8 (27 ref.)

[Protective gloves. Proven protective measures with a new look] Baumann MA. **Schweiz Monatsschr Zahnmed** 1991; 101(5):596–609 (15 ref.) **(Ger, Fre)**

STANDARDS

[Ergonomics and health risks for the dentists: overview] Micholt F. **Rev Belge Med Dent** 1990;45(2):17–33 (22 ref.) (Eng. Abstr.) **(Fre)**

DENTAL FILLINGS, PERMANENT see **DENTAL RESTORATION, PERMANENT**

DENTAL FOCAL INFECTION see **FOCAL INFECTION, DENTAL**

DENTAL HEALTH EDUCATION see **HEALTH EDUCATION, DENTAL**

DENTAL HEALTH SERVICES

Are minority children getting their fair share of dental services? Waldman HB. **ASDC J Dent Child** 1990 Sep–Oct; 57(5):380–4 (7 ref.)

A study to determine oral health needs of institutionalised elderly patients by non dental health care workers. Hoad–Reddick G. **Community Dent Oral Epidemiol** 1991 Aug;19(4):233–6 (20 ref.)

Oral health education and promotion in maternal and child health: a position paper. Frazier PJ, et al. **J Public Health Dent** 1990;50(6 Spec No):390–5 (34 ref.)

Documentation and evaluation in oral health services. Mecklenburg R. **J Public Health Dent** 1990;50(6 Spec No):439–46 (25 ref.)

Maternal and child oral health issues: research. Weintraub JA. **J Public Health Dent** 1990;50(6 Spec No):447–55 (38 ref.)

[Dentistry in developing countries] Nilsen R. **Tidsskr Nor Laegeforen** 1991 Jun 30;111(17):2107–9 (24 ref.) (Eng. Abstr.) **(Nor)**

ECONOMICS

Resources for improving the oral health of maternal and child populations [published erratum appears in J Public Health Dent 1991 Spring;51(2):68] Johnson K, et al. **J Public Health Dent** 1990;50(6 Spec No):418–26 (23 ref.)

STANDARDS

Standards in maternal and child oral health. Wilson AA. **J Public Health Dent** 1990;50(6 Spec No):432–8 (26 ref.)

DENTAL HEALTH SURVEYS

[Clinical indices in periodontal diagnosis. A review] Zafiropoulos GG, et al. **Dtsch Zahn Mund Kieferheilkd Zentralbl** 1991;79(2):125–40 (64 ref.) (Eng. Abstr.) **(Ger)**

DENTAL HYGIENE see **DENTAL PROPHYLAXIS**

DENTAL HYGIENISTS

[Mercury in the dental office. Risk evaluation of the occupational environment in dental care] Bjørklund G. **Tidsskr Nor Laegeforen** 1991 Mar 20;111(8):948–51 (26 ref.) (Eng. Abstr.) **(Nor)**

DENTAL IMPLANTATION

Dental implants. State of the art, state of the science. Schnitman PA. **Int J Technol Assess Health Care** 1990; 6(4):528–44 (109 ref.)

Current concepts of the role of fibroblasts and extracellular matrix in wound healing and their relevance to oral implantology. Sloan P. **J Dent** 1991 Apr;19(2):107–9 (13 ref.)

Implant dentistry, the specialty. Guaccio RA. **N Y State Dent J** 1991 Jun–Jul;57(6):48–51 (0 ref.)

ECONOMICS

Cost–benefit evaluation of dental implants. Jönsson B, et al. **Int J Technol Assess Health Care** 1990;6(4):545–57 (37 ref.)

DENTAL IMPLANTATION, ENDOSSEOUS

Removable partial overdentures with natural root structure and osseointegrated fixtures. Jackson TR. **Dent Clin North Am** 1990 Oct;34(4):711–28 (16 ref.)

Bone growth around dental implants. Weinlaender M. **Dent Clin North Am** 1991 Jul;35(3):585–601 (48 ref.)

Implants in relation to natural teeth. Klinge B. **J Clin Periodontol** 1991 Jul;18(6):482–7 (25 ref.)

The rehabilitation of oral defects by osseointegrated implants. van Steenberghe D, et al. **J Clin Periodontol** 1991 Jul; 18(6):488–93 (36 ref.)

Titanium endosseous implant–soft tissue interface: a literature review. Donley TG, et al. **J Periodontol** 1991 Feb; 62(2):153–60 (50 ref.)

A retrospective analysis of one implant system in an oral surgery practice. Phase I: Patient satisfaction. Clancy JM, et al. **J Prosthet Dent** 1991 Feb;65(2):265–71 (12 ref.)

The tridimensional biblade implant reentry system. Barfield DJ, et al. **N Y State Dent J** 1991 Jun–Jul;57(6):40–3 (2 ref.)

Clinical evaluation of a single crystal sapphire tooth implant in human beings. Sclaroff A, et al. **Oral Surg Oral Med Oral Pathol** 1990 Aug;70(2):141–6 (6 ref.)

[Questions of principle and practice concerning the use of Diakor aluminum oxide in bioceramical oral endosseous implantation. III. Surgical intervention] Divinyi T, et al. **Fogorv Sz** 1991 Apr;84(4):97–103 (15 ref.) (Eng. Abstr.) **(Hun)**

METHODS

Clinical aspects of oral implantology. Peltola J, et al. **Proc Finn Dent Soc** 1991;87(2):271–86 (60 ref.)

[General aspects of planning fixed dentures on implants] Szöllösi K, et al. **Fogorv Sz** 1991 Jan;84(1):7–9 (19 ref.) (Eng. Abstr.) **(Hun)**

DENTAL IMPLANTATION, OSSEOINTEGRATED see **DENTAL IMPLANTATION, ENDOSSEOUS**

DENTAL IMPLANTATION, SUBPERIOSTEAL

Implant treatment of the severely atrophic mandible. Wagner JR. **N Y State Dent J** 1991 Jun–Jul;57(6):44–7 (15 ref.)

DENTAL IMPLANTS

Healing and repair of osseous defects. Bernard GW. **Dent Clin North Am** 1991 Jul;35(3):469–77 (47 ref.)

Removable partial overdentures with natural root structure and osseointegrated fixtures. Jackson TR. **Dent Clin North Am** 1990 Oct;34(4):711–28 (16 ref.)

The treatment of interproximal vertical bony defects with porous hydroxyapatite. Kenney EB, et al. **Dent Clin North Am** 1991 Jul;35(3):541–53 (29 ref.)

Alloplastic materials in reconstructive periodontal surgery. Shetty V, et al. **Dent Clin North Am** 1991 Jul;35(3):521–30 (41 ref.)

Bone growth around dental implants. Weinlaender M. **Dent Clin North Am** 1991 Jul;35(3):585–601 (48 ref.)

Preventive implantations. Denissen HW, et al. **Int Dent J** 1991 Feb;41(1):17–24 (12 ref.)

Dental implants. State of the art, state of the science. Schnitman PA. **Int J Technol Assess Health Care** 1990; 6(4):528–44 (109 ref.)

An overview of implant hardware [published erratum appears in J Am Dent Assoc 1990 Nov;121(5):582] English C. **J Am Dent Assoc** 1990 Sep;121(3):360, 364, 366 passim (0 ref.)

Dental implant biomaterials. Lemons JE. **J Am Dent Assoc** 1990 Dec;121(6):716–9 (19 ref.)

Dental implants: materials and design. Pilliar RM. **J Can Dent Assoc** 1990 Sep;56(9):857–61 (48 ref.)

State of the art in oral implants. Albrektsson T, et al. **J Clin Periodontol** 1991 Jul;18(6):474–81 (57 ref.)

Implants in relation to natural teeth. Klinge B. **J Clin Periodontol** 1991 Jul;18(6):482–7 (25 ref.)

The rehabilitation of oral defects by osseointegrated implants. van Steenberghe D, et al. **J Clin Periodontol** 1991 Jul; 18(6):488–93 (36 ref.)

Titanium endosseous implant–soft tissue interface: a literature review. Donley TG, et al. **J Periodontol** 1991 Feb; 62(2):153–60 (50 ref.)

A comparison of mandibular denture base extension in conventional and implant–retained dentures. Arbree NS, et al. **J Prosthet Dent** 1991 Jan;65(1):108–11 (11 ref.)

A retrospective analysis of one implant system in an oral surgery practice. Phase I: Patient satisfaction. Clancy JM, et al. **J Prosthet Dent** 1991 Feb;65(2):265–71 (12 ref.)

The tridimensional biblade implant reentry system. Barfield DJ, et al. **N Y State Dent J** 1991 Jun–Jul;57(6):40–3 (2 ref.)

Clinical realities of endosseous blade vent implants. Barfield DJ, et al. **N Y State Dent J** 1991 Jun–Jul;57(6):36–9 (0

DENTAL IMPLANTS

ref.)
Clinical evaluation of a single crystal sapphire tooth implant in human beings. Sclaroff A, et al.
Oral Surg Oral Med Oral Pathol 1990 Aug;70(2):141–6 (6 ref.)
Clinical aspects of oral implantology. Peltola J, et al.
Proc Finn Dent Soc 1991;87(2):271–86 (60 ref.)
Ultrastructural investigations of the bone and fibrous connective tissue interface with endosteal dental implants. Steflik DE, et al. **Scanning Microsc** 1990 Dec;4(4):1039–47; discussion on 1047–8 (22 ref.)
Scanning electron microscopic studies of the oral tissue responses to dental implants. Steflik DE, et al.
Scanning Microsc 1990 Dec;4(4):1021–37; discussion 1037–8 (61 ref.)

ECONOMICS

Cost–benefit evaluation of dental implants. Jönsson B, et al.
Int J Technol Assess Health Care 1990;6(4):545–57 (37 ref.)

DENTAL IMPRESSION MATERIALS

see related
SILICONE ELASTOMERS

DENTAL INLAYS see **INLAYS**

DENTAL INSTRUMENTS

Sterilization. Disciplined microbial control. Miller CH.
Dent Clin North Am 1991 Apr;35(2):339–55 (37 ref.)

DENTAL MATERIALS

see related
DENTAL BONDING
INLAYS
The failed restoration: causes of failure and how to prevent them. McLean JW. **Int Dent J** 1990 Dec;40(6):354–8 (11 ref.)
New materials on the horizon. Simonsen RJ.
J Am Dent Assoc 1991 Jul;122(8):24–31 (23 ref.)
Current research in operative materials and techniques and its future impact. Stangel I. **J Can Dent Assoc** 1991 Jul; 57(7):579–83 (61 ref.)
Calcium hydroxide in restorative dentistry. Milosevic A.
J Dent 1991 Feb;19(1):3–13 (122 ref.)
Dental materials: 1989 literature review. van Noort R, et al. **J Dent** 1990 Dec;18(6):327–52 (290 ref.)
Current views on biological testing of restorative materials. Mjör IA. **J Oral Rehabil** 1990 Nov;17(6):503–7 (28 ref.)
[Metal technology and materials in Edgewise technic] Hurez C. **Orthod Fr** 1990;61 Pt 1:95–119 (34 ref.) **(Fre)**

CHEMISTRY

Fatigue and wear of dental materials. Reid CN, et al.
J Dent 1990 Aug;18(4):209–15 (31 ref.)
[6 dentin adhesive products subjected to controls in vitro] Neroni M, et al. **J Biol Buccale** 1990 Dec;18(4):271–85 (47 ref.) (Eng. Abstr.) **(Fre)**

STANDARDS

Dental materials science—the maintenance of standards. Tyas MJ. **J Oral Rehabil** 1991 Mar;18(2):105–10 (22 ref.)

DENTAL MEDICAID PROGRAM see **MEDICAID**

DENTAL OCCLUSION

see related
JAW RELATION RECORD
MALOCCLUSION
Occlusion for the Class III jaw relations patient. Jensen WO.
J Prosthet Dent 1990 Nov;64(5):566–8 (4 ref.)
Occlusion for the Class II jaw relations patient. Jensen WO.
J Prosthet Dent 1990 Oct;64(4):432–4 (6 ref.)
Anterior guidance: group function/canine guidance. A literature review. Thornton LJ. **J Prosthet Dent** 1990 Oct; 64(4):479–82 (57 ref.)
Temporomandibular symptoms and occlusion: a review of the literature & the concept. Lipp MJ.
N Y State Dent J 1990 Nov;56(9):58–66 (64 ref.)
Identifying normal and abnormal development of dental occlusion. Smith RJ. **Pediatr Clin North Am** 1991 Oct; 38(5):1149–71 (126 ref.)
[The role of occlusion and articulation in craniomandibular dysfunction] De Laat A. **Rev Belge Med Dent** 1990; 45(4):20–9 (47 ref.) (Eng. Abstr.) **(Fre)**
[Occlusion in the etiology of craniomandibular disorders. Current directions] Carossa S, et al. **Minerva Stomatol** 1991 Jan–Feb;40(1–2):23–8 (41 ref.) (Eng. Abstr.) **(Ita)**

DENTAL OCCLUSION, BALANCED

Alternate occlusal schemes. Jensen WO. **J Prosthet Dent** 1991 Jan;65(1):54–5 (5 ref.)

DENTAL OFFICES

Infection control of in-office dental laboratories. King AH, et al. **Dent Clin North Am** 1991 Apr;35(2):415–26 (18 ref.)
Role of disinfectants in infection control. Molinari JA, et al. **Dent Clin North Am** 1991 Apr;35(2):323–37 (22 ref.)
Hazardous waste management. Schaefer ME.
Dent Clin North Am 1991 Apr;35(2):383–90 (8 ref.)
[Mercury in the dental office. Risk evaluation of the occupational environment in dental care] Bjørklund G.
Tidsskr Nor Laegeforen 1991 Mar 20;111(8):948–51 (26 ref.) (Eng. Abstr.) **(Nor)**

ECONOMICS

Infection control and hazards management. Economics of regulatory compliance. Runnells RR.
Dent Clin North Am 1991 Apr;35(2):427–38 (13 ref.)

DENTAL ONLAYS see **DENTURE, OVERLAY**

DENTAL PINS

Retention design for amalgam restorations: pins versus slots. Bailey JH. **J Prosthet Dent** 1991 Jan;65(1):71–4 (11 ref.)

DENTAL PLAQUE

Non–plaque related periodontal lesions. An overview of some common and uncommon lesions. van der Waal I.
J Clin Periodontol 1991 Jul;18(6):436–40 (33 ref.)

DRUG THERAPY

The impact of chemotherapeutic agents on treatment planning. Ciancio SG. **J Can Dent Assoc** 1990;56(7 Suppl):37–9 (24 ref.)
Sanguinaria toothpaste and oral rinse regimen clinical efficacy in short– and long–term trials. Kuftinec MM, et al. **J Can Dent Assoc** 1990;56(7 Suppl):31–3 (37 ref.)
New perspectives on Sanguinaria clinicals: individual toothpaste and oral rinse testing. Laster LL, et al.
J Can Dent Assoc 1990;56(7 Suppl):19–30 (24 ref.)
[The use of antiseptic agents for the chemical control of dental plaque] Aulitto L, et al. **Minerva Stomatol** 1991 Jan–Feb;40(1–2):29–35 (69 ref.) (Eng. Abstr.) **(Ita)**

MICROBIOLOGY

Utilization of nitrogenous compounds by oral bacteria. Rogers AH. **Aust Dent J** 1990 Oct;35(5):468–71 (16 ref.)
Dental bacterial plaques. Nature and role in periodontal disease. Christersson LA, et al. **J Clin Periodontol** 1991 Jul;18(6):441–6 (52 ref.)
Plaque and chronic inflammatory periodontal disease. A question of ecology. Newman HN. **J Clin Periodontol** 1990 Sep;17(8):533–41 (132 ref.)
Associations between subgingival plaque bacterial morphotypes and clinical indices? Omar AA, et al.
J Clin Periodontol 1991 Aug;18(7):555–66 (61 ref.)
Specific antibody responses to subgingival plaque bacteria as aids to the diagnosis and prognosis of destructive periodontitis. Wilton JM, et al. **J Clin Periodontol** 1991 Jan;18(1):1–15 (77 ref.)

PREVENTION & CONTROL

Anti–plaque dentifrices: current status and prospects. van der Ouderaa F, et al. **Int Dent J** 1991 Apr;41(2):117–23 (41 ref.)
Periodontics in general practice: professional plaque control [see comments] Greenwell H, et al. **J Am Dent Assoc** 1990 Nov;121(5):642–6 (32 ref.) Comment in: J Am Dent Assoc 1991 Jan;122(1):28.
Zinc citrate/Triclosan: a new anti–plaque system for the control of plaque and the prevention of gingivitis: short–term clinical and mode of action studies. Cummins D. **J Clin Periodontol** 1991 Jul;18(6):455–61 (45 ref.)
Dentifrices containing new agents for the control of plaque and gingivitis: microbiological aspects. Marsh PD.
J Clin Periodontol 1991 Jul;18(6):462–7 (53 ref.)
Anti–plaque agents. Rationale and prospects for prevention of gingivitis and periodontal disease. van der Ouderaa FJ.
J Clin Periodontol 1991 Jul;18(6):447–54 (96 ref.)
[Chemical control of plaque: comparative review] Marechal M. **Rev Belge Med Dent** 1991;46(2):51–8 (26 ref.) (Eng. Abstr.) **(Fre)**

DENTAL PORCELAIN

Dental ceramics—an update. Piddock V, et al. **J Dent** 1990 Oct;18(5):227–35 (94 ref.)
Advantages and limitations in the use of porcelain veneer restorations. Sheets CG, et al. **J Prosthet Dent** 1990 Oct; 64(4):406–11 (22 ref.)
Alternatives to amalgam—the role of bonded porcelain Ironside JG. **N Z Dent J** 1991 Apr;87(388):46–8 (9 ref.)
[Porcelain repairs. A review of the literature and practical tips for porcelain repairs on VMK (metal–ceramic) reconstructions] Brönnimann R, et al.
Schweiz Monatsschr Zahnmed 1991;101(6):762–73 (28 ref.) **(Ger, Fre)**

CHEMISTRY

The strength of dental ceramics. Messer PF, et al.
J Dent 1991 Feb;19(1):51–5 (29 ref.)

DENTAL PROPHYLAXIS

Periodontal therapy: reviewing subgingival irrigations and future considerations. Goodman CH, et al.
J Am Dent Assoc 1990 Oct;121(4):541–3 (30 ref.)

STANDARDS

Periodontics in general practice: professional plaque control [see comments] Greenwell H, et al. **J Am Dent Assoc** 1990 Nov;121(5):642–6 (32 ref.) Comment in: J Am Dent Assoc 1991 Jan;122(1):28.

DENTAL PROSTHESIS see **DENTURES**

DENTAL PROSTHESIS DESIGN see **DENTURE DESIGN**

DENTAL PROSTHESIS REPAIR see **DENTURE REPAIR**

DENTAL PROSTHESIS RETENTION see **DENTURE RETENTION**

DENTAL PROSTHESIS, SURGICAL see **DENTAL IMPLANTS**

DENTAL PULP

see related
PULPECTOMY

INJURIES

Iatrogenic injury to the pulp in dental procedures: aspects of pathogenesis, management and preventive measures. Bergenholtz G. **Int Dent J** 1991 Apr;41(2):99–110 (56 ref.)

RADIATION EFFECTS

[An approach to biological effects of the lasers] Yamamoto H, et al. **Kokubyo Gakkai Zasshi** 1990 Dec;57(4):457–63 (26 ref.) **(Jpn)**

DENTAL PULP CAPPING

see related
CALCIUM HYDROXIDE

DENTAL PULP CAVITY

ANATOMY & HISTOLOGY

Variations in root canal anatomy. Manning SA.
N Z Dent J 1991 Apr;87(388):52–6 (13 ref.)

DENTAL PULP DISEASES

COMPLICATIONS

Perspectives, controversies and directives on pulpal–periodontal relationships. Belk CE, et al.
J Can Dent Assoc 1990 Nov;56(11):1013–7 (42 ref.)
The endo–perio problem in dental practice: diagnosis and prognosis. Christie WH, et al. **J Can Dent Assoc** 1990 Nov; 56(11):1005–11 (42 ref.)

THERAPY

A dentist's dilemma: nonsurgical endodontic therapy or periapical surgery for teeth with apparent pulpal pathosis and an associated periapical radiolucent lesion. Morse DR, et al. **Oral Surg Oral Med Oral Pathol** 1990 Sep; 70(3):333–40 (48 ref.)

DENTAL RADIOGRAPHY see **RADIOGRAPHY, DENTAL**

DENTAL RECEPTIONISTS see **DENTAL AUXILIARIES**

DENTAL RESTORATION, PERMANENT

see related
ACRYLIC RESINS
DENTAL MATERIALS
Wear measurements in clinical studies of composite resin restorations in the posterior region: a review. Kreulen CM, et al. **ASDC J Dent Child** 1991 Mar–Apr;58(2):109–23 (113 ref.)
CAD/CAM for dental restorations—some of the curious challenges. Rekow ED, et al. **IEEE Trans Biomed Eng** 1991 Apr;38(4):314–8 (7 ref.)
Biomechanics of the intact, prepared and restored tooth: some clinical implications. Hood JA. **Int Dent J** 1991 Feb; 41(1):25–32 (30 ref.)
The failed restoration: causes of failure and how to prevent them. McLean JW. **Int Dent J** 1990 Dec;40(6):354–8 (11 ref.)
Materials techniques for lining composite resin restorations: a critical approach. Brännström M, et al. **J Dent** 1991 Apr; 19(2):71–9 (61 ref.)
Direct composite resin restorations in posterior teeth. Bryant RW. **N Z Dent J** 1991 Apr;87(388):39–42 (11 ref.)
Why amalgam? Hood JA. **N Z Dent J** 1991 Apr;87(388):36–9 (16 ref.)

Alternatives to amalgam--the role of bonded porcelain. Ironside JG. **N Z Dent J** 1991 Apr;87(388):46–8 (9 ref.)
[Research on tooth fractures] Xu J, et al. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1990 May; 25(3):173–5 (20 ref.) **(Chi)**
[The utilization of glass ionomer sealing cements (published erratum appears in Rev Belge Med Dent 1990;45(4):preceding 9)] Van Zeghbroeck L. **Rev Belge Med Dent** 1990;45(3):23–9 (40 ref.) (Eng. Abstr.) **(Fre)**
[The relationships of restorative and prosthetic surgical measures with voice and speech functions] Reitemeier G, et al. **Zahn Mund Kieferheilkd** 1990;78(6):507–12 (6 ref.) (Eng. Abstr.) **(Ger)**
[Is amalgam harmful to patients?] Moszczyński P, et al. **Wiad Lek** 1990 Dec 1–15;43(23–24):1136–42 (48 ref.) (Eng. Abstr.) **(Pol)**

METHODS

Restoring the ageing dentition: repair or replacement? Ettinger RL. **Int Dent J** 1990 Oct;40(5):275–82 (58 ref.)
Minimal treatment of the carious lesion. Mount GJ. **Int Dent J** 1991 Feb;41(1):55–9 (19 ref.)
Restoring teeth following crown lengthening procedures. Assif D, et al. **J Prosthet Dent** 1991 Jan;65(1):62–4 (10 ref.)
Retention design for amalgam restorations: pins versus slots. Bailey JH. **J Prosthet Dent** 1991 Jan;65(1):71–4 (11 ref.)
[Restorations of posterior teeth. What choice?] Dietschi D, et al. **Schweiz Monatsschr Zahnmed** 1990;100(11):1324–35 (15 ref.) **(Fre, Ger)**

STATISTICS & NUMERICAL DATA

Prediction of amalgam restoration longevity. Smales RJ, et al. **J Dent** 1991 Feb;19(1):18–23 (33 ref.)
Reasons for replacement of Class II amalgam restorations in private practice. Allander L, et al. **Swed Dent J** 1990; 14(4):179–84 (13 ref.)

DENTAL RESTORATION, TEMPORARY

see related
ACRYLIC RESINS
DENTAL MATERIALS

DENTAL SCALING

Long-term assessment of periodontal surgery versus curettage or scaling and root planing. Ramfjord SP. **Int J Technol Assess Health Care** 1990;6(3):392–402 (58 ref.)

DENTAL SEALANTS see **PIT AND FISSURE SEALANTS**

DENTAL STAFF

The level of risk of transmission of human immunodeficiency virus between patients and dental staff [see comments] Scully C, et al. **Br Dent J** 1991 Feb 9;170(3):97–100 (82 ref.) Comment in: Br Dent J 1991 Apr 6;170(7):254.

DENTAL STRESS ANALYSIS

METHODS

Coefficients of friction for arch wires in stainless steel and polycrystalline alumina bracket slots. I. The dry state. Kusy RP, et al. **Am J Orthod Dentofacial Orthop** 1990 Oct; 98(4):300–12 (19 ref.)
Wear measurements in clinical studies of composite resin restorations in the posterior region: a review. Kreulen CM, et al. **ASDC J Dent Child** 1991 Mar–Apr;58(2):109–23 (113 ref.)

DENTAL TECHNICIANS

[Dental prosthesis technician, a subject with risk of Erasmus syndrome. Apropos of a case] Caux F, et al. **Ann Dermatol Venereol** 1991;118(4):301–4 (20 ref.) **(Fre)**

DENTAL VENEERS

Advantages and limitations in the use of porcelain veneer restorations. Sheets CG, et al. **J Prosthet Dent** 1990 Oct; 64(4):406–11 (22 ref.)

DENTAL WHITE SPOTS see **DENTAL CARIES**

DENTIFRICES

see related
MOUTHWASHES

THERAPEUTIC USE

Fluoride dentifrices: current status and prospects. Mellberg JR. **Int Dent J** 1991 Feb;41(1):9–16 (37 ref.)
Anti-plaque dentifrices: current status and prospects. van der Ouderaa F, et al. **Int Dent J** 1991 Apr;41(2):117–23 (41 ref.)
Antibacterial dentifrices. Clinical data and relevance with emphasis on zinc/triclosan. Gjermo P, et al. **J Clin Periodontol** 1991 Jul;18(6):468–73 (60 ref.)
Dentifrices containing new agents for the control of plaque and gingivitis: microbiological aspects. Marsh PD. **J Clin Periodontol** 1991 Jul;18(6):462–7 (53 ref.)

DENTIGEROUS CYST

Carcinoma arising in a dentigerous cyst: a case report and review of the literature. Maxymiw WG, et al. **J Oral Maxillofac Surg** 1991 Jun;49(6):639–43 (52 ref.)

DENTIN

see related
ODONTOBLASTS

Dentin bonding systems: a review of current products and techniques. Johnson GH, et al. **J Am Dent Assoc** 1991 Jul; 122(8):34–41 (43 ref.)

CHEMISTRY

Predictors of tooth-lead level with special reference to traffic. A study of lead-exposure in children. Lyngbye T, et al. **Int Arch Occup Environ Health** 1990;62(6):417–22 (37 ref.)
Sialoproteins of bone and dentin. Butler WT. **J Biol Buccale** 1991 Mar;19(1):83–9 (53 ref.)
The possible relationship between the mineralization of dentin and the composition of its organic matrix. Steinfort J, et al. **J Biol Buccale** 1990 Jun;18(2):131–3 (10 ref.)

METABOLISM

The role of extracellular matrix components in dentin mineralization. Boskey AL. **Crit Rev Oral Biol Med** 1991; 2(3):369–87 (166 ref.)

PHYSIOPATHOLOGY

[Enamel and dentinal changes in pulpitis and in pulpectomized teeth] Grechishnikov VI. **Stomatologiia (Mosk)** 1990 Jul–Aug;(4):91–3 (55 ref.) **(Rus)**

DENTIN DYSPLASIA

CLASSIFICATION

Dentin dysplasia: review of the literature and a proposed subclassification based on radiographic findings. Carroll MK, et al. **Oral Surg Oral Med Oral Pathol** 1991 Jul; 72(1):119–25 (68 ref.)

DENTIN SENSITIVITY

DIET THERAPY

The influence of frequent ingestion of acids in the diet on treatment for dentin sensitivity. Clark DC, et al. **J Can Dent Assoc** 1990 Dec;56(12):1101–3 (17 ref.)

THERAPY

[The treatment of dentin hypersensitivity] Collaert B, et al. **Rev Belge Med Dent** 1991;46(2):63–73 (53 ref.) (Eng. Abstr.) **(Fre)**

DENTINOGENESIS

GENETICS

Molecular determinants of tooth development: a review. Slavkin HC. **Crit Rev Oral Biol Med** 1990;1(1):1–16 (115 ref.)

PHYSIOLOGY

Calcium transport in dentinogenesis. Linde A, et al. **J Biol Buccale** 1990 Jun;18(2):155–60 (24 ref.)
The possible relationship between the mineralization of dentin and the composition of its organic matrix. Steinfort J, et al. **J Biol Buccale** 1990 Jun;18(2):131–3 (10 ref.)

DENTISTRY

Lasers in dentistry: new possibilities with advancing laser technology? Frentzen M, et al. **Int Dent J** 1990 Dec; 40(6):323–32 (50 ref.)
Ultrasound in dentistry. Part 1--Biophysical interactions. Laird WR, et al. **J Dent** 1991 Feb;19(1):14–7 (29 ref.)
Has modern biology entered the mouth? The clinical impact of biological research. Baum BJ. **J Dent Educ** 1991 May; 55(5):299–303 (23 ref.)
Decision making in dentistry. Part II: Clinical applications of decision methods. McCreery AM, et al. **J Prosthet Dent** 1991 Apr;65(4):575–85 (79 ref.)
Decision making in dentistry. Part I: A historical and methodological overview. McCreery AM, et al. **J Prosthet Dent** 1991 Mar;65(3):447–51 (11 ref.)
Remarks on the use of some basic epidemiological concepts in dentistry. Alanen P. **Proc Finn Dent Soc** 1991; 87(2):209–15 (3 ref.)
[Veterinary dentistry (1). Introduction to and review of dentistry in companion animals] van Foreest A. **Tijdschr Diergeneeskd** 1991 Jun 1;116(11):551–7 (32 ref.) (Eng. Abstr.) **(Dut)**

INSTRUMENTATION

Dental lasers and science. Zakariasen KL, et al. **J Can Dent Assoc** 1991 Jul;57(7):570–3 (40 ref.)

METHODS

Applications of computer technology in dentistry. Soh G, et al. **Ann Acad Med Singapore** 1990 Sep;19(5):720–3 (20 ref.)

TRENDS

The perspectives of federal programs. Adelson R. **J Am Coll Dent** 1991 Summer;58(2):26–30 (34 ref.)
The effect on the dental curriculum. Douglass CW. **J Am Coll Dent** 1991 Summer;58(2):17–21 (28 ref.)

DENTISTRY FOR AGED see **DENTAL CARE FOR AGED**

DENTISTRY FOR HANDICAPPED see **DENTAL CARE FOR HANDICAPPED**

DENTISTRY, GERIATRIC see **GERIATRIC DENTISTRY**

DENTISTRY, OPERATIVE

TRENDS

Current research in operative materials and techniques and its future impact. Stangel I. **J Can Dent Assoc** 1991 Jul; 57(7):579–83 (61 ref.)

DENTISTS

Hepatitis B. Current status in dentistry. Cottone JA. **Dent Clin North Am** 1991 Apr;35(2):269–82 (50 ref.)
Personal barrier protection. Harfst SA. **Dent Clin North Am** 1991 Apr;35(2):357–66 (41 ref.)
Herpesviruses and other microorganisms of concern in dentistry. Merchant VA. **Dent Clin North Am** 1991 Apr; 35(2):283–98 (76 ref.)
Presbyopia and the dentist: the effect of age on clinical vision [published erratum appears in Int Dent J 1991 Feb;41(1):54] Burton JF, et al. **Int Dent J** 1990 Oct;40(5):303–12 (19 ref.)
The global challenge of hepatitis B: implications for dentistry. Cottone JA. **Int Dent J** 1991 Jun;41(3):131–41 (56 ref.)
Dental malpractice litigation in a nutshell. Morris WO. **J Am Coll Dent** 1991 Spring;58(1):46–52 (28 ref.)
Hepatitis B and HIV infections in dental professionals: effectiveness of infection control procedures. Noble MA, et al. **J Can Dent Assoc** 1991 Jan;57(1):55–8 (26 ref.)
[Ergonomics and health risks for the dentists: overview] Micholt F. **Rev Belge Med Dent** 1990;45(2):17–33 (22 ref.) (Eng. Abstr.) **(Fre)**
[Mercury in the dental office. Risk evaluation of the occupational environment in dental care] Bjørklund G. **Tidsskr Nor Laegeforen** 1991 Mar 20;111(8):948–51 (26 ref.) (Eng. Abstr.) **(Nor)**

ECONOMICS

So, how much do orthodontists earn? Waldman HB. **Am J Orthod Dentofacial Orthop** 1990 Oct;98(4):358–63 (31 ref.)

DENTITION

Periodontal health and disease in children and adolescents. Bimstein E. **Pediatr Clin North Am** 1991 Oct;38(5):1183–207 (80 ref.)
[The effects of parafunctional contacts on the natural dentition] Catapano S, et al. **Minerva Stomatol** 1990 Nov; 39(11):947–50 (29 ref.) (Eng. Abstr.) **(Ita)**

DENTITION, MIXED

see related
SERIAL EXTRACTION

Vertical changes in high mandibular plane cases following enucleation of second premolars. Garlington M, et al. **Angle Orthod** 1990 Winter;60(4):263–7; discussion 267–8 (13 ref.)

DENTITION, PRIMARY

see related
TOOTH, DECIDUOUS

DENTOALVEOLAR CYST see **PERIODONTAL CYST**

DENTURE BASES

A comparison of mandibular denture base extension in conventional and implant-retained dentures. Arbree NS, et al. **J Prosthet Dent** 1991 Jan;65(1):108–11 (11 ref.)

DENTURE, COMPLETE

The prevalence of craniomandibular disorders in completely edentulous denture-wearing subjects. Mercado MD, et al. **J Oral Rehabil** 1991 May;18(3):231–42 (35 ref.)
[Denture stomatitis] Carlino P, et al. **Schweiz Monatsschr Zahnmed** 1991;101(2):217–23 (59 ref.) **(Fre)**

[Adhesive agents for improving the fixation of and accelerated adaptation to removable dentures] Urazaeva NN. **Stomatologiia (Mosk)** 1991 Jan-Feb;70(1):73-5 (33 ref.) **(Rus)**

DENTURE, COMPLETE, LOWER

A comparison of mandibular denture base extension in conventional and implant-retained dentures. Arbree NS, et al. **J Prosthet Dent** 1991 Jan;65(1):108-11 (11 ref.)

DENTURE DESIGN

Removable partial overdentures. Clinical considerations. McDermott IG, et al. **Dent Clin North Am** 1990 Oct; 34(4):611-29 (8 ref.)

Design, preparation, and maintenance of overdenture abutments. Walters RA. **Dent Clin North Am** 1990 Oct; 34(4):631-44 (25 ref.)

Palladium alloys in prosthodontics: selected aspects. Böning K, et al. **Int Dent J** 1990 Oct;40(5):289-97 (12 ref.)

A comparison of mandibular denture base extension in conventional and implant-retained dentures. Arbree NS, et al. **J Prosthet Dent** 1991 Jan;65(1):108-11 (11 ref.)

Prosthodontic rehabilitation of patients with Class II malocclusions. Drago CJ, et al. **J Prosthet Dent** 1990 Oct; 64(4):435-45 (24 ref.)

Maintaining and enhancing gingival architecture in fixed prosthodontics. Ferencz JL. **J Prosthet Dent** 1991 May; 65(5):650-7 (27 ref.)

Gingival crown margin configurations: a review and discussion. Part I: Terminology and widths. Hunter AJ, et al. **J Prosthet Dent** 1990 Nov;64(5):548-52 (59 ref.)

Gingival margins for crowns: a review and discussion. Part II: Discrepancies and configurations. Hunter AJ, et al. **J Prosthet Dent** 1990 Dec;64(6):636-42 (82 ref.)

Alternate occlusal schemes. Jensen WO. **J Prosthet Dent** 1991 Jan;65(1):54-5 (5 ref.)

DENTURE LINERS

see related

SILICONE ELASTOMERS

Twenty-five years of clinical application of a heat-cured silicone rubber. Ryan JE. **J Prosthet Dent** 1991 May; 65(5):658-61 (14 ref.)

DENTURE, OVERLAY

Current status and rationale for composite inlays and onlays. Burke FJ, et al. **Br Dent J** 1991 Apr 6;170(7):269-73 (50 ref.)

Overdentures with magnetic attachments. Gillings BR, et al. **Dent Clin North Am** 1990 Oct;34(4):683-709 (49 ref.)

Periodontal considerations of the removable partial overdenture. Gomes BC, et al. **Dent Clin North Am** 1990 Oct;34(4):653-68 (60 ref.)

Removable partial overdentures with natural root structure and osseointegrated fixtures. Jackson TR. **Dent Clin North Am** 1990 Oct;34(4):711-28 (16 ref.)

Removable partial overdentures. Clinical considerations. McDermott IG, et al. **Dent Clin North Am** 1990 Oct; 34(4):611-29 (8 ref.)

Removable partial overdentures with mechanical (precision) attachments. Mensor MC. **Dent Clin North Am** 1990 Oct; 34(4):669-81 (13 ref.)

The overdenture concept. Renner RP. **Dent Clin North Am** 1990 Oct;34(4):593-606 (64 ref.)

Removable partial overdentures for the irradiated patient. Rosenberg SW. **Dent Clin North Am** 1990 Oct;34(4):759-63 (11 ref.)

Endodontic considerations in restoration of partial overdenture abutments. Safavi KE, et al. **Dent Clin North Am** 1990 Oct;34(4):645-52 (20 ref.)

Design, preparation, and maintenance of overdenture abutments. Walters RA. **Dent Clin North Am** 1990 Oct; 34(4):631-44 (25 ref.)

DENTURE, PARTIAL

[Denture stomatitis] Carlino P, et al. **Schweiz Monatsschr Zahnmed** 1991;101(2):217-23 (59 ref.) **(Fre)**

[Porcelain repairs. A review of the literature and practical tips for porcelain repairs on VMK (metal-ceramic) reconstructions] Brönnimann R, et al. **Schweiz Monatsschr Zahnmed** 1991;101(6):762-73 (28 ref.) **(Ger, Fre)**

DENTURE, PARTIAL, FIXED

Prosthetic reconstruction of dentitions seriously compromised by periodontal disease. Lundgren D. **J Clin Periodontol** 1991 Jul;18(6):390-5 (27 ref.)

An analysis of clinical studies on resin-bonded bridges. Creugers NH, et al. **J Dent Res** 1991 Feb;70(2):146-9 (29 ref.)

Maintaining and enhancing gingival architecture in fixed prosthodontics. Ferencz JL. **J Prosthet Dent** 1991 May; 65(5):650-7 (27 ref.)

Alternative alloys for resin-bonded retainers. Lawson JR. **J Prosthet Dent** 1991 Jan;65(1):97-9 (43 ref.)

Hyperostosis and fixed partial denture pontics: report of 16 patients and review of literature. Morton TH Jr, et al. **J Prosthet Dent** 1990 Nov;64(5):539-47 (15 ref.)

[General aspects of planning fixed dentures on implants] Szöllösi K, et al. **Fogorv Sz** 1991 Jan;84(1):7-9 (19 ref.) (Eng. Abstr.) **(Hun)**

[Extension bridges. A bibliographic evaluation and the clinical indications] Irato A, et al. **Minerva Stomatol** 1990 Nov;39(11):937-41 (48 ref.) (Eng. Abstr.) **(Ita)**

DENTURE, PARTIAL, REMOVABLE

Overdentures with magnetic attachments. Gillings BR, et al. **Dent Clin North Am** 1990 Oct;34(4):683-709 (49 ref.)

Periodontal considerations of the removable partial overdenture. Gomes BC, et al. **Dent Clin North Am** 1990 Oct;34(4):653-68 (60 ref.)

Removable partial overdentures with natural root structure and osseointegrated fixtures. Jackson TR. **Dent Clin North Am** 1990 Oct;34(4):711-28 (16 ref.)

Removable partial overdentures. Clinical considerations. McDermott IG, et al. **Dent Clin North Am** 1990 Oct; 34(4):611-29 (8 ref.)

Removable partial overdentures with mechanical (precision) attachments. Mensor MC. **Dent Clin North Am** 1990 Oct; 34(4):669-81 (13 ref.)

The overdenture concept. Renner RP. **Dent Clin North Am** 1990 Oct;34(4):593-606 (64 ref.)

Removable partial overdentures for the irradiated patient. Rosenberg SW. **Dent Clin North Am** 1990 Oct;34(4):759-63 (11 ref.)

Endodontic considerations in restoration of partial overdenture abutments. Safavi KE, et al. **Dent Clin North Am** 1990 Oct;34(4):645-52 (20 ref.)

Design, preparation, and maintenance of overdenture abutments. Walters RA. **Dent Clin North Am** 1990 Oct; 34(4):631-44 (25 ref.)

Patient use of removable partial dentures: two- and four-year telephone interviews. Cowan RD, et al. **J Prosthet Dent** 1991 May;65(5):668-70 (7 ref.)

DENTURE, PRECISION ATTACHMENT

Removable partial overdentures with mechanical (precision) attachments. Mensor MC. **Dent Clin North Am** 1990 Oct; 34(4):669-81 (13 ref.)

DENTURE REPAIR

METHODS

Chairside repair of ceramo-metallic restorations. Rosen H. **J Can Dent Assoc** 1990 Nov;56(11):1029-33 (25 ref.)

[Porcelain repairs. A review of the literature and practical tips for porcelain repairs on VMK (metal-ceramic) reconstructions] Brönnimann R, et al. **Schweiz Monatsschr Zahnmed** 1991;101(6):762-73 (28 ref.) **(Ger, Fre)**

DENTURE RETENTION

Denture adhesives. Choosing the right powders and pastes. Shay K. **J Am Dent Assoc** 1991 Jan;122(1):70-6 (53 ref.)

An analysis of clinical studies on resin-bonded bridges. Creugers NH, et al. **J Dent Res** 1991 Feb;70(2):146-9 (29 ref.)

A comparison of mandibular denture base extension in conventional and implant-retained dentures. Arbree NS, et al. **J Prosthet Dent** 1991 Jan;65(1):108-11 (11 ref.)

[Adhesive agents for improving the fixation of and accelerated adaptation to removable dentures] Urazaeva NN. **Stomatologiia (Mosk)** 1991 Jan-Feb;70(1):73-5 (33 ref.) **(Rus)**

DENTURE STABILITY see **DENTURE RETENTION**

DENTURES

Prosthodontics. Clinical practice--delivery of services. Review of the literature. Douglass CW. **J Prosthet Dent** 1990 Sep;64(3):275-83 (28 ref.)

Prosthodontic rehabilitation of patients with Class II malocclusions. Drago CJ, et al. **J Prosthet Dent** 1990 Oct; 64(4):435-45 (24 ref.)

Measurement of oral status and treatment need among subjects with dental prostheses: are the measures less reliable than the prostheses? Part II: Treatment need in removable prosthodontics. Gordon SR. **J Prosthet Dent** 1991 Jun;65(6):801-3 (22 ref.)

[The relationships of restorative and prosthetic surgical measures with voice and speech functions] Reitemeier G, et al. **Zahn Mund Kieferheilkd** 1990;78(6):507-12 (6 ref.) (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

The prevalence of craniomandibular disorders in completely edentulous denture-wearing subjects. Mercado MD, et al. **J Oral Rehabil** 1991 May;18(3):231-42 (35 ref.)

STATISTICS & NUMERICAL DATA

Measurement of oral status and treatment need among subjects with dental prostheses: are the measures less reliable than the prostheses? Part I: Oral status in removable prosthodontics. Gordon SR. **J Prosthet Dent** 1991 May; 65(5):664-8 (45 ref.)

DEONTOLOGICAL ETHICS see **ETHICS**

DEOXYADENOSINES

THERAPEUTIC USE

New purine analogues for the treatment of chronic B-cell malignancies. Gribbin TE. **Henry Ford Hosp Med J** 1991; 39(2):98-102 (33 ref.)

DEOXYADRENALINE see **DEOXYEPINEPHRINE**

2'-DEOXYCOFORMYCIN see **PENTOSTATIN**

DEOXYCORTICOSTERONE see **DESOXYCORTICOSTERONE**

DEOXYCYTIDYLATE AMINOHYDROLASE see **DEOXYCYTIDYLATE DEAMINASE**

DEOXYCYTIDYLATE DEAMINASE

METABOLISM

A tale of two enzymes, deoxycytidylate deaminase and thymidylate synthase. Maley F, et al. **Prog Nucleic Acid Res Mol Biol** 1990;39:49-80 (146 ref.)

DEOXYDINUCLEOSIDE PHOSPHATES see **DINUCLEOSIDE PHOSPHATES**

DEOXYEPHEDRINE see **METHAMPHETAMINE**

DEOXYEPINEPHRINE

ANALOGS & DERIVATIVES

How to select a drug for the long-term treatment of chronic heart failure. Man in 't Veld AJ. **Am Heart J** 1990 Dec; 120(6 (Pt 2)):1572-8 (43 ref.)

Efficacy of ibopamine in the treatment of heart failure. Taylor SH, et al. **Am Heart J** 1990 Dec;120(6 (Pt 2)):1583-90 (42 ref.)

Clinical pharmacology of ibopamine. Itoh H. **Am J Med** 1991 May 29;90(5B):36S-42S (12 ref.)

Ibopamine in chronic congestive heart failure: hemodynamic and neurohumoral effects. López-Sendón J. **Am J Med** 1991 May 29;90(5B):43S-49S (50 ref.)

Ibopamine in the treatment of heart failure. Man in 't Veld AJ. **Am J Med** 1991 May 29;90(5B):50S-54S (27 ref.)

The safety profile of ibopamine, an alternative substance for treatment of chronic heart failure. Holubarsch C, et al. **Cardiology** 1990;77 Suppl 5:1-8 (52 ref.)

Hemodynamic and neurohumoral effects of ibopamine in patients with chronic congestive heart failure. López-Sendón J. **Cardiology** 1990;77 Suppl 5:9-21 (54 ref.)

Pharmacological profile of ibopamine. A summary of experiments on anaesthesized dogs. Marchetti GV. **Cardiology** 1990;77 Suppl 5:22-9 (34 ref.)

Effect of ibopamine, a dopamine congener, on arrhythmias in heart failure. Storstein L. **Cardiology** 1990;77 Suppl 5:30-5 (31 ref.)

The use of ibopamine in chronic renal failure: long-term results. Stefoni S, et al. **Contrib Nephrol** 1990;81:264-9 (14 ref.)

DEOXYGLUCOSE

DIAGNOSTIC USE

Principles of the 2-deoxyglucose method for the determination of the local cerebral glucose utilization. Wree A. **Eur J Morphol** 1990;28(2-4):132-8 (37 ref.)

DEOXYRIBODIPYRIMIDINE PHOTOLYASE see **DNA PHOTOLYASE**

DEOXYRIBONUCLEASE ECORI

GENETICS

[Interactions between Eco RI restriction endonuclease and DNA] Koziołkiewicz M. **Postepy Biochem** 1991; 37(1):23-32 (46 ref.) **(Pol)**

DEOXYRIBONUCLEASE SSOI see **DEOXYRIBONUCLEASE ECORI**

DEOXYRIBONUCLEASES, TYPE II SITE-SPECIFIC

METABOLISM

Class-IIS restriction enzymes--a review. Szybalski W, et al. **Gene** 1991 Apr;100:13-26 (142 ref.)

Restriction endonucleases in the study of eukaryotic chromosomes. López-Fernández C, et al. **Genetica** 1991; 83(3):257-74 (97 ref.)

DEOXYRIBONUCLEIC ACID see **DNA**

DEOXYRIBONUCLEOTIDES

METABOLISM

Deoxyribonucleotide analogs as inhibitors and substrates of DNA polymerases. Wright GE, et al. **Pharmacol Ther** 1990; 47(3):447–97 (264 ref.)

DEOXYRIBOSE

GENETICS

Chemical determination of free radical–induced damage to DNA. Dizdaroglu M. **Free Radic Biol Med** 1991; 10(3–4):225–42 (79 ref.)

DEOXYTHYMIDINE KINASE see **THYMIDINE KINASE**

DEOXYURSOCHOLIC ACID see **URSODEOXYCHOLIC ACID**

DEPENDENCY (PSYCHOLOGY)

Fear of dependence in therapeutic relationships. Pedder J. **Br J Med Psychol** 1991 Jun;65 (Pt 2):117–26 (28 ref.)
Fear of dependence in therapeutic relationships. Pedder J. **Br J Med Psychol** 1991 Jun;64 (Pt 2):117–26 (28 ref.)
Codependency and the eating–disorder client. Riley EA. **Nurs Clin North Am** 1991 Sep;26(3):765–75 (18 ref.)
A critical analysis of the co–dependence construct. Haaken J. **Psychiatry** 1990 Nov;53(4):396–406 (34 ref.)

DEPERSONALIZATION see **DEPERSONALIZATION DISORDER**

DEPERSONALIZATION DISORDER

PSYCHOLOGY

Lycanthropy and demonomania: some psychopathological issues. Koehler K, et al. **Psychol Med** 1990 Aug; 20(3):629–33 (14 ref.)

DEPILATION see **HAIR REMOVAL**

DEPOLARIZING MUSCLE RELAXANTS see **NEUROMUSCULAR DEPOLARIZING AGENTS**

DEPOT PREPARATIONS see **DELAYED–ACTION PREPARATIONS**

DEPRENALIN see **SELEGILINE**

DEPRENIL see **SELEGILINE**

DEPRENYL see **SELEGILINE**

DEPRESSION

The doctor's health. Psychosis and depression. a'Brook M. **Practitioner** 1990 Nov;234(1496):992–3 (15 ref.)

CHEMICALLY INDUCED

Antihypertensive medications and depression. Beers MH, et al. **Drugs** 1990 Dec;40(6):792–9 (55 ref.)
The effects of oral contraceptives on well–being and sexuality. Bancroft J, et al. **Oxf Rev Reprod Biol** 1990; 12:57–92 (127 ref.)

CLASSIFICATION

[Trends in the classification of depressive states] Pirozynski T, et al. **Rev Med Chir Soc Med Nat Iasi** 1990 Jan–Mar; 94(1):81–5 (18 ref.) (Eng. Abstr.) **(Rum)**

COMPLICATIONS

Depression, chronic fatigue, and the premenstrual syndrome. Gonsalves L, et al. **Prim Care** 1991 Jun;18(2):369–80 (40 ref.)
Depression in Alzheimer's disease. Alexopoulos GS, et al. **Psychiatr Clin North Am** 1991 Jun;14(2):327–40 (86 ref.)
Chronic fatigue syndrome and depression: cause, effect, or covariate. Abbey SE, et al. **Rev Infect Dis** 1991 Jan–Feb; 13 Suppl 1:S73–83 (114 ref.)
Assessment of depression in patients with chronic fatigue syndrome. Thase ME. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S114–8 (29 ref.)

DIAGNOSIS

Depression in children. Tonge BJ. **Aust Fam Physician** 1990 Sep;19(9):1388–91, 1394 (11 ref.)
Diagnosing and treating depression in the hospitalized elderly. Stewart JT. **Geriatrics** 1991 Jan;46(1):64–6, 71–2 (19 ref.)
Depression in the elderly. Characteristics and clinical management. Steiner D, et al. **Nurs Clin North Am** 1991 Sep;26(3):585–600 (133 ref.)
Diagnosis and treatment of depression in the elderly: a review. Winstead DK, et al. **Psychiatr Med** 1990;8(4):85–98 (55 ref.)
Understanding depression in medical patients. Part I: Diagnostic considerations. Wool MS. **Soc Work Health Care** 1990;14(4):25–38 (28 ref.)
[Chronic fatigue syndrome, fibromyalgia and depression] Martin–Du–Pan R. **Rev Med Suisse Romande** 1990 Oct; 110(10):923–8 (0 ref.) **(Fre)**
[Periodic medical examination. Update 1990. Early diagnosis of depression and the prevention of suicide. The Canadian Study Group on Periodic Medical Examination] **Union Med Can** 1991 Jan–Feb;120(1):17–22, 16 (73 ref.) **(Fre)**

DRUG THERAPY

Current treatment concepts in depression. Judd FK, et al. **Aust Fam Physician** 1990 Sep;19(9):1347–54 (5 ref.)
Adverse effects and drug interactions associated with fluoxetine therapy. Levinson ML, et al. **DICP** 1991 Jun; 25(6):657–61 (58 ref.)
Pharmacotherapy of depression: the American current status. Shen WW. **Keio J Med** 1990 Dec;39(4):237–41 (46 ref.)
Practical psychopharmacologic considerations in depression. Brasfield KH. **Nurs Clin North Am** 1991 Sep;26(3):651–63 (41 ref.)
Outcome criteria in antidepressant drug trials: self–rating versus observer–rating scales. Möller HJ. **Pharmacopsychiatry** 1991 May;24(3):71–5 (26 ref.)
What next? A review of pharmacologic strategies for treatment resistant depression. Nierenberg AA, et al. **Psychopharmacol Bull** 1990;26(4):429–60 (224 ref.)
Methodological problems in treatment resistant depression research. Nierenberg AA. **Psychopharmacol Bull** 1990; 26(4):461–4 (29 ref.)
[Extra–hormonal aspects of the central action of thyroliberin (TRH)] Przegaliński E. **Acta Physiol Pol** 1989;40 Suppl 34:115–26 (39 ref.) **(Pol)**

EPIDEMIOLOGY

[Depression in children and youth—an invisible phenomenon] Lange J. **Nord Med** 1991;106(3):84–5 (14 ref.) **(Nor)**

ETIOLOGY

Organic bases of depression in the elderly. Krishnan KR. **Annu Rev Med** 1991;42:261–6 (25 ref.)
Adult chronic lead intoxication. A clinical review. Balestra DJ. **Arch Intern Med** 1991 Sep;151(9):1718–20 (28 ref.)
Psychosexual changes associated with the perimenopausal period. McCraw RK. **J Nurse Midwifery** 1991 Jan–Feb; 36(1):17–24 (34 ref.)
Young women and depression. Origin, outcome, and nursing care. Hauenstein EJ. **Nurs Clin North Am** 1991 Sep; 26(3):601–12 (77 ref.)
Depression and chronic fatigue in the patient with chronic pain. Covington EC. **Prim Care** 1991 Jun;18(2):341–58 (85 ref.)
Depression and fatigue in the primary care physician. Wise TN. **Prim Care** 1991 Jun;18(2):451–64 (38 ref.)
Depressive syndromes associated with diseases of the central nervous system. Schiffer RB. **Semin Neurol** 1990 Sep; 10(3):239–46 (62 ref.)
Depression following cerebrovascular lesions. Starkstein SE, et al. **Semin Neurol** 1990 Sep;10(3):247–53 (53 ref.)

METABOLISM

Steroids and depression. Murphy BE. **J Steroid Biochem Mol Biol** 1991 May;38(5):537–59 (186 ref.)

NURSING

Depression. Nursing implications of a clinical and social problem. Abraham IL, et al. **Nurs Clin North Am** 1991 Sep;26(3):527–44 (17 ref.)
Psychologic and physiologic aspects of depression. Buckwalter KC, et al. **Nurs Clin North Am** 1990 Dec; 25(4):945–54 (11 ref.)
An integrated nursing model of depressive behavior in adults. Theory and implications for practice. Calarco MM, et al. **Nurs Clin North Am** 1991 Sep;26(3):573–84 (44 ref.)
Depression in the general hospital. Neese JB. **Nurs Clin North Am** 1991 Sep;26(3):613–22 (25 ref.)

PHYSIOPATHOLOGY

Role of serotonin in depression. Meltzer HY. **Ann N Y Acad Sci** 1990;600:486–99; discussion 499–500 (99 ref.)
Opioid peptides and depression: the neuroendocrine approach. Zis AP, et al. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):97–117 (111 ref.)
Neurobehavioral studies of forced swimming: the role of learning and memory in the forced swim test. West AP. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(6):863–77 (35 ref.)
[Neuroendocrine factors in postpartum blues] D'Addato F, et al. **Minerva Psichiatr** 1991 Apr–Jun;32(2):83–7 (30 ref.) (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

Screening for psychiatric and substance abuse disorders in clinical practice. Ford DE, et al. **J Gen Intern Med** 1990 Sep–Oct;5(5 Suppl):S37–41 (30 ref.)

PSYCHOLOGY

Assessing suicide risk in stroke patients: review of two cases. Garden FH, et al. **Arch Phys Med Rehabil** 1990 Nov; 71(12):1003–5 (19 ref.)
Fluoxetine and suicidal ideation. McGrath BJ, et al. **DICP** 1991 Jun;25(6):607–9 (20 ref.)
Childhood depression and suicide. Kelly GL. **Nurs Clin North Am** 1991 Sep;26(3):545–58 (47 ref.)
Animal models as simulations of depression. Willner P. **Trends Pharmacol Sci** 1991 Apr;12(4):131–6 (50 ref.)
[Cognitive changes associated with depression] Zemishlang Z, et al. **Harefuah** 1991 Apr 1;120(7):401–3 (40 ref.) **(Heb)**

THERAPY

Depression in the elderly. Chiu E, et al. **Aust Fam Physician** 1990 Sep;19(9):1379, 1382–6 (16 ref.)
The prognosis of depression in the elderly. Cole MG. **Can Med Assoc J** 1990 Oct 1;143(7):633–9 (18 ref.)
Therapeutic group work with depressed elderly. Abraham IL, et al. **Nurs Clin North Am** 1991 Sep;26(3):635–50 (11 ref.)
Treatment of depression in the elderly: a Canadian view. Ancill RJ, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(5):655–61 (11 ref.)

DEPRESSION, BIPOLAR see **BIPOLAR DISORDER**

DEPRESSION, ENDOGENOUS see **DEPRESSIVE DISORDER**

DEPRESSION, NEUROTIC see **DEPRESSIVE DISORDER**

DEPRESSION, REACTIVE see **ADJUSTMENT DISORDERS**

DEPRESSION, REACTIVE, PSYCHOTIC see **AFFECTIVE DISORDERS, PSYCHOTIC**

DEPRESSION, UNIPOLAR see **DEPRESSIVE DISORDER**

DEPRESSIVE DISORDER

Recognition and treatment of major depression. Tollefson GD. **Am Fam Physician** 1990 Nov;42(5 Suppl):59S–66S, 69S (18 ref.)
Postnatal depression: a review of recent literature [see comments] Richards JP. **Br J Gen Pract** 1990 Nov; 40(340):472–6 (56 ref.) Comment in: Br J Gen Pract 1991 Feb;41(343):85.
Childhood depression. Seagull EA. **Curr Probl Pediatr** 1990 Dec;20(12):707–55 (195 ref.)
Depression and suicide assessment. Hofmann DP, et al. **Emerg Med Clin North Am** 1991 Feb;9(1):107–21 (48 ref.)
Dental management of the patient with major depression. Friedlander AH, et al. **Oral Surg Oral Med Oral Pathol** 1991 May;71(5):573–8 (74 ref.)

BLOOD

Depression in the elderly: pharmacokinetics of antidepressants and death from overdose. Montgomery SA. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:67–76 (30 ref.)
Blood level monitoring of antipsychotics and antidepressants. Javaid JI, et al. **Psychiatr Med** 1991;9(1):163–87 (97 ref.)

CHEMICALLY INDUCED

[Beta blockers and depressive syndromes] Knijnik J, et al. **Arq Bras Cardiol** 1991 Feb;56(2):157–9 (30 ref.) **(Por)**

CLASSIFICATION

The classification and treatment of dysthymia. Murphy DG. **Br J Psychiatry** 1991 Jan;158:106–9 (17 ref.)
[Biological psychiatry and current classifications of depressive disorders] Staner L, et al. **Encephale** 1991 May–Jun;17(3):179–85 (75 ref.) (Eng. Abstr.) **(Fre)**
[Trends in the classification of depressive states] Pirozynski T, et al. **Rev Med Chir Soc Med Nat Iasi** 1990 Jan–Mar; 94(1):81–5 (18 ref.) (Eng. Abstr.) **(Rum)**

COMPLICATIONS

"Pseudodementia" and "pseudodepression": a short review on the coexistence of cognitive and affective impairment in the elderly. Foerstl H. **Cesk Neurol Neurochir** 1990 Sep; 53(5):294–304 (100 ref.)
Treatment of anxiety disorder in patients with mood disorders. Coplan JD, et al. **J Clin Psychiatry** 1990 Oct; 51 Suppl:9–13; discussion 14–7 (41 ref.)
Death, depression, and heart disease. Roose SP, et al. **J Clin Psychiatry** 1991 Jun;52 Suppl:34–9 (45 ref.)
Diagnosis and treatment of insomnia and depression. Ware JC, et al. **J Clin Psychiatry** 1991 Jun;52 Suppl:55–61 (55 ref.)
Depression in Parkinson's disease. Bunting LK, et al. **J Neurosci Nurs** 1991 Jun;23(3):158–64 (29 ref.)

Comorbidity for alcoholism and depression. Merikangas KR, et al. **Psychiatr Clin North Am** 1990 Dec;13(4):613–32 (88 ref.)
Chronic fatigue syndrome and depression: cause, effect, or covariate. Abbey SE, et al. **Rev Infect Dis** 1991 Jan–Feb; 13 Suppl 1:S73–83 (114 ref.)
Assessment of depression in patients with chronic fatigue syndrome. Thase ME. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S114–8 (29 ref.)
Depression and acute myocardial infarction: a review and reinterpretation. Fielding R. **Soc Sci Med** 1991; 32(9):1017–28 (152 ref.)

DIAGNOSIS

Depressive disorders and dementia: the clinical view. Lauter H, et al. **Acta Psychiatr Scand Suppl** 1991;366:40–6 (56 ref.)
Prodromal symptoms in affective disorders. Fava GA, et al. **Am J Psychiatry** 1991 Jul;148(7):823–30 (88 ref.)
A current view of the interface between borderline personality disorder and depression. Gunderson JG, et al. **Am J Psychiatry** 1991 Aug;148(8):967–75 (68 ref.)
The clinical meaning of refractory depression: a review for the clinician. Guscott R, et al. **Am J Psychiatry** 1991 Jun; 148(6):695–704 (109 ref.)
Depression in children. Tonge BJ. **Aust Fam Physician** 1990 Sep;19(9):1388–91, 1394 (11 ref.)
The effect of diagnostic methodology on the sensitivity of the TRH stimulation test for depression: a literature review. Arana GW, et al. **Biol Psychiatry** 1990 Oct 15;28(8):733–7 (17 ref.)
Depressive illness: diagnostic issues. Hirschfeld RM. **Bull Menninger Clin** 1991 Spring;55(2):144–55 (19 ref.)
Primary and secondary depression: a review. Costello CG, et al. **Can J Psychiatry** 1991 Apr;36(3):210–7 (50 ref.)
Sleep disturbance in depression reconsidered. Southmayd SE, et al. **Can J Psychiatry** 1991 Jun;36(5):366–73 (49 ref.)
The concept of major depression. I. Descriptive comparison of six competing operational definitions including ICD–10 and DSM–III–R. Philipp M, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;240(4–5):258–65 (16 ref.)
Dementia, depression, or grief? The differential diagnosis. Brock C, et al. **Geriatrics** 1990 Oct;45(10):37–43 (28 ref.)
Post-stroke depression. Chalmers GL. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:21–31 (44 ref.)
Affective disorder and physical illness in old age. Philpott RM. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:7–20 (90 ref.)
Diagnostic issues in depression in old age. Wattis JP. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:1–6 (7 ref.)
The dexamethasone suppression test in Alzheimer's disease and major depression: relationship to dementia severity, depression, and CSF monoamines. Molchan SE, et al. **Int Psychogeriatr** 1990 Fall;2(2):99–122 (80 ref.)
The depressed masochistic patient: diagnostic and management considerations—a contemporary psychoanalytic perspective. Friedman RC. **J Am Acad Psychoanal** 1991 Spring;19(1):9–30 (33 ref.)
The comorbidity factor: establishing the primary diagnosis in patients with mixed symptoms of anxiety and depression [see comments] Clayton PJ. **J Clin Psychiatry** 1990 Nov; 51 Suppl:35–9 (17 ref.) Comment in: J Clin Psychiatry 1991 Apr;52(4):181–2.
Recognition and treatment of depression in the elderly. Small GW. **J Clin Psychiatry** 1991 Jun;52 Suppl:11–22 (88 ref.)
The dexamethasone suppression test in dementia: a review of the literature. Skare S, et al. **J Geriatr Psychiatry Neurol** 1990 Jul–Sep;3(3):124–38 (59 ref.)
Mental illness. Mind and body. **N C Med J** 1991 Jan; 52(1):27–30 (3 ref.)
Mood disorders. Is your primary care patient depressed? Walton RG. **Postgrad Med** 1990 Oct;88(5):205–9, 212–4 (29 ref.)
The concept of secondary depression and its relationship to comorbidity. Winokur G. **Psychiatr Clin North Am** 1990 Dec;13(4):567–83 (22 ref.)
Diagnosing depression—looking backward into the future. van Praag HM. **Psychiatr Dev** 1989 Winter;7(4):375–94 (59 ref.)
Diagnosing depression in patients with medical illness. Kathol RG, et al. **Psychosomatics** 1990 Fall;31(4):434–40 (20 ref.)
Diagnostic aspects of depression. Huber G, et al. **Recenti Prog Med** 1991 Mar;82(3):173–80 (41 ref.)
Diagnosis of secondary depression in schizophrenia: implications for DSM–IV. Siris SG. **Schizophr Bull** 1991; 17(1):75–98 (115 ref.)
Gender differences in affective, schizoaffective, and schizophrenic disorders. A review. Bardenstein KK, et al. **Schizophr Res** 1990 May–Jun;3(3):159–72 (115 ref.)
[Differentiation of anxiety and depression—terminology, clinical and psychological aspects] Schulze A. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Dec; 42(12):713–22 (46 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Interaction studies with moclobemide. Zimmer R, et al. **Acta Psychiatr Scand Suppl** 1990;360:84–6 (7 ref.)
Psychostimulants for depression in the medically ill. Frierson RL, et al. **Am Fam Physician** 1991 Jan;43(1):163–70 (17 ref.)
Choosing an antidepressant to treat depression. Rand EH. **Am Fam Physician** 1991 Mar;43(3):847–54 (26 ref.)
Current treatment concepts in depression. Judd FK, et al. **Aust Fam Physician** 1990 Sep;19(9):1347–54 (5 ref.)
The marketing of 5-hydroxytryptamine: depression or anxiety? Healy D. **Br J Psychiatry** 1991 Jun;158:737–42 (44 ref.)
Trazodone-induced transient hypomanic symptoms and their management. Jabeen S, et al. **Br J Psychiatry** 1991 Feb; 158:275–8 (10 ref.)
A guide to benzodiazepine selection. Part II: Clinical aspects. Teboul E, et al. **Can J Psychiatry** 1991 Feb;36(1):62–73 (166 ref.)
Paroxetine. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in depressive illness. Dechant KL, et al. **Drugs** 1991 Feb; 41(2):225–53 (96 ref.)
Use of psychostimulants for the elderly. Roccaforte WH, et al. **Hosp Community Psychiatry** 1990 Dec;41(12):1330–3 (21 ref.)
Adverse effects of antidepressants. Beaumont G. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:61–6 (2 ref.)
Antidepressants: current concepts of mode of action. Cowen PJ. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:45–55 (37 ref.)
Antidepressants: the implications of the cognitive and psychomotor effects in the elderly. Hindmarch I. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:57–60 (10 ref.)
Does 24-h urinary MHPG predict treatment response to antidepressants? I. A review. Garvey M, et al. **J Affective Disord** 1990 Nov;20(3):173–9 (37 ref.)
Understanding and treating depression in anxious patients. Dubovsky SL. **J Clin Psychiatry** 1990 Oct;51 Suppl:3–8; discussion 14–7 (55 ref.)
Trazodone dosing regimen: experience with single daily administration. Fabre LF. **J Clin Psychiatry** 1990 Sep;51 Suppl:23–6 (20 ref.)
Role of serotonin in therapy of depression and related disorders. Fuller RW. **J Clin Psychiatry** 1991 May;52 Suppl:52–7 (81 ref.)
Beyond serotonin. Meltzer HY. **J Clin Psychiatry** 1991 May; 52 Suppl:58–62 (57 ref.)
Augmentation regimens for depression. Nemeroff CB. **J Clin Psychiatry** 1991 May;52 Suppl:21–7 (21 ref.)
Antidepressant adverse drug reactions. Nierenberg AA, et al. **J Clin Psychiatry** 1991 Jun;52 Suppl:40–7 (37 ref.)
Therapeutic drug monitoring for antidepressants: efficacy, safety, and cost effectiveness [published erratum appears in J Clin Psychiatry 1991 Aug;52(8):353] Preskorn SH, et al. **J Clin Psychiatry** 1991 Jun;52 Suppl:23–33 (58 ref.)
Clinical overview of serotonin reuptake inhibitors. Rickels K, et al. **J Clin Psychiatry** 1990 Dec;51 Suppl B:9–12 (13 ref.)
Dosing strategies for antidepressant agents. Schatzberg AF. **J Clin Psychiatry** 1991 May;52 Suppl:14–20 (30 ref.)
The changing horizon in the treatment of depression: scientific/clinical publication overview. Stokes PE. **J Clin Psychiatry** 1991 May;52 Suppl:35–43 (21 ref.)
Antidepressant treatment and side effect considerations. Tollefson GD. **J Clin Psychiatry** 1991 May;52 Suppl:4–13 (40 ref.)
Pharmacotherapy of dysthymia: a review. Howland RH. **J Clin Psychopharmacol** 1991 Apr;11(2):83–92 (55 ref.)
The clinical significance of lithium–nonsteroidal anti-inflammatory drug interactions. Ragheb M. **J Clin Psychopharmacol** 1990 Oct;10(5):350–4 (38 ref.)
Advances in treatment of anxiety and depressive disorders. Lyles WB, et al. **J Fla Med Assoc** 1990 Aug;77(8):731–4 (40 ref.)
Pharmacodynamic issues relevant to geriatric psychopharmacology. Pollock BG, et al. **J Geriatr Psychiatry Neurol** 1990 Oct–Dec;3(4):221–8 (77 ref.)
The mechanism of action of antidepressants revised. Ackenheil M. **J Neural Transm Suppl** 1990;32:29–37 (47 ref.)
Depression and panic anxiety: the effect of depressive co-morbidity on response to drug treatment of patients with panic disorder and agoraphobia. Klerman GL. **J Psychiatr Res** 1990;24 Suppl 2:27–41 (60 ref.)
The pharmacologic treatment of depression. Potter WZ, et al. **N Engl J Med** 1991 Aug 29;325(9):633–42 (140 ref.)
Assessment of quality control in the use of psychotropics for the treatment of depression: a brief review. Wilmotte J. **Neuropsychobiology** 1989;22(4):208–13 (37 ref.)
Psychopharmacological interventions in HIV infections. Fernandez F. **New Dir Ment Health Serv** 1990 Winter; (48):43–53 (50 ref.)
Continuation and maintenance therapy with antidepressive agents. An overview of research. Loonen AJ, et al. **Pharm Weekbl [Sci]** 1990 Aug 24;12(4):128–41 (115 ref.)
Prodromal symptoms and intermittent drug medication in mood disorders. Fava GA, et al. **Pharmacopsychiatry** 1991 Jan;24(1):28–30 (16 ref.)
Varieties of lithium benefit. Grof P, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(5):689–96 (16 ref.)
Innovative somatic treatments for depression. Zajecka JM, et al. **Psychiatr Med** 1991;9(1):77–103 (205 ref.)
Antidepressant combination and potentiation. Zajecka JM, et al. **Psychiatr Med** 1991;9(1):55–75 (108 ref.)
[Antidepressive agents in the elderly] de Hooge JK. **Tijdschr Gerontol Geriatr** 1990 Dec;21(6):259–67 (56 ref.) (Eng. Abstr.) **(Dut)**
[Clinical evaluation of new antidepressive agents] Ballus C, et al. **Encephale** 1991 May–Jun;17 Spec No 1:133–7 (20 ref.) (Eng. Abstr.) **(Fre)**
[Prescription of lithium in alcoholic patients] Lejoyeux M, et al. **Presse Med** 1991 Jun 29;20(25):1176–80 (20 ref.) (Eng. Abstr.) **(Fre)**
[Psychotropic effect of clonidine—the role of alpha 2 adrenergic receptors in the pathogenesis of mental disorders] Kasperowicz-Dąbrowiecka A, et al. **Psychiatr Pol** 1990 Mar–Apr;24(2):151–9 (40 ref.) **(Pol)**
[Blood levels of tricyclic antidepressants and their clinical effectiveness (review of the literature)] Chekalina ND. **Zh Nevropatol Psikhiatr** 1991;91(5):116–22 (79 ref.) **(Rus)**

EPIDEMIOLOGY

Comorbidity of attention deficit hyperactivity disorder with conduct, depressive, anxiety, and other disorders. Biederman J, et al. **Am J Psychiatry** 1991 May; 148(5):564–77 (118 ref.)
Psychological and sexual aspects of the menopause. Montgomery JC, et al. **Br J Hosp Med** 1991 May; 45(5):300–2 (31 ref.)
Coexisting depression and anxiety: special diagnostic and treatment issues. Lydiard RB. **J Clin Psychiatry** 1991 Jun; 52 Suppl:48–54 (70 ref.)
An analysis of the prevalence and etiology of depression in Parkinson's disease. Habermann–Little B. **J Neurosci Nurs** 1991 Jun;23(3):165–9 (30 ref.)
Suicidal behavior and depressive disorders in adolescents and young adults. Diekstra RF. **Neuropsychobiology** 1989; 22(4):194–207 (63 ref.)
[Depression in the elderly: a review] de Almeida OP, et al. **Rev Paul Med** 1990 Mar–Apr;108(2):88–94 (36 ref.) (Eng. Abstr.) **(Por)**

ETIOLOGY

Mood disorders in children and adolescents. Bleiberg E. **Bull Menninger Clin** 1991 Spring;55(2):182–204 (84 ref.)
Recognition and management of poststroke depression in the elderly. Clothier J, et al. **Clin Geriatr Med** 1991 Aug; 7(3):493–506 (46 ref.)
Depression and cerebral stroke. Catapano F, et al. **J Clin Psychiatry** 1990 Sep;51 Suppl:9–12 (51 ref.)
The paradoxical stress response: a possible common basis for depression and other conditions. Silvestrini B. **J Clin Psychiatry** 1990 Sep;51 Suppl:6–8 (15 ref.)
Poststroke depression: neurologic, physiologic, diagnostic, and treatment implications. Swindell CS, et al. **J Speech Hear Res** 1991 Apr;34(2):325–33 (48 ref.)
[Depression in internal medicine. Cerebral ictus] Giuliani GC, et al. **Minerva Med** 1991 May;82(5):281–4 (24 ref.) (Eng. Abstr.) **(Ita)**
[Paradigmatic behavioral theory of depression by Arthur w. Staats and Elaine M. Heiby] Tyra TL. **Psychiatr Pol** 1990 Jan–Feb;24(1):45–53 (22 ref.) **(Pol)**
[Pain and depressive pathology] Vraști R. **Rev Med Interna Neurol Psihiatr Neurochir Dermatovenerol Neurol Psihiatr Neurochir** 1989 Oct–Dec;34(4):241–50 (80 ref.) **(Rum)**

GENETICS

Current perspectives on the genetics of unipolar depression. Moldin SO, et al. **Behav Genet** 1991 May;21(3):211–42 (180 ref.)
Commentary: a behavioral, psychopharmacological, and neurochemical update on the Flinders Sensitive Line rat, a potential genetic animal model of depression. Overstreet DH. **Behav Genet** 1991 Jan;21(1):67–74 (24 ref.)
The application of genetic methods to the study of disease associations in psychiatry. Crowe RR. **Psychiatr Clin North Am** 1990 Dec;13(4):585–96 (22 ref.)

IMMUNOLOGY

Depression, the immune system, and health and illness. Findings in search of meaning. Stein M, et al. **Arch Gen Psychiatry** 1991 Feb;48(2):171–7 (66 ref.)
Is there immune dysfunction in depressive disorders? [editorial] Hickie I, et al. **Psychol Med** 1990 Nov; 20(4):755–61 (64 ref.)

METABOLISM

Steroids and depression. Murphy BE. **J Steroid Biochem Mol Biol** 1991 May;38(5):537–59 (186 ref.)
Depression and antidepressant therapy: receptor dynamics. Zemlan FP, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(4):503–23 (90 ref.)

PHYSIOPATHOLOGY

The "serotonin hypothesis" for depression in Parkinson's disease. Mayeux R. **Adv Neurol** 1990;53:163–6 (30 ref.)
Clinical correlations of the neurobiological changes of aging. Procter AW, et al. **Ann Med Interne (Paris)** 1990;141 Suppl 1:3–6 (38 ref.)
Role of serotonin in depression. Meltzer HY. **Ann N Y Acad Sci** 1990;600:486–99; discussion 499–500

(99 ref.)
Role of corticotrophin releasing hormone 41 in depressive illness. Licinio J, et al. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):51–8 (33 ref.)
Eating disorders and depression: is there a serotonin connection? Jimerson DC, et al. **Biol Psychiatry** 1990 Sep 1;28(5):443–54 (100 ref.)
A perspective on the thyroid and depression. Joffe RT. **Can J Psychiatry** 1990 Dec;35(9):754–8 (57 ref.)
Research activity at the Max Planck Institute for Psychiatry (Munich): depression in later life. Heuser IJ, et al. **Int Psychogeriatr** 1991 Spring;3(1):75–8 (15 ref.)
Biological basis of depression and therapeutic relevance [published erratum appears in J Clin Psychiatry 1991 Aug;52(8):353] Richelson E. **J Clin Psychiatry** 1991 Jun; 52 Suppl:4–10 (70 ref.)
The 5-HT receptor--G-protein--effector system complex in depression. I. Effect of glucocorticoids. Lesch KP, et al. **J Neural Transm Gen Sect** 1991;84(1–2):3–18 (89 ref.)
Moving ahead yet falling behind. A critical appraisal of some trends in contemporary depression research. van Praag HM. **Neuropsychobiology** 1989;22(4):181–93 (48 ref.)
Animal models of depression reflect changing views on the essence and etiology of depressive disorders in humans. Richardson JS. **Prog Neuropsychopharmacol Biol Psychiatry** 1991; 15(2):199–204 (22 ref.)
[The serotonin hypothesis of depression (published erratum appears in Fortschr Neurol Psychiatr 1991 May;59(5):201)] Lesch KP, et al. **Fortschr Neurol Psychiatr** 1990 Nov; 58(11):427–38 (110 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Treatment of recurrent unipolar major depressive disorder. Commentary on the Pittsburgh Study. Klerman GL. **Arch Gen Psychiatry** 1990 Dec;47(12):1158–62 (28 ref.)
Prophylactic treatment of depression: a public health issue. Montgomery SA, et al. **Neuropsychobiology** 1989; 22(4):214–9 (19 ref.)
[Detection of the anxio-depressive disorders in liaison psychiatry. Contribution of the General Health Questionnaire] Pariente P, et al. **Encephale** 1990 Nov–Dec; 16(6):459–64 (72 ref.) (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Depression and moral identity in adolescence. Reinhard HG. **Acta Paedopsychiatr** 1990;53(2):104–25 (100 ref.)
Cognitive theories of depression. Implications for the investigation of emotional disturbances in childhood and adolescence. Rulcovius G, et al. **Acta Paedopsychiatr** 1990; 53(1):62–70 (36 ref.)
The head injured adolescent: a case report and review of the issues. Reiter S, et al. **Can J Psychiatry** 1990 Nov; 35(8):669–73 (53 ref.)
Cognitive and social cognitive development of depressed children and adolescents. Kovacs M, et al. **J Am Acad Child Adolesc Psychiatry** 1991 May; 30(3):388–92 (35 ref.)
The Depressive Experiences Questionnaire: a critical review. Viglione DJ Jr, et al. **J Pers Assess** 1990 Fall;55(1–2):52–64 (22 ref.)
Postpartum depression: a clinical view. Landy S, et al. **Matern Child Nurs J** 1989 Spring;18(1):1–29 (133 ref.)
The prediction of suicide [see comments] Davis AT, et al. **Med J Aust** 1990 Nov 5;153(9):552–4 (26 ref.) Comment in: Med J Aust 1991 Feb 4;154(3):218.
Depression and anxiety secondary to medical illness. Cassem EH. **Psychiatr Clin North Am** 1990 Dec;13(4):597–612 (51 ref.)
Anxiety secondary to depression. Coryell W. **Psychiatr Clin North Am** 1990 Dec;13(4):685–98 (41 ref.)
The cultural bereavement interview: a new clinical research approach for refugees. Eisenbruch M. **Psychiatr Clin North Am** 1990 Dec;13(4):715–35 (38 ref.)
Secondary depression: observations in alcoholism, Briquet's syndrome, anxiety disorder, schizophrenia, and antisocial personality. A form of comorbidity? Guze SB. **Psychiatr Clin North Am** 1990 Dec;13(4):651–9 (17 ref.)
Chronic fatigue syndrome and depression: conceptual and methodological ambiguities [editorial] Ray C. **Psychol Med** 1991 Feb;21(1):1–9 (84 ref.)
Obsessive–compulsive disorder: course and interaction with depression. A review of the literature. Zitterl W, et al. **Psychopathology** 1990;23(2):73–80 (60 ref.)
The depressed borderline: one disorder or two? Soloff PH, et al. **Psychopharmacol Bull** 1991;27(1):23–30 (43 ref.)
Psychological factors affecting neurological conditions. Depression and stroke, multiple sclerosis, Parkinson's disease, and epilepsy. McNamara ME. **Psychosomatics** 1991 Summer;32(3):255–67 (76 ref.)
[Diurnal variations of symptoms of depression] Tölle R. **Fortschr Neurol Psychiatr** 1991 Apr;59(4):103–16 (62 ref.) (Eng. Abstr.) **(Ger)**
[The distinct quality of the depressed mood. VIII. A review of the concept and a proposal] Ramos Brieva JA, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1991 Jan–Feb;19(1):31–46 (85 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Sleep deprivation therapy. Kuhs H, et al. **Biol Psychiatry** 1991 Jun 1;29(11):1129–48 (140 ref.)
Electroconvulsive therapy. Current concepts. Pearlman C. **Gen Hosp Psychiatry** 1991 Mar;13(2):128–37 (94 ref.)
Strategies for evaluating treatments for major depression in primary care patients. Schulberg HC, et al. **Gen Hosp Psychiatry** 1991 Jan;13(1):9–18 (52 ref.)
Treating refractory depression. Standish-Barry H. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:33–43 (50 ref.)
Community psychiatric nursing and the depressed elderly: a case for using cognitive therapy. Hughes CP. **J Adv Nurs** 1991 May;16(5):565–72 (33 ref.)
Depression in children and adolescents: new data on 'undertreatment' and a literature review on the efficacy of available treatments. Keller MB, et al. **J Affective Disord** 1991 Mar;21(3):163–71 (41 ref.)
Depression: challenges for the future. Dunner DL. **J Clin Psychiatry** 1991 May;52 Suppl:44–51 (105 ref.)
Targeting treatment in patients with mixed symptoms of anxiety and depression. Fawcett J. **J Clin Psychiatry** 1990 Nov;51 Suppl:40–3 (14 ref.)
Long-term treatment of depression. Kupfer DJ. **J Clin Psychiatry** 1991 May;52 Suppl:28–34 (19 ref.)
Lithium interactions: lithium and electroconvulsive therapy. Small JG, et al. **J Clin Psychopharmacol** 1990 Oct; 10(5):346–50 (54 ref.)
Cognitive therapy and pharmacotherapy for depression. Hollon SD, et al. **J Consult Clin Psychol** 1991 Feb; 59(1):88–99 (70 ref.)
ECT and tardive dyskinesia. Hay DP, et al. **J Geriatr Psychiatry Neurol** 1990 Apr–Jun;3(2):106–9 (23 ref.)
Effect of personality disorders on outcome of treatment. Reich JH, et al. **J Nerv Ment Dis** 1991 Feb;179(2):74–82 (36 ref.)
Seasonal affective disorders. Lahmeyer HW. **Psychiatr Med** 1991;9(1):105–14 (44 ref.)
Neuroendocrine hypothesis of antidepressant action of ECT. Fink M. **Psychopharmacol Bull** 1988;24(3):400–2 (12 ref.)
[Electroconvulsive therapy and its mechanism of action] Couvreur V, et al. **Acta Psychiatr Belg** 1989 Jan–Apr; 89(1–2):96–109 (32 ref.) (Eng. Abstr.) **(Fre)**
[Use of electroconvulsive therapy in adolescence] Paillère-Martinot ML, et al. **Encephale** 1990 Sep–Oct; 16(5):399–404 (27 ref.) (Eng. Abstr.) **(Fre)**
[Treatment of depression in old age] Krzymiński S. **Psychiatr Pol** 1989 Sep–Dec;23(5–6):387–95 (58 ref.) **(Pol)**

DEPRESSIVE SYMPTOMS see **DEPRESSION**

DEPRESSIVE SYNDROME see **DEPRESSIVE DISORDER**

DERMABRASION

Advances in dermabrasion. Mandy SH. **Adv Dermatol** 1991; 6:113–22; discussion 123 (23 ref.)

DERMACENTOR

PARASITOLOGY

Rocky Mountain spotted fever. Comer KM. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):27–44 (47 ref.)

DERMAL DRUG ADMINISTRATION see **ADMINISTRATION, CUTANEOUS**

DERMAL SINUS see **SPINA BIFIDA OCCULTA**

DERMATAN SULFATE

METABOLISM

Structural features and binding properties of chondroitin sulfates, dermatan sulfate, and heparan sulfate. Casu B. **Semin Thromb Hemost** 1991;17 Suppl 1:9–14 (23 ref.)

DERMATITIS

COMPLICATIONS

Infantile inflammatory multisystem disease: clinicopathological findings and review of the literature. Horoupian DS, et al. **Clin Neuropathol** 1990 Jul–Aug; 9(4):170–6 (22 ref.)
Mucocutaneous disease in pediatric human immunodeficiency virus infection. Prose NS. **Pediatr Clin North Am** 1991 Aug; 38(4):977–90 (72 ref.)

ETIOLOGY

Keratinocytes as initiators of inflammation [see comments] Barker JN, et al. **Lancet** 1991 Jan 26;337(8735):211–4 (36 ref.) Comment in: Lancet 1991 Jun 8;337(8754):1420.
[Frequent dermatoses in early childhood] Albrecht-Nebe H. **Z Arztl Fortbild (Jena)** 1990;84(23):1217–21 (9 ref.) **(Ger)**

IMMUNOLOGY

Determinants of immune cell trafficking in the skin. Walsh LJ, et al. **Lab Invest** 1990 Nov;63(5):592–600 (92 ref.)

PARASITOLOGY

Swimmer's itch: a cercarial dermatitis. Mulvihill CA, et al. **Cutis** 1990 Sep;46(3):211–3 (12 ref.)

PHYSIOPATHOLOGY

The role of epidermal cytokines in inflammatory skin diseases. Sauder DN. **J Invest Dermatol** 1990 Nov; 95(5):27S–28S (15 ref.)
[Induced inflammation in human normal skin. II. Techniques of objective evaluation] Duteil L, et al. **Ann Dermatol Venereol** 1991;118(4):339–46 (49 ref.) **(Fre)**

DERMATITIS, ATOPIC

Atopic dermatitis in infants and children. Hanifin JM. **Pediatr Clin North Am** 1991 Aug;38(4):763–89 (78 ref.)
Atopic dermatitis. Graham-Brown RA. **Semin Dermatol** 1988 Mar;7(1):37–42 (59 ref.)
[Atopic dermatitis] Croce J. **Rev Alerg Mex** 1990 Jul–Aug; 37(4):119–21 (12 ref.) **(Spa)**

COMPLICATIONS

Seborrheic dermatitis and atopic eczema in human immunodeficiency virus infection. Fröschl M, et al. **Semin Dermatol** 1990 Sep;9(3):230–2 (19 ref.)
[Atopic cataract. Apropos of a case] Jouan N, et al. **Ann Dermatol Venereol** 1991;118(6–7):471–2 (15 ref.) **(Fre)**
[Contact eczema and urticaria in atopic dermatitis] Sourisse M, et al. **Ann Dermatol Venereol** 1990;117(10):747–51 (34 ref.) **(Fre)**

DRUG THERAPY

Pharmacologic modulation of allergic cutaneous inflammation. De Vos C. **Ann Allergy** 1990 Dec; 65(6):509–11 (21 ref.)
Acrivastine. A review of its pharmacological properties and therapeutic efficacy in allergic rhinitis, urticaria and related disorders. Brogden RN, et al. **Drugs** 1991 Jun;41(6):927–40 (64 ref.)
The role of antihistamines in atopic dermatitis. Hanifin JM. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 2):666–9 (29 ref.)
The effects of antihistamines beyond H1 antagonism in allergic inflammation. Massey WA, et al. **J Allergy Clin Immunol** 1990 Dec;86(6 Pt 2):1019–24 (31 ref.)
[Atopic dermatitis: role of oxatomide] Taieb A. **Ann Dermatol Venereol** 1990;117 Suppl 1:15–9 (15 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

IgE and atopic dermatitis. Bruijnzeel-Koomen C, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:294–301 (49 ref.)
Pathogenesis of eczema. Sampson HA. **Clin Exp Allergy** 1990 Sep;20(5):459–67 (86 ref.)
Flare factors and atopic dermatitis: the role of allergy. Dahl MV. **J Dermatol Sci** 1990 Sep;1(5):311–8 (64 ref.)
Food allergy and atopic eczema. Przybilla B, et al. **Semin Dermatol** 1990 Sep;9(3):220–5 (44 ref.)
[Pathogenesis of atopic dermatitis] Kapp A. **Fortschr Med** 1991 Feb 28;109(6):145–8 (0 ref.) (Eng. Abstr.) **(Ger)**
[Frequent dermatoses in early childhood] Albrecht-Nebe H. **Z Arztl Fortbild (Jena)** 1990;84(23):1217–21 (9 ref.) **(Ger)**
[Atopic dermatitis and eosinophils] Yoshida H, et al. **Arerugi** 1991 May;40(5):489–93 (37 ref.) **(Jpn)**
[Food allergy in pathogenesis of atopic dermatitis] Yoshida H. **Nippon Hifuka Gakkai Zasshi** 1990 Nov;100(13):1342–4 (4 ref.) **(Jpn)**

IMMUNOLOGY

Histamine, antihistamines and atopic eczema. Behrendt H, et al. **Clin Exp Allergy** 1990 Nov;20 Suppl 4:25–30 (55 ref.)
The immunology of atopic dermatitis. MacKie RM. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:290–3 (0 ref.)
Immunologic aspects of atopic dermatitis. Hanifin JM. **Dermatol Clin** 1990 Oct;8(4):747–50 (30 ref.)
Mechanisms of atopic dermatitis. Cooper KD. **Immunol Ser** 1989;46:247–76 (169 ref.)
Phosphodiesterase and immune dysfunction in atopic dermatitis. Hanifin JM. **J Dermatol Sci** 1990 Jan;1(1):1–6 (24 ref.)
Immunologic features of atopic dermatitis. Nicolas JF, et al. **Semin Dermatol** 1988 Jun;7(2):156–62 (90 ref.)
[The immunopathology of atopic dermatitis] Amon EU. **Dtsch Med Wochenschr** 1991 Jan 18;116(3):102–7 (56 ref.) **(Ger)**
[Immune regulatory importance of prostaglandins E in atopy] Melnik B, et al. **Hautarzt** 1991 Apr;42(4):211–4 (37 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Lipoxygenase products of arachidonic acid in psoriasis, atopic dermatitis, and experimental arthritis. Fogh K. **Dan Med Bull** 1990 Aug;37(4):289–308 (238 ref.)

MICROBIOLOGY

The role of microorganisms in atopic dermatitis. Svejgaard

E. **Semin Dermatol** 1990 Dec;9(4):255–61 (50 ref.)

PHYSIOPATHOLOGY

[Then physiopathology of atopic dermatitis] Meunier L, et al. **Presse Med** 1990 Dec 8;19(42):1939–43 (25 ref.) (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Psychophysiological aspects of eczema. Cotterill JA. **Semin Dermatol** 1990 Sep;9(3):216–9 (19 ref.)

[The psychosocial status of patients with endogenous eczema. A study using cluster analysis for the correlation of psychological factors with somatic findings] Gieler U, et al. **Hautarzt** 1990 Aug;41(8):416–23 (69 ref.) (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

[New aspects of UV–therapy of atopic dermatitis] Krutmann J, et al. **Hautarzt** 1991 May;42(5):284–8 (39 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

False allergic reactions in children with atopic eczema. David TJ. **Eur J Clin Nutr** 1991;45 Suppl 1:47–51 (32 ref.)

[Alternative treatment possibilities of atopic diseases] Haidvogl M. **Padiatr Padol** 1990;25(6):389–96 (9 ref.) (Eng. Abstr.) **(Ger)**

[Recommendations and guidelines for the treatment of atopic dermatitis] Stögmann W. **Padiatr Padol** 1990;25(4):273–81 (17 ref.) (Eng. Abstr.) **(Ger)**

VETERINARY

Long–term management of atopic disease in the dog. Bevier DE. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1487–507 (57 ref.)

Advances in methodology for diagnosis of allergic skin disease. Sousa CA, et al. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1419–27 (31 ref.)

[Atopic dermatitis in dogs: new diagnostic criteria] Willemse T. **Tierarztl Prax** 1990 Oct;18(5):525–8 (32 ref.) (Eng. Abstr.) **(Ger)**

[Atopic dermatitis in dogs. Symptomatology and diagnosis] Willemse T. **Tierarztl Prax** 1991 Feb;19(1):96–101 (21 ref.) (Eng. Abstr.) **(Ger)**

[Atopic dermatitis in dogs: therapeutic possibilities] Willemse T. **Tierarztl Prax** 1990 Dec;18(6):645–7 (12 ref.) (Eng. Abstr.) **(Ger)**

DERMATITIS, CONTACT

The prognosis of contact dermatitis. Hogan DJ, et al. **J Am Acad Dermatol** 1990 Aug;23(2 Pt 1):300–7 (80 ref.)

Contact dermatitis: prognosis, risk factors, and rehabilitation. Hogan DJ, et al. **Semin Dermatol** 1990 Sep;9(3):233–46 (87 ref.)

COMPLICATIONS

[Contact eczema and urticaria in atopic dermatitis] Sourisse M, et al. **Ann Dermatol Venereol** 1990;117(10):747–51 (34 ref.) **(Fre)**

DIAGNOSIS

Chronic, irritant contact dermatitis: mechanisms, variables, and differentiation from other forms of contact dermatitis. Dahl MV. **Adv Dermatol** 1988;3:261–75 (35 ref.)

Allergic and reactive dermatoses. How to identify and treat them [published erratum appears in Postgrad Med 1991 Aug;90(2):54] Pariser RJ. **Postgrad Med** 1991 Jun; 89(8):75–80, 85 (9 ref.)

ETIOLOGY

Systemic allergic contact dermatitis from intravesical instillation of the antitumor antibiotic mitomycin C. de Groot AC, et al. **Contact Dermatitis** 1991 Mar;24(3):201–9 (49 ref.)

Nickel dermatitis: problems solved and unsolved. Möller H. **Contact Dermatitis** 1990 Oct;23(4):217–20 (23 ref.)

Interferon–gamma and the contact allergic reaction. Scheynius A, et al. **Contact Dermatitis** 1990 Oct;23(4):230–3 (14 ref.)

Management of allergic contact dermatitis due to rubber gloves in health and hospital personnel. Fisher AA. **Cutis** 1991 May;47(5):301–2 (12 ref.)

An international survey on the prognosis of occupational contact dermatitis of the hands. Hogan DJ, et al. **Derm Beruf Umwelt** 1990 Sep–Oct;38(5):143–7 (7 ref.)

Cosmetics and contact dermatitis. Engasser PG. **Dermatol Clin** 1991 Jan;9(1):69–80 (87 ref.)

Propylene glycol dermatitis. Catanzaro JM, et al. **J Am Acad Dermatol** 1991 Jan;24(1):90–5 (51 ref.)

Allergy to coined money: nickel contact dermatitis in cashiers. Gollhausen R, et al. **J Am Acad Dermatol** 1991 Aug;25(2 Pt 2):365–9 (66 ref.)

Contact dermatoses from disposable glove use: a review. Maso MJ, et al. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 1):733–7 (58 ref.)

Systemically induced (hematogenous) contact eczema. Klaschka F, et al. **Semin Dermatol** 1990 Sep;9(3):210–5 (37 ref.)

Nickel contact allergy and a nickel–restricted diet. Veien NK, et al. **Semin Dermatol** 1990 Sep;9(3):197–205 (58 ref.)

Allergologic aspects of skin–cleansing products. Richter G. **Wien Med Wochenschr Suppl** 1990;108:10–2 (25 ref.)

[Eczema caused by contact with sesquiterpene lactones of plants] Sourisse M, et al. **Ann Dermatol Venereol** 1990; 117(9):651–6 (24 ref.) **(Fre)**

[Contact allergies to recently introduced preservatives] Senff H, et al. **Hautarzt** 1991 Apr;42(4):215–9 (47 ref.) (Eng. Abstr.) **(Ger)**

[Importance of choosing suitable gloves for good protective effect. Disinfectants cause eczema and contact urticaria among health personnel] Fischer T, et al. **Lakartidningen** 1991 Mar 20;88(12):1077, 1079–80 (15 ref.) **(Swe)**

IMMUNOLOGY

Cell–mediated immunity: role of IL–3 and IL–6 in the regulation of contact sensitivity reaction. Marcinkiewicz J. **Folia Histochem Cytobiol** 1990;28(3):107–19 (44 ref.)

Immune regulation in allergic and irritant skin reactions. Baadsgaard O, et al. **Int J Dermatol** 1991 Mar;30(3):161–72 (121 ref.)

[Contact hypersensitivity to Kathon CG. Apropos of 35 cases among 977 tested subjects] Ledieu G, et al. **Ann Dermatol Venereol** 1991;118(3):181–9 (41 ref.) (Eng. Abstr.) **(Fre)**

[Prevalence of sensitivity to contact allergens among atopic and non atopic children without dermatitis] Sanz Ortega J, et al. **An Esp Pediatr** 1990 Oct;33(4):339–42 (22 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Sensitization and elicitation of inflammation in contact dermatitis. Bergstresser PR. **Immunol Ser** 1989;46:219–45 (95 ref.)

Histopathology of exogenous and systemic contact eczema. White CR Jr. **Semin Dermatol** 1990 Sep;9(3):226–9 (14 ref.)

PREVENTION & CONTROL

Prevention of occupational contact dermatitis. Mathias CG. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 1):742–8 (29 ref.)

THERAPY

Oral hyposensitization in allergic contact dermatitis. Sjövall P, et al. **Semin Dermatol** 1990 Sep;9(3):206–9 (20 ref.)

VETERINARY

Allergic contact dermatitis in the dog. Principles and diagnosis. Olivry T, et al. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1443–56 (25 ref.)

DERMATITIS, CONTACT, PHOTOSENSITIVE see **PHOTOSENSITIVITY DISORDERS**

DERMATITIS, CONTAGIOUS PUSTULAR see **ECTHYMA, CONTAGIOUS**

DERMATITIS HERPETIFORMIS

Dermatitis herpetiformis. Zone JJ, et al. **Immunol Ser** 1989; 46:565–82 (61 ref.)

Dermatitis herpetiformis. Faure M. **Semin Dermatol** 1988 Jun; 7(2):123–9 (53 ref.)

COMPLICATIONS

Impetigo herpetiformis associated with hypocalcemia of congenital rickets. Holm AL, et al. **Arch Dermatol** 1991 Jan;127(1):91–5 (37 ref.)

DIET THERAPY

Gluten–free diet and elemental diet in dermatitis herpetiformis. van der Meer JB. **Int J Dermatol** 1990 Dec; 29(10):679–92 (146 ref.)

ETIOLOGY

Dermatitis herpetiformis and gluten sensitive enteropathy (including celiac disease)––increased subepithelial extracellular matrix viscosity due to gliadin. Stone OJ. **Med Hypotheses** 1990 Dec;33(4):283–8 (27 ref.)

IMMUNOLOGY

Dermatitis herpetiformis. Otley C, et al. **Dermatol Clin** 1990 Oct;8(4):759–69 (116 ref.)

Dermatitis herpetiformis and the mucosal immune response. Hall RP 3d. **J Autoimmun** 1991 Feb;4(1):47–58 (76 ref.)

THERAPY

Fine points in the management of dermatitis herpetiformis. Fry L. **Semin Dermatol** 1988 Sep;7(3):206–11 (26 ref.)

DERMATITIS MEDICAMENTOSA

Cutaneous drug reactions. Rubianes EI, et al. **Bol Asoc Med P R** 1990 Oct;82(10):434–42 (54 ref.)

[Allergic drug reactions of the skin] Merk HF. **Dtsch Med Wochenschr** 1991 Jul 12;116(28–29):1103–9 (37 ref.) **(Ger)**

DIAGNOSIS

Allergic and reactive dermatoses. How to identify and treat them [published erratum appears in Postgrad Med 1991 Aug;90(2):54] Pariser RJ. **Postgrad Med** 1991 Jun; 89(8):75–80, 85 (9 ref.)

EPIDEMIOLOGY

[Drug eruption in old age] Shiraishi S, et al. **Nippon Hifuka Gakkai Zasshi** 1990 Nov;100(13):1348–9 (5 ref.) **(Jpn)**

ETIOLOGY

Histopathologic reactions to chemotherapeutic agents. Fitzpatrick JE, et al. **Adv Dermatol** 1988;3:161–83 (44 ref.)

Cutaneous drug reactions in human immunodeficiency virus infection [editorial; comment] Coopman SA, et al. **Arch Dermatol** 1991 May;127(5):714–7 (27 ref.) Comment on: Arch Dermatol 1991 May;127(5):740–1. Comment on: Arch Dermatol 1991 May;127(5):741–2.

Systemic allergic contact dermatitis from intravesical instillation of the antitumor antibiotic mitomycin C. de Groot AC, et al. **Contact Dermatitis** 1991 Mar;24(3):201–9 (49 ref.)

Pemphigus and bullous pemphigoid due to drugs. Ruocco V, et al. **Int J Dermatol** 1991 May;30(5):307–12 (32 ref.)

Local anesthetic allergy. Its recognition and avoidance. Glinert RJ, et al. **J Dermatol Surg Oncol** 1991 Jun; 17(6):491–6 (22 ref.)

Captopril–induced lichenoid eruption in an uremic patient [letter] Pascual J, et al. **Nephron** 1990;56(1):110–2 (10 ref.)

Chlorhexidine mouthwash–induced fixed drug eruption. Case report and review of the literature. Moghadam BK, et al. **Oral Surg Oral Med Oral Pathol** 1991 Apr;71(4):431–4 (58 ref.)

[Type IV allergy to components of ophthalmologic drugs] Riedl B, et al. **Klin Monatsbl Augenheilkd** 1991 Apr; 198(4):251–4 (40 ref.) (Eng. Abstr.) **(Ger)**

[Review of the literature on adverse reactions to sunscreens 1947 to 1989] Schauder S. **Z Hautkr** 1990 Nov; 65(11):982–98 (90 ref.) (Eng. Abstr.) **(Ger)**

[Complications of the treatment with non–steroidal anti–inflammatory drugs] Gritsiuk AI, et al. **Sov Med** 1990; (10):39–43 (55 ref.) **(Rus)**

[Subcutaneous nodules and sensitivity to aluminum in patients undergoing hyposensitivity immunotherapy] Garcia–Patos V, et al. **Med Cutan Ibero Lat Am** 1990;18(2):83–8 (27 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Drug eruptions: a review of clinical and immunological features. Kalish RS. **Adv Dermatol** 1991;6:221–37; discussion 238 (91 ref.)

VETERINARY

Cutaneous drug eruptions. Mason KV. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1633–53 (38 ref.)

DERMATITIS, PHOTOCONTACT see **PHOTOSENSITIVITY DISORDERS**

DERMATITIS SEBORRHEICA see **SEBORRHEA**

DERMATITIS VENENATA see **DERMATITIS, CONTACT**

DERMATITIS VERRUCOSA see **CHROMOBLASTOMYCOSIS**

DERMATOLOGIC AGENTS

see related **ANTI–INFECTIVE AGENTS, LOCAL**

ADMINISTRATION & DOSAGE

[General principles of eczema therapy] Harnack K. **Z Arztl Fortbild (Jena)** 1990;84(23):1184–6 (11 ref.) **(Ger)**

[Bacterial diseases of the skin in general practice] Hübner U, et al. **Z Arztl Fortbild (Jena)** 1990;84(23):1194–7 (8 ref.) **(Ger)**

[Clinical experiences of interval treatment with dermatologic agents containing urea] Petres J, et al. **Z Hautkr** 1990 Aug; 65(8):740–5 (46 ref.) (Eng. Abstr.) **(Ger)**

PHARMACOLOGY

The chemical peel. Peters W. **Ann Plast Surg** 1991 Jun; 26(6):564–71 (32 ref.)

Azelaic acid. A review of its pharmacological properties and therapeutic efficacy in acne and hyperpigmentary skin disorders. Fitton A, et al. **Drugs** 1991 May;41(5):780–98 (100 ref.)

THERAPEUTIC USE

The future of topical therapy for cutaneous aging. Shupack JL, et al. **J Dermatol Surg Oncol** 1990 Oct;16(10):941–4 (24 ref.)

DERMATOLOGY

see related
SKIN DISEASES

Personal computers: building better projects in medicine. Anderson PC. **Adv Dermatol** 1991;6:239–60; discussion 261 (39 ref.)
Information networks and their impact upon medicine. Rosenthal LE. **Ann Acad Med Singapore** 1990 Sep; 19(5):621–6 (10 ref.)
Dermatology. Dover JS, et al. **JAMA** 1991 Jun 19; 265(23):3111–3 (15 ref.)

METHODS

Office dermatologic surgery and laser therapy. Roenigk RK. **Postgrad Med** 1991 Aug;90(2):209–15 (23 ref.)

DERMATOLYSIS see **CUTIS LAXA**

DERMATOMEGALY see **CUTIS LAXA**

DERMATOMYCOSES

Lobomycosis (keloidal blastomycosis): case reports and overview. Fuchs J, et al. **Cutis** 1990 Sep;46(3):227–34 (21 ref.)

COMPLICATIONS

Cushing's disease and cutaneous alternariosis. Guerin V, et al. **Arch Intern Med** 1991 Sep;151(9):1865–8 (39 ref.)

DIAGNOSIS

[Cutaneous aspergillosis] Arrese Estrada J, et al.
Rev Med Liege 1991 Feb;46(2):92–7 (64 ref.) **(Fre)**

DRUG THERAPY

Management of fungal skin infections with 15 days itraconazole treatment: a worldwide review. De Doncker P, et al. **Br J Clin Pract Symp Suppl** 1990 Sep;71:118–22 (28 ref.)
Griseofulvin: a new look at an old drug. Araujo OE, et al. **DICP** 1990 Sep;24(9):851–4 (23 ref.)
Treatment of fungal skin infections: state of the art. Jacobs PH. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 2):549–51 (3 ref.)
Problems of resistant dermatophytes. Jones HE. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 2):779–81 (6 ref.)
Itraconazole in common dermatophyte infections of the skin: fixed treatment schedules. Saul A, et al. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 2):554–8 (9 ref.)
Antifungal drugs in dermatology. Hay RJ. **Semin Dermatol** 1990 Dec;9(4):309–17 (57 ref.)
[Systemic antimycotics in the therapy of patients with foot mycoses] Rukavishnikova VM, et al.
Vestn Dermatol Venerol 1990;(6):24–8 (50 ref.) **(Rus)**

ETIOLOGY

[Mollusca contagiosa-like cutaneous cryptococcosis in AIDS: a case] Poizot-Martin I, et al.
Ann Dermatol Venereol 1991;118(1):29–32 (21 ref.) **(Fre)**
[Frequent dermatoses in early childhood] Albrecht-Nebe H.
Z Arztl Fortbild (Jena) 1990;84(23):1217–21 (9 ref.) **(Ger)**

GENETICS

[Dermographic disease in Algeria. A new case and review of the literature] Boudghene-Stambouli O, et al.
Ann Dermatol Venereol 1991;118(1):17–21 (14 ref.) **(Fre)**

IMMUNOLOGY

Recent trends in the immunology of dermatophytosis. Svejgaard E. **Microbiol Sci** 1986 May;3(5):154–9 (38 ref.)

MICROBIOLOGY

Diagnosis and pathogenesis of dermatophyte infections. Richardson MD. **Br J Clin Pract Symp Suppl** 1990 Sep; 71:98–102 (5 ref.)
The role of Pityrosporum ovale in seborrheic dermatitis. Bergbrant IM, et al. **Semin Dermatol** 1990 Dec;9(4):262–8 (103 ref.)
Fungal infections of the nail. Haneke E. **Semin Dermatol** 1991 Mar;10(1):41–53 (75 ref.)

PATHOLOGY

Hendersonula toruloidea and Scytalidium hyalinum. Review and update. Elewski BE, et al. **Arch Dermatol** 1991 Jul; 127(7):1041–4 (29 ref.)
Cutaneous aspergillosis. Böhler K, et al.
Clin Exp Dermatol 1990 Nov;15(6):446–50 (17 ref.)

TRANSMISSION

Fungal skin infections associated with animal contact. Radentz WH. **Am Fam Physician** 1991 Apr;43(4):1253–6 (10 ref.)

VETERINARY

Review of animal mycoses in Australia. Connole MD. **Mycopathologia** 1990 Sep;111(3):133–64 (209 ref.)
Systematic control of dermatophytosis profunda of cattle in the former GDR. Kielstein P. **Mycoses** 1990 Nov–Dec; 33(11–12):575–9 (7 ref.)
Management of dermatophyte infections in catteries and multiple-cat households. Moriello KA.
Vet Clin North Am Small Anim Pract 1990 Nov; 20(6):1457–74 (16 ref.)

DERMATOMYOSITIS

Dermatomyositis: current controversies 1987. Callen JP. **Adv Dermatol** 1988;3:3–23 (74 ref.)
Polymyositis/dermatomyositis: the current position. Urbano-Márquez A, et al. **Ann Rheum Dis** 1991 Mar; 50(3):191–5 (64 ref.)
Collagen vascular diseases of childhood. Jones EM, et al. **Pediatr Clin North Am** 1991 Aug;38(4):1019–39 (82 ref.)
Juvenile dermatomyositis: a clinical overview. Pachman LM. **Pediatr Rev** 1990 Oct;12(4):117–25 (11 ref.)

COMPLICATIONS

[Mycobacterium kansasii extensive subcutaneous infection in dermatomyositis (letter)] Algayrès JP, et al.
Ann Med Interne (Paris) 1990;141(7):633–5 (15 ref.) **(Fre)**
[Interstitial pulmonary involvement of polymyositis and dermatomyositis. Apropos of 3 cases. Review of the literature] Flammang d'Ortho MP, et al.
Rev Pneumol Clin 1991;47(1):29–36 (58 ref.) (Eng. Abstr.) **(Fre)**
[Lesions of the gastrointestinal tract in children with dermatomyositis] Musaev SN. **Pediatriia** 1990;(10):101–5 (79 ref.) **(Rus)**
[Dermatomyositis. Clinico-histologic study of its skin manifestations] Soto de Delás J, et al.
Rev Med Univ Navarra 1989 Jul–Sep;33(3):135–47 (51 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Lupus erythematosus and dermatomyositis. Ragsdale CG. **Curr Opin Rheumatol** 1990 Oct;2(5):804–8 (14 ref.)

GENETICS

Dermatomyositis-like syndrome in X-linked hypogammaglobulinemia. Case-report and review of the literature. Thyss A, et al. **Acta Derm Venereol (Stockh)** 1990;70(4):309–13 (20 ref.)

IMMUNOLOGY

Childhood scleromyositis: an overlap syndrome associated with PM-Scl antibody. Błaszczyk M, et al.
Pediatr Dermatol 1991 Mar;8(1):1–8 (10 ref.)
[Dermatomyositis—pathogenesis, diagnosis, therapy] Storch W. **Fortschr Med** 1991 May 30;109(16):341–3 (0 ref.) (Eng. Abstr.) **(Ger)**
[Cellular immunity and the autoantibody system in polymyositis and dermatomyositis] Ljubičić N, et al.
Lijec Vjesn 1991 Mar-Apr;113(3-4):95–9 (65 ref.) (Eng. Abstr.) **(Scr)**

PATHOLOGY

Amyopathic dermatomyositis (dermatomyositis siné myositis). Presentation of six new cases and review of the literature. Euwer RL, et al. **J Am Acad Dermatol** 1991 Jun; 24(6 Pt 1):959–66 (12 ref.)
[Manifestations in skeletal muscle] Pongratz D.
Verh Dtsch Ges Inn Med 1990;96:575–81 (8 ref.) **(Ger)**

THERAPY

Treatment of polymyositis and dermatomyositis. Dalakas M. **Curr Opin Rheumatol** 1989 Dec;1(4):443–9 (5 ref.)
Polymyositis and dermatomyositis 1990—diagnosis, treatment and prognosis. Henriksson KG, et al.
Prog Neurobiol 1990;35(3):181–93 (62 ref.)

DERMATOPHYTES

IMMUNOLOGY

Serological procedures to detect dermatophyte antigens. Polonelli L, et al. **Immunol Ser** 1989;47:419–57 (427 ref.)

PHYSIOLOGY

Diagnosis and pathogenesis of dermatophyte infections. Richardson MD. **Br J Clin Pract Symp Suppl** 1990 Sep; 71:98–102 (5 ref.)

DERMATOPLASTY see **SKIN TRANSPLANTATION**

DERMATOSCLEROSIS see **SCLERODERMA, CIRCUMSCRIBED**

DERMOID see **DERMOID CYST**

DERMOID CYST

DIAGNOSIS

Dermoid cyst of the pancreas. Case report and review of the literature. Vermeulen BJ, et al.
Gastroenterol Clin Biol 1990;14(12):1023–5 (16 ref.)

EPIDEMIOLOGY

Nasal dermoid sinus cysts: association with intracranial extension and multiple malformations. Wardinsky TD, et al. **Cleft Palate Craniofac J** 1991 Jan;28(1):87–95 (32 ref.)

PATHOLOGY

Mature cystic teratoma of the uterine cervix. Iwanaga S, et al. **Asia Oceania J Obstet Gynaecol** 1990 Dec;16(4):363–6 (11 ref.)
Malignant melanoma arising in a dermoid cyst of the ovary. Ueda Y, et al. **Cancer** 1991 Jun 15;67(12):3141–5 (20 ref.)
[Dermoid of the cornea. Report of 2 cases of Ida Mann's 2nd type] Ndiaye PA, et al. **J Fr Ophtalmol** 1990; 13(6-7):355–9 (17 ref.) (Eng. Abstr.) **(Fre)**
[A case of melanosis ovarii et peritonei] Kagiya A, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1990 Nov; 42(11):1571–4 (15 ref.) **(Jpn)**

DESENSITIZATION, IMMUNOLOGIC

Current status of mold immunotherapy. Dhillon M.
Ann Allergy 1991 May;66(5):385–92 (30 ref.)
Allergen immunotherapy. When is it useful? Loblay RH.
Drugs 1990 Oct;40(4):493–7 (27 ref.)
[The significance of desensitization therapy] Pelikan Z.
Ned Tijdschr Geneeskd 1990 Dec 29;134(52):2518–20 (14 ref.) **(Dut)**
[Subcutaneous nodules and sensitivity to aluminum in patients undergoing hyposensitivity immunotherapy] García-Patos V, et al. **Med Cutan Ibero Lat Am** 1990;18(2):83–8 (27 ref.) (Eng. Abstr.) **(Spa)**

METHODS

Recent advances in specific immunotherapy for allergic rhinitis. Bousquet J, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:259–61 (14 ref.)
New and improved vaccines for the 1990s. Lowenstein H. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:227–31 (8 ref.)
Oral hyposensitization in allergic contact dermatitis. Sjövall P, et al. **Semin Dermatol** 1990 Sep;9(3):206–9 (20 ref.)
[General considerations on desensitization by the sublingual route] Le Sellin J, et al. **Allerg Immunol (Paris)** 1991 Mar; 23(3):104–7 (3 ref.) (Eng. Abstr.) **(Fre)**
[Hyposensitization: indications and expectations] Urbanek R.
Padiatr Padol 1990;25(6):397–404 (13 ref.) (Eng. Abstr.) **(Ger)**

DESENSITIZATION (PSYCHOLOGY)

METHODS

Guided mastery treatment of agoraphobia: beyond stimulus exposure. Williams SL. **Prog Behav Modif** 1990;26:89–121 (50 ref.)

DESFERRIOXAMINE see **DEFEROXAMINE**

DESICKLING AGENTS see **ANTISICKLING AGENTS**

DESIGNER DRUGS

see related
STREET DRUGS

"Designer drugs"—a current perspective. Jerrard DA.
J Emerg Med 1990 Nov-Dec;8(6):733–41 (90 ref.)
[MDMA ("ecstasy"): a currently used drug in Spain] Prat A, et al. **Rev Clin Esp** 1991 Feb;188(2):106–8 (23 ref.) **(Spa)**

ADVERSE EFFECTS

Substance abuse: the designer drugs. Beebe DK, et al.
Am Fam Physician 1991 May;43(5):1689–98 (30 ref.)

PHARMACOLOGY

Phenylalkylamine stimulants, hallucinogens, and designer drugs. Glennon RA. **NIDA Res Monogr** 1991;105:154–60 (9 ref.)

TOXICITY

Neurotoxic effect of MDMA on brain serotonin neurons: evidence from neurochemical and radioligand binding studies. De Souza EB, et al. **Ann N Y Acad Sci** 1990; 600:682–97; discussion 697–8 (28 ref.)
Neurotoxicity of MDMA: neurochemical effects. Schmidt CJ, et al. **Ann N Y Acad Sci** 1990;600:665–80; discussion 680–1 (34 ref.)

DESIPRAMINE

PHARMACOLOGY

Preclinical evaluation of the effects of buprenorphine, naltrexone and desipramine on cocaine self-administration. Mello NK. **NIDA Res Monogr** 1991;105:189–95 (7 ref.)

DESITRIPTYLINE see **NORTRIPTYLINE**

DESMETHYLAMITRIPTYLIN see **NORTRIPTYLINE**

DESMETHYLIMIPRAMINE

DESMETHYLIMIPRAMINE see **DESIPRAMINE**

DESMOID see **FIBROMA**

DESMOPRESSIN

ADMINISTRATION & DOSAGE

[Pregnancy in diabetes insipidus—a case report with review of the literature] Cap R, et al. **Zentralbl Gynakol** 1990; 112(12):773–8 (30 ref.) (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Management of uremic bleeding [see comments] Couch P, et al. **Clin Pharm** 1990 Sep;9(9):673–81 (94 ref.) Comment in: Clin Pharm 1991 Jun;10(6):429.

Desmopressin and antifibrinolytics. Horrow JC. **Int Anesthesiol Clin** 1990 Fall;28(4):230–6 (47 ref.)

Con: desmopressin is not of value in the treatment of post-cardiopulmonary bypass bleeding. Hackmann T, et al. **J Cardiothorac Vasc Anesth** 1991 Jun;5(3):290–3 (28 ref.)

Pro: desmopressin is of value in the treatment of post-cardiopulmonary bypass bleeding. Shiffrin JS, et al. **J Cardiothorac Vasc Anesth** 1991 Jun;5(3):285–9 (59 ref.)

[The use of desmopressin in the treatment of hemorrhagic syndromes] Vicente V, et al. **Med Clin (Barc)** 1990 Oct 13;95(12):466–9 (55 ref.) **(Spa)**

DESMOSOMES

CHEMISTRY

Desmosomes and hemidesmosomes: constitutive molecular components. Schwarz MA, et al. **Annu Rev Cell Biol** 1990; 6:461–91 (121 ref.)

DESOXYADRENALINE see **DEOXYEPINEPHRINE**

DESOXYCORTICOSTERONE

SECRETION

A case of deoxycorticosterone-producing benign adrenocortical tumor. Saha PK, et al. **Urol Int** 1990; 45(6):367–9 (7 ref.)

DESOXYCORTONE see **DESOXYCORTICOSTERONE**

DESOXYNOREPHEDRIN see **AMPHETAMINE**

DESTOMBES-ROSAI-DORFMAN SYNDROME see **HISTIOCYTOSIS, SINUS**

DESULFOVIBRIO

ENZYMOLOGY

Structural and functional approach toward a classification of the complex cytochrome c system found in sulfate-reducing bacteria. Moura JJ, et al. **Biochim Biophys Acta** 1991 May 23;1058(1):61–6 (89 ref.)

DESULFOVIRIDINS see **SULFITE REDUCTASES**

DETERGENTS

The critical role of detergents in the crystallization of membrane proteins. Rosenbusch JP. **J Struct Biol** 1990 Jul–Sep;104(1–3):134–8 (55 ref.)

ADVERSE EFFECTS

Association of rug shampooing and Kawasaki disease. Daniels SR, et al. **J Pediatr** 1991 Mar;118(3):485–8 (12 ref.)

Allergologic aspects of skin-cleansing products. Richter G. **Wien Med Wochenschr Suppl** 1990;108:10–2 (25 ref.)

[Significance of laundry detergent residues from a dermato-toxicological viewpoint] Matthies W, et al. **Derm Beruf Umwelt** 1990 Nov–Dec;38(6):184–9 (36 ref.) (Eng. Abstr.) **(Ger)**

PHARMACOLOGY

[Purification and reconstitution of membrane carrier proteins] Szewczyk A, et al. **Postepy Biochem** 1989;35(4):469–92 (180 ref.) **(Pol)**

[Effect of detergents on the solubilization of 5'-nucleotidase from the thyroid gland] Piotrowska E, et al. **Rocz Akad Med Bialymst** 1988–89;33–34:11–21 (32 ref.) (Eng. Abstr.) **(Pol)**

TOXICITY

Chronic toxicities of surfactants and detergent builders to algae: a review and risk assessment. Lewis MA. **Ecotoxicol Environ Safety** 1990 Oct;20(2):123–40 (94 ref.)

[Soil hygiene after irrigation of agricultural fields with sewage water containing surface-active substances (review of the literature)] Mudryl IV. **Gig Sanit** 1990 Aug;(8):27–30 (34 ref.) **(Rus)**

DETERMINATION OF HEALTH CARE NEEDS see **HEALTH SERVICES NEEDS AND DEMAND**

DETOXICATION, DRUG, METABOLIC see **METABOLIC DETOXICATION, DRUG**

DEUTERIUM

Synthetic procedures for the preparation of deuterium-labeled analogs of naturally occurring steroids. Wudy SA. **Steroids** 1990 Oct;55(10):463–71 (41 ref.)

DIAGNOSTIC USE

The validation of freely diffusible tracer methods with NMR detection for measurement of blood flow. Neil JJ. **Magn Reson Med** 1991 Jun;19(2):299–304 (20 ref.)

DEUTEROMYCETES

PHYSIOLOGY

Biochemical activities of entomophagous fungi. Domnas AJ, et al. **Crit Rev Microbiol** 1991;18(1):1–13 (106 ref.)

New concepts in the interpretation of conidiogenesis in deuteromycetes. Minter DW. **Microbiol Sci** 1984 Jul; 1(4):86–9 (22 ref.)

DEUTERONS see **DEUTERIUM**

DEVELOPING COUNTRIES

Problems in diagnosing and treating childhood hematopoietic malignancies in Cameroon, West Africa. Fosi-Mbantenkhu J. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):378–80 (0 ref.)

Epidemiologic surveillance in developing countries. Frerichs RR. **Annu Rev Public Health** 1991;12:257–80 (42 ref.)

Research on secular trends in auxology. Malina RM. **Anthropol Anz** 1990 Sep;48(3):209–27 (90 ref.)

Respiratory rate and pneumonia in infancy. Berman S, et al. **Arch Dis Child** 1991 Jan;66(1):81–4 (12 ref.)

Determinants of maternal mortality in the developing world. Stokoe U. **Aust N Z J Obstet Gynaecol** 1991 Feb;31(1):8–16 (54 ref.)

Gastroenterological aspects of AIDS in the Third World. Anderson M. **Baillieres Clin Gastroenterol** 1990 Jun; 4(2):375–83 (32 ref.)

Child psychiatry in developing countries. Nikapota AD. **Br J Psychiatry** 1991 Jun;158:743–51 (70 ref.)

Planning and analysis of evaluations of health case interventions in developing countries. Steinhoff MC. **Bull Int Union Tuberc Lung Dis** 1990 Dec;65(4):19–22 (25 ref.)

Diet and caries in high-risk groups in developed and developing countries. Holm AK. **Caries Res** 1990;24 Suppl 1:44–52; discussion 53–8 (73 ref.)

Cross-cultural perspectives and research directions for the 21st century. Korbin JE. **Child Abuse Negl** 1991;15 Suppl 1:67–77 (100 ref.)

Health care in the developing world: need for appropriate laboratory technology [see comments] Heuck CC, et al. **Clin Chem** 1991 Apr;37(4):490–6 (20 ref.) Comment in: Clin Chem 1991 Apr;37(4):488–9.

Rubella in the developing world. Miller CL. **Epidemiol Infect** 1991 Aug;107(1):63–8 (32 ref.)

Infections in cancer patients: differences between developed and less developed countries? [comment] Schimpff SC. **Eur J Cancer** 1991;27(4):407–8 (11 ref.) Comment on: Eur J Cancer 1991;27(4):423–6.

Is diarrhoea a major cause of mainutrition among the under-fives in developing countries? A review of available evidence. Briend A. **Eur J Clin Nutr** 1990 Sep;44(9):611–28 (90 ref.)

Cancer registration in developing countries. Parkin DM, et al. **IARC Sci Publ** 1991;(95):185–98 (0 ref.)

Acute respiratory infections. Berman S. **Infect Dis Clin North Am** 1991 Jun;5(2):319–36 (63 ref.)

Nutritional problems of developing countries. Brown KH, et al. **Infect Dis Clin North Am** 1991 Jun;5(2):297–317 (190 ref.)

Chemicals and environmentally caused diseases in developing countries. Jamall IS, et al. **Infect Dis Clin North Am** 1991 Jun;5(2):365–75 (52 ref.)

The role of clinical epidemiology in establishing essential national health research capabilities in developing countries. Morrow RH Jr, et al. **Infect Dis Clin North Am** 1991 Jun;5(2):235–46 (23 ref.)

Applications and transfer of technology to the nations of the South. Biotechnology and the control of childhood enteric infections. Schoolnik GK. **Infect Dis Clin North Am** 1991 Jun;5(2):265–75 (11 ref.)

Microcomputer applications for primary health care in developing countries. Wilson RG, et al. **Infect Dis Clin North Am** 1991 Jun;5(2):247–64 (40 ref.)

Health education interventions in developing countries: a methodological review of published articles. Loevinsohn BP. **Int J Epidemiol** 1990 Dec;19(4):788–94 (80 ref.)

Renal lesions in leprosy [editorial] Chugh KS, et al. **J Assoc Physicians India** 1991 Feb;39(2):163–4 (39 ref.)

Role of breast-feeding in the prevention and treatment of diarrhoea. Huffman SL, et al. **J Diarrhoeal Dis Res** 1990 Sep;8(3):68–81 (57 ref.)

Nursing aspects of infection control in developing countries. Sobayo EI. **J Hosp Infect** 1991 Jun;18 Suppl A:388–91 (4 ref.)

Epidemiology of cardiovascular disease in developing countries. Akinkugbe OO. **J Hypertens Suppl** 1990 Dec; 8(7):S233–8 (41 ref.)

Slowing the spread of human immunodeficiency virus in developing countries. Potts M, et al. **Lancet** 1991 Sep 7; 338(8767):608–13 (18 ref.)

Epidemiology of hepatitis delta virus infection in less developed countries. Hadler SC, et al. **Prog Clin Biol Res** 1991;364:21–31 (15 ref.)

Experiences with psychotherapy training in India. Hoch EM. **Psychother Psychosom** 1990;53(1–4):14–20 (8 ref.)

Histopathology of childhood pneumonia in developing countries. Anderson VM, et al. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S470–6 (42 ref.)

Mortality due to shigellosis: community and hospital data. Bennish ML, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S245–51 (46 ref.)

Haemophilus influenzae disease and immunization in developing countries. Funkhouser A, et al. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S542–54 (103 ref.)

Pathogenesis of pneumococcal pneumonia. Johnston RB Jr. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S509–17 (105 ref.)

Control of acute lower respiratory illness in the developing world: an assessment of vaccine intervention. Karzon DT. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S571–7 (71 ref.)

Nutritional effects on response of children in developing countries to respiratory tract pathogens: implications for vaccine development. Keusch GT. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S486–91 (54 ref.)

Pathogenesis of respiratory infections due to influenza virus: implications for developing countries. Leigh MW, et al. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S501–8 (37 ref.)

The burden of acute respiratory infection due to measles in developing countries and the potential impact of measles vaccine. Markowitz LE, et al. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S555–61 (63 ref.)

Antimicrobial therapy for shigellosis. Salam MA, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S332–41 (109 ref.)

Viral vaccines for the prevention of childhood pneumonia in developing nations: priorities and prospects. Steinhoff MC. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S562–70 (102 ref.)

Pertussis in developing countries: definition of the problem and prospects for control. Wright PF. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S528–34 (29 ref.)

Genital infections and reproductive health: infertility and morbidity of mother and child in developing countries. Bergström S. **Scand J Infect Dis Suppl** 1990;69:99–105 (48 ref.)

Vaccinations in the health strategies of developing countries. Henderson RH. **Scand J Infect Dis Suppl** 1990;76:7–14 (3 ref.)

Vaccines in health strategies for developing countries—priorities and technology transfer. Shao JF. **Scand J Infect Dis Suppl** 1990;76:15–9 (7 ref.)

Urbanisation and health: methodological difficulties in undertaking epidemiological research in developing countries. Yach D, et al. **Soc Sci Med** 1990;31(4):507–14 (43 ref.)

Tuberculosis in developing countries and methods for its control. Rodrigues LC, et al. **Trans R Soc Trop Med Hyg** 1990 Sep–Oct;84(5):739–44 (28 ref.)

Recent developments in the nutritional management of diarrhoea. 1. Nutritional strategies to prevent diarrhoea among children in developing countries. Tomkins A. **Trans R Soc Trop Med Hyg** 1991 Jan–Feb;85(1):4–7 (24 ref.)

Indoor air pollution in developing countries. Chen BH, et al. **World Health Stat Q** 1990;43(3):127–38 (53 ref.)

The impact of inadequate sanitary conditions on health in developing countries. Huttly SR. **World Health Stat Q** 1990;43(3):118–26 (57 ref.)

The nutrition and health impact of cash cropping in west Africa: a historical perspective. Brun TA. **World Rev Nutr Diet** 1991;65:124–62 (39 ref.)

The impact of agricultural projects on food, nutrition and health. Brun TA, et al. **World Rev Nutr Diet** 1991;65:99–123 (31 ref.)

[Socioeconomic aspects of human immunodeficiency virus (HIV) infection in developing countries] Gentilini M, et al. **Bull Acad Natl Med** 1990 Nov;174(8):1209–19; discussion 1219–21 (21 ref.) (Eng. Abstr.) **(Fre)**

[Foreign adoptions. The state of research and sequelae] Textor MR. **Prax Kinderpsychol Kinderpsychiatr** 1991 Feb; 40(2):42–9 (35 ref.) (Eng. Abstr.) **(Ger)**

[AIDS: risk for tourists and assistants in developing countries?] Frei M, et al. **Ther Umsch** 1990 Oct; 47(10):819–26 (45 ref.) (Eng. Abstr.) **(Ger)**

[Primary health care in developing countries] Anker H. **Tidsskr Nor Laegeforen** 1991 Jun 20;111(16):1967–72 (31 ref.) (Eng. Abstr.) **(Nor)**

[Dentistry in developing countries] Nilsen R. **Tidsskr Nor Laegeforen** 1991 Jun 30;111(17):2107–9 (24 ref.) (Eng. Abstr.) **(Nor)**

["Tellus", the Earth as a patient: global health status—a diagnostic approach] Wathne KO. **Tidsskr Nor Laegeforen** 1991 Apr 10;111(9):1114–8 (22 ref.) (Eng. Abstr.) **(Nor)**

ECONOMICS

Public and private donor financing for health in developing

countries. Howard LM. **Infect Dis Clin North Am** 1991 Jun;5(2):221–34 (11 ref.)

STATISTICS & NUMERICAL DATA

Effects of agricultural pesticides on humans, animals, and higher plants in developing countries. Igbedioh SO. **Arch Environ Health** 1991 Jul–Aug;46(4):218–24 (52 ref.)

Lung cancer in developed and developing countries. Stanley K, et al. **Cancer Treat Res** 1989;45:1–14 (16 ref.)

Zoonoses in India. Sehgal S, et al. **J Commun Dis** 1990 Dec; 22(4):227–35 (28 ref.)

Epidemiology of acute respiratory infections in children of developing countries. Berman S. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S454–62 (55 ref.)

The epidemiology of HIV and other sexually transmitted infections in the developing world. Piot P, et al. **Scand J Infect Dis Suppl** 1990;69:89–97 (61 ref.)

Epidemiology of HIV infections. Design options with special reference to developing countries. Sandström A, et al. **Scand J Infect Dis Suppl** 1990;69:173–80 (7 ref.)

[The worldwide AIDS epidemic and the role of Danida in the international control work] Staugård F, et al. **Ugeskr Laeger** 1990 Dec 31;153(1):4–9 (20 ref.) (Eng. Abstr.) **(Dan)**

[Drugs in developing countries. Current status, problems and possible solutions] Jallow MT, et al. **Tidsskr Nor Laegeforen** 1991 Jun 20;111(16):1960–7 (31 ref.) (Eng. Abstr.) **(Nor)**

[Alcohol and drug problems in the Third World] Mork T. **Tidsskr Nor Laegeforen** 1991 Jun 10;111(15):1855–7 (16 ref.) (Eng. Abstr.) **(Nor)**

[Dracunculosis—a retreating scourge] Seim AR. **Tidsskr Nor Laegeforen** 1991 Jun 10;111(15):1857–60 (13 ref.) (Eng. Abstr.) **(Nor)**

DEVELOPMENTAL BIOLOGY

Paradoxes between genetics and development. Holliday R. **J Cell Sci** 1990 Nov;97 (Pt 3):395–8 (23 ref.)

DEVELOPMENTAL DELAY DISORDERS see **CHILD DEVELOPMENT DISORDERS**

DEVICES see **EQUIPMENT AND SUPPLIES**

DEXAMETHASONE

DIAGNOSTIC USE

The dexamethasone suppression test in Alzheimer's disease and major depression: relationship to dementia severity, depression, and CSF monoamines. Molchan SE, et al. **Int Psychogeriatr** 1990 Fall;2(2):99–122 (80 ref.)

The dexamethasone suppression test in dementia: a review of the literature. Skare S, et al. **J Geriatr Psychiatry Neurol** 1990 Jul–Sep;3(3):124–38 (59 ref.)

PHARMACOLOGY

Human cytomegalovirus: cellular function(s) required for virus replication. Tanaka J, et al. **Microbiol Sci** 1985 Dec; 2(12):353–4, 357–8 (29 ref.)

[Effects of age and selected inductors of aromatic hydrocarbon hydroxylase (AHH) activity in the rat liver] Plewka A, et al. **Folia Med Cracov** 1990;31(3):147–56 (23 ref.) (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Dexamethasone and nonsteroidal anti-inflammatory agents in the treatment of bacterial meningitis. Roos KL. **Clin Ther** 1990 Jul–Aug;12(4):290–6; discussion 289 (22 ref.)

The role of corticosteroids in infants and children with bacterial meningitis. Bahal N, et al. **DICP** 1991 May; 25(5):542–5 (23 ref.)

DEXPROPRANOLOL see **PROPRANOLOL**

DEXTRAN SULFATE

PHARMACOLOGY

Dextran inhibition of human immunodeficiency virus. Heidorn L, et al. **DICP** 1991 Jun;25(6):606–7 (13 ref.)

DEXTRANS

ADMINISTRATION & DOSAGE

[Current state of the problem of anemia in pregnancy and the corrective therapy of postpartum hemorrhage] Saburov KhS, et al. **Akush Ginekol (Mosk)** 1990 Jul;(7):10–2 (45 ref.) **(Rus)**

ADVERSE EFFECTS

Hyskon complications in hysteroscopic surgery. McLucas B. **Obstet Gynecol Surv** 1991 Apr;46(4):196–200 (29 ref.)

PHARMACOLOGY

[Pharmacokinetics and changes in the physical properties of blood and urine after administration of dextran 60000] Kienlen J, et al. **Ann Fr Anesth Reanim** 1990;9(6):495–500 (17 ref.) (Eng. Abstr.) **(Fre)**

DEXTRO-AMINO ACID OXIDASE see **D-AMINO ACID OXIDASE**

DEXTROAMPHETAMINE

THERAPEUTIC USE

Psychostimulants for depression in the medically ill. Frierson RL, et al. **Am Fam Physician** 1991 Jan;43(1):163–70 (17 ref.)

DEXTROMETHORPHAN

POISONING

Dextromethorphan poisoning reversed by naloxone. Schneider SM, et al. **Am J Emerg Med** 1991 May;9(3):237–8 (8 ref.)

DEXTROSE see **GLUCOSE**

DHBV see **HEPATITIS B VIRUS, DUCK**

DI GUGLIELMO'S DISEASE see **LEUKEMIA, ERYTHROBLASTIC, ACUTE**

DIABETES, BRONZE see **HEMOCHROMATOSIS**

DIABETES INSIPIDUS

Endocrine crises. Diabetes insipidus. Ober KP. **Crit Care Clin** 1991 Jan;7(1):109–25 (48 ref.)

[The association of acute polyradiculoneuritis, transitory diabetes insipidus and pregnancy. Apropos of a case and review of the literature] Berteau P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1990;19(7):793–802 (77 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

[Polyuric dilatation of the urinary tract in congenital nephrogenic diabetes insipidus. Clinical and diagnostic aspects. Presentation of a case and review of the literature] Soler Fernández JM, et al. **Actas Urol Esp** 1990 Sep–Oct; 14(5):374–7 (19 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

MR imaging of the brain in patients with diabetes insipidus. Tien R, et al. **AJNR Am J Neuroradiol** 1991 May–Jun; 12(3):533–42 (36 ref.)

DRUG THERAPY

Desmopressin for diabetes insipidus, hemostatic disorders and enuresis. Shulman LH, et al. **Am Fam Physician** 1990 Oct; 42(4):1051–7 (12 ref.)

[Pregnancy in diabetes insipidus—a case report with review of the literature] Cap R, et al. **Zentralbl Gynakol** 1990; 112(12):773–8 (30 ref.) (Eng. Abstr.) **(Ger)**

[Treatment of diabetes insipidus] Boscaro M, et al. **Minerva Endocrinol** 1990 Jan–Mar;15(1):95–9 (12 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Diabetes insipidus secondary to Wegener's granulomatosis: report and review of the literature. Rosete A, et al. **J Rheumatol** 1991 May;18(5):761–5 (14 ref.)

GENETICS

Hereditary nephrogenic diabetes insipidus. Bichet DG. **Adv Nephrol Necker Hosp** 1991;20:175–89 (72 ref.)

DIABETES MELLITUS

see related
PREDIABETIC STATE

Diabetes mellitus and hypertension. Hamilton BP. **Am J Kidney Dis** 1990 Oct;16(4 Suppl 1):20–9 (41 ref.)

Endocrine management of the open heart surgical patient. Hoogwerf BJ, et al. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):75–80 (42 ref.)

[What or who is the cause of diabetes mellitus? Implication of stress in the detection of diabetes] Ravina A. **Harefuah** 1991 Jan 1;120(1):41–3 (30 ref.) **(Heb)**

[Diabetes mellitus: the concept, etiopathogenesis, clinical picture and complications] Miralles García MC, et al. **An Med Interna** 1990 May;7(5):269–74 (58 ref.) **(Spa)**

BLOOD

Glycemic control in elderly people with diabetes. Froom J. **Clin Geriatr Med** 1990 Nov;6(4):933–41 (38 ref.)

Fundamentals of glucose sensors. Fischer U. **Diabetic Med** 1991 May;8(4):309–21 (105 ref.)

Blood glucose levels in diabetic and non-diabetic subjects. Tchobroutsky G. **Diabetologia** 1991 Feb;34(2):67–73 (46 ref.)

Portable blood glucose meters. Teaching patients how to correctly monitor diabetes. Burritt MF, et al. **Postgrad Med** 1991 Mar;89(4):75–8, 81, 84 (13 ref.)

[Dyslipidemia in diabetes mellitus: significance, diagnosis and treatment] Keller U, et al. **Schweiz Rundsch Med Prax** 1990 Oct 9;79(41):1199–204 (28 ref.) (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Metabolic effects of antihypertensive treatment with beta-blockers. Sawicki PT, et al. **J Intern Med Suppl** 1991; 735:97–9 (33 ref.)

COMPLICATIONS

Hyperinsulinemia and elevated blood pressure: cause, confounder, or coincidence? Donahue RP, et al. **Am J Epidemiol** 1990 Nov;132(5):827–36 (95 ref.)

Mechanisms of hypertension in diabetes. Sowers JR, et al. **Am J Hypertens** 1991 Feb;4(2 Pt 1):177–82 (80 ref.)

Metabolic considerations in hypertension. Tuck ML. **Am J Hypertens** 1990 Dec;3(12 Pt 2):355S–365S (142 ref.)

Perioperative management of surgical patients with diabetes mellitus [see comments] Hirsch IB, et al. **Anesthesiology** 1991 Feb;74(2):346–59 (130 ref.) Comment in: Anesthesiology 1991 Feb;74(2):209–11.

Diabetic heart muscle disease. Uusitupa MI, et al. **Ann Med** 1990 Dec;22(6):377–86 (128 ref.)

Diabetes mellitus/male infertility. Dinulovic D, et al. **Arch Androl** 1990;25(3):277–93 (99 ref.)

Role of atrial natriuretic peptide in congestive heart failure due to chronic diabetes. Ganguly PK. **Can J Cardiol** 1991 Jul–Aug;7(6):275–80 (40 ref.)

Ocular problems in older Americans with diabetes. Klein BE, et al. **Clin Geriatr Med** 1990 Nov;6(4):827–37 (25 ref.)

Foot ulceration and infections in elderly diabetics. Lipsky BA, et al. **Clin Geriatr Med** 1990 Nov;6(4):747–69 (100 ref.)

Diabetes-related impotence in the elderly. Whitehead ED, et al. **Clin Geriatr Med** 1990 Nov;6(4):771–95 (128 ref.)

Epidemiology and prevention of periodontal disease in individuals with diabetes. Katz PP, et al. **Diabetes Care** 1991 May;14(5):375–85 (82 ref.)

Nonpharmacological treatment of hypertension in diabetes mellitus. Tjoa HI, et al. **Diabetes Care** 1991 Jun; 14(6):449–60 (121 ref.)

New concepts in managing diabetic foot infections. Leichter SB, et al. **Geriatrics** 1991 May;46(5):24–30 (30 ref.)

Diabetes and hypertension. Mahler RJ. **Horm Metab Res** 1990 Dec;22(12):599–607 (122 ref.)

The diabetic foot. Soft tissue and bone infection. Lipsky BA, et al. **Infect Dis Clin North Am** 1990 Sep;4(3):409–32 (94 ref.)

Diabetes and coronary artery disease: what a coincidence? Pyörälä K. **J Cardiovasc Pharmacol** 1990;16 Suppl 9:S8–14 (27 ref.)

Effects of various lipid-lowering treatments in diabetics. Steiner G. **J Cardiovasc Pharmacol** 1990;16 Suppl 9:S35–9 (33 ref.)

Pathophysiology of hypertension in diabetes mellitus—implications for management. Florkowski CM, et al. **J Clin Pharm Ther** 1991 Jun;16(3):153–60 (33 ref.)

Diabetes and coronary heart disease: the role of hyperlipidemia. Betteridge DJ. **J Diabetic Complications** 1990 Apr–Jun;4(2):53–6 (31 ref.)

Insulin sensitivity and blood lipids during antihypertensive treatment with special reference to ACE inhibition. Pollare T. **J Diabetic Complications** 1990 Apr–Jun;4(2):75–8 (20 ref.)

Cognitive function in diabetes mellitus. Richardson JT. **Neurosci Biobehav Rev** 1990 Winter;14(4):385–8 (60 ref.)

The treatment of mild to moderate hypertension in patients with diabetes mellitus. Collins JW. **Nurse Pract** 1991 Jun; 16(6):28–30, 35–9, 43 (71 ref.)

Diabetic foot infections. Brodsky JW, et al. **Orthop Clin North Am** 1991 Jul;22(3):473–89 (29 ref.)

Aldose reductase inhibitors. Kirchain WR, et al. **Pharmacotherapy** 1990;10(5):326–36 (139 ref.)

Charcot's disease in diabetic patients. Correct diagnosis can prevent progressive deformity. Giurini JM, et al. **Postgrad Med** 1991 Mar;89(4):163–9 (14 ref.)

Asymptomatic bacteriuria in patients with diabetes mellitus. Zhanel GG, et al. **Rev Infect Dis** 1991 Jan–Feb;13(1):150–4 (34 ref.)

The contribution of some constitutional factors to the development of cow's milk and gluten intolerance in children. Kaczmarski M, et al. **Rocz Akad Med Bialymst** 1988–89;33–34:167–76 (71 ref.)

Gallstones, cholecystitis and diabetes [published erratum appears in Surg Gynecol Obstet 1991 Jul;173(1):72] Ikard RW. **Surg Gynecol Obstet** 1990 Dec;171(6):528–32 (60 ref.)

[Pulmonary changes in diabetes mellitus] Terzieva Ts. **Vutr Boles** 1990;29(5):13–7 (0 ref.) **(Bul)**

[Impact of diabetes mellitus on driving safety] Ekoé JM, et al. **Diabete Metab** 1991 Jan–Feb;17(1):61–8 (25 ref.) (Eng. Abstr.) **(Fre)**

[Should one treat hyperlipidemia in diabetes, and how?] Moulin P, et al. **Diabete Metab** 1990 May–Jun;16(3):252–6 (22 ref.) **(Fre)**

[Diabetes and color vision disorder detected by the Farnsworth 100 Hue test. Diabetic dyschromatopsia] Ayed S, et al. **J Fr Ophtalmol** 1990;13(10):506–10 (16 ref.) (Eng. Abstr.) **(Fre)**

[The cornea of diabetics] Nucci P, et al. **J Fr Ophtalmol** 1990;13(8–9):461–4 (41 ref.) **(Fre)**

[Hemostasis anomalies in sugar diabetes] Scherrthaner G, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:91–108 (92 ref.) **(Fre)**

[Malignant external otitis in diabetics] Ennouri A, et al. **Rev Laryngol Otol Rhinol (Bord)** 1989;110(1):9–12 (14 ref.) (Eng. Abstr.) **(Fre)**

[Diabetes mellitus and infections] Brisseau JM, et al. **Rev Med Interne** 1989 Sep–Oct;10(5):435–41 (80 ref.) **(Fre)**

[The pathogenesis of arterial hypertension in diabetes mellitus and its role in nephropathy] Raimondi C, et al. **Recenti Prog Med** 1990 Dec;81(12):782–7 (27 ref.) (Eng. Abstr.) **(Ita)**

[Is macroangiopathy a complication of diabetes mellitus? II: Hypertriglyceridemia] Goldsztajn P. **Przegl Lek** 1990; 47(8):597–602 (45 ref.) **(Pol)**

[Disorders of carbohydrate–lipid metabolism in cerebral ischemia] Maciejek Z, et al. **Wiad Lek** 1990 Sep 1–15; 43(17–18):890–4 (52 ref.) **(Pol)**

[Pathogenesis of diabetic nephroangiopathies] Spesivtseva VG, et al. **Klin Med (Mosk)** 1990 Jun;68(6):19–24 (66 ref.) **(Rus)**

[Acute complications of diabetes mellitus: physiopathology and treatment] Ayala A. **Gac Med Mex** 1990 Sep–Oct; 126(5):385–91 (22 ref.) (Eng. Abstr.) **(Spa)**

[Heart disease and diabetes] Barriales V, et al. **Med Clin (Barc)** 1991 Jun 8;97(2):72–5 (59 ref.) **(Spa)**

DIAGNOSIS

[What is the fructosamine test and what is its clinical significance?] Krantz VS, et al. **Z Med Lab Diagn** 1990; 31(7):361–5 (10 ref.) (Eng. Abstr.) **(Ger)**

[Pitfall in diagnosis and therapy of diabetes mellitus] Sakamoto N. **Nippon Naika Gakkai Zasshi** 1991 Mar 10; 80(3):387–90 (7 ref.) **(Jpn)**

DIET THERAPY

Nutritional status and dietary management of elderly diabetic patients. Reed RL, et al. **Clin Geriatr Med** 1990 Nov; 6(4):883–901 (158 ref.)

[Diet treatment of the diabetic patient: yesterday and today. What has changed? What can be learned from it?] Verdonk G. **Verh K Acad Geneeskd Belg** 1990;52(6):475–508; discussion 508–9 (101 ref.) (Eng. Abstr.) **(Dut)**

[Role of fish oils in diabetic dietetics] De Leeuw I. **Journ Annu Diabetol Hotel Dieu** 1991;:213–20 (48 ref.) **(Fre)**

DRUG THERAPY

Insulin agonist therapy: a challenge for the 1990s. Galloway JA, et al. **Clin Ther** 1990 Nov–Dec;12(6):460–72; discussion 459 (35 ref.)

Prognostic impact of ACE inhibition in systemic lupus erythematosus, diabetes mellitus and chronic glomerulonephritis. Aurell M, et al. **Contrib Nephrol** 1990; 81:248–54 (17 ref.)

Intranasal administration of insulin to humans. Gizurarson S, et al. **Diabetes Res Clin Pract** 1991 May;12(2):71–84 (66 ref.)

Utilisation of drugs for diabetes mellitus. Feldman HI, et al. **Drug Saf** 1991 May–Jun;6(3):220–9 (41 ref.)

Premixed insulins. How do they compare with other insulin preparations? Hollander P. **Postgrad Med** 1991 Mar; 89(4):52–4, 57–8, 61 (5 ref.)

How efficient is sliding-scale insulin therapy? Problems with a 'cookbook' approach in hospitalized patients. Katz CM. **Postgrad Med** 1991 Apr;89(5):46–8, 51–4, 57 (11 ref.)

Prescribing for the diabetic. Gale E. **Practitioner** 1990 Nov; 234(1496):997–1000 (5 ref.)

Antidiabetic agents. Francisco GE. **Prim Care** 1990 Sep; 17(3):499–519 (53 ref.)

[Inhibitors of alpha-glucosidase] Toeller M. **Journ Annu Diabetol Hotel Dieu** 1991;:203–12 (13 ref.) **(Fre)**

[Diabetes mellitus and hypertension: calcium antagonists or ACE inhibitors?] Jungmann E. **Dtsch Med Wochenschr** 1991 May 31;116(22):859–62 (15 ref.) **(Ger)**

ENZYMOLOGY

Gi-2 is at the centre of an active phosphorylation/dephosphorylation cycle in hepatocytes: the fine-tuning of stimulatory and inhibitory inputs into adenylate cyclase in normal and diabetic states. Houslay MD. **Cell Signal** 1991;3(1):1–9 (64 ref.)

[Superoxide dismutases: significances in aging, diabetes, ischemia and cancer] Taniguchi N. **Rinsho Byori** 1990 Aug; 38(8):876–81 (24 ref.) (Eng. Abstr.) **(Jpn)**

[The diagnostic value of studying the N-acetyl-beta-D-glucosaminidase activity in urine (review of the literature)] Babaeva NI, et al. **Lab Delo** 1991;(1):9–16 (54 ref.) **(Rus)**

EPIDEMIOLOGY

Known diabetes and fasting hyperglycaemia in the elderly. Prevalence and economic impact upon health services. Damsgaard EM. **Dan Med Bull** 1990 Dec;37(6):530–46 (126 ref.)

Influenza infection and diabetes mellitus. Case for annual vaccination. Diepersloot RJ, et al. **Diabetes Care** 1990 Aug; 13(8):876–82 (62 ref.)

Epidemiology of diabetes in Asians of the Indian subcontinent. Ramaiya KL, et al. **Diabetes Metab Rev** 1990 Dec;6(3):125–46 (202 ref.)

Central obesity, glucose intolerance and other cardiovascular disease risk factors: an old syndrome rediscovered. Zimmet P, et al. **Diabetes Res Clin Pract** 1990;10 Suppl 1:S167–71 (19 ref.)

Diabetes in Africa. McLarty DG, et al. **Diabetic Med** 1990 Sep–Oct;7(8):670–84 (166 ref.)

ETHNOLOGY

Diabetes care in minority groups. Overcoming barriers to meet these patients' special needs. Davidson JA. **Postgrad Med** 1991 Aug;90(2):153–4, 157–68 (14 ref.)

ETIOLOGY

Diabetes and behavior: American Indian issues. Pine CJ. **Am Indian Alsk Native Ment Health Res** 1988;1 MONO 1:94–109 discussion 110–5 (44 ref.)

[Maurice Derot 1991 Award. Diabetogenic and atherogenic fat] Vague J. **Journ Annu Diabetol Hotel Dieu** 1991;:273–96 (135 ref.) **(Fre)**

[Is sugar involved in the development of cardiovascular diseases?] Wolfram G. **Z Ernahrungswiss** 1990;29 Suppl 1:35–8 (19 ref.) (Eng. Abstr.) **(Ger)**

[New findings on the etiopathogenesis of diabetes mellitus] de Leiva A, et al. **An Med Interna** 1991 Jun;8 Suppl 2:63–8 (20 ref.) **(Spa)**

[Idiopathic diabetic syndrome: etiopathogenic perspective of its varieties] García-Conde Gómez FJ. **An R Acad Nac Med (Madr)** 1990;107(3):525–38 (16 ref.) **(Spa)**

GENETICS

Genetics of common diseases of adulthood. Implications for prenatal counseling and diagnosis. Lubin MB, et al. **Clin Perinatol** 1990 Dec;17(4):889–910 (63 ref.)

Lilly lecture 1990. Molecular defects in diabetes mellitus. Bell GI. **Diabetes** 1991 Apr;40(4):413–22 (87 ref.)

Genetic risks and diabetic complications--another 'black hole' in biology and medicine? Sussman KE. **Diabetes Res Clin Pract** 1990 Oct;10(2):103–8 (33 ref.)

[The genetics of diabetes mellitus] Maximilian C. **Endocrinologie** 1990 Jul–Dec;28(3–4):81–94 (27 ref.) **(Fre)**

[Diabetes and heredity] Froguel P, et al. **Rev Med Interne** 1991 Mar–Apr;12(2):123–7 (16 ref.) (Eng. Abstr.) **(Fre)**

[Molecular-biological aspects of diabetes mellitus] Walther R, et al. **Z Med Lab Diagn** 1991;32(3–4):124–33 (27 ref.) **(Ger)**

[Recombinant DNA in the study of diabetes mellitus] Pankov IuA. **Mol Biol (Mosk)** 1990 Sep–Oct;24(5):1173–80 (35 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Insulin antibodies and insulin autoantibodies. Greenbaum CJ, et al. **Diabetic Med** 1991 Feb–Mar;8(2):97–105 (93 ref.)

Autoimmunity in diabetes mellitus and polyendocrine syndromes: current concepts of pathogenesis and etiology. Bigazzi PE. **Immunol Ser** 1990;52:295–322 (103 ref.)

METABOLISM

Production of superoxide anion by glycated proteins: involvement in complications of diabetes mellitus. Monboisse JC, et al. **Adv Exp Med Biol** 1990;264:551–4 (9 ref.)

Advanced nonenzymatic tissue glycosylation: cell-mediated interactions implicated in the complications associated with diabetes and aging. Vlassara H. **Blood Purif** 1990; 8(4):223–32 (43 ref.)

The effects of diabetes mellitus on pharmacokinetics and pharmacodynamics in humans. Gwilt PR, et al. **Clin Pharmacokinet** 1991 Jun;20(6):477–90 (91 ref.)

Importance of glucagon for nitrogen loss in diabetes--via an accelerated hepatic conversion of amino nitrogen to urea nitrogen. Almdal TP. **Dan Med Bull** 1991 Apr;38(2):113–20 (101 ref.)

The significance of the products of the Maillard (browning) reaction in diabetes. Dominiczak MH. **Diabetic Med** 1991 Jul;8(6):505–16 (142 ref.)

Magnesium and glucose homeostasis. Paolisso G, et al. **Diabetologia** 1990 Sep;33(9):511–4 (41 ref.)

Protein glycation and oxidative stress in diabetes mellitus and ageing. Wolff SP, et al. **Free Radic Biol Med** 1991; 10(5):339–52 (103 ref.)

Current indications of plasma atrial natriuretic peptide measurements in human diseases. Dussaule JC, et al. **Horm Res** 1990;34(3–4):133–7 (30 ref.)

Regulation of glucose transporters in diabetes. Karnieli E, et al. **Horm Res** 1990;33(2–4):99–104 (57 ref.)

Calcitonin gene-related peptide (CGRP) and amylin and the endocrine pancreas. Ahrén B, et al. **Int J Pancreatol** 1990 Jan;6(1):1–15 (71 ref.)

Pathophysiology of hyperlipidemia in diabetes mellitus. Abbate SL, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 9:S1–7 (93 ref.)

Mixed salivary glucose levels and candidal carriage in patients with diabetes mellitus. Darwazeh AM, et al. **J Oral Pathol Med** 1991 Jul;20(6):280–3 (26 ref.)

Linoleic acid metabolism in diabetes mellitus. van Doormaal JJ. **Neth J Med** 1990 Dec;37(5–6):207–14 (52 ref.)

Nonenzymatic glycation of collagen in aging and diabetes. Reiser KM. **Proc Soc Exp Biol Med** 1991 Jan;196(1):17–29 (124 ref.)

Diabetic hyperglycemia: link to impaired glucose transport in pancreatic beta cells. Unger RH. **Science** 1991 Mar 8; 251(4998):1200–5 (50 ref.)

[Non-enzymatic glycosylation. Biology. Pathology] Lestradet H. **Ann Pediatr (Paris)** 1991 Apr;38(4):229–34 (10 ref.) (Eng. Abstr.) **(Fre)**

[Magnesium and the regulation of carbohydrate metabolism] Paolisso G, et al. **Journ Annu Diabetol Hotel Dieu** 1991; :185–91 (33 ref.) **(Fre)**

[The significance of the Maillard reaction in human physiology] Schleicher E. **Z Ernahrungswiss** 1991 Feb; 30(1):18–28 (46 ref.) (Eng. Abstr.) **(Ger)**

[Hypophyseal tumors and diabetes mellitus. Hypothalamus-hypophyseal correlations and glucose metabolism] Blasi C, et al. **Minerva Endocrinol** 1990 Jul–Sep;15(3):163–8 (43 ref.) (Eng. Abstr.) **(Ita)**

[Effect of beta-adrenergic blockade on glucose homeostasis in insulin-induced hypoglycemia during physiological processes in diabetes mellitus] Szelachowska M. **Pol Tyg Lek** 1990 May 7–14;45(19–20):397–400 (49 ref.) **(Pol)**

[Anticollagenolytic effect of tetracycline and its therapeutic use] Grabowska-Bochenek R, et al. **Przegl Lek** 1990; 47(3):353–4 (0 ref.) **(Pol)**

MORTALITY

The impact of diabetes in Minnesota--1988. Roesler J, et al. **Minn Med** 1991 Feb;74(2):25–9 (30 ref.)

PATHOLOGY

Fc-receptor-mediated phagocytosis: abnormalities associated with diabetes mellitus. Abrass CK. **Clin Immunol Immunopathol** 1991 Jan;58(1):1–17 (118 ref.)

Pathobiology of endothelial and other vascular cells in diabetes mellitus. Call for data. Lorenzi M, et al. **Diabetes** 1991 Jun;40(6):653–9 (99 ref.)

PHYSIOPATHOLOGY

The blood-brain barrier in diabetes mellitus. Lorenzi M. **Adv Exp Med Biol** 1990;274:381–90 (60 ref.)

Is the endogenous digitalis-like factor the link between hypertension and metabolic disorders as diabetes mellitus, obesity and acromegaly? Clerico A, et al. **Clin Physiol Biochem** 1990;8(3):153–68 (115 ref.)

Role of oxidative stress in development of complications in diabetes. Baynes JW. **Diabetes** 1991 Apr;40(4):405–12 (44 ref.)

Newly identified pancreatic protein islet amyloid polypeptide. What is its relationship to diabetes? Johnson KH, et al. **Diabetes** 1991 Mar;40(3):310–4 (60 ref.)

Is islet amyloid polypeptide a significant factor in pathogenesis or pathophysiology of diabetes? Steiner DF, et al. **Diabetes** 1991 Mar;40(3):305–9 (54 ref.)

Role of peptide growth factors in development of macrovascular complications of diabetes. Clemmons DR. **Diabetes Care** 1991 Feb;14(2):153–6 (29 ref.)

Diabetic cardiomyopathy. Fein FS. **Diabetes Care** 1990 Nov; 13(11):1169–79 (50 ref.)

Advances and pathophysiology of vascular complications of diabetes. Introduction. Gwynne JT, et al. **Diabetes Care** 1991 Feb;14(2):148–52 (0 ref.)

Does tight glucose control enhance brain sensitivity to low glucose? [editorial] Herold KC, et al. **Diabetes Care** 1991 Feb;14(2):141–3 (17 ref.)

Na(+)-H+ exchanger and its role in essential hypertension and diabetes mellitus. Huot SJ, et al. **Diabetes Care** 1991 Jun;14(6):521–35 (155 ref.)

Drug treatment of hypertension in patients with diabetes mellitus. Stein PP, et al. **Diabetes Care** 1991 Jun; 14(6):425–48 (261 ref.)

Chronic diabetic complications and tissue glycosylation. Relevant concern for diabetes-prone black population. Vlassara H. **Diabetes Care** 1990 Nov;13(11):1180–5 (47 ref.)

The diabetic foot 1990. Fernando DJ, et al. **Diabetic Med** 1991 Jan;8(1):82–5 (18 ref.)

Role of salt in the control of blood pressure in obesity and diabetes mellitus. Tuck ML. **Hypertension** 1991 Jan;17(1 Suppl):I135–42 (104 ref.)

Disordered gastric motor function in diabetes mellitus. Recent insights into prevalence, pathophysiology, clinical relevance, and treatment. Horowitz M, et al. **Scand J Gastroenterol** 1991 Jul;26(7):673–84 (76 ref.)

[Renal tolerance during administration of iodinated contrast media in diabetic patients] Deray G, et al. **Diabete Metab** 1991 May–Jun;17(3):379–82 (13 ref.) **(Fre)**

[Motor-secretory interactions in the small and large intestine and their disorders] Erckenbrecht JF. **Z Gastroenterol** 1991 Apr;29 Suppl 3:24–6 (22 ref.) **(Ger)**

[Central nervous system regulation of the endocrine pancreas] Siegel EG. **Z Gastroenterol Verh** 1991 Mar; 26:244–7 (30 ref.) **(Ger)**

[Aging and diabetes mellitus] Akanuma Y. **Nippon Ronen Igakkai Zasshi** 1991 Mar;28(2):135–9 (6 ref.) **(Jpn)**

[Digestive tract function in diabetics (a review of the literature)] Khvorostinka VN, et al. **Vrach Delo** 1990 Oct; (10):75–9 (35 ref.) **(Rus)**

[Cerebrovascular disorders in patients with diabetes mellitus

(review of the literature)] Man'kovskiĭ BN. **Zh Nevropatol Psikhiatr** 1990;90(7):123–7 (116 ref.) **(Rus)**

PREVENTION & CONTROL

[Physical exercise for prevention and therapy] Falkenbach A. **Med Monatsschr Pharm** 1990 Oct 10;13(10):303–12 (143 ref.) **(Ger)**

REHABILITATION

[The education of the diabetic patient: summary of his history. The results and the problems of today] Jörgens V, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:221–6 (16 ref.) **(Fre)**

SURGERY

Pancreas transplantation. Tydén G. **Curr Opin Immunol** 1989–90;2(6):842–6 (30 ref.)

[Surgical aspects of pancreas transplantation in patients with diabetes mellitus] Ignatenko SN, et al. **Probl Endokrinol (Mosk)** 1991 Mar–Apr;37(2):62–5 (79 ref.) **(Rus)**

THERAPY

New approaches to improve diabetes control [see comments] Guthrie RA. **Am Fam Physician** 1991 Feb;43(2):570–8 (22 ref.) Comment in: Am Fam Physician 1991 Jul;44(1):40, 43, 46.

Treatment of diabetes in the elderly. Reed RL, et al. **Am Fam Physician** 1991 Sep;44(3):915–24 (31 ref.)

Home care of the elderly diabetic patient. Bernstein LH, et al. **Clin Geriatr Med** 1990 Nov;6(4):943–57 (43 ref.)

The challenge of translating scientific knowledge into improved diabetes care in the 1990s [editorial] Anderson RM. **Diabetes Care** 1991 May;14(5):418–21 (11 ref.)

Primary care teams and the treatment of diabetes [editorial] Walford S. **Diabetic Med** 1991 May;8(4):307–8 (9 ref.)

Computers and diabetes therapy: key variables and quality of data for clinical decision-making. Mazze RS. **Horm Metab Res Suppl** 1990;24:97–103 (17 ref.)

Bioengineering in development of the hybrid artificial pancreas. Colton CK, et al. **J Biomech Eng** 1991 May; 113(2):152–70 (191 ref.)

Tight metabolic control: the pros and cons [editorial] Bibergeil H. **J Diabetic Complications** 1990 Jul–Sep; 4(3):98–101 (65 ref.)

Glycemic control, incipient diabetic nephropathy, and diabetic retinopathy. Hanssen KF, et al. **J Diabetic Complications** 1990 Apr–Jun;4(2):66–7 (20 ref.)

Pancreas transplantation for the treatment of diabetes. Schulak JA, et al. **Perspect Pediatr Pathol** 1991;14:94–121 (94 ref.)

Strategies in diabetes mellitus. Start of a new era. Skyler JS. **Postgrad Med** 1991 May 1;89(6):45–6, 49, 53–6 passim (25 ref.)

[Control of diabetes and late complications] Chabot V, et al. **Schweiz Rundsch Med Prax** 1990 Oct 9;79(41):1192–8 (84 ref.) (Eng. Abstr.) **(Fre)**

[New strategies in diabetes treatment] Ammon HP. **Pharm Unserer Zeit** 1991 Jan;20(1):13–20 (9 ref.) **(Ger)**

[Clinical management of obesity and diabetes with hyperuricemia] Matsushima M, et al. **Nippon Rinsho** 1991 May;49(5):1150–5 (14 ref.) **(Jpn)**

[The status and outlook of treatment for diabetes mellitus] Efimov AS, et al. **Klin Med (Mosk)** 1990 Oct;68(10):17–23 (50 ref.) **(Rus)**

[Psychotherapy in multimodal treatment of diabetes mellitus] Shcherbak AV. **Sov Med** 1990;(11):38–41 (30 ref.) **(Rus)**

[A consensus in Europe--general targets and a 5-year program: the Saint Vincent declaration for better diabetic care] Adamson U, et al. **Lakartidningen** 1991 Jul 10; 88(28–29):2464–5 (0 ref.) **(Swe)**

URINE

The clinical significance of microalbuminuria in diabetes mellitus. Nagoshi MH, et al. **Hawaii Med J** 1990 Nov; 49(11):417–8, 420 (36 ref.)

DIABETES MELLITUS, ADULT-ONSET see **DIABETES MELLITUS, NON-INSULIN-DEPENDENT**

DIABETES MELLITUS, BRITTLE see **DIABETES MELLITUS, INSULIN-DEPENDENT**

DIABETES MELLITUS, EXPERIMENTAL

The BHE rat: an animal model for the study of non-insulin-dependent diabetes mellitus. Berdanier CD. **FASEB J** 1991 May;5(8):2139–44 (51 ref.)

COMPLICATIONS

Atherogenesis in diabetic cholesterol-fed rabbits. Nordestgaard BG. **Dan Med Bull** 1991 Feb;38(1):1–8 (55 ref.)

Triacylglycerol metabolism and hypertriglyceridemia. **Nutr Rev** 1990 Sep;48(9):348–50 (8 ref.)

High dietary cholesterol prevents renal tubular lesions in diabetic rats. **Nutr Rev** 1991 Feb;49(2):60–2 (14 ref.)

DRUG THERAPY

[Vanadium and diabetes] Cros G, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:193–201 (46 ref.) **(Fre)**

IMMUNOLOGY

The role of viruses and environmental factors in the induction of diabetes. Yoon JW. **Curr Top Microbiol Immunol** 1990; 164:95–123 (157 ref.)

Islet transplantation to study autoimmune pathogenesis of diabetes in BB rat. Markmann JF, et al. **Horm Metab Res Suppl** 1990;25:116–9 (10 ref.)

METABOLISM

Production of superoxide anion by glycated proteins: involvement in complications of diabetes mellitus. Monboisse JC, et al. **Adv Exp Med Biol** 1990;264:551–4 (9 ref.)

Glycosylation products as toxic mediators of diabetic complications. Brownlee M. **Annu Rev Med** 1991;42:159–66 (32 ref.)

Guanine-nucleotide-binding proteins in diabetes and insulin-resistant states. Bushfield M, et al. **Biochem Soc Symp** 1990;56:137–54 (48 ref.)

Dietary fat alters adipocyte membrane lipid composition and cell functions in diabetic and control rats. **Nutr Rev** 1991 Mar;49(3):82–4 (5 ref.)

[Modification of gastrin and somatostatin cells in the gastric antrum in experimental diabetes] Sanz Esponera J. **An R Acad Nac Med (Madr)** 1990;107(2):275–84 (23 ref.) **(Spa)**

PATHOLOGY

[Mechanisms of compensatory hypertrophy of the kidney] Klin M. **Postepy Hig Med Dosw** 1990;44(1–3):85–112 (123 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Maternal diabetes during pregnancy: consequences for the offspring. Aerts L, et al. **Diabetes Metab Rev** 1990 Dec; 6(3):147–67 (62 ref.)

Urinary bladder innervation in experimental diabetes. Prosdocimi M, et al. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S123–7 (46 ref.)

SURGERY

Studies of privileged sites and islet transplantation. Barker CF, et al. **Transplant Proc** 1991 Aug;23(4):2138–42 (27 ref.)

DIABETES MELLITUS, INSULIN-DEPENDENT

New developments in type I diabetes. Winter RJ. **Curr Probl Pediatr** 1991 Mar;21(3):85–91 (20 ref.)

Hypertension in the course of insulin dependent diabetes mellitus and its pathogenetic mechanisms. Feldt-Rasmussen B, et al. **J Diabetic Complications** 1990 Apr–Jun;4(2):60–2 (26 ref.)

Diabetes mellitus. Johnson AB, et al. **Postgrad Med J** 1990 Dec;66(782):1010–24 (125 ref.)

New perspectives on the structure and function of the normal and diabetic beta-cell. Hellerström C, et al. **Ups J Med Sci** 1991;96(1):1–16 (84 ref.)

[Type I diabetes mellitus and autoimmunity. Description of 9 clinical cases] Farias M, et al. **Minerva Med** 1990 Jul–Aug; 81(7–8 Suppl):9–16 (19 ref.) (Eng. Abstr.) **(Ita)**

BLOOD

The glucose sensor: the missing link in diabetes therapy. Pfeiffer EF. **Horm Metab Res Suppl** 1990;24:154–64 (33 ref.)

Plasma lipids and lipoproteins in diabetes: lessons from population-based studies. Laakso M, et al. **J Diabetic Complications** 1990 Apr–Jun;4(2):39–41 (30 ref.)

[The role of growth hormone in the development of complications in insulin-dependent diabetes] Krawczuk-Rybak M, et al. **Padiatr Grenzgeb** 1991; 30(3):237–43 (37 ref.) (Eng. Abstr.) **(Ger)**

[Plasma and urine beta-thromboglobulin determination in the detection of thrombocyte hyperactivation in diabetic nephropathies] Tóth L, et al. **Orv Hetil** 1991 May 26; 132(21):1135–8, 1141 (47 ref.) (Eng. Abstr.) **(Hun)**

COMPLICATIONS

Optic disc oedema and diabetes mellitus: a case report with review. West PD, et al. **Aust N Z J Med** 1991 Apr; 21(2):248–50 (11 ref.)

Hyperlipidaemia in diabetes. Taskinen MR. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):743–75 (185 ref.)

Prevalence of thyroid autoimmunity in insulin dependent diabetes mellitus in the Bayamon region. Sánchez-Lugo F. **Bol Asoc Med P R** 1991 Feb;83(2):54–7 (13 ref.)

Insulin-dependent diabetes mellitus and hypertension. Nosadini R, et al. **Diabetes Care** 1991 Mar;14(3):210–9 (65 ref.)

Impact of blood pressure and antihypertensive treatment on incipient and overt nephropathy, retinopathy, and endothelial permeability in diabetes mellitus. Parving HH. **Diabetes Care** 1991 Mar;14(3):260–9 (87 ref.)

Risk factors and long-term complications in insulin-dependent diabetic patients. Jensen T, et al. **J Diabetic Complications** 1990 Apr–Jun;4(2):42–3 (10 ref.)

Diabetes and ACE inhibitors. Boulton AJ, et al. **J Hum Hypertens** 1990 Oct;4 Suppl 4:63–6; discussion 66–7 (24 ref.)

Eating disorders as a special problem for persons with insulin-dependent diabetes mellitus. Krakoff DB. **Nurs Clin North Am** 1991 Sep;26(3):707–13 (12 ref.)

Type 1 diabetes mellitus associated with livedo reticularis: case report and review of the literature. Abrahamian LM, et al. **Pediatr Dermatol** 1991 Mar;8(1):46–50 (59 ref.)

The role of the pediatric nephrologist in the care of children with diabetes mellitus. Lane P, et al. **Pediatr Nephrol** 1991 May;5(3):359–63 (64 ref.)

[Magnesium deficiency and development of late diabetic complications] Djurhuus MS, et al. **Ugeskr Laeger** 1991 Jul 22;153(30):2108–10 (30 ref.) (Eng. Abstr.) **(Dan)**

[Emphysematous pyelonephritis in a diabetic patient. Literature review apropos of a case] Picron B, et al. **Acta Clin Belg** 1991;46(2):94–9 (18 ref.) (Eng. Abstr.) **(Fre)**

[Degenerative complications of diabetes] de Menibus CH, et al. **Ann Pediatr (Paris)** 1991 Apr;38(4):277–84 (7 ref.) (Eng. Abstr.) **(Fre)**

[Insulin-dependent diabetes and periodontal disease in young patients] de Pommereau V, et al. **Ann Pediatr (Paris)** 1991 Apr;38(4):235–9 (27 ref.) (Eng. Abstr.) **(Fre)**

[Glucose intolerance and diabetes during cystic fibrosis] Tubiana-Rufi N, et al. **Ann Pediatr (Paris)** 1991 Apr; 38(4):244–8 (29 ref.) (Eng. Abstr.) **(Fre)**

[Prevention of terminal kidney failure in insulin-dependent diabetics. Current status and prospects] Passa P, et al. **Presse Med** 1991 Mar 16;20(10):471–5 (22 ref.) (Eng. Abstr.) **(Fre)**

[Etiopathogenesis of early stages of diabetic nephropathy] Pynka S, et al. **Pol Tyg Lek** 1990 Oct 1–8;45(40–41):830–5 (58 ref.) **(Pol)**

[Risk factors for the development of diabetic complications in insulin-dependent diabetes mellitus in children and adolescents] Vakhrusheva LL. **Pediatriia** 1991;(2):97–100 (29 ref.) **(Rus)**

DIAGNOSIS

Prediction and prevention of IDDM--1991. Palmer JP, et al. **Diabetes** 1991 Aug;40(8):943–7 (43 ref.)

Type 1 diabetes at presentation: the scene changes [editorial] Pozzilli P, et al. **Diabetic Med** 1990 Nov;7(9):762–3 (11 ref.)

Can we predict and/or prevent type I diabetes? Sandler M. **S Afr Med J** 1990 Oct 20;78(8):462–7 (64 ref.)

DIET THERAPY

Diabetes and diet in pregnancy. Dornhorst A, et al. **Baillieres Clin Endocrinol Metab** 1990 Jun;4(2):291–311 (79 ref.)

Nutritional therapy with regard to weight reduction in diabetes and hypertension. Dodson PM, et al. **J Diabetic Complications** 1990 Apr–Jun;4(2):91–3 (11 ref.)

Dietary supplementation with omega 3 fatty acids in insulin-dependent diabetes mellitus. Jensen T. **World Rev Nutr Diet** 1991;66:417–24 (43 ref.)

[The nutrition of young diabetic patients] Jezequel C. **Ann Pediatr (Paris)** 1991 Apr;38(4):211–5 (18 ref.) (Eng. Abstr.) **(Fre)**

[Diet therapy of diabetes mellitus] Toeller M. **Fortschr Med** 1991 Jan 20;109(2):41–2, 45 (9 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Combination of insulin and sulfonylureas: a literature review. Halimi S, et al. **Am J Med** 1991 Jun 24;90(6A):83S–86S (53 ref.)

Insulin-mimetic effects of vanadate. Possible implications for future treatment of diabetes. Shechter Y. **Diabetes** 1990 Jan;39(1):1–5 (68 ref.)

Monomeric insulins and their experimental and clinical implications. Brange J, et al. **Diabetes Care** 1990 Sep; 13(9):923–54 (323 ref.)

Intensive insulin therapy for treatment of type I diabetes. Hirsch IB, et al. **Diabetes Care** 1990 Dec;13(12):1265–83 (171 ref.)

Role of insulin in management of surgical patients with diabetes mellitus. Hirsch IB, et al. **Diabetes Care** 1990 Sep; 13(9):980–91 (116 ref.)

Implantable insulin pumps: a current look. Saudek CD. **Diabetes Res Clin Pract** 1990 Oct;10(2):109–14 (20 ref.)

Implantable insulin pumps: a major piece of computerized diabetes therapy. Selam JL. **Horm Metab Res Suppl** 1990; 24:144–54 (76 ref.)

Induction and pathophysiology of remission of insulin-dependent diabetes mellitus during administration of ciclosporin. London Diabetes Study Group. Dupre J, et al. **Horm Res** 1990;33(2–4):152–8 (20 ref.)

Rationale of insulin therapy in insulin-dependent diabetes mellitus in children. Menon PS, et al. **Indian Pediatr** 1990 Nov;27(11):1201–8 (22 ref.)

Therapeutic perspectives in hyperlipidemic patients with diabetes mellitus. Garg A, et al.

J Diabetic Complications 1990 Apr-Jun;4(2):72-4 (20 ref.)
[Injections without needles in the treatment of insulin-dependent diabetes] Robert JJ, et al.
Ann Pediatr (Paris) 1991 Apr;38(4):225-8 (11 ref.) (Eng. Abstr.) **(Fre)**
[The new insulins: a result of molecular biology prowess, maybe a clinical advance?] Assan R.
Journ Annu Diabetol Hotel Dieu 1991;:45-53 (12 ref.) **(Fre)**
[Advantages and drawbacks of human insulin] Zenobi PD.
Schweiz Med Wochenschr 1991 Apr 6;121(14):475-81 (68 ref.) (Eng. Abstr.) **(Ger)**
[Control of diabetes mellitus] Daweke H.
Verh Dtsch Ges Inn Med 1990;96:175-82 (19 ref.) **(Ger)**
[Treatment of insulin-dependent diabetes] Hanssen KF, et al. **Tidsskr Nor Laegeforen** 1991 Jun 20;111(16):1982-3 (4 ref.) **(Nor)**
[Principles and perspectives of immunomodulation in the treatment of diabetes mellitus type I] Majkowska L, et al. **Pol Tyg Lek** 1989 May 22-29;44(21-22):509-12 (50 ref.) **(Pol)**
[A proposed model of the treatment of diabetes mellitus in pregnancy] Strojek K, et al. **Pol Tyg Lek** 1990 Mar 10-26; 45(12-13):261-3 (16 ref.) (Eng. Abstr.) **(Pol)**
[Insulin and its place in the therapy of diabetes mellitus types 1 and 2] Balabolkin MI. **Probl Endokrinol (Mosk)** 1990 Jul-Aug;36(4):63-9 (10 ref.) **(Rus)**

EPIDEMIOLOGY

Epidemiological studies of childhood insulin dependent diabetes. Dahlquist G. **Acta Paediatr Scand** 1991 Jun-Jul; 80(6-7):583-9 (60 ref.)
The impact of hypertension and antihypertensive treatment on the course and prognosis of diabetic nephropathy. Parving HH. **J Hypertens Suppl** 1990 Dec;8(7):S187-91 (33 ref.)

ETIOLOGY

Islet amyloid polypeptide (IAPP). A short review. Stridsberg M, et al. **Acta Oncol** 1991;30(4):451-6 (53 ref.)
A role for macrophages in the pathogenesis of type 1 diabetes. Kolb-Bachofen V, et al. **Autoimmunity** 1989;3(2):145-54 (33 ref.)
The role of viruses and environmental factors in the induction of diabetes. Yoon JW. **Curr Top Microbiol Immunol** 1990; 164:95-123 (157 ref.)
Pathogenic factors in the development of type I and type II diabetes mellitus: 1990. Prout TE. **Md Med J** 1990 Oct; 39(10):933-7 (14 ref.)
A role of immunoinflammatory hormones (cytokines) in insulin dependent diabetes mellitus? Bendtzen K.
Scand J Clin Lab Invest Suppl 1990;202:163-7 (22 ref.)
[New data concerning the etiology of insulin-dependent diabetes] Deschamps I, et al. **Ann Pediatr (Paris)** 1991 Apr; 38(4):205-10 (27 ref.) (Eng. Abstr.) **(Fre)**
[Metabolic diseases: risk factors, laboratory values, clinical aspects and clinical relevance] Mehnert H.
Verh Dtsch Ges Inn Med 1990;96:126-37 (21 ref.) **(Ger)**
[Molecular pathology of insulin-dependent diabetes mellitus (type I)] Tatoń J. **Pol Tyg Lek** 1989 May 22-29; 44(21-22):475-83 (47 ref.) (Eng. Abstr.) **(Pol)**

GENETICS

Genetics of diabetes. Lessons from family studies. Bingley PJ, et al. **Baillieres Clin Endocrinol Metab** 1991 Jun; 5(2):261-83 (103 ref.)
Genetics of diabetes. Studies of MHC haplotypes by pulsed field gel electrophoresis. Dawkins RL, et al.
Baillieres Clin Endocrinol Metab 1991 Jun;5(2):285-97 (27 ref.)
Genetics of diabetes. Genes and environment. Dorman JS, et al. **Baillieres Clin Endocrinol Metab** 1991 Jun;5(2):229-45 (57 ref.)
HLA class II sequences and genetic susceptibility to insulin dependent diabetes mellitus. Erlich HA.
Baillieres Clin Endocrinol Metab 1991 Sep;5(3):395-411 (66 ref.)
Non-HLA region genes in insulin dependent diabetes mellitus. Field LL. **Baillieres Clin Endocrinol Metab** 1991 Sep;5(3):413-38 (63 ref.)
Transgenic approaches to understanding the role of MHC genes in insulin dependent diabetes mellitus. I. Immune and non-immune mechanisms of beta cell destruction. Harrison LC. **Baillieres Clin Endocrinol Metab** 1991 Sep;5(3):439-48 (56 ref.)
Structural and functional constraints on HLA class II dimers implicated in susceptibility to insulin dependent diabetes mellitus. Kwok WW, et al.
Baillieres Clin Endocrinol Metab 1991 Sep;5(3):375-93 (37 ref.)
Genetics of diabetes. Trans-racial gene mapping studies. Mijovic CH, et al. **Baillieres Clin Endocrinol Metab** 1991 Jun;5(2):321-40 (84 ref.)
Cross-ethnic group comparisons of HLA class II alleles and insulin dependent diabetes mellitus. Serjeantson SW, et al. **Baillieres Clin Endocrinol Metab** 1991 Jun;5(2):299-320 (69 ref.)
T cell defined HLA epitopes and T cell receptor polymorphism in insulin dependent diabetes mellitus. Sheehy MJ. **Baillieres Clin Endocrinol Metab** 1991 Jun; 5(2):341-55 (52 ref.)
Transgenic approaches to understanding the role of MHC genes in insulin dependent diabetes mellitus. II. The non-obese diabetic (NOD) mouse. Slattery R.
Baillieres Clin Endocrinol Metab 1991 Sep;5(3):449-54 (35 ref.)
Overview: the major histocompatibility complex and insulin dependent diabetes mellitus. Tait BD, et al.
Baillieres Clin Endocrinol Metab 1991 Jun;5(2):211-28 (35 ref.)
Insulin dependent diabetes mellitus susceptibility or protection may be determined by certain HLA-DQ molecules. Thorsby E, et al.
Baillieres Clin Endocrinol Metab 1991 Sep;5(3):361-73 (41 ref.)
The role of genetic factors in the development of insulin-dependent diabetes mellitus. Green A.
Curr Top Microbiol Immunol 1990;164:3-16 (66 ref.)
Mapping genes in diabetes. Genetic epidemiological perspective. Rich SS. **Diabetes** 1990 Nov;39(11):1315-9 (23 ref.)
HLA and IDDM: facts and speculations on the disease gene and its mode of inheritance. Rubinstein P.
Hum Immunol 1991 Apr;30(4):270-7 (46 ref.)
HLA and type I diabetes. Nepom GT. **Immunol Today** 1990 Sep;11(9):314-5 (20 ref.)
[How useful is an inquiry about family history in type 2 diabetes?] Froguel P, et al. **Diabete Metab** 1990 May-Jun; 16(3):257-9 (14 ref.) **(Fre)**
[The molecular genetic aspects of insulin-dependent diabetes mellitus] Pankov IuA, et al. **Probl Endokrinol (Mosk)** 1990 Jul-Aug;36(4):3-11 (82 ref.) **(Rus)**

IMMUNOLOGY

Possible chronological events leading to pancreatic beta cell damage in type I diabetes mellitus. Bottazzo GF, et al. **Ann Ital Med Int** 1988;3 Suppl 1:53-9 (34 ref.)
The major histocompatibility complex and insulin dependent (type 1) diabetes. Hitman GA. **Autoimmunity** 1989; 4(1-2):119-30 (56 ref.)
Cytokines as immune effector molecules in autoimmune endocrine diseases with special reference to insulin-dependent diabetes mellitus. Mandrup-Poulsen T, et al. **Autoimmunity** 1989;4(3):191-218; discussion 219-34 (183 ref.)
An overview on possible mechanisms of destruction of the insulin-producing beta cell. Cooke A.
Curr Top Microbiol Immunol 1990;164:125-42 (105 ref.)
HLA class II polymorphism and genetic susceptibility to insulin-dependent diabetes mellitus. Erlich HA.
Curr Top Microbiol Immunol 1990;164:41-55 (58 ref.)
HLA-DQ and -DX genes in insulin-dependent diabetes mellitus. Michelsen B, et al.
Curr Top Microbiol Immunol 1990;164:57-68 (51 ref.)
The 64-kDa beta cell membrane autoantigen and other target molecules of humoral autoimmunity in insulin-dependent diabetes mellitus. Sigurdsson E, et al.
Curr Top Microbiol Immunol 1990;164:143-68 (133 ref.)
The role of MHC class II genes in susceptibility to insulin-dependent diabetes mellitus. Todd JA.
Curr Top Microbiol Immunol 1990;164:17-40 (96 ref.)
A unified hypothesis for the complex genetics of HLA associations with IDDM. Nepom GT. **Diabetes** 1990 Oct; 39(10):1153-7 (36 ref.)
Multiple target antigens in pre-type I diabetes: implications for prediction. Ziegler R, et al. **Horm Res** 1990; 33(2-4):144-50; discussion 150-1 (53 ref.)
Immunology of insulin-dependent mellitus. Boitard C.
Int J Rad Appl Instrum [B] 1990;17(7):705-11 (32 ref.)
Antibody markers in predicting type 1 diabetes: a review. Wilkin TJ. **J R Soc Med** 1990 Oct;83(10):632-6 (52 ref.)
Higher molecular weight insulin precursors as autoantigens in type I diabetes. Csorba TR. **Med Hypotheses** 1990 Oct; 33(2):113-6 (28 ref.)
Molecular pathology of type 1 diabetes. Campbell IL, et al. **Mol Biol Med** 1990 Aug;7(4):299-309 (66 ref.)
Insulin-dependent diabetes mellitus and immunogenetics: maternal and fetal considerations. Reece EA, et al.
Obstet Gynecol Surv 1991 May;46(5):255-63 (65 ref.)
Molecular analysis of the pathogenesis of beta-cell destruction in insulin-dependent diabetes mellitus. Lernmark A, et al. **West J Med** 1990 Nov;153(5):499-502 (26 ref.)
[Role of pancreatic islet cell antibodies and insulin autoantibodies in insulin-dependent diabetes mellitus] Hao W, et al. **Chung Hua Nei Ko Tsa Chih** 1990 Oct;29(10):624-7 (20 ref.) **(Chi)**
[Type 1 diabetes mellitus, autoimmune disease: physiopathologic aspects and practical applications] Timsit J, et al. **Ann Biol Clin (Paris)** 1991;49(3):149-53 (36 ref.) (Eng. Abstr.) **(Fre)**
[Insulin and immunology--a correlation] Federlin K, et al. **Z Gesamte Inn Med** 1990 Oct 15;45(20):601-4 (14 ref.) (Eng. Abstr.) **(Ger)**
[Immunopathogenesis and immunotherapy of type I diabetes mellitus] Kuraeva TL. **Probl Endokrinol (Mosk)** 1991 Jan-Feb;37(1):63-7 (78 ref.) **(Rus)**

METABOLISM

Glucose metabolism in non-diabetic and insulin-dependent diabetic subjects with end-stage renal failure. Schmitz O. **Dan Med Bull** 1991 Feb;38(1):36-52 (209 ref.)
Magnesium and insulin-dependent diabetes mellitus. Elamin A, et al. **Diabetes Res Clin Pract** 1990 Nov-Dec;10(3):203-9 (82 ref.)
Impact of activated glucose counterregulation on insulin requirements in insulin-dependent diabetes mellitus. Bolli GB, et al. **Horm Metab Res Suppl** 1990;24:87-96 (43 ref.)
Insulin resistance and hypertension. Sowers JR.
Mol Cell Endocrinol 1990 Dec 3;74(2):C87-9 (17 ref.)
Competitive sport and the insulin-dependent diabetic patient. Greenhalgh PM. **Postgrad Med J** 1990 Oct;66(780):803-6 (53 ref.)
[Sports and diabetes in children and adolescents] Dorchy H, et al. **Ann Pediatr (Paris)** 1991 Apr;38(4):217-23 (3 ref.) (Eng. Abstr.) **(Fre)**
[Improving home auto-control in diabetic children: reducing atherogenic risk] Bayes García R, et al. **An Esp Pediatr** 1991 Mar;34(3):194-202 (56 ref.) (Eng. Abstr.) **(Spa)**
[Metabolic control, C peptide and lipids in insulin-dependent diabetes mellitus] Díaz Gómez NM, et al.
An Esp Pediatr 1991 Apr;34(4):276-82 (26 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Contrast nephropathy in azotemic diabetic patients undergoing coronary angiography. Manske CL, et al.
Am J Med 1990 Nov;89(5):615-20 (26 ref.)
Cytokine and free radicals as effector molecules in the destruction of pancreatic beta cells. Mandrup-Poulsen T, et al. **Curr Top Microbiol Immunol** 1990;164:169-93 (154 ref.)
Central role of sodium in hypertension in diabetic subjects. Weidmann P, et al. **Diabetes Care** 1991 Mar;14(3):220-32 (122 ref.)
Cytosolic calcium: a new factor in insulin resistance? Draznin B. **Diabetes Res Clin Pract** 1991 Mar;11(3):141-5 (35 ref.)
Microalbuminuria: measurements, determinants and accompaniments [editorial] Ganda OP.
Diabetes Res Clin Pract 1991 Mar;11(3):137-9 (18 ref.)
Diabetic renal disease in type 1 diabetes: aetiology and prevention. Viberti GC. **Diabetic Med** 1991;8 Spec No:S38-42 (41 ref.)
Hypertension in glucose intolerance and diabetes. Jarrett RJ. **J Intern Med Suppl** 1991;735:85-8 (29 ref.)
Lactation in insulin-dependent diabetes. Neubauer SH.
Prog Food Nutr Sci 1990;14(4):333-70 (138 ref.)

PSYCHOLOGY

Self-management of diabetes mellitus: a critical review. Goodall TA, et al. **Health Psychol** 1991;10(1):1-8 (80 ref.)
Quality of life in adults with insulin-dependent diabetes mellitus. Rodin G. **Psychother Psychosom** 1990; 54(2-3):132-9 (37 ref.)

SURGERY

Pancreas and islet cell transplantation for type I diabetes mellitus: does it have a role for children? Allen DB, et al. **Adv Pediatr** 1990;37:391-412 (95 ref.)
A bioartificial pancreas to prevent diabetic microangiopathy? Reach G, et al. **Contrib Nephrol** 1990;78:157-64; discussion 165 (30 ref.)
Pancreas transplantation. Sutherland DE, et al.
Crit Care Clin 1990 Oct;6(4):947-53 (26 ref.)
Recent achievements in experimental and clinical islet transplantation. Federlin K, et al. **Diabetic Med** 1991 Jan; 8(1):5-12 (74 ref.)
Why is the pancreas special? Groth CG, et al.
Transplant Proc 1991 Aug;23(4):2183-5 (14 ref.)
[Perioperative treatment of diabetics] Malling BV, et al.
Ugeskr Laeger 1991 Mar 4;153(10):698-701 (29 ref.) (Eng. Abstr.) **(Dan)**

THERAPY

Autoimmune diabetes in the nonobese diabetic mouse: suppression of immune defects by bone marrow transplantation and implications for therapy. Leiter EH, et al. **Clin Immunol Immunopathol** 1991 Jun;59(3):323-34 (36 ref.)
Preventing or postponing renal disease in insulin-dependent diabetes by glycemic and nonglycemic intervention. Mogensen CE, et al. **Contrib Nephrol** 1990;78:73-100; discussion 100-1 (69 ref.)
Clinical review 17: Immunotherapy of type I diabetes mellitus. Marks JB, et al. **J Clin Endocrinol Metab** 1991 Jan;72(1):3-9 (13 ref.)
Can insulin-dependent diabetes mellitus be cured or prevented? A status report on immunomodulatory strategies and pancreas transplantation. Drash AL, et al. **Pediatr Clin North Am** 1990 Dec;37(6):1467-87 (110 ref.)
[The immunotherapy of type-1 diabetes mellitus--experiences, results and prospects] Manov A.
Vutr Boles 1990;29(4):22-7 (20 ref.) **(Bul)**
[The treatment of ketoacidosis in children and adolescents with diabetes (simultaneous major ketosis and severe hypoglycemia)] Dieterlen P. **Ann Pediatr (Paris)** 1991 Apr; 38(4):240-3 (21 ref.) (Eng. Abstr.) **(Fre)**

URINE

Albuminuria--a marker of renal and generalized vascular disease in insulin-dependent diabetes mellitus. Jensen T. **Dan Med Bull** 1991 Apr;38(2):134-44 (181 ref.)

[Urinary excretion of N-acetyl-beta-D-glucosaminidase and microglobulin 2 in type I diabetes mellitus] Sitjar de Togores Alvarez M, et al. **An Esp Pediatr** 1991 Mar; 34(3):225–9 (36 ref.) (Eng. Abstr.) **(Spa)**

VETERINARY

Diabetes mellitus in nonhuman primates: recent research advances and current husbandry practices. Howard CF Jr, et al. **J Med Primatol** 1990;19(7):609–25 (72 ref.)

Nutritional management of diabetes mellitus. Nelson RW, et al. **Semin Vet Med Surg (Small Anim)** 1990 Aug; 5(3):178–86 (57 ref.)

DIABETES MELLITUS, JUVENILE ONSET see **DIABETES MELLITUS, INSULIN-DEPENDENT**

DIABETES MELLITUS, KETOSIS PRONE see **DIABETES MELLITUS, INSULIN-DEPENDENT**

DIABETES MELLITUS, KETOSIS-RESISTANT see **DIABETES MELLITUS, NON-INSULIN-DEPENDENT**

DIABETES MELLITUS, NON-INSULIN-DEPENDENT

Renal complications in non-insulin-dependent diabetes mellitus. Humphrey LL, et al. **Clin Geriatr Med** 1990 Nov; 6(4):807–25 (93 ref.)

The management of diabetes mellitus in older individuals. Morley JE, et al. **Drugs** 1991 Apr;41(4):548–65 (139 ref.)

Diabetes mellitus. Johnson AB, et al. **Postgrad Med J** 1990 Dec;66(782):1010–24 (125 ref.)

BLOOD

Plasma lipids and lipoproteins in diabetes: lessons from population-based studies. Laakso M, et al. **J Diabetic Complications** 1990 Apr-Jun;4(2):39–41 (30 ref.)

CHEMICALLY INDUCED

[Obesity and diabetes as side-effects of beta-blockers] Astrup AV. **Ugeskr Laeger** 1990 Oct 1;152(40):2905–8 (16 ref.) (Eng. Abstr.) **(Dan)**

CLASSIFICATION

Maturity onset-type diabetes of the young (MODY): one condition or many? Tattersall RB, et al. **Diabetic Med** 1991 Jun;8(5):402–10 (63 ref.)

[Chronic non-insulin deficient hyperglycemia in children] Lestradet H, et al. **Ann Pediatr (Paris)** 1991 Apr;38(4):255–9 (20 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Renal disease in noninsulin-dependent diabetes mellitus. Sirmon MD. **Am J Med Sci** 1990 Dec;300(6):388–95 (115 ref.)

Hyperlipidaemia in diabetes. Taskinen MR. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):743–75 (185 ref.)

Hypertension in obesity and NIDDM. Role of insulin and sympathetic nervous system. Daly PA, et al. **Diabetes Care** 1991 Mar;14(3):240–8 (101 ref.)

Diabetes and ACE inhibitors. Boulton AJ, et al. **J Hum Hypertens** 1990 Oct;4 Suppl 4:63–6; discussion 66–7 (24 ref.)

[Magnesium deficiency and development of late diabetic complications] Djurhuus MS, et al. **Ugeskr Laeger** 1991 Jul 22;153(30):2108–10 (30 ref.) (Eng. Abstr.) **(Dan)**

[Etiopathogenesis of early stages of diabetic nephropathy] Pynka S, et al. **Pol Tyg Lek** 1990 Oct 1–8;45(40–41):830–5 (58 ref.) **(Pol)**

[Is macroangiopathy a complication of diabetes mellitus? I.Hyper- insulinemia] Goldsztajn P. **Przegl Lek** 1990; 47(7):551–6 (60 ref.) **(Pol)**

DIAGNOSIS

Screening for non-insulin-dependent diabetes mellitus in the elderly. Trilling JS. **Clin Geriatr Med** 1990 Nov;6(4):839–48 (52 ref.)

DIET THERAPY

Current issues in fructose metabolism. Henry RR, et al. **Annu Rev Nutr** 1991;11:21–39 (110 ref.)

Diabetes and diet in pregnancy. Dornhorst A, et al. **Baillieres Clin Endocrinol Metab** 1990 Jun;4(2):291–311 (79 ref.)

Nutritional therapy with regard to weight reduction in diabetes and hypertension. Dodson PM, et al. **J Diabetic Complications** 1990 Apr-Jun;4(2):91–3 (11 ref.)

[Current trends in the dietary treatment of diabetes mellitus] Gavrailova D, et al. **Vutr Boles** 1990;29(3):40–7 (0 ref.) **(Bul)**

[Diet therapy of diabetes mellitus] Toeller M. **Fortschr Med** 1991 Jan 20;109(2):41–2, 45 (9 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Doxazosin therapy in the treatment of diabetic hypertension. Feher MD. **Am Heart J** 1991 Apr;121(4 (Pt 2)):1294–301 (50 ref.)

Rationale for the association of sulfonylurea and insulin. Del Prato S. **Am J Med** 1991 Jun 24;90(6A):77S–82S (47 ref.)

Combination of insulin and sulfonylureas: a literature review. Halimi S, et al. **Am J Med** 1991 Jun 24;90(6A):83S–86S (53 ref.)

Mechanisms for hyperglycemia in type II diabetes mellitus: therapeutic implications for sulfonylurea treatment—an update. Porte D Jr, et al. **Am J Med** 1991 Jun 24; 90(6A):8S–14S (26 ref.)

Current status of non-insulin-dependent diabetes mellitus (type II): management with gliclazide. Rifkin H. **Am J Med** 1991 Jun 24;90(6A):3S–7S (27 ref.)

Insulin therapy in maturity-onset diabetes. Sane T, et al. **Ann Med** 1991 Feb;23(1):13–9 (89 ref.)

Insulin treatment in the elderly diabetic patient. Nathan DM. **Clin Geriatr Med** 1990 Nov;6(4):923–31 (56 ref.)

Use of sulfonylurea agents in older diabetic patients. Peters AL, et al. **Clin Geriatr Med** 1990 Nov;6(4):903–21 (74 ref.)

Treatment of NIDDM with insulin agonists or substitutes. Galloway JA. **Diabetes Care** 1990 Dec;13(12):1209–39 (179 ref.)

Insulin use in NIDDM. Genuth S. **Diabetes Care** 1990 Dec; 13(12):1240–64 (225 ref.)

Combined insulin-sulfonylurea therapy in treatment of NIDDM. Groop LC, et al. **Diabetes Care** 1990 Aug;13 Suppl 3:47–52 (53 ref.)

Biguanides and sulfonylureas as combination therapy in NIDDM. Hermann LS. **Diabetes Care** 1990 Aug;13 Suppl 3:37–41 (26 ref.)

Role of insulin in management of surgical patients with diabetes mellitus. Hirsch IB, et al. **Diabetes Care** 1990 Sep; 13(9):980–91 (116 ref.)

Insulin use in NIDDM. Rationale based on pathophysiology of disease. Turner RC, et al. **Diabetes Care** 1990 Sep; 13(9):1011–20 (68 ref.)

Combined insulin and sulfonylurea therapy for type 2 diabetes mellitus. Riddle MC. **Diabetes Res Clin Pract** 1991 Jan; 11(1):3–8 (17 ref.)

Therapeutic perspectives in hyperlipidemic patients with diabetes mellitus. Garg A, et al. **J Diabetic Complications** 1990 Apr-Jun;4(2):72–4 (20 ref.)

The clinical use of oral sulfonylureas in the management of non-insulin dependent diabetes mellitus (NIDDM). Ponte CD. **W V Med J** 1990 Oct;86(10):455–8 (34 ref.)

[Glycemic equilibrium and weight evolution in diabetics taking metformin] Isnard F, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:297–314 (33 ref.) **(Fre)**

[Glycogen synthetase and non-insulin-dependent diabetes: role of gliclazide] Lesobre B. **Journ Annu Diabetol Hotel Dieu** 1991;:315–21 (21 ref.) **(Fre)**

[Control of diabetes mellitus] Daweke H. **Verh Dtsch Ges Inn Med** 1990;96:175–82 (19 ref.) **(Ger)**

[Progress in insulin therapy of NIDDM] Kuzuya H. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):354–7 (9 ref.) **(Jpn)**

[Insulin and its place in the therapy of diabetes mellitus types 1 and 2] Balabolkin MI. **Probl Endokrinol (Mosk)** 1990 Jul-Aug;36(4):63–9 (10 ref.) **(Rus)**

ETHNOLOGY

Westernisation, insulin resistance and diabetes in Australian aborigines. O'Dea K. **Med J Aust** 1991 Aug 19; 155(4):258–64 (55 ref.)

ETIOLOGY

Islet amyloid polypeptide (IAPP). A short review. Stridsberg M, et al. **Acta Oncol** 1991;30(4):451–6 (53 ref.)

Role of liver in the pathogenesis of type II diabetes. Gerich JE. **Adv Second Messenger Phosphoprotein Res** 1990; 24:507–10 (13 ref.)

Conference summary: diet as an environmental factor in development of insulin-dependent diabetes mellitus. Scott FW, et al. **Can J Physiol Pharmacol** 1991 Mar;69(3):311–9 (21 ref.)

Insulin resistance. A multifaceted syndrome responsible for NIDDM, obesity, hypertension, dyslipidemia, and atherosclerotic cardiovascular disease. DeFronzo RA, et al. **Diabetes Care** 1991 Mar;14(3):173–94 (307 ref.)

The changing shape of obesity, Japan 1990. Dyer RG. **Diabetic Med** 1991 Jun;8(5):492–4 (0 ref.)

Pathogenic factors in the development of type I and type II diabetes mellitus: 1990. Prout TE. **Md Med J** 1990 Oct; 39(10):933–7 (14 ref.)

Aetiopathology of non-insulin-dependent diabetes. Matthews DR. **S Afr Med J** 1990 Dec 1;78 Suppl:1–6 (24 ref.)

[Amylin, islet amyloid and diabetes mellitus type II] Fehmann HC, et al. **Dtsch Med Wochenschr** 1990 Nov 16; 115(46):1769–72 (47 ref.) **(Ger)**

[Metabolic diseases: risk factors, laboratory values, clinical aspects and clinical relevance] Mehnert H. **Verh Dtsch Ges Inn Med** 1990;96:126–37 (21 ref.) **(Ger)**

[APUD amyloidosis] Takano K, et al. **Nippon Rinsho** 1991 Apr;49(4):950–5 (8 ref.) **(Jpn)**

GENETICS

Genetics of non-insulin dependent diabetes mellitus. Hitman GA, et al. **Baillieres Clin Endocrinol Metab** 1991 Sep; 5(3):455–76 (108 ref.)

Use of DNA polymorphisms for genetic analysis of non-insulin dependent diabetes mellitus. Permutt MA. **Baillieres Clin Endocrinol Metab** 1991 Sep;5(3):495–526 (100 ref.)

Genetics of non-insulin dependent diabetes mellitus in 1990. Serjeantson SW, et al. **Baillieres Clin Endocrinol Metab** 1991 Sep;5(3):477–93 (93 ref.)

Mapping genes in diabetes. Genetic epidemiological perspective. Rich SS. **Diabetes** 1990 Nov;39(11):1315–9 (23 ref.)

Genetics of NIDDM. Permutt MA. **Diabetes Care** 1990 Nov; 13(11):1150–3 (46 ref.)

[Complication in diabetes with heavy inherited tendency] Kikuoka H, et al. **Nippon Rinsho** 1991 Feb;49 Suppl:548–52 (18 ref.) **(Jpn)**

METABOLISM

Aspects of the regulation of glucose transport in insulin-sensitive tissues in normal conditions and in type-2 diabetes. Cusin I, et al. **Biochem Soc Trans** 1990 Dec; 18(6):1127–30 (24 ref.)

Effects of drugs on glucose tolerance in non-insulin-dependent diabetics (Part II). O'Byrne S, et al. **Drugs** 1990 Aug;40(2):203–19 (265 ref.)

The BHE rat: an animal model for the study of non-insulin-dependent diabetes mellitus. Berdanier CD. **FASEB J** 1991 May;5(8):2139–44 (51 ref.)

Substrate interactions in the development of insulin resistance in type II diabetes and obesity. Sugden MC, et al. **J Endocrinol** 1990 Nov;127(2):187–90 (26 ref.)

Effects of exercise training on glucose control, lipid metabolism, and insulin sensitivity in hypertriglyceridemia and non-insulin dependent diabetes mellitus. Lampman RM, et al. **Med Sci Sports Exerc** 1991 Jun;23(6):703–12 (60 ref.)

Insulin resistance and hypertension. Sowers JR. **Mol Cell Endocrinol** 1990 Dec 3;74(2):C87–9 (17 ref.)

Islet amyloid and type 2 (non-insulin-dependent) diabetes. Clark A. **S Afr Med J** 1990 Dec 1;78 Suppl:7–11 (50 ref.)

Effects of omega 3 fatty acids on glucose and lipid metabolism in non-insulin-dependent diabetes mellitus. Vessby B. **World Rev Nutr Diet** 1991;66:407–16 (22 ref.)

[Role of amylin in the physiologic and physiopathologic regulation of energy metabolism] Cooper GJ. **Journ Annu Diabetol Hotel Dieu** 1991;:125–39 (69 ref.) **(Fre)**

[Insulin secretion in non-insulin-dependent diabetes] Turner RC, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:141–51 (56 ref.) **(Fre)**

PATHOLOGY

Banting lecture 1990. Beta-cells in type II diabetes mellitus. Porte D Jr. **Diabetes** 1991 Feb;40(2):166–80 (87 ref.)

Natural history of beta-cell dysfunction in NIDDM. Leahy JL. **Diabetes Care** 1990 Sep;13(9):992–1010 (196 ref.)

PHYSIOPATHOLOGY

Insulin resistance in type II diabetes mellitus. Rizza R, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:511–6 (33 ref.)

Hypertension and diabetes in blacks. Douglas JG. **Diabetes Care** 1990 Nov;13(11):1191–5 (50 ref.)

Calcium metabolism in hypertension and allied metabolic disorders. Resnick LM. **Diabetes Care** 1991 Jun; 14(6):505–20 (129 ref.)

Central role of sodium in hypertension in diabetic subjects. Weidmann P, et al. **Diabetes Care** 1991 Mar;14(3):220–32 (122 ref.)

Cytosolic calcium: a new factor in insulin resistance? Draznin B. **Diabetes Res Clin Pract** 1991 Mar;11(3):141–5 (35 ref.)

Microalbuminuria: measurements, determinants and accompaniments [editorial] Ganda OP. **Diabetes Res Clin Pract** 1991 Mar;11(3):137–9 (18 ref.)

Application of structural model of glucose-insulin relations to assess beta-cell function and insulin sensitivity. Turner RC, et al. **Horm Metab Res Suppl** 1990;24:66–71 (9 ref.)

Hypertension in glucose intolerance and diabetes. Jarrett RJ. **J Intern Med Suppl** 1991;735:85–8 (29 ref.)

[Beta cells in Type II diabetes: culprit or victim?] Scheen AJ, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:153–69 (89 ref.) **(Fre)**

[The misconstrued metabolic syndrome essential hypertension. Chronology of interdisciplinary change in attitude] Rett K, et al. **Med Klin** 1991 Feb 15;86(2):86–91 (66 ref.) **(Ger)**

[Hypertension, insulin resistance and diabetes mellitus: pathophysiological interactions and therapeutic consequences] Schernthaner G. **Wien Klin Wochenschr** 1990 Dec 21;102(24):707–12 (59 ref.) (Eng. Abstr.) **(Ger)**

[Pathogenesis of hyperglycemia in diabetes mellitus type II (insulin-independent)] Brożyński K, et al. **Pol Tyg Lek** 1989 May 22–29;44(21–22):514–8 (44 ref.) (Eng. Abstr.) **(Pol)**

[Significance of insulin resistance to the pathogenesis of diabetes mellitus type II] Ratzmann KP. **Pol Tyg Lek** 1989 May 22–29;44(21–22):507–8 (11 ref.) **(Pol)**

PREVENTION & CONTROL

Will sulfonylurea treatment of impaired glucose tolerance delay development and complications of NIDDM?

Melander A, et al. **Diabetes Care** 1990 Aug;13 Suppl 3:53–8 (35 ref.)
Kelly West Lecture. Primary prevention of type II diabetes mellitus. Stern MP. **Diabetes Care** 1991 May;14(5):399–410 (73 ref.)

PSYCHOLOGY

Cognitive and affective disorders in elderly diabetics. Tun PA, et al. **Clin Geriatr Med** 1990 Nov;6(4):731–46 (53 ref.)

SURGERY

[Perioperative treatment of diabetics] Malling BV, et al. **Ugeskr Laeger** 1991 Mar 4;153(10):698–701 (29 ref.) (Eng. Abstr.) **(Dan)**

THERAPY

Exercise in therapy and prevention of type II diabetes. Implications for blacks. Ruderman N, et al. **Diabetes Care** 1990 Nov;13(11):1163–8 (71 ref.)
Nutrition management for individuals with noninsulin-dependent diabetes mellitus in the 1990s: a review by the Diabetes Care and Education dietetic practice group. Beebe CA, et al. **J Am Diet Assoc** 1991 Feb;91(2):196–202, 205–7 (31 ref.)
Very low calorie diets and recently developed anti-obesity drugs for treating overweight in non-insulin-dependent diabetics. Meinders AE. **Neth J Med** 1990 Oct; 37(3–4):162–6 (22 ref.)
Intensive management of type II diabetes. Duckworth WC. **Postgrad Med** 1991 Mar;89(4):65–8, 70, 72 (11 ref.)

VETERINARY

Diabetes mellitus in nonhuman primates: recent research advances and current husbandry practices. Howard CF Jr, et al. **J Med Primatol** 1990;19(7):609–25 (72 ref.)
Nutritional management of diabetes mellitus. Nelson RW, et al. **Semin Vet Med Surg (Small Anim)** 1990 Aug; 5(3):178–86 (57 ref.)

DIABETES MELLITUS, STABLE see **DIABETES MELLITUS, NON-INSULIN-DEPENDENT**

DIABETES MELLITUS, TYPE 1 see **DIABETES MELLITUS, INSULIN-DEPENDENT**

DIABETES MELLITUS, TYPE 2 see **DIABETES MELLITUS, NON-INSULIN-DEPENDENT**

DIABETES, PHOSPHATE see **HYPOPHOSPHATEMIA, FAMILIAL**

DIABETIC ANGIOPATHIES

[Diabetic angiopathies 1990] Skrha J. **Cas Lek Cesk** 1991 Mar 15;130(11):321–7 (25 ref.) (Eng. Abstr.) **(Cze)**

BLOOD

Oxidized low density lipoproteins: a role in the pathogenesis of atherosclerosis in diabetes? Lyons TJ. **Diabetic Med** 1991 Jun;8(5):411–9 (85 ref.)
[The role of growth hormone in the development of complications in insulin-dependent diabetes] Krawczuk-Rybak M, et al. **Padiatr Grenzgeb** 1991; 30(3):237–43 (37 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Foot reconstruction in diabetes mellitus and peripheral vascular insufficiency. Searles JM Jr, et al. **Clin Plast Surg** 1991 Jul;18(3):467–83 (115 ref.)

DIAGNOSIS

Diabetes mellitus and silent myocardial ischemia. Alpert JS, et al. **Adv Cardiol** 1990;37:297–303 (27 ref.)
[Correlations between cardiorespiratory reflex impairment and distal neuropathy in diabetics free of clinical symptoms of autonomic neuropathy] Jermendy G, et al. **Orv Hetil** 1990 Oct 7;131(40):2187–8, 2191–4 (50 ref.) (Eng. Abstr.) **(Hun)**
[Prospective study of cardiac autonomic neuropathy in diabetes mellitus] Jermendy G, et al. **Orv Hetil** 1991 Jun 23;132(25):1351–2, 1355–8 (34 ref.) (Eng. Abstr.) **(Hun)**

DRUG THERAPY

Pathophysiology and management of hypertension in diabetes. Tuck ML, et al. **Annu Rev Med** 1991;42:533–48 (89 ref.)
Insulin sensitivity and blood lipids during antihypertensive treatment with special reference to ACE inhibition. Pollare T. **J Diabetic Complications** 1990 Apr-Jun;4(2):75–8 (20 ref.)

ETIOLOGY

Mechanisms of diabetic renal and cardiovascular disease. Viberti GC. **Acta Diabetol Lat** 1990 Jul-Sep;27(3):267–76 (54 ref.)
Pathogenesis of diabetic microangiopathy: an overview. Barnett AH. **Am J Med** 1991 Jun 24;90(6A):67S–73S (55 ref.)
Pathophysiology of vascular disease in diabetes: effects of gliclazide. Colwell JA. **Am J Med** 1991 Jun 24; 90(6A):50S–54S (28 ref.)
Diabetes and coronary heart disease: the role of hyperlipidemia. Betteridge DJ. **J Diabetic Complications** 1990 Apr-Jun;4(2):53–6 (31 ref.)
Tight metabolic control: the pros and cons [editorial] Bibergeil H. **J Diabetic Complications** 1990 Jul-Sep; 4(3):98–101 (65 ref.)
Hypertension in the course of insulin dependent diabetes mellitus and its pathogenetic mechanisms. Feldt-Rasmussen B, et al. **J Diabetic Complications** 1990 Apr-Jun;4(2):60–2 (26 ref.)
Plasma lipids and lipoproteins in diabetes: lessons from population-based studies. Laakso M, et al. **J Diabetic Complications** 1990 Apr-Jun;4(2):39–41 (30 ref.)
Hypothesis: insulin is responsible for the vascular complications of diabetes. Gwinup G, et al. **Med Hypotheses** 1991 Jan;34(1):1–6 (53 ref.)
[Is macroangiopathy a complication of diabetes mellitus? II: Hypertriglyceridemia] Goldsztajn P. **Przegl Lek** 1990; 47(8):597–602 (45 ref.) **(Pol)**
[Is macroangiopathy a complication of diabetes mellitus? I.Hyper- insulinemia] Goldsztajn P. **Przegl Lek** 1990; 47(7):551–6 (60 ref.) **(Pol)**
[Disorders of carbohydrate-lipid metabolism in cerebral ischemia] Maciejek Z, et al. **Wiad Lek** 1990 Sep 1–15; 43(17–18):890–4 (52 ref.) **(Pol)**
[Pathogenesis of diabetic nephroangiopathies] Spesivtseva VG, et al. **Klin Med (Mosk)** 1990 Jun;68(6):19–24 (66 ref.) **(Rus)**
[Risk factors for the development of diabetic complications in insulin-dependent diabetes mellitus in children and adolescents] Vakhrusheva LL. **Pediatriia** 1991;(2):97–100 (29 ref.) **(Rus)**
[Pathogenic aspects of diabetic macroangiopathy] Tkáč I. **Vnitr Lek** 1990 Jun;36(6):590–6 (37 ref.) (Eng. Abstr.) **(Slo)**

METABOLISM

[Role of polyol-myoinositol metabolic changes in the pathogenesis of diabetic macro-angiopathy] Fu MX, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):300–4 (39 ref.) **(Chi)**

PHYSIOPATHOLOGY

Role of peptide growth factors in development of macrovascular complications of diabetes. Clemmons DR. **Diabetes Care** 1991 Feb;14(2):153–6 (29 ref.)
von Willebrand factor and endothelial abnormalities in diabetic microangiopathy. Porta M, et al. **Diabetes Care** 1991 Feb;14(2):167–72 (28 ref.)
Lawrence lecture. The diabetic foot: neuropathic in aetiology? Boulton AJ. **Diabetic Med** 1990 Dec;7(10):852–8 (59 ref.)
Diabetes and arterial disease. Gries FA, et al. **Diabetic Med** 1991;8 Spec No:S82–7 (76 ref.)
Hypertension in glucose intolerance and diabetes. Jarrett RJ. **J Intern Med Suppl** 1991;735:85–8 (29 ref.)
Sympathetic neuronal activity in diabetic and non-diabetic subjects with peripheral arterial occlusive disease. Huber KH, et al. **Klin Wochenschr** 1991 Apr 4;69(6):233–8 (25 ref.)

PREVENTION & CONTROL

A bioartificial pancreas to prevent diabetic microangiopathy? Reach G, et al. **Contrib Nephrol** 1990;78:157–64; discussion 165 (30 ref.)
Strategies in diabetes mellitus. Start of a new era. Skyler JS. **Postgrad Med** 1991 May 1;89(6):45–6, 49, 53–6 passim (25 ref.)

THERAPY

Management of hypertension in the diabetic patient. Joseph JC, et al. **Clin Pharm** 1990 Nov;9(11):864–73 (108 ref.)

URINE

Albuminuria—a marker of renal and generalized vascular disease in insulin-dependent diabetes mellitus. Jensen T. **Dan Med Bull** 1991 Apr;38(2):134–44 (181 ref.)

DIABETIC COMA

THERAPY

Practical management of diabetic ketoacidosis and hyperosmolar coma. Hamblin PS, et al. **Aust N Z J Med** 1990 Dec;20(6):836–41 (33 ref.)

DIABETIC DIET

Diabetic's diet in the Hispanic Caribbean. Hidalgo BA. **Bol Asoc Med P R** 1990 Jul;82(7):307–13 (41 ref.)
Reducing protein in the diabetic diet. Pedersen MM, et al. **Diabete Metab** 1990 Sep-Oct;16(5):454–9 (37 ref.)
Sucrose and fructose in the diabetic diet. Nutrition Subcommittee of the British Diabetic Association's Professional Advisory Committee. **Diabetic Med** 1990 Nov; 7(9):764–9 (35 ref.)
[Diet therapy of diabetes mellitus] Toeller M. **Fortschr Med** 1991 Jan 20;109(2):41–2, 45 (9 ref.) (Eng. Abstr.) **(Ger)**

TRENDS

[Current trends in the dietary treatment of diabetes mellitus] Gavrailova D, et al. **Vutr Boles** 1990;29(3):40–7 (0 ref.) **(Bul)**
[Diet treatment of the diabetic patient: yesterday and today. What has changed? What can be learned from it?] Verdonk G. **Verh K Acad Geneeskd Belg** 1990;52(6):475–508; discussion 508–9 (101 ref.) (Eng. Abstr.) **(Dut)**
[Current trends in the diet therapy of diabetes mellitus] Perederil AV, et al. **Ter Arkh** 1991;63(2):149–56 (203 ref.) **(Rus)**

DIABETIC NEPHROPATHIES

Renal complications in non-insulin-dependent diabetes mellitus. Humphrey LL, et al. **Clin Geriatr Med** 1990 Nov; 6(4):807–25 (93 ref.)
Diabetic nephropathy [editorial] Watkins PJ. **Q J Med** 1990 Aug;76(280):767–9 (13 ref.)
[Diabetic nephropathy: a review for clinicians] Muíño Miguez A, et al. **An Med Interna** 1989 Jan;6(1):36–40 (64 ref.) (Eng. Abstr.) **(Spa)**

BLOOD

[Dyslipoproteinemia and diabetic nephropathy] Suraniti S, et al. **Diabete Metab** 1991 Mar-Apr;17(2):308–12 (22 ref.) **(Fre)**
[Plasma and urine beta-thromboglobulin determination in the detection of thrombocyte hyperactivation in diabetic nephropathies] Tóth L, et al. **Orv Hetil** 1991 May 26; 132(21):1135–8, 1141 (47 ref.) (Eng. Abstr.) **(Hun)**

COMPLICATIONS

[Emphysematous pyelonephritis in a diabetic patient. Literature review apropos of a case] Picron B, et al. **Acta Clin Belg** 1991;46(2):94–9 (18 ref.) (Eng. Abstr.) **(Fre)**
[Polyuric dilatation of the urinary tract in congenital nephrogenic diabetes insipidus. Clinical and diagnostic aspects. Presentation of a case and review of the literature] Soler Fernández JM, et al. **Actas Urol Esp** 1990 Sep-Oct; 14(5):374–7 (19 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Microalbuminuria: measurements, determinants and accompaniments [editorial] Ganda OP. **Diabetes Res Clin Pract** 1991 Mar;11(3):137–9 (18 ref.)
The role of the pediatric nephrologist in the care of children with diabetes mellitus. Lane P, et al. **Pediatr Nephrol** 1991 May;5(3):359–63 (64 ref.)
[Emphysematous pyelitis and pyelonephritis: unrecognized clinical entities] Mainil-Varlet P, et al. **Rev Med Brux** 1990 Sep;11(7):251–6, 259 (27 ref.) (Eng. Abstr.) **(Fre)**
[Diagnosis and therapy of diabetic nephropathy] Hasslacher C. **Fortschr Med** 1990 Dec 20;108(36):694–7 (15 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Use of angiotensin-converting-enzyme inhibitors in the management of renal disease. Asher JP, et al. **Clin Pharm** 1991 Jan;10(1):25–31 (36 ref.)
Diabetes and ACE inhibitors. Boulton AJ, et al. **J Hum Hypertens** 1990 Oct;4 Suppl 4:63–6; discussion 66–7 (24 ref.)

ETIOLOGY

Mechanisms of diabetic renal and cardiovascular disease. Viberti GC. **Acta Diabetol Lat** 1990 Jul-Sep;27(3):267–76 (54 ref.)
Renal disease in noninsulin-dependent diabetes mellitus. Sirmon MD. **Am J Med Sci** 1990 Dec;300(6):388–95 (115 ref.)
Insulin-dependent diabetes mellitus and hypertension. Nosadini R, et al. **Diabetes Care** 1991 Mar;14(3):210–9 (65 ref.)
Glycemic control, incipient diabetic nephropathy, and diabetic retinopathy. Hanssen KF, et al. **J Diabetic Complications** 1990 Apr-Jun;4(2):66–7 (20 ref.)
The renal tubulointerstitium in diabetes mellitus. Ziyadeh FN, et al. **Kidney Int** 1991 Mar;39(3):464–75 (139 ref.)
[The pathogenesis of arterial hypertension in diabetes mellitus and its role in nephropathy] Raimondi C, et al. **Recenti Prog Med** 1990 Dec;81(12):782–7 (27 ref.) (Eng. Abstr.) **(Ita)**
[Etiopathogenesis of early stages of diabetic nephropathy] Pynka S, et al. **Pol Tyg Lek** 1990 Oct 1–8;45(40–41):830–5 (58 ref.) **(Pol)**
[Pathogenesis of diabetic nephroangiopathies] Spesivtseva VG, et al. **Klin Med (Mosk)** 1990 Jun;68(6):19–24 (66 ref.) **(Rus)**
[The pathogenetic characteristics of diabetic nephropathy and its early diagnosis] Dedov II, et al. **Probl Endokrinol (Mosk)** 1990 Jul-Aug;36(4):57–63 (26 ref.) **(Rus)**

METABOLISM

Nodular glomerulosclerosis in a patient showing impaired glucose tolerance. Yoshida A, et al. **Nippon Jinzo Gakkai Shi** 1990 Aug;32(8):877–84 (22 ref.)

MORTALITY

The impact of hypertension and antihypertensive treatment on the course and prognosis of diabetic nephropathy. Parving HH. **J Hypertens Suppl** 1990 Dec;8(7):S187–91 (33 ref.)

PATHOLOGY

[Mechanisms of compensatory hypertrophy of the kidney] Klin M. **Postepy Hig Med Dosw** 1990;44(1–3):85–112 (123 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Impact of blood pressure and antihypertensive treatment on incipient and overt nephropathy, retinopathy, and endothelial permeability in diabetes mellitus. Parving HH. **Diabetes Care** 1991 Mar;14(3):260–9 (87 ref.)

Diabetic renal disease in type 1 diabetes: aetiology and prevention. Viberti GC. **Diabetic Med** 1991;8 Spec No:S38–42 (41 ref.)

PREVENTION & CONTROL

Preventing or postponing renal disease in insulin-dependent diabetes by glycemic and nonglycemic intervention. Mogensen CE, et al. **Contrib Nephrol** 1990;78:73–100; discussion 100–1 (69 ref.)

Reducing protein in the diabetic diet. Pedersen MM, et al. **Diabete Metab** 1990 Sep–Oct;16(5):454–9 (37 ref.)

High dietary cholesterol prevents renal tubular lesions in diabetic rats. **Nutr Rev** 1991 Feb;49(2):60–2 (14 ref.)

[Diabetic nephropathy. Prevention and early diagnosis] Barrio Castellanos R. **An Esp Pediatr** 1990 Nov; 33(5):407–12 (40 ref.) **(Spa)**

SURGERY

Why is the pancreas special? Groth CG, et al. **Transplant Proc** 1991 Aug;23(4):2183–5 (14 ref.)

THERAPY

Diabetic nephropathy: changing concepts of pathogenesis and treatment. Bell DS. **Am J Med Sci** 1991 Mar; 301(3):195–200 (70 ref.)

Continuous ambulatory peritoneal dialysis in diabetic patients. Scarpioni LL, et al. **Contrib Nephrol** 1990;84:60–74 (40 ref.)

Treatment of diabetic nephropathy: a rational approach based on its pathophysiology. Tuttle KR, et al. **Semin Nephrol** 1991 Mar;11(2):220–35 (149 ref.)

URINE

The pre-proteinuric phase of diabetic nephropathy. Christensen CK. **Dan Med Bull** 1991 Apr;38(2):145–59 (139 ref.)

Albuminuria—a marker of renal and generalized vascular disease in insulin-dependent diabetes mellitus. Jensen T. **Dan Med Bull** 1991 Apr;38(2):134–44 (181 ref.)

Microalbuminuria in diabetes: which method to employ, which sample to collect. Giampietro O, et al. **J Nucl Med Allied Sci** 1990 Apr–Jun;34(2):111–20 (71 ref.)

Microalbuminuria in diabetic care. Jennings P. **Scott Med J** 1990 Oct;35(5):132–3 (35 ref.)

DIABETIC NEUROPATHIES

Natural history of the diabetic neuropathies. Watkins PJ. **Q J Med** 1990 Dec;77(284):1209–18 (52 ref.)

COMPLICATIONS

Foot reconstruction in diabetes mellitus and peripheral vascular insufficiency. Searles JM Jr, et al. **Clin Plast Surg** 1991 Jul;18(3):467–83 (115 ref.)

DIAGNOSIS

Cardiovascular autonomic dysfunction: diagnosis and prognosis. Broadstone VL, et al. **Diabetic Med** 1991;8 Spec No:S88–93 (19 ref.)

Evaluative procedures to detect, characterize, and assess the severity of diabetic neuropathy. Dyck PJ. **Diabetic Med** 1991;8 Spec No:S48–51 (14 ref.)

[Diabetic neuropathy. Diagnosis and classification] Ambler Z. **Cesk Neurol Neurochir** 1990 Sep;53(5):289–93 (21 ref.) **(Cze)**

[Diabetic autonomic neuropathy. Severity, detection methods, therapeutic attempt] Valensi P. **Ann Med Interne (Paris)** 1991;142(1):31–41 (126 ref.) **(Fre)**

[Correlations between cardiorespiratory reflex impairment and distal neuropathy in diabetics free of clinical symptoms of autonomic neuropathy] Jermendy G, et al. **Orv Hetil** 1990 Oct 7;131(40):2187–8, 2191–4 (50 ref.) (Eng. Abstr.) **(Hun)**

[Prospective study of cardiac autonomic neuropathy in diabetes mellitus] Jermendy G, et al. **Orv Hetil** 1991 Jun 23;132(25):1351–2, 1355–8 (34 ref.) (Eng. Abstr.) **(Hun)**

[Possibilities of early diagnosis of autonomic neuropathy in diabetics] Tornóczky J, et al. **Orv Hetil** 1991 Mar 17; 132(11):571–4 (26 ref.) (Eng. Abstr.) **(Hun)**

DRUG THERAPY

Treatment of diabetic neuropathy with inhibitors of the aldose reductase enzyme. Green AJ, et al. **J Diabetic Complications** 1990 Oct–Dec;4(4):138–44 (47 ref.)

EPIDEMIOLOGY

Diabetic neuropathy: its measurement and epidemiologic features. Maser RE, et al. **Del Med J** 1991 Feb;63(2):85–93 (31 ref.)

ETIOLOGY

Pathogenesis of diabetic neuropathy: the role of the n–6 essential fatty acids and their eicosanoid derivatives. Jamal GA. **Diabetic Med** 1990 Aug;7(7):574–9 (70 ref.)

Tight metabolic control: the pros and cons [editorial] Bibergeil H. **J Diabetic Complications** 1990 Jul–Sep; 4(3):98–101 (65 ref.)

IMMUNOLOGY

Immunology of diabetic and polyglandular neuropathy. Rabinowe SL. **Diabetes Metab Rev** 1990 Dec;6(3):169–88 (169 ref.)

PATHOLOGY

[Diabetic neuropathy—a review of pathological studies] Kito S, et al. **Nippon Rinsho** 1991 Feb;49 Suppl:152–8 (36 ref.) **(Jpn)**

PHYSIOPATHOLOGY

Diabetic autonomic neuropathy. Stevens MJ, et al. **Acta Diabetol Lat** 1991 Jan–Mar;28(1):105–12 (44 ref.)

Clinical presentation and management of diabetic neuropathy and foot ulceration. Boulton AJ. **Diabetic Med** 1991;8 Spec No:S52–7 (30 ref.)

Lawrence lecture. The diabetic foot: neuropathic in aetiology? Boulton AJ. **Diabetic Med** 1990 Dec;7(10):852–8 (59 ref.)

Aspects of autonomic neurophysiology in diabetic polyneuropathy: a brief review. Fagius J. **Diabetic Med** 1991;8 Spec No:S58–62 (30 ref.)

PREVENTION & CONTROL

Aldose reductase inhibitors. Kirchain WR, et al. **Pharmacotherapy** 1990;10(5):326–36 (139 ref.)

Strategies in diabetes mellitus. Start of a new era. Skyler JS. **Postgrad Med** 1991 May 1;89(6):45–6, 49, 53–6 passim (25 ref.)

THERAPY

The latest theories and treatment for diabetic foot complications. Joseph R, et al. **Clin Podiatr Med Surg** 1991 Apr;8(2):249–72 (57 ref.)

DIABETIC RETINOPATHY

COMPLICATIONS

[Diabetic retinopathy: an important cause of blindness] Boucher MC, et al. **Union Med Can** 1991 Mar–Apr; 120(2):72–6 (10 ref.) **(Fre)**

DIAGNOSIS

Diabetic retinopathy: methodologies in practice. Cathelineau G, et al. **Diabetic Med** 1991;8 Spec No:S17–22 (52 ref.)

Screening for diabetic retinopathy. Owens DR, et al. **Diabetic Med** 1991;8 Spec No:S4–10 (50 ref.)

EPIDEMIOLOGY

Diabetic retinopathy in blacks. Rabb MF, et al. **Diabetes Care** 1990 Nov;13(11):1202–6 (19 ref.)

ETIOLOGY

Diabetic retinopathy—management of pathogenic factors. Seshiah V. **Indian J Ophthalmol** 1986;34:337–9 (0 ref.)

Glycemic control, incipient diabetic nephropathy, and diabetic retinopathy. Hanssen KF, et al. **J Diabetic Complications** 1990 Apr–Jun;4(2):66–7 (20 ref.)

Aldose reductase in the etiology of diabetic complications: 4. Retinopathy. Stribling D, et al. **J Diabetic Complications** 1990 Jul–Sep;4(3):102–7 (74 ref.)

On the pathogenesis of diabetic retinopathy. A 1990 update. Frank RN. **Ophthalmology** 1991 May;98(5):586–93 (77 ref.)

PATHOLOGY

Microvascular pathology in diabetes with particular reference to diabetic retinopathy. Ratnakar KS. **Indian J Ophthalmol** 1986;34:333–6 (7 ref.)

PHYSIOPATHOLOGY

Impact of blood pressure and antihypertensive treatment on incipient and overt nephropathy, retinopathy, and endothelial permeability in diabetes mellitus. Parving HH. **Diabetes Care** 1991 Mar;14(3):260–9 (87 ref.)

[Diabetic maculopathy] Coscas G. **Ann Med Interne (Paris)** 1990;141(4):345–8 (20 ref.) **(Fre)**

PREVENTION & CONTROL

Screening for diabetic retinopathy in Europe [editorial] Porta M, et al. **Diabetic Med** 1991 Apr;8(3):197–8 (15 ref.)

Aldose reductase inhibitors. Kirchain WR, et al. **Pharmacotherapy** 1990;10(5):326–36 (139 ref.)

[Prevention—need for periodic ophthalmologic examinations of diabetics] Alsbirk KE, et al. **Ugeskr Laeger** 1990 Oct 8;152(41):3017–9 (24 ref.) **(Dan)**

DIACETYLMORPHINE

Drug sharing among intravenous drug users [letter] Inciardi JA, et al. **AIDS** 1991 Jun;5(6):772–3 (11 ref.)

ADMINISTRATION & DOSAGE

Intraventricular diamorphine via an Ommaya shunt for intractable cancer pain. Reeve WG, et al. **Br J Anaesth** 1990 Oct;65(4):544–7 (13 ref.)

DIACYLGLYCEROLS see DIGLYCERIDES

DIAGNOSIS

The role of the autopsy in assessing clinical diagnoses. Cameron HM. **IARC Sci Publ** 1991;(112):75–9 (15 ref.)

Autopsy as the yardstick for diagnosis: an epidemiologist's remarks. Saracci R. **IARC Sci Publ** 1991;(112):185–96 (14 ref.)

Patient characteristics in SUPPORT: disease specific clinical data. Phillips RS, et al. **J Clin Epidemiol** 1990;43 Suppl:41S–45S (61 ref.)

The importance of diagnostic procedures to ensure quality of health care in geriatric medicine. Examples from recent studies. Steen B. **Qual Assur Health Care** 1990; 2(3–4):387–92 (16 ref.)

Functional magnetic resonance imaging in medicine and physiology. Moonen CT, et al. **Science** 1990 Oct 5; 250(4977):53–61 (55 ref.)

[Medical diagnosis] Rizzi DA. **Ugeskr Laeger** 1991 Mar 4; 153(10):694–7 (30 ref.) (Eng. Abstr.) **(Dan)**

[Tools for the evaluation of diagnostic techniques] Grenier B. **Pathol Biol (Paris)** 1991 Apr;39(4):308–15 (28 ref.) (Eng. Abstr.) **(Fre)**

[Special therapeutic directions. 4: Procedures with technical assistance and diagnostic procedures] Eujen R. **Med Monatsschr Pharm** 1991 Apr;14(4):109–17 (8 ref.) **(Ger)**

[DNA markers in the diagnosis and prophylaxis of internal diseases] Buraczyńska M, et al. **Pol Arch Med Wewn** 1990 Nov;84(5):302–8 (27 ref.) **(Pol)**

DIAGNOSIS, COMPUTER-ASSISTED

A diagnostic expert system for colonic lesions. Graham AR, et al. **Am J Clin Pathol** 1990 Oct;94(4 Suppl 1):S15–8 (4 ref.)

Expert systems in obstetrics and gynaecology. Chard T, et al. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):815–40 (55 ref.)

Computer-aided decision support—glittering prospects, practical problems, and Pandora's box. De Dombal FT. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):841–9 (11 ref.)

Computerized analysis of cardiotocograms and fetal movements. Maeda K. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):797–813 (15 ref.)

Digital chest radiography. MacMahon H, et al. **Clin Chest Med** 1991 Mar;12(1):19–32 (39 ref.)

Why the standard view is standard: people, not machines, understand patients' problems. Miller RA. **J Med Philos** 1990 Dec;15(6):581–91 (31 ref.)

Artificial intelligence in the diagnosis of low back pain. Mann NH 3d, et al. **Orthop Clin North Am** 1991 Apr;22(2):303–14 (37 ref.)

INSTRUMENTATION

The structure of expert diagnostic knowledge in occupational medicine. Harber P, et al. **Am J Ind Med** 1991;19(1):109–20 (8 ref.)

The epidemiology of dementia: GMS–AGECAT studies of prevalence and incidence, including studies in progress. Copeland JR, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;240(4–5):212–7 (27 ref.)

[Action and reaction elements as performance-modifying components of computer use in clinical psychology] Weber P, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Dec; 42(12):755–60 (5 ref.) (Eng. Abstr.) **(Ger)**

METHODS

[Possibilities of mathematical modeling in psychiatry (review of the literature)] Blokhina VP, et al. **Zh Nevropatol Psikhiatr** 1990;90(7):120–3 (74 ref.) **(Rus)**

TRENDS

Diagnosis without doctors. Mazoué JG. **J Med Philos** 1990

Dec;15(6):559–79 (50 ref.)

DIAGNOSIS, IMMUNOLOGICAL see **IMMUNOLOGIC TESTS**

DIAGNOSIS, LABORATORY

Multivariate techniques to assess laboratory tests in cancer patients. Winkel P, et al. **Immunol Ser** 1990;53:27–38 (13 ref.)

Assessment of patient laboratory data in the acutely ill. Kee JL, et al. **Nurs Clin North Am** 1990 Dec;25(4):751–9 (11 ref.)

The office laboratory. Bergquist JR. **Prim Care** 1990 Dec; 17(4):731–43 (28 ref.)

["Dry chemistry" determinations for office practice laboratory] Vonderschmitt DJ. **Schweiz Rundsch Med Prax** 1991 Mar 26;80(13):335–9 (13 ref.) (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Therapeutic drug monitoring analysis systems for the physician office laboratory: a review of the literature. Oles KS. **DICP** 1990 Nov;24(11):1070–7 (48 ref.)

METHODS

Diagnosis of human herpesviruses: memorandum from a WHO meeting. **Bull World Health Organ** 1991;69(3):277–83 (4 ref.)

[Laboratory chemical analysis in ascites] Satz N. **Schweiz Med Wochenschr** 1991 Apr 13;121(15):536–47 (59 ref.) (Eng. Abstr.) **(Ger)**

STANDARDS

Functions and activities of the Area Committee on Microbiology of the National Committee for Clinical Laboratory Standards. Washington JA. **Clin Microbiol Rev** 1991 Apr;4(2):150–5 (29 ref.)

Clinically based quality goals; a NORDKEM project. Petersen PH, et al. **Eur J Haematol Suppl** 1990;53:6–8 (10 ref.)

[Quality assurance in clinical laboratory diagnosis] Endröczi E. **Orv Hetil** 1990 Nov 11;131(45):2463–7 (34 ref.) (Eng. Abstr.) **(Hun)**

UTILIZATION

Testing for uncommon conditions. The heroic search for positive test results [see comments] Woolf SH, et al. **Arch Intern Med** 1990 Dec;150(12):2451–8 (81 ref.) Comment in: Arch Intern Med 1991 Jul;151(7):1463.

DIAGNOSIS, NURSING see **NURSING DIAGNOSIS**

DIAGNOSIS, ORAL

METHODS

Current research in diagnostic methods for assessing periodontal disease and its future impact. Loesche WJ. **J Can Dent Assoc** 1991 Jul;57(7):574–8 (27 ref.)

DIAGNOSIS, PRENATAL see **PRENATAL DIAGNOSIS**

DIAGNOSTIC ERRORS

[Characteristic therapeutic errors in the clinical course of internal diseases] Permiakov NK. **Ter Arkh** 1991; 63(2):111–20 (40 ref.) **(Rus)**

DIAGNOSTIC IMAGING

see related
IMAGE PROCESSING, COMPUTER-ASSISTED

Condensing osteitis of the clavicle. Report of two cases and review of the literature. Lissens M, et al. **Acta Belg Med Phys** 1990 Oct–Dec;13(4):235–40 (17 ref.)

Imaging of vascular complications associated with renal transplants. Dodd GD 3d, et al. **AJR Am J Roentgenol** 1991 Sep;157(3):449–59 (52 ref.)

Oriental cholangiohepatitis: pathologic, clinical, and radiologic features. Lim JH. **AJR Am J Roentgenol** 1991 Jul;157(1):1–8 (46 ref.)

Imaging the pleura: sonography, CT, and MR imaging. McLoud TC, et al. **AJR Am J Roentgenol** 1991 Jun; 156(6):1145–53 (66 ref.)

Physiological considerations in imaging of lower extremity venous thrombosis. Chaudhuri TK, et al. **Am J Physiol Imaging** 1991;6(2):90–104 (88 ref.)

Current status of imaging in the diagnosis of acute appendicitis. Chaudhuri TK, et al. **Am J Physiol Imaging** 1990;5(2):89–96 (37 ref.)

Quantitative microscopy and artificial intelligence: some philosophical reflections. Kibbelaar RE, et al. **Anal Cell Pathol** 1989 Feb;1(1):1–10 (36 ref.)

Supratentorial tumours. Part II: Tumours of neuroglial cells. Sage MR. **Australas Radiol** 1991 Feb;35(1):18–30 (39 ref.)

Supratentorial tumours. Part I: General role of imaging. Sage MR. **Australas Radiol** 1991 Feb;35(1):4–17 (57 ref.)

Role of diagnostic imaging in the evaluation and treatment of post-operative complications of the urinary tract. Vaccaro JP, et al. **Br J Urol** 1991 Feb;67(2):113–24 (36 ref.)

The relationship between neuropsychological function and brain damage detected by neuroimaging after closed head injury. Wilson JT. **Brain Inj** 1990 Oct–Dec;4(4):349–63 (66 ref.)

Diagnostic imaging in the diagnosis of malignant invasion of the carotid artery: ultrasound, computed tomography, magnetic resonance imaging. Gooding GA. **Cancer Treat Res** 1990;52:31–46 (28 ref.)

Imaging techniques in the evaluation of tracheobronchial neoplasms. Aberle DR, et al. **Chest** 1991 Jan;99(1):211–5 (30 ref.)

Computer applications in diagnostic imaging. Horii SC. **Clin Chest Med** 1991 Mar;12(1):1–17 (24 ref.)

Imaging strategies in the staging of lung cancer. Webb WR, et al. **Clin Chest Med** 1991 Mar;12(1):133–50 (62 ref.)

An overview of noninvasive methods of deep vein thrombosis detection. Hayt DB, et al. **Clin Imaging** 1990 Aug; 14(3):179–97 (65 ref.)

Metastatic calcification in a patient with malignant parathyroid carcinoma. Correlation of clinical, surgical, radiographic, and scintigraphic findings. Davidson RM, et al. **Clin Nucl Med** 1990 Oct;15(10):692–6 (22 ref.)

Medical imaging in acute abdominal pain. Sturman MF. **Compr Ther** 1991 Apr;17(4):15–21 (15 ref.)

Computer systems for three-dimensional diagnostic imaging: an examination of the state of the art. Stytz MR, et al. **Crit Rev Biomed Eng** 1991;19(1):1–45 (179 ref.)

Imaging of the neck. Barakos JA, et al. **Curr Opin Radiol** 1991 Feb;3(1):93–100 (23 ref.)

Imaging of the stomach and duodenum. Bartram CI. **Curr Opin Radiol** 1991 Jun;3(3):407–13 (24 ref.)

Imaging of pulmonary embolisms. Galvin JR. **Curr Opin Radiol** 1991 Jun;3(3):380–6 (22 ref.)

Diagnostic and interventional procedures for the biliary tract. Goldberg HI, et al. **Curr Opin Radiol** 1991 Jun;3(3):453–62 (37 ref.)

Imaging of the pharynx and the esophagus. Halvorsen RA Jr. **Curr Opin Radiol** 1991 Jun;3(3):397–406 (30 ref.)

Imaging of the pleura. Im JG. **Curr Opin Radiol** 1991 Jun; 3(3):387–93 (43 ref.)

Evaluation of congenital diseases of the heart. Imhof H, et al. **Curr Opin Radiol** 1991 Aug;3(4):546–9 (15 ref.)

Imaging of the peritoneal cavity. Jeffrey RB Jr. **Curr Opin Radiol** 1991 Jun;3(3):471–3 (9 ref.)

Evaluation of systolic and diastolic heart function. Kovach JA, et al. **Curr Opin Radiol** 1991 Aug;3(4):539–45 (25 ref.)

Comparison of methods of imaging the salivary glands. Larsson SG. **Curr Opin Radiol** 1991 Feb;3(1):76–83 (12 ref.)

Imaging of the oropharynx and oral cavity. Lenz M, et al. **Curr Opin Radiol** 1991 Feb;3(1):67–75 (11 ref.)

Surgery in the musculoskeletal system, including endoprosthesis and internal fixation. Pavlov H. **Curr Opin Radiol** 1990 Oct;2(5):703–10 (28 ref.)

Evaluation of great heart vessels and pulmonary vasculature. Stanford W, et al. **Curr Opin Radiol** 1991 Aug;3(4):533–8 (19 ref.)

Imaging of the liver. Thoeni RF. **Curr Opin Radiol** 1991 Jun;3(3):427–39 (46 ref.)

Gallbladder imaging. The state of the art. Zeman RK, et al. **Gastroenterol Clin North Am** 1991 Mar;20(1):127–56 (49 ref.)

Noninvasive diagnostic imaging in hemoglobinopathies. Rao VM, et al. **Hematol Oncol Clin North Am** 1991 Jun; 5(3):517–33 (73 ref.)

Fractals. Physiologic complexity, scaling, and opportunities for imaging. Nelson TR. **Invest Radiol** 1990 Oct; 25(10):1140–8 (44 ref.)

What dermatologists should know about digital imaging. Perednia DA. **J Am Acad Dermatol** 1991 Jul;25(1 Pt 1):89–108 (160 ref.)

Physics and statistics of medical imaging. Brown DG, et al. **J Digit Imaging** 1989 Nov;2(4):194–211 (55 ref.)

Endocrine imaging: parathyroid, adrenal cortex and medulla, and other endocrine tumors. Part II. Beierwaltes WH. **J Nucl Med** 1991 Aug;32(8):1627–39 (80 ref.)

Nuclear and alternative imaging in liver tumor investigation. Galli G, et al. **J Nucl Med Allied Sci** 1990 Oct–Dec; 34(4):265–78 (61 ref.)

Imaging-guided percutaneous abdominal biopsy. Gazelle GS, et al. **Oncology (Williston Park)** 1991 Jun;5(6):27–38; discussion 38, 43, 46 (95 ref.)

Wilms' and associated renal tumors of childhood. White KS, et al. **Pediatr Radiol** 1991;21(2):81–8 (55 ref.)

Neuroanatomic imaging in autism. Courchesne E. **Pediatrics** 1991 May;87(5 Pt 2):781–90 (78 ref.)

Monte Carlo techniques in medical radiation physics. Andreo P. **Phys Med Biol** 1991 Jul;36(7):861–920 (300 ref.)

Null functions and eigenfunctions: tools for the analysis of imaging systems. Barrett HH, et al. **Prog Clin Biol Res** 1991;363:211–26 (4 ref.)

Internal mammary lymphadenopathy: imaging of a vital lymphatic pathway in breast cancer. Scatarige JC, et al. **Radiographics** 1990 Sep;10(5):857–70 (14 ref.)

Imaging modalities for evaluation of the spine. Bates D, et al. **Radiol Clin North Am** 1991 Jul;29(4):675–90 (150 ref.)

Arthritis: roles of radiography and other imaging techniques in evaluation. Kaye JJ. **Radiology** 1990 Dec;177(3):601–8 (75 ref.)

Radiologic evaluation of aortic dissection. Petasnick JP. **Radiology** 1991 Aug;180(2):297–305 (110 ref.)

Neuroimaging studies of schizophrenia. Pfefferbaum A, et al. **Schizophr Res** 1991 Mar–Apr;4(2):193–208 (80 ref.)

Modern methodologies of differentiating thyroid masses. Mafee MF, et al. **Semin Surg Oncol** 1991 Mar–Apr; 7(2):67–75 (20 ref.)

Evaluation of impotence. Benson CB, et al. **Semin Ultrasound CT MR** 1991 Apr;12(2):176–90 (48 ref.)

The penis. Doubilet PM, et al. **Semin Ultrasound CT MR** 1991 Apr;12(2):157–75 (19 ref.)

Acute diseases of the scrotum. Tumeh SS, et al. **Semin Ultrasound CT MR** 1991 Apr;12(2):115–30 (27 ref.)

Identification and localisation of resectable tumours in the liver. Okuda K. **Trop Gastroenterol** 1990 Jul–Sep; 11(3):119–29 (32 ref.)

Diagnostic imaging of gynecological diseases: the clinician's view. Camilien LD, et al. **Urol Radiol** 1991;13(1):3–8 (54 ref.)

Imaging of neonatal renal masses. Fernbach SK. **Urol Radiol** 1991;12(4):214–9 (12 ref.)

Imaging of uterovaginal anomalies in the pediatric patient. Shatzkes DR, et al. **Urol Radiol** 1991;13(1):58–66 (18 ref.)

Acute renal infections. Thornbury JR. **Urol Radiol** 1991; 12(4):209–13 (7 ref.)

Effective choices for diagnostic imaging in clinical practice. Report of a WHO Scientific Group. **WHO Tech Rep Ser** 1990;795:1–131 (480 ref.)

[Current approach in the acute treatment of brain infarction] Limburg M, et al. **Ned Tijdschr Geneeskd** 1991 Aug 3; 135(31):1392–6 (59 ref.) **(Dut)**

[Role of imaging in the exploration of the adrenal glands] Cyteval C, et al. **Ann Endocrinol (Paris)** 1990; 51(3–4):161–72 (60 ref.) (Eng. Abstr.) **(Fre)**

[New techniques of thyroid medical imaging. Value and limitations in the exploration of isolated thyroid nodules] Renard E, et al. **Ann Endocrinol (Paris)** 1990;51(3–4):155–60 (31 ref.) (Eng. Abstr.) **(Fre)**

[The limits of conventional imagery in urology: the prostate and the kidney] Desgrez JP, et al. **Ann Urol (Paris)** 1990; 24(7):593–7 (6 ref.) (Eng. Abstr.) **(Fre)**

[The diagnosis of pulmonary embolism] **Rev Mal Respir** 1991; 8(3):319–23 (0 ref.) **(Fre)**

[Juxta-articular osteoid osteoma--Image morphology and diagnosis] Dietlein M, et al. **Aktuel Traumatol** 1990 Dec; 20(6):288–91 (32 ref.) (Eng. Abstr.) **(Ger)**

[Diagnostic differentiation of dementia diseases by modern imaging procedures] Lang C, et al. **Fortschr Neurol Psychiatr** 1990 Oct;58(10):380–98 (290 ref.) (Eng. Abstr.) **(Ger)**

[Liver hemangioma. I. Diagnosis, spontaneous course, complications] Riesener KP, et al. **Leber Magen Darm** 1990 Sep;20(5):218–23 (0 ref.) (Eng. Abstr.) **(Ger)**

[Diagnostic imaging of the breast--a survey] Hasert V. **Radiol Diagn (Berl)** 1990;31(5):425–32 (57 ref.) (Eng. Abstr.) **(Ger)**

[Vertebrobasilar circulatory disorders. Diagnosis--pathogenesis--therapy] Stillhard G. **Schweiz Med Wochenschr** 1990 Nov 17;120(46):1709–23 (89 ref.) (Eng. Abstr.) **(Ger)**

[Imaging techniques in the diagnosis and therapy of hip dysplasia and hip dislocation] Exner GU. **Schweiz Rundsch Med Prax** 1991 Jun 11;80(24):659–69 (27 ref.) (Eng. Abstr.) **(Ger)**

[Old and new aspects in the diagnosis of pulmonary embolism] Russi EW. **Schweiz Rundsch Med Prax** 1991 Mar 26;80(13):331–4 (9 ref.) (Eng. Abstr.) **(Ger)**

[Diagnostic standards in chronic pancreatitis--imaging procedures] Bosseckert H. **Z Gastroenterol Verh** 1991 Mar; 26:62–8 (12 ref.) **(Ger)**

[Primary sclerosing cholangitis] Lembcke B. **Z Gastroenterol Verh** 1991 Mar;26:88–92 (46 ref.) **(Ger)**

[Acute intestinal hemorrhage] Staritz M. **Z Gastroenterol Verh** 1991 Mar;26:21–5 (14 ref.) **(Ger)**

[Technological progress in visualization of functional aspects of brain] Arimizu N. **Nippon Rinsho** 1991 Jul;49(7):1457–61 (9 ref.) **(Jpn)**

[An introduction: diagnostic imaging and brain function] Inoue O, et al. **Nippon Rinsho** 1991 Jul;49(7):1462–6 (6 ref.) **(Jpn)**

[Radiologic diagnosis in 1989 (an analytic review of publications in Soviet medical journals)] Koroliuk IP. **Vestn Rentgenol Radiol** 1991 Jan–Feb;(1):61–70 (102 ref.) **(Rus)**

ECONOMICS

Diagnostic imaging in cancer care. The role of cost/benefit analysis. Evens RG. **Cancer** 1991 Feb 15;67(4 Suppl):1245–52 (54 ref.)

INSTRUMENTATION

Biomagnetic imaging. Schittenhelm R. **Digitale Bilddiagn** 1990 Sep–Dec;10(3–4):76–85 (23 ref.)

Visual cues in the interpretation of medical images. Kundel HL. **J Clin Neurophysiol** 1990 Oct;7(4):472–83 (26 ref.)

[Expanded insight by modern imaging procedures] Döhring W. **Verh Dtsch Ges Inn Med** 1990;96:195–205 (14 ref.) **(Ger)**

METHODS

The applications of imaging in lung cancer. Bragg DG. **Cancer** 1991 Feb 15;67(4 Suppl):1165–8 (18 ref.)

Retroperitoneal and pelvic lymph node imaging. Castellino RA. **Cancer** 1991 Feb 15;67(4 Suppl):1219–22 (22 ref.)

Diagnostic imaging evaluation of Hodgkin's disease and non-Hodgkin's lymphoma. Castellino RA. **Cancer** 1991 Feb 15;67(4 Suppl):1177–80 (12 ref.)
Imaging techniques in the diagnosis of carcinoma of the colon. Dodd GD. **Cancer** 1991 Feb 15;67(4 Suppl):1150–4 (32 ref.)
Liver tumor imaging. Ferrucci JT. **Cancer** 1991 Feb 15;67(4 Suppl):1189–95 (25 ref.)
Primary neoplasms of the hollow organs of the gastrointestinal tract. Staging and follow-up. Halvorsen RA Jr, et al. **Cancer** 1991 Feb 15;67(4 Suppl):1181–8 (49 ref.)
Primary neoplasms of the central nervous system in children. Harwood-Nash DC. **Cancer** 1991 Feb 15;67(4 Suppl):1223–8 (38 ref.)
Oncologic imaging. Staging and follow-up of renal and adrenal carcinoma. McClennan BL. **Cancer** 1991 Feb 15; 67(4 Suppl):1199–208 (34 ref.)
Imaging bone tumors in the 1990s. Murphy WA Jr. **Cancer** 1991 Feb 15;67(4 Suppl):1169–76 (38 ref.)
Metastatic tumors of unknown origin. Steckel RJ, et al. **Cancer** 1991 Feb 15;67(4 Suppl):1242–4 (8 ref.)
Treatment of soft tissue sarcomas. Diagnostic imaging. Golding RP, et al. **Cancer Treat Res** 1989;44:23–37 (74 ref.)
Diagnostic imaging of osteosarcoma. Seeger LL, et al. **Clin Orthop** 1991 Sep;(270):254–63 (23 ref.)
Combining imaging techniques. Evans NT. **Clin Phys Physiol Meas** 1990;11 Suppl A:97–102 (4 ref.)
Potential application of new imaging modalities in the measurement of cardiac volumes and characteristics. MacIntyre WJ. **Eur Heart J** 1990 Dec;11 Suppl I:133–40 (19 ref.)
Choices in medicine: illustrations from imaging. Wells PN. **J Med Eng Technol** 1990 Nov-Dec;14(6):225–32 (19 ref.)
Three-dimensional display in nuclear medicine and radiology. Wallis JW, et al. **J Nucl Med** 1991 Mar; 32(3):534–46 (68 ref.)
The adrenal glands. DeAtkine AB, et al. **Semin Oncol** 1991 Apr;18(2):131–9 (21 ref.)
Imaging of invasive bladder cancer. Dershaw DD, et al. **Semin Oncol** 1990 Oct;17(5):544–50 (40 ref.)
[Imaging procedures in early cancer of the breast. Current status of screening and diagnosis] Kessler M, et al. **Chirurg** 1991 Feb;62(2):77–84 (16 ref.) **(Ger)**
[Modern possibilities in the assessment of renovascular stenoses] Jäger K. **Internist (Berl)** 1991 Mar;32(3):127–34 (68 ref.) **(Ger)**
[Diagnosis of deep leg vein thrombosis—can we dispense with phlebography?] Jung M. **Vasa Suppl** 1990;30:30–3 (23 ref.) **(Ger)**
[Imaging diagnosis in selected endocrinopathies] Werner B, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):105–11 (16 ref.) **(Ger)**

STANDARDS

Quantifying image quality. Sharp PF. **Clin Phys Physiol Meas** 1990;11 Suppl A:21–6 (10 ref.)
[Evaluation of diagnostic efficacy in radiology. Literature review] Ries M, et al. **J Belge Radiol** 1990 Nov;73(6):485–8 (14 ref.) (Eng. Abstr.) **(Fre)**
[Radiological diagnosis—current problems and achievements] Lindenbraten LD. **Klin Med (Mosk)** 1991 Feb;69(2):5–10 (0 ref.) **(Rus)**

STATISTICS & NUMERICAL DATA

[Diagnostic radiology—development and aspects] Gerhardt P. **Radiol Diagn (Berl)** 1990;31(4):339–50 (30 ref.) **(Ger)**

TRENDS

Advances in medical imaging for cancer diagnosis and treatment. Wagner HN Jr, et al. **Cancer** 1991 Feb 15;67(4 Suppl):1121–8 (52 ref.)
Quantitative imaging in vivo. Why? What is being done now? What are some of the problems? What may the future be? Mallard J. **Clin Phys Physiol Meas** 1990;11 Suppl A:5–20 (24 ref.)
Medical imaging. Kreel L. **Postgrad Med J** 1991 Apr; 67(786):334–46 (133 ref.)
[Advances in diagnostic imaging methods in pediatrics] García Peña P, et al. **An Esp Pediatr** 1991 Mar;34(3):185–93 (59 ref.) **(Spa)**

DIAGNOSTIC REAGENT KITS see **REAGENT KITS, DIAGNOSTIC**

DIAGNOSTIC TESTS, ROUTINE

Preoperative laboratory testing for the oral and maxillofacial surgery patient. Wagner JD, et al. **J Oral Maxillofac Surg** 1991 Feb;49(2):177–82 (72 ref.)
[Preoperative cardiovascular risk assessment] Erdmann E. **Internist (Berl)** 1991 Apr;32(4):220–5 (25 ref.) **(Ger)**
[Laboratory studies in rheumatology—essential and non-essential laboratory diagnosis] Kolarz G. **Verh Dtsch Ges Inn Med** 1990;96:326–31 (16 ref.) **(Ger)**

STANDARDS

Quality assurance of pre-operative assessment—a review of quality assurance activities related to pre-operative assessment in nine hospitals in The Netherlands. Klazinga NS, et al. **Qual Assur Health Care** 1989;1(1):45–53 (37 ref.)

DIALYSIS

Microdialysis—theory and application. Benveniste H, et al. **Prog Neurobiol** 1990;35(3):195–215 (215 ref.)
Prognosis in acute pancreatitis complicated by acute renal failure requiring dialysis. Frost L, et al. **Scand J Urol Nephrol** 1990;24(4):257–60 (18 ref.)

INSTRUMENTATION

Optimization of LC apparatus for determinations in neurochemistry with an emphasis on microdialysis samples. Kissinger PT, et al. **J Neurosci Methods** 1990 Sep; 34(1–3):3–10 (17 ref.)

METHODS

[Methodological considerations in microdialysis] Nakahara D, et al. **Yakubutsu Seishin Kodo** 1991 Feb;11(1):1–16 (66 ref.) (Eng. Abstr.) **(Jpn)**

DIALYSIS, EXTRACORPOREAL see **HEMODIALYSIS**

DIALYSIS SOLUTIONS

Osmotic agents in peritoneal dialysis. Gokal R. **Contrib Nephrol** 1990;85:126–33 (33 ref.)
Amino acid dialysate. Goodship TH, et al. **Contrib Nephrol** 1990;85:84–91 (21 ref.)
Calcium carbonate as a phosphate binder: is there a need to adjust peritoneal dialysate calcium concentrations for patients using CaCO3? Martis L, et al. **Perit Dial Int** 1989; 9(4):325–8 (28 ref.)

ANALYSIS

Proteoglycans of CAPD-dialysate fluid and mesothelium. Davies M, et al. **Contrib Nephrol** 1990;85:134–41 (26 ref.)

PHARMACOKINETICS

Osmotic agents in the peritoneal fluid. Veys N, et al. **Contrib Nephrol** 1990;84:27–35 (34 ref.)

PHARMACOLOGY

Host defence in CAPD treatment: the effect of the dialysate on cell function. van Bronswijk H, et al. **Contrib Nephrol** 1990;85:67–72 (19 ref.)

DIAMINE OXIDASE see **HISTAMINASE**

DIAMINODIPHENYLSULFONE see **DAPSONE**

CIS-DIAMMINE (CYCLOBUTANEDICARBOXYLATO)PLATINUM II see **CARBOPLATIN**

DIAMORPHINE see **DIACETYLMORPHINE**

DIAPER PINS see **INFANT CARE**

DIAPER RASH

ETIOLOGY

Etiology and pathophysiology of diaper dermatitis. Berg RW. **Adv Dermatol** 1988;3:75–98 (110 ref.)

DIAPERS see **INFANT CARE**

DIAPHANOGRAPHY see **TRANSILLUMINATION**

DIAPHANOSCOPY see **TRANSILLUMINATION**

DT-DIAPHORASES see **QUINONE REDUCTASES**

DIAPHRAGM

[Surgical removal of diaphragmatic metastasis of advanced ovarian cancer. Review of the literature] Rodier JF, et al. **Rev Fr Gynecol Obstet** 1991 Jan;86(1):39–42 (15 ref.) (Eng. Abstr.) **(Fre)**
[Electric stimulation of respiration in chronic nonspecific lung diseases in surgical practice] Vasil'ev VN, et al. **Vestn Khir** 1990 Apr;144(4):148–50 (21 ref.) **(Rus)**

INJURIES

Massive bilateral diaphragmatic rupture after an apparently minor automobile accident. Humphreys TR, et al. **Am J Emerg Med** 1991 May;9(3):246–9 (29 ref.)

PHYSIOLOGY

Current concepts of the antireflux barrier. Mittal RK. **Gastroenterol Clin North Am** 1990 Sep;19(3):501–16 (53 ref.)

PHYSIOPATHOLOGY

[Diaphragmatic fatigue and respiratory failure in patients with chronic obstructive pulmonary diseases] Chen RC, et al. **Chung Hua Chieh Ho Ko Hu Hsi Tsa Chih** 1991 Apr;14(2):111–3 (20 ref.) **(Chi)**

DIAPHRAGMATIC EVENTRATION

COMPLICATIONS

Surgical correction of hydrothorax from diaphragmatic eventration in children on peritoneal dialysis. Bjerke HS, et al. **Surgery** 1991 Apr;109(4):550–4 (18 ref.)

SURGERY

[Surgical therapy of diaphragmatic eventration in adults: indications, technique and choice of approach] Bonavina L, et al. **G Chir** 1989 Jan-Feb;10(1–2):29–34 (18 ref.) (Eng. Abstr.) **(Ita)**

DIAPHRAGMATIC HERNIA see **HERNIA, DIAPHRAGMATIC**

DIAPHRAGMATIC HERNIA, TRAUMATIC see **HERNIA, DIAPHRAGMATIC, TRAUMATIC**

DIAPHRAGMATIC PARALYSIS see **RESPIRATORY PARALYSIS**

DIAPHYSEAL DYSPLASIA, PROGRESSIVE

DIAGNOSIS

[Bilateral diaphyseal hyperostosis of the leg bones in adults. Apropos of a case] Nizard RS, et al. **Rev Chir Orthop** 1990; 76(8):587–90 (9 ref.) (Eng. Abstr.) **(Fre)**

DIARRHEA

Infectious diarrhea. Rubinoff MJ, et al. **Annu Rev Med** 1991; 42:403–10 (49 ref.)
Management of travellers' diarrhoea. Pithie A. **Practitioner** 1990 Sep;234(1494):833–8 (6 ref.)

CHEMICALLY INDUCED

[Gastroenterological aspects of long-term treatment with octreotide] Koop H. **Z Gastroenterol** 1990 Sep;28 Suppl 2:52–4 (14 ref.) **(Ger)**

COMPLICATIONS

Dehydration syndromes. Oral rehydration and fluid replacement. Grisanti KA, et al. **Emerg Med Clin North Am** 1991 Aug;9(3):565–88 (79 ref.)
Is diarrhoea a major cause of malnutrition among the under-fives in developing countries? A review of available evidence. Briend A. **Eur J Clin Nutr** 1990 Sep;44(9):611–28 (90 ref.)
[Acrodermatitis enteropathica; a literature review] van Wouwe JP, et al. **Ned Tijdschr Geneeskd** 1991 Jan 5; 135(1):21–3 (20 ref.) (Eng. Abstr.) **(Dut)**
[Colitis-watery diarrhea syndrome: microscopic and collagenous colitis] Rampal P. **Rev Med Suisse Romande** 1991 Jun;111(6):531–7 (49 ref.) **(Fre)**

DIAGNOSIS

Diarrhoea—differential diagnosis [see comments] Selby W. **Aust Fam Physician** 1990 Nov;19(11):1683–6, 1688–9 (4 ref.) Comment in: Aust Fam Physician 1991 Feb;20(2):221.
Chronic diarrhea. A practical approach for the pediatrician. Baldassano RN, et al. **Pediatr Clin North Am** 1991 Jun; 38(3):667–86 (23 ref.)
Intestinal manifestations of invasive diarrheas and their diagnosis. Mathan VI, et al. **Rev Infect Dis** 1991 Mar-Apr; 13 Suppl 4:S311–3 (9 ref.)

DIET THERAPY

Dietary fiber and bowel function in tube-fed patients. Frankenfield DC, et al. **J Am Diet Assoc** 1991 May; 91(5):590–6, 599 (86 ref.)
Dietary management of acute childhood diarrhea: optimal timing of feeding and appropriate use of milks and mixed diets. Brown KH. **J Pediatr** 1991 Apr;118(4 (Pt 2)):S92–8 (49 ref.)

DRUG THERAPY

Loperamide hydrochloride. Daugherty LM. **Am Pharm** 1990 Dec;NS30(12):45–8 (14 ref.)
Use of quinolones in the treatment of gastrointestinal infections. DuPont HL. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):325–9 (46 ref.)
Treatment of typhoid fever and infectious diarrhoea with ciprofloxacin. Pithie AD, et al. **J Antimicrob Chemother** 1990 Dec;26 Suppl F:47–53 (48 ref.)
Antibiotic treatment of bacterial gastroenteritis. Ashkenazi S, et al. **Pediatr Infect Dis J** 1991 Feb;10(2):140–8 (107 ref.)
[The therapy of chologenic diarrhea] Walker S. **Dtsch Med Wochenschr** 1991 Mar 8;116(10):381–3 (15 ref.) **(Ger)**

EPIDEMIOLOGY

Diarrhea: a neglected nosocomial hazard? [editorial] Farr B. **Infect Control Hosp Epidemiol** 1991 Jun;12(6):343–4 (16

ref.)
The epidemiologic importance of dysentery in communities. Henry FJ. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S238–44 (24 ref.)
Epidemiologic aspects of shigellosis and other causes of dysentery in Thailand. Taylor DN, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S226–30 (28 ref.)
[Advantages of rooming-in care of mother and child in the control of enteric epidemics in neonatal departments] Adám B, et al. **Orv Hetil** 1991 Jan 13;132(2):69–72 (21 ref.) (Eng. Abstr.) **(Hun)**
[The current problems of persistent diarrhea in children] Nicolau S, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1989 Oct–Dec;38(4):345–60 (10 ref.) (Eng. Abstr.) **(Rum)**

ETHNOLOGY

Use of social science research to improve epidemiologic studies of and interventions for diarrhea and dysentery. Nichter M. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S265–71 (33 ref.)

ETIOLOGY

Non-opportunistic causes of diarrhoea in HIV infection. Riecken EO, et al. **Baillieres Clin Gastroenterol** 1990 Jun; 4(2):385–403 (96 ref.)
Blastocystis hominis: an unusual cause of diarrhoea. Dawes RF, et al. **Br J Clin Pract** 1990 Dec;44(12):714–6 (5 ref.)
Plesiomonas shigelloides—associated diarrhea. Yeh TJ, et al. **Chung Hua I Hsueh Tsa Chih** 1991 May;47(5):362–8 (35 ref.)
Enteral alimentation: administration and complications. Benya R, et al. **J Am Coll Nutr** 1991 Jun;10(3):209–19 (92 ref.)
Cholera and cholera-like diarrhoeal diseases: why the differences in severity? Abdulkadir SA. **Med Hypotheses** 1991 Mar;34(3):278–81 (38 ref.)
The office evaluation of infectious diarrhea. Bergquist EJ. **Prim Care** 1990 Dec;17(4):853–66 (27 ref.)
Endocrine diarrhoeas: current concepts. Misra SC. **Trop Gastroenterol** 1990 Apr–Jun;11(2):87–98 (50 ref.)
[Bacterial enterotoxins: structure, mode of action] Lucas F, et al. **Ann Rech Vet** 1991;22(2):147–62 (64 ref.) (Eng. Abstr.) **(Fre)**
[Chologenic diarrhea. Its etiology, symptoms and diagnosis] Walker S. **Dtsch Med Wochenschr** 1991 Mar 1;116(9):341–5 (30 ref.) **(Ger)**
[Diarrhea in returning travellers (etiology, diagnosis and therapy)] Meier R, et al. **Ther Umsch** 1990 Oct; 47(10):809–18 (47 ref.) (Eng. Abstr.) **(Ger)**
[Progress in the diagnosis of chronic diarrhea] Polanco Allue I. **An Esp Pediatr** 1990 Nov;33 Suppl 43:178–81 (12 ref.) **(Spa)**
[Diarrhea after gastric surgery] Hurtado Andrade H. **Rev Gastroenterol Mex** 1990 Apr–Jun;55(2):101–4 (25 ref.) **(Spa)**

METABOLISM

Human intestinal cell lines as in vitro tools for electrolyte transport studies with relevance to secretory diarrhoea. Nath SK, et al. **J Diarrhoeal Dis Res** 1990 Dec;8(4):133–42 (53 ref.)

MICROBIOLOGY

Waterborne transmission and the evolution of virulence among gastrointestinal bacteria. Ewald PW. **Epidemiol Infect** 1991 Feb;106(1):83–119 (320 ref.)
Bacteriological and clinical aspects of Aeromonas-associated diarrhea in The Netherlands. Kuijper EJ, et al. **Experientia** 1991 May 15;47(5):432–4 (6 ref.)
Aeromonas caviae: ecologic adaptation in the intestinal tract of infants coupled to adherence and enterotoxin production as factors in enteropathogenicity. Namdari H, et al. **Experientia** 1991 May 15;47(5):434–6 (22 ref.)
Infectious diarrhoea. Conlon CP, et al. **Int J Colorectal Dis** 1990 Dec;5(4):236–40 (47 ref.)
Campylobacters associated with human diarrhoeal disease. Griffiths PL, et al. **J Appl Bacteriol** 1990 Sep;69(3):281–301 (248 ref.)
Yersinia enterocolitica: mechanisms of microbial pathogenesis and pathophysiology of diarrhoea. O'Loughlin EV, et al. **J Gastroenterol Hepatol** 1990 Mar–Apr;5(2):173–9 (66 ref.)
The pathophysiology, clinical features and management of rotavirus diarrhoea. Haffejee IE. **Q J Med** 1991 Apr; 79(288):289–99 (139 ref.)
[The receptors for bacterial enterotoxins] Lucas F, et al. **Ann Rech Vet** 1991;22(2):127–45 (50 ref.) (Eng. Abstr.) **(Fre)**
[Regulation of the intestinal flora by food] Gedek BR. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):277–301 (72 ref.) (Eng. Abstr.) **(Ger)**
[Acute diarrhea] Guerrero Vázquez J. **An Esp Pediatr** 1990 Nov;33 Suppl 43:171–6 (37 ref.) **(Spa)**

MORTALITY

Mortality due to shigellosis: community and hospital data. Bennish ML, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S245–51 (46 ref.)

NURSING

Diarrhea. Wadle KR. **Nurs Clin North Am** 1990 Dec; 25(4):901–8 (36 ref.)

PARASITOLOGY

[Acute diarrhea] Guerrero Vázquez J. **An Esp Pediatr** 1990 Nov;33 Suppl 43:171–6 (37 ref.) **(Spa)**

PATHOLOGY

From HeLa cell division to infectious diarrhoea. Stephen J, et al. **Scanning Microsc** 1990 Sep;4(3):781–6 (27 ref.)

PHYSIOPATHOLOGY

Pathophysiology of infectious diarrhea: changes in intestinal structure and function. O'Loughlin EV, et al. **J Pediatr Gastroenterol Nutr** 1991 Jan;12(1):5–20 (174 ref.)
[Pathophysiologic aspects of diarrhea] Bosseckert H. **Gastroenterol J** 1990;50(3):113–6 (7 ref.) (Eng. Abstr.) **(Ger)**
[Diarrhea after gastric surgery] Hurtado Andrade H. **Rev Gastroenterol Mex** 1990 Apr–Jun;55(2):101–4 (25 ref.) **(Spa)**

PREVENTION & CONTROL

Vaccines against viral diarrhoea. Flores J, et al. **Baillieres Clin Gastroenterol** 1990 Sep;4(3):675–93 (77 ref.)
The current status of diarrhoea related vaccines. Sarkar SK, et al. **Indian J Public Health** 1990 Jan–Mar;34(1):20–34 (77 ref.)
Vaccines and milk immunoglobulin concentrates for prevention of infectious diarrhea. Levine MM. **J Pediatr** 1991 Apr;118(4 (Pt 2)):S129–36 (70 ref.)
The role of behavioral research in the prevention and management of invasive diarrheas. Pelto GH. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S255–8 (28 ref.)
New vaccines against bacterial enteric infections. Holmgren J, et al. **Scand J Infect Dis Suppl** 1990;70:149–56 (23 ref.)
Antibiotic prophylaxis of travellers' diarrhoea. Wiström J, et al. **Scand J Infect Dis Suppl** 1990;70:111–29 (131 ref.)

THERAPY

Use of oral rehydration therapy in acute watery diarrhoea. A practical guide. Sack DA. **Drugs** 1991 Apr;41(4):566–73 (45 ref.)
Super ORS. Bhattacharya SK, et al. **Indian J Public Health** 1990 Jan–Mar;34(1):35–7 (18 ref.)
Solutions to diarrhea. Bracciale D. **J Burn Care Rehabil** 1991 May–Jun;12(3):278–81 (16 ref.)
Cereal-based oral rehydration therapy. I. Clinical studies. Khin-Maung-U, et al. **J Pediatr** 1991 Apr;118(4 (Pt 2)):S72–9 (37 ref.)
Glucose polymers as an alternative to glucose in oral rehydration solutions. Lebenthal E, et al. **J Pediatr** 1991 Apr;118(4 (Pt 2)):S62–9 (51 ref.)
Therapy for acute infectious diarrhea in children. Pickering LK. **J Pediatr** 1991 Apr;118(4 (Pt 2)):S118–28 (101 ref.)
Home-based therapy for diarrhea. Snyder JD, et al. **J Pediatr Gastroenterol Nutr** 1990 Nov;11(4):438–47 (96 ref.)
Infectious diarrhea. Managing a misery that is still worldwide. Qadri SM. **Postgrad Med** 1990 Oct; 88(5):169–75, 178–84 (29 ref.)
Oral rehydration therapy for invasive diarrhea. Varavithya W, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S325–31 (53 ref.)
The small intestine: prospects for therapeutic approaches in secretory diarrhoeal diseases. Turnberg LA. **Scand J Gastroenterol Suppl** 1990;175:85–92 (31 ref.)

VETERINARY

Some infectious causes of diarrhea in young farm animals. Holland RE. **Clin Microbiol Rev** 1990 Oct;3(4):345–75 (413 ref.)
Diagnostic procedures for isolation and characterization of Clostridium difficile associated with enterocolitis in foals. Jones RL. **J Vet Diagn Invest** 1989 Jan;1(1):84–6 (26 ref.)

DIARRHEA, INFANTILE

DIAGNOSIS

Intestinal manifestations of invasive diarrheas and their diagnosis. Mathan VI, et al. **Rev Infect Dis** 1991 Mar–Apr; 13 Suppl 4:S311–3 (9 ref.)

DIET THERAPY

Nutritional therapy for infants with diarrhea. Lifschitz CH, et al. **Nutr Rev** 1990 Sep;48(9):329–38 (67 ref.)

EPIDEMIOLOGY

The epidemiologic importance of dysentery in communities. Henry FJ. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S238–44 (24 ref.)
[Advantages of rooming-in care of mother and child in the control of enteric epidemics in neonatal departments] Adám B, et al. **Orv Hetil** 1991 Jan 13;132(2):69–72 (21 ref.) (Eng. Abstr.) **(Hun)**
[The current problems of persistent diarrhea in children] Nicolau S, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1989 Oct–Dec;38(4):345–60 (10 ref.) (Eng. Abstr.) **(Rum)**
[Bacterial diarrhea in infancy: epidemiologic study of 256 cases] Baselga Asensio C, et al. **An Esp Pediatr** 1991 Mar; 34(3):203–6 (23 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Etiology and mechanisms of acute infectious diarrhea in infants in the United States. Cohen MB. **J Pediatr** 1991 Apr;118(4 (Pt 2)):S34–9 (43 ref.)

PREVENTION & CONTROL

Applications and transfer of technology to the nations of the South. Biotechnology and the control of childhood enteric infections. Schoolnik GK. **Infect Dis Clin North Am** 1991 Jun;5(2):265–75 (11 ref.)
Role of breast-feeding in the prevention and treatment of diarrhoea. Huffman SL, et al. **J Diarrhoeal Dis Res** 1990 Sep;8(3):68–81 (57 ref.)
Recent developments in the nutritional management of diarrhoea. 1. Nutritional strategies to prevent diarrhoea among children in developing countries. Tomkins A. **Trans R Soc Trop Med Hyg** 1991 Jan–Feb;85(1):4–7 (24 ref.)

DIARRHEOGENIC TUMOR

COMPLICATIONS

[Hypokalemic paralysis disclosing vipoma (letter)] Drouet A, et al. **Ann Med Interne (Paris)** 1991;142(2):146–7 (13 ref.) **(Fre)**

DIAGNOSIS

VIP secreting tumours in infancy. A review of radiological appearances. Davies RP, et al. **Pediatr Radiol** 1990; 20(7):504–8 (21 ref.)
[Paralytic ileus as an initial manifestation of malignant VIPoma of the pancreas—case report with review of the literature] Koberstein B, et al. **Z Gastroenterol** 1990 Jun; 28(6):295–301 (46 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

[The somatostatin analog SMS 201-995 in long-term treatment of vipoma] Christensen C. **Ugeskr Laeger** 1990 Dec 17;152(51):3851–3 (30 ref.) (Eng. Abstr.) **(Dan)**

DIASTASE see **AMYLASES**

DIASTEMA

THERAPY

[The orthodontic treatment of patients related to enlarged interalveolar spaces] Oskol'skiĭ GI. **Stomatologiia (Mosk)** 1990 Nov–Dec;69(6):86–9 (118 ref.) **(Rus)**

DIASTEMATOMYELIA see **SPINA BIFIDA OCCULTA**

DIASTOLE

Doppler echocardiographic evaluation of diastolic dysfunction. DeMaria AN, et al. **Circulation** 1991 Sep;84(3 Suppl):I288–95 (46 ref.)

DRUG EFFECTS

Does intravenous milrinone have a direct effect on diastolic function? Krams R, et al. **Am Heart J** 1991 Jun;121(6 (Pt 2)):1951–5 (10 ref.)
Therapeutic approaches affecting diastolic ventricular function. Warren SE, et al. **Herz** 1991 Feb;16(1):33–45 (93 ref.)
[The left ventricular diastolic function in patients with hypertension and calcium inhibitors] Abassade P, et al. **Ann Cardiol Angeiol (Paris)** 1991 Feb;40(2):89–96 (46 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Diastolic time: the forgotten dynamic factor. Implications for myocardial perfusion. Boudoulas H. **Acta Cardiol** 1991; 46(1):61–71 (38 ref.)
Significance of diastolic dysfunction of the heart. Lorell BH. **Annu Rev Med** 1991;42:411–36 (90 ref.)
Left ventricular diastolic function in hypertrophic cardiomyopathy. Bonow RO. **Herz** 1991 Feb;16(1):13–21 (57 ref.)
Diastolic function in coronary artery disease. Carroll JD, et al. **Herz** 1991 Feb;16(1):1–12 (67 ref.)
Congestive heart failure in patients with normal left ventricular systolic function: a manifestation of diastolic dysfunction. Gaasch WH. **Herz** 1991 Feb;16(1):22–32 (91 ref.)
Diastolic function in valvular heart disease. Hess OM, et al. **Herz** 1991 Apr;16(2):124–9 (22 ref.) **(Eng, Ger)**
Invasive evaluation of left ventricular diastolic performance. Little WC, et al. **Herz** 1990 Dec;15(6):362–76 (83 ref.)
Ventricular diastole and the role of the pericardium. Tyberg JV, et al. **Herz** 1990 Dec;15(6):354–61 (49 ref.)
The evaluation of diastolic function in arterial hypertension: how and why? Marabotti C, et al. **J Nucl Med Allied Sci** 1990 Apr–Jun;34(2):103–10 (59 ref.)
Therapeutic implications of diastolic dysfunction in heart failure. Dean JW, et al. **Postgrad Med J** 1990 Nov;

66(781):932–7 (32 ref.)
[Relaxation and diastolic filling of the left ventricle] Herpin D, et al. **Ann Cardiol Angeiol (Paris)** 1991 Mar;40(3):153–61 (50 ref.) (Eng. Abstr.) **(Fre)**
[Echocardiographic and Doppler echocardiographic characterization of left ventricular diastolic function] Muscholl M, et al. **Herz** 1990 Dec;15(6):377–92 (91 ref.) (Eng. Abstr.) **(Ger)**
[Diastolic dysfunction in heart failure and its therapeutic implications] Schlesinger Z. **Harefuah** 1991 Jan 15; 120(2):92–4 (13 ref.) **(Heb)**

DIASTOLIC COUNTERPULSATION see **COUNTERPULSATION**

DIATHERMY

Microwave diathermy. Goats GC. **Br J Sports Med** 1990 Dec;24(4):212–8 (70 ref.)

DIATHERMY, SURGICAL see **ELECTROCOAGULATION**

DIATHESIS see **DISEASE SUSCEPTIBILITY**

DIATOMACEOUS EARTH see **KIESELGUHR**

DIAZEPAM

Diazepam (Valium): its dependency liability. Murray JB. **J Psychol** 1990 Nov;124(6):655–74 (120 ref.)
Alprazolam and diazepam: addiction potential. Juergens S. **J Subst Abuse Treat** 1991;8(1–2):43–51 (90 ref.)

PHARMACOLOGY

Behavioral and neurochemical studies in diazepam–sensitive and –resistant mice. Gallaher EJ, et al. **J Addict Dis** 1991; 10(1–2):45–60 (29 ref.)

DIBEKACIN

ANALOGS & DERIVATIVES

[New antimicrobial agent series XL: arbekacin] Niijima T. **Jpn J Antibiot** 1991 Jul;44(7):705–17 (34 ref.) **(Jpn)**

1,2–DIBROMOETHANE see **ETHYLENE DIBROMIDE**

DIBUTYL PHTHALATE

METABOLISM

Microbial degradation of phthalate esters. Kurane R. **Microbiol Sci** 1986 Mar;3(3):92–5 (15 ref.)

DICARBOXYLIC ACIDS

PHARMACOLOGY

Azelaic acid. A review of its pharmacological properties and therapeutic efficacy in acne and hyperpigmentary skin disorders. Fitton A, et al. **Drugs** 1991 May;41(5):780–98 (100 ref.)
Dicarboxylic acid anhydrides as dissociating agents of protein–containing structures. Palacián E, et al. **Mol Cell Biochem** 1990 Sep 21;97(2):101–11 (71 ref.)

DICHLORODIETHYL SULFIDE see **MUSTARD GAS**

DICHLOROMETHANE see **METHYLENE CHLORIDE**

DICHLOROMETHYLENE DIPHOSPHONATE

THERAPEUTIC USE

Tolerability and safety of clodronate therapy in bone diseases. Mian M, et al. **Int J Clin Pharmacol Res** 1991;11(2):107–14 (126 ref.)

DICHOTIC LISTENING TESTS

Dichotic listening: new developments and applications in clinical research. Bruder GE. **Ann N Y Acad Sci** 1991; 620:217–32 (70 ref.)

DICLOFENAC

ADVERSE EFFECTS

Diclofenac hepatitis. Sallie RW, et al. **Aust N Z J Med** 1991 Apr;21(2):251–5 (19 ref.)
[Extramembranous glomerulitis and acute interstitial nephritis after ingestion of diclofenac (letter)] Garrouste O, et al. **Ann Med Interne (Paris)** 1990;141(7):627–8 (15 ref.) **(Fre)**

THERAPEUTIC USE

[Diclofenac sodium therapy in irritating micturition syndrome following TUR for benign prostatic hyperplasia] Soler Roselló A, et al. **Arch Esp Urol** 1990 Oct;43(8):831–5 (22 ref.) (Eng. Abstr.) **(Spa)**

DICLOPHENAC see **DICLOFENAC**

DICTYOSTELIUM

CYTOLOGY

Cell–cell adhesion molecules in Dictyostelium. Siu CH. **Bioessays** 1990 Aug;12(8):357–62 (58 ref.)

ENZYMOLOGY

Regulation of cysteine proteinases during different pathways of differentiation in cellular slime molds. North MJ, et al. **Dev Genet** 1991;12(1–2):154–62 (29 ref.)

GENETICS

Dictyostelium discoideum: a simple eukaryotic microorganism with a complex network of regulation. Blumberg DD. **Dev Genet** 1991;12(1–2):63–4 (16 ref.)
Signal transduction and gene expression in Dictyostelium discoideum. Dottin RP, et al. **Dev Genet** 1991;12(1–2):2–5 (33 ref.)
Control of cAMP–induced gene expression by divergent signal transduction pathways. Peters DJ, et al. **Dev Genet** 1991;12(1–2):25–34 (86 ref.)
Ras–related genes in Dictyostelium discoideum. Robbins SM, et al. **Dev Genet** 1991;12(1–2):147–53 (40 ref.)
Molecular genetics of cell migration: Dictyostelium as a model system. Egelhoff TT, et al. **Trends Genet** 1991 May; 7(5):161–6 (49 ref.)

METABOLISM

Dynamics and function of the inositolcycle in Dictyostelium discoideum. Bominaar AA, et al. **Dev Genet** 1991; 12(1–2):19–24 (14 ref.)
Actin–associated proteins in Dictyostelium discoideum. Luna EJ, et al. **Dev Genet** 1990;11(5–6):328–32 (73 ref.)
Manipulation and expression of molecular motors in Dictyostelium discoideum. Manstein DJ, et al. **J Cell Sci Suppl** 1991;14:63–5 (17 ref.)

PHYSIOLOGY

Signaling mechanisms in microorganisms: common themes in the evolution of signal transduction pathways. Kincaid RL. **Adv Second Messenger Phosphoprotein Res** 1991; 23:165–84 (77 ref.)
Transmembrane signal transduction pathways in Dictyostelium. Van Haastert PJ. **Adv Second Messenger Phosphoprotein Res** 1991;23:185–226 (185 ref.)
Oscillatory dynamics in intercellular communication. Goldbeter A, et al. **Biomed Biochim Acta** 1990; 49(8–9):935–40 (41 ref.)
Sensory transduction in eukaryotes. A comparison between Dictyostelium and vertebrate cells. Van Haastert PJ, et al. **Eur J Biochem** 1991 Jan 30;195(2):289–303 (334 ref.)
Signal transduction during amoebal chemotaxis of Dictyostelium discoideum. Newell PC, et al. **Microbiol Sci** 1987 Jan;4(1):5–11 (36 ref.)
Pseudopodium activation and inhibition signals in chemotaxis by Dictyostelium discoideum amoebae. Fisher PR. **Semin Cell Biol** 1990 Apr;1(2):87–97 (54 ref.)
Signal transduction for chemotaxis in Dictyostelium amoebae. Newell PC, et al. **Semin Cell Biol** 1990 Apr; 1(2):105–13 (72 ref.)
Mechanisms of excitation and adaptation in Dictyostelium. Pitt GS, et al. **Semin Cell Biol** 1990 Apr;1(2):99–104 (25 ref.)

ULTRASTRUCTURE

Polarization of pseudopodial activities: cytoskeletal mechanisms. Vasiliev JM. **J Cell Sci** 1991 Jan;98 (Pt 1):1–4 (14 ref.)

DIDEOXYADENOSINE

ANALOGS & DERIVATIVES

Anabolism and mechanism of action of Ro24–5098, an isomer of 2',3'–dideoxyadenosine (ddA) with anti–HIV activity. Frank KB, et al. **Ann N Y Acad Sci** 1990;616:408–14 (15 ref.)
Towards more specific therapy for leukemia: terminal transferase as a therapeutic target. Bulger K, et al. **Leuk Res** 1991;15(5):285–8 (12 ref.)

PHARMACOLOGY

Anabolism and mechanism of action of Ro24–5098, an isomer of 2',3'–dideoxyadenosine (ddA) with anti–HIV activity. Frank KB, et al. **Ann N Y Acad Sci** 1990;616:408–14 (15 ref.)
Towards more specific therapy for leukemia: terminal transferase as a therapeutic target. Bulger K, et al. **Leuk Res** 1991;15(5):285–8 (12 ref.)

2',3'–DIDEOXYADENOSINE see **DIDEOXYADENOSINE**

DIDEOXYCYTIDINE

ADMINISTRATION & DOSAGE

Treatment of AIDS with combinations of antiretroviral agents. Merigan TC. **Am J Med** 1991 Apr 10; 90(4A):8S–17S (35 ref.)

2',3'–DIDEOXYCYTIDINE see **DIDEOXYCYTIDINE**

DIDEOXYINOSINE

ADMINISTRATION & DOSAGE

Treatment of AIDS with combinations of antiretroviral agents. Merigan TC. **Am J Med** 1991 Apr 10; 90(4A):8S–17S (35 ref.)

THERAPEUTIC USE

Status of dideoxyinosine in clinical trials. Goldspiel BR. **Am J Hosp Pharm** 1991 Jun;48(6):1298–9 (5 ref.)

2',3'–DIDEOXYINOSINE see **DIDEOXYINOSINE**

DIDEOXYKANAMYCIN B see **DIBEKACIN**

DIDEOXYNUCLEOSIDES

PHARMACOLOGY

Antiretroviral activity, biochemistry, and pharmacokinetics of 3'–azido–2',3'–dideoxy–5–methylcytidine. Schinazi RF, et al. **Ann N Y Acad Sci** 1990;616:385–97 (26 ref.)
Computer–assisted structure–activity correlations of dideoxynucleoside analogs as potential anti–HIV drugs. Nasr M, et al. **Antiviral Res** 1990 Sep;14(3):125–48 (88 ref.)

THERAPEUTIC USE

New developments in dideoxynucleoside antiretroviral therapy for HIV infection. Fischl MA. **AIDS Clin Rev** 1991;:197–214 (36 ref.)
Comparative studies of 2',3'–didehydro–2',3'–dideoxythymidine (D4T) with other pyrimidine nucleoside analogues. Martin JC, et al. **Ann N Y Acad Sci** 1990;616:22–8 (35 ref.)
Synergistic drug combinations in AIDS therapy. Dipyridamole/3'–azido–3'–deoxythymidine in particular and principles of analysis in general. Weinstein JN, et al. **Ann N Y Acad Sci** 1990;616:367–84 (68 ref.)
Initial clinical experience with dideoxynucleosides as single agents and in combination therapy. Yarchoan R, et al. **Ann N Y Acad Sci** 1990;616:328–43 (59 ref.)
Clinical applications of 3'–azido–2',3'–dideoxythymidine (AZT) and related dideoxynucleosides. Broder S. **Med Res Rev** 1990 Oct–Dec;10(4):419–39 (185 ref.)
Effect of fluorine substitution on the anti–HIV activity of dideoxynucleosides. Marquez VE. **NIDA Res Monogr** 1990; 96:61–79 (33 ref.)
Treatment considerations for children with human immunodeficiency virus infection. Pizzo PA, et al. **Pediatr Infect Dis J** 1990 Oct;9(10):690–9 (32 ref.)
[Antiviral chemotherapy for AIDS: dideoxynucleosides and clinical application] Shiraska T, et al. **Nippon Rinsho** 1990 Sep;48(9):2141–50 (25 ref.) **(Jpn)**

2',3'–DIDEOXYNUCLEOSIDES see **DIDEOXYNUCLEOSIDES**

DIDEOXYRIBONUCLEOSIDES see **DIDEOXYNUCLEOSIDES**

DIDMOAD see **WOLFRAM SYNDROME**

DIELDRIN

TOXICITY

Long–term health effects of aldrin and dieldrin. A study of exposure, health effects and mortality of workers engaged in the manufacture and formulation of the insecticides aldrin and dieldrin. de Jong G. **Toxicol Lett** 1991 Apr; Suppl:1–206 (209 ref.)

DIENCEPHALON

"Perestroika" in the basal forebrain: opening the border between neurology and psychiatry. Heimer L, et al. **Prog Brain Res** 1991;87:109–65 (404 ref.)

CYTOLOGY

The migration of luteinizing hormone–releasing hormone (LHRH) neurons from the medial olfactory placode into the medial basal forebrain. Schwanzel–Fukuda M, et al. **Experientia** 1990 Sep 15;46(9):956–62 (61 ref.)
Tracing glial cell lineages in the mammalian forebrain. Goldman JE, et al. **GLIA** 1991;4(2):149–56 (50 ref.)

METABOLISM

Trophic regulation of basal forebrain gene expression in aging and Alzheimer's disease. Higgins GA, et al. **Prog Brain Res** 1990;86:239–55 (87 ref.)

DIET

see related
COOKERY

Inhibitory effect of curcumin and some related dietary compounds on tumor promotion and arachidonic acid metabolism in mouse skin. Conney AH, et al. **Adv Enzyme Regul** 1991;31:385–96 (27 ref.)

Lipoproteins and diet in the pathogenesis of atherosclerosis. Anderson JW, et al. **Adv Exp Med Biol** 1990;273:245–58 (79 ref.)

Neuroendocrine mechanisms in the thermogenic responses to diet, infection, and trauma. Rothwell NJ. **Adv Exp Med Biol** 1990;274:371–80 (75 ref.)

Maternal weight gain, infant birth weight, and diet: causal sequences. Susser M. **Am J Clin Nutr** 1991 Jun; 53(6):1384–96 (58 ref.)

Nutritional approach to cancer prevention with emphasis on vitamins, antioxidants, and carotenoids. Weisburger JH. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):226S–237S (117 ref.)

Recent nutrition research: implications for foods of the future. Grundy SM. **Ann Med** 1991 Apr;23(2):187–93 (29 ref.)

Diet patterns and health problems: diet in southern Europe. Buzina R, et al. **Ann Nutr Metab** 1991;35 Suppl 1:32–40 (22 ref.)

Long-term prospective studies: the only solution? Kromhout D, et al. **Ann Nutr Metab** 1991;35 Suppl 1:93–7 (10 ref.)

Diet and cancer: the role of case-control studies. Trichopoulos D, et al. **Ann Nutr Metab** 1991;35 Suppl 1:89–92 (11 ref.)

Dietary regulation of cytochrome P450. Anderson KE, et al. **Annu Rev Nutr** 1991;11:141–67 (174 ref.)

Should there be intervention to alter serum lipids in children? Mauer AM. **Annu Rev Nutr** 1991;11:375–91 (96 ref.)

Effects of caloric restriction on the maintenance of genetic fidelity. Hart RW, et al. **Basic Life Sci** 1990;53:351–61 (20 ref.)

The child of today and the Mediterranean diet. Fidanza AA, et al. **Beitr Infusionther** 1991;27:152–60 (5 ref.)

Effect of fish consumption compared to intake of fish oil. Deslypere JP. **Bibl Nutr Dieta** 1990;(46):53–69 (53 ref.)

A study on diet, nutrition and disease in the People's Republic of China. Part II. Campell TC. **Bol Asoc Med P R** 1990 Jul;82(7):316–8 (6 ref.)

The role of diet in modulating brain metabolism and behavior. Greenwood C. **Bol Asoc Med P R** 1990 Jun;82(6):273–5 (13 ref.)

Is diet important in rheumatoid arthritis? Buchanan HM, et al. **Br J Rheumatol** 1991 Apr;30(2):125–34 (177 ref.)

The clinical utility of the glycemic index and its application to mixed meals. Hollenbeck CB, et al. **Can J Physiol Pharmacol** 1991 Jan;69(1):100–7 (32 ref.)

Conference summary: diet as an environmental factor in development of insulin-dependent diabetes mellitus. Scott FW, et al. **Can J Physiol Pharmacol** 1991 Mar;69(3):311–9 (21 ref.)

Starch and dietary fibre: their physiological and epidemiological interrelationships. Stephen AM. **Can J Physiol Pharmacol** 1991 Jan;69(1):116–20 (31 ref.)

Potential use of D-glucaric acid derivatives in cancer prevention. Walaszek Z. **Cancer Lett** 1990 Oct 8; 54(1–2):1–8 (49 ref.)

The role of diet and drugs in lowering serum cholesterol in the postmyocardial infarction patient. Schettler G. **Cardiovasc Drugs Ther** 1989 Jan;2(6):795–9 (21 ref.)

Diet and caries in high-risk groups in developed and developing countries. Holm AK. **Caries Res** 1990;24 Suppl 1:44–52; discussion 53–8 (73 ref.)

Changes in the prevalence of dental caries: how much can be attributed to changes in diet? Marthaler TM. **Caries Res** 1990;24 Suppl 1:3–15; discussion 16–25 (92 ref.)

Prevention of childhood allergy by dietary manipulation. Businco L, et al. **Clin Exp Allergy** 1990 Sep;20 Suppl 3:9–14 (32 ref.)

Future directions for research into dietary and other lifestyle factors in hypertension. Beilin LJ. **Clin Exp Pharmacol Physiol** 1991 Feb;18(2):71–6 (28 ref.)

Beta-carotene and cancer prevention: what is the evidence? Mayne ST. **Conn Med** 1990 Oct;54(10):547–51 (75 ref.)

Growth in uremic rats on different diets. Laouari D, et al. **Contrib Nephrol** 1990;81:142–53 (23 ref.)

Integrity of small data bases in computer analysis of dietary data. Windham CT, et al. **Crit Rev Food Sci Nutr** 1990; 29(3):149–66 (53 ref.)

Diet and exercise as regulators of lipid risk factors. Lewis B. **Drugs** 1990;40 Suppl 1:19–24; discussion 24–5 (15 ref.)

Dietary adjustments and nutritional therapy during treatment for oral-pharyngeal dysphagia. O'Gara JA. **Dysphagia** 1990;4(4):209–12 (13 ref.)

The effect of diet on tumor development in animals. Mohr U, et al. **Exp Pathol Suppl** 1989;12:1–144 (820 ref.)

Nutritional status and biological response. Friedman L. **Fed Proc** 1966 Jan–Feb;25(1):137–44 (66 ref.)

Silicon in foods and diets. Pennington JA. **Food Addit Contam** 1991 Jan–Feb;8(1):97–118 (53 ref.)

Current issues in cancer chemoprevention. Buring JE, et al. **IARC Sci Publ** 1990;(103):185–93 (28 ref.)

The association between alcohol and breast cancer risk: evidence from the combined analysis of six dietary case-control studies. Howe G, et al. **Int J Cancer** 1991 Mar 12;47(5):707–10 (19 ref.)

Dietary manipulation as a primary treatment strategy for pregnancies complicated by diabetes. Jovanovic-Peterson L, et al. **J Am Coll Nutr** 1990 Aug;9(4):320–5 (38 ref.)

Effect of diet on bone matrix constituents. Roughead ZK, et al. **J Am Coll Nutr** 1991 Jun;10(3):242–6 (49 ref.)

Diet and lifestyle in hypertension: changing perspectives. Beilin LJ. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S62–6 (51 ref.)

Education and diet in the prevention of caries in the preschool child. Holm AK. **J Dent** 1990 Dec;18(6):308–14 (11 ref.)

Should we set a place for diet in ethnopharmacology? Etkin NL, et al. **J Ethnopharmacol** 1991 Apr;32(1–3):25–36 (83 ref.)

Adipose cellularity in Gallus domesticus: investigations to control body composition in growing chickens. Cartwright AL. **J Nutr** 1991 Sep;121(9):1486–97 (101 ref.)

Vegetarianism, fish eating and jogging. Burr ML. **J R Soc Health** 1990 Aug;110(4):144–5 (15 ref.)

Strategies for cancer prevention through diet modification. Greenwald P, et al. **Med Oncol Tumor Pharmacother** 1990; 7(2–3):199–208 (60 ref.)

Dietary prevention of breast cancer. Rose DP, et al. **Med Oncol Tumor Pharmacother** 1990;7(2–3):121–30 (78 ref.)

Diet composition, energy intake, and nutritional status in relation to obesity in men and women. Miller WC. **Med Sci Sports Exerc** 1991 Mar;23(3):280–4 (25 ref.)

Processing of dietary retinoids is slowed in the elderly. **Nutr Rev** 1991 Apr;49(4):116–9 (12 ref.)

Selenium content of toenails reflects dietary intake. **Nutr Rev** 1991 Jan;49(1):28–30 (10 ref.)

Excess phosphorus impairs manganese utilization in chicks. **Nutr Rev** 1991 Apr;49(4):125–7 (7 ref.)

Influence of diet on tear function. Caffery BE. **Optom Vis Sci** 1991 Jan;68(1):58–72 (248 ref.)

Nutritional intake in adolescent athletes. Loosli AR, et al. **Pediatr Clin North Am** 1990 Oct;37(5):1143–52 (40 ref.)

Sodium and potassium intakes in Ireland. Flynn A, et al. **Proc Nutr Soc** 1990 Jul;49(2):323–32 (55 ref.)

Inhibition of carcinogenesis by minor anutrient constituents of the diet. Wattenberg LW. **Proc Nutr Soc** 1990 Jul; 49(2):173–83 (36 ref.)

Diet–disease relationships: public health perspectives. Evers S. **Prog Food Nutr Sci** 1991;15(1–2):61–83 (65 ref.)

Nutrition and health in China, 1949 to 1989. Kantha SS. **Prog Food Nutr Sci** 1990;14(2–3):93–137 (226 ref.)

Diet to prevent gastrointestinal cancer? Jungi WF. **Recent Results Cancer Res** 1991;121:286–92 (23 ref.)

Dietary antigens and immunologic disease in humans. Cunningham-Rundles C. **Rheum Dis Clin North Am** 1991 May;17(2):287–307 (86 ref.)

Dietary amino acid-induced systemic lupus erythematosus. Montanaro A, et al. **Rheum Dis Clin North Am** 1991 May; 17(2):323–32 (28 ref.)

Sewage sludge as a source of environmental selenium. Cappon CJ. **Sci Total Environ** 1991 Mar;100 Spec No:177–205 (97 ref.)

Milestones in biological trace element research. Iyengar GV. **Sci Total Environ** 1991 Mar;100 Spec No:1–15 (44 ref.)

Nickel contact allergy and a nickel-restricted diet. Veien NK, et al. **Semin Dermatol** 1990 Sep;9(3):197–205 (58 ref.)

Ration formulation using linear programming. VandeHaar MJ, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul; 7(2):541–56 (3 ref.)

Nutritional and dietary interrelationships with diseases of grazing beef cattle. Wikse SE, et al. **Vet Clin North Am Food Anim Pract** 1991 Mar;7(1):143–52 (29 ref.)

Intervention studies in adenoma patients. Armitage NC. **World J Surg** 1991 Jan–Feb;15(1):29–34 (62 ref.)

[Blood cholesterol, diet and coronary risk: is the French population protected or threatened? Report of a consensus conference] **Diabete Metab** 1990 Jul–Aug;16(4):334–40; discussion 341–3 (8 ref.) **(Fre)**

[Nutrition and hypertension: what are the goals?] Greminger P, et al. **Schweiz Rundsch Med Prax** 1990 Sep 11; 79(37):1055–61 (37 ref.) (Eng. Abstr.) **(Ger)**

[Diet and autoimmunity] Danieli MG, et al. **Recenti Prog Med** 1990 Jul–Aug;81(7–8):532–8 (40 ref.) (Eng. Abstr.) **(Ita)**

[Minerals in Latin American diets] Carrazza FR. **Arch Latinoam Nutr** 1988 Sep;38(3):599–621 (39 ref.) (Eng. Abstr.) **(Por)**

[Interactions among the components of the diet] Caballero B. **Arch Latinoam Nutr** 1988 Sep;38(3):656–84 (129 ref.) (Eng. Abstr.) **(Spa)**

[Food guidelines and nutritional goals for aging] Horwitz A. **Arch Latinoam Nutr** 1988 Sep;38(3):723–49 (23 ref.) (Eng. Abstr.) **(Spa)**

[Proteins and amino acids: features and fulfillment of requirements with Latin American diets] Torún B. **Arch Latinoam Nutr** 1988 Sep;38(3):483–505 (47 ref.) (Eng. Abstr.) **(Spa)**

[Clinical therapeutics in arterial hypertension] Agrest A. **Medicina (B Aires)** 1990;50(5):481–7 (48 ref.) **(Spa)**

[Present and future of nutrition in cancer] Villazón A, et al. **Rev Gastroenterol Mex** 1990 Apr–Jun;55(2):79–89 (164 ref.) **(Spa)**

ADVERSE EFFECTS

The epidemiology of neural tube defects: a review of dietary intake and related factors as etiologic agents. Slattery ML, et al. **Am J Epidemiol** 1991 Mar 15;133(6):526–40 (82 ref.)

Diet, smoking, and alcohol: influence on coronary heart disease risk. Castelli WP. **Am J Kidney Dis** 1990 Oct;16(4 Suppl 1):41–6 (38 ref.)

Obesity, diet, and psychosocial factors contributing to cardiovascular disease in blacks. Kumanyika S, et al. **Cardiovasc Clin** 1991;21(3):47–73 (118 ref.)

The role of diet in the pathogenesis and therapy of nephrolithiasis. Goldfarb S. **Endocrinol Metab Clin North Am** 1990 Dec;19(4):805–20 (66 ref.)

Diet and nasopharyngeal carcinoma. Yu MC. **FEMS Microbiol Immunol** 1990 Nov;2(4):235–42 (52 ref.)

The relationship of diet to cancer, cardiovascular disease and longevity. Leis HP Jr. **Int Surg** 1991 Jan–Mar;76(1):1–5 (35 ref.)

The influence of frequent ingestion of acids in the diet on treatment for dentin sensitivity. Clark DC, et al. **J Can Dent Assoc** 1990 Dec;56(12):1101–3 (17 ref.)

Dietary carcinogens, environmental pollution, and cancer: some misconceptions. Ames BN, et al. **Med Oncol Tumor Pharmacother** 1990;7(2–3):69–85 (164 ref.)

Fiber and cancer. Kritchevsky D. **Med Oncol Tumor Pharmacother** 1990;7(2–3):137–41 (40 ref.)

The diet and cancer hypothesis: current trends. Saracci R. **Med Oncol Tumor Pharmacother** 1990;7(2–3):99–107 (18 ref.)

Gastric carcinogenesis: diet as a causative factor. Sugimura T, et al. **Med Oncol Tumor Pharmacother** 1990;7(2–3):87–92 (56 ref.)

Epidemiologic studies of diet and cancer. Willett WC. **Med Oncol Tumor Pharmacother** 1990;7(2–3):93–7 (26 ref.)

An overview of the epidemiological evidence linking diet and cancer. Doll R. **Proc Nutr Soc** 1990 Jul;49(2):119–31 (38 ref.)

Dietary factors affecting spontaneous chromosomal damage in man. MacGregor JT. **Prog Clin Biol Res** 1990;347:139–53 (28 ref.)

Western diet and Western diseases: some hormonal and biochemical mechanisms and associations. Adlercreutz H. **Scand J Clin Lab Invest Suppl** 1990;201:3–23 (166 ref.)

Drugs and related areas in pregnancy. Niebyl JR. **Zentralbl Gynakol** 1991;113(7):375–88 (0 ref.)

[Food, diets and rheumatoid arthritis] Panush RS. **Rev Rhum Mal Osteoartic** 1991 Apr;58(3 (Pt 2)):35S–42S (107 ref.) **(Fre)**

STANDARDS

The healthful American diet. Kushner RF. **Compr Ther** 1991 Mar;17(3):4–11 (17 ref.)

DIET, ATHEROGENIC

see related
CHOLESTEROL, DIETARY

Vascular protection from atherosclerosis: potential of calcium antagonists. Parmley WW. **Am J Cardiol** 1990 Dec 18; 66(21):16I–22I (45 ref.)

DIET, CHEMICALLY DEFINED see **FOOD, FORMULATED**

DIET, ELEMENTAL see **FOOD, FORMULATED**

DIET, FORMULA see **FOOD, FORMULATED**

DIET, LOW-SALT see **DIET, SODIUM-RESTRICTED**

DIET, MACROBIOTIC

ADVERSE EFFECTS

Inadequate vegan diets at weaning. **Nutr Rev** 1990 Aug; 48(8):323–6 (12 ref.)

DIET RECORDS

Nutrition epidemiology: how do we know what they ate? Barrett-Connor E. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):182S–187S (33 ref.)

How accurate is self-reported dietary energy intake? Schoeller DA. **Nutr Rev** 1990 Oct;48(10):373–9 (29 ref.)

DIET, REDUCING

Approaching the protein-sparing modified fast. Seim HC, et al. **Am Fam Physician** 1990 Nov;42(5 Suppl):51S–56S (23 ref.)

Retardation of the aging processes in rats by food restriction. Masoro EJ, et al. **Ann N Y Acad Sci** 1991;621:337–52 (27 ref.)

Food restriction slows down age-related changes in cell membrane parameters. Pieri C. **Ann N Y Acad Sci** 1991; 621:353–62 (67 ref.)

Very low calorie diets and recently developed anti-obesity drugs for treating overweight in non-insulin-dependent diabetics. Meinders AE. **Neth J Med** 1990 Oct; 37(3–4):162–6 (22 ref.)

Targeting weight-reduction programs. **Nutr Rev** 1990 Nov;

48(11):414–6 (20 ref.)
The impact of exercise and diet restriction on daily energy expenditure. Poehlman ET, et al. **Sports Med** 1991 Feb; 11(2):78–101 (95 ref.)

DIET, SODIUM-RESTRICTED

The relationship of sodium balance and concomitant diuretic therapy to blood pressure response with calcium channel entry blockers. Weinberger MH. **Am J Med** 1991 May 17; 90(5A):15S–20S (35 ref.)
An overview of randomized trials of sodium reduction and blood pressure [see comments] Cutler JA, et al. **Hypertension** 1991 Jan;17(1 Suppl):I27–33 (49 ref.) Comment in: Hypertension 1991 Jan;17(1 Suppl):I34–5.
Kidney, salt intake, and Na+,K(+)-ATPase inhibitors in hypertension. 1990 Corcoran Lecture. de Wardener HE. **Hypertension** 1991 Jun;17(6 Pt 2):830–6 (86 ref.)
Dietary sodium reduction for hypertension prevention and treatment. Elmer PJ, et al. **Hypertension** 1991 Jan;17(1 Suppl):I182–9 (56 ref.)
Hypertension after Intersalt: prospects for prevention. Beard TC. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S31–4 (25 ref.)
[Effect of salt-restriction on blood pressure. A review over epidemiological studies and a meta-analysis of clinically controlled studies] Graudal NA, et al. **Ugeskr Laeger** 1991 Jul 1;153(27):1914–20 (25 ref.) (Eng. Abstr.) **(Dan)**

DIET SURVEYS

Dietary guidelines and the results of food consumption surveys. Block G. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):356S–357S (9 ref.)
[Nutritional status with regard to calcium in Argentina] Zeni SN, et al. **Arch Latinoam Nutr** 1988 Jun;38(2):209–18 (22 ref.) (Eng. Abstr.) **(Spa)**

DIET, SYNTHETIC see **FOOD, FORMULATED**

DIET THERAPY

The nutritional approach for pediatric patients undergoing CAPD/CCPD. Salusky IB. **Adv Perit Dial** 1990;6:245–51 (37 ref.)
How nutrition intervention changes what getting sick means. Cerra FB. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct; 14(5 Suppl):164S–169S (52 ref.)

ADVERSE EFFECTS

Food, nutrients, health and disease: a historical perspective on the assessment and management of risks. McMichael AJ. **Aust J Public Health** 1991 Mar;15(1):7–13 (29 ref.)

METHODS

[Dietary guidelines for diet therapy of children with hypercholesterolemia] Sarría Chueca A, et al. **An Esp Pediatr** 1991 May;34(5):381–9 (76 ref.) **(Spa)**

TRENDS

[Special therapeutic trends. 2: General procedures, basic naturopathy procedures] Eujen R, et al. **Med Monatsschr Pharm** 1991 Feb;14(2):43–6 (0 ref.) **(Ger)**

VETERINARY

Dietary principles in disease management. Moser E. **Semin Vet Med Surg (Small Anim)** 1990 Aug;5(3):145–53 (33 ref.)

DIETARY CALCIUM see **CALCIUM, DIETARY**

DIETARY CARBOHYDRATES

Sucrose and fructose in the diabetic diet. Nutrition Subcommittee of the British Diabetic Association's Professional Advisory Committee. **Diabetic Med** 1990 Nov; 7(9):764–9 (35 ref.)
[Carbohydrates and fiber] Lajolo FM, et al. **Arch Latinoam Nutr** 1988 Sep;38(3):519–42 (81 ref.) (Eng. Abstr.) **(Por)**

ADMINISTRATION & DOSAGE

Timing and method of increased carbohydrate intake to cope with heavy training, competition and recovery. Coyle EF. **J Sports Sci** 1991 Summer;9 Spec No:29–51; discussion 51–2 (76 ref.)
The influence of volume on gastric emptying and fluid balance during prolonged exercise. Mitchell JB, et al. **Med Sci Sports Exerc** 1991 Mar;23(3):314–9 (36 ref.)
The importance of volume in regulating gastric emptying. Noakes TD, et al. **Med Sci Sports Exerc** 1991 Mar; 23(3):307–13 (36 ref.)
Mechanisms and experimental and epidemiological evidence relating dietary fibre (non-starch polysaccharides) and starch to protection against large bowel cancer. Bingham SA. **Proc Nutr Soc** 1990 Jul;49(2):153–71 (123 ref.)
[Evaluation of sugar and sugar-containing foods as to their significance for energy and nutrient supply] Erbersdobler HF. **Z Ernahrungswiss** 1990;29 Suppl 1:16–20 (8 ref.) (Eng. Abstr.) **(Ger)**
[The consumption of sugar in the Federal Republic of Germany] Kübler W. **Z Ernahrungswiss** 1990;29 Suppl 1:3–10 (6 ref.) (Eng. Abstr.) **(Ger)**
[The role of carbohydrates in child nutrition] Gapparov MM, et al. **Vopr Pitan** 1991 Mar–Apr;(2):15–22 (61 ref.) **(Rus)**

ADVERSE EFFECTS

Why free sugars consumption should be below 15 kg per person per year in industrialised countries: the dental evidence. Sheiham A. **Br Dent J** 1991 Jul 20;171(2):63–5 (49 ref.)
Lactose and cataract in humans: a review. Couet C, et al. **J Am Coll Nutr** 1991 Feb;10(1):79–86 (77 ref.)
Report of the COMA panel on dietary sugars and human disease: discussion paper [see comments] Yudkin J. **J R Soc Med** 1990 Oct;83(10):627–8 (12 ref.) Comment in: J R Soc Med 1991 Apr;84(4):246. Comment in: J R Soc Med 1991 May;84(5):320–1.
Sorbitol and dental caries. Birkhed D, et al. **World Rev Nutr Diet** 1991;65:1–37 (184 ref.)
[Does sugar play a role in the development of overweight?] Förster H. **Z Ernahrungswiss** 1990;29 Suppl 1:45–52 (34 ref.) (Eng. Abstr.) **(Ger)**
[Does sugar play a role in the development of gastroenterologic diseases (Crohn disease, gallstones, cancer)?] Sailer D. **Z Ernahrungswiss** 1990;29 Suppl 1:39–44 (28 ref.) (Eng. Abstr.) **(Ger)**
[Is sugar involved in the development of cardiovascular diseases?] Wolfram G. **Z Ernahrungswiss** 1990;29 Suppl 1:35–8 (19 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Fiber and physiological and potentially therapeutic effects of slowing carbohydrate absorption. Jenkins DJ, et al. **Adv Exp Med Biol** 1990;270:129–34 (27 ref.)
Polysaccharide utilization by human colonic bacteria. Salyers AA. **Adv Exp Med Biol** 1990;270:151–8 (19 ref.)
Clinical application of breath hydrogen measurements. Perman JA. **Can J Physiol Pharmacol** 1991 Jan;69(1):111–5 (40 ref.)
Meeting carbohydrate and fluid needs in soccer. Shephard RJ. **Can J Sport Sci** 1990 Sep;15(3):165–71 (70 ref.)
Carbohydrates and exercise. Hargreaves M. **J Sports Sci** 1991 Summer;9 Spec No:17–28 (59 ref.)
Clinical biochemistry: implications for nutritional support. Kinney JM. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct; 14(5 Suppl):148S–156S (53 ref.)
Dietary carbohydrate source and copper bioavailability. O'Dell BL. **Nutr Rev** 1990 Dec;48(12):425–34 (31 ref.)
Assessment of carbohydrate tolerance in pregnancy. Reece EA, et al. **Obstet Gynecol Surv** 1991 Jan;46(1):1–14 (105 ref.)
Muscle glycogen synthesis before and after exercise. Ivy JL. **Sports Med** 1991 Jan;11(1):6–19 (55 ref.)
Carbohydrate nutrition. Allen MS. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):327–40 (38 ref.)
[Phytates, dietary fiber and drugs linked with the absorption of mineral substances and carbohydrates from food] Angelova-Gateva P, et al. **Vutr Boles** 1990;29(3):47–52 (32 ref.) **(Bul)**
[Carbohydrates in parenteral nutrition] Georgieff M, et al. **Klin Anasthesiol Intensivther** 1990;40:13–24 (42 ref.) **(Ger)**
[Diet and civilization diseases--carbohydrate aspects] Haslbeck M. **Wien Med Wochenschr Suppl** 1990;106:suppl 7–10 (33 ref.) (Eng. Abstr.) **(Ger)**
[Is sugar a nutrient robber?] Feldheim W. **Z Ernahrungswiss** 1990;29 Suppl 1:26–30 (9 ref.) (Eng. Abstr.) **(Ger)**
[Sugar and caries] Ketterl W. **Z Ernahrungswiss** 1990;29 Suppl 1:11–5 (12 ref.) (Eng. Abstr.) **(Ger)**
[Position of sugar in nutrition] Wolfram G. **Z Ernahrungswiss** 1990;29 Suppl 1:21–5 (8 ref.) (Eng. Abstr.) **(Ger)**

PHARMACOLOGY

The clinical utility of the glycemic index and its application to mixed meals. Hollenbeck CB, et al. **Can J Physiol Pharmacol** 1991 Jan;69(1):100–7 (32 ref.)

DIETARY CHOLESTEROL see **CHOLESTEROL, DIETARY**

DIETARY EGG PROTEINS see **EGG PROTEINS, DIETARY**

DIETARY FATS

Reducing fat intake with fat substitutes. Ruoff GE. **Am Fam Physician** 1991 Apr;43(4):1235–42 (24 ref.)
Introduction: nutritional aspects of palm oil. Cottrell RC. **Am J Clin Nutr** 1991 Apr;53(4 Suppl):989S–1009S (139 ref.)
Dietary modulation of experimental neoplastic development: role of fat and fiber content and calorie intake. Roberfroid MB. **Mutat Res** 1991 Mar–Apr;259(3–4):351–62 (61 ref.)
Diet and kidney disease: the role of dietary fatty acids. Schreiner GF, et al. **Proc Soc Exp Biol Med** 1991 May; 197(1):1–11 (113 ref.)
[An experimental and clinical study of the biological action of marine fish fats] Prokhorovich EA, et al. **Kardiologiia** 1990 Aug;30(8):99–102 (81 ref.) **(Rus)**
[Fats in the diet] Bosch V, et al. **Arch Latinoam Nutr** 1988 Sep;38(3):506–18 (22 ref.) (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Lipid intake and atherosclerosis. Mancini M, et al. **Ann Nutr Metab** 1991;35 Suppl 1:103–8 (22 ref.)
Separate effects of dietary protein and fat on serum cholesterol levels: another view of amino acid content of proteins. Sánchez A, et al. **Arch Latinoam Nutr** 1988 Jun; 38(2):239–50 (45 ref.)
Alternative lipid sources for enteral and parenteral nutrition: long- and medium-chain triglycerides, structured triglycerides, and fish oils. Bell SJ, et al. **J Am Diet Assoc** 1991 Jan;91(1):74–8 (24 ref.)
Promoting adherence to low-fat, low-cholesterol diets: review and recommendations. McCann BS, et al. **J Am Diet Assoc** 1990 Oct;90(10):1408–14, 1017 (64 ref.)
Postprandial lipemia and reverse cholesterol transport. **Nutr Rev** 1990 Sep;48(9):350–2 (6 ref.)
Preventing colorectal cancer. Ferguson EF Jr, et al. **South Med J** 1990 Nov;83(11):1295–9 (57 ref.)
Omega 3 fatty acid deficiency in man: implications for the requirement of alpha-linolenic acid and long-chain omega 3 fatty acids. Bjerve KS. **World Rev Nutr Diet** 1991; 66:133–42 (38 ref.)
[Nutrition in disorders of lipid metabolism] Zürcher G. **Med Monatsschr Pharm** 1991 Jun;14(6):174–83 (17 ref.) **(Ger)**
[Diet with controlled content of fat and cholesterol--practical aspects and realized evaluation] Owczarek L. **Wiad Lek** 1990 Aug 1–15;43(15–16):834–45 (8 ref.) **(Pol)**

ADVERSE EFFECTS

Carcinogenesis in our food and cancer prevention. Weisburger JH. **Adv Exp Med Biol** 1991;289:137–51 (44 ref.)
Dietary fats and cancer. Carroll KK. **Am J Clin Nutr** 1991 Apr;53(4 Suppl):1064S–1067S (60 ref.)
Modulating effects of calcium in animal models of colon carcinogenesis and short-term studies in subjects at increased risk for colon cancer. Wargovich MJ, et al. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):202S–205S (42 ref.)
Dietary fat and cancer: consistency of the epidemiologic data, and disease prevention that may follow from a practical reduction in fat consumption [published erratum appears in Cancer Causes Control 1990 Nov;1(3):253] Prentice RL, et al. **Cancer Causes Control** 1990 Jul;1(1):81–97; discussion 99–109 (48 ref.)
Dietary fat intake and cancer. Weisburger JH, et al. **Hematol Oncol Clin North Am** 1991 Feb;5(1):7–23 (87 ref.)
Diet, obesity, fat distribution and cancer in women. Schapira DV. **J Am Med Wom Assoc** 1991 Jul–Aug;46(4):126–30 (61 ref.)
The legal implications of dietary fats: risks of cardiovascular disease and the duty of food manufacturers. Black DM, et al. **J Nutr** 1991 Apr;121(4):578–82 (13 ref.)
The importance of N-6 and N-3 fatty acids in carcinogenesis. Kromhout D. **Med Oncol Tumor Pharmacother** 1990; 7(2–3):173–6 (17 ref.)
Quantitative review of studies of dietary fat and rat colon carcinoma. Zhao LP, et al. **Nutr Cancer** 1991; 15(3–4):169–77 (38 ref.)
Opportunities for nutritional scientists in cancer prevention. Boutwell RK. **Prog Clin Biol Res** 1990;347:269–84 (31 ref.)
[Nutrition and breast cancer] Richardson S, et al. **Pathol Biol (Paris)** 1991 Jan;39(1):74–5 (44 ref.) **(Fre)**
[High fat diet and risk of breast cancer] Thür L. **Z Lymphol** 1990 Dec;14(2):51–7 (55 ref.) (Eng. Abstr.) **(Ger)**
[Nutritional risk factors for ischemic cardiopathy] Jiménez Cruz A, et al. **Gac Sanit** 1990 Jan–Feb;4(16):29–34 (42 ref.) (Eng. Abstr.) **(Spa)**

CHEMISTRY

Dietary fat quality and circulating cholesterol levels in humans: a review of actions and mechanisms. Mazier MJ, et al. **Prog Food Nutr Sci** 1991;15(1–2):21–41 (92 ref.)
Balance between omega 3 and omega 6 fatty acids in heart muscle in relation to diet, stress and ageing. Gudbjarnason S, et al. **World Rev Nutr Diet** 1991;66:292–305 (20 ref.)

METABOLISM

Interaction of dietary fiber with lipids--mechanistic theories and their limitations. Furda I. **Adv Exp Med Biol** 1990; 270:67–82 (53 ref.)
Role of proteins and fats in weaning. Giovannini M, et al. **Beitr Infusionther** 1991;27:39–52 (39 ref.)
Data supporting supplementation of humans with vitamin E. Horwitt MK. **J Nutr** 1991 Mar;121(3):424–9 (51 ref.)
Importance of essential fatty acids and their derivatives in poultry. Watkins BA. **J Nutr** 1991 Sep;121(9):1475–85 (132 ref.)
Free radicals, arachidonic acid metabolites, and nutrition. Foegh ML, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):218S–222S (23 ref.)
Clinical biochemistry: implications for nutritional support. Kinney JM. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;

14(5 Suppl):148S–156S (53 ref.)
Dietary fat alters adipocyte membrane lipid composition and cell functions in diabetic and control rats. **Nutr Rev** 1991 Mar;49(3):82–4 (5 ref.)
The metabolic basis for the "apple" and the "pear" body habitus. **Nutr Rev** 1991 Mar;49(3):84–6 (6 ref.)
Dietary modulation of cytokine production and biologic functions. Meydani SN. **Nutr Rev** 1990 Oct;48(10):361–9 (53 ref.)
Lipid nutrition. Emery RS, et al.
Vet Clin North Am Food Anim Pract 1991 Jul;7(2):341–52 (65 ref.)
[Parenteral feeding. Fat] Eckart J.
Klin Anasthesiol Intensivther 1990;40:25–51 (83 ref.) **(Ger)**
[Dietary modification of the postprandial phase] Canzler H. **Klin Wochenschr** 1990;68 Suppl 22:76–82 (15 ref.) **(Ger)**
[Chylomicronemia syndrome--pathophysiology, clinical aspects and therapy] Klör HU. **Klin Wochenschr** 1990;68 Suppl 22:68–75 (66 ref.) **(Ger)**
[Postprandial fatty acid metabolism] Oette K.
Klin Wochenschr 1990;68 Suppl 22:7–11 (11 ref.) (Eng. Abstr.) **(Ger)**
[Role of hepatic lipases, cholesterol ester transfer proteins and LCAT in the postprandial phase] van Tol A.
Klin Wochenschr 1990;68 Suppl 22:23–8 (35 ref.) (Eng. Abstr.) **(Ger)**

PHARMACOLOGY

Cigarette smoking and platelet function: relation to nicotine, carbon monoxide and saturated fat. Renaud S.
Adv Exp Med Biol 1990;273:161–71 (23 ref.)
Modification of the eicosanoid system and cell signalling by precursor fatty acids. Weber PC, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1991; 21A:217–24 (27 ref.)
Lipids and thrombosis. Gasser JA, et al.
Baillieres Clin Endocrinol Metab 1990 Dec;4(4):923–38 (190 ref.)
Polyunsaturated fatty acids and coronary heart disease. Sanders TA. **Baillieres Clin Endocrinol Metab** 1990 Dec; 4(4):877–94 (105 ref.)
Dietary lipids in relation to postnatal development of the brain. Hargreaves K, et al. **Ups J Med Sci Suppl** 1990; 48:79–95 (31 ref.)

THERAPEUTIC USE

Dietary treatment of immunologically mediated renal disease. Schreiner GF. **Kidney Int Suppl** 1991 Apr;31:S49–56 (117 ref.)
Alleviation of autoimmune disease by dietary lipids containing omega-3 fatty acids. Robinson DR.
Rheum Dis Clin North Am 1991 May;17(2):213–22 (18 ref.)
Dietary omega-3 fatty acids: effects on lipid mediators of inflammation and rheumatoid arthritis. Sperling RI.
Rheum Dis Clin North Am 1991 May;17(2):373–89 (55 ref.)

DIETARY FATS, UNSATURATED

ADMINISTRATION & DOSAGE

Effect of fish consumption compared to intake of fish oil. Deslypere JP. **Bibl Nutr Dieta** 1990;(46):53–69 (53 ref.)
Omega-3 polyenic acids: sources, intake. Poisson JP.
Bibl Nutr Dieta 1990;(46):70–86 (38 ref.)
Polyunsaturates, endogenous eicosanoids, and cardiovascular disease. Knapp HR. **J Am Coll Nutr** 1990 Aug;9(4):344–51 (63 ref.)
Dose-response relationships for omega 3/omega 6 effects. Lands WE. **World Rev Nutr Diet** 1991;66:177–94 (37 ref.)
Health effects of omega 3 polyunsaturated fatty acids in seafoods. Cardiovascular. II: Heart. Nordøy A.
World Rev Nutr Diet 1991;66:34–8 (20 ref.)
Polyunsaturated fatty acids and the health of the elderly. Rudman D, et al. **World Rev Nutr Diet** 1991;66:143–60 (79 ref.)

ADVERSE EFFECTS

Safety evaluation of hydrogenated oils. Verschuren PM, et al. **Food Chem Toxicol** 1990 Nov;28(11):755–7 (21 ref.)

CHEMISTRY

Dietary fat quality and circulating cholesterol levels in humans: a review of actions and mechanisms. Mazier MJ, et al. **Prog Food Nutr Sci** 1991;15(1–2):21–41 (92 ref.)

METABOLISM

Dietary n-3 polyunsaturated fatty acids of fish oils, autoxidation ex vivo and peroxidation in vivo: implications. Kinsella JE. **Adv Exp Med Biol** 1991;289:255–68 (76 ref.)
Omega-3 polyunsaturated fatty acids: biochemical actions. Granström E. **Bibl Nutr Dieta** 1990;(46):87–94 (24 ref.)

PHARMACOLOGY

Lipids and thrombosis. Gasser JA, et al.
Baillieres Clin Endocrinol Metab 1990 Dec;4(4):923–38 (190 ref.)
Polyunsaturated fatty acids and coronary heart disease. Sanders TA. **Baillieres Clin Endocrinol Metab** 1990 Dec; 4(4):877–94 (105 ref.)
Mechanism of the antithrombotic effects of fish oil. Goodnight SH. **Baillieres Clin Haematol** 1990 Jul; 3(3):601–23 (119 ref.)
Dietary n-3 (omega-3) polyunsaturated fatty acid effects on animal tumorigenesis. Cave WT Jr. **FASEB J** 1991 May; 5(8):2160–6 (43 ref.)
Lipids, membrane receptors, and enzymes: effects of dietary fatty acids. Kinsella JE. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):200S–217S (91 ref.)

THERAPEUTIC USE

Dietary lipids and multiple sclerosis. Bates D.
Ups J Med Sci Suppl 1990;48:173–87 (26 ref.)
Omega 3 fatty acid diet effects on tumorigenesis in experimental animals. Cave WT Jr.
World Rev Nutr Diet 1991;66:462–76 (34 ref.)
Modulation of breast cancer growth in nude mice by omega 3 lipids. Fernandes G, et al. **World Rev Nutr Diet** 1991; 66:488–503 (70 ref.)
Dietary omega 3 fatty acids and cancer: an overview. Galli C, et al. **World Rev Nutr Diet** 1991;66:446–61 (61 ref.)
Dietary supplementation with omega 3 fatty acids in insulin-dependent diabetes mellitus. Jensen T.
World Rev Nutr Diet 1991;66:417–24 (43 ref.)
Studies of dietary supplementation with omega 3 fatty acids in patients with rheumatoid arthritis. Kremer JM, et al.
World Rev Nutr Diet 1991;66:367–82 (27 ref.)
Omega 3 fatty acids and cancer metastasis in humans. Man-Fan Wan J, et al. **World Rev Nutr Diet** 1991;66:477–87 (36 ref.)
Dietary omega 3 and omega 6 fatty acids and cardiovascular responses to pressor and depressor stimuli. Mills DE.
World Rev Nutr Diet 1991;66:349–57 (29 ref.)
Omega 3 polyunsaturated fatty acid constituents of fish oil and the management of skin inflammatory and scaly disorders. Ziboh VA. **World Rev Nutr Diet** 1991;66:425–35 (22 ref.)

DIETARY FIBER

Dietary fiber: a glance into the future. Kritchevsky D.
Adv Exp Med Biol 1990;270:1–5 (44 ref.)
Physiological effects and physico-chemical properties of soy cotyledon fiber. Lo GS. **Adv Exp Med Biol** 1990;270:49–66 (21 ref.)
Utilization of purified cellulose in fiber studies. Penner MH, et al. **Adv Exp Med Biol** 1990;270:169–78 (22 ref.)
Carcinogenesis in our food and cancer prevention. Weisburger JH. **Adv Exp Med Biol** 1991;289:137–51 (44 ref.)
Physicochemical properties and physiological effects of the (1——3)(1——4)-beta-D-glucan from oats. Wood PJ.
Adv Exp Med Biol 1990;270:119–27 (27 ref.)
Starch and dietary fibre: their physiological and epidemiological interrelationships. Stephen AM.
Can J Physiol Pharmacol 1991 Jan;69(1):116–20 (31 ref.)
The physiological and nutritional importance of dietary fibre. Schweizer TF, et al. **Experientia** 1991 Feb 15;47(2):181–6 (40 ref.)
Dietary modulation of experimental neoplastic development: role of fat and fiber content and calorie intake. Roberfroid MB. **Mutat Res** 1991 Mar-Apr;259(3–4):351–62 (61 ref.)
[Carbohydrates and fiber] Lajolo FM, et al.
Arch Latinoam Nutr 1988 Sep;38(3):519–42 (81 ref.) (Eng. Abstr.) **(Por)**

ADMINISTRATION & DOSAGE

Mechanisms and experimental and epidemiological evidence relating dietary fibre (non-starch polysaccharides) and starch to protection against large bowel cancer. Bingham SA. **Proc Nutr Soc** 1990 Jul;49(2):153–71 (123 ref.)
Preventing colorectal cancer. Ferguson EF Jr, et al.
South Med J 1990 Nov;83(11):1295–9 (57 ref.)
[Controversies in cardiology on dietary regimes from dietary fibers to fish oils] de Oliveira MH. **Rev Port Cardiol** 1991 Apr;10(4):355–9 (42 ref.) (Eng. Abstr.) **(Por)**

ANALYSIS

Delimitation problems in definition and analysis of dietary fiber. Asp NG. **Adv Exp Med Biol** 1990;270:227–36 (30 ref.)
Non-starch polysaccharides (dietary fiber) and resistant starch. Englyst HN, et al. **Adv Exp Med Biol** 1990; 270:205–25 (63 ref.)
Improved methods for analysis and biological characterization of fiber. Jeraci JL, et al.
Adv Exp Med Biol 1990;270:245–63 (45 ref.)
Issues in dietary fiber analysis. Marlett JA.
Adv Exp Med Biol 1990;270:183–92 (30 ref.)
Dietary fiber analysis and nutrition labelling. Schweizer TF.
Adv Exp Med Biol 1990;270:265–72 (35 ref.)

CHEMISTRY

Beyond dietary fiber. Spiller GA. **Am J Clin Nutr** 1991 Oct; 54(4):615–7 (13 ref.)

METABOLISM

Chelating properties of dietary fiber and phytate. The role for mineral availability. Frølich W. **Adv Exp Med Biol** 1990; 270:83–93 (22 ref.)
Dietary fiber and bowel function in tube-fed patients. Frankenfield DC, et al. **J Am Diet Assoc** 1991 May; 91(5):590–6, 599 (86 ref.)
Role of rumen fungi in fiber degradation. Akin DE, et al.
J Dairy Sci 1990 Oct;73(10):3023–32 (55 ref.)
Fiber and cancer. Kritchevsky D.
Med Oncol Tumor Pharmacother 1990;7(2–3):137–41 (40 ref.)
Mixed-fiber diets and cholesterol metabolism in middle-aged men. **Nutr Rev** 1991 Mar;49(3):80–2 (7 ref.)
Carbohydrate nutrition. Allen MS.
Vet Clin North Am Food Anim Pract 1991 Jul;7(2):327–40 (38 ref.)
Ingestion and mastication of feed by dairy cattle. Beauchemin KA. **Vet Clin North Am Food Anim Pract** 1991 Jul; 7(2):439–63 (172 ref.)

PHARMACOLOGY

Mechanisms of action on dietary fibre on small intestinal absorption and motility. Edwards C. **Adv Exp Med Biol** 1990;270:95–104 (43 ref.)
Interaction of dietary fiber with lipids--mechanistic theories and their limitations. Furda I. **Adv Exp Med Biol** 1990; 270:67–82 (53 ref.)
Fiber and physiological and potentially therapeutic effects of slowing carbohydrate absorption. Jenkins DJ, et al.
Adv Exp Med Biol 1990;270:129–34 (27 ref.)
Physiological implications of wheat and oat dietary fiber. Knudsen KE, et al. **Adv Exp Med Biol** 1990;270:135–50 (53 ref.)
Gastrointestinal responses to dietary fiber. Schneeman BO.
Adv Exp Med Biol 1990;270:37–42 (16 ref.)
Dietary fiber and bile acid metabolism. Story JA, et al.
Adv Exp Med Biol 1990;270:43–8 (18 ref.)
Fermentable fibers and vitamin B12 dependency.
Nutr Rev 1991 Apr;49(4):119–20 (12 ref.)
[Phytates, dietary fiber and drugs linked with the absorption of mineral substances and carbohydrates from food] Angelova-Gateva P, et al. **Vutr Boles** 1990;29(3):47–52 (32 ref.) **(Bul)**
[Are diets rich in dietary fiber advisable?] van Berge Henegouwen GP. **Ned Tijdschr Geneeskd** 1991 Jul 20; 135(29):1306–10 (51 ref.) **(Dut)**
[Dietary fiber] Turberg Y, et al.
Rev Med Suisse Romande 1991 Jun;111(6):477–82 (48 ref.) **(Fre)**

THERAPEUTIC USE

Hypocholesterolemic effects of oat products. Anderson JW, et al. **Adv Exp Med Biol** 1990;270:17–36 (55 ref.)
The role of cholesterol in atherosclerosis and its potential management by dietary fiber. Kohn IJ, et al.
Arq Bras Cardiol 1991 Mar;56(3):173–84 (116 ref.)
Dietary fiber and cancer prevention. Shankar S, et al.
Hematol Oncol Clin North Am 1991 Feb;5(1):25–41 (126 ref.)
Nutritional benefits of soy protein and soy fiber. Slavin J.
J Am Diet Assoc 1991 Jul;91(7):816–9 (31 ref.)
Dietary fiber, food intolerance, and irritable bowel syndrome.
Nutr Rev 1990 Sep;48(9):343–6 (15 ref.)

TOXICITY

Toxicological evaluation of dietary fibre. Roberfroid M.
Food Chem Toxicol 1990 Nov;28(11):747–9 (20 ref.)

DIETARY FORMULATIONS see **FOOD, FORMULATED**

DIETARY HABITS see **FOOD HABITS**

DIETARY OILS see **DIETARY FATS, UNSATURATED**

DIETARY PROTEINS

see related
PROTEIN DEFICIENCY

Peanut as a source of protein for human foods. Singh B, et al. **Plant Foods Hum Nutr** 1991 Apr;41(2):165–77 (62 ref.)
[Recent developments in selected areas of food biotechnology] Ruttloff H. **Nahrung** 1990;34(7):629–59 (290 ref.) (Eng. Abstr.) **(Ger)**
[Proteins and amino acids: features and fulfillment of requirements with Latin American diets] Torún B.
Arch Latinoam Nutr 1988 Sep;38(3):483–505 (47 ref.) (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Amino acids and proteins in relation to the nutrition of elderly people. Young VR. **Age Ageing** 1990 Jul; 19(4):S10–24 (94 ref.)
Approaching the protein-sparing modified fast. Seim HC, et al. **Am Fam Physician** 1990 Nov;42(5 Suppl):51S–56S (23 ref.)
Serum lipids in patients with chronic renal failure on long-term, protein-restricted diets. Maschio G, et al.
Am J Med 1989 Nov;87(5N):51N–54N (19 ref.)
Possible role of dietary proteins and amino acids in atherosclerosis. Sidransky H. **Ann N Y Acad Sci** 1990; 598:464–81 (162 ref.)
Separate effects of dietary protein and fat on serum

cholesterol levels: another view of amino acid content of proteins. Sánchez A, et al. **Arch Latinoam Nutr** 1988 Jun; 38(2):239–50 (45 ref.)
Whey proteins in cancer prevention. Bounous G, et al. **Cancer Lett** 1991 May 1;57(2):91–4 (33 ref.)
Factors influencing dietary compliance in patients with chronic renal failure on unsupplemented low-protein diet. Oldrizzi L, et al. **Contrib Nephrol** 1990;81:9–15 (15 ref.)
Reducing protein in the diabetic diet. Pedersen MM, et al. **Diabete Metab** 1990 Sep–Oct;16(5):454–9 (37 ref.)
Protein restriction in chronic renal failure. Feldman HI. **Hosp Pract (Off Ed)** 1991 Jun 15;26(6):220–1, 224–5 (5 ref.)
Gluten-free diet and elemental diet in dermatitis herpetiformis. van der Meer JB. **Int J Dermatol** 1990 Dec; 29(10):679–92 (146 ref.)
Soy protein in relation to human protein and amino acid nutrition. Young VR. **J Am Diet Assoc** 1991 Jul; 91(7):828–35 (51 ref.)
Protein and energy requirements of animals treated with beta-adrenergic agonists: a discussion. Reeds PJ, et al. **J Anim Sci** 1991 Apr;69(4):1532–50 (99 ref.)
Effect of exercise on protein requirements. Lemon PW. **J Sports Sci** 1991 Summer;9 Spec No:53–70 (98 ref.)
Protein restriction and the progress of renal insufficiency. **Nutr Rev** 1990 Aug;48(8):320–3 (18 ref.)
[Morphological and functional adaptation of the small intestine to protein intake. Effect of deprivation and supplemented diets] Czernichow B, et al. **Gastroenterol Clin Biol** 1990;14(12):995–1002 (81 ref.) **(Fre)**
[Influence of dietary protein levels on the electrophoretic pattern and plasma IgG and IgM levels in pregnant rats and their offspring] Varela P, et al. **Arch Latinoam Nutr** 1988 Jun;38(2):219–28 (37 ref.) (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Renal effects of dietary protein excess and deprivation. Benabe JE, et al. **Semin Nephrol** 1991 Mar;11(2):76–85 (81 ref.)

CHEMISTRY

Damages to feed proteins and their nutritional consequences: a review. Hegedüs M. **Acta Vet Hung** 1990;38(3):125–41 (41 ref.)
Formation, nutritional value, and safety of D-amino acids. Friedman M. **Adv Exp Med Biol** 1991;289:447–81 (138 ref.)
Multinuclear spin relaxation and high-resolution nuclear magnetic resonance studies of food proteins, agriculturally important materials and related systems. Baianu IC, et al. **Basic Life Sci** 1990;56:361–89 (54 ref.)

METABOLISM

Digestibility of processed food protein. Oste RE. **Adv Exp Med Biol** 1991;289:371–88 (110 ref.)
Role of proteins and fats in weaning. Giovannini M, et al. **Beitr Infusionther** 1991;27:39–52 (39 ref.)
Protein metabolism and nutrition in hemodialysis patients. Alvestrand A. **Contrib Nephrol** 1990;78:102–18 (62 ref.)
Effects of exaggerated amino acid and protein supply in man. Fern EB, et al. **Experientia** 1991 Feb 15;47(2):168–72 (16 ref.)
Emerging applications of the methylotrophic yeasts. Wegner GH. **FEMS Microbiol Rev** 1990 Dec;7(3–4):279–83 (22 ref.)
Interrelationships between exogenous porcine somatotropin (PST) administration and dietary protein and energy intake on protein deposition capacity and energy metabolism of pigs. Campbell RG, et al. **J Anim Sci** 1991 Apr; 69(4):1522–31 (31 ref.)
Fish meal as a protein supplement in ruminant diets: a review. Hussein HS, et al. **J Anim Sci** 1991 May;69(5):2147–56 (75 ref.)
Intestinal absorption of protein hydrolysis products: a review. Webb KE Jr. **J Anim Sci** 1990 Sep;68(9):3011–22 (135 ref.)
Clinical biochemistry: implications for nutritional support. Kinney JM. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct; 14(5 Suppl):148S–156S (53 ref.)
Dietary modulation of cytokine production and biologic functions. Meydani SN. **Nutr Rev** 1990 Oct;48(10):361–9 (53 ref.)
Maintenance protein requirements: the need for conceptual re-evaluation. Millward DJ, et al. **Proc Nutr Soc** 1990 Oct; 49(3):473–87 (22 ref.)
Amino acid needs and protein scoring patterns. Reeds PJ. **Proc Nutr Soc** 1990 Oct;49(3):489–97 (29 ref.)
The effect of the nephrotic syndrome on the renal handling of protein and other nutrients. Kaysen GA, et al. **Semin Nephrol** 1990 Sep;10(5):481–90 (120 ref.)
Protein and amino acid nutrition of lactating dairy cattle. Chalupa W, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):353–72 (50 ref.)
[Pathogenetic aspects of diagnosis and prevention of pathological conditions caused by products of microbiological synthesis (review of the literature)] Shleĭkin AG. **Gig Sanit** 1990 Aug;(8):45–8 (55 ref.) **(Rus)**

PHARMACOLOGY

Cholesterolemic effects of the lysine/arginine ratio in rabbits after initial early growth. Sánchez A, et al. **Arch Latinoam Nutr** 1988 Jun;38(2):229–38 (33 ref.)
Response of hormones and lipid metabolism to different dietary proteins. Barth CA, et al. **Monogr Atheroscler** 1990; 16:110–25 (92 ref.)
Mode of cholesterolemic action of dietary proteins. Beynen AC. **Monogr Atheroscler** 1990;16:153–9 (20 ref.)
Effects of dietary fish protein on plasma cholesterol and lipoproteins in animal modes and in humans. Jacques H. **Monogr Atheroscler** 1990;16:59–70 (36 ref.)
Casein versus soy protein: further elucidation of their differential effect on serum cholesterol in rabbits. **Nutr Rev** 1991 Apr;49(4):121–3 (5 ref.)

STANDARDS

[The rationale for new physiological standards of food and energy consumption for infants] Fateeva EM, et al. **Vopr Pitan** 1990 Nov–Dec;(6):21–5 (24 ref.) **(Rus)**

SUPPLY & DISTRIBUTION

[Fish and their significance from the international and Swiss viewpoints] Meier W, et al. **Schweiz Arch Tierheilkd** 1991; 133(5):205–13 (37 ref.) (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Review of clinical studies on cholesterol-lowering response to soy protein. Carroll KK. **J Am Diet Assoc** 1991 Jul; 91(7):820–7 (81 ref.)
Increasing use of soyfoods and their potential role in cancer prevention. Messina M, et al. **J Am Diet Assoc** 1991 Jul; 91(7):836–40 (56 ref.)
Nutritional benefits of soy protein and soy fiber. Slavin J. **J Am Diet Assoc** 1991 Jul;91(7):816–9 (31 ref.)

DIETARY SERVICES

STANDARDS

Expert opinions on nutrition issues in clinical dentistry. Palmer CA, et al. **J Dent Educ** 1990 Oct;54(10):612–8 (32 ref.)

DIETARY SODIUM see **SODIUM, DIETARY**

DIETETICS

see related
DIETARY SERVICES
Position of the American Dietetic Association: nutrition in foodservice establishments. **J Am Diet Assoc** 1991 Apr; 91(4):480–2 (18 ref.)
Drug–mineral interactions: a new responsibility for the hospital dietitian. Murray JJ, et al. **J Am Diet Assoc** 1991 Jan;91(1):66–70, 73 (36 ref.)

DIETHYLDITHIOCARBAMATE

PHARMACOLOGY

Cisplatin chemoprotection and rescue: pharmacologic modulation of toxicity. Gandara DR, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):49–55 (32 ref.)

THERAPEUTIC USE

Therapeutic properties of sodium diethyldithiocarbamate: its role as an inhibitor in the progression of AIDS. Sunderman FW Sr. **Ann Clin Lab Sci** 1991 Jan–Feb;21(1):70–81 (88 ref.)
Cisplatin rescue therapy: experience with sodium thiosulfate, WR2721, and diethyldithiocarbamate. Gandara DR, et al. **Crit Rev Oncol Hematol** 1990;10(4):353–65 (95 ref.)

DIETHYLENETRIAMINE PENTAACETIC ACID see **DTPA**

DIETHYLHEXYL PHTHALATE

Diethyl phthalate: a perspective. Kamrin MA, et al. **J Clin Pharmacol** 1991 May;31(5):484–9 (67 ref.)

METABOLISM

Microbial degradation of phthalate esters. Kurane R. **Microbiol Sci** 1986 Mar;3(3):92–5 (15 ref.)

TOXICITY

Phthalate esters, cystic kidney disease in animals and possible effects on human health: a review. Woodward KN. **Hum Exp Toxicol** 1990 Nov;9(6):397–401 (63 ref.)

DIETHYLSTILBESTROL

ADVERSE EFFECTS

Market share liability for pharmaceuticals. The distinction between DES and DPT. Fern FH, et al. **J Leg Med** 1990 Dec;11(4):391–426 (185 ref.)
Clear cell adenocarcinoma of the vagina and cervix secondary to intrauterine exposure to diethylstilbestrol. Herbst AL, et al. **Semin Surg Oncol** 1990;6(6):343–6 (17 ref.)

THERAPEUTIC USE

The role of pathologic variables and hormonal treatment after radical prostatectomy for stage D1 disease. Zincke H. **Oncology (Williston Park)** 1991 Mar;5(3):129–39; discussion 139–40, 142 (37 ref.)
Carcinoma of the prostate: reasons for endocrine treatment prior to symptomatic metastases. Chisholm GD. **Prog Clin Biol Res** 1990;359:1–6; discussion 15–24 (17 ref.)
Reasons for delay of endocrine treatment in cancer of the prostate (until symptomatic metastases occur). Christensen MM, et al. **Prog Clin Biol Res** 1990;359:7–14; discussion 15–24 (4 ref.)

TOXICITY

Role of prostaglandin-H synthase in mediating genotoxic and carcinogenic effects of estrogens. Degen GH. **Environ Health Perspect** 1990 Aug;88:217–23 (38 ref.)

DIFERULOYLMETHANE see **CURCUMIN**

DIFFERENTIATION ANTIGENS see **ANTIGENS, DIFFERENTIATION**

DIFFERENTIATION ANTIGENS, B-CELL see **ANTIGENS, DIFFERENTIATION, B-LYMPHOCYTE**

DIFFERENTIATION ANTIGENS, HAIRY CELL LEUKEMIA see **ANTIGENS, DIFFERENTIATION, B-LYMPHOCYTE**

DIFFERENTIATION ANTIGENS, LEUKOCYTE, HUMAN see **ANTIGENS, CD**

DIFFERENTIATION ANTIGENS, B-LYMPHOCYTE see **ANTIGENS, DIFFERENTIATION, B-LYMPHOCYTE**

DIFFERENTIATION ANTIGENS, MYELOMONOCYTIC see **ANTIGENS, DIFFERENTIATION, MYELOMONOCYTIC**

DIFFERENTIATION MARKERS see **ANTIGENS, DIFFERENTIATION**

DIFFUSE IDIOPATHIC SKELETAL HYPEROSTOSIS see **HYPEROSTOSIS, DIFFUSE IDIOPATHIC SKELETAL**

DIFFUSION CHAMBERS, CULTURE

[Successes and the outlook in the study of pathogenic microorganisms in vivo in the implanted chamber model] Kuliash GIu, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1991 Apr;(4):72–6 (30 ref.) **(Rus)**

DIFFUSION OF INNOVATION

Technological innovation and the winning-combination phenomenon. The case of the extracorporeal lithotriptor. Poulin D. **Int J Technol Assess Health Care** 1991;7(1):63–7 (9 ref.)
Assessment and diffusion of computerized decision support systems. Weaver RR. **Int J Technol Assess Health Care** 1991;7(1):42–50 (19 ref.)
The utilization of research findings in clinical nursing practice. Bircumshaw D. **J Adv Nurs** 1990 Nov; 15(11):1272–80 (39 ref.)
Diffusion of the U.S. Preventive Services Task Force recommendations into practice. Lawrence RS. **J Gen Intern Med** 1990 Sep–Oct;5(5 Suppl):S99–103 (30 ref.)

DIGENIC ACID see **KAINIC ACID**

DIGEORGE SYNDROME

COMPLICATIONS

[Cardiopathies in Di George's syndrome] Normand J, et al. **Pediatrie** 1991;46(3):287–91 (41 ref.) (Eng. Abstr.) **(Fre)**

DIGESTANTS see **GASTROINTESTINAL AGENTS**

DIGESTION

Evaluation of the energy value of rabbit feeds: a critical review. Maertens L, et al. **Acta Vet Hung** 1990;38(3):153–63 (71 ref.)
Digestibility of processed food protein. Oste RE. **Adv Exp Med Biol** 1991;289:371–88 (110 ref.)
Forage digestibility and carbon-13 solid state NMR. Cyr N, et al. **Basic Life Sci** 1990;56:287–302 (18 ref.)
Physiology and genetics of xylan degradation by gastrointestinal tract bacteria. Hespell RB, et al. **J Dairy Sci** 1990 Oct;73(10):3013–22 (53 ref.)
Gastric lipase and digestion of human milk fat. **Nutr Rev** 1990 Oct;48(10):385–7 (8 ref.)
Carbohydrate nutrition. Allen MS. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):327–40 (38 ref.)
Lipid nutrition. Emery RS, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):341–52 (65 ref.)
Rumen digestive physiology and microbial ecology. Hoover

WH, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul; 7(2):311–25 (51 ref.)

PHYSIOLOGY

Development of the human gastrointestinal tract: implications for weaning. Guandalini S. **Beitr Infusionther** 1991;27:31–8 (28 ref.)

Interactions of the salivary and gastrointestinal systems. I. The role of saliva in digestion. Valdez IH, et al. **Dig Dis** 1991;9(3):125–32 (67 ref.)

Cholinergic manipulation of digestive function in ruminants and other domestic livestock: a review [published erratum appears in J Anim Sci 1990 Dec;68(12):4445] Croom WJ Jr, et al. **J Anim Sci** 1990 Sep;68(9):3023–32 (54 ref.)

Preruminant calf nutrition. Tomkins T, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):557–76 (67 ref.)

[Mechanisms of postprandial stimulation of gastrointestinal motility and pancreatic secretion] Katschinski M, et al. **Z Gastroenterol** 1991 Apr;29 Suppl 3:13–7 (52 ref.) **(Ger)**

[Regulation of motility and secretion by the ileo–cecal region] Layer P. **Z Gastroenterol** 1991 Apr;29 Suppl 3:18–21 (24 ref.) **(Ger)**

[Relations between gastrointestinal interdigestive motility and secretion] Malfertheiner P, et al. **Z Gastroenterol** 1991 Apr; 29 Suppl 3:10–2 (21 ref.) (Eng. Abstr.) **(Ger)**

[Relations between gastrointestinal interdigestive motility and secretion] Malfertheiner P, et al. **Z Gastroenterol Verh** 1991 Mar;26:290–2 (21 ref.) **(Ger)**

[The practical aspects of research on heterophasic cavitary digestion] Gal'perin IuM, et al. **Usp Fiziol Nauk** 1990 Jul–Sep;21(3):117–24 (17 ref.) **(Rus)**

DIGESTIVE SYSTEM

ABNORMALITIES

Disorders of the fetal thorax and abdomen. Dinsmore BJ, et al. **Semin Roentgenol** 1990 Oct;25(4):334–41 (26 ref.)

DRUG EFFECTS

[Calcium antagonists and the digestive system] Kula Z, et al. **Wiad Lek** 1990 Jun 15;43(12):578–82 (40 ref.) **(Pol)**

[The adverse digestive effects of nonsteroidal anti-inflammatory agents. Current physiopathological and clinical aspects. I. The adverse effects on the digestive track] Duțu A, et al. **Rev Med Interna [Med Interna]** 1990 Mar–Apr;42(2):97–109 (52 ref.) **(Rum)**

[Hygienic evaluation of the effect of coffee on the body (review of the literature)] Dmitriev MT, et al. **Gig Sanit** 1990 Nov;(11):44–6 (21 ref.) **(Rus)**

IMMUNOLOGY

[Current immunological aspects of Crohn's disease] Louis E, et al. **Rev Med Liege** 1991 Jan;46(1):2–11 (27 ref.) **(Fre)**

METABOLISM

Glucagon-like peptide-1(7-36) amide is a new incretin/enterogastrone candidate. Göke R, et al. **Eur J Clin Invest** 1991 Apr;21(2):135–44 (84 ref.)

MICROBIOLOGY

Selective decontamination of the digestive tract in hepatobiliary surgery: a concept. Slooff MJ, et al. **HPB Surg** 1990 Mar;2(1):1–5 (39 ref.)

PATHOLOGY

Alimentary tract cytopathology in human immunodeficiency virus infection: a review of experience in Los Angeles. Strigle SM, et al. **Diagn Cytopathol** 1990;6(6):409–20 (110 ref.)

PHYSIOLOGY

Pickles, peptide hormones and pregnancy: a hypothesis. Hill P. **Med Hypotheses** 1990 Aug;32(4):255–9 (54 ref.)

[Digestive gas: pathophysiology and therapeutic approach in functional bowel disorders] Cloarec D, et al. **Gastroenterol Clin Biol** 1990;14(8–9):641–50 (120 ref.) **(Fre)**

[Evaluation of 2 devices for long-term ambulatory recording of manometry and pH data] Passaretti S, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):57–60 (06 ref.) (Eng. Abstr.) **(Ita)**

[Effect of somatostatin on the digestive tract functions] Dwornicki M. **Przegl Lek** 1990;47(8):593–6 (11 ref.) **(Pol)**

PHYSIOPATHOLOGY

[Cigarette smoking and the pathophysiology of diseases of the digestive system--facts and hypotheses. II. The role of cigarette smoking in the pathogenesis of digestive system diseases] Jonderko K, et al. **Pol Arch Med Wewn** 1990 Sep; 84(3):144–9 (37 ref.) **(Pol)**

[Digestive tract function in diabetics (a review of the literature)] Khvorostinka VN, et al. **Vrach Delo** 1990 Oct; (10):75–9 (35 ref.) **(Rus)**

SURGERY

[Cholecysto-intestinal anastomoses in the treatment of obstructive jaundice with neoplastic origin] Avaliani MV, et al. **Klin Khir** 1990;(9):39–43 (59 ref.) **(Rus)**

DIGESTIVE SYSTEM DISEASES

BLOOD

[Plasmapheresis as an optimal method to improve the outcome of surgical diseases] Genyk SN, et al. **Sov Med** 1990;(7):33–41 (60 ref.) **(Rus)**

CHEMICALLY INDUCED

Occupational and industrial toxin exposures and the gastrointestinal tract. Gastrointestinal Toxicology Subcommittee of the American College of Gastroenterology Patient Care Committee. DiPalma JA, et al. **Am J Gastroenterol** 1991 Sep;86(9):1107–17 (112 ref.)

[Complications of the treatment with non-steroidal anti-inflammatory drugs] Gritsiuk AI, et al. **Sov Med** 1990; (10):39–43 (55 ref.) **(Rus)**

CLASSIFICATION

[Localized amyloidosis of the digestive tract] Yuda F, et al. **Nippon Rinsho** 1991 Apr;49(4):910–7 (26 ref.) **(Jpn)**

COMPLICATIONS

[Nutrition-related diseases of adults] Schlierf G, et al. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):307–15 (14 ref.) (Eng. Abstr.) **(Ger)**

[Infective pathology of the digestive tract in patients with human immunodeficiency virus infection] Podzamczer D, et al. **Enferm Infecc Microbiol Clin** 1989 Mar;7(3):160–6 (107 ref.) **(Spa)**

DIAGNOSIS

[Tuberculosis of the upper digestive and respiratory tract] Ennouri A, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990; 111(3):217–20 (24 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Selective decontamination in intensive care practice: a review of clinical experience. Ramsay G, et al. **Intensive Care Med** 1990;16 Suppl 3:S217–23 (51 ref.)

[Calcium antagonists and the digestive system] Kula Z, et al. **Wiad Lek** 1990 Jun 15;43(12):578–82 (40 ref.) **(Pol)**

[The antimicrobial treatment of digestive diseases] Sánchez Ruiz F. **An Esp Pediatr** 1989 Sep;31 Suppl 38:86–93 (17 ref.) **(Spa)**

[Therapeutic usefulness of synthetic delayed-action somatostatin in gastrointestinal diseases] Miranda Ruiz R, et al. **Rev Gastroenterol Mex** 1991 Jan–Mar;56(1):39–41 (42 ref.) **(Spa)**

EPIDEMIOLOGY

Epidemiology of digestive tract mycoses in immunocompromised patients--a review. Farina C, et al. **Eur J Epidemiol** 1990 Dec;6(4):363–70 (74 ref.)

ETIOLOGY

[Report: complications of continent urinary diversion surgery and bladder replacement] Van Velthoven R. **Acta Urol Belg** 1991;59(2):283–301 (34 ref.) **(Fre)**

[Digestive and nutritional manifestations of Netherton's syndrome] Pradeaux L, et al. **Arch Fr Pediatr** 1991 Feb; 48(2):95–8 (18 ref.) (Eng. Abstr.) **(Fre)**

[Digestive tract lesions in patients with renal insufficiency] Robert D, et al. **Rev Med Suisse Romande** 1990 Dec; 110(12):1049–54 (0 ref.) **(Fre)**

[Sports and the digestive tract] Moser B. **Dtsch Med Wochenschr** 1990 Sep 21;115(38):1448–51 (50 ref.) **(Ger)**

[Cigarette smoking and the pathophysiology of diseases of the digestive system--facts and hypotheses. II. The role of cigarette smoking in the pathogenesis of digestive system diseases] Jonderko K, et al. **Pol Arch Med Wewn** 1990 Sep; 84(3):144–9 (37 ref.) **(Pol)**

[Gastroenterological complications after bone marrow transplantation] Ratajczak MZ, et al. **Pol Tyg Lek** 1990 Aug 20–27;45(34–35):716–20 (33 ref.) **(Pol)**

[Complications of ulcerative colitis] Skulina D, et al. **Pol Tyg Lek** 1990 Dec 3–10;45(49–50):1018–20 (15 ref.) **(Pol)**

PARASITOLOGY

Radiologic findings of clonorchiasis. Lim JH. **AJR Am J Roentgenol** 1990 Nov;155(5):1001–8 (48 ref.)

PHYSIOPATHOLOGY

[Effect of somatostatin on the digestive tract functions] Dwornicki M. **Przegl Lek** 1990;47(8):593–6 (11 ref.) **(Pol)**

SURGERY

[Postoperative ventral hernia] Nartsissov TV, et al. **Sov Med** 1991;(1):35–7 (62 ref.) **(Rus)**

DIGESTIVE SYSTEM NEOPLASMS

Endometriosis. An important condition in clinical gastroenterology. Zwas FR, et al. **Dig Dis Sci** 1991 Mar; 36(3):353–64 (120 ref.)

[Present and future of nutrition in cancer] Villazón A, et al. **Rev Gastroenterol Mex** 1990 Apr–Jun;55(2):79–89 (164 ref.) **(Spa)**

COMPLICATIONS

Endoscopic approach to malignant biliary obstruction. Devière J, et al. **Cardiovasc Intervent Radiol** 1990 Aug–Sep; 13(4):223–30 (29 ref.)

Radiologic approach to malignant biliary obstruction: review and commentary. Ring EJ. **Cardiovasc Intervent Radiol** 1990 Aug–Sep;13(4):217–22 (27 ref.)

DIAGNOSIS

Diagnosis of digestive tract cancer using cDNA probe and monoclonal antibody. Imai K. **Jpn J Med** 1990 Nov–Dec; 29(6):659–61 (7 ref.)

DRUG THERAPY

[Antineoplastic chemotherapy of digestive tumors] Espinosa Arranz E, et al. **Med Clin (Barc)** 1991 Mar 30;96(12):471–4 (60 ref.) **(Spa)**

EPIDEMIOLOGY

Epidemiological evidence on coffee and digestive tract cancers: a review. La Vecchia C. **Dig Dis** 1990;8(5):281–6 (37 ref.)

PATHOLOGY

[Dysplasia in the digestive tract] Potet F, et al. **Ann Pathol** 1991;11(3):153–61 (62 ref.) **(Fre)**

THERAPY

Cancers of the large bowel and hepatobiliary tract. Treat J, et al. **Cancer Chemother Biol Response Modif** 1990; 11:460–75 (86 ref.)

Advances in the medical management of advanced gastrointestinal cancers. Tempero MA. **Curr Opin Oncol** 1990 Aug;2(4):747–53 (16 ref.)

[Primary non-Hodgkin's high grade malignant lymphoma of the digestive system. A prospective study of the combination of surgery–chemotherapy–radiotherapy] Renou P, et al. **Bull Cancer (Paris)** 1990;77(8):811–20 (28 ref.) (Eng. Abstr.) **(Fre)**

ULTRASONOGRAPHY

Endoscopic ultrasonography of the upper gastrointestinal tract. Dancygier H. **Baillieres Clin Gastroenterol** 1991 Mar; 5(1):19–36 (38 ref.)

DIGITAL RADIOGRAPHY see **RADIOGRAPHIC IMAGE ENHANCEMENT**

DIGITAL SCAN PROJECTION RADIOGRAPHY, DUAL-ENERGY see **RADIOGRAPHY, DUAL-ENERGY SCANNED PROJECTION**

DIGITAL SIGNAL PROCESSING see **SIGNAL PROCESSING, COMPUTER-ASSISTED**

DIGITAL SUBTRACTION ANGIOGRAPHY see **ANGIOGRAPHY, DIGITAL SUBTRACTION**

DIGITALIS

Current role of digitalis therapy in patients with congestive heart failure. Kulick DL, et al. **JAMA** 1991 Jun 12; 265(22):2995–7 (43 ref.)

Digitalis sensitivity of Na+,K(+)-ATPase, myocytes and the heart. Akera T, et al. **Life Sci** 1991;48(2):97–106 (39 ref.)

[Digitalis today: new strategies in the treatment of heart failure] Finotti P, et al. **Cardiologia** 1990 Apr;35(4):285–9 (31 ref.) **(Ita)**

[Endogenous digitalis-like substances and cardiac glycosides: facts and hypotheses] Mikhailov IB. **Farmakol Toksikol** 1990 Sep–Oct;53(5):75–8 (68 ref.) (Eng. Abstr.) **(Rus)**

DIGITALIS GLYCOSIDES

PHARMACOLOGY

Are all cardiac glycosides pharmacodynamically similar? [editorial] Joubert PH. **Eur J Clin Pharmacol** 1990; 39(4):317–20 (21 ref.)

[Endogenous digitalis] Ortega M, et al. **An Med Interna** 1991 Feb;8(2):89–93 (31 ref.) (Eng. Abstr.) **(Spa)**

POISONING

Results of multicenter studies of digoxin-specific antibody fragments in managing digitalis intoxication in the pediatric population. Woolf AD, et al. **Am J Emerg Med** 1991 Mar; 9(2 Suppl 1):16–20; discussion 33–4 (22 ref.)

Treatment of digitalis intoxication with emphasis on the clinical use of digoxin immune Fab. Allen NM, et al.

DICP 1990 Oct;24(10):991–8 (67 ref.)

THERAPEUTIC USE

An explanation for varying views about digitalis efficacy in congestive heart failure. Cohn JN.
Cardiovasc Drugs Ther 1989 Mar;3(1):19–20 (5 ref.)
Can new inodilators displace digitalis in the therapy of congestive heart failure? Kumada T, et al.
Cardiovasc Drugs Ther 1989 Jan;2(6):751–5 (50 ref.)
The use of digitalis for the treatment of congestive heart failure: a tale of its decline and resurrection. Marcus FI.
Cardiovasc Drugs Ther 1989 Aug;3(4):473–6 (35 ref.)
The rationale for combined use of diuretics, digitalis, and vasodilators in congestive heart failure. Smith TW, et al.
Cardiovasc Drugs Ther 1989 Mar;3(1):13–7 (30 ref.)
[Digitalis therapy in the aged] Erdmann E.
Verh Dtsch Ges Inn Med 1990;96:258–65 (17 ref.) **(Ger)**

DIGLYCERIDES

BIOSYNTHESIS

The mechanism of action of interleukin-1: a cytokine acting through glycosyl-phosphatidylinositol hydrolysis? Dobson PR, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:170–5 (19 ref.)
Hormonal regulation of phosphatidylcholine breakdown. Exton JH. **Adv Second Messenger Phosphoprotein Res** 1990; 24:152–7 (41 ref.)

METABOLISM

Kinetic and molecular species analyses of mitogen-induced increases in diglycerides: evidence for stimulated hydrolysis of phosphoinositides and phosphatidylcholine. Raben DM, et al. **J Cell Biochem** 1990 Oct;44(2):117–25 (23 ref.)
Regulation of the metabolism of 1,2-diacylglycerols and inositol phosphates that respond to receptor activation. Shears SB. **Pharmacol Ther** 1991;49(1–2):79–104 (252 ref.)
The old and the new in transformed cell signalling: glycolysis, diacylglycerol and protein kinase C. Chiarugi V, et al. **Second Messengers Phosphoproteins** 1990; 13(1):69–85 (86 ref.)

DIGOXIN

ADMINISTRATION & DOSAGE

How to digitalize and to maintain optimal digoxin levels in congestive heart failure. Lambert C, et al.
Cardiovasc Drugs Ther 1989 Jan;2(6):717–26 (68 ref.)

METABOLISM

[Interaction between calcium antagonists and digoxin] Christensen C. **Ugeskr Laeger** 1991 Apr 22;153(17):1180–4 (30 ref.) (Eng. Abstr.) **(Dan)**

PHARMACOKINETICS

Pharmacokinetic drug interactions between digoxin and antiarrhythmic agents and calcium channel blocking agents: an appraisal of study methodology. Antman EM, et al.
Cardiovasc Drugs Ther 1987 Aug;1(2):183–9 (64 ref.)

POISONING

Risk factors and manifestations of digoxin toxicity in the elderly. Wofford JL, et al. **Am J Emerg Med** 1991 Mar; 9(2 Suppl 1):11–5; discussion 33–4 (68 ref.)
Digitalis intoxication recognition and management. Dick M, et al. **J Clin Pharmacol** 1991 May;31(5):444–7 (29 ref.)

THERAPEUTIC USE

Digoxin for atrial fibrillation: a drug whose time has gone? [see comments] Falk RH, et al. **Ann Intern Med** 1991 Apr 1;114(7):573–5 (22 ref.) Comment in: Ann Intern Med 1991 Jun 1;114(11):993.
Why different trials on digitalis give conflicting data. Jaeschke R, et al. **Cardiovasc Drugs Ther** 1989 Jan; 2(6):727–31 (12 ref.)
The Captopril-Digoxin Multicenter Research Group study on the comparative steps of captopril and digoxin in patients with mild-moderate heart failure: implications for therapy. Pitt B, et al. **Cardiovasc Drugs Ther** 1989 Mar; 3(1):7–9 (14 ref.)
Digoxin--a redundant drug in congestive cardiac failure. Poole-Wilson PA, et al. **Cardiovasc Drugs Ther** 1989 Jan; 2(6):733–41 (50 ref.)
Does digoxin have a place in the treatment of the child with congenital heart disease? Redington AN, et al.
Cardiovasc Drugs Ther 1989 Mar;3(1):21–4 (21 ref.)
Understanding digoxin use in the elderly patient. Tsang P, et al. **Clin Lab Med** 1990 Sep;10(3):479–92 (50 ref.)

5,12-DIHETE see **LEUKOTRIENES B**

DIHYDROERGOTAMINE

ADVERSE EFFECTS

[Tongue necrosis disclosing Horton's disease. Role of an associated ergotism (letter)] Saveuse H, et al.
Ann Med Interne (Paris) 1990;141(7):635–7 (37 ref.) **(Fre)**

DIHYDROFOLATE DEHYDROGENASE see **TETRAHYDROFOLATE DEHYDROGENASE**

DIHYDROFOLATE REDUCTASE see **TETRAHYDROFOLATE DEHYDROGENASE**

O-DIHYDROXYBENZENES see **CATECHOLS**

P-DIHYDROXYBENZENES see **HYDROQUINONES**

1 ALPHA,25-DIHYDROXYCHOLECALCIFEROL see **CALCITRIOL**

1,25-DIHYDROXYCHOLECALCIFEROL see **CALCITRIOL**

DIHYDROXYETHANES see **ETHYLENE GLYCOLS**

DIHYDROXYPHENYLALANINE see **DOPA**

3,4-DIHYDROXYPHENYLSERINE

THERAPEUTIC USE

[Recent progress in treatment of Parkinson's disease] Narabayashi H. **Nippon Rinsho** 1990 Dec;48(12):2943–50 (16 ref.) **(Jpn)**

1 ALPHA,25-DIHYDROXYVITAMIN D3 see **CALCITRIOL**

1,25-DIHYDROXYVITAMIN D3 see **CALCITRIOL**

DIIODOTYROSINE RECEPTORS see **RECEPTORS, THYROID HORMONE**

DIISOCYANATOTOLUENE see **TOLUENE DIISOCYANATE**

DILATATION

see related
BALLOON DILATATION

DILATATION, BALLOON see **BALLOON DILATATION**

DILATATION, TRANSLUMINAL ARTERIAL see **ANGIOPLASTY, TRANSLUMINAL**

DILATED CARDIOMYOPATHY see **CARDIOMYOPATHY, CONGESTIVE**

DILTIAZEM

PHARMACOLOGY

[Calcium antagonists and the digestive system] Kula Z, et al. **Wiad Lek** 1990 Jun 15;43(12):578–82 (40 ref.) **(Pol)**

POISONING

Noncardiogenic pulmonary edema complicating massive diltiazem overdose. Humbert VH Jr, et al. **Chest** 1991 Jan; 99(1):258–9 (14 ref.)

THERAPEUTIC USE

Sexual headaches: case report, review, and treatment with calcium blocker. Akpunonu BE, et al. **Headache** 1991 Mar; 31(3):141–5 (48 ref.)
Management of non-Q-wave myocardial infarction: role of diltiazem versus beta-blocker therapy. Boden WE.
J Cardiovasc Pharmacol 1990;16 Suppl 6:S55–60 (35 ref.)
Diltiazem in ischemia-induced and reperfusion arrhythmias. Burckhardt D. **J Cardiovasc Pharmacol** 1990;16 Suppl 6:S36–9 (24 ref.)
Sustained-release diltiazem and prevention of cardiovascular risk in hypertensive patients. Djian J.
J Cardiovasc Pharmacol 1990;16 Suppl 1:S20–7 (30 ref.)

DIMERCAPROL

ADVERSE EFFECTS

[Fatal hepatic necrosis due to a treatment course of rheumatoid arthritis with gold salts] Van Linthoudt D, et al. **Schweiz Med Wochenschr** 1991 Jul 27;121(30):1099–102 (38 ref.) (Eng. Abstr.) **(Fre)**

DIMERCAPTOSUCCINIC ACID

DIAGNOSTIC USE

99Tcm(V) DMSA: what is its current role in the management of patients with head and neck cancer? [editorial] [published erratum appears in Nucl Med Commun 1991 May;12(5):469] Watkinson J, et al. **Nucl Med Commun** 1991 Feb;12(2):79–82 (17 ref.)

PHARMACOLOGY

Antidotal effects of dimercaptosuccinic acid. Ding GS, et al. **J Appl Toxicol** 1991 Feb;11(1):7–14 (151 ref.)

DIMETHYL SULFOXIDE

PHARMACOLOGY

The diverse actions of dimethyl sulphoxide: an indicator of membrane transport activity. Neulieb RL, et al.
Cytobios 1990;63(254–255):139–65 (155 ref.)
Human cytomegalovirus: cellular function(s) required for virus replication. Tanaka J, et al. **Microbiol Sci** 1985 Dec; 2(12):353–4, 357–8 (29 ref.)

THERAPEUTIC USE

[The use of dimethylsulfoxide in rheumatic diseases (a review of the literature)] Lapshin DE, et al. **Vrach Delo** 1991 Jan; (1):14–9 (59 ref.) **(Rus)**
[Interstitial cystitis: drug therapy] Piña Vera MJ, et al.
Actas Urol Esp 1990 May-Jun;14(3):165–71 (87 ref.) (Eng. Abstr.) **(Spa)**

7,12-DIMETHYLBENZANTHRACENE see **9,10-DIMETHYL-1,2-BENZANTHRACENE**

9,10-DIMETHYL-1,2-BENZANTHRACENE

ADMINISTRATION & DOSAGE

Follow-up by 31P NMR spectroscopy of the energy metabolism of malignant tumor in rats during treatment. Allavena C, et al. **Radiother Oncol** 1991 May;21(1):48–52 (30 ref.)

METABOLISM

Metabolism and toxicity of xenobiotics in the adrenal cortex, with particular reference to 7,12-dimethylbenz(a)anthracene. Hallberg E.
J Biochem Toxicol 1990 Summer;5(2):71–90 (220 ref.)

DIMETHYLCYSTEINE see **PENICILLAMINE**

DIMETHYLGUANYLGUANIDINE see **METFORMIN**

DIMETHYLNITROSAMINE

PHARMACOKINETICS

[Biotransformation of dimethylnitrosamine] Fournier P.
J Toxicol Clin Exp 1990 Sep-Oct;10(5):283–96 (104 ref.) (Eng. Abstr.) **(Fre)**

DIMETHYLSEROTONIN see **BUFOTENIN**

DIMETHYLTRYPTAMINE see **N,N-DIMETHYLTRYPTAMINE**

N,N-DIMETHYLTRYPTAMINE

PHARMACOKINETICS

Observations on the metabolism of the psychotomimetic indolealkylamines: implications for future clinical studies. Sitaram BR, et al. **Biol Psychiatry** 1990 Nov 15; 28(10):841–8 (19 ref.)

DIMEXIDE see **DIMETHYL SULFOXIDE**

DINOFLAGELLIDA

GROWTH & DEVELOPMENT

Growth physiology of red-tide microorganisms. Iwasaki H.
Microbiol Sci 1984 Oct;1(7):179–82 (26 ref.)

DINOPROST

ADMINISTRATION & DOSAGE

Australian clinical trials with prostaglandins E2 and F2 alpha to induce labour. MacLennan AH. **Reprod Fertil Dev** 1990; 2(5):557–61 (13 ref.)

CHEMISTRY

Chirality and its importance in drug development: a synthetic chemist's perspective. Roberts SM. **Biochem Soc Trans** 1991 Apr;19(2):446–53 (26 ref.)

PHARMACOLOGY

Use of prostaglandin F2 alpha for early pregnancy termination in the mismated bitch. Romagnoli SE, et al.
Vet Clin North Am Small Anim Pract 1991 May; 21(3):487–99 (40 ref.)

PHYSIOLOGY

Prostaglandins: a key factor in human labor. Geirsson RT, et al. **Acta Obstet Gynecol Scand** 1990;69(5):371–3 (7 ref.)

DINOPROSTONE

ADMINISTRATION & DOSAGE

Prostaglandins as therapy for labour induction or therapeutic

DINOPROSTONE

abortion. Calder AA. **Reprod Fertil Dev** 1990;2(5):553–6 (8 ref.)
Australian clinical trials with prostaglandins E2 and F2 alpha to induce labour. MacLennan AH. **Reprod Fertil Dev** 1990; 2(5):557–61 (13 ref.)
Use of prostaglandins for induction of labor. Husslein P. **Semin Perinatol** 1991 Apr;15(2):173–81 (59 ref.)

PHARMACOLOGY

Chondrocyte mediated cartilage degradation: regulation by prostaglandin E2, cyclic AMP and interferon alpha. Steinberg JJ, et al. **J Rheumatol Suppl** 1991 Feb;27:63–5 (27 ref.)
Triple signal transduction model for the mechanism of PGE2 actions in rabbit cortical collecting duct. Hébert RL, et al. **Prostaglandins Leukot Essent Fatty Acids** 1991 Mar; 42(3):143–8 (36 ref.)

PHYSIOLOGY

Prostaglandins: a key factor in human labor. Geirsson RT, et al. **Acta Obstet Gynecol Scand** 1990;69(5):371–3 (7 ref.)
The role of prostaglandins and ovarian hormones in the regulation of human uterine contractility. Bygdeman M, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991;21B:799–806 (14 ref.)
Molecular mechanisms of sleep-wake regulation: roles of prostaglandins D2 and E2. Hayaishi O. **FASEB J** 1991 Aug; 5(11):2575–81 (53 ref.)
Cellular mechanisms of prostaglandin E2 and vasopressin interactions in the collecting duct. Breyer MD, et al. **Kidney Int** 1990 Oct;38(4):618–24 (46 ref.)

THERAPEUTIC USE

Comparative efficacy of intravaginal prostaglandin E2 in the gel and suppository forms for cervical ripening. Gauger LJ, et al. **DICP** 1991 May;25(5):456–60 (28 ref.)

DINUCLEOSIDE DIPHOSPHATES see **DINUCLEOSIDE PHOSPHATES**

DINUCLEOSIDE MONOPHOSPHATES see **DINUCLEOSIDE PHOSPHATES**

DINUCLEOSIDE OLIGOPHOSPHATES see **DINUCLEOSIDE PHOSPHATES**

DINUCLEOSIDE PHOSPHATES

METABOLISM

DNA methylation and chromatin structure. Lewis J, et al. **FEBS Lett** 1991 Jul 22;285(2):155–9 (23 ref.)

DINUCLEOSIDE TETRAPHOSPHATES see **DINUCLEOSIDE PHOSPHATES**

DINUCLEOSIDE TRIPHOSPHATES see **DINUCLEOSIDE PHOSPHATES**

DIOCTOPHYMA see **NEMATODA**

DIOCTYL PHTHALATE see **DIETHYLHEXYL PHTHALATE**

DIOXINS

Some laboratory experimental designs for obtaining dynamic property data on dioxins. Altwicker ER.
Sci Total Environ 1991 May 1;104(1–2):47–72 (57 ref.)

ADVERSE EFFECTS

[The real and unreal dangers of dioxins] Müller HE.
Dtsch Med Wochenschr 1991 May 17;116(20):786–93 (34 ref.) **(Ger)**
[New experiences strengthen the connection between dioxins, phenoxy acids and malignant tumors] Eriksson M, et al. **Lakartidningen** 1991 Jun 12;88(24):2210–1 (23 ref.) **(Swe)**

ANALYSIS

Environmentally stable chlorinated contaminants from the pulp and paper industry. Rappe C. **IARC Sci Publ** 1990; (104):341–53 (17 ref.)
Role of FDA in establishing tolerable levels for dioxin and PCBs in aquatic organisms. Boyer IJ, et al.
J Toxicol Environ Health 1991 May;33(1):93–101 (21 ref.)
[Polychlorinated dibenzodioxins and dibenzofurans in water, sediment and soil. A general overview of the pollution status] Christmann W.
Schriftenr Ver Wasser Boden Lufthyg 1990;82:71–82 (9 ref.) **(Ger)**

CHEMICAL SYNTHESIS

Synthesis, properties and prodrug potential of 2-methyl-2-oxy- and 2-methyl-2-thio-4H-1,3-benzodioxin-4-ones. Ankersen M, et al. **Acta Chem Scand** 1989 Mar;43(3):213–21 (34 ref.)

CHEMISTRY

Atmospheric lifetimes of dibenzo-p-dioxins and dibenzofurans. Atkinson R. **Sci Total Environ** 1991 May 1;104(1–2):17–33 (71 ref.)

TOXICITY

The Ah receptor and the mechanism of dioxin toxicity. Landers JP, et al. **Biochem J** 1991 Jun 1;276 (Pt 2):273–87 (239 ref.)
Polychlorinated biphenyls (PCBs), dibenzo-p-dioxins (PCDDs), dibenzofurans (PCDFs), and related compounds: environmental and mechanistic considerations which support the development of toxic equivalency factors (TEFs). Safe S. **Crit Rev Toxicol** 1990;21(1):51–88 (387 ref.)
Natural carcinogens and dioxin. Ames BN.
Sci Total Environ 1991 May 1;104(1–2):159–66 (9 ref.)
Human health effects: what the data indicate. Gough M.
Sci Total Environ 1991 May 1;104(1–2):129–58 (92 ref.)
Human exposure to dioxin. Travis CC, et al.
Sci Total Environ 1991 May 1;104(1–2):97–127 (113 ref.)

DIPEPTIDES

ADMINISTRATION & DOSAGE

Dipeptides in clinical nutrition. Fürst P, et al.
Proc Nutr Soc 1990 Oct;49(3):343–59 (54 ref.)

PHARMACOLOGY

Clinical pharmacology of enalkiren, a novel, dipeptide renin inhibitor. Glassman HN, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 4:S76–81 (15 ref.)

DIPHENHYDRAMINE

ADVERSE EFFECTS

Diphenhydramine toxicity in three children with varicella-zoster infection. Chan CY, et al. **DICP** 1991 Feb; 25(2):130–2 (17 ref.)

DIPHENOL OXIDASES

METABOLISM

The prophenoloxidase cascade in insect immunity. Ashida M. **Res Immunol** 1990 Nov-Dec;141(9):908–10 (4 ref.)

PHYSIOLOGY

The proPO-system and associated proteins; role in cellular communication in arthropods. Söderhäll K, et al.
Res Immunol 1990 Nov-Dec;141(9):896–907 (67 ref.)

DIPHENOXYLATE

POISONING

Diphenoxylate-atropine (Lomotil) overdose in children: an update (report of eight cases and review of the literature). McCarron MM, et al. **Pediatrics** 1991 May;87(5):694–700 (27 ref.)

DIPHENYLHYDANTOIN see **PHENYTOIN**

DIPHENYLHYDRAMIN see **DIPHENHYDRAMINE**

DIPHENYLMETHYL COMPOUNDS see **BENZHYDRYL COMPOUNDS**

DIPHOSPHATIDYLGLYCEROLS see **CARDIOLIPINS**

DIPHOSPHONATES

PHARMACOLOGY

Pamidronate. A review of its pharmacological properties and therapeutic efficacy in resorptive bone disease. Fitton A, et al. **Drugs** 1991 Feb;41(2):289–318 (148 ref.)
The cellular mechanism of action of bisphosphonates. Hughes DE, et al. **Drugs Exp Clin Res** 1991;17(2):109–14 (35 ref.)

THERAPEUTIC USE

1,25-Dihydroxyvitamin D-related hypercalcemia in lymphoma: two case reports. Devogelaer JP, et al.
Clin Rheumatol 1990 Sep;9(3):404–10 (39 ref.)
Bisphosphonate therapy for osteoporosis. Attie MF.
Hosp Pract [Off] 1991 Mar 30;26(3A):87–90 (4 ref.)
[Diphosphonates in the treatment of osteoporosis] Papapoulos SE, et al. **Ned Tijdschr Geneeskd** 1991 Mar 30;135(13):553–6 (18 ref.) **(Dut)**
[Possibilities of diphosphonates in the therapy of bone diseases] Bonjour JP, et al. **Rev Med Suisse Romande** 1990 Aug;110(8):691–4 (26 ref.) **(Fre)**

DIPHOSPHOPYRIDINE NUCLEOTIDE see **NAD**

DIPHTHERIA-PERTUSSIS-TETANUS VACCINE see **DIPHTHERIA-TETANUS-PERTUSSIS VACCINE**

DIPHTHERIA-TETANUS-PERTUSSIS VACCINE

New developments in vaccines. Daum RS, et al.
Adv Pediatr Infect Dis 1991;6:1–57 (243 ref.)

ADVERSE EFFECTS

Market share liability for pharmaceuticals. The distinction between DES and DPT. Fern FH, et al. **J Leg Med** 1990 Dec;11(4):391–426 (185 ref.)
Diphtheria-tetanus-pertussis vaccine and serious neurologic illness: an updated review of the epidemiologic evidence. Wentz KR, et al. **Pediatrics** 1991 Mar;87(3):287–97 (39 ref.)

DIPHTHERIA TOXIN

CHEMISTRY

Structure-activity relationships in diphtheria toxin and Pseudomonas aeruginosa exotoxin A. Collier RJ.
Cancer Treat Res 1988;37:25–35 (51 ref.)

GENETICS

Diphtheria-related peptide hormone gene fusions: a molecular genetic approach to chimeric toxin development. Murphy JR. **Cancer Treat Res** 1988;37:123–40 (51 ref.)
Genetic engineering of immunotoxins. Youle RJ, et al.
Cancer Treat Res 1988;37:113–22 (48 ref.)

METABOLISM

Translocation of diphtheria toxin to the cytosol and formation of cation selective channels. Olsnes S, et al.
J Physiol (Paris) 1990;84(3):191–6 (34 ref.)

DIPHYLLOBOTHRIASIS

PARASITOLOGY

[Diphyllobothriasis in the Far East of the USSR] Muratov IV. **Med Parazitol (Mosk)** 1990 Nov-Dec;(6):54–8 (110 ref.) (Eng. Abstr.) **(Rus)**

DIPLOCOCCUS PNEUMONIAE see **STREPTOCOCCUS PNEUMONIAE**

DIPLOIDY

Haplodiploidy in the Oxyurida: decoupling the evolutionary processes of adaptation and speciation. Adamson ML.
Ann Parasitol Hum Comp 1990;65 Suppl 1:31–5 (22 ref.)

DIPROPYL ACETATE see **VALPROIC ACID**

DIPTERA

Chrysomya megacephala (Diptera: Calliphoridae) has reached the continental United States: review of its biology, pest status, and spread around the world. Wells JD.
J Med Entomol 1991 May;28(3):471–3 (32 ref.)
Establishment of the Mediterranean fruit fly in California. Carey JR. **Science** 1991 Sep 20;253(5026):1369–73 (16 ref.)
[Importation of animal and human tropical myiasis by Cochliomyia hominivorax (Coquerel) in Libya (diptera: Calliphoridae)] Leclercq M. **Rev Med Liege** 1990 Sep; 45(9):452–7 (39 ref.) **(Fre)**

ANALYSIS

Forensic toxicology and insects: a minireview. Pahwa R.
Vet Hum Toxicol 1991 Jun;33(3):272–3 (13 ref.)

IMMUNOLOGY

Prospects for the control of sheep blowfly strike by vaccination. Sandeman RM. **Int J Parasitol** 1990 Jul; 20(4):537–41 (27 ref.)

ISOLATION & PURIFICATION

Infection by the warble fly Przhevalskiana silenus Brauer, 1858, in the Italian goats. An update up to 1988. Tassi P, et al. **Parassitologia** 1989 Aug-Dec;31(2-3):239–50 (55 ref.)

PHYSIOLOGY

Comparative developmental physiology and molecular cytology of the polytrophic ovarian follicles of the blowfly Sarcophaga bullata and the fruitfly Drosophila melanogaster. De Loof A, et al.
Comp Biochem Physiol [A] 1990;96(2):309–21 (91 ref.)
[The status and outlook of the study of blood-sucking Diptera in the Urals and adjacent territories] Mukanov SM.
Med Parazitol (Mosk) 1990 May-Jun;(3):49–51 (51 ref.) (Eng. Abstr.) **(Rus)**

DIPYLIDIASIS see **CESTODE INFECTIONS**

DIPYRIDAMOLE

DIAGNOSTIC USE

Single-photon emission computed tomographic thallium imaging with adenosine, dipyridamole, and exercise. Iskandrian AS. **Am Heart J** 1991 Jul;122(1 (Pt 1)):279–84; discussion 302–6 (10 ref.)
Dipyridamole-echocardiography test: a new tool for the diagnosis of coronary artery disease. Picano E, et al.
Arq Bras Cardiol 1990 Mar;54(3):179–87 (61 ref.)

Dipyridamole echocardiography. A new diagnostic window on coronary artery disease. Picano E, et al. **Circulation** 1991 May;83(5 Suppl):III19–26 (67 ref.)
Intravenous dipyridamole thallium-201 SPECT imaging methodology, applications, and interpretations. Rockett JF, et al. **Clin Nucl Med** 1990 Oct;15(10):712–25 (59 ref.)
Pharmacologic stress imaging. Beller GA. **JAMA** 1991 Feb 6;265(5):633–8 (69 ref.)
Pharmacological and other nonexercise alternatives to exercise testing to evaluate myocardial perfusion and left ventricular function with radionuclides. DePuey EG, et al. **Semin Nucl Med** 1991 Apr;21(2):92–101 (67 ref.)
[Dipyridamole stress test] Yasui S, et al. **Kokyu To Junkan** 1990 Oct;38(10):971–80 (105 ref.) **(Jpn)**

PHARMACOLOGY

Dipyridamole thallium imaging. Beer SG, et al. **Am J Cardiol** 1991 May 21;67(14):18D–26D (83 ref.)
Modulation of cytotoxic drug activity by dipyridamole. Schmoll HJ, et al. **Cancer Treat Rev** 1990 Dec;17 Suppl A:57–65 (45 ref.)
An overview of dipyridamole. Mammen EF. **Thromb Res Suppl** 1990;12:1–3 (14 ref.)

THERAPEUTIC USE

Synergistic drug combinations in AIDS therapy. Dipyridamole/3'-azido-3'-deoxythymidine in particular and principles of analysis in general. Weinstein JN, et al. **Ann N Y Acad Sci** 1990;616:367–84 (68 ref.)
A review of secondary coronary prevention with dipyridamole and aspirin. Prentice CR. **Thromb Res Suppl** 1990;12:43–9 (11 ref.)
[Anticoagulant or antiplatelet aggregation treatment after aortocoronary bypass] Sagnol P, et al. **Presse Med** 1991 Feb 23;20(7):287–90 (25 ref.) **(Fre)**

DIRECT LYTIC FACTORS

CHEMISTRY

Do cardiotoxins possess a functional site? Structural and chemical modification studies reveal the functional site of the cardiotoxin from Naja nigricollis. Ménez A, et al. **Biochimie** 1990 Aug;72(8):575–88 (96 ref.)

DIRECT REPEAT see **REPETITIVE SEQUENCES, NUCLEIC ACID**

DIROFILARIA IMMITIS

IMMUNOLOGY

Immunologic relevance of the cuticle and epicuticle of larval Dirofilaria immitis and Toxocara canis. Grieve RB. **Acta Trop (Basel)** 1990 Jul;47(5–6):399–402 (11 ref.)

DIROFILARIASIS

ETIOLOGY

Human subcutaneous dirofilariasis caused by Dirofilaria repens. Report of a case in Norway and review of recent literature. Settnes OP, et al. **APMIS** 1991 Apr;99(4):364–70 (46 ref.)

DISABILITY EVALUATION

The assessment of work-related activities and limitations in knee disorders. Noyes FR, et al. **Am J Sports Med** 1991 Mar–Apr;19(2):178–88 (20 ref.)
Assessing disability from occupational asthma. A perspective on the AMA guides. Harber P. **Chest** 1990 Nov;98(5 Suppl):232S–235S (6 ref.)
Anthropometry of the elderly: status and recommendations. Kelly PL, et al. **Hum Factors** 1990 Oct;32(5):571–95 (100 ref.)
Hearing compensation evaluation. Melnick W, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):391–402 (15 ref.)
["Expected motivation" in managing illness. A difficult social medicine-forensic problem] Aschoff JC. **Versicherungsmedizin** 1991 Feb 1;43(1):5–9 (26 ref.) (Eng. Abstr.) **(Ger)**
[Soft tissue pain and psychiatric evaluation] Marelli R. **Z Unfallchir Versicherungsmed** 1991;84(1):34–42 (14 ref.) (Eng. Abstr.) **(Ger)**

DISABILITY, PHYSICAL see **HANDICAPPED**

DISABLED see **HANDICAPPED**

DISACCHARIDES

ANALYSIS

Pancarcinoma T and Tn epitopes: autoimmunogens and diagnostic markers that reveal incipient carcinomas and help establish prognosis. Springer GF, et al. **Immunol Ser** 1990;53:587–612 (137 ref.)

DISASTER PLANNING

ABC of major trauma. Major accidents. Miles S. **BMJ** 1990 Oct 20;301(6757):919–23 (0 ref.)
Manmade disasters. Leonard RB, et al. **Crit Care Clin** 1991 Apr;7(2):293–320 (47 ref.)
Treating exposure to chemical warfare agents: implications for health care providers and community emergency planning. Munro NB, et al. **Environ Health Perspect** 1990 Nov;89:205–15 (63 ref.)
Disaster planning and response. Waeckerle JF. **N Engl J Med** 1991 Mar 21;324(12):815–21 (49 ref.)
[First aid for severely injured patients in mass accidents] Hartel W, et al. **Chirurg** 1991 Apr;62(4):233–8 (15 ref.) **(Ger)**

METHODS

[Clinical management problems in mass accidents] Friedl HP, et al. **Chirurg** 1991 Apr;62(4):239–42 (10 ref.) (Eng. Abstr.) **(Ger)**
[Mass accidents from the anesthesiologic viewpoint] Tassani P, et al. **Chirurg** 1991 Apr;62(4):243–6 (17 ref.) **(Ger)**
[The planning of medical support for operations to eliminate the aftereffects of large-scale radiation accidents (a review of the literature] Lisovskiĭ IV, et al. **Voen Med Zh** 1991 Jan;(1):24–7 (16 ref.) **(Rus)**

ORGANIZATION & ADMINISTRATION

[Organization and rendering medical services in peace-time disasters] Tsybuliak GN. **Vestn Khir** 1990 Jul;145(7):132–5 (17 ref.) **(Rus)**

DISASTERS

Psychological intervention for victims and helpers after disasters. Alexander DA. **Br J Gen Pract** 1990 Aug; 40(337):345–8 (20 ref.)
Post-traumatic stress disorder in disaster survivors. North CS, et al. **Compr Ther** 1990 Dec;16(12):3–9 (40 ref.)
Nutritional and metabolic support. Burzstein S, et al. **Crit Care Clin** 1991 Apr;7(2):451–61 (24 ref.)
Renal failure in disasters. Collins AJ, et al. **Crit Care Clin** 1991 Apr;7(2):421–35 (29 ref.)
Trauma anesthesia for disasters. Anything, anytime, anywhere. Grande CM, et al. **Crit Care Clin** 1991 Apr; 7(2):339–61 (41 ref.)
Pediatric disaster medicine. Holbrook PR. **Crit Care Clin** 1991 Apr;7(2):463–70 (31 ref.)
Manmade disasters. Leonard RB, et al. **Crit Care Clin** 1991 Apr;7(2):293–320 (47 ref.)
Assessment of prehospital and hospital response in disaster. Ricci E, et al. **Crit Care Clin** 1991 Apr;7(2):471–84 (33 ref.)
Clinical algorithm for initial fluid resuscitation in disasters. Shoemaker WC, et al. **Crit Care Clin** 1991 Apr;7(2):363–81 (28 ref.)
Infections and sepsis in disasters. Steinberg SM, et al. **Crit Care Clin** 1991 Apr;7(2):437–50 (26 ref.)
Triage of disaster-related neuropsychiatric casualties. Burkle FM Jr. **Emerg Med Clin North Am** 1991 Feb;9(1):87–105 (85 ref.)
The epidemiology of health effects of disasters. Lechat MF. **Epidemiol Rev** 1990;12:192–8 (49 ref.)
Worksite behavioral research. Results, sensitive methods, test batteries and the transition from laboratory data to human health. Anger WK. **Neurotoxicology** 1990 Winter; 11(4):627–717 (411 ref.)
Famine: a perspective for the nutrition community. Field JO. **Nutr Rev** 1991 May;49(5):144–52 (30 ref.)
[Organization and rendering medical services in peace-time disasters] Tsybuliak GN. **Vestn Khir** 1990 Jul;145(7):132–5 (17 ref.) **(Rus)**
[The organization of medical first aid in catastrophes] Gazetov BM, et al. **Voen Med Zh** 1990 Oct;(10):17–20 (0 ref.) **(Rus)**
[Disaster medicine and the military medical aspect of the problem of shock] Sherman DM. **Voen Med Zh** 1991 May; (5):11–5 (44 ref.) **(Rus)**

PREVENTION & CONTROL

Technological disasters—towards a preventive strategy: a review. Andersson N. **Trop Doct** 1991;21 Suppl 1:70–81 (93 ref.)

DISCHARGE PLANNING see **PATIENT DISCHARGE**

DISCITIS

ETIOLOGY

Kingella kingae intervertebral disk infection. Amir J, et al. **J Clin Microbiol** 1991 May;29(5):1083–6 (40 ref.)
[Infection by the hematogenic route of closed vertebral fracture: apropos of a case and review of the literature] Rombouts-Godin V, et al. **Rev Chir Orthop** 1990; 76(8):591–7 (33 ref.) (Eng. Abstr.) **(Fre)**
[Spondylodiscitis in kyphotic deformity of ankylosing spondylitis and its healing affected by dorsal correction osteotomies. Report of 33 patients] Hehne HJ, et al. **Z Orthop** 1990 Sep–Oct;128(5):494–502 (68 ref.) (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Aspergillus infection of the L3–L4 disc space in an immunosuppressed heart transplant patient. Castelli C, et al. **Spine** 1990 Dec;15(12):1369–73 (22 ref.)
[Candida spondylodiscitis. Report of 2 personal cases and 28 cases from the literature] Collet P, et al. **Rev Med Interne** 1989 Sep–Oct;10(5):413–9 (31 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Imaging of infections of the locomotor apparatus] Garcia J. **J Radiol** 1990 Dec;71(12):641–55 (23 ref.) **(Fre)**

SURGERY

Indications for and results of operative treatment of spondylitis and spondylodiscitis. Krödel A, et al. **Arch Orthop Trauma Surg** 1991;110(2):78–82 (29 ref.)

DISCLOSURE, TRUTH see **TRUTH DISCLOSURE**

DISCOLYSIS see **INTERVERTEBRAL DISK CHEMOLYSIS**

DISCRETE SUBAORTIC STENOSIS see **AORTIC VALVE STENOSIS**

DISCRETIONARY ADJUSTMENT FACTOR see **PROSPECTIVE PAYMENT SYSTEM**

DISCRIMINATION (PSYCHOLOGY)

Visual discrimination learning in binocularly deprived cats: 20 years of studies in the Nencki Institute. Zernicki B. **Brain Res Brain Res Rev** 1991 Jan–Apr;16(1):1–13 (59 ref.)

DISCRIMINATION LEARNING

Perspectives on relational learning in mental retardation. Green G, et al. **Am J Ment Retard** 1990 Nov;95(3):249–59 (55 ref.)
Attentional functioning and relational learning. Soraci SA Jr, et al. **Am J Ment Retard** 1990 Nov;95(3):304–15 (42 ref.)
Past, current, and future trends in infant face perception research. Nelson CA, et al. **Can J Psychol** 1989 Jun; 43(2):183–98 (80 ref.)
The infant's use of visual and haptic information in the perception and recognition of objects. Ruff HA. **Can J Psychol** 1989 Jun;43(2):302–19 (80 ref.)
New approaches to the study of comparative cognition. Kesner RP. **NIDA Res Monogr** 1990;97:22–36 (33 ref.)
Half a century of research on the Stroop effect: an integrative review. MacLeod CM. **Psychol Bull** 1991 Mar; 109(2):163–203 (425 ref.)
Differing approaches to two-dimensional shape recognition. Quinlan PT. **Psychol Bull** 1991 Mar;109(2):224–41 (140 ref.)
[Global predominance in object recognition: artefact or treatment rule?] Paquet L. **Can J Psychol** 1991 Mar; 45(1):37–53 (75 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Rate of maturation of the hippocampus and the developmental progression of children's performance on the delayed non-matching to sample and visual paired comparison tasks. Diamond A. **Ann N Y Acad Sci** 1990; 608:394–426; discussion 426–33 (106 ref.)
Performance on traditional matching to sample, non-matching to sample, and object discrimination tasks by 12- to 32-month-old children. A developmental progression. Overman WH. **Ann N Y Acad Sci** 1990; 608:365–85; discussion 385–93 (34 ref.)

DISEASE

Red blood cell insulin receptors in health and disease. Gambhir KK, et al. **Biochem Med Metab Biol** 1991 Apr; 45(2):133–53 (176 ref.)
Headache as an initial manifestation of systemic disease. Coodley EL. **Funct Neurol** 1990 Oct–Dec;5(4):371–3 (14 ref.)
Nociceptive reflexes and the somatic dysfunction: a model. Van Buskirk RL. **J Am Osteopath Assoc** 1990 Sep; 90(9):792–4, 797–809 (74 ref.)
New views on periodontal microbiota in special patient categories. Slots J, et al. **J Clin Periodontol** 1991 Jul; 18(6):411–20 (137 ref.)
Psychiatric disorders in the medically ill. Wise MG, et al. **J La State Med Soc** 1990 Oct;142(10):31–4 (13 ref.)
Report of the COMA panel on dietary sugars and human disease: discussion paper [see comments] Yudkin J. **J R Soc Med** 1990 Oct;83(10):627–8 (12 ref.) Comment in: J R Soc Med 1991 Apr;84(4):246. Comment in: J R Soc Med 1991 May;84(5):320–1.
What getting sick means. Abumrad NN, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):157S–163S (54 ref.)
Microglia in human disease, with an emphasis on acquired immune deficiency syndrome. Dickson DW, et al. **Lab Invest** 1991 Feb;64(2):135–56 (217 ref.)
Role of free radicals and catalytic metal ions in human disease: an overview. Halliwell B, et al.

Methods Enzymol 1990;186:1–85 (595 ref.)
The temporality of illness: four levels of experience. Toombs SK. **Theor Med** 1990 Sep;11(3):227–41 (20 ref.)
[Latent alveolitis in systemic disease. The transition between the normal and the pathological] Wallaert B, et al. **Rev Mal Respir** 1990;7(1):17–25 (52 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Chemicals and environmentally caused diseases in developing countries. Jamall IS, et al. **Infect Dis Clin North Am** 1991 Jun;5(2):365–75 (52 ref.)
Mechanisms of neutrophil–mediated tissue injury. Anderson BO, et al. **J Surg Res** 1991 Aug;51(2):170–9 (122 ref.)
The nature/nurture controversy: spouse–likeness revisited. Cheraskin E. **Med Hypotheses** 1990 Nov;33(3):219–25 (68 ref.)
Principles behind practice. 6. Disease causation. The role of epidemiological evidence. Marley JE, et al. **Med J Aust** 1991 Jul 15;155(2):95–101 (14 ref.)
Influence of the menstrual cycle on systemic diseases. Boggess KA, et al. **Obstet Gynecol Clin North Am** 1990 Jun;17(2):321–42 (99 ref.)

PSYCHOLOGY

Psychological reaction to hospitalization and illness in the emergency department. Heiskell LE, et al. **Emerg Med Clin North Am** 1991 Feb;9(1):207–18 (45 ref.)
Culture, illness, and the biopsychosocial model. Burkett GL. **Fam Med** 1991 May–Jun;23(4):287–91 (31 ref.)
Sexual functioning in the medically ill patient. Wise TN. **Psychiatr Med** 1990;8(4):65–73 (50 ref.)

DISEASE MODELS, ANIMAL

Pathogenesis of glomerulonephritis: experimental models revisited. Hoedemaeker PJ, et al. **Adv Nephrol Necker Hosp** 1991;20:73–90 (100 ref.)
Transgenic mice in renal research. Striker LJ, et al. **Adv Nephrol Necker Hosp** 1991;20:91–108 (63 ref.)
Infection characteristics of Schistosoma japonicum in mice and relevance to the assessment of schistosome vaccines. Mitchell GF, et al. **Adv Parasitol** 1991;30:167–200 (185 ref.)
Model systems to study immunomodulation in domestic food animals. Roth JA, et al. **Adv Vet Sci Comp Med** 1990; 35:21–41 (95 ref.)
Modulating effects of calcium in animal models of colon carcinogenesis and short–term studies in subjects at increased risk for colon cancer. Wargovich MJ, et al. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):202S–205S (42 ref.)
Naturally occurring animal models of the acquired immune deficiency syndrome (AIDS). Letvin NL, et al. **Am J Physiol Imaging** 1991;6(1):1–15 (45 ref.)
Naturally acquired and experimental leprosy in nonhuman primates. Meyers WM, et al. **Am J Trop Med Hyg** 1991 Apr;44(4 Pt 2):24–7 (27 ref.)
Evidence for HIV–1 infection in rabbits. A possible model for AIDS. Gordon MR, et al. **Ann N Y Acad Sci** 1990; 616:270–80 (25 ref.)
Nonhuman primate models for evaluation of AIDS therapy. McClure HM, et al. **Ann N Y Acad Sci** 1990;616:287–98 (51 ref.)
Preclinical evaluation of antiviral compounds in the SCID–hu mouse. McCune JM, et al. **Ann N Y Acad Sci** 1990;616:281–6 (22 ref.)
Animal models of obesity: genetic aspects. Johnson PR, et al. **Annu Rev Nutr** 1991;11:325–53 (220 ref.)
Animal models of atherosclerosis. Armstrong ML, et al. **Atherosclerosis** 1990 Nov;85(1):15–23 (74 ref.)
Models of arterial aneurysm: for the investigation of pathogenesis and pharmacotherapy—a review. Powell J. **Atherosclerosis** 1991 Apr;87(2–3):93–102 (56 ref.)
Commentary: a behavioral, psychopharmacological, and neurochemical update on the Flinders Sensitive Line rat, a potential genetic animal model of depression. Overstreet DH. **Behav Genet** 1991 Jan;21(1):67–74 (24 ref.)
Transgenic models for haemopoietic malignancies. Adams JM, et al. **Biochim Biophys Acta** 1991 Apr 16;1072(1):9–31 (156 ref.)
Animal models: insights into osteoarthritis (OA) provided by the cruciate–deficient dog. Brandt KD. **Br J Rheumatol** 1991;30 Suppl 1:5–9 (30 ref.)
A dopamine deficiency model of Lesch–Nyhan disease—the neonatal–6–OHDA–lesioned rat. Breese GR, et al. **Brain Res Bull** 1990 Sep;25(3):477–84 (57 ref.)
Animal models of age–related dementia: neurobehavioral dysfunctions in autoimmune mice. Forster MJ, et al. **Brain Res Bull** 1990 Sep;25(3):503–16 (153 ref.)
Animal models of Lesch–Nyhan syndrome. Jinnah HA, et al. **Brain Res Bull** 1990 Sep;25(3):467–75 (104 ref.)
Dementia: animal models of the cognitive impairments following damage to the basal forebrain cholinergic system. Olton DS. **Brain Res Bull** 1990 Sep;25(3):499–502 (23 ref.)
Neural basis of behavior: animal models of human conditions. Sanberg PR, et al. **Brain Res Bull** 1990 Sep;25(3):447–51 (43 ref.)
Spontaneous tumors in dogs and cats: models for the study of cancer biology and treatment. MacEwen EG. **Cancer Metastasis Rev** 1990 Sep;9(2):125–36 (54 ref.)
The fruit fly Drosophila and the fish Xiphophorus as model systems for cancer studies. Mechler B. **Cancer Surv** 1990; 9(3):505–27 (94 ref.)
Experimental model systems for antibody targeting and radioimmunodetection. Blumenthal RD, et al. **Cancer Treat Res** 1990;51:29–52 (80 ref.)
Preclinical models and methods for the study of radiolabeled monoclonal antibodies in cancer diagnosis and therapy. Shah SA, et al. **Cancer Treat Res** 1990;51:53–96 (142 ref.)
Animal models for amyloidosis. Yang JH. **Clin Dermatol** 1990 Apr–Jun;8(2):102–7 (53 ref.)
Remitting–relapsing EAE in nonhuman primates: a valid model of multiple sclerosis. Rose LM, et al. **Clin Immunol Immunopathol** 1991 Apr;59(1):1–15 (79 ref.)
Animal models of chronic inflammatory arthritis. Magilavy DB. **Clin Orthop** 1990 Oct;(259):38–45 (67 ref.)
Animal models of opiate, cocaine, and cannabis use. Hutchings DE, et al. **Clin Perinatol** 1991 Mar;18(1):1–22 (55 ref.)
Effects of atrial natriuretic factor in ischemic renal injury: studies in the isolated erythrocyte–perfused rat kidney. Lieberthal W. **Clin Res** 1991 Apr;39(2):157–65 (30 ref.)
New therapeutic strategies in the treatment of murine diseases induced by virus and solid tumors: biology and implications for the potential treatment of human leukemia, AIDS, and solid tumors. Shen RN, et al. **Crit Rev Oncol Hematol** 1990; 10(3):253–65 (166 ref.)
Experimental models in sarcomas. Mankin H. **Curr Opin Oncol** 1990 Jun;2(3):500–4 (19 ref.)
Immunology, genetics, and animal models of the spondyloarthropathies. Taurog JD. **Curr Opin Rheumatol** 1990 Aug;2(4):586–91 (12 ref.)
Experimental oral carcinogenesis. A basic rat model for the study of oral carcinogenesis using the carcinogen 4–nitroquinoline 1–oxide. Fisker AV. **Dan Med Bull** 1990 Oct;37(5):433–42 (125 ref.)
Development of the bovine immunodeficiency–like virus as a model of lentivirus disease. Gonda MA, et al. **Dev Biol Stand** 1990;72:97–110 (24 ref.)
Nonhuman primate lentiviruses: models for human infection. Kodama T, et al. **Dev Biol Stand** 1990;72:267–71 (20 ref.)
Gamma interferon, cytokine–induced macrophage activation, and antimicrobial host defense. In vitro, in animal models, and in humans. Murray HW. **Diagn Microbiol Infect Dis** 1990 Sep–Oct;13(5):411–21 (67 ref.)
Perinatal ocular physiology and ROP in the experimental animal model. Flower RW. **Doc Ophthalmol** 1990 Mar; 74(3):153–62 (8 ref.)
Oxygen–induced retinopathy in the rat model. Ricci B. **Doc Ophthalmol** 1990 Mar;74(3):171–7 (21 ref.)
The validity of animal models in the search for drugs for the aging brain. Pepeu G, et al. **Drug Des Deliv** 1990 Dec; 7(1):1–10 (80 ref.)
Evaluation of quinolones in experimental animal models of infections. Scheld WM. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):275–90 (86 ref.)
Re–examination of Rattus norvegicus as an animal model for Aeromonas–associated enteritis in man. Haberberger RL Jr, et al. **Experientia** 1991 May 15;47(5):426–9 (13 ref.)
The BHE rat: an animal model for the study of non–insulin–dependent diabetes mellitus. Berdanier CD. **FASEB J** 1991 May;5(8):2139–44 (51 ref.)
Murine acquired immunodeficiency syndrome (MAIDS): an animal model to study the AIDS pathogenesis. Jolicoeur P. **FASEB J** 1991 Jul;5(10):2398–405 (73 ref.)
In vivo studies of antibody dependent acantholysis. Anhalt GJ, et al. **Immunol Ser** 1989;46:291–316 (66 ref.)
Murine models of graft–versus–host disease with features of scleroderma. Charley MR, et al. **Immunol Ser** 1989; 46:625–40 (20 ref.)
Mast cells in murine graft–versus–host disease: a model of immunologically induced fibrosis. Choi KL, et al. **Immunol Ser** 1989;46:641–51 (39 ref.)
Animal models in Hepadna viruses. Mehrotra R, et al. **Indian J Pathol Microbiol** 1990 Jul;33(3):288–98 (54 ref.)
Animal models of osteomyelitis. Knowledge, hypothesis, and speculation. Rissing JP. **Infect Dis Clin North Am** 1990 Sep;4(3):377–90 (79 ref.)
Animal models for the study of alcoholism: utility of selected lines. Froehlich JC, et al. **J Addict Dis** 1991;10(1–2):61–71 (40 ref.)
Endothelial cells and the pathogenesis of rheumatoid arthritis in humans and streptococcal cell wall arthritis in Lewis rats. Wilder RL, et al. **J Cell Biochem** 1991 Feb;45(2):162–6 (34 ref.)
Inherited mouse mutations as models of human adnexal, cornification, and papulosquamous dermatoses. Sundberg JP, et al. **J Invest Dermatol** 1990 Nov;95(5):62S–63S (15 ref.)
Replication of the compartment syndrome in a canine model: experimental evaluation of treatment. Ricci MA, et al. **J Invest Surg** 1990;3(2):129–40 (41 ref.)
Diabetes mellitus in nonhuman primates: recent research advances and current husbandry practices. Howard CF Jr, et al. **J Med Primatol** 1990;19(7):609–25 (72 ref.)
Obesity, a disorder of nutrient partitioning: the MONA LISA hypothesis. Bray GA. **J Nutr** 1991 Aug;121(8):1146–62 (144 ref.)
Microbiological and immunological aspects of experimental periodontal disease in rats: a review article. Klausen B. **J Periodontol** 1991 Jan;62(1):59–73 (142 ref.)
Animal models of picornavirus–induced autoimmune disease: their possible relevance to human disease. Craighead JE, et al. **Lab Invest** 1990 Oct;63(4):432–46 (225 ref.)
von Willebrand factor and animal models: contributions to gene therapy, thrombotic thrombocytopenic purpura, and coronary artery thrombosis. Brinkhous KM, et al. **Mayo Clin Proc** 1991 Jul;66(7):733–42 (30 ref.)
Animal models for evaluation of arthritis drugs. Greenwald RA. **Methods Find Exp Clin Pharmacol** 1991 Mar; 13(2):75–83 (8 ref.)
A perspective on the selection of experimental models. Irving GW 3d. **Neurosci Biobehav Rev** 1991 Spring;15(1):15–20 (25 ref.)
Essential roles for animal models in understanding human toxicities. Russell RW. **Neurosci Biobehav Rev** 1991 Spring; 15(1):7–11 (44 ref.)
Some animal models and their probability of extrapolation to man. Wolthuis OL. **Neurosci Biobehav Rev** 1991 Spring; 15(1):25–34 (71 ref.)
The "Clever Hans" phenomenon in animal models of schizophrenia, or homology as an important factor in comparing behavioral functions across species. Ahlenius S. **Perspect Biol Med** 1991 Winter;34(2):219–25 (24 ref.)
Animal models of parkinsonism. Kaakkola S, et al. **Pharmacol Toxicol** 1990 Aug;67(2):95–100 (69 ref.)
Genetically altered and defined cell lines for transplantation in animal models of Parkinson's disease. Freed WJ, et al. **Prog Brain Res** 1990;82:11–21 (52 ref.)
Animal models for human PFC–related disorders. Kolb B. **Prog Brain Res** 1990;85:501–19 (78 ref.)
Neuronal responses to injury and aging: lessons from animal models. Price DL, et al. **Prog Brain Res** 1990;86:297–308 (143 ref.)
Experimental hepatitis delta virus infection in the animal model. Ponzetto A, et al. **Prog Clin Biol Res** 1991; 364:147–57 (28 ref.)
Habituation deficits, serotonergic function, and schizophrenia: new animal model data. Braff DL, et al. **Psychopharmacol Bull** 1988;24(3):426–30 (19 ref.)
An animal model of food allergic arthritis. Panush RS. **Rheum Dis Clin North Am** 1991 May;17(2):251–7 (36 ref.)
Impact of the antibiotic dosage schedule on efficacy in experimental soft tissue infections. Gerber AU. **Scand J Infect Dis Suppl** 1990;74:147–54 (18 ref.)
Relevance of focal cerebral ischemia models. Experience with fibrinolytic agents. del Zoppo GJ. **Stroke** 1990 Dec; 21(12 Suppl):IV155–60 (63 ref.)
New concepts in experimental peptic ulceration. Parekh D, et al. **Surg Annu** 1991;23 Pt 2:31–52 (86 ref.)
Benzodiazepines, putative anxiolytics and animal models of anxiety. Green S. **Trends Neurosci** 1991 Mar;14(3):101–4 (42 ref.)
Animal models as simulations of depression. Willner P. **Trends Pharmacol Sci** 1991 Apr;12(4):131–6 (50 ref.)
Antiarrhythmic effects of fish oils. Charnock JS. **World Rev Nutr Diet** 1991;66:278–91 (56 ref.)
Modulation of breast cancer growth in nude mice by omega 3 lipids. Fernandes G, et al. **World Rev Nutr Diet** 1991; 66:488–503 (70 ref.)
[Immunopathogenesis of Borna disease] Stitz L, et al. **Tierarztl Prax** 1991 Jun;19(3):267–70 (23 ref.) (Eng. Abstr.) **(Ger)**
[Neuronal mechanisms underlying the kindling model of epilepsy] Maru E. **Nippon Ika Daigaku Zasshi** 1991 Feb; 58(1):4–10 (58 ref.) **(Jpn)**
[Biological effects of exposure to acrylamide] Dobrzyńska MM, et al. **Rocz Panstw Zakl Hig** 1990;41(5–6):209–15 (43 ref.) (Eng. Abstr.) **(Pol)**
[The "phenomenon of ethanol preference"] Andronova LM, et al. **Farmakol Toksikol** 1991 Mar–Apr;54(2):73–7 (45 ref.) (Eng. Abstr.) **(Rus)**
[Late toxic effects of chlorophos (review of the literature)] Nedopitanskaia NN, et al. **Gig Sanit** 1991 Mar;(3):61–4 (69 ref.) **(Rus)**
[Toxic properties of acrylamide (review of the literature)] Sheftel' VO. **Gig Sanit** 1990 Aug;(8):48–50 (31 ref.) **(Rus)**
[Use of laser welded suture on the blood vessels and in surgery of the gastrointestinal tract] Gondzhilashvili VG, et al. **Khirurgiia (Mosk)** 1991 Mar;(3):141–5 (66 ref.) **(Rus)**
[Clinical and experimental studies of the effect of low–intensity laser irradiation on the blood and blood vessels] Radionov BV, et al. **Sov Med** 1991;(1):27–9 (30 ref.) **(Rus)**
[Pathogenetic mechanisms of stress–induced aggravation of experimental influenza and its prevention] Frolov BA, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):50–4 (25 ref.) (Eng. Abstr.) **(Rus)**
[The role of lipid peroxidation in post–stress aggravation of influenza and the corrective effect od ionol] Inozemtseva LI, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):54–7 (17 ref.) (Eng. Abstr.) **(Rus)**
[Post–stress disorders of resistance of mice to recurrent infection by homologous influenza virus] Kramskaia TA, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):47–50 (16 ref.) (Eng. Abstr.) **(Rus)**
[The thioldisulfide system as one of the elements of compensatory mechanisms in influenza] Leont'eva GF, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):40–4 (24 ref.) (Eng. Abstr.) **(Rus)**
[Formation of target cells in the immunocompetent organ (spleen) of mice with experimental infection caused by influenza A viruses with various properties] Shidlovskaia

NK, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):23–7 (24 ref.) (Eng. Abstr.) **(Rus)**

[Successes and the outlook in the study of pathogenic microorganisms in vivo in the implanted chamber model] Kuliash GIu, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1991 Apr;(4):72–6 (30 ref.) **(Rus)**

[Contractile properties of the muscles in disorders of peripheral innervation (review of the literature)] Bogdanov EI, et al. **Zh Nevropatol Psikhiatr** 1991;91(2):129–32 (58 ref.) **(Rus)**

[Genetically hypertensive rats: a model for essential arterial hypertension] Grana DR, et al. **Medicina (B Aires)** 1989; 49(4):379–86 (82 ref.) **(Spa)**

DISEASE OUTBREAKS

see related
COMMUNICABLE DISEASES

Measles in the United States: 1989 and 1990. Katz SL. **Adv Pediatr Infect Dis** 1991;6:79–90 (24 ref.)

Use of the case-control method in outbreak investigations. Fonseca MG, et al. **Am J Epidemiol** 1991 Apr 1; 133(7):748–52 (14 ref.)

Biomedical and social considerations on the AIDS pandemic and associated tumors. Giraldo G. **Antibiot Chemother** 1991;43:272–5 (0 ref.)

The epidemiological evolution of HIV infection. Greco D. **Antibiot Chemother** 1991;43:1–13 (4 ref.)

Epidemiological characteristics of Legionella infection in South Australia: implications for disease control. Cameron S, et al. **Aust N Z J Med** 1991 Feb;21(1):65–70 (32 ref.)

AIDS: challenges to our health care systems. Osborn JE. **Cleve Clin J Med** 1990 Nov–Dec;57(8):709–14 (8 ref.)

Epidemiology of human listeriosis. Schuchat A, et al. **Clin Microbiol Rev** 1991 Apr;4(2):169–83 (179 ref.)

Rubella in the developing world. Miller CL. **Epidemiol Infect** 1991 Aug;107(1):63–8 (32 ref.)

Rubella in the United Kingdom. Miller E. **Epidemiol Infect** 1991 Aug;107(1):31–42 (26 ref.)

How epidemiologists can improve television network news coverage of disease cluster reports. Greenberg M, et al. **Epidemiology** 1990 Mar;1(2):167–70 (15 ref.)

Plague and Glasnost. First information about human cases in the USSR in 1989 and 1990. Velimirovic B. **Infection** 1990 Nov–Dec;18(6):388–93 (36 ref.)

Escherichia coli O157:H7 and its significance in foods. Doyle MP. **Int J Food Microbiol** 1991 Apr;12(4):289–301 (69 ref.)

Enteric non-A, non-B hepatitis in India. Gupta H, et al. **J Gastroenterol Hepatol** 1990 May–Jun;5(3):288–95 (36 ref.)

State of the art in typing: Klebsiella spp. Ayling-Smith B, et al. **J Hosp Infect** 1990 Nov;16(4):287–95 (48 ref.)

Pathogenic Escherichia coli, Yersinia enterocolitica, and Vibrio parahaemolyticus. Doyle MP. **Lancet** 1990 Nov 3; 336(8723):1111–5 (15 ref.)

Foodborne disease due to Bacillus and Clostridium species. Lund BM. **Lancet** 1990 Oct 20;336(8721):982–6 (13 ref.)

Foodborne staphylococcal illness. Tranter HS. **Lancet** 1990 Oct 27;336(8722):1044–6 (17 ref.)

Intestinal capillariasis. Cross JH, et al. **Prog Clin Parasitol** 1989;1:105–19 (27 ref.)

Survival and vehicular spread of human rotaviruses: possible relation to seasonality of outbreaks. Ansari SA, et al. **Rev Infect Dis** 1991 May–Jun;13(3):448–61 (202 ref.)

Mortality due to shigellosis: community and hospital data. Bennish ML, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S245–51 (46 ref.)

Intestinal manifestations of invasive diarrheas and their diagnosis. Mathan VI, et al. **Rev Infect Dis** 1991 Mar–Apr; 13 Suppl 4:S311–3 (9 ref.)

Survival and growth of Legionella species in the environment. Lee JV, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:121S–129S (54 ref.)

From Leningrad to the day-care center. The ubiquitous Giardia lamblia. Shandera WX. **West J Med** 1990 Aug; 153(2):154–9 (139 ref.)

[An anthrax epidemic in Switzerland. Clinical, diagnostic and epidemiological aspects of a mostly forgotten disease] Pfisterer RM. **Schweiz Med Wochenschr** 1991 Jun 1; 121(22):813–25 (99 ref.) (Eng. Abstr.) **(Ger)**

[The first results and objectives of the study of Lyme disease in the USSR] Korenberg EI, et al. **Vestn Akad Med Nauk SSSR** 1990;(6):52–7 (48 ref.) (Eng. Abstr.) **(Rus)**

[The microevolution of anthropophilic prokaryotes as a factor altering the activity of epidemic processes. The microevolution of pathogenicity] Kalina GP. **Zh Mikrobiol Epidemiol Immunobiol** 1991 May;(5):71–4 (51 ref.) **(Rus)**

[The investigation of an epidemic] Gili Miner M, et al. **Enferm Infecc Microbiol Clin** 1991 Jan;9(1):43–51 (14 ref.) **(Spa)**

ECONOMICS

Paying for the HIV epidemic. Johnson DP, et al. **Conn Med** 1991 Jan;55(1):38–42 (22 ref.)

HISTORY

Schistosomiasis japonica: a vanishing endemic in Japan. Kitani K, et al. **J Gastroenterol Hepatol** 1990 Mar–Apr; 5(2):160–72 (68 ref.)

PREVENTION & CONTROL

A decade of a maturing epidemic: an assessment and directions for future public policy. Gostin L. **Am J Law Med** 1990;16(1–2):1–32 (136 ref.)

Rubella in the United States: toward a strategy for disease control and elimination. Herrmann KL. **Epidemiol Infect** 1991 Aug;107(1):55–61 (17 ref.)

Methicillin-resistant Staphylococcus aureus in extended-care facilities: experiences in a Veterans' Affairs nursing home and a review of the literature. Strausbaugh LJ, et al. **Infect Control Hosp Epidemiol** 1991 Jan;12(1):36–45 (33 ref.)

Epidemics and agendas: the politics of nightly news coverage of AIDS. Colby DC, et al. **J Health Polit Policy Law** 1991 Summer;16(2):215–49 (51 ref.)

Control of viral infections in hospitals. Breuer J, et al. **J Hosp Infect** 1990 Oct;16(3):191–221 (186 ref.)

Current concepts of control measures for influenza. Dolin R. **Trans Am Clin Climatol Assoc** 1989;101:227–33 (17 ref.)

[Possibilities and limits of the epidemic regulation in relation to the control of AIDS] Schenke WR. **Internist (Berl)** 1990 Sep;31(9):582–6 (15 ref.) **(Ger)**

STATISTICS & NUMERICAL DATA

MS in the Faroe Islands and the possible protective effect of early childhood exposure to the "MS agent". Cooke RG. **Acta Neurol Scand** 1990 Oct;82(4):230–3 (20 ref.)

Epidemiologic studies of asthma epidemics in Barcelona. Antó JM, et al. **Chest** 1990 Nov;98(5 Suppl):185S–190S (20 ref.)

[The present-day epidemiological process in streptococcal infection] Oană C, et al. **Rev Med Chir Soc Med Nat Iasi** 1990 Apr–Jun;94(2):351–2 (0 ref.) (Eng. Abstr.) **(Rum)**

VETERINARY

Bovine spongiform encephalopathy. Matthews D. **J R Soc Health** 1991 Feb;111(1):3–5 (7 ref.)

A review of the 1988 European seal morbillivirus epizootic. Kennedy S. **Vet Rec** 1990 Dec 8;127(23):563–7 (36 ref.)

[Behavioral ecology of the transmission of rabies] Artois M, et al. **Ann Rech Vet** 1991;22(2):163–72 (43 ref.) (Eng. Abstr.) **(Fre)**

DISEASE RESERVOIRS

see related
CARRIER STATE
DISEASE VECTORS

Arboviruses in the Iberian Peninsula. Filipe AR, et al. **Acta Virol (Praha)** 1990 Dec;34(6):582–91 (41 ref.)

The role of monkeys in the biology of dengue and yellow fever. Rodhain F. **Comp Immunol Microbiol Infect Dis** 1991;14(1):9–19 (40 ref.)

Emerging vector-borne infections. Telford SR 3d, et al. **Infect Dis Clin North Am** 1991 Mar;5(1):7–17 (25 ref.)

Schistosomiasis in China. Mao SP, et al. **Prog Clin Parasitol** 1989;1:121–41 (71 ref.)

[Coliform bacilli which produce cytotoxins: importance in veterinary medicine and public health] De Rycke J. **Ann Rech Vet** 1991;22(2):105–26 (99 ref.) (Eng. Abstr.) **(Fre)**

[The role of bacteriophages in the self-regulating system of a plague enzootic] Pak GIu, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Sep;(9):97–100 (10 ref.) **(Rus)**

VETERINARY

[Lyme disease (borreliosis): the epidemiological importance of animal vectors and reservoirs] Suteu E. **Rev Ig [Bacteriol]** 1990 Apr–Jun;35(2):113–7 (30 ref.) **(Rum)**

DISEASE RESISTANCE see **IMMUNITY, NATURAL**

DISEASE SUSCEPTIBILITY

see related
HEMORRHAGIC DIATHESIS

Physiologic stress and cellular ischemia: relationship to immunosuppression and susceptibility to sepsis. Abraham E. **Crit Care Med** 1991 May;19(5):613–8 (69 ref.)

Accident proneness and illness proneness: a review. Engel HO. **J R Soc Med** 1991 Mar;84(3):163–4 (19 ref.)

[Life style, environment and childhood diseases] Ballabriga A. **An Esp Pediatr** 1990 Nov;33 Suppl 42:1–19 (270 ref.) **(Spa)**

GENETICS

Mutagenesis and expression of putative class II susceptibility genes: a "reverse immunogenetics" approach to analysis of HLA and disease. Nepom GT. **Autoimmunity** 1990; 7(2–3):189–99 (46 ref.)

Epidemiologic approaches to the use of DNA markers in the search for disease susceptibility genes. Khoury MJ, et al. **Epidemiol Rev** 1990;12:41–55 (50 ref.)

Homologies between the major histocompatibility complex of man and cattle: consequences for disease resistance and susceptibility. Giphart MJ, et al. **Vet Q** 1990 Oct; 12(4):202–11 (49 ref.)

IMMUNOLOGY

Herd immunity and the HIV epidemic. O'Connor WT. **Prev Med** 1991 May;20(3):329–42 (103 ref.)

Is there immune dysfunction in depressive disorders? [editorial] Hickie I, et al. **Psychol Med** 1990 Nov; 20(4):755–61 (64 ref.)

PHYSIOPATHOLOGY

Cytokine synergy with viral cytopathic effects and bacterial products during the pathogenesis of respiratory tract infection. Bielefeldt Ohmann H, et al. **Clin Immunol Immunopathol** 1991 Aug;60(2):153–70 (149 ref.)

DISEASE VECTORS

The vector host link in filariasis. Wenk P. **Ann Trop Med Parasitol** 1991 Feb;85(1):139–47 (30 ref.)

The origin of major human infections and the crucial role of person-to-person spread. Mims CA. **Epidemiol Infect** 1991 Jun;106(3):423–33 (22 ref.)

Schistosomiasis in China. Mao SP, et al. **Prog Clin Parasitol** 1989;1:121–41 (71 ref.)

Vector-borne diseases. Sharma S. **Prog Drug Res** 1990; 35:365–485 (564 ref.)

A veterinary approach to leeches [see comments] Cooper JE. **Vet Rec** 1990 Sep 1;127(9):226–8 (38 ref.) Comment in: Vet Rec 1990 Sep 8;127(10):268.

[Agriculture-health interface in the field of epidemiology of vector-borne diseases and the control of vectors] Mouchet J, et al. **Bull Soc Pathol Exot Filiales** 1990;83(3):376–93 (49 ref.) (Eng. Abstr.) **(Fre)**

[Lyme disease (borreliosis): the epidemiological importance of animal vectors and reservoirs] Suteu E. **Rev Ig [Bacteriol]** 1990 Apr–Jun;35(2):113–7 (30 ref.) **(Rum)**

[Pragmatic data and observations related to the epidemiology of Chagas disease] Schenone H, et al. **Bol Chil Parasitol** 1989 Jul–Dec;44(3–4):66–86 (173 ref.) (Eng. Abstr.) **(Spa)**

DISEASES IN TWINS

Congenital giant pigmented nevus presenting in one identical twin. Morganroth GS, et al. **Cutis** 1991 Jul;48(1):53–5 (10 ref.)

Urinary tract malformations in identical twins. McCandless SE, et al. **J Urol** 1991 Jul;146(1):145–7 (22 ref.)

Twin studies of Alzheimer's disease: an approach to etiology and prevention. Breitner JC, et al. **Neurobiol Aging** 1990 Nov–Dec;11(6):641–8 (71 ref.)

Partial duplication of the face: case report and review. Verdi GD, et al. **Plast Reconstr Surg** 1991 Apr;87(4):759–62 (25 ref.)

[Amniotic band disruption complex: report of one case in twins] Shih TY, et al. **Acta Paediatr Sin** 1991 Mar–Apr; 32(2):115–21 (38 ref.) (Eng. Abstr.) **(Chi)**

DIAGNOSIS

[Multicystic encephalomalacia in twins: echographic diagnosis] Rufo Campos M, et al. **An Esp Pediatr** 1990 Dec;33(6):579–81 (18 ref.) **(Spa)**

GENETICS

Sexual discordance in monozygotic twins. Perlman EJ, et al. **Am J Med Genet** 1990 Dec;37(4):551–7 (42 ref.)

Cerebral palsy in multiple births in Western Australia: genetic aspects. Petterson B, et al. **Am J Med Genet** 1990 Nov; 37(3):346–51 (27 ref.)

Lumbar intervertebral disc prolapse in teenage twins. A case report and review of the literature. Gunzburg R, et al. **J Bone Joint Surg [Br]** 1990 Sep;72(5):914–6 (19 ref.)

[Crigler-Najjar syndrome type II occurring in twins] Hernández González J, et al. **An Esp Pediatr** 1990 Oct; 33(4):376–80 (20 ref.) **(Spa)**

DISGERMINOMA see **DYSGERMINOMA**

DISINFECTANTS

Disinfection and endoscopy: microbial considerations. Bond WW. **J Gastroenterol Hepatol** 1991 Jan–Feb;6(1):31–6 (29 ref.)

Acanthamoeba and disinfection of soft contact lenses. Meisler DM, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 5:S410–2 (21 ref.)

[Skin and hand disinfection] Mathis U. **Ther Umsch** 1991 Apr; 48(4):210–4 (10 ref.) (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

[Local therapy of the poorly healing wound] Niedner R. **Med Monatsschr Pharm** 1990 Nov;13(11):340–8 (0 ref.) **(Ger)**

ADVERSE EFFECTS

[Open questions on biochemical toxicology of hydrogen peroxide] Dieter HH. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:59–72 (35 ref.) **(Ger)**

[Importance of choosing suitable gloves for good protective

effect. Disinfectants cause eczema and contact urticaria among health personnel] Fischer T, et al. **Lakartidningen** 1991 Mar 20;88(12):1077, 1079–80 (15 ref.) **(Swe)**

ANALYSIS

[Approval of additives for drinking water and purity requirements] Grohmann A. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:111–24 (20 ref.) **(Ger)**

[Additives and DVGW regulations] Liessfeld R. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:93–102 (7 ref.) **(Ger)**

[Additives in DIN regulations] Prüfrock W, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:103–10 (6 ref.) **(Ger)**

PHARMACOLOGY

Survival and disinfectant inactivation of the human immunodeficiency virus: a critical review. Sattar SA, et al. **Rev Infect Dis** 1991 May–Jun;13(3):430–47 (98 ref.)

[Oxidation as a step in water processing] Gilbert E. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:73–91 (26 ref.) **(Ger)**

POISONING

[Acute accidental poisoning with hospital disinfectant. 45 cases of which 13 with fatal outcome] Chataigner D, et al. **Presse Med** 1991 Apr 27;20(16):741–3 (10 ref.) (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Role of disinfectants in infection control. Molinari JA, et al. **Dent Clin North Am** 1991 Apr;35(2):323–37 (22 ref.)

DISINFECTION

Disinfection and endoscopy: summary and recommendations. Working party report to the World Congresses of Gastroenterology, Sydney 1990. Axon AT. **J Gastroenterol Hepatol** 1991 Jan–Feb;6(1):23–4 (14 ref.)

Disinfection and endoscopy: microbial considerations. Bond WW. **J Gastroenterol Hepatol** 1991 Jan–Feb;6(1):31–6 (29 ref.)

Cleaning and disinfection of flexible endoscopes and ancillary equipment: use of automatic disinfectors. Bottrill PM, et al. **J Gastroenterol Hepatol** 1991 Jan–Feb;6(1):45–7 (7 ref.)

Disinfection and endoscopy: the clinical risks of infection. Cowen AE. **J Gastroenterol Hepatol** 1991 Jan–Feb; 6(1):25–30 (104 ref.)

[Advances in the disinfection of water distribution systems for Legionella] Cheng JP, et al. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1990 Oct; 11(5):309–12 (23 ref.) **(Chi)**

METHODS

Disinfection of endoscopic equipment. Axon AT. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):61–77 (42 ref.)

Cleaning, disinfection, and sterilization of gastrointestinal endoscopes: approaches in the office. Tremain SC, et al. **J Fam Pract** 1991 Mar;32(3):300–5 (26 ref.)

Disinfection and endoscopy: procedures and staff safety. Fleisher DE. **J Gastroenterol Hepatol** 1991 Jan–Feb; 6(1):41–3 (6 ref.)

[Principles of water disinfection] Carlson S. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:25–49 (34 ref.) **(Ger)**

[Skin and hand disinfection] Mathis U. **Ther Umsch** 1991 Apr; 48(4):210–4 (10 ref.) (Eng. Abstr.) **(Ger)**

[Hygienic measures in endoscopy] Exner M, et al. **Z Gastroenterol** 1990 Nov;28(11):635–43 (47 ref.) (Eng. Abstr.) **(Ger)**

STANDARDS

Endoscopic disinfection: practices and recommendations. Tandon RK. **J Gastroenterol Hepatol** 1991 Jan–Feb; 6(1):37–9 (8 ref.)

The mechanics of endoscope disinfection. Babb JR, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:130–5 (22 ref.)

What standards should we use for the disinfection of large equipment? Miles RS. **J Hosp Infect** 1991 Jun;18 Suppl A:264–73 (27 ref.)

Inactivation of the unconventional agents of scrapie, bovine spongiform encephalopathy and Creutzfeldt-Jakob disease. Taylor DM. **J Hosp Infect** 1991 Jun;18 Suppl A:141–6 (51 ref.)

DISINFECTION, HAND see **HANDWASHING**

DISK, HERNIATED see **INTERVERTEBRAL DISK DISPLACEMENT**

DISK, INTERVERTEBRAL see **INTERVERTEBRAL DISK**

DISLOCATIONS

Sport-related fractures and dislocations in the hand. Hankin FM, et al. **Hand Clin** 1990 Aug;6(3):429–53 (82 ref.)

Lateral ankle dislocation without fracture. Wehner J, et al. **J Orthop Trauma** 1990;4(3):362–5 (20 ref.)

[Luxation of total hip prosthesis. Mathematic modelization, biomechanical approach] Fontes D, et al. **Rev Chir Orthop** 1991;77(3):151–62 (33 ref.) (Eng. Abstr.) **(Fre)**

[Luxation of total hip prosthesis. Statistical validation of a modelization, apropos of 52 cases] Fontes D, et al. **Rev Chir Orthop** 1991;77(3):163–70 (23 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Brachial artery injury in closed elbow dislocation. Case report and review of literature. Sadat-Ali M. **Arch Orthop Trauma Surg** 1990;109(5):288–90 (18 ref.)

Transection of the brachial artery complicating closed posterior dislocation of the elbow. Howard AC, et al. **Injury** 1991 May;22(3):240–2 (11 ref.)

Carotid and vertebral artery injury in survivors of atlanto-occipital dislocation: case reports and literature review. Lee C, et al. **J Trauma** 1991 Mar;31(3):401–7 (35 ref.)

Diagnosis and management of vascular injuries associated with skeletal trauma. Damron T, et al. **Orthop Rev** 1990 Dec;19(12):1063–70 (42 ref.)

ETIOLOGY

Freiberg's disease and dislocation of the second metatarsophalangeal joint: etiology and treatment. Beito SB, et al. **Clin Podiatr Med Surg** 1990 Oct;7(4):619–31 (49 ref.)

Lateral rotatory dislocation of the ankle without fracture. Wilson AB, et al. **J Orthop Trauma** 1991;5(1):93–5 (6 ref.)

[Course of bone lesions of leprosic feet towards dislocation of the tarsus and metatarsus] Carayon A, et al. **Rev Chir Orthop** 1990;76(8):579–82 (11 ref.) (Eng. Abstr.) **(Fre)**

[Recurrent dislocation of the sternoclavicular joint] Szabó G. **Magy Traumatol Orthop Helyreallito Sebesz** 1991; 34(2):103–6 (11 ref.) (Eng. Abstr.) **(Hun)**

RADIOGRAPHY

Posteriormedial dislocation of the talus. A case report and review of the literature. Hidalgo Ovejero AM, et al. **Acta Orthop Belg** 1991;57(1):63–7 (16 ref.)

Radiographic and orthopedic evaluation of wrist trauma. FitzRandolph RL, et al. **Curr Probl Diagn Radiol** 1991 Jan–Feb;20(1):1–42 (127 ref.)

Posterior radial head dislocation without ulnar fracture. Pereles DJ, et al. **J Orthop Trauma** 1990;4(4):458–62 (14 ref.)

Imaging rounds #105. Congenital dislocation of the knee [published erratum appears in Orthop Rev 1991 Apr;20(4):311] Lenke LG, et al. **Orthop Rev** 1991 Mar; 20(3):295–6, 300, 304 (12 ref.)

Traumatic atlanto-occipital dislocation in children: review and report of five cases. Cohen A, et al. **Pediatr Emerg Care** 1991 Feb;7(1):24–7 (16 ref.)

Traumatic atlantoaxial dislocation without fracture of the odontoid. Wong DA, et al. **Spine** 1991 May;16(5):587–9 (5 ref.)

[Conventional diagnosis of carpal luxation and instability] Adolph J, et al. **Radiologe** 1990 Aug;30(8):353–9 (28 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Lateral ankle instability associated with dislocation of the peroneal tendons treated by the Chrisman-Snook procedure. A case report and literature review. Sobel M, et al. **Am J Sports Med** 1990 Sep–Oct;18(5):539–43 (39 ref.)

Subluxing peroneal tendons. An anatomic approach. Smith TF, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):555–77 (13 ref.)

Acute injuries of the distal radioulnar joint. Aulicino PL, et al. **Hand Clin** 1991 May;7(2):283–93 (46 ref.)

The treatment of chronic traumatic subluxation of the distal ulna by hemiresection interposition arthroplasty. Imbriglia JE, et al. **Hand Clin** 1991 May;7(2):329–34 (37 ref.)

Stabilization of traumatic atlanto-occipital dislocation. Case report. Belzberg AJ, et al. **J Neurosurg** 1991 Sep; 75(3):478–82 (42 ref.)

Long-term results of pronation-external rotation ankle fracture-dislocations treated with anatomical open reduction, internal fixation. Stiehl JB, et al. **J Orthop Trauma** 1990;4(3):339–45 (24 ref.)

Recurrent dislocation of the elbow in a child: case report and review of the literature. Beaty JH, et al. **J Pediatr Orthop** 1991 May–Jun;11(3):392–6 (37 ref.)

[Surgical treatment of neglected elbow dislocations. Report of 81 cases] di Schino M, et al. **Rev Chir Orthop** 1990; 76(5):303–10 (12 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Traumatic dislocation of the knee. Walls RM, et al. **J Emerg Med** 1984;1(6):527–31 (22 ref.)

DISODIUM CROMOGLYCATE

THERAPEUTIC USE

Food allergy in children: diagnosis and treatment with sodium cromoglycate. Businco L, et al. **Allergol Immunopathol (Madr)** 1990 Nov–Dec;18(6):339–48 (38 ref.)

Long-term effect of cromolyn sodium on nonspecific bronchial hyperresponsiveness: a review. Hoag JE, et al. **Ann Allergy** 1991 Jan;66(1):53–63 (65 ref.)

Advances in pediatric drug therapy of asthma. Levin RH. **Nurs Clin North Am** 1991 Jun;26(2):263–72 (28 ref.)

[Pharmaco-prevention of bronchial asthma using membrane stabilizers and asthma mortality] Neffen HE. **Rev Alerg Mex** 1990 Sep–Oct;37(5):155–63 (48 ref.) (Eng. Abstr.) **(Spa)**

DISODIUM ETIDRONATE see **SODIUM ETIDRONATE**

DISOPROFOL see **PROPOFOL**

DISOPYRAMIDE

PHARMACOKINETICS

Pharmacokinetics and pharmacodynamics of disopyramide. Bonde J. **Dan Med Bull** 1991 Apr;38(2):121–33 (144 ref.)

THERAPEUTIC USE

[Efficacy and tolerance of disopyramide in arrhythmia associated with sinus node dysfunction] Brembilla-Perrot B, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):837–42 (15 ref.) (Eng. Abstr.) **(Fre)**

[Comparison of the efficacy of moricizine and disopyramide in the treatment of ventricular extrasystoles] Fauchier JP, et al. **Arch Mal Coeur Vaiss** 1991 Apr;84(4):553–60 (30 ref.) (Eng. Abstr.) **(Fre)**

DISPOSABLE EQUIPMENT

Disposal of medical waste: the New York experience under the Medical Tracking Act. Farber BF. **Infect Control Hosp Epidemiol** 1991 Apr;12(4):251–7 (9 ref.)

DISSECTING ANEURYSM see **ANEURYSM, DISSECTING**

DISSECTION

Pelvic sidewall dissection. Reich H. **Clin Obstet Gynecol** 1991 Jun;34(2):412–22 (20 ref.)

INSTRUMENTATION

[Surgical dissection and anastomosis in medicine--from the viewpoint of technique] Reidenbach HD. **Biomed Tech (Berlin)** 1990;35 Suppl 3:1–9 (11 ref.) **(Ger)**

METHODS

Type IVa choledochal cysts: surgical management and literature review. Thambi Dorai CR, et al. **Aust N Z J Surg** 1991 Jul;61(7):505–10 (21 ref.)

DISSEMINATED INTRAVASCULAR COAGULATION

Blood clotting problems in acute care. Hardaway RM, et al. **Acute Care** 1988–89;14–15:138–207 (263 ref.)

CHEMICALLY INDUCED

[Successful treatment of levodopa-induced neuroleptic malignant syndrome (NMS) with disseminated intravascular coagulation (DIC) in a patient with Parkinson's disease] Yamawaki Y, et al. **Rinsho Shinkeigaku** 1991 Jan;31(1):62–7 (30 ref.) (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Coagulopathy and abdominal aortic aneurysm. Gibney EJ, et al. **Eur J Vasc Surg** 1990 Dec;4(6):557–62 (44 ref.)

[Still's disease in adults with disseminated intravascular coagulation] Aellen P, et al. **Schweiz Rundsch Med Prax** 1991 Apr 9;80(15):376–8 (22 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[New methods and old concepts in the biological diagnosis of disseminated intravascular coagulation (DIC)] Garcia Avello A, et al. **Sangre (Barc)** 1991 Apr;36(2):117–21 (62 ref.) **(Spa)**

DRUG THERAPY

[Current views on the therapeutic use of heparin and antithrombin III in disseminated intravascular coagulation] Sobczyk J, et al. **Pol Tyg Lek** 1989 Oct 2–16; 44(40–42):896–8 (25 ref.) **(Pol)**

[Heparin therapy of disseminated intravascular coagulation in pyo-inflammatory diseases in children] Dmitriev VV. **Anesteziol Reanimatol** 1991 Jan–Feb;(1):69–72 (63 ref.) **(Rus)**

ETIOLOGY

Haemostatic problems in acute leukaemia. Wilde JT, et al. **Blood Rev** 1990 Dec;4(4):245–51 (53 ref.)

Role of tumor necrosis factor in the pathogenesis of intravascular coagulopathy of sepsis: potential new therapeutic implications. Aderka D. **Isr J Med Sci** 1991 Jan;27(1):52–60 (63 ref.)
[Coagulation disorders in traumatic brain injuries] Knudsen F. **Ugeskr Laeger** 1991 Jul 29;153(31):2173–6 (28 ref.) (Eng. Abstr.) **(Dan)**
[Early complications and treatment of marked blastic hyperleukocytosis in children with leukemia] Kubiczek K, et al. **Pol Tyg Lek** 1989 Oct 2–16;44(40–42):889–91 (24 ref.) **(Pol)**
[Various mechanisms of disorders of the regulation of hemostasis in acute hemorrhage] Gorbunova NA. **Gematol Transfuziol** 1991 Feb;36(2):3–7 (100 ref.) (Eng. Abstr.) **(Rus)**
[Intravascular coagulation in acute and chronic hepatitis] Shelest LIu, et al. **Klin Med (Mosk)** 1990 Jul;68(7):15–20 (51 ref.) **(Rus)**
[Intravascular coagulation in lung diseases (a review of the literature)] Shelest LIu, et al. **Vrach Delo** 1990 Nov;(11):12–6 (50 ref.) **(Rus)**
[Intravascular coagulation of the blood in liver cirrhosis (a review of the literature)] Shelest LIu, et al. **Vrach Delo** 1990 Aug;(8):44–7 (42 ref.) **(Rus)**
[Consumption coagulopathy and liver cirrhosis: etiopathogenesis and diagnosis] Moreno Abadía V, et al. **An Med Interna** 1989 Jun;6(6):318–22 (59 ref.) **(Spa)**

DISSOCIATION see **DISSOCIATIVE DISORDERS**

DISSOCIATIVE DISORDERS

ETIOLOGY

Ictal amnesia and fugue states. Rowan AJ, et al. **Adv Neurol** 1991;55:357–67 (57 ref.)

PSYCHOLOGY

The concept of dissociation. Counts RM. **J Am Acad Psychoanal** 1990 Fall;18(3):460–79 (24 ref.)
[Clinical aspects common to conversion symptoms and Anton–Babinski syndrome] Orengo García F. **Arch Neurobiol (Madr)** 1990 Sep–Oct;53(5):177–88 (55 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Trauma, dissociation, and multiple personality. Chu JA. **Compr Ther** 1990 Dec;16(12):35–40 (14 ref.)

DISTEMPER

EPIDEMIOLOGY

A review of the 1988 European seal morbillivirus epizootic. Kennedy S. **Vet Rec** 1990 Dec 8;127(23):563–7 (36 ref.)

DISTRIBUTED SYSTEMS see **COMPUTER COMMUNICATION NETWORKS**

DISULFIDES

CHEMISTRY

All fifteen possible arrangements of three disulfide bridges in proteins are known. Warne NW, et al. **Biochem Biophys Res Commun** 1990 Nov 15;172(3):1364–70 (86 ref.)

DISULFIRAM

THERAPEUTIC USE

Disulfiram: a guide to clinical use in alcoholism treatment. McNichol RW, et al. **Am Fam Physician** 1991 Aug; 44(2):481–4 (10 ref.)

DITERPENES

CHEMISTRY

Diterpenoids. Hanson JR. **Nat Prod Rep** 1990 Jun;7(3):149–64 (207 ref.)

PHARMACOLOGY

Resiniferatoxin and its analogs provide novel insights into the pharmacology of the vanilloid (capsaicin) receptor. Szallasi A, et al. **Life Sci** 1990;47(16):1399–408 (45 ref.)
Effects of zinc oxide, rosin and resin acids and their combinations on bacterial growth and inflammatory cells. Söderberg TA. **Scand J Plast Reconstr Surg Suppl** 1990; 22:1–87 (193 ref.)

DIURESIS

DRUG EFFECTS

[Changes in renal function induced by anesthesia] Mercatello A. **Ann Fr Anesth Reanim** 1990;9(6):507–24 (208 ref.) (Eng. Abstr.) **(Fre)**
[Clinical pharmacology of diuretics] Orlov VA, et al. **Klin Med (Mosk)** 1991 Feb;69(2):17–23 (11 ref.) **(Rus)**

DIURETICS

Diuretics [clinical conference] Rose BD. **Kidney Int** 1991 Feb;39(2):336–52 (155 ref.)

ADMINISTRATION & DOSAGE

The physiologic basis of diuretic synergism: its role in treating diuretic resistance. Ellison DH. **Ann Intern Med** 1991 May 15;114(10):886–94 (118 ref.)

ADVERSE EFFECTS

Quality of life during treatment of hypertensive patients with diuretics. Van Hoof R, et al. **Acta Cardiol** 1990; 45(5):393–401 (18 ref.)

DIAGNOSTIC USE

Interventions in renal scintigraphy. Fine EJ. **Semin Nucl Med** 1991 Apr;21(2):116–27 (57 ref.)

PHARMACOKINETICS

Effects of cardiovascular disease on pharmacokinetics. Rodighiero V. **Cardiovasc Drugs Ther** 1989 Oct;3(5):711–30 (168 ref.)

PHARMACOLOGY

The physiologic basis of diuretic synergism: its role in treating diuretic resistance. Ellison DH. **Ann Intern Med** 1991 May 15;114(10):886–94 (118 ref.)
Acute and long term effects of loop diuretics in heart failure. Krück F. **Drugs** 1991;41 Suppl 3:60–8 (38 ref.)
Effects of diuretics on outputs and flows of urine and urinary solutes in healthy subjects. Reyes AJ. **Drugs** 1991;41 Suppl 3:35–59 (56 ref.)
How do loop diuretics act? Wittner M, et al. **Drugs** 1991; 41 Suppl 3:1–13 (34 ref.)
Kappa agonists and vasopressin secretion. Hamon G, et al. **Horm Res** 1990;34(3–4):129–32 (52 ref.)
Cellular and molecular aspects of the renal effects of diuretic agents. Martinez–Maldonado M, et al. **Kidney Int** 1990 Oct; 38(4):632–41 (97 ref.)
Pharmacodynamic and kinetic considerations on diuretics as a basis for differential therapy. Knauf H, et al. **Klin Wochenschr** 1991 Apr 4;69(6):239–50 (57 ref.)
[Diuretics: mechanism of action and therapeutic indications] Rorive G, et al. **Rev Med Liege** 1990 Aug;45(8):365–74 (7 ref.) **(Fre)**
[Diuretics] Frey HH. **Tierarztl Prax** 1990 Aug;18(4):329–37 (25 ref.) (Eng. Abstr.) **(Ger)**
[Clinical pharmacology of diuretics] Orlov VA, et al. **Klin Med (Mosk)** 1991 Feb;69(2):17–23 (11 ref.) **(Rus)**

THERAPEUTIC USE

The relationship of sodium balance and concomitant diuretic therapy to blood pressure response with calcium channel entry blockers. Weinberger MH. **Am J Med** 1991 May 17; 90(5A):15S–20S (35 ref.)
The rationale for combined use of diuretics, digitalis, and vasodilators in congestive heart failure. Smith TW, et al. **Cardiovasc Drugs Ther** 1989 Mar;3(1):13–7 (30 ref.)
The role of adrenergic drugs in antihypertensive therapy. Itskovitz HD. **Cleve Clin J Med** 1991 Jan–Feb;58(1):79–93 (26 ref.)
Management of elevated intracranial pressure. Woster PS, et al. **Clin Pharm** 1990 Oct;9(10):762–72 (80 ref.)
The use of ibopamine in chronic renal failure: long–term results. Stefoni S, et al. **Contrib Nephrol** 1990;81:264–9 (14 ref.)
Traditional first–line therapy. Overview of medical benefits and side effects. Gifford RW Jr, et al. **Hypertension** 1989 May;13(5 Suppl):I119–24 (43 ref.)
Tailored therapy before transplantation for treatment of advanced heart failure: effective use of vasodilators and diuretics. Stevenson LW. **J Heart Lung Transplant** 1991 May–Jun;10(3):468–76 (21 ref.)
[Cardiac insufficiency in children. Mechanisms and treatment] Sassolas F, et al. **Pediatrie** 1991;46(3):229–35 (12 ref.) (Eng. Abstr.) **(Fre)**
[Diuretic therapy in the aged] Mutschler E, et al. **Verh Dtsch Ges Inn Med** 1990;96:265–73 (25 ref.) **(Ger)**
[New "diuretics" in therapy of ascites] Schölmerich J, et al. **Z Gastroenterol Verh** 1991 Mar;26:144–8 (43 ref.) **(Ger)**
[Use of diuretics in pregnancy] Shekhtman MM. **Akush Ginekol (Mosk)** 1991 May;(5):8–11 (24 ref.) **(Rus)**
[Treatment of ascites in liver cirrhosis] Geller LI. **Sov Med** 1991;(5):46–7 (32 ref.) **(Rus)**

DIURETICS, SULFAMYL

Torasemide. A review of its pharmacological properties and therapeutic potential. Friedel HA, et al. **Drugs** 1991 Jan; 41(1):81–103 (77 ref.)

PHARMACOLOGY

Clinical pharmacology of loop diuretics. Brater DC. **Drugs** 1991;41 Suppl 3:14–22 (40 ref.)
The loop diuretic torasemide in chronic renal failure. Pharmacokinetics and pharmacodynamics. Knauf H, et al. **Drugs** 1991;41 Suppl 3:23–34 (44 ref.)

THERAPEUTIC USE

Loop diuretics: a practical guide to their use and selection. Ujhelyi M. **Conn Med** 1991 Mar;55(3):162–5 (18 ref.)
Low dose loop diuretics in essential hypertension. Experience with torasemide. Achhammer I, et al. **Drugs** 1991;41 Suppl 3:80–91 (51 ref.)
The efficacy of diuretics in acute and chronic renal failure. Focus on torasemide. Risler T, et al. **Drugs** 1991;41 Suppl 3:69–79 (63 ref.)

DIURETICS, THIAZIDE

Antihypertensive medications: relative effectiveness and adverse reactions. Moser M. **J Hypertens Suppl** 1990 Jun; 8(2):S9–16 (39 ref.)

ADVERSE EFFECTS

An assault on old friends: thiazide diuretics under siege. Thompson WG. **Am J Med Sci** 1990 Sep;300(3):152–8; discussion 159–62 (70 ref.)
Insulin sensitivity and blood lipids during antihypertensive treatment with special reference to ACE inhibition. Pollare T. **J Diabetic Complications** 1990 Apr–Jun;4(2):75–8 (20 ref.)
The cardiotoxicity of thiazide diuretics: review of the evidence. Freis ED. **J Hypertens Suppl** 1990 Jun; 8(2):S23–32 (64 ref.)
Metabolic adverse effects of thiazide diuretics: the importance of normokalaemia. Andersson OK, et al. **J Intern Med Suppl** 1991;735:89–96 (60 ref.)

PHARMACOLOGY

Metabolic considerations in the choice of therapy for the patient with hypertension. Black HR. **Am Heart J** 1991 Feb;121(2 (Pt 2)):707–15 (74 ref.)

THERAPEUTIC USE

ACE inhibitors compared with thiazide diuretics as first–step antihypertensive therapy. Perry IJ, et al. **Cardiovasc Drugs Ther** 1989 Dec;3(6):815–9 (26 ref.)
Diuretics and cation transport in hypertensive blacks. Quintanilla AP, et al. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:383–7 (52 ref.)
Diuretic agents and beta–blockers in the treatment of hypertension. Dollery C. **Hypertension** 1989 May;13(5 Suppl):I62–5 (24 ref.)
Diuretics and blood pressure reduction: physiologic aspects. Birkenhäger WH. **J Hypertens Suppl** 1990 Jun;8(2):S3–7 (35 ref.)
Diuretics for elderly patients. Evans JG. **J Hypertens Suppl** 1990 Jun;8(2):S33–7 (23 ref.)
Long–term clinical trials in hypertension. Gifford RW Jr. **J Hypertens Suppl** 1990 Jun;8(2):S17–22 (23 ref.)
[Thiazide diuretics and calcium metabolism] Cronenberg A, et al. **Dtsch Med Wochenschr** 1991 Feb 15;116(7):270–1 (21 ref.) **(Ger)**

DIURNAL RHYTHM see **CIRCADIAN RHYTHM**

DIVALPROEX see **VALPROIC ACID**

DIVERTICULITIS

DIAGNOSIS

Cecal diverticulitis presented as a cecal tumor. Kaufman Z, et al. **Am Surg** 1990 Nov;56(11):675–7 (14 ref.)

DIVERTICULITIS, COLONIC

MICROBIOLOGY

Colonic diverticulitis: microbiologic, diagnostic, and therapeutic considerations. Duma RJ, et al. **Curr Clin Top Infect Dis** 1991;11:218–47 (133 ref.)

SURGERY

Surgical treatment of sigmoid diverticulitis. Church JM. **Schweiz Med Wochenschr** 1991 May 18;121(20):744–8 (10 ref.)
[Surgical treatment of sigmoid diverticulitis] Vayre P. **J Chir (Paris)** 1990 Nov;127(11):547–51 (32 ref.) (Eng. Abstr.) **(Fre)**

DIVERTICULOSIS

Review of duodenal diverticula. Afridi SA, et al. **Am J Gastroenterol** 1991 Aug;86(8):935–8 (38 ref.)

COMPLICATIONS

Juxtapapillary duodenal diverticula: association with biliary stone disease. De Koster E, et al. **Acta Gastroenterol Belg** 1990 May–Jun;53(3):338–43 (30 ref.)
Pharyngeal pouch carcinoma: two unusual cases. Burton MJ, et al. **J Laryngol Otol** 1990 Oct;104(10):821–3 (20 ref.)
[Leiomyosarcoma of the Meckel's diverticulum and multiple diverticulosis of the ileum. Apropos of a case] Amar A, et al. **J Chir (Paris)** 1990 Dec;127(12):598–600 (22 ref.) (Eng. Abstr.) **(Fre)**

[Diverticulum of the male urethra associated with calculosis. A clinical contribution] Rizza G, et al. **G Chir** 1988 Nov; 9(11):779–82 (8 ref.) (Eng. Abstr.) **(Ita)**

[A case of Menkes' kinky hair disease with a renal calculus and diverticula of the bladder] Iuchi H, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Jun;82(6):994–7 (9 ref.) (Eng. Abstr.) **(Jpn)**

[Nephrogenic adenoma in urethral diverticulum in women] Pamplona M, et al. **Actas Urol Esp** 1990 Jul–Aug; 14(4):277–8 (19 ref.) (Eng. Abstr.) **(Spa)**

CONGENITAL

[Congenital obstructive valves and diverticula of the anterior urethra] Jehannin B. **Chir Pediatr** 1990;31(3):173–80 (33 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Multiple ureteral diverticula: report of 2 cases and review of the literature. Wynant HP, et al. **Eur Urol** 1990; 18(4):309–10 (10 ref.)

ETIOLOGY

Anterior neopharyngeal diverticulum following laryngectomy. Sobol SM, et al. **Head Neck** 1990 Nov–Dec; 12(6):520–3 (6 ref.)

PATHOLOGY

[A case of nephrogenic adenoma in the female urethral diverticulum] Miyake O, et al. **Hinyokika Kiyo** 1990 Oct; 36(10):1189–92 (21 ref.) (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

[Female urethral diverticulum with lithiasis] Garrido Rivas C, et al. **Arch Esp Urol** 1990 Oct;43(8):911–4 (20 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Pathogenesis and endoscopic treatment of the hypopharyngeal (Zenker's) diverticulum. Wouters B, et al. **Acta Gastroenterol Belg** 1990 May–Jun;53(3):323–9 (16 ref.)

Endoscopic diverticulotomy for the treatment of Zenker's diverticulum. Wayman DM, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):448–52 (25 ref.)

Surgical treatment of concomitant urethral diverticulum and stress incontinence. Bass JS, et al. **Urol Clin North Am** 1991 May;18(2):365–73 (28 ref.)

[Pharyngoesophageal diverticula. Results of a series of 41 diverticulectomies] Mouroux J, et al. **Ann Chir** 1991; 45(5):391–5 (19 ref.) (Eng. Abstr.) **(Fre)**

[Aneurysm of the diverticulum of the ductus arteriosus in the adult] Ueno Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Aug;38(8):1356–61 (12 ref.) (Eng. Abstr.) **(Jpn)**

DIVERTICULOSIS, COLONIC

[Epidemiology, physiopathology and natural history of diverticulosis of the colon] Carbonnel F. **Ann Gastroenterol Hepatol (Paris)** 1991 Mar–Apr; 27(2):57–9 (21 ref.) **(Fre)**

ETIOLOGY

[Etiopathogenesis of colonic diverticular disease; role of dietary fiber and therapeutic perspectives] Melange M, et al. **Acta Gastroenterol Belg** 1990 May–Jun;53(3):346–50 (15 ref.) (Eng. Abstr.) **(Fre)**

[Diseases of the large intestine in the aged. Constipation—diverticulosis—tumors—ischemia] Kasper H. **Fortschr Med** 1990 Nov 30;108(34):647–50 (10 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[The thermogenic function of the large intestine and diverticulosis] Shagzh Z. **Sante Publique (Bucur)** 1990 Jan–Mar;33(1):61–7 (21 ref.) **(Fre)**

THERAPY

[Medical attitude toward colonic diverticulosis] Beaugerie L. **Ann Gastroenterol Hepatol (Paris)** 1991 Mar–Apr; 27(2):61–4 (21 ref.) **(Fre)**

DIVERTICULOSIS, ESOPHAGEAL see **ESOPHAGEAL DIVERTICULA**

DIVING

see related
DECOMPRESSION SICKNESS

Flying after diving guidelines: a review. Sheffield PJ. **Aviat Space Environ Med** 1990 Dec;61(12):1130–8 (57 ref.)

Aquatic and terrestrial bacteria in diving environments: monitoring and significance. Joseph SW, et al. **Undersea Biomed Res** 1991 May;18(3):187–91 (16 ref.)

Protection of recreational divers against water-borne microbiological hazards. Masterson BF. **Undersea Biomed Res** 1991 May;18(3):197–203 (61 ref.)

[Abnormalities of respiratory function in civil defence firefighter–submarine divers. Respective role of diving and occupational exposure related to occupational firefighter's functions] Barthelemy L, et al. **Rev Pneumol Clin** 1990; 46(6):271–6 (34 ref.) (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

[Diving accidents (3). Treatment of dysbaric embolism disorders] Desola Alá J. **Med Clin (Barc)** 1990 Sep 8; 95(7):265–75 (108 ref.) **(Spa)**

[Diving accidents (1). Decompression sickness] Desola Alà J. **Med Clin (Barc)** 1990 Jun 23;95(4):147–56 (101 ref.) **(Spa)**

[Diving accidents. 2. Respiratory barotrauma: a pulmonary over-pressure syndrome] Desola Alà J. **Med Clin (Barc)** 1990 Jun 30;95(5):183–90 (79 ref.) **(Spa)**

DIVORCE

LEGISLATION & JURISPRUDENCE

Possible explanations for child sexual abuse allegations in divorce. Faller KC. **Am J Orthopsychiatry** 1991 Jan; 61(1):86–91 (27 ref.)

PSYCHOLOGY

The long-term effects of divorce on children: a review. Wallerstein JS. **J Am Acad Child Adolesc Psychiatry** 1991 May;30(3):349–60 (54 ref.)

The role of behavior therapists in child custody cases. Emery RE, et al. **Prog Behav Modif** 1990;26:60–88 (75 ref.)

[Treatment of divorce families—considerations from the viewpoint of object relations theory and contextual therapy] Suess GJ. **Prax Kinderpsychol Kinderpsychiatr** 1990 Oct;39(8):278–83 (45 ref.) (Eng. Abstr.) **(Ger)**

DIZZINESS

ETIOLOGY

Disturbances of balance in the elderly. Luxon LM. **Br J Hosp Med** 1991 Jan;45(1):22–6 (48 ref.)

The dizzy patient: etiologic treatment. Brookler KH, et al. **Otolaryngol Head Neck Surg** 1990 Nov;103(5 (Pt 1)):677–80 (26 ref.)

DJUNGARIAN see **HAMSTERS**

DJUNGARIAN HAMSTER see **HAMSTERS**

DMBA see **9,10-DIMETHYL-1,2-BENZANTHRACENE**

DMF INDEX

Validation of oral status indicators. Jakobsen JR, et al. **Community Dent Health** 1990 Sep;7(3):279–84 (15 ref.)

DMSO see **DIMETHYL SULFOXIDE**

DNA

see related
GENETIC CODE
NUCLEIC ACID HYBRIDIZATION
REPETITIVE SEQUENCES, NUCLEIC ACID

The erythroenzymopathies. With particular reference to glucose-6-phosphate dehydrogenase deficiency and favism. Carcassi U, et al. **Ann Ital Med Int** 1988;3 Suppl 1:23–30 (20 ref.)

Photoreactions of furocoumarins with biomolecules. Cadet J, et al. **J Photochem Photobiol B** 1990 Jun;6(1–2):197–206 (59 ref.)

Genes of Acanthamoeba: DNA, RNA and protein sequences (a review). Byers TJ, et al. **J Protozool** 1990 Jul–Aug; 37(4):17S–25S (85 ref.)

DNA diagnostic tests: expanding role and evolving techniques. Danks DM. **Med J Aust** 1991 Jan 7;154(1):3–7 (7 ref.)

A view of interphase chromosomes. Manuelidis L. **Science** 1990 Dec 14;250(4987):1533–40 (72 ref.)

[An automated sequencing system for genomic DNA] Yakiyama M, et al. **Nippon Rinsho** 1990 Oct;48(10):2442–52 (6 ref.) **(Jpn)**

ANALYSIS

What's old and new in molecular phylogenetics. Marks J. **Am J Phys Anthropol** 1991 Jun;85(2):207–19 (65 ref.)

Standardization of the Feulgen reaction for absorption DNA image cytometry: a review. Schulte EK. **Anal Cell Pathol** 1991 May;3(3):167–82 (120 ref.)

New approaches in the diagnosis of Taenia solium cysticercosis and taeniasis. Flisser A, et al. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:95–8 (24 ref.)

Biotechnology as applied to vectors and vector control. Meredith SE, et al. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:113–8 (25 ref.)

HLA class II genes: typing by DNA analysis. Bidwell JL, et al. **Baillieres Clin Haematol** 1990 Apr;3(2):355–84 (83 ref.)

Molecular biology and leukaemia diagnosis. Worwood M, et al. **Baillieres Clin Haematol** 1990 Oct;3(4):949–76 (105 ref.)

Measurement of DNA adducts by immunoassays. Poirier MC, et al. **Basic Life Sci** 1990;53:1–11 (30 ref.)

Detection of human DNA adducts by 32P-postlabeling. Randerath K, et al. **Basic Life Sci** 1990;53:13–32 (70 ref.)

Immunologic methods for the detection of carcinogen adducts in humans. Santella RM, et al. **Basic Life Sci** 1990; 53:33–44 (28 ref.)

Lesion measurement in non-radioactive DNA by quantitative gel electrophoresis. Sutherland JC, et al. **Basic Life Sci** 1990;53:45–61 (39 ref.)

New DNA-analysis techniques (minireview). Coutelle C. **Biomed Biochim Acta** 1991;50(1):3–10 (27 ref.)

A review of techniques and results obtained in one laboratory by an integrated system of methods designed for routine clinical flow cytometric DNA analysis. Vindeløv LL, et al. **Cytometry** 1990;11(7):753–70 (44 ref.)

Genetic typing using automated electrophoresis and fluorescence detection. Robertson J, et al. **Experientia Suppl** 1991;58:391–8 (10 ref.)

PCR analysis of DNA sequences in single cells: single sperm gene mapping and genetic disease diagnosis. Arnheim N, et al. **Genomics** 1990 Nov;8(3):415–9 (18 ref.)

The technique of polymerase chain reaction--a new diagnostic tool in microbiology and other scientific fields (review). Thiele D. **Int J Med Microbiol** 1990 Sep; 273(4):431–54 (97 ref.)

Antibodies to DNA alkylation adducts as analytical tools in chemical carcinogenesis. Wild CP. **Mutat Res** 1990 Nov–Dec;233(1–2):219–33 (107 ref.)

Recent progress in the use of the technique of non-radioactive in situ hybridization histochemistry: new tools for molecular neurobiology. Kiyama H, et al. **Neurosci Res** 1990 Sep;9(1):1–21 (60 ref.)

The polymerase chain reaction: amplifying our options. Peter JB. **Rev Infect Dis** 1991 Jan–Feb;13(1):166–71 (50 ref.)

The magic and challenge of DNA probes as diagnostic reagents. Gillespie D. **Vet Microbiol** 1990 Sep; 24(3–4):217–33 (27 ref.)

Methodologies for in vitro nucleic acid amplification and their applications. Gingeras TR, et al. **Vet Microbiol** 1990 Sep;24(3–4):235–51 (30 ref.)

[DNA diagnosis in veterinary medicine: II. Polymerase chain reaction (PCR)] Hübscher U. **Schweiz Arch Tierheilkd** 1991;133(1):27–31 (23 ref.) (Eng. Abstr.) **(Ger)**

[DNA cytometry and automation in clinical diagnostics] Böcking A. **Verh Dtsch Ges Pathol** 1990;74:176–85 (32 ref.) (Eng. Abstr.) **(Ger)**

[Genetic diagnosis] Mitamura K. **Nippon Naika Gakkai Zasshi** 1991 Apr 10;80(4):629–33 (7 ref.) **(Jpn)**

[Progress in diagnostic techniques for high-sensitivity hormone analysis and DNA diagnosis] Miyai K. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):342–5 (6 ref.) **(Jpn)**

[DNA diagnosis] Murakami T. **Nippon Rinsho** 1991 Apr; 49(4):836–40 (8 ref.) **(Jpn)**

[DNA markers in the diagnosis and prophylaxis of internal diseases] Buraczyńska M, et al. **Pol Arch Med Wewn** 1990 Nov;84(5):302–8 (27 ref.) **(Pol)**

[Nucleic acid hybridization techniques] Cano R, et al. **Enferm Infecc Microbiol Clin** 1989 Mar;7(3):151–9 (26 ref.) **(Spa)**

CHEMICAL SYNTHESIS

Large-scale economic synthesis of antisense phosphorothioate analogues of DNA for preclinical investigations. Geiser T. **Ann N Y Acad Sci** 1990;616:173–83 (6 ref.)

CHEMISTRY

Europium chelate labels in time-resolved fluorescence immunoassays and DNA hybridization assays. Diamandis EP, et al. **Anal Chem** 1990 Nov 15;62(22):1149A–1157A (34 ref.)

Direct observation and manipulation of single DNA molecules using fluorescence microscopy. Bustamante C. **Annu Rev Biophys Biophys Chem** 1991;20:415–46 (89 ref.)

Ultrasonic velocimetry of biological compounds. Sarvazyan AP. **Annu Rev Biophys Biophys Chem** 1991;20:321–42 (135 ref.)

Determination of DNA and protein structures in solution via complete relaxation matrix analysis of 2D NOE spectra. James TL, et al. **Basic Life Sci** 1990;56:135–54 (29 ref.)

Construction of three-dimensional stick figures from branched DNA. Seeman NC. **DNA Cell Biol** 1991 Sep; 10(7):475–86 (63 ref.)

Fluctuating bond model of DNA gel electrophoresis. Schönherr G, et al. **Electrophoresis** 1991 Jun;12(6):432–5 (25 ref.)

Restriction endonucleases in the study of eukaryotic chromosomes. López-Fernández C, et al. **Genetica** 1991; 83(3):257–74 (97 ref.)

Molecular cloning and sequence analysis of full-length cDNA coding for mouse contrapsin. Suzuki Y, et al. **J Biochem (Tokyo)** 1990 Sep;108(3):344–6 (15 ref.)

Helical interactions in homologous pairing and strand exchange driven by RecA protein. Radding CM. **J Biol Chem** 1991 Mar 25;266(9):5355–8 (25 ref.)

Four-stranded nucleic acid structures 25 years later: from guanosine gels to telomer DNA. Guschlbauer W, et al. **J Biomol Struct Dyn** 1990 Dec;8(3):491–511 (88 ref.)

Constituents of nucleic acids: overview and strategy. McCloskey JA. **Methods Enzymol** 1990;193:771–81 (56 ref.)
Polyamine–DNA nexus: structural ramifications and biological implications. Balasundaram D, et al. **Mol Cell Biochem** 1991 Feb 2;100(2):129–40 (103 ref.)
Why do O6-alkylguanine and O4-alkylthymine miscode? The relationship between the structure of DNA containing O6-alkylguanine and O4-alkylthymine and the mutagenic properties of these bases. Swann PF. **Mutat Res** 1990 Nov–Dec;233(1–2):81–94 (57 ref.)
Stable DNA loops in vivo and in vitro: roles in gene regulation at a distance and in biophysical characterization of DNA. Bellomy GR, et al. **Prog Nucleic Acid Res Mol Biol** 1990;39:81–128 (159 ref.)
DNA topoisomerases: enzymes that change the shape of DNA. Austin CA, et al. **Sci Prog** 1990;74(294 Pt 2):147–61 (25 ref.)
Protein motifs that recognize structural features of DNA. Churchill ME, et al. **Trends Biochem Sci** 1991 Mar; 16(3):92–7 (33 ref.)
[Psoralens as probes in the study of the structure and function of nucleic acids] Czyż M. **Postepy Biochem** 1989; 35(4):591–608 (153 ref.) **(Pol)**
["Tie" calorimetry: theory and experiment] Karapetian AT. **Mol Biol (Mosk)** 1991 Mar–Apr;25(2):325–36 (48 ref.) (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Diagnosis of digestive tract cancer using cDNA probe and monoclonal antibody. Imai K. **Jpn J Med** 1990 Nov–Dec; 29(6):659–61 (7 ref.)

DRUG EFFECTS

Dose-response relationships in chemical carcinogenesis: from DNA adducts to tumor incidence. Lutz WK. **Adv Exp Med Biol** 1991;283:151–6 (14 ref.)
Molecular targets of chemical mutagens. Preston BD, et al. **Adv Exp Med Biol** 1991;283:193–209 (153 ref.)
DNA intercalating anti-tumour agents. Baguley BC. **Anticancer Drug Des** 1991 Feb;6(1):1–35 (270 ref.)
Antitumor imidazotetrazinones: prodrugs targeted to the major groove of DNA. Stevens MF. **Farmaco** 1991 Jan;46(1 Suppl):147–59 (39 ref.)
Genetic activity profiles--application in assessing potential carcinogenicity of complex environmental mixtures. Waters MD, et al. **IARC Sci Publ** 1990;(104):75–88 (23 ref.)
Cisplatin and radiation: interaction probabilities and therapeutic possibilities. Begg AC. **Int J Radiat Oncol Biol Phys** 1990 Nov;19(5):1183–9 (46 ref.)
The genetic toxicology of 5-bromodeoxyuridine in mammalian cells. Morris SM. **Mutat Res** 1991 Sep; 258(2):161–88 (324 ref.)
Metabolism and mechanism of action of 5-fluorouracil. Parker WB, et al. **Pharmacol Ther** 1990;48(3):381–95 (133 ref.)

GENETICS

DNA sequence changes in aging: how frequent, how important? Vijg J. **Aging (Milano)** 1990 Jun;2(2):105–23 (128 ref.)
Structural features of the core proteins of human airway mucins ascertained by cDNA cloning. Porchet N, et al. **Am Rev Respir Dis** 1991 Sep;144(3 Pt 2):S15–8 (28 ref.)
Progress in the DNA diagnosis of hemophilias. Goossens M, et al. **Ann Hematol** 1991 Apr;62(4):115–8 (27 ref.)
DNA processing, aging, and cancer. The impact of new technology. Vijg J, et al. **Ann N Y Acad Sci** 1991;621:53–65 (38 ref.)
Statistical methods and insights for protein and DNA sequences. Karlin S, et al. **Annu Rev Biophys Biophys Chem** 1991;20:175–203 (103 ref.)
Biochemistry of genetic recombination: energetics and mechanism of DNA strand exchange. Kowalczykowski SC. **Annu Rev Biophys Biophys Chem** 1991;20:539–75 (123 ref.)
Use of DNA polymorphisms for genetic analysis of non-insulin dependent diabetes mellitus. Permutt MA. **Baillieres Clin Endocrinol Metab** 1991 Sep;5(3):495–526 (100 ref.)
A novel mechanism for eukaryotic gene expression. The involvement of DNA tertiary structure in estrogen receptor recognition of its target nucleotide sequence. Lannigan DA, et al. **Biochem Pharmacol** 1990 Dec 15;40(12):2579–85 (41 ref.)
Prospects for nucleic acid biosensors. Downs ME. **Biochem Soc Trans** 1991 Feb;19(1):39–43 (21 ref.)
The structure of the mammalian centromere. Rattner JB. **Bioessays** 1991 Feb;13(2):51–6 (34 ref.)
Overview and principles of in-situ hybridization. Nakamura RM. **Clin Biochem** 1990 Aug;23(4):255–9 (19 ref.)
Current concepts in quantitative molecular hybridization. Thompson JD, et al. **Clin Biochem** 1990 Aug;23(4):261–6 (28 ref.)
Prenatal diagnosis of the neurofibromatoses. Pulst SM. **Clin Perinatol** 1990 Dec;17(4):829–44 (31 ref.)
Replication origins, factors and attachment sites. Gasser SM. **Curr Opin Cell Biol** 1991 Jun;3(3):407–13 (42 ref.)
Sex chromosome-specific DNA sequences. Davies KE, et al. **Differentiation** 1983;23 Suppl:S44–7 (39 ref.)
Evolutionary conservation of sex specific DNA sequences. Jones KW. **Differentiation** 1983;23 Suppl:S56–9 (24 ref.)
DNA markers and biological vulnerability markers in families multiply affected with schizophrenia. Blackwood D, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;240(3):191–6 (38 ref.)
The molecular genetics of schizophrenia: an overview and forward view. McGuffin P, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;240(3):169–73 (27 ref.)
DNA and classical genetic markers in schizophrenia. Owen MJ, et al. **Eur Arch Psychiatry Clin Neurosci** 1991; 240(3):197–203 (62 ref.)
Computer analysis of DNA and protein sequences. von Heijne G. **Eur J Biochem** 1991 Jul 15;199(2):253–6 (44 ref.)
DNA sequencing: present limitations and prospects for the future. Barrell B. **FASEB J** 1991 Jan;5(1):40–5 (32 ref.)
Applications of the polymerase chain reaction to genome analysis. Rose EA. **FASEB J** 1991 Jan;5(1):46–54 (45 ref.)
Grammatical analysis of DNA sequences provides a rationale for the regulatory control of an entire chromosome. Ohno S. **Genet Res** 1990 Oct–Dec;56(2–3):115–20 (7 ref.)
Coinjection of Xenopus oocytes with cDNA-produced and native mRNAs: a molecular biological approach to the tissue-specific processing of human cholinesterases. Seidman S, et al. **Int Rev Neurobiol** 1990;32:107–39 (138 ref.)
Heterogeneity of phenylketonuria at the clinical, protein and DNA levels. Cotton RG. **J Inherit Metab Dis** 1990; 13(5):739–50 (58 ref.)
DNA methylation in eukaryotic chromosome stability. Smith SS. **Mol Carcinog** 1991;4(2):91–2 (8 ref.)
Frameshift mutagenesis by acridines and other reversibly-binding DNA ligands. Ferguson LR, et al. **Mutagenesis** 1990 Nov;5(6):529–40 (94 ref.)
DNA damage metabolism and aging. Mullaart E, et al. **Mutat Res** 1990 Sep–Nov;237(5–6):189–210 (202 ref.)
Structure and function of telomeres. Blackburn EH. **Nature** 1991 Apr 18;350(6319):569–73 (74 ref.)
Complete coding sequence of a human B-raf cDNA and detection of B-raf protein kinase with isozyme specific antibodies. Sithanandam G, et al. **Oncogene** 1990 Dec; 5(12):1775–80 (33 ref.)
Direct DNA transfer to plant cells. Davey MR, et al. **Plant Mol Biol** 1989 Sep;13(3):273–85 (98 ref.)
Amplification of DNA sequences in mammalian cells. Hamlin JL, et al. **Prog Nucleic Acid Res Mol Biol** 1991;41:203–39 (241 ref.)
Interaction of drugs with extranuclear genetic elements and its consequences. Ebringer L. **Teratogenesis Carcinog Mutagen** 1990;10(6):477–501 (224 ref.)
DNA technology: the fourth generation in parentage testing [editorial] Walker RH, et al. **Transfusion** 1991 Jun; 31(5):383–5 (42 ref.)
Toward an understanding of plant gene regulation: the action of nuclear factors. Weising K, et al. **Z Naturforsch [C]** 1991 Jan–Feb;46(1–2):1–11 (131 ref.)
[Principles of DNA diagnosis exemplified by cystic fibrosis] Peinemann F, et al. **Monatsschr Kinderheilkd** 1991 Feb; 139(2):83–8 (20 ref.) (Eng. Abstr.) **(Ger)**
[Polymerase chain reaction: an overview] Linz U, et al. **Naturwissenschaften** 1990 Nov;77(11):515–30 (53 ref.) (Eng. Abstr.) **(Ger)**
[PCR: DNA amplification from histological sections] Rabes H, et al. **Verh Dtsch Ges Pathol** 1990;74:301–18 (45 ref.) (Eng. Abstr.) **(Ger)**
[Gene expression in the cells of the central nervous system] Takahashi Y. **Seikagaku** 1991 Apr;63(4):253–81 (199 ref.) **(Jpn)**
[Domain structure of active chromatin] Hirose S. **Tanpakushitsu Kakusan Koso** 1990 Dec;35(16):2859–65 (32 ref.) **(Jpn)**
[From nucleic acids to proteins] Ikehara M. **Yakugaku Zasshi** 1991 Mar;111(3):170–81 (10 ref.) (Eng. Abstr.) **(Jpn)**
[Cytochrome P-450 in human fetal liver. Properties of P-450 HFLa,a form of cytochrome P-450 in human fetal livers] Kitada M. **Yakugaku Zasshi** 1991 Mar;111(3):158–69 (38 ref.) (Eng. Abstr.) **(Jpn)**
[Interactions between Eco RI restriction endonuclease and DNA] Koziołkiewicz M. **Postepy Biochem** 1991; 37(1):23–32 (46 ref.) **(Pol)**
[Methods of DNA mutagenesis in vitro] Mejnartowicz M, et al. **Postepy Biochem** 1990;36(3–4):5–16 (157 ref.) **(Pol)**
[Current methods of DNA sequencing] Wrzesiński J, et al. **Postepy Biochem** 1990;36(1–2):21–31 (147 ref.) **(Pol)**
[Molecular mechanisms of mutagenesis caused by apurinic/apyrimidinic DNA sites] Ivanov EL. **Genetika** 1991 Jan;27(1):5–12 (45 ref.) (Eng. Abstr.) **(Rus)**
[Strategy for DNA sequencing: use of transposing elements] Glukhov IL. **Mol Biol (Mosk)** 1990 Sep–Oct;24(5):1200–10 (98 ref.) (Eng. Abstr.) **(Rus)**
[Molecular drive] Vol'kenshteĭn MV. **Mol Biol (Mosk)** 1990 Sep–Oct;24(5):1181–99 (62 ref.) (Eng. Abstr.) **(Rus)**
[Extrachromosomal DNA in mammalian cells] Sal'nokov KV. **Tsitologiia** 1990;32(11):1061–71 (58 ref.) (Eng. Abstr.) **(Rus)**
[Nucleic acid hybridization: its principles and applications] García M. **Bol Of Sanit Panam** 1990 Sep;109(3):244–57 (56 ref.) (Eng. Abstr.) **(Spa)**
[DNA amplification and its application in medicine] Estivill X, et al. **Med Clin (Barc)** 1991 Mar 9;96(9):341–9 (113 ref.) **(Spa)**
[DNA polymorphism in the biological investigation of paternity. Current status] Gené M, et al. **Med Clin (Barc)** 1991 Jun 15;97(3):110–4 (26 ref.) **(Spa)**
[Molecular biology in gastroenterology. 1. Genes and DNA recombinant techniques] González L, et al. **Rev Gastroenterol Mex** 1990 Apr–Jun;55(2):91–100 (9 ref.) **(Spa)**
[DNA diagnostics on the way to general clinical care] Landegren U. **Lakartidningen** 1991 Jun 19;88(25):2300–3 (8 ref.) (Eng. Abstr.) **(Swe)**
[DNA analyses in forensic investigations] Lindblom B, et al. **Lakartidningen** 1991 May 29;88(22):2055–9 (14 ref.) (Eng. Abstr.) **(Swe)**

IMMUNOLOGY

Immunochemistry of DNA. Stollar BD. **Int Rev Immunol** 1989;5(1):1–22 (208 ref.)
DNA antibody idiotypes. An analysis of their role in health and disease. Isenberg DA, et al. **J Autoimmun** 1990 Aug; 3(4):339–55; discussion 355–6 (103 ref.)
The characterization of DNA antibody idiotypes--a description. Rauch J, et al. **J Autoimmun** 1990 Aug; 3(4):357–66; discussion 367–75 (30 ref.)

ISOLATION & PURIFICATION

Sieving by agarose gels and its use during pulsed-field electrophoresis. Serwer P. **Biotechnol Genet Eng Rev** 1990; 8:319–43 (127 ref.)
Principles and practice of DNA filter elution. Kohn KW. **Pharmacol Ther** 1991;49(1–2):55–77 (111 ref.)
Studies leading to the isolation of a cDNA for the gene causing retinal degeneration in the rd mouse. Farber DB, et al. **Prog Clin Biol Res** 1991;362:67–86 (30 ref.)

METABOLISM

Human health risk assessment and biological reactive intermediates: hemoglobin binding. Ehrenberg L, et al. **Adv Exp Med Biol** 1991;283:641–7 (40 ref.)
Covalent bonding of bay-region diol epoxides to nucleic acids. Jerina DM, et al. **Adv Exp Med Biol** 1991;283:533–53 (78 ref.)
Electrophilic sulfuric acid ester metabolites of hydroxy-methyl aromatic hydrocarbons as precursors of hepatic benzylic DNA adducts in vivo. Miller JA, et al. **Adv Exp Med Biol** 1991;283:555–67 (35 ref.)
Sequence specificity in the binding of anti-tumour anthracyclines to DNA: a success of theory. Pullman B. **Anticancer Drug Des** 1991 May;6(2):95–105 (37 ref.)
DNA topoisomerase II as the primary target of anti-tumor anthracyclines. Zunino F, et al. **Anticancer Drug Des** 1990 Nov;5(4):307–17 (50 ref.)
Structural aspects of protein-DNA recognition. Freemont PS, et al. **Biochem J** 1991 Aug 15;278 (Pt 1):1–23 (169 ref.)
The glucocorticoid receptor. Muller M, et al. **Biochim Biophys Acta** 1991 Feb 16;1088(2):171–82 (113 ref.)
An overview of homologous pairing and DNA strand exchange proteins. Eggleston AK, et al. **Biochimie** 1991 Feb–Mar;73(2–3):163–76 (100 ref.)
RecA-DNA helical filaments in genetic recombination. Stasiak AZ, et al. **Biochimie** 1991 Feb–Mar;73(2–3):199–208 (31 ref.)
Co-ordination of multiple DNA molecules in RecA fiber evidenced by linear dichroism spectroscopy. Takahashi M, et al. **Biochimie** 1991 Feb–Mar;73(2–3):219–26 (39 ref.)
Sequence-selective DNA recognition by synthetic ligands. Nielsen PE. **Bioconjug Chem** 1991 Jan–Feb;2(1):1–12 (139 ref.)
DNA packaging and organization in mammalian spermatozoa: comparison with somatic cells. Ward WS, et al. **Biol Reprod** 1991 Apr;44(4):569–74 (52 ref.)
Heat shock factor and the heat shock response. Sorger PK. **Cell** 1991 May 3;65(3):363–6 (29 ref.)
Histone structure and function. Smith MM. **Curr Opin Cell Biol** 1991 Jun;3(3):429–37 (47 ref.)
Histone H1-DNA interactions and their relation to chromatin structure and function. Zlatanova J, et al. **DNA Cell Biol** 1991 May;10(4):239–48 (98 ref.)
DNA methylation and chromatin structure. Lewis J, et al. **FEBS Lett** 1991 Jul 22;285(2):155–9 (23 ref.)
Allosteric mechanism of enhancer action? Studitsky VM. **FEBS Lett** 1991 Mar 11;280(1):5–7 (20 ref.)
POU-domain transcription factors: pou-er-ful developmental regulators. Rosenfeld MG. **Genes Dev** 1991 Jun;5(6):897–907 (84 ref.)
Biomonitoring of human exposure to alkylating agents by measurement of adducts to haemoglobin or DNA. Farmer PB, et al. **IARC Sci Publ** 1991;(105):71–7 (26 ref.)
Complex mixtures of urban air pollutants: identification and comparative assessment of mutagenic and tumorigenic chemicals and emission sources. Lewtas J, et al. **IARC Sci Publ** 1990;(104):252–60 (32 ref.)
Approaches to detecting individual exposure to carcinogens. Montesano R. **IARC Sci Publ** 1990;(104):11–9 (56 ref.)
DNA adduct formation in human and mouse skin by mixtures of polycyclic aromatic hydrocarbons. Phillips DH, et al. **IARC Sci Publ** 1990;(104):223–9 (15 ref.)
Histone acetylation: recent approaches to a basic mechanism of genome organization. Pfeffer U, et al. **Int J Biochem** 1991;23(3):277–85 (78 ref.)

The contents of proteins, carbohydrates, lipids and DNA during the embryogenesis of Drosophila. Medina M, et al. **Int J Dev Biol** 1989 Sep;33(3):403–5 (14 ref.)
Implications and concepts of polyamine–nucleic acid interactions. Feuerstein BG, et al. **J Cell Biochem** 1991 May;46(1):37–47 (60 ref.)
Molecular genetics of phosphorylase kinase: cDNA cloning, chromosomal mapping and isoform structure. Kilimann MW. **J Inherited Metab Dis** 1990;13(4):435–41 (26 ref.)
On the regulation of DNA methylation by higher–order structure in the cell nucleus. Aranda–Anzaldo A. **Med Hypotheses** 1991 Jan;34(1):81–7 (40 ref.)
DNA sequence specific interactions of histone H1. Zlatanova J, et al. **Mol Biol Rep** 1991 Feb;15(1):53–6 (24 ref.)
Interactions among a subfamily of nuclear hormone receptors: the regulatory zipper model. Forman BM, et al. **Mol Endocrinol** 1990 Sep;4(9):1293–301 (88 ref.)
Regulation of EGF receptor expression and function. Gill GN. **Mol Reprod Dev** 1990 Sep;27(1):46–53 (0 ref.)
Role of DNA methylation in the activation of proto–oncogenes and the induction of pulmonary neoplasia by nitrosamines. Belinsky SA, et al. **Mutat Res** 1990 Nov–Dec;233(1–2):105–16 (44 ref.)
Immunocytochemical analysis of in vivo DNA modification. den Engelse L, et al. **Mutat Res** 1990 Nov–Dec; 233(1–2):265–87 (141 ref.)
DNA alkylation damage: consequences and relevance to tumour production. Hall J, et al. **Mutat Res** 1990 Nov–Dec; 233(1–2):247–52 (45 ref.)
Physiological properties and repair of apurinic/apyrimidinic sites and imidazole ring–opened guanines in DNA. Laval J, et al. **Mutat Res** 1990 Nov–Dec;233(1–2):73–9 (56 ref.)
DNA alkylation by the haloethylnitrosoureas: nature of modifications produced and their enzymatic repair or removal. Ludlum DB. **Mutat Res** 1990 Nov–Dec; 233(1–2):117–26 (38 ref.)
Sequence–dependent formation of alkyl DNA adducts: a review of methods, results, and biological correlates. Richardson FC, et al. **Mutat Res** 1990 Nov–Dec; 233(1–2):127–38 (59 ref.)
Macromolecular adducts of ethylene oxide: a literature review and a time–course study on the formation of 7–(2–hydroxyethyl)guanine following exposures of rats by inhalation. Walker VE, et al. **Mutat Res** 1990 Nov–Dec; 233(1–2):151–64 (91 ref.)
The relationship between glucocorticoid receptor binding to Hsp90 and receptor function. Pratt WB, et al. **Nippon Naibunpi Gakkai Zasshi** 1990 Dec 20; 66(12):1185–97 (66 ref.)
DNA–protein interactions: the use of synthetic oligo– and polynucleotides for studying single–stranded–DNA–binding proteins and restriction endonucleases. Gromova ES, et al. **Prog Nucleic Acid Res Mol Biol** 1990;39:1–47 (71 ref.)
Studying DNA modifications and DNA–protein interactions in vivo. A window onto the native genome. Saluz HP, et al. **Trends Genet** 1991 Jul;7(7):207–11 (27 ref.)

PHYSIOLOGY

Molecular genetics of eukaryotic DNA excision repair. Hoeijmakers JH, et al. **Cancer Cells** 1990 Oct;2(10):311–20 (65 ref.)
[The role of endogenous endonucleases in programmed cell death] Rzepecki R, et al. **Postepy Biochem** 1991;37(1):18–23 (49 ref.) **(Pol)**

RADIATION EFFECTS

Nuclear glutathione transferases which detoxify irradiated DNA. Ketterer B, et al. **Adv Exp Med Biol** 1990;264:301–10 (35 ref.)
DNA photorepair: chromophore composition and function in two classes of DNA photolyases. Jorns MS. **Biofactors** 1990 Oct;2(4):207–11 (46 ref.)
DNA double–strand breaks: their repair and relationship to cell killing in yeast. Frankenberg–Schwager M, et al. **Int J Radiat Biol** 1990 Oct;58(4):569–75 (26 ref.)
Cisplatin and radiation: interaction probabilities and therapeutic possibilities. Begg AC. **Int J Radiat Oncol Biol Phys** 1990 Nov;19(5):1183–9 (46 ref.)
Laser–induced strand break formation in DNA and polynucleotides. Schulte–Frohlinde D, et al. **Photochem Photobiol** 1990 Dec;52(6):1137–51 (58 ref.)
Damage to DNA and chromatin structure from ionizing radiations, and the radiation sensitivities of mammalian cells. Lett JT. **Prog Nucleic Acid Res Mol Biol** 1990; 39:305–52 (160 ref.)
Induction, repair and biological relevance of radiation–induced DNA lesions in eukaryotic cells. Frankenberg–Schwager M. **Radiat Environ Biophys** 1990; 29(4):273–92 (149 ref.)
DNA–radicals as structural monitors of direct radiation action: sensitization by incorporation of 5–halouracils. Hüttermann J. **Radiat Environ Biophys** 1991;30(2):71–9 (37 ref.)
DNA damage and repair following treatment with ionizing radiation. Powell S, et al. **Radiother Oncol** 1990 Oct; 19(2):95–108 (78 ref.)

ULTRASTRUCTURE

Biological applications of scanning probe microscopes. Engel A. **Annu Rev Biophys Biophys Chem** 1991;20:79–108 (134 ref.)
Ultrastructure of somatic and meiotic nucleoids. Glazkov MV. **Electron Microsc Rev** 1989;2(2):197–229 (122 ref.)

DNA, BACTERIAL

Ribosomal DNA fingerprinting of Listeria monocytogenes using a digoxigenin–labeled DNA probe. Graves LM, et al. **Eur J Epidemiol** 1991 Jan;7(1):77–82 (19 ref.)
Methods for the identification of DNA hybridization groups in the genus Aeromonas. Altwegg M, et al. **Experientia** 1991 May 15;47(5):403–6 (16 ref.)
msDNA of bacteria. Lampson BC, et al. **Prog Nucleic Acid Res Mol Biol** 1991;40:1–24 (55 ref.)

ADMINISTRATION & DOSAGE

Delivery systems for gene therapy. Wu GY, et al. **Biotherapy** 1991;3(1):87–95 (34 ref.)

ANALYSIS

Nucleic acid based methods for detection of mycobacteria. Terpstra WJ. **Bull Int Union Tuberc Lung Dis** 1990 Jun–Sep;65(2–3):63–6 (9 ref.)
Screening of natural products for antimicrobial agents. Silver L, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul; 9(7):455–61 (27 ref.)
Evaluation and interpretation of data obtained with immunoassays and DNA–DNA hybridization techniques. Notermans S, et al. **Int J Food Microbiol** 1990 Aug; 11(1):35–49 (79 ref.)
The use of genomic DNA fingerprinting in studies of the epidemiology of bacteria in periodontitis. Genco RJ, et al. **J Clin Periodontol** 1991 Jul;18(6):396–405 (63 ref.)
Large plasmids in bacteria. Part 1. A survey of associated phenotypes. Hardman DJ, et al. **Microbiol Sci** 1985; 2(3):90–4 (42 ref.)
[Uses of analysis of bacterial DNA in epidemiological survey] Su Q, et al. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1991 Feb; 12(1):53–5 (20 ref.) **(Chi)**

CHEMISTRY

Social and developmental biology of the myxobacteria. Shimkets LJ. **Microbiol Rev** 1990 Dec;54(4):473–501 (287 ref.)
A possible role for DNA restriction in bacterial evolution. Price C, et al. **Microbiol Sci** 1986 Oct;3(10):296–9 (25 ref.)

DRUG EFFECTS

Mode of action of the new quinolones: new data. Hooper DC, et al. **Eur J Clin Microbiol Infect Dis** 1991 Apr; 10(4):223–31 (52 ref.)

GENETICS

DNA sequence analysis of bacterial toxic heavy metal resistances. Silver S, et al. **Biol Trace Elem Res** 1989 Jul–Sep;21:145–63 (44 ref.)
Control of plasmid replication—how do DNA iterons set the replication frequency? Nordström K. **Cell** 1990 Dec 21;63(6):1121–4 (21 ref.)
Elements in microbial evolution. Arber W. **J Mol Evol** 1991 Jul;33(1):4–12 (25 ref.)
Determinants of DNA sequence divergence between Escherichia coli and Salmonella typhimurium: codon usage, map position, and concerted evolution. Sharp PM. **J Mol Evol** 1991 Jul;33(1):23–33 (55 ref.)
Mechanisms in microbial evolution. Arber W. **J Struct Biol** 1990 Jul–Sep;104(1–3):107–11 (17 ref.)
Agrobacterium in plant disease, biological disease control and plant genetic engineering. Clare BG. **Sci Prog** 1990; 74(293 Pt 1):1–13 (23 ref.)
[Factors for activation of the replication origin of the E. coli chromosome] Asai T. **Idengaku Zasshi** 1991 Feb; 66(1):85–107 (46 ref.) **(Jpn)**
[Origin of DNA replication of filamentous coliphages] Horiuchi K. **Idengaku Zasshi** 1990 Aug;65(4):225–41 (48 ref.) **(Jpn)**

ISOLATION & PURIFICATION

Methods for isolating large bacterial plasmids. Gowland PC, et al. **Microbiol Sci** 1986 Aug;3(8):252–4 (26 ref.)

METABOLISM

The RecA protein: structure and function. Roca AI, et al. **Crit Rev Biochem Mol Biol** 1990;25(6):415–56 (192 ref.)

PHYSIOLOGY

DNA supercoiling and environmental regulation of gene expression in pathogenic bacteria. Dorman CJ. **Infect Immun** 1991 Mar;59(3):745–9 (58 ref.)

DNA–BINDING PROTEINS

see related
DNA REPLICATION
LEUCINE ZIPPERS
ZINC FINGERS

Cyclic AMP response element binding proteins: a cornucopia of transcription factors. Habener JF. **Mol Endocrinol** 1990 Aug;4(8):1087–94 (72 ref.)

CHEMISTRY

Structural aspects of protein–DNA recognition. Freemont PS, et al. **Biochem J** 1991 Aug 15;278 (Pt 1):1–23 (169 ref.)
The single–stranded DNA–binding protein of Escherichia coli. Meyer RR, et al. **Microbiol Rev** 1990 Dec;54(4):342–80 (432 ref.)

GENETICS

Nuclear proto–oncogenes fos and jun. Ransone LJ, et al. **Annu Rev Cell Biol** 1990;6:539–57 (114 ref.)
Stimulus–transcription coupling in the nervous system: involvement of the inducible proto–oncogenes fos and jun. Morgan JI, et al. **Annu Rev Neurosci** 1991;14:421–51 (177 ref.)
Krox–20: a candidate gene for the regulation of pattern formation in the hindbrain. Gilardi P, et al. **Biochimie** 1991 Jan;73(1):85–91 (53 ref.)
Myc meets its Max. Cole MD. **Cell** 1991 May 31;65(5):715–6 (20 ref.)
Heat shock factor and the heat shock response. Sorger PK. **Cell** 1991 May 3;65(3):363–6 (29 ref.)
Allosteric mechanism of enhancer action? Studitsky VM. **FEBS Lett** 1991 Mar 11;280(1):5–7 (20 ref.)
Phenotype suppression: a postulated molecular mechanism for mediating the relationship of proliferation and differentiation by Fos/Jun interactions at AP–1 sites in steroid responsive promoter elements of tissue–specific genes. Lian JB, et al. **J Cell Biochem** 1991 Jan;45(1):9–14 (38 ref.)
Protein H1: a role for chromatin structure in the regulation of bacterial gene expression and virulence? Higgins CF, et al. **Mol Microbiol** 1990 Dec;4(12):2007–12 (52 ref.)
Fos–jun and the primary genomic response in the nervous system. Possible physiological role and pathophysiological significance. Doucet JP, et al. **Mol Neurobiol** 1990 Spring–Summer;4(1–2):27–55 (205 ref.)
Synergistic activation of eukaryotic transcription: the multiacceptor target hypothesis. Herbomel P. **New Biol** 1990 Dec;2(12):1063–70 (70 ref.)
The ski oncogene. Sutrave P, et al. **Oncogene** 1991 Mar; 6(3):353–6 (13 ref.)
The etiology of XX sex reversal. de la Chapelle A, et al. **Reprod Nutr Dev** 1990;Suppl 1:39s–49s (30 ref.)
The myoD gene family: nodal point during specification of the muscle cell lineage. Weintraub H, et al. **Science** 1991 Feb 15;251(4995):761–6 (69 ref.)
Fos and jun: two into one will go. Woodgett JR. **Semin Cancer Biol** 1990 Dec;1(6):389–97 (69 ref.)
Transcription factor regulation of hematopoietic lineage cells. Engel JD, et al. **Semin Hematol** 1991 Apr;28(2):158–69 (49 ref.)
The ZFY gene family in humans and mice. Koopman P, et al. **Trends Genet** 1991 Apr;7(4):132–6 (34 ref.)
[Role of chromosome Y in sex determination (editorial)] Petit C. **Presse Med** 1991 Mar 30;20(12):539–40 (9 ref.) **(Fre)**
[Sex–determination in Drosophila melanogaster: mechanism of sex–specific splicing] Inoue K, et al. **Tanpakushitsu Kakusan Koso** 1991 Jun;36(8):1487–96 (25 ref.) **(Jpn)**

METABOLISM

The physiological role of eubacterial histone–like proteins. Paterczyk B. **Acta Microbiol Pol** 1989;38(3–4):207–15 (29 ref.)
The Egr family of nuclear signal transducers. Sukhatme VP. **Am J Kidney Dis** 1991 Jun;17(6):615–8 (20 ref.)
Protein–priming of DNA replication. Salas M. **Annu Rev Biochem** 1991;60:39–71 (353 ref.)
The transactivator GAL4: co–activators, adaptors and chromatin. Stanway CA. **Bioessays** 1991 May;13(5):241–2 (16 ref.)
What determines the specificity of action of Drosophila homeodomain proteins? [published erratum appears in Cell 1991 Mar 8;64(5):following 1046] Hayashi S, et al. **Cell** 1990 Nov 30;63(5):883–94 (102 ref.)
More than just "histone–like" proteins. Schmid MB. **Cell** 1990 Nov 2;63(3):451–3 (18 ref.)
Zinc finger motif for single–stranded nucleic acids? Investigations by nuclear magnetic resonance. Summers MF. **J Cell Biochem** 1991 Jan;45(1):41–8 (42 ref.)
TF1, a bacteriophage–specific DNA–binding and DNA–bending protein. Geiduschek EP, et al. **J Struct Biol** 1990 Jul–Sep;104(1–3):84–90 (39 ref.)
DNA–protein interactions: the use of synthetic oligo– and polynucleotides for studying single–stranded–DNA–binding proteins and restriction endonucleases. Gromova ES, et al. **Prog Nucleic Acid Res Mol Biol** 1990;39:1–47 (71 ref.)
A common denominator linking glycogen metabolism, nuclear oncogenes and development. Woodgett JR. **Trends Biochem Sci** 1991 May;16(5):177–81 (27 ref.)
Studying DNA modifications and DNA–protein interactions in vivo. A window onto the native genome. Saluz HP, et al. **Trends Genet** 1991 Jul;7(7):207–11 (27 ref.)
Toward an understanding of plant gene regulation: the action of nuclear factors. Weising K, et al. **Z Naturforsch [C]** 1991 Jan–Feb;46(1–2):1–11 (131 ref.)

[Cellular receptors and regulator proteins reacting with C3 activation products] Garred P. **Tidsskr Nor Laegeforen** 1991 Feb 28;111(6):709–13 (17 ref.) (Eng. Abstr.) **(Nor)**

PHYSIOLOGY

Structure and function of the protein CRE-BP1: heterogeneity of the protein that binds to the cAMP-responsive element. Ishii S, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:335–9 (20 ref.)

Cross-coupling of AP-1 and intracellular hormone receptors. Lamph WW. **Cancer Cells** 1991 May;3(5):183–5 (20 ref.)

Regulation of transcription and cell identity by POU domain proteins. Ruvkun G, et al. **Cell** 1991 Feb 8;64(3):475–8 (29 ref.)

fos-jun Conspiracy: implications for the cell. Verma IM, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:119–26 (18 ref.)

Early transcriptional events in cell growth: the Egr family. Sukhatme VP. **J Am Soc Nephrol** 1990 Dec;1(6):859–66 (44 ref.)

The in vitro replication of DNA containing the SV40 origin. Hurwitz J, et al. **J Biol Chem** 1990 Oct 25;265(30):18043–6 (56 ref.)

MyoD and the regulation of myogenesis by helix–loop–helix proteins. Tapscott SJ, et al. **J Clin Invest** 1991 Apr; 87(4):1133–8 (59 ref.)

AP1, a composite transcription factor implicated in abnormal growth control. Imler JL, et al. **Prog Growth Factor Res** 1989;1(2):69–77 (49 ref.)

Characteristics of the cAMP response unit. Montminy MR, et al. **Recent Prog Horm Res** 1990;46:219–29; discussion 29–30 (20 ref.)

CCAAT-enhancer binding protein: a component of a differentiation switch. Umek RM, et al. **Science** 1991 Jan 18;251(4991):288–92 (37 ref.)

Structure and activities of the ski oncogene. Colmenares C, et al. **Semin Cancer Biol** 1990 Dec;1(6):383–7 (22 ref.)

[A possible molecular mechanism of the impairment of the stability of the genome in cells capable of replicating DNA in acute and chronic forms of radiation sickness] Fradkin GE. **Radiobiologiia** 1990 Jul–Aug;30(4):458–66 (28 ref.) (Eng. Abstr.) **(Rus)**

DNA, CIRCULAR

GENETICS

The discovery of a single-stranded, circular DNA genome. Sinsheimer RL. **Bioessays** 1991 Feb;13(2):89–91 (12 ref.)

Extrachromosomal circular DNAs and genomic sequence plasticity in eukaryotic cells. Gaubatz JW. **Mutat Res** 1990 Sep–Nov;237(5–6):271–92 (158 ref.)

ULTRASTRUCTURE

Why kinetoplast DNA networks? Borst P. **Trends Genet** 1991 May;7(5):139–41 (34 ref.)

DNA DAMAGE

Gene specific damage and repair after treatment of cells with UV and chemotherapeutical agents. Bohr VA. **Adv Exp Med Biol** 1991;283:225–33 (32 ref.)

Biological significance of active oxygen species: in vitro studies on singlet oxygen-induced DNA damage and on the singlet oxygen quenching ability of carotenoids, tocopherols and thiols. Di Mascio P, et al. **Adv Exp Med Biol** 1991;283:71–7 (37 ref.)

Nuclear glutathione transferases which detoxify irradiated DNA. Ketterer B, et al. **Adv Exp Med Biol** 1990;264:301–10 (35 ref.)

Oxidant-induced cytotoxicity: a challenge for metabolic modulation [comment] Berger NA. **Am J Respir Cell Mol Biol** 1991 Jan;4(1):1–3 (13 ref.) Comment on: Am J Respir Cell Mol Biol 1991 Jan;4(1):4–10.

Repair of O6-methylguanine damage in normal human tissues. D'Ambrosio SM, et al. **Basic Life Sci** 1990; 53:397–416 (119 ref.)

Effects of caloric restriction on the maintenance of genetic fidelity. Hart RW, et al. **Basic Life Sci** 1990;53:351–61 (20 ref.)

Damage specific mammalian endonucleases. Haukanes BI, et al. **Basic Life Sci** 1990;53:191–202 (25 ref.)

DNA repair in mammalian tissues and cells. Krokan HE, et al. **Basic Life Sci** 1990;53:175–90 (84 ref.)

Alkylation repair in human tissues. Montesano R, et al. **Basic Life Sci** 1990;53:437–52 (75 ref.)

Measurement of DNA adducts by immunoassays. Poirier MC, et al. **Basic Life Sci** 1990;53:1–11 (30 ref.)

Mechanisms of induction of specific chromosomal alterations. Preston RJ. **Basic Life Sci** 1990;53:329–36 (26 ref.)

Detection of human DNA adducts by 32P-postlabeling. Randerath K, et al. **Basic Life Sci** 1990;53:13–32 (70 ref.)

The significance of DNA damage and repair mechanisms in health risk assessment. Rhomberg L, et al. **Basic Life Sci** 1990;53:225–32 (3 ref.)

Immunologic methods for the detection of carcinogen adducts in humans. Santella RM, et al. **Basic Life Sci** 1990; 53:33–44 (28 ref.)

DNA damage and repair in human skin: pathways and questions. Sutherland BM, et al. **Basic Life Sci** 1990; 53:149–60 (35 ref.)

Lesion measurement in non-radioactive DNA by quantitative gel electrophoresis. Sutherland JC, et al. **Basic Life Sci** 1990;53:45–61 (39 ref.)

Repair of O4-alkylthymine damage in human cells. Wani AA, et al. **Basic Life Sci** 1990;53:417–35 (84 ref.)

The 'A rule' of mutagen specificity: a consequence of DNA polymerase bypass of non-instructional lesions? Strauss BS. **Bioessays** 1991 Feb;13(2):79–84 (59 ref.)

Hydroxyl radical and singlet oxygen production and DNA damage induced by carcinogenic metal compounds and hydrogen peroxide. Kawanishi S, et al. **Biol Trace Elem Res** 1989 Jul–Sep;21:367–72 (16 ref.)

Carcinogenesis: molecular defences against carcinogens. Smith PJ. **Br Med Bull** 1991 Jan;47(1):3–20 (63 ref.)

DNA strand break metabolism in human lymphocytes: a reevaluation. Boerrigter ME. **Exp Cell Res** 1991 Sep; 196(1):1–5 (43 ref.)

DNA damage by oxygen-derived species. Its mechanism and measurement in mammalian systems. Halliwell B, et al. **FEBS Lett** 1991 Apr 9;281(1–2):9–19 (203 ref.)

Chemical determination of free radical-induced damage to DNA. Dizdaroglu M. **Free Radic Biol Med** 1991; 10(3–4):225–42 (79 ref.)

Misincorporation of uracil into DNA as possible contributor to neuronal aging and abiotrophy. Mazzarello P, et al. **Int J Neurosci** 1990 Feb;50(3–4):169–74 (39 ref.)

DNA double-strand breaks: their repair and relationship to cell killing in yeast. Frankenberg-Schwager M, et al. **Int J Radiat Biol** 1990 Oct;58(4):569–75 (26 ref.)

Drug-induced DNA damage and tumor chemosensitivity. Epstein RJ. **J Clin Oncol** 1990 Dec;8(12):2062–84 (355 ref.)

Reactive oxygen species damage to DNA and its role in systemic lupus erythematosus. Blount S, et al. **Mol Aspects Med** 1991;12(2):93–105 (44 ref.)

Molecular mechanisms of oxygen radical carcinogenesis and mutagenesis: the role of DNA base damage. Breimer LH. **Mol Carcinog** 1990;3(4):188–97 (120 ref.)

Site-specifically alkylated oligodeoxynucleotides: probes for mutagenesis, DNA repair and the structural effects of DNA damage. Basu AK, et al. **Mutat Res** 1990 Nov–Dec; 233(1–2):189–201 (85 ref.)

Poly(ADP-ribose)polymerase: a perplexing participant in cellular responses to DNA breakage. Cleaver JE, et al. **Mutat Res** 1991 Jan;257(1):1–18 (146 ref.)

Immunocytochemical analysis of in vivo DNA modification. den Engelse L, et al. **Mutat Res** 1990 Nov–Dec; 233(1–2):265–87 (141 ref.)

DNA alkylation damage: consequences and relevance to tumour production. Hall J, et al. **Mutat Res** 1990 Nov–Dec; 233(1–2):247–52 (45 ref.)

Heterogeneity of DNA repair at the gene level. Hanawalt PC. **Mutat Res** 1991 Apr;247(2):203–11 (25 ref.)

Physiological properties and repair of apurinic/apyrimidinic sites and imidazole ring-opened guanines in DNA. Laval J, et al. **Mutat Res** 1990 Nov–Dec;233(1–2):73–9 (56 ref.)

DNA alkylation by the haloethylnitrosoureas: nature of modifications produced and their enzymatic repair or removal. Ludlum DB. **Mutat Res** 1990 Nov–Dec; 233(1–2):117–26 (38 ref.)

DNA damage metabolism and aging. Mullaart E, et al. **Mutat Res** 1990 Sep–Nov;237(5–6):189–210 (202 ref.)

Sequence-dependent formation of alkyl DNA adducts: a review of methods, results, and biological correlates. Richardson FC, et al. **Mutat Res** 1990 Nov–Dec; 233(1–2):127–38 (59 ref.)

Resistance to alkylation damage in Escherichia coli: role of the Ada protein in induction of the adaptive response. Shevell DE, et al. **Mutat Res** 1990 Nov–Dec; 233(1–2):53–72 (116 ref.)

Macromolecular adducts of ethylene oxide: a literature review and a time-course study on the formation of 7-(2-hydroxyethyl)guanine following exposures of rats by inhalation. Walker VE, et al. **Mutat Res** 1990 Nov–Dec; 233(1–2):151–64 (91 ref.)

Antibodies to DNA alkylation adducts as analytical tools in chemical carcinogenesis. Wild CP. **Mutat Res** 1990 Nov–Dec;233(1–2):219–33 (107 ref.)

Principles and practice of DNA filter elution. Kohn KW. **Pharmacol Ther** 1991;49(1–2):55–77 (111 ref.)

Damage to DNA and chromatin structure from ionizing radiations, and the radiation sensitivities of mammalian cells. Lett JT. **Prog Nucleic Acid Res Mol Biol** 1990; 39:305–52 (160 ref.)

Identification of human genes involved in repair and tolerance of DNA damage. Kaina B, et al. **Radiat Environ Biophys** 1991;30(1):1–19 (87 ref.)

Spontaneous DNA damage and its significance for the "negligible dose" controversy in radiation protection [see comments] Billen D. **Radiat Res** 1990 Nov;124(2):242–5 (25 ref.) Comment in: Radiat Res 1991 Jun;126(3):383–9.

DNA damage and repair following treatment with ionizing radiation. Powell S, et al. **Radiother Oncol** 1990 Oct; 19(2):95–108 (78 ref.)

[Molecular mechanisms of mutagenesis caused by apurinic/apyrimidinic DNA sites] Ivanov EL. **Genetika** 1991 Jan;27(1):5–12 (45 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Radiation-induced activation of transcription factors in mammalian cells. Krämer M, et al. **Radiat Environ Biophys** 1990;29(4):303–13 (44 ref.)

[Cutaneous senescence and carcinogenesis] Berbis P. **Rev Fr Gynecol Obstet** 1991 Jun;86(6):448–50 (10 ref.) (Eng. Abstr.) **(Fre)**

DNA-DEPENDENT DNA POLYMERASE I see **DNA POLYMERASE I**

DNA-DEPENDENT DNA POLYMERASES see **DNA POLYMERASES**

DNA-DEPENDENT RNA POLYMERASE II see **RNA POLYMERASE II**

DNA-DEPENDENT RNA POLYMERASE III see **RNA POLYMERASE III**

DNA-DEPENDENT RNA POLYMERASES see **RNA POLYMERASES**

DNA, DOUBLE-STRANDED see **DNA**

DNA FINGERPRINTING

see related

PATERNITY

Definitive methods of zygosity determination in twins: relevance to problems in the biology of twinning. Machin GA. **Acta Genet Med Gemellol (Roma)** 1990;39(4):459–71 (80 ref.)

DNA fingerprinting: its application in forensic case work. Bär W, et al. **Experientia Suppl** 1991;58:349–55 (22 ref.)

DNA fingerprinting; a biotechnology in business. Debenham PG. **Experientia Suppl** 1991;58:342–8 (3 ref.)

Oligonucleotide fingerprinting using simple repeat motifs: a convenient, ubiquitously applicable method to detect hypervariability for multiple purposes. Epplen JT, et al. **Experientia Suppl** 1991;58:50–69 (60 ref.)

Principles and recent advances in human DNA fingerprinting. Jeffreys AJ, et al. **Experientia Suppl** 1991; 58:1–19 (54 ref.)

Analysis of population genetic structure by DNA fingerprinting. Lynch M. **Experientia Suppl** 1991;58:113–26 (26 ref.)

The quality control of cell banks using DNA fingerprinting. Stacey GN, et al. **Experientia Suppl** 1991;58:361–70 (19 ref.)

DNA fingerprinting of the human intestinal parasite Giardia intestinalis with hypervariable minisatellite sequences. Upcroft P. **Experientia Suppl** 1991;58:70–84 (79 ref.)

The use of genomic DNA fingerprinting in studies of the epidemiology of bacteria in periodontitis. Genco RJ, et al. **J Clin Periodontol** 1991 Jul;18(6):396–405 (63 ref.)

DNA tests in criminal prosecutions. Too much evidence or not enough? Hoke PA. **J Leg Med** 1990 Dec;11(4):481–512 (178 ref.)

DNA fingerprinting. Debenham PG. **J Pathol** 1991 Jun; 164(2):101–6 (21 ref.)

DNA technology: the fourth generation in parentage testing [editorial] Walker RH, et al. **Transfusion** 1991 Jun; 31(5):383–5 (42 ref.)

[DNA diagnosis in veterinary medicine: I. DNA fingerprinting] Schelling CP, et al. **Schweiz Arch Tierheilkd** 1991;133(1):13–22 (80 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Paternity testing--quo vadis? Mayr WR, et al. **Blood Rev** 1991 Mar;5(1):51–4 (13 ref.)

The use of single locus and multilocus minisatellite probes to diagnose specific individuality. Esposito M, et al. **Boll Ist Sieroter Milan** 1989;68(3):214–23 (44 ref.)

Ribosomal DNA fingerprinting of Listeria monocytogenes using a digoxigenin-labeled DNA probe. Graves LM, et al. **Eur J Epidemiol** 1991 Jan;7(1):77–82 (19 ref.)

DNA fingerprinting of eukaryote genomes by synthetic oligodeoxyribonucleotide probes. Ali S, et al. **Indian J Biochem Biophys** 1991 Feb;28(1):1–9 (57 ref.)

[DNA analyses in forensic investigations] Lindblom B, et al. **Lakartidningen** 1991 May 29;88(22):2055–9 (14 ref.) (Eng. Abstr.) **(Swe)**

VETERINARY

Genetic factors accountable for line-specific DNA fingerprint bands in quail. Hillel J, et al. **Experientia Suppl** 1991;58:263–73 (24 ref.)

Identification of markers associated with quantitative trait loci in chickens by DNA fingerprinting. Kuhnlein U, et al. **Experientia Suppl** 1991;58:274–82 (14 ref.)

Two-dimensional DNA-fingerprinting in animals. Schelling CP, et al. **Experientia Suppl** 1991;58:283–93 (23 ref.)

DNA, FUNGAL

GENETICS

Premeiotic instability of repeated sequences in Neurospora crassa. Selker EU. **Annu Rev Genet** 1990;24:579–613 (93 ref.)

The role of PSO and SNM genes in DNA repair of the yeast Saccharomyces cerevisiae. Henriques JA, et al. **Curr Genet** 1990 Dec;18(5):387–93 (97 ref.)

Genetics of Candida albicans. Scherer S, et al.

Microbiol Rev 1990 Sep;54(3):226–41 (144 ref.)
DNA base sequence complementarity and the definition of fungal taxa. Kurtzman CP. **Microbiol Sci** 1984 May; 1(2):44–8 (49 ref.)
Constants and variables of fungal mitochondrial genomes. Lukins HB, et al. **Microbiol Sci** 1984 Sep;1(6):141–9 (37 ref.)

METABOLISM

Promoter function and in situ protein/DNA interactions upstream of the yeast HSP90 heat shock genes. Gross DS, et al. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):175–86 (47 ref.)
Saccharomyces cerevisiae proteins involved in hybrid DNA formation in vitro. Heyer WD, et al. **Biochimie** 1991 Feb–Mar;73(2–3):269–76 (45 ref.)

DNA GYRASE

[Antitumor agents targeting mammalian topoisomerases] Nakano H. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1550–5 (16 ref.) (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Topoisomerase II can relax; novobiocin is a mitochondrial poison after all. Collins A. **Bioessays** 1990 Oct;12(10):493–4 (16 ref.)
Implication of prior treatment with drug combinations including inhibitors of topoisomerase II in therapy-related monocytic leukemia with a 9;11 translocation. Albain KS, et al. **Genes Chromosom Cancer** 1990 May;2(1):53–8 (42 ref.)
Structure–activity relationships in DNA gyrase inhibitors. Rádl S. **Pharmacol Ther** 1990;48(1):1–17 (168 ref.)
[Effective microbiologic spectrum of gyrase inhibitors—indications and contraindications] Tauchnitz C. **Z Gesamte Inn Med** 1990 Sep 1;45(17):509–12 (22 ref.) (Eng. Abstr.) **(Ger)**
[Mechanisms of resistance to DNA topoisomerase II inhibitors] Kohno K, et al. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1568–73 (16 ref.) (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Mode of action of the new quinolones: new data. Hooper DC, et al. **Eur J Clin Microbiol Infect Dis** 1991 Apr; 10(4):223–31 (52 ref.)

GENETICS

Mechanisms of resistance to the 4-quinolone antibacterial agents. Crumplin GC. **J Antimicrob Chemother** 1990 Dec; 26 Suppl F:131–44 (64 ref.)

METABOLISM

DNA topoisomerase II as the primary target of anti-tumor anthracyclines. Zunino F, et al. **Anticancer Drug Des** 1990 Nov;5(4):307–17 (50 ref.)
Usual and unusual antibacterial effects of quinolones. Furet YX, et al. **J Antimicrob Chemother** 1990 Oct;26 Suppl B:7–15 (60 ref.)
DNA topoisomerases: why so many? Wang JC. **J Biol Chem** 1991 Apr 15;266(11):6659–62 (43 ref.)

PHYSIOLOGY

Catalytic function of DNA topoisomerase II. Osheroff N, et al. **Bioessays** 1991 Jun;13(6):269–73 (57 ref.)
Mechanisms of multidrug resistance in human tumor cells. The roles of P-glycoprotein, DNA topoisomerase II, and other factors. Beck WT. **Cancer Treat Rev** 1990 Dec;17 Suppl A:11–20 (70 ref.)
DNA repair in radiation sensitive mutants of mammalian cells: possible involvement of DNA topoisomerases. Hickson ID, et al. **Int J Radiat Biol** 1990 Oct;58(4):561–8 (29 ref.)
DNA topoisomerases and radiation responses. Smith PJ. **Int J Radiat Biol** 1990 Oct;58(4):553–9 (39 ref.)
The role of topoisomerase II in drug resistance. De Isabella P, et al. **Life Sci** 1991;48(23):2195–205 (95 ref.)
[Biological functions of DNA topoisomerases] Andoh T. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1543–9 (22 ref.) (Eng. Abstr.) **(Jpn)**

DNA HELIX DESTABILIZING PROTEINS see **DNA-BINDING PROTEINS**

DNA INJURY see **DNA DAMAGE**

DNA INSERTION ELEMENTS

see related
DNA, RECOMBINANT
MUTAGENESIS, INSERTIONAL

Molecular mechanisms regulating Drosophila P element transposition. Rio DC. **Annu Rev Genet** 1990;24:543–78 (91 ref.)
Integration specificity of retrotransposons and retroviruses. Sandmeyer SB, et al. **Annu Rev Genet** 1990;24:491–518 (141 ref.)
Structure and function of the maize Spm transposable element. Masson P, et al. **Biochimie** 1991 Jan;73(1):5–8 (23 ref.)
Models for the population dynamics of transposable elements in bacteria. Condit R. **Biotechnology** 1991;15:151–71 (42 ref.)
Intracisternal A particles in mouse neoplasia. Kuff EL. **Cancer Cells** 1990 Dec;2(12):398–400 (24 ref.)
Retrotransposition mechanisms. Boeke JD, et al. **Curr Opin Cell Biol** 1991 Jun;3(3):502–7 (17 ref.)
In vivo genetic systems in lactic acid bacteria. Gasson MJ. **FEMS Microbiol Rev** 1990 Sep;7(1–2):43–60 (91 ref.)
Integration of viruses into chromosomal DNA. Onions D. **J Pathol** 1991 Mar;163(3):191–7 (10 ref.)
The organization and expression of the yeast retrotransposon, Ty. Fulton AM, et al. **Microbiol Sci** 1987 Jun;4(6):180–5 (32 ref.)
The En/Spm transposable element of Zea mays. Gierl A, et al. **Plant Mol Biol** 1989 Sep;13(3):261–6 (32 ref.)
The Tn21 subgroup of bacterial transposable elements. Grinsted J, et al. **Plasmid** 1990 Nov;24(3):163–89 (123 ref.)
Duplication of the long arm of chromosome 13 secondary to a recombination in a maternal intrachromosomal insertion (shift). Vekemans M, et al. **Prenat Diagn** 1990 Dec;10(12):787–94 (22 ref.)
Interactions of retrotransposons with the host genome: the case of the gypsy element of Drosophila. Corces VG, et al. **Trends Genet** 1991 Mar;7(3):86–90 (29 ref.)
Frameshift control of IS1 transposition. Plasterk RH. **Trends Genet** 1991 Jul;7(7):203–4 (13 ref.)
[Strategy for DNA sequencing: use of transposing elements] Glukhov IL. **Mol Biol (Mosk)** 1990 Sep–Oct;24(5):1200–10 (98 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

The future contribution of transposition to antimicrobial resistance. Bennett PM, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:211–21 (36 ref.)
The use of transgenic plants to understand transposition mechanisms and to develop transposon tagging strategies. Haring MA, et al. **Plant Mol Biol** 1991 Mar;16(3):449–61 (66 ref.)

PHYSIOLOGY

Mouse retrotransposons: a cellular reservoir of long terminal repeat (LTR) elements with diverse transcriptional specificities. Keshet E, et al. **Adv Cancer Res** 1991; 56:215–51 (195 ref.)
Regulation of transposition in bacteria. Kleckner N. **Annu Rev Cell Biol** 1990;6:297–327 (139 ref.)

DNA MARKERS see **GENETIC MARKERS**

DNA, MITOCHONDRIAL

ANALYSIS

Muscle mitochondrial DNA in encephalomyopathy and ragged red fibres: a Southern blot analysis and literature review. Geny C, et al. **J Neurol** 1991 Jun;238(3):171–6 (67 ref.)

BIOSYNTHESIS

Coordination of gene expression in the formation of mammalian mitochondria. Nagley P. **Trends Genet** 1991 Jan;7(1):1–4 (20 ref.)

CHEMISTRY

[Clinical aspects of mitochondrial encephalomyopathy—abnormality of mitochondrial respiratory chain] Nakagawa M, et al. **No To Shinkei** 1990 Aug;42(8):719–33 (165 ref.) **(Jpn)**

GENETICS

Mitochondrial myopathies: genetic defects. Harding AE, et al. **Biochem Soc Trans** 1990 Aug;18(4):519–22 (39 ref.)
Mitochondrial defects of brain and muscle. De Vivo DC, et al. **Biol Neonate** 1990;58 Suppl 1:54–69 (64 ref.)
Mitochondrial disease and mitochondrial DNA. Hammans SR, et al. **Br J Hosp Med** 1991 Jul;46(1):20, 22–3, 25–6 (43 ref.)
Report of the committee on human mitochondrial DNA. Wallace DC. **Cytogenet Cell Genet** 1990;55(1–4):395–405 (70 ref.)
The genetic code in mitochondria and chloroplasts. Jukes TH, et al. **Experientia** 1990 Dec 1;46(11–12):1117–26 (37 ref.)
Mitochondrial DNA abnormalities in human disease. Byrne E. **Med J Aust** 1991 May 20;154(10):646–7 (36 ref.)
Constants and variables of fungal mitochondrial genomes. Lukins HB, et al. **Microbiol Sci** 1984 Sep;1(6):141–9 (37 ref.)
Neuro-ophthalmologic manifestations of mitochondrial DNA disorders: chronic progressive external ophthalmoplegia, Kearns-Sayre syndrome, and Leber's hereditary optic neuropathy. Kosmorsky G, et al. **Neurol Clin** 1991 Feb;9(1):147–61 (46 ref.)
Heteroplasmy in chronic external ophthalmoplegia: clinical and molecular observations. Hurko O, et al. **Pediatr Res** 1990 Nov;28(5):542–8 (88 ref.)
Mitochondrial genes and neuromuscular disease. Wallace DC. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:101–20 (23 ref.)
Leber's hereditary optic neuropathy and Kearns-Sayre syndrome: mitochondrial DNA mutations. Phillips CI, et al. **Surv Ophthalmol** 1991 May–Jun;35(6):463–72 (70 ref.)
Nuclear gadgets in mitochondrial DNA replication and transcription. Clayton DA. **Trends Biochem Sci** 1991 Mar; 16(3):107–11 (30 ref.)
RNA editing and the mysterious undercover genes of trypanosomatid mitochondria. Lamond AI. **Trends Biochem Sci** 1988 Aug;13(8):283–4 (8 ref.)
Neurological disease and mitochondrial genes. Harding AE. **Trends Neurosci** 1991 Apr;14(4):132–8 (43 ref.)
[Biochemistry of mitochondrial encephalomyopathy] Ozawa T, et al. **No To Shinkei** 1990 Aug;42(8):707–17 (42 ref.) **(Jpn)**
[Molecular biology of defects in the mitochondrial electron-transfer complexes] Tanaka M. **Seikagaku** 1991 Mar;63(3):169–87 (54 ref.) **(Jpn)**
[Mitochondrial DNA mutations as a factor of the aging process and degenerative changes] Jendryczko A, et al. **Przegl Lek** 1990;47(9):645–7 (25 ref.) **(Pol)**

PHYSIOLOGY

The putative mitochondrial genome of Plasmodium falciparum. Feagin JE, et al. **J Protozool** 1991 May–Jun; 38(3):243–5 (34 ref.)
Mitochondrial DNA and Parkinson's disease. Di Monte DA. **Neurology** 1991 May;41(5 Suppl 2):38–42; discussion 42–3 (39 ref.)

DNA MODIFICATION METHYLASES

CHEMISTRY

Specificity of restriction endonucleases and DNA modification methyltransferases a review (Edition 3). Kessler C, et al. **Gene** 1990 Aug 16;92(1–2):1–248 (992 ref.)

DNA MODIFICATION METHYLTRANSFERASES see **DNA MODIFICATION METHYLASES**

DNA MUTATIONAL ANALYSIS

Mutational analysis of human NRAS genes in malignant melanoma: rapid methods for oligonucleotide hybridization and manual and automated direct sequencing of products generated by the polymerase chain reaction. Dicker AP, et al. **Genes Chromosom Cancer** 1990 Mar;1(4):257–69 (37 ref.)
[DNA analysis and prenatal diagnosis in cystic fibrosis] Schnedl W, et al. **Wien Klin Wochenschr** 1991;103(2):29–33 (29 ref.) (Eng. Abstr.) **(Ger)**

DNA, NEOPLASM

ANALYSIS

DNA analysis of neoplasia: an introduction for the family physician. Kotylo PK. **Am Fam Physician** 1991 Apr; 43(4):1259–63 (34 ref.)
The use of the polymerase chain reaction for the detection of minimal residual malignant disease [editorial] Negrin RS, et al. **Blood** 1991 Jul 15;78(2):255–8 (30 ref.)
DNA ploidy and prostate-specific antigen as prognostic factors in clinically resectable prostate cancer. Badalament RA, et al. **Cancer** 1991 Jun 15;67(12):3014–23 (51 ref.)
Genotypic analyses of Richter's syndrome. Bernard DJ, et al. **Cancer** 1991 Feb 15;67(4):997–1002 (27 ref.)
Charles S. Mott Prize. Seeking tumor genes with DNA technology. White RL. **Cancer** 1991 May 15;67(10):2436–8 (8 ref.)
Methodology and clinical applications of cellular DNA content parameters determined by flow cytometry in squamous cell cancers of the head and neck. Ensley JF, et al. **Cancer Treat Res** 1990;52:225–42 (94 ref.)
Value of DNA analysis for treatment of renal cell carcinoma. Ljungberg B, et al. **Eur Urol** 1990;18 Suppl 2:31–2 (10 ref.)
The Heinrich Warner Prize 1989: the use of differential hybridization analysis to identify markers for diagnosis of urogenital cancer. Schalken JA. **Eur Urol** 1990;18 Suppl 2:52–7 (33 ref.)
Use of immunologic techniques in gene analysis. Turco E, et al. **Immunol Ser** 1990;53:205–22 (23 ref.)
Quantitative fluorescence image analysis in bladder cancer screening. Hemstreet GP 3d, et al. **J Occup Med** 1990 Sep; 32(9):822–8 (37 ref.)
Flow cytometry detection and evaluation of bladder tumors. Melamed MR. **J Occup Med** 1990 Sep;32(9):829–33 (51 ref.)
[Clinical significance of the determination of cellular DNA content in gynecologic neoplasms] Li ZX. **Chung Hua Fu Chan Ko Tsa Chih** 1991 May;26(3):177–9 (20 ref.) **(Chi)**
[DNA cytometry and automation in clinical diagnostics] Böcking A. **Verh Dtsch Ges Pathol** 1990;74:176–85 (32 ref.) (Eng. Abstr.) **(Ger)**
[Diagnosis of a predisposition of retinoblastoma at the DNA level] Murakami Y. **Gan To Kagaku Ryoho** 1991 Jan; 18(1):44–50 (17 ref.) (Eng. Abstr.) **(Jpn)**
[Thyroid carcinoma] Namba H, et al. **Gan To Kagaku Ryoho** 1991 Jan;18(1):22–9 (34 ref.) (Eng. Abstr.) **(Jpn)**
[DNA analysis of breast cancer] Ohuchi N, et al. **Gan To Kagaku Ryoho** 1991 Jan;18(1):30–6 (34 ref.) (Eng.

Abstr.) (Jpn)
[Diagnosis of colorectal cancer from DNA level] Shirasawa S, et al. **Gan To Kagaku Ryoho** 1991 Jan;18(1):14–21 (25 ref.) (Eng. Abstr.) (Jpn)
[DNA diagnosis of human cancers: lymphoid malignancies and leukemia] Takaku F. **Gan To Kagaku Ryoho** 1991 Jan; 18(1):37–43 (16 ref.) (Eng. Abstr.) (Jpn)
[Molecular diagnosis of gastric cancer] Yasui W, et al. **Gan To Kagaku Ryoho** 1991 Jan;18(1):7–13 (30 ref.) (Eng. Abstr.) (Jpn)
[Flow cytometry. Its prognostic value in cancer of the head and neck] Barona R, et al. **Acta Otorrinolaringol Esp** 1990 May–Jun;41(3):149–53 (29 ref.) (Eng. Abstr.) (Spa)

DRUG EFFECTS

Drug-induced DNA damage and tumor chemosensitivity. Epstein RJ. **J Clin Oncol** 1990 Dec;8(12):2062–84 (355 ref.)
Biochemical basis of resistance to chemotherapy. Masters JR. **Radiother Oncol** 1990 Dec;19(4):297–305 (48 ref.)
[Reactions of an antineoplastic drug cis-diamminedichloroplatinum(II) with DNA] Oliński R, et al. **Postepy Biochem** 1991;37(1):40–8 (80 ref.) (Pol)
[The use of a DNA acid-hydrolysis profile for detecting the characteristics of the DNA of malignant tumor cells] Ganina KP, et al. **Tsitol Genet** 1990 Jul–Aug;24(4):66–74 (63 ref.) (Eng. Abstr.) (Rus)

GENETICS

Molecular lesions in breast cancer. Mackay J, et al. **Int J Cancer Suppl** 1990;5:47–50 (44 ref.)
Extrachromosomal DNA in human cancers [editorial] Schoenlein PV, et al. **J Natl Cancer Inst** 1990 Dec 5; 82(23):1798–800 (23 ref.)
DNA ploidy and cell kinetics in human colorectal carcinomas. Silvestrini R, et al. **J Surg Oncol Suppl** 1991; 2:4–8 (27 ref.)
[PCR: DNA amplification from histological sections] Rabes H, et al. **Verh Dtsch Ges Pathol** 1990;74:301–18 (45 ref.) (Eng. Abstr.) (Ger)
[DNA examinations in gynecological cancer and breast cancer] Tropé C, et al. **Tidsskr Nor Laegeforen** 1991 May 20;111(13):1638–42 (32 ref.) (Eng. Abstr.) (Nor)

RADIATION EFFECTS

The ESTRO Breur lecture. Cellular sensitivity to low dose-rate irradiation focuses the problem of tumour radioresistance. Steel GG. **Radiother Oncol** 1991 Feb; 20(2):71–83 (45 ref.)

DNA NICKING-CLOSING PROTEINS see **DNA UNTWISTING PROTEINS**

DNA NUCLEOTIDYLEXOTRANSFERASE

METABOLISM

Telomeres, telomerase and senescence. Greider CW. **Bioessays** 1990 Aug;12(8):363–9 (58 ref.)

PHYSIOLOGY

Towards more specific therapy for leukemia: terminal transferase as a therapeutic target. Bulger K, et al. **Leuk Res** 1991;15(5):285–8 (12 ref.)

DNA PHOTOLYASE

CHEMISTRY

DNA photorepair: chromophore composition and function in two classes of DNA photolyases. Jorns MS. **Biofactors** 1990 Oct;2(4):207–11 (46 ref.)

DNA PHOTOREACTIVATING ENZYME see **DNA PHOTOLYASE**

DNA POLYMERASE BETA see **DNA POLYMERASE I**

DNA POLYMERASE I

GENETICS

[In vitro enzymatic amplification of specific DNA sequences] Jungerman M, et al. **Postepy Biochem** 1990;36(1–2):14–21 (20 ref.) (Pol)

PHYSIOLOGY

Cellular role of DNA polymerase I. Savic DJ, et al. **J Basic Microbiol** 1990;30(10):769–84 (137 ref.)

DNA POLYMERASES

Eukaryotic DNA polymerases. Wang TS. **Annu Rev Biochem** 1991;60:513–52 (146 ref.)

BIOSYNTHESIS

Mitochondrial DNA and RNA polymerases. A review. Litvak S, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun; 21(1):195–202 (58 ref.)

CHEMISTRY

Properties of DNA polymerases delta and epsilon, and their roles in eukaryotic DNA replication. Bambara RA, et al. **Biochim Biophys Acta** 1991 Jan 17;1088(1):11–24 (181 ref.)

METABOLISM

DNA polymerases versus HIV reverse transcriptase in AIDS therapy. Cheng YC, et al. **Ann N Y Acad Sci** 1990; 616:217–23 (21 ref.)
Antiretroviral activity, biochemistry, and pharmacokinetics of 3'-azido-2',3'-dideoxy-5-methylcytidine. Schinazi RF, et al. **Ann N Y Acad Sci** 1990;616:385–97 (26 ref.)
Telomeres, telomerase and senescence. Greider CW. **Bioessays** 1990 Aug;12(8):363–9 (58 ref.)
The 'A rule' of mutagen specificity: a consequence of DNA polymerase bypass of non-instructional lesions? Strauss BS. **Bioessays** 1991 Feb;13(2):79–84 (59 ref.)
DNA polymerase epsilon: the latest member in the family of mammalian DNA polymerases. Syväoja JE. **Bioessays** 1990 Nov;12(11):533–6 (47 ref.)
The nucleoskeleton and the topology of replication. Cook PR. **Cell** 1991 Aug 23;66(4):627–35 (71 ref.)
How many pols does it take to replicate nuclear DNA? Linn S. **Cell** 1991 Jul 26;66(2):185–7 (29 ref.)
Deoxyribonucleotide analogs as inhibitors and substrates of DNA polymerases. Wright GE, et al. **Pharmacol Ther** 1990; 47(3):447–97 (264 ref.)

DNA PROBES

see related
CHROMOSOME WALKING

Applications of dioxetane chemiluminescent probes to molecular biology [published erratum appears in Anal Chem 1991 Apr 15;63(8):848] Beck S, et al. **Anal Chem** 1990 Nov 1;62(21):2258–70 (107 ref.)
Detection techniques for immunoassay and DNA probing applications. Diamandis EP. **Clin Biochem** 1990 Oct; 23(5):437–43 (34 ref.)
Analytical methodology for immunoassays and DNA hybridization assays—current status and selected systems—critical review. Diamandis EP. **Clin Chim Acta** 1990 Dec 17;194(1):19–50 (147 ref.)
Human variable number of tandem repeat probes as a source of polymorphic markers in experimental animals. de Gouyon B, et al. **Experientia Suppl** 1991;58:85–94 (16 ref.)
Clone and genomic repositories at the American Type Culture Collection. Maglott DR, et al. **Genomics** 1990 Nov; 8(3):601–5 (14 ref.)
Applications of molecular genetics to gastrointestinal and liver diseases. II. Clinical relevance. Summers KM. **J Gastroenterol Hepatol** 1989 May–Jun;4(3):273–81 (75 ref.)
[Molecular probes in the study and diagnosis of parasitic diseases] Ambroise-Thomas P. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:83–8 (12 ref.) (Eng. Abstr.) (Fre)
[Use of molecular biology methods in gynecologic pathology] Czerwenka KF, et al. **Gynakol Rundsch** 1990; 30 Suppl 1:135–41 (9 ref.) (Ger)
[Hepatitis B virus DNA. Current diagnosis in children with chronic hepatitis B] Wirth S, et al. **Monatsschr Kinderheilkd** 1991 Apr;139(4):202–7 (31 ref.) (Eng. Abstr.) (Ger)
[DNA analysis and prenatal diagnosis in cystic fibrosis] Schnedl W, et al. **Wien Klin Wochenschr** 1991;103(2):29–33 (29 ref.) (Eng. Abstr.) (Ger)

DIAGNOSTIC USE

Localization in situ of specific mRNA using thymine-thymine dimerized DNA probes. Sensitive and reliable non-radioactive in situ hybridization. Koji T, et al. **Acta Pathol Jpn** 1990 Nov;40(11):793–807 (89 ref.)
The use of single locus and multilocus minisatellite probes to diagnose specific individuality. Esposito M, et al. **Boll Ist Sieroter Milan** 1989;68(3):214–23 (44 ref.)
DNA probes for diagnosis of intestinal infection. Char S, et al. **Gut** 1991 Jan;32(1):1–3 (35 ref.)
Diagnostic applications of DNA probes. Pfaller MA. **Infect Control Hosp Epidemiol** 1991 Feb;12(2):103–10 (58 ref.)
Applications of DNA probes for Vero cytotoxin-producing Escherichia coli. Smith HR, et al. **J Hosp Infect** 1991 Jun; 18 Suppl A:438–42 (24 ref.)
Diagnosis of digestive tract cancer using cDNA probe and monoclonal antibody. Imai K. **Jpn J Med** 1990 Nov–Dec; 29(6):659–61 (7 ref.)
The magic and challenge of DNA probes as diagnostic reagents. Gillespie D. **Vet Microbiol** 1990 Sep; 24(3–4):217–33 (27 ref.)
[Genetic diagnosis] Mitamura K. **Nippon Naika Gakkai Zasshi** 1991 Apr 10;80(4):629–33 (7 ref.) (Jpn)
[Genetic probes and their application to the diagnosis of hepatitis B] Maroto Vela MC. **An R Acad Nac Med (Madr)** 1990;107(3):443–58 (50 ref.) (Spa)

GENETICS

Cytogenetic markers in detecting the effects of exposure to complex mixtures of chemicals. Evans HJ. **IARC Sci Publ** 1990;(104):134–46 (49 ref.)

ISOLATION & PURIFICATION

Isolation and characterization of DNA probes for human chromosome 21. Watkins PC. **Prog Clin Biol Res** 1990; 360:53–67 (28 ref.)

DNA PROBES, HPV

ANALYSIS

Analysis of invasive squamous cell carcinoma of the vulva and vulvar intraepithelial neoplasia for the presence of human papillomavirus DNA. Rusk D, et al. **Obstet Gynecol** 1991 Jun;77(6):918–22 (25 ref.)

DNA, PROTOZOAN

DNA fingerprinting of the human intestinal parasite Giardia intestinalis with hypervariable minisatellite sequences. Upcroft P. **Experientia Suppl** 1991;58:70–84 (79 ref.)
Molecular aspects of the cell cycle and encystment of Acanthamoeba. Byers TJ, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 5:S373–84 (90 ref.)

BIOSYNTHESIS

Copy number control in the Tetrahymena macronuclear genome. Larson DD, et al. **J Protozool** 1991 May–Jun; 38(3):258–63 (55 ref.)

GENETICS

Toxoplasma gondii—new advances in cellular and molecular biology. McLeod R, et al. **Exp Parasitol** 1991 Jan; 72(1):109–21 (66 ref.)

PHYSIOLOGY

The putative mitochondrial genome of Plasmodium falciparum. Feagin JE, et al. **J Protozool** 1991 May–Jun; 38(3):243–5 (34 ref.)
The nuclear genomes of hypotrichous ciliates: maintaining the maximum and the minimum of information. Jahn CL. **J Protozool** 1991 May–Jun;38(3):252–8 (58 ref.)

DNA REARRANGEMENT see **GENE REARRANGEMENT**

DNA, RECOMBINANT

see related
GENETIC ENGINEERING

Successful development of recombinant DNA-derived pharmaceuticals. Werner RG, et al. **Arzneimittelforschung** 1990 Nov;40(11):1274–83 (29 ref.)
Quality assessment of DNA vaccines: hepatitis-B vaccine. Peetermans JH. **J Pharm Biomed Anal** 1989;7(2):227–32 (5 ref.)
Advances in molecular biology. Potential impact on diagnosis and treatment of disorders of the thyroid. Baxter JD. **Med Clin North Am** 1991 Jan;75(1):41–59 (94 ref.)
Recombinant DNA approaches to the study of allergens and allergenic determinants. Donovan GR, et al. **Monogr Allergy** 1990;28:52–83 (64 ref.)
Basic principles of recombinant DNA use for prenatal diagnosis. Goldberg JD. **Semin Perinatol** 1990 Dec; 14(6):439–45 (16 ref.)
Implications for the release of genetically engineered organisms. Pickup RW, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:19S–30S (100 ref.)
[Application of DNA recombination technique to parasitological research] Li BW, et al. **Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1990;8(3):223–6 (29 ref.) (Chi)
[Molecular biology in gastroenterology. I. Genes and DNA recombinant techniques] González L, et al. **Rev Gastroenterol Mex** 1990 Apr–Jun;55(2):91–100 (9 ref.) (Spa)

ANALYSIS

Quantitation of DNA and protein impurities in biopharmaceuticals. Briggs J, et al. **Anal Chem** 1991 May 1;63(9):850–9 (51 ref.)

DIAGNOSTIC USE

DNA based diagnostic tests: recombinant DNA and cardiovascular disease risk factors. Sidoli A, et al. **Br Med Bull** 1990 Oct;46(4):941–59 (40 ref.)
Recombinant DNA methods in hemophilia A: carrier detection and prenatal diagnosis. Sadler JE. **Semin Thromb Hemost** 1990 Oct;16(4):341–7 (50 ref.)

GENETICS

Recombinant DNA approaches to study the role of the regulatory light chains (RLC) using scallop myosin as a test system. Kendrick-Jones J, et al. **J Cell Sci Suppl** 1991; 14:55–8 (31 ref.)
[In vitro enzymatic amplification of specific DNA sequences] Jungerman M, et al. **Postepy Biochem** 1990;36(1–2):14–21 (20 ref.) (Pol)
[Recombinant DNA in the study of protein hormones]

Pankov IuA. **Mol Biol (Mosk)** 1990 Sep–Oct;24(5):1162–72 (51 ref.) (Eng. Abstr.) **(Rus)**
[Recombinant DNA in the study of diabetes mellitus] Pankov IuA. **Mol Biol (Mosk)** 1990 Sep–Oct;24(5):1173–80 (35 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Physiological aspects of growth and recombinant DNA stability in Saccharomyces cerevisiae. Mason CA. **Antonie Van Leeuwenhoek** 1991 May;59(4):269–83 (68 ref.)

DNA RECOMBINANT PROTEINS see **RECOMBINANT PROTEINS**

DNA RELAXING ENZYMES see **DNA UNTWISTING PROTEINS**

DNA REPAIR

Gene specific damage and repair after treatment of cells with UV and chemotherapeutical agents. Bohr VA. **Adv Exp Med Biol** 1991;283:225–33 (32 ref.)
Repair of O6–methylguanine damage in normal human tissues. D'Ambrosio SM, et al. **Basic Life Sci** 1990; 53:397–416 (119 ref.)
Effects of caloric restriction on the maintenance of genetic fidelity. Hart RW, et al. **Basic Life Sci** 1990;53:351–61 (20 ref.)
Damage specific mammalian endonucleases. Haukanes BI, et al. **Basic Life Sci** 1990;53:191–202 (25 ref.)
DNA repair in mammalian tissues and cells. Krokan HE, et al. **Basic Life Sci** 1990;53:175–90 (84 ref.)
Alkylation repair in human tissues. Montesano R, et al. **Basic Life Sci** 1990;53:437–52 (75 ref.)
The significance of DNA damage and repair mechanisms in health risk assessment. Rhomberg L, et al. **Basic Life Sci** 1990;53:225–32 (3 ref.)
DNA damage and repair in human skin: pathways and questions. Sutherland BM, et al. **Basic Life Sci** 1990; 53:149–60 (35 ref.)
Repair of O4–alkylthymine damage in human cells. Wani AA, et al. **Basic Life Sci** 1990;53:417–35 (84 ref.)
Eukaryotic DNA repair: glimpses through the yeast Saccharomyces cerevisiae. Friedberg EC. **Bioessays** 1991 Jun;13(6):295–302 (50 ref.)
Mismatch repair in mammalian cells. Heywood LA, et al. **Bioessays** 1990 Oct;12(10):473–7 (38 ref.)
DNA photorepair: chromophore composition and function in two classes of DNA photolyases. Jorns MS. **Biofactors** 1990 Oct;2(4):207–11 (46 ref.)
Carcinogenesis: molecular defences against carcinogens. Smith PJ. **Br Med Bull** 1991 Jan;47(1):3–20 (63 ref.)
DNA repair and the molecular mechanisms of Bloom's syndrome. Sirover MA, et al. **Crit Rev Oncog** 1990; 2(1):19–33 (111 ref.)
The role of PSO and SNM genes in DNA repair of the yeast Saccharomyces cerevisiae. Henriques JA, et al. **Curr Genet** 1990 Dec;18(5):387–93 (97 ref.)
DNA repair and the role of chromatin structure. Smerdon MJ. **Curr Opin Cell Biol** 1991 Jun;3(3):422–8 (52 ref.)
Repair of DNA damage induced by reactive oxygen species. Breimer LH. **Free Radic Res Commun** 1991;14(3):159–71 (112 ref.)
Protein, lipid and DNA repair systems in oxidative stress: the free–radical theory of aging revisited. Pacifici RE, et al. **Gerontology** 1991;37(1–3):166–80 (84 ref.)
DNA double–strand breaks: their repair and relationship to cell killing in yeast. Frankenberg–Schwager M, et al. **Int J Radiat Biol** 1990 Oct;58(4):569–75 (26 ref.)
DNA repair in radiation sensitive mutants of mammalian cells: possible involvement of DNA topoisomerases. Hickson ID, et al. **Int J Radiat Biol** 1990 Oct;58(4):561–8 (29 ref.)
DNA topoisomerases and radiation responses. Smith PJ. **Int J Radiat Biol** 1990 Oct;58(4):553–9 (39 ref.)
Drug–induced DNA damage and tumor chemosensitivity. Epstein RJ. **J Clin Oncol** 1990 Dec;8(12):2062–84 (355 ref.)
Inducible DNA repair in microbes. Sedgwick SG. **Microbiol Sci** 1986 Mar;3(3):76–8, 83 (35 ref.)
New insights in DNA repair: preferential repair of transcriptionally active DNA. Terleth C, et al. **Mutagenesis** 1991 Mar;6(2):103–11 (105 ref.)
Site–specifically alkylated oligodeoxynucleotides: probes for mutagenesis, DNA repair and the structural effects of DNA damage. Basu AK, et al. **Mutat Res** 1990 Nov–Dec; 233(1–2):189–201 (85 ref.)
Role of DNA methylation in the activation of proto–oncogenes and the induction of pulmonary neoplasia by nitrosamines. Belinsky SA, et al. **Mutat Res** 1990 Nov–Dec;233(1–2):105–16 (44 ref.)
Immunocytochemical analysis of in vivo DNA modification. den Engelse L, et al. **Mutat Res** 1990 Nov–Dec; 233(1–2):265–87 (141 ref.)
Heterogeneity of DNA repair at the gene level. Hanawalt PC. **Mutat Res** 1991 Apr;247(2):203–11 (25 ref.)
Physiological properties and repair of apurinic/apyrimidinic sites and imidazole ring–opened guanines in DNA. Laval J, et al. **Mutat Res** 1990 Nov–Dec;233(1–2):73–9 (56 ref.)
DNA alkylation by the haloethylnitrosoureas: nature of modifications produced and their enzymatic repair or removal. Ludlum DB. **Mutat Res** 1990 Nov–Dec; 233(1–2):117–26 (38 ref.)
DNA damage metabolism and aging. Mullaart E, et al. **Mutat Res** 1990 Sep–Nov;237(5–6):189–210 (202 ref.)
Resistance to alkylation damage in Escherichia coli: role of the Ada protein in induction of the adaptive response. Shevell DE, et al. **Mutat Res** 1990 Nov–Dec; 233(1–2):53–72 (116 ref.)
Identification of human genes involved in repair and tolerance of DNA damage. Kaina B, et al. **Radiat Environ Biophys** 1991;30(1):1–19 (87 ref.)

DRUG EFFECTS

The use of metabolic inhibitors in the analysis of eukaryotic DNA repair. Collins A, et al. **Acta Biol Hung** 1990; 41(1–3):65–75 (17 ref.)
[Psoralens as probes in the study of the structure and function of nucleic acids] Czyż M. **Postepy Biochem** 1989; 35(4):591–608 (153 ref.) **(Pol)**

GENETICS

Selective DNA repair in active genes. Hanawalt PC. **Acta Biol Hung** 1990;41(1–3):77–91 (25 ref.)
The E. coli ogt gene. Margison GP, et al. **Mutat Res** 1990 Nov–Dec;233(1–2):15–21 (40 ref.)
Properties and applications of human DNA repair genes. Thompson LH. **Mutat Res** 1991 Apr;247(2):213–9 (25 ref.)
Molecular analysis of the REV2 gene of Saccharomyces cerevisiae—a review. Ahne F, et al. **Radiat Environ Biophys** 1990;29(4):293–301 (35 ref.)

PHYSIOLOGY

Molecular genetics of eukaryotic DNA excision repair. Hoeijmakers JH, et al. **Cancer Cells** 1990 Oct;2(10):311–20 (65 ref.)
A deficiency in chromatin repair, genetic instability, and predisposition to cancer. Sanford KK, et al. **Crit Rev Oncog** 1989;1(3):323–41 (167 ref.)
Poly(ADP–ribose)polymerase: a perplexing participant in cellular responses to DNA breakage. Cleaver JE, et al. **Mutat Res** 1991 Jan;257(1):1–18 (146 ref.)
Induction, repair and biological relevance of radiation–induced DNA lesions in eukaryotic cells. Frankenberg–Schwager M. **Radiat Environ Biophys** 1990; 29(4):273–92 (149 ref.)
DNA damage and repair following treatment with ionizing radiation. Powell S, et al. **Radiother Oncol** 1990 Oct; 19(2):95–108 (78 ref.)

RADIATION EFFECTS

Xeroderma pigmentosum: review and report of a case. Patton LL, et al. **Oral Surg Oral Med Oral Pathol** 1991 Mar; 71(3):297–300 (24 ref.)
The ESTRO Breur lecture. Cellular sensitivity to low dose–rate irradiation focuses the problem of tumour radioresistance. Steel GG. **Radiother Oncol** 1991 Feb; 20(2):71–83 (45 ref.)

DNA REPETITIOUS REGION see **REPETITIVE SEQUENCES, NUCLEIC ACID**

DNA REPLICATION

see related
DNA UNTWISTING PROTEINS
DNA UNWINDING PROTEINS
VIRUS REPLICATION

The use of 5'–bromodeoxyuridine in the study of cell proliferation. Hardonk MJ, et al. **Acta Histochem Suppl** 1990;39:99–108 (57 ref.)
Fidelity mechanisms in DNA replication. Echols H, et al. **Annu Rev Biochem** 1991;60:477–511 (253 ref.)
Protein–priming of DNA replication. Salas M. **Annu Rev Biochem** 1991;60:39–71 (353 ref.)
Regulation and drug resistance mechanisms of mammalian ribonucleotide reductase, and the significance to DNA synthesis. Wright JA, et al. **Biochem Cell Biol** 1990 Dec; 68(12):1364–71 (61 ref.)
Misalignment–mediated DNA synthesis errors. Kunkel TA. **Biochemistry** 1990 Sep 4;29(35):8003–11 (66 ref.)
Properties of DNA polymerases delta and epsilon, and their roles in eukaryotic DNA replication. Bambara RA, et al. **Biochim Biophys Acta** 1991 Jan 17;1088(1):11–24 (181 ref.)
Yeast as a model system for understanding the control of DNA replication in Eukaryotes. Bartlett R, et al. **Bioessays** 1990 Oct;12(10):457–63 (53 ref.)
Telomeres, telomerase and senescence. Greider CW. **Bioessays** 1990 Aug;12(8):363–9 (58 ref.)
The 'A rule' of mutagen specificity: a consequence of DNA polymerase bypass of non–instructional lesions? Strauss BS. **Bioessays** 1991 Feb;13(2):79–84 (59 ref.)
The nucleoskeleton and the topology of replication. Cook PR. **Cell** 1991 Aug 23;66(4):627–35 (71 ref.)
Coupling M phase and S phase: controls maintaining the dependence of mitosis on chromosome replication. Enoch T, et al. **Cell** 1991 Jun 14;65(6):921–3 (21 ref.)
How many pols does it take to replicate nuclear DNA? Linn S. **Cell** 1991 Jul 26;66(2):185–7 (29 ref.)
Control of plasmid replication—how do DNA iterons set the replication frequency? Nordström K. **Cell** 1990 Dec 21;63(6):1121–4 (21 ref.)
Replication origins, factors and attachment sites. Gasser SM. **Curr Opin Cell Biol** 1991 Jun;3(3):407–13 (42 ref.)
Origins of replication: timing and chromosomal position. Hamlin JL, et al. **Curr Opin Cell Biol** 1991 Jun;3(3):414–21 (47 ref.)
Eukaryotic DNA replication. Enzymes and proteins acting at the fork. Thömmes P, et al. **Eur J Biochem** 1990 Dec 27;194(3):699–712 (172 ref.)
On the origins of genetic variants. Wintersberger U. **FEBS Lett** 1991 Jul 22;285(2):160–4 (30 ref.)
Insights into X chromosome inactivation from studies of species variation, DNA methylation and replication, and vice versa. Migeon BR. **Genet Res** 1990 Oct–Dec; 56(2–3):91–8 (75 ref.)
The in vitro replication of DNA containing the SV40 origin. Hurwitz J, et al. **J Biol Chem** 1990 Oct 25;265(30):18043–6 (56 ref.)
DNA topoisomerases: why so many? Wang JC. **J Biol Chem** 1991 Apr 15;266(11):6659–62 (43 ref.)
Initiation of lymphocyte DNA synthesis. Coffman FD, et al. **J Cell Biochem** 1991 Jan;45(1):15–21 (48 ref.)
Implications of DNA replication for eukaryotic gene expression. Wolffe AP. **J Cell Sci** 1991 Jun;99 (Pt 2):201–6 (79 ref.)
Copy number control in the Tetrahymena macronuclear genome. Larson DD, et al. **J Protozool** 1991 May–Jun; 38(3):258–63 (55 ref.)
Papillomavirus DNA replication. Lambert PF. **J Virol** 1991 Jul;65(7):3417–20 (37 ref.)
Parvovirus replication. Berns KI. **Microbiol Rev** 1990 Sep; 54(3):316–29 (153 ref.)
The replication of plasmid pSC101. Manen D, et al. **Mol Microbiol** 1991 Feb;5(2):233–7 (38 ref.)
From gene to chromosome: organization levels defined by the interplay of transcription and replication in vertebrates. Herbomel P. **New Biol** 1990 Nov;2(11):937–45 (73 ref.)
Molecular aspects of the cell cycle and encystment of Acanthamoeba. Byers TJ, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 5:S373–84 (90 ref.)
Nuclear gadgets in mitochondrial DNA replication and transcription. Clayton DA. **Trends Biochem Sci** 1991 Mar; 16(3):107–11 (30 ref.)
Control of ColE1 plasmid replication by antisense RNA. Cesareni G, et al. **Trends Genet** 1991 Jul;7(7):230–5 (34 ref.)
The initiation of chromosomal DNA replication in eukaryotes. Diffley JF, et al. **Trends Genet** 1990 Dec; 6(12):427–32 (39 ref.)
[Factors for activation of the replication origin of the E. coli chromosome] Asai T. **Idengaku Zasshi** 1991 Feb; 66(1):85–107 (46 ref.) **(Jpn)**
[Origin of DNA replication of filamentous coliphages] Horiuchi K. **Idengaku Zasshi** 1990 Aug;65(4):225–41 (48 ref.) **(Jpn)**

GENETICS

The role of telomeres in poxvirus DNA replication. DeLange AM, et al. **Curr Top Microbiol Immunol** 1990;163:71–92 (108 ref.)
The enzymology of poxvirus DNA replication. Traktman P. **Curr Top Microbiol Immunol** 1990;163:93–123 (115 ref.)

RADIATION EFFECTS

[A possible molecular mechanism of the impairment of the stability of the genome in cells capable of replicating DNA in acute and chronic forms of radiation sickness] Fradkin GE. **Radiobiologiia** 1990 Jul–Aug;30(4):458–66 (28 ref.) (Eng. Abstr.) **(Rus)**

DNA RESTRICTION ENZYME ECORI see **DEOXYRIBONUCLEASE ECORI**

DNA RESTRICTION ENZYMES

see related
RESTRICTION MAPPING

CHEMISTRY

Specificity of restriction endonucleases and DNA modification methyltransferases a review (Edition 3). Kessler C, et al. **Gene** 1990 Aug 16;92(1–2):1–248 (992 ref.)

GENETICS

A possible role for DNA restriction in bacterial evolution. Price C, et al. **Microbiol Sci** 1986 Oct;3(10):296–9 (25 ref.)

ISOLATION & PURIFICATION

[Restriction endonucleases: methods and means of isolation] Sokolov NN. **Mol Gen Mikrobiol Virusol** 1990 Nov; (11):3–7 (77 ref.) **(Rus)**

METABOLISM

Restriction enzymes and their isoschizomers. Roberts RJ, et al. **Nucleic Acids Res** 1991 Apr 25;19 Suppl:2077–109 (85 ref.)
DNA–protein interactions: the use of synthetic oligo– and polynucleotides for studying single–stranded–DNA–binding proteins and restriction endonucleases. Gromova ES, et al. **Prog Nucleic Acid Res Mol Biol** 1990;39:1–47 (71 ref.)

DNA RESTRICTION ENZYMES, TYPE II see

DEOXYRIBONUCLEASES, TYPE II SITE-SPECIFIC

DNA RESTRICTION-MODIFICATION ENZYMES

GENETICS

Organization of restriction-modification systems. Wilson GG. **Nucleic Acids Res** 1991 May 25;19(10):2539–66 (225 ref.)

[Genetic determinants of restriction-modification systems in bacteria] Kariagina AS. **Mol Gen Mikrobiol Virusol** 1990 Jul;(7):3–11 (105 ref.) (Eng. Abstr.) **(Rus)**

DNA, RIBOSOMAL

see related
TRANSCRIPTION, GENETIC

Ribosomal DNA fingerprinting of Listeria monocytogenes using a digoxigenin-labeled DNA probe. Graves LM, et al. **Eur J Epidemiol** 1991 Jan;7(1):77–82 (19 ref.)

News from the nucleolus: rRNA gene expression. Sollner-Webb B, et al. **Trends Biochem Sci** 1991 Feb; 16(2):58–62 (49 ref.)

BIOSYNTHESIS

Copy number control in the Tetrahymena macronuclear genome. Larson DD, et al. **J Protozool** 1991 May-Jun; 38(3):258–63 (55 ref.)

GENETICS

[Expression of eukaryotic rDNA genes] Swat W, et al. **Postepy Biochem** 1990;36(1–2):4–13 (82 ref.) **(Pol)**

DNA, SATELLITE

Genetic variability of a satellite sequence in the dipteran Musca domestica. Blanchetot A. **Experientia Suppl** 1991; 58:106–12 (9 ref.)

Multilocus and single locus minisatellite analysis in population biological studies. Burke T, et al. **Experientia Suppl** 1991;58:154–68 (51 ref.)

Human variable number of tandem repeat probes as a source of polymorphic markers in experimental animals. de Gouyon B, et al. **Experientia Suppl** 1991;58:85–94 (16 ref.)

Identification of markers associated with quantitative trait loci in chickens by DNA fingerprinting. Kuhnlein U, et al. **Experientia Suppl** 1991;58:274–82 (14 ref.)

DNA fingerprinting of the human intestinal parasite Giardia intestinalis with hypervariable minisatellite sequences. Upcroft P. **Experientia Suppl** 1991;58:70–84 (79 ref.)

Generation of variability at VNTR loci in human DNA. Wolff R, et al. **Experientia Suppl** 1991;58:20–38 (33 ref.)

ANALYSIS

Detection of amplified VNTR alleles by direct chemiluminescence: application to the genetic identification of biological samples in forensic cases. Decorte R, et al. **Experientia Suppl** 1991;58:371–90 (63 ref.)

BIOSYNTHESIS

Retroelements in bacteria. Inouye M, et al. **Trends Biochem Sci** 1991 Jan;16(1):18–21 (35 ref.)

CHEMISTRY

Role of acrocentric cen-pter satellite DNA in Robertsonian translocation and chromosomal non-disjunction. Choo KH. **Mol Biol Med** 1990 Oct;7(5):437–49 (76 ref.)

Centromeres of mammalian chromosomes. Willard HF. **Trends Genet** 1990 Dec;6(12):410–6 (42 ref.)

GENETICS

On evolutionarily conserved simple repetitive DNA sequences: do "sex-specific" satellite components serve any sequence dependent function? Epple JT, et al. **Differentiation** 1983;23 Suppl:S60–3 (18 ref.)

A survey of the genomic distribution of alpha satellite DNA on all the human chromosomes, and derivation of a new consensus sequence. Choo KH, et al. **Nucleic Acids Res** 1991 Mar 25;19(6):1179–82 (44 ref.)

Alpha and beta satellite sequences on chromosome 21: the possible role of centromere and chromosome structure in nondisjunction. Willard HF. **Prog Clin Biol Res** 1990; 360:39–52 (32 ref.)

DNA, SINGLE-STRANDED

msDNA of bacteria. Lampson BC, et al. **Prog Nucleic Acid Res Mol Biol** 1991;40:1–24 (55 ref.)

BIOSYNTHESIS

Retroelements in bacteria. Inouye M, et al. **Trends Biochem Sci** 1991 Jan;16(1):18–21 (35 ref.)

GENETICS

The discovery of a single-stranded, circular DNA genome. Sinsheimer RL. **Bioessays** 1991 Feb;13(2):89–91 (12 ref.)

METABOLISM

DNA strand break metabolism in human lymphocytes: a reevaluation. Boerrigter ME. **Exp Cell Res** 1991 Sep; 196(1):1–5 (43 ref.)

DNA, SPACER see **DNA, RIBOSOMAL**

DNA, SUPERCOILED see **DNA, SUPERHELICAL**

DNA, SUPERHELICAL

CHEMISTRY

Bacterial topoisomerases and the control of DNA supercoiling. Drlica K. **Trends Genet** 1990 Dec;6(12):433–7 (35 ref.)

GENETICS

Local DNA topology and gene expression: the case of the leu-500 promoter. Lilley DM, et al. **Mol Microbiol** 1991 Apr;5(4):779–83 (24 ref.)

PHYSIOLOGY

DNA supercoiling and environmental regulation of gene expression in pathogenic bacteria. Dorman CJ. **Infect Immun** 1991 Mar;59(3):745–9 (58 ref.)

ULTRASTRUCTURE

Catalytic function of DNA topoisomerase II. Osheroff N, et al. **Bioessays** 1991 Jun;13(6):269–73 (57 ref.)

DNA, SUPERTWISTED see **DNA, SUPERHELICAL**

DNA TOPOISOMERASE see **DNA UNTWISTING PROTEINS**

DNA TOPOISOMERASE(ATP-HYDROLYSING) see **DNA GYRASE**

DNA TOPOISOMERASE I see **DNA UNTWISTING PROTEINS**

DNA TOPOISOMERASE II see **DNA GYRASE**

DNA TUMOR VIRUSES

Immortalization of primary cells by DNA tumor viruses. Linder S, et al. **Exp Cell Res** 1990 Nov;191(1):1–7 (101 ref.)

GENETICS

Oncogenes: the role of DNA tumor viruses in cancer. Benchimol S. **Curr Opin Oncol** 1990 Feb;2(1):138–42 (14 ref.)

PHYSIOLOGY

Cellular proteins that are targetted by DNA tumor viruses for transformation. Dyson N, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:191–8 (53 ref.)

DNA UNTWISTING ENZYMES see **DNA UNTWISTING PROTEINS**

DNA UNTWISTING PROTEINS

ANTAGONISTS & INHIBITORS

DNA topoisomerases as anticancer drug targets. Schneider E, et al. **Adv Pharmacol** 1990;21:149–83 (233 ref.)

[Combination cancer chemotherapy using a DNA topoisomerase inhibitor CPT-11, as a core agent—the in vitro evaluation] Oguro M, et al. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1556–61 (15 ref.) (Eng. Abstr.) **(Jpn)**

[Mechanisms of acquired resistance to DNA topoisomerase I inhibitors] Okada K, et al. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1562–7 (27 ref.) (Eng. Abstr.) **(Jpn)**

[DNA topoisomerase inhibitor as chemotherapeutic drug—clinical point of view] Taguchi T. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1574–8 (17 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

Bacterial topoisomerases and the control of DNA supercoiling. Drlica K. **Trends Genet** 1990 Dec;6(12):433–7 (35 ref.)

METABOLISM

DNA topoisomerases: why so many? Wang JC. **J Biol Chem** 1991 Apr 15;266(11):6659–62 (43 ref.)

PHYSIOLOGY

DNA repair in radiation sensitive mutants of mammalian cells: possible involvement of DNA topoisomerases. Hickson ID, et al. **Int J Radiat Biol** 1990 Oct;58(4):561–8 (29 ref.)

DNA topoisomerases and radiation responses. Smith PJ. **Int J Radiat Biol** 1990 Oct;58(4):553–9 (39 ref.)

DNA topoisomerases: enzymes that change the shape of DNA. Austin CA, et al. **Sci Prog** 1990;74(294 Pt 2):147–61 (25 ref.)

[Biological functions of DNA topoisomerases] Andoh T. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1543–9 (22 ref.) (Eng. Abstr.) **(Jpn)**

DNA UNWINDING PROTEINS

METABOLISM

DNA helicases of Escherichia coli. Matson SW. **Prog Nucleic Acid Res Mol Biol** 1991;40:289–326 (234 ref.)

DNA, VIRAL

ANALYSIS

Molecular biology of varicella zoster virus. Ostrove JM. **Adv Virus Res** 1990;38:45–98 (148 ref.)

Nucleic acid detection systems for enteroviruses. Rotbart HA. **Clin Microbiol Rev** 1991 Apr;4(2):156–68 (115 ref.)

The detection of hepatitis B virus (HBV) in HBsAG negative individuals with primary liver cancer. Paterlini P, et al. **Dig Dis Sci** 1991 Aug;36(8):1122–9 (39 ref.)

The search for scrapie agent nucleic acid. Aiken JM, et al. **Microbiol Rev** 1990 Sep;54(3):242–6 (69 ref.)

Detection of Epstein-Barr virus with molecular hybridization techniques. Pagano JS. **Rev Infect Dis** 1991 Jan-Feb;13 Suppl 1:S123–8 (17 ref.)

[The diagnosis of genital papillomavirus infections using molecular hybridization] Drouet E, et al. **Rev Fr Gynecol Obstet** 1990 Oct;85(10):564–8 (10 ref.) (Eng. Abstr.) **(Fre)**

[Veterinary medicine and molecular biology: possibilities and limits of virus detection] Pauli U, et al. **Schweiz Arch Tierheilkd** 1991;133(1):35–42 (31 ref.) (Eng. Abstr.) **(Ger)**

[DNA amplification (polymerase chain reaction) in microbiological diagnosis] García de Lomas J, et al. **Enferm Infecc Microbiol Clin** 1990 Nov;8(9):574–83 (41 ref.) **(Spa)**

[Diagnostic evaluation of cervix uteri infections associated with infection caused by human papilloma virus] Dabancens A, et al. **Rev Chil Obstet Ginecol** 1990; 55(1):50–3 (12 ref.) (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Viral DNA synthesis. Seeger C, et al. **Curr Top Microbiol Immunol** 1991;168:41–60 (85 ref.)

CHEMISTRY

Comparison of the structures of operator DNA free and in complex with lambda repressor. Baleja JD, et al. **Biochem Cell Biol** 1991 Feb-Mar;69(2–3):202–5 (14 ref.)

The grammatical rule for all DNA: junk and coding sequences. Ohno S, et al. **Electrophoresis** 1991 Feb-Mar; 12(2–3):103–8 (20 ref.)

GENETICS

Malignant transformation of cells by DNA viruses: adenovirus DNA integration in the mammalian genome. Doerfler W. **Crit Rev Oncog** 1989;1(2):211–9 (55 ref.)

The role of telomeres in poxvirus DNA replication. DeLange AM, et al. **Curr Top Microbiol Immunol** 1990;163:71–92 (108 ref.)

The enzymology of poxvirus DNA replication. Traktman P. **Curr Top Microbiol Immunol** 1990;163:93–123 (115 ref.)

The in vitro replication of DNA containing the SV40 origin. Hurwitz J, et al. **J Biol Chem** 1990 Oct 25;265(30):18043–6 (56 ref.)

Varicella-zoster virus. The Fourteenth Fleming lecture. Davison AJ. **J Gen Virol** 1991 Mar;72 (Pt 3):475–86 (123 ref.)

Integration of viruses into chromosomal DNA. Onions D. **J Pathol** 1991 Mar;163(3):191–7 (10 ref.)

Integration of hepatitis B virus DNA and its implications for hepatocarcinogenesis. Matsubara K, et al. **Mol Biol Med** 1990 Jun;7(3):243–60 (106 ref.)

Chronic hepadnavirus infections. Mason WS, et al. **Prog Clin Biol Res** 1991;364:235–42 (14 ref.)

[Genetic variability of hepatitis B virus: relationship with pathogenicity (editorial)] Zarski JP, et al. **Gastroenterol Clin Biol** 1991;15(4):277–9 (24 ref.) **(Fre)**

METABOLISM

Bacteriophage lambda DNA maturation and packaging. Murialdo H. **Annu Rev Biochem** 1991;60:125–53 (151 ref.)

DNA VIRUSES

see related
DNA, VIRAL

ANALYSIS

Granulomatous vasculitis occurring after cutaneous herpes zoster despite absence of viral genome. Langenberg A, et al. **J Am Acad Dermatol** 1991 Mar;24(3):429–33 (22 ref.)

DRUG EFFECTS

Interferon-induced proteins and the antiviral state. Stacheli P. **Adv Virus Res** 1990;38:147-200 (214 ref.)

Broad-spectrum anti-DNA virus and anti-retrovirus activity of phosphonylmethoxyalkylpurines and -pyrimidines. De Clercq E. **Biochem Pharmacol** 1991 Aug 8;42(5):963-72 (69 ref.)

Molecular mechanisms of action of ribavirin. Patterson JL, et al. **Rev Infect Dis** 1990 Nov-Dec;12(6):1139-46 (39 ref.)

GENETICS

Malignant transformation of cells by DNA viruses: adenovirus DNA integration in the mammalian genome. Doerfler W. **Crit Rev Oncog** 1989;1(2):211-9 (55 ref.)

PHYSIOLOGY

Recombinant virus vaccines--present status and future prospects. Heinrich HW. **Arch Exp Veterinarmed** 1990; 44(6):849-53 (15 ref.)

Viruses in fungi and eukaryotic algae: their possible origins and evolution. Ushiyama R. **Microbiol Sci** 1985 Jun; 2(6):181-4 (35 ref.)

DNASE, SITE-SPECIFIC, TYPE II see **DEOXYRIBONUCLEASES, TYPE II SITE-SPECIFIC**

DO-NOT-RESUSCITATE ORDERS see **RESUSCITATION ORDERS**

DOBUTAMINE

THERAPEUTIC USE

Dobutamine vs dopamine: another look [comment] Dasta JF, et al. **Pharmacotherapy** 1990;10(6):417-8 (5 ref.) Comment on: Pharmacotherapy 1990;10(3):224-9.

[Dobutamine: mechanisms of action and use in acute cardiovascular pathology] Vallet B, et al. **Ann Cardiol Angeiol (Paris)** 1991 Jun;40(6):397-402 (35 ref.) (Eng. Abstr.) **(Fre)**

[Role of the enoximone-dobutamine combination in the treatment of congestive cardiac insufficiency] Richard C, et al. **Arch Mal Coeur** 1990 Sep;83 Spec No 3:33-7 (16 ref.) (Eng. Abstr.) **(Fre)**

DOCA see **DESOXYCORTICOSTERONE**

DOCTOR-PATIENT RELATIONS see **PHYSICIAN-PATIENT RELATIONS**

DOCUMENTATION

see related
RECORDS

Requirements for the documentation of pharmacokinetic properties of antimicrobial agents. Bergan T. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):506-9 (11 ref.)

Documentation and evaluation in oral health services. Mecklenburg R. **J Public Health Dent** 1990;50(6 Spec No):439-46 (25 ref.)

METHODS

[Observations on documentation and recording of audiometry results] Kumpf W. **Laryngorhinootologie** 1991 Feb; 70(2):78-82 (13 ref.) (Eng. Abstr.) **(Ger)**

[Headache--documentation and available research] Taubert K, et al. **Z Arztl Fortbild (Jena)** 1991 Jan 25;85(1-2):14-7 (10 ref.) **(Ger)**

STANDARDS

Effectiveness of source documents for identifying fatal occupational injuries: a synthesis of studies. Stout N, et al. **Am J Public Health** 1991 Jun;81(6):725-8 (21 ref.)

DODECANOIC ACIDS see **LAURIC ACIDS**

DOG DISEASES

Spontaneous tumors in dogs and cats: models for the study of cancer biology and treatment. MacEwen EG. **Cancer Metastasis Rev** 1990 Sep;9(2):125-36 (54 ref.)

Pet-associated lung diseases. Winer-Muram HT, et al. **J Thorac Imaging** 1991 Jul;6(3):14-30 (111 ref.)

Canine haemobartonellosis, canine hepatozoonosis, and feline cytauxzoonosis. Hoskins JD. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):129-40 (45 ref.)

Tick paralysis in North America and Australia. Malik R, et al. **Vet Clin North Am Small Anim Pract** 1991 Jan; 21(1):157-71 (50 ref.)

Newly reported skin disease syndromes in the dog. Stewart LJ. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1603-13 (30 ref.)

[Ctenocephalides canis and Ctenocephalides felis infestations of dogs and cats. Biology of the agent, epizootiology, pathogenesis, clinical signs, diagnosis and control] Kalvelage H, et al. **Tierarztl Prax** 1991 Apr;19(2):200-6 (0 ref.) (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Cutaneous drug eruptions. Mason KV. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1633-53 (38 ref.)

Use of prostaglandin F2 alpha for early pregnancy termination in the mismated bitch. Romagnoli SE, et al. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):487-99 (40 ref.)

DIAGNOSIS

Principles of magnetic resonance imaging and application to the stifle joint in dogs. Widmer WR, et al. **J Am Vet Med Assoc** 1991 Jun 1;198(11):1914-22 (43 ref.)

Bronchoalveolar lavage in the evaluation of pulmonary disease in the dog and cat. State of the art [see comments] Hawkins EC, et al. **J Vet Intern Med** 1990 Sep-Oct; 4(5):267-74 (40 ref.) Comment in: J Vet Intern Med 1991 Jan-Feb;5(1):52-5.

Diagnostic imaging of intracranial lesions. Bailey MQ. **Semin Vet Med Surg (Small Anim)** 1990 Nov;5(4):232-6 (34 ref.)

Spinal neoplasia: diagnosis and treatment. Luttgen PJ. **Semin Vet Med Surg (Small Anim)** 1990 Nov;5(4):246-52 (28 ref.)

The clinical presentation and diagnosis of intracranial neoplasia. Nafe LA. **Semin Vet Med Surg (Small Anim)** 1990 Nov;5(4):223-31 (17 ref.)

Current diagnostic techniques for evaluating thyroid function in the dog. Beale KM. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1429-41 (59 ref.)

Clinical approach to infertility in the cycling bitch. Freshman JL. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):427-35 (29 ref.)

Clinical approach to infertility in bitches with primary anestrus. Johnston SD. **Vet Clin North Am Small Anim Pract** 1991 May;21(3):421-5 (22 ref.)

Endoscopy of the lower gastrointestinal tract. Jones BD. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1229-42 (2 ref.)

Cystoscopy. McCarthy TC, et al. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1315-39 (15 ref.)

Thoracoscopy. McCarthy TC, et al. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1341-52 (10 ref.)

Diagnostic criteria for separation anxiety in the dog. McCrave EA. **Vet Clin North Am Small Anim Pract** 1991 Mar;21(2):247-55 (18 ref.)

Clinical approach to vaginal/vestibular masses in the bitch. Manothaiudom K, et al. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):509-21 (53 ref.)

Allergic contact dermatitis in the dog. Principles and diagnosis. Olivry T, et al. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1443-56 (25 ref.)

Tracheobronchoscopy. Roudebush P. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1297-314 (32 ref.)

Laryngoscopy. Roudebush P. **Vet Clin North Am Small Anim Pract** 1990 Sep;20(5):1291-5 (3 ref.)

Advances in methodology for diagnosis of allergic skin disease. Sousa CA, et al. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1419-27 (31 ref.)

Medical dissolution and prevention of canine and feline uroliths: diagnostic and therapeutic caveats. Osborne CA, et al. **Vet Rec** 1990 Oct 13;127(15):369-73 (26 ref.)

[The diagnosis of adrenal cortical function in animals using hormone analysis] Evers P, et al. **Tierarztl Prax** 1990 Dec; 18(6):557-63 (39 ref.) (Eng. Abstr.) **(Ger)**

[Atopic dermatitis in dogs: new diagnostic criteria] Willemse T. **Tierarztl Prax** 1990 Oct;18(5):525-8 (32 ref.) (Eng. Abstr.) **(Ger)**

[Atopic dermatitis in dogs. Symptomatology and diagnosis] Willemse T. **Tierarztl Prax** 1991 Feb;19(1):96-101 (21 ref.) (Eng. Abstr.) **(Ger)**

DIET THERAPY

The role of nutrition in the management of dermatoses. Codner EC, et al. **Semin Vet Med Surg (Small Anim)** 1990 Aug;5(3):167-77 (42 ref.)

Nutritional management of diabetes mellitus. Nelson RW, et al. **Semin Vet Med Surg (Small Anim)** 1990 Aug; 5(3):178-86 (57 ref.)

Nutritional management of chronic renal failure. Polzin D, et al. **Semin Vet Med Surg (Small Anim)** 1990 Aug; 5(3):187-96 (47 ref.)

DRUG THERAPY

Preliminary study of lomustine in the treatment of intracranial masses in dogs following localization by imaging techniques. Fulton LM, et al. **Semin Vet Med Surg (Small Anim)** 1990 Nov;5(4):241-5 (16 ref.)

Fatty acid supplementation and skin disease. Campbell KL. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1475-86 (37 ref.)

Strategies for management of recurrent pyoderma in dogs. DeBoer DJ. **Vet Clin North Am Small Anim Pract** 1990 Nov;20(6):1509-24 (28 ref.)

Psychotropic drugs and behavioral therapy. Marder AR. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):329-42 (33 ref.)

New therapeutic agents in veterinary dermatology. Mundell AC. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1541-56 (80 ref.)

Synthetic retinoids in veterinary dermatology. Power HT, et al. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1525-39 (47 ref.)

EPIDEMIOLOGY

New topics on leptospirosis. Andre-Fontaine G, et al. **Comp Immunol Microbiol Infect Dis** 1990;13(3):163-8 (49 ref.)

Rocky Mountain spotted fever. Comer KM. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):27-44 (47 ref.)

ETIOLOGY

Posttraumatic osteomyelitis. Braden TD. **Vet Clin North Am Small Anim Pract** 1991 Jul; 21(4):781-811 (18 ref.)

Clinical approach to infertile male dogs with sperm in the ejaculate. Meyers-Wallen VN. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):609-33 (53 ref.)

Skin diseases of the Chinese Shar-Pei. Muller GH. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1655-70 (5 ref.)

Clinical approach for evaluating dogs with azoospermia or aspermia. Olson PN. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):591-608 (54 ref.)

Canine cryptorchidism. Romagnoli SE. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):533-44 (37 ref.)

Sex hormone-related and growth hormone-related alopecias. Schmeitzel LP. **Vet Clin North Am Small Anim Pract** 1990 Nov;20(6):1579-601 (79 ref.)

The seborrheic disease complex. An approach to underlying causes and therapies. Shanley KJ. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1557-77 (35 ref.)

Fracture-associated sarcomas. Stevenson S. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):859-72 (52 ref.)

Urinary incontinence in dogs and cats [see comments] Holt PE. **Vet Rec** 1990 Oct 6;127(14):347-50 (46 ref.) Comment in: Vet Rec 1990 Oct 27;127(17):436.

GENETICS

Hepatic copper toxicosis. Sternlieb I. **J Gastroenterol Hepatol** 1989 Mar-Apr;4(2):175-81 (29 ref.)

IMMUNOLOGY

Emergence, natural history, and variation of canine, mink, and feline parvoviruses. Parrish CR. **Adv Virus Res** 1990; 38:403-50 (120 ref.)

Immunological aspects of mammary tumors in dogs and cats: a survey including own studies and pertinent literature. Rutten VP, et al. **Vet Immunol Immunopathol** 1990 Nov; 26(3):211-25 (49 ref.)

MICROBIOLOGY

Ehrlichiosis. Harkess JR. **Infect Dis Clin North Am** 1991 Mar; 5(1):37-51 (35 ref.)

Ehrlichial diseases of dogs. Woody BJ, et al. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):75-98 (39 ref.)

PATHOLOGY

Comparative aspects of cutaneous melanocytic neoplasms in the dog. Dunstan RW, et al. **Am J Dermatopathol** 1985;7 Suppl:197-201 (17 ref.)

Remote effects of cancer on the nervous system. Braund KG. **Semin Vet Med Surg (Small Anim)** 1990 Nov;5(4):262-70 (63 ref.)

Metastatic neoplasms of the central nervous system. Fenner WR. **Semin Vet Med Surg (Small Anim)** 1990 Nov; 5(4):253-61 (68 ref.)

Genesis and pathology of tumors of the nervous system. Johnson GC. **Semin Vet Med Surg (Small Anim)** 1990 Nov; 5(4):210-22 (66 ref.)

Dermatologic aspects of tick bites and tick-transmitted diseases. Merchant SR, et al. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):145-55 (33 ref.)

Morphology of fracture nonunion and osteomyelitis. Woodard JC, et al. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):813-44 (26 ref.)

PHYSIOPATHOLOGY

Hormones and mammary tumour disease in the female dog: an update. Rutteman GR. **In Vivo** 1990 Jan-Feb;4(1):33-40

(107 ref.)
The pathophysiologic basis of behavior problems. Reisner I. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):207–24 (108 ref.)
[Stomach dilatation–volvulus in the dog: current viewpoint and retrospective study in 160 patients] van Sluijs FJ. **Tijdschr Diergeneeskd** 1991 Feb 1;116(3):112–21 (38 ref.) (Eng. Abstr.) **(Dut)**

PREVENTION & CONTROL

Rational control of canine toxocariasis by the veterinary practitioner. Barriga OO. **J Am Vet Med Assoc** 1991 Jan 15;198(2):216–21 (26 ref.)
Control of ticks. Garris GI. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):173–83 (33 ref.)

PSYCHOLOGY

The behavior of sick animals. Hart BL. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):225–37 (65 ref.)
Stereotypic or obsessive–compulsive disorders in dogs and cats. Luescher UA, et al. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):401–13 (55 ref.)

RADIONUCLIDE IMAGING

Thyroid scintigraphy in small animals. Kintzer PP, et al. **Semin Vet Med Surg (Small Anim)** 1991 May;6(2):131–9 (20 ref.)
The principles and practice of bone scintigraphy in small animals. Lamb CR. **Semin Vet Med Surg (Small Anim)** 1991 May;6(2):140–53 (75 ref.)

THERAPY

Long-term management of atopic disease in the dog. Bevier DE. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1487–507 (57 ref.)
[Atopic dermatitis in dogs: therapeutic possibilities] Willemse T. **Tierarztl Prax** 1990 Dec;18(6):645–7 (12 ref.) (Eng. Abstr.) **(Ger)**

TRANSMISSION

Canine Lyme borreliosis. Greene RT. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):51–64 (53 ref.)

ULTRASONOGRAPHY

[Ultrasonic diagnosis in dogs and cats. 2. Clinical use—a review] Flückiger M. **Schweiz Arch Tierheilkd** 1991; 133(3):101–11 (57 ref.) (Eng. Abstr.) **(Ger)**

DOG HEARTWORM see **DIROFILARIA IMMITIS**

DOGS

Comparative aspects of osteosarcoma. Dog versus man. Withrow SJ, et al. **Clin Orthop** 1991 Sep;(270):159–68 (83 ref.)
A review of animal bites in Delaware—1989 to 1990. Spence G. **Del Med J** 1990 Dec;62(12):1425–33 (8 ref.)
Pet population control in Europe. Jöchle W. **J Am Vet Med Assoc** 1991 Apr 1;198(7):1225–30 (50 ref.)
[A new pathogenic organism in human disease. Dysyonic fermenter type 2 infection] Zhang J. **Chung Hua I Hsueh Tsa Chih** 1991 Jan;71(1):51–3 (16 ref.) **(Chi)**

ANATOMY & HISTOLOGY

Principles of magnetic resonance imaging and application to the stifle joint in dogs. Widmer WR, et al. **J Am Vet Med Assoc** 1991 Jun 1;198(11):1914–22 (43 ref.)
Identification of muscle flaps in small animals. Gregory CR, et al. **Microsurgery** 1991;12(2):136–9 (16 ref.)
Anatomy and circulation of the canine skin. Pavletic MM. **Microsurgery** 1991;12(2):103–12 (30 ref.)
Diagnostic imaging of the male canine reproductive organs. Methods and limitations. Johnston GR, et al. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):553–89 (79 ref.)
Diagnostic imaging of the reproductive organs of the bitch. Methods and limitations. Rivers B, et al. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):437–66 (45 ref.)

IMMUNOLOGY

[Differentiation and transplantation antigens on the surface of mononuclear cells of cattle, horses and dogs] Schuberth HJ, et al. **Tierarztl Prax** 1991 Apr;19(2):119–22 (13 ref.) (Eng. Abstr.) **(Ger)**

INJURIES

Principles of screw and plate fixation. Boudrieau RJ. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):75–89 (43 ref.)
Principles of intramedullary pin and wire fixation. Howard PE. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):52–67 (26 ref.)
Principles of conservative fracture management: splints and casts. Leighton RL. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):39–51 (6 ref.)
Principles of external skeletal fixation using the Kirschner–Ehmer splint. Toombs JP. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):68–74 (24 ref.)
Posttraumatic osteomyelitis. Braden TD. **Vet Clin North Am Small Anim Pract** 1991 Jul; 21(4):781–811 (18 ref.)
Biomechanics of fracture fixation failure. Hulse D, et al. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):647–67 (6 ref.)
Complications of fractures repaired with plates and screws. Olmstead ML. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):669–86 (4 ref.)
Complications associated with the use of Steinmann intramedullary pins and cerclage wires for fixation of long-bone fractures. Schrader SC. **Vet Clin North Am Small Anim Pract** 1991 Jul; 21(4):687–703 (14 ref.)
Delayed unions and nonunions. Diagnosis, pathophysiology, and treatment. Sumner-Smith G. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):745–60 (11 ref.)
Complications of fractures repaired with casts and splints. Tomlinson J. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):735–44 (1 ref.)
Morphology of fracture nonunion and osteomyelitis. Woodard JC, et al. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):813–44 (26 ref.)

METABOLISM

Comparative nutrition of cats and dogs. Baker DH. **Annu Rev Nutr** 1991;11:239–63 (175 ref.)
Chloramphenicol 2. Clinical pharmacology in dogs and cats. Watson AD. **Aust Vet J** 1991 Jan;68(1):2–5 (40 ref.)
Tryptase and chymase in dog mast cells. Caughey GH. **Monogr Allergy** 1990;27:67–89 (61 ref.)

PHYSIOLOGY

Current and proposed methods for contraception and termination of pregnancy in dogs and cats. Concannon PW, et al. **J Am Vet Med Assoc** 1991 Apr 1;198(7):1214–25 (76 ref.)
Anesthesia of pups and kittens. Grandy JL, et al. **J Am Vet Med Assoc** 1991 Apr 1;198(7):1244–9 (55 ref.)
Sensory and experiential factors in the design of foods for domestic dogs and cats. Bradshaw JW. **Proc Nutr Soc** 1991 Mar;50(1):99–106 (48 ref.)
Feeding and drinking behavior problems. Houpt KA. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):281–98 (65 ref.)
Performing a complete canine semen evaluation in a small animal hospital. Johnston SD. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):545–51 (11 ref.)
Use of innate behaviors to evaluate sensory function in the dog. Myers LJ. **Vet Clin North Am Small Anim Pract** 1991 Mar;21(2):389–9 (28 ref.)
[Skeletal development in the dog in relation to nutrition] Nap RC, et al. **Tijdschr Diergeneeskd** 1991 Jun 15;116(12):609–27 (29 ref.) (Eng. Abstr.) **(Dut)**

PSYCHOLOGY

Behavioral medicine as a part of a comprehensive small animal medical program. Burghardt WF Jr. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):343–52 (32 ref.)
Psychologic well-being: conceptual issues, behavioral measures, and implications for dogs. Hetts S. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):369–87 (79 ref.)
Canine aggression toward people. Bite scenarios and prevention. Wright JC. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):299–314 (48 ref.)
[Behavior disorders in dogs—study of their classification] Feddersen-Petersen D. **DTW Dtsch Tierarztl Wochenschr** 1991 Jan;98(1):15–9 (18 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Elective gonadectomy in dogs: a review. Salmeri KR, et al. **J Am Vet Med Assoc** 1991 Apr 1;198(7):1183–92 (103 ref.)
Replication of the compartment syndrome in a canine model: experimental evaluation of treatment. Ricci MA, et al. **J Invest Surg** 1990;3(2):129–40 (41 ref.)
Free tissue transfer of digital food pads for reconstruction of the distal limb in the dog. Basher AW, et al. **Microsurgery** 1991;12(2):118–24 (31 ref.)
Microsurgical free bone transfer in the dog. Fowler JD, et al. **Microsurgery** 1991;12(2):145–50 (27 ref.)
Experimental and clinical free cutaneous transfers in the dog. Miller CC, et al. **Microsurgery** 1991;12(2):113–7 (11 ref.)
Principles of bone grafting. Johnson AL. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):90–9 (33 ref.)
Nutritional support in the surgical patient. Remillard RL, et al. **Semin Vet Med Surg (Small Anim)** 1990 Aug; 5(3):197–207 (43 ref.)
The ovarian remnant syndrome in the bitch and queen. Wallace MS. **Vet Clin North Am Small Anim Pract** 1991 May;21(3):501–7 (21 ref.)

DOLICHOL

METABOLISM

Intracellular and extracellular flow of dolichol. Van Dessel G, et al. **Subcell Biochem** 1990;16:227–78 (239 ref.)

DOLPHINS

A review of the 1988 European seal morbillivirus epizootic. Kennedy S. **Vet Rec** 1990 Dec 8;127(23):563–7 (36 ref.)

DOMICILIARY CARE see **HOME CARE SERVICES**

DOMINANCE, CEREBRAL

see related
APHASIA

Language lateralization in bilinguals: enough already! Paradis M. **Brain Lang** 1990 Nov;39(4):576–86 (50 ref.)
Laterality and cerebral dominance. Annett M. **J Child Psychol Psychiatry** 1991 Jan;32(2):219–32 (90 ref.)
Individual analysis of laterality data. Brysbaert M, et al. **Neuropsychologia** 1990;28(9):901–16 (19 ref.)
[Tachistoscopy: an experimental method for studying cerebral hemispheric specialization] Belin C, et al. **J Fr Ophtalmol** 1990;13(5):293–7 (16 ref.) (Eng. Abstr.) **(Fre)**
[Tachistoscopic reading of arabic words] Belin C, et al. **J Fr Ophtalmol** 1990;13(5):299–301 (9 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Animal asymmetry and human heredity: dextrality, tool use and language in evolution—10 years after Walker (1980). Bradshaw JL. **Br J Psychol** 1991 Feb;82 (Pt 1):39–59 (1145 ref.)

PHYSIOLOGY

Facial recognition 1990. Benton A. **Cortex** 1990 Dec; 26(4):491–9 (35 ref.)
Associative agnosias and the functions of the left hemisphere. Goldberg E. **J Clin Exp Neuropsychol** 1990 Aug; 12(4):467–84 (90 ref.)
Unilateral neglect: mechanisms and nursing care. Kalbach LR. **J Neurosci Nurs** 1991 Apr;23(2):125–9 (18 ref.)
Schizophrenia, corpus callosum, and interhemispheric communication: a review. Coger RW, et al. **Psychiatry Res** 1990 Nov;34(2):163–84 (55 ref.)
A general theory concerning the prenatal origins of cerebral lateralization in humans. Previc FH. **Psychol Rev** 1991 Jul; 98(3):299–334 (590 ref.)
Temporal lobe asymmetries as the key to the etiology of schizophrenia. Crow TJ. **Schizophr Bull** 1990;16(3):433–43 (53 ref.)
Is there a right hemi-hyper-dopaminergic psychosis? Bracha HS. **Schizophr Res** 1989 Jul-Oct;2(4–5):317–24 (90 ref.)
[Theoretical aspects of handedness] Reiss M. **Z Arztl Fortbild (Jena)** 1991 Apr 25;85(8):379–83 (19 ref.) **(Ger)**
[Inter- and intrahemispheric dysfunction in schizophrenia] Ben-Artzi E, et al. **Harefuah** 1991 Jan 1;120(1):34–7 (22 ref.) **(Heb)**
[The role of cognitive factors in the emotional asymmetry of the human cerebral hemispheres] Kostandov EA. **Zh Vyssh Nerv Deiat** 1990 Jul-Aug;40(4):611–9 (41 ref.) **(Rus)**
[Interhemispheric differences in the spatial-frequency description of images and the consequences for visual recognition] Nevskaia AA, et al. **Zh Vyssh Nerv Deiat** 1990 Sep-Oct;40(5):915–24 (22 ref.) (Eng. Abstr.) **(Rus)**
[Cerebral laterality and interhemispheric connections: neurobiologic aspects] Aboitiz F. **Arch Biol Med Exp (Santiago)** 1989 Dec;22(4):341–54 (72 ref.) (Eng. Abstr.) **(Spa)**

DOMINANCE, SOCIAL see **SOCIAL DOMINANCE**

DOMPERIDONE

ADVERSE EFFECTS

Domperidone-induced acute dystonia and polycystic ovary syndrome. Bonuccelli U, et al. **Mov Disord** 1991;6(1):79–81 (29 ref.)

PHARMACOLOGY

Pharmacological profile of the dopamine agonist, RS-45946. Rosenkranz RP, et al. **Proc West Pharmacol Soc** 1990; 33:37–43 (7 ref.)

DONOVANOSIS see **GRANULOMA INGUINALE**

DOPA

ANALOGS & DERIVATIVES

Five years' experience with gamma-L-glutamyl-L-dopa: a relatively renally specific dopaminergic prodrug in man. Lee MR. **J Auton Pharmacol** 1990;10 Suppl 1:s103-8 (24 ref.)

6-Hydroxydopa: the redox cofactor in plasma amine oxidase. **Nutr Rev** 1991 Mar;49(3):92-5 (18 ref.)

ANALYSIS

Determination of L-3,4-dihydroxyphenylalanine in biological fluids and tissues. Dizdar N, et al. **J Chromatogr** 1991 Apr 19;565(1-2):1-26 (101 ref.)

CHEMISTRY

The phylogeny and chemical diversity of quinone-tanned glues and varnishes. Waite JH. **Comp Biochem Physiol [B]** 1990;97(1):19-29 (111 ref.)

METABOLISM

[Striatal 18F-dopa uptake measuring nigrostriatal function] Otsuka M, et al. **Nippon Rinsho** 1991 Jul;49(7):1532-6 (16 ref.) **(Jpn)**

L-DOPA see **LEVODOPA**

DOPAMINE

ADMINISTRATION & DOSAGE

[Hypertensive-hypervolemic therapy in cerebral vasospasm] Haberl RL, et al. **Nervenarzt** 1990 Dec;61(12):749-51 (15 ref.) **(Ger)**

ANALOGS & DERIVATIVES

Dopexamine: studies in the general intensive care unit and after liver transplantation. Burns A, et al. **J Auton Pharmacol** 1990;10 Suppl 1:s109-14 (37 ref.)

Dopexamine hydrochloride: pharmacology and use in low cardiac output states. Ghosh S, et al. **J Cardiothorac Vasc Anesth** 1991 Aug;5(4):382-9 (59 ref.)

Neuroblastoma: a neurochemical approach. Schor NF. **J Child Neurol** 1991 Jul;6(3):220-8 (32 ref.)

An historical perspective of dopamine and its analogs. Rosenkranz RP, et al. **Proc West Pharmacol Soc** 1990; 33:15-9 (14 ref.)

ANALYSIS

Dopamine concentration in the cytoplasmic compartment of single neurons determined by capillary electrophoresis. Olefirowicz TM, et al. **J Neurosci Methods** 1990 Sep; 34(1-3):11-5 (19 ref.)

ANTAGONISTS & INHIBITORS

Inhibitors of dopamine inactivating systems as antiparkinson drugs. Youdim MB. **Adv Neurol** 1990;53:483-8 (25 ref.)

Gastrointestinal receptors and drugs in motility disorders. Ruoff HJ, et al. **Digestion** 1991;48(1):1-17 (132 ref.)

BIOSYNTHESIS

Autoreceptor regulation of dopamine synthesis. Wolf ME, et al. **Ann N Y Acad Sci** 1990;604:323-43 (150 ref.)

Regulation of dopamine synthesis in the rat kidney. Soares-da-Silva P, et al. **J Auton Pharmacol** 1990;10 Suppl 1:s25-30 (22 ref.)

Retinal melatonin and dopamine in seasonal affective disorder. Oren DA. **J Neural Transm Gen Sect** 1991; 83(1-2):85-95 (69 ref.)

CHEMISTRY

Brain microdialysis studies on the control of dopamine release and metabolism in vivo. Arbuthnott GW, et al. **J Neurosci Methods** 1990 Sep;34(1-3):73-81 (19 ref.)

DEFICIENCY

A dopamine deficiency model of Lesch-Nyhan disease--the neonatal-6-OHDA-lesioned rat. Breese GR, et al. **Brain Res Bull** 1990 Sep;25(3):477-84 (57 ref.)

Evidence that lack of brain dopamine during development can increase the susceptibility for aggression and self-injurious behavior by influencing D1-dopamine receptor function. Breese GR, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990;14 Suppl:S65-80 (52 ref.)

HISTORY

An historical perspective of dopamine and its analogs. Rosenkranz RP, et al. **Proc West Pharmacol Soc** 1990; 33:15-9 (14 ref.)

METABOLISM

Role of catechol autooxidation in the degeneration of dopamine neurons. Fornstedt B. **Acta Neurol Scand Suppl** 1990;129:12-4 (5 ref.)

The antiparkinsonian activity of dopamine agonists and their interaction with central dopamine receptor subtypes. Goldstein M, et al. **Adv Neurol** 1990;53:101-6 (16 ref.)

Interactions of exogenous L-dopa with nigrostriatal dopaminergic neurons in Parkinson's disease. Melamed E. **Adv Neurol** 1990;53:61-6 (21 ref.)

Presynaptic regulation of dopamine release. Implications for the functional organization of the basal ganglia. Chesselet MF. **Ann N Y Acad Sci** 1990;604:17-22 (43 ref.)

Bioprecursor approach to drug targeting. Jung MJ. **Biochem Soc Trans** 1990 Oct;18(5):745-6 (5 ref.)

Control of dopamine extracellular concentration in rat striatum by impulse flow and uptake. Wightman RM, et al. **Brain Res Brain Res Rev** 1990 May-Aug;15(2):135-44 (29 ref.)

Retinal dopamine D1 and D2 receptors: characterization by binding or pharmacological studies and physiological functions. Schorderet M, et al. **Cell Mol Neurobiol** 1990 Sep;10(3):303-25 (134 ref.)

The potential use of a dopamine neuron antibody and a striatal-derived neurotrophic factor as diagnostic markers in Parkinson's disease. Carvey PM, et al. **Neurology** 1991 May;41(5 Suppl 2):53-8; discussion 59-60 (48 ref.)

The mesoneocortical dopamine neuron system. De Keyser J, et al. **Neurology** 1990 Nov;40(11):1660-2 (44 ref.)

Dopamine release and metabolism in the rat striatum: an analysis by 'in vivo' brain microdialysis. Arbuthnott GW, et al. **Pharmacol Ther** 1990;48(3):281-93 (86 ref.)

Status of the dopaminergic system in post-mortem brain in schizophrenia. Reynolds GP, et al. **Psychopharmacol Bull** 1988;24(3):345-7 (13 ref.)

Role of neostriatal and mesostriatal or mesolimbic dopaminergic fibres in Parkinson's disease with and without dementia: prospects, concepts and facts. Cools AR. **Yakubutsu Seishin Kodo** 1990 Mar;10(1):15-34 (117 ref.)

[Mesolimbocortical dopamine system] Toru M. **No To Shinkei** 1991 Apr;43(4):319-29 (60 ref.) **(Jpn)**

PHARMACOLOGY

Pharmacologic features and physiologic effects of dopamine. Hosgood G. **J Am Vet Med Assoc** 1990 Nov 1; 197(9):1209-11 (25 ref.)

PHYSIOLOGY

The tuberoinfundibular dopaminergic neurons of the brain: hormonal regulation. Porter JC, et al. **Adv Exp Med Biol** 1990;274:1-23 (33 ref.)

Effects of thyroid hormones on the hypothalamic dopaminergic neurons. Reymond MJ, et al. **Adv Exp Med Biol** 1990;274:257-70 (74 ref.)

Recent finding on dopaminergic transmission in the basal ganglia. Glowinski J. **Adv Neurol** 1990;53:67-73 (40 ref.)

The role of MAO in dopaminergic transmission. Riederer P, et al. **Adv Neurol** 1990;53:149-53 (35 ref.)

The dopamine theory of attention deficit hyperactivity disorder (ADHD). Levy F. **Aust N Z J Psychiatry** 1991 Jun;25(2):277-83 (52 ref.)

Cholinergic-dopaminergic interactions in cognitive performance. Levin ED, et al. **Behav Neural Biol** 1990 Nov; 54(3):271-99 (200 ref.)

Dopaminergic mechanisms in the locomotor stimulant effects of nicotine. Clarke PB. **Biochem Pharmacol** 1990 Oct 1; 40(7):1427-32 (49 ref.)

Mesolimbic dopamine activation--the key to nicotine reinforcement? Clarke PB. **Ciba Found Symp** 1990; 152:153-62; discussion 162-8 (30 ref.)

Postnatal control of ocular growth: dopaminergic mechanisms. Stone RA, et al. **Ciba Found Symp** 1990; 155:45-57; discussion 57-62 (23 ref.)

Tryptamine may couple dopaminergic and serotonergic transmission in the brain. Juorio AV, et al. **Gen Pharmacol** 1990;21(5):613-6 (49 ref.)

Dopamine and the kidney in heart failure. Casagrande C. **Herz** 1991 Apr;16(2):102-15 (96 ref.) **(Eng, Ger)**

Dopaminergic supersensitivity factors in Tourette's syndrome: a hypothesis. Sandyk R. **Int J Neurosci** 1989 Jan;44(1-2):169-74 (34 ref.)

A functional role for renal dopaminergic nerves in the dog. Bell C, et al. **J Auton Pharmacol** 1990;10 Suppl 1:s41-5 (22 ref.)

Physiological modulation of renal function by the renal dopaminergic system. Carey RM, et al. **J Auton Pharmacol** 1990;10 Suppl 1:s47-51 (12 ref.)

Role of dopaminergic mechanisms in the kidney for the pathogenesis of hypertension. Yoshimura M, et al. **J Auton Pharmacol** 1990;10 Suppl 1:s67-72 (19 ref.)

The interaction between mediobasohypothalamic dopaminergic and endorphinergic neuronal systems as a key regulator of reproduction: an hypothesis. Rasmussen DD. **J Endocrinol Invest** 1991 Apr;14(4):323-52 (324 ref.)

Mesocorticolimbic dopaminergic systems and emotional states. Bertolucci-D'Angio M, et al. **J Neurosci Methods** 1990 Sep;34(1-3):135-42 (32 ref.)

Dopamine in organophosphate-induced neurotoxicity. Ho IK, et al. **J Toxicol Sci** 1990 Dec;15 Suppl 4:159-61 (5 ref.)

Role of genotype in the adaptation of the brain dopamine system to stress. Puglisi-Allegra S, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):523-8 (42 ref.)

Dopaminergic control of neonatal salt and water metabolism. Sulyok E. **Pediatr Nephrol** 1988 Jan;2(1):163-5 (11 ref.)

GABAergic and dopaminergic transmission in the rat cerebral cortex: effect of stress, anxiolytic and anxiogenic drugs. Biggio G, et al. **Pharmacol Ther** 1990;48(2):121-42 (190 ref.)

Mesocorticolimbic dopaminergic network: functional and regulatory roles. Le Moal M, et al. **Physiol Rev** 1991 Jan; 71(1):155-234 (983 ref.)

A possible role of dopamine in salt balance. McClelland DL, et al. **Proc West Pharmacol Soc** 1990;33:29-30 (9 ref.)

Involvement of mesocorticolimbic dopaminergic systems in emotional states. Bertolucci-D'Angio M, et al. **Prog Brain Res** 1990;85:405-16; discussion 416-7 (35 ref.)

The determinants of stress-induced activation of the prefrontal cortical dopamine system. Deutch AY, et al. **Prog Brain Res** 1990;85:367-402; discussion 402-3 (234 ref.)

Age-dependent effects of lesioning the mesocortical dopamine system upon prefrontal cortex morphometry and PFC-related behaviors. Kalsbeek A, et al. **Prog Brain Res** 1990;85:257-82; discussion 282-3 (156 ref.)

On the interpretation of asymmetries of posture and locomotion produced with dopamine agonists in animals with unilateral depletion of striatal dopamine. Miller R, et al. **Prog Neurobiol** 1991;36(3):229-56 (187 ref.)

Monoamine systems in the cerebral cortex: evidence for anatomical specificity. Papadopoulos GC, et al. **Prog Neurobiol** 1991;36(3):195-200 (79 ref.)

A clinical perspective on microdialysis. Pickar D. **Prog Neuropsychopharmacol Biol Psychiatry** 1990;14 Suppl:S59-62 (14 ref.)

Characteristics of the adaptive aspects of the dopaminergic system. Davila R, et al. **Psychopharmacol Bull** 1988; 24(3):338-40 (9 ref.)

Adaptation of the dopaminergic system in the pathophysiology and treatment of schizophrenia. Introduction. Friedhoff AJ. **Psychopharmacol Bull** 1988; 24(3):335-7 (1 ref.)

Effects of mesocortical dopaminergic lesions upon subcortical dopaminergic function. Haroutunian V, et al. **Psychopharmacol Bull** 1988;24(3):341-4 (15 ref.)

Schizophrenia: a subcortical neurotransmitter imbalance syndrome? Carlsson M, et al. **Schizophr Bull** 1990; 16(3):425-32 (40 ref.)

Evidence for reduced and dysregulated turnover of dopamine in schizophrenia. Heritch AJ. **Schizophr Bull** 1990; 16(4):605-15 (65 ref.)

Is there a right hemi-hyper-dopaminergic psychosis? Bracha HS. **Schizophr Res** 1989 Jul-Oct;2(4-5):317-24 (90 ref.)

Dopamine and norepinephrine activity in schizophrenia. An integrative perspective. van Kammen DP, et al. **Schizophr Res** 1991 Mar-Apr;4(2):173-91 (110 ref.)

Adrenergic receptors and catecholamine effects on sodium transport in the mammalian nephron. Cohen HT, et al. **Semin Nephrol** 1991 Mar;11(2):110-9 (123 ref.)

Dopaminergic innervation of the cerebral cortex: unexpected differences between rodents and primates [published erratum appears in Trends Neurosci 1991 Mar;14(3):119] Berger B, et al. **Trends Neurosci** 1991 Jan;14(1):21-7 (52 ref.)

Cholecystokinin-dopamine interactions. Crawley JN. **Trends Pharmacol Sci** 1991 Jun;12(6):232-6 (43 ref.)

Neurotensin-dopamine interactions: relevance to schizophrenia and the action of antipsychotic drugs. Stowe ZN, et al. **Yakubutsu Seishin Kodo** 1991 Feb;11(1):49-59 (105 ref.)

[Transplantation of dopamine producing nerve cells: a new therapy in idiopathic Parkinson syndrome?] Kupsch A, et al. **Nervenarzt** 1991 Feb;62(2):80-91 (127 ref.) **(Ger)**

SECRETION

Transplantation of polymer encapsulated neurotransmitter secreting cells: effect of the encapsulation technique. Aebischer P, et al. **J Biomech Eng** 1991 May;113(2):178-83 (49 ref.)

Transplantation of embryonic dopamine neurons: what we know from rats [editorial] Dunnett SB. **J Neurol** 1991 Apr; 238(2):65-74 (102 ref.)

Phasic versus tonic dopamine release and the modulation of dopamine system responsivity: a hypothesis for the etiology of schizophrenia. Grace AA. **Neuroscience** 1991;41(1):1-24 (355 ref.)

THERAPEUTIC USE

Dobutamine vs dopamine: another look [comment] Dasta JF, et al. **Pharmacotherapy** 1990;10(6):417-8 (5 ref.) Comment on: Pharmacotherapy 1990;10(3):224-9.

DOPAMINE AGONISTS see **DOPAMINERGIC AGENTS**

DOPAMINE BETA-HYDROXYLASE

DEFICIENCY

Dopamine beta-hydroxylase deficiency. A genetic disorder of cardiovascular regulation. Robertson D, et al. **Hypertension** 1991 Jul;18(1):1-8 (48 ref.)

METABOLISM

Status of the cofactor identity in copper oxidative enzymes. Klinman JP, et al. **FEBS Lett** 1991 Apr 22;282(1):1-4 (36 ref.)

DOPAMINE RECEPTOR AGONISTS see **DOPAMINERGIC AGENTS**

DOPAMINE RECEPTORS see **RECEPTORS, DOPAMINE**

DOPAMINERGIC AGENTS

Pharmacological profile of ibopamine. A summary of experiments on anaesthesized dogs. Marchetti GV. **Cardiology** 1990;77 Suppl 5:22–9 (34 ref.)

Effect of ibopamine, a dopamine congener, on arrhythmias in heart failure. Storstein L. **Cardiology** 1990;77 Suppl 5:30–5 (31 ref.)

ADMINISTRATION & DOSAGE

The antiparkinsonian activity of dopamine agonists and their interaction with central dopamine receptor subtypes. Goldstein M, et al. **Adv Neurol** 1990;53:101–6 (16 ref.)

Early dopamine agonist treatment in Parkinson's disease. Rinne UK. **Adv Neurol** 1990;53:417–9 (6 ref.)

PHARMACOLOGY

Clinical pharmacology of ibopamine. Itoh H. **Am J Med** 1991 May 29;90(5B):36S–42S (12 ref.)

Bioprecursor approach to drug targeting. Jung MJ. **Biochem Soc Trans** 1990 Oct;18(5):745–6 (5 ref.)

The role of DA1- and DA2-receptors in the control of blood pressure. Hieble JP, et al. **Br J Clin Pharmacol** 1990;30 Suppl 1:61S–68S (37 ref.)

Review: alpha 2 and DA2 agonists as antiglaucoma agents: comparative pharmacology and clinical potential. Potter DE, et al. **J Ocul Pharmacol** 1990 Fall;6(3):251–7 (21 ref.)

Dopamine receptor agonists and antagonists. Kohli JD. **Proc West Pharmacol Soc** 1990;33:21–7 (32 ref.)

Pharmacological profile of the dopamine agonist, RS–45946. Rosenkranz RP, et al. **Proc West Pharmacol Soc** 1990; 33:37–43 (7 ref.)

On the interpretation of asymmetries of posture and locomotion produced with dopamine agonists in animals with unilateral depletion of striatal dopamine. Miller R, et al. **Prog Neurobiol** 1991;36(3):229–56 (187 ref.)

THERAPEUTIC USE

Medical management of chronic heart failure: inotropic, vasodilator, or inodilator drugs? Lang R. **Am Heart J** 1990 Dec;120(6 (Pt 2)):1558–64 (71 ref.)

Efficacy of ibopamine in the treatment of heart failure. Taylor SH, et al. **Am Heart J** 1990 Dec;120(6 (Pt 2)):1583–90 (42 ref.)

Cardiovascular pharmacology of adrenergic and dopaminergic receptors: therapeutic significance in congestive heart failure. Lokhandwala MF, et al. **Am J Med** 1991 May 29;90(5B):2S–9S (90 ref.)

Ibopamine in chronic congestive heart failure: hemodynamic and neurohumoral effects. López-Sendón J. **Am J Med** 1991 May 29;90(5B):43S–49S (50 ref.)

Ibopamine in the treatment of heart failure. Man in't Veld AJ. **Am J Med** 1991 May 29;90(5B):50S–54S (27 ref.)

Dopaminergic treatments for hyperprolactinaemia. Crosignani PG, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):441–55 (89 ref.)

New dopamine receptor agonists in heart failure and hypertension. Implications for future therapy. Horn PT, et al. **Drugs** 1990 Oct;40(4):487–92 (40 ref.)

Development of dopaminergic drugs for the chronic treatment of congestive heart failure. Casagrande C, et al. **J Auton Pharmacol** 1990;10 Suppl 1:s85–93 (46 ref.)

Do we need a dopaminergic agent in the management of the critically ill? Vincent JL. **J Auton Pharmacol** 1990;10 Suppl 1:s123–7 (29 ref.)

Dopaminergic agonists in the treatment of Parkinson's disease. Goetz CG. **Neurology** 1990 Oct;40(10 Suppl 3):suppl 50–4; discussion 54–7 (37 ref.)

Clinical use of dopamine receptor agonists. Murphy MB. **Proc West Pharmacol Soc** 1990;33:31–5 (37 ref.)

[Therapy of micro- and macroprolactinoma. Must dopamine agonists be given lifelong?] von Werder K. **Dtsch Med Wochenschr** 1991 Jan 4;116(1):25–7 (17 ref.) **(Ger)**

[Medical treatment of acromegaly with dopaminergic agents] Liuzzi A, et al. **Minerva Endocrinol** 1990 Jan–Mar; 15(1):23–7 (22 ref.) (Eng. Abstr.) **(Ita)**

DOPING IN SPORTS

Use and abuse of anabolic and other drugs for athletic enhancement. Catlin DH, et al. **Adv Intern Med** 1991; 36:399–424 (105 ref.)

Anabolic steroids in the athlete. Strauss RH, et al. **Annu Rev Med** 1991;42:449–57 (34 ref.)

Immunoaffinity chromatography, its applicability and limitations in multi-residue analysis of anabolizing and doping agents. van Ginkel LA. **J Chromatogr** 1991 Apr 5;564(2):363–84 (29 ref.)

Anabolic steroid use in adolescent athletes. Johnson MD. **Pediatr Clin North Am** 1990 Oct;37(5):1111–23 (51 ref.)

Steroids: breakfast of champions. Dyment PG. **Pediatr Rev** 1990 Oct;12(4):103–5 (7 ref.)

Growth promoters in humans. Burns HJ. **Proc Nutr Soc** 1990 Oct;49(3):467–72 (142 ref.)

The medical aspects of doping. Frenkl R, et al. **Ther Hung** 1991;39(1):3–10 (53 ref.)

[Anabolic steroids and their abuse in sports] Bruno M. **Clin Ter** 1990 Nov 15;135(3):159–72 (32 ref.) (Eng. Abstr.) **(Ita)**

[Evaluation of athletic potential. Drugs and athletics. Stress reduction in the practice of sports in children and adolescents] Cervera Luque JM. **An Esp Pediatr** 1990 Nov; 33 Suppl 43:116–9 (15 ref.) **(Spa)**

METHODS

The latest fads to increase muscle mass and energy. A look at what some athletes are using. Woolley BH. **Postgrad Med** 1991 Feb 1;89(2):195–8, 201–5 (27 ref.)

TRENDS

Performance-enhancing aids in sport: health consequences and nutritional alternatives. Kleiner SM. **J Am Coll Nutr** 1991 Apr;10(2):163–76 (107 ref.)

[Increased use of drugs in sports] Mann G, et al. **Harefuah** 1990 Aug;119(3–4):75–82 (66 ref.) **(Heb)**

DOPPLER ECHOCARDIOGRAPHY see **ECHOCARDIOGRAPHY, DOPPLER**

DOPPLER ULTRASOUND see **ULTRASONICS**

DOPPLER VELOCIMETERS see **FLOWMETERS**

DOPS see **3,4-DIHYDROXYPHENYLSERINE**

DORMICE see **RODENTIA**

DORSAL ROOT GANGLIA see **GANGLIA, SPINAL**

DOSAGE COMPENSATION (GENETICS)

Autosomal and X-chromosome imprinting. Cattanach BM, et al. **Dev Suppl** 1990;:63–72 (60 ref.)

Genomic imprinting and allelic exclusion. Holliday R. **Dev Suppl** 1990;:125–9 (31 ref.)

Genome imprinting and development in the mouse. Surani MA, et al. **Dev Suppl** 1990;:89–98 (59 ref.)

Insights into X chromosome inactivation from studies of species variation, DNA methylation and replication, and vice versa. Migeon BR. **Genet Res** 1990 Oct–Dec; 56(2–3):91–8 (75 ref.)

The search for the mouse X-chromosome inactivation centre. Rastan S, et al. **Genet Res** 1990 Oct–Dec;56(2–3):99–106 (51 ref.)

The quest for the X-inactivation centre. Lyon MF. **Trends Genet** 1991 Mar;7(3):69–70 (14 ref.)

DOSAGE FORMS

Rationale for targeted drug delivery. Taylor PW, et al. **Biotherapy** 1991;3(1):1–8 (55 ref.)

Novel drug delivery systems. An overview of their impact on clinical pharmacokinetic studies. Banerjee PS, et al. **Clin Pharmacokinet** 1991 Jan;20(1):1–14 (105 ref.)

Gamma scintigraphy and neutron activation techniques in the in vivo assessment of orally administered dosage forms. Digenis GA, et al. **Crit Rev Ther Drug Carrier Syst** 1991; 7(4):309–45 (59 ref.)

French and/or European perspectives on biopharmaceutical characterization of drug dosage forms. Aiache JM. **J Pharm Biomed Anal** 1990;8(6):499–506 (10 ref.)

New methods of drug delivery. Langer R. **Science** 1990 Sep 28;249(4976):1527–33 (50 ref.)

[Research on the improvement of dosage forms of prescriptions in Chinese traditional medicine] Yu G. **Chung Kuo Chung Yao Tsa Chih** 1991 Mar;16(3):182–6 (30 ref.) **(Chi)**

[Pharmaceutical dosage forms: yesterday—today—tomorrow. Perspectives for the year 2000] Graf E, et al. **Pharm Unserer Zeit** 1991 Mar; 20(2):64–74 (103 ref.) **(Ger)**

STANDARDS

The development of USP dissolution and drug release standards. Cohen JL, et al. **Pharm Res** 1990 Oct;7(10):983–7 (15 ref.)

DOSE-RESPONSE RELATIONSHIP, DRUG

The dose-response effect: a critical analysis. Amadori S. **Bone Marrow Transplant** 1991;7 Suppl 2:154–6 (12 ref.)

Stagewise, adaptive dose allocation for quantal response dose-response studies. Feder PI, et al. **Neurosci Biobehav Rev** 1991 Spring;15(1):109–14 (4 ref.)

DOSE-RESPONSE RELATIONSHIP, RADIATION

Biological low-dose radiation effects. Oftedal P. **Mutat Res** 1991 Sep;258(2):191–205 (71 ref.)

Estimation of repair parameters in mouse lip mucosa during continuous and fractionated low dose-rate irradiation. Stüben G, et al. **Radiother Oncol** 1991 Jan;20(1):38–45 (26 ref.)

DOSIMETRY CALCULATIONS, COMPUTER-ASSISTED see **RADIOTHERAPY PLANNING, COMPUTER-ASSISTED**

DOT IMMUNOBLOTTING see **IMMUNOBLOTTING**

DOUBLE OUTLET RIGHT VENTRICLE

PATHOLOGY

[A rare adult case of double-outlet right ventricle without pulmonary stenosis: an autopsy case] Okabe M, et al. **Kokyu To Junkan** 1990 Dec;38(12):1253–8 (20 ref.) (Eng. Abstr.) **(Jpn)**

ULTRASONOGRAPHY

Two-dimensional echocardiographic features of double outlet left ventricle. Bengur AR, et al. **J Am Soc Echocardiogr** 1990 Jul–Aug;3(4):320–5 (24 ref.)

DOUBLE-STRANDED RNA see **RNA, DOUBLE-STRANDED**

DOUCHING see **IRRIGATION**

DOWN'S SYNDROME

Trisomy 21: conference report and 1990 update. Serra A, et al. **Am J Med Genet Suppl** 1990;7:11–9 (119 ref.)

Down syndrome—an update and review for the primary pediatrician. Cooley WC, et al. **Clin Pediatr (Phila)** 1991 Apr;30(4):233–53 (84 ref.)

[A young child with trisomy 21. Medical aspects: myths and reality] Maurel Ollivier A. **Ann Pediatr (Paris)** 1990 Oct; 37(8):515–7, 528 (71 ref.) (Eng. Abstr.) **(Fre)**

[Alzheimer's disease and Down's syndrome: a review] Vicari S, et al. **Riv Neurol** 1990 Jul–Aug;60(4):151–9 (84 ref.) (Eng. Abstr.) **(Ita)**

BLOOD

Biochemical screening. Cuckle HS, et al. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):246–52 (23 ref.)

COMPLICATIONS

Growth retardation in Down syndrome in relation to insulin-like growth factors and growth hormone. Annerén G, et al. **Am J Med Genet Suppl** 1990;7:59–62 (30 ref.)

Clinical aspects of Down syndrome from infancy to adulthood. Pueschel SM. **Am J Med Genet Suppl** 1990; 7:52–6 (25 ref.)

Biomechanical management of children and adolescents with Down syndrome. Caselli MA, et al. **J Am Podiatr Med Assoc** 1991 Mar;81(3):119–27 (34 ref.)

Megakaryoblastic leukemia and Down's syndrome: a review. Zipursky A, et al. **Pediatr Hematol Oncol** 1987;4(3):211–30 (53 ref.)

Arthropathy of Down syndrome. Olson JC, et al. **Pediatrics** 1990 Dec;86(6):931–6 (31 ref.)

[Hepatitis B at an open institution for the mentally retarded. Immunogenic effect of a recombinant anti-hepatitis-B vaccine] García O, et al. **Enferm Infecc Microbiol Clin** 1990 Mar;8(3):148–52 (39 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Prenatal screening for open neural tube defects, Down's syndrome, and other major fetal disorders. Haddow JE. **Semin Perinatol** 1990 Dec;14(6):488–503 (59 ref.)

[Prenatal diagnosis of trisomy 21] Massé J, et al. **Ann Biol Clin (Paris)** 1990;48(8):536–40 (72 ref.) (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

Biochemistry and endocrinology of the Down's syndrome pregnancy. Chard T. **Ann N Y Acad Sci** 1991;626:580–96 (89 ref.)

EPIDEMIOLOGY

The epidemiology of Down's syndrome. Bell JA. **Med J Aust** 1991 Jul 15;155(2):115–7 (47 ref.)

ETIOLOGY

Pathogenesis of mental deficiency in trisomy 21. Lejeune J. **Am J Med Genet Suppl** 1990;7:20–30 (142 ref.)

Reflections on the pathogenesis of Down syndrome. Opitz JM, et al. **Am J Med Genet Suppl** 1990;7:38–51 (120 ref.)

On the etiopathogenesis and therapy of Down syndrome. Antila E, et al. **Int J Dev Biol** 1989 Mar;33(1):183–8 (37 ref.)

GENETICS

Review and hypothesis: Alzheimer disease and Down syndrome—chromosome 21 nondisjunction may underlie both disorders. Potter H. **Am J Hum Genet** 1991 Jun; 48(6):1192–200 (81 ref.)

The consequences of chromosome imbalance. Epstein CJ. **Am J Med Genet Suppl** 1990;7:31–7 (38 ref.)

ETS family of genes in leukemia and Down syndrome. Papas TS, et al. **Am J Med Genet Suppl** 1990;7:251–61 (51 ref.)

S100 protein and Down syndrome. Marks A, et al. **Bioessays** 1990 Aug;12(8):381–3 (45 ref.)
Models for Down syndrome: chromosome 21–specific genes in mice. Epstein CJ, et al. **Prog Clin Biol Res** 1990; 360:215–32 (48 ref.)
Molecular approaches to trisomy 21. Jankowski S, et al. **Prog Clin Biol Res** 1990;360:79–88 (24 ref.)
Molecular mapping of the Down syndrome phenotype. Korenberg JR. **Prog Clin Biol Res** 1990;360:105–15 (18 ref.)
Down syndrome and the trisomy 16 mouse: impact of gene imbalance on brain development and aging. Coyle JT, et al. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:85–99 (73 ref.)
[Cytogenetic study of the parents of 85 index cases with regular trisomy 21] Armendares S, et al. **Rev Invest Clin** 1990 Jul–Sep;42(3):180–8 (34 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Immunology of Down syndrome: a review. Ugazio AG, et al. **Am J Med Genet Suppl** 1990;7:204–12 (104 ref.)
Clinical value of IgG subclass investigations in pediatric practice. Thong YH. **Pediatr Infect Dis J** 1990 Aug;9(8 Suppl):S36–40 (69 ref.)

PATHOLOGY

Neuropathology of Down syndrome and Alzheimer disease. Cork LC. **Am J Med Genet Suppl** 1990;7:282–6 (72 ref.)
Involvement of free radicals in dementia of the Alzheimer type: a hypothesis. Volicer L, et al. **Neurobiol Aging** 1990 Sep–Oct;11(5):567–71 (66 ref.)

PHYSIOPATHOLOGY

Aging, longevity, and cancer: studies in Down's syndrome and centenarians. Franceschi C, et al. **Ann N Y Acad Sci** 1991;621:428–40 (48 ref.)

PSYCHOLOGY

[The experiences of a child with trisomy 21 after attending the Center for Early Medico–social Intervention during the 1st years of life] Raynaud D. **Ann Pediatr (Paris)** 1990 Oct;37(8):518–21, 528 (71 ref.) (Eng. Abstr.) **(Fre)**
[Listening to children with trisomy 21 and their parents. Psychological aspects] Sausse S. **Ann Pediatr (Paris)** 1990 Oct;37(8):522–6, 528 (71 ref.) (Eng. Abstr.) **(Fre)**

ULTRASONOGRAPHY

Ultrasonographic screening for the Down syndrome fetus. Lockwood CJ, et al. **Am J Obstet Gynecol** 1991 Aug; 165(2):349–52 (20 ref.)

DOXORUBICIN

ADMINISTRATION & DOSAGE

Preoperative intra–arterial chemotherapy. Huth JF, et al. **Cancer Treat Res** 1989;44:103–10 (33 ref.)

ADVERSE EFFECTS

A new insight into adriamycin–induced cardiotoxicity. Fu LX, et al. **Int J Cardiol** 1990 Oct;29(1):15–20 (44 ref.)
Antimyosin cardiac imaging: will it play a role in the detection of doxorubicin cardiotoxicity? [editorial; comment] Jain D, et al. **J Nucl Med** 1990 Dec; 31(12):1970–4 (26 ref.) Comment on: J Nucl Med 1990 Dec;31(12):1965–9.

ANALOGS & DERIVATIVES

Novel anthracycline analogs. Grandi M, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):133–8 (18 ref.)
[Iodo–doxorubicin, a new anthracycline derivative. Current state of progress] Mross KB, et al. **Onkologie** 1990 Oct; 13(5):346–51 (35 ref.) (Eng. Abstr.) **(Ger)**

PHARMACOKINETICS

The role of detoxifying systems in resistance of tumor cells to cisplatin and adriamycin. Meijer C, et al. **Cancer Treat Rev** 1990 Dec;17(4):389–407 (120 ref.)

PHARMACOLOGY

The molecular pharmacology of doxorubicin in vivo. Cummings J, et al. **Eur J Cancer** 1991;27(5):532–5 (30 ref.)
Cell surface actions of adriamycin. Tritton TR. **Pharmacol Ther** 1991;49(3):293–309 (162 ref.)

THERAPEUTIC USE

Chemotherapy for metastatic soft tissue sarcomas—another full circle? [editorial] Bramwell VH. **Br J Cancer** 1991 Jul; 64(1):7–9 (42 ref.)

TOXICITY

Doxorubicin cardiotoxicity: analysis of prevailing hypotheses. Olson RD, et al. **FASEB J** 1990 Oct; 4(13):3076–86 (50 ref.)

DOXYCYCLINE

ADVERSE EFFECTS

Medication–induced esophagitis in children. Kato S, et al. **Gastroenterol Jpn** 1990 Aug;25(4):485–8 (18 ref.)

THERAPEUTIC USE

Use of anti–collagenase properties of doxycycline in treatment of alpha 1–antitrypsin deficiency panniculitis. Humbert P, et al. **Acta Derm Venereol (Stockh)** 1991; 71(3):189–94 (31 ref.)
Antibiotic treatment of rickettsiosis, recent advances and current concepts. Raoult D. **Eur J Epidemiol** 1991 May; 7(3):276–81 (48 ref.)

DPN see **NAD**

DPT VACCINE see **DIPHTHERIA–TETANUS–PERTUSSIS VACCINE**

DRACUNCULOSIS

EPIDEMIOLOGY

[Dracunculosis—a retreating scourge] Seim AR. **Tidsskr Nor Laegeforen** 1991 Jun 10;111(15):1857–60 (13 ref.) (Eng. Abstr.) **(Nor)**

DRAINAGE

[A case of accessory cardiac bronchus with acute empyema treated by open drainage] Suzuki M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1991 May; 29(5):600–5 (20 ref.) (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

Endoscopically inserted biliary endoprosthesis in malignant obstructive jaundice. A survey of the literature. Naggar E, et al. **Liver** 1990 Dec;10(6):321–4 (19 ref.)

METHODS

Percutaneous abscess and fluid drainage: a critical review. Lambiase RE. **Cardiovasc Intervent Radiol** 1991 May–Jun; 14(3):143–57 (166 ref.)
Percutaneous management of pyogenic hepatic abscesses. Andersson R, et al. **HPB Surg** 1990 Jul;2(3):185–8 (10 ref.)
Pancreatic pseudocyst: successful treatment by percutaneous external catheter drainage. Korman SH, et al. **J Pediatr Gastroenterol Nutr** 1991 Apr;12(3):372–5 (21 ref.)
Surgical drainage of the antrum. Litton WB. **Otolaryngol Clin North Am** 1971 Feb;4(1):57–68 (0 ref.)
Percutaneous biliary drainage for high obstruction. Barth KH. **Radiol Clin North Am** 1990 Nov;28(6):1223–35 (43 ref.)
[Diagnosis and percutaneous treatment of pulmonary hydatid cyst. State of the problem apropos of a case] Goffette P, et al. **J Belge Radiol** 1990 Aug;73(4):259–63 (17 ref.) (Eng. Abstr.) **(Fre)**
[Thoracic drainage in mechanically ventilated patients—indications, placement technique, complications] Konrad F. **Klin Anasthesiol Intensivther** 1991;39:326–32; discussion 333–9 (7 ref.) **(Ger)**

DRAINAGE, SUCTION see **SUCTION**

DRAMA

"Scoot down to the edge of the table, hon": women's medical experiences portrayed in literature. Wear D, et al. **Pharos** 1991 Winter;54(1):7–11 (18 ref.)

DREAMS

Dreaming: the impact of life stress events. Miller TW, et al. **Psychiatr Dev** 1989 Winter;7(4):367–73 (19 ref.)
[Nightmares of children—causes, prevention, healing] Strunz F. **Fortschr Neurol Psychiatr** 1991 Apr;59(4):117–33 (187 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Psychophysiological aspects of nightmares, night terrors, and sleepwalking. Murray JB. **J Gen Psychol** 1991 Apr; 118(2):113–27 (90 ref.)
Pavlovian theory of dreaming. Cautela JR, et al. **Pavlov J Biol Sci** 1974 Apr–Jun;9(2):104–21 (75 ref.)
Dreaming: cognitive processes during cortical activation and high afferent thresholds. Antrobus J. **Psychol Rev** 1991 Jan; 98(1):96–121 (95 ref.)

DRESSINGS see **BANDAGES**

DRESSINGS, BIOLOGICAL see **BIOLOGICAL DRESSINGS**

DRESSINGS, OCCLUSIVE see **OCCLUSIVE DRESSINGS**

DRILL see **PAPIO**

DRINKING

Mineral and water nutrition. Beede DK. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):373–90 (60 ref.)
Feeding and drinking behavior problems. Houpt KA. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):281–98 (65 ref.)

PHYSIOLOGY

A rational approach to disorders of water balance in psychiatric patients. Goldman MB. **Hosp Community Psychiatry** 1991 May;42(5):488–94 (35 ref.)
Fluid and electrolyte loss and replacement in exercise. Maughan RJ. **J Sports Sci** 1991 Summer;9 Spec No:117–42 (113 ref.)
A review of disorders of water homeostasis in psychiatric patients. Riggs AT, et al. **Psychosomatics** 1991 Spring; 32(2):133–48 (129 ref.)

DRINKING, ALCOHOL see **ALCOHOL DRINKING**

DRIP INFUSIONS see **INFUSIONS, INTRAVENOUS**

DRIVE

Behavioural (non–chemical) addictions [editorial] [see comments] Marks I. **Br J Addict** 1990 Nov;85(11):1389–94 (15 ref.) Comment in: Br J Addict 1990 Nov;85(11):1417–9; discussion 1429–31. Comment in: Br J Addict 1990 Nov;85(11):1421–3; discussion 1429–31. Comment in: Br J Addict 1990 Nov;85(11):1425–7; discussion 1429–31.

DROOLING see **SIALORRHEA**

DROPSY see **EDEMA**

DROSOPHILA

EMBRYOLOGY

Actin in the Drosophila embryo: is there a relationship to developmental cue localization? Bearer EL. **Bioessays** 1991 Apr;13(4):199–204 (62 ref.)
Early Drosophila development. Kennison JA, et al. **Curr Opin Cell Biol** 1990 Dec;2(6):991–5 (22 ref.)
Pattern formation in the embryo and imaginal discs of Drosophila: what are the links? Wilkins AS, et al. **Dev Biol** 1991 May;145(1):1–12 (102 ref.)
Mechanisms of positional signalling in the developing eye of Drosophila studied by ectopic expression of sevenless and rough. Hafen E, et al. **J Cell Sci Suppl** 1990;13:157–68 (38 ref.)
The origins of cell diversity in the insect central nervous system. Doe CQ, et al. **Semin Cell Biol** 1990 Jun;1(3):211–8 (3 ref.)
Early neurogenesis. Hartley DA. **Semin Cell Biol** 1990 Jun; 1(3):185–96 (98 ref.)
The blastoderm prepattern. Howard K. **Semin Cell Biol** 1990 Jun;1(3):161–72 (98 ref.)
The organization of the antero–posterior axis. Klingler M. **Semin Cell Biol** 1990 Jun;1(3):151–60 (48 ref.)
Dorsal ventral polarity and pattern formation in the Drosophila embryo. Rushlow C, et al. **Semin Cell Biol** 1990 Jun;1(3):137–49 (51 ref.)
The molecular basis of pattern formation in the developing compound eye of Drosophila. Tomlinson A. **Semin Cell Biol** 1990 Jun;1(3):229–39 (25 ref.)
Pattern formation in imaginal discs. Whittle JR. **Semin Cell Biol** 1990 Jun;1(3):241–52 (60 ref.)
Mitosis in the Drosophila embryo—in and out of control. Glover DM. **Trends Genet** 1991 Apr;7(4):125–32 (38 ref.)
Dorsoventral pattern formation in Drosophila: signal transduction and nuclear targeting. Govind S, et al. **Trends Genet** 1991 Apr;7(4):119–25 (37 ref.)

GENETICS

Molecular mechanisms regulating Drosophila P element transposition. Rio DC. **Annu Rev Genet** 1990;24:543–78 (91 ref.)
Evolutionary innovation in behavior and speciation: opportunities for behavioral neuroethology. Hoy RR. **Brain Behav Evol** 1990;36(2–3):141–53 (55 ref.)
What determines the specificity of action of Drosophila homeodomain proteins? [published erratum appears in Cell 1991 Mar 8;64(5):following 1046] Hayashi S, et al. **Cell** 1990 Nov 30;63(5):883–94 (102 ref.)
Trans–sensing effects from Drosophila to humans. Tartof KD, et al. **Cell** 1991 Apr 19;65(2):201–3 (23 ref.)
Heterochromatin: junk or collectors item? Pardue ML, et al. **Chromosoma** 1990 Dec;100(1):3–7 (21 ref.)
Drosophila src family proteins. Wadsworth SC. **Comp Biochem Physiol [B]** 1990;97(3):403–6 (12 ref.)
The genetic control of cell proliferation in Drosophila imaginal discs. Bryant PJ, et al. **J Cell Sci Suppl** 1990; 13:169–89 (87 ref.)
Genes expressed in the adult brain of Drosophila and effects of their mutations on behavior: a survey of transmitter– and second messenger–related genes. Buchner E. **J Neurogenet** 1991;7(4):153–92 (307 ref.)
Notch and the molecular genetics of neuroblast segregation

in Drosophila. Artavanis-Tsakonas S, et al. **Mol Reprod Dev** 1990 Sep;27(1):23-7 (0 ref.)
Molecular and genetic intimations of the function of Delta, and EGF-like gene required for ectodermal differentiation in Drosophila. Kopczynski CC, et al. **Mol Reprod Dev** 1990 Sep;27(1):28-36 (0 ref.)
The Notch gene, adhesion, and developmental fate in the Drosophila embryo. Greenspan RJ. **New Biol** 1990 Jul; 2(7):595-600 (43 ref.)
Voltage-dependent potassium channels: minK and Shaker families. Kaczmarek LK. **New Biol** 1991 Apr;3(4):315-23 (85 ref.)
Molecular and cellular interactions responsible for intrasegmental patterning during Drosophila embryogenesis. DiNardo S, et al. **Semin Cell Biol** 1990 Jun; 1(3):173-83 (68 ref.)
Genes involved in the development of the peripheral nervous system of Drosophila. Giangrande A, et al. **Semin Cell Biol** 1990 Jun;1(3):197-209 (80 ref.)
Homoeotic genes. Morata G, et al. **Semin Cell Biol** 1990 Jun; 1(3):219-27 (52 ref.)
What do the regulators regulate? First glimpse downstream. Budd PS, et al. **Trends Genet** 1991 Mar;7(3):74-6 (13 ref.)
Interactions of retrotransposons with the host genome: the case of the gypsy element of Drosophila. Corces VG, et al. **Trends Genet** 1991 Mar;7(3):86-90 (29 ref.)
The structure of the homeodomain and its functional implications. Gehring WJ, et al. **Trends Genet** 1990 Oct; 6(10):323-9 (33 ref.)
Position-effect variegation after 60 years. Henikoff S. **Trends Genet** 1990 Dec;6(12):422-6 (35 ref.)
Making stripes in the Drosophila embryo. Pankratz MJ, et al. **Trends Genet** 1990 Sep;6(9):287-92 (34 ref.)
Imprinting a determined state into the chromatin of Drosophila. Paro R. **Trends Genet** 1990 Dec;6(12):416-21 (41 ref.)
Receptor tyrosine kinases: genetic evidence for their role in Drosophila and mouse development. Pawson T, et al. **Trends Genet** 1990 Nov;6(11):350-6 (39 ref.)
Serine/threonine protein kinases in Drosophila. Siegfried E, et al. **Trends Genet** 1990 Nov;6(11):357-62 (44 ref.)
Notch and the choice of cell fate in Drosophila neuroepithelium. Simpson P. **Trends Genet** 1990 Nov; 6(11):343-5 (19 ref.)
Cytokinesis genetics takes wing. Warn RM. **Trends Genet** 1990 Oct;6(10):309-10 (14 ref.)
Genes required for specifying cell fates in Drosophila embryonic sensory nervous system. Jan YN, et al. **Trends Neurosci** 1990 Dec;13(12):493-8 (69 ref.)
[Oncogene research using Drosophila as a model system] Nishida Y. **Idengaku Zasshi** 1990 Jun;65(3):121-34 (4 ref.) **(Jpn)**

GROWTH & DEVELOPMENT

Effects of heat and chemical stress on development. Petersen NS. **Adv Genet** 1990;28:275-96 (110 ref.)
Metamorphosis of the central nervous system of Drosophila. Truman JW. **J Neurobiol** 1990 Oct;21(7):1072-84 (38 ref.)
Receptor tyrosine kinases mediate cell-cell interactions during Drosophila development. Basler K, et al. **Prog Growth Factor Res** 1990;2(1):15-27 (34 ref.)

PHYSIOLOGY

Comparative developmental physiology and molecular cytology of the polytrophic ovarian follicles of the blowfly Sarcophaga bullata and the fruitfly Drosophila melanogaster. De Loof A, et al. **Comp Biochem Physiol [A]** 1990;96(2):309-21 (91 ref.)
Spermatogenesis of Drosophila hydei. Hennig W, et al. **Int Rev Cytol** 1990;123:129-75 (88 ref.)
Physiology of mutations affecting learning and memory in Drosophila--the missing link between gene product and behavior [news] Tully T. **Trends Neurosci** 1991 May; 14(5):163-4 (19 ref.)

ULTRASTRUCTURE

The Drosophila cytoskeleton. Fyrberg EA, et al. **Annu Rev Cell Biol** 1990;6:559-96 (205 ref.)

DROSOPHILA MELANOGASTER

[The genetic basis of suppression of tumors and metastases in Drosophila and man] Gateff E. **Zentralbl Chir** 1991; 116(7):423-31 (49 ref.) (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

The diversity and pattern of glia during axon pathway formation in the Drosophila embryo. Klämbt C, et al. **GLIA** 1991;4(2):205-13 (37 ref.)
The contents of proteins, carbohydrates, lipids and DNA during the embryogenesis of Drosophila. Medina M, et al. **Int J Dev Biol** 1989 Sep;33(3):403-5 (14 ref.)
The actin membrane skeleton in Drosophila development. Kiehart DP. **Semin Cell Biol** 1990 Oct;1(5):325-39 (120 ref.)

GENETICS

Transcriptional and translational regulation of the expression of the l(2)gl tumor suppressor gene of Drosophila melanogaster. Strand D, et al. **Adv Enzyme Regul** 1991; 31:339-50 (20 ref.)
Genetic analysis of oxygen defense mechanisms in Drosophila melanogaster. Phillips JP, et al. **Adv Genet** 1990;28:43-71 (125 ref.)
Analysis of G proteins in mammals and flies. Neer EJ. **Adv Second Messenger Phosphoprotein Res** 1990;24:58-62 (38 ref.)
Genetics of early neurogenesis in Drosophila melanogaster. Campos-Ortega JA, et al. **Annu Rev Genet** 1990;24:387-407 (82 ref.)
Gap genes and gradients--the logic behind the gaps. Hülskamp M, et al. **Bioessays** 1991 Jun;13(6):261-8 (50 ref.)
Drosophila chorion genes: cracking the eggshell's secrets. Orr-Weaver TL. **Bioessays** 1991 Mar;13(3):97-105 (42 ref.)
Puffs and gene regulation--molecular insights into the Drosophila ecdysone regulatory hierarchy. Thummel CS. **Bioessays** 1990 Dec;12(12):561-8 (46 ref.)
Cell type-specific enhancement in the Drosophila embryo by consensus homeodomain binding sites. White RJ. **Bioessays** 1990 Nov;12(11):537-9 (21 ref.)
Genetic analysis of the Drosophila PS integrins. Wilcox M. **Cell Differ Dev** 1990 Dec 2;32(3):391-9 (34 ref.)
Tumor-suppressor genes of Drosophila melanogaster. Gateff E, et al. **Crit Rev Oncog** 1989;1(2):221-45 (168 ref.)
Genetic and molecular analysis of six tumor suppressor genes in Drosophila melanogaster. Löffler T, et al. **Environ Health Perspect** 1990 Aug;88:157-61 (13 ref.)
Tumor suppression in Drosophila. Mechler BM, et al. **Immunol Ser** 1990;51:123-44 (74 ref.)
Genetic mechanisms of early neurogenesis in Drosophila melanogaster. Campos-Ortega JA. **Int Rev Cytol** 1991; 124:1-41 (152 ref.)
Protein engineering and the study of muscle contraction in Drosophila flight muscles. Sparrow J, et al. **J Cell Sci Suppl** 1991;14:73-8 (52 ref.)
Genetic and molecular analysis of maternal information in region 32 of Drosophila melanogaster. Malva C, et al. **Mol Reprod Dev** 1991 Mar;28(3):307-17 (72 ref.)
Mouse versions of fly developmental control genes: legitimate or illegitimate relatives? Lobe CG, et al. **New Biol** 1989 Oct;1(1):9-18 (65 ref.)
The Drosophila dunce locus: learning and memory genes in the fly. Davis RL, et al. **Trends Genet** 1991 Jul;7(7):224-9 (40 ref.)
Integrated maps of the Drosophila genome: progress and prospects. Kafatos FC, et al. **Trends Genet** 1991 May; 7(5):155-61 (14 ref.)
Germ-line sex determination in Drosophila melanogaster. Pauli D, et al. **Trends Genet** 1990 Aug;6(8):259-64 (42 ref.)
[Homeotic genes] Lepesant JA. **Reprod Nutr Dev** 1990;Suppl 1:9s-26s (73 ref.) (Eng. Abstr.) **(Fre)**
[Sex-determination in Drosophila melanogaster: mechanism of sex-specific splicing] Inoue K, et al. **Tanpakushitsu Kakusan Koso** 1991 Jun;36(8):1487-96 (25 ref.) **(Jpn)**

METABOLISM

[The system of procarcinogen activation in Drosophila] Fuks SIu, et al. **Vopr Onkol** 1990;36(8):911-7 (27 ref.) **(Rus)**

PHYSIOLOGY

Genetic and molecular bases of neurogenesis in Drosophila melanogaster. Campos-Ortega JA, et al. **Annu Rev Neurosci** 1991;14:399-420 (108 ref.)
Circadian oscillations in protein and mRNA levels of the period gene of Drosophila melanogaster. Zwiebel LJ, et al. **Biochem Soc Trans** 1991 Apr;19(2):533-7 (34 ref.)

DROUGHT see **NATURAL DISASTERS**

DROWNING

see related
RESUSCITATION

DROWSINESS see **SLEEP STAGES**

DRUG ABUSE see **SUBSTANCE ABUSE**

DRUG ABUSE, INTRAVENOUS see **SUBSTANCE ABUSE, INTRAVENOUS**

DRUG ABUSE, PARENTERAL see **SUBSTANCE ABUSE, INTRAVENOUS**

DRUG ABUSE, SPORTS see **DOPING IN SPORTS**

DRUG ABUSE TESTING see **SUBSTANCE ABUSE DETECTION**

DRUG ADDICTION see **SUBSTANCE DEPENDENCE**

DRUG ADMINISTRATION, BUCCAL see **ADMINISTRATION, BUCCAL**

DRUG ADMINISTRATION, DERMAL see **ADMINISTRATION, CUTANEOUS**

DRUG ADMINISTRATION, RECTAL see **ADMINISTRATION, RECTAL**

DRUG ADMINISTRATION ROUTES

see related
DOSAGE FORMS

DRUG ADMINISTRATION SCHEDULE

Potential innovations in scheduling of cancer chemotherapy. Norton L, et al. **Important Adv Oncol** 1991;:57-72 (83 ref.)
Impact of dosage schedule of antibiotics on the treatment of serious infections. Bakker-Woudenberg IA, et al. **Intensive Care Med** 1990;16 Suppl 3:S229-34 (39 ref.)

DRUG ADMINISTRATION, SUBLINGUAL see **ADMINISTRATION, SUBLINGUAL**

DRUG ADULTERATION see **DRUG CONTAMINATION**

DRUG AND NARCOTIC CONTROL

Is the therapeutic use of opioids adversely affected by prejudice and law? Zenz M, et al. **Recent Results Cancer Res** 1991;121:43-50 (17 ref.)

LEGISLATION & JURISPRUDENCE

Prosecution to enhance treatment. Goldsmith S. **Child Today** 1990 Jul-Aug;19(4):13-6, 36 (26 ref.)
The social epidemiology of international drug trafficking: comparison of source of supply and distribution networks. Montagne M. **Int J Addict** 1990 May;25(5):557-77 (90 ref.)

DRUG ANTAGONISM

see related
NARCOTIC ANTAGONISTS

DRUG BENEFIT PLANS see **INSURANCE, PHARMACEUTICAL SERVICES**

DRUG CARRIERS

Targetable polymeric anticancer drugs. Temporal control of drug activity. Kopeček J. **Ann N Y Acad Sci** 1991; 618:335-44 (38 ref.)
Real time response polymeric delivery systems. Langer R, et al. **Ann N Y Acad Sci** 1991;618:330-4 (25 ref.)
Bacterial pathogens--a route to oral drug delivery. Dougan G, et al. **Biochem Soc Trans** 1990 Oct;18(5):746-8 (15 ref.)
Drug targeting by endogenous transport vehicles. van Berkel TJ, et al. **Biochem Soc Trans** 1990 Oct;18(5):748-50 (11 ref.)
The future of liposomal drug delivery. Szoka FC Jr. **Biotechnol Appl Biochem** 1990 Oct;12(5):496-500 (19 ref.)
Delivery of recombinant peptide and protein drugs. Mackay M. **Biotechnol Genet Eng Rev** 1990;8:251-78 (176 ref.)
Liposomes in vivo: prospects for liposome-based pharmaceuticals in the 1990s. Senior JH. **Biotechnol Genet Eng Rev** 1990;8:279-317 (163 ref.)
Clinical experience of targeted therapy. Eichler HG. **Biotherapy** 1991;3(1):77-85 (71 ref.)
Chimeric antibody: potential applications for drug delivery and immunotherapy. Shin SU. **Biotherapy** 1991;3(1):43-53 (53 ref.)
Liposomes and biotherapeutics. Storm G, et al. **Biotherapy** 1991;3(1):25-42 (90 ref.)
Drug delivery systems for antitumor activation of macrophages. Tabata Y, et al. **Crit Rev Ther Drug Carrier Syst** 1990;7(2):121-48 (223 ref.)
Drug depots in lymph nodes: which carrier is most appropriate? Hirnle P. **J Microencapsul** 1991 Jan-Mar; 8(1):103-19 (23 ref.)
Device drug delivery to the eye. Collagen shields, iontophoresis, and pumps. Friedberg ML, et al. **Ophthalmology** 1991 May;98(5):725-32 (46 ref.)
[Value of the new drug carriers in ophthalmology: liposomes and nanoparticles] Marchal-Heussler L, et al. **J Fr Ophtalmol** 1990;13(11-12):575-82 (35 ref.) **(Fre)**

CHEMISTRY

LDL-mediated drug targeting. de Smidt PC, et al. **Crit Rev Ther Drug Carrier Syst** 1990;7(2):99-120 (58 ref.)
Physiopathological and physicochemical considerations in targeting of colloids and drug carriers to the bone marrow. Moghimi SM, et al. **Crit Rev Ther Drug Carrier Syst** 1990; 7(3):187-209 (128 ref.)
Microencapsulation using emulsification/solvent evaporation: an overview of techniques and applications. Watts PJ, et al. **Crit Rev Ther Drug Carrier Syst** 1990; 7(3):235-59 (84 ref.)

METABOLISM

Targeting of cytosolic proteins to lysosomes for degradation. Dice JF, et al. **Crit Rev Ther Drug Carrier Syst** 1990; 7(3):211-33 (82 ref.)
[Red blood cells as carrier systems for drugs] Hellwig U. **Pharmazie** 1990 Nov;45(11):824-6 (70 ref.) **(Ger)**

THERAPEUTIC USE

Liposomes and nanoparticles as vehicles for antibiotics. Kreuter J. **Infection** 1991;19 Suppl 4:S224-8 (40 ref.)

DRUG COMBINATIONS

[Biochemical aspects of the evaluation of fixed drug combinations] Roebruck P, et al. **Arzneimittelforschung** 1990 Jul;40(7):725–9 (10 ref.) (Eng. Abstr.) **(Ger)**

DRUG COMBINATIONS, ANTINEOPLASTIC see **ANTINEOPLASTIC AGENTS, COMBINED**

DRUG COMPOUNDING

Drug delivery systems 5A. Oral drug delivery. Ranade VV. **J Clin Pharmacol** 1991 Jan;31(1):2–16 (52 ref.)

METHODS

Microencapsulation of drugs by pan and air suspension techniques. Deasy PB. **Crit Rev Ther Drug Carrier Syst** 1991;8(1):39–89 (102 ref.)

Liposomes and nanoparticles as vehicles for antibiotics. Kreuter J. **Infection** 1991;19 Suppl 4:S224–8 (40 ref.)

DRUG CONTAMINATION

The contribution of impurities to the acute morbidity of illegal drug use. Shesser R, et al. **Am J Emerg Med** 1991 Jul;9(4):336–42 (130 ref.)

The aluminum content of parenteral solutions: current status. Klein GL. **Nutr Rev** 1991 Mar;49(3):74–9 (33 ref.)

DRUG DELIVERY SYSTEMS, IMPLANTABLE see **INFUSION PUMPS, IMPLANTABLE**

DRUG DEPENDENCE see **SUBSTANCE DEPENDENCE**

DRUG DESIGN

see related
DESIGNER DRUGS

The Scheele memorial lecture 1989. Drug metabolism in the design and safety evaluation of new drugs. Parke DV. **Acta Pharm Nord** 1990;2(4):231–48 (61 ref.)

Potential problems in designing elastase inhibitors for therapy. Travis J, et al. **Am Rev Respir Dis** 1991 Jun; 143(6):1412–5 (31 ref.)

Computer-assisted structure-activity correlations of dideoxynucleoside analogs as potential anti-HIV drugs. Nasr M, et al. **Antiviral Res** 1990 Sep;14(3):125–48 (88 ref.)

Chirality and its importance in drug development: what are the issues? Beckett AH. **Biochem Soc Trans** 1991 Apr; 19(2):443–6 (4 ref.)

Chirality and its importance in drug development. Campbell DB, et al. **Biochem Soc Trans** 1991 Apr;19(2):472–5 (23 ref.)

Potential therapeutic exploitation of the pulmonary polyamine uptake system. Cohen GM, et al. **Biochem Soc Trans** 1990 Oct;18(5):743–5 (28 ref.)

Chirality and its importance in drug development: an analytical chemist's perspective. Fell AF, et al. **Biochem Soc Trans** 1991 Apr;19(2):454–6 (19 ref.)

Bioprecursor approach to drug targeting. Jung MJ. **Biochem Soc Trans** 1990 Oct;18(5):745–6 (5 ref.)

Chirality and its importance in drug development: a synthetic chemist's perspective. Roberts SM. **Biochem Soc Trans** 1991 Apr;19(2):446–53 (26 ref.)

Drug targeting by endogenous transport vehicles. van Berkel TJ, et al. **Biochem Soc Trans** 1990 Oct;18(5):748–50 (11 ref.)

New targets for cancer chemotherapy--poly(ADP-ribosylation) processing and polyisoprene metabolism. Alderson T. **Biol Rev Camb Philos Soc** 1990 Nov;65(4):623–41 (91 ref.)

Immunotoxins: selection of cell-surface antigens and their corresponding monoclonal antibodies. Bjorn MJ, et al. **Cancer Treat Res** 1988;37:255–77 (131 ref.)

Hormone, lectin and toxin-toxin conjugates. Oeltmann TN, et al. **Cancer Treat Res** 1988;37:281–95 (51 ref.)

Genetic engineering of immunotoxins. Youle RJ, et al. **Cancer Treat Res** 1988;37:113–22 (48 ref.)

Toxin selection and modification--overview. Youle RJ. **Cancer Treat Res** 1988;37:93–6 (13 ref.)

Comparative modeling of proteins in the design of novel renin inhibitors. Hutchins C, et al. **Crit Rev Biochem Mol Biol** 1991;26(1):77–127 (115 ref.)

The challenge of drug discovery. Jack D. **Drug Des Deliv** 1989 May;4(3):167–86 (9 ref.)

New drug development. Kaye SB. **Eur J Cancer** 1991; 27(3):377–80 (30 ref.)

Screening of natural products for antimicrobial agents. Silver L, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul; 9(7):455–61 (27 ref.)

A general strategy for the de novo design of proteins--template assembled synthetic proteins. Altmann KH, et al. **Int J Biochem** 1990;22(9):947–56 (82 ref.)

Natural products as probes for new drug target identification. Evans FJ. **J Ethnopharmacol** 1991 Apr;32(1–3):91–101 (21 ref.)

Molecular simulation and drug design. Lybrand TP. **J Pharm Belg** 1991 Jan–Feb;46(1):49–54 (28 ref.)

Computer-assisted series design in chemical synthesis of bioactive compounds. Mager PP. **Med Res Rev** 1991 Jul; 11(4):375–402 (17 ref.)

The concept of molecular structure in structure-activity relationship studies and drug design. Testa B, et al. **Med Res Rev** 1991 Jan;11(1):35–48 (21 ref.)

Cocaine receptor--design of ligands. Carroll FI, et al. **NIDA Res Monogr** 1990;96:112–21 (15 ref.)

The bivalent ligand approach in the design of highly selective opioid receptor antagonists. Portoghese PS. **NIDA Res Monogr** 1990;96:3–20 (23 ref.)

Medicinal chemistry: a support or a driving force in drug research? deStevens G. **Prog Drug Res** 1990;34:343–58 (14 ref.)

Design of novel thrombolytic agents via domain modifications. Erickson LA, et al. **Toxicol Pathol** 1990;18(4 Pt 1):597–602 (52 ref.)

Future prospects for the chemotherapy of human trypanosomiasis. 1. Novel approaches to the chemotherapy of trypanosomiasis. Fairlamb AH. **Trans R Soc Trop Med Hyg** 1990 Sep–Oct;84(5):613–7 (53 ref.)

[The biochemical basis of pharmaceutical chemistry. 9. The effect of structure on biopharmaceutic/pharmacokinetic behavior] Nuhn P, et al. **Pharmazie** 1991 Jan;46(1):61–72 (44 ref.) **(Ger)**

[Allosteric receptor modulators--a new model for designing drugs] Komissarov IV. **Farmakol Toksikol** 1990 Sep–Oct; 53(5):3–7 (43 ref.) (Eng. Abstr.) **(Rus)**

DRUG DETOXICATION, METABOLIC see **METABOLIC DETOXICATION, DRUG**

DRUG ERUPTIONS see **DERMATITIS MEDICAMENTOSA**

DRUG EVALUATION

Basic requirements for the toxicity testing of antimicrobial agents. Bass R, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):488–91 (12 ref.)

Specificity of the phase I trial for cytotoxic drugs in oncology. Armand JP, et al. **Fundam Clin Pharmacol** 1990; 4 Suppl 2:197s–204s (9 ref.)

Which experimental design for phase I clinical trials? Proposal for an investigational approach. Durieu I, et al. **Fundam Clin Pharmacol** 1990;4 Suppl 2:77s–80s (9 ref.)

Phase I studies: what to measure? Rosenkranz B. **Fundam Clin Pharmacol** 1990;4 Suppl 2:59s–62s (0 ref.)

Predictive value of phase I studies: relevant criteria. Sassard J, et al. **Fundam Clin Pharmacol** 1990;4 Suppl 2:63s–68s (4 ref.)

Can therapeutic efficacy be predicted from phase I data? Thiercelin JF. **Fundam Clin Pharmacol** 1990;4 Suppl 2:69s–76s (0 ref.)

METHODS

Quantitative EEG in human neuropharmacology. Rationale, history, and recent developments. Sannita WG. **Acta Neurol (Napoli)** 1990 Oct;12(5):389–409 (113 ref.)

Pharmacodynamic modelling. Application to new drug development. Kroboth PD, et al. **Clin Pharmacokinet** 1991 Feb;20(2):91–8 (32 ref.)

Measurement of free drug in phase I: is it useful? Barré J, et al. **Fundam Clin Pharmacol** 1990;4 Suppl 2:141s–150s (21 ref.)

Are phase I studies without drug level determination acceptable? Morselli PL. **Fundam Clin Pharmacol** 1990;4 Suppl 2:125s–133s (13 ref.)

Do we need highly sensitive analytical techniques in phase I? Singlas E. **Fundam Clin Pharmacol** 1990;4 Suppl 2:135s–140s (14 ref.)

Ambulatory twenty-four-hour blood pressure measurements in pharmacological studies. Weisser B, et al. **J Hypertens Suppl** 1990 Dec;8(6):S87–92 (44 ref.)

The role of pharmacological profiling in safety assessment. Williams PD. **Regul Toxicol Pharmacol** 1990 Dec;12(3 Pt 1):238–52 (52 ref.)

[Determination of the anti-infective action of an immunomodulator. Biostim as an example] Ounis I. **Allerg Immunol (Paris)** 1991 Apr;23(4):145–52 (37 ref.) (Eng. Abstr.) **(Fre)**

STANDARDS

The implications for Europe of revised FDA guidelines for clinical trials with anti-infective agents. Gilbert DN, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):552–8 (21 ref.)

Good clinical practices in phase I studies. Decousus H, et al. **Fundam Clin Pharmacol** 1990;4 Suppl 2:163s–165s (0 ref.)

Drug approval and AIDS: benefits for the elderly. Rothman DJ, et al. **Health Aff (Millwood)** 1990 Fall;9(3):123–30 (9 ref.)

Improvement of phase III psychotropic drug trials by intensive phase II work. Klein DF. **Neuropsychopharmacology** 1991 Jun;4(4):251–8; discussion 259–71 (17 ref.)

DRUG EVALUATION, FDA PHASE I see **DRUG EVALUATION**

DRUG EVALUATION, FDA PHASE II see **DRUG EVALUATION**

DRUG EVALUATION, FDA PHASE III see **CLINICAL TRIALS**

DRUG EVALUATION, FDA PHASE IV see **CLINICAL TRIALS**

DRUG EVALUATION, PRECLINICAL see **DRUG SCREENING**

DRUG HABITUATION see **SUBSTANCE DEPENDENCE**

DRUG HYPERSENSITIVITY

Drug hypersensitivity in children. Lee BW. **Ann Acad Med Singapore** 1991 Jan;20(1):114–7 (23 ref.)

Drug-induced lung disease: 1990 review. Israel-Biet D, et al. **Eur Respir J** 1991 Apr;4(4):465–78 (201 ref.)

Drug-induced allergic hepatitis. Pohl LR. **Semin Liver Dis** 1990 Nov;10(4):305–15 (106 ref.)

[Thursdays of allergy. The drug allergy] Drouet M. **Allerg Immunol (Paris)** 1991 Jun;23(6):263–5 (265 ref.) **(Fre)**

[Penicillin allergy--is the risk over?] Reshef A, et al. **Harefuah** 1990 Oct;119(7–8):224–9 (49 ref.) **(Heb)**

COMPLICATIONS

[Errors in antibiotic therapy] Poliak MS. **Antibiot Khimioter** 1990 Aug;35(8):48–51 (22 ref.) **(Rus)**

DIAGNOSIS

Diagnosis of sulfite and aspirin sensitivity. Bush RK, et al. **Clin Rev Allergy** 1990 Summer–Fall;8(2–3):159–78 (42 ref.)

ETIOLOGY

Metabolism of drugs by activated leukocytes: implications for drug-induced lupus and other drug hypersensitivity reactions. Uetrecht J. **Adv Exp Med Biol** 1991;283:121–32 (42 ref.)

Tartrazine sensitivity. Dipalma JR. **Am Fam Physician** 1990 Nov;42(5):1347–50 (33 ref.)

Acute allergic interstitial pneumonitis induced by hydrochlorothiazide [published erratum appears in Can Med Assoc J 1991 Sep 1;145(5):391] Biron P, et al. **Can Med Assoc J** 1991 Jul 1;145(1):28–34 (29 ref.)

Drug allergy in cystic fibrosis. Moss RB. **Clin Rev Allergy** 1991 Spring–Summer;9(1–2):211–29 (51 ref.)

Risk assessment of antibiotic residues of beta-lactams and macrolides in food products with regard to their immuno-allergic potential. Dewdney JM, et al. **Food Chem Toxicol** 1991 Jul;29(7):477–83 (29 ref.)

Possible allergic reactions to cyclopentolate hydrochloride: case reports with literature review of uses and adverse reactions. Jones LW, et al. **Ophthalmic Physiol Opt** 1991 Jan;11(1):16–21 (47 ref.)

Allergic and immune reactions. Ellis C. **Practitioner** 1990 Dec;234(1497):1054, 1056, 1058 (4 ref.)

[Drug-induced disseminated lung diseases] Meier-Sydow J, et al. **Z Gesamte Inn Med** 1990 Oct 1;45(19):589–92 (13 ref.) (Eng. Abstr.) **(Ger)**

[Subcutaneous nodules and sensitivity to aluminum in patients undergoing hyposensitivity immunotherapy] García-Patos V, et al. **Med Cutan Ibero Lat Am** 1990;18(2):83–8 (27 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Current concepts in allergy: drug reactions. Evans R 3d, et al. **Curr Probl Pediatr** 1991 May–Jun;21(5):185–92 (17 ref.)

Effect of stress on drug hypersensitivity. Thomassen D. **Drug Saf** 1991 Jul–Aug;6(4):235–40 (48 ref.)

Drug allergenic determinants. Baldo BA, et al. **Monogr Allergy** 1990;28:11–51 (85 ref.)

[Hypersensitivity to hypoglycemic sulfonylurea compounds. Are there cross-reactions?] Chichmanian RM, et al. **Therapie** 1991 Mar–Apr;46(2):163–7 (31 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

[Drug allergies: current aspects] Wasserfallen JB, et al. **Rev Med Suisse Romande** 1991 Mar;111(3):205–9 (19 ref.) **(Fre)**

DRUG IMPLANTS

[Long acting hormonal contraception] Garza Flores J, et al. **Ginecol Obstet Mex** 1990 Apr–May;58 Suppl 1:1–8 (45 ref.) (Eng. Abstr.) **(Spa)**

DRUG INDUSTRY

Analytical challenges to the pharmaceutical industry in developing products of biotechnology. Dicken CM, et al. **J Pharm Biomed Anal** 1989;7(9):1071–6 (25 ref.)

ECONOMICS

Industry reimbursement for entering patients into clinical trials: legal and ethical issues. Shimm DS, et al. **Ann Intern Med** 1991 Jul 15;115(2):148–51 (27 ref.)

LEGISLATION & JURISPRUDENCE

New drug legislation: a response from the pharmaceutical industry. Freiman PE. **Health Aff (Millwood)** 1990 Fall; 9(3):110–3 (8 ref.)
Market share liability for pharmaceuticals. The distinction between DES and DPT. Fern FH, et al. **J Leg Med** 1990 Dec;11(4):391–426 (185 ref.)

METHODS

Fundamentals of a microbiological environmental monitoring program. Technical Report No. 13. PDA Environmental Task Force. **J Parenter Sci Technol** 1990;44 Suppl 1:S1–16 (33 ref.)

STANDARDS

Water treatment systems for pharmaceutical purposes [published erratum appears in Boll Chim Farm 1990 Dec;129(12):following 329] Pregnolato F. **Boll Chim Farm** 1990 Mar;129(3):122–39 (12 ref.)
[Quality assurance in clinical studies: a necessity] Boll M, et al. **Z Exp Chir Transplant Kunstliche Organe** 1990; 23(2):65–72 (7 ref.) (Eng. Abstr.) **(Ger)**

TRENDS

Managed care and a changing pharmaceutical industry. Pollard MR. **Health Aff (Millwood)** 1990 Fall;9(3):55–65 (16 ref.)

DRUG INFUSION SYSTEMS see **INFUSION PUMPS**

DRUG INSURANCE see **INSURANCE, PHARMACEUTICAL SERVICES**

DRUG INTERACTIONS

Alcohol and drug interactions. Mattila MJ. **Ann Med** 1990; 22(5):363–9 (46 ref.)
A three-dimensional model to analyze drug–drug interactions [published erratum appears in Antiviral Res 1991 Feb;15(2):following 168] Prichard MN, et al. **Antiviral Res** 1990 Oct–Nov;14(4–5):181–205 (63 ref.)
Iron supplements: a common cause of drug interactions. Campbell NR, et al. **Br J Clin Pharmacol** 1991 Mar; 31(3):251–5 (45 ref.)
Pharmacokinetic drug interactions with cyclosporin (Part I). Yee GC, et al. **Clin Pharmacokinet** 1990 Oct;19(4):319–32 (0 ref.)
Detecting drug interactions: a review of the literature. Jankel CA, et al. **DICP** 1990 Oct;24(10):982–9 (63 ref.)
Drug–mineral interactions: a new responsibility for the hospital dietitian. Murray JJ, et al. **J Am Diet Assoc** 1991 Jan;91(1):66–70, 73 (36 ref.)
The clinical importance of drug interactions with antiulcer therapy. Reynolds JC. **J Clin Gastroenterol** 1990;12 Suppl 2:S54–63 (69 ref.)
[Incidence and severity of drug interactions in the elderly: a prospective study of 639 patients] Manchon ND, et al. **Rev Med Interne** 1989 Nov–Dec;10(6):521–5 (15 ref.) (Eng. Abstr.) **(Fre)**
[Drugs interacting with anabolic steroids] Fiegel G. **Clin Ter** 1991 Mar 31;136(6):415–20 (80 ref.) (Eng. Abstr.) **(Ita)**
[Interactions between cytostatic agents and other drugs] Henriksson R, et al. **Nord Med** 1990;105(12):335–7 (1 ref.) (Eng. Abstr.) **(Swe)**

PHYSIOLOGY

[Drug interactions with quinolones. Modification of hepatic monooxygenases as the cause] Schulz–Schalge T, et al. **Med Monatsschr Pharm** 1990 Dec;13(12):372–81 (32 ref.) **(Ger)**

DRUG KINETICS see **PHARMACOKINETICS**

DRUG LAWS see **LEGISLATION, DRUG**

DRUG MODELING see **DRUG DESIGN**

DRUG PRECURSORS see **PRODRUGS**

DRUG RECALL see **LEGISLATION, DRUG**

DRUG RECEPTORS see **RECEPTORS, DRUG**

DRUG REGULATIONS see **LEGISLATION, DRUG**

DRUG RESIDUES

Overview on bound residue issue—regulatory aspects. Guest GB, et al. **Drug Metab Rev** 1990;22(6–8):595–9 (2 ref.)
Biological evaluation of aflatoxins and metabolites in animal tissues. Park DL, et al. **Drug Metab Rev** 1990; 22(6–8):871–90 (67 ref.)

ADVERSE EFFECTS

Chloramphenicol 1. Hazards of use and the current regulatory environment. Page SW. **Aust Vet J** 1991 Jan; 68(1):1–2 (29 ref.)
Risk assessment of antibiotic residues of beta-lactams and macrolides in food products with regard to their immuno-allergic potential. Dewdney JM, et al. **Food Chem Toxicol** 1991 Jul;29(7):477–83 (29 ref.)
Why evaluate for residual drug effects. Spencer JW. **NIDA Res Monogr** 1990;101:1–9 (11 ref.)

ANALYSIS

Overview of the state of the art of immunoassay screening tests. Golden CA. **J Am Vet Med Assoc** 1991 Mar 1; 198(5):827–30 (5 ref.)
High-performance immunoaffinity chromatography for drug residue analysis. Katz SE, et al. **J Assoc Off Anal Chem** 1990 Jul–Aug;73(4):557–60 (18 ref.)
[A review of the diagnostic possibilities of illegal drug administration in slaughtered animals and meat inspection] Ellerbrock L. **DTW Dtsch Tierarztl Wochenschr** 1990 Aug; 97(8):307–13 (105 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Biochemical and physiological dispositions of glutathione conjugates. Bakke JE. **Drug Metab Rev** 1990; 22(6–8):637–47 (25 ref.)
In vivo and in vitro metabolic studies of furazolidone: a risk evaluation. Vroomen LH, et al. **Drug Metab Rev** 1990; 22(6–8):663–76 (15 ref.)
Overview of bound residue chemistry. Weber NE. **Drug Metab Rev** 1990;22(6–8):611–5 (9 ref.)
Potential use of isolated organ or tissue preparations in the assessment of biological activities of bound residues. Yong MS. **Drug Metab Rev** 1990;22(6–8):753–63 (16 ref.)
[Covalently bound residues: theoretical aspects] Burgat-Sacaze V, et al. **Ann Rech Vet** 1990;21 Suppl 1:121S–127S (21 ref.) (Eng. Abstr.) **(Fre)**
[Covalently bound residues: the case of anthelmintics] Delatour P, et al. **Ann Rech Vet** 1990;21 Suppl 1:129S–136S (18 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOKINETICS

Pharmacokinetic and residue studies of quinolone compounds and olaquindox in poultry. Anadón A, et al. **Ann Rech Vet** 1990;21 Suppl 1:137S–144S (23 ref.)
Food safety and pharmacokinetic studies which support a zero (0) meat and milk withdrawal time for use of sometribove in dairy cows. Hammond BG, et al. **Ann Rech Vet** 1990;21 Suppl 1:107S–120S (53 ref.)
Injection sites and withdrawal times. Nouws JF. **Ann Rech Vet** 1990;21 Suppl 1:145S–150S (12 ref.)
The rat as a drug residue bioavailability model. Gallo-Torres HE. **Drug Metab Rev** 1990;22(6–8):707–51 (56 ref.)
Theory, use, and realities of efficacy and food safety of antimicrobial treatment of acute coliform mastitis. Erskine RJ, et al. **J Am Vet Med Assoc** 1991 Mar 15;198(6):980–4 (66 ref.)

PHARMACOLOGY

Use of complex behavioral baselines to monitor residual drug effects in animals. Paule MG. **NIDA Res Monogr** 1990; 101:57–70 (16 ref.)

TOXICITY

Relay toxicity. Boisseau J. **Drug Metab Rev** 1990; 22(6–8):685–97 (19 ref.)
Development of a unified approach to evaluate the toxicological potential of bound residues. Lu AY, et al. **Drug Metab Rev** 1990;22(6–8):891–904 (20 ref.)
Proposed plan for a unified approach for evaluating nitrofuran residues. McCalla DR. **Drug Metab Rev** 1990; 22(6–8):863–9 (17 ref.)
Validity of in vitro testing. Matula TI. **Drug Metab Rev** 1990; 22(6–8):777–87 (19 ref.)
Is the toxicity of cysteine conjugates formed during mercapturic acid biosynthesis relevant to the toxicity of covalently bound drug residues? Stevens JL, et al. **Drug Metab Rev** 1990;22(6–8):617–35 (88 ref.)
Nitroimidazoles: proposed studies on the toxicity of bound residues. Sved S, et al. **Drug Metab Rev** 1990; 22(6–8):849–61 (21 ref.)
Formation and biological evaluation of ronidazole bound residues. Wislocki PG, et al. **Drug Metab Rev** 1990; 22(6–8):649–61 (26 ref.)

DRUG RESISTANCE

Multidrug resistance. Fojo AT. **Adv Intern Med** 1991; 36:195–218 (148 ref.)
Molecular mechanisms of drug resistance. Hayes JD, et al. **Biochem J** 1990 Dec 1;272(2):281–95 (194 ref.)

GENETICS

Genetic mechanisms of drug resistance. A review. Borst P. **Acta Oncol** 1991;30(1):87–105 (145 ref.)
Multidrug resistance and chemosensitization: therapeutic implications for cancer chemotherapy. Georges E, et al. **Adv Pharmacol** 1990;21:185–220 (157 ref.)
Clinical significance of multiple drug resistance in human cancers. Bénard J, et al. **Anticancer Res** 1990 Sep–Oct; 10(5A):1297–302 (40 ref.)
Expression of a human multidrug-resistance cDNA (MDR1) under the control of a beta-actin promoter in transgenic mice. Galski H, et al. **Biotechnology** 1991;16:103–24 (38 ref.)
Multidrug resistance: clinical relevance in haematological malignancies. Kaye SB, et al. **Blood Rev** 1991 Mar; 5(1):38–41 (27 ref.)
Multidrug resistance (mdr) genes in human cancer. Nooter K, et al. **Br J Cancer** 1991 May;63(5):663–9 (104 ref.)
Drug resistance. Hochhauser D, et al. **Br Med Bull** 1991 Jan;47(1):178–96 (44 ref.)
Multidrug resistance. Moscow JA, et al. **Cancer Chemother Biol Response Modif** 1990;11:97–114 (100 ref.)
The clinical relevance of multidrug resistance. Bellamy WT, et al. **Cancer Invest** 1990;8(5):547–62 (139 ref.)
Mosaicism induced by gene insertion as a means of improving chemotherapeutic selectivity. Moolten FL. **Crit Rev Immunol** 1990;10(3):203–33 (213 ref.)
Molecular manipulations of the multidrug transporter: a new role for transgenic mice. Pastan I, et al. **FASEB J** 1991 Aug;5(11):2523–8 (28 ref.)
The multidrug resistance phenotype in human cancer. Cordon-Cardo C, et al. **Important Adv Oncol** 1991;:19–38 (102 ref.)
Genetic basis of multidrug resistance of tumor cells. Kane SE, et al. **J Bioenerg Biomembr** 1990 Aug;22(4):593–618 (187 ref.)
Gene amplification and drug resistance. Brown R. **J Pathol** 1991 Apr;163(4):287–92 (21 ref.)
Genetic and kinetic factors in the drug resistance of micrometastatic disease. Goldie JH. **Prog Clin Biol Res** 1990;354A:99–107 (14 ref.)
[Expression of P-glycoprotein 170 (GP 170) and drug resistance in human cancers] Bourhis J, et al. **Bull Cancer (Paris)** 1990;77(10):957–65 (34 ref.) (Eng. Abstr.) **(Fre)**
[Regulation of the multidrug resistance (MDR)1 gene expression] Kohno K, et al. **Gan To Kagaku Ryoho** 1990 Oct;17(10):1975–81 (21 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Drug resistance, the last frontier? Kellen JA. **Anticancer Res** 1991 Mar–Apr;11(2):917–9 (20 ref.)
Multidrug resistance in human tumors. Bellamy WT. **Curr Opin Oncol** 1990 Dec;2(6):1126–32 (20 ref.)
Drug resistance. Rodenhuis S. **Curr Opin Oncol** 1989 Dec; 1(2):236–40 (34 ref.)
The role of topoisomerase II in drug resistance. De Isabella P, et al. **Life Sci** 1991;48(23):2195–205 (95 ref.)
The prevention of antimalarial drug resistance. Peters W. **Pharmacol Ther** 1990;47(3):499–508 (67 ref.)
Multidrug resistance. Shibata H, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1990 Dec; 37(1–4):27–50 (67 ref.)
[Modulators of multidrug resistance in neoplastic cells] Grzelakowska-Sztabert B. **Postepy Biochem** 1989; 35(4):543–61 (128 ref.) **(Pol)**
[Multidrug resistance of neoplastic cells—facts and hypotheses] Grzelakowska-Sztabert B. **Postepy Biochem** 1989;35(4):513–41 (276 ref.) **(Pol)**

DRUG RESISTANCE, MICROBIAL

see related
MICROBIAL SENSITIVITY TESTS

Resistance of enterococci to glycopeptides. Courvalin P. **Antimicrob Agents Chemother** 1990 Dec;34(12):2291–6 (55 ref.)
Screening and treatment of infections caused by resistant enterococci. Herman DJ, et al. **Antimicrob Agents Chemother** 1991 Feb;35(2):215–9 (76 ref.)
The biofilm glycocalyx as a resistance factor. Hoyle BD, et al. **J Antimicrob Chemother** 1990 Jul;26(1):1–5 (59 ref.)
Quinolones in perspective. Neu HC. **J Antimicrob Chemother** 1990 Oct;26 Suppl B:1–6 (12 ref.)
Metal ion resistance in fungi: molecular mechanisms and their regulated expression. Mehra RK, et al. **J Cell Biochem** 1991 Jan;45(1):30–40 (64 ref.)
New aspects of antimicrobial resistance and the resulting therapeutic dilemmas. Murray BE. **J Infect Dis** 1991 Jun; 163(6):1184–94 (93 ref.)
Trends in bacterial resistance and implications for treatment of infections. Lima MB, et al. **J Int Med Res** 1990;18 Suppl 4:3D–5D (4 ref.)
Pharmacology of drugs that alter multidrug resistance in cancer. Ford JM, et al. **Pharmacol Rev** 1990 Sep; 42(3):155–99 (382 ref.)
Monotherapy versus combination antimicrobial therapy: a review. Barriere SL. **Pharmacotherapy** 1991;11(2 (Pt 2)):64S–71S (50 ref.)
Studies on the role of the mycobacterial cell envelope in the multiple drug resistance of atypical mycobacteria. Hoffner SE, et al. **Res Microbiol** 1991 May;142(4):448–51 (11 ref.)
Antimicrobial resistance in the intensive care unit. Grayson ML, et al. **Semin Respir Infect** 1990 Sep;5(3):204–14 (58 ref.)
[Distribution and antibiotic resistance of aerobic bacteria isolated from infected wounds caused by burns] Szabó J, et al. **Orv Hetil** 1991 Mar 31;132(13):687–90, 693 (22 ref.) (Eng. Abstr.) **(Hun)**

GENETICS

Multiple or pleiotropic drug resistance in yeast. Balzi E, et

al. **Biochim Biophys Acta** 1991 Mar 4;1073(2):241–52 (87 ref.)
Antimicrobial resistance and gene transfer in Staphylococcus aureus. al-Masaudi SB, et al. **J Appl Bacteriol** 1991 Apr; 70(4):279–90 (84 ref.)
The future contribution of transposition to antimicrobial resistance. Bennett PM, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:211–21 (36 ref.)
Abrupt changes in antibiotic resistance. McGowan JE Jr. **J Hosp Infect** 1991 Jun;18 Suppl A:202–10 (35 ref.)
Origin, evolution and dissemination of antibiotic resistance genes. Trieu-Cuot P, et al. **Microbiol Sci** 1987 Sep; 4(9):263–6 (26 ref.)
Bacterial resistance. Gentry LO. **Orthop Clin North Am** 1991 Jul;22(3):379–88 (55 ref.)
[Genetic and biochemical basis of microbial resistance to antibiotics] Popović M, et al. **Lijec Vjesn** 1990 Jul–Aug; 112(7–8):250–7 (28 ref.) (Eng. Abstr.) **(Scr)**

PHYSIOLOGY

Antimicrobial resistance among enterococci. Herman DJ, et al. **Antimicrob Agents Chemother** 1991 Jan;35(1):1–4 (68 ref.)
Mechanisms of bacterial resistance to antibiotics. Dever LA, et al. **Arch Intern Med** 1991 May;151(5):886–95 (144 ref.)
The emergence of antibiotic resistance: myths and facts in clinical practice. Hamilton-Miller JM. **Intensive Care Med** 1990;16 Suppl 3:S206–11 (43 ref.)

DRUG SCREENING

Application of the pharmacological screening process. Algate DR. **Drug Metab Rev** 1990;22(6–8):809–20 (19 ref.)
Significance of tissue levels for prediction of antibiotic efficacy and determination of dosage. Carbon C. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):510–6 (42 ref.)

METHODS

Correlation between pharmacokinetics, pharmacodynamics and efficacy of antibacterial agents in animal models. Dalhoff A, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul; 9(7):479–87 (39 ref.)
Animal models as predictors of the safety and efficacy of antibiotics. Zak O, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):472–8 (50 ref.)
Whole embryo culture and teratogenesis. Steele CE. **Hum Reprod** 1991 Jan;6(1):144–7 (29 ref.)
Mass ligand binding screening for receptor antagonists: prototype new drugs and blind alleys. Burch RM. **J Recept Res** 1991;11(1–4):101–13 (12 ref.)
Receptor binding in the drug discovery process. Williams M. **Med Res Rev** 1991 Mar;11(2):147–84 (71 ref.)
[Determination of the anti-infective action of an immunomodulator. Biostim as an example] Ounis I. **Allerg Immunol (Paris)** 1991 Apr;23(4):145–52 (37 ref.) (Eng. Abstr.) **(Fre)**

DRUG SCREENING ASSAYS, ANTITUMOR

Role of biological response modifiers in immunochemotherapy of solid tumors and retrovira!-induced leukemia. Fuggetta MP, et al. **Ann Ist Super Sanita** 1990;26(3–4):385–95 (86 ref.)
Can human small-cell lung cancer cell lines be applied for optimizing chemotherapy? Roed H, et al. **Cancer Treat Res** 1989;45:151–72 (80 ref.)

METHODS

Experimental design for the evaluation of the antitumor action of cytokines. Ciolli V, et al. **Ann Ist Super Sanita** 1990;26(3–4):441–51 (60 ref.)
In vitro sensitivity assays in cancer: a review, analysis, and prognosis. Hoffman RM. **J Clin Lab Anal** 1991;5(2):133–43 (187 ref.)

DRUG SCREENING TESTS, TUMOR-SPECIFIC see **DRUG SCREENING ASSAYS, ANTITUMOR**

DRUG SENSITIVITY ASSAY, MICROBIAL see **MICROBIAL SENSITIVITY TESTS**

DRUG STABILITY

Photodecomposition of drugs. Greenhill JV, et al. **Prog Med Chem** 1990;27:51–121 (233 ref.)

DRUG STORAGE

METHODS

Safe handling of vaccines. Casto DT, et al. **Pediatrics** 1991 Jan;87(1):108–12 (17 ref.)

DRUG SURVEILLANCE, POSTMARKETING see **PRODUCT SURVEILLANCE, POSTMARKETING**

DRUG SYNERGISM

see related
COCARCINOGENESIS

DRUG THERAPY

see related
MEDICATION ERRORS

Influence of oral contraceptives on drug therapy. Teichmann AT. **Am J Obstet Gynecol** 1990 Dec;163(6 Pt 2):2208–13 (63 ref.)
Relevance of pharmacodynamic principles in therapeutics. Holford NH. **Ann Acad Med Singapore** 1991 Jan; 20(1):26–30 (18 ref.)
Explicit criteria for determining inappropriate medication use in nursing home residents. Beers MH, et al. **Arch Intern Med** 1991 Sep;151(9):1825–32 (93 ref.)
How to avoid bias when comparing bone marrow transplantation with chemotherapy. Gray R, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:9–12 (0 ref.)
Autologous bone marrow transplantation in pediatric solid tumors: phase II studies. Hartmann O, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:106–8 (18 ref.)
The role of high dose therapy and autologous bone marrow transplant in children with malignancies. Philip T. **Bone Marrow Transplant** 1991;7 Suppl 3:104–5 (0 ref.)
Megatherapy for soft tissue sarcomas. EBMT experience. Pinkerton CR. **Bone Marrow Transplant** 1991;7 Suppl 3:120–2 (12 ref.)
Therapeutic drug monitoring analysis systems for the physician office laboratory: a review of the literature. Oles KS. **DICP** 1990 Nov;24(11):1070–7 (48 ref.)
Can therapeutic efficacy be predicted from phase I data? Thiercelin JF. **Fundam Clin Pharmacol** 1990;4 Suppl 2:69s–76s (0 ref.)
The elderly and drug policy: coming of age. Avorn J. **Health Aff (Millwood)** 1990 Fall;9(3):6–19 (20 ref.)
Challenges associated with drug use in the elderly: implications for dentistry. Grymonpre R, et al. **J Can Dent Assoc** 1991 Mar;57(3):203–7 (42 ref.)
Medicines and drug testing in the workplace. DuPont RL. **J Psychoactive Drugs** 1990 Oct–Dec;22(4):451–9 (28 ref.)
Stagewise, group sequential experimental designs for quantal responses. one-sample and two-sample comparisons. Feder PI, et al. **Neurosci Biobehav Rev** 1991 Spring;15(1):129–33 (6 ref.)
Pharmacotherapy and the primary care physician. Carter BL. **Prim Care** 1990 Sep;17(3):469–77 (40 ref.)
Oral contraceptive drug interactions: important considerations. Fazio A. **South Med J** 1991 Aug; 84(8):997–1002 (66 ref.)
[The uniqueness of drug therapy in the aged] Platt D. **Pharm Unserer Zeit** 1991 Jan;20(1):32–6 (12 ref.) **(Ger)**
[Drug therapy of elderly patients] Galeotta G, et al. **Clin Ter** 1990 Nov 15;135(3):181–92 (27 ref.) (Eng. Abstr.) **(Ita)**
[Main principles of chronotherapy] Sorokin AA, et al. **Klin Med (Mosk)** 1991 May;69(5):37–9 (28 ref.) **(Rus)**
[Chrono-pharmacokinetics. Therapeutic implications] Cadórniga Carro R. **An R Acad Nac Med (Madr)** 1990; 107(2):185–214 (30 ref.) **(Spa)**
[Patients and drugs] Gonzalo Sanz LM. **Rev Med Univ Navarra** 1988 Jan–Mar;32(1):15–6 (4 ref.) **(Spa)**

ADVERSE EFFECTS

An overview of adverse drug reactions. Fincham JE. **Am Pharm** 1991 Jun;NS31(6):47–52 (33 ref.)
The role of medications in geriatric sexual function. Deamer RL, et al. **Clin Geriatr Med** 1991 Feb;7(1):95–111 (46 ref.)
Adverse reactions in children. Special considerations in prevention and management. Leary PM. **Drug Saf** 1991 May–Jun;6(3):171–82 (54 ref.)
Drug use in pregnancy and lactation. Ives TJ, et al. **Prim Care** 1990 Sep;17(3):623–45 (90 ref.)
Drugs and related areas in pregnancy. Niebyl JR. **Zentralbl Gynakol** 1991;113(7):375–88 (0 ref.)
[Drug-induced arterial hypertension] Dworak N, et al. **Rev Med Suisse Romande** 1990 Dec;110(12):1027–31 (27 ref.) **(Fre)**
[Drug-induced changes in the lungs] Schaefer C, et al. **Radiologe** 1990 Dec;30(12):564–73 (23 ref.) (Eng. Abstr.) **(Ger)**
[List of abuse substances most requested by drug addicts, particularly in reference to the Alexandria province. Notes for the general practitioner] Torregiani F, et al. **Minerva Med** 1990 Jul–Aug;81(7–8 Suppl):155–9 (6 ref.) (Eng. Abstr.) **(Ita)**

INSTRUMENTATION

Overview and evolution of therapeutic systems. Zaffaroni A. **Ann N Y Acad Sci** 1991;618:405–21 (16 ref.)

METHODS

Treatment of urinary incontinence: the place of drugs. Sourander LB. **Gerontology** 1990;36 Suppl 2:19–26 (11 ref.)
Intraspinal drug therapy. Paice JA, et al. **Nurs Clin North Am** 1991 Jun;26(2):477–98 (53 ref.)
[Trends in the development of research in the field of liposomes (review of patent literature)] Nesytova NIu, et al. **Vestn Akad Med Nauk SSSR** 1990;(6):8–19 (213 ref.) (Eng. Abstr.) **(Rus)**

NURSING

Polypharmacy in geriatric patients. LeSage J. **Nurs Clin North Am** 1991 Jun;26(2):273–90 (69 ref.)
Basic principles of pharmacologic action. Schwertz DW. **Nurs Clin North Am** 1991 Jun;26(2):245–62 (18 ref.)

PSYCHOLOGY

[Psychological factors of drug therapy] Lapin IP. **Klin Med (Mosk)** 1990 Aug;68(8):17–23 (22 ref.) **(Rus)**

STANDARDS

Rational drug treatment of acute upper respiratory infections. Kumar L, et al. **Indian Pediatr** 1990 Apr;27(4):411–20 (48 ref.)
Quality assurance for drug prescribing. Soumerai SB, et al. **Qual Assur Health Care** 1990;2(1):37–58 (57 ref.)
Rational antibiotic therapy: new drugs, changing concepts. Graber H. **Ther Hung** 1990;38(3):99–105 (46 ref.)

TRENDS

New drugs of 1990. Hussar DA. **Am Pharm** 1991 Mar; NS31(3):54–84 (0 ref.)
Advances in pediatric pharmacokinetics and therapeutics. Phelps SJ, et al. **J Pediatr** 1990 Dec;117(6):996–1001 (17 ref.)
Advances in pediatric drug therapy of asthma. Levin RH. **Nurs Clin North Am** 1991 Jun;26(2):263–72 (28 ref.)
[Drug therapy: from the stereotypes to conception] Ignat'ev VS, et al. **Klin Med (Mosk)** 1990 Dec;68(12):3–6 (22 ref.) **(Rus)**

DRUG THERAPY, COMBINATION

see related
ANTINEOPLASTIC AGENTS, COMBINED

Multiple drug therapy in the treatment of essential hypertension. Hockenberry B. **Nurs Clin North Am** 1991 Jun;26(2):417–36 (36 ref.)
Polypharmacy in geriatric patients. LeSage J. **Nurs Clin North Am** 1991 Jun;26(2):273–90 (69 ref.)

DRUG THERAPY, COMPUTER-ASSISTED

Implantable insulin pumps: a major piece of computerized diabetes therapy. Selam JL. **Horm Metab Res Suppl** 1990; 24:144–54 (76 ref.)

DRUG TOLERANCE

The role of adenosine and adenosine transport in ethanol-induced cellular tolerance and dependence. Possible biologic and genetic markers of alcoholism. Diamond I, et al. **Ann N Y Acad Sci** 1991;625:473–87 (31 ref.)
Chronic benzodiazepine administration: from the patient to the gene. Miller LG. **J Clin Pharmacol** 1991 Jun;31(6):492–5 (20 ref.)
Conditioned opponent processes in the development of tolerance to psychoactive drugs. Goudie AJ. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(5):675–88 (36 ref.)
This and that: drug tolerance and great expectations. Max B. **Trends Pharmacol Sci** 1990 Oct;11(10):401–4 (14 ref.)
[Biochemical mechanisms of antitumor drug resistance] Tsuruo T. **Seikagaku** 1990 Sep;62(9):1144–53 (58 ref.) **(Jpn)**

GENETICS

Multidrug resistance gene family and chemical carcinogens. Thorgeirsson SS, et al. **Pharmacol Ther** 1991;49(3):283–92 (62 ref.)

PHYSIOLOGY

Host defenses against copper toxicity. Winge DR, et al. **Int Rev Exp Pathol** 1990;31:47–83 (175 ref.)

DRUG USE DISORDERS see **SUBSTANCE USE DISORDERS**

DRUG UTILIZATION

Drug misuse--tip of the iceberg. Bhatt AD. **J Assoc Physicians India** 1990 Aug;38(8):573–5 (29 ref.)
Drug utilization in Panama. Lee D. **J Clin Epidemiol** 1991; 44 Suppl 2:31S–38S (51 ref.)
[Surveillance of adverse reactions of drugs and monitoring of drug prescriptions as routine in hospital activities] Maistrello I, et al. **Recenti Prog Med** 1991 Apr; 82(4):197–201 (16 ref.) (Eng. Abstr.) **(Ita)**
[Drugs in developing countries. Current status, problems and possible solutions] Jallow MT, et al. **Tidsskr Nor Laegeforen** 1991 Jun 20;111(16):1960–7 (31 ref.) (Eng. Abstr.) **(Nor)**

STATISTICS & NUMERICAL DATA

Use of albumin in a university hospital: the value of targeted physician intervention. Stumpf JL, et al. **DICP** 1991 Mar; 25(3):239–43 (17 ref.)

Utilisation of drugs for diabetes mellitus. Feldman HI, et al. **Drug Saf** 1991 May–Jun;6(3):220–9 (41 ref.)

TRENDS

Drug use and the role of patients and prescribers. Sterky G, et al. **J Clin Epidemiol** 1991;44 Suppl 2:67S–72S (23 ref.)

DRUG WITHDRAWAL SYMPTOMS see **SUBSTANCE WITHDRAWAL SYNDROME**

DRUGS

see related

PLANTS, MEDICINAL

Drugs and the elderly. Bird HA. **Ann Rheum Dis** 1990 Dec; 49(12):1021–4 (21 ref.)

Changes in the World Health Organisation essential drug list. Howard NJ, et al. **Lancet** 1991 Sep 21;338(8769):743–5 (10 ref.)

[The effect of food intake on drug action] Pletscher W, et al. **Pharm Acta Helv** 1990;65(8):210–4 (27 ref.) (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Real time response polymeric delivery systems. Langer R, et al. **Ann N Y Acad Sci** 1991;618:330–4 (25 ref.)

Chronotherapeutics. Pharmacokinetic constraints and opportunities. Levy G. **Ann N Y Acad Sci** 1991;618:116–22 (21 ref.)

Concepts of circadian chronopharmacology. Reinberg AE. **Ann N Y Acad Sci** 1991;618:102–15 (25 ref.)

Investigative protocols for chronotherapeutics. Basic requirements and illustrative case histories. Smolensky MH, et al. **Ann N Y Acad Sci** 1991;618:465–83 (83 ref.)

Overview and evolution of therapeutic systems. Zaffaroni A. **Ann N Y Acad Sci** 1991;618:405–21 (16 ref.)

Pharmacokinetic–pharmacodynamic relationship. Baggot JD. **Ann Rech Vet** 1990;21 Suppl 1:29S–40S (16 ref.)

Receptor–mediated endocytosis of macromolecular conjugates in selective drug delivery. Basu SK. **Biochem Pharmacol** 1990 Nov 1;40(9):1941–6 (58 ref.)

Microbially controlled drug delivery to the colon. Rubinstein A. **Biopharm Drug Dispos** 1990 Aug–Sep;11(6):465–75 (48 ref.)

Delivery of recombinant peptide and protein drugs. Mackay M. **Biotechnol Genet Eng Rev** 1990;8:251–78 (176 ref.)

Liposomes in vivo: prospects for liposome–based pharmaceuticals in the 1990s. Senior JH. **Biotechnol Genet Eng Rev** 1990;8:279–317 (163 ref.)

Pharmacokinetic requirements for successful site–directed targeting of drugs. McMartin C. **Biotherapy** 1991;3(1):9–23 (15 ref.)

Parenteral nutrient admixtures as drug vehicles: theory and practice in the critical care setting. Driscoll DF, et al. **DICP** 1991 Mar;25(3):276–83 (68 ref.)

Sequential design and analysis of dose finding studies in patients with life threatening disease. O'Quigley J. **Fundam Clin Pharmacol** 1990;4 Suppl 2:81s–91s (7 ref.)

Drug delivery systems. 6. Transdermal drug delivery. Ranade VV. **J Clin Pharmacol** 1991 May;31(5):401–18 (95 ref.)

Behavioral economics of drug self–administration. I. Functional equivalence of response requirement and drug dose. Bickel WK, et al. **Life Sci** 1990;47(17):1501–10 (18 ref.)

[Pharmacokinetic methods for achieving and maintaining stationary plasma levels in the venous administration of drugs] Iamboliev I, et al. **Khirurgiia (Sofiia)** 1990; 43(5):46–53 (34 ref.) (Eng. Abstr.) **(Bul)**

[Dosages of drugs in patients with kidney function disorders] Verresen L. **Ned Tijdschr Geneeskd** 1991 Mar 30; 135(13):547–51 (16 ref.) **(Dut)**

[Clinical applicability of intraperitoneal administration of nutrients and drugs] Roisman I, et al. **Harefuah** 1991 Jan 15;120(2):76–80 (41 ref.) **(Heb)**

[Drug therapy: from the stereotypes to conception] Ignat'ev VS, et al. **Klin Med (Mosk)** 1990 Dec;68(12):3–6 (22 ref.) **(Rus)**

[Trends in the development of research in the field of liposomes (review of patent literature)] Nesytova NIu, et al. **Vestn Akad Med Nauk SSSR** 1990;(6):8–19 (213 ref.) (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Adverse drug reactions in neonatal intensive care units. Bonati M, et al. **Adverse Drug React Acute Poisoning Rev** 1990 Summer; 9(2):103–18 (146 ref.)

Drug–induced disturbances of carbohydrate metabolism. Chan JC, et al. **Adverse Drug React Toxicol Rev** 1991 Spring;10(1):1–29 (207 ref.)

Use of an algorithm to evaluate published reports of adverse drug reactions. Case B, et al. **Am J Hosp Pharm** 1991 Jan; 48(1):121–2 (13 ref.)

The ambiguous relation between aging and adverse drug reactions. Gurwitz JH, et al. **Ann Intern Med** 1991 Jun 1;114(11):956–66 (104 ref.)

Drug–related lupus syndromes and their relationship to spontaneously occurring systemic lupus erythematosus. Alarcón–Segovia D, et al. **Baillieres Clin Rheumatol** 1991 Apr;5(1):1–12 (92 ref.)

Drug–induced scleroderma. Bourgeois P, et al. **Baillieres Clin Rheumatol** 1991 Apr;5(1):13–20 (31 ref.)

Drug–induced vasculitides. Dubost JJ, et al. **Baillieres Clin Rheumatol** 1991 Apr;5(1):119–38 (130 ref.)

Drug–induced myopathies. Le Quintrec JS, et al. **Baillieres Clin Rheumatol** 1991 Apr;5(1):21–38 (109 ref.)

Drug–induced gout. Scott JT. **Baillieres Clin Rheumatol** 1991 Apr;5(1):39–60 (130 ref.)

Adverse drug reactions. An overview of special considerations in the management of the elderly patient. Brawn LA, et al. **Drug Saf** 1990 Nov–Dec;5(6):421–35 (99 ref.)

Risk factors for adverse drug reactions—epidemiological approaches. Hoigné R, et al. **Eur J Clin Pharmacol** 1990; 39(4):321–5 (20 ref.)

Drug–induced lung disease: 1990 review. Israel–Biet D, et al. **Eur Respir J** 1991 Apr;4(4):465–78 (201 ref.)

Adverse drug reactions and the elderly. Ray WA, et al. **Health Aff (Millwood)** 1990 Fall;9(3):114–22 (27 ref.)

Chemicals and environmentally caused diseases in developing countries. Jamall IS, et al. **Infect Dis Clin North Am** 1991 Jun;5(2):365–75 (52 ref.)

Standardization of definitions and criteria of causality assessment of adverse drug reactions. Drug–induced liver disorders: report of an international consensus meeting. **Int J Clin Pharmacol Ther Toxicol** 1990 Aug;28(8):317–22 (13 ref.)

Adverse drug reactions in cattle [published erratum appears in J Am Vet Med Assoc 1991 Jan 1;198(1):11–2] [see comments] Vomand KC, et al. **J Am Vet Med Assoc** 1990 Oct 1;197(7):899–905 (128 ref.) Comment in: J Am Vet Med Assoc 1991 Jan 1;198(1):11–2.

Psychiatric side effects associated with the ten most commonly dispensed prescription drugs: a review. Hubbard JR, et al. **J Fam Pract** 1991 Aug;33(2):177–86 (111 ref.)

Effects of drugs on the fetus. Berlin CM Jr. **Pediatr Rev** 1991 Mar;12(9):282–7 (0 ref.)

Cationic amphiphilic drugs and phospholipid storage disorder. Kodavanti UP, et al. **Pharmacol Rev** 1990 Dec; 42(4):327–54 (355 ref.)

Drug fever. Remember to consider it in diagnosis. Hanson MA. **Postgrad Med** 1991 Apr;89(5):167–70, 173 (9 ref.)

Safety in clinical trials. Wallander MA. **Scand J Prim Health Care** 1990;Suppl 1:89–91 (8 ref.)

Drug–induced cholestasis: pathogenesis and clinical features. King PD, et al. **Semin Liver Dis** 1990 Nov;10(4):316–21 (69 ref.)

[New aspects of drug hepatotoxicity] Denjean P, et al. **Ann Gastroenterol Hepatol (Paris)** 1990 Dec;26(7):293–8 (35 ref.) (Eng. Abstr.) **(Fre)**

[Drug–induced disseminated lung diseases] Meier–Sydow J, et al. **Z Gesamte Inn Med** 1990 Oct 1;45(19):589–92 (13 ref.) (Eng. Abstr.) **(Ger)**

[Adverse drug reactions on hair] Gollnick H, et al. **Z Hautkr** 1990 Dec;65(12):1128–34 (51 ref.) (Eng. Abstr.) **(Ger)**

[Extracardiac risk factors in heart surgery—drugs] Weber E, et al. **Z Kardiol** 1990;79 Suppl 4:71–8 (27 ref.) (Eng. Abstr.) **(Ger)**

[The international system of drug control (published erratum appears in Boll Chim Farm 1991 Dec;129(12):following 329)] Barbadoro E. **Boll Chim Farm** 1990 Mar;129(3):140–3 (9 ref.) (Eng. Abstr.) **(Ita)**

[Surveillance of adverse reactions of drugs and monitoring of drug prescriptions as routine in hospital activities] Maistrello I, et al. **Recenti Prog Med** 1991 Apr; 82(4):197–201 (16 ref.) (Eng. Abstr.) **(Ita)**

[Drug surveillance for adverse reactions in patients with human immunodeficiency virus infection] Valencia ME, et al. **An Med Interna** 1990 Nov;7(11):591–8 (58 ref.) (Eng. Abstr.) **(Spa)**

[The safety of drugs] de Cea Lavech de Chancy H. **Rev Clin Esp** 1990 Sep;187(4):184–90 (58 ref.) (Eng. Abstr.) **(Spa)**

ANALYSIS

Therapeutic drug monitoring in pregnancy: rationale and current status. Knott C, et al. **Clin Pharmacokinet** 1990 Dec;19(6):425–33 (74 ref.)

Are phase I studies without drug level determination acceptable? Morselli PL. **Fundam Clin Pharmacol** 1990;4 Suppl 2:125s–133s (13 ref.)

Do we need highly sensitive analytical techniques in phase I? Singlas E. **Fundam Clin Pharmacol** 1990;4 Suppl 2:135s–140s (14 ref.)

Analytical applications of enhanced drug luminescence. Baeyens WR, et al. **J Pharm Biomed Anal** 1989; 7(12):1385–94 (53 ref.)

Advances in automation of pharmaceutical analysis. Berridge JC. **J Pharm Biomed Anal** 1989;7(12):1313–21 (33 ref.)

Optically–based chemical and biochemical sensors for the detection of some drugs and biological compounds. Coulet PR, et al. **J Pharm Biomed Anal** 1989;7(12):1361–76 (59 ref.)

Chemiluminescence: a sensitive and versatile method for analyte detection. Givens RS, et al. **J Pharm Biomed Anal** 1990;8(6):477–91 (29 ref.)

Analytical aspects of drugs of natural origin. Hamburger M, et al. **J Pharm Biomed Anal** 1989;7(12):1337–49 (30 ref.)

Flow injection analysis of pharmaceuticals. Luque de Castro MD, et al. **J Pharm Biomed Anal** 1989;7(12):1291–300 (102 ref.)

Sample preparation for the HPLC analysis of drugs in biological fluids. McDowall RD, et al. **J Pharm Biomed Anal** 1989;7(9):1087–96 (25 ref.)

Applications of quantitative 1H– and 13C–NMR spectroscopy in drug analysis. Pieters LA, et al. **J Pharm Biomed Anal** 1989;7(12):1405–71 (41 ref.)

Analytical applications of circular dichroism. Purdie N, et al. **J Pharm Biomed Anal** 1989;7(12):1519–26 (11 ref.)

Adsorptive stripping voltammetry applied to drug analysis: a powerful tool. Vire JC, et al. **J Pharm Biomed Anal** 1989; 7(12):1323–35 (77 ref.)

The use of ion–selective electrodes in the determination of drug substances. Vytřas K. **J Pharm Biomed Anal** 1989; 7(7):789–812 (267 ref.)

Liquid chromatographic methods validation for pharmaceutical products. Wilson TD. **J Pharm Biomed Anal** 1990;8(5):389–400 (132 ref.)

Novel strategies for clinical drug analysis with new column technology in liquid chromatography. Wong SH. **J Pharm Biomed Anal** 1990;8(2):185–93 (39 ref.)

Advances in liquid chromatography and related methodologies for therapeutic drug monitoring. Wong SH. **J Pharm Biomed Anal** 1989;7(9):1011–32 (94 ref.)

Medicines and drug testing in the workplace. DuPont RL. **J Psychoactive Drugs** 1990 Oct–Dec;22(4):451–9 (28 ref.)

[Expert system and pharmaceutical science] Feng F, et al. **Yao Hsueh Hsueh Pao** 1990;25(4):315–20 (56 ref.) **(Chi)**

CHEMICAL SYNTHESIS

Chirality and its importance in drug development. Campbell DB, et al. **Biochem Soc Trans** 1991 Apr;19(2):472–5 (23 ref.)

Chirality and its importance in drug development: an analytical chemist's perspective. Fell AF, et al. **Biochem Soc Trans** 1991 Apr;19(2):454–6 (19 ref.)

Computer–assisted series design in chemical synthesis of bioactive compounds. Mager PP. **Med Res Rev** 1991 Jul; 11(4):375–402 (17 ref.)

CHEMISTRY

Chirality and its importance in drug development: what are the issues? Beckett AH. **Biochem Soc Trans** 1991 Apr; 19(2):443–6 (4 ref.)

Chirality and its importance in drug development: a synthetic chemist's perspective. Roberts SM. **Biochem Soc Trans** 1991 Apr;19(2):446–53 (26 ref.)

Application of micellar mobile phases for the assay of drugs in biological fluids. Koenigbauer MJ. **J Chromatogr** 1990 Oct 12;531:79–99 (50 ref.)

Analysis of drugs and other toxic substances in biological samples for pharmacokinetic studies. Peng GW, et al. **J Chromatogr** 1990 Oct 12;531:3–50 (359 ref.)

Radiochromatography in pharmaceutical and biomedical analysis. Veltkamp AC. **J Chromatogr** 1990 Oct 12; 531:101–29 (91 ref.)

Chiral high performance liquid chromatography of drug molecules. Mehta AC. **J Clin Pharm Ther** 1990 Oct; 15(5):313–23 (41 ref.)

[High resolution gas chromatography and its application in pharmaceutical analysis] Fang HJ. **Yao Hsueh Hsueh Pao** 1990;25(11):869–80 (32 ref.) **(Chi)**

ISOLATION & PURIFICATION

The role of ethnopharmacology in drug development. Farnsworth NR. **Ciba Found Symp** 1990;154:2–11; discussion 11–21 (14 ref.)

Marine natural products. Faulkner DJ. **Nat Prod Rep** 1990 Aug;7(4):269–309 (365 ref.)

METABOLISM

The Scheele memorial lecture 1989. Drug metabolism in the design and safety evaluation of new drugs. Parke DV. **Acta Pharm Nord** 1990;2(4):231–48 (61 ref.)

Genetic polymorphism of drug metabolism in humans. Gross AS, et al. **Adv Exp Med Biol** 1991;283:627–40 (77 ref.)

Review article: hypoxia and hepatic drug metabolism—clinical implications. Angus PW, et al. **Aliment Pharmacol Ther** 1990 Jun;4(3):213–25 (67 ref.)

Genetic polymorphisms in drug metabolism—its relevance to Asian populations. Lee EJ. **Ann Acad Med Singapore** 1991 Jan;20(1):56–60 (28 ref.)

Dietary regulation of cytochrome P450. Anderson KE, et al. **Annu Rev Nutr** 1991;11:141–67 (174 ref.)

Chiral drug metabolism: a perspective. Kaye B. **Biochem Soc Trans** 1991 Apr;19(2):456–9 (15 ref.)

Drug metabolizing enzymes in the brain and cerebral microvessels. Minn A, et al. **Brain Res Brain Res Rev** 1991 Jan–Apr;16(1):65–82 (182 ref.)

The 1990 Pharmaceutical Manufacturers Association of Canada keynote lecture. The role of the cytochromes P450 in the detoxication and activation of drugs and other chemicals. Parke DV, et al. **Can J Physiol Pharmacol** 1991 May;69(5):537–49 (101 ref.)

Cutaneous metabolism of xenobiotics. Kao J, et al. **Drug Metab Rev** 1990;22(4):363–410 (299 ref.)

Differences in drug metabolism polymorphism between Orientals and Caucasians. Lou YC. **Drug Metab Rev** 1990; 22(5):451–75 (105 ref.)
Drug metabolism and liver disease in India. Narang AP, et al. **Drug Metab Rev** 1991;23(1–2):65–81 (93 ref.)
Interaction of alcohol with other drugs and nutrients. Implication for the therapy of alcoholic liver disease. Lieber CS. **Drugs** 1990;40 Suppl 3:23–44 (212 ref.)
Redox cycling of radical anion metabolites of toxic chemicals and drugs and the Marcus theory of electron transfer. Mason RP. **Environ Health Perspect** 1990 Jul;87:237–43 (30 ref.)
Ferritin, lipid peroxidation and redox-cycling xenobiotics. Winterbourn CC, et al. **Free Radic Res Commun** 1991;12–13 Pt 1:107–14 (26 ref.)
Measurement of free drug in phase I: is it useful? Barré J, et al. **Fundam Clin Pharmacol** 1990;4 Suppl 2:141s–150s (21 ref.)
Genetic polymorphisms of drug metabolism. Meyer UA. **Fundam Clin Pharmacol** 1990;4(6):595–615 (83 ref.)
Methods of drug protein binding determinations. Sebille B. **Fundam Clin Pharmacol** 1990;4 Suppl 2:151s–161s (25 ref.)
Separation procedures used to reveal and follow drug–protein binding. Sebille B, et al. **J Chromatogr** 1990 Oct 12;531:51–77 (110 ref.)
Reevaluating equilibrium and kinetic binding parameters for lipophilic drugs based on a structural model for drug interaction with biological membranes. Mason RP, et al. **J Med Chem** 1991 Mar;34(3):869–77 (41 ref.)
Interactions of albumin and medications. Doweiko JP, et al. **JPEN J Parenter Enteral Nutr** 1991 Mar–Apr;15(2):212–4 (25 ref.)
Role of genetics and drug metabolism in human cancer risk. Nebert DW. **Mutat Res** 1991 Apr;247(2):267–81 (62 ref.)
Basic principles of pharmacologic action. Schwertz DW. **Nurs Clin North Am** 1991 Jun;26(2):245–62 (18 ref.)
Role of cytochromes P450 in drug metabolism and hepatotoxicity. Watkins PB. **Semin Liver Dis** 1990 Nov; 10(4):235–50 (176 ref.)
Physiological basis of multicompartmental models of drug distribution. Atkinson AJ Jr, et al. **Trends Pharmacol Sci** 1991 Mar;12(3):96–101 (24 ref.)
Interethnic variation of drug metabolism. Kalow W. **Trends Pharmacol Sci** 1991 Mar;12(3):102–7 (36 ref.)
Magnetic resonance as a non-invasive tool to study metabolism in pharmacological research. Kaplan O, et al. **Trends Pharmacol Sci** 1990 Oct;11(10):398–400 (17 ref.)
[Red blood cells as carrier systems for drugs] Hellwig U. **Pharmazie** 1990 Nov;45(11):824–6 (70 ref.) **(Ger)**
[The significanse of microsomal ethanol oxidation systems for the metabolism of drugs and pollutants] Hoffmann P, et al. **Pharmazie** 1991 Apr;46(4):241–6 (87 ref.) **(Ger)**
[The effect of disease on pharmacokinetics of drugs. 1. Kidney diseases] Pfeifer S. **Pharmazie** 1991 May; 46(5):305–27 (398 ref.) **(Ger)**
[Is chirality a key to stereoselective drug action?] Cegla M, et al. **Postepy Hig Med Dosw** 1990;44(4–6):279–98 (53 ref.) (Eng. Abstr.) **(Pol)**
[Blood plasma proteins and drug transport across the hemato-encephalic barrier] Lutsevich AN, et al. **Farmakol Toksikol** 1991 Jan–Feb;54(1):70–6 (75 ref.) (Eng. Abstr.) **(Rus)**
[Sex differences in drug metabolism in various endocrine diseases] Ashirmetov AKh, et al. **Probl Endokrinol (Mosk)** 1991 Mar–Apr;37(2):65–8 (51 ref.) **(Rus)**
[Drug metabolism is dynamic. It is as adaptable as the immune system] Ingelman-Sundberg M, et al. **Lakartidningen** 1991 Jul 10;88(28–29):2454–7 (16 ref.) (Eng. Abstr.) **(Swe)**

SUPPLY & DISTRIBUTION

Supply and use of essential drugs in sub-Saharan Africa: some issues and possible solutions. Foster S. **Soc Sci Med** 1991; 32(11):1201–18 (65 ref.)

TOXICITY

The importance of calcium regulation in toxic cell injury. Studies utilizing the technology of digital imaging fluorescence microscopy. Trump BF, et al. **Clin Lab Med** 1990 Sep;10(3):531–47 (38 ref.)
Interspecies comparisons in toxicology: the utility and futility of plasma concentrations of the test substance. Monro AM. **Regul Toxicol Pharmacol** 1990 Oct;12(2):137–60 (77 ref.)
Extrapolation of animal toxicity to humans: interspecies comparisons in drug development. Voisin EM, et al. **Regul Toxicol Pharmacol** 1990 Oct;12(2):107–16 (55 ref.)
[Cultured hepatocytes and drugs] Bourel M, et al. **C R Soc Seances Soc Biol Fil** 1990;184(3–4):211–6 (14 ref.) **(Fre)**
[Free radicals in industrial medicine: their mechanisms of toxicity and biological relevance] Manno M. **Med Lav** 1990 Jul–Aug;81(4):251–61 (44 ref.) (Eng. Abstr.) **(Ita)**

DRUGS, CHINESE HERBAL

[Review of experimental researches on the compatibility of drugs in a prescription] Fu H. **Chung Kuo Chung Yao Tsa Chih** 1991 Feb;16(2):114–7 (25 ref.) **(Chi)**
[Research on the improvement of dosage forms of prescriptions in Chinese traditional medicine] Yu G. **Chung Kuo Chung Yao Tsa Chih** 1991 Mar;16(3):182–6 (30 ref.) **(Chi)**

ADVERSE EFFECTS

[Review of adverse effects of drugs in 54 titles published in the China journal of Chinese Materia Medica] Tan D, et al. **Chung Kuo Chung Yao Tsa Chih** 1990 Apr;15(4):245–7 (54 ref.) **(Chi)**

CHEMISTRY

[Progress of studies on the chemical constituents of Ganoderma triterpene] Chen RY, et al. **Yao Hsueh Hsueh Pao** 1990;25(12):940–53 (61 ref.) **(Chi)**

PHARMACOLOGY

Fungal metabolites and Chinese herbal medicine as immunostimulants. Lien EJ. **Prog Drug Res** 1990; 34:395–420 (98 ref.)
[Advanced study of calcium channel blockers in Chinese herbal medicine] Gao X. **Chung Hsi I Chieh Ho Tsa Chih** 1990 Jul;10(7):447–8, 425 (22 ref.) **(Chi)**
[Progress in pharmacological research on radix Astragali] Liu ZY. **Chung Hsi I Chieh Ho Tsa Chih** 1991 May; 11(5):312–4 (24 ref.) **(Chi)**
[Pharmacological effects of fresh ginger and dried ginger] Meng HQ. **Chung Hsi I Chieh Ho Tsa Chih** 1990 Oct; 10(10):638–40 (15 ref.) **(Chi)**
[Pharmacological function of fructus Litseae and its effect of warming the interior] Shen YQ. **Chung Hsi I Chieh Ho Tsa Chih** 1990 Dec;10(12):751–3 (31 ref.) **(Chi)**
[Immunopharmacological effect of Cordyceps sinensis] Zhang H. **Chung Hsi I Chieh Ho Tsa Chih** 1990 Sep; 10(9):570–1 (17 ref.) **(Chi)**
[Radiation sensitizing and protective action of Ligusticum wallichii Franch] Zhang SW, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1990 Nov;10(11):697–8 (16 ref.) **(Chi)**
[Advances in the pharmacological researches on the commonly-used prescriptions in Chinese traditional medicine during past 5 years] Deng W. **Chung Kuo Chung Yao Tsa Chih** 1991 Feb;16(2):118–20, inside back cover (0 ref.) **(Chi)**
[Advances in the research on Apoacynum] Wang ZQ. **Chung Kuo Chung Yao Tsa Chih** 1991 Apr;16(4):250–2 (13 ref.) **(Chi)**
[A review on studies of antioxidation of Chinese materia medica] Zhan H, et al. **Chung Kuo Chung Yao Tsa Chih** 1990 Oct;15(10):630–3, 641 (26 ref.) **(Chi)**
[Comparative effects of ginkgo biloba extracts on psychomotor performances and memory in healthy subjects] Warot D, et al. **Therapie** 1991 Jan–Feb;46(1):33–6 (24 ref.) (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

[Traditional Chinese medicine and Western medicine in the treatment of endotoxemia] Chen HL. **Chung Hsi I Chieh Ho Tsa Chih** 1991 Mar;11(3):184–7 (37 ref.) **(Chi)**
[Clinical and experimental study of garlic in preventing and treating cardiovascular diseases] Cheng W. **Chung Hsi I Chieh Ho Tsa Chih** 1990 Oct;10(10):635–7, 640 (37 ref.) **(Chi)**
[Treatment of idiopathic thrombocytopenic purpura with Chinese herbal drugs] Li YC. **Chung Hsi I Chieh Ho Tsa Chih** 1991 Jun;11(6):380–1 (18 ref.) **(Chi)**
[Advance in drug treatment of primary and familial hypercholesterolemia] Liu K. **Chung Hsi I Chieh Ho Tsa Chih** 1991 May;11(5):315–7 (20 ref.) **(Chi)**
[Treatment and experimental study on activating blood circulation and removing blood stasis to cerebral hemorrhage during acute stage] Wang HS. **Chung Hsi I Chieh Ho Tsa Chih** 1990 Nov;10(11):694–6 (21 ref.) **(Chi)**
[Mechanism of post-ischemic reperfusion damage of myocardium and the protective and therapeutic effects with traditional Chinese medicine] Xu XS. **Chung Hsi I Chieh Ho Tsa Chih** 1991 Feb;11(2):124–6 (26 ref.) **(Chi)**

DRUGS, INVESTIGATIONAL

see related
CLINICAL TRIALS
DRUG EVALUATION

Investigational drugs and research. Tueting P. **Psychiatr Med** 1991;9(2):333–47 (19 ref.)

THERAPEUTIC USE

Drug approval and AIDS: benefits for the elderly. Rothman DJ, et al. **Health Aff (Millwood)** 1990 Fall;9(3):123–30 (9 ref.)
Chemotherapy update. Miaskowski C. **Nurs Clin North Am** 1991 Jun;26(2):331–9 (15 ref.)

DRUGS, NON-PRESCRIPTION

ADVERSE EFFECTS

Episodic factitious gingival injury secondary to topical anesthesia. A case report. Raab FJ, et al. **J Periodontol** 1991 Jun;62(6):402–6 (28 ref.)
Nonprescription drugs and hypertension. Which ones affect blood pressure? Bradley JG. **Postgrad Med** 1991 May 1; 89(6):195–7, 201–2 (32 ref.)

CLASSIFICATION

Implications of the reclassification of drugs from prescription-only to over-the-counter status. Gossel TA. **Clin Ther** 1991 Mar–Apr;13(2):200–15; discussion 199 (45 ref.)

TOXICITY

Micronutrient supplements: toxicity and drug interactions. Flodin NW. **Prog Food Nutr Sci** 1990;14(4):277–331 (257 ref.)

DRUGS OF ABUSE see **STREET DRUGS**

DRUSEN, OPTIC DISK see **OPTIC DISK DRUSEN**

DRUSEN, OPTIC NERVE see **OPTIC DISK DRUSEN**

DRUSEN, RETINAL see **RETINAL DRUSEN**

DRY EYE SYNDROMES

ETIOLOGY

Systemic associations of dry-eye syndrome. Kaden I, et al. **Int Ophthalmol Clin** 1991 Summer;31(3):69–88 (92 ref.)
[The dry eye. Status determination and prospects] Göbbels M. **Fortschr Ophthalmol** 1990;87 Suppl:S190–7 (84 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Contact lenses and dry eye. Farris RL. **Int Ophthalmol Clin** 1991 Spring;31(2):83–90 (19 ref.)

THERAPY

Staged therapy for the dry eye. Farris RL. **CLAO J** 1991 Jul;17(3):207–15 (53 ref.)

DRY SOCKET

see related
TOOTH EXTRACTION

PREVENTION & CONTROL

Prevention of dry socket: an overview. Swanson AE. **Oral Surg Oral Med Oral Pathol** 1990 Aug;70(2):131–6 (26 ref.)

DTP VACCINE see **DIPHTHERIA-TETANUS-PERTUSSIS VACCINE**

DTPA

Radiolabeling antibodies via the cyclic anhydride of DTPA—experiences of 5 years. Hnatowich DJ. **Cancer Treat Res** 1990;51:173–81 (43 ref.)
Tolerance data of Gd-DTPA: a review. Niendorf HP, et al. **Eur J Radiol** 1991 Jul–Aug;13(1):15–20 (7 ref.)

DIAGNOSTIC USE

Magnetic resonance knee arthrography. Enhanced contrast by gadolinium complex in the rabbit and in humans. Engel A. **Acta Orthop Scand Suppl** 1990;240:1–57 (80 ref.)
Gadopentetate dimeglumine-enhanced MR imaging of the musculoskeletal system. Beltran J, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):457–66 (58 ref.)
Bowel visualization during indium-111-labelled diethylene triamine penta-acetic acid cisternography due to massive cerebrospinal fluid leak. Case report and review of the literature. Jeffery PJ, et al. **Eur J Nucl Med** 1990; 17(6–8):365–8 (20 ref.)
Magnetic resonance imaging contrast agents: theory and application to the central nervous system. Bronen RA, et al. **J Neurosurg** 1990 Dec;73(6):820–39 (82 ref.)

DUAL-ENERGY SCANNED PROJECTION RADIOGRAPHY see **RADIOGRAPHY, DUAL-ENERGY SCANNED PROJECTION**

DUAL PERSONALITY see **MULTIPLE-PERSONALITY DISORDER**

DUAL-PHOTON ABSORPTIOMETRY see **ABSORPTIOMETRY, PHOTON**

DUCHENNE MUSCULAR DYSTROPHY see **MUSCULAR DYSTROPHY**

DUCK HEPATITIS B VIRUS see **HEPATITIS B VIRUS, DUCK**

DUCTUS ARTERIOSUS, PATENT

DRUG THERAPY

Maternal, fetal, and neonatal physiology in pregnancy. Gilbert WM. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):4–7 (12 ref.)

RADIOGRAPHY

Fleischner lecture. Developmental abnormalities in the systemic blood supply to the lungs. Ellis K. **AJR Am J Roentgenol** 1991 Apr;156(4):669–79 (55 ref.)

SURGERY

[Aneurysm of the diverticulum of the ductus arteriosus in the adult] Ueno Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Aug;38(8):1356–61 (12 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Transcatheter occlusive procedures in congenital heart disease [editorial] Khalilullah M. **Indian Heart J** 1990 Mar–Apr;42(2):83–4 (18 ref.)

Persistent patent ductus arteriosus. Clyman RI. **Int J Technol Assess Health Care** 1991;7 Suppl 1:70–8 (71 ref.)

ULTRASONOGRAPHY

[The importance of Doppler echocardiography in the differential diagnosis of causes of neonatal cyanosis] Katona M, et al. **Orv Hetil** 1990 Nov 4;131(44):2407–10 (28 ref.) (Eng. Abstr.) **(Hun)**

DUE PROCESS see **JURISPRUDENCE**

DUHRING'S DISEASE see **DERMATITIS HERPETIFORMIS**

DUMPING SYNDROME

ETIOLOGY

[Detection of susceptibility to dumping syndrome] Akimov VP. **Vestn Khir** 1990 Aug;145(8):143–5 (42 ref.) **(Rus)**

DUNCAN'S SYNDROME see **LYMPHOPROLIFERATIVE DISORDERS**

DUODENAL COMPRESSION SYNDROME, MESENTERIC see **SUPERIOR MESENTERIC ARTERY SYNDROME**

DUODENAL DISEASES

Acute and chronic intestinal pseudo-obstruction. Camilleri M, et al. **Adv Intern Med** 1991;36:287–306 (69 ref.)

Review of duodenal diverticula. Afridi SA, et al. **Am J Gastroenterol** 1991 Aug;86(8):935–8 (38 ref.)

BLOOD

[Serum pepsinogen I in gastroduodenal pathology] Perasso A, et al. **Recenti Prog Med** 1991 Feb;82(2):86–90 (34 ref.) (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Juxtapapillary duodenal diverticula: association with biliary stone disease. De Koster E, et al. **Acta Gastroenterol Belg** 1990 May–Jun;53(3):338–43 (30 ref.)

DIAGNOSIS

Imaging of the stomach and duodenum. Bartram CI. **Curr Opin Radiol** 1991 Jun;3(3):407–13 (24 ref.)

[Diagnosis and combined treatment of duodeno-hormonal deficiency] Treskunov KA, et al. **Klin Med (Mosk)** 1991 May;69(5):39–44 (88 ref.) **(Rus)**

[Early diagnosis and treatment of concomitant pathology of the gallbladder and duodenum in ambulatory care] Aselderov PSh. **Ter Arkh** 1991;63(2):127–9 (16 ref.) (Eng. Abstr.) **(Rus)**

ETIOLOGY

Obstructing paraduodenal hematoma. Wilson EB, et al. **Am Surg** 1990 Nov;56(11):700–1 (16 ref.)

Fatal pancreatitis secondary to iatrogenic intramural duodenal hematoma: a case report and review of the literature. Sadry F, et al. **Gastrointest Radiol** 1990 Fall;15(4):296–8 (14 ref.)

Duodenal stricture: a complication of chronic fibrocalcific pancreatitis. Taylor SM, et al. **South Med J** 1991 Mar;84(3):338–41 (18 ref.)

[A case of aortoduodenal fistula following radiotherapy of retroperitoneal metastatic disease] Fukasawa H, et al. **Gan To Kagaku Ryoho** 1991 Jan;18(1):119–22 (9 ref.) (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

[Helicobacter pylori and gastroduodenal pathology. First Part: Pathophysiology and diagnostic methods] Sobhani I, et al. **Gastroenterol Clin Biol** 1991;15(5):405–11 (86 ref.) **(Fre)**

[Campylobacter pylori and its role in the pathogenesis of selected diseases of the stomach and duodenum] Matysiak-Budnik T. **Pol Tyg Lek** 1990 Feb 19–26;45(8–9):189–92 (26 ref.) **(Pol)**

[Helicobacter pylori: a new pathogen to be considered in infancy] Herrera Montes I, et al. **An Esp Pediatr** 1991 May;34(5):373–5 (30 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Surgical treatment of primary aortoduodenal fistula. Taheri SA, et al. **Ann Vasc Surg** 1991 May;5(3):265–70 (58 ref.)

[Duodenocolonic fistula. Report of a case and review of the literature] Averbach M, et al. **Arq Gastroenterol** 1989 Oct–Dec;26(4):127–30 (11 ref.) (Eng. Abstr.) **(Por)**

THERAPY

Therapeutic upper gastrointestinal endoscopy. Past, present, and future. Lambert R. **Scand J Gastroenterol Suppl** 1990;175:63–76 (58 ref.)

Duodenobronchial fistula. Heitmiller RF, et al. **Surgery** 1991 Sep;110(3):546–8 (17 ref.)

DUODENAL NEOPLASMS

[Somatostatinoma] Reggio D, et al. **G Chir** 1988 Nov;9(11):805–8 (46 ref.) (Eng. Abstr.) **(Ita)**

[A case report of multiple lipomas of the alimentary tract and gall bladder combined with early gastric cancer] Tokoro Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Feb;88(2):175–9 (20 ref.) **(Jpn)**

DIAGNOSIS

[A case of duodenal schwannoma] Mishina Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Mar;88(3):745–8 (8 ref.) **(Jpn)**

[Diagnosis of cancer of the bilio-pancreatoduodenal region] Lebedev NV, et al. **Sov Med** 1990;(11):33–8 (75 ref.) **(Rus)**

PATHOLOGY

Paraganglioma of the duodenum: a case report with radiological findings and literature review. Imai S, et al. **Br J Radiol** 1990 Dec;63(756):975–7 (14 ref.)

[A case report of primary duodenal leiomyoblastoma] Yasutake K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jun;88(6):1364–8 (21 ref.) **(Jpn)**

PHYSIOPATHOLOGY

Zollinger-Ellison syndrome. A new look at regression of gastrinomas. Delcore R, et al. **Arch Surg** 1991 May;126(5):556–8 (21 ref.)

SURGERY

[Duodenal paraganglioma. Case report and review of the literature] Duff CA, et al. **Chirurg** 1991 Feb;62(2):144–7 (23 ref.) **(Ger)**

DUODENAL OBSTRUCTION

CONGENITAL

Anomalous biliary ducts associated with duodenal atresia. Knechtle SJ, et al. **J Pediatr Surg** 1990 Dec;25(12):1266–9 (11 ref.)

ETIOLOGY

[Bouveret syndrome diagnosed by endoscopy] Csermely L, et al. **Orv Hetil** 1990 Dec 9;131(49):2715–7 (19 ref.) (Eng. Abstr.) **(Hun)**

[Errors in establishing the indicators for cholecystectomy as a cause of development of post-cholecystectomy syndrome] Bobrov OE. **Klin Khir** 1991;(4):64–9 (129 ref.) **(Rus)**

DUODENAL PAPILLA, MAJOR see **VATER'S AMPULLA**

DUODENAL PAPILLA, MINOR see **PANCREATIC DUCTS**

DUODENAL ULCER

Neonatal duodenal perforation. Miller BM, et al. **J Pediatr Gastroenterol Nutr** 1990 Oct;11(3):407–10 (19 ref.)

CHEMICALLY INDUCED

[NSAID causes ulcer and other gastrointestinal disorders] Axelson J. **Lakartidningen** 1991 Apr 3;88(14):1286–9 (94 ref.) **(Swe)**

COMPLICATIONS

Fatal duodenocaval fistula resulting from a giant peptic ulcer. Case report. deSa LA, et al. **Acta Chir Scand** 1990 Sep;156(9):647–50 (17 ref.)

Management of upper gastrointestinal bleeding. Papp JP. **Clin Geriatr Med** 1991 May;7(2):255–64 (47 ref.)

[Prognosis and surgical tactics in gastroduodenal ulcers] Zakharova GN, et al. **Sov Med** 1990;(10):35–9 (60 ref.) **(Rus)**

[Characteristics of peptic ulcer in women] Sakhautdinov VG, et al. **Vestn Khir** 1991 Feb;146(2):145–7 (22 ref.) **(Rus)**

DRUG THERAPY

Safety profile of long-term H2-antagonist therapy. Lewis JH. **Aliment Pharmacol Ther** 1991;5 Suppl 1:49–57 (41 ref.)

Acid secretory changes and early relapse following duodenal ulcer healing with ranitidine or sucralfate. Marks IN, et al. **Am J Med** 1991 Aug 8;91(2A):95S–101S (35 ref.)

Gastric H+,K(+)-ATPase as a therapeutic target in peptic ulcer disease. Sachs G, et al. **Dig Dis Sci** 1990 Dec;35(12):1537–44 (33 ref.)

Long term treatment of duodenal ulcer. A review of management options. Bianchi Porro G, et al. **Drugs** 1991 Jan;41(1):38–51 (91 ref.)

Clinical efficacy of famotidine in the treatment of acid-related diseases: an overview. Dammann HG. **Hepatogastroenterology** 1990 Jul;37 Suppl 1:2–5 (0 ref.)

Acid secretion and acid suppression in pathogenesis and healing of peptic ulcer disease. Thomson AB. **Hepatogastroenterology** 1990 Jul;37 Suppl 1:18–28 (144 ref.)

Is maintenance therapy required for duodenal ulcer disease? Kalro RH, et al. **J Assoc Physicians India** 1990 Sep;38 Suppl 1:743–5 (30 ref.)

Prevention and management of relapse of peptic ulcer [review, tutorial] Lam SK. **Trop Gastroenterol** 1990 Oct–Dec;11(4):173–185 (103 ref.)

[New developments in drug therapy: omeprazole] Koop H. **Z Gastroenterol Verh** 1991 Mar;26:159–61 (23 ref.) **(Ger)**

[High demands on drug administration and pharmacological principles applied in ulcer diseases] Hellström PM. **Lakartidningen** 1991 Feb 6;88(6):425–30 (15 ref.) **(Swe)**

EPIDEMIOLOGY

[Is peptic ulcer a seasonal disease?] Rigaud D, et al. **Gastroenterol Clin Biol** 1990;14(10):727–31 (35 ref.) **(Fre)**

ETIOLOGY

Non-acid mechanisms of gastric and duodenal ulcer formation. Bynum TE. **J Clin Gastroenterol** 1991;13 Suppl 2:S56–64 (114 ref.)

Aetiology of duodenal ulcer. Wormsley KG. **Recenti Prog Med** 1990 Jun;81(6):365–73 (49 ref.)

New concepts in experimental peptic ulceration. Parekh D, et al. **Surg Annu** 1991;23 Pt 2:31–52 (86 ref.)

MICROBIOLOGY

Helicobacter pylori and duodenal ulceration. Lind CD, et al. **Hosp Pract [Off]** 1991 Feb 28;26(2A):45–9, 52–3, 56 passim (6 ref.)

Does Helicobacter pylori play a role in the pathogenesis of peptic ulcer? Part I: No. Helicobacter pylori is a commensal in the stomach. Desai HG. **J Assoc Physicians India** 1990 Sep;38 Suppl 1:746–7 (34 ref.)

Does Helicobacter pylori play a role in the pathogenesis of peptic ulcer? Part II. Yes, Helicobacter pylori is a pathogenetic factor in peptic ulcer. Nanivadekar SA. **J Assoc Physicians India** 1990 Sep;38 Suppl 1:748–51 (27 ref.)

Helicobacter pylori: fact or fiction? Korman MG. **Scand J Gastroenterol Suppl** 1990;175:159–65 (46 ref.)

[Helicobacter pylori] Kjøller M. **Nord Med** 1990;105(11):299–300 (30 ref.) (Eng. Abstr.) **(Dan)**

[Helicobacter pylori and gastroduodenal pathology. Second part: Clinical aspects and therapy] Sobhani I, et al. **Gastroenterol Clin Biol** 1991;15(5):412–20 (99 ref.) **(Fre)**

[Helicobacter pylori in patho- and morphogenesis of chronic gastritis and peptic ulcer] Zaitseva KK. **Arkh Patol** 1991;53(2):72–5 (57 ref.) (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Clinical significance of peptic erosions] Wolff G. **Z Arztl Fortbild (Jena)** 1991 Jun 10;85(11):507–9 (27 ref.) **(Ger)**

PHYSIOPATHOLOGY

[Current perspectives in the pathogenesis and the treatment of duodenal ulcer] Loffeld RJ. **Ned Tijdschr Geneeskd** 1990 Nov 10;134(45):2170–2 (27 ref.) **(Dut)**

[Interaction of motility and secretion of the stomach--pathophysiologic aspects] Müller-Lissner S. **Z Gastroenterol** 1991 Apr;29 Suppl 3:22–3 (11 ref.) (Eng. Abstr.) **(Ger)**

[Gastrin, insulin and glucagon secretion after cimetidine and sodium hydrocarbonate intake in patients with duodenal ulcer] Valenkevich LN, et al. **Klin Med (Mosk)** 1991 Mar;69(3):91–3 (22 ref.) (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Prevention of duodenal ulcer recurrence. A new prospect] Soulé JC. **Presse Med** 1991 Mar 16;20(10):465–70 (37 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Parietal cell vagotomy and selective vagotomy plus antrectomy in the treatment of duodenal ulcer. A follow-up of 10 years. Zou ZS, et al. **Chin Med J (Engl)** 1991 Feb;104(2):103–8 (15 ref.)

[Surgical tactics in bleeding duodenal ulcers] Khachiev LG,

et al. **Khirurgiia (Mosk)** 1990 Jul;(7):32–6 (50 ref.) (Eng. Abstr.) **(Rus)**

[Modern methods of surgical treatment of uncomplicated treatment of duodenal ulcers] Movchan KN. **Klin Khir** 1991;(1):50–4 (67 ref.) **(Rus)**

DUODENITIS

Crohn's disease of the small bowel. Hyman NH, et al. **Compr Ther** 1991 Apr;17(4):38–42 (11 ref.)

COMPLICATIONS

Is gastroduodenitis a cause of chronic dyspepsia? Tytgat GN, et al. **Scand J Gastroenterol Suppl** 1991;182:33–9 (55 ref.)

DIAGNOSIS

[Diagnosis and combined treatment of duodeno-hormonal deficiency] Treskunov KA, et al. **Klin Med (Mosk)** 1991 May;69(5):39–44 (88 ref.) **(Rus)**

ETIOLOGY

[The role of Campylobacter pylori in lesions of the upper segments of the digestive tract in children] Shcherbakov PL. **Pediatriia** 1990;(8):99–105 (98 ref.) **(Rus)**

PATHOLOGY

[Clinical significance of peptic erosions] Wolff G. **Z Arztl Fortbild (Jena)** 1991 Jun 10;85(11):507–9 (27 ref.) **(Ger)**

DUODENOGASTRIC REFLUX

COMPLICATIONS

Alkaline reflux gastritis. Burden WR, et al. **Surg Clin North Am** 1991 Feb;71(1):33–44 (38 ref.)

[Postoperative reflux gastritis] Riabtsev VG, et al. **Klin Med (Mosk)** 1990 Sep;68(9):22–7 (74 ref.) **(Rus)**

ETIOLOGY

[Errors in establishing the indicators for cholecystectomy as a cause of development of post-cholecystectomy syndrome] Bobrov OE. **Klin Khir** 1991;(4):64–9 (129 ref.) **(Rus)**

[Pyloric sphincter and its role in the regulation of digestive processes] Tutchenko NI, et al. **Klin Khir** 1990;(8):47–50 (54 ref.) **(Rus)**

DUODENOSCOPY

Variceal injection sclerotherapy. Sauerbruch T, et al. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):131–53 (134 ref.)

The place of endoscopy in the management of gallstones. Winslet MC, et al. **Baillieres Clin Gastroenterol** 1991 Mar; 5(1):99–129 (221 ref.)

METHODS

Endoscopic approach to malignant biliary obstruction. Devière J, et al. **Cardiovasc Intervent Radiol** 1990 Aug–Sep; 13(4):223–30 (29 ref.)

VETERINARY

Upper gastrointestinal endoscopy. Guilford WG. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1209–27 (10 ref.)

DUODENUM

BLOOD SUPPLY

Pancreaticoduodenal artery aneurysms associated with celiac axis stenosis: report of two cases and review of the literature. Quandalle P, et al. **Ann Vasc Surg** 1990 Nov; 4(6):540–5 (32 ref.)

Duodenal varicose veins. Linder S, et al. **Surg Endosc** 1991; 5(1):31–5 (35 ref.)

[Duodenal varices treated successfully by percutaneous transhepatic obliteration: report of a case] Ohta T, et al. **Hokkaido Igaku Zasshi** 1991 Jan;66(1):79–85 (27 ref.) (Eng. Abstr.) **(Jpn)**

[Blood flow and the functional status of the mucosa before and after vagotomy] Kuzin NM, et al. **Vestn Khir** 1990 Jun;144(6):145–9 (28 ref.) **(Rus)**

DRUG EFFECTS

Gastroduodenal mucosal damage with salsalate versus aspirin: results of experimental models and endoscopic studies in humans. Scheiman JM, et al. **Semin Arthritis Rheum** 1990 Oct;20(2):121–7 (38 ref.)

INNERVATION

[Central nervous system regulation of gastric acid and duodenal bicarbonate secretion] Lenz HJ. **Z Gastroenterol Verh** 1991 Mar;26:236–40 (62 ref.) **(Ger)**

MICROBIOLOGY

[The role of Campylobacter pylori in lesions of the upper segments of the digestive tract in children] Shcherbakov PL. **Pediatriia** 1990;(8):99–105 (98 ref.) **(Rus)**

PATHOLOGY

The pitted duodenal bulb. Davis M, et al. **J Clin Gastroenterol** 1991 Feb;13(1):25–8 (14 ref.)

PHYSIOLOGY

[Comparison of methods: gastro-duodenal manometry and study of gastric emptying] Stanghellini V, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):125–30 (31 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

[Endoscopic choledochoduodenomanometry] Pugaev AV, et al. **Khirurgiia (Mosk)** 1990 Oct;(10):143–7 (68 ref.) **(Rus)**

RADIOGRAPHY

The pitted duodenal bulb. Davis M, et al. **J Clin Gastroenterol** 1991 Feb;13(1):25–8 (14 ref.)

SURGERY

Arterial hemorrhage after pancreatoduodenectomy. The 'sentinel bleed'. Brodsky JT, et al. **Arch Surg** 1991 Aug; 126(8):1037–40 (14 ref.)

Pylorus preserving pancreatoduodenectomy: an overview. Grace PA, et al. **Br J Surg** 1990 Sep;77(9):968–74 (76 ref.)

Pylorus-preserving pancreatoduodenectomy—technical aspects. Braasch JW, et al. **Langenbecks Arch Chir** 1991; 376(1):50–8 (62 ref.)

[Telescopic pancreatico-jejunostomy after duodeno-cephalopancreatectomy. Original proposal for reconstruction using an interposed loop] Carboni M, et al. **G Chir** 1988 Oct;9(10):715–8 (7 ref.) **(Ita)**

[Management of the residual pancreatic stump after duodeno-cephalopancreatectomy] Ribotta G, et al. **G Chir** 1988 Oct; 9(10):731–3 (15 ref.) **(Ita)**

ULTRASONOGRAPHY

[Endoscopic ultrasound scanning of the upper gastrointestinal canal] Vilmann P, et al. **Ugeskr Laeger** 1991 Feb 4; 153(6):414–7 (25 ref.) (Eng. Abstr.) **(Dan)**

DUPUYTREN'S CONTRACTURE

Dupuytren's contracture. Riolo J, et al. **South Med J** 1991 Aug;84(8):983–86 (28 ref.)

ETIOLOGY

[Dupuytren's disease] Dingemans AJ, et al. **Ned Tijdschr Geneeskd** 1990 Dec 1;134(48):2330–4 (31 ref.) **(Dut)**

PHYSIOPATHOLOGY

[Dupuytren contracture] Meyer VE. **Schweiz Rundsch Med Prax** 1991 Mar 26;80(13):322–4 (0 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

[Dupuytren's contracture. When operate? Conservative preliminary treatment?] Falter E, et al. **Fortschr Med** 1991 Apr 5;109(10):223–6 (17 ref.) (Eng. Abstr.) **(Ger)**

DURA MATER

Biologically inert synthetic dural substitutes. Appraisal of a medical-grade aliphatic polyurethane and a polysiloxane-carbonate block copolymer. Sakas DE, et al. **J Neurosurg** 1990 Dec;73(6):936–41 (54 ref.)

Subdural hematoma associated with metastatic neoplasms. McKenzie CR, et al. **Neurosurgery** 1990 Oct;27(4):619–24; discussion 624–5 (51 ref.)

An unusual complication of silastic dural substitute: case report. Ng TH, et al. **Neurosurgery** 1990 Sep;27(3):491–3 (12 ref.)

[Dura mater chondroma. A case report and review of the literature] Sebbag M, et al. **J Radiol** 1990 Aug–Sep; 71(8–9):495–8 (24 ref.) (Eng. Abstr.) **(Fre)**

[Posterior fossa hemorrhage 11 years after the use of silastic dural substitute: case report] Gondo G, et al. **No Shinkei Geka** 1991 Jan;19(1):59–62 (8 ref.) (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Anatomical and radiological variations of the lumbar dural sac and nerve root sheaths. Maiuri F, et al. **Clin Neurol Neurosurg** 1990;92(3):203–13 (97 ref.)

BLOOD SUPPLY

Neuroeffector functions of sensory fibres: implications for headache mechanisms and drug actions. Moskowitz MA, et al. **J Neurol** 1991;238 Suppl 1:S18–22 (29 ref.)

Meningeal blood supply of the convexity. Merland JJ, et al. **J Neuroradiol** 1977 Jun;4(2):129–74 (28 ref.) **(Eng, Fre)**

The blood supply of the falx cerebri, the falx cerebelli and the tentorium cerebelli. Merland JJ, et al. **J Neuroradiol** 1977 Jun;4(2):175–202 (29 ref.) **(Eng, Fre)**

Vascularization of the posterior fossa dura mater. Théron J, et al. **J Neuroradiol** 1977 Jun;4(2):203–24 (20 ref.) **(Eng, Fre)**

[Superior petrosal sinus dural arteriovenous malformation with varix indenting brain stem—report of a case and review of the literature] Nishino A, et al. **No To Shinkei** 1991 Jan;43(1):62–9 (25 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Hypertrophic spinal pachymeningitis: report of two cases and review of the literature. Ashkenazi E, et al. **Neurosurgery** 1991 May;28(5):730–2 (22 ref.)

RADIOGRAPHY

The blood supply of the falx cerebri, the falx cerebelli and the tentorium cerebelli. Merland JJ, et al. **J Neuroradiol** 1977 Jun;4(2):175–202 (29 ref.) **(Eng, Fre)**

Vascularization of the posterior fossa dura mater. Théron J, et al. **J Neuroradiol** 1977 Jun;4(2):203–24 (20 ref.) **(Eng, Fre)**

SURGERY

Post-traumatic CSF fistulae, the case for surgical repair. Eljamel MS, et al. **Br J Neurosurg** 1990;4(6):479–83 (23 ref.)

[Intradural sequestration of cervical intervertebral disk displacement] Sprick C, et al. **Nervenarzt** 1991 Feb; 62(2):133–5 (9 ref.) **(Ger)**

TRANSPLANTATION

Tracheostomy scar revision using allogeneic dura. Carlson ER, et al. **J Oral Maxillofac Surg** 1991 Mar;49(3):315–8 (3 ref.)

Creutzfeldt-Jakob disease from allogeneic dura: a review of risks and safety. Marx RE, et al. **J Oral Maxillofac Surg** 1991 Mar;49(3):272–4; discussion 274–5 (11 ref.)

DURABLE MEDICAL EQUIPMENT

STANDARDS

Canes, crutches and walkers. Joyce BM, et al. **Am Fam Physician** 1991 Feb;43(2):535–42 (20 ref.)

DUST

see related

PNEUMOCONIOSIS

House-dust-mite allergens: a review. Arlian LG. **Exp Appl Acarol** 1991 Feb;10(3–4):167–86 (106 ref.)

A review of biology and allergenicity of the house-dust mite Euroglyphus maynei (Acari: Pyroglyphidae). Colloff MJ. **Exp Appl Acarol** 1991 Jun;11(2–3):177–98 (96 ref.)

Hypothesis: is lung disease after silicate inhalation caused by oxidant generation? Ghio AJ, et al. **Lancet** 1990 Oct 20;336(8721):967–9 (35 ref.)

ADVERSE EFFECTS

House dust mite allergy and anti-mite measures in the indoor environment. Harving H, et al. **Allergy** 1991;46 Suppl 11:33–8 (19 ref.)

Treatment of patients allergic to house dust mites. Haugaard L, et al. **Allergy** 1991;46 Suppl 11:26–32 (41 ref.)

Epidemiology of house dust mite allergy. Korsgaard J, et al. **Allergy** 1991;46 Suppl 11:14–8 (36 ref.)

Social, political, economic and health consequences of environmental treatment of house dust mites. Olsen OF, et al. **Allergy** 1991;46 Suppl 11:39–44 (30 ref.)

Hazardous health effects of occupational exposure to wood dust. Flechsig R, et al. **Ind Health** 1990;28(3):107–19 (91 ref.)

Organic dust toxic syndrome: an acute febrile reaction to organic dust exposure distinct from hypersensitivity pneumonitis. Von Essen S, et al. **J Toxicol Clin Toxicol** 1990;28(4):389–420 (101 ref.)

House dust mite (Dermatophagoides spp.) allergens: research directions and priorities in the 1990s. Baldo BA, et al. **Monogr Allergy** 1990;28:138–58 (69 ref.)

[Health problems among persons exposed to grain dust] Poulsen KB, et al. **Ugeskr Laeger** 1991 Jul 8; 153(28):1986–90 (30 ref.) (Eng. Abstr.) **(Dan)**

[Pleural mesothelioma: etiology and practical consequences] Woitowitz HJ, et al. **Pneumologie** 1991 Apr;45(4):153–8 (34 ref.) (Eng. Abstr.) **(Ger)**

ANALYSIS

Trace elements in street and house dusts: sources and speciation. Fergusson JE, et al. **Sci Total Environ** 1991 Mar; 100 Spec No:125–50 (91 ref.)

DWARFISM

Congenital dysplasias and dwarfism. Clark RN. **Pediatr Rev** 1990 Nov;12(5):149–59 (8 ref.)

COMPLICATIONS

Congenital heart disease and Robinow syndrome: coincidence or an additional component of the syndrome? Webber SA, et al. **Am J Med Genet** 1990 Dec;37(4):519–21 (9 ref.)

[Seckel's syndrome associated with atrial septal defect: a case report and review of the literature in Japan] Fukuda S, et al. **Kyobu Geka** 1991 May;44(5):411–3 (20 ref.) (Eng. Abstr.) **(Jpn)**

[Clinical and genetic heterogeneity in Robinow's syndrome. Report of a new case and review of the literature I] Oliván Gonzalvo G, et al. **An Esp Pediatr** 1990 Jul;33(1):76–81 (31 ref.) **(Spa)**

DIAGNOSIS

Mesomelic dysplasia with absence of fibulae and hexadactyly: Nievergelt syndrome or new syndrome? Petrella R, et al. **Am J Med Genet** 1990 Sep;37(1):10–4 (16 ref.)

DRUG THERAPY

[Pharmacologic treatment of constitutional short stature] Zaccaria M. **Minerva Endocrinol** 1990 Jan–Mar;15(1):73–8 (16 ref.) (Eng. Abstr.) **(Ita)**

GENETICS

Short stature/short limb skeletal dysplasia with severe combined immunodeficiency and bowing of the femora: report of two patients and review. MacDermot KD, et al. **J Med Genet** 1991 Jan;28(1):10–7 (20 ref.)

[Osteoglophonic skeletal dysplasia––a variant of generalized fibrous dysplasia? Case report and review of the literature] Stöss H, et al. **Pathologe** 1991 May;12(3):161–6 (9 ref.) **(Ger)**

PATHOLOGY

Pseudodiastrophic dysplasia evolution with age and management. Report of two new cases and review of the literature. Canki-Klain N, et al. **Ann Genet** 1990; 33(3):129–36 (8 ref.)

PHYSIOPATHOLOGY

Dwarfs: pathophysiology and anesthetic implications [see comments] Berkowitz ID, et al. **Anesthesiology** 1990 Oct; 73(4):739–59 (155 ref.) Comment in: Anesthesiology 1991 Jun;74(6):1172–3.

DWARFISM, CACHECTIC see **COCKAYNE SYNDROME**

DWARFISM, PITUITARY

DRUG THERAPY

Use of growth hormone in the treatment of short stature: boon or abuse? Saenger P. **Pediatr Rev** 1991 Jun; 12(12):355–63 (56 ref.)

Growth promoters in humans. Burns HJ. **Proc Nutr Soc** 1990 Oct;49(3):467–72 (142 ref.)

GENETICS

[Molecular aspects of hereditary growth hormone defects] Argente Oliver J. **An Esp Pediatr** 1990 Nov;33 Suppl 42:132–8 (52 ref.) **(Spa)**

PHYSIOPATHOLOGY

Retarded cerebral growth of hormone-deficient mice. Noguchi T. **Comp Biochem Physiol [C]** 1991;98(1):239–48 (68 ref.)

THERAPY

[Treatment of hypophyseal nanism] Tamburrano G, et al. **Minerva Endocrinol** 1990 Jan–Mar;15(1):55–60 (30 ref.) (Eng. Abstr.) **(Ita)**

DWARFISM, THANATOPHORIC see **THANATOPHORIC DYSPLASIA**

DYE EXCLUSION ASSAYS, ANTITUMOR see **DRUG SCREENING ASSAYS, ANTITUMOR**

DYES

see related
FOOD COLORING AGENTS
STAINS AND STAINING

Investigation of dye/protein interaction and its application to enzyme purification. Glemža AA. **J Mol Recognit** 1990 Jun;3(3):137–41 (14 ref.)

ANALYSIS

Sweeteners, flavorings, and dyes in antibiotic preparations. Kumar A, et al. **Pediatrics** 1991 Mar;87(3):352–60 (44 ref.)

DIAGNOSTIC USE

Use of dyes in cariology. van de Rijke JW. **Int Dent J** 1991 Apr;41(2):111–6 (53 ref.)

PHARMACOKINETICS

An efflux system for cationic dyes and related compounds in Escherichia coli. Midgley M. **Microbiol Sci** 1987 Apr; 4(4):125–7 (21 ref.)

STANDARDS

Standardization of the Feulgen reaction for absorption DNA image cytometry: a review. Schulte EK. **Anal Cell Pathol** 1991 May;3(3):167–82 (120 ref.)

Standardization of biological dyes and stains: pitfalls and possibilities. Schulte EK. **Histochemistry** 1991;95(4):319–28 (140 ref.)

THERAPEUTIC USE

Photodynamic therapy using rhodamine-123 as a new laser dye: biodistribution, metabolism and histology in New Zealand rabbits. Castro DJ, et al. **Laryngoscope** 1991 Feb; 101(2):158–64 (26 ref.)

TOXICITY

[4-Chloro-o-toluidine-induced bladder cancer] Stasik MJ. **Dtsch Med Wochenschr** 1991 Sep 20;116(38):1444–7 (50 ref.) **(Ger)**

DYES, HAIR see **HAIR DYES**

DYNEIN

PHYSIOLOGY

Functional diversity of dyneins. Piperno G. **Cell Motil Cytoskeleton** 1990;17(3):147–9 (19 ref.)

ULTRASTRUCTURE

STEM analysis of the dynein ATPase. Marchese-Ragona SP, et al. **Electron Microsc Rev** 1988;1(1):141–53 (38 ref.)

DYNORPHIN

PHARMACOLOGY

Pharmacology of spinal peptides affecting sensory and motor functions: dynorphins, somatostatins and tachykinins. Spampinato S, et al. **Pharmacol Res** 1991 Feb;23(2):113–27 (113 ref.)

DYSAUTONOMIA see **AUTONOMIC NERVOUS SYSTEM DISEASES**

DYSBETALIPOPROTEINEMIA see **HYPERLIPOPROTEINEMIA TYPE III**

DYSCHONDROPLASIAS see **OSTEOCHONDRODYSPLASIAS**

DYSEMBRYOMA see **TERATOMA**

DYSENTERY

EPIDEMIOLOGY

The epidemiologic importance of dysentery in communities. Henry FJ. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S238–44 (24 ref.)

ETHNOLOGY

Use of social science research to improve epidemiologic studies of and interventions for diarrhea and dysentery. Nichter M. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S265–71 (33 ref.)

MICROBIOLOGY

Spirochetal dysentery: a case report and review of literature. Singh S, et al. **Trop Gastroenterol** 1990 Jul–Sep;11(3):152–7 (22 ref.)

DYSENTERY, BACILLARY

COMPLICATIONS

Potentially lethal complications of shigellosis. Bennish ML. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S319–24 (51 ref.)

DIAGNOSIS

Intestinal manifestations of invasive diarrheas and their diagnosis. Mathan VI, et al. **Rev Infect Dis** 1991 Mar–Apr; 13 Suppl 4:S311–3 (9 ref.)

DRUG THERAPY

Response to antimicrobial therapy for shigellosis in Thailand. Lolekha S, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S342–6 (14 ref.)

Antimicrobial therapy for shigellosis. Salam MA, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S332–41 (109 ref.)

EPIDEMIOLOGY

Shigellosis in Vietnam: seroepidemiologic studies with use of lipopolysaccharide antigens in enzyme immunoassays. Lindberg AA, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S231–7 (23 ref.)

Epidemiologic aspects of shigellosis and other causes of dysentery in Thailand. Taylor DN, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S226–30 (28 ref.)

ETIOLOGY

Microbiological methods and plasmid pattern analysis in epidemiological control of Shigella sonnei infections. Bratoeva MP. **Microbiol Sci** 1986 Jul;3(7):216–9 (32 ref.)

METABOLISM

Shiga toxin: intestinal cell receptors and pathophysiology of enterotoxic effects. Keusch GT, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S304–10 (26 ref.)

MICROBIOLOGY

Microbiology and diagnosis of infections with Shigella and enteroinvasive Escherichia coli. Echeverria P, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S220–5 (44 ref.)

The lipopolysaccharide of Shigella bacteria as a virulence factor. Lindberg AA, et al. **Rev Infect Dis** 1991 Mar–Apr; 13 Suppl 4:S279–84 (30 ref.)

Genetic and molecular basis of epithelial cell invasion by Shigella species. Sansonetti PJ. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S285–92 (46 ref.)

MORTALITY

Mortality due to shigellosis: community and hospital data. Bennish ML, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S245–51 (46 ref.)

PATHOLOGY

[Current views on the pathomorphology and pathogenesis of dysentery] Polotskiĭ IuE, et al. **Arkh Patol** 1990; 52(10):67–72 (57 ref.) (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

O-specific side-chain toxin-protein conjugates as parenteral vaccines for the prevention of shigellosis and related diseases. Robbins JB, et al. **Rev Infect Dis** 1991 Mar–Apr; 13 Suppl 4:S362–5 (44 ref.)

PSYCHOLOGY

Social and behavioral factors in transmission and response to shigellosis. Kunstadter P. **Rev Infect Dis** 1991 Mar–Apr; 13 Suppl 4:S272–8 (26 ref.)

DYSGAMMAGLOBULINEMIA

[Selective deficiency of IgA] Antela López A, et al. **An Med Interna** 1990 Apr;7(4):198–202 (101 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

IgG subclass deficiency. Preud'homme JL, et al. **Immunodefic Rev** 1990;2(2):129–49 (106 ref.)

IMMUNOLOGY

IgG subclass deficiency: a personal viewpoint. Morell A. **Pediatr Infect Dis J** 1990 Aug;9(8 Suppl):S4–8 (46 ref.)

[Deficiency of IgG subclasses] Harnoy C, et al. **Harefuah** 1989 Sep;117(5–6):152–4 (27 ref.) **(Heb)**

DYSGERMINOMA

[Pure primary retroperitoneal seminoma in a woman. Apropos of a case] Fignon A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1990;19(7):845–50 (10 ref.) (Eng. Abstr.) **(Fre)**

[Combination of malignant tumors of the genitourinary system in the same patient: testicular seminoma, renal adenocarcinoma and adenocarcinoma of the prostate] Lioy Lupis MT, et al. **Arch Esp Urol** 1991 Jan–Feb;44(1):73–5 (12 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Brainstem germinoma presenting as intermittent apnoea: a rare entity: report of one patient and review of literature. Poungvarin N, et al. **J Med Assoc Thai** 1991 Jan;74(1):55–60 (12 ref.)

DIAGNOSIS

Central nervous system germinomas. A review. Horowitz MB, et al. **Arch Neurol** 1991 Jun;48(6):652–7 (65 ref.)

DRUG THERAPY

[Intra-arterial chemotherapy with cis-diamminedichloroplatinum (CDDP) for primary mediastinal seminoma] Kuritsuka H, et al. **Nippon Gan Chiryo Gakkai Shi** 1990 Nov 20;25(11):2711–6 (14 ref.) (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Gonadal malignancy in individuals with sex chromosome anomalies. Müller J, et al. **Birth Defects** 1990;26(4):247–55 (25 ref.)

Urological manifestations of HIV-related disease. A case of AIDS-associated testicular seminoma, Kaposi's sarcoma and possible intracranial lymphoma. Green ST, et al. **Br J Urol** 1991 Feb;67(2):188–90 (25 ref.)

Risk factors for bilateral testicular germ cell tumors. Does heredity play a role? Kratzik C, et al. **Cancer** 1991 Aug

15;68(4):916–21 (62 ref.)

PATHOLOGY

[Testicular germ cell tumor—pathogenetic aspects] Erichsen A. **Tidsskr Nor Laegeforen** 1991 Feb 20;111(5):585–6 (26 ref.) (Eng. Abstr.) **(Nor)**

RADIOGRAPHY

Radiologic staging of chest in testicular seminoma. Steinfeld AD, et al. **Urology** 1990 Nov;36(5):428–30 (14 ref.)

RADIOTHERAPY

Radiation therapy of early (stages I and II–A) seminoma of testis after initial orchiectomy. Sinha PP, et al. **Urology** 1990 Nov;36(5):390–4 (20 ref.)

SECONDARY

[Multiple liver metastases of a suprasellar germ cell tumor treated with combined chemotherapy of cisplatin and etoposide] Adachi J, et al. **No Shinkei Geka** 1991 Jul; 19(7):671–5 (16 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Inadequate scrotal incision in testicular neoplasms: review of literature and report of three cases. Murshidi MS. **Acta Urol Belg** 1990;58(3):163–9 (11 ref.)

THERAPY

Consensus statement on the investigation and management of testicular seminoma 1989. Thomas G, et al. **Prog Clin Biol Res** 1990;357:285–94 (19 ref.)

Progress and controversies in the management of seminoma. Thomas G. **Prog Clin Biol Res** 1990;357:217–24 (20 ref.)

[Two cases of spermatocytic seminoma] Hori T, et al. **Hinyokika Kiyo** 1991 Feb;37(2):187–90 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Germinal tumors of the testis. A caseload and review of the literature] Armora Mani J, et al. **Actas Urol Esp** 1990 Sep–Oct;14(5):319–24 (20 ref.) (Eng. Abstr.) **(Spa)**

ULTRASONOGRAPHY

Gonadoblastoma in an anatomically normal man: a case report and literature review. Chapman WH, et al. **J Urol** 1990 Dec;144(6):1472–4 (11 ref.)

DYSKINESIA see **MOVEMENT DISORDERS**

DYSKINESIA, DRUG-INDUCED

COMPLICATIONS

Tardive dyskinesia in bipolar disorders: possible role of pineal melatonin. Sandyk R. **Int J Neurosci** 1990 Jun; 52(3–4):233–8 (56 ref.)

DRUG THERAPY

Vigabatrin. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in epilepsy and disorders of motor control. Grant SM, et al. **Drugs** 1991 Jun;41(6):889–926 (159 ref.)

ETIOLOGY

Dystonia—a potential psychiatric pitfall [see comments] Owens DG. **Br J Psychiatry** 1990 May;156:620–34 (110 ref.) Comment in: Br J Psychiatry 1991 Mar;158:436.

Tardive dyskinesia: legal and preventive aspects [see comments] Shriqui CL, et al. **Can J Psychiatry** 1990 Oct; 35(7):576–80 (56 ref.) Comment in: Can J Psychiatry 1990 Oct;35(7):573–4.

Melanocyte-stimulating hormone and persistent tardive dyskinesia: a hypothesis. Sandyk R. **Int J Neurosci** 1990 Mar;51(1–2):45–52 (59 ref.)

Drug-induced and tardive movement disorders. Vernon GM. **J Neurosci Nurs** 1991 Jun;23(3):183–7 (16 ref.)

Domperidone-induced acute dystonia and polycystic ovary syndrome. Bonuccelli U, et al. **Mov Disord** 1991;6(1):79–81 (29 ref.)

Neuroleptic drug-induced extrapyramidal syndromes and tardive dyskinesia. Casey DE. **Schizophr Res** 1991 Mar–Apr;4(2):109–20 (70 ref.)

Tardive dyskinesia. Casey DE. **West J Med** 1990 Nov; 153(5):535–41 (47 ref.)

[Patient education concerning late hyperkineses] Helmchen H. **Nervenarzt** 1991 May;62(5):265–8 (19 ref.) **(Ger)**

[Tardive dyskinesia. A possible complication of chronic treatment with neuroleptics] D'Aquila F, et al. **Riv Neurol** 1990 Jul–Aug;60(4):140–5 (79 ref.) (Eng. Abstr.) **(Ita)**

[Biological effects of exposure to acrylamide] Dobrzyńska MM, et al. **Rocz Panstw Zakl Hig** 1990;41(5–6):209–15 (43 ref.) (Eng. Abstr.) **(Pol)**

[Pharmacology-biochemistry and physiopathology of tardive dyskinesia: review of the latest findings and controversies] Gómez-Galera A. **Arch Biol Med Exp (Santiago)** 1988 Jun; 21(1):65–9 (35 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Atypical neuroleptics: role of multiple receptors, endogenous dopamine, and receptor linkage. Seeman P. **Acta Psychiatr Scand Suppl** 1990;358:19–20 (72 ref.)

Current views on tardive dyskinesia. Gerlach J. **Pharmacopsychiatry** 1991 Mar;24(2):47–8 (3 ref.)

RADIOGRAPHY

Computed tomographic evaluation of patients with tardive dyskinesia. Hoffman WF, et al. **Schizophr Res** 1991 Jul–Aug;5(1):1–12 (56 ref.)

THERAPY

ECT and tardive dyskinesia. Hay DP, et al. **J Geriatr Psychiatry Neurol** 1990 Apr–Jun;3(2):106–9 (23 ref.)

[Tardive dyskinesia in long-term treatment with neuroleptics—review of the literature and personal experience with its therapy] Ceśková E, et al. **Cesk Psychiatr** 1990 Aug;86(4):269–74 (15 ref.) **(Cze)**

DYSKINESIA, TARDIVE see **DYSKINESIA, DRUG-INDUCED**

DYSLEXIA

DIAGNOSIS

The continuum of linguistic dysfunction from pervasive developmental disorders to dyslexia. Beitchman JH, et al. **Psychiatr Clin North Am** 1991 Mar;14(1):95–111 (111 ref.)

ETIOLOGY

Developmental reading disorders. Snowling MJ. **J Child Psychol Psychiatry** 1991 Jan;32(1):49–77 (100 ref.)

[Eye movements during normal reading and in dyslexia—review of the literature] Ygge J. **Lakartidningen** 1990 Oct 3;87(40):3183–7 (41 ref.) **(Swe)**

PHYSIOPATHOLOGY

[Dyslexia, a serious disability] Lennerstrand G, et al. **Lakartidningen** 1990 Aug 29;87(35):2673–6 (15 ref.) **(Swe)**

THERAPY

A review of the use of Irlen (tinted) lenses. Cotton MM, et al. **Aust N Z J Ophthalmol** 1990 Aug;18(3):307–12 (26 ref.)

DYSLEXIA, ACQUIRED

ETIOLOGY

[Visuo-constructional disorders and alexia-agraphia associated with posterior cortical atrophy] Croisile B, et al. **Rev Neurol (Paris)** 1991;147(2):138–43 (31 ref.) (Eng. Abstr.) **(Fre)**

[Eye movements during normal reading and in dyslexia—review of the literature] Ygge J. **Lakartidningen** 1990 Oct 3;87(40):3183–7 (41 ref.) **(Swe)**

PATHOLOGY

Two posterior neuropsychological syndromes revisited. Walsh KW. **Tohoku J Exp Med** 1990 Aug;161 Suppl:121–30 (69 ref.)

PHYSIOPATHOLOGY

Lesioning an attractor network: investigations of acquired dyslexia. Hinton GE, et al. **Psychol Rev** 1991 Jan; 98(1):74–95 (85 ref.)

DYSLEXIA, CONGENITAL see **DYSLEXIA**

DYSLEXIA, DEVELOPMENTAL see **DYSLEXIA**

DYSMENORRHEA

Premenstrual syndrome, dysmenorrhea, and menorrhagia. Vaughn BM, et al. **Curr Opin Obstet Gynecol** 1989 Dec; 1(2):212–5 (9 ref.)

DRUG THERAPY

The use of calcium channel blockers in obstetrics and gynecology; a review. Fenakel K, et al. **Eur J Obstet Gynecol Reprod Biol** 1990 Dec;37(3):199–203 (41 ref.)

[Piroxicam in analgesia] Eandi M, et al. **Clin Ter** 1991 Jan 31;136(2):107–35 (52 ref.) (Eng. Abstr.) **(Ita)**

DYSMYELOPOIETIC SYNDROMES see **MYELODYSPLASTIC SYNDROMES**

DYSOSTOSES

GENETICS

[Acrodysostosis in a sister and brother born to normal parents] Taillet-Bellemère C, et al. **Ann Pediatr (Paris)** 1991 Jan;38(1):31–6 (29 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Cubonavicular coalition. Palladino SJ, et al. **J Am Podiatr Med Assoc** 1991 May;81(5):262–6 (12 ref.)

DYSOSTOSIS, CLEIDOCRANIAL see **CLEIDOCRANIAL DYSPLASIA**

DYSOSTOSIS, CRANIOFACIAL see **CRANIOFACIAL DYSOSTOSIS**

DYSPAREUNIA

ETIOLOGY

Dyspareunia. Tracing the cause. DeWitt DE. **Postgrad Med** 1991 Apr;89(5):67–8, 70, 73 (17 ref.)

DYSPEPSIA

Non-ulcer dyspepsia: myths and realities. Talley NJ. **Aliment Pharmacol Ther** 1991;5 Suppl 1:145–62 (133 ref.)

[Dyspeptic syndrome. Aspects of physiopathology, clinical features and pharmacological and hydrologic therapy] Grassi M, et al. **Clin Ter** 1991 May 15;137(3):199–208 (72 ref.) (Eng. Abstr.) **(Ita)**

CLASSIFICATION

Definitions of dyspepsia. Heading RC. **Scand J Gastroenterol Suppl** 1991;182:1–6 (25 ref.)

DIAGNOSIS

Spectrum of chronic dyspepsia in the presence of the irritable bowel syndrome. Talley NJ. **Scand J Gastroenterol Suppl** 1991;182:7–10 (22 ref.)

[Chronic dyspepsia] Sielaff F. **Z Arztl Fortbild (Jena)** 1990; 84(16):805–9 (29 ref.) **(Ger)**

DRUG THERAPY

Therapeutic trial in dyspepsia: its role in the primary care setting. Nyrén O. **Scand J Gastroenterol Suppl** 1991; 182:61–9 (59 ref.)

Drug treatment of functional dyspepsia. Talley NJ. **Scand J Gastroenterol Suppl** 1991;182:47–60 (115 ref.)

[Drug therapy of non-ulcer dyspepsia] Bytzer P. **Ugeskr Laeger** 1991 Aug 5;153(32):2212–6 (30 ref.) (Eng. Abstr.) **(Dan)**

[Pro-kinetic agents. Developments and indications] Layer P. **Z Gastroenterol Verh** 1991 Mar;26:157–8 (19 ref.) **(Ger)**

EPIDEMIOLOGY

Geographical differences in the prevalence of dyspepsia. Knill-Jones RP. **Scand J Gastroenterol Suppl** 1991; 182:17–24 (47 ref.)

ETIOLOGY

Therapeutic trial in dyspepsia: its role in the primary care setting. Nyrén O. **Scand J Gastroenterol Suppl** 1991; 182:61–9 (59 ref.)

Dyspepsia: organic causes and differential characteristics from functional dyspepsia. Richter JE. **Scand J Gastroenterol Suppl** 1991;182:11–6 (28 ref.)

Is gastroduodenitis a cause of chronic dyspepsia? Tytgat GN, et al. **Scand J Gastroenterol Suppl** 1991;182:33–9 (55 ref.)

MICROBIOLOGY

[Helicobacter pylori] Kjøller M. **Nord Med** 1990; 105(11):299–300 (30 ref.) (Eng. Abstr.) **(Dan)**

PHYSIOPATHOLOGY

Gastrointestinal motor disturbances in functional dyspepsia. Malagelada JR. **Scand J Gastroenterol Suppl** 1991;182:29–32 (23 ref.)

Secretory abnormalities in functional dyspepsia. Nyrén O. **Scand J Gastroenterol Suppl** 1991;182:25–8 (41 ref.)

Dyspepsia: organic causes and differential characteristics from functional dyspepsia. Richter JE. **Scand J Gastroenterol Suppl** 1991;182:11–6 (28 ref.)

[Physiopathological approach to non-ulcerative dyspepsia: clinical consequences] Jian R, et al. **Schweiz Med Wochenschr** 1991 May 18;121(20):713–5 (12 ref.) (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Non-ulcer dyspepsia. Morris C. **J Psychosom Res** 1991; 35(2–3):129–40 (89 ref.)

Stress and psychologic and environmental factors in functional dyspepsia. Richter JE. **Scand J Gastroenterol Suppl** 1991;182:40–6 (35 ref.)

DYSPHAGIA see **DEGLUTITION DISORDERS**

DYSPHASIA see **APHASIA**

DYSPHONIA see **VOICE DISORDERS**

DYSPLASIA EPIPHYSIALIS PUNCTATA see **CHONDRODYSPLASIA PUNCTATA**

DYSPLASTIC NEVUS SYNDROME

An appraisal of the dysplastic nevus syndrome concept. Piepkorn MW. **Adv Dermatol** 1991;6:35–55; discussion 56 (50 ref.)

An exchange of ideas about dysplastic nevi and malignant melanomas. Ackerman AB, et al. **Am J Dermatopathol** 1985;7 Suppl:99–105 (0 ref.)

Some observations, reflections, and questions about dysplastic nevi [editorial] Dixon SL, et al. **Am J Dermatopathol** 1985; 7 Suppl:A17–25 (69 ref.)

The dysplastic nevus syndrome. 1985 status report. Greene MH. **Am J Dermatopathol** 1985;7 Suppl:117–21 (57 ref.)

Important melanocytic lesions in childhood and adolescence. Roth ME, et al. **Pediatr Clin North Am** 1991 Aug; 38(4):791–809 (149 ref.)

DIAGNOSIS

[The dysplastic nevus] Follert R. **Wien Klin Wochenschr** 1991;103(9):274–8 (36 ref.) **(Ger)**

GENETICS

Cytogenetic analysis in melanoma and nevi. Cowan JM, et al. **Cancer Treat Res** 1991;54:3–16 (48 ref.)

PATHOLOGY

A medical and genetic critique of the familial atypical multiple mole melanoma syndrome and the dysplastic nevus syndrome. Lynch HT, et al. **Am J Dermatopathol** 1985;7 Suppl:107–16 (21 ref.)

The histopathology of dysplastic nevi. Continued controversy. Roth ME, et al. **Am J Dermatopathol** 1991 Feb;13(1):38–51 (33 ref.)

Dysplastic nevus syndrome: a review. DeSpain JD, et al. **Mo Med** 1991 Feb;88(2):84–90 (24 ref.)

THERAPY

The dysplastic nevus and its clinical management. Crutcher WA. **Adv Dermatol** 1988;3:187–203 (58 ref.)

DYSPNEA

DIAGNOSIS

[Quantitative measurement of dyspnea] Chonan T. **Kokyu To Junkan** 1990 Oct;38(10):963–9 (40 ref.) **(Jpn)**

ETIOLOGY

Masqueraders in clinical allergy: laryngeal dysfunction causing dyspnea [published erratum appears in Ann Allergy 1991 Jan;66(1):22] O'Hollaren MT. **Ann Allergy** 1990 Nov; 65(5):351–6 (27 ref.)

Unexplained chest pain and breathlessness. Bass C. **Med Clin North Am** 1991 Sep;75(5):1157–73 (63 ref.)

[Respiratory distress and its treatment in the cancer patient] Sculier JP. **Rev Med Brux** 1990 Dec;11(10):513–21 (50 ref.) (Eng. Abstr.) **(Fre)**

NURSING

Dyspnea. Gift AG. **Nurs Clin North Am** 1990 Dec; 25(4):955–65 (55 ref.)

PHYSIOPATHOLOGY

Dyspnea: a sensory experience. Schwartzstein RM, et al. **Lung** 1990;168(4):185–99 (90 ref.)

THERAPY

[Breathlessness of the elderly and its managements] Fukushima Y. **Nippon Ronen Igakkai Zasshi** 1990 Sep; 27(5):550–4 (10 ref.) (Eng. Abstr.) **(Jpn)**

DYSSOCIAL BEHAVIOR see **ANTISOCIAL PERSONALITY DISORDER**

DYSTHYMIC DISORDER see **DEPRESSIVE DISORDER**

DYSTOCIA

Shoulder dystocia. Carlan SJ, et al. **Am Fam Physician** 1991 Apr;43(4):1307–11 (16 ref.)

Shoulder dystocia. Hernandez C, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):526–34 (36 ref.)

Dystocias, cesarean section, and puerperium. Hayashi RH. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):172–6 (26 ref.)

ETIOLOGY

[Fetal shoulder dystocia] Chernukha EA, et al. **Akush Ginekol (Mosk)** 1991 May;(5):11–3 (41 ref.) **(Rus)**

DYSTONIA

CHEMICALLY INDUCED

Domperidone-induced acute dystonia and polycystic ovary syndrome. Bonuccelli U, et al. **Mov Disord** 1991;6(1):79–81 (29 ref.)

COMPLICATIONS

Dystonia in Parkinson's disease, multiple system atrophy, and progressive supranuclear palsy. Rivest J, et al. **Neurology** 1990 Oct;40(10):1571–8 (93 ref.)

DRUG THERAPY

New approaches in the treatment of the dystonias. Diederich N, et al. **Klin Wochenschr** 1990 Oct 3;68(19):935–41 (78 ref.)

Antimuscarinic drugs in the treatment of movement disorders. Fahn S, et al. **Prog Brain Res** 1990;84:389–97 (44 ref.)

ETIOLOGY

Dystonia--a potential psychiatric pitfall [see comments] Owens DG. **Br J Psychiatry** 1990 May;156:620–34 (110 ref.) Comment in: Br J Psychiatry 1991 Mar;158:436.

GENETICS

[Hereditary parkinsonism-dystonia syndrome of juvenile onset with diurnal fluctuations] Destée A, et al. **Rev Neurol (Paris)** 1991;147(3):220–4 (23 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

[Three siblings with type 3 GM1-gangliosidosis--pathophysiology of dystonia and MRI findings] Uyama E, et al. **Rinsho Shinkeigaku** 1990 Aug;30(8):819–27 (19 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Facial dystonia, essential blepharospasm and hemifacial spasm. Holds JB, et al. **Am Fam Physician** 1991 Jun; 43(6):2113–20 (13 ref.)

DYSTROPHIA BREVICOLLIS CONGENITA see **KLIPPEL-FEIL SYNDROME**

DYSTROPHIA MYOTONICA see **MYOTONIA ATROPHICA**

DYSTROPHIN

GENETICS

Duchenne's muscular dystrophy: review and recent scientific findings. Evans BK, et al. **Am J Med Sci** 1991 Aug; 302(2):118–23 (48 ref.)

Duchenne and Becker muscular dystrophies: genetics, prenatal diagnosis, and future prospects. Bieber FR, et al. **Clin Perinatol** 1990 Dec;17(4):845–65 (53 ref.)

[Pathobiogenetic concept of Duchenne muscular dystrophy following the discovery of dystrophin as the deficient protein] Kunze D, et al. **Z Med Lab Diagn** 1991; 32(3–4):141–6 (15 ref.) **(Ger)**

E-B VIRUS see **EPSTEIN-BARR VIRUS**

E-CADHERINS see **CADHERINS**

EAR

ABNORMALITIES

Rokitansky sequence in association with the facio-auriculo-vertebral sequence: part of a mesodermal malformation spectrum? Wulfsberg EA, et al. **Am J Med Genet** 1990 Sep;37(1):100–2 (18 ref.)

Congenital malformations of the ear. Petasnick JP. **Otolaryngol Clin North Am** 1973 Jun;6(2):413–28 (24 ref.)

EMBRYOLOGY

Prenatal and perinatal risks of hearing loss. Gerhardt KJ. **Semin Perinatol** 1990 Aug;14(4):299–304 (46 ref.)

INJURIES

Trauma of the ear. Potter GD. **Otolaryngol Clin North Am** 1973 Jun;6(2):401–12 (4 ref.)

EAR CANAL

Carcinoma of the external auditory canal: an update. Shih L, et al. **Laryngoscope** 1990 Nov;100(11):1215–8 (7 ref.)

[Exostosis of the external auditory canal: clinical and therapeutic aspects] Portmann D, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991;112(3):231–5 (20 ref.) (Eng. Abstr.) **(Fre)**

ABNORMALITIES

Atresia of the external auditory canal. Parrish KL, et al. **J La State Med Soc** 1990 Sep;142(9):9–12 (7 ref.)

Surgical approaches to congenital atresia of the external auditory canal. Molony TB, et al. **Otolaryngol Head Neck Surg** 1990 Dec;103(6):991–1001 (12 ref.)

PATHOLOGY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the auditory sebaceous glands. Pliss GB. **IARC Sci Publ** 1990;(99):37–46 (33 ref.)

PHYSIOLOGY

The migratory capacity of the external auditory canal epithelium. A critical minireview. Broekaert D. **Acta Otorhinolaryngol Belg** 1990;44(4):385–92 (42 ref.)

PHYSIOPATHOLOGY

A review of otoacoustic emissions. Probst R, et al. **J Acoust Soc Am** 1991 May;89(5):2027–67 (250 ref.)

EAR CARTILAGES

[Cystic chondromalacia of the auricle. A case report. Review of the literature] Labbé D, et al. **Ann Chir Plast Esthet** 1991;36(1):71–4 (8 ref.) (Eng. Abstr.) **(Fre)**

EAR DISEASES

CHEMICALLY INDUCED

[Ototoxicity] de Oliveira JA. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(5):491–6 (43 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Otologic pathophysiology in patients with human immunodeficiency virus. Rarey KE. **Am J Otolaryngol** 1990 Nov-Dec;11(6):366–9 (31 ref.)

Old theme and new reflections: hearing impairment associated with endolymphatic hydrops. Horner KC. **Hear Res** 1991 Mar;52(1):147–56 (50 ref.)

CONGENITAL

Bilateral congenital cholesteatomas associated with ossicular anomalies: a case report. Suetake M, et al. **Am J Otol** 1991 Mar;12(2):132–4 (15 ref.)

DIAGNOSIS

Cholesteatomatous otitis media. Black B. **Aust Fam Physician** 1991 Jun;20(6):806–8, 810, 812 (4 ref.)

The temporal bone: imaging considerations. Swartz JD. **Crit Rev Diagn Imaging** 1990;30(4):341–417 (68 ref.)

[Amyloidosis in the ear, nose and throat] Sawaki S. **Nippon Rinsho** 1991 Apr;49(4):931–4 (10 ref.) **(Jpn)**

DRUG THERAPY

Topical ophthalmologics in otology. Hoffman RA, et al. **Ear Nose Throat J** 1991 Apr;70(4):201–5 (13 ref.)

[Ramsay Hunt syndrome. Effects of the treatment with acyclovir (preliminary study)] Ramos Macías A, et al. **Acta Otorrinolaringol Esp** 1990 Nov-Dec;41(6):387–91 (22 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Facial nerve and medially invasive petrous bone cholesteatomas. Bartels LJ. **Ann Otol Rhinol Laryngol** 1991 Apr;100(4 Pt 1):308–16 (12 ref.)

Cervicoauricular fistula. Verma A, et al. **Ear Nose Throat J** 1990 Dec;69(12):826–8 (11 ref.)

PHYSIOPATHOLOGY

Acoustic reflex measures in audiologic evaluation. Margolis RH, et al. **Otolaryngol Clin North Am** 1991 Apr; 24(2):329–47 (43 ref.)

RADIOGRAPHY

Tomographic evaluation of cholesteatomas of the middle ear and mastoid. Buckingham RA, et al. **Otolaryngol Clin North Am** 1973 Jun;6(2):363–78 (5 ref.)

SURGERY

Long-term results of various surgical treatments for cholesteatoma. Gersdorff M, et al. **Acta Otorhinolaryngol Belg** 1990;44(4):393–8 (28 ref.)

[Pathogenesis and prevention of recurrent cholesteatoma following closed tympanoplasty] Zini C, et al. **Acta Otorhinolaryngol Belg** 1991;45(1):43–9 (31 ref.) (Eng. Abstr.) **(Fre)**

[Tympanoplasty in the treatment of sequelae of blast injuries of the ear] Poncet JL, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(6):366–70 (14 ref.) (Eng. Abstr.) **(Fre)**

[Improvement of hearing function through ear reoperation. The role of tympanic revision for functional indications] Hildmann H. **HNO** 1991 Feb;39(2):43–7 (17 ref.) (Eng. Abstr.) **(Ger)**

[Auricular hematoma--case report of ruptured othematoma and bibliographic review] Yamasoba T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1990 Dec;93(12):2028–37 (46 ref.) (Eng. Abstr.) **(Jpn)**

EAR, EXTERNAL

Pseudocyst of the auricle. Case report and world literature review [see comments] Cohen PR, et al. **Arch Otolaryngol Head Neck Surg** 1990 Oct;116(10):1202–4

(18 ref.) Comment in: Arch Otolaryngol Head Neck Surg 1991 Mar;117(3):341.
[Current diagnostic imaging in the study of the ear] Ettorre GC. **Radiol Med (Torino)** 1990 Nov;80(5):688–95 (36 ref.) **(Ita)**

ABNORMALITIES

[Conservative correction of congenital deformities of the auricle] Bernal-Sprekelsen M, et al. **Laryngorhinootologie** 1990 Nov;69(11):581–5 (34 ref.) (Eng. Abstr.) **(Ger)**

INJURIES

Injuries of the external ear. Templer J, et al. **Otolaryngol Clin North Am** 1990 Oct;23(5):1003–18 (20 ref.)
[Auricular hematoma—case report of ruptured othematoma and bibliographic review] Yamasoba T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1990 Dec;93(12):2028–37 (46 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Ear reconstruction with local flaps. Mellette JR Jr. **J Dermatol Surg Oncol** 1991 Feb;17(2):176–82 (6 ref.)

EAR, INTERNAL see **LABYRINTH**

EAR, MIDDLE

see related
ACOUSTIC IMPEDANCE TESTS

Update on middle ear disease. **Allergy Proc** 1991 May–Jun; 12(3):159–62 (23 ref.)
Cholesteatoma: recognition and management. McKennan KX. **Am Fam Physician** 1991 Jun;43(6):2091–6 (8 ref.)
Congenital middle ear encephalocele initially seen with facial paresis. Uri N, et al. **Head Neck** 1991 Jan–Feb;13(1):62–7 (24 ref.)
Perilymph fistula. Wilcox TO Jr, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1990;42:989–97 (59 ref.)
[Benign adenoma of the middle ear] Thomassin JM, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(4):244–7 (6 ref.) (Eng. Abstr.) **(Fre)**
[Current diagnostic imaging in the study of the ear] Ettorre GC. **Radiol Med (Torino)** 1990 Nov;80(5):688–95 (36 ref.) **(Ita)**
[Pure tympanicum chemodectoma. Personal experience and review of the literature] Scazzeri F, et al. **Radiol Med (Torino)** 1991 Jun;81(6):918–21 (16 ref.) **(Ita)**
[The blue tympanum] Stefaniu A, et al. **Otorinolaringologie** 1967 Jan–Mar;12(1):61–8 (15 ref.) **(Rum)**

ABNORMALITIES

Congenital middle ear anomalies. Sando I, et al. **Otolaryngol Clin North Am** 1971 Jun;4(2):291–318 (103 ref.)

BLOOD SUPPLY

[Vascular pathology of the temporal bone] Trujillo M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(5):443–51 (50 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Immunologic reactivity in the middle ear in otitis media with effusion. Bernstein JM. **Otolaryngol Clin North Am** 1991 Aug;24(4):845–58 (42 ref.)

PATHOLOGY

Inflammatory disease of the anterior epitympanum. Collins ME, et al. **Am J Otol** 1991 Jan;12(1):11–5 (11 ref.)
Temporal bone involvement by prostatic adenocarcinoma: report of two cases and review of the literature. Sahin AA, et al. **Head Neck** 1991 Jul–Aug;13(4):349–54 (24 ref.)

PHYSIOPATHOLOGY

Middle ear inflammatory mediators and cochlear function. Morizono T, et al. **Otolaryngol Clin North Am** 1991 Aug; 24(4):835–43 (41 ref.)

RADIOGRAPHY

Tomographic evaluation of cholesteatomas of the middle ear and mastoid. Buckingham RA, et al. **Otolaryngol Clin North Am** 1973 Jun;6(2):363–78 (5 ref.)

SURGERY

Hypotensive anesthesia for microsurgery of the middle ear—a review. Khan FM. **Middle East J Anesthesiol** 1990 Jun; 10(5):507–17 (18 ref.)
[Improvement of hearing function through ear reoperation. The role of tympanic revision for functional indications] Hildmann H. **HNO** 1991 Feb;39(2):43–7 (17 ref.) (Eng. Abstr.) **(Ger)**
[Infantile cholesteatoma] Giménez Vaíllo F, et al. **Acta Otorrinolaringol Esp** 1990 Jul–Aug;41(4):217–21 (37 ref.) (Eng. Abstr.) **(Spa)**

EAR MOLDS see **HEARING AIDS**

EAR NEOPLASMS

Carcinoma of the external auditory canal: an update. Shih L, et al. **Laryngoscope** 1990 Nov;100(11):1215–8 (7 ref.)

DIAGNOSIS

The temporal bone: imaging considerations. Swartz JD. **Crit Rev Diagn Imaging** 1990;30(4):341–417 (68 ref.)

PATHOLOGY

[Benign adenoma of the middle ear] Thomassin JM, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(4):244–7 (6 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Pure tympanicum chemodectoma. Personal experience and review of the literature] Scazzeri F, et al. **Radiol Med (Torino)** 1991 Jun;81(6):918–21 (16 ref.) **(Ita)**

RADIOTHERAPY

[The value of radiotherapy in the treatment of tympano-jugulare chemodectoma. Apropos of 18 cases] Baillet F, et al. **Ann Otolaryngol Chir Cervicofac** 1990; 107(5):315–8 (20 ref.) (Eng. Abstr.) **(Fre)**

SECONDARY

Temporal bone involvement by prostatic adenocarcinoma: report of two cases and review of the literature. Sahin AA, et al. **Head Neck** 1991 Jul–Aug;13(4):349–54 (24 ref.)

SURGERY

Wedge excision of lips and ears. Burke M. **Aust Fam Physician** 1991 Mar;20(3):297–301 (0 ref.)

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the auditory sebaceous glands. Pliss GB. **IARC Sci Publ** 1990;(99):37–46 (33 ref.)

EAR OSSICLES

see related
STAPES SURGERY

ABNORMALITIES

Bilateral congenital cholesteatomas associated with ossicular anomalies: a case report. Suetake M, et al. **Am J Otol** 1991 Mar;12(2):132–4 (15 ref.)
Surgery for congenital stapes ankylosis with an associated congenital ossicular chain anomaly. Teunissen B, et al. **Int J Pediatr Otorhinolaryngol** 1991 May;21(3):217–26 (34 ref.)

EAR PROTECTIVE DEVICES

Occupational hearing conservation. Osguthorpe JD, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):403–14 (26 ref.)

EARLY GENE TRANSCRIPTION see **TRANSCRIPTION, GENETIC**

EARLY PLACENTAL PHASE see **PREGNANCY TRIMESTER, FIRST**

EARLY PROMOTERS see **PROMOTER REGIONS (GENETICS)**

EARTHQUAKES see **NATURAL DISASTERS**

EAST COAST FEVER see **THEILERIASIS**

EATING

Diet-induced thermogenesis. An experimental study in healthy and obese individuals. Thörne A. **Acta Chir Scand Suppl** 1990;558:6–59 (145 ref.)
Manifestations, diagnosis and treatment of fasting and postprandial hypoglycemias. Shah JH. **Acute Care** 1987; 13(4):186–204 (132 ref.)
Relations between smoking, food intake and plasma lipoproteins. Olsson AG, et al. **Adv Exp Med Biol** 1990; 273:237–43 (15 ref.)
A review of the physiological significance of hypertonic body fluids on feed intake and ruminal function: salivation, motility and microbes. Carter RR, et al. **J Anim Sci** 1990 Sep;68(9):2811–32 (161 ref.)
Glucose-induced or postprandial hyperinsulinemia in mild essential hypertension—an underestimated biochemical risk indicator? Singer P, et al. **Med Hypotheses** 1991 Feb; 34(2):157–64 (77 ref.)
Postprandial blood pressure reduction. Jansen RW, et al. **Neth J Med** 1990 Aug;37(1–2):80–8 (70 ref.)
Where's the energy? Variable response to overfeeding. **Nutr Rev** 1991 Feb;49(2):54–6 (14 ref.)
Nutrient intakes in socially disadvantaged groups in Ireland. Lee P. **Proc Nutr Soc** 1990 Jul;49(2):307–21 (63 ref.)
Thermogenesis above maintenance in humans. Norgan NG. **Proc Nutr Soc** 1990 Jul;49(2):217–26 (59 ref.)
Dietary intake and metabolic parameters in adult men during extreme work load. Pařízková J, et al. **World Rev Nutr Diet** 1991;65:72–98 (26 ref.)

DRUG EFFECTS

Effects of intense sweeteners on hunger, food intake, and body weight: a review. Rolls BJ. **Am J Clin Nutr** 1991 Apr;53(4):872–8 (45 ref.)

PHYSIOLOGY

Species-specific changes in the metabolic control of food intake: integrating the animal with its environment. Bartness TJ. **Int J Obes** 1990;14 Suppl 3:115–23; discussion 123–4 (51 ref.)
Transient declines in blood glucose signal meal initiation. Campfield LA, et al. **Int J Obes** 1990;14 Suppl 3:15–31; discussion 31–4 (40 ref.)
Body fat and the metabolic control of food intake. Friedman MI. **Int J Obes** 1990;14 Suppl 3:53–66; discussion 66–7 (54 ref.)
The ischymetric control of feeding. Nicolaïdis S, et al. **Int J Obes** 1990;14 Suppl 3:35–49; discussion 50–2 (29 ref.)
Fibroblast growth factor (FGF) and cytokines as feeding suppressants. Oomura Y. **Int J Obes** 1990;14 Suppl 3:105–12; discussion 112–3 (36 ref.)
Food intake regulation by diet-induced thermogenesis. Rampone AJ, et al. **Med Hypotheses** 1991 Jan;34(1):7–12 (31 ref.)
Neuroendocrine mechanisms involved in regulation of body weight, food intake and metabolism. Steffens AB, et al. **Neurosci Biobehav Rev** 1990 Fall;14(3):305–13 (87 ref.)
Relationship between the concentration of cholecystokinin-like immunoreactivity in plasma and food intake in male rats. Lindén A, et al. **Physiol Behav** 1990 Dec;48(6):859–63 (45 ref.)
Role of CCK in regulation of food intake. Silver AJ, et al. **Prog Neurobiol** 1991;36(1):23–34 (155 ref.)
Ingestion and mastication of feed by dairy cattle. Beauchemin KA. **Vet Clin North Am Food Anim Pract** 1991 Jul; 7(2):439–63 (172 ref.)
[Metabolic regulation of ingestion in monogastric animals] Louis-Sylvestre J. **Reprod Nutr Dev** 1991;31(3):189–203 (79 ref.) (Eng. Abstr.) **(Fre)**
[Mechanisms of postprandial stimulation of gastrointestinal motility and pancreatic secretion] Katschinski M, et al. **Z Gastroenterol** 1991 Apr;29 Suppl 3:13–7 (52 ref.) **(Ger)**
[Food intake and resorption of drugs from the gastrointestinal tract] Walter-Sack I. **Z Gesamte Inn Med** 1991 Mar; 46(4):95–100 (56 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

The phenomenology of food cravings. Weingarten HP, et al. **Appetite** 1990 Dec;15(3):231–46 (109 ref.)
[Psychogenic stimulation of the immune system by nutrition] Bergler R, et al. **Zentralbl Hyg Umweltmed** 1991 Mar; 191(2–3):241–64 (197 ref.) (Eng. Abstr.) **(Ger)**

EATING BEHAVIOR see **FEEDING BEHAVIOR**

EATING DISORDERS

see related
ANOREXIA NERVOSA
OBESITY
THINNESS

Update: eating disorders. King M. **Compr Ther** 1991 Mar; 17(3):35–40 (37 ref.)

ETIOLOGY

Eating disorders as a special problem for persons with insulin-dependent diabetes mellitus. Krakoff DB. **Nurs Clin North Am** 1991 Sep;26(3):707–13 (12 ref.)

NURSING

Eating disorders. Highlights of nursing assessment and therapeutics. Love CC, et al. **Nurs Clin North Am** 1991 Sep;26(3):677–97 (62 ref.)

PHYSIOPATHOLOGY

Serotonin in human eating disorders. Jimerson DC, et al. **Ann N Y Acad Sci** 1990;600:532–44 (99 ref.)
[Pathophysiological changes in eating disorders] Hardoff D. **Harefuah** 1991 Apr 1;120(7):404–8 (40 ref.) **(Heb)**

PREVENTION & CONTROL

The primary prevention role of the nurse in eating disorders. Chitty KK. **Nurs Clin North Am** 1991 Sep;26(3):789–800 (8 ref.)

PSYCHOLOGY

Codependency and the eating-disorder client. Riley EA. **Nurs Clin North Am** 1991 Sep;26(3):765–75 (18 ref.)
Adolescence and eating disorder: the obsessive-compulsive syndrome. Rothenberg A. **Psychiatr Clin North Am** 1990 Sep;13(3):469–88 (78 ref.)

REHABILITATION

Cue exposure and relapse prevention in the treatment of addictive behaviors. Marlatt GA. **Addict Behav** 1990; 15(4):395–9 (10 ref.)

THERAPY

Eating disorders as addictive behavior. Integrating 12-step programs into treatment planning. Riley EA. **Nurs Clin North Am** 1991 Sep;26(3):715–26 (23 ref.)

EATON AGENT see **MYCOPLASMA**

EATON-LAMBERT SYNDROME see **LAMBERT-EATON MYASTHENIC SYNDROME**

EBV see **EPSTEIN-BARR VIRUS**

EC CELLS see **TUMOR STEM CELLS**

EC-IC ARTERIAL BYPASS see **CEREBRAL REVASCULARIZATION**

ECCHYMOSIS

see related
PURPURA

DIAGNOSIS

Difficult pediatric diagnoses. Bruising and bleeding [published erratum appears in Pediatr Clin North Am 1991 Oct;38(5):viii] Manno CS. **Pediatr Clin North Am** 1991 Jun; 38(3):637–55 (31 ref.)

ECCRINE GLANDS

Eccrine syringofibroadenomatous hyperplasia in a patient with bullous pemphigoid: a case report and review of the literature. Nomura K, et al. **Dermatologica** 1991; 182(1):59–62 (14 ref.)

Eccrine sweat gland disorders. Sato K, et al. **J Am Acad Dermatol** 1991 Jun;24(6 Pt 1):1010–4 (0 ref.)

PATHOLOGY

Annular plaques on the dorsa of the hands. Neutrophilic eccrine hidradenitis. Scong VY, et al. **Arch Dermatol** 1991 Sep;127(9):1398–9, 1400–2 (6 ref.)

Epidermotropic eccrine porocarcinoma. Landa NG, et al. **J Am Acad Dermatol** 1991 Jan;24(1):27–31 (18 ref.)

ECDYSONE

PHYSIOLOGY

Puffs and gene regulation--molecular insights into the Drosophila ecdysone regulatory hierarchy. Thummel CS. **Bioessays** 1990 Dec;12(12):561–8 (46 ref.)

ECG see **ELECTROCARDIOGRAPHY**

ECHINOCOCCOSIS

[Hydatidosis of the posterior fossa] Jiménez-Mejías ME, et al. **An Med Interna** 1989 May;6(5):257–9 (22 ref.) (Eng. Abstr.) **(Spa)**

[Splenic cysts] Fernández-Llamazares Rodríguez J, et al. **Rev Quir Esp** 1988 Jul-Aug;15(4):175–8 (15 ref.) (Eng. Abstr.) **(Spa)**

[Hydatid cyst of the fourth ventricle] Gelabert González M, et al. **Rev Quir Esp** 1988 Sep-Oct;15(5):248–9 (10 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

[Cardiac hydatidosis: contribution of magnetic resonance imaging. Report of a case] Vanjak D, et al. **Arch Mal Coeur** 1990 Oct;83(11):1739–42 (10 ref.) (Eng. Abstr.) **(Fre)**

[Intra-orbital hydatid cyst. An uncommon site of hydatidosis. Discussion apropos of a recent case] Le Guerinel C, et al. **Neurochirurgie** 1991;37(3):200–4; discussion 204–5 (21 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Echinococcosis: intramuscular localization. Manes E, et al. **Chir Organi Mov** 1990 Apr-Jun;75(2):189–96 (38 ref.) **(Eng, Ita)**

Myocardial echinococcosis with perforation into the pericardium. Urbanyi B, et al. **J Cardiovasc Surg (Torino)** 1991 Jul-Aug;32(4):534–8 (23 ref.)

Molecular technology: improving strategies for controlling hydatid disease and cysticercosis. McManus DP. **Southeast Asian J Trop Med Public Health** 1990 Jun; 21(2):161–73 (54 ref.)

[Cardiac hydatidosis. Review of recent literature and report of 15 cases] Elkouby A, et al. **Ann Chir** 1990;44(8):603–10 (44 ref.) (Eng. Abstr.) **(Fre)**

[Hydatid cyst of the right ventricle] Elias G, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):865–7 (9 ref.) (Eng. Abstr.) **(Fre)**

[Rare locations of hydatidosis (a case with a mesocolic site)] Bonzi F, et al. **Chir Ital** 1990 Jun-Aug;42(3-4):143–6 (11 ref.) (Eng. Abstr.) **(Ita)**

[Splenic hydatid cyst. A report of 16 cases] Herrera Merino N, et al. **Rev Esp Enferm Dig** 1991 Apr;79(4):254–8 (50 ref.) (Eng. Abstr.) **(Spa)**

EPIDEMIOLOGY

Parasitic zoonoses: selective review of some diseases in South America. Grisi L. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:79–82 (36 ref.)

Echinococcal disease. Krogstad DJ. **Curr Clin Top Infect Dis** 1991;11:52–60 (42 ref.)

[Second review of current status in epidemiology of hydatid cyst in China] Jiang C. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1991 Apr; 12(2):124–7 (35 ref.) **(Chi)**

IMMUNOLOGY

Immunology and molecular biology of Echinococcus infections. Lightowlers MW. **Int J Parasitol** 1990 Jul; 20(4):471–8 (70 ref.)

[Serology of hydatidosis] Gadea I, et al. **Enferm Infecc Microbiol Clin** 1991 Apr;9(4):237–47 (110 ref.) **(Spa)**

PARASITOLOGY

Echinococcus and Giardia: variation on a theme. Thompson RC. **Int J Parasitol** 1991 Jun;21(3):291–7 (40 ref.)

Echinococcus: biology and strain variation. Thompson RC, et al. **Int J Parasitol** 1990 Jul;20(4):457–70 (75 ref.)

RADIOGRAPHY

[Hydatidosis of the cranial vault. Two case reports] Benmoussa H, et al. **Neurochirurgie** 1990;36(3):191–3 (7 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

[For a conservative treatment of hydatid cyst of the spleen] Moumen M, et al. **J Chir (Paris)** 1991 May;128(5):260–2 (15 ref.) (Eng. Abstr.) **(Fre)**

VETERINARY

Echinococcosis as a public health problem. Andrews SJ, et al. **Vet Rec** 1990 Sep 1;127(9):235 (8 ref.)

ECHINOCOCCOSIS, HEPATIC

COMPLICATIONS

[Bilio-bronchial fistula of hydatid origin. Apropos of 8 cases] Moumen M, et al. **J Chir (Paris)** 1991 Apr;128(4):188–92 (27 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Echinococcal cyst of the liver: diagnosis and surgical management. Farmer PM, et al. **Ann Clin Lab Sci** 1990 Nov-Dec;20(6):385–91 (17 ref.)

ETIOLOGY

[Hydatid cysts of the liver appearing late (10 to 22 years) after surgical treatment of pulmonary hydatidosis. Physiopathologic problems] Guntz M, et al. **J Chir (Paris)** 1990 Aug-Sep;127(8-9):375–81 (27 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Improvement of liver resectional therapy by adjuvant chemotherapy in alveolar hydatid disease. Swiss Echinococcosis Study Group (SESG). Ammann RW. **Parasitol Res** 1991;77(4):290–3 (20 ref.)

[Surgical treatment of liver echinococcosis with rupture into bile ducts] Movchun AA, et al. **Khirurgiia (Mosk)** 1991 May;(5):149–56 (76 ref.) **(Rus)**

ULTRASONOGRAPHY

[Strategy in sonographic suspicion of a parasitic disease of the liver (echinococcosis and amebic abscess)] Meyenberger C. **Schweiz Rundsch Med Prax** 1990 Nov 13; 79(46):1399–405 (54 ref.) (Eng. Abstr.) **(Ger)**

ECHINOCOCCOSIS, PULMONARY

[Pulmonary hydatid cyst. Presentation of a case] Guanipa N, et al. **Invest Clin** 1990;31(2):105–13 (25 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

[Hydatid cysts of the liver appearing late (10 to 22 years) after surgical treatment of pulmonary hydatidosis. Physiopathologic problems] Guntz M, et al. **J Chir (Paris)** 1990 Aug-Sep;127(8-9):375–81 (27 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

[Diagnosis and percutaneous treatment of pulmonary hydatid cyst. State of the problem apropos of a case] Goffette P, et al. **J Belge Radiol** 1990 Aug;73(4):259–63 (17 ref.) (Eng. Abstr.) **(Fre)**

ECHINOCOCCUS

GENETICS

Echinococcus and Giardia: variation on a theme. Thompson RC. **Int J Parasitol** 1991 Jun;21(3):291–7 (40 ref.)

GROWTH & DEVELOPMENT

Echinococcus: biology and strain variation. Thompson RC, et al. **Int J Parasitol** 1990 Jul;20(4):457–70 (75 ref.)

IMMUNOLOGY

Immunology and molecular biology of Echinococcus infections. Lightowlers MW. **Int J Parasitol** 1990 Jul; 20(4):471–8 (70 ref.)

[Serology of hydatidosis] Gadea I, et al. **Enferm Infecc Microbiol Clin** 1991 Apr;9(4):237–47 (110 ref.) **(Spa)**

ECHINODERMATA

ANATOMY & HISTOLOGY

Fertilization-induced changes in the vitelline envelope of echinoderm and amphibian eggs: self-assembly of an extracellular matrix. Larabell C, et al. **J Electron Microsc Tech** 1991 Mar;17(3):294–318 (112 ref.)

PHYSIOLOGY

A review of echinoderm oogenesis. Smiley S. **J Electron Microsc Tech** 1990 Oct;16(2):93–114 (182 ref.)

ECHINOPANAX see **GINSENG**

ECHOCARDIOGRAPHY

Isolated right superior vena cava into the left atrium detected by contrast echocardiography. King RE, et al. **Am Heart J** 1991 Aug;122(2):583–6 (14 ref.)

Left atrial ball thrombus: review of clinical and echocardiographic manifestations with suggestions for management. Wrisley D, et al. **Am Heart J** 1991 Jun;121(6 (Pt 1)):1784–90 (24 ref.)

Role of echocardiography in acute myocardial infarction. Feigenbaum H. **Am J Cardiol** 1990 Nov 20;66(18):17H–22H (25 ref.)

Intraoperative echocardiography. Lazar HL, et al. **Ann Thorac Surg** 1990 Dec;50(6):1010–8 (46 ref.)

Dipyridamole-echocardiography test: a new tool for the diagnosis of coronary artery disease. Picano E, et al. **Arq Bras Cardiol** 1990 Mar;54(3):179–87 (61 ref.)

Impending paradoxical embolism: a rare but important diagnosis. Speechly-Dick ME, et al. **Br Heart J** 1991 Mar; 65(3):163–5 (12 ref.)

ACC/AHA guidelines for the clinical application of echocardiography. A report of the American College of Cardiology/American Heart Association Task Force on Assessment of Diagnostic and Therapeutic Cardiovascular Procedures (Subcommittee to Develop Guidelines for the Clinical Application of Echocardiography). **Circulation** 1990 Dec;82(6):2323–45 (199 ref.)

The role of echocardiography in the evaluation of mechanical complications of acute myocardial infarction. Buda AJ. **Circulation** 1991 Sep;84(3 Suppl):I109–21 (76 ref.)

Echocardiographic assessment of prosthetic valves. Nanda NC, et al. **Circulation** 1991 Sep;84(3 Suppl):I228–39 (82 ref.)

Dipyridamole echocardiography. A new diagnostic window on coronary artery disease. Picano E, et al. **Circulation** 1991 May;83(5 Suppl):III19–26 (67 ref.)

Myocardial perfusion by contrast echocardiography. From off-line processing to radio frequency analysis. Rovai D, et al. **Circulation** 1991 May;83(5 Suppl):III97–103 (46 ref.)

The value of echocardiography in mitral valve repair. Stewart WJ, et al. **Cleve Clin J Med** 1991 Mar-Apr; 58(2):177–83 (39 ref.)

Lipomatous hamartoma of the tricuspid valve: echocardiographic-pathologic correlations. Crotty TB, et al. **Clin Cardiol** 1991 Mar;14(3):262–6 (20 ref.)

Echocardiography in the management of patients with suspected or proven endocarditis. Parker JD, et al. **Curr Clin Top Infect Dis** 1991;11:248–66 (42 ref.)

The morphology and function of echocardiography. Lloret JL. **Curr Opin Radiol** 1991 Aug;3(4):519–24 (30 ref.)

The changing role of echocardiography in the evaluation of stroke. Pasquale MJ. **Del Med J** 1991 Apr;63(4):215–20 (11 ref.)

Systolic time intervals. Boudoulas H. **Eur Heart J** 1990 Dec; 11 Suppl I:93–104 (62 ref.)

Is echocardiography an adequate method to evaluate left ventricular hypertrophy regression? Gosse P, et al. **Eur Heart J** 1990 Nov;11 Suppl G:107–12 (23 ref.)

Two-dimensional echocardiographic features of double outlet left ventricle. Bengur AR, et al. **J Am Soc Echocardiogr** 1990 Jul-Aug;3(4):320–5 (24 ref.)

A case of subarachnoid hemorrhage with electrocardiographic and echocardiographic changes simulating transmural myocardial infarction. Yamaguchi T, et al. **Jpn J Med** 1991 Mar-Apr;30(2):142–5 (14 ref.)

Echocardiographic diagnosis of cardiac allograft rejection. Hsu DT, et al. **Prog Cardiovasc Dis** 1990 Nov–Dec; 33(3):149–60 (72 ref.)

Echocardiography in classical tetralogy of Fallot. McConnell ME. **Semin Thorac Cardiovasc Surg** 1990 Jan;2(1):2–11 (33 ref.)

Echocardiography in patients undergoing mitral valve surgery. Stewart WJ, et al. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):194–202 (51 ref.)

[Transesophageal echocardiography—new possibilities of peroperative monitoring of cardiac hemodynamics] Kozáková M, et al. **Vnitr Lek** 1990 Jul;36(7):685–92 (27 ref.) (Eng. Abstr.) **(Cze)**

[Value and limitations of Holter monitoring and electrophysiologic testing in the evaluation of the treatment of sustained monomorphic ventricular tachycardia] Aouate P, et al. **Arch Mal Coeur** 1990 Dec;83(14):2031–7 (28 ref.) (Eng. Abstr.) **(Fre)**

[Echocardiography quantification of mitral valve defects] Seifart C. **Z Gesamte Inn Med** 1990 Sep 1;45(17):499–503 (24 ref.) (Eng. Abstr.) **(Ger)**

[Pericardial effusion—management and diagnosis. I. Echocardiographic diagnosis] Rydlewska-Sadowska W, et al. **Kardiol Pol** 1990 Apr;33(4):271–4 (30 ref.) **(Pol)**

[Left ventricular pressure–diameter and stress–diameter relations in humans. Standardization and critical analysis of the method] Matsubara BB, et al. **Arq Bras Cardiol** 1990 Jun;54(6):373–81 (49 ref.) (Eng. Abstr.) **(Por)**

[Transesophageal echocardiography. General principles and applications] Vargas-Barrón J, et al. **Arch Inst Cardiol Mex** 1990 Jul–Aug;60(4):407–14 (9 ref.) (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Stress echocardiography: ready for routine clinical use? Iliceto S, et al. **Eur Heart J** 1991 Feb;12(2):262–5 (22 ref.)

Measurement of cardiac output by M-mode and two-dimensional echocardiography: application to patients with hypertension. Wallerson DC, et al. **Eur Heart J** 1990 Dec;11 Suppl I:67–78 (54 ref.)

[Progress in clinical cardiology. Echocardiography] Hofmann T, et al. **Med Monatsschr Pharm** 1991 Jan; 14(1):5–18 (0 ref.) **(Ger)**

[The range and prospectives of intravascular echocardiography] Tuccillo B, et al. **G Ital Cardiol** 1990 May;20(5):425–30 (25 ref.) **(Ita)**

METHODS

New perspectives for perfusion imaging in echocardiography. Quiñones A, et al. **Circulation** 1991 May;83(5 Suppl):III104–10 (49 ref.)

Fetal echocardiography: assessment of cardiovascular anatomy and function. Santulli TV Jr. **Clin Perinatol** 1990 Dec;17(4):911–40 (175 ref.)

Transesophageal echocardiography in the intensive care patient. Porembka DT, et al. **Crit Care Med** 1991 Jun; 19(6):826–35 (47 ref.)

Transesophageal echocardiography. Bansal RC, et al. **Curr Probl Cardiol** 1990 Nov;15(11):641–720 (123 ref.)

Fetal echocardiography. Reed KL. **Semin Ultrasound CT MR** 1991 Feb;12(1):2–10 (14 ref.)

[Transesophageal echocardiography. A new cardiologic examination method] Tingleff J, et al. **Ugeskr Laeger** 1991 Jan 21;153(4):269–72 (29 ref.) (Eng. Abstr.) **(Dan)**

[Transesophageal echocardiography: a new view of the heart] Roudaut R, et al. **Presse Med** 1991 Jun 8;20(22):1034–40 (13 ref.) (Eng. Abstr.) **(Fre)**

[Echocardiographic and Doppler echocardiographic characterization of left ventricular diastolic function] Muscholl M, et al. **Herz** 1990 Dec;15(6):377–92 (91 ref.) (Eng. Abstr.) **(Ger)**

[The assessment of myocardial perfusion using contrast echocardiography] Berwing K, et al. **Rontgenblatter** 1990 Sep;43(9):377–83 (39 ref.) (Eng. Abstr.) **(Ger)**

[Intraoperative diagnosis of the heart and great vessels—echocardiography] Erbel R, et al. **Z Kardiol** 1990; 79 Suppl 4:127–40 (81 ref.) (Eng. Abstr.) **(Ger)**

[Fetal echocardiography. I: Methods, limitations and indications] Chaoui R, et al. **Zentralbl Gynakol** 1990; 112(19):1197–208 (30 ref.) (Eng. Abstr.) **(Ger)**

[Clinical use of transesophageal echocardiography] Lengyel M, et al. **Orv Hetil** 1990 Dec 23;131(51):2799–804, 2807 (28 ref.) (Eng. Abstr.) **(Hun)**

STANDARDS

Structural heart disease. Allan LD. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):223–5 (16 ref.)

Left ventricular myocardial mass determined by cross-sectional echocardiography in normal newborns, infants, and children. Vogel M, et al. **Pediatr Cardiol** 1991 Jul;12(3):143–9 (29 ref.)

TRENDS

What's new in transesophageal echocardiography? van Daele ME, et al. **Cardiology** 1990;77(5):388–97 (20 ref.)

ECHOCARDIOGRAPHY, CONTINUOUS DOPPLER see **ECHOCARDIOGRAPHY, DOPPLER**

ECHOCARDIOGRAPHY, CONTRAST see **ECHOCARDIOGRAPHY**

ECHOCARDIOGRAPHY, CROSS-SECTIONAL see **ECHOCARDIOGRAPHY**

ECHOCARDIOGRAPHY, DOPPLER

Intraoperative echocardiography. Lazar HL, et al. **Ann Thorac Surg** 1990 Dec;50(6):1010–8 (46 ref.)

Doppler echocardiographic evaluation of diastolic dysfunction. DeMaria AN, et al. **Circulation** 1991 Sep;84(3 Suppl):I288–95 (46 ref.)

Echocardiographic Doppler evaluation of left ventricular diastolic function. Physics and physiology. Thomas JD, et al. **Circulation** 1991 Sep;84(3):977–90 (89 ref.)

Doppler echocardiography versus cardiac catheterization in the evaluation of valvular heart disease: do we have a gold standard? Schwinger ME. **Clin Cardiol** 1991 May; 14(5):369–73 (53 ref.)

Systolic time intervals. Boudoulas H. **Eur Heart J** 1990 Dec; 11 Suppl I:93–104 (62 ref.)

Is pulsed Doppler echocardiography an adequate method to evaluate left ventricular function during filling in hypertensive patients? Diebold B, et al. **Eur Heart J** 1990 Nov;11 Suppl G:79–86 (39 ref.)

Quadricuspid aortic valve and aortic regurgitation diagnosed by Doppler echocardiography: report of two cases and review of the literature. Barbosa MM, et al. **J Am Soc Echocardiogr** 1991 Jan–Feb;4(1):69–74 (36 ref.)

Fetal echocardiography. Huhta JC, et al. **Semin Roentgenol** 1991 Jan;26(1):5–11 (10 ref.)

Echocardiography in patients undergoing mitral valve surgery. Stewart WJ, et al. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):194–202 (51 ref.)

[Evaluation of diastolic left ventricular function using pulsed Doppler echocardiography] Vítovec M, et al. **Vnitr Lek** 1990 Oct;36(10):1011–7 (32 ref.) (Eng. Abstr.) **(Cze)**

[Diagnosis and evaluation of mitral endocarditis complicating obstructive cardiomyopathy using cardiac echo-Doppler] Chapoutot L, et al. **Ann Cardiol Angeiol (Paris)** 1991 Jan; 40(1):33–7 (18 ref.) (Eng. Abstr.) **(Fre)**

[Evaluation of the normal bioprosthetic Intact aortic valve by Doppler echocardiography] Etienne Y, et al. **Arch Mal Coeur** 1990 Dec;83(14):2039–44 (27 ref.) (Eng. Abstr.) **(Fre)**

[Evaluation of 90 normal aortic valve prosthesis of the Saint-Jude Medical type by echocardiography] Maribas P, et al. **Arch Mal Coeur** 1990 Oct;83(11):1653–8 (5 ref.) (Eng. Abstr.) **(Fre)**

[Study of left ventricular filling by gamma-angiography and echocardiography] Ollivier JP, et al. **Arch Mal Coeur** 1990 Nov;83(12):1817–21 (12 ref.) (Eng. Abstr.) **(Fre)**

[The value of recording the pulmonary insufficiency flow by continuous Doppler for the evaluation of systolic pulmonary artery pressure] Raffoul H, et al. **Arch Mal Coeur** 1990 Oct;83(11):1703–9 (25 ref.) (Eng. Abstr.) **(Fre)**

[Complementary transthoracic and transesophageal echo-doppler in the diagnosis of rupture of the sinus of Valsalva in right heart. Apropos of 4 cases] Jimenez M, et al. **Arch Mal Coeur Vaiss** 1991 Mar;84(3):387–92 (18 ref.) (Eng. Abstr.) **(Fre)**

[Thrombosis of mechanical heart valve prosthesis. Value of transesophageal echocardiography in the study of mitral valve prosthesis] Roudaut R, et al. **Arch Mal Coeur Vaiss** 1991 Apr;84(4):503–9 (13 ref.) (Eng. Abstr.) **(Fre)**

[A rare cause of obstruction of mitral valve prosthesis: periannular fibrosis. Diagnostic by transesophageal echocardiography] Roudaut R, et al. **Arch Mal Coeur Vaiss** 1991 Feb;84(2):261–3 (12 ref.) (Eng. Abstr.) **(Fre)**

[Effects of heart rate increase by transesophageal stimulation on the left ventricular filling in the normal subject. A pulsed echo-Doppler study] Roul G, et al. **Arch Mal Coeur Vaiss** 1991 Feb;84(2):189–94 (20 ref.) (Eng. Abstr.) **(Fre)**

[Conventional and Doppler echocardiography in the differential diagnosis of right heart failure] Josephs W, et al. **Bildgebung** 1990;57(1–2):5–10 (34 ref.) (Eng. Abstr.) **(Ger)**

[Doppler echocardiography in prosthetic heart valve replacement] Flachskampf FA, et al. **Dtsch Med Wochenschr** 1991 Jul 5;116(27):1069–75 (18 ref.) **(Ger)**

[Echocardiography quantification of mitral valve defects] Seifart C. **Z Gesamte Inn Med** 1990 Sep 1;45(17):499–503 (24 ref.) (Eng. Abstr.) **(Ger)**

[Coronary artery anomalies studied by Doppler echocardiography in infancy and childhood—possibilities and limitations] Kádár K, et al. **Orv Hetil** 1991 Jul 21; 132(29):1581–6 (26 ref.) (Eng. Abstr.) **(Hun)**

[The importance of Doppler echocardiography in the differential diagnosis of causes of neonatal cyanosis] Katona M, et al. **Orv Hetil** 1990 Nov 4;131(44):2407–10 (28 ref.) (Eng. Abstr.) **(Hun)**

[Color-coded Doppler in the evaluation of mitral insufficiency. Theoretical assumptions, clinical experience and recent findings] Moro E, et al. **G Ital Cardiol** 1990 Sep;20(9):850–7 (56 ref.) **(Ita)**

[Doppler color echocardiography flow mapping: basic principles, normal flow patterns and main clinical applications] Lima CO, et al. **Arq Bras Cardiol** 1990 Jun; 54(6):401–6 (33 ref.) **(Por)**

[Critical evaluation of echocardiography with color flow mapping] Camarano GP, et al. **Rev Port Cardiol** 1990 Oct; 9(10):807–11 (59 ref.) **(Por)**

[Doppler echocardiography in right and left obstructive cardiopathies] Izquierdo Riezu M, et al. **An Esp Pediatr** 1991 Apr;34(4):283–7 (23 ref.) (Eng. Abstr.) **(Spa)**

[Pericardial effusion simulating a tumor. The value of Doppler color echocardiography for its differentiation] Pérez de Juan MA, et al. **Arch Inst Cardiol Mex** 1991 Jan–Feb;61(1):75–8 (18 ref.) (Eng. Abstr.) **(Spa)**

[Clinical application of echocardiography in children] Rodríguez-López-Domingo AM, et al. **Bol Med Hosp Infant Mex** 1990 Sep;47(9):611–9 (43 ref.) (Eng. Abstr.) **(Spa)**

[Doppler echocardiography in physiologic valvular insufficiencies] Asín Cardiel E, et al. **Rev Esp Cardiol** 1991 Feb;44(2):119–26 (31 ref.) **(Spa)**

INSTRUMENTATION

Doppler ultrasonic measurement of cardiac output: reproducibility and validation. Coats AJ. **Eur Heart J** 1990 Dec;11 Suppl I:49–61 (65 ref.)

Non-invasive study of cardiac performance using Doppler ultrasound in patients with hypertension. Lacolley PJ, et al. **Eur Heart J** 1990 Dec;11 Suppl I:62–6 (34 ref.)

[Progress in clinical cardiology. Echocardiography] Hofmann T, et al. **Med Monatsschr Pharm** 1991 Jan; 14(1):5–18 (0 ref.) **(Ger)**

METHODS

Evaluation of valvular regurgitation by Doppler echocardiography. Smith MD. **Cardiol Clin** 1991 May; 9(2):193–228 (165 ref.)

Evolution of the continuity equation in the Doppler echocardiographic assessment of the severity of valvular aortic stenosis. Taylor R. **J Am Soc Echocardiogr** 1990 Jul–Aug;3(4):326–30 (23 ref.)

[Left ventricular diastolic function. Doppler–echocardiography study] Roudaut R, et al. **Presse Med** 1991 May 18;20(19):903–7 (14 ref.) (Eng. Abstr.) **(Fre)**

[Intraoperative diagnosis of the heart and great vessels—echocardiography] Erbel R, et al. **Z Kardiol** 1990; 79 Suppl 4:127–40 (81 ref.) (Eng. Abstr.) **(Ger)**

[Transesophageal Doppler echocardiography in the evaluation of cardiac pathology] Garcia-Fernandez MA, et al. **Rev Port Cardiol** 1990 Sep;9(9):711–9 (49 ref.) (Eng. Abstr.) **(Por)**

ECHOCARDIOGRAPHY, DOPPLER COLOR see **ECHOCARDIOGRAPHY, DOPPLER**

ECHOCARDIOGRAPHY, M-MODE see **ECHOCARDIOGRAPHY**

ECHOCARDIOGRAPHY, PULSED DOPPLER see **ECHOCARDIOGRAPHY, DOPPLER**

ECHOCARDIOGRAPHY, TWO-DIMENSIONAL see **ECHOCARDIOGRAPHY**

ECHOCARDIOGRAPHY, TWO-DIMENSIONAL DOPPLER see **ECHOCARDIOGRAPHY, DOPPLER**

ECHOENCEPHALOGRAPHY

The value of intraoperative ultrasound in neurosurgery. Sutcliffe JC. **Br J Neurosurg** 1991;5(2):169–78 (33 ref.)

Neonatal cranial ultrasonography. Blickman JG, et al. **Curr Probl Diagn Radiol** 1991 May–Jun;20(3):91–119 (75 ref.)

New technical and clinical aspects for cerebrovascular applications of ultrasound methods. Hennerici M. **J Neurosci Methods** 1990 Sep;34(1–3):169–77 (65 ref.)

Cerebral Doppler studies in the fetus and newborn infant. Raju TN. **J Pediatr** 1991 Aug;119(2):165–74 (70 ref.)

The role of ultrasound in evaluation of patients with elevated maternal serum alpha-fetoprotein: a review. Watson WJ, et al. **Obstet Gynecol** 1991 Jul;78(1):123–8 (46 ref.)

[Transcranial Doppler in anesthesia and intensive care] Granry JC. **Ann Fr Anesth Reanim** 1991;10(2):127–36 (39 ref.) (Eng. Abstr.) **(Fre)**

[Computed cranial tomography, magnetic resonance imaging and brain echo imaging in Japanese B encephalitis] Eguchi I, et al. **No To Hattatsu** 1991 Jul;23(4):355–61 (15 ref.) (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

[Recent developments in ultrasound study of cerebral arteries and their clinical value] Winter R, et al. **Nervenarzt** 1990 Aug;61(8):451–61 (28 ref.) **(Ger)**

METHODS

[Intraoperative echoencephalography in neurosurgery] Locatelli D, et al. **Medicina (Firenze)** 1990 Oct–Dec; 10(4):386–90 (20 ref.) (Eng. Abstr.) **(Ita)**

ECHOGRAPHY see **ULTRASONOGRAPHY**

ECHOTOMOGRAPHY, COMPUTER see **ULTRASONOGRAPHY**

ECK FISTULA see **PORTACAVAL SHUNT, SURGICAL**

ECLAMPSIA

Eclampsia. Hernandez C, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):460–6 (12 ref.)

DIAGNOSIS

[The pregnancy at risk and the HELLP syndrome] Georgiev D, et al. **Akush Ginekol (Sofiia)** 1991;30(2):53–8 (62 ref.) **(Bul)**

[The HELLP syndrome—one hypothesis] Katsulov A. **Akush Ginekol (Sofiia)** 1991;30(2):1–6 (24 ref.) (Eng. Abstr.) **(Bul)**

[Acute diagnosis and therapy in hypertensive emergencies, pre-eclampsia and eclampsia] Kaulhausen H. **Gynakologe** 1991 Jun;24(3):146–50 (24 ref.) **(Ger)**

[Is "late pregnancy toxemia" late?] Katsulov A. **Akush Ginekol (Mosk)** 1990 Oct;(10):6–8 (21 ref.) **(Rus)**

DRUG THERAPY

[Treatment of severe hypertension in pregnancy] Oney T, et al. **Z Geburtshilfe Perinatol** 1991 Jan–Feb;195(1):1–9 (72 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Pregnancy, labor and postpartum development after kidney transplantation and triple therapy with cyclosporin A—follow-up in relation to literature review] Bung P, et al. **Z Geburtshilfe Perinatol** 1991 Jan–Feb;195(1):43–5 (23 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

The role of serotonin in the preeclampsia–eclampsia syndrome. Weiner CP. **Cardiovasc Drugs Ther** 1990 Jan;4 Suppl 1:37–43 (75 ref.)

THERAPY

[Intensive therapy in severe eclampsia] List WF, et al. **Klin Anasthesiol Intensivther** 1989;37:121–9 (8 ref.) **(Ger)**

ECMO see **EXTRACORPOREAL MEMBRANE OXYGENATION**

ECO DNA TOPOISOMERASE II see **DNA GYRASE**

ECOLOGICAL BIAS see **BIAS (EPIDEMIOLOGY)**

ECOLOGICAL MONITORING see **ENVIRONMENTAL MONITORING**

ECOLOGY

A baseline-ecosystem approach to the analysis of ecotoxicological effects. Mathes K, et al. **Ecotoxicol Environ Safety** 1990 Oct;20(2):197–202 (16 ref.)

Biogeochemical processes governing exposure and uptake of organic pollutant compounds in aquatic organisms. Farrington JW. **Environ Health Perspect** 1991 Jan;90:75–84 (99 ref.)

Controlled marine ecosystems in the investigation of oil biodegradation at sea. Bertrand JC. **Microbiol Sci** 1986 Jul; 3(7):197–200 (31 ref.)

Ecological strategies of barophilic bacteria in the deep ocean. Deming JW. **Microbiol Sci** 1986 Jul;3(7):205–11 (36 ref.)

The ecology and evolution of inducible defenses. Harvell CD. **Q Rev Biol** 1990 Sep;65(3):323–40 (134 ref.)

[Contribution to the discussion on the release of transgenic organisms. II. Ecologic aspects] Wöhrmann K. **Naturwissenschaften** 1991 May;78(5):209–14 (59 ref.) (Eng. Abstr.) **(Ger)**

[Ecology and allergology] Ado AD. **Klin Med (Mosk)** 1990 Sep;68(9):3–6 (14 ref.) **(Rus)**

[The ecological problems of the health resort and recreational use of bodies of water] Krasheninnikova TD, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1990 May–Jun; (3):66–72 (43 ref.) **(Rus)**

[The concept of universal functional modules and the further development of the theories of the biosphere, ecosystems and biological adaptations] Ugolev AM. **Zh Evol Biokhim Fiziol** 1990 Jul–Aug;26(4):441–54 (60 ref.) **(Rus)**

ECOLOGY, SEALED CABIN see **SEALED CABIN ECOLOGY**

ECONOMIC COMPETITION

see related
ANTITRUST LAWS

An economic and antitrust analysis of the distribution of medical products. Celnicker AC. **Am J Law Med** 1990; 16(4):499–523 (98 ref.)

ECONOMIC INFLATION see **INFLATION, ECONOMIC**

ECONOMIC VALUE OF LIFE

Economic evaluation of neonatal intensive care. Which variables have to be known? Sinclair JC. **Int J Technol Assess Health Care** 1991;7 Suppl 1:146–50 (49 ref.)

What is the cost of a handicapped child in Sweden? Svenningsen NW. **Int J Technol Assess Health Care** 1991; 7 Suppl 1:151–4 (9 ref.)

ECONOMICS

see related
EUROPEAN ECONOMIC COMMUNITY
SOCIOECONOMIC FACTORS

America's decline: myth or reality? Nau HR. **Clin Neurosurg** 1991;37:203–16 (5 ref.)

ECONOMICS, HOSPITAL

Cost effectiveness. Nursing's value proves itself. Fagin CM. **Am J Nurs** 1990 Oct;90(10):16–8, 22, 25 passim (55 ref.)

Paying for the HIV epidemic. Johnson DP, et al. **Conn Med** 1991 Jan;55(1):38–42 (22 ref.)

LEGISLATION & JURISPRUDENCE

The conundrum of charitability: reassessing tax exemption for hospitals. Hyman DA. **Am J Law Med** 1990; 16(3):327–80 (0 ref.)

TRENDS

All-payer rate-setting and the provision of hospital care to the uninsured: the New Jersey experience. Rosko MD. **J Health Polit Policy Law** 1990 Winter;15(4):815–31 (31 ref.)

ECONOMICS, MEDICAL

Economics. Eisenberg JM. **JAMA** 1991 Jun 19; 265(23):3113–5 (15 ref.)

The costs of commercial medicine. Dougherty CJ. **Theor Med** 1990 Dec;11(4):275–86 (25 ref.)

STANDARDS

Medicine as business and profession. Agich GJ. **Theor Med** 1990 Dec;11(4):311–24 (21 ref.)

TRENDS

The futures of physicians: agency and autonomy reconsidered. Salmon JW, et al. **Theor Med** 1990 Dec; 11(4):261–74 (30 ref.)

ECT (PSYCHOTHERAPY) see **ELECTROCONVULSIVE THERAPY**

ECTHYMA CONTAGIOSUM VIRUS see **ORF VIRUS**

ECTHYMA, CONTAGIOUS

DIAGNOSIS

[Recent information about the orf virus of small ruminants] Büttner M, et al. **Tierarztl Prax** 1990 Aug;18(4):343–8 (33 ref.) (Eng. Abstr.) **(Ger)**

ECTO-5'-NUCLEOTIDASE see **5'-NUCLEOTIDASE**

ECTODERM

PHYSIOLOGY

Molecular and genetic intimations of the function of Delta, and EGF-like gene required for ectodermal differentiation in Drosophila. Kopczynski CC, et al. **Mol Reprod Dev** 1990 Sep;27(1):28–36 (0 ref.)

ECTODERMAL DEFECT, CONGENITAL see **ECTODERMAL DYSPLASIA**

ECTODERMAL DYSPLASIA

COMPLICATIONS

Ectodermal dysplasia: the otolaryngologic manifestations and management. Siegel MB, et al. **Int J Pediatr Otorhinolaryngol** 1990 Aug;19(3):265–71 (12 ref.)

GENETICS

EEC syndrome: report on 20 new patients, clinical and genetic considerations. Rodini ES, et al. **Am J Med Genet** 1990 Sep;37(1):42–53 (93 ref.)

Rapp-Hodgkin hypohidrotic ectodermal dysplasia syndrome. Walpole IR, et al. **Clin Genet** 1991 Feb;39(2):114–20 (17 ref.)

ECTOHORMONES see **PHEROMONES**

ECTOPARASITIC INFESTATIONS

Subcutaneous cysticercosis. Wortman PD. **J Am Acad Dermatol** 1991 Aug;25(2 Pt 2):409–14 (44 ref.)

PREVENTION & CONTROL

Nosocomial transmission and infection control aspects of parasitic and ectoparasitic diseases. Part III. Ectoparasites/summary and conclusions. Lettau LA. **Infect Control Hosp Epidemiol** 1991 Mar;12(3):179–85 (51 ref.)

VETERINARY

Influence of pollution on parasites of aquatic animals. Khan RA, et al. **Adv Parasitol** 1991;30:201–38 (143 ref.)

[Ctenocephalides canis and Ctenocephalides felis infestations of dogs and cats. Biology of the agent, epizootiology, pathogenesis, clinical signs, diagnosis and control] Kalvelage H, et al. **Tierarztl Prax** 1991 Apr;19(2):200–6 (0 ref.) (Eng. Abstr.) **(Ger)**

ECTOPIA CORDIS see **HEART DEFECTS, CONGENITAL**

ECTOPIC ACTH SYNDROME see **ACTH SYNDROME, ECTOPIC**

ECTOPIC ATRIAL TACHYCARDIA see **TACHYCARDIA, ECTOPIC ATRIAL**

ECTOPIC HORMONE SYNDROMES see **NEOPLASTIC ENDOCRINE-LIKE SYNDROMES**

ECTOPIC JUNCTIONAL TACHYCARDIA see **TACHYCARDIA, ECTOPIC JUNCTIONAL**

ECTOPIC TISSUE see **CHORISTOMA**

ECTROMELIA

REHABILITATION

Research and practice with congenital amputees: making the whole greater than the sum of its parts. Minnes PM, et al. **Int J Rehabil Res** 1990;13(2):151–60 (34 ref.)

ECTROPION

SURGERY

Lateral canthal sling update. Custer PL, et al. **Ophthal Plast Reconstr Surg** 1985;1(2):121–7 (12 ref.)

ECZEMA

DRUG THERAPY

[General principles of eczema therapy] Harnack K. **Z Arztl Fortbild (Jena)** 1990;84(23):1184–6 (11 ref.) **(Ger)**

[Clinical experiences of interval treatment with dermatologic agents containing urea] Petres J, et al. **Z Hautkr** 1990 Aug; 65(8):740–5 (46 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Pathogenesis of eczema. Sampson HA. **Clin Exp Allergy** 1990 Sep;20(5):459–67 (86 ref.)

ECZEMA, ATOPIC see **DERMATITIS, ATOPIC**

ECZEMA, CONTACT see **DERMATITIS, CONTACT**

EDATHAMIL see **EDTA**

EDEMA

see related
ANGIONEUROTIC EDEMA
BRAIN EDEMA
HYDROPS FETALIS
LYMPHEDEMA
PAPILLEDEMA
PULMONARY EDEMA

Infantile acute hemorrhagic edema of the skin: study of ten cases. Legrain V, et al. **J Am Acad Dermatol** 1991 Jan; 24(1):17–22 (35 ref.)

Reinke's edema. Freedman SF, et al. **J La State Med Soc** 1990 Nov;142(11):7–9 (6 ref.)

CHEMICALLY INDUCED

Great Lakes embryo mortality, edema, and deformities syndrome (GLEMEDS) in colonial fish-eating birds: similarity to chick-edema disease. Gilbertson M, et al. **J Toxicol Environ Health** 1991 Aug;33(4):455–520 (202 ref.)

[Capsaicin-induced mouse ear edema and its management] Gábor M, et al. **Orv Hetil** 1991 Jun 23;132(25):1373–6 (19 ref.) (Eng. Abstr.) **(Hun)**

COMPLICATIONS

Delayed endolymphatic hydrops and its relationship to Menière's disease. Schuknecht HF, et al. **Ann Otol Rhinol Laryngol** 1990 Nov;99(11):843–53 (17 ref.)

Old theme and new reflections: hearing impairment associated with endolymphatic hydrops. Horner KC.

Hear Res 1991 Mar;52(1):147–56 (50 ref.)

DRUG THERAPY

Diuretics [clinical conference] Rose BD. **Kidney Int** 1991 Feb;39(2):336–52 (155 ref.)

ETIOLOGY

Genital edema in children on continuous ambulatory peritoneal dialysis. Robson WL, et al. **Child Nephrol Urol** 1990;10(4):205–10 (26 ref.)

Crow–Fukase syndrome associated with extramedullary plasmacytoma. Shirabe S, et al. **Jpn J Med** 1991 Jan–Feb; 30(1):64–6 (11 ref.)

Intra- and extrarenal factors of oedema formation in the nephrotic syndrome. Tulassay T, et al. **Pediatr Nephrol** 1989 Jan;3(1):92–100 (79 ref.)

[Role of the osmoregulating system in the pathogenesis of edema] Finkinshtein IaD. **Ter Arkh** 1990;62(12):122–4 (20 ref.) **(Rus)**

[The debatable aspects of the pathogenesis of nephrotic edema] Kaiukov IG, et al. **Ter Arkh** 1990;62(11):145–51 (94 ref.) **(Rus)**

PHYSIOPATHOLOGY

The lymphatic edema safety factor: the role of edema dependent lymphatic factors (EDLF) [see comments] Taylor AE. **Lymphology** 1990 Sep;23(3):111–23 (31 ref.) Comment in: Lymphology 1991 Mar;24(1):2–6.

SURGERY

[Edema in surgery of the hand] Legré R. **Ann Chir Main Memb Super** 1991;10(1):71–6 (46 ref.) **(Fre)**

[Surgery of the endolymphatic sac and preservation of hearing in endolymphatic hydrops] Akyildiz N, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991;112(2):153–7 (26 ref.) (Eng. Abstr.) **(Fre)**

EDEMA, CARDIAC

PHYSIOPATHOLOGY

Renal mechanisms in heart failure. Birkenhäger WH, et al. **Herz** 1991 Apr;16(2):61–7 (53 ref.) **(Eng, Ger)**

EDEMA–PROTEINURIA–HYPERTENSION GESTOSIS see **GESTOSIS, EPH**

EDETATES see **EDTA**

EDTA

ADVERSE EFFECTS

EDTA-dependent pseudothrombocytopenia: a clinical study of 18 patients and a review of the literature. Berkman N, et al. **Am J Hematol** 1991 Mar;36(3):195–201 (32 ref.)

DIAGNOSTIC USE

EDTA, the traditional anticoagulant of haematology: with increased automation is it time for a review? Reardon DM, et al. **Med Lab Sci** 1991 Jan;48(1):72–5 (14 ref.)

PHARMACOLOGY

HBED: a potential oral iron chelator. Grady RW, et al. **Ann N Y Acad Sci** 1990;612:361–8 (25 ref.)

THERAPEUTIC USE

Antimicrobial potentiation of irrigation solutions containing tris-[hydroxymethyl] aminomethane–EDTA. Ashworth CD, et al. **J Am Vet Med Assoc** 1990 Dec 1;197(11):1513–4 (20 ref.)

EDUCATION

see related
LEARNING
RESEARCH SUPPORT
TEACHING

EDUCATION, CONTINUING

TRENDS

Quality assurance education: towards the year 2000. Anderson BG. **Aust Clin Rev** 1991;11(1–2):11–6 (5 ref.)

EDUCATION, DENTAL

Predoctoral fixed prosthodontics education. Goodacre CJ. **J Prosthet Dent** 1990 Sep;64(3):319–25 (112 ref.)

Predoctoral removable prosthodontics education. Graser GN. **J Prosthet Dent** 1990 Sep;64(3):326–33 (54 ref.)

TRENDS

The effect on the dental curriculum. Douglass CW. **J Am Coll Dent** 1991 Summer;58(2):17–21 (28 ref.)

EDUCATION, DENTAL, CONTINUING

Continuing dental education in prosthodontics. Rudd KD. **J Prosthet Dent** 1990 Sep;64(3):342–5 (7 ref.)

EDUCATION, DENTAL, GRADUATE

The evolving demographics of graduate dental education. Waldman HB. **Ann Dent** 1991 Summer;50(1):12–5 (6 ref.)

A postdoctoral year for the practice of dentistry: rationale and progress. Formicola AJ, et al. **J Dent Educ** 1991 Aug; 55(8):526–30; discussion 537 (22 ref.)

General practice residency programs: benefits to residents and patients. Garrison RS Jr. **J Dent Educ** 1991 Aug; 55(8):534–6; discussion 537 (8 ref.)

Advanced education in prosthodontics. McGivney GP. **J Prosthet Dent** 1990 Sep;64(3):334–41 (11 ref.)

EDUCATION, DENTAL HEALTH see **HEALTH EDUCATION, DENTAL**

EDUCATION, HEALTH see **HEALTH EDUCATION**

EDUCATION, MEDICAL

Preventive pulmonary medical education. A review of its importance, status, and challenge. Glanz K, et al. **Chest** 1991 Aug;100(2):487–93 (64 ref.)

Malignant melanoma as a model for cancer education and prevention. 1989 Harvey lecture American Association for Cancer Education. Robinson WA. **J Cancer Educ** 1990; 5(2):85–9 (22 ref.)

The importance and purpose of medical psychology in the study of medicine. Rossmanith S. **Psychother Psychosom** 1990;53(1–4):108–14 (27 ref.)

Click on the video learning connection. Hulse SF. **Radiol Technol** 1991 May–Jun;62(5):386–8 (6 ref.)

Strategies in the education of humane physicians. Riska EK. **Scand J Soc Med** 1990 Sep;18(3):161–4 (21 ref.)

[Frontiers of medical education] Uribe-Elias R, et al. **Gac Med Mex** 1990 Sep–Oct;126(5):431–47 (40 ref.) **(Spa)**

METHODS

Practical reform of preclinical education: core curriculum and science projects. Charlton BG. **Med Teach** 1991; 13(1):21–8 (16 ref.)

ORGANIZATION & ADMINISTRATION

Medical education for alcohol and other drug abuse in the United States. Lewis DC. **Can Med Assoc J** 1990 Nov 15; 143(10):1091–6 (22 ref.)

TRENDS

Academic physicians: today's dinosaurs? Sadeghi-Nejad A, et al. **Am J Med** 1991 Mar;90(3):371–3 (17 ref.)

Brief intervention strategies for harmful drinkers: new directions for medical education. Babor TF. **Can Med Assoc J** 1990 Nov 15;143(10):1070–6 (31 ref.)

Medical education for the 1990s. Adelstein SJ. **Clin Neurosurg** 1991;37:217–24 (5 ref.)

Computers in medical education: information and knowledge management, understanding, and learning. Henry JB. **Hum Pathol** 1990 Oct;21(10):998–1002 (9 ref.)

New Oslerians and real Flexnerians: the response to threatened professional autonomy. Vinten-Johansen P, et al. **Int J Health Serv** 1991;21(1):75–108 (127 ref.)

Can we really teach psychosomatic medicine? A review of successes and failures. Lipsitt DR. **Psychother Psychosom** 1991;56(1–2):102–11 (36 ref.)

EDUCATION, MEDICAL, CONTINUING

[Rational continuing medical education] Renschler HE. **Schweiz Rundsch Med Prax** 1991 May 7;80(19):515–23 (36 ref.) (Eng. Abstr.) **(Ger)**

METHODS

[Teaching methods in continuing education] Rügheimer E. **Klin Anasthesiol Intensivther** 1990;38:348–66 (20 ref.) **(Ger)**

TRENDS

Continuing medical education in psychiatry. Wright JM. **Aust N Z J Psychiatry** 1991 Mar;25(1):111–8 (45 ref.)

Development of continuing medical education in Europe: a review. Vysohlid J, et al. **Med Educ** 1990 Sep; 24(5):406–12 (10 ref.)

EDUCATION, MEDICAL, GRADUATE

STANDARDS

Postgraduate medical fellowship training in alcoholism and drug abuse: national consensus standards. Galanter M, et al. **Am J Drug Alcohol Abuse** 1991;17(1):1–12 (7 ref.)

TRENDS

[Training in Internal Medicine yesterday, today, and tomorrow] Ortiz Vázquez J. **An Med Interna** 1989 Jun; 6(6):323–32 (0 ref.) **(Spa)**

EDUCATION, MEDICAL, UNDERGRADUATE

Status report on ambulatory care and education in the VA Western Region and western medical schools. Robbins AS, et al. **Acad Med** 1991 Sep;66(9):506–10 (2 ref.)

Undergraduate teaching project of the American gastroenterological Association: a pathophysiology resource. Hofmann AF, et al. **Am J Physiol** 1991 Jun;260(6 Pt 3):S1–5 (1 ref.)

Research priorities for arthritis professional education. Palchik NS, et al. **Arthritis Rheum** 1991 Feb;34(2):234–40 (23 ref.)

Review of the teaching of medical ethics in London medical schools. Burling SJ, et al. **J Med Ethics** 1990 Dec; 16(4):206–9 (11 ref.)

STANDARDS

A core curriculum for medical students in clinical pharmacology and therapeutics. The Council for Medical Student Education in Clinical Pharmacology and Therapeutics. Nierenberg DW. **Clin Pharmacol Ther** 1990 Dec;48(6):606–10 (0 ref.)

TRENDS

Educating physicians in nutrition--a view of the past, the present, and the future. Feldman EB. **Am J Clin Nutr** 1991 Oct;54(4):618–22 (18 ref.)

EDUCATION, NURSING

Review of experimental learning theory research in the nursing profession. Laschinger HK. **J Adv Nurs** 1990 Aug; 15(8):985–93 (34 ref.)

STANDARDS

Education for critical care nursing. Kinney MR. **Annu Rev Nurs Res** 1990;8:161–76 (26 ref.)

Critical thinking and nursing education: perplexities and insights. Kintgen-Andrews J. **J Nurs Educ** 1991 Apr; 30(4):152–7 (34 ref.)

EDUCATION, NURSING, BACCALAUREATE

LEGISLATION & JURISPRUDENCE

Suing programs of nursing education. Helms LB, et al. **Nurs Outlook** 1991 Jul–Aug;39(4):158–61 (28 ref.)

STANDARDS

Nursing research education. Jamann-Riley JS. **Annu Rev Nurs Res** 1990;8:177–91 (45 ref.)

An opinion piece: the consensus conference. Felton G. **J Prof Nurs** 1991 May–Jun;7(3):184–7 (4 ref.)

EDUCATION, NURSING, CONTINUING

STANDARDS

Education for critical care nursing. Kinney MR. **Annu Rev Nurs Res** 1990;8:161–76 (26 ref.)

EDUCATION, NURSING, GRADUATE

STANDARDS

Nursing research education. Jamann-Riley JS. **Annu Rev Nurs Res** 1990;8:177–91 (45 ref.)

EDUCATION OF MENTALLY DEFECTIVE see **EDUCATION OF MENTALLY RETARDED**

EDUCATION OF MENTALLY RETARDED

Perspectives on relational learning in mental retardation. Green G, et al. **Am J Ment Retard** 1990 Nov;95(3):249–59 (55 ref.)

Attentional functioning and relational learning. Soraci SA Jr, et al. **Am J Ment Retard** 1990 Nov;95(3):304–15 (42 ref.)

METHODS

The ideology and science of punishment in mental retardation [see comments] Mulick JA. **Am J Ment Retard** 1990 Sep; 95(2):142–56; discussion 157–81 (70 ref.) Comment in: Am J Ment Retard 1990 Sep;95(2):137–41.

Teaching persons with profound multiple handicaps: a review of the effects of behavioral research. Reid DH, et al. **J Appl Behav Anal** 1991 Summer;24(2):319–36 (75 ref.)

Treatment of destructive behaviors in persons with developmental disabilities. **J Autism Dev Disord** 1990 Sep; 20(3):403–29; discussion 431–2 (0 ref.)

Teaching self-instructional skills to persons with mental

retardation: a descriptive and experimental analysis. Agran M, et al. **Prog Behav Modif** 1991;27:36–55 (47 ref.)
Independent performance among individuals with mental retardation: promoting generalization through self-instruction. Hughes C. **Prog Behav Modif** 1991;27:7–35 (31 ref.)

EDUCATION OF PATIENTS see **PATIENT EDUCATION**

EDUCATION RESEARCH, NURSING see **NURSING EDUCATION RESEARCH**

EDUCATION, SEX see **SEX EDUCATION**

EDUCATION, SPECIAL

Terminology and behavior reduction: the case against "punishment". Skiba RJ, et al. **Except Child** 1991 Feb; 57(4):298–313 (110 ref.)
Education of the deaf: the otolaryngologist's role. Behrens TR, et al. **Otolaryngol Clin North Am** 1971 Jun;4(2):423–30 (6 ref.)
Return to school following severe closed head injury: a critical phase in pediatric rehabilitation. Carney J, et al. **Pediatrician** 1990;17(4):222–9 (15 ref.)
The behavioral model and adolescents with behavior disorders: a review of selected treatment studies. Olinger E, et al. **Prog Behav Modif** 1991;27:122–56 (100 ref.)
[Treatment of developmental disorders—principles, methods and indication] Karch D. **Off Gesundheitswes** 1990 Aug–Sep;52(8–9):491–5 (12 ref.) (Eng. Abstr.) **(Ger)**

LEGISLATION & JURISPRUDENCE

Narrowing the gap between policy and practice. Keogh BK. **Except Child** 1990 Oct–Nov;57(2):186–90 (6 ref.)
Do public schools have an obligation to serve troubled children and youth? Nelson CM, et al. **Except Child** 1991 Mar–Apr;57(5):406–17 (65 ref.)
Rehabilitation of the pediatric patient with a neuromuscular disease. Russman BS. **Neurol Clin** 1990 Aug;8(3):727–40 (52 ref.)
Role of the school in serving children with learning disabilities. Telzrow CF. **Semin Neurol** 1991 Mar;11(1):50–6 (33 ref.)

METHODS

Early intervention for infants with deaf-blindness. Michael MG, et al. **Except Child** 1990 Dec–1991 Jan;57(3):200–10 (60 ref.)
Conductive education. Reddihough D.
J Paediatr Child Health 1991 Jun;27(3):141–2 (8 ref.)

EDUCATIONAL MEASUREMENT

Educational assessment and remediation of learning disabilities. Dakin KE. **Semin Neurol** 1991 Mar;11(1):42–9 (32 ref.)

METHODS

Administering a microcomputer-based problem-solving examination. Kwak AR, et al. **J Biocommun** 1990;17(3):9–13 (5 ref.)
Pitfalls in the pursuit of objectivity: issues of validity, efficiency and acceptability. Norman GR, et al.
Med Educ 1991 Mar;25(2):119–26 (28 ref.)
Pitfalls in the pursuit of objectivity: issues of reliability. Van der Vleuten CP, et al. **Med Educ** 1991 Mar;25(2):110–8 (26 ref.)

EEG see **ELECTROENCEPHALOGRAPHY**

EFFICIENCY

Application of productivity estimates to psychiatric nursing practice. Hodgson NA. **Arch Psychiatr Nurs** 1990 Dec; 4(6):366–9 (22 ref.)
Production control and chronic stress in work organizations. Houben GJ. **Int J Health Serv** 1991;21(2):309–27 (133 ref.)
Measuring technical efficiency in health care organizations. Rosko MD. **J Med Syst** 1990 Oct;14(5):307–22 (24 ref.)

DRUG EFFECTS

[Psychomotor stimulants as agents for enhancing work capacity] Smirnov AV. **Farmakol Toksikol** 1990 Jul–Aug; 53(4):72–7 (43 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Mechanics and energetics in running with special reference to efficiency. Kaneko M. **J Biomech** 1990;23 Suppl 1:57–63 (52 ref.)
Performance variables associated with the competitive gymnast. Bale P, et al. **Sports Med** 1990 Sep;10(3):139–45 (53 ref.)

EFFORT see **EXERTION**

EFFORT SYNDROME see **NEUROCIRCULATORY ASTHENIA**

EGF-URO RECEPTORS see **RECEPTORS, EPIDERMAL GROWTH FACTOR-UROGASTRONE**

EGG see **OVUM**

EGG PROTEINS

[Allergic reactions to measles, mumps and rubella vaccine in children with egg protein allergy] Kornbrot B, et al. **Harefuah** 1990 Oct;119(7–8):230–1 (24 ref.) **(Heb)**

GENETICS

Drosophila chorion genes: cracking the eggshell's secrets. Orr-Weaver TL. **Bioessays** 1991 Mar;13(3):97–105 (42 ref.)

EGG PROTEINS, DIETARY

ADVERSE EFFECTS

Studies of food allergens: soybean and egg proteins. Djurtoft R, et al. **Adv Exp Med Biol** 1991;289:281–93 (25 ref.)

CHEMISTRY

Structure and function of a lipoprotein: lipovitellin. Banaszak L, et al. **Annu Rev Biophys Biophys Chem** 1991;20:221–46 (74 ref.)

EGG SHELL

GROWTH & DEVELOPMENT

Two concepts. II: Effect of estrogen on the skeleton and pelvic ligaments of hens and mammals: experimental and clinical aspects. Sutro CJ, et al.
Bull Hosp Jt Dis Orthop Inst 1991 Spring;51(1):46–53 (36 ref.)

EGG SHELL PROTEINS see **EGG PROTEINS**

EGG WHITE

The structural requirements of epitopes with IgE binding capacity demonstrated by three major allergens from fish, egg and tree pollen. Elsayed S, et al.
Scand J Clin Lab Invest Suppl 1991;204:17–31 (65 ref.)

EGG WHITE PROTEINS see **EGG PROTEINS**

EGG WHITE PROTEINS, DIETARY see **EGG PROTEINS, DIETARY**

EGG YOLK PROTEINS see **EGG PROTEINS**

EGG YOLK PROTEINS, DIETARY see **EGG PROTEINS, DIETARY**

EGGS

Eggs and Salmonella food-poisoning: an evaluation. Duguid JP, et al. **J Med Microbiol** 1991 Feb;34(2):65–72 (51 ref.)

ANALYSIS

The case for a cause-effect linkage between environmental contamination and development in eggs of the common snapping turtle (Chelydra S.serpentina) from Ontario, Canada. Bishop CA, et al. **J Toxicol Environ Health** 1991 Aug;33(4):521–47 (54 ref.)

EGO

Weaning as an approach to the 'non-self'. Burgio GR, et al. **Beitr Infusionther** 1991;27:15–30 (51 ref.)
Developmental psychology and psychoanalysis: I. The context for a revolution in psychoanalysis. Leichtman M. **J Am Psychoanal Assoc** 1990;38(4):915–50 (120 ref.)
Paths of adolescent ego development: links with family life and individual adjustment. Hauser ST, et al.
Psychiatr Clin North Am 1990 Sep;13(3):489–510 (19 ref.)
Some philosophical directions towards a simple theory of the self. Mann DW. **Theor Med** 1991 Mar;12(1):53–68 (29 ref.)
[Self psychology: a post-Kohut overview] Gedo JE.
Psyche (Stuttg) 1991 Jan;45(1):1–16 (35 ref.) **(Ger)**
[Perspectives of an existential interdisciplinary body theory] Kühn R. **Z Klin Psychol Psychopathol Psychother** 1990; 38(4):376–96 (80 ref.) (Eng. Abstr.) **(Ger)**

EGTA

METABOLISM

A rapid decline in external Ca2+ induces Ca2+ mobilization in bovine adrenal glomerulosa cells. Foster RH.
Arch Biol Med Exp (Santiago) 1988 Jun;21(1):165–9 (19 ref.)

EHDP see **SODIUM ETIDRONATE**

EHLERS-DANLOS SYNDROME

COMPLICATIONS

[Ehlers-Danlos syndrome and pregnancy. Apropos of a case] Charvet PY, et al.
J Gynecol Obstet Biol Reprod (Paris) 1991;20(1):75–8 (17 ref.) (Eng. Abstr.) **(Fre)**
[Spontaneous rupture of subclavian artery disclosing Ehlers-Danlos disease. A case] Tron F, et al.
Presse Med 1991 Apr 20;20(15):692–6 (18 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Clinical screening for collagen defects in connective tissue diseases. Cohn DH, et al. **Clin Perinatol** 1990 Dec; 17(4):793–809 (107 ref.)
Spontaneous carotid-cavernous fistulae in Ehlers-Danlos syndrome Type IV. Case report. Schievink WI, et al.
J Neurosurg 1991 Jun;74(6):991–8 (53 ref.)

GENETICS

Phenotypic overlap of Ehlers-Danlos syndrome types IV and VIII. Hartsfield JK Jr, et al. **Am J Med Genet** 1990 Dec;37(4):465–70 (18 ref.)
The wrinkly skin syndrome: a report of a case and review of the literature. Hurvitz SA, et al. **Clin Genet** 1990 Oct; 38(4):307–13 (15 ref.)

SURGERY

[Recurrent spontaneous colon perforation in type 4 Ehlers-Danlos syndrome. Case report and review of the literature] Mayrhofer T, et al. **Chirurg** 1991 Jan;62(1):57–9 (14 ref.) **(Ger)**

EHRLICHIA

The tribe Ehrlichieae and ehrlichial diseases. Rikihisa Y.
Clin Microbiol Rev 1991 Jul;4(3):286–308 (190 ref.)
An overview of research on ehrlichiosis. Ristic M, et al.
Eur J Epidemiol 1991 May;7(3):246–52 (54 ref.)
Epidemiology of rickettsial diseases. Walker DH, et al.
Eur J Epidemiol 1991 May;7(3):237–45 (96 ref.)
Biology of ehrlichiae. Weiss E. **Eur J Epidemiol** 1991 May; 7(3):253–8 (35 ref.)

CLASSIFICATION

Human ehrlichiosis. Edwards MS. **Adv Pediatr Infect Dis** 1991;6:163–78 (80 ref.)

ISOLATION & PURIFICATION

Control of Theileria species (other than East Coast fever and Theileria annulata infection), Ehrlichia and tick toxicosis: present situation and proposals for future control strategies. Young AS. **Parassitologia** 1990 Apr;32(1):41–54 (81 ref.)

PHYSIOLOGY

Ehrlichiosis. Harkess JR. **Infect Dis Clin North Am** 1991 Mar; 5(1):37–51 (35 ref.)
Ehrlichial diseases of dogs. Woody BJ, et al.
Vet Clin North Am Small Anim Pract 1991 Jan;21(1):75–98 (39 ref.)

EHS TUMOR see **SARCOMA, EXPERIMENTAL**

EICOSANOIDS

ANALYSIS

A critical approach to eicosanoid assay. Granström E, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21A:295–302 (17 ref.)

BIOSYNTHESIS

Macrophage phospholipase A2 activity and eicosanoid production: studies with phospholipase A2 inhibitors in P388D1 cells. Glaser KB, et al. **Adv Exp Med Biol** 1990; 275:1–16 (26 ref.)
Regulation of eicosanoid biosynthesis in endothelial cells: critical role of de novo synthesis of prostaglandin endoperoxide synthase. Wu KK. **Adv Exp Med Biol** 1990; 281:297–301 (29 ref.)
Polyunsaturates, endogenous eicosanoids, and cardiovascular disease. Knapp HR. **J Am Coll Nutr** 1990 Aug;9(4):344–51 (63 ref.)
Importance of essential fatty acids and their derivatives in poultry. Watkins BA. **J Nutr** 1991 Sep;121(9):1475–85 (132 ref.)
Eicosanoid biosynthesis and role in renal immune injury. Lianos EA. **Prostaglandins Leukot Essent Fatty Acids** 1990 Sep;41(1):1–12 (89 ref.)

HISTORY

The eicosanoids: a historical overview. Baker RR.
Clin Biochem 1990 Oct;23(5):455–8 (31 ref.)

IMMUNOLOGY

Eicosanoids and platelet-activating factor in allergic respiratory diseases. Henderson WR Jr.
Am Rev Respir Dis 1991 May;143(5 Pt 2):S86–90 (75 ref.)
[The involvement of eicosanoids in the pathogenesis of inflammatory granuloma] Mihai N.
Rev Ig Med Muncii Med Soc Bacteriol Virusol Parazitol Epidemiol Pneumoftiziol Pneumoftiziol 1990 Jan–Mar;

39(1):83–6 (17 ref.) **(Rum)**

METABOLISM

Studies on the metabolism of eicosanoids with respect to their roles in the human lung. Kumlin M.
Acta Physiol Scand Suppl 1991;596:1–96 (567 ref.)
Vascular and platelet eicosanoids, smoking and atherosclerosis. Jeremy JY, et al. **Adv Exp Med Biol** 1990; 273:135–46 (63 ref.)
Modification of the eicosanoid system and cell signalling by precursor fatty acids. Weber PC, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1991; 21A:217–24 (27 ref.)
Studies on eicosanoid metabolism in the fetal rat brain after global ischemia. Yavin E, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1991; 21B:749–52 (14 ref.)
Biosynthesis of prostaglandins. Lands WE.
Annu Rev Nutr 1991;11:41–60 (115 ref.)
Pathogenesis of diabetic neuropathy: the role of the n–6 essential fatty acids and their eicosanoid derivatives. Jamal GA. **Diabetic Med** 1990 Aug;7(7):574–9 (70 ref.)
Modulators of cutaneous inflammation and proliferation in psoriasis. Kragballe K, et al. **Immunol Ser** 1989;46:403–24 (106 ref.)
Overview of eicosanoid metabolism and relationship to platelet–activating factor. Dusting GJ, et al.
Reprod Fertil Dev 1990;2(5):417–21 (12 ref.)
Human menstruation and eicosanoids. Rees MC.
Reprod Fertil Dev 1990;2(5):467–76 (53 ref.)
Fatty acid supplementation and skin disease. Campbell KL. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1475–86 (37 ref.)
[Eicosanoids and arterial aging] Larrue J, et al.
Ann Cardiol Angeiol (Paris) 1991 May;40(5):259–64 (16 ref.) **(Fre)**
[The significance of eicosanoids in gestosis] Klockenbusch W, et al. **Z Geburtshilfe Perinatol** 1990 Sep–Oct; 194(5):200–7 (82 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Eicosanoids as mediators and modulators of inflammation. Hedqvist P, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1991; 21B:537–43 (16 ref.)
Eicosanoids and inflammatory cells in asthma. O'Byrne PM. **Agents Actions Suppl** 1990;31:85–101 (60 ref.)
Comparative eicosanoid physiology in invertebrate animals. Stanley–Samuelson DW. **Am J Physiol** 1991 May;260(5 Pt 2):R849–53 (36 ref.)
Biologically active products of stimulated liver macrophages (Kupffer cells). Decker K. **Eur J Biochem** 1990 Sep 11; 192(2):245–61 (182 ref.)
Interactions between inflammatory mediators in expression of antitumor cytostatic activity of macrophages [published erratum appears in Immunol Lett 1990 Dec;26(3):297] Bonta IL, et al. **Immunol Lett** 1990 Sep;25(4):295–301 (35 ref.)
Eicosanoids in psoriasis. Ruzicka T. **J Dermatol Sci** 1990 Nov;1(6):415–23 (68 ref.)
The role of eicosanoids in the acute phase response [see comments] Brouwer A, et al. **J Hepatol** 1990 Nov; 11(3):283–6 (19 ref.) Comment in: J Hepatol 1991 Mar;12(2):268.
Effects of eicosanoids on the water and sodium balance of the neonate. Reyes JL, et al. **Pediatr Nephrol** 1990 Nov; 4(6):630–4 (45 ref.)
Eicosanoids and modulation of inflammatory and immune responses. Palmblad J. **Scand J Clin Lab Invest Suppl** 1990; 202:168–71 (24 ref.)
The Jeremiah Metzger lecture. Participation of eicosanoids in the syndromes of myocardial ischemia. Oates JA.
Trans Am Clin Climatol Assoc 1989;101:154–60 (37 ref.)
Eicosanoids and the central nervous system. Galli C, et al. **Ups J Med Sci Suppl** 1990;48:133–44 (28 ref.)
Prostaglandins, the kidney, and hypertension [see comments] Wilson TW, et al. **West J Med** 1990 Aug;153(2):168–72 (67 ref.) Comment in: West J Med 1990 Aug;153(2):194–5.
[Intercellular function of eicosanoids] Goerig M.
Verh Dtsch Ges Inn Med 1990;96:683–5 (8 ref.) **(Ger)**

THERAPEUTIC USE

Eicosanoids and inflammatory bowel disease: regulation and prospects for therapy. Fretland DJ, et al.
Prostaglandins Leukot Essent Fatty Acids 1990 Dec; 41(4):215–33 (293 ref.)

EICOSATETRAENOIC ACIDS see **ARACHIDONIC ACIDS**

8,11,14–EICOSATRIENOIC ACID

ANALOGS & DERIVATIVES

The cytochrome P450 metabolic pathway of arachidonic acid in the cornea. Schwartzman ML, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1991; 21A:185–92 (23 ref.)

METABOLISM

The cytochrome P450 metabolic pathway of arachidonic acid in the cornea. Schwartzman ML, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1991; 21A:185–92 (23 ref.)

EIKENELLA CORRODENS

Eikenella corrodens chorioamnionitis. Jeppson KG, et al.
Obstet Gynecol 1991 Sep;78(3 (Pt 2)):503–5 (12 ref.)

EIMERIA INFECTIONS see **COCCIDIOSIS**

EISENMENGER COMPLEX

BLOOD

Plasma anticoagulant system in patients with pulmonary hypertension. Maeda NY, et al. **Braz J Med Biol Res** 1990; 23(3–4):251–4 (21 ref.)

COMPLICATIONS

[Eisenmenger syndrome and pregnancy. Apropos of a case] Antoine JM, et al.
J Gynecol Obstet Biol Reprod (Paris) 1991;20(1):79–82 (12 ref.) (Eng. Abstr.) **(Fre)**

EISENMENGER SYNDROME see **EISENMENGER COMPLEX**

EJACULATION

Noninvasive techniques for improving fertility potential of retrograde ejaculates. Check JH, et al. **Arch Androl** 1990; 25(3):271–6 (20 ref.)
[Transrectal electroejaculation] Shotland Y, et al.
Harefuah 1990 Oct;119(7–8):213–6 (28 ref.) **(Heb)**

DRUG EFFECTS

[Non–analgesic effects of opioids] Eledjam JJ, et al.
Cah Anesthesiol 1991;39(2):111–4 (41 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Retrograde ejaculation. Hershlag A, et al. **Hum Reprod** 1991 Feb;6(2):255–8 (26 ref.)
[Deviant ejaculation sequence can be cause of infertility] Kvist U. **Lakartidningen** 1990 Dec 19;87(51–52):4454–5 (10 ref.) **(Swe)**

EJECTION SEATS see **AIRCRAFT**

EKBOM'S SYNDROME see **RESTLESS LEGS**

EKG see **ELECTROCARDIOGRAPHY**

ELAPID VENOMS

ADVERSE EFFECTS

Management of snakebite. Johnson CA.
Am Fam Physician 1991 Jul;44(1):174–80 (10 ref.)

ELASTASE see **PANCREATOPEPTIDASE**

ELASTIC STOCKINGS see **BANDAGES**

ELASTIC TISSUE

PATHOLOGY

Unilateral facial actinic elastotic plaque—a new clinical variant of actinic elastosis. Wittal RA, et al.
Australas J Dermatol 1989;30(1):15–22 (38 ref.)
[Intracranial aneurysm and dysplasia of elastic tissue: pre– and postoperative problems] Jourdan C, et al.
Agressologie 1990 Jun;31(6):405–8 (16 ref.) (Eng. Abstr.) **(Fre)**
[Conjonctive nevus of the disseminated elastic type without osteopoikilosis or Weidman juvenile elastoma] Marguery MC, et al. **Ann Dermatol Venereol** 1991;118(6–7):465–8 (9 ref.) **(Fre)**

PHYSIOLOGY

Elastic filaments and giant proteins in muscle. Trinick J. **Curr Opin Cell Biol** 1991 Feb;3(1):112–9 (48 ref.)

RADIATION EFFECTS

A study of elastic tissue and actinic radiation in "aging," temporal arteritis, polymyalgia rheumatica, and atherosclerosis. The actinic storm in the modern world. O'Brien JP, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 1):765–76 (108 ref.)

ELASTICA see **RUBBER**

ELASTIN

BIOSYNTHESIS

Elastin synthesis and fiber assembly. Mecham RP.
Ann N Y Acad Sci 1991;624:137–46 (73 ref.)

DRUG EFFECTS

Effects of antihypertensive drug classes on regression of connective tissue components of hypertension. Keeley FW, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S64–9 (40 ref.)

METABOLISM

Elastin degradation by mononuclear phagocytes. Shapiro SD, et al. **Ann N Y Acad Sci** 1991;624:69–80 (39 ref.)

PHYSIOLOGY

[Elastin and arterial aging] Hornebeck W, et al.
Ann Cardiol Angeiol (Paris) 1991 May;40(5):281–4 (31 ref.) **(Fre)**

ELASTOMERS see **RUBBER**

ELASTOMERS, SILICONE see **SILICONE ELASTOMERS**

ELBOW

[Hemangiopericytoma. Apropos of a case] Buchon R, et al.
Ann Radiol (Paris) 1990;33(2):114–9 (17 ref.) (Eng. Abstr.) **(Fre)**

INJURIES

Brachial artery injury in closed elbow dislocation. Case report and review of literature. Sadat–Ali M.
Arch Orthop Trauma Surg 1990;109(5):288–90 (18 ref.)
Trauma to elbows, knees, and ankles. Hodge D 3d, et al.
Pediatr Emerg Care 1991 Jun;7(3):188–94 (8 ref.)

SURGERY

Elbow, wrist, and hand surgery. Meuli HC.
Curr Opin Rheumatol 1990 Feb;2(1):172–5 (21 ref.)

ELBOW JOINT

Arthroscopic treatment of Panner's disease. Ruch DS, et al.
Clin Sports Med 1991 Jul;10(3):629–36 (7 ref.)
Recurrent dislocation of the elbow in a child: case report and review of the literature. Beaty JH, et al.
J Pediatr Orthop 1991 May–Jun;11(3):392–6 (37 ref.)
[Minor symptoms in family practice; theory and practice in olecranon bursitis] Vliet Vlieland TP, et al.
Ned Tijdschr Geneeskd 1991 May 11;135(19):837–9 (18 ref.) **(Dut)**
[Arthroscopy of the elbow joint] Hempfling H.
Aktuel Probl Chir Orthop 1991;40:24–30 (11 ref.) **(Ger)**

INJURIES

Lesions of the posterior compartment of the elbow. Andrews JR, et al. **Clin Sports Med** 1991 Jul;10(3):637–52 (47 ref.)
Common disorders of the elbow in athletes and musicians. Hotchkiss RN. **Hand Clin** 1990 Aug;6(3):507–15 (60 ref.)
Transection of the brachial artery complicating closed posterior dislocation of the elbow. Howard AC, et al.
Injury 1991 May;22(3):240–2 (11 ref.)
The elbow. Wilkins KE, et al. **Instr Course Lect** 1991;40:1–87 (348 ref.)
[Surgical treatment of neglected elbow dislocations. Report of 81 cases] di Schino M, et al. **Rev Chir Orthop** 1990; 76(5):303–10 (12 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Surgery of the rheumatoid elbow. Souter WA.
Ann Rheum Dis 1990 Oct;49 Suppl 2:871–82 (33 ref.)
The prone position for elbow arthroscopy. Baker CL Jr, et al. **Clin Sports Med** 1991 Jul;10(3):623–8 (13 ref.)
The elbow. Wilkins KE, et al. **Instr Course Lect** 1991;40:1–87 (348 ref.)

ELDER ABUSE

Abuse of elders: a review for Texas physicians. Fagala GE, et al. **Tex Med** 1991 Jul;87(7):70–5 (39 ref.)
[Abuse and violence against the elderly] Hugonot R.
Bull Acad Natl Med 1990 Jun–Jul;174(6):813–20; discussion 820–1 (12 ref.) (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Abuse versus neglect: a model to understand the causes of and treatment strategies for mistreatment of older persons. Movsas TZ, et al. **Issues Law Med** 1990 Fall;6(2):163–73 (63 ref.)

ELDERLY see **AGED**

ELDERLY, FRAIL see **FRAIL ELDERLY**

ELECTRIC CONDUCTANCE, SKIN see **GALVANIC SKIN RESPONSE**

ELECTRIC CONDUCTIVITY

Bioelectric impedance methods for the estimation of body composition. Chumlea WC, et al. **Can J Sport Sci** 1990 Sep;15(3):172–9 (88 ref.)

Quantification in impedance imaging. Barber DC. **Clin Phys Physiol Meas** 1990;11 Suppl A:45–56 (13 ref.)
Real space modulation in Bi2Sr2CanCun + 1O6+2n and Tl2Ba2CuO6 superconductors derived from electron diffraction information. Verwerft M, et al. **J Electron Microsc Tech** 1991 Jan;17(1):70–80 (15 ref.)
Bioelectrical impedance analysis to determine fat-free mass, total body water and body fat. Van Loan MD. **Sports Med** 1990 Oct;10(4):205–17 (52 ref.)

PHYSIOLOGY

Optical approaches to ontogeny of electrical activity and related functional organization during early heart development. Kamino K. **Physiol Rev** 1991 Jan;71(1):53–91 (370 ref.)

ELECTRIC COUNTERSHOCK

Anaesthesia outside the operating room. Manninen PH. **Can J Anaesth** 1991 May;38(4 Pt 2):R126–33 (26 ref.) **(Eng, Fre)**
Current status of antitachycardia devices. Rosenthal ME, et al. **Circulation** 1990 Dec;82(6):1889–99 (99 ref.)
The fundamental law of electrostimulation and its application to defibrillation. Irnich W. **PACE** 1990 Nov;13(11 Pt 1):1433–47 (78 ref.)
Noninvasive cardiac stimulation revisited. Zoll PM. **PACE** 1990 Dec;13(12 Pt 2):2014–6 (12 ref.)

INSTRUMENTATION

The automatic implantable cardioverter–defibrillator: current status and future directions. Mirowski M, et al. **Cardiologia** 1990 Jan;35(1 Suppl):79–83 (26 ref.)
Biosensor applications to antitachycardia devices. Cohen TJ, et al. **PACE** 1991 Feb;14(2 Pt 2):322–8 (25 ref.)
Current concepts for selecting the location, size and shape of defibrillation electrodes. Ideker RE, et al. **PACE** 1991 Feb;14(2 Pt 1):227–40 (47 ref.)
Programmed stimulation–guided therapy compared with implantable cardioverter defibrillator device therapy in the treatment of ventricular tachyarrhythmias. Troup PJ. **PACE** 1991 Feb;14(2 Pt 2):267–72 (31 ref.)
Future studies with the implantable cardioverter defibrillator. Bigger JT Jr. **PACE Pacing Clin Electrophysiol** 1991 May; 14(5 Pt 2):883–9 (32 ref.)
Potential interactions between antiarrhythmic medication and the automatic implantable cardioverter defibrillator. Gottlieb CD, et al. **PACE Pacing Clin Electrophysiol** 1991 May;14(5 Pt 2):898–904 (41 ref.)
Implantable cardioverter defibrillators in cardiovascular practice: report of the Policy Conference of the North American Society of Pacing and Electrophysiology. NASPE Policy Conference Committee. Lehmann MH, et al. **PACE Pacing Clin Electrophysiol** 1991 Jun;14(6):969–79 (86 ref.)
State–of–the–art of the AICD. Winkle RA. **PACE Pacing Clin Electrophysiol** 1991 May;14(5 Pt 2):961–6 (20 ref.)
The role of the automatic implantable cardioverter–defibrillator in the treatment of ventricular tachycardia. Hammon JW. **Semin Thorac Cardiovasc Surg** 1989 Jul;1(1):88–96 (16 ref.)
[Anti–tachycardia stimulation in supraventricular and ventricular tachycardia with and without cardioverter/defibrillator] Klein H. **Herz** 1991 Jun; 16(3):182–98 (48 ref.) (Eng. Abstr.) **(Ger)**

METHODS

New developments in cardiopulmonary resuscitation. Grauer K, et al. **Am Fam Physician** 1991 Mar;43(3):832–44 (35 ref.)
Innovative methods of cardiac defibrillation. Gessman LJ. **N J Med** 1990 Nov;87(11 Spec No):873–8 (14 ref.)
Sudden cardiac death, implanted defibrillation, and clinical electrophysiology. Coumel P, et al. **PACE Pacing Clin Electrophysiol** 1991 May;14(5 Pt 2):893–7 (7 ref.)

ELECTRIC INJURIES

PATHOLOGY

Electrically induced dermal changes. A morphological study of porcine skin after transfer of low–moderate amounts of electrical energy. Karlsmark T. **Dan Med Bull** 1990 Dec; 37(6):507–20 (110 ref.)

PHYSIOPATHOLOGY

Electric shock devices and their effects on the human body. Robinson MN, et al. **Med Sci Law** 1990 Oct;30(4):285–300 (16 ref.)
[Electrophysiologic criteria for the prevention of electric accidents] Kupfer J. **Z Gesamte Hyg** 1990 Nov;36(11):586–8 (12 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

[Prevention of electric accidents and electric injuries] Obermayer A. **Klin Anasthesiol Intensivther** 1990; 38:289–96; discussion 297–307 (7 ref.) **(Ger)**

ELECTRIC ORGAN

METABOLISM

Functional architecture of the nicotinic acetylcholine receptor: from electric organ to brain. Galzi JL, et al. **Annu Rev Pharmacol Toxicol** 1991;31:37–72 (270 ref.)

PHYSIOLOGY

Voltage–sensitive sodium channels: agents that perturb inactivation gating. Agnew WS, et al. **Ann N Y Acad Sci** 1991;625:200–23 (60 ref.)

ELECTRIC POWER PLANTS see **POWER PLANTS**

ELECTRIC STIMULATION

see related
CARDIAC PACING, ARTIFICIAL

Electrical stimulation of peripheral and central pathways for the relief of musculoskeletal pain. Bushnell MC, et al. **Can J Physiol Pharmacol** 1991 May;69(5):697–703 (42 ref.)
Cranial electrostimulation (CES) use in the detoxification of opiate–dependent patients. Alling FA, et al. **J Subst Abuse Treat** 1990;7(3):173–80 (57 ref.)
Spinal cord stimulation: a contemporary series [see comments] Spiegelmann R, et al. **Neurosurgery** 1991 Jan; 28(1):65–70; discussion 70–1 (32 ref.) Comment in: Neurosurgery 1991 Jun;28(6):932–3.
The fundamental law of electrostimulation and its application to defibrillation. Irnich W. **PACE** 1990 Nov;13(11 Pt 1):1433–47 (78 ref.)
Anatomical changes in chronically stimulated skeletal muscles. Hudlicka O. **Semin Thorac Cardiovasc Surg** 1991 Apr;3(2):106–10 (33 ref.)
Effects of chronic electrostimulation on muscle gene expression. Pette D. **Semin Thorac Cardiovasc Surg** 1991 Apr;3(2):101–5 (35 ref.)
[Programmed stimulation of the heart] Dąbrowski A. **Kardiol Pol** 1990;33(9–10):33–6 (13 ref.) **(Pol)**
[Monitoring muscular relaxation] Alvarez Gómez JA, et al. **Rev Esp Anestesiol Reanim** 1991 Jan–Feb;38(1):29–37 (74 ref.) **(Spa)**

ADVERSE EFFECTS

Considerations for safety with chronically implanted nerve electrodes. Agnew WF, et al. **Epilepsia** 1990;31 Suppl 2:S27–32 (32 ref.)

INSTRUMENTATION

Accurate monitoring of neuromuscular blockade using a peripheral nerve stimulator—a review. Beemer GH, et al. **Anaesth Intensive Care** 1990 Nov;18(4):490–6 (36 ref.)
An introduction to the basic principles of magnetic nerve stimulation. Barker AT. **J Clin Neurophysiol** 1991 Jan; 8(1):26–37 (36 ref.)
Technical and practical aspects of magnetic nerve stimulation. Jalinous R. **J Clin Neurophysiol** 1991 Jan; 8(1):10–25 (15 ref.)
Stimulation of the human nervous system using the magnetic coil. Maccabee PJ, et al. **J Clin Neurophysiol** 1991 Jan; 8(1):38–55 (85 ref.)

ELECTRIC STIMULATION THERAPY

Electrostimulation and bone fracture healing. Behari J. **Crit Rev Biomed Eng** 1991;18(4):235–54 (202 ref.)
Anatomical, physiological, and theoretical basis for the antiepileptic effect of vagus nerve stimulation. Rutecki P. **Epilepsia** 1990;31 Suppl 2:S1–6 (63 ref.)
Electrophrenic ventilation: a different perspective. Bach JR, et al. **J Am Paraplegia Soc** 1991 Jan;14(1):9–17 (66 ref.)
Deep brain stimulation in the treatment of chronic pain in man: where and why? Gybels J, et al. **Neurophysiol Clin** 1990 Nov;20(5):389–98 (32 ref.)
Bone stimulators for fusions and fractures. Barden RM, et al. **Nurs Clin North Am** 1991 Mar;26(1):89–103 (34 ref.)
Autonomic stimulation. Upton AR, et al. **PACE** 1991 Jan; 14(1):50–69 (120 ref.)
Deep brain stimulation: a review of basic research and clinical studies. Duncan GH, et al. **Pain** 1991 Apr;45(1):49–59 (121 ref.)
Intravesical electrical stimulation for the rehabilitation of the neuropathic bladder. Madersbacher H. **Paraplegia** 1990 Jul; 28(6):349–52 (15 ref.)
Electrical stimulation. A physiologic approach to the treatment of urinary incontinence. Fall M, et al. **Urol Clin North Am** 1991 May;18(2):393–407 (92 ref.)
[Therapeutic value of esophageal stimulation. Factors influencing the results in flutter and atrial tachysystole] Chabert JP, et al. **Ann Cardiol Angeiol (Paris)** 1991 Feb; 40(2):69–74 (16 ref.) (Eng. Abstr.) **(Fre)**
[Transcerebral electrostimulation in hypnotic drug withdrawal] Demotes–Mainard J, et al. **Encephale** 1990 Jul–Aug;16(4):265–7 (21 ref.) (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

An introduction to the basic principles of magnetic nerve stimulation. Barker AT. **J Clin Neurophysiol** 1991 Jan; 8(1):26–37 (36 ref.)
Importance of the adaptive properties of skeletal muscle in long–term electrophrenic stimulation of the diaphragm. Salmons S. **Stereotact Funct Neurosurg** 1989;53(4):223–32 (42 ref.)

METHODS

[The current significance of spinal cord stimulation in the framework of functional neurosurgery] Probst C. **Schweiz Rundsch Med Prax** 1990 Sep 4;79(36):1025–30 (18 ref.) (Eng. Abstr.) **(Ger)**
[Transrectal electroejaculation] Shotland Y, et al. **Harefuah** 1990 Oct;119(7–8):213–6 (28 ref.) **(Heb)**
[Electric stimulation of respiration in chronic nonspecific lung diseases in surgical practice] Vasil'ev VN, et al. **Vestn Khir** 1990 Apr;144(4):148–50 (21 ref.) **(Rus)**

STANDARDS

Differential effects of various electrical parameters on peripheral and central nerve regeneration. Zanakis MF. **Acupunct Electrother Res** 1990;15(3–4):185–91 (21 ref.)

ELECTRIC STIMULATION, TRANSCUTANEOUS see **TRANSCUTANEOUS ELECTRIC NERVE STIMULATION**

ELECTRICITY

Implanted medical devices in workers exposed to radio–frequency radiation. Hocking B, et al. **Scand J Work Environ Health** 1991 Feb;17(1):1–6 (9 ref.)

ADVERSE EFFECTS

Extremely low–frequency electric and magnetic fields and cancer. Poole C, et al. **Cancer Causes Control** 1991 Jul; 2(4):267–76 (97 ref.)
Electric shock devices and their effects on the human body. Robinson MN, et al. **Med Sci Law** 1990 Oct;30(4):285–300 (16 ref.)

ELECTROACOUSTIC IMPEDANCE TESTS see **ACOUSTIC IMPEDANCE TESTS**

ELECTROACUPUNCTURE

Reflex sympathetic dystrophy and electroacupuncture [see comments] Hill SD, et al. **Tex Med** 1991 Jul;87(7):76–81 (54 ref.) Comment in: Tex Med 1991 Jul;87(7):82.
[The role of negative feedback modulating pain of nucleus raphe magnus in electroacupuncture analgesia] Liu X. **Chen Tzu Yen Chiu** 1990;15(3):159–66 (39 ref.) (Eng. Abstr.) **(Chi)**

METHODS

[Cutaneous electric stimulation in aging. Electroacupuncture of wrinkles following the procedure of Ph. Simonin] Schnitzler L, et al. **Rev Fr Gynecol Obstet** 1991 Jun; 86(6):461–6 (23 ref.) (Eng. Abstr.) **(Fre)**

ELECTROANALGESIA see **TRANSCUTANEOUS ELECTRIC NERVE STIMULATION**

ELECTROCARDIOGRAPHY

Positron emission tomography as an aid in understanding electrocardiographic changes of ischemia, infarction, and cardiomyopathy. Grover–McKay M. **Ann N Y Acad Sci** 1990;601:77–94 (53 ref.)
Myocardial perfusion scintigraphy as an aid in understanding electrocardiographic changes of ischemia and infarction. Zaret BL, et al. **Ann N Y Acad Sci** 1990;601:107–18 (38 ref.)
The normal electrocardiogram. McRae C, Carson N. **Aust Fam Physician** 1991 Mar;20(3):331–8 (0 ref.)
Late potentials as predictors of risk after thrombolytic treatment? [published erratum appears in Br Heart J 1991 Feb;65(2):113] Breithardt G, et al. **Br Heart J** 1990 Sep; 64(3):174–6 (33 ref.)
Initial electrocardiogram in patients with suspected ischemic chest pain. Schweitzer P. **Chest** 1990 Nov;98(5):1226–32 (49 ref.)
Impact of integrative cardiopulmonary exercise testing on clinical decision making. Sue DY, et al. **Chest** 1991 Apr; 99(4):981–92 (54 ref.)
Systolic time intervals. Boudoulas H. **Eur Heart J** 1990 Dec; 11 Suppl I:93–104 (62 ref.)
Hemodynamics and exercise capacity during pacemaker stimulation. Nordlander R, et al. **Herz** 1991 Jun; 16(3):149–57 (37 ref.)
Electrocardiographic classification of acute myocardial ischemia. Sclarovsky S, et al. **Isr J Med Sci** 1990 Sep; 26(9):525–31 (13 ref.)
Non–infarct Q wave. Turakhia DP. **J Assoc Physicians India** 1990 Nov;38(11):850–2 (12 ref.)
The electrocardiographic manifestations of cyclic antidepressant therapy and overdose: a review. Groleau G, et al. **J Emerg Med** 1990 Sep–Oct;8(5):597–605 (53 ref.)
The electrocardiogram in chronic obstructive pulmonary disease. Rodman DM, et al. **J Emerg Med** 1990 Sep–Oct; 8(5):607–15 (27 ref.)
Interpretation and clinical significance of the QRS axis of the electrocardiogram. Stephen JM, et al. **J Emerg Med** 1990 Nov–Dec;8(6):757–63 (33 ref.)

[Computerized analysis of ST segment during exercise. Interpretation of "saw tooth" appearance] César C, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):843–6 (10 ref.) (Eng. Abstr.) **(Fre)**

[Value of diagnostic methods in conduction disorders for pacemaker indications and choice of a suitable stimulation mode] Seipel L, et al. **Herz** 1991 Jun;16(3):131–7 (13 ref.) (Eng. Abstr.) **(Ger)**

[Anti-bradycardia pacemaker therapy: rational choice of system in relation to hemodynamic and prognostic aspects] Stangl K. **Herz** 1991 Jun;16(3):138–48 (73 ref.) (Eng. Abstr.) **(Ger)**

[Non-pharmacologic therapy of malignant cardiac arrhythmias] Lüderitz B, et al. **Internist (Berl)** 1990 Oct; 31(10):648–56 (48 ref.) **(Ger)**

[Silent myocardial ischemia] von Arnim T. **Internist (Berl)** 1990 Oct;31(10):657–61 (13 ref.) **(Ger)**

[Disorders of heart function and rhythm in central nervous system processes] Klossek H, et al. **Psychiatr Neurol Med Psychol Beih** 1990;43:12–8 (91 ref.) **(Ger)**

[Detection of spontaneous heart rate fluctuations] Lange V. **Psychiatr Neurol Med Psychol Beih** 1990;43:64–73 (31 ref.) **(Ger)**

[Significance of arrhythmias in advanced age] Lang E. **Ther Umsch** 1991 May;48(5):322–8 (11 ref.) (Eng. Abstr.) **(Ger)**

[Arrhythmogenic right ventricular disease] Wichter T, et al. **Z Kardiol** 1991 Feb;80(2):107–25 (169 ref.) (Eng. Abstr.) **(Ger)**

[Significance and management of non-Q wave myocardial infarction] Elian D, et al. **Harefuah** 1991 Mar 15; 120(6):343–6 (37 ref.) **(Heb)**

[Pathological modifications of the P wave due to probable primary changes in intra-atrial conduction] Catalano F, et al. **Minerva Med** 1991 Apr;82(4):171–5 (16 ref.) (Eng. Abstr.) **(Ita)**

[Programmed stimulation of the heart] Dąbrowski A. **Kardiol Pol** 1990;33(9–10):33–6 (13 ref.) **(Pol)**

[Sudden cardiac death and late ventricular potentials] Ivanov GT, et al. **Anesteziol Reanimatol** 1991 May–Jun;(3):46–9 (71 ref.) **(Rus)**

[The clinical use of magnetocardiography (a review of the literature)] Korneichuk IA, et al. **Vrach Delo** 1990 Dec; (12):25–30 (36 ref.) **(Rus)**

[Rational management of arrhythmias] González-Hermosillo JA, et al. **Arch Inst Cardiol Mex** 1990 Sep–Oct;60(5):461–6 (15 ref.) (Eng. Abstr.) **(Spa)**

[Philosophy of the premature ventricular complex (an "electrocardiographic jewel"): what is it? how is it originated? what does it mean?] Moncada Moneu A. **Rev Clin Esp** 1991 Feb;188(2):88–99 (78 ref.) **(Spa)**

[Late potentials in patients during the hospitalization period following acute myocardial infarction] Sanjuán Máñez R, et al. **Rev Esp Cardiol** 1990 Aug–Sep;43(7):444–9 (23 ref.) (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Cardiovascular considerations in selection of anti-panic pharmacotherapy. Taylor CB, et al. **J Psychiatr Res** 1990; 24 Suppl 2:43–9 (24 ref.)

[New aspects of frequency-dependent effect of class 1 anti-arrhythmia drugs. A critical analysis of useful subclassification] Weirich J, et al. **Z Kardiol** 1991 Mar; 80(3):177–86 (36 ref.) (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

[Late potentials as risk parameters after heart infarct] Haberl R, et al. **Fortschr Med** 1991 Jan 15;109(1):27–30 (43 ref.) (Eng. Abstr.) **(Ger)**

[Spectral analysis of the ECG for detecting late potentials as risk factors of life-threatening cardiac arrhythmias] Haberl R, et al. **Klin Wochenschr** 1990 Aug 2;68(15):744–9 (26 ref.) (Eng. Abstr.) **(Ger)**

[Some general factors affecting heart rate fluctuations] Michalik M, et al. **Psychiatr Neurol Med Psychol Beih** 1990; 43:45–52 (46 ref.) **(Ger)**

[Computer-assisted analysis of cardiorespiratory data in the neonatal period] Rother M, et al. **Psychiatr Neurol Med Psychol Beih** 1990;43:37–44 (22 ref.) **(Ger)**

[New methodologic aspects of the analysis of heart rate variability in newborn infants as a selected example for heart rate analysis with special signal properties] Witte H, et al. **Psychiatr Neurol Med Psychol Beih** 1990;43:89–99 (27 ref.) **(Ger)**

[Clinical value of monophasic action potentials] Franz MR. **Z Kardiol** 1991 Apr;80(4):241–9 (51 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Silent ischemia during mental stress: scintigraphic evidence and electrocardiographic patterns. Tavazzi L, et al. **Adv Cardiol** 1990;37:53–66 (29 ref.)

Signal averaging. Breithardt G, et al. **Ann N Y Acad Sci** 1990;601:180–96 (70 ref.)

The role of signal averaged electrocardiography in identifying patients at high risk for lethal ventricular tachyarrhythmias. Simson MB. **PACE Pacing Clin Electrophysiol** 1991 May;14(5 Pt 2):944–52 (59 ref.)

Method and theory of monophasic action potential recording. Franz MR. **Prog Cardiovasc Dis** 1991 May–Jun; 33(6):347–68 (70 ref.)

Human ventricular repolarization and T wave genesis. Franz MR, et al. **Prog Cardiovasc Dis** 1991 May–Jun;33(6):369–84 (99 ref.)

Monophasic action potentials in the diagnosis of triggered arrhythmias. Zipes DP. **Prog Cardiovasc Dis** 1991 May–Jun;33(6):385–96 (55 ref.)

Surgery for ventricular tachycardia: intraoperative mapping techniques. Mickleborough LL. **Semin Thorac Cardiovasc Surg** 1989 Jul;1(1):74–82 (62 ref.)

[Analysis of fetal ECG during delivery] Jensen LM, et al. **Ugeskr Laeger** 1991 Jun 17;153(25):1782–5 (30 ref.) (Eng. Abstr.) **(Dan)**

[Additional contribution of high amplification electrocardiography in the follow-up of children with muscular dystrophy] Grinneiser D, et al. **Arch Mal Coeur Vaiss** 1991 May;84(5):727–32 (13 ref.) (Eng. Abstr.) **(Fre)**

[The noninvasive recording of late potentials for the determination of increased ventricular vulnerability] Weber K, et al. **Dtsch Med Wochenschr** 1991 Apr 26;116(17):665–9 (36 ref.) **(Ger)**

[The clinical utility of the 12-lead electrocardiogram in the Wolff-Parkinson-White syndrome] Montenero AS, et al. **Cardiologia** 1990 Aug;35(8):625–33 (25 ref.) **(Ita)**

[Electrophysiologic examination of the conduction system by an endocardial or transesophageal method?] Musial WJ. **Kardiol Pol** 1990 Mar;33(3):200–6 (36 ref.) **(Pol)**

[High resolution electrocardiogram and late potential monitoring] Costa O, et al. **Rev Port Cardiol** 1991 Feb; 10(2):125–32 (16 ref.) (Eng. Abstr.) **(Por)**

[Signal averaging high resolution electrocardiogram. Ventricular late potentials] Paylos JM. **Rev Esp Cardiol** 1990 Nov;43(9):591–603 (90 ref.) **(Spa)**

STANDARDS

Standards for analysis of ventricular late potentials using high resolution or signal-averaged electrocardiography. A statement by a Task Force Committee between the European Society of Cardiology, the American Heart Association and the American College of Cardiology. Breithardt G, et al. **Eur Heart J** 1991 Apr;12(4):473–80 (102 ref.)

ELECTROCARDIOGRAPHY, AMBULATORY

Risk stratification in unstable angina: screening for silent myocardial ischemia. Gottlieb SO. **Adv Cardiol** 1990; 37:223–35 (39 ref.)

Computer-assisted analysis of Holter recordings. Kligfield P, et al. **Ann N Y Acad Sci** 1990;601:353–69 (84 ref.)

[Holter monitoring, exercise test and atropine test in isolated congenital atrioventricular block in children] Chammas E, et al. **Arch Mal Coeur Vaiss** 1991 May;84(5):659–64 (19 ref.) (Eng. Abstr.) **(Fre)**

[Study of the arrhythmogenicity of cardiomyopathies. Hypertrophic cardiomyopathies] Fauchier JP, et al. **Arch Mal Coeur Vaiss** 1991 Mar;84(3):365–72 (31 ref.) (Eng. Abstr.) **(Fre)**

[Risk stratification in myocardial infarction. The total ischemic load evaluated with Holter electrocardiography. Its prognostic value] Correia MJ, et al. **Rev Port Cardiol** 1990 Dec;9(12):995–9 (12 ref.) **(Por)**

[Ventricular arrhythmia in young university students without evidence of heart disease] Rigou DG, et al. **Medicina (B Aires)** 1990;50(1):47–51 (24 ref.) (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Real-time digital monitoring: current capabilities and future role. Raby KE, et al. **Adv Cardiol** 1990;37:96–104 (19 ref.)

Ambulatory monitoring of left ventricular function: a new modality for assessing silent myocardial ischemia. Zaret BL, et al. **Adv Cardiol** 1990;37:105–16 (18 ref.)

The present status of cardiac pacing. Furman S. **Herz** 1991 Jun;16(3):171–81 (34 ref.)

[Which programmable functions of pacemakers are available, and what is their clinical relevance?] Jung W, et al. **Herz** 1991 Jun;16(3):158–70 (56 ref.) (Eng. Abstr.) **(Ger)**

[Anti-tachycardia stimulation in supraventricular and ventricular tachycardia with and without cardioverter/defibrillator] Klein H. **Herz** 1991 Jun; 16(3):182–98 (48 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Variability of myocardial ischemia: implications for monitoring strategies. Deanfield JE, et al. **Adv Cardiol** 1990; 37:176–86 (19 ref.)

The prognosis of individuals with silent myocardial ischemia. Schlant RC. **Adv Cardiol** 1990;37:187–201 (66 ref.)

Ambulatory monitoring and silent myocardial ischemia: have the basics been done? Swan HJ. **Adv Cardiol** 1990;37:67–75 (17 ref.)

Prognostic significance of silent myocardial ischemia by exercise testing. Weiner DA. **Adv Cardiol** 1990;37:270–7 (28 ref.)

STANDARDS

Silent myocardial ischaemia. Nunn C, et al. **N Z Med J** 1990 Oct 24;103(900):504–5 (31 ref.)

ELECTROCARDIOGRAPHY, DYNAMIC see **ELECTROCARDIOGRAPHY, AMBULATORY**

ELECTROCARDIOGRAPHY, HOLTER see **ELECTROCARDIOGRAPHY, AMBULATORY**

ELECTROCAUTERY see **ELECTROCOAGULATION**

ELECTROCHEMISTRY

INSTRUMENTATION

Adsorptive stripping voltammetry applied to drug analysis: a powerful tool. Vire JC, et al. **J Pharm Biomed Anal** 1989; 7(12):1323–35 (77 ref.)

[Trace analysis of biological substances by high-performance liquid chromatography with electrochemical detection] Shimada K, et al. **Yakugaku Zasshi** 1991 Apr–May; 111(4–5):225–33 (43 ref.) (Eng. Abstr.) **(Jpn)**

METHODS

Electrostatic energy and macromolecular function. Warshel A, et al. **Annu Rev Biophys Biophys Chem** 1991;20:267–98 (134 ref.)

A critical evaluation of direct electrical protein detection methods. Bergveld P. **Biosens Bioelectron** 1991;6(1):55–72 (35 ref.)

In vivo electrochemical measurements in the CNS. Adams RN. **Prog Neurobiol** 1990;35(4):297–311 (153 ref.)

ELECTROCOAGULATION

Heat probe for hemostasis of bleeding peptic ulcers: technique and results of randomized controlled trials. Jensen DM. **Gastrointest Endosc** 1990 Sep–Oct;36(5 Suppl):S42–9 (21 ref.)

Introduction to endoscopic therapy for bleeding peptic ulcers. Jiranek GC, et al. **Gastrointest Endosc** 1990 Sep–Oct;36(5 Suppl):S25–9 (39 ref.)

Therapeutic endoscopy and bleeding ulcers. Bipolar/multipolar electrocoagulation. Laine L. **Gastrointest Endosc** 1990 Sep–Oct;36(5 Suppl):S38–41 (30 ref.)

Monopolar and electrohydrothermal treatment of upper gastrointestinal bleeding. Papp JP. **Gastrointest Endosc** 1990 Sep–Oct;36(5 Suppl):S34–7 (22 ref.)

Fulguration for AV nodal tachycardia: results in 42 patients with a mean follow-up of 23 months. Haissaguerre M, et al. **PACE** 1990 Dec;13(12 Pt 2):2000–7 (13 ref.)

Nonpharmacological therapy of supraventricular arrhythmias: surgery and catheter ablation techniques. Part II. Singer I, et al. **PACE** 1990 Sep;13(9):1173–83 (41 ref.)

ADVERSE EFFECTS

Thermal injury resulting from arthroscopic lateral retinacular release by electrocautery: report of three cases and a review of the literature. Lord MJ, et al. **Arthroscopy** 1991;7(1):33–7 (20 ref.)

METHODS

Ovarian electrocautery or hormone therapy in the treatment of polycystic ovary syndrome. Vaughan Williams CA. **Clin Endocrinol (Oxf)** 1990 Nov;33(5):569–72 (31 ref.)

Advances in applications of radiofrequency current to catheter ablation therapy. Huang SK. **PACE** 1991 Jan; 14(1):28–42 (70 ref.)

Intrauterine applications of the resectoscope. McLucas B. **Surg Gynecol Obstet** 1991 Jun;172(6):425–31 (48 ref.)

ELECTROCOCHLEOGRAPHY see **AUDIOMETRY, EVOKED RESPONSE**

ELECTROCONVULSIVE THERAPY

Anaesthesia outside the operating room. Manninen PH. **Can J Anaesth** 1991 May;38(4 Pt 2):R126–33 (26 ref.) **(Eng, Fre)**

Mechanisms of action of ECT in Parkinson's disease: possible role of pineal melatonin. Sandyk R. **Int J Neurosci** 1990 Jan;50(1–2):83–94 (91 ref.)

ECT and tardive dyskinesia. Hay DP, et al. **J Geriatr Psychiatry Neurol** 1990 Apr–Jun;3(2):106–9 (23 ref.)

Somatic therapies in geriatric psychiatry. Blake LM. **Psychiatr Med** 1991;9(2):263–73 (22 ref.)

Neuroendocrine hypothesis of antidepressant action of ECT. Fink M. **Psychopharmacol Bull** 1988;24(3):400–2 (12 ref.)

[Electroconvulsive therapy and its mechanism of action] Couvreur V, et al. **Acta Psychiatr Belg** 1989 Jan–Apr; 89(1–2):96–109 (32 ref.) (Eng. Abstr.) **(Fre)**

[Use of electroconvulsive therapy in adolescence] Paillère-Martinot ML, et al. **Encephale** 1990 Sep–Oct; 16(5):399–404 (27 ref.) (Eng. Abstr.) **(Fre)**

[Electric shock treatment of poisoning caused by animal venoms] Torregiani F, et al. **Minerva Med** 1990 Jul–Aug; 81(7–8 Suppl):133–6 (30 ref.) (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Lithium interactions: lithium and electroconvulsive therapy. Small JG, et al. **J Clin Psychopharmacol** 1990 Oct; 10(5):346–50 (54 ref.)
Neurologic side effects of psychiatric treatments. Dolan RJ. **Semin Neurol** 1990 Sep;10(3):295–302 (66 ref.)

HISTORY

Electroconvulsive therapy in the United States. Weiner RD, et al. **Psychopharmacol Bull** 1991;27(1):9–15 (46 ref.)

METHODS

Electrical dosage and efficacy in electroconvulsive therapy. Enns M. **Can J Psychiatry** 1991 Jun;36(5):344–8 (51 ref.)
Electroconvulsive therapy. Current concepts. Pearlman C. **Gen Hosp Psychiatry** 1991 Mar;13(2):128–37 (94 ref.)
Practical issues in the use of electroconvulsive therapy (ECT). Weiner RD, et al. **Psychiatr Med** 1991;9(1):133–41 (29 ref.)

TRENDS

[Current assessments of electroconvulsive therapy] Berlescu ME, et al. **Rev Med Chir Soc Med Nat Iasi** 1990 Jan–Mar; 94(1):91–3 (7 ref.) (Eng. Abstr.) **(Rum)**

ELECTROCUTION, ACCIDENTAL see **ELECTRIC INJURIES**

ELECTRODERMAL RESPONSE see **GALVANIC SKIN RESPONSE**

ELECTRODES

Adequacy of the International 10-20 electrode system for computed neurophysiologic topography. Myslobodsky MS, et al. **J Clin Neurophysiol** 1990 Oct;7(4):507–18 (52 ref.)
The use of ion-selective electrodes in the determination of drug substances. Vytfas K. **J Pharm Biomed Anal** 1989; 7(7):789–812 (267 ref.)
[Sensors for amphiphilic ions—antenna of biochemical laboratory] Shirahama K. **Tanpakushitsu Kakusan Koso** 1990 Dec;35(16):2874–82 (7 ref.) **(Jpn)**

ELECTRODES, ENZYME see **BIOSENSORS**

ELECTRODES, IMPLANTED

Extraction of implanted transvenous pacing leads: a review of a persistent clinical problem. Myers MR, et al. **Am Heart J** 1991 Mar;121(3 (Pt 1)):881–8 (69 ref.)
Considerations for safety with chronically implanted nerve electrodes. Agnew WF, et al. **Epilepsia** 1990;31 Suppl 2:S27–32 (32 ref.)
Current concepts for selecting the location, size and shape of defibrillation electrodes. Ideker RE, et al. **PACE** 1991 Feb;14(2 Pt 1):227–40 (47 ref.)

STANDARDS

Electrode placements for cochlear implants: a review. Rosen S. **Br J Audiol** 1990 Dec;24(6):411–8 (49 ref.)

ELECTRODIAGNOSIS

[Polygraphic registration during sleep] Krieger J. **Rev Mal Respir** 1990;7(5):411–8 (14 ref.) **(Fre)**

INSTRUMENTATION

An introduction to the basic principles of magnetic nerve stimulation. Barker AT. **J Clin Neurophysiol** 1991 Jan; 8(1):26–37 (36 ref.)
Magnetic stimulation of the human cerebral cortex, an indicator of reorganization in motor pathways in certain pathological conditions. Cohen LG, et al. **J Clin Neurophysiol** 1991 Jan;8(1):56–65 (60 ref.)
Magnetic stimulation of the peripheral nervous system. Evans BA. **J Clin Neurophysiol** 1991 Jan;8(1):77–84 (27 ref.)
Magnetic stimulation of cortex: clinical applications. Murray NM. **J Clin Neurophysiol** 1991 Jan;8(1):66–76 (55 ref.)

METHODS

Optimizing of electroneuronography of the facial nerve. Neuwirth-Riedl K, et al. **ORL J Otorhinolaryngol Relat Spec** 1990;52(6):360–7 (11 ref.)
[Electrophysiologic diagnosis of peripheral nerve lesions] Görig E, et al. **Neurochirurgia (Stuttg)** 1991 Jan;34(1):18–31 (57 ref.) (Eng. Abstr.) **(Ger)**
[Programmed electric stimulation of the ventricles in the assessment of electric instability of the myocardium in patients with ischemic heart disease] Kaĭk Iu, et al. **Ter Arkh** 1991;63(1):129–33 (86 ref.) **(Rus)**

ELECTROENCEPHALOGRAPHY

The contribution of the electroencephalogram to the diagnosis of epilepsy: facts and delusions. Tugendhaft P. **Acta Clin Belg** 1990;45(4):247–59 (51 ref.)
Quantitative EEG in human neuropharmacology. Rationale, history, and recent developments. Sannita WG. **Acta Neurol (Napoli)** 1990 Oct;12(5):389–409 (113 ref.)
Conventional electroencephalography as a diagnostic tool: possibilities and limits. Striano S. **Acta Neurol (Napoli)** 1990 Oct;12(5):366–71 (20 ref.)
Abortive generalized spike and waves in children: a review. Liou WY. **Acta Paediatr Sin** 1990 May–Jun;31(3):129–43 (77 ref.)
Internal and external control: a two-factor model of amplitude change of event-related potentials. Kok A. **Acta Psychol (Amst)** 1990 Aug;74(2–3):203–36 (100 ref.)
The inverse problem in electroencephalography and magnetoencephalography. Balish M, et al. **Adv Neurol** 1990; 54:79–88 (47 ref.)
Localization of brain activity with electroencephalography. Nunez PL. **Adv Neurol** 1990;54:39–65 (63 ref.)
Comparison of electroencephalography and magnetoencephalography. Rose DF, et al. **Adv Neurol** 1990;54:33–7 (10 ref.)
Magnetic evoked responses. Comparison with electrical evoked responses. Rose DF. **Adv Neurol** 1990;54:89–94 (42 ref.)
Electroencephalographic and magnetoencephalographic studies of motor function. Weinberg H, et al. **Adv Neurol** 1990;54:193–205 (56 ref.)
Acute behavioral symptomatology at disappearance of epileptiform EEG abnormality. Paradoxical or "forced" normalization. Wolf P. **Adv Neurol** 1991;55:127–42 (54 ref.)
Electrophysiological indices of frontal lobe development. Relations to cognitive and affective behavior in human infants over the first year of life. Fox NA, et al. **Ann N Y Acad Sci** 1990;608:677–98; discussion 698–704 (69 ref.)
When does an EEG contribute to the management of febrile seizures? Stores G. **Arch Dis Child** 1991 Apr;66(4):554–7 (25 ref.)
EEG mapping for surgery of epilepsy. Collura TF, et al. **Brain Topogr** 1990 Fall;3(1):65–77 (33 ref.)
Beyond topographic mapping: towards functional-anatomical imaging with 124-channel EEGs and 3-D MRIs. Gevins A, et al. **Brain Topogr** 1990 Fall; 3(1):53–64 (28 ref.)
On the controversies about clinical use of EEG brain mapping. Nuwer MR. **Brain Topogr** 1990 Fall;3(1):103–11 (28 ref.)
Electrical dosage and efficacy in electroconvulsive therapy. Enns M. **Can J Psychiatry** 1991 Jun;36(5):344–8 (51 ref.)
Limbic autonomic arousal: its physiological classification and review of the literature. Deshmukh VD. **Clin Electroencephalogr** 1991 Jan;22(1):46–61 (115 ref.)
The Hans Berger lecture. Functional explorations of the human epileptic brain and their therapeutic implications. Engel J Jr. **Electroencephalogr Clin Neurophysiol** 1990 Oct; 76(4):296–316 (108 ref.)
Current evaluation of the concepts of centrencephalic and cortico-reticular seizures [editorial] Jasper HH. **Electroencephalogr Clin Neurophysiol** 1991 Jan;78(1):2–11 (64 ref.)
The cholinergic system and EEG slow waves. Riekkinen P, et al. **Electroencephalogr Clin Neurophysiol** 1991 Feb; 78(2):89–96 (54 ref.)
Kindling: basic mechanisms and clinical validity. Sato M, et al. **Electroencephalogr Clin Neurophysiol** 1990 Nov; 76(5):459–72 (110 ref.)
Report of IFCN Committee on Basic Mechanisms. Basic mechanisms of cerebral rhythmic activities. Steriade M, et al. **Electroencephalogr Clin Neurophysiol** 1990 Dec; 76(6):481–508 (165 ref.)
Beware of the average reference in brain mapping. Desmedt JE, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990; 41:22–7 (29 ref.)
Electrophysiological perspectives on comprehending written language. Kutas M, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:155–67 (68 ref.)
Utility of short-latency evoked potentials in the classification of progressive, early onset cerebellar ataxias. Vanasse M, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990; 41:223–35 (65 ref.)
Electroencephalographic parameters in assessing the cognitive function of children with epilepsy. Stores G. **Epilepsia** 1990;31 Suppl 4:S45–9 (32 ref.)
Rapidly fatal subacute sclerosing panencephalitis in a 19-year-old man. Sie TH, et al. **Eur Neurol** 1991;31(2):94–9 (37 ref.)
EEG in migraine: a review of the literature. Sand T. **Funct Neurol** 1991 Jan–Mar;6(1):7–22 (118 ref.)
Temporal coherence of superimposed EEG waves: a problem in nonlinearity. Stowell H. **Int J Neurosci** 1990 Jan; 50(1–2):121–6 (32 ref.)
Dynamic brain mapping methodology and application. Itil TM, et al. **Int J Psychophysiol** 1991 Jan;10(3):281–91 (42 ref.)
Psychophysiological aspects of nightmares, night terrors, and sleepwalking. Murray JB. **J Gen Psychol** 1991 Apr; 118(2):113–27 (90 ref.)
Are frequent spike-waves during non-REM sleep in relation with an acquired neuro-psychological deficit in epileptic children? Billard C, et al. **Neurophysiol Clin** 1990 Dec; 20(6):439–53 (17 ref.)
Neuroelectrical activity related to panic disorder. Knott VJ. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(5):697–707 (23 ref.)
Circadian aspects of epileptic behavior in comparative psychophysiology. Poirel C, et al. **Psychol Rep** 1991 Jun; 68(3 Pt 1):783–801 (75 ref.)
Event-related potentials in schizophrenia: their biological and clinical correlates and a new model of schizophrenic pathophysiology. McCarley RW, et al. **Schizophr Res** 1991 Mar–Apr;4(2):209–31 (110 ref.)
Electrophysiologic methods of evaluating epilepsy. Ebersole JS. **Semin Neurol** 1990 Dec;10(4):339–48 (67 ref.)
Sleep in old age: focus on gender differences. Rediehs MH, et al. **Sleep** 1990 Oct;13(5):410–24 (56 ref.)
[Topographic electroencephalography and its clinical application] Tan Y, et al. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1991 Feb; 24(1):53–6 (15 ref.) **(Chi)**
[Electroencephalography, epilepsy and brain tumor] Revol M, et al. **Pediatrie** 1991;46(1):23–9 (25 ref.) (Eng. Abstr.) **(Fre)**
[Characteristic EEG—findings in moyamoya syndrome in children: case report and overview] Kurlemann G, et al. **EEG EMG** 1990 Sep;21(3):134–6 (14 ref.) (Eng. Abstr.) **(Ger)**
[Significance of EEG findings in pavor nocturnus] Fehlow P. **Kinderarztl Prax** 1990 Nov;58(11):561–5 (21 ref.) (Eng. Abstr.) **(Ger)**
[Sleep and epilepsy] Zeitlhofer J, et al. **Wien Klin Wochenschr** 1991;103(7):191–6 (50 ref.) (Eng. Abstr.) **(Ger)**
[Epileptic syndromes of infancy and early childhood] Todt H, et al. **Z Arztl Fortbild (Jena)** 1990;84(15):743–5 (14 ref.) **(Ger)**
[Non-convulsive status epilepticus and the importance of emergency EEG] Amit R, et al. **Harefuah** 1990 Jul; 119(1–2):35–6 (20 ref.) **(Heb)**
[Benign familial neonatal convulsion: clinical features of the propositus and comparison with the previously reported cases] Wakai S, et al. **No To Hattatsu** 1990 Nov; 22(6):589–95 (22 ref.) (Eng. Abstr.) **(Jpn)**
[Irritative midline and parasaggital foci: a clinical and electroencephalographic correlation] de Paola L, et al. **Arq Neuropsiquiatr** 1990 Jun;48(2):183–7 (10 ref.) (Eng. Abstr.) **(Por)**

DRUG EFFECTS

Neurophysiological aspects of smoking behaviour: a neuroelectric perspective. Knott VJ. **Br J Addict** 1991 May; 86(5):511–5 (23 ref.)
A review of the EEG effects of the combination of almitrine and raubasine in animals and humans. Sebban C, et al. **Clin Neuropharmacol** 1990;13 Suppl 3:S50–8 (16 ref.)
Hypnotics and sleep physiology: a consensus report. European Sleep Research Society, Committee on Hypnotics and Sleep Physiology. Borbély AA, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;241(1):13–21 (100 ref.)

INSTRUMENTATION

Cognitive brain potentials and their application. Blackwood DH, et al. **Br J Psychiatry Suppl** 1990;(9):96–101 (50 ref.)
Visual information processing of computed topographic electrical activity brain maps. Klymenko V, et al. **J Clin Neurophysiol** 1990 Oct;7(4):484–97 (51 ref.)
Adequacy of the International 10-20 electrode system for computed neurophysiologic topography. Myslobodsky MS, et al. **J Clin Neurophysiol** 1990 Oct;7(4):507–18 (52 ref.)
Computer analyses of EEG-sleep in the neonate: methodological considerations. Scher MS, et al. **J Clin Neurophysiol** 1990 Jul;7(3):417–41 (58 ref.)
[Computer-assisted analysis of cardiorespiratory data in the neonatal period] Rother M, et al. **Psychiatr Neurol Med Psychol Beih** 1990;43:37–44 (22 ref.) **(Ger)**
[Event-related potentials in psychiatry--methodologic principles] Münte F, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Nov; 42(11):649–59 (50 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Topographic EEG analysis. Methods for graphic representation and clinical applications. Scarpino O, et al. **Acta Neurol (Napoli)** 1990 Oct;12(5):410–26 (14 ref.)
Quantitative electroencephalography and anatomoclinical principles of aphasia. A validation study. Finitzo T, et al. **Ann N Y Acad Sci** 1991;620:57–72 (21 ref.)
Quantified neurophysiology with mapping: statistical inference, exploratory and confirmatory data analysis. Duffy FH, et al. **Brain Topogr** 1990 Fall;3(1):3–12 (57 ref.)
Quantitative analysis of electroencephalograms: is there chaos in the future? Jansen BH. **Int J Biomed Comput** 1991 Feb; 27(2):95–123 (59 ref.)
Statistical aspects of neurophysiologic topography. Abt K. **J Clin Neurophysiol** 1990 Oct;7(4):519–34 (12 ref.)
Early myoclonic encephalopathy, early infantile epileptic encephalopathy, and benign and severe infantile myoclonic epilepsies: a critical review and personal contributions. Lombroso CT. **J Clin Neurophysiol** 1990 Jul;7(3):380–408 (60 ref.)
A critical review of clinical applications of topographic mapping of brain potentials. Lopes da Silva FH. **J Clin Neurophysiol** 1990 Oct;7(4):535–51 (53 ref.)
Benign neonatal seizures. Miles DK, et al. **J Clin Neurophysiol** 1990 Jul;7(3):369–79 (29 ref.)

Precautions in topographic mapping and in evoked potential map reading. Perrin F, et al. **J Clin Neurophysiol** 1990 Oct; 7(4):498–506 (25 ref.)

What is a neonatal seizure? Problems in definition and quantification for investigative and clinical purposes. Shewmon DA. **J Clin Neurophysiol** 1990 Jul;7(3):315–68 (166 ref.)

Benign infantile epilepsy with complex partial seizures. Watanabe K, et al. **J Clin Neurophysiol** 1990 Jul;7(3):409–16 (14 ref.)

[Barbiturate coma in the treatment of refractory status epilepticus in adults. Usefulness of continuous electroencephalography in intensive care] Jolliet P, et al. **Schweiz Med Wochenschr** 1991 Jun 15;121(24):903–9 (40 ref.) (Eng. Abstr.) **(Fre)**

[A factor analysis of EEG power spectra and the spectral reaction curve] Psatta M, et al. **Rev Med Interna Neurol Psihiatr Neurochir Dermatovenerol Neurol Psihiatr Neurochir** 1989 Oct–Dec;34(4):283–97 (29 ref.) **(Rum)**

[Computer methods of data processing in clinical electroencephalography (review of the literature)] Zenkov LR. **Zh Nevropatol Psikhiatr** 1990;90(12):103–9 (69 ref.) **(Rus)**

STANDARDS

Electroencephalographic (EEG) video monitoring. Erlichman M. **Health Technol Assess Rep** 1990;(4):1–14 (46 ref.)

TRENDS

The development of EEG brain mapping. Nuwer MR. **J Clin Neurophysiol** 1990 Oct;7(4):459–71 (48 ref.)

ELECTROHYDRAULIC SHOCKWAVE LITHOTRIPSY see **LITHOTRIPSY**

ELECTROIMMUNOBLOTTING see **IMMUNOBLOTTING**

ELECTROLYTES

see related
FLUID THERAPY
WATER-ELECTROLYTE BALANCE

ADMINISTRATION & DOSAGE

Signal-sensitive release of content from liposomes bearing surface-grafted polyelectrolyte chains. Maeda M, et al. **Ann N Y Acad Sci** 1991;618:362–6 (13 ref.)

ADVERSE EFFECTS

Toxic effects of electrolyte and trace mineral administration in the intensive care unit. Besunder JB, et al. **Crit Care Clin** 1991 Jul;7(3):659–93 (181 ref.)

ANALYSIS

Cryofixation methods for ion localization in cells by electron probe microanalysis: a review. Zierold K. **J Microsc** 1991 Feb;161 (Pt 2):357–66 (45 ref.)

CHEMISTRY

Adsorption of ions, polyelectrolytes and proteins. Stuart MA, et al. **Adv Colloid Interface Sci** 1991 Jan;34:477–535 (85 ref.)

Glycosaminoglycans as polyelectrolytes: rejuvenation of original concepts. Jaques LB. **Semin Thromb Hemost** 1991; 17 Suppl 1:1–4 (8 ref.)

METABOLISM

Extrarenal receptor–effector–mechanisms for aldosterone: the sequence of effects on the cellular electrolyte transport in human lymphocytes and their implications for disorders of the water and electrolyte balances. Wehling M, et al. **Acta Endocrinol (Copenh)** 1990 Oct;123(4):385–94 (59 ref.)

Heterogeneity of hypertension: the diverse role of electrolyte intake. Luft FC, et al. **Annu Rev Med** 1991;42:347–55 (58 ref.)

Mechanisms of mammary gland ion transport. Shennan DB. **Comp Biochem Physiol [A]** 1990;97(3):317–24 (73 ref.)

Human intestinal cell lines as in vitro tools for electrolyte transport studies with relevance to secretory diarrhoea. Nath SK, et al. **J Diarrhoeal Dis Res** 1990 Dec;8(4):133–42 (53 ref.)

Cystic fibrosis: an inborn error of cellular electrolyte transport? O'Loughlin EV. **J Paediatr Child Health** 1990 Jun;26(3):126–31 (48 ref.)

Aldosterone-regulated ion transporters in the kidney. Oberleithner H. **Klin Wochenschr** 1990 Nov 16; 68(22):1087–90 (23 ref.)

Immune system control of intestinal ion transport. Hinterleitner TA, et al. **Proc Soc Exp Biol Med** 1991 Jul; 197(3):249–60 (108 ref.)

Phospholipids and electrolyte transport. Yorio T, et al. **Proc Soc Exp Biol Med** 1990 Dec;195(3):293–303 (100 ref.)

Essential hypertension--where are we going? Ives HE. **West J Med** 1990 Oct;153(4):415–20 (38 ref.)

[Ion transport dysfunction in mucoviscidosis. Current status] Frömter E. **Pneumologie** 1990 Oct;44(10):1144–6 (24 ref.) **(Ger)**

PHARMACOLOGY

Modulations of thrombin activity by polyelectrolytes in the presence of antithrombin III. Schiele J, et al. **Semin Thromb Hemost** 1991;17 Suppl 1:35–41 (17 ref.)

THERAPEUTIC USE

Home-based therapy for diarrhea. Snyder JD, et al. **J Pediatr Gastroenterol Nutr** 1990 Nov;11(4):438–47 (96 ref.)

ELECTROLYTIC DEPILATION see **HAIR REMOVAL**

ELECTROMAGNETIC ENERGY see **RADIATION**

ELECTROMAGNETIC FIELDS

Exposure of cells to extremely low-frequency electromagnetic fields: relationship to malignancy? Goodman R, et al. **Cancer Cells** 1990 Nov;2(11):355–9 (37 ref.)

Applications of time-varying magnetic fields in medicine. Stuchly MA. **Crit Rev Biomed Eng** 1990;18(2):89–124 (363 ref.)

Biomagnetic imaging. Schittenhelm R. **Digitale Bilddiagn** 1990 Sep–Dec;10(3–4):76–85 (23 ref.)

Electromagnetic fields: biological and clinical aspects. Tabrah FL, et al. **Hawaii Med J** 1991 Mar;50(3):113–8 (30 ref.)

ELF: exposure levels, bioeffects, and epidemiology. Anderson LE. **Health Phys** 1991 Jul;61(1):41–6 (26 ref.)

VDTs: field levels, epidemiology, and laboratory studies. Kavet R, et al. **Health Phys** 1991 Jul;61(1):47–57 (55 ref.)

Effects of low-energy electromagnetic fields (pulsed and DC) on membrane signal transduction processes in biological systems. Luben RA. **Health Phys** 1991 Jul; 61(1):15–28 (88 ref.)

Influence of magnetic fields on calcium salts crystal formation: an explanation of the 'pulsed electromagnetic field' technique for bone healing. Madroñero A. **J Biomed Eng** 1990 Sep;12(5):410–4 (28 ref.)

The epidemiology of exposure to electromagnetic fields: an overview of the recent literature. Jauchem JR, et al. **J Clin Epidemiol** 1991;44(9):895–906 (118 ref.)

An introduction to the basic principles of magnetic nerve stimulation. Barker AT. **J Clin Neurophysiol** 1991 Jan; 8(1):26–37 (36 ref.)

Magnetic stimulation of the human cerebral cortex, an indicator of reorganization in motor pathways in certain pathological conditions. Cohen LG, et al. **J Clin Neurophysiol** 1991 Jan;8(1):56–65 (60 ref.)

Magnetic stimulation of the peripheral nervous system. Evans BA. **J Clin Neurophysiol** 1991 Jan;8(1):77–84 (27 ref.)

Technical and practical aspects of magnetic nerve stimulation. Jalinous R. **J Clin Neurophysiol** 1991 Jan; 8(1):10–25 (15 ref.)

Stimulation of the human nervous system using the magnetic coil. Maccabee PJ, et al. **J Clin Neurophysiol** 1991 Jan; 8(1):38–55 (85 ref.)

Magnetic stimulation of cortex: clinical applications. Murray NM. **J Clin Neurophysiol** 1991 Jan;8(1):66–76 (55 ref.)

Household magnetic fields and childhood leukemia: a critical analysis. Michaelson SM. **Pediatrics** 1991 Sep;88(3):630–5 (39 ref.)

The neurobiology of magnetic field detection in rodents. Olcese JM. **Prog Neurobiol** 1990;35(4):325–30 (47 ref.)

Cancer risks due to exposure to electromagnetic fields. Thériault G. **Recent Results Cancer Res** 1990;120:166–80 (48 ref.)

[The experimental and clinical aspects of the action of electromagnetic fields on the endocrine glands and brain] Bogoliubov VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1990 May–Jun; (3):58–66 (90 ref.) **(Rus)**

ADVERSE EFFECTS

[Current status of knowledge of the effects of uniform magnetic fields on biological systems during MRI studies] von Klitzing L. **Rontgenpraxis** 1991 May;44(5):156 (0 ref.) **(Ger)**

ELECTROMAGNETIC RADIATION see **RADIATION**

ELECTROMAGNETIC RADIATION, IONIZING see **RADIATION, IONIZING**

ELECTROMAGNETIC RADIATION, NON-IONIZING see **RADIATION, NON-IONIZING**

ELECTROMAGNETIC WAVES see **RADIATION**

ELECTROMYOGRAPHY

The anterior compartment syndrome in the lower leg. Review and role of the EMG examination. Ceyssens C, et al. **Acta Belg Med Phys** 1990 Oct–Dec;13(4):195–9 (25 ref.)

A comparison of facial nerve monitoring systems in cerebellopontine angle surgery. Dickins JR, et al. **Am J Otol** 1991 Jan;12(1):1–6 (19 ref.)

Frequency characteristics of signals and instrumentation: implication for EMG biofeedback studies. Mathieu PA, et al. **Biofeedback Self Regul** 1990 Dec;15(4):335–52 (29 ref.)

Fibrillation potentials and positive sharp waves: are they the same? Kraft GH. **Electroencephalogr Clin Neurophysiol** 1991 Jun;81(3):163–6 (30 ref.)

Pediatric electromyography. Kerman K, et al. **Indian J Pediatr** 1990 Jul–Aug;57(4):469–79 (23 ref.)

AAEM minimonograph #11: Needle examination in clinical electromyography. Daube JR. **Muscle Nerve** 1991 Aug; 14(8):685–700 (29 ref.)

AAEM minimonograph #34: polyneuropathy: classification by nerve conduction studies and electromyography. Donofrio PD, et al. **Muscle Nerve** 1990 Oct;13(10):889–903 (252 ref.)

Invited review: electrodiagnostic assessment and monitoring of motor unit changes in disease. Stålberg E. **Muscle Nerve** 1991 Apr;14(4):293–303 (24 ref.)

Isometric features of orthostatic tremor: an electromyographic analysis. Walker FO, et al. **Muscle Nerve** 1990 Oct;13(10):918–22 (12 ref.)

[Electromyographic study of the mechanism and indications of maxillofacial pain] Han K, et al. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1990 Jul; 25(4):244–5 (16 ref.) **(Chi)**

[Ocular myopathy. III. Further observations on cases of ocular myopathy] Maruo T. **Nippon Ganka Gakkai Zasshi** 1965 Jun;69(6):475–9 (46 ref.) (Eng. Abstr.) **(Jpn)**

TRENDS

Advances in clinical electromyography. Shin DY. **Adv Clin Rehabil** 1990;3:10–60 (157 ref.)

ELECTRON MICROSCOPY see **MICROSCOPY, ELECTRON**

ELECTRON MICROSCOPY, TRANSMISSION see **MICROSCOPY, ELECTRON**

ELECTRON PARAMAGNETIC RESONANCE see **ELECTRON SPIN RESONANCE**

ELECTRON PROBE MICROANALYSIS

Cryofixation methods for ion localization in cells by electron probe microanalysis: a review. Zierold K. **J Microsc** 1991 Feb;161 (Pt 2):357–66 (45 ref.)

Studies of irritant reactions on epidermis: the application of energy dispersive x-ray microanalysis. Lindberg M. **Scanning Microsc** 1991 Mar;5(1):229–37; discussion 237–8 (44 ref.)

Cytology of pollutant metals in marine invertebrates: a review of microanalytical applications. Nott JA. **Scanning Microsc** 1991 Mar;5(1):191–204; discussion 204–5 (90 ref.)

METHODS

Ice crystal damage and radiation effects in relation to microscopy and analysis at low temperatures. Echlin P. **J Microsc** 1991 Jan;161 (Pt 1):159–70 (29 ref.)

From HeLa cell division to infectious diarrhoea. Stephen J, et al. **Scanning Microsc** 1990 Sep;4(3):781–6 (27 ref.)

[X-ray microanalysis--possibilities and methods] von Zglinicki T. **Acta Histochem Suppl** 1990;39:479–84 (36 ref.) (Eng. Abstr.) **(Ger)**

ELECTRON SPIN RESONANCE

Use of electron spin resonance spectroscopy of spin labels for studying drug-induced membrane perturbation. Ondriaš K. **J Pharm Biomed Anal** 1989;7(6):649–75 (282 ref.)

Electron paramagnetic resonance in dermatologic research with particular reference to photodermatology. Fuchs J, et al. **Photodermatol Photoimmunol Photomed** 1990 Dec; 7(6):229–32 (49 ref.)

ELECTRON TRANSPORT

Intra- and intermolecular electron transfer processes in redox proteins. Tollin G, et al. **Arch Biochem Biophys** 1991 May 15;287(1):1–7 (35 ref.)

Redox cycling of radical anion metabolites of toxic chemicals and drugs and the Marcus theory of electron transfer. Mason RP. **Environ Health Perspect** 1990 Jul;87:237–43 (30 ref.)

Electron transfer in proteins: in search of preferential pathways. Farver O, et al. **FASEB J** 1991 Aug;5(11):2554–9 (40 ref.)

Transplasma membrane electron transport in plants. Misra PC. **J Bioenerg Biomembr** 1991 Jun;23(3):425–41 (111 ref.)

Do photosynthetic and respiratory electron transport chains share redox proteins? Scherer S. **Trends Biochem Sci** 1990 Dec;15(12):458–62 (38 ref.)

RADIATION EFFECTS

Photochemical initiation of electron transfer reactions. Cusanovich MA. **Photochem Photobiol** 1991 Jun; 53(6):845–57 (72 ref.)

ELECTRONARCOSIS

see related
ELECTRIC STIMULATION THERAPY

ELECTRONIC DATA PROCESSING see **AUTOMATIC DATA PROCESSING**

ELECTRONICS

TRENDS

Lipid bilayer-based sensors and biomolecular electronics. Tien HT, et al. **Crit Rev Biomed Eng** 1991;18(5):323-40 (133 ref.)

ELECTRONICS, MEDICAL

Video endoscopy, the electronic endoscopy unit and integrated imaging. Sivak MV Jr.
Baillieres Clin Gastroenterol 1991 Mar;5(1):1-18 (8 ref.)
Do electronic fetal heart rate monitors improve delivery outcomes? Kaiser G. **J Fla Med Assoc** 1991 May; 78(5):303-7 (8 ref.)
Electronic endoscopy: its present and future. Takemoto T, et al. **J Gastroenterol Hepatol** 1989 Jan-Feb;4(1):75-80 (4 ref.)
Biomedical signal processing (in four parts). Part 2. The frequency transforms and their inter-relationships. Challis RE, et al. **Med Biol Eng Comput** 1991 Jan;29(1):1-17 (9 ref.)
[Periodic medical examination, update 1989: 4. Electronic surveillance of the fetus during labor and prevention of herpes in newborn infants. The Canadian Study Group on Periodic Medical Examination] **Union Med Can** 1990 Sep-Oct;119(5):254-60 (47 ref.) **(Fre)**

ELECTRONS

Intraoperative radiation therapy for carcinoma of the stomach and pancreas. Abe M, et al.
Front Radiat Ther Oncol 1991;25:258-69; discussion 330-3 (11 ref.)
Intraoperative radiotherapy in gastric and pancreatic carcinoma: a European experience. Calvo FA, et al.
Front Radiat Ther Oncol 1991;25:270-83 (26 ref.)
Intraoperative radiotherapy in thoracic tumors. Calvo FA, et al. **Front Radiat Ther Oncol** 1991;25:307-16 (15 ref.)
Treatment of orbital lymphoid tumors with electron beams. Donaldson SS, et al. **Front Radiat Ther Oncol** 1991; 25:187-200 (15 ref.)
Indications for and results of intraoperative irradiation for locally advanced colorectal cancer. Gunderson LL, et al. **Front Radiat Ther Oncol** 1991;25:284-306; discussion 330-3 (66 ref.)
Treatment planning in electron beam therapy. Hogstrom KR. **Front Radiat Ther Oncol** 1991;25:30-52; discussion 61-3 (21 ref.)
Apparatus, technique and dosimetry of intraoperative electron beam therapy. Jones D.
Front Radiat Ther Oncol 1991;25:233-45 (29 ref.)
Breast cancer: chest wall hyperthermia-electron beam therapy. Kapp DS, et al. **Front Radiat Ther Oncol** 1991; 25:151-68; discussion 180-2 (45 ref.)
Basic physics of electron beam therapy. Khan FM.
Front Radiat Ther Oncol 1991;25:10-29; discussion 61-3 (15 ref.)
Electron beam therapy in children. Kun LE.
Front Radiat Ther Oncol 1991;25:201-6; discussion 207-8 (0 ref.)
Surgical aspects of intraoperative radiation therapy. Merrick HW 3d. **Front Radiat Ther Oncol** 1991;25:209-23 (26 ref.)
Intraoperative radiation therapy for pancreatic, biliary and gastric carcinoma: the US experience. Merrick HW 3d, et al. **Front Radiat Ther Oncol** 1991;25:246-57 (35 ref.)
Radiobiological aspects of electron beams. Meyn RE, et al. **Front Radiat Ther Oncol** 1991;25:53-60 (11 ref.)
Electron beam: the management of head and neck cancer. Million RR, et al. **Front Radiat Ther Oncol** 1991;25:107-27; discussion 132-3 (8 ref.)
External beam electron therapy: pitfalls in treatment planning and deliverance. Olch A, et al.
Front Radiat Ther Oncol 1991;25:64-79 (1 ref.)
Surgical aspects of intraoperative electron beam therapy. Owens JC, et al. **Front Radiat Ther Oncol** 1991;25:224-32 (2 ref.)
Management of vulvar cancer. Perez CA.
Front Radiat Ther Oncol 1991;25:183-6; discussion 207-8 (3 ref.)
The 'boost' in the treatment of early-stage breast cancer: electrons versus interstitial implants. Recht A, et al.
Front Radiat Ther Oncol 1991;25:169-79; discussion 180-2 (22 ref.)
Electron arc therapy of the chest wall for breast cancer: rationale, dosimetry, and clinical aspects. Stewart JR, et al. **Front Radiat Ther Oncol** 1991;25:134-50 (41 ref.)
Electron backscattering. Implication to electron dosimetry. Klevenhagen SC. **Radiol Med (Torino)** 1990 Oct;80(4 Suppl 1):160-2 (10 ref.)
Total-skin electron irradiation for cutaneous T-cell lymphoma: the Northern Israel Oncology Center experience. Kuten A, et al. **Strahlenther Onkol** 1991 Jul; 167(7):392-6 (25 ref.)

ELECTROOCULOGRAPHY

METHODS

Oculography and techniques for eye movement recording. Lueck CJ, et al. **Bull Soc Belge Ophtalmol** 1989;237:485-502 (79 ref.)

ELECTROPHORESIS

Genetic typing using automated electrophoresis and fluorescence detection. Robertson J, et al.
Experientia Suppl 1991;58:391-8 (10 ref.)
Analytical isotachophoresis in biological monitoring of exposure to industrial chemicals. Sollenberg J.
J Chromatogr 1991 Jun 7;545(2):369-74 (19 ref.)

METHODS

Capillary electrophoresis: present state of art. Foret F, et al. **Electrophoresis** 1990 Sep;11(9):661-4 (104 ref.)
Zone broadening in electrophoresis with special reference to high-performance electrophoresis in capillaries: an interplay between theory and practice. Hjertén S.
Electrophoresis 1990 Sep;11(9):665-90 (53 ref.)
Recent advances in capillary electrophoresis of proteins, peptides and amino acids. Novotny MV, et al.
Electrophoresis 1990 Sep;11(9):735-49 (81 ref.)
Applications of capillary electrophoresis for industrial analysis. Stover FS. **Electrophoresis** 1990 Sep;11(9):750-6 (56 ref.)
Recent developments in electrophoretic methods. Righetti PG. **J Chromatogr** 1990 Sep 7;516(1):3-22 (79 ref.)
[Use of multilocus enzyme electrophoresis for bacterial population genetics, classification and molecular epidemiology] Duan G, et al.
Chung Hua Liu Hsing Ping Hsueh Tsa Chih 1991 Jun; 12(3):177-81 (25 ref.) **(Chi)**
[Capillary electrophoresis: principle and applications] Robert F, et al. **Ann Biol Clin (Paris)** 1991;49(3):137-48 (54 ref.) (Eng. Abstr.) **(Fre)**
[Current methods of electrophoresis (review of the literature)] Larskiĭ EG. **Lab Delo** 1990;(9):4-12 (41 ref.) **(Rus)**

ELECTROPHORESIS, AGAR GEL

Genetics of diabetes. Studies of MHC haplotypes by pulsed field gel electrophoresis. Dawkins RL, et al.
Baillieres Clin Endocrinol Metab 1991 Jun;5(2):285-97 (27 ref.)
Fluctuating bond model of DNA gel electrophoresis. Schönherr G, et al. **Electrophoresis** 1991 Jun;12(6):432-5 (25 ref.)

METHODS

Sieving by agarose gels and its use during pulsed-field electrophoresis. Serwer P. **Biotechnol Genet Eng Rev** 1990; 8:319-43 (127 ref.)

ELECTROPHORESIS, AGAROSE GEL see **ELECTROPHORESIS, AGAR GEL**

ELECTROPHORESIS, POLYACRYLAMIDE GEL

Sequence analysis of proteins separated by polyacrylamide gel electrophoresis: towards an integrated protein database. Aebersold R, et al. **Electrophoresis** 1990 Jul;11(7):517-27 (89 ref.)
Mechanisms of protein silver staining in polyacrylamide gels: a 10-year synthesis. Rabilloud T. **Electrophoresis** 1990 Oct; 11(10):785-94 (63 ref.)

ELECTROPHYSIOLOGY

Finite element analysis of bioelectric phenomena. Miller CE, et al. **Crit Rev Biomed Eng** 1990;18(3):207-33 (73 ref.)
Electrophysiological assessment of nociception in normals and patients: the use of nociceptive reflexes. García-Larrea L, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990; 41:102-18 (70 ref.)
The fundamental law of electrostimulation and its application to defibrillation. Irnich W. **PACE** 1990 Nov;13(11 Pt 1):1433-47 (78 ref.)
Electrosensory systems in fish. Heiligenberg W. **Synapse** 1990;6(2):196-206 (86 ref.)
[Value and limitations of Holter monitoring and electrophysiologic testing in the evaluation of the treatment of sustained monomorphic ventricular tachycardia] Aouate P, et al. **Arch Mal Coeur** 1990 Dec;83(14):2031-7 (28 ref.) (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

High-quality recording of bioelectric events. Part 1. Interference reduction, theory and practice. Metting van Rijn AC, et al. **Med Biol Eng Comput** 1990 Sep;28(5):389-97 (21 ref.)

METHODS

A review of techniques employed to estimate the number of motor units in a muscle. Slawnych MP, et al.
Muscle Nerve 1990 Nov;13(11):1050-64 (68 ref.)

ELECTRORETINOGRAPHY

Visually evoked potentials and electroretinography in neurologic evaluation. Weinstein GW, et al. **Neurol Clin** 1991 Feb;9(1):225-42 (111 ref.)

ELECTROSHOCK

ADVERSE EFFECTS

Electronic weaponry--a question of safety [published erratum appears in Ann Emerg Med 1991 Sep;20(9):1031] O'Brien DJ. **Ann Emerg Med** 1991 May;20(5):583-7 (33 ref.)

ELECTROSHOCK THERAPY see **ELECTROCONVULSIVE THERAPY**

ELECTROSURGERY

The urological application of electrosurgery. Kramolowsky EV, et al. **J Urol** 1991 Sep;146(3):669-74 (36 ref.)

ADVERSE EFFECTS

Electrosurgery-induced endotracheal tube ignition during tracheotomy. Aly A, et al. **Ann Otol Rhinol Laryngol** 1991 Jan;100(1):31-3 (6 ref.)

ELECTROTHERAPY see **ELECTRIC STIMULATION THERAPY**

ELECTROVERSION, CARDIAC see **ELECTRIC COUNTERSHOCK**

ELEPHANTIASIS, FILARIAL

COMPLICATIONS

[Clinical manifestations of lymphatic bancroftian filariasis] Dreyer G, et al. **AMB Rev Assoc Med Bras** 1989 Oct-Dec; 35(5):189-96 (70 ref.) (Eng. Abstr.) **(Por)**

DIAGNOSIS

Parasite antigenemia in lymphatic filariasis. Weil GJ.
Exp Parasitol 1990 Oct;71(3):353-6 (16 ref.)

DRUG THERAPY

Experimental chemotherapy of lymphatic filariasis. A review. Mak JW, et al. **Ann Trop Med Parasitol** 1991 Feb; 85(1):131-7 (30 ref.)

EPIDEMIOLOGY

Filariasis in Ceylon then (1961) and in Sri Lanka now (1990-30 years on). Dissanaike AS.
Ann Trop Med Parasitol 1991 Feb;85(1):123-9 (42 ref.)
Sex differentials in susceptibility to lymphatic filariasis and implications for maternal child immunity. Brabin L.
Epidemiol Infect 1990 Oct;105(2):335-53 (78 ref.)

IMMUNOLOGY

Immunoepidemiology of lymphatic filariasis: the relationship between infection and disease. Bundy DA, et al.
Immunol Today 1991 Mar;12(3):A71-5 (20 ref.)

PREVENTION & CONTROL

[Advances in filariasis control and research in China during 1986-1990. National Technical Steering Group for Filariasis Control and Research, MOPH]
Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1991;9(2):81-5 (16 ref.) (Eng. Abstr.) **(Chi)**

TRANSMISSION

Can anopheline-transmitted filariasis be eradicated? Webber RH. **J Trop Med Hyg** 1991 Aug;94(4):241-4 (19 ref.)

ELIGIBILITY DETERMINATION

see related
DISABILITY EVALUATION

ELIMINATIVE BEHAVIOR, ANIMAL

Cat elimination behavior problems. Borchelt PL.
Vet Clin North Am Small Anim Pract 1991 Mar; 21(2):257-64 (8 ref.)

ELISA see **ENZYME-LINKED IMMUNOSORBENT ASSAY**

ELLIPTICINES

PHARMACOLOGY

Redox parameters associated to cytotoxic and antitumor activities in the series of antitumor drugs ellipticines and derivatives. Auclair C. **Adv Exp Med Biol** 1990;264:317-22 (27 ref.)

ELLIPTOCYTOSIS, HEREDITARY

see related
ANEMIA, SIDEROBLASTIC

BLOOD

Clinical and molecular aspects of disorders of the erythrocyte membrane skeleton. Gallagher PG, et al. **Semin Perinatol** 1990 Oct;14(5):351–67 (178 ref.)

GENETICS

Genetics of the red cell membrane skeleton. Palek J, et al. **Semin Hematol** 1990 Oct;27(4):290–332 (368 ref.)

EMBOLIC TUMOR CELLS see **NEOPLASM CIRCULATING CELLS**

EMBOLISM

COMPLICATIONS

Of birds and nests and brain emboli. Caplan LR. **Rev Neurol (Paris)** 1991;147(4):265–73 (60 ref.)

ETIOLOGY

Complications of anomalous origin of the right subclavian artery: case report and review of the literature. Akers DL Jr, et al. **Ann Vasc Surg** 1991 Jul;5(4):385–8 (19 ref.)

Acute aortic occlusion secondary to Aspergillus endocarditis in an intravenous drug abuser. Light JT Jr, et al. **Ann Vasc Surg** 1991 May;5(3):271–5 (14 ref.)

Atheroembolization: case report and review [clinical conference] Rosenbloom MS. **Del Med J** 1991 Mar; 63(3):159–64 (27 ref.)

Plastic bullet arterial embolization following gunshot injury to the heart. Case report and review of the literature. Walden R, et al. **J Cardiovasc Surg (Torino)** 1990 Jul–Aug; 31(4):482–5 (34 ref.)

Intravascular missile embolization in childhood: report of a case, literature review, and recommendations for management. Massad M, et al. **J Pediatr Surg** 1990 Dec; 25(12):1292–4 (20 ref.)

Digital artery embolization as a result of fibromuscular dysplasia of the brachial artery. Cheu HW, et al. **J Vasc Surg** 1991 Aug;14(2):225–8 (20 ref.)

Cholesterol crystal embolisation. van Jaarsveld BC, et al. **Neth J Med** 1991 Feb;38(1–2):86–92 (60 ref.)

[Embolism caused by cholesterol] Godeau P, et al. **J Mal Vasc** 1991;16(1):58–66 (21 ref.) **(Fre)**

[Atheroembolic disease. Presentation of a case of multisystemic involvement and review of the literature] Maduell F, et al. **Rev Med Univ Navarra** 1989 Apr–Jun; 33(2):77–9 (31 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

[Nonsurgical recanalization of tibial arteries. Balloon dilatation, local fibrinolysis and aspiration embolectomy] Teifke A, et al. **Fortschr Med** 1991 Mar 30;109(9):208–9 (9 ref.) (Eng. Abstr.) **(Ger)**

[Emergency measures in acute arterial vascular occlusions] Leyhe A. **Internist (Berl)** 1991 Apr;32(4):164–9 (16 ref.) **(Ger)**

[Clinico–therapeutic considerations on arterial embolism of the legs] Ippoliti A, et al. **G Chir** 1988 Jun;9(6):438–42 (47 ref.) **(Ita)**

ULTRASONOGRAPHY

Impending paradoxical embolism: a rare but important diagnosis. Speechly-Dick ME, et al. **Br Heart J** 1991 Mar; 65(3):163–5 (12 ref.)

EMBOLISM, AIR

ETIOLOGY

Hepatic portal venous gas: an unusual presentation of Crohn's disease. Kirsch M, et al. **Am J Gastroenterol** 1990 Nov; 85(11):1521–3 (29 ref.)

Risk containment during cardiopulmonary bypass. Kurusz M, et al. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):400–9 (28 ref.)

[Venous air embolism following repositioning from sitting to supine] Inomata S, et al. **Masui** 1991 Feb;40(2):313–8 (26 ref.) (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

[Antishock trousers in the prevention of air embolism] Meyer P, et al. **Ann Fr Anesth Reanim** 1990;9(6):475–9 (23 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

[Diving accidents (3). Treatment of dysbaric embolism disorders] Desola Alá J. **Med Clin (Barc)** 1990 Sep 8; 95(7):265–75 (108 ref.) **(Spa)**

EMBOLISM, AMNIOTIC FLUID

Amniotic and thromboembolism. Chatelain SM, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):473–81 (18 ref.)

EMBOLISM, FAT

The fat embolism syndrome. A review. Levy D. **Clin Orthop** 1990 Dec;(261):281–6 (50 ref.)

COMPLICATIONS

Colon perforation due to cholesterol embolism. Anderson WR, et al. **Hum Pathol** 1991 Aug;22(8):839–41 (18 ref.)

ETIOLOGY

Orthopedic complications. Compartment syndrome, fat embolism syndrome, and venous thromboembolism. Slye DA. **Nurs Clin North Am** 1991 Mar;26(1):113–32 (58 ref.)

[An often ignored complication of left heart catheterization: embolism of cholesterol crystals. Report of 9 cases] Mycinski C, et al. **Arch Mal Coeur** 1990 Oct;83(11):1643–50 (30 ref.) (Eng. Abstr.) **(Fre)**

[Cholesterol embolism of the kidney] Meyrier A, et al. **Dtsch Med Wochenschr** 1990 Dec 14;115(50):1917–20 (16 ref.) **(Ger)**

EMBOLISM, GAS see **EMBOLISM, AIR**

EMBOLISM, TUMOR see **NEOPLASM CIRCULATING CELLS**

EMBOLIZATION, THERAPEUTIC

Intrahepatic spontaneous arterioportal fistula: duplex ultrasound diagnosis and angiographic treatment. Tarazov PG, et al. **Am J Gastroenterol** 1991 Jun;86(6):775–8 (38 ref.)

Arterial embolization in the management of liver metastases. Allison DJ, et al. **Cardiovasc Intervent Radiol** 1990 Jun–Jul; 13(3):161–8 (24 ref.)

Interventional treatment of hepatic arterial and venous pathology: a commentary. Rösch J, et al. **Cardiovasc Intervent Radiol** 1990 Jun–Jul;13(3):183–8 (21 ref.)

Hepatic artery infusion and chemoembolization in the management of liver metastases. Wallace S, et al. **Cardiovasc Intervent Radiol** 1990 Jun–Jul;13(3):153–60 (56 ref.)

Transcatheter occlusive procedures in congenital heart disease [editorial] Khalilullah M. **Indian Heart J** 1990 Mar–Apr;42(2):83–4 (18 ref.)

Pancreatic arteriovenous malformation treated by transcatheter embolization: report of a case with hepatocellular carcinoma. Kato T, et al. **Radiat Med** 1991 Jan–Feb;9(1):19–21 (14 ref.)

Varicoceles. Radiologic diagnosis and treatment. Demas BE, et al. **Radiol Clin North Am** 1991 May;29(3):619–27 (48 ref.)

[Techniques, results and risks of chemoembolization of malignant liver tumors] Gross–Fengels W, et al. **Aktuelle Radiol** 1991 May;1(3):97–104 (58 ref.) (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

[Treatment of pulmonary arteriovenous aneurysms by vaso–occlusion. Technique and results after a year] Rémy J, et al. **Ann Chir** 1990;44(8):681–7 (30 ref.) (Eng. Abstr.) **(Fre)**

[Indications for interventional neuroradiology. Arterial lysis, angioplasty and embolizing procedures] Grzyska U, et al. **Fortschr Med** 1991 Mar 30;109(9):199–203 (23 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Chemoembolism in cancer chemotherapy. Kerr DJ, et al. **Crit Rev Ther Drug Carrier Syst** 1991;8(1):19–37 (57 ref.)

Bronchial artery embolization therapy. Roberts AC. **J Thorac Imaging** 1990 Oct;5(4):60–72 (75 ref.)

Interventional angiography for primary and secondary hepatic malignancies: a review. Takayasu K. **Jpn J Clin Oncol** 1990 Sep;20(3):225–31 (64 ref.)

[Current status of embolization materials] Kauffmann GW, et al. **Rontgenpraxis** 1991 May;44(5):146–9 (2 ref.) **(Ger)**

[Transcatheter embolization of huge renal arteriovenous aneurysm: a case report—review of 270 cases of renal arteriovenous fistula reported in Japan] Mishina M, et al. **Hinyokika Kiyo** 1991 Mar;37(3):273–7 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Duodenal varices treated successfully by percutaneous transhepatic obliteration: report of a case] Ohta T, et al. **Hokkaido Igaku Zasshi** 1991 Jan;66(1):79–85 (27 ref.) (Eng. Abstr.) **(Jpn)**

[Correction of secondary hypersplenism in the surgical treatment of portal hypertension] Kalita Nla, et al. **Vestn Khir** 1991 Mar;146(3):137–40 (54 ref.) **(Rus)**

EMBRYO

see related
CELL DIFFERENTIATION
GESTATIONAL AGE

Freezing techniques and results. Muasher SJ. **Curr Opin Obstet Gynecol** 1989 Oct;1(1):67–72 (17 ref.)

ANATOMY & HISTOLOGY

Embryonic ultrasonographic measurements: crown–rump length revisited. Goldstein SR. **Am J Obstet Gynecol** 1991 Sep;165(3):497–501 (18 ref.)

CYTOLOGY

Cell lineage and differentiation during growth of the early mammalian embryo. Gardner RL. **Proc Nutr Soc** 1990 Jul; 49(2):269–79 (64 ref.)

DRUG EFFECTS

Effects of ethanol exposure on the embryo–fetus: experimental considerations, mechanisms, and the role of prostaglandins. Smith GN, et al. **Can J Physiol Pharmacol** 1991 May;69(5):550–69 (173 ref.)

Whole embryo culture and teratogenesis. Steele CE. **Hum Reprod** 1991 Jan;6(1):144–7 (29 ref.)

[Late toxic effects of chlorophos (review of the literature)] Nedopitanskaia NN, et al. **Gig Sanit** 1991 Mar;(3):61–4 (69 ref.) **(Rus)**

GROWTH & DEVELOPMENT

Cocultures: a new lead in embryo quality improvement for assisted reproduction. Bongso A, et al. **Fertil Steril** 1991 Aug;56(2):179–91 (80 ref.)

The culture of postimplantation embryos. New DA. **Hum Reprod** 1991 Jan;6(1):58–63 (40 ref.)

The zona pellucida genes encode essential proteins for mammalian fertilization and early embryogenesis. Dean J. **Proc Soc Exp Biol Med** 1991 Feb;196(2):141–6 (24 ref.)

IMMUNOLOGY

Macrophages and migratory cells in endometrium relevant to implantation. Lea RG, et al. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):25–59 (181 ref.)

Expression of human major histocompatibility antigens on germ cells and early preimplantation embryos. Desoye G, et al. **Lab Invest** 1991 Mar;64(3):306–12 (81 ref.)

METABOLISM

Embryo–derived platelet activating factor: interactions with the arachidonic acid cascade and the establishment and maintenance of pregnancy. O'Neill C, et al. **Reprod Fertil Dev** 1990;2(5):423–41 (83 ref.)

PATHOLOGY

Examination of the early conceptus. Szulman AE. **Arch Pathol Lab Med** 1991 Jul;115(7):696–700 (24 ref.)

PHYSIOLOGY

Translational control during early development. Richter JD. **Bioessays** 1991 Apr;13(4):179–83 (34 ref.)

Equilibrium, quasi–equilibrium, and nonequilibrium freezing of mammalian embryos. Mazur P. **Cell Biophys** 1990 Aug; 17(1):53–92 (65 ref.)

A physiological role for PAF in the stimulation of mammalian embryonic development. O'Neill C. **Trends Pharmacol Sci** 1991 Mar;12(3):82–4 (20 ref.)

RADIATION EFFECTS

Can prenatal irradiation protect the embryo from tumor development? Einhorn L. **Acta Oncol** 1991;30(3):291–9 (100 ref.)

EMBRYO, CHICK see **CHICK EMBRYO**

EMBRYO DEVELOPMENT see **FETAL DEVELOPMENT**

EMBRYO, NON-MAMMALIAN

DRUG EFFECTS

The case for a cause–effect linkage between environmental contamination and development in eggs of the common snapping turtle (Chelydra S.serpentina) from Ontario, Canada. Bishop CA, et al. **J Toxicol Environ Health** 1991 Aug;33(4):521–47 (54 ref.)

Great Lakes embryo mortality, edema, and deformities syndrome (GLEMEDS) in colonial fish–eating birds: similarity to chick–edema disease. Gilbertson M, et al. **J Toxicol Environ Health** 1991 Aug;33(4):455–520 (202 ref.)

GROWTH & DEVELOPMENT

Pattern formation during animal development. Melton DA. **Science** 1991 Apr 12;252(5003):234–41 (76 ref.)

PHYSIOLOGY

Growth factors as inducing agents in early Xenopus development. Slack JM. **J Cell Sci Suppl** 1990;13:119–30 (36 ref.)

Intracellular free calcium and the first cell cycle of the sea–urchin embryo (Lytechinus pictus). Steinhardt RA. **J Reprod Fertil Suppl** 1990;42:191–7 (24 ref.)

ULTRASTRUCTURE

Gap genes and gradients—the logic behind the gaps.

Hülskamp M, et al. **Bioessays** 1991 Jun;13(6):261–8 (50 ref.)

EMBRYO, PREIMPLANTATION see **BLASTOCYST**

EMBRYO TRANSFER

Fertilization and implantation. Boyers SP.
Curr Opin Obstet Gynecol 1989 Oct;1(1):45–54 (33 ref.)
Oocyte and embryo donation. Nulsen JC, et al.
Curr Opin Obstet Gynecol 1989 Oct;1(1):55–9 (9 ref.)
Cocultures: a new lead in embryo quality improvement for assisted reproduction. Bongso A, et al. **Fertil Steril** 1991 Aug;56(2):179–91 (80 ref.)
In vitro fertilization–embryo transfer in nonhuman primates: the technique and its applications. Wolf DP, et al.
Mol Reprod Dev 1990 Nov;27(3):261–80 (153 ref.)
[Medical aspects of diagnosis before implantation] Boué A. **Reprod Nutr Dev** 1990;Suppl 1:133s–137s (6 ref.) (Eng. Abstr.) **(Fre)**
[Indications for and results of in-vitro fertilization (IVF), intratubal gamete- (GIFT) and embryo transfer (EIFT)] Diedrich K, et al. **Gynakologe** 1990 Aug;23(4):186–95 (33 ref.) **(Ger)**

TRENDS

Human oocyte and preembryo donation: an evolving method for the treatment of infertility. Sauer MV, et al.
Am J Obstet Gynecol 1990 Nov;163(5 Pt 1):1421–4 (19 ref.)

EMBRYONAL CARCINOMA CELLS see **TUMOR STEM CELLS**

EMBRYONIC INDUCTION

Cellular and genetic responses to mesoderm induction in Xenopus. Hopwood ND. **Bioessays** 1990 Oct;12(10):465–71 (44 ref.)
Regional neural induction in Xenopus laevis. Sharpe CR. **Bioessays** 1990 Dec;12(12):591–6 (27 ref.)
Susceptibility of epithelia to directive influences of mesenchymes during organogenesis: uncoupling of morphogenesis and cytodifferentiation. Mizuno T, et al. **Cell Differ Dev** 1990 Sep;31(3):151–9 (67 ref.)
Inductive interactions in early amphibian development. New HV, et al. **Curr Opin Cell Biol** 1990 Dec;2(6):969–74 (31 ref.)
Neural induction. Saxén L. **Int J Dev Biol** 1989 Mar; 33(1):21–48 (210 ref.)
Horizontal and vertical pathways in neural induction. Guthrie S. **Trends Neurosci** 1991 Apr;14(4):123–6 (32 ref.)

DRUG EFFECTS

Retinoic acid: the morphogen of the main body axis? Green JB. **Bioessays** 1990 Sep;12(9):437–9 (18 ref.)

GENETICS

Mechanisms for the control of gene activity during development. Holliday R. **Biol Rev Camb Philos Soc** 1990 Nov;65(4):431–71 (199 ref.)

PHYSIOLOGY

Regulations in the induction of the organized neural system in amphibian embryos. Yamada T. **Development** 1990 Nov; 110(3):653–9 (70 ref.)
Signal transduction during mesoderm induction in Xenopus. Whitman M, et al. **J Reprod Fertil Suppl** 1990;42:249–54 (41 ref.)

EMBRYOPATHIES see **FETAL DISEASES**

EMBRYOS, PLANT see **SEEDS**

EMBRYOTOMY see **ABORTION, INDUCED**

EMBRYOTOXINS see **TERATOGENS**

EMERGENCIES

see related
CRISIS INTERVENTION
CRITICAL CARE
EMERGENCY SERVICE, HOSPITAL
FIRST AID

Testicular torsion: a surgical emergency. Prater JM, et al. **Am Fam Physician** 1991 Sep;44(3):834–40 (25 ref.)
Status epilepticus. II: Treatment. Brown JK, et al.
Dev Med Child Neurol 1991 Feb;33(2):97–109 (31 ref.)
Non-pelvic abdominal ultrasound: an overview for emergency physicians. Spitz HB. **J Emerg Med** 1984; 1(6):509–20 (32 ref.)
Rapid sequence anesthesia induction for emergency intubation. Yamamoto LG, et al. **Pediatr Emerg Care** 1990 Sep;6(3):200–13 (100 ref.)
[Respiratory emergencies in childhood] Rossi R, et al. **Fortschr Med** 1991 Apr 20;109(12):253–7 (0 ref.) (Eng. Abstr.) **(Ger)**
[Surgical techniques in Crohn disease and ulcerative colitis] Waninger J, et al. **Fortschr Med** 1991 Apr 10;109(11):242–4 (0 ref.) (Eng. Abstr.) **(Ger)**
[Emergency measures in respiratory failure] Bohn P, et al. **Internist (Berl)** 1991 Apr;32(4):170–4 (27 ref.) **(Ger)**
[Preoperative cardiovascular risk assessment] Erdmann E. **Internist (Berl)** 1991 Apr;32(4):220–5 (25 ref.) **(Ger)**
[Endoscopic hemostasis of the upper digestive tract] Frimberger E, et al. **Internist (Berl)** 1991 Apr;32(4):190–8 (74 ref.) **(Ger)**
[Diagnosis and therapy of life-threatening disorders of water and electrolyte balance] Kemmer FW, et al.
Internist (Berl) 1991 Apr;32(4):206–19 (87 ref.) **(Ger)**
[Ventilating the cardiac patient] Kohl FV. **Internist (Berl)** 1991 Apr;32(4):199–205 (45 ref.) **(Ger)**
[Emergency measures in acute arterial vascular occlusions] Leyhe A. **Internist (Berl)** 1991 Apr;32(4):164–9 (16 ref.) **(Ger)**
[Endocrine coma] Müller OA. **Internist (Berl)** 1991 Apr; 32(4):181–9 (27 ref.) **(Ger)**
[Food poisoning] Weilemann LS, et al. **Internist (Berl)** 1991 Apr;32(4):175–80 (14 ref.) **(Ger)**
[Neuroradiologic emergency diagnosis and therapy of cranial diseases] Wakhloo AK, et al. **Radiologe** 1991 Jan;31(1):21–9 (38 ref.) (Eng. Abstr.) **(Ger)**
[Life-threatening complications and death in anorexia nervosa] Backmund H, et al.
Schweiz Arch Neurol Psychiatr 1990;141(5):419–28 (40 ref.) (Eng. Abstr.) **(Ger)**
[Radiotherapy as an emergency measure] Frey B, et al.
Schweiz Rundsch Med Prax 1991 Mar 26;80(13):325–30 (43 ref.) (Eng. Abstr.) **(Ger)**
[Therapy and prevention of hemorrhage from esophageal varices] Holstege A, et al. **Z Gastroenterol** 1990 Jun; 28(6):302–14 (185 ref.) (Eng. Abstr.) **(Ger)**
[Emergency and critical care problems: acute intestinal ischemia] Encke A. **Z Gastroenterol Verh** 1991 Mar;26:33–4 (18 ref.) **(Ger)**
[Treatment of severe hypertension in pregnancy] Oney T, et al. **Z Geburtshilfe Perinatol** 1991 Jan–Feb;195(1):1–9 (72 ref.) (Eng. Abstr.) **(Ger)**
[Traumatic hip dislocation during the years of growth. A review of the literature] Rieger H, et al. **Zentralbl Chir** 1991;116(3):155–63 (33 ref.) (Eng. Abstr.) **(Ger)**

EMERGENCY CARE see **EMERGENCY MEDICAL SERVICES**

EMERGENCY HEALTH SERVICES see **EMERGENCY MEDICAL SERVICES**

EMERGENCY MEDICAL SERVICES

see related
FIRST AID

Study design in prehospital trauma advanced life support–basic life support research: a critical review. Jones SE, et al. **Ann Emerg Med** 1991 Aug;20(8):857–60 (23 ref.)
Management of major status epilepticus in adults [see comments] O'Brien MD. **BMJ** 1990 Oct 20;301(6757):918 (0 ref.) Comment in: BMJ 1990 Dec 8;301(6764):1331–2.
Recommended guidelines for uniform reporting of data on out-of-hospital cardiac arrests: the "Utstein style" [editorial] Swanson RW. **Can Med Assoc J** 1991 Sep 1; 145(5):407–10 (0 ref.)
Emergency treatment of allergic reactions to Hymenoptera stings. Müller U, et al. **Clin Exp Allergy** 1991 May; 21(3):281–8 (51 ref.)
Pediatric disaster medicine. Holbrook PR. **Crit Care Clin** 1991 Apr;7(2):463–70 (31 ref.)
Equipping and preparing the office for emergencies. Sapien R, et al. **Pediatr Ann** 1990 Nov;19(11):659–67 (17 ref.)
Initial management of trauma. The first 5 minutes. Barton RG, et al. **Postgrad Med** 1990 Oct;88(5):83–90 (20 ref.)
[The role of the anesthetist in the care of burn patients] Balogh D, et al. **Cah Anesthesiol** 1990 Oct;38(4):277–9 (10 ref.) **(Fre)**

LEGISLATION & JURISPRUDENCE

Medicolegal issues in pediatric and adolescent emergencies. Rice MM. **Emerg Med Clin North Am** 1991 Aug; 9(3):677–95 (96 ref.)

METHODS

Emergency department approach to managing seizures in pregnancy. Jagoda A, et al. **Ann Emerg Med** 1991 Jan; 20(1):80–5 (78 ref.)

ORGANIZATION & ADMINISTRATION

Search, rescue, and evacuation. Barbera JA, et al.
Crit Care Clin 1991 Apr;7(2):321–37 (65 ref.)
Pediatric transport issues in emergency medicine. McCloskey KA, et al. **Emerg Med Clin North Am** 1991 Aug;9(3):475–89 (30 ref.)
[Statewide system approach to the organization of trauma care services—a way to improve the quality of care to the injured] Marganitt B, et al. **Harefuah** 1990 Jul; 119(1–2):18–23 (44 ref.) **(Heb)**
[Organization and rendering medical services in peace-time disasters] Tsybuliak GN. **Vestn Khir** 1990 Jul;145(7):132–5 (17 ref.) **(Rus)**
[Emergency medical services in the United States (minireview)] Vosk A. **Vestn Khir** 1991 Jan;146(1):128–32 (8 ref.) **(Rus)**
[The organization of medical first aid in catastrophes] Gazetov BM, et al. **Voen Med Zh** 1990 Oct;(10):17–20 (0 ref.) **(Rus)**
[The planning of medical support for operations to eliminate the aftereffects of large-scale radiation accidents (a review of the literature] Lisovskii IV, et al. **Voen Med Zh** 1991 Jan;(1):24–7 (16 ref.) **(Rus)**

STANDARDS

Recommended guidelines for uniform reporting of data from out-of-hospital cardiac arrest: the Utstein Style. Task Force of the American Heart Association, the European Resuscitation Council, the Heart and Stroke Foundation of Canada, and the Australian Resuscitation Council [see comments] Cummins RO, et al. **Ann Emerg Med** 1991 Aug; 20(8):861–74 (90 ref.) Comment in: Ann Emerg Med 1991 Aug;20(8):918–9.
Recommended guidelines for uniform reporting of data from out-of-hospital cardiac arrest: the Utstein Style. A statement for health professionals from a task force of the American Heart Association, the European Resuscitation Council, the Heart and Stroke Foundation of Canada, and the Australian Resuscitation Council. Cummins RO, et al. **Circulation** 1991 Aug;84(2):960–75 (90 ref.)
Assessment of prehospital and hospital response in disaster. Ricci E, et al. **Crit Care Clin** 1991 Apr;7(2):471–84 (33 ref.)
The impact of pediatric HIV infection on emergency services. Melish ME. **Emerg Med Clin North Am** 1991 Aug; 9(3):655–67 (26 ref.)

TRENDS

Advances in pediatric emergency medical service systems. Foltin G, et al. **Emerg Med Clin North Am** 1991 Aug; 9(3):459–74 (63 ref.)

EMERGENCY MEDICAL TECHNICIANS

1989 LeTourneau Award. When universal precautions fail. Communicable disease notification laws for emergency responders. Steele LJ. **J Leg Med** 1990 Dec;11(4):451–80 (121 ref.)

STANDARDS

Prevention of HIV transmission in the workplace: category II (emergency service) workers. Mueller K.
Am Ind Hyg Assoc J 1991 Feb;52(2):A104–7 (13 ref.)
Foregoing prehospital care: should ambulance staff always resuscitate? [see comments] Iserson KV. **J Med Ethics** 1991 Mar;17(1):19–24 (32 ref.) Comment in: J Med Ethics 1991 Mar;17(1):3–4.

EMERGENCY MEDICINE

Statistical concepts and methods for the reader of clinical studies in emergency medicine. Lewis RJ, et al.
J Emerg Med 1991 Jul–Aug;9(4):221–32 (92 ref.)
Emergency medicine. Barsan WG. **JAMA** 1991 Jun 19; 265(23):3115–8 (16 ref.)
Pediatric HIV infection for the emergency physician: epidemiology and overview. Crain EF, et al.
Pediatr Emerg Care 1990 Sep;6(3):214–8 (27 ref.)
[6th consensus conference on intensive care and emergency medicine. Thoracic radiographies and skull radiographies in emergencies] **J Radiol** 1990 Dec;71(12):691–3 (0 ref.) **(Fre)**
[Disaster medicine and the military medical aspect of the problem of shock] Sherman DM. **Voen Med Zh** 1991 May; (5):11–5 (44 ref.) **(Rus)**

METHODS

Anterior shoulder dislocation: a review of reduction techniques. Riebel GD, et al. **Am J Emerg Med** 1991 Mar; 9(2):180–8 (36 ref.)
Alcoholic ketoacidosis. Adams SL.
Emerg Med Clin North Am 1990 Nov;8(4):749–60 (97 ref.)
The other alcohols. Methanol, ethylene glycol, and isopropanol. Burkhart KK, et al.
Emerg Med Clin North Am 1990 Nov;8(4):913–28 (132 ref.)
Alcoholic liver disease. Groover JR.
Emerg Med Clin North Am 1990 Nov;8(4):887–902 (138 ref.)
Pancreatitis. Hodgdon AK, et al.
Emerg Med Clin North Am 1990 Nov;8(4):873–85 (40 ref.)
Alcohol withdrawal syndromes. McMicken DB.
Emerg Med Clin North Am 1990 Nov;8(4):805–19 (103 ref.)
Acute intoxication. Marco CA, et al.
Emerg Med Clin North Am 1990 Nov;8(4):731–48 (58 ref.)
Alcohol and trauma. Marx J. **Emerg Med Clin North Am** 1990 Nov;8(4):929–38 (96 ref.)
Neurologic complications of alcoholism. Wrenn KD, et al.
Emerg Med Clin North Am 1990 Nov;8(4):835–58 (161 ref.)
Seizures in the alcoholic patient. Young GP.
Emerg Med Clin North Am 1990 Nov;8(4):821–33 (39 ref.)
Trauma to elbows, knees, and ankles. Hodge D 3d, et al.
Pediatr Emerg Care 1991 Jun;7(3):188–94 (8 ref.)

TRENDS

Indigent health care in emergency medicine: an academic perspective. Lowe RA, et al. **Ann Emerg Med** 1991 Jul; 20(7):790–4 (65 ref.)

EMERGENCY MOBILE UNITS see AMBULANCES

EMERGENCY OUTPATIENT UNIT see EMERGENCY SERVICE, HOSPITAL

EMERGENCY SERVICE, HOSPITAL

Endocarditis in the emergency department. Delaney KA. **Ann Emerg Med** 1991 Apr;20(4):405–14 (62 ref.)
Evaluation of behavioral and cognitive changes: the mental status examination. Bauer J, et al. **Emerg Med Clin North Am** 1991 Feb;9(1):1–12 (45 ref.)
Acute psychosis. Functional versus organic. Frame DS, et al. **Emerg Med Clin North Am** 1991 Feb;9(1):123–36 (36 ref.)
Psychological reaction to hospitalization and illness in the emergency department. Heiskell LE, et al. **Emerg Med Clin North Am** 1991 Feb;9(1):207–18 (45 ref.)
Anxiety. Kercher EE. **Emerg Med Clin North Am** 1991 Feb; 9(1):161–87 (82 ref.)
The somatic patient. Purcell TB. **Emerg Med Clin North Am** 1991 Feb;9(1):137–59 (56 ref.)
Management of the violent patient. Therapeutic and legal considerations. Rice MM, et al. **Emerg Med Clin North Am** 1991 Feb;9(1):13–30 (101 ref.)
Family grief in the emergency department. Walters DT, et al. **Emerg Med Clin North Am** 1991 Feb;9(1):189–206 (44 ref.)
"Directed" emergency room thoracotomy: a prognostic prerequisite for survival. Ivatury RR, et al. **J Trauma** 1991 Aug;31(8):1076–81; discussion 1081–2 (46 ref.)
Psychiatric aspects of chest pain in the emergency department. Wulsin LR, et al. **Med Clin North Am** 1991 Sep;75(5):1175–88 (50 ref.)
Management of children with occult bacteremia who are treated in the emergency department. Fleisher GR. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 2:S156–9 (8 ref.)

LEGISLATION & JURISPRUDENCE

Refusal of care and discharging 'difficult' patients from the emergency department. Mayer D. **Ann Emerg Med** 1990 Dec;19(12):1436–46 (106 ref.)

MANPOWER

Precautions and testing in pediatric HIV infection: issues for emergency department personnel. Crain EF, et al. **Pediatr Emerg Care** 1991 Jun;7(3):177–81 (44 ref.)

ORGANIZATION & ADMINISTRATION

Manmade disasters. Leonard RB, et al. **Crit Care Clin** 1991 Apr;7(2):293–320 (47 ref.)
The critically ill neonate in the emergency department. Boychuk RB. **Emerg Med Clin North Am** 1991 Aug; 9(3):507–22 (15 ref.)
Observation unit management of pediatric emergencies. Klein BL, et al. **Emerg Med Clin North Am** 1991 Aug;9(3):669–76 (14 ref.)
Triage in the emergency department. Wiebe RA, et al. **Emerg Med Clin North Am** 1991 Aug;9(3):491–505 (81 ref.)

STANDARDS

Assessment of prehospital and hospital response in disaster. Ricci E, et al. **Crit Care Clin** 1991 Apr;7(2):471–84 (33 ref.)
High consumers of health care in emergency units: how to improve their quality of care. Hansagi H, et al. **Qual Assur Health Care** 1991;3(1):51–62 (36 ref.)

EMERGENCY SERVICES, PSYCHIATRIC

Triage of disaster-related neuropsychiatric casualties. Burkle FM Jr. **Emerg Med Clin North Am** 1991 Feb;9(1):87–105 (85 ref.)

EMERGICENTERS see EMERGENCY MEDICAL SERVICES

EMEROGENES see GENES, SUPPRESSOR, TUMOR

EMIGRATION AND IMMIGRATION

Screening of immigrant children for infectious diseases. Hayani KC, et al. **Adv Pediatr Infect Dis** 1991;6:91–110 (30 ref.)
Pediatric tuberculosis in immigrants to the United Kingdom from the Indian sub-continent. Snell NJ. **Indian J Pediatr** 1990 Sep–Oct;57(5):645–50 (19 ref.)
Searching for the causes of schizophrenia: the role of migrant studies. Harrison G. **Schizophr Bull** 1990;16(4):663–71 (81 ref.)

EMMENAGOGUES see MENSTRUATION INDUCING AGENTS

EMMONSIA see CHRYSOSPORIUM

EMOTIONAL BONDS see OBJECT ATTACHMENT

EMOTIONAL DISTURBANCES see AFFECTIVE SYMPTOMS

EMOTIONAL STRESS see STRESS, PSYCHOLOGICAL

EMOTIONS

see related
AFFECTIVE SYMPTOMS

Cognition and motivation in emotion. Lazarus RS. **Am Psychol** 1991 Apr;46(4):352–67 (120 ref.)
Physical, sexual, and emotional abuse of children. Kessler DB, et al. **Clin Symp** 1991;43(1):1–32 (20 ref.)
How a relationship between thinking and feeling may give rise to a variety of human behaviors. O'Connor BP. **Genet Soc Gen Psychol Monogr** 1991 Feb;117(1):29–48 (75 ref.)
Emotional induction: communication via the countertransference. Lotterman A. **J Am Acad Psychoanal** 1990 Winter;18(4):587–612 (50 ref.)
Abstract art and emotion: expressive form and the sense of wholeness. Rose GJ. **J Am Psychoanal Assoc** 1991; 39(1):131–56 (34 ref.)
A semantic analysis of the various ways that the terms "affect," "emotion," and "mood" are used. Alpert M, et al. **J Commun Disord** 1990 Aug–Oct;23(4–5):237–46 (52 ref.)
Social networks, health, and emotional well-being among the oldest old in London. Bowling A, et al. **J Gerontol** 1991 Jan;46(1):S20–32 (79 ref.)
Orienting reaction, organizing for action, and emotional processes. Latash LP. **Pavlov J Biol Sci** 1990 Jul–Sep; 25(3):123–9; discussion 129–31 (27 ref.)
An heuristic for the study of the effects of emotion on memory. Whissell C. **Percept Mot Skills** 1991 Feb; 72(1):3–10 (15 ref.)
The affective organization of parenting: adaptive and maladaptive processes. Dix T. **Psychol Bull** 1991 Jul; 110(1):3–25 (235 ref.)
Expressed emotion as a predictor of schizophrenic relapse: an analysis of aggregated data. Parker G, et al. **Psychol Med** 1990 Nov;20(4):961–5 (22 ref.)
Feminism and the cognitive theory of emotion: anger, blame and humor. Shibles W. **Women Health** 1991;17(1):57–69 (38 ref.)
[Perspectives of an existential interdisciplinary body theory] Kühn R. **Z Klin Psychol Psychopathol Psychother** 1990; 38(4):376–96 (80 ref.) (Eng. Abstr.) **(Ger)**
[Sudden infant death—an emotional trigger mechanism] Kaada B. **Tidsskr Nor Laegeforen** 1990 Nov 30; 110(29):3767–9 (20 ref.) (Eng. Abstr.) **(Nor)**
[Schizophrenic patients and the emotional climate in the family. Causes, consequences and treatment of intensely expressed emotions of close relatives] Malt UF, et al. **Tidsskr Nor Laegeforen** 1990 Nov 30;110(29):3720–4 (43 ref.) (Eng. Abstr.) **(Nor)**

DRUG EFFECTS

Nicotine as a psychoactive drug. Murray JB. **J Psychol** 1991 Jan;125(1):5–25 (115 ref.)
Emotional well-being, sexual behaviour and hormone replacement therapy. Hunter MS. **Maturitas** 1990 Sep; 12(3):299–314 (108 ref.)

PHYSIOLOGY

Electrophysiological indices of frontal lobe development. Relations to cognitive and affective behavior in human infants over the first year of life. Fox NA, et al. **Ann N Y Acad Sci** 1990;608:677–98; discussion 698–704 (69 ref.)
Early stress and adult emotional reactivity in rhesus monkeys. Suomi SJ. **Ciba Found Symp** 1991;156:171–83; discussion 183–8 (30 ref.)
Toward a model to explain infant preferences by cerebral emotional asymmetry and hemisphere priming. Drake RA, et al. **Int J Neurosci** 1990 Jan;50(1–2):29–35 (66 ref.)
Mesocorticolimbic dopaminergic systems and emotional states. Bertolucci-D'Angio M, et al. **J Neurosci Methods** 1990 Sep;34(1–3):135–42 (32 ref.)
Involvement of mesocorticolimbic dopaminergic systems in emotional states. Bertolucci-D'Angio M, et al. **Prog Brain Res** 1990;85:405–16; discussion 416–7 (35 ref.)
Stress, emotion, and human immune function. O'Leary A. **Psychol Bull** 1990 Nov;108(3):363–82 (190 ref.)
Psychoneuroendocrinology of stress and emotions: issues for future research. Vingerhoets AJ, et al. **Psychother Psychosom** 1991;55(2–4):69–75 (22 ref.)
[Emotional status and immunoglobulin A in saliva—review of the literature] Kugler J. **Psychother Psychosom Med Psychol** 1991 Jun;41(6):232–42 (95 ref.) (Eng. Abstr.) **(Ger)**
[The role of cognitive factors in the emotional asymmetry of the human cerebral hemispheres] Kostandov EA. **Zh Vyssh Nerv Deiat** 1990 Jul–Aug;40(4):611–9 (41 ref.) **(Rus)**
[Cortical-subcortical interactions in the process of forming emotions] Simonov PV. **Zh Vyssh Nerv Deiat** 1991 Mar–Apr;41(2):211–20 (33 ref.) **(Rus)**
[Central nervous system control for maximal alertness in danger] Folkow B. **Lakartidningen** 1990 Dec 19; 87(51–52):4424–8 (13 ref.) (Eng. Abstr.) **(Swe)**

EMPATHY

Empathy: a review of the literature with suggestions for an alternative research strategy. Gould D. **J Adv Nurs** 1990 Oct;15(10):1167–74 (91 ref.)
The empathic process and its mediators. A heuristic model. Gallop R, et al. **J Nerv Ment Dis** 1990 Oct;178(10):649–54 (43 ref.)
What is empathy, and can empathy be taught? Davis CM. **Phys Ther** 1990 Nov;70(11):707–11; discussion 712–5 (14 ref.)

EMPHYSEMA

see related
PULMONARY EMPHYSEMA

Emphysematous gastritis: case report and review. Moosvi AR, et al. **Rev Infect Dis** 1990 Sep–Oct;12(5):848–55 (32 ref.)

COMPLICATIONS

[Emphysematous pyelonephritis in a diabetic patient. Literature review apropos of a case] Picron B, et al. **Acta Clin Belg** 1991;46(2):94–9 (18 ref.) (Eng. Abstr.) **(Fre)**
[Emphysematous pyelitis and pyelonephritis: unrecognized clinical entities] Mainil-Varlet P, et al. **Rev Med Brux** 1990 Sep;11(7):251–6, 259 (27 ref.) (Eng. Abstr.) **(Fre)**
[A case of emphysematous cystitis] Sai Y, et al. **Hinyokika Kiyo** 1990 Aug;36(8):949–52 (16 ref.) (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

[Emphysematous pyelonephritis. Apropos of a case] Ferrière X, et al. **Ann Urol (Paris)** 1990;24(4):326–7 (3 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Bilateral emphysematous pyelonephritis. Lowe BA, et al. **Urology** 1991 Mar;37(3):229–32 (15 ref.)

EMPHYSEMA, MEDIASTINAL see MEDIASTINAL EMPHYSEMA

EMPHYSEMA, PULMONARY see PULMONARY EMPHYSEMA

EMPHYSEMA, SUBCUTANEOUS see SUBCUTANEOUS EMPHYSEMA

EMPLOYEE ASSISTANCE PROGRAMS (HEALTH CARE) see OCCUPATIONAL HEALTH SERVICES

EMPLOYEE HEALTH see OCCUPATIONAL HEALTH

EMPLOYEE HEALTH SERVICES see OCCUPATIONAL HEALTH SERVICES

EMPLOYMENT

see related
JOB SATISFACTION

The assessment of work-related activities and limitations in knee disorders. Noyes FR, et al. **Am J Sports Med** 1991 Mar–Apr;19(2):178–88 (20 ref.)
ABC of antenatal care. Work in pregnancy. Chamberlain G. **BMJ** 1991 May 4;302(6784):1070–3 (1 ref.)
The earnings test and the short-run work response to its elimination. Packard MD. **Soc Secur Bull** 1990 Sep; 53(9):2–16 (12 ref.)

LEGISLATION & JURISPRUDENCE

Confidentiality of genetic information in the workplace. Andrews LB, et al. **Am J Law Med** 1991;17(1–2):75–108 (213 ref.)

PSYCHOLOGY

HIV antibody status and employment discrimination: 1991 update [editorial] Nusbaum NJ. **J Acquir Immune Defic Syndr** 1991;4(10):927–9 (12 ref.)

EMPLOYMENT TERMINATION see EMPLOYMENT

EMPTY SELLA SYNDROME

DIAGNOSIS

Cushing's syndrome: new variants and association with empty sella syndrome. Mancini A, et al. **J Nucl Med Allied Sci** 1990 Apr–Jun;34(2):59–66 (58 ref.)

ETIOLOGY

The empty sella. A reappraisal of etiology and pathogenesis. Bjerre P. **Acta Neurol Scand Suppl** 1990;130:1–25 (107 ref.)

EMPYEMA

Thoracic empyema: causes, diagnosis, and treatment. Cowen ME, et al. **Compr Ther** 1990 Oct;16(10):40–5 (9 ref.)

ETIOLOGY

[Pleural empyema--rational diagnosis and therapy] Müller P, et al. **Schweiz Rundsch Med Prax** 1991 May 28; 80(22):599–604 (23 ref.) (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

[Asporogenic anaerobic empyema--clinical and bacteriological investigations of 31 patients with anaerobic empyema] Takahashi M, et al. **Kansenshogaku Zasshi** 1990 Oct;64(10):1295–304 (25 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Surgical management of thoracic empyema. Wallenhaupt SL. **J Thorac Imaging** 1991 Jul;6(3):80–8 (46 ref.)

[Pleural empyema. Etiology, diagnosis and treatment guidelines] Hasse J. **Chirurg** 1990 Sep;61(9):615–21 (16 ref.) **(Ger)**

[A case of accessory cardiac bronchus with acute empyema treated by open drainage] Suzuki M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1991 May; 29(5):600–5 (20 ref.) (Eng. Abstr.) **(Jpn)**

EMPYEMA, GALLBLADDER see **CHOLECYSTITIS**

EMPYEMA, PLEURAL see **EMPYEMA**

EMPYEMA, SUBDURAL see **SUBDURAL EMPYEMA**

EMPYEMA, TUBERCULOUS

COMPLICATIONS

[Non-Hodgkin's lymphoma arising from the wall of old tuberculous empyema--a surgical case report] Ohno K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Sep; 38(9):1532–7 (19 ref.) (Eng. Abstr.) **(Jpn)**

EMULSIFYING AGENTS see **EXCIPIENTS**

EN-1639A see **NALTREXONE**

ENABLING FACTORS see **CAUSALITY**

ENALAPRIL

ADVERSE EFFECTS

Clinical characteristics of angiotensin-converting enzyme inhibitor-induced angioedema. Roberts JR, et al. **Ann Emerg Med** 1991 May;20(5):555–8 (17 ref.)

Angiotensin-converting enzyme inhibitors in pregnancy may result in neonatal renal failure. Hulton SA, et al. **S Afr Med J** 1990 Dec 1;78(11):673–6 (29 ref.)

ANALOGS & DERIVATIVES

Comparison of lisinopril and captopril in the treatment of left ventricular congestive heart failure--influence of duration of action on efficacy and safety. Giles TD. **Z Kardiol** 1991;80 Suppl 2:35–9 (15 ref.)

[Lisinopril] **Medicina (Firenze)** 1990 Oct-Dec;10(4):439–41 (33 ref.) (Eng. Abstr.) **(Ita)**

[The use of lisinopril for congestive heart failure] Amodeo C. **Arq Bras Cardiol** 1990 Aug;55 Suppl A:A14–7 (5 ref.) **(Por)**

ENALAPRIL MALEATE see **ENALAPRIL**

ENAMEL see **DENTAL ENAMEL**

ENCEPHALITIS

COMPLICATIONS

Toxoplasmic encephalitis. Luft BJ, et al. **AIDS Clin Rev** 1990; :215–34 (181 ref.)

Rasmussen encephalitis: epilepsia partialis continua secondary to chronic encephalitis. Zupanc ML, et al. **Pediatr Neurol** 1990 Nov-Dec;6(6):397–401 (18 ref.)

[Mitochondrial encephalomyopathy: a new etiology of epilepsia partialis continua] Carrascosa Romero MC, et al. **An Esp Pediatr** 1990 Aug;33(2):156–9 (22 ref.) **(Spa)**

CONGENITAL

Herpes simplex virus infections. Arvin AM, et al. **Pediatr Infect Dis J** 1990 Oct;9(10):765–7 (10 ref.)

DIAGNOSIS

Listeria brainstem encephalitis: two own cases and literature review [published erratum appears in Infection 1991 May-Jun;19(3):189] Kohler J, et al. **Infection** 1991 Jan-Feb; 19(1):36–40 (48 ref.)

[Herpes simplex brainstem encephalitis presenting high intensity area on MRI--a case report] Matsumura Y, et al. **Rinsho Shinkeigaku** 1990 Aug;30(8):840–4 (18 ref.) (Eng. Abstr.) **(Jpn)**

[Clinical criteria of the diagnosis and management of various forms of toxoplasmosis] Kocięcka W. **Pol Tyg Lek** 1989 Aug 21-28;44(34-35):809–12 (30 ref.) **(Pol)**

DRUG THERAPY

Sulfadiazine crystalluria revisited. The treatment of Toxoplasma encephalitis in patients with acquired immunodeficiency syndrome. Simon DI, et al. **Arch Intern Med** 1990 Nov;150(11):2379–84 (34 ref.)

ETIOLOGY

Neurological complications of bacterial endocarditis. Bertorini TE, et al. **Compr Ther** 1990 Dec;16(12):47–55 (32 ref.)

[Neurological complication of human immunodeficiency virus infection] Koralnik IJ, et al. **Presse Med** 1991 Jun 22;20(24):1129–35 (19 ref.) (Eng. Abstr.) **(Fre)**

[A case of Hurst's encephalitis complicated by hepatoma] Saito T, et al. **Rinsho Shinkeigaku** 1990 Aug;30(8):888–90 (10 ref.) (Eng. Abstr.) **(Jpn)**

[Meningitis and ventriculitis in the newborn infant] Figueras J, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 38:43–8 (41 ref.) **(Spa)**

METABOLISM

Molecular events in measles virus infection of the central nervous system. Swoveland PT. **Int Rev Exp Pathol** 1991; 32:255–75 (85 ref.)

MICROBIOLOGY

Viral encephalitis. Toltzis P. **Adv Pediatr Infect Dis** 1991; 6:111–36 (123 ref.)

PARASITOLOGY

[Cysticercosis of the 4th ventricle] Sandt G, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1990;127(1):45–9 (27 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

A viral-anatomical explantation of schizophrenia [see comments] Torrey EF. **Schizophr Bull** 1991;17(1):15–8 (24 ref.) Comment in: Schizophr Bull 1991;17(1):19–24.

PREVENTION & CONTROL

[The prevention of neonatal herpes encephalitis: characteristics in a tropical area] Coton T, et al. **Med Trop (Mars)** 1991 Apr-Jun;51(2):155–60 (27 ref.) (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

[AIDS--psychiatric problems] Lutyńska E. **Psychiatr Pol** 1990 Mar-Apr;24(2):160–4 (14 ref.) **(Pol)**

RADIOGRAPHY

Imaging in influenza A encephalitis. Protheroe SM, et al. **Arch Dis Child** 1991 Jun;66(6):702–5 (31 ref.)

REHABILITATION

Rehabilitation of three patients after treatment for herpes encephalitis. Rao N, et al. **Am J Phys Med Rehabil** 1991 Apr;70(2):73–5 (9 ref.)

VETERINARY

[The neuropathology of martens] Geisel O, et al. **Tierarztl Prax** 1991 Jun;19(3):320–3 (16 ref.) (Eng. Abstr.) **(Ger)**

ENCEPHALITIS, EPIDEMIC

ETIOLOGY

[Von Economo-Cruchet lethargic encephalitis and its relation to HIV infection] Czermak M, et al. **Encephale** 1990 Sep-Oct;16(5):375–82 (37 ref.) (Eng. Abstr.) **(Fre)**

ENCEPHALITIS, JAPANESE B

DIAGNOSIS

[Computed cranial tomography, magnetic resonance imaging and brain echo imaging in Japanese B encephalitis] Eguchi I, et al. **No To Hattatsu** 1991 Jul;23(4):355–61 (15 ref.) (Eng. Abstr.) **(Jpn)**

ENCEPHALITIS, VENEZUELAN EQUINE see **ENCEPHALOMYELITIS, VENEZUELAN EQUINE**

ENCEPHALITIS VIRUS, CALIFORNIA see **CALIFORNIA GROUP VIRUSES**

ENCEPHALITIS VIRUSES, TICK-BORNE

PHYSIOLOGY

[Experimental research on the ecology of the tick-borne encephalitis virus] Chunikhin SP. **Vopr Virusol** 1990 May-Jun;35(3):183–8 (38 ref.) **(Rus)**

ENCEPHALITOGENIC BASIC PROTEINS

[Use of myelin basic protein in neurology] Fang J. **Chung Hua I Hsueh Tsa Chih** 1990 Oct;70(10):595–7 (26 ref.) **(Chi)**

DEFICIENCY

[Myelin and the molecular basis of the process of demyelination (review of the literature)] Khokhlov AP, et al. **Zh Nevropatol Psikhiatr** 1990;90(8):104–9 (98 ref.) **(Rus)**

GENETICS

Implications of double mutant phenotypes. Billings-Gagliardi S, et al. **Ann N Y Acad Sci** 1990;605:215–29 (20 ref.)

Abnormal regulation of the myelin basic protein gene during development of the myelin-deficient mouse. Matthieu JM, et al. **Ann N Y Acad Sci** 1990;605:240–7 (48 ref.)

Structure and function of myelin protein genes. Mikoshiba K, et al. **Annu Rev Neurosci** 1991;14:201–17 (115 ref.)

Molecular biology of myelin basic protein: gene rearrangement and expression of anti-sense RNA in myelin-deficient mutants. Mikoshiba K, et al. **Comp Biochem Physiol [C]** 1991;98(1):51–61 (82 ref.)

IMMUNOLOGY

The development of rational strategies for selective immunotherapy against autoimmune demyelinating disease. Steinman L. **Adv Immunol** 1991;49:357–79 (64 ref.)

Autoimmunity to collagen II and myelin basic protein: comparative studies in humans and rodents. Klareskog L, et al. **Immunol Rev** 1990 Dec;118:285–310 (114 ref.)

PHYSIOLOGY

Role of myelin basic protein in the formation of central nervous system myelin. Readhead C, et al. **Ann N Y Acad Sci** 1990;605:280–5 (47 ref.)

ENCEPHALOCELE

COMPLICATIONS

Congenital middle ear encephalocele initially seen with facial paresis. Uri N, et al. **Head Neck** 1991 Jan-Feb;13(1):62–7 (24 ref.)

Intractable complex partial seizures associated with occult temporal lobe encephalocele and meningoangiomatosis: a case report. Whiting DM, et al. **Surg Neurol** 1990 Nov; 34(5):318–22 (12 ref.)

[Spontaneous rhinorrhea disclosing intranasal meningoencephalocele and ependymoma of the 4th ventricle] Brunon J, et al. **Neurochirurgie** 1990;36(6):383–7 (20 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Role of computed tomography in the early management of bacterial meningitis. Haslam RH. **J Pediatr** 1991 Jul;119(1 (Pt 1)):157–9 (13 ref.)

SURGERY

[A case of transsphenoidal meningoencephalocele] Kobayashi S, et al. **No Shinkei Geka** 1990 Nov;18(11):1065–70 (9 ref.) (Eng. Abstr.) **(Jpn)**

ENCEPHALOMALACIA

ULTRASONOGRAPHY

[Multicystic encephalomalacia in twins: echographic diagnosis] Rufo Campos M, et al. **An Esp Pediatr** 1990 Dec;33(6):579–81 (18 ref.) **(Spa)**

ENCEPHALOMALACIA, PERIVENTRICULAR see **LEUKOMALACIA, PERIVENTRICULAR**

ENCEPHALOMYELITIS

IMMUNOLOGY

Autoimmune encephalomyelitis and the connection between the nervous and immune systems. Abramsky O, et al. **Isr J Med Sci** 1990 Dec;26(12):686–8 (23 ref.)

MICROBIOLOGY

Background paper. On the role of the immune response in the course of coronavirus JHM-induced encephalomyelitides in mice and rats. Dörries R. **Adv Exp Med Biol** 1990;276:623–7 (30 ref.)

PATHOLOGY

[Paraneoplastic encephalomyelitis] Bergmann M, et al. **Fortschr Neurol Psychiatr** 1990 Nov;58(11):423–6 (16 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Tolerance and suppressor mechanisms in experimental autoimmune encephalomyelitis: implications for

immunotherapy of human autoimmune diseases. Miller A, et al. **FASEB J** 1991 Aug;5(11):2560–6 (94 ref.)

ENCEPHALOMYELITIS, ALLERGIC

see related
ENCEPHALITOGENIC BASIC PROTEINS

DIAGNOSIS

Remitting–relapsing EAE in nonhuman primates: a valid model of multiple sclerosis. Rose LM, et al. **Clin Immunol Immunopathol** 1991 Apr;59(1):1–15 (79 ref.)

GENETICS

Genetic variation in the stress response: susceptibility to experimental allergic encephalomyelitis and implications for human inflammatory disease. Mason D. **Immunol Today** 1991 Feb;12(2):57–60 (39 ref.)

IMMUNOLOGY

Immune regulation by tolerization in EAE and in Theiler's murine encephalomyelitis virus (TMEV) infection (1). Da Canto MC, et al. **Acta Neurol (Napoli)** 1991 Apr; 13(2):107–112 (19 ref.)

T cell recognition in experimental autoimmune encephalomyelitis: prospects for immune intervention with synthetic peptides. Wraith DC, et al. **Int Rev Immunol** 1990; 6(1):37–47 (25 ref.)

METABOLISM

[Use of myelin basic protein in neurology] Fang J. **Chung Hua I Hsueh Tsa Chih** 1990 Oct;70(10):595–7 (26 ref.) **(Chi)**

THERAPY

The development of rational strategies for selective immunotherapy against autoimmune demyelinating disease. Steinman L. **Adv Immunol** 1991;49:357–79 (64 ref.)

ENCEPHALOMYELITIS, EXPERIMENTAL ALLERGIC see **ENCEPHALOMYELITIS, ALLERGIC**

ENCEPHALOMYELITIS, MYALGIC see **FATIGUE SYNDROME, CHRONIC**

ENCEPHALOMYELITIS, VENEZUELAN EQUINE

[Venezuelan equine encephalitis. Review] de Bellard ME, et al. **Invest Clin** 1989;30(1):31–58 (168 ref.) (Eng. Abstr.) **(Spa)**

ENCEPHALOMYELITIS VIRUS, MURINE

GENETICS

Experimental models of virus attenuation and demyelinating disease. Koolen MJ, et al. **Microbiol Sci** 1986 Mar; 3(3):68–73 (27 ref.)

IMMUNOLOGY

Immune regulation by tolerization in EAE and in Theiler's murine encephalomyelitis virus (TMEV) infection (1). Da Canto MC, et al. **Acta Neurol (Napoli)** 1991 Apr; 13(2):107–112 (19 ref.)

PATHOGENICITY

Pathogenesis of Theiler's murine encephalomyelitis virus. Yamada M, et al. **Adv Virus Res** 1991;39:291–320 (137 ref.)

ENCHONDROMA see **CHONDROMA**

ENCHONDROMA, MULTIPLE see **ENCHONDROMATOSIS**

ENCHONDROMATOSIS

COMPLICATIONS

A case of dyschondroplasia associated with brain stem glioma: diagnosis by stereotactic biopsy. Patt S, et al. **Neurosurgery** 1990 Sep;27(3):487–91 (21 ref.)

[Ollier's disease and juvenile ovarian granulosa tumor] Le Gall C, et al. **Arch Fr Pediatr** 1991 Feb;48(2):115–8 (13 ref.) (Eng. Abstr.) **(Fre)**

ENCHONDROSIS, MULTIPLE see **ENCHONDROMATOSIS**

ENDARTERECTOMY

A comparison of cerebral blood flow reactivity to CO2 during halothane versus isoflurane anesthesia for carotid endarterectomy. Young WL, et al. **Anesth Analg** 1991 Oct; 73(4):416–21 (33 ref.)

Optimum results of the surgical treatment of carotid territory ischemia. Callow AD, et al. **Circulation** 1991 Feb;83(2 Suppl):I190–5 (48 ref.)

Carotid endarterectomy: current status. Gelabert HA, et al. **Curr Probl Surg** 1991 Mar;28(3):181–262 (223 ref.)

Accessory nerve injury after carotid endarterectomy. Case report. Persson NH, et al. **Eur J Surg** 1991 Mar; 157(3):221–2 (19 ref.)

Carotid endarterectomy for asymptomatic carotid stenosis: an update. Thompson JE. **J Vasc Surg** 1991 May; 13(5):669–76 (45 ref.)

[Simultaneous coronary and carotid surgery: apropos of 73 cases] Van Damme H, et al. **Acta Chir Belg** 1990 Jul–Aug; 90(4):185–96 (82 ref.) (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Perioperative stroke. Part I: General surgery, carotid artery disease, and carotid endarterectomy. Wong DH. **Can J Anaesth** 1991 Apr;38(3):347–73 (351 ref.)

[Carotid endarterectomy. Surgical complications and long–term prognosis] Iversen T, et al. **Tidsskr Nor Laegeforen** 1991 Aug 10;111(18):2253–5 (24 ref.) (Eng. Abstr.) **(Nor)**

INSTRUMENTATION

Impact of nonoperative therapy on the clinical management of peripheral arterial disease. Veith FJ, et al. **Circulation** 1991 Feb;83(2 Suppl):I137–42 (26 ref.)

[Current state of interventional measures in cardiology] Klein W, et al. **Wien Med Wochenschr** 1991;141(3):41–3 (24 ref.) (Eng. Abstr.) **(Ger)**

STANDARDS

Reducing the risk of stroke: identifying patients to refer for carotid endarterectomy. Gelabert HA, et al. **Geriatrics** 1991 Sep;46(9):22–6 (24 ref.)

Carotid endarterectomy. Handelsman H. **Health Technol Assess Rep** 1990;(5):1–15 (130 ref.)

ENDARTERITIS

THERAPY

[Use of hemosorption in the complex treatment of patients with endarteritis obliterans] Genyk SN, et al. **Khirurgiia (Mosk)** 1990 Dec;(12):159–63 (50 ref.) **(Rus)**

ENDEMIC NEPHROPATHY, BALKAN see **BALKAN NEPHROPATHY**

ENDO–1,4–BETA–GLUCANASE see **CELLULASE**

ENDOCARDIAL FIBROELASTOSIS

ETIOLOGY

[A rare cause of obstruction of mitral valve prosthesis: periannular fibrosis. Diagnostic by transesophageal echocardiography] Roudaut R, et al. **Arch Mal Coeur Vaiss** 1991 Feb;84(2):261–3 (12 ref.) (Eng. Abstr.) **(Fre)**

ENDOCARDITIS

Late recurrent Candida endocarditis. Johnston PG, et al. **Chest** 1991 Jun;99(6):1531–3 (17 ref.)

COMPLICATIONS

Acute aortic occlusion secondary to Aspergillus endocarditis in an intravenous drug abuser. Light JT Jr, et al. **Ann Vasc Surg** 1991 May;5(3):271–5 (14 ref.)

DRUG THERAPY

Candida endocarditis: successful medical management in three preterm infants and review of the literature. Sánchez PJ, et al. **Pediatr Infect Dis J** 1991 Mar;10(3):239–43 (30 ref.)

EPIDEMIOLOGY

Prosthetic valve endocarditis: a continuing challenge for infection control. Karchmer AW. **J Hosp Infect** 1991 Jun; 18 Suppl A:355–66 (49 ref.)

MICROBIOLOGY

Nonsurgical treatment of Histoplasma endocarditis involving a bioprosthetic valve. Kanawaty DS, et al. **Chest** 1991 Jan; 99(1):253–6 (18 ref.)

Candida endocarditis: successful medical management in three preterm infants and review of the literature. Sánchez PJ, et al. **Pediatr Infect Dis J** 1991 Mar;10(3):239–43 (30 ref.)

Endocarditis due to Trichosporon beigelii: in vitro susceptibility of isolates and review. Keay S, et al. **Rev Infect Dis** 1991 May–Jun;13(3):383–6 (34 ref.)

[Fungal endocarditis after open heart surgery] Zhang TS, et al. **Chung Hua Wai Ko Tsa Chih** 1990 Nov; 28(11):699–700, 685 (19 ref.) **(Chi)**

[Microbial spectrum and microbiological diagnosis of infectious endocarditis] [see comments] Schubert S, et al. **Immun Infekt** 1991 Apr;19(2):38–41 (43 ref.) (Eng. Abstr.) Comment in: Immun Infekt 1991 Apr;19(2):37. **(Ger)**

[Infective endocarditis: a changing disease] Venditti M, et al. **Medicina (Firenze)** 1990 Oct–Dec;10(4):373–85 (76 ref.) (Eng. Abstr.) **(Ita)**

[Infective endocarditis in drug addict patients] Botas Rodriguez J, et al. **Rev Esp Cardiol** 1990 Aug–Sep; 43(7):477–91 (125 ref.) **(Spa)**

ULTRASONOGRAPHY

Echocardiography in the management of patients with suspected or proven endocarditis. Parker JD, et al. **Curr Clin Top Infect Dis** 1991;11:248–66 (42 ref.)

ENDOCARDITIS, BACTERIAL

see related
ANEURYSM, INFECTED

Endocarditis in the emergency department. Delaney KA. **Ann Emerg Med** 1991 Apr;20(4):405–14 (62 ref.)

Prosthetic valve endocarditis. Counsell CE, et al. **Br J Hosp Med** 1991 Jul;46(1):28–31 (26 ref.)

Group B streptococcal endocarditis of tricuspid valve. Watanakunakorn C, et al. **Chest** 1991 Aug;100(2):569–71 (16 ref.)

Diagnosis and management of infective endocarditis. Keys TF. **Cleve Clin J Med** 1990 Sep;57(6):558–62 (17 ref.)

Large valvular vegetations in infective endocarditis. Dart R, et al. **Md Med J** 1991 May;40(5):361–4 (19 ref.)

Gonococcal endocarditis complicating pregnancy: a case report and literature review. Bataskov KL, et al. **Obstet Gynecol** 1991 Sep;78(3 (Pt 2)):494–6 (9 ref.)

[Infective endocarditis: a changing disease] Venditti M, et al. **Medicina (Firenze)** 1990 Oct–Dec;10(4):373–85 (76 ref.) (Eng. Abstr.) **(Ita)**

[Native valve endocarditis caused by Staphylococcus epidermidis] Aguado JM. **Enferm Infecc Microbiol Clin** 1989 Apr;7(4):210–6 (41 ref.) **(Spa)**

COMPLICATIONS

Bacterial endocarditis presenting as acute myocardial infarction: a cautionary note for the era of reperfusion. Herzog CA, et al. **Am J Med** 1991 Mar;90(3):392–7 (39 ref.)

Neurological complications of bacterial endocarditis. Bertorini TE, et al. **Compr Ther** 1990 Dec;16(12):47–55 (32 ref.)

Perivalvular extension of infection in patients with infectious endocarditis. Carpenter JL. **Rev Infect Dis** 1991 Jan–Feb; 13(1):127–38 (56 ref.)

[Neurologic manifestations of infectious endocarditis] Hannachi N, et al. **Arch Mal Coeur Vaiss** 1991 Jan; 84(1):81–6 (21 ref.) (Eng. Abstr.) **(Fre)**

[Mycotic aneurysm of the sinus of Valsalva and complete atrioventricular block complicating infectious endocarditis with aortic regurgitation: a case report] Abe M, et al. **J Cardiol Suppl** 1991;25:187–94; discussion 195–6 (11 ref.) (Eng. Abstr.) **(Jpn)**

[A case report of pulmonary sequestration (Pryce I) associated with infective endocarditis] Sugimoto T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Apr;39(4):458–62 (11 ref.) (Eng. Abstr.) **(Jpn)**

[Active infective endocarditis complicated by paravalvular abscess. Review of 40 cases] González Vílchez FJ, et al. **Rev Esp Cardiol** 1991 May;44(5):306–12 (55 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Infective endocarditis of the tricuspid valve in a non–drug user. Kido T, et al. **Jpn J Med** 1991 Mar–Apr;30(2):154–6 (7 ref.)

[Diagnosis and evaluation of mitral endocarditis complicating obstructive cardiomyopathy using cardiac echo–Doppler] Chapoutot L, et al. **Ann Cardiol Angeiol (Paris)** 1991 Jan; 40(1):33–7 (18 ref.) (Eng. Abstr.) **(Fre)**

[Clinical aspects of endocarditis] [see comments] Lode H, et al. **Immun Infekt** 1991 Apr;19(2):42–4 (10 ref.) (Eng. Abstr.) Comment in: Immun Infekt 1991 Apr;19(2):37. **(Ger)**

[Right–sided endocarditis due to Fusobacterium nucleatum] Gónzalez Cocina E, et al. **Rev Esp Cardiol** 1991 Mar; 44(3):207–9 (5 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Therapeutic review: antibiotic prophylaxis for bacterial endocarditis [published erratum appears in Cent Afr J Med 1990 Jul;36(7):173] Stein M, et al. **Cent Afr J Med** 1990 Mar;36(3):72–5 (10 ref.)

Rational approaches to the treatment of culture–negative infective endocarditis. Gray IR. **Drugs** 1991 May; 41(5):729–36 (23 ref.)

Impact of the antibiotic dosage schedule on efficacy in experimental endocarditis. Carbon C. **Scand J Infect Dis Suppl** 1990;74:163–72 (38 ref.)

[Therapy and prophylaxis of infectious endocarditis] [see comments] Niebel J. **Immun Infekt** 1991 Apr;19(2):45–9 (18 ref.) (Eng. Abstr.) Comment in: Immun Infekt 1991 Apr;19(2):37. **(Ger)**

[Drugs for antibiotic– and chemotherapy of Q fever] Maksimovich MB. **Antibiot Khimioter** 1991 Feb;36(2):41–3 (61 ref.) **(Rus)**

ETIOLOGY

Native valve Staphylococcus epidermidis endocarditis: report

of seven cases and review of the literature. Arber N, et al. **Am J Med** 1991 Jun;90(6):758–62 (30 ref.)

Hypertrophic obstructive cardiomyopathy and infective endocarditis: a report of seven cases and a review of the literature. Alessandri N, et al. **Eur Heart J** 1990 Nov; 11(11):1041–8 (46 ref.)

Valvular tuberculous endocarditis: a case report and review of the literature. Cope AP, et al. **J Infect** 1990 Nov; 21(3):293–6 (12 ref.)

[Infectious endocarditis of the tricuspid valve in patients with endocardial pacemakers] el Kohen M, et al. **Arch Mal Coeur** 1990 Nov;83(12):1855–7 (10 ref.) (Eng. Abstr.) **(Fre)**

[Brucella endocarditis on Starr aortic valve prosthesis] Kamoun S, et al. **Arch Mal Coeur Vaiss** 1991 Feb; 84(2):269–71 (10 ref.) (Eng. Abstr.) **(Fre)**

[Infectious endocarditis of the right heart. Apropos of 10 cases] Mesbahi R, et al. **Arch Mal Coeur Vaiss** 1991 Mar; 84(3):355–9 (10 ref.) (Eng. Abstr.) **(Fre)**

[Pathogenic and immunological aspects of infective endocarditis] João SR, et al. **Arq Bras Cardiol** 1990 Jan; 54(1):69–72 (31 ref.) **(Por)**

[Surgical treatment of endocarditis of prosthetic heart valves] Kolesnikova NI. **Grud Serdechnososudistaia Khir** 1991 Mar; (3):57–9 (40 ref.) **(Rus)**

[Valvular heart diseases (IX). Valvular endocarditis in non-heroin addicted patients] de Teresa E, et al. **Rev Esp Cardiol** 1990 Jun–Jul;43(6):392–402 (35 ref.) **(Spa)**

MICROBIOLOGY

Nutritionally variant streptococci. Ruoff KL. **Clin Microbiol Rev** 1991 Apr;4(2):184–90 (69 ref.)

Pathogenesis of rickettsial infections emphasis on Q fever. Baca OG. **Eur J Epidemiol** 1991 May;7(3):222–8 (59 ref.)

Pneumococcal endocarditis in infants and children: report of a case and review of the literature. Elward K, et al. **Pediatr Infect Dis J** 1990 Sep;9(9):652–7 (34 ref.)

[Microbial spectrum and microbiological diagnosis of infectious endocarditis] [see comments] Schubert S, et al. **Immun Infekt** 1991 Apr;19(2):38–41 (43 ref.) (Eng. Abstr.) Comment in: Immun Infekt 1991 Apr;19(2):37. **(Ger)**

[Endocarditis caused cy Erysipelothrix rhusiopathiae. Study of 2 cases and review of the literature] Azofra J, et al. **Enferm Infecc Microbiol Clin** 1991 Feb;9(2):102–5 (25 ref.) (Eng. Abstr.) **(Spa)**

[Infectious endocarditis caused by Gram-negative bacteria] Paya CV, et al. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:8–11 (31 ref.) **(Spa)**

[Endocarditis caused by Actinobacillus actinomycetemcomitans on a prosthetic valve (letter)] Rojo P, et al. **Enferm Infecc Microbiol Clin** 1990 Mar;8(3):191–2 (13 ref.) **(Spa)**

PREVENTION & CONTROL

Failures of endocarditis prophylaxis: selective review of the literature and a case report. van der Bijl P, et al. **Ann Dent** 1991 Summer;50(1):5–8 (26 ref.)

Mitral valve prolapse: a review of the syndrome with emphasis on current antibiotic prophylaxis [published erratum appears in J Can Dent Assoc 1991 Jun;57(6):436] Sandor GK, et al. **J Can Dent Assoc** 1991 Apr;57(4):321–5 (24 ref.)

Chemoprophylaxis of infective endocarditis. Finch R. **Scand J Infect Dis Suppl** 1990;70:102–10 (32 ref.)

[Antibiotic prevention of bacterial endocarditis] Flückiger U, et al. **Ther Umsch** 1991 Apr;48(4):225–31 (24 ref.) (Eng. Abstr.) **(Ger)**

[Antibiotic prophylaxis for the prevention of infective endocarditis] Rudnicki C, et al. **Harefuah** 1990 Nov 1; 119(9):275–7 (24 ref.) **(Heb)**

[The prevention of bacterial endocarditis] Garavelli M, et al. **Minerva Stomatol** 1990 Sep;39(9):745–50 (17 ref.) (Eng. Abstr.) **(Ita)**

SURGERY

[Infectious endocarditis on native valves. Report of a series of 142 surgically treated cases] Potier JC, et al. **Rev Med Interne** 1989 Sep–Oct;10(5):420–8 (40 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Gonococcal endocarditis: twenty-five year experience. Jackman JD Jr, et al. **Am J Med Sci** 1991 Mar; 301(3):221–30 (67 ref.)

Brucella endocarditis: the role of combined medical and surgical treatment. Jacobs F, et al. **Rev Infect Dis** 1990 Sep–Oct;12(5):740–4 (44 ref.)

ENDOCARDITIS LENTA see **ENDOCARDITIS, SUBACUTE BACTERIAL**

ENDOCARDITIS, SUBACUTE BACTERIAL

DIAGNOSIS

[Clinical aspects of endocarditis] [see comments] Lode H, et al. **Immun Infekt** 1991 Apr;19(2):42–4 (10 ref.) (Eng. Abstr.) Comment in: Immun Infekt 1991 Apr;19(2):37. **(Ger)**

MICROBIOLOGY

[Subacute endocarditis on a prosthetic valve due to Actinobacillus actinomycetemcomitans. A new classic] Deleixhe M, et al. **Rev Med Liege** 1991 Mar;46(3):123–30 (21 ref.) **(Fre)**

[Endocarditis caused by Haemophilus: early surgical treatment? (letter)] Pedro-Botet ML, et al. **Enferm Infecc Microbiol Clin** 1990 May;8(5):325–6 (10 ref.) **(Spa)**

ENDOCARDIUM

PATHOLOGY

Endomyocardial biopsy in dilated cardiomyopathy and myocarditis: which role? Camerini F, et al. **Int J Cardiol** 1991 Apr;31(1):1–8 (72 ref.)

Diagnosis of malignant cardiac disease by endomyocardial biopsy [see comments] Flipse TR, et al. **Mayo Clin Proc** 1990 Nov;65(11):1415–22 (24 ref.) Comment in: Mayo Clin Proc 1990 Nov;65(11):1506–9.

The pathology of transplanted hearts. Billingham ME. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):233–40 (24 ref.)

PHYSIOLOGY

Endocardial monophasic action potentials. Correlations with intracellular electrical activity. Olsson SB, et al. **Ann N Y Acad Sci** 1990;601:119–27 (28 ref.)

Does endocardium modulate myocardial contractile performance? Lewis MJ, et al. **Cardioscience** 1990 Jun; 1(2):83–7 (48 ref.)

Role of endocardium in cardiac overloading and failure. Brutsaert DL. **Eur Heart J** 1990 Nov;11 Suppl G:8–16 (24 ref.)

ENDOCAVITARY FULGURATION see **ELECTROCOAGULATION**

ENDOCRINE DISEASES

Endocrine disorders. Hordon LD, et al. **Curr Opin Rheumatol** 1991 Feb;3(1):139–44 (33 ref.)

Chromogranin A: its role in endocrine function and as an endocrine and neuroendocrine tumor marker. Deftos LJ. **Endocr Rev** 1991 May;12(2):181–7 (55 ref.)

BLOOD

[Thrombocytic- and erythrocytic-hormonal interrelationships in endocrine system pathology] Mrochek AG, et al. **Patol Fiziol Eksp Ter** 1990 Sep–Oct;(5):56–9 (128 ref.) **(Rus)**

COMPLICATIONS

Endocrine abnormalities in thalassemia. Vullo C, et al. **Ann N Y Acad Sci** 1990;612:293–310 (46 ref.)

Endocrine disease and pregnancy. Johnson MR, et al. **Baillieres Clin Endocrinol Metab** 1990 Jun;4(2):313–32 (881 ref.)

Endocrine disorders with rheumatic manifestations. Schwarzer AC, et al. **Curr Opin Rheumatol** 1989 Dec; 1(4):533–9 (13 ref.)

Endocrinologic and metabolic manifestations of the acquired immunodeficiency syndrome. Poretsky L, et al. **Mt Sinai J Med** 1990 Sep;57(4):236–41 (51 ref.)

Radiologic manifestations in the musculoskeletal system of miscellaneous endocrine disorders. Chew FS. **Radiol Clin North Am** 1991 Jan;29(1):135–47 (38 ref.)

Endocrine diarrhoeas: current concepts. Misra SC. **Trop Gastroenterol** 1990 Apr–Jun;11(2):87–98 (50 ref.)

[The POEMS syndrome: an uncommon entity among plasmocytic dyscrasias (letter)] Touze JE, et al. **Ann Med Interne (Paris)** 1990;141(7):621–3 (12 ref.) **(Fre)**

[Endocrinological approach to symptom and diagnosis of hypertension] Saruta T. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):323–6 (9 ref.) **(Jpn)**

[Endocrinological approach to symptom and diagnosis of hyperglycemia] Takeda R. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):317–22 (9 ref.) **(Jpn)**

[Functional disorders of the endocrine glands as established and possible risk factors for urolithiasis] Gazymov MM. **Urol Nefrol (Mosk)** 1990 Jul–Aug;(4):68–74 (98 ref.) **(Rus)**

[Endocrine pathology frequently associated with sterility. Summarizing studies] Gajá Rodriguez OV, et al. **Ginecol Obstet Mex** 1987 Apr;55:91–7 (41 ref.) (Eng. Abstr.) **(Spa)**

[Endocrine pathology associated with human immunodeficiency virus infection] Masmiquel L, et al. **Med Clin (Barc)** 1991 May 11;96(18):711–5 (66 ref.) **(Spa)**

DIAGNOSIS

Endocrine imaging: parathyroid, adrenal cortex and medulla, and other endocrine tumors. Part II. Beierwaltes WH. **J Nucl Med** 1991 Aug;32(8):1627–39 (80 ref.)

Preoperative evaluation of the patient with endocrine disease. Gilbert PL. **Mt Sinai J Med** 1991 Jan;58(1):58–68 (25 ref.)

[The nuclear magnetic resonance in endocrinology. Spectroscopy and imaging, present and future] Rossi M, et al. **Ann Endocrinol (Paris)** 1990;51(3–4):138–43 (25 ref.) (Eng. Abstr.) **(Fre)**

[Hormone diagnosis of diseases of the hypophysis, adrenal glands and gonads] Hubl W, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):99–103 (9 ref.) **(Ger)**

[Imaging diagnosis in selected endocrinopathies] Werner B, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):105–11 (16 ref.) **(Ger)**

[Progress on diagnostic techniques of MRI for endocrine diseases] Konishi J. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):346–9 (5 ref.) **(Jpn)**

[The POEMS syndrome] Antela López A, et al. **An Med Interna** 1989 Aug;6(8):439–42 (50 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Gonadotropin releasing hormones. Clinical applications in gynecology. Moghissi KS. **J Reprod Med** 1990 Dec; 35(12):1097–107 (59 ref.)

ENZYMOLOGY

[Diagnostic value of alkaline phosphatase isoenzymes] Nemesánszky E, et al. **Orv Hetil** 1991 Aug 11; 132(32):1739–44, 1747 (55 ref.) (Eng. Abstr.) **(Hun)**

ETIOLOGY

Importance of opioid receptors in the pathogenesis of endocrine abnormalities in chronic renal failure. Grzeszczak W, et al. **Acta Med Pol** 1988;29(3–4):115–29 (59 ref.)

[Endocrine complications of treatment of brain tumors in children] Nicolino M, et al. **Pediatrie** 1991;46(1):109–19 (41 ref.) (Eng. Abstr.) **(Fre)**

[Endocrinology: what is missed—how to treat?] Usadel KH. **Verh Dtsch Ges Inn Med** 1990;96:117–26 (17 ref.) **(Ger)**

[Idiopathic Addison disease and autoimmune polyendocrinopathy] Keil I, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):147–52 (15 ref.) **(Ger)**

[The endocrine complications in thalassemia major] Anastasi S, et al. **Pediatr Med Chir** 1991 Jan–Feb;13(1):63–5 (15 ref.) (Eng. Abstr.) **(Ita)**

GENETICS

Autosomal dominant transmission of the NAME syndrome (nevi, atrial myxoma, mucinosis of the skin and endocrine overactivity). Koopman RJ, et al. **Hum Genet** 1991 Jan; 86(3):300–4 (42 ref.)

Search for the gene for multiple endocrine neoplasia type 2A. Kidd KK, et al. **Recent Prog Horm Res** 1990;46:305–41; discussion 341–3 (136 ref.)

[Immunogenetic factors in the pathogenesis of autoimmune diseases of the endocrine glands] Kuz'menko AP, et al. **Probl Endokrinol (Mosk)** 1991 Jan–Feb;37(1):59–63 (57 ref.) **(Rus)**

IMMUNOLOGY

Are the immune responses to endocrine autoantigens genetically restricted? Farid NR. **Autoimmunity** 1989; 3(1):47–55 (27 ref.)

Cytokines in endocrinology: their roles in health and in disease. Kennedy RL, et al. **J Endocrinol** 1991 May; 129(2):167–78 (136 ref.)

Receptor autoimmunity in endocrine disorders. Wilkin TJ. **N Engl J Med** 1990 Nov 8;323(19):1318–24 (52 ref.)

[Immunogenetic factors in the pathogenesis of autoimmune diseases of the endocrine glands] Kuz'menko AP, et al. **Probl Endokrinol (Mosk)** 1991 Jan–Feb;37(1):59–63 (57 ref.) **(Rus)**

METABOLISM

[Sex differences in drug metabolism in various endocrine diseases] Ashirmetov AKh, et al. **Probl Endokrinol (Mosk)** 1991 Mar–Apr;37(2):65–8 (51 ref.) **(Rus)**

PATHOLOGY

The clinical forms of systemic neuroendocrine pathology (neuroendocrine cybernosis). Milcu SM. **Rev Roum Physiol** 1990 Jan–Mar;27(1):55–60 (24 ref.)

PHYSIOPATHOLOGY

Syndromes of thyroid hormone resistance. Franklyn JA. **Clin Endocrinol (Oxf)** 1991 Mar;34(3):237–45 (44 ref.)

[Hormone-active gastrointestinal tumors. I. Pathophysiology and clinical aspects] Müller MK, et al. **Med Klin** 1990 Oct 15;85(10):598–601 (0 ref.) **(Ger)**

[Endocrinological diagnosis of normocyclic functional sterility] Moltz L, et al. **Ther Umsch** 1990 Dec; 47(12):926–36 (68 ref.) (Eng. Abstr.) **(Ger)**

[The renin-angiotensin-aldosterone (RAA) system in endocrine diseases] Zdrojewicz Z. **Wiad Lek** 1990 Jul 1; 43(13):679–84 (36 ref.) (Eng. Abstr.) **(Pol)**

PSYCHOLOGY

Psychological distress and quality of life in endocrine disease.

Sonino N, et al. **Psychother Psychosom** 1990;54(2-3):140-4 (21 ref.)

RADIONUCLIDE IMAGING

Use of radionuclides in clinical endocrinology. Aw SE, et al. **Ann Acad Med Singapore** 1990 Jul;19(4):489-96 (56 ref.)

THERAPY

Endocrine tumors. van der Hoeven JJ, et al. **Cancer Chemother Biol Response Modif** 1990;11:476-83 (35 ref.)

Peritoneal dialysis improves uremic endocrine disorders. Maher JF. **Contrib Nephrol** 1990;84:45-51 (22 ref.)

Therapeutic strategies in the management of endocrine GEP tumours. Arnold R. **Eur J Clin Invest** 1990 Oct;20 Suppl 1:S82-90 (72 ref.)

Endocrinology. Baxter MA, et al. **Postgrad Med J** 1991 Jan; 67(783):23-32 (47 ref.)

[Endocrine coma] Müller OA. **Internist (Berl)** 1991 Apr; 32(4):181-9 (27 ref.) **(Ger)**

ENDOCRINE GLANDS

DRUG EFFECTS

Endocrine consequences of alcohol abuse. Van Thiel DH, et al. **Alcohol Alcohol** 1990;25(4):341-4 (37 ref.)

Neuroendocrine effects of psychotropic drugs. Checkley S. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):15-33 (131 ref.)

[Non-analgesic effects of opioids] Eledjam JJ, et al. **Cah Anesthesiol** 1991;39(2):111-4 (41 ref.) (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

Endocrinization of the early embryo: an emerging role for hormones and hormone-like factors. de Pablo F, et al. **Trends Biochem Sci** 1990 Sep;15(9):339-42 (39 ref.)

IMMUNOLOGY

Cytokines in endocrinology: their roles in health and in disease. Kennedy RL, et al. **J Endocrinol** 1991 May; 129(2):167-78 (136 ref.)

METABOLISM

Diurnal and ultradian rhythms in human endocrine function: a minireview. Van Cauter E. **Horm Res** 1990;34(2):45-53 (36 ref.)

Prodynorphin gene expression in neuronal and endocrine cell types. Douglass J. **NIDA Res Monogr** 1991;105:109-15 (24 ref.)

PHYSIOLOGY

The role of histamine in the neuroendocrine regulation of pituitary hormone secretion. Knigge U, et al. **Acta Endocrinol (Copenh)** 1991 Jun;124(6):609-19 (65 ref.)

Endocrine basis for growth-promoting therapy. Albertsson-Wikland K. **Acta Paediatr Scand Suppl** 1990; 367:11-3 (21 ref.)

Neuroendocrine functions of histamine. Knigge U, et al. **Agents Actions Suppl** 1991;33:29-53 (83 ref.)

Endocrine and immune implications of human endometrial decidualization in implantation. Mori T, et al. **Ann N Y Acad Sci** 1991;626:321-30 (33 ref.)

Regulation of endocrine function by the nicotinic cholinergic receptor. Fuxe K, et al. **Ciba Found Symp** 1990;152:113-27; discussion 127-30 (52 ref.)

Biochemistry of the pineal gland as an endocrine organ. Feuer G. **Drug Metabol Drug Interact** 1990;8(3-4):203-46 (181 ref.)

Chromogranin A: its role in endocrine function and as an endocrine and neuroendocrine tumor marker. Deftos LJ. **Endocr Rev** 1991 May;12(2):181-7 (55 ref.)

Basic mechanisms and pathways of neuroimmunomodulation (NIM): triggers (and problems for future research). Spector NH. **Int J Neurosci** 1990 Apr;51(3-4):335-7 (4 ref.)

The endothelium--the body's largest endocrine gland? Anggård EE. **J Endocrinol** 1990 Dec;127(3):371-5 (41 ref.)

The endocrine significance of cytokines. Rothwell NJ. **J Endocrinol** 1991 Feb;128(2):171-3 (28 ref.)

[Mechanisms regulating the biosynthesis and release of neurohormones of the neurohypophysis] Guzek JW. **Acta Physiol Pol** 1989;40 Suppl 34:11-28 (89 ref.) **(Pol)**

PHYSIOPATHOLOGY

Biochemistry and endocrinology of the Down's syndrome pregnancy. Chard T. **Ann N Y Acad Sci** 1991;626:580-96 (89 ref.)

The premenstrual syndrome: a psychoneuroendocrine perspective. Dinan TG, et al. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):143-65 (121 ref.)

Neuroendocrine dysfunction in psychotic disorders (excluding ACTH). Ferrier IN. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):1-13 (84 ref.)

Opioid peptides and depression: the neuroendocrine approach. Zis AP, et al. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):97-117 (111 ref.)

Hirsutism: pilosebaceous unit dysregulation. Role of peripheral and glandular factors. Toscano V. **J Endocrinol Invest** 1991 Feb;14(2):153-70 (163 ref.)

Neuroendocrine alterations in iron deficiency. Beard JL. **Prog Food Nutr Sci** 1990;14(1):45-82 (141 ref.)

[Obesity: relationships with the endocrine system] Alboni S, et al. **Recenti Prog Med** 1991 Feb;82(2):104-9 (28 ref.) (Eng. Abstr.) **(Ita)**

RADIATION EFFECTS

[The experimental and clinical aspects of the action of electromagnetic fields on the endocrine glands and brain] Bogoliubov VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1990 May-Jun; (3):58-66 (90 ref.) **(Rus)**

SECRETION

[The endocrine heart and gestational hypertension] Ayala AR. **Ginecol Obstet Mex** 1987 Aug;55:207-13 (21 ref.) (Eng. Abstr.) **(Spa)**

ENDOCRINOLOGY

see related
ENDOCRINE DISEASES

TRENDS

Advances in endocrinology and metabolism 1989-1990. Lamberton P. **R I Med J** 1990 Nov;73(11):549-54 (28 ref.)

ENDOCRINOLOGY AND METABOLISM (SPECIALTY) see **ENDOCRINOLOGY**

ENDOCYTOSIS

Receptor-mediated endocytosis of macromolecular conjugates in selective drug delivery. Basu SK. **Biochem Pharmacol** 1990 Nov 1;40(9):1941-6 (58 ref.)

The asialoglycoprotein receptor: a model for endocytic transport receptors. Spiess M. **Biochemistry** 1990 Oct 30; 29(43):1009-18 (127 ref.)

Endocytosis without clathrin (a minireview). Sandvig K, et al. **Cell Biol Int Rep** 1991 Jan;15(1):3-8 (30 ref.)

Internalization of endogenous and exogenous atrial natriuretic peptide by target tissues. Morel G, et al. **Electron Microsc Rev** 1988;1(2):221-59 (131 ref.)

Endocytosis 1990: from basic biology to health and disease. Second European Workshop on Endocytosis sponsored by the European Molecular Biology Organization and NATO, Paris, France October 1-5, 1990. Courtoy PJ. **New Biol** 1991 Mar;3(3):243-52 (0 ref.)

[Macrophage scavenger receptors: the membrane glycoproteins mediating endocytosis of denatured or modified substances] Kodama T, et al. **Seikagaku** 1991 May; 63(5):335-50 (26 ref.) **(Jpn)**

DRUG EFFECTS

Regulation of receptor-mediated endocytosis by phorbol esters. Backer JM, et al. **Biochem Pharmacol** 1991 May 1; 41(9):1267-77 (142 ref.)

IMMUNOLOGY

Contribution of endosomal acidification to antigen processing. McCoy KL. **Semin Immunol** 1990 Jul; 2(4):239-46 (42 ref.)

Endocytosis and antigen processing. Mellman I. **Semin Immunol** 1990 Jul;2(4):229-37 (43 ref.)

Introduction: endocytosis and processing of exogenous antigens. Watts C. **Semin Immunol** 1990 Jul;2(4):227-8 (9 ref.)

PHYSIOLOGY

The endocytosis of lipoproteins by the liver and their intracellular pathway in comparison to other ligands. Jäckle S, et al. **Adv Exp Med Biol** 1991;285:319-24 (26 ref.)

Vasopressin receptor-mediated endocytosis: current view. Lutz W, et al. **Am J Physiol** 1991 Jul;261(1 Pt 2):F1-13 (126 ref.)

Further considerations on erythroblastic endocytosis and exocytosis. 1. Arguments in favor of the concept that visualized ferritin is ferritin undergoing endocytosis rather than excretion in erythroblasts. Breton-Gorius J. **Blood Cells** 1991;17(1):153-5 (16 ref.)

Endocytosis and transcytosis. Rodman JS, et al. **Curr Opin Cell Biol** 1990 Aug;2(4):664-72 (13 ref.)

Molecular and cellular mechanisms of receptor-mediated endocytosis. Brown VI, et al. **DNA Cell Biol** 1991 Jul-Aug; 10(6):399-409 (94 ref.)

In vitro studies of endocytic membrane traffic. Gruenberg J. **Infection** 1991;19 Suppl 4:S210-5 (69 ref.)

LDL-metabolism of the arterial wall--new implications for atherogenesis. Dresel HA, et al. **Z Kardiol** 1990;79 Suppl 3:9-16 (76 ref.)

ENDODERMAL SINUS TUMOR see **MESONEPHROMA**

ENDODERMOPHYTON see **TRICHOPHYTON**

ENDODONTICS

see related
DENTAL PULP DISEASES

ENDOLYMPH

Old theme and new reflections: hearing impairment associated with endolymphatic hydrops. Horner KC. **Hear Res** 1991 Mar;52(1):147-56 (50 ref.)

PHYSIOLOGY

Production and role of inner ear fluid. Sellick PM, et al. **Prog Neurobiol** 1975;5(4):337-62 (93 ref.)

ENDOLYMPHATIC DUCT

Delayed endolymphatic hydrops and its relationship to Menière's disease. Schuknecht HF, et al. **Ann Otol Rhinol Laryngol** 1990 Nov;99(11):843-53 (17 ref.)

PHYSIOLOGY

Modern concepts of endolymphatic sac function. Bagger-Sjöbäck D. **Acta Otorhinolaryngol Belg** 1991; 45(2):165-9 (32 ref.)

ENDOLYMPHATIC SAC

ANATOMY & HISTOLOGY

[Current opinions on the endolymphatic sac structure] Durko T. **Otolaryngol Pol** 1990;44(1):1-4 (14 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Modern concepts of endolymphatic sac function. Bagger-Sjöbäck D. **Acta Otorhinolaryngol Belg** 1991; 45(2):165-9 (32 ref.)

SURGERY

[Surgery of the endolymphatic sac and preservation of hearing in endolymphatic hydrops] Akyildiz N, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991;112(2):153-7 (26 ref.) (Eng. Abstr.) **(Fre)**

ENDOMETRIAL CYCLE see **MENSTRUAL CYCLE**

ENDOMETRIOSIS

Endometriosis. An important condition in clinical gastroenterology. Zwas FR, et al. **Dig Dis Sci** 1991 Mar; 36(3):353-64 (120 ref.)

Asymptomatic mild endometriosis in infertile women: the case for expectant management. Maouris P. **Obstet Gynecol Surv** 1991 Aug;46(8):548-51 (25 ref.)

[Endometriosis] Masi C, et al. **Minerva Chir** 1990 Sep 15; 45(17):1083-7 (26 ref.) (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Animal model of uterine adenomyosis: is prolactin a potent inducer of adenomyosis in mice? Mori T, et al. **Am J Obstet Gynecol** 1991 Jul;165(1):232-4 (51 ref.)

COMPLICATIONS

Role of peritoneal inflammation in endometriosis-associated infertility. Halme J. **Ann N Y Acad Sci** 1991;622:266-74 (51 ref.)

Endometriosis and infertility. el-Roeiy A, et al. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):166-72 (16 ref.)

Catamenial hemoptysis: a case report and review of the literature. Guidry GG, et al. **J La State Med Soc** 1990 Nov;142(11):27-30 (16 ref.)

Mild endometriosis and infertility: a critical review of epidemiologic data, diagnostic pitfalls, and classification limits. Candiani GB, et al. **Obstet Gynecol Surv** 1991 Jun; 46(6):374-82 (70 ref.)

[Infertility and a mild degree of endometriosis] Trap R, et al. **Nord Med** 1991;106(1):19-22 (15 ref.) (Eng. Abstr.) **(Dan)**

[Ureteral stenosis due to endometriosis: a case report] Iwasaki M, et al. **Hinyokika Kiyo** 1991 Feb;37(2):179-82 (27 ref.) (Eng. Abstr.) **(Jpn)**

[Unilateral hydronephrosis with hypertension due to ureteral endometriosis] Sekihara T, et al. **Hinyokika Kiyo** 1990 Sep; 36(9):1069-72 (14 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Endometriosis of the terminal ileum simulating the clinical, roentgenographic, and surgical findings in Crohn's disease. Cappell MS, et al. **Am J Gastroenterol** 1991 Aug; 86(8):1057-62 (55 ref.)

Adenomyomas of the small intestine. Gal R, et al. **Histopathology** 1991 Apr;18(4):369-71 (6 ref.)

[Adenomyomatosis vesicae felleae] Fog I, et al. **Ugeskr Laeger** 1991 Mar 4;153(10):701-5 (30 ref.) (Eng. Abstr.) **(Dan)**

[Clinical aspects of endometriosis] Giobbe C, et al. **Minerva Ginecol** 1991 Jan-Feb;43(1-2):1-5 (30 ref.) (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Pharmacologic management of endometriosis. Saltiel E, et al. **Clin Pharm** 1991 Jul;10(7):518–31 (78 ref.)
Medical treatment of mild endometriosis associated with infertility. Candiani GB, et al.
Eur J Obstet Gynecol Reprod Biol 1991 Feb 25;38(3):169–80 (101 ref.)

ETIOLOGY

Secondary müllerian system and endometriosis. Fujii S.
Am J Obstet Gynecol 1991 Jul;165(1):219–25 (51 ref.)
A reappraisal of the coelomic metaplasia theory by reviewing endometriosis occurring in unusual sites and instances. Suginami H. **Am J Obstet Gynecol** 1991 Jul;165(1):214–8 (11 ref.)
Etiology and histogenesis of endometriosis. Dmowski WP. **Ann N Y Acad Sci** 1991;622:236–41 (33 ref.)
Endometriosis in episiotomy scar with anal sphincter involvement. Report of a case. Sayfan J, et al.
Dis Colon Rectum 1991 Aug;34(8):713–6 (22 ref.)

IMMUNOLOGY

[Immunological aspects of endometriosis] Ishchenko IG.
Akush Ginekol (Mosk) 1991 Mar;(3):8–12 (68 ref.) **(Rus)**

METABOLISM

[Changes in the peritoneal effusion in endometriosis and infertility] Shen L, et al. **Chung Hua I Hsueh Tsa Chih** 1991 May;71(5):296–8 (25 ref.) **(Chi)**

PATHOLOGY

Sex cord tumor with annular tubules associated with endometriosis of the fallopian tube. Griffith LM, et al.
Am J Clin Pathol 1991 Aug;96(2):259–62 (28 ref.)
Clear cell carcinoma arising in extraovarian endometriosis: report of three cases and review of the literature. Hitti IF, et al. **Gynecol Oncol** 1990 Dec;39(3):314–20 (17 ref.)
Uterus-like mass of the ovary associated with endometrioid carcinoma. Rahilly MA, et al. **Histopathology** 1991 Jun; 18(6):549–51 (7 ref.)

PHYSIOPATHOLOGY

Pelvic denervation for chronic pain associated with endometriosis: fact or fancy? Vercellini P, et al.
Am J Obstet Gynecol 1991 Sep;165(3):745–9 (51 ref.)
Pathophysiology of mild endometriosis: review of literature. Mahmood TA, et al. **Hum Reprod** 1990 Oct;5(7):765–84 (310 ref.)

RADIOGRAPHY

[Ureteral endometriosis: a case report] Irisawa C, et al.
Hinyokika Kiyo 1991 Apr;37(4):389–92 (15 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Laparoscopic treatment of ovarian endometriomas. Martin DC. **Clin Obstet Gynecol** 1991 Jun;34(2):452–9 (61 ref.)
The role of laparoscopy in the treatment of endometriosis. Cook AS, et al. **Fertil Steril** 1991 Apr;55(4):663–80 (121 ref.)
The risks/benefits of laparoscopic cautery for endometriosis [editorial] Haney AF. **Fertil Steril** 1991 Feb;55(2):243–5 (6 ref.)
Conservative surgical treatment for severe endometriosis in infertile women: are we making progress? Candiani GB, et al. **Obstet Gynecol Surv** 1991 Jul;46(7):490–8 (91 ref.)

THERAPY

Current management of endometriosis. Ranney B.
Curr Opin Obstet Gynecol 1989 Dec;1(2):220–6 (43 ref.)

ENDOMETRITIS

Pneumococcal endometritis and neonatal sepsis. Robinson EN Jr. **Rev Infect Dis** 1990 Sep–Oct;12(5):799–801 (11 ref.)

ETIOLOGY

[Chronic endometritis] Popova TV.
Akush Ginekol (Mosk) 1990 Aug;(8):13–6 (46 ref.) **(Rus)**
[The role of the immune system in the pathogenesis and treatment of suppurative-inflammatory diseases after cesarean section] Timoshenko LV, et al.
Akush Ginekol (Mosk) 1990 Nov;(11):9–12 (63 ref.) **(Rus)**

ENDOMETRIUM

ANATOMY & HISTOLOGY

Morphological and histochemical factors related to implantation. Johannisson E.
Baillieres Clin Obstet Gynaecol 1991 Mar;5(1):191–209 (95 ref.)

CYTOLOGY

Leukocytes and resident blood cells in endometrium. Bulmer JN, et al. **Ann N Y Acad Sci** 1991;622:57–68 (41 ref.)
Histology of the human endometrium: from birth to senescence. Ferenczy A, et al. **Ann N Y Acad Sci** 1991; 622:6–27 (61 ref.)
Expression of the uteroglobin promoter in epithelial cell lines from endometrium. Helftenbein G, et al.
Ann N Y Acad Sci 1991;622:69–79 (28 ref.)
Interaction between endometrium epithelial cells (SNG-M) and teratocarcinoma cells (HT-H) differentiated into trophoblast. Fukuda MN. **Hum Cell** 1989 Dec;2(4):345–55 (61 ref.)

DRUG EFFECTS

Can the withdrawal bleed following oestrogen replacement therapy be avoided? Leather AT, et al.
Br J Obstet Gynaecol 1990 Dec;97(12):1071–4 (22 ref.)
Effects on the endometrium, endo- and exocervix following the use of local progestogen-releasing delivery systems. Johannisson E. **Contraception** 1990 Oct;42(4):403–21 (74 ref.)

ENZYMOLOGY

Human 17 beta-hydroxysteroid dehydrogenase in normal and malignant endometrium. Vihko R, et al.
Ann N Y Acad Sci 1991;622:392–401 (31 ref.)

METABOLISM

The insulin-like growth factor binding proteins--the endometrium and decidua. Bell SC. **Ann N Y Acad Sci** 1991;622:120–37 (78 ref.)
Insulin-like growth factor-II (IGF-II) and IGF binding proteins in human endometrium. Giudice LC, et al.
Ann N Y Acad Sci 1991;626:295–307 (56 ref.)
Endometrial prolactin and implantation. Healy DL.
Baillieres Clin Obstet Gynaecol 1991 Mar;5(1):95–105 (35 ref.)
Regulation of endometrial prostaglandins during the menstrual cycle and in early pregnancy. Salamonsen LA, et al. **Reprod Fertil Dev** 1990;2(5):443–57 (133 ref.)

MICROBIOLOGY

[Chronic endometritis] Popova TV.
Akush Ginekol (Mosk) 1990 Aug;(8):13–6 (46 ref.) **(Rus)**

PATHOLOGY

The interpretation of endometrial biopsies. Merrill JA.
Clin Obstet Gynecol 1991 Mar;34(1):211–21 (16 ref.)

PHYSIOLOGY

The endometrium in human assisted reproduction. Cittadini E, et al. **Ann N Y Acad Sci** 1991;622:230–5 (16 ref.)
Factors regulating interaction between trophoblast and human endometrium. Flamigni C, et al.
Ann N Y Acad Sci 1991;622:176–90 (81 ref.)
Introduction: research on the human endometrium. Gurpide E, et al. **Ann N Y Acad Sci** 1991;622:1–5 (17 ref.)
Autocrine and paracrine effects in the endometrium. Leake R, et al. **Ann N Y Acad Sci** 1991;622:145–8 (14 ref.)
Plasminogen activators in endometrial physiology and embryo implantation: a review. Littlefield BA.
Ann N Y Acad Sci 1991;622:167–75 (74 ref.)
Endocrine and immune implications of human endometrial decidualization in implantation. Mori T, et al.
Ann N Y Acad Sci 1991;626:321–30 (33 ref.)
Preparation of the human endometrium for implantation. Navot D, et al. **Ann N Y Acad Sci** 1991;622:212–9 (21 ref.)
Endometrial proteins as local regulators of human endometrial function and their appearance in serum: clinical applications. Seppälä M, et al. **Ann N Y Acad Sci** 1991; 626:312–20 (65 ref.)
Cytokine regulation of human endometrial function. Tabibzadeh S. **Ann N Y Acad Sci** 1991;622:89–98 (42 ref.)
Assessment of endometrial differentiation and function. Bell SC. **Br Med Bull** 1990 Jul;46(3):720–32 (42 ref.)
Luteal-phase defect. Cook CL. **Clin Obstet Gynecol** 1991 Mar;34(1):198–210 (75 ref.)
Endometrial function: studies using isolated cells in vitro. Findlay JK, et al. **Oxf Rev Reprod Biol** 1990;12:181–223 (230 ref.)
[Molecular mechanisms of the effect of estradiol (the latest concept)] Sergeev PV, et al.
Vestn Akad Med Nauk SSSR 1990;(6):57–62 (63 ref.) **(Rus)**

SECRETION

Human endometrial protein secretion relative to implantation. Seppälä M, et al. **Baillieres Clin Obstet Gynaecol** 1991 Mar; 5(1):61–72 (76 ref.)
Glycans as biochemical markers of human endometrial secretory differentiation. Aplin JD. **J Reprod Fertil** 1991 Jul;92(2):525–41 (96 ref.)

SURGERY

Transcervical endometrial resection for abnormal uterine bleeding--report of 100 cases and review of the literature. Maher PJ, et al. **Aust N Z J Obstet Gynaecol** 1990 Nov; 30(4):357–60 (39 ref.)
Surgical alternatives to hysterectomy for intractable menorrhagia [see comments] Boto TC, et al.
Br J Hosp Med 1990 Aug;44(2):93–9 (50 ref.) Comment in: Br J Hosp Med 1990 Nov;44(5):318.

ULTRASONOGRAPHY

Endometrial thickness after menopause: effect of hormone replacement [see comments] Lin MC, et al. **Radiology** 1991 Aug;180(2):427–32 (20 ref.) Comment in: Radiology 1991 Aug;180(2):306.

ULTRASTRUCTURE

Estrogen and progestin receptors in the macaque endometrium. Brenner RM, et al. **Ann N Y Acad Sci** 1991; 622:149–66 (39 ref.)
Microarchitecture of the human endometrium by scanning electron microscopy: menstrual desquamation and remodeling. Ludwig H, et al. **Ann N Y Acad Sci** 1991; 622:28–46 (7 ref.)
Ultrastructure in human implantation: transmission and scanning electron microscopy. Lindenberg S.
Baillieres Clin Obstet Gynaecol 1991 Mar;5(1):1–14 (62 ref.)

ENDOMYCETALES

Fungemia with Saccharomycetaceae. Report of four cases and review of the literature. Nielsen H, et al.
Scand J Infect Dis 1990;22(5):581–4 (15 ref.)

ENDOMYCOPSIS see **ENDOMYCETALES**

ENDOMYOCARDIAL FIBROSIS

ETIOLOGY

Cardiac changes in uremia and their possible relation to cardiovascular instability on dialysis. Ritz E, et al.
Contrib Nephrol 1990;78:221–9 (21 ref.)

ENDONUCLEASE ECORI see **DEOXYRIBONUCLEASE ECORI**

ENDONUCLEASE MAPPING, RESTRICTION see **RESTRICTION MAPPING**

ENDONUCLEASES

METABOLISM

Damage specific mammalian endonucleases. Haukanes BI, et al. **Basic Life Sci** 1990;53:191–202 (25 ref.)

PHYSIOLOGY

[The role of endogenous endonucleases in programmed cell death] Rzepecki R, et al. **Postepy Biochem** 1991;37(1):18–23 (49 ref.) **(Pol)**

ENDOPEPTIDASES see **PEPTIDE PEPTIDOHYDROLASES**

ENDOPHTHALMITIS

Intraocular infections: current therapeutic approach. Hibberd PL, et al. **Curr Clin Top Infect Dis** 1991;11:118–69 (371 ref.)

DRUG THERAPY

Immunosuppressive drugs in immune and inflammatory ocular disease [published erratum appears in Surv Ophthalmol 1991 May-Jun;35(6):475] Hemady R, et al.
Surv Ophthalmol 1991 Mar–Apr;35(5):369–85 (227 ref.)

ETIOLOGY

[Acute and chronic inflammatory reactions following implantation of artificial lenses] Treumer H.
Fortschr Ophthalmol 1990;87 Suppl:S33–40 (34 ref.) (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Endophthalmitis caused by non-albicans species of Candida. Joshi N, et al. **Rev Infect Dis** 1991 Mar–Apr;13(2):281–7 (61 ref.)

PHYSIOPATHOLOGY

Arachidonic acid cascade and platelet-activating factor in the network of eye inflammatory mediators: therapeutic implications in uveitis. Bazan NG, et al. **Int Ophthalmol** 1990 Oct;14(5–6):335–44 (48 ref.)

PREVENTION & CONTROL

Postoperative endophthalmitis. Elston RA, et al.
J Hosp Infect 1991 Apr;17(4):243–53 (49 ref.)

ENDOPLASMIC RETICULUM

CHEMISTRY

The retention signal for soluble proteins of the endoplasmic reticulum. Pelham HR. **Trends Biochem Sci** 1990 Dec; 15(12):483–6 (31 ref.)

METABOLISM

The endoplasmic reticulum and calcium storage. Koch GL.
Bioessays 1990 Nov;12(11):527–31 (33 ref.)

More than just a channel: provocative new features of protein traffic across the ER membrane. Lingappa VR. **Cell** 1991 May 17;65(4):527–30 (26 ref.)
Molecular dissection of early stages of the eukaryotic secretory pathway. Balch WE. **Curr Opin Cell Biol** 1990 Aug;2(4):634–41 (32 ref.)
Ribonucleoparticle-independent transport of proteins into mammalian microsomes. Zimmermann R, et al.
J Bioenerg Biomembr 1990 Dec;22(6):711–23 (68 ref.)
Transport and assembly processes in the endoplasmic reticulum. Gething MJ, et al. **Semin Cell Biol** 1990 Feb; 1(1):65–72 (90 ref.)
Rapidly exchanging Ca2+ stores of non-muscle cells. Volpe P, et al. **Semin Cell Biol** 1990 Aug;1(4):297–304 (65 ref.)
Small GTP-binding proteins in vesicular transport. Balch WE. **Trends Biochem Sci** 1990 Dec;15(12):473–7 (49 ref.)
Protein transport across the ER membrane. Rapoport TA. **Trends Biochem Sci** 1990 Sep;15(9):355–8 (39 ref.)
[The functional interactions between 2 electron-transport links in liver endoplasmic membranes] Angelov E.
Eksp Med Morfol 1990;29(4):65–70 (22 ref.) **(Bul)**

PHYSIOLOGY

Golgi complex beads and the transition region. Locke M. **Bioessays** 1990 Oct;12(10):495–501 (42 ref.)
Defining components required for transport from the ER to the Golgi complex in yeast. Newman AP, et al.
Bioessays 1990 Oct;12(10):485–91 (43 ref.)
Role of biological membranes in slow-wave sleep. Karnovsky ML. **J Bioenerg Biomembr** 1991 Feb; 23(1):123–32 (61 ref.)

ENDORIBONUCLEASES

Ribonuclease H: from discovery to 3D structure. Crouch RJ. **New Biol** 1990 Sep;2(9):771–7 (82 ref.)

ANALYSIS

RNase H of human leukemic cells: a new biological parameter in the study of human leukemias (review). Papaphilis AD, et al. **Anticancer Res** 1990 Sep–Oct; 10(5A):1201–12 (90 ref.)

CHEMISTRY

Seminal RNase: a unique member of the ribonuclease superfamily. D'Alessio G, et al. **Trends Biochem Sci** 1991 Mar;16(3):104–6 (30 ref.)

METABOLISM

Nobel lecture. Enzymatic cleavage of RNA by RNA. Altman S. **Biosci Rep** 1990 Aug;10(4):317–37 (68 ref.)
Ribonuclease P. Postscript. Altman S. **J Biol Chem** 1990 Nov 25;265(33):20053–6 (37 ref.)
Ribonucleases H of retroviral and cellular origin. Wintersberger U. **Pharmacol Ther** 1990;48(2):259–80 (210 ref.)

ENDORPHIN, BETA see **BETA-ENDORPHIN**

ENDORPHIN RECEPTORS see **RECEPTORS, ENDORPHIN**

ENDORPHINS

METABOLISM

Opioid receptors and their ligands: natural and unnatural. Pleuvry BJ. **Br J Anaesth** 1991 Mar;66(3):370–80 (89 ref.)
Opioid modulation of gonadotropin and prolactin secretion in domestic farm animals. Barb CR, et al.
Domest Anim Endocrinol 1991 Jan;8(1):15–27 (105 ref.)
The possible involvement of endogenous opioid peptides and catecholestrogens in provoking menstrual irregularities in women athletes. De Crée C. **Int J Sports Med** 1990 Oct; 11(5):329–48 (150 ref.)

PHARMACOLOGY

Effects of opioid peptides on peripheral stimulation and "stress"-induced analgesia in animals. Bodnar RJ.
Crit Rev Neurobiol 1990;6(1):39–49 (188 ref.)
Opioid receptors: development of selective peptidomimetics with agonist or antagonist activity. Ronsisvalle G, et al. **Farmaco** 1991 Jan;46(1 Suppl):171–5 (18 ref.)

PHYSIOLOGY

Neuropeptides and pain. Carr DB, et al. **Agressologie** 1990 Apr;31(4):173–7 (56 ref.)
Neuromodulatory regulation of gonadotropin-releasing hormone pulsatile discharge in women. Jaffe RB, et al. **Am J Obstet Gynecol** 1990 Nov;163(5 Pt 2):1727–31 (42 ref.)
Opioid peptides and depression: the neuroendocrine approach. Zis AP, et al.
Baillieres Clin Endocrinol Metab 1991 Mar;5(1):97–117 (111 ref.)
The role of endogenous opioid peptides in the regulation of pain. Ramabadran K, et al. **Crit Rev Neurobiol** 1990; 6(1):13–32 (294 ref.)
Central stimulation-induced analgesia in humans--modulation by endogenous opioid peptides. Richardson DE. **Crit Rev Neurobiol** 1990;6(1):33–7 (27 ref.)
Opioid peptides and stress. Székely JI.
Crit Rev Neurobiol 1990;6(1):1–12 (124 ref.)
Endogenous opioids, the enteric nervous system and gut motility. Kromer W. **Dig Dis** 1990;8(6):361–73 (49 ref.)
Recent developments in the endocrine regulation of the male gonad. Negro-Vilar A. **Ginecol Obstet Mex** 1990 Apr-May;58 Suppl 1:14–7 (37 ref.)
The interaction between mediobasohypothalamic dopaminergic and endorphinergic neuronal systems as a key regulator of reproduction: an hypothesis. Rasmussen DD. **J Endocrinol Invest** 1991 Apr;14(4):323–52 (324 ref.)
Opioid receptors and endogenous opioid peptides. Simon EJ. **Med Res Rev** 1991 Jul;11(4):357–74 (85 ref.)
Stress-ethanol interaction: involvement of endogenous opioid mechanisms. Aragon CM, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):535–41 (37 ref.)
An ethological model for the study of activation and interaction of pain, memory and defensive systems in the attacked mouse. Role of endogenous opioids. Siegfried B, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):481–90 (115 ref.)
Endogenous opiates: 1989. Olson GA, et al. **Peptides** 1990 Nov-Dec;11(6):1277–304 (436 ref.)
Opioids and opioid receptors mediating antinociception at various levels of the neuraxis. Herz A, et al.
Physiol Bohemoslov 1990;39(5):395–401 (39 ref.)
Influence of opiate systems in pain transmission during angina pectoris. Droste C. **Z Kardiol** 1990;79 Suppl 3:31–43 (181 ref.)
[Morphinan alkaloids present in mammal] Ning YM, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):329–32 (36 ref.) **(Chi)**
[Mechanism of the role of endogenous opioid-like substances] Wang CJ. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct; 21(4):333–6 (40 ref.) **(Chi)**
[Menstrual cycle, opioids and hypothalamic amenorrhea: from physiology to pathology] Krause B, et al.
Zentralbl Gynakol 1990;112(12):725–33 (0 ref.) (Eng. Abstr.) **(Ger)**
[Molecular basis of the communication of the nervous, endocrine and immune systems] Brunetti L. **Clin Ter** 1991 Mar 15;136(5):301–20 (254 ref.) (Eng. Abstr.) **(Ita)**
[Physiological and pharmacological actions of a neuroactive dipeptide, kyotorphin, and its precursor, L-arginine, and clinical application] Takagi H.
Nippon Yakurigaku Zasshi 1990 Sep;96(3):85–96 (54 ref.) (Eng. Abstr.) **(Jpn)**
[The role of neuropeptides in memory processes] Słowik S. **Psychiatr Pol** 1990 May-Jun;24(3):217–24 (39 ref.) **(Pol)**
[Opioid peptides--endogenous stimulators of tissue regeneration] Slepushkin VD. **Ortop Travmatol Protez** 1990 Oct;(10):73–7 (56 ref.) **(Rus)**

ENDOSCOPIC RETROGRADE CHOLANGIOPANCREATOGRAPHY see **CHOLANGIOPANCREATOGRAPHY, ENDOSCOPIC RETROGRADE**

ENDOSCOPY

Pediatric sinusitis: diagnosis and management with endoscopic techniques. Duplechain JK, et al.
J La State Med Soc 1991 May;143(5):7–13 (13 ref.)
Fine caliber cholangioscopy. Guenther RW, et al.
Radiol Clin North Am 1990 Nov;28(6):1171–83 (26 ref.)

ADVERSE EFFECTS

AIDS: practising safe endoscopy. Hanson PJ.
Baillieres Clin Gastroenterol 1990 Jun;4(2):477–94 (82 ref.)
[Complications and limitations of pelvic ureter endoscopy] Dormia G, et al. **Arch Ital Urol Nefrol Androl** 1990 Dec; 62(4):419–21 (4 ref.) (Eng. Abstr.) **(Ita)**
[Complications and limitations of ureteroscopy] Valente R, et al. **Arch Ital Urol Nefrol Androl** 1990 Dec;62(4):411–7 (9 ref.) (Eng. Abstr.) **(Ita)**
[Complications of rigid ureteroscopy] Vicente J, et al.
Actas Urol Esp 1991 Jan-Feb;15(1):55–8 (24 ref.) (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

The mechanics of endoscope disinfection. Babb JR, et al.
J Hosp Infect 1991 Jun;18 Suppl A:130–5 (22 ref.)
Viral transmission and fibreoptic endoscopy. Hanson PJ, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:136–40 (28 ref.)
[Endoscopic microsurgery] Cuschieri A. **Chirurg** 1991 Apr; 62(4):248–52 (15 ref.) **(Ger)**
[Peroral and transhepatic cholangioscopy] Schmitt W, et al. **Leber Magen Darm** 1991 May;21(3):116, 119–20, 122–4 (14 ref.) (Eng. Abstr.) **(Ger)**
[Hygienic measures in endoscopy] Exner M, et al.
Z Gastroenterol 1990 Nov;28(11):635–43 (47 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Endoscopic management of biliary tract stones and stenosis. Zimmon DS, et al. **Cardiovasc Intervent Radiol** 1990 Aug-Sep;13(4):252–7 (30 ref.)
Functional endoscopic sinus surgery. Bear VD.
Med J Aust 1991 Aug 19;155(4):243–5 (6 ref.)
Percutaneous nucleotomy: technique with discoscopy. Schreiber A, et al. **Orthopedics** 1991 Apr;14(4):439–44 (15 ref.)
[Current diagnostic and therapeutic procedures in reproduction medicine. Salpingoscopy and surgical hysteroscopy] Campo RL, et al. **Gynakologe** 1990 Aug; 23(4):214–21 (39 ref.) **(Ger)**
[Endoscopic treatment of bile duct stones and their complications] Bühler H. **Schweiz Rundsch Med Prax** 1990 Nov 13;79(46):1416–21 (50 ref.) (Eng. Abstr.) **(Ger)**

VETERINARY

The future of veterinary endoscopy. Barthel JS.
Vet Clin North Am Small Anim Pract 1990 Sep; 20(5):1377–90 (24 ref.)
Rhinoscopy. McCarthy TC, et al.
Vet Clin North Am Small Anim Pract 1990 Sep; 20(5):1265–90 (1 ref.)
Avian endoscopy. Satterfield WC.
Vet Clin North Am Small Anim Pract 1990 Sep; 20(5):1353–67 (20 ref.)

ENDOSCOPY, DIGESTIVE SYSTEM

Endoscopic ultrasonography of the upper gastrointestinal tract. Dancygier H. **Baillieres Clin Gastroenterol** 1991 Mar; 5(1):19–36 (38 ref.)
Endoscopic therapy of acute and chronic pancreatitis. Geenen JE, et al. **Gastrointest Endosc** 1991 May-Jun; 37(3):377–82 (45 ref.)
Disinfection and endoscopy: summary and recommendations. Working party report to the World Congresses of Gastroenterology, Sydney 1990. Axon AT.
J Gastroenterol Hepatol 1991 Jan-Feb;6(1):23–4 (14 ref.)
Disinfection and endoscopy: microbial considerations. Bond WW. **J Gastroenterol Hepatol** 1991 Jan-Feb;6(1):31–6 (29 ref.)
Cleaning and disinfection of flexible endoscopes and ancillary equipment: use of automatic disinfectors. Bottrill PM, et al. **J Gastroenterol Hepatol** 1991 Jan-Feb;6(1):45–7 (7 ref.)
Disinfection and endoscopy: the clinical risks of infection. Cowen AE. **J Gastroenterol Hepatol** 1991 Jan-Feb; 6(1):25–30 (104 ref.)
Disinfection and endoscopy: procedures and staff safety. Fleisher DE. **J Gastroenterol Hepatol** 1991 Jan-Feb; 6(1):41–3 (6 ref.)
Endoscopic disinfection: practices and recommendations. Tandon RK. **J Gastroenterol Hepatol** 1991 Jan-Feb; 6(1):37–9 (8 ref.)
Frontiers of biliary endoscopy. Cotton PB.
Scand J Gastroenterol Suppl 1990;175:58–62 (28 ref.)
[Role of intraoperative choledochoscopy in surgery of biliary lithiasis] Zola C, et al. **G Chir** 1988 Mar-Apr;9(3-4):229–32 (33 ref.) (Eng. Abstr.) **(Ita)**

INSTRUMENTATION

[Papillotomy--dilatation of the papilla] van Husen N.
Verh Dtsch Ges Inn Med 1990;96:619–24 (43 ref.) **(Ger)**

METHODS

Endoscopic nasobiliary catheter drainage in biliary and pancreatic disease. Leung JW, et al.
Am J Gastroenterol 1991 Apr;86(4):389–94 (32 ref.)
Endoscopic management of pancreatic disorders. Irani SK. **Gastroenterol Clin North Am** 1990 Dec;19(4):975–97 (111 ref.)
[Sedation in upper gastrointestinal endoscopy] Adamsen S. **Ugeskr Laeger** 1991 Mar 18;153(12):828–30 (30 ref.) (Eng. Abstr.) **(Dan)**
[Endoscopic ultrasound scanning of the upper gastrointestinal canal] Vilmann P, et al. **Ugeskr Laeger** 1991 Feb 4; 153(6):414–7 (25 ref.) (Eng. Abstr.) **(Dan)**

ENDOSCOPY, GASTROINTESTINAL

Review article: premedication and intravenous sedation for upper gastrointestinal endoscopy. Bell GD.
Aliment Pharmacol Ther 1990 Apr;4(2):103–22 (159 ref.)
The appreciation of colour in endoscopy. Vakil N, et al.
Baillieres Clin Gastroenterol 1991 Mar;5(1):183–94 (9 ref.)
Consensus statement on therapeutic endoscopy and bleeding ulcers. Consensus Development Panel.
Gastrointest Endosc 1990 Sep–Oct;36(5 Suppl):S62–5 (0 ref.)
Introduction to endoscopic therapy for bleeding peptic ulcers. Jiranek GC, et al. **Gastrointest Endosc** 1990 Sep–Oct;36(5 Suppl):S25–9 (39 ref.)
Endoscopic risk factors for bleeding peptic ulcer. Johnston JH. **Gastrointest Endosc** 1990 Sep–Oct;36(5 Suppl):S16–20 (30 ref.)
Gastrointestinal endoscopy (1). Morrissey JF, et al.
N Engl J Med 1991 Oct 17;325(16):1142–9 (122 ref.)
Therapeutic upper gastrointestinal endoscopy. Past, present, and future. Lambert R. **Scand J Gastroenterol Suppl** 1990; 175:63–76 (58 ref.)
[Diagnostic standards in chronic pancreatitis--imaging procedures] Bosseckert H. **Z Gastroenterol Verh** 1991 Mar; 26:62–8 (12 ref.) **(Ger)**
[Papillotomy in acute pancreatitis--never--selective--or always? Early ERCP and EST (endoscopic sphincterotomy)] Kautz G. **Z Gastroenterol Verh** 1991 Mar; 26:72–6 (30 ref.) **(Ger)**

[Acute intestinal hemorrhage] Staritz M. **Z Gastroenterol Verh** 1991 Mar;26:21-5 (14 ref.) **(Ger)**
[Role of endoscopy in lymphomatous pathology of the digestive tract] Vigneri S, et al. **Minerva Med** 1990 Nov; 81(11):785-9 (24 ref.) (Eng. Abstr.) **(Ita)**
[Endoscopy in upper gastrointestinal tract hemorrhage] Marañón Sepúlveda M. **Rev Gastroenterol Mex** 1990 Jul-Sep;55(3):111-7 (72 ref.) (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Monitoring and safety in endoscopy. Bell GD. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):79-98 (63 ref.)
Complications of diagnostic gastrointestinal endoscopy. Hart R, et al. **Endoscopy** 1990 Sep;22(5):229-33 (31 ref.)

INSTRUMENTATION

Disinfection of endoscopic equipment. Axon AT. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):61-77 (42 ref.)
Monitoring and safety in endoscopy. Bell GD. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):79-98 (63 ref.)
Cleaning, disinfection, and sterilization of gastrointestinal endoscopes: approaches in the office. Tremain SC, et al. **J Fam Pract** 1991 Mar;32(3):300-5 (26 ref.)
Electronic endoscopy: its present and future. Takemoto T, et al. **J Gastroenterol Hepatol** 1989 Jan-Feb;4(1):75-80 (4 ref.)
[Endoscopic hemostasis of the upper digestive tract] Frimberger E, et al. **Internist (Berl)** 1991 Apr;32(4):190-8 (74 ref.) **(Ger)**
[Possible uses of laser in gastroenterology] Bosseckert H. **Z Gesamte Inn Med** 1990 Oct 15;45(20):621-3 (13 ref.) (Eng. Abstr.) **(Ger)**

METHODS

The role of fibre optics in gastroenterology. Hope AH, et al. **Aust Fam Physician** 1990 Nov;19(11):1699-701, 1704-6, 1709, passim (15 ref.)
Balloon technology and its applications in gastrointestinal endoscopy. Dakkak M, et al. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):195-208 (94 ref.)
Video endoscopy, the electronic endoscopy unit and integrated imaging. Sivak MV Jr. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):1-18 (8 ref.)
Therapeutic endoscopy and bleeding ulcers: methodology. Benjamin SB. **Gastrointest Endosc** 1990 Sep-Oct;36(5 Suppl):S56-61 (30 ref.)
[Primary ulcer of the small intestine. The value of peroperative endoscopy] Gustot P, et al. **Acta Gastroenterol Belg** 1990 Jul-Aug;53(4):391-6 (34 ref.) (Eng. Abstr.) **(Fre)**
[Idiopathic ulcerative proctitis. Clinical presentation and endoscopic outcome] Siproudhis L, et al. **Gastroenterol Clin Biol** 1991;15(4):315-21 (38 ref.) (Eng. Abstr.) **(Fre)**

ENDOSCOPY, UTERINE see **HYSTEROSCOPY**

ENDOSSEOUS IMPLANTATION see **DENTAL IMPLANTATION, ENDOSSEOUS**

ENDOTHELIN-1 see **ENDOTHELINS**

ENDOTHELIN-2 see **ENDOTHELINS**

ENDOTHELIN-3 see **ENDOTHELINS**

ENDOTHELINS

Endothelins [editorial] **Lancet** 1991 Jan 12;337(8733):79-81 (32 ref.)

BLOOD

Endothelins. Anggård EE, et al. **Blood Vessels** 1990; 27(2-5):269-81 (87 ref.)

CEREBROSPINAL FLUID

Cerebrospinal fluid endothelin-1 and endothelin-3 levels in normal and neurosurgical patients: a clinical study and literature review. Kraus GE, et al. **Surg Neurol** 1991 Jan; 35(1):20-9 (61 ref.)

METABOLISM

Endothelin: isoforms, binding sites and possible implications in pathology. Nayler WG. **Trends Pharmacol Sci** 1990 Mar; 11(3):96-9 (37 ref.)

PHARMACOLOGY

Cellular mechanism of vasoconstriction induced by endothelin. Masaki T, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:425-8 (21 ref.)
A new vasoconstrictor peptide, endothelin: profiles as vasoconstrictor and neuropeptide. Shigeno T, et al. **Cerebrovasc Brain Metab Rev** 1990 Fall;2(3):227-39 (96 ref.)
Vascular activities of the endothelins. Randall MD. **Pharmacol Ther** 1991;50(1):73-93 (148 ref.)

PHYSIOLOGY

Endothelin--new endothelium-derived constricting factor. Karwatowska-Prokopczuk E. **Acta Physiol Pol** 1989 Sep-Dec;40(5-6):449-55 (30 ref.)
Mediators from the endothelial cell. Vane JR, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:627-36 (66 ref.)
Endothelium-derived vasoactive factors and the renal vasculature. King AJ, et al. **Am J Physiol** 1991 Apr;260(4 Pt 2):R653-62 (110 ref.)
Endothelium-derived contractile factors. Sánchez-Ferrer CF, et al. **Gen Pharmacol** 1990;21(5):589-603 (153 ref.)
Endothelin. Chabrier PE, et al. **Horm Res** 1990; 34(3-4):169-74 (47 ref.)
Endothelins: a family of regulatory peptides. State-of-the-art lecture. Simonson MS, et al. **Hypertension** 1991 Jun;17(6 Pt 2):856-63 (57 ref.)
Endothelium-derived relaxing and contracting factors. Rubanyi GM. **J Cell Biochem** 1991 May;46(1):27-36 (47 ref.)
Role of endothelin in mechanisms of local blood pressure control. Masaki T, et al. **J Hypertens Suppl** 1990 Dec; 8(7):S107-12 (45 ref.)
Endothelium-derived relaxing and contracting factors: perspectives in nephrology [editorial] Lüscher TF, et al. **Kidney Int** 1991 Apr;39(4):575-90 (238 ref.)
Endothelin: a new cardiovascular regulatory peptide. Lerman A, et al. **Mayo Clin Proc** 1990 Nov;65(11):1441-55 (111 ref.)
Vascular activities of the endothelins. Randall MD. **Pharmacol Ther** 1991;50(1):73-93 (148 ref.)
Endothelins: potent releasers of prostacyclin and EDRF. Botting RM, et al. **Pol J Pharmacol Pharm** 1990 May-Jun; 42(3):203-18 (27 ref.)
Endothelin, its diverse biological activities and mechanisms of action. Takuwa Y, et al. **Prog Growth Factor Res** 1989; 1(4):195-206 (68 ref.)
Nitric oxide and endothelins: novel autocrine/paracrine regulators of the circulation. Marsden PA, et al. **Semin Nephrol** 1991 Mar;11(2):169-85 (179 ref.)
Endothelin in perinatal pharmacology. Masaki T, et al. **Semin Perinatol** 1991 Feb;15(1):27-9 (22 ref.)
Endothelins in perinatal biology. Mitchell MD. **Semin Perinatol** 1991 Feb;15(1):79-85 (35 ref.)
Endothelium-derived vasoactive factors and the control of the circulation. Vane JR, et al. **Semin Perinatol** 1991 Feb; 15(1):4-10 (76 ref.)
Endothelin receptors cloned, endothelin converting enzyme characterized and pathophysiological roles for endothelin proposed. Webb DJ. **Trends Pharmacol Sci** 1991 Feb; 12(2):43-6 (14 ref.)
[Vasoactive factors of endothelial origin] Levesque H, et al. **J Mal Vasc** 1990;15(4):393-8 (53 ref.) (Eng. Abstr.) **(Fre)**
[Endothelial mediators regulating vascular tonus] Gris JC, et al. **Presse Med** 1991 Feb 23;20(7):303-8 (23 ref.) (Eng. Abstr.) **(Fre)**
[Endothelial relaxation and contraction] Lüscher TF. **Dtsch Med Wochenschr** 1991 May 10;116(19):747-54 (61 ref.) **(Ger)**
[Endothelin: a new vasoconstrictor of endothelial origin] Abassi Z, et al. **Harefuah** 1991 Apr 1;120(7):388-92 (34 ref.) **(Heb)**
[Endothelins and lung] Okabe T. **Kokyu To Junkan** 1991 Apr; 39(4):304-10 (24 ref.) **(Jpn)**
[Endothelin] Sawamura T, et al. **No Shinkei Geka** 1990 Sep; 18(9):797-806 (91 ref.) **(Jpn)**
[Endothelin. Its physiological activity. Its role in cardiovascular pathology] Zharova EA, et al. **Ter Arkh** 1990;62(8):140-5 (111 ref.) **(Rus)**

ENDOTHELIUM

ENZYMOLOGY

[Endothelial cell proteases and their modulation by platelets] Menashi S, et al. **Pathol Biol (Paris)** 1990 Dec;38(10):1015-9 (33 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Anti-neutrophil cytoplasmic antibodies and anti-endothelial cell antibodies. Dillon MJ, et al. **Pediatr Nephrol** 1991 Mar; 5(2):256-9 (44 ref.)

METABOLISM

Lipid metabolism and signal transduction in endothelial cells. Whatley RE, et al. **Prog Lipid Res** 1990;29(1):45-63 (164 ref.)

PHYSIOLOGY

Regulation of the adhesion of neutrophils to endothelium. Vadas MA, et al. **Biochem Pharmacol** 1990 Oct 15; 40(8):1683-7 (49 ref.)
Modulation by cytokines of leukocyte-endothelial cell interactions. Implications for thrombosis. Beretz A, et al. **Biorheology** 1990;27(3-4):455-60 (23 ref.)
Biology of bone endothelial cells. Streeten EA, et al. **Bone Miner** 1990 Aug;10(2):85-94 (27 ref.)

ENDOTHELIUM, ANTERIOR CHAMBER see **ENDOTHELIUM, CORNEAL**

ENDOTHELIUM, CORNEAL

DRUG EFFECTS

Intraocular drugs used in cataract surgery and their effect on the corneal endothelium. MacRae S. **Refract Corneal Surg** 1991 May-Jun;7(3):249-51 (11 ref.)

METABOLISM

Oxygen free radicals and corneal endothelium. Hull DS, et al. **Lens Eye Toxic Res** 1989;6(1-2):87-91 (5 ref.)
Oxygen free radicals and corneal endothelium. Hull DS. **Trans Am Ophthalmol Soc** 1990;88:463-511 (90 ref.)

PATHOLOGY

[Endothelial protection in surgical interventions and corneal donor tissue] Hartmann C. **Fortschr Ophthalmol** 1990;87 Suppl:S198-205 (48 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

The corneal endothelium. Tuft SJ, et al. **Eye** 1990;4 (Pt 3):389-424 (455 ref.)

PHYSIOPATHOLOGY

The response of the corneal endothelium to intraocular surgery. Liesegang TJ. **Refract Corneal Surg** 1991 Jan-Feb; 7(1):81-6 (21 ref.)

ENDOTHELIUM-DERIVED RELAXING FACTOR

BIOSYNTHESIS

[Vasoactive factors of endothelial origin] Levesque H, et al. **J Mal Vasc** 1990;15(4):393-8 (53 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Endothelium-derived relaxing factor (nitric oxide), lipoprotein oxidation and atherosclerosis. Bruckdorfer KR, et al. **Biochem Soc Trans** 1990 Dec;18(6):1061-3 (24 ref.)
EDRF in intact vascular networks. Griffith TM, et al. **Blood Vessels** 1990;27(2-5):230-7 (23 ref.)
Endothelium-dependent relaxations and chronic vasospasm after subarachnoid hemorrhage. Kim P, et al. **Blood Vessels** 1990;27(2-5):263-8 (29 ref.)
Endothelium-derived hyperpolarizing factor. Komori K, et al. **Blood Vessels** 1990;27(2-5):238-45 (31 ref.)
Endothelium-dependent effects of beta-adrenergic blockers. Vanhoutte PM. **Blood Vessels** 1990;27(2-5):301-5 (23 ref.)
Endothelins: potent releasers of prostacyclin and EDRF. Botting RM, et al. **Pol J Pharmacol Pharm** 1990 May-Jun; 42(3):203-18 (27 ref.)

PHARMACOLOGY

Endothelium-derived relaxing factor: basic review and clinical implications. Johns RA. **J Cardiothorac Vasc Anesth** 1991 Feb;5(1):69-79 (184 ref.)
Pharmacology of endothelium-derived nitric oxide and nitrovasodilators. Ignarro LJ, et al. **West J Med** 1991 Jan; 154(1):51-62 (95 ref.)

PHYSIOLOGY

Endothelium-derived vasoactive factors and the renal vasculature. King AJ, et al. **Am J Physiol** 1991 Apr;260(4 Pt 2):R653-62 (110 ref.)
St Cyres lecture. Endothelium in control [published erratum appears in Br Heart J 1991 May;65(5):298] Henderson AH. **Br Heart J** 1991 Mar;65(3):116-25 (175 ref.)
Does endocardium modulate myocardial contractile performance? Lewis MJ, et al. **Cardioscience** 1990 Jun; 1(2):83-7 (48 ref.)
Vascular endothelium in ischemic heart disease: possible role for endothelium-derived relaxing factor. Henderson AH. **Cardiovasc Drugs Ther** 1989 Jun;3 Suppl 1:241-8 (69 ref.)
Endothelium-derived relaxing factor (EDRF) and nitric oxide (NO). II. Physiology, pharmacology and pathophysiological implications. Feng Q, et al. **Clin Physiol** 1990 Nov;10(6):503-26 (174 ref.)
Endothelium-derived relaxing factor (EDRF) and nitric oxide (NO). I. Physiology, pharmacology and pathophysiological implications. Feng Q, et al. **Clin Physiol** 1990 Sep;10(5):407-26 (180 ref.)
Endogenous nitrates--implications for treatment and prevention. Anggård EE. **Eur Heart J** 1991 May;12 Suppl A:5-8 (36 ref.)
Role of endothelium-formed nitric oxide on vascular responses. Marín J, et al. **Gen Pharmacol** 1990;21(5):575-87 (160 ref.)
Endothelium-derived relaxing factors. A perspective from in vivo data. Marshall JJ, et al. **Hypertension** 1990 Oct; 16(4):371-86 (135 ref.)
Role of endothelium-derived relaxing factor in regulation of vascular tone and remodeling. Update on humoral regulation of vascular tone. Tolins JP, et al. **Hypertension** 1991 Jun;17(6 Pt 2):909-16 (99 ref.)
Endothelium-derived relaxing and contracting factors. Rubanyi GM. **J Cell Biochem** 1991 May;46(1):27-36 (47 ref.)

Role of endothelin in mechanisms of local blood pressure control. Masaki T, et al. **J Hypertens Suppl** 1990 Dec; 8(7):S107–12 (45 ref.)
Endothelium-derived relaxing and contracting factors: perspectives in nephrology [editorial] Lüscher TF, et al. **Kidney Int** 1991 Apr;39(4):575–90 (238 ref.)
Nitric oxide and endothelins: novel autocrine/paracrine regulators of the circulation. Marsden PA, et al. **Semin Nephrol** 1991 Mar;11(2):169–85 (179 ref.)
Endothelium-dependent relaxation, endothelium-derived relaxing factor and photorelaxation of blood vessels. Furchgott RF. **Semin Perinatol** 1991 Feb;15(1):11–5 (33 ref.)
Endothelium-derived vasoactive substances and uterine blood vessels. Magness RR. **Semin Perinatol** 1991 Feb; 15(1):68–78 (66 ref.)
Relationship between prostacyclin and nitric oxide in the thrombotic process. Moncada S, et al. **Thromb Res Suppl** 1990;11:3–13 (47 ref.)
[Endothelial mediators regulating vascular tonus] Gris JC, et al. **Presse Med** 1991 Feb 23;20(7):303–8 (23 ref.) (Eng. Abstr.) **(Fre)**
[Endothelial relaxation and contraction] Lüscher TF. **Dtsch Med Wochenschr** 1991 May 10;116(19):747–54 (61 ref.) **(Ger)**
[Modulation of coronary tone: the role of the endothelium] Bassenge E. **G Ital Cardiol** 1990 Nov;20(11):1062–9 (91 ref.) **(Ita)**
[Nitric oxide: from endogenous vasodilator to biologic mediator] Berrazueta JR, et al. **Rev Esp Cardiol** 1990 Aug–Sep;43(7):421–31 (131 ref.) (Eng. Abstr.) **(Spa)**

SECRETION

Generation and transmission of vasoactive and antiaggregatory signals by the endothelium. Bassenge E, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:434–40 (26 ref.)

ENDOTHELIUM-DERIVED VASOCONSTRICTOR FACTORS see **ENDOTHELINS**

ENDOTHELIUM, VASCULAR

Seminars in thrombosis, thrombolysis and vascular biology. 1. The vascular endothelium. Becker RC. **Cardiology** 1991; 78(1):13–22 (54 ref.)
Endothelialization of the luminal sac in artificial cardiac prostheses: a challenge for both biologists and engineers. Lelkes PI, et al. **J Biomech Eng** 1991 May;113(2):132–42 (94 ref.)

CHEMISTRY

Lipoproteins in normal and atherosclerotic aorta. Ylä-Herttuala S, et al. **Eur Heart J** 1990 Aug;11 Suppl E:88–99 (52 ref.)

CYTOLOGY

Leucocyte adhesion to endothelium. Wardlaw A. **Clin Exp Allergy** 1990 Nov;20(6):619–26 (61 ref.)
Structure and function of high endothelial postcapillary venules in lymphocyte circulation. De Bruyn PP, et al. **Curr Top Pathol** 1990;84 (Pt 1):85–101 (50 ref.)
Interactions between endothelial cells and the cells of the immune system. Cavender DE. **Int Rev Exp Pathol** 1991; 32:57–94 (248 ref.)
Effects of soluble factors and extracellular matrix components on vascular cell behavior in vitro and in vivo: models of de-endothelialization and repair. Madri JA, et al. **J Cell Biochem** 1991 Feb;45(2):123–30 (29 ref.)
Human blood protein and cellular interactions in the healing responses of vascular prosthesis. Anderson JM, et al. **J Vasc Surg** 1991 May;13(5):750–1 (7 ref.)
Endothelial cell seeding. Herring MB. **J Vasc Surg** 1991 May; 13(5):731–2 (10 ref.)
Genetic manipulation of seeded endothelial cells in vascular prostheses. Stanley JC. **J Vasc Surg** 1991 May;13(5):736–8 (10 ref.)
Hemodynamic forces and the biology of the endothelium: signal transduction pathways in endothelial cells subjected to physical forces in vitro. Sumpio BE. **J Vasc Surg** 1991 May;13(5):744–6 (11 ref.)
[Lipid peroxidation injury of endothelial cells and atherosclerosis] Zhou M, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1990 Aug; 18(4):248–50 (15 ref.) **(Chi)**

DRUG EFFECTS

Endothelium-dependent effects of beta-adrenergic blockers. Vanhoutte PM. **Blood Vessels** 1990;27(2–5):301–5 (23 ref.)
Impact of blood pressure and antihypertensive treatment on incipient and overt nephropathy, retinopathy, and endothelial permeability in diabetes mellitus. Parving HH. **Diabetes Care** 1991 Mar;14(3):260–9 (87 ref.)
Heparin-endothelial cell interactions. D'Amore PA. **Haemostasis** 1990;20 Suppl 1:159–65 (33 ref.)
Molecular biology of cytokine effects on vascular endothelial cells. Suzuki H, et al. **Int Rev Exp Pathol** 1991;32:95–148 (304 ref.)
Secretory function of vascular endothelium and its implication in the action of vasoactive drugs. Gryglewski RJ. **Pol J Pharmacol Pharm** 1990 May–Jun;42(3):219–36 (66 ref.)
Superoxide anion and endothelial regulation of arterial tone. Katušić ZS, et al. **Semin Perinatol** 1991 Feb;15(1):30–3 (28 ref.)
Fish oil and the platelet-blood vessel wall interaction. Vanhoutte PM, et al. **World Rev Nutr Diet** 1991;66:233–44 (41 ref.)

IMMUNOLOGY

The endothelial cell as a regulator of T-cell function. Hughes CC, et al. **Immunol Rev** 1990 Oct;117:85–102 (75 ref.)
Lymphocyte interacting adhesion molecules on brain microvascular cells. Hart MN, et al. **Mol Immunol** 1990 Dec;27(12):1355–9 (15 ref.)
Natural antibody targets on discordant endothelium: molecular characterization and consequences of antibody binding. Platt JL, et al. **Transplant Proc** 1991 Feb;23(1 Pt 1):815–6 (15 ref.)
[Antiendothelial cell antibodies] Cervera R, et al. **Med Clin (Barc)** 1990 Nov 24;95(18):712–5 (60 ref.) **(Spa)**

METABOLISM

The role of phospholipase A2 activating protein (PLAP) in regulating prostanoid production in smooth muscle and endothelial cells following leukotriene D4 treatment. Clark MA, et al. **Adv Exp Med Biol** 1990;275:125–44 (11 ref.)
Regulation of eicosanoid biosynthesis in endothelial cells: critical role of de novo synthesis of prostaglandin endoperoxide synthase. Wu KK. **Adv Exp Med Biol** 1990; 281:297–301 (29 ref.)
Endothelial cell 13-HODE synthesis and tumor cell endothelial cell adhesion. Buchanan MR, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:909–12 (21 ref.)
G-proteins and endothelial responses. Flavahan NA, et al. **Blood Vessels** 1990;27(2–5):218–29 (65 ref.)
St Cyres lecture. Endothelium in control [published erratum appears in Br Heart J 1991 May;65(5):298] Henderson AH. **Br Heart J** 1991 Mar;65(3):116–25 (175 ref.)
Control of brain endothelial permeability. Abbott NJ, et al. **Cerebrovasc Brain Metab Rev** 1991 Spring;3(1):39–72 (215 ref.)
Transport of low density lipoproteins across endothelial monolayers. Hough GP, et al. **Eur Heart J** 1990 Aug;11 Suppl E:62–71 (28 ref.)
Lipoprotein metabolism of human and rabbit arterial cells in primary culture. Jaakkola O, et al. **Eur Heart J** 1990 Aug;11 Suppl E:128–33 (20 ref.)
Role of endothelium-formed nitric oxide on vascular responses. Marín J, et al. **Gen Pharmacol** 1990;21(5):575–87 (160 ref.)
GMP-140: a receptor for neutrophils and monocytes on activated platelets and endothelium. McEver RP. **J Cell Biochem** 1991 Feb;45(2):156–61 (36 ref.)
von Willebrand factor and the endothelium. Wagner DD, et al. **Mayo Clin Proc** 1991 Jun;66(6):621–7 (25 ref.)
Endothelium-derived vasoactive substances in fetal placental vessels. Chaudhuri G, et al. **Semin Perinatol** 1991 Feb; 15(1):63–7 (36 ref.)
Endothelial cell production of platelet-derived growth factor. Fox PL, et al. **Semin Perinatol** 1991 Feb;15(1):34–9 (38 ref.)
Biosynthesis and actions of nitric oxide. Moncada S, et al. **Semin Perinatol** 1991 Feb;15(1):16–9 (39 ref.)
The role of platelet-activating factor in endothelial cells. Prescott SM, et al. **Thromb Haemost** 1990 Aug 13; 64(1):99–103 (27 ref.)
Macrophages, endothelial cells, and lipoprotein oxidation in the pathogenesis of atherosclerosis. Rosenfeld ME, et al. **Toxicol Pathol** 1990;18(4 Pt 1):560–71 (64 ref.)
LDL-metabolism of the arterial wall--new implications for atherogenesis. Dresel HA, et al. **Z Kardiol** 1990;79 Suppl 3:9–16 (76 ref.)

PATHOLOGY

Ultrastructural events associated with endothelial cell changes during the initiation and early progression of atherosclerosis. Taylor RG, et al. **Adv Exp Med Biol** 1990; 273:89–93 (23 ref.)
Intimal disruption and coronary thrombosis: its role in the pathogenesis of human coronary disease. Forrester J. **Am J Cardiol** 1991 Sep 3;68(7):69B–77B (50 ref.)
Myointimal hyperplasia: pathogenesis and implications. 2. Animal injury models and mechanical factors. Painter TA. **Artif Organs** 1991 Apr;15(2):103–18 (172 ref.)
Pathobiology of endothelial and other vascular cells in diabetes mellitus. Call for data. Lorenzi M, et al. **Diabetes** 1991 Jun;40(6):653–9 (99 ref.)
Endothelium and smooth muscle: trophic interactions and potential for therapeutic intervention. Schachter M. **J Hum Hypertens** 1990 Oct;4 Suppl 4:17–20; discussion 20–1 (30 ref.)
Prevention of stenosis after vascular reconstruction: pharmacologic control of intimal hyperplasia--a review. Clowes AW, et al. **J Vasc Surg** 1991 Jun;13(6):885–91 (59 ref.)
Endothelial alterations in hypercholesterolaemia and atherosclerosis. Lefer AM, et al. **Pharmacol Res** 1991 Jan; 23(1):1–12 (62 ref.)
Resident glomerular cells in glomerular injury: endothelial cells. Savage CO, et al. **Semin Nephrol** 1991 May; 11(3):312–9 (90 ref.)

PHYSIOLOGY

How does the arterial endothelium sense flow? Hemodynamic forces and signal transduction. Davies PF, et al. **Adv Exp Med Biol** 1990;273:281–93 (47 ref.)
Fibrin and the vessel wall. Kaplan KL, et al. **Adv Exp Med Biol** 1990;281:313–8 (20 ref.)
Mediators from the endothelial cell. Vane JR, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:627–36 (66 ref.)
Mechanisms of vasoconstriction. Frelin C. **Am Heart J** 1991 Mar;121(3 (Pt 1)):958–60 (35 ref.)
Endothelium-derived vasoactive factors and the renal vasculature. King AJ, et al. **Am J Physiol** 1991 Apr;260(4 Pt 2):R653–62 (110 ref.)
Endothelium and inflammation. Piovella F, et al. **Ann Cardiol Angeiol (Paris)** 1991 May;40(5):255–8 (21 ref.)
The effects of ATP on endothelium. Gordon JL. **Ann N Y Acad Sci** 1990;603:46–51; discussion 51–2 (34 ref.)
Calcium-dependent and calcium-independent cell adhesion molecules in the endothelium. Heimark RL. **Ann N Y Acad Sci** 1991;614:229–39 (51 ref.)
The fibrinolytic system of the vessel wall and its role in the control of thrombosis. Loskutoff DJ, et al. **Ann N Y Acad Sci** 1990;598:238–47 (97 ref.)
Endothelial cell fibrinolytic assembly. Nachman RL, et al. **Ann N Y Acad Sci** 1991;614:240–9 (44 ref.)
Effects of extracellular ATP on the release of vasoactive mediators from endothelium. Pearson JD, et al. **Ann N Y Acad Sci** 1990;603:267–73; discussion 273–4 (26 ref.)
Mechanisms controlling the extracellular activity of basic fibroblast growth factor and transforming growth factor. Rifkin DB, et al. **Ann N Y Acad Sci** 1991;614:250–8 (21 ref.)
A comparison of ectonucleotidase activities on vascular endothelial and smooth muscle cells. Slakey LL, et al. **Ann N Y Acad Sci** 1990;603:366–78; discussion 378–9 (18 ref.)
The role of vascular endothelial cells in transplantation. Sedmak DD, et al. **Arch Pathol Lab Med** 1991 Mar; 115(3):260–5 (81 ref.)
The role of endothelial cells in the maintenance of arterial wall integrity and their potential role in the pathogenesis of arteriosclerosis. Habenicht AJ, et al. **Beitr Infusionther** 1988;23:18–25 (6 ref.)
Leukocyte-dependent and leukocyte-independent mechanisms of impairment of endothelium-mediated vasodilation. Lefer AM, et al. **Blood Vessels** 1990; 27(2–5):162–8 (22 ref.)
Mechanoreception by the endothelium: mediators and mechanisms of pressure- and flow-induced vascular responses. Rubanyi GM, et al. **Blood Vessels** 1990; 27(2–5):246–57 (31 ref.)
Voltage-dependent and agonist-activated ionic currents in vascular endothelial cells: a review. Takeda K, et al. **Blood Vessels** 1990;27(2–5):169–83 (61 ref.)
Endothelium-dependent contractions. Vanhoutte PM, et al. **Blood Vessels** 1991;28(1–3):74–83 (44 ref.)
Interdependence of pharmacologically-induced and endothelium-mediated coronary vasodilation in antianginal therapy. Bassenge E, et al. **Cardiovasc Drugs Ther** 1988 May;2(1):27–34 (54 ref.)
Vascular endothelium in ischemic heart disease: possible role for endothelium-derived relaxing factor. Henderson AH. **Cardiovasc Drugs Ther** 1989 Jun;3 Suppl 1:241–8 (69 ref.)
Calcium oscillations in endothelial cells. Jacob R. **Cell Calcium** 1991 Feb–Mar;12(2–3):127–34 (30 ref.)
Shock- and ischemia-induced mechanisms of impairment of endothelium-mediated vasodilation. Lefer AM, et al. **Chest** 1991 Sep;100(3 Suppl):160S–163S (20 ref.)
Endothelial control of vascular tone and growth. Lüscher TF. **Clin Exp Hypertens [A]** 1990;12(5):897–902 (14 ref.)
The role of vascular endothelium in the pathogenesis of connective tissue disease: endothelial injury, activation, participation and response. Kahaleh MB. **Clin Exp Rheumatol** 1990 Nov–Dec;8(6):595–601 (44 ref.)
Endothelium and regulation of coagulation. Stern DM, et al. **Diabetes Care** 1991 Feb;14(2):160–6 (18 ref.)
Transport, interactions and retention of plasma proteins in the intima: the barrier function of the internal elastic lamina. Smith EB. **Eur Heart J** 1990 Aug;11 Suppl E:72–81 (34 ref.)
Endothelial cells as part of a vascular oxygen-sensing system: hypoxia-induced release of autacoids. Pohl U. **Experientia** 1990 Dec 1;46(11–12):1175–9 (45 ref.)
Physiological role of vessel wall related antithrombotic mechanisms: contribution of endogenous and exogenous heparin-like components to the anticoagulant potential of the endothelium. Preissner KT. **Haemostasis** 1990;20 Suppl 1:30–49 (161 ref.)
Regulation of cerebral blood vessels by humoral and endothelium-dependent mechanisms. Update on humoral regulation of vascular tone. Faraci FM, et al. **Hypertension** 1991 Jun;17(6 Pt 2):917–22 (70 ref.)
Vascular endothelial cell differentiation: organ-specificity and selective affinities as the basis for developing anti-cancer strategies. Auerbach R. **Int J Radiat Biol** 1991 Jul–Aug;60(1–2):1–10 (24 ref.)
Regulation of plasminogen activator production by

endothelial cells: role in fibrinolysis and local proteolysis. van Hinsbergh VW, et al. **Int J Radiat Biol** 1991 Jul–Aug; 60(1–2):261–72 (83 ref.)

Cytokine–endothelial interactions in inflammation, immunity, and vascular injury. Cotran RS, et al. **J Am Soc Nephrol** 1990 Sep;1(3):225–35 (102 ref.)

Endothelial cell biology in relation to current concepts of vessel wall structure and function. Marsden PA, et al. **J Am Soc Nephrol** 1991 Jan;1(7):931–48 (197 ref.)

Endothelium-derived relaxing and contracting factors. Rubanyi GM. **J Cell Biochem** 1991 May;46(1):27–36 (47 ref.)

Endothelial cells and the pathogenesis of rheumatoid arthritis in humans and streptococcal cell wall arthritis in Lewis rats. Wilder RL, et al. **J Cell Biochem** 1991 Feb;45(2):162–6 (34 ref.)

The endothelium—the body's largest endocrine gland? Anggård EE. **J Endocrinol** 1990 Dec;127(3):371–5 (41 ref.)

Local mechanisms of blood flow control by perivascular nerves and endothelium. Burnstock G. **J Hypertens Suppl** 1990 Dec;8(7):S95–106 (142 ref.)

The role of the endothelium in in vivo anticoagulation. Housholder GT. **J Oral Maxillofac Surg** 1991 May; 49(5):507–11 (43 ref.)

Graft endothelialization: the role of angiogenic mechanisms. Clowes AW, et al. **J Vasc Surg** 1991 May;13(5):734–6 (12 ref.)

Control of brain microcirculation by endothelium. Rosenblum WI. **Keio J Med** 1990 Sep;39(3):137–41 (23 ref.)

Structure and function of the endothelial cytoskeleton. Gottlieb AI, et al. **Lab Invest** 1991 Aug;65(2):123–37 (159 ref.)

Endothelial cell biology. Pearson JD. **Radiology** 1991 Apr; 179(1):9–14 (80 ref.)

Endothelial and neuro-humoral control of coronary blood flow in health and disease. Bassenge E, et al. **Rev Physiol Biochem Pharmacol** 1990;116:77–165 (568 ref.)

The role of pulmonary vascular endothelium in perinatal pulmonary circulatory regulation. Fineman JR, et al. **Semin Perinatol** 1991 Feb;15(1):58–62 (31 ref.)

Endothelium-dependent relaxation, endothelium-derived relaxing factor and photorelaxation of blood vessels. Furchgott RF. **Semin Perinatol** 1991 Feb;15(1):11–5 (33 ref.)

Fetal and newborn cerebral vascular responses and adaptations to hypoxia. Longo LD, et al. **Semin Perinatol** 1991 Feb;15(1):49–57 (44 ref.)

Hemodynamic influences on vascular endothelial biology. Nerem RM, et al. **Toxicol Pathol** 1990;18(4 Pt 1):572–82 (65 ref.)

The role of endothelial cells in inflammation. Pober JS, et al. **Transplantation** 1990 Oct;50(4):537–44 (69 ref.)

[Advances in fibrinolysis mediated by vascular endothelial cells] Zhou QS. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct; 21(4):318–22 (47 ref.) **(Chi)**

[Vascular mechanisms in the pathogenesis of multiple sclerosis] Mayer M. **Cesk Neurol Neurochir** 1990 Jul; 53(4):209–14 (54 ref.) **(Cze)**

[The factors of relaxation and contraction produced by the vascular endothelium. Effect of aging and the cardiovascular risk factors] Richard V, et al. **Ann Cardiol Angeiol (Paris)** 1991 May;40(5):249–54 (57 ref.) **(Fre)**

[The role of the endothelium in the regulation of vasomotor activity] Boulanger C, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:35–44 (70 ref.) (Eng. Abstr.) **(Fre)**

[Endothelial mediators regulating vascular tonus] Gris JC, et al. **Presse Med** 1991 Feb 23;20(7):303–8 (23 ref.) (Eng. Abstr.) **(Fre)**

[Endothelial relaxation and contraction] Lüscher TF. **Dtsch Med Wochenschr** 1991 May 10;116(19):747–54 (61 ref.) **(Ger)**

[Review: heparin. 2. Effect on thrombocytes, vascular walls and fibrinolysis] Kaše F, et al. **Folia Haematol (Leipz)** 1990; 117(6):905–15 (96 ref.) (Eng. Abstr.) **(Ger)**

[Effect of the coronary microvascular system on adenine nucleotide metabolism and subsequent functions of the heart] Nees S, et al. **Internist (Berl)** 1990 Oct;31(10):617–24 (36 ref.) **(Ger)**

[Modulation of coronary tone: the role of the endothelium] Bassenge E. **G Ital Cardiol** 1990 Nov;20(11):1062–9 (91 ref.) **(Ita)**

[Type 1 plasminogen activator inhibitor: its role in biological reactions] Mimuro J. **Rinsho Ketsueki** 1991 May; 32(5):487–9 (10 ref.) (Eng. Abstr.) **(Jpn)**

[The role of endothelial cells in inflammation and immunity] Niculescu F, et al. **Rev Ig [Bacteriol]** 1990 Apr–Jun; 35(2):97–112 (59 ref.) **(Rum)**

[The role of the endothelium in vascular reactivity] Haulică I. **Rev Med Chir Soc Med Nat Iasi** 1990 Jan–Mar; 94(1):19–26 (36 ref.) **(Rum)**

PHYSIOPATHOLOGY

Myocardial ischemia: pathogenic role of disturbed vasomotion and endothelial dysfunction in coronary atherosclerosis. Selwyn AP, et al. **Adv Cardiol** 1990; 37:42–52 (41 ref.)

Smoking, catecholamines and their effects on endothelial cell integrity. Bondjers G, et al. **Adv Exp Med Biol** 1990; 273:51–9 (42 ref.)

Cigarette smoking and endothelial injury: a review. Pittilo RM. **Adv Exp Med Biol** 1990;273:61–78 (87 ref.)

von Willebrand factor and endothelial abnormalities in diabetic microangiopathy. Porta M, et al. **Diabetes Care** 1991 Feb;14(2):167–72 (28 ref.)

Arterial wall proteoglycans—biological properties related to pathogenesis of atherosclerosis. Radhakrishnamurthy B, et al. **Eur Heart J** 1990 Aug;11 Suppl E:148–57 (19 ref.)

Role of endothelial dysfunction in the pathogenesis of reperfusion injury after myocardial ischemia. Lefer AM, et al. **FASEB J** 1991 Apr;5(7):2029–34 (40 ref.)

Endothelial modulation of vascular tone: relevance to coronary angioplasty and restenosis. Harrison DG. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):71B–76B (49 ref.)

Mechanisms of coronary vasospasm: role of endothelium. Shepherd JT, et al. **J Mol Cell Cardiol** 1991 Feb;23 Suppl 1:125–31 (21 ref.)

Hypothesis: antigen-specific T cells prime central nervous system endothelium for recruitment of nonspecific inflammatory cells to effect autoimmune demyelination. Cross AH, et al. **J Neuroimmunol** 1991 Sep;33(3):237–44 (45 ref.)

The molecular biology of occlusive stroke in childhood. Shuman RM. **Neurol Clin** 1990 Aug;8(3):553–70 (89 ref.)

[Arteriosclerosis. Cellular biology aspects] Heinle H. **Med Monatsschr Pharm** 1990 Oct 10;13(10):313–7 (10 ref.) **(Ger)**

RADIATION EFFECTS

Physiological and biochemical markers of the endothelial cell response to irradiation. Rubin DB, et al. **Int J Radiat Biol** 1991 Jul–Aug;60(1–2):29–32 (26 ref.)

SECRETION

Generation and transmission of vasoactive and antiaggregatory signals by the endothelium. Bassenge E, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:434–40 (26 ref.)

Secretory function of vascular endothelium and its implication in the action of vasoactive drugs. Gryglewski RJ. **Pol J Pharmacol Pharm** 1990 May–Jun;42(3):219–36 (66 ref.)

[Vasoactive factors of endothelial origin] Levesque H, et al. **J Mal Vasc** 1990;15(4):393–8 (53 ref.) (Eng. Abstr.) **(Fre)**

TRANSPLANTATION

Endothelial cell seeding. Mosquera DA, et al. **Br J Surg** 1991 Jun;78(6):656–60 (96 ref.)

The use of endothelial seeding of prosthetic arterial bypass grafts. Herring MB. **Surg Annu** 1991;23 Pt 2:157–71 (45 ref.)

ULTRASTRUCTURE

Structure and function of the endothelial cytoskeleton. Gottlieb AI, et al. **Lab Invest** 1991 Aug;65(2):123–37 (159 ref.)

Relationship between microvascular permeability and ultrastructure. Clough G. **Prog Biophys Mol Biol** 1991; 55(1):47–69 (108 ref.)

The endothelial cytoskeleton: organization in normal and regenerating endothelium. Gotlieb AI. **Toxicol Pathol** 1990; 18(4 Pt 1):603–17 (140 ref.)

ENDOTOXINS

The ultrastructural morphology of endotoxins and lipopolysaccharides. Brogden KA, et al. **Electron Microsc Rev** 1988;1(2):261–78 (96 ref.)

Bacterial endotoxins and the liver. Fox ES, et al. **Lab Invest** 1990 Dec;63(6):733–41 (94 ref.)

[Traditional Chinese medicine and Western medicine in the treatment of endotoxemia] Chen HL. **Chung Hsi I Chieh Ho Tsa Chih** 1991 Mar;11(3):184–7 (37 ref.) **(Chi)**

BLOOD

Endotoxemia in liver disease—time for re-appraisal? Triger DR. **J Hepatol** 1991 Mar;12(2):136–8 (21 ref.)

[Plasmapheresis as an optimal method to improve the outcome of surgical diseases] Genyk SN, et al. **Sov Med** 1990;(7):33–41 (60 ref.) **(Rus)**

[Endotoxin-binding systems of the blood] Apollonin AV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Nov; (11):100–6 (53 ref.) **(Rus)**

IMMUNOLOGY

Postoperative and traumatic sepsis-like syndrome: a new understanding. Schlag G, et al. **Acute Care** 1988–89; 14–15:244–69 (195 ref.)

Antibodies to lipopolysaccharides: some diagnostic and protective aspects. Fomsgaard A. **APMIS Suppl** 1990; 18:1–38 (138 ref.)

Endotoxin as an alarm signal of bacterial invasion: current evidence and implications. LeGrand EK. **J Am Vet Med Assoc** 1990 Aug 15;197(4):454–6 (40 ref.)

An evolutionary perspective of endotoxin: a signal for a well-adapted defense system. Legrand EK. **Med Hypotheses** 1990 Sep;33(1):49–56 (61 ref.)

METABOLISM

Multiple receptors for endotoxin. Wright SD. **Curr Opin Immunol** 1991 Feb;3(1):83–90 (43 ref.)

PHARMACOLOGY

[Effects of endotoxin on platelet] He K, et al. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):69–72 (41 ref.) **(Chi)**

PHYSIOLOGY

Role of endotoxin and host cytokines in septic shock. Dunn DL. **Chest** 1991 Sep;100(3 Suppl):164S–168S (50 ref.)

THERAPEUTIC USE

Response of tumors to thermodynamic stimulation of the immune system. Keen AR, et al. **Del Med J** 1990 Aug; 62(8):1155–6, 1159–64 (43 ref.)

TOXICITY

Regulatory mechanisms of host responsiveness to endotoxin (lipopolysaccharide). Mathison J, et al. **Pathobiology** 1991; 59(3):185–8 (8 ref.)

[The role of cellular and humoral mediator systems in the pathogenesis of shock lung, caused by endotoxins] Bardakhch'ian EA, et al. **Anesteziol Reanimatol** 1990 Sep–Oct;(5):51–4 (93 ref.) **(Rus)**

ENDOWMENTS see **FINANCIAL MANAGEMENT**

ENEMA

5-ASA enema therapy. Hanauer SB. **Neth J Med** 1989 Jun; 35 Suppl 1:S11–20 (48 ref.)

ADVERSE EFFECTS

Recognition and prevention of barium enema complications. Williams SM, et al. **Curr Probl Diagn Radiol** 1991 Jul–Aug; 20(4):123–51 (141 ref.)

Portal venous barium intravasation complicating barium enema examination. Wheatley MJ, et al. **Surgery** 1991 Jun; 109(6):788–91 (12 ref.)

ENERGY EXPENDITURE see **ENERGY METABOLISM**

ENERGY-GENERATING RESOURCES

see related
POWER PLANTS
POWER SOURCES

ENERGY METABOLISM

Diet-induced thermogenesis. An experimental study in healthy and obese individuals. Thörne A. **Acta Chir Scand Suppl** 1990;558:6–59 (145 ref.)

Evaluation of the energy value of rabbit feeds: a critical review. Maertens L, et al. **Acta Vet Hung** 1990;38(3):153–63 (71 ref.)

Energy metabolism and indirect calorimetry in critically ill and injured patients. Bursztein S, et al. **Acute Care** 1988–89; 14–15:91–110 (38 ref.)

Protein motors and Maxwell's demons: does mechanochemical transduction involve a thermal ratchet? Vale RD, et al. **Adv Biophys** 1990;26:97–134 (63 ref.)

Application of metabolic-control logic to fuel utilization and its significance in tumor cells. Newsholme EA, et al. **Adv Enzyme Regul** 1991;31:225–46 (19 ref.)

Brain glucose and energy metabolism during normal aging. Hoyer S. **Aging (Milano)** 1990 Sep;2(3):245–58 (140 ref.)

Hepatic fuel metabolism during muscular work: role and regulation [editorial] Wasserman DH, et al. **Am J Physiol** 1991 Jun;260(6 Pt 1):E811–24 (112 ref.)

Hypothalamic neuropeptide Y in relation to energy balance. Leibowitz SF. **Ann N Y Acad Sci** 1990;611:284–301 (122 ref.)

Human energy metabolism: what have we learned from the doubly labeled water method? Schoeller DA, et al. **Annu Rev Nutr** 1991;11:355–73 (47 ref.)

Defects of the respiratory chain. Bindoff LA, et al. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):583–619 (120 ref.)

In vivo NMR spectroscopy. Allen PS. **Basic Life Sci** 1990; 55:419–26 (24 ref.)

Energy metabolism and fatigue during intense muscle contraction. Hultman E, et al. **Biochem Soc Trans** 1991 Apr;19(2):347–53 (36 ref.)

Control of energetic processes in contracting human skeletal muscle. Sahlin K. **Biochem Soc Trans** 1991 Apr;19(2):353–8 (34 ref.)

The role of sodium ion transport in Escherichia coli energetics. Dibrov PA. **Biochim Biophys Acta** 1991 Feb 8;1056(3):209–24 (156 ref.)

Costs of swimming measured at optimum speed: scale effects, differences between swimming styles, taxonomic groups and submerged and surface swimming. Videler JJ, et al. **Comp Biochem Physiol A** 1990;97(2):91–9 (39 ref.)

Energy requirements in patients with renal failure. Hirschberg RR, et al. **Contrib Nephrol** 1990;81:124–35 (41 ref.)

Contribution of diffusion to the oxygen dependence of energy

metabolism in cells. Wilson DF. **Experientia** 1990 Dec 1; 46(11-12):1160-2 (17 ref.)
Metabolism and energy generation in homoacetogenic clostridia. Hugenholtz J, et al. **FEMS Microbiol Rev** 1990 Dec;7(3-4):383-9 (43 ref.)
The ischymetric control of feeding. Nicolaïdis S, et al. **Int J Obes** 1990;14 Suppl 3:35-49; discussion 50-2 (29 ref.)
Energy requirements of breast-fed infants. Butte NF, et al. **J Am Coll Nutr** 1991 Jun;10(3):190-5 (22 ref.)
Energy cost of absorption and metabolism in the ruminant gastrointestinal tract and liver: a review [published erratum appears in J Anim Sci 1990 Dec;68(12):4445] McBride BW, et al. **J Anim Sci** 1990 Sep;68(9):2997-3010 (84 ref.)
Cellular energy metabolism and regulation. Kelly JM, et al. **J Dairy Sci** 1991 Feb;74(2):678-94 (164 ref.)
Regulation of adipose tissue metabolism in support of lactation. McNamara JP. **J Dairy Sci** 1991 Feb;74(2):706-19 (84 ref.)
A review of field techniques for the assessment of energy expenditure. Schoeller DA, et al. **J Nutr** 1990 Nov;120 Suppl 11:1492-5 (16 ref.)
Energetics and the design principles of the Na/K-ATPase. Stein WD. **J Theor Biol** 1990 Nov 21;147(2):145-59 (23 ref.)
Assessing nutritional needs for the burned patient. Curreri PW. **J Trauma** 1990 Dec;30(12 Suppl):S20-3 (20 ref.)
Factors contributing to increased energy expenditure in thermal injury: a review of studies employing indirect calorimetry. Cunningham JJ. **JPEN J Parenter Enteral Nutr** 1990 Nov-Dec;14(6):649-56 (68 ref.)
Clinical biochemistry: implications for nutritional support. Kinney JM. **JPEN J Parenter Enteral Nutr** 1990 Sep-Oct; 14(5 Suppl):148S-156S (53 ref.)
Competing antagonists to energy production in space and their effect on calcium metabolism. Tanner H. **Med Hypotheses** 1990 Aug;32(4):283-8 (51 ref.)
Energy reactions in atherosclerosis: the implication of tricarboxylates in the pathogenesis of the disease. Tanner HA. **Med Hypotheses** 1991 Jun;35(2):165-71 (41 ref.)
Energy imbalance and cancer of the breast, colon and prostate. Simopoulos AP. **Med Oncol Tumor Pharmacother** 1990;7(2-3):109-20 (55 ref.)
Ammonium metabolism: emphasis on energy considerations. Halperin ML, et al. **Miner Electrolyte Metab** 1990; 16(5):277-82 (33 ref.)
Where's the energy? Variable response to overfeeding. **Nutr Rev** 1991 Feb;49(2):54-6 (14 ref.)
How accurate is self-reported dietary energy intake? Schoeller DA. **Nutr Rev** 1990 Oct;48(10):373-9 (29 ref.)
Significance of cation transport in control of energy metabolism and thermogenesis. Clausen T, et al. **Physiol Rev** 1991 Jul;71(3):733-74 (471 ref.)
Physical activity and energy expenditure in undernutrition. Spurr GB. **Prog Food Nutr Sci** 1990;14(2-3):139-92 (133 ref.)
Coupling of energy to glucose transport by the bacterial phosphotransferase system. Erni B. **Res Microbiol** 1990 Mar-Apr;141(3):360-4 (17 ref.)
Coupling of energy to D-mannitol transport in Escherichia coli. Jacobson GR. **Res Microbiol** 1990 Mar-Apr; 141(3):365-8 (12 ref.)
Evolution of permease diversity and energy-coupling mechanisms: an introduction. Saier MH Jr. **Res Microbiol** 1990 Mar-Apr;141(3):281-6 (8 ref.)
Biochemical mechanisms for oxygen free radical formation during exercise. Sjödin B, et al. **Sports Med** 1990 Oct; 10(4):236-54 (148 ref.)
Dietary intake and metabolic parameters in adult men during extreme work load. Pařízková J, et al. **World Rev Nutr Diet** 1991;65:72-98 (26 ref.)
[Role of amylin in the physiologic and physiopathologic regulation of energy metabolism] Cooper GJ. **Journ Annu Diabetol Hotel Dieu** 1991;:125-39 (69 ref.) **(Fre)**
[Energy expenditure--indirect calorimetry] Adolph M, et al. **Klin Anasthesiol Intensivther** 1990;40:123-52 (56 ref.) **(Ger)**
[Energy yielding metabolism of cyanophytes] Fujita Y. **Tanpakushitsu Kakusan Koso** 1991 Jul;36(9):1584-90 (30 ref.) **(Jpn)**
[Roles of cytochromes and H+ translocation in bacterial respiratory complexes] Sone N. **Tanpakushitsu Kakusan Koso** 1991 Apr;36(5):798-813 (92 ref.) **(Jpn)**
[The rationale for the recommended levels of consumption of energy and basic food substances (mineral substances)] Kon' Iia. **Vopr Pitan** 1990 Nov-Dec;(6):9-16 (33 ref.) **(Rus)**
[Energy metabolism and the direction of evolutionary progress in the class of mammals] Zotin AI, et al. **Zh Obshch Biol** 1990 Nov-Dec;51(6):760-7 (34 ref.) (Eng. Abstr.) **(Rus)**
[Estimation of the degree of metabolism-energy maturity in the premature newborn infant: plasma lipid profile and lipid transport systems] Campoy Folgoso C, et al. **An Esp Pediatr** 1990 Sep;33(3):237-44 (65 ref.) (Eng. Abstr.) **(Spa)**
[The effect of diet on the treatment of malignant diseases] Henriksson R, et al. **Nord Med** 1990;105(11):289-91 (15 ref.) (Eng. Abstr.) **(Swe)**

DRUG EFFECTS

Physiological costs of combating chemical toxicants: ecological implications. Calow P. **Comp Biochem Physiol [C]** 1991;100(1-2):3-6 (37 ref.)
Role of physiological energetics in ecotoxicology. Widdows J, et al. **Comp Biochem Physiol [C]** 1991;100(1-2):69-75 (41 ref.)
Interrelationships between exogenous porcine somatotropin (PST) administration and dietary protein and energy intake on protein deposition capacity and energy metabolism of pigs. Campbell RG, et al. **J Anim Sci** 1991 Apr; 69(4):1522-31 (31 ref.)
Protein and energy requirements of animals treated with beta-adrenergic agonists: a discussion. Reeds PJ, et al. **J Anim Sci** 1991 Apr;69(4):1532-50 (99 ref.)
Central effects of CRF on metabolism and energy balance. Rothwell NJ. **Neurosci Biobehav Rev** 1990 Fall; 14(3):263-71 (122 ref.)
Glucocorticoids, hippocampal damage and the glutamatergic synapse. Sapolsky RM. **Prog Brain Res** 1990;86:13-23 (81 ref.)

PHYSIOLOGY

Sight and insight: regional cerebral metabolic activity in schizophrenia visualised by positron emission tomography, and competing neurodevelopmental perspectives [see comments] Waddington JL. **Br J Psychiatry** 1990 May; 156:615-9 (48 ref.) Comment in: Br J Psychiatry 1990 Nov;157:784-5.
Positron emission tomography in the study of brain metabolism in psychiatric and neuropsychiatric disorders. Bench CJ, et al. **Br J Psychiatry Suppl** 1990;(9):82-95 (85 ref.)
The use and applications of single-photon emission computerised tomography in dementia. Geaney DP, et al. **Br J Psychiatry Suppl** 1990;(9):66-75 (80 ref.)
Psychiatry and the new magnetic resonance era. Lock T, et al. **Br J Psychiatry Suppl** 1990;(9):38-55 (71 ref.)
Brains, bodies and metabolism. Armstrong E. **Brain Behav Evol** 1990;36(2-3):166-76 (82 ref.)
Insulin resistance, energy balance and sympathetic nervous system activity. Landsberg L. **Clin Exp Hypertens [A]** 1990; 12(5):817-30 (49 ref.)
Cardiovascular nuclear magnetic resonance imaging and spectroscopy. Rehr RB. **Curr Probl Cardiol** 1991 Mar; 16(3):125-215 (200 ref.)
Carnitine and coenzyme Q10: biochemical properties and functions, synergism and complementary action. Bertelli A, et al. **Int J Tissue React** 1990;12(3):183-6 (10 ref.)
Mechanics and energetics in running with special reference to efficiency. Kaneko M. **J Biomech** 1990;23 Suppl 1:57-63 (52 ref.)
Nutritional therapy with regard to weight reduction in diabetes and hypertension. Dodson PM, et al. **J Diabetic Complications** 1990 Apr-Jun;4(2):91-3 (11 ref.)
PET: its clinical role in neurology [editorial] Brooks D. **J Neurol Neurosurg Psychiatry** 1991 Jan;54(1):1-5 (63 ref.)
A review of energy metabolism in producing ruminants. Part 1: Metabolism of energy substrates. van der Walt JG, et al. **J S Afr Vet Assoc** 1989 Dec;60(4):223-7 (108 ref.)
A review of energy metabolism in producing ruminants. 2. Control of nutrient partitioning. Van der Walt JG, et al. **J S Afr Vet Assoc** 1990 Jun;61(2):78-80 (58 ref.)
Influence of energy levels and trace metals on health and life span. Good RA, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep-Oct;14(5 Suppl):230S-236S (88 ref.)
Central and peripheral control of sympathoadrenal activity and energy metabolism in rats. Scheurink AJ, et al. **Physiol Behav** 1990 Dec;48(6):909-20 (102 ref.)
Play and energy regulation in mammals. Barber N. **Q Rev Biol** 1991 Jun;66(2):129-47 (168 ref.)
Physiological effects of exercising with handweights. Auble TE, et al. **Sports Med** 1991 Apr;11(4):244-56 (40 ref.)
The impact of exercise and diet restriction on daily energy expenditure. Poehlman ET, et al. **Sports Med** 1991 Feb; 11(2):78-101 (95 ref.)
Bias in estimating caloric expenditure from physical activity in children. Implications for epidemiological studies. Sallis JF, et al. **Sports Med** 1991 Apr;11(4):203-9 (45 ref.)
Principles, problems and a paradox with the measurement of energy expenditure of free-living subjects using doubly-labelled water. Speakman JR. **Stat Med** 1990 Nov; 9(11):1365-80 (30 ref.)
[Regulation of energy equilibrium in men. Physiologic adaptations and pathologic disorders] Jéquier E. **Ann Endocrinol (Paris)** 1990;51(3-4):123-5 (22 ref.) **(Fre)**
[Effect of the coronary microvascular system on adenine nucleotide metabolism and subsequent functions of the heart] Nees S, et al. **Internist (Berl)** 1990 Oct;31(10):617-24 (36 ref.) **(Ger)**
[Nutrition of the intensive care patient] Gregor M. **Z Gastroenterol Verh** 1991 Mar;26:35-8 (39 ref.) **(Ger)**
[Experimental and clinical possibilities of MR spectroscopy of the heart] Neubauer S, et al. **Z Kardiol** 1991 Jan; 80(1):25-36 (62 ref.) (Eng. Abstr.) **(Ger)**
[The current status of experimental heart infarct research] Schaper W. **Z Kardiol** 1990 Dec;79(12):811-8 (34 ref.) **(Ger)**
[Proton potential on the inner mitochondrial membrane and its role in mitochondrial processes] Zólkiewska A. **Postepy Biochem** 1989;35(4):427-35 (60 ref.) **(Pol)**
[Energy metabolism during hibernation in representatives of different phylogenetic groups] Emirbekov EZ, et al. **Usp Fiziol Nauk** 1991 Jan-Feb;22(1):97-111 (74 ref.) **(Rus)**
[The rationale for new physiological standards of food and energy consumption for infants] Fateeva EM, et al. **Vopr Pitan** 1990 Nov-Dec;(6):21-5 (24 ref.) **(Rus)**

ENGELMANN'S DISEASE see **DIAPHYSEAL DYSPLASIA, PROGRESSIVE**

ENGINEERING PSYCHOLOGY see **HUMAN ENGINEERING**

ENHANCER ELEMENTS (GENETICS)

Allosteric mechanism of enhancer action? Studitsky VM. **FEBS Lett** 1991 Mar 11;280(1):5-7 (20 ref.)

GENETICS

Transcriptional enhancers can act in trans. Müller HP, et al. **Trends Genet** 1990 Sep;6(9):300-4 (48 ref.)
[Enhancers, DNA loops and stable complexes: a mechanism of transcription activation] Studitskiĭ VM, et al. **Mol Biol (Mosk)** 1990 Jul-Aug;24(4):909-19 (70 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Transcriptional regulation of hepatic angiotensinogen gene expression by the acute-phase response. Ron D, et al. **Mol Cell Endocrinol** 1990 Dec 21;74(3):C97-104 (34 ref.)

ENKEPHALIN DIPEPTIDYL CARBOXYPEPTIDASE see **MEMBRANE METALLO-ENDOPEPTIDASE**

ENKEPHALIN, METHIONINE

IMMUNOLOGY

Opioid peptides, receptors, and immune function. Bhargava HN. **NIDA Res Monogr** 1990;96:220-33 (65 ref.)

METABOLISM

Endocrine control of hypothalamic and pituitary met-enkephalin and beta-endorphin contents. Tang F. **Neuroendocrinology** 1991;53 Suppl 1:68-76 (46 ref.)

ENKEPHALIN RECEPTORS see **RECEPTORS, ENDORPHIN**

ENKEPHALINASE see **MEMBRANE METALLO-ENDOPEPTIDASE**

ENKEPHALINS

GENETICS

Prodynorphin gene expression in neuronal and endocrine cell types. Douglass J. **NIDA Res Monogr** 1991;105:109-15 (24 ref.)
Synaptic regulation of the enkephalin gene and transcription factors in vivo: possible roles in drug abuse. Uhl GR, et al. **NIDA Res Monogr** 1991;105:123-9 (19 ref.)

PHYSIOLOGY

Enkephalin influences on behavioral and neural plasticity: mechanisms of action. Martinez JL Jr, et al. **NIDA Res Monogr** 1990;97:48-78 (130 ref.)

ENOLASE see **PHOSPHOPYRUVATE HYDRATASE**

ENOLASE ISOENZYMES see **PHOSPHOPYRUVATE HYDRATASE**

ENOLASE ISOZYMES see **PHOSPHOPYRUVATE HYDRATASE**

ENOXAPARIN see **HEPARIN, LOW MOLECULAR WEIGHT**

ENOYL COA REDUCTASES see **FATTY ACID DESATURASES**

ENRICHED FOOD see **FOOD, FORTIFIED**

ENTAMOEBIASIS, HEPATIC see **LIVER ABSCESS, AMEBIC**

ENTERAL FEEDING

see related
FOOD, FORMULATED
Parenteral and enteral nutrition. Shizgal HM. **Annu Rev Med** 1991;42:549-65 (58 ref.)
Home enteral nutrition in paediatric practice. Puntis JW, et al. **Br J Hosp Med** 1991 Feb;45(2):104-7 (23 ref.)
The ethics of forced feeding in anorexia nervosa [see comments] Hébert PC, et al. **Can Med Assoc J** 1991 Jan 15;144(2):141-4 (38 ref.) Comment in: Can Med Assoc J 1991 May 15;144(10):1205-8.

Carbonated beverages as irrigants for feeding tubes. Nicolau DP, et al. **DICP** 1990 Sep;24(9):840 (8 ref.)
Factors affecting ability to resume oral nutrition in the oropharyngeal dysphagic individual. Logemann JA. **Dysphagia** 1990;4(4):202–8 (24 ref.)
Clinical trials of nutritional support in cancer. Parenteral and enteral therapy. Lipman TO. **Hematol Oncol Clin North Am** 1991 Feb;5(1):91–102 (49 ref.)
Is a decision to forgo tube feeding for another a decision to kill? Brodeur D. **Issues Law Med** 1991 Spring; 6(4):395–406 (19 ref.)
Alternative lipid sources for enteral and parenteral nutrition: long- and medium-chain triglycerides, structured triglycerides, and fish oils. Bell SJ, et al. **J Am Diet Assoc** 1991 Jan;91(1):74–8 (24 ref.)
Dietary fiber and bowel function in tube-fed patients. Frankenfield DC, et al. **J Am Diet Assoc** 1991 May; 91(5):590–6, 599 (86 ref.)
Potential of parenteral and enteral nutrition in inflammation and immune dysfunction: a new challenge for dietitians [published erratum appears in J Am Diet Assoc 1991 Aug;91(8):913] Haw MP, et al. **J Am Diet Assoc** 1991 Jun; 91(6):701–6, 709 (78 ref.)
Decisionmaking regarding the initiation of tube feedings in the severely demented elderly: a review. Meyers RM, et al. **J Am Geriatr Soc** 1991 May;39(5):526–31 (25 ref.)
Solutions to diarrhea. Bracciale D. **J Burn Care Rehabil** 1991 May–Jun;12(3):278–81 (16 ref.)
Nutrient substrates. Making choices in the 1990s. Paxton J, et al. **J Burn Care Rehabil** 1991 Mar–Apr;12(2):198–202 (43 ref.)
The route of feeding influences injury responses. Lowry SF. **J Trauma** 1990 Dec;30(12 Suppl):S10–5 (35 ref.)
Postoperative artificial nutrition support of the urological patient. Moskovitz B, et al. **J Urol** 1991 Jun;145(6):1125–33 (120 ref.)
Nutritional and metabolic support of critically ill patients. Bower RH. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct; 14(5 Suppl):257S–259S (24 ref.)
Perioperative nutritional support. Buzby GP. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):197S–199S (7 ref.)
The competitive marketplace for research funding. Kopple JD. **JPEN J Parenter Enteral Nutr** 1991 Jul–Aug; 15(4):363–70 (22 ref.)
Guidelines for the scientific review of enteral food products for special medical purposes. Prepared for the Center for Food Safety and Applied Nutrition, Food and Drug Administration. Talbot JM. **JPEN J Parenter Enteral Nutr** 1991 May–Jun;15(3 Suppl):99S–174S, A1–E2 (346 ref.)
Novel substrates and nutritional support: possible role of ornithine alpha-ketoglutarate. Silk DB, et al. **Proc Nutr Soc** 1990 Oct;49(3):381–7 (49 ref.)
Enteral nutrition and infection in the intensive care unit. Pingleton SK. **Semin Respir Infect** 1990 Sep;5(3):185–90 (31 ref.)
Nutrition and metabolism in sepsis and multisystem organ failure. Baue AE. **Surg Clin North Am** 1991 Jun; 71(3):549–65 (61 ref.)
Nutritional support in renal failure. Compher C, et al. **Surg Clin North Am** 1991 Jun;71(3):597–608 (81 ref.)
Nutritional support of patients with cancer of the gastrointestinal tract. Daly JM, et al. **Surg Clin North Am** 1991 Jun;71(3):523–36 (58 ref.)
Amino acids in surgical nutrition. Principles and practice. Dudrick PS, et al. **Surg Clin North Am** 1991 Jun; 71(3):459–76 (63 ref.)
Management of the short-bowel syndrome. Dudrick SJ, et al. **Surg Clin North Am** 1991 Jun;71(3):625–43 (105 ref.)
Nutritional management of inflammatory bowel disease. Dudrick SJ, et al. **Surg Clin North Am** 1991 Jun; 71(3):609–23 (79 ref.)
Perioperative nutritional support. Ellis LM, et al. **Surg Clin North Am** 1991 Jun;71(3):493–507 (57 ref.)
Nutritional support of patients with AIDS. Hickey MS. **Surg Clin North Am** 1991 Jun;71(3):645–64 (130 ref.)
Nutritional support in liver failure. Latifi R, et al. **Surg Clin North Am** 1991 Jun;71(3):567–78 (48 ref.)
Nutritional management of acute and chronic pancreatitis. Latifi R, et al. **Surg Clin North Am** 1991 Jun;71(3):579–95 (90 ref.)
Nutritional consequences of major gastrointestinal surgery. Patient outcome and starvation. Shikora SA, et al. **Surg Clin North Am** 1991 Jun;71(3):509–21 (54 ref.)
Nutritional assessment and indications for nutritional support. Smith LC, et al. **Surg Clin North Am** 1991 Jun;71(3):449–57 (26 ref.)
Nutritional support in the injured patient. Van Way CW 3d. **Surg Clin North Am** 1991 Jun;71(3):537–48 (37 ref.)
[Limitations and possibilities of enteral nutrition at an intensive care unit] Gassull Duro MA. **Nutr Hosp** 1990 May–Jun;5(3):147–52 (39 ref.) (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Pneumothorax complicating small-bore feeding tube placement. Wendell GD, et al. **Arch Intern Med** 1991 Mar; 151(3):599–602 (16 ref.)
[Direct re-instillation through endotracheal intubation tubes during enteral nutrition for short bowel syndrome] Desport JC, et al. **Ann Fr Anesth Reanim** 1991;10(2):161–3 (10 ref.) (Eng. Abstr.) **(Fre)**

METHODS

Nutritional management of hepatic failure. Mizock BA. **Acute Care** 1988–89;14–15:71–90 (121 ref.)
Safe and effective tube feeding of bedridden elderly. Henderson CT. **Geriatrics** 1991 Aug;46(8):56–8, 63–6 (21 ref.)
Enteral alimentation: administration and complications. Benya R, et al. **J Am Coll Nutr** 1991 Jun;10(3):209–19 (92 ref.)
[Enteral feeding in oncology] Richter G, et al. **Infusionstherapie** 1990 Dec;17(6):291–9 (70 ref.) (Eng. Abstr.) **(Ger)**
[Nutrition of the intensive care patient] Gregor M. **Z Gastroenterol Verh** 1991 Mar;26:35–8 (39 ref.) **(Ger)**
[Medico-biological aspects of the preparation and use of the products for enteral feeding] Vysotskii VG. **Vopr Pitan** 1990 Jul–Aug;(4):11–8 (53 ref.) **(Rus)**

NURSING

Troubleshooting your tube feedings. Bockus S. **Am J Nurs** 1991 May;91(5):24–8 (23 ref.)
Feeding strategies for the dysphagic patient: a nursing perspective. Layne KA. **Dysphagia** 1990;5(2):84–8 (10 ref.)

TRENDS

Enteral tube feeding: a clinical perspective on recent advances. Mobarhan S, et al. **Nutr Rev** 1991 May; 49(5):129–40 (69 ref.)

ENTERAL HYPERALIMENTATION see **ENTERAL FEEDING**

ENTERAL NUTRITION see **ENTERAL FEEDING**

ENTERIC FEVER see **TYPHOID**

ENTERIC HORMONES see **GASTROINTESTINAL HORMONES**

ENTERITIS

The pigbel story of Papua New Guinea. Murrell TG, et al. **Trans R Soc Trop Med Hyg** 1991 Jan–Feb;85(1):119–22 (31 ref.)

DIAGNOSIS

[Value of microbiologic studies for diagnosis of post-enteritis reactive arthritis] Müller KD. **Z Rheumatol** 1990 Nov–Dec; 49(6):364–8 (27 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

Epidemiology of Campylobacter enteritis. Skirrow MB. **Int J Food Microbiol** 1991 Jan;12(1):9–16 (39 ref.)

ETIOLOGY

Veterinary sources of foodborne illness. Johnston AM. **Lancet** 1990 Oct 6;336(8719):856–8 (15 ref.)

IMMUNOLOGY

[Mechanisms of T-cell-mediated hypersensitivity in mice infected with the intestinal helminth Trichinella spiralis] Parmentier HK, et al. **Tijdschr Diergeneeskd** 1990 Dec 1; 115(23):1085–91 (35 ref.) (Eng. Abstr.) **(Dut)**
[Immunological aspects of Giardia intestinalis infection] Szczepański M, et al. **Wiad Lek** 1990 Jun 15;43(12):590–6 (38 ref.) (Eng. Abstr.) **(Pol)**

MICROBIOLOGY

Re-examination of Rattus norvegicus as an animal model for Aeromonas-associated enteritis in man. Haberberger RL Jr, et al. **Experientia** 1991 May 15;47(5):426–9 (13 ref.)
Sources and survival of campylobacters: relevance to enteritis and the food industry. Park RW, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:97S–106S (82 ref.)
[Advantages of rooming-in care of mother and child in the control of enteric epidemics in neonatal departments] Adám B, et al. **Orv Hetil** 1991 Jan 13;132(2):69–72 (21 ref.) (Eng. Abstr.) **(Hun)**

PREVENTION & CONTROL

New vaccines against bacterial enteric infections. Holmgren J, et al. **Scand J Infect Dis Suppl** 1990;70:149–56 (23 ref.)

ENTERITIS, GRANULOMATOUS see **CROHN DISEASE**

ENTERITIS, PSEUDOMEMBRANOUS see **ENTEROCOLITIS, PSEUDOMEMBRANOUS**

ENTERITIS, REGIONAL see **CROHN DISEASE**

ENTEROBACTERIACEAE

CLASSIFICATION

Ribosomal RNA phylogenies for the vibrio-enteric group of eubacteria. MacDonell MT, et al. **Microbiol Sci** 1986 Jun;3(6):172–5, 178 (25 ref.)

DRUG EFFECTS

Antimicrobial activity and spectrum of ceftibuten (7432-S, SCH 39720)—a review of United States and Canadian results. Jones RN. **Diagn Microbiol Infect Dis** 1991 Jan–Feb;14(1):37–43 (24 ref.)
Impact of antimicrobial agents on human intestinal microflora. Nord CE, et al. **J Chemother** 1990 Aug; 2(4):218–37 (70 ref.)
Resistance to aminoglycosides: the situation in the Federal Republic of Germany. Naber KG, et al. **J Int Med Res** 1990;18 Suppl 4:6D–26D (20 ref.)
[Epidemiologic aspects of enzymatic inactivation of aminoglycoside antibiotics] Taisova AS. **Antibiot Khimioter** 1990 Jul;35(7):52–6 (50 ref.) **(Rus)**

ENZYMOLOGY

Evolution of enzymatic mechanisms of resistance among beta-lactam antibiotics. Gutmann L, et al. **J Int Med Res** 1990;18 Suppl 4:37D–47D (33 ref.)

GENETICS

Switches in species-specific codon preferences: the influence of mutation biases. Shields DC. **J Mol Evol** 1990 Aug; 31(2):71–80 (31 ref.)
Bacterial defenses against oxidative stress. Storz G, et al. **Trends Genet** 1990 Nov;6(11):363–8 (36 ref.)

METABOLISM

The shikimate pathway—a metabolic tree with many branches. Bentley R. **Crit Rev Biochem Mol Biol** 1990; 25(5):307–84 (568 ref.)
PQQ-linked enzymes in enteric bacteria. Neijssel OM. **Microbiol Sci** 1987 Mar;4(3):87–90 (16 ref.)
Physiological roles of the DnaK and GroE stress proteins: catalysts of protein folding or macromolecular sponges? LaRossa RA, et al. **Mol Microbiol** 1991 Mar;5(3):529–34 (36 ref.)
[Transport of six-atom alcohols by enterobacteria] Bol'shakova TN, et al. **Mol Gen Mikrobiol Virusol** 1991 Jan;(1):10–6 (57 ref.) (Eng. Abstr.) **(Rus)**
[Specific systems of phosphoenolpyruvate-dependent transport of carbohydrates in enterobacteria] Bol'shakova TN, et al. **Mol Gen Mikrobiol Virusol** 1991 Feb;(2):3–9 (50 ref.) (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Effects of aquatic environmental stress on enteric bacterial pathogens. McFeters GA, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:115S–120S (29 ref.)
[Bacterial enterotoxins: structure, mode of action] Lucas F, et al. **Ann Rech Vet** 1991;22(2):147–62 (64 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

The effects of undigestible fructooligosaccharides on intestinal microflora and various physiological functions on human health. Hidaka H, et al. **Adv Exp Med Biol** 1990; 270:105–17 (12 ref.)

ULTRASTRUCTURE

[Structure and function of the outer membrane of Gram-negative bacteria] Romanowska A. **Postepy Hig Med Dosw** 1990;44(1–3):63–83 (95 ref.) **(Pol)**

ENTEROBACTERIACEAE INFECTIONS

Life-threatening peripharyngeal sepsis with mediastinitis. Baker AR, et al. **Br J Clin Pract** 1990 Dec;44(12):640–1 (9 ref.)

DRUG THERAPY

Use of quinolones in the treatment of gastrointestinal infections. DuPont HL. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):325–9 (46 ref.)
[Cefixime in urinary tract infections. (Specific studies and literature review)] Naber KG. **Infection** 1990;18 Suppl 3:S132–9 (34 ref.) (Eng. Abstr.) **(Ger)**
[Epidemiologic aspects of enzymatic inactivation of aminoglycoside antibiotics] Taisova AS. **Antibiot Khimioter** 1990 Jul;35(7):52–6 (50 ref.) **(Rus)**

ETIOLOGY

[Bacterial enterotoxins: structure, mode of action] Lucas F, et al. **Ann Rech Vet** 1991;22(2):147–62 (64 ref.) (Eng. Abstr.) **(Fre)**
[Malnutrition and septic complications in cancer of the colon] Nowicki A, et al. **Wiad Lek** 1990 Sep 1–15; 43(17–18):879–83 (25 ref.) (Eng. Abstr.) **(Pol)**

PREVENTION & CONTROL

New vaccines against bacterial enteric infections. Holmgren J, et al. **Scand J Infect Dis Suppl** 1990;70:149–56 (23 ref.)

VETERINARY

Theory, use, and realities of efficacy and food safety of

antimicrobial treatment of acute coliform mastitis. Erskine RJ, et al. **J Am Vet Med Assoc** 1991 Mar 15;198(6):980–4 (66 ref.)

ENTEROBIASIS see **OXYURIASIS**

ENTEROBIUS

ISOLATION & PURIFICATION

Enterobius egg granuloma of the vulva and peritoneum: review of the literature. Sun T, et al. **Am J Trop Med Hyg** 1991 Aug;45(2):249–53 (27 ref.)

ENTEROCELE see **HERNIA**

ENTEROCHROMAFFIN CELLS

DRUG EFFECTS

Omeprazole. Gastrin and gastric endocrine cell data from clinical studies. Berlin RG. **Dig Dis Sci** 1991 Feb; 36(2):129–36 (73 ref.)

Gastrin and gastric enterochromaffin-like cell carcinoids in the rat. Carlsson E, et al. **Digestion** 1990;47 Suppl 1:17–23; discussion 49–52 (16 ref.)

Trophic effect of histamine on the stomach. Waldum HL, et al. **Scand J Gastroenterol Suppl** 1991;180:137–42 (38 ref.)

TRANSPLANTATION

Grafts and growth factors in CNS. Basic science with clinical promise. Olson L. **Stereotact Funct Neurosurg** 1990; 54–55:250–67 (51 ref.)

ENTEROCOLITIS, NECROTIZING see **ENTEROCOLITIS, PSEUDOMEMBRANOUS**

ENTEROCOLITIS, PSEUDOMEMBRANOUS

Neonatal necrotising enterocolitis. An update. Hoy CM, et al. **Dig Dis** 1990;8(5):305–12 (83 ref.)

CHEMICALLY INDUCED

Lincocinamides and the incidence of antibiotic-associated colitis. Jaimes EC. **Clin Ther** 1991 Mar–Apr;13(2):270–80 (63 ref.)

COMPLICATIONS

Enteric fistula formation secondary to necrotizing enterocolitis. Levin TL, et al. **Pediatr Radiol** 1991; 21(4):309–11 (7 ref.)

DRUG THERAPY

[Pseudomembranous colitis: a clinical analysis and review of literatures] Chuah SK, et al. **Chang Keng I Hsueh** 1991 Jun;14(2):95–100 (33 ref.) (Eng. Abstr.) **(Chi)**

ETIOLOGY

Necrotizing enterocolitis. Part I. Pathogenesis and diagnosis. Rushton CH. **MCN** 1990 Sep–Oct;15(5):296–300 (32 ref.)

MICROBIOLOGY

12th C. L. Oakley lecture. Pathogenesis of Clostridium difficile infection of the gut. Borriello SP. **J Med Microbiol** 1990 Dec;33(4):207–15 (53 ref.)

NURSING

Necrotizing enterocolitis. Part II. Treatment and nursing care [published erratum appears in MCN Am J Matern Child Nurs 1991 Jan–Feb;16(1):51] [see comments] Rushton CH. **MCN Am J Matern Child Nurs** 1990 Sep–Oct;15(5):309–13 (18 ref.) Comment in: MCN Am J Matern Child Nurs 1991 Mar–Apr;16(2):75.

PREVENTION & CONTROL

Prophylaxis of necrotizing enterocolitis by oral IgA–IgG: review of a clinical study in low birth weight infants and discussion of the pathogenic role of infection. Eibl MM, et al. **J Clin Immunol** 1990 Nov;10(6 Suppl):72S–77S; discussion 77S–79S (46 ref.)

SURGERY

Role of surgery in antibiotic-induced pseudomembranous enterocolitis. Morris JB, et al. **Am J Surg** 1990 Nov; 160(5):535–9 (43 ref.)

[Necrotizing enterocolitis from the viewpoint of the pediatric surgeon--therapeutic considerations] Schweizer P. **Z Kinderchir** 1990 Oct;45(5):273–7 (5 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

[Prevention and treatment of necrotizing enterocolitis in the newborn infant from the pediatric point of view] Pohlandt F. **Z Kinderchir** 1990 Oct;45(5):267–72 (52 ref.) (Eng. Abstr.) **(Ger)**

[Pseudomembranous colitis] Pawlowski W, et al. **Pol Tyg Lek** 1990 Dec 3–10;45(49–50):1021–3 (20 ref.) **(Pol)**

VETERINARY

Diagnostic procedures for isolation and characterization of Clostridium difficile associated with enterocolitis in foals. Jones RL. **J Vet Diagn Invest** 1989 Jan;1(1):84–6 (26 ref.)

ENTEROHEPATIC CIRCULATION

Factors affecting the enterohepatic circulation of oral contraceptive steroids. Orme ML, et al. **Am J Obstet Gynecol** 1990 Dec;163(6 Pt 2):2146–52 (51 ref.)

ENTEROPATHY, EXUDATIVE see **PROTEIN-LOSING ENTEROPATHIES**

ENTEROSTOMY

METHODS

[Report: continent urinary diversion, status of the question] van Velthoven R. **Acta Urol Belg** 1991;59(2):107–34 (46 ref.) **(Fre)**

ENTEROTOXINS

see related
STAPHYLOCOCCAL FOOD POISONING

Expanding perspectives on the toxic shock syndrome. Freedman JD, et al. **Adv Intern Med** 1991;36:363–97 (151 ref.)

Review of Aeromonas enterotoxins. Houston CW, et al. **Experientia** 1991 May 15;47(5):424–6 (22 ref.)

ANALYSIS

[Current methods of staphylococcal enterotoxin detection in food products] Domaradskaia TI. **Vopr Pitan** 1991 Jan–Feb; (1):7–12 (75 ref.) **(Rus)**

CHEMISTRY

[Bacterial enterotoxins: structure, mode of action] Lucas F, et al. **Ann Rech Vet** 1991;22(2):147–62 (64 ref.) (Eng. Abstr.) **(Fre)**

[The enterotoxins of enterotoxigenic Escherichia coli: their characteristics, mechanism of action and genetic control] Petrovskaia VG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Jul;(7):92–8 (53 ref.) **(Rus)**

IMMUNOLOGY

Mitogenic toxins as MHC class II-dependent probes for T cell antigen receptors. Fleischer B, et al. **Behring Inst Mitt** 1991 Feb;(88):170–6 (17 ref.)

Staphylococcal enterotoxins and the immune system. Wood AC, et al. **FEMS Microbiol Immunol** 1991 Jun;3(3):121–33 (134 ref.)

Staphylococcal–enterotoxin–dependent cell–mediated cytotoxicity. Dohlsten M, et al. **Immunol Today** 1991 May; 12(5):147–50 (42 ref.)

Superantigens: interaction of staphylococcal enterotoxins with MHC class II molecules. Rich RR, et al. **Trans Am Clin Climatol Assoc** 1989;101:195–204; discussion 204–6 (18 ref.)

ISOLATION & PURIFICATION

Shiga toxin: purification, structure, and function. Donohue-Rolfe A, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S293–7 (43 ref.)

METABOLISM

[The receptors for bacterial enterotoxins] Lucas F, et al. **Ann Rech Vet** 1991;22(2):127–45 (50 ref.) (Eng. Abstr.) **(Fre)**

TOXICITY

Shiga toxin: intestinal cell receptors and pathophysiology of enterotoxic effects. Keusch GT, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S304–10 (26 ref.)

[The structures and functions of enterotoxins from Escherichia coli] Hirayama T. **Nippon Rinsho** 1991 Jun; 49(6):1427–35 (17 ref.) **(Jpn)**

ENTEROVIRUS INFECTIONS

DIAGNOSIS

Nucleic acid detection systems for enteroviruses. Rotbart HA. **Clin Microbiol Rev** 1991 Apr;4(2):156–68 (115 ref.)

New methods of rapid enteroviral diagnosis. Rotbart HA. **Prog Med Virol** 1991;38:96–108 (72 ref.)

ETIOLOGY

Parallel mechanisms in neuropathogenesis of enteric virus infections. Morrison LA, et al. **J Virol** 1991 Jun; 65(6):2767–72 (64 ref.)

IMMUNOLOGY

Immune regulation by tolerization in EAE and in Theiler's murine encephalomyelitis virus (TMEV) infection (1). Da Canto MC, et al. **Acta Neurol (Napoli)** 1991 Apr; 13(2):107–112 (19 ref.)

PATHOLOGY

Toward understanding the pathogenesis of enterovirus-induced cardiomyopathy: molecular and ultrastructural approaches. Hofschneider PH, et al. **J Struct Biol** 1990 Jul–Sep;104(1–3):32–7 (35 ref.)

ENTEROVIRUSES

ISOLATION & PURIFICATION

Presence of enteric viruses in freshwater and their removal by the conventional drinking water treatment process. Hurst CJ. **Bull World Health Organ** 1991;69(1):113–9 (32 ref.)

Nucleic acid detection systems for enteroviruses. Rotbart HA. **Clin Microbiol Rev** 1991 Apr;4(2):156–68 (115 ref.)

ENTOMOLOGY

TRENDS

[Recent achievements and perspectives in medical entomology and vector control] Mouchet J, et al. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:107–11 (12 ref.) (Eng. Abstr.) **(Fre)**

[The status of and prospects for the development of forensic entomology] Marchenko MI. **Sud Med Ekspert** 1990 Jul–Sep;33(3):39–42 (45 ref.) **(Rus)**

ENTRAPMENT NEUROPATHY see **NERVE COMPRESSION SYNDROMES**

ENUCLEATION, EYE see **EYE ENUCLEATION**

ENURESIS

Enuresis (bed wetting) [published erratum appears in J Indian Med Assoc 1991 Mar;89(3):82] Sharma A. **J Indian Med Assoc** 1991 Jan;89(1):21–2 (0 ref.)

Enuresis: the difference between night and day. Hurley RM. **Pediatr Rev** 1990 Dec;12(6):167–70 (5 ref.)

[Nocturnal enuresis] Monn E. **Tidsskr Nor Laegeforen** 1991 Apr 10;111(9):1080–1 (9 ref.) **(Nor)**

[Enuresis] Lima SV. **AMB Rev Assoc Med Bras** 1990 Jan–Mar;36(1):41–4 (10 ref.) **(Por)**

DRUG THERAPY

Desmopressin for diabetes insipidus, hemostatic disorders and enuresis. Shulman LH, et al. **Am Fam Physician** 1990 Oct; 42(4):1051–7 (12 ref.)

[Non-analgesic effects of opioids] Eledjam JJ, et al. **Cah Anesthesiol** 1991;39(2):111–4 (41 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

The bed-wetting child. Current management of a frustrating problem. Rosenfeld J, et al. **Postgrad Med** 1991 Feb 1; 89(2):63–5, 69–70 (4 ref.)

THERAPY

Primary nocturnal enuresis: current concepts about an old problem. Warady BA, et al. **Pediatr Ann** 1991 May; 20(5):246–51, 254–5 (20 ref.)

ENV GENE PRODUCTS see **GENE PRODUCTS, ENV**

ENV POLYPROTEINS see **GENE PRODUCTS, ENV**

ENV PROTEIN see **GENE PRODUCTS, ENV**

ENV PROTEIN GP41, HIV see **HIV ENVELOPE PROTEIN GP41**

ENV PROTEIN GP120, HIV see **HIV ENVELOPE PROTEIN GP120**

ENVELOPE GLYCOPROTEIN GP120, HIV see **HIV ENVELOPE PROTEIN GP120**

ENVELOPE PROTEIN GP41, HIV see **HIV ENVELOPE PROTEIN GP41**

ENVELOPE PROTEINS, VIRAL see **VIRAL ENVELOPE PROTEINS**

ENVIRONMENT

see related
SOCIAL ENVIRONMENT

Perspectives in aquatic toxicology. Malins DC, et al. **Annu Rev Pharmacol Toxicol** 1991;31:371–99 (167 ref.)

Flare factors and atopic dermatitis: the role of allergy. Dahl MV. **J Dermatol Sci** 1990 Sep;1(5):311–8 (64 ref.)

Identifying and responding to drug abuse in the workplace: an overview. Seymour RB, et al. **J Psychoactive Drugs** 1990 Oct–Dec;22(4):383–405 (32 ref.)

Is environmental carcinogenesis modulated by host polymorphism? Idle JR. **Mutat Res** 1991 Apr;247(2):259–66 (57 ref.)

[The problem of human functional states from the position of the dialectical unity of the waveform processes of the brain, body and environment] Iliukhina VA. **Fiziol Zh SSSR** 1990 Dec;76(12):1720–9 (33 ref.) **(Rus)**

[The consequences of the destruction of the ozone layer for the biosphere] Belousov VV. **Izv Akad Nauk SSSR [Biol]** 1991 Mar–Apr;(2):242–54 (82 ref.) **(Rus)**

[The formation of early species-specific behavior. The role of environmental factors] Khaiutin SN, et al. **Usp Fiziol Nauk** 1990 Oct–Dec;21(4):23–49 (181 ref.) **(Rus)**

ENVIRONMENT, CONTROLLED

see related
ATMOSPHERE EXPOSURE CHAMBERS INCUBATORS

Designer microenvironments for the analysis of cell and tissue function. Stoker AW, et al. **Curr Opin Cell Biol** 1990 Oct; 2(5):864–74 (29 ref.)

Controlled marine ecosystems in the investigation of oil biodegradation at sea. Bertrand JC. **Microbiol Sci** 1986 Jul; 3(7):197–200 (31 ref.)

ENVIRONMENT DESIGN

Accidents to children: the doctor's role. Education or environmental change? Sibert JR. **Arch Dis Child** 1991 Jul; 66(7):890–3 (41 ref.)

ENVIRONMENTAL AIR POLLUTANTS see **AIR POLLUTANTS, ENVIRONMENTAL**

ENVIRONMENTAL EXPOSURE

see related
AIR POLLUTANTS, ENVIRONMENTAL
ENVIRONMENTAL MONITORING

Monitoring human exposure to environmental carcinogens. Santella RM, et al. **Adv Exp Med Biol** 1991;283:165–81 (94 ref.)

Occupational and environmental exposures to radon: cancer risks. Axelson O. **Annu Rev Public Health** 1991;12:235–55 (109 ref.)

The health effects of low level exposure to lead. Needleman HL, et al. **Annu Rev Public Health** 1991;12:111–40 (110 ref.)

Systemic sclerosis associated with cutaneous exposure to solvent: case report and review of the literature. Brasington RD Jr, et al. **Arthritis Rheum** 1991 May;34(5):631–3 (15 ref.)

Effects of exposure to excessive quantities of lead on animals. Humphreys DJ. **Br Vet J** 1991 Jan–Feb;147(1):18–30 (59 ref.)

Environmental and occupational asthma. Exposure assessment. Newman-Taylor A, et al. **Chest** 1990 Nov;98(5 Suppl):209S–211S (16 ref.)

Genetic and environmental factors in scleroderma. Briggs DC, et al. **Curr Opin Rheumatol** 1989 Dec;1(4):475–8 (11 ref.)

Use of biological markers and pharmacokinetics in human health risk assessment. Hattis D. **Environ Health Perspect** 1991 Jan;90:229–38 (55 ref.)

Statistical issues in risk assessment of reproductive outcomes with chemical mixtures. Hertzberg VS, et al. **Environ Health Perspect** 1991 Jan;90:171–5 (39 ref.)

The potential of exposure biomarkers in epidemiologic studies of reproductive health. Hogue CJ, et al. **Environ Health Perspect** 1991 Jan;90:261–9 (125 ref.)

Selection of reproductive health end points for environmental risk assessment. Savitz DA, et al. **Environ Health Perspect** 1991 Jan;90:159–64 (34 ref.)

Validation of biological markers for quantitative risk assessment. Schulte P, et al. **Environ Health Perspect** 1991 Jan;90:239–46 (43 ref.)

Advances in early fetal loss research: importance for risk assessment. Sweeney AM, et al. **Environ Health Perspect** 1991 Jan;90:165–9 (19 ref.)

Electromagnetic fields: biological and clinical aspects. Tabrah FL, et al. **Hawaii Med J** 1991 Mar;50(3):113–8 (30 ref.)

ELF: exposure levels, bioeffects, and epidemiology. Anderson LE. **Health Phys** 1991 Jul;61(1):41–6 (26 ref.)

Microwave radiation absorption: behavioral effects. D'Andrea JA. **Health Phys** 1991 Jul;61(1):29–40 (66 ref.)

Biological effects of radiofrequency radiation: concepts and criteria. Michaelson SM. **Health Phys** 1991 Jul;61(1):3–14 (103 ref.)

Environmental exposures with decreased risks for lung cancer? Rylander R. **Int J Epidemiol** 1990;19 Suppl 1:S67–72 (38 ref.)

Cholinesterase activity in domestic animals as a potential biomonitor for nerve agent and other organophosphate exposure. Munro NB, et al. **J Am Vet Med Assoc** 1991 Jul 1;199(1):103–15 (69 ref.)

The epidemiology of exposure to electromagnetic fields: an overview of the recent literature. Jauchem JR, et al. **J Clin Epidemiol** 1991;44(9):895–906 (118 ref.)

Diethyl phthalate: a perspective. Kamrin MA, et al. **J Clin Pharmacol** 1991 May;31(5):484–9 (67 ref.)

Prolonged asthma after smoke inhalation: a report of three cases and a review of previous reports. Moisan TC. **J Occup Med** 1991 Apr;33(4):458–61 (42 ref.)

Assessment of low level asbestos exposure in the urban environment. Benarde MA. **J R Soc Health** 1991 Apr; 111(2):54–6 (18 ref.)

Radon and health [see comments] Bowie C, et al. **Lancet** 1991 Feb 16;337(8738):409–13 (42 ref.) Comment in: Lancet 1991 Mar 23;337(8743):732.

Do environmental toxins cause Parkinson's disease? A critical review. Tanner CM, et al. **Neurology** 1990 Oct;40(10 Suppl 3):suppl 17–30; discussion 30–1 (145 ref.)

Cancer risks from exposure to radon progeny in mines and dwellings. Axelson O. **Recent Results Cancer Res** 1990; 120:146–65 (91 ref.)

Towards an automated micronucleus assay as an internal dosimeter for carcinogen-exposed human population groups. Stich HF, et al. **Recent Results Cancer Res** 1990; 120:94–105 (42 ref.)

Cancer risks due to exposure to electromagnetic fields. Thériault G. **Recent Results Cancer Res** 1990;120:166–80 (48 ref.)

Human health effects: what the data indicate. Gough M. **Sci Total Environ** 1991 May 1;104(1–2):129–58 (92 ref.)

Human exposure to dioxin. Travis CC, et al. **Sci Total Environ** 1991 May 1;104(1–2):97–127 (113 ref.)

The U.S. Environmental Protection Agency's risk assessment guidelines. Jarabek AM, et al. **Toxicol Ind Health** 1990 Oct; 6(5):199–216 (14 ref.)

[Exogenous modification of reproductive disorders; more questions than facts] Zielhuis GA, et al. **Ned Tijdschr Geneeskd** 1991 Jun 22;135(25):1117–20 (45 ref.) **(Dut)**

[Laryngeal carcinoma and asbestos exposure. A critical review of the literature] Deitmer T. **Laryngorhinootologie** 1990 Nov;69(11):589–94 (75 ref.) (Eng. Abstr.) **(Ger)**

[Toxicological assessment of exposure to heavy metals] Ewers U. **Off Gesundheitswes** 1990 Aug–Sep;52(8–9):380–6 (40 ref.) (Eng. Abstr.) **(Ger)**

[Etiology of bronchial cancer: smoking, passive smoking, environment and occupation] Schmähl D. **Pneumologie** 1991 Apr;45(4):134–6 (7 ref.) (Eng. Abstr.) **(Ger)**

[Nitrates and nitrites in the environment and their effect on human health] Szponar L, et al. **Postepy Hig Med Dosw** 1990;44(4–6):327–50 (92 ref.) (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Work injuries and exposures in children and young adults: review and recommendations for action. Richter ED, et al. **Am J Ind Med** 1991;19(6):747–69 (44 ref.)

Genetic and environmental factors in scleroderma. Welsh KI, et al. **Curr Opin Rheumatol** 1990 Dec;2(6):920–1 (5 ref.)

Chemicals and environmentally caused diseases in developing countries. Jamall IS, et al. **Infect Dis Clin North Am** 1991 Jun;5(2):365–75 (52 ref.)

Sick building syndrome. Lyles WB, et al. **South Med J** 1991 Jan;84(1):65–71, 76 (41 ref.)

[The consequences of the destruction of the ozone layer for the biosphere] Belousov VV. **Izv Akad Nauk SSSR [Biol]** 1991 Mar–Apr;(2):242–54 (82 ref.) **(Rus)**

STANDARDS

Perspectives on what we formerly called threshold limit values. Goldsmith JR. **Am J Ind Med** 1991;19(6):805–12 (37 ref.)

Radiofrequency/microwave protection guides. Petersen RC. **Health Phys** 1991 Jul;61(1):59–67 (11 ref.)

Predicting EPA's forthcoming CO standards in light of new clinical evidence. Graham JD, et al. **Risk Anal** 1991 Jun; 11(2):325–32 (22 ref.)

ENVIRONMENTAL HEALTH

Current aspects of trace element research in environmental health. Kono K, et al. **Bull Osaka Med Coll** 1989 Nov; 35(1–2):1–9 (60 ref.)

Towards quantitative risk assessment for neurotoxicity. Wyzga RE. **Neurotoxicology** 1990 Summer;11(2):199–207 (18 ref.)

Approaching environmental medicine. Case BW. **Pa Med** 1990 Sep;93(9):52–5 (27 ref.)

Interdisciplinary approach to assessing the health risk of air toxic chemicals: an overview. Grose EC, et al. **Toxicol Ind Health** 1990 Oct;6(5):157–69 (36 ref.)

[The chronic action of lead on the vascular system: the problem of ecological pathology] Zerbino DD, et al. **Arkh Patol** 1990;52(7):70–3 (50 ref.) (Eng. Abstr.) **(Rus)**

[New theoretical and methodologic principles of evaluating health status in public health studies] Kul'berg AIa. **Vestn Akad Med Nauk SSSR** 1991;(1):19–23 (21 ref.) **(Rus)**

[Methodology of the study of the state of health of the population in relation to the quality of the environment] Sidorenko GI, et al. **Vestn Akad Med Nauk SSSR** 1991; (1):15–8 (23 ref.) (Eng. Abstr.) **(Rus)**

STANDARDS

Human exposure to dioxin. Travis CC, et al. **Sci Total Environ** 1991 May 1;104(1–2):97–127 (113 ref.)

STATISTICS & NUMERICAL DATA

Quantitative approaches to human risk assessment for noncancer health effects. Kimmel CA. **Neurotoxicology** 1990 Summer;11(2):189–98 (23 ref.)

TRENDS

Research on risk assessment and risk management: future directions. Grant LD, et al. **Toxicol Ind Health** 1990 Oct; 6(5):217–33 (11 ref.)

ENVIRONMENTAL MICROBIOLOGY

Fate of recombinant Escherichia coli K-12 strains in the environment. Bogosian G, et al. **Adv Appl Microbiol** 1991; 36:87–131 (177 ref.)

An environmental assessment of biotechnological processes. Thakur MS, et al. **Adv Appl Microbiol** 1991;36:67–86 (90 ref.)

Environmental application of nucleic acid hybridization. Sayler GS, et al. **Annu Rev Microbiol** 1990;44:625–48 (124 ref.)

Bioaerosols: prevalence and health effects in the indoor environment. Burge H. **J Allergy Clin Immunol** 1990 Nov; 86(5):687–701 (48 ref.)

Fundamentals of a microbiological environmental monitoring program. Technical Report No. 13. PDA Environmental Task Force. **J Parenter Sci Technol** 1990;44 Suppl 1:S1–16 (33 ref.)

Environmental aspects of Cryptosporidium species: a review. Smith HV. **J R Soc Med** 1990 Oct;83(10):629–31 (16 ref.)

Bacterial pathogens in domesticated animals and their environment. Hinton M, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:81S–90S (105 ref.)

ENVIRONMENTAL MONITORING

On making nature safe for biotechnology. Sagoff M. **Biotechnology** 1991;15:341–65 (49 ref.)

Ecological risk analysis of biotechnological waste decontamination. Thrall AD, et al. **Biotechnology** 1991; 15:325–39 (35 ref.)

Aerial dispersal of bacteria. Upper CD, et al. **Biotechnology** 1991;15:75–93 (71 ref.)

Seasonal indoor radon variations related to precipitation. Mose DG, et al. **Environ Mol Mutagen** 1991;17(4):223–30 (40 ref.)

Guidelines for medical screening in the workplace. Matte TD, et al. **Occup Med** 1990 Jul–Sep;5(3):439–56 (14 ref.)

Medical surveillance in the workplace: overview. Rempel D. **Occup Med** 1990 Jul–Sep;5(3):435–8 (8 ref.)

Medical surveillance of infectious disease endpoints. Rosenberg J, et al. **Occup Med** 1990 Jul–Sep;5(3):583–605 (59 ref.)

Biological monitoring. Rosenberg J, et al. **Occup Med** 1990 Jul–Sep;5(3):491–8 (23 ref.)

Medical surveillance for melanoma at the Lawrence Livermore National Laboratory. Wald PH, et al. **Occup Med** 1990 Jul–Sep;5(3):607–16 (16 ref.)

[Examination medicine in the industrial health--aspects of biological monitoring] Yamauchi T, et al. **Rinsho Byori** 1991 Apr;39(4):338–45 (18 ref.) (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

Electromagnetic fields: biological and clinical aspects. Tabrah FL, et al. **Hawaii Med J** 1991 Mar;50(3):113–8 (30 ref.)

LEGISLATION & JURISPRUDENCE

Medical surveillance in the workplace--legal issues. Chinski A. **Occup Med** 1990 Jul–Sep;5(3):457–68 (78 ref.)

Air toxics in the U.S.: magnitude of the problem and strategy for control. Berry DK. **Toxicol Ind Health** 1990 Oct; 6(5):1–12 (10 ref.)

METHODS

Microbial biosensors for environmental monitoring. Gaisford WC, et al. **Biochem Soc Trans** 1991 Feb;19(1):15–8 (7 ref.)

Assessment of animal behaviour as a method to indicate environmental toxicity. Døving KB. **Comp Biochem Physiol [C]** 1991;100(1–2):247–52 (52 ref.)

Critical effective methods to detect genotoxic carcinogens and neoplasm-promoting agents. Weisburger JH, et al. **Environ Health Perspect** 1991 Jan;90:121–6 (60 ref.)

Biomonitoring of human exposure to alkylating agents by measurement of adducts to haemoglobin or DNA. Farmer PB, et al. **IARC Sci Publ** 1991;(105):71–7 (26 ref.)

Analytical tools and biomonitoring for carcinogens in complex mixtures. O'Neill IK. **IARC Sci Publ** 1990; (104):123–33 (24 ref.)

Use of bacterial assay system for monitoring genotoxic complex mixtures in the occupational setting. Ong T, et al. **IARC Sci Publ** 1990;(104):101–6 (14 ref.)

Analytical isotachophoresis in biological monitoring of exposure to industrial chemicals. Sollenberg J. **J Chromatogr** 1991 Jun 7;545(2):369–74 (19 ref.)

Fundamentals of a microbiological environmental monitoring program. Technical Report No. 13. PDA Environmental Task Force. **J Parenter Sci Technol** 1990;44 Suppl 1:S1–16 (33 ref.)

Medical surveillance for pulmonary endpoints. Balmes JR.

Occup Med 1990 Jul–Sep;5(3):499–513 (51 ref.)
Medical surveillance for neurologic endpoints. Cone JE, et al. **Occup Med** 1990 Jul–Sep;5(3):547–62 (82 ref.)
Medical surveillance and biomonitoring for occupational cancer endpoints. Cone JE, et al. **Occup Med** 1990 Jul–Sep; 5(3):563–81 (85 ref.)
Medical surveillance for workplace hepatotoxins. Harrison R. **Occup Med** 1990 Jul–Sep;5(3):515–30 (92 ref.)
The role of industrial hygiene in preventing occupational lung disease. Hinds WC. **Occup Med** 1991 Jan–Mar; 6(1):29–42 (32 ref.)
Rhythmic variations in medical monitoring tests. LaDou J. **Occup Med** 1990 Jul–Sep;5(3):479–89 (17 ref.)
Role of industrial hygiene in medical surveillance. Robinson ST. **Occup Med** 1990 Jul–Sep;5(3):469–78 (6 ref.)
Small mammals as monitors of environmental contaminants. Talmage SS, et al. **Rev Environ Contam Toxicol** 1991; 119:47–145 (120 ref.)
Methods for source characterization of organic air pollutants. Bloemen HJ, et al. **Toxicol Ind Health** 1990 Oct;6(5):67–80 (12 ref.)
Airborne Toxic Elements and Organic Substances (ATEOS) project: overview. Lioy PJ. **Toxicol Ind Health** 1990 Oct; 6(5):53–65 (20 ref.)
[Monitoring of xenobiotics in food products and daily diets (review of the literature)] Gabovich RD, et al. **Gig Sanit** 1990 Jul;(7):26–32 (56 ref.) **(Rus)**

STANDARDS

Internal and external quality control in the toxicological analysis of blood and urine samples in the Federal Republic of Germany. Schaller KH, et al. **Int Arch Occup Environ Health** 1991;62(8):537–42 (10 ref.)
Technological, economic, and political feasibility in OSHA's Air Contaminants Standard [see comments] Robinson JC, et al. **J Health Polit Policy Law** 1991 Spring;16(1):1–18 (20 ref.) Comment in: J Health Polit Policy Law 1991 Spring;16(1):19–24.

ENVIRONMENTAL POLLUTANTS

Lead. Gerson B. **Clin Lab Med** 1990 Sep;10(3):441–57 (40 ref.)
Problems and potential for in situ treatment of environmental pollutants by engineered microorganisms. Jain RK, et al. **Microbiol Sci** 1987 Feb;4(2):59–63 (34 ref.)
[Current theories on biotransformation and metabolism of mercury] Moszczyński P, et al. **Postepy Hig Med Dosw** 1990;44(1–3):153–80 (125 ref.) (Eng. Abstr.) **(Pol)**
[The chronic action of lead on the vascular system: the problem of ecological pathology] Zerbino DD, et al. **Arkh Patol** 1990;52(7):70–3 (50 ref.) (Eng. Abstr.) **(Rus)**
[Problems of molecular toxicology] Tiunov LA. **Vestn Akad Med Nauk SSSR** 1991;(1):8–12 (68 ref.) (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Use of computerized test batteries for quantifying neurobehavioral outcomes. Letz R. **Environ Health Perspect** 1991 Jan;90:195–8 (25 ref.)
The contribution of experimental studies to risk assessment of carcinogenic agents in humans. Tomatis L, et al. **Exp Pathol** 1990;40(4):251–66 (29 ref.)
Environmental illness. A controlled study of 26 subjects with '20th century disease' [see comments] Black DW, et al. **JAMA** 1990 Dec 26;264(24):3166–70 (33 ref.) Comment in: JAMA 1991 May 8;265(18):2335–7.
Cadmium contamination of the countryside, a case study on health effects. Kreis IA. **Toxicol Ind Health** 1990 Oct; 6(5):181–8 (13 ref.)
Exposure assessment of consumer products: human body weights and total body surface areas to use, and sources of data for specific products. Hakkinen PJ, et al. **Vet Hum Toxicol** 1991 Feb;33(1):61–5 (25 ref.)
[Biochemical basis of the effect of organophosphate pesticides on humans] Lutz W, et al. **Med Pr** 1990;41(3):181–9 (31 ref.) (Eng. Abstr.) **(Pol)**
[The ecological and biomedical aspects of the problem of environmental pollution by nitrates and nitrites] Azhipa IaI, et al. **Fiziol Cheloveka** 1990 May–Jun;16(3):131–49 (130 ref.) **(Rus)**
[Combined effects of embryotoxic and teratogenic environmental chemical factors (review of the literature)] Litvinov NN, et al. **Gig Sanit** 1990 Nov;(11):80–2 (50 ref.) **(Rus)**
[Hygienic significance of late effects of chemical substances and their standardization (review of the literature)] Riazanova RA. **Gig Sanit** 1990 Nov;(11):72–5 (34 ref.) **(Rus)**
[Ecology and allergology] Ado AD. **Klin Med (Mosk)** 1990 Sep;68(9):3–6 (14 ref.) **(Rus)**
[Allergic diseases. Analysis of the causes of their increase] Velichkovskiĭ BT. **Vestn Akad Med Nauk SSSR** 1991; (1):28–33 (21 ref.) (Eng. Abstr.) **(Rus)**
[Life style, environment and childhood diseases] Ballabriga A. **An Esp Pediatr** 1990 Nov;33 Suppl 42:1–19 (270 ref.) **(Spa)**

ANALYSIS

Carcinogens in our environment. Rall DP. **IARC Sci Publ** 1990;(104):233–9 (12 ref.)
Environmentally stable chlorinated contaminants from the pulp and paper industry. Rappe C. **IARC Sci Publ** 1990; (104):341–53 (17 ref.)
International Commission for Protection Against Environmental Mutagens and Carcinogens. ICPEMC publication No. 19. The classification of carcinogens identified in the rodent bioassay as potential risks to humans: what type of substance should be tested next? Clayson DB, et al. **Mutat Res** 1991 Jan;257(1):91–106 (103 ref.)
Environmental lead in Mexico. Albert LA, et al. **Rev Environ Contam Toxicol** 1991;117:1–49 (100 ref.)
Small mammals as monitors of environmental contaminants. Talmage SS, et al. **Rev Environ Contam Toxicol** 1991; 119:47–145 (120 ref.)

METABOLISM

[The significanse of microsomal ethanol oxidation systems for the metabolism of drugs and pollutants] Hoffmann P, et al. **Pharmazie** 1991 Apr;46(4):241–6 (87 ref.) **(Ger)**

POISONING

Physiology of bone: mineral compartment proteins as candidates for environmental perturbation by lead. Sauk JJ, et al. **Environ Health Perspect** 1991 Feb;91:9–16 (86 ref.)
Comparative analysis of health risk assessments for municipal waste combustors. Levin A, et al. **J Air Waste Manage Assoc** 1991 Jan;41(1):20–31 (42 ref.)

TOXICITY

Immunotoxicology: overview and future perspectives. Bellanti JA. **Ann Allergy** 1991 Jun;66(6):465–73 (11 ref.)
Approaches to immunotoxicologic studies with emphasis on chemical-induced immunomodulation. Munson AE, et al. **Ann Allergy** 1991 Jun;66(6):505–18 (21 ref.)
Physiological costs of combating chemical toxicants: ecological implications. Calow P. **Comp Biochem Physiol [C]** 1991;100(1–2):3–6 (37 ref.)
DDT and pyrethroids—ecotoxicological considerations. Eriksson P. **Comp Biochem Physiol [C]** 1991; 100(1–2):269–70 (22 ref.)
Evaluating the effects of chemical exposures on adaptive functioning. Kulig BM. **Comp Biochem Physiol [C]** 1991; 100(1–2):263–8 (24 ref.)
Role of physiological energetics in ecotoxicology. Widdows J, et al. **Comp Biochem Physiol [C]** 1991;100(1–2):69–75 (41 ref.)
Immunologic alterations by environmental chemicals: relevance of studying mechanisms versus effects. Sharma RP, et al. **J Immunopharmacol** 1980;2(3):285–307 (64 ref.)
Development and utilization of physiologically based pharmacokinetic models for toxicological applications. Leung HW. **J Toxicol Environ Health** 1991 Mar; 32(3):247–67 (84 ref.)
Pharmacological interaction and combined toxicity of exposure to environmental chemicals. Iyaniwura TT. **Rev Environ Health** 1989 Jan–Dec;8(1–4):165–70 (44 ref.)
[Injury to the immune system by food contaminated by environmental toxins] Stickl HA. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):232–40 (10 ref.) (Eng. Abstr.) **(Ger)**
[Monitoring of xenobiotics in food products and daily diets (review of the literature)] Gabovich RD, et al. **Gig Sanit** 1990 Jul;(7):26–32 (56 ref.) **(Rus)**

ENVIRONMENTAL POLLUTION

Response of plant antioxidant defense genes to environmental stress. Scandalios JG. **Adv Genet** 1990;28:1–41 (136 ref.)
Potential impacts on health of atmospheric change. Haines A, et al. **J Public Health Med** 1991 May;13(2):69–80 (70 ref.)
The impact of heavy metals on lowland rivers and the implications for man and the environment. Bubb JM, et al. **Sci Total Environ** 1991 Mar;100 Spec No:207–33 (193 ref.)
Human health effects: what the data indicate. Gough M. **Sci Total Environ** 1991 May 1;104(1–2):129–58 (92 ref.)
The photolability of hydroxamic acids and its importance to the human environment. Lipczynska-Kochany E. **Sci Total Environ** 1991 Mar;100 Spec No:469–82 (81 ref.)
[Environment, chemicals and public health] Kroes R, et al. **Tijdschr Diergeneeskd** 1991 Feb 15;116(4):180–6 (23 ref.) (Eng. Abstr.) **(Dut)**

ADVERSE EFFECTS

Clinical and immunologic approach to patients with alleged environmental injury. Salvaggio JE. **Ann Allergy** 1991 Jun; 66(6):493–503 (83 ref.)
The environment and the lung. Changing perspectives. Samet JM, et al. **JAMA** 1991 Aug 7;266(5):670–5 (57 ref.)
Dietary carcinogens, environmental pollution, and cancer: some misconceptions. Ames BN, et al. **Med Oncol Tumor Pharmacother** 1990;7(2–3):69–85 (164 ref.)
The role of environmental factors in neurodegenerative disorders. Henneberry R, et al. **Neurobiol Aging** 1991 Jan–Feb;12(1):75–9 (13 ref.)
[The importance of diesel engine exhaust in public health environmental protection/ecological health protection] Fromme H. **Off Gesundheitswes** 1990 Nov;52(11):625–9 (52 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Halogenated hydrocarbons: past, present and near-future problems. Goldberg ED. **Sci Total Environ** 1991 Mar;100 Spec No:17–28 (19 ref.)
[Public health and ecological aspects of the protection of the biosphere against industrial fluorine-containing wastes] Shcherbakov SV, et al. **Vestn Akad Med Nauk SSSR** 1991; (1):54–9 (51 ref.) **(Rus)**

ENVIRONMENTAL POLLUTION, TOBACCO SMOKE see **TOBACCO SMOKE POLLUTION**

ENVIRONMENTAL PROTECTION AGENCY (U.S.) see **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

ENZOOTIC ENCEPHALOMYELITIS VIRUS see **BORNA DISEASE VIRUS**

ENZYME IMMUNOASSAY see **IMMUNOENZYME TECHNIQUES**

ENZYME INDUCTION

DRUG EFFECTS

The effect of hepatic enzyme-inducing drugs on thyroid hormones and the thyroid gland. Curran PG, et al. **Endocr Rev** 1991 May;12(2):135–50 (161 ref.)
Enzyme induction and inhibition. Barry M, et al. **Pharmacol Ther** 1990;48(1):71–94 (244 ref.)
Induction of drug-metabolizing enzymes by xenobiotics. Bock KW, et al. **Xenobiotica** 1990 Nov;20(11):1101–11 (60 ref.)
Assessment of enzyme induction and enzyme inhibition in humans: toxicological implications. Park BK, et al. **Xenobiotica** 1990 Nov;20(11):1171–85 (75 ref.)

PHYSIOLOGY

[Enzymatic imprinting and its possible significance in carcinogenesis] Khudoleĭ VV, et al. **Vopr Onkol** 1990; 36(9):1045–52 (51 ref.) **(Rus)**

ENZYME INHIBITORS

Enzyme-inhibiting antibodies and immunoglobulin combining site functional perspectives. Petrella RU, et al. **Kurume Med J** 1990;37(4):209–28 (109 ref.)
Mechanisms of inhibition of xenobiotic-metabolizing enzymes. Testa B. **Xenobiotica** 1990 Nov;20(11):1129–37 (26 ref.)

CHEMICAL SYNTHESIS

Design of enzyme inhibitors using iterative protein crystallographic analysis. Appelt K, et al. **J Med Chem** 1991 Jul;34(7):1925–34 (40 ref.)

PHARMACOLOGY

New strategy for discovery of enzyme inhibitors: screening with intact mammalian cells or intact microorganisms having special functions. Tomoda H, et al. **J Antibiot (Tokyo)** 1990 Oct;43(10):1207–22 (81 ref.)
Enzyme inhibition by fluoro compounds. Abeles RH, et al. **J Biol Chem** 1990 Oct 5;265(28):16705–8 (91 ref.)
Enzyme induction and inhibition. Barry M, et al. **Pharmacol Ther** 1990;48(1):71–94 (244 ref.)
[Acetylenic enzyme inhibitors: their role in anticancer chemotherapy] Bador P, et al. **Pharm Acta Helv** 1990; 65(11):305–10 (28 ref.) (Eng. Abstr.) **(Fre)**
[The biochemical basis of pharmaceutical chemistry. 10. Enzymes and enzyme inhibitors as drugs] Nuhn P, et al. **Pharmazie** 1991 May;46(5):365–82 (28 ref.) **(Ger)**

THERAPEUTIC USE

[Hypercholesterolemia: therapeutic approach] Alessandri C, et al. **Clin Ter** 1991 Jun 30;137(6):373–97 (82 ref.) (Eng. Abstr.) **(Ita)**

ENZYME-LABELED ANTIBODY TECHNIQUE see **IMMUNOENZYME TECHNIQUES**

ENZYME-LINKED IMMUNOSORBENT ASSAY

Monitoring the release of glycocalicin in platelet concentrates by ELISA. Bessos H, et al. **Blood Coagul Fibrinolysis** 1991 Apr;2(2):373–6 (27 ref.)
Enzyme-linked immunoassays for the detection of Salmonella spp.: a comparison with other methods. Beumer RR, et al. **Int J Food Microbiol** 1991 Apr;12(4):363–74 (44 ref.)
Immunoassays for mycotoxins: current state of the art, commercial and epidemiological applications. Chu FS. **Vet Hum Toxicol** 1990;32 Suppl:42–50 (92 ref.)
Non-A, non-B hepatitis and the anti-HCV assay. Barbara JA, et al. **Vox Sang** 1991;60(1):1–7 (33 ref.)
[Comparison of cytology and ELISA in the research on

cervical Chlamydia infection] Calzolari E, et al. **Minerva Ginecol** 1991 May;43(5):227–31 (31 ref.) (Eng. Abstr.) **(Ita)**

METHODS

Enzyme-linked immunosorbent assays. Nilsson B. **Curr Opin Immunol** 1989–90;2(6):898–904 (23 ref.)

Enzyme-linked immunosorbent assays and developments in techniques using latex beads. Tijssen P, et al. **Curr Opin Immunol** 1991 Apr;3(2):233–7 (38 ref.)

[Dot immunoenzyme analysis in biological research] Vlasov GS, et al. **Biol Nauki** 1991;(4):5–21 (63 ref.) (Eng. Abstr.) **(Rus)**

VETERINARY

[Studies on the development of an ELISA kit for microbiological monitoring of laboratory animals] Takakura A, et al. **Jikken Dobutsu** 1991 Jan;40(1):7–15 (27 ref.) **(Jpn)**

ENZYME MAPPING, RESTRICTION see **RESTRICTION MAPPING**

ENZYME PRECURSORS

GENETICS

Modification of milk-clotting aspartic proteinases by recombinant DNA techniques. Beppu T. **Ann N Y Acad Sci** 1990;613:14–25 (21 ref.)

ISOLATION & PURIFICATION

Purification of renin and prorenin. Inagami T. **Hypertension** 1991 Sep;18(3):241–51 (154 ref.)

METABOLISM

Mechanisms of vitamin K antagonism. Bovill EG, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):555–81 (176 ref.)

Human prorenin. Hsueh WA, et al. **Hypertension** 1991 Apr; 17(4):469–77 (123 ref.)

The prophenoloxidase cascade in insect immunity. Ashida M. **Res Immunol** 1990 Nov-Dec;141(9):908–10 (4 ref.)

PHYSIOLOGY

The proPO-system and associated proteins; role in cellular communication in arthropods. Söderhäll K, et al. **Res Immunol** 1990 Nov-Dec;141(9):896–907 (67 ref.)

ENZYME STABILITY

Enzyme stabilization: state of the art. Gianfreda L, et al. **Mol Cell Biochem** 1991 Feb 2;100(2):97–128 (306 ref.)

ENZYME TESTS

Alkaline phosphatase. A marker in prostatic cancer? Høisaeter PA. **Acta Oncol** 1991;30(2):171–2 (6 ref.)

Is acid phosphatase (PAP) still justified in the management of prostatic cancer? Kontturi M. **Acta Oncol** 1991; 30(2):169–70 (7 ref.)

Assessment of the size of acute myocardial infarction. I: Biochemical methods. Bruschke AV, et al. **Cleve Clin J Med** 1990 Sep;57(6):547–50 (22 ref.)

Rapid diagnosis of myocardial infarction and reperfusion by assay of plasma isoforms of creatine kinase isoenzymes. Abendschein DR. **Clin Biochem** 1990 Oct;23(5):399–407 (34 ref.)

Progress in the enzyme diagnosis of liver disease: reality or illusion? Schmidt E, et al. **Clin Biochem** 1990 Oct; 23(5):375–82 (64 ref.)

Advances in the enzyme diagnosis of pancreatic diseases. Schmidt E, et al. **Clin Biochem** 1990 Oct;23(5):383–94 (107 ref.)

Enzymes used in predicting high risk to colon cancer. Schwartz MK. **Clin Biochem** 1990 Oct;23(5):395–8 (36 ref.)

Red blood cell enzymes in the diagnosis of genetic disease. van der Heiden C. **Clin Biochem** 1990 Oct;23(5):417–22 (46 ref.)

Red cell enzyme defects. Beutler E. **Hematol Pathol** 1990; 4(3):103–14 (146 ref.)

[Biochemical research on monoamine oxidases and their significance in the diagnosis of alcoholic intoxication] Porodenko VA, et al. **Sud Med Ekspert** 1991 Jan-Mar; 34(1):45–6 (47 ref.) **(Rus)**

[Biochemical studies in the diagnosis of acute pancreatitis] Tvorogova MG, et al. **Ter Arkh** 1991;63(2):144–7 (26 ref.) **(Rus)**

[Thymidine kinase: a serum marker in clinical medicine] Llobell Segui GJ, et al. **An Med Interna** 1989 Jul;6(7):381–5 (66 ref.) (Eng. Abstr.) **(Spa)**

[Diagnostic efficacy of adenosine deaminase (ADA) in tuberculous serositis] Martínez JM, et al. **Enferm Infecc Microbiol Clin** 1989 Jan;7(1):48–53 (26 ref.) **(Spa)**

[The usefulness and limitations of adenosine deaminase in the diagnosis of tubercular pleurisy. A meta-analytical study] Ena J, et al. **Med Clin (Barc)** 1990 Sep 22;95(9):333–5 (28 ref.) (Eng. Abstr.) **(Spa)**

ENZYMES

[Complex forms of enzymes and prospects for their study (review of the literature)] Gromashevskaia LL, et al. **Lab Delo** 1991;(1):3–9 (49 ref.) **(Rus)**

ANALYSIS

The role of lysosomes in the pathogenesis of unicameral bone cysts. Gerasimov AM, et al. **Clin Orthop** 1991 May; (266):53–63 (41 ref.)

Applied histochemistry and cytochemistry. Eckert H. **Z Erkr Atmungsorgane** 1991;176(2–3):122–7 (5 ref.)

[Ligand-exchange chromatography of proteins and enzymes] Lopatin SA, et al. **Bioorg Khim** 1990 Jun;16(6):725–50 (98 ref.) (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Temperature as a factor regulating the synthesis of microbial enzymes. Chaloupka J. **Microbiol Sci** 1985;2(3):86–90 (39 ref.)

CHEMISTRY

Hepatic gluconeogenesis/glycolysis: regulation and structure/function relationships of substrate cycle enzymes. Pilkis SJ, et al. **Annu Rev Nutr** 1991;11:465–515 (243 ref.)

Intra- and intermolecular electron transfer processes in redox proteins. Tollin G, et al. **Arch Biochem Biophys** 1991 May 15;287(1):1–7 (35 ref.)

DEFICIENCY

Lysosomal storage diseases. Neufeld EF. **Annu Rev Biochem** 1991;60:257–80 (182 ref.)

Prenatal diagnosis of enzyme defects—an update. Winchester B, et al. **Arch Dis Child** 1991 Apr;66(4 Spec No):451–4 (44 ref.)

Peroxisomal disorders. Naidu S, et al. **Neurol Clin** 1990 Aug; 8(3):507–28 (110 ref.)

[Hemolytic anemias caused by erythrocyte enzyme disorders] Maldonado Martín A, et al. **An Med Interna** 1989 May; 6(5):266–73 (46 ref.) (Eng. Abstr.) **(Spa)**

GENETICS

Pharmacokinetic-pharmacogenetic modelling in the detection of polymorphisms in xenobiotic metabolism. Jackson PR, et al. **Ann Occup Hyg** 1990 Dec;34(6):653–62 (13 ref.)

IMMUNOLOGY

Antibody-directed enzyme/prodrug therapy (ADEPT). Bagshawe KD. **Biochem Soc Trans** 1990 Oct;18(5):750–2 (28 ref.)

Enzyme-inhibiting antibodies and immunoglobulin combining site functional perspectives. Petrella RU, et al. **Kurume Med J** 1990;37(4):209–28 (109 ref.)

ISOLATION & PURIFICATION

Enzyme reagents from unusual sources. Wu TW. **Clin Biochem** 1990 Oct;23(5):433–6 (13 ref.)

Investigation of dye/protein interaction and its application to enzyme purification. Glemža AA. **J Mol Recognit** 1990 Jun;3(3):137–41 (14 ref.)

METABOLISM

Application of metabolic-control logic to fuel utilization and its significance in tumor cells. Newsholme EA, et al. **Adv Enzyme Regul** 1991;31:225–46 (19 ref.)

Affinity labeling of nucleotide binding sites of enzymes and platelets. Colman RF. **Adv Exp Med Biol** 1990;281:257–63 (13 ref.)

Affinity labeling of adenine nucleotide sites in enzymes. Colman RF, et al. **Ann N Y Acad Sci** 1990;603:417–26 (10 ref.)

Molecular insights into enzymes of membrane bilayer assembly. Hjelmstad RH, et al. **Biochemistry** 1991 Feb 19; 30(7):1731–40 (90 ref.)

Enzymes depending on the pterin molybdenum cofactor: sequence families, spectroscopic properties of molybdenum and possible cofactor-binding domains. Wootton JC, et al. **Biochim Biophys Acta** 1991 Mar 29;1057(2):157–85 (215 ref.)

The high performance liquid chromatography of enzyme systems relating to purine and pyrimidine metabolism: an overview. Perrett D, et al. **Biomed Chromatogr** 1990 Nov; 4(6):267–72 (26 ref.)

Kinetics and thermodynamics of metabolite transfer between enzymes. Smolen P, et al. **Biophys Chem** 1990 Nov; 38(3):241–63 (41 ref.)

Quinoproteins: enzymes containing the quinonoid cofactor pyrroloquinoline quinone, topaquinone or tryptophan-tryptophan quinone. Duine JA. **Eur J Biochem** 1991 Sep 1;200(2):271–84 (211 ref.)

Nuclear magnetic resonance relaxation methodology: application to enzyme systems. Kasturi SR, et al. **Indian J Biochem Biophys** 1990 Aug;27(4):187–94 (30 ref.)

Biosynthesis and function of selenocysteine-containing enzymes. Stadtman TC. **J Biol Chem** 1991 Sep 5; 266(25):16257–60 (65 ref.)

Detection of site-specific binding and co-binding of ligands to macromolecules using 19F NMR. Jenkins BG. **Life Sci** 1991;48(13):1227–40 (62 ref.)

Enzyme catalysis: not different, just better. Knowles JR. **Nature** 1991 Mar 14;350(6314):121–4 (45 ref.)

The energetics of intramolecular reactions and enzyme catalysis. Page MI. **Philos Trans R Soc Lond [Biol]** 1991 May 29;332(1263):149–56 (53 ref.)

[Biochemistry of organometallic compounds] Riabov AD, et al. **Biokhimiia** 1990 Jul;55(7):1155–68 (63 ref.) (Eng. Abstr.) **(Rus)**

PHARMACOLOGY

[The biochemical basis of pharmaceutical chemistry. 10. Enzymes and enzyme inhibitors as drugs] Nuhn P, et al. **Pharmazie** 1991 May;46(5):365–82 (28 ref.) **(Ger)**

PHYSIOLOGY

Lipids, membrane receptors, and enzymes: effects of dietary fatty acids. Kinsella JE. **JPEN J Parenter Enteral Nutr** 1990 Sep-Oct;14(5 Suppl):200S–217S (91 ref.)

THERAPEUTIC USE

Theory and practice in the individualization of oral pancreatic enzyme administration for chronic pancreatitis. Andrén-Sandberg A. **Int J Pancreatol** 1989;5 Suppl:51–62 (22 ref.)

TOXICITY

Toxicological evaluation of some enzymes, modified starches and certain other substances. Joint FAO/WHO Expert Committee on Food Additives. **FAO Nutr Meet Rep Ser** 1972;(50A):1–109 (258 ref.)

URINE

[Urinary enzymes and their importance for the diagnosis of kidney lesions (review of the literature)] Lavrenova TP. **Lab Delo** 1990;(7):4–10 (47 ref.) **(Rus)**

ENZYMES, IMMOBILIZED

see related
ENZYME STABILITY

Enzymatic techniques applied to complex carbohydrates. Some examples. Nilsson KG. **Ann N Y Acad Sci** 1990; 613:431–4 (13 ref.)

Screening and separation of beta-lactam antibiotics using protein-engineered enzymes. Wang HY, et al. **Ann N Y Acad Sci** 1990;613:376–84 (20 ref.)

Bioreactors in medicine. Hoffman AS. **Biomater Artif Cells Artif Organs** 1990;18(4):523–8 (26 ref.)

Enzymatic semisynthesis of human insulin: an update. Morihara K. **J Mol Recognit** 1990 Oct-Dec;3(5–6):181–6 (21 ref.)

DIAGNOSTIC USE

Bioselective detection in liquid chromatography by the use of immobilized enzymes. Marko-Varga G, et al. **J Pharm Biomed Anal** 1990;8(8–12):817–23 (36 ref.)

METABOLISM

Biotechnological and medical applications based on immobilization of hepatocytes, microorganisms, or enzyme systems by microencapsulation in artificial cells. Chang TM. **Ann N Y Acad Sci** 1990;613:109–15 (23 ref.)

Analytical aspects of internal signal processing in biosensors. Scheller FW, et al. **Ann N Y Acad Sci** 1990;613:68–78 (18 ref.)

Biosensor trends. Receptors, enzymes, and antibodies. Wingard LB Jr. **Ann N Y Acad Sci** 1990;613:44–53 (25 ref.)

ENZYMOLOGIC GENE EXPRESSION REGULATION see **GENE EXPRESSION REGULATION, ENZYMOLOGIC**

EOG see **ELECTROOCULOGRAPHY**

EOSINOPHIL CHEMOTACTIC FACTORS see **CHEMOTACTIC FACTORS, EOSINOPHIL**

EOSINOPHIL CHEMOTAXINS see **CHEMOTACTIC FACTORS, EOSINOPHIL**

EOSINOPHIL DIFFERENTIATION FACTOR see **INTERLEUKIN-5**

EOSINOPHILIA

Episodic angioedema with eosinophilia (Gleich syndrome). Schiavino D, et al. **Allergol Immunopathol (Madr)** 1990 Jul-Aug;18(4):233–6 (27 ref.)

Overlap syndromes, mixed connective tissue disease, and eosinophilic fasciitis. Maddison PJ. **Curr Opin Rheumatol** 1989 Dec;1(4):523–8 (10 ref.)

CHEMICALLY INDUCED

Eosinophilia-myalgia syndrome. Kazura JW. **Cleve Clin J Med** 1991 May-Jun;58(3):267–70 (25 ref.)

Neuromuscular manifestations of the L-tryptophan-associated eosinophilia-myalgia syndrome. Kaufman LD. **Curr Opin Rheumatol** 1990 Dec;2(6):896–900

(27 ref.)
L-tryptophan-related eosinophilia-myalgia syndrome: a case report. Wong CB, et al. **Hawaii Med J** 1990 Aug; 49(8):295-8, 303 (17 ref.)
L-tryptophan-associated eosinophilia-myalgia syndrome: perspective of a new illness. Kaufman LD, et al. **Rheum Dis Clin North Am** 1991 May;17(2):427-41 (94 ref.)
[Myalgia-hypereosinophilia syndrome caused by L-tryptophan] Lacour JP, et al. **Ann Dermatol Venereol** 1990;117(12):991-8 (32 ref.) **(Fre)**
[L-tryptophan and the eosinophilia-myalgia syndrome--consequences for artificial nutrition?] Bässler KH. **Infusionstherapie** 1991 Feb;18(1):5-10 (37 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Mitral valve replacement in idiopathic hypereosinophilic syndrome. Boustany CW Jr, et al. **Ann Thorac Surg** 1991 Jun;51(6):1007-9 (14 ref.)
Cutaneous mucinosis in a patient with eosinophilia-myalgia syndrome associated with L-tryptophan ingestion [letter] Dubin DB, et al. **Arch Dermatol** 1990 Nov;126(11):1517-8 (7 ref.)
Eosinophilia, activated eosinophils and human schistosomiasis. Thorne KJ, et al. **J Cell Sci** 1991 Mar;98 (Pt 3):265-70 (82 ref.)
Eosinophilia-myalgia syndrome--old questions for a new syndrome [editorial] Walz LeBlanc BA, et al. **J Rheumatol** 1990 Nov;17(11):1435-8 (62 ref.)
Is eosinophilic ureteritis an entity? 2 case reports and review. Spark RP, et al. **J Urol** 1991 Jun;145(6):1256-60 (29 ref.)
[Clinical and pathogenic aspects of NARES (non-allergic rhinitis with eosinophilic syndrome)] Moneret-Vautrin DA, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991; 112(1):41-4 (34 ref.) (Eng. Abstr.) **(Fre)**
[Association of rheumatoid polyarthritis and large granular lymphocyte lymphocytosis or pseudo-Felty's syndrome: a new case, with eosinophilia and without neutropenia] Lafforgue P, et al. **Rev Rhum Mal Osteoartic** 1991 Jun; 58(6):477-80 (22 ref.) **(Fre)**

DIAGNOSIS

Eosinophilic fasciitis in a ten year old boy. Degan JA, et al. **Nebr Med J** 1990 Nov;75(11):299-302 (20 ref.)
The eosinophilia-myalgia syndrome and related disorders [editorial] Kaufman LD. **Recenti Prog Med** 1991 May; 82(5):286-90 (53 ref.)
[Hypereosinophilia syndrome of unknown origin] Szalka A, et al. **Orv Hetil** 1991 Feb 17;132(7):365-8 (25 ref.) (Eng. Abstr.) **(Hun)**

EPIDEMIOLOGY

The eosinophilia-myalgia syndrome: the Los Alamos Conference. Hertzman PA, et al. **J Rheumatol** 1991 Jun; 18(6):867-73 (33 ref.)

ETIOLOGY

Eosinophilic ascites due to hyperinfection with Strongyloides stercoralis. Lambroza A, et al. **Am J Gastroenterol** 1991 Jan;86(1):89-91 (13 ref.)
Wells' syndrome in children: varicella infection as a precipitating event. Reichel M, et al. **Br J Dermatol** 1991 Feb;124(2):187-90 (30 ref.)

IMMUNOLOGY

Eosinophil phenotypes and LTC4 generation in vitro and in hypereosinophilic states. Sheff DM. et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:481-8 (77 ref.)

PATHOLOGY

Polyarteritis nodosa, Churg-Strauss syndrome, and other eosinophilic syndromes. Alarcón-Segovia D. **Curr Opin Rheumatol** 1990 Feb;2(1):50-4 (20 ref.)
The eosinophilia-myalgia syndrome and eosinophilic fasciitis. Jimenez SA. **Curr Opin Rheumatol** 1990 Dec;2(6):960-6 (33 ref.)
[Eosinophilic gastritis. Clinico-pathologic considerations on a case and review of the literature] Villanacci V, et al. **Minerva Med** 1990 Oct;81(10):735-40 (32 ref.) (Eng. Abstr.) **(Ita)**
[Eosinophilia in primary biliary cirrhosis] Kokubun M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Jun;87(6):1410-6 (21 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

State of the art; the hypereosinophilic syndromes. Liesveld JL, et al. **Blood Rev** 1991 Mar;5(1):29-37 (103 ref.)

RADIOGRAPHY

[Eosinophilic gastroenteritis. Apropos of a case] Briant JF, et al. **J Radiol** 1991 Mar;72(3):177-81 (11 ref.) (Eng. Abstr.) **(Fre)**

EOSINOPHILIA, PULMONARY see **PULMONARY EOSINOPHILIA**

EOSINOPHILIA, TROPICAL see **PULMONARY EOSINOPHILIA**

EOSINOPHILIC GRANULOMA

COMPLICATIONS

Neoplasms associated with pulmonary eosinophilic granuloma. Tomashefski JF, et al. **Arch Pathol Lab Med** 1991 May;115(5):499-506 (42 ref.)

DIAGNOSIS

Eosinophilic granuloma of the cervical spine. A case report and review of the literature. Dickinson LD, et al. **Surg Neurol** 1991 Jan;35(1):57-63 (39 ref.)
[Eosinophilic granuloma of clavicular and subcutaneous localization. Report of a case] Gabaudan P, et al. **Rev Rhum Mal Osteoartic** 1990 Dec;57(12):899-900 (8 ref.) **(Fre)**

PATHOLOGY

A case of eosinophilic granuloma in the temporal bone. Wanifuchi N, et al. **Auris Nasus Larynx** 1991;18(1):17-26 (62 ref.)
Malignant lymphoma, pseudolymphoma, and hematopoietic disorders of the female genital tract. Ferry JA, et al. **Pathol Annu** 1991;26 Pt 1:227-63 (124 ref.)

RADIOGRAPHY

Eosinophilic granuloma of the temporal bone: radiological approach in the pediatric patient. Hadjigeorgi C, et al. **Pediatr Radiol** 1990;20(7):546-9 (21 ref.)

EOSINOPHILIC PNEUMONIA see **PULMONARY EOSINOPHILIA**

EOSINOPHILS

The roles of inflammatory cells in the pathogenesis of asthma and of chronic obstructive pulmonary disease. Corrigan CJ, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1165-8; discussion 1175-6 (54 ref.)

CYTOLOGY

Eosinophil differentiation factor (interleukin-5). Sanderson CJ. **Immunol Ser** 1990;49:231-56 (72 ref.)

DRUG EFFECTS

H1 antagonists and inhibitors of eosinophil accumulation. De Vos C. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:277-81 (34 ref.)

IMMUNOLOGY

Eosinophil phenotypes and LTC4 generation in vitro and in hypereosinophilic states. Sheff DM, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:481-8 (77 ref.)
Modulation of eosinophil function in vitro. Kay AB. **Clin Exp Allergy** 1990 Nov;20 Suppl 4:31-4 (34 ref.)
Eosinophilia, activated eosinophils and human schistosomiasis. Thorne KJ, et al. **J Cell Sci** 1991 Mar;98 (Pt 3):265-70 (82 ref.)
The immunobiology of eosinophils. Weller PF. **N Engl J Med** 1991 Apr 18;324(16):1110-8 (115 ref.)
The IgE receptor of eosinophils. Capron M, et al. **Springer Semin Immunopathol** 1990;12(4):327-48 (102 ref.)
[Atopic dermatitis and eosinophils] Yoshida H, et al. **Arerugi** 1991 May;40(5):489-93 (37 ref.) **(Jpn)**

METABOLISM

Production of neuropeptides by inflammatory cells within the granulomas of murine schistosomiasis mansoni. Weinstock JV. **Eur J Clin Invest** 1991 Apr;21(2):145-53 (126 ref.)
[Eosinophil-induced lung injury] Iwamoto I. **Kokyu To Junkan** 1991 Jun;39(6):514-21 (42 ref.) **(Jpn)**

PATHOLOGY

Inverted papilloma of the urinary bladder with granular eosinophilic cells. An unusual neuroendocrine variant. Summers DE, et al. **Arch Pathol Lab Med** 1991 Aug; 115(8):802-6 (45 ref.)
Mast cell and eosinophil mediated damage in bullous pemphigoid. Goldstein SM, et al. **Immunol Ser** 1989; 46:527-45 (67 ref.)

PHYSIOLOGY

The inhibiting effect of cetirizine 2 HCl on eosinophil migration and its link to H1 blockade. Rihoux JP. **Agents Actions Suppl** 1991;33:409-15 (17 ref.)
The role of the eosinophil in asthma. Holgate ST, et al. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S66-70 (62 ref.)
A current perspective on the role of eosinophils in dermatologic diseases. Leiferman KM. **J Am Acad Dermatol** 1991 Jun;24(6 Pt 2):1101-12 (106 ref.)
[Eosinophil and eosinophil chemotactic] Zhou SL. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):25-9 (23 ref.) **(Chi)**

EPENDYMOMA

COMPLICATIONS

[Spontaneous rhinorrhea disclosing intranasal meningoencephalocele and ependymoma of the 4th ventricle] Brunon J, et al. **Neurochirurgie** 1990;36(6):383-7 (20 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

[Chromosome anomalies in brain tumors] Berthéas MF, et al. **Pediatrie** 1991;46(1):65-9 (28 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Recent data in pathological anatomy of primary brain tumors] Tommasi M, et al. **Pediatrie** 1991;46(1):31-7 (36 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Posterior fossa ependymomas: report of 30 cases and review of the literature. Lyons MK, et al. **Neurosurgery** 1991 May; 28(5):659-64; discussion 664-5 (53 ref.)

EPERYTHROZOONOSIS

VETERINARY

[The diagnosis of Eperythrozoon suis infection] Heinritzi K. **Tierarztl Prax** 1990 Oct;18(5):477-81 (8 ref.) (Eng. Abstr.) **(Ger)**

EPH GESTOSIS see **GESTOSIS, EPH**

4'-EPIADRIAMYCIN see **EPIRUBICIN**

EPIDEMICS see **DISEASE OUTBREAKS**

EPIDEMIOLOGIC DETERMINANTS see **EPIDEMIOLOGIC FACTORS**

EPIDEMIOLOGIC FACTORS

[How to detect causal risk factors?] Linn S. **Harefuah** 1990 Nov 1;119(9):277-9 (9 ref.) **(Heb)**

EPIDEMIOLOGIC METHODS

Analysis of cancer incidence data on the basis of multistage and clonal growth models. Stein WD. **Adv Cancer Res** 1991; 56:161-213 (71 ref.)
Methodologic issues in exposure assessment for case-control studies of cancer and herbicides. Blair A, et al. **Am J Ind Med** 1990;18(3):285-93 (27 ref.)
A critical review of epidemiological studies of Puerto Rican mental health. Guarnaccia PJ, et al. **Am J Psychiatry** 1990 Nov;147(11):1449-56 (51 ref.)
Epidemiologic evidence for different types of chronic airflow obstruction. Burrows B. **Am Rev Respir Dis** 1991 Jun; 143(6):1452-4; discussion 1455 (18 ref.)
Methodological considerations on intra- versus interpopulation correlation studies. de Backer G. **Ann Nutr Metab** 1991;35 Suppl 1:84-8 (8 ref.)
Epidemiologic surveillance in developing countries. Frerichs RR. **Annu Rev Public Health** 1991;12:257-80 (42 ref.)
Childhood precursors of high blood pressure and elevated cholesterol. Labarthe DR, et al. **Annu Rev Public Health** 1991;12:519-41 (70 ref.)
Introduction of methods in epidemiologic studies with reference of cataract. Grigoletto F, et al. **Dev Ophthalmol** 1991;21:1-17 (9 ref.)
Cataract classification systems in epidemiological studies. Sasaki K. **Dev Ophthalmol** 1991;21:97-102 (8 ref.)
A comparison of PMRs and SMRs as estimators of occupational mortality. Park RM, et al. **Epidemiology** 1991 Jan;2(1):49-59 (139 ref.)
The role of clinical epidemiology in establishing essential national health research capabilities in developing countries. Morrow RH Jr, et al. **Infect Dis Clin North Am** 1991 Jun;5(2):235-46 (23 ref.)
Multivariate refutation of aetiological hypotheses in non-experimental epidemiology. Maclure M. **Int J Epidemiol** 1990 Dec;19(4):782-7 (34 ref.)
Methodology for inferences concerning familial correlations: a review. Donner A, et al. **J Clin Epidemiol** 1991; 44(4-5):449-55 (37 ref.)
Assessing the clinical effectiveness of preventive maneuvers: analytic principles and systematic methods in reviewing evidence and developing clinical practice recommendations. A report by the Canadian Task Force on the Periodic Health Examination. Woolf SH, et al. **J Clin Epidemiol** 1990;43(9):891-905 (90 ref.)
Pulmonary function testing: guidelines for medical surveillance and epidemiological studies. McKay RT, et al. **Occup Med** 1991 Jan-Mar;6(1):43-57 (12 ref.)
Role of epidemiology in health risk assessment. Krewski D, et al. **Recent Results Cancer Res** 1990;120:1-24 (101 ref.)
Issues and problems in the conduct of epidemiologic research on chronic fatigue syndrome. Grufferman S. **Rev Infect Dis** 1991 Jan-Feb;13 Suppl 1:S60-7 (10 ref.)
Urbanisation and health: methodological difficulties in undertaking epidemiological research in developing

countries. Yach D, et al. **Soc Sci Med** 1990;31(4):507–14 (43 ref.)
Some statistical issues in studies of the epidemiology of AIDS. Jewell NP. **Stat Med** 1990 Dec;9(12):1387–416; discussion 1433–7 (81 ref.)
[The status and outlook for mathematical modelling in epidemiology] Beliakov VD, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Jun;(6):109–13 (50 ref.) **(Rus)**
[The investigation of an epidemic] Gili Miner M, et al. **Enferm Infecc Microbiol Clin** 1991 Jan;9(1):43–51 (14 ref.) **(Spa)**
[The need for and limitations of adjustment] Cobo E, et al. **Med Clin (Barc)** 1990 Nov 24;95(18):702–8 (35 ref.) **(Spa)**

EPIDEMIOLOGICAL MONITORING see **ENVIRONMENTAL MONITORING**

EPIDEMIOLOGY

Does epidemiology need a new philosophy? A case study of logical inquiry in the acquired immunodeficiency syndrome epidemic. Ng SK. **Am J Epidemiol** 1991 Jun 1; 133(11):1073–7 (25 ref.)
What is a cause and how do we know one? A grammar for pragmatic epidemiology. Susser M. **Am J Epidemiol** 1991 Apr 1;133(7):635–48 (61 ref.)
Discussion: the Kermack–McKendrick epidemic threshold theorem. Anderson RM. **Bull Math Biol** 1991;53(1–2):3–32 (63 ref.)
Proxy respondents in epidemiologic research. Nelson LM, et al. **Epidemiol Rev** 1990;12:71–86 (55 ref.)
Use of automated databases for pharmacoepidemiology research. Strom BL, et al. **Epidemiol Rev** 1990;12:87–107 (117 ref.)
How epidemiologists can improve television network news coverage of disease cluster reports. Greenberg M, et al. **Epidemiology** 1990 Mar;1(2):167–70 (15 ref.)
Historical patterns of pesticide epidemiology research from 1945 to 1988 [see comments] Levine RS, et al. **Epidemiology** 1990 Mar;1(2):181–4 (65 ref.) Comment in: Epidemiology 1990 Mar;1(2):97–8.
Autopsy as the yardstick for diagnosis: an epidemiologist's remarks. Saracci R. **IARC Sci Publ** 1991;(112):185–96 (14 ref.)
Effect modification and the limits of biological inference from epidemiologic data. Thompson WD. **J Clin Epidemiol** 1991; 44(3):221–32 (50 ref.)
Principles behind practice. 6. Disease causation. The role of epidemiological evidence. Marley JE, et al. **Med J Aust** 1991 Jul 15;155(2):95–101 (14 ref.)
Remarks on the use of some basic epidemiological concepts in dentistry. Alaneń P. **Proc Finn Dent Soc** 1991; 87(2):209–15 (3 ref.)
[Validity and serves of bias: planning and interpretation of studies by the clinical epidemiologist] Linn S. **Harefuah** 1989 Sep;117(5–6):157–60 (4 ref.) **(Heb)**

STANDARDS

Epidemiologic studies of oral mucosal conditions—methodologic issues. Kleinman DV, et al. **Community Dent Oral Epidemiol** 1991 Jun;19(3):129–40 (120 ref.)

TRENDS

Epidemiology in transition: a historical hypothesis [see comments] Vandenbroucke JP. **Epidemiology** 1990 Mar; 1(2):164–7 (27 ref.) Comment in: Epidemiology 1990 Jul;1(4):331–2.

EPIDERMAL CYST

COMPLICATIONS

Recurrent aseptic meningitis secondary to intracranial epidermoid cyst and Mollaret's meningitis: two distinct entities or a single disease? A case report and a nosologic discussion. Achard JM, et al. **Am J Med** 1990 Dec; 89(6):807–10 (30 ref.)
Central nervous system epidermoid cyst: a probable etiology of Mollaret's meningitis. Crossley GH, et al. **Am J Med** 1990 Dec;89(6):805–6 (8 ref.)
[A rare cause of pleurisy from subdiaphragmatic origin: epidermoid cyst of the spleen] Caillet B, et al. **Rev Pneumol Clin** 1990;46(3):114–5 (6 ref.) (Eng. Abstr.) **(Fre)**

CONGENITAL

[Intramedullary D12–L1 epidermoid tumor. Report of a case and review of the literature] Vallée B, et al. **Neurochirurgie** 1991;37(1):61–6 (34 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[A case of pineal epidermoid cyst showing an interesting magnetic resonance imaging] Kasai H, et al. **No Shinkei Geka** 1990 Aug;18(8):767–71 (20 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

Familial splenic epidermoid cyst. Ragozzino MW, et al. **AJR Am J Roentgenol** 1990 Dec;155(6):1233–4 (12 ref.)

METABOLISM

The biology of beta-adrenergic receptors: analysis in human epidermoid carcinoma A431 cells. Wang HY, et al. **Int J Biochem** 1991;23(1):7–20 (109 ref.)

PATHOLOGY

Proliferating trichilemmal cyst in an organoid nevus. Gordon CJ. **Cutis** 1991 Jul;48(1):49–52 (13 ref.)

RADIOGRAPHY

[Epidermoid cysts of the spleen. Report of 6 cases] Duvoisin B, et al. **J Radiol** 1990 May;71(5):345–50 (35 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[Splenic epidermoid cyst. Immunohistochemical study] Cremades Mira A, et al. **An Esp Pediatr** 1990 Aug; 33(2):185–8 (25 ref.) **(Spa)**

EPIDERMAL GROWTH FACTOR see **EPIDERMAL GROWTH FACTOR-UROGASTRONE**

EPIDERMAL GROWTH FACTOR RECEPTORS see **RECEPTORS, EPIDERMAL GROWTH FACTOR-UROGASTRONE**

EPIDERMAL GROWTH FACTOR-RELATED TRANSFORMING GROWTH FACTOR see **TRANSFORMING GROWTH FACTOR ALPHA**

EPIDERMAL GROWTH FACTOR-UROGASTRONE

CHEMISTRY

Three-dimensional structures of proteins determined by two-dimensional NMR and distance geometry calculations. Inagaki F. **Cell Struct Funct** 1990 Oct;15(5):237–43 (15 ref.)
The many faces of epidermal growth factor repeats. Davis CG. **New Biol** 1990 May;2(5):410–9 (77 ref.)
The solution structures of epidermal growth factor and transforming growth factor alpha. Campbell ID, et al. **Prog Growth Factor Res** 1989;1(1):13–22 (42 ref.)
Structural basis for epidermal growth factor receptor function. Hsuan JJ, et al. **Prog Growth Factor Res** 1989; 1(1):23–32 (50 ref.)

GENETICS

Epidermal growth factor-like domains in the vitamin K-dependent clotting factors. Some structure-function relationships. Stenflo J, et al. **Ann N Y Acad Sci** 1991; 614:11–29 (89 ref.)
Genetic and molecular analysis of EGF-related genes in Caenorhabditis elegans. Greenwald I. **Mol Reprod Dev** 1990 Sep;27(1):73–9 (29 ref.)
A sea urchin gene containing multiple EGF repeats is similar to vertebrate EGF-containing genes. Raff RA. **Mol Reprod Dev** 1990 Sep;27(1):66–72 (0 ref.)
Epidermal growth factor: receptor and ligand expression in human breast cancer. Murphy LC, et al. **Semin Cancer Biol** 1990 Oct;1(5):305–15 (44 ref.)

METABOLISM

Growth factors in normal and malignant uterine tissue. Murphy LJ, et al. **Ann N Y Acad Sci** 1991;622:383–91 (27 ref.)
Nutritional correlates of fetal growth. Warshaw JB. **Dev Pharmacol Ther** 1990;15(3–4):153–8 (13 ref.)
Epidermal growth factor in breast cancer. Barker S, et al. **Int J Biochem** 1990;22(9):939–45 (104 ref.)

PHARMACOLOGY

Growth factors and tooth development. Partanen AM, et al. **Int J Dev Biol** 1989 Mar;33(1):165–72 (43 ref.)
The effect of epidermal growth factor on corneal wound healing: practical considerations for therapeutic use. Feldman ST. **Refract Corneal Surg** 1991 May–Jun; 7(3):232–9 (62 ref.)

PHYSIOLOGY

Potential physiologic roles for epidermal growth factor in the kidney. Harris RC. **Am J Kidney Dis** 1991 Jun; 17(6):627–30 (16 ref.)
Autocrine and paracrine effects in the endometrium. Leake R, et al. **Ann N Y Acad Sci** 1991;622:145–8 (14 ref.)
The role of epidermal growth factor in normal and neoplastic growth of mouse mammary epithelial cells. Oka T, et al. **Cancer Treat Res** 1988;40:343–62 (56 ref.)
A role for epidermal growth factor in the follicular paracrine system? Hillier SG. **Clin Endocrinol (Oxf)** 1990 Oct; 33(4):427–8 (12 ref.)
Metabolism and effects of epidermal growth factor and related growth factors in mammals. Fisher DA, et al. **Endocr Rev** 1990 Aug;11(3):418–42 (361 ref.)
Hormone epidermal growth factor interactions in development. Fisher DA. **Horm Res** 1990;33(2–4):69–74; discussion 74–5 (74 ref.)
Role of milk-borne prostaglandins and epidermal growth factor for the suckling mammal. Koldovský O, et al. **J Am Coll Nutr** 1991 Feb;10(1):17–23 (83 ref.)
Studies of EGF-mediated growth control and signal transduction using the MDA-MB-468 human breast cancer cell line. Buick RN, et al. **Prog Clin Biol Res** 1990; 354A:179–91 (29 ref.)
Peptide growth factors: a new frontier in prostate cancer. Habib FK. **Prog Clin Biol Res** 1990;357:107–15 (30 ref.)
[PDGF, EGF and TGF-alpha. Promoters of cancer growth and wound healing] Uhl D. **Med Monatsschr Pharm** 1991 May;14(5):130–1 (3 ref.) **(Ger)**
[Mechanisms of epidermal growth factor activity] Gatalica Z, et al. **Lijec Vjesn** 1990 May–Jun;112(5–6):183–8 (110 ref.) (Eng. Abstr.) **(Scr)**

THERAPEUTIC USE

EGF and TGF-alpha in wound healing and repair. Schultz G, et al. **J Cell Biochem** 1991 Apr;45(4):346–52 (43 ref.)

EPIDERMAL NECROLYSIS, TOXIC

Toxic epidermal necrolysis: a review. Avakian R, et al. **J Am Acad Dermatol** 1991 Jul;25(1 Pt 1):69–79 (40 ref.)
Toxic epidermal necrolysis (Lyell syndrome). Roujeau JC, et al. **J Am Acad Dermatol** 1990 Dec;23(6 Pt 1):1039–58 (205 ref.)

ETIOLOGY

[A picture of epidermal necrolysis after hepatic allograft. Etiologic aspects] Merle C, et al. **Ann Dermatol Venereol** 1990;117(9):635–9 (25 ref.) **(Fre)**

EPIDERMIS

CHEMISTRY

The role of epidermal cytokines in inflammatory skin diseases. Sauder DN. **J Invest Dermatol** 1990 Nov; 95(5):27S–28S (15 ref.)

CYTOLOGY

The origin of epidermal melanocytes. Implications for the histogenesis of nevi and melanomas. Cramer SF. **Arch Pathol Lab Med** 1991 Feb;115(2):115–9 (68 ref.)
Epidermal differentiation. Fuchs E. **Curr Opin Cell Biol** 1990 Dec;2(6):1028–35 (25 ref.)
Epidermal differentiation: the bare essentials. Fuchs E. **J Cell Biol** 1990 Dec;111(6 Pt 2):2807–14 (86 ref.)
Multi-stage program of differentiation in human epidermal keratinocytes: regulation by retinoids. Jetten AM. **J Invest Dermatol** 1990 Nov;95(5):44S–46S (19 ref.)
Human epidermis reconstructed on dermal substrates in vitro: an alternative to animals in skin pharmacology. Régnier M, et al. **Skin Pharmacol** 1990;3(2):70–85 (40 ref.)
[Immune system of the epidermis] Démarchez M, et al. **Ann Dermatol Venereol** 1991;118(2):151–61 (73 ref.) **(Fre)**
[The extracellular epidermal compartment of mammals] Sokolov VE, et al. **Izv Akad Nauk SSSR [Biol]** 1990 Jul–Aug;(4):542–55 (76 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

The immune functions of epidermal cells. Stingl G, et al. **Immunol Ser** 1989;46:3–72 (330 ref.)
Cytokine modulation of adhesion molecules in the regulation of immunologic cytotoxicity of epidermal targets. Norris DA. **J Invest Dermatol** 1990 Dec;95(6 Suppl):111S–120S (118 ref.)
Herpes gestationis—bullae from hormones that cause increased extracellular matrix (autoantibodies to epidermal basement membrane as a secondary phenomenon). Stone OJ. **Med Hypotheses** 1990 Sep;33(1):11–4 (19 ref.)
[Analogies between the thymus and epidermis] De Panfilis G. **G Ital Dermatol Venereol** 1990 Nov;125(11):479–86 (62 ref.) (Eng. Abstr.) **(Ita)**

METABOLISM

Epidermal cytokines and their roles in cutaneous wound healing. McKay IA, et al. **Br J Dermatol** 1991 Jun; 124(6):513–8 (46 ref.)
Characterization and physiological role of epidermal lipids. Brod J. **Int J Dermatol** 1991 Feb;30(2):84–90 (91 ref.)
Leukocyte chemoattractant cytokines of the epidermis. Camp RD, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):108S–110S (35 ref.)

PATHOLOGY

[Epidermolysis bullosa and dermo-epidermic junction. Clinico-pathologic correlation] Rodrigo FG, et al. **Acta Med Port** 1991 Mar–Apr;4(2):93–8 (53 ref.) (Eng. Abstr.) **(Por)**

PHYSIOLOGY

Phosphoinositide-mediated signal transduction in normal and psoriatic epidermis. Fisher GJ, et al. **J Invest Dermatol**

1990 Nov;95(5):15S–17S (9 ref.)
Evidence for an epidermal cytokine network. Luger TA, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):100S–104S (54 ref.)
Targeting gene expression to the epidermis of transgenic mice: potential applications to genetic skin disorders. Rothnagel JA, et al. **J Invest Dermatol** 1990 Nov; 95(5):59S–61S (24 ref.)

TRANSPLANTATION

Avoiding complications following primary dermis–fat orbital implantation. Bosniak SL. **Ophthal Plast Reconstr Surg** 1985;1(4):237–41 (11 ref.)

ULTRASTRUCTURE

Studies of irritant reactions on epidermis: the application of energy dispersive x-ray microanalysis. Lindberg M. **Scanning Microsc** 1991 Mar;5(1):229–37; discussion 237–8 (44 ref.)

EPIDERMOID CYST see **EPIDERMAL CYST**

EPIDERMOLYSIS BULLOSA

Epidermolysis bullosa acquisita. Gammon WR. **Semin Dermatol** 1988 Sep;7(3):218–24 (38 ref.)
Review and update of epidermolysis bullosa acquisita. Woodley DT, et al. **Semin Dermatol** 1988 Jun;7(2):111–22 (53 ref.)

GENETICS

Revised clinical and laboratory criteria for subtypes of inherited epidermolysis bullosa. A consensus report by the Subcommittee on Diagnosis and Classification of the National Epidermolysis Bullosa Registry. Fine JD, et al. **J Am Acad Dermatol** 1991 Jan;24(1):119–35 (65 ref.)

IMMUNOLOGY

Acquired epidermolysis bullosa. A bullous disease associated with autoimmunity to type VII (anchoring fibril) collagen. Woodley DT, et al. **Dermatol Clin** 1990 Oct;8(4):717–26 (42 ref.)

PATHOLOGY

[Epidermolysis bullosa and dermo–epidermic junction. Clinico–pathologic correlation] Rodrigo FG, et al. **Acta Med Port** 1991 Mar–Apr;4(2):93–8 (53 ref.) (Eng. Abstr.) **(Por)**

THERAPY

Epidermolysis bullosa: the pediatric dermatological management and therapeutic update. Pessar A, et al. **Adv Dermatol** 1988;3:99–120 (57 ref.)

EPIDERMOLYSIS BULLOSA, ACQUIRED see **EPIDERMOLYSIS BULLOSA ACQUISITA**

EPIDERMOLYSIS BULLOSA ACQUISITA

Epidermolysis bullosa acquista. Woodley DT, et al. **Immunol Ser** 1989;46:547–63 (59 ref.)
Childhood epidermolysis bullosa acquisita. Report of three cases and review of literature. Arpey CJ, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 1):706–14 (32 ref.)

COMPLICATIONS

[Acquired bullous epidermolysis and multiple myeloma] Soria C, et al. **Med Cutan Ibero Lat Am** 1990;18(3):206–11 (48 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Acquired epidermolysis bullosa. Current state of knowledge] Sarret Y. **Ann Dermatol Venereol** 1990;117(9):623–9 (60 ref.) **(Fre)**

IMMUNOLOGY

Epidermolysis bullosa acquisita: a disease of autoimmunity to type VII collagen. Gammon WR. **J Autoimmun** 1991 Feb;4(1):59–71 (37 ref.)

EPIDERMOPHYTOSIS see **TINEA**

EPIDIDYMIS

Malignant mesothelioma of the tunica vaginalis. Kamiya M, et al. **Pathol Res Pract** 1990 Oct;186(5):680–4; discussion 685–6 (32 ref.)
[Testicular and epididymal malacoplakia. Presentation of a case and review of the literature] Romero Martín JA, et al. **Actas Urol Esp** 1990 Sep–Oct;14(5):381–2 (10 ref.) (Eng. Abstr.) **(Spa)**

ABNORMALITIES

[Seminal duct abnormalities in cryptorchism: our experience with 334 cases] Cicigoi A, et al. **Arch Ital Urol Nefrol Androl** 1991 Mar;63(1):107–11 (18 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Effects of elevated temperature on the epididymis and testis: experimental studies. Bedford JM. **Adv Exp Med Biol** 1991; 286:19–32 (37 ref.)
In defense of a function for the human epididymis. Cooper TG. **Fertil Steril** 1990 Dec;54(6):965–75 (69 ref.)

PHYSIOPATHOLOGY

The pathogenesis of epididymo–testicular dysfunction in varicocele: factors other than temperature. Comhaire F. **Adv Exp Med Biol** 1991;286:281–7 (38 ref.)

EPIDIDYMITIS

Acute epididymitis: etiology and therapy. Berger RE. **Semin Urol** 1991 Feb;9(1):28–31 (32 ref.)

COMPLICATIONS

[Orchiepididymitis] Barata HS. **AMB Rev Assoc Med Bras** 1990 Jan–Mar;36(1):38–40 (18 ref.) **(Por)**

ETIOLOGY

Approach to men with urethritis and urologic complications of sexually transmitted diseases. Bowie WR. **Med Clin North Am** 1990 Nov;74(6):1543–57 (17 ref.)

RADIONUCLIDE IMAGING

A false–positive scan for testicular torsion and false–negative scan for epididymitis. Rosenson AS, et al. **Clin Nucl Med** 1990 Dec;15(12):863–4 (11 ref.)

VETERINARY

Epididymitis in rams and lambs. Bulgin MS. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):683–90 (46 ref.)

4'-EPIDOXORUBICIN see **EPIRUBICIN**

EPIDURAL ANALGESIA see **ANALGESIA, EPIDURAL**

EPIDURAL ANESTHESIA see **ANESTHESIA, EPIDURAL**

EPIDURAL NEOPLASMS

Primary and secondary spinal epidural extraskeletal Ewing's sarcoma. Report of two cases and review of the literature. Benmeir P, et al. **Spine** 1991 Feb;16(2):224–7 (32 ref.)
Solitary extradural cavernous hemangiomas in the spinal canal. Report of five cases. Hillman J, et al. **Surg Neurol** 1991 Jul;36(1):19–24 (51 ref.)
Spinal extradural cavernous hemangioma. Lee JP, et al. **Surg Neurol** 1990 Nov;34(5):345–51 (23 ref.)

COMPLICATIONS

[A case of epidural lipomatosis presenting spinal ataxia] Tsuzaka K, et al. **Rinsho Shinkeigaku** 1991 Feb;31(2):206–9 (11 ref.) (Eng. Abstr.) **(Jpn)**

EPIDURAL SPACE

Primary spinal epidural extraosseous Ewing's sarcoma. Kaspers GJ, et al. **Cancer** 1991 Aug 1;68(3):648–54 (91 ref.)

EPIGLOTTIS

Extraskeletal myxoid chondrosarcoma of the epiglottis: case report and review of the literature. Wilkinson AH 3d, et al. **Otolaryngol Head Neck Surg** 1991 Feb;104(2):257–60 (15 ref.)

ABNORMALITIES

Ankyloglossia with deviation of the epiglottis and larynx. Mukai S, et al. **Ann Otol Rhinol Laryngol Suppl** 1991 May; 153:3–20 (53 ref.)

ANATOMY & HISTOLOGY

[The vallecula: an anatomic reality?] Briche D, et al. **Rev Stomatol Chir Maxillofac** 1991;92(4):213–8 (31 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[Laryngectomy with Tucker's epiglottoplasty] Piquet JJ, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(8):555–8 (17 ref.) (Eng. Abstr.) **(Fre)**

EPIGLOTTITIS

DIAGNOSIS

Respiratory distress in a child in the office. Ruddy RM. **Pediatr Emerg Care** 1990 Dec;6(4):314–20 (34 ref.)

EPIDEMIOLOGY

Acute epiglottitis in children and adults: a large–scale incidence study. Wurtele P. **Otolaryngol Head Neck Surg** 1990 Dec;103(6):902–8 (49 ref.)

EPILATION see **HAIR REMOVAL**

EPILEPSY

see related
KINDLING (NEUROLOGY)

Children with epilepsy as adults: outcome after 30 years of follow–up. Sillanpää M. **Acta Paediatr Scand Suppl** 1990; 368:1–78 (133 ref.)
Driving and epilepsy. A review and reappraisal [see comments] Krumholz A, et al. **JAMA** 1991 Feb 6; 265(5):622–6 (42 ref.) Comment in: JAMA 1991 Jun 12;265(22):2961–2.
[Knowledge and attitude of professors concerning epilepsy. Evaluation of a survey conducted on 4,099 professors of Cantabria] Herranz Fernández JL, et al. **An Esp Pediatr** 1990 Dec;33(6):523–7 (39 ref.) (Eng. Abstr.) **(Spa)**
[Epilepsy in childhood] Molina Font JA. **An Esp Pediatr** 1990 Nov;33 Suppl 43:30–3 (7 ref.) **(Spa)**

BLOOD

Anti–epileptic drug monitoring: an overview. Wallace SJ. **Dev Med Child Neurol** 1990 Oct;32(10):923–6 (36 ref.)

CEREBROSPINAL FLUID

Cerebrospinal fluid endothelin–1 and endothelin–3 levels in normal and neurosurgical patients: a clinical study and literature review. Kraus GE, et al. **Surg Neurol** 1991 Jan; 35(1):20–9 (61 ref.)

CHEMICALLY INDUCED

Steroids in relation to epilepsy and anaesthesia. Bäckström T, et al. **Ciba Found Symp** 1990;153:225–30; discussion 230–9 (24 ref.)

CLASSIFICATION

Confusions concerning sleep disorders and the epilepsies in children and adolescents. Stores G. **Br J Psychiatry** 1991 Jan;158:1–7 (42 ref.)
The epilepsies: clinical implications of the international classification. Dreifuss FE. **Epilepsia** 1990;31 Suppl 3:S3–10 (33 ref.)
The classification of childhood seizures and epilepsy syndromes. Pellock JM. **Neurol Clin** 1990 Aug;8(3):619–32 (50 ref.)
Classification of epileptic seizures and syndromes. Thadani VM, et al. **Semin Neurol** 1990 Dec;10(4):328–38 (46 ref.)
[Psychiatric disorders in epilepsy—1: Psychiatric classification] Herzer H, et al. **Z Arztl Fortbild (Jena)** 1990; 84(15):753–5 (41 ref.) **(Ger)**

COMPLICATIONS

The Geschwind syndrome. Benson DF. **Adv Neurol** 1991; 55:411–21 (60 ref.)
Epilepsy and disorders of mood. Blumer D. **Adv Neurol** 1991; 55:185–95 (57 ref.)
Neurobiological evidence for epilepsy–induced interictal disturbances. Engel J Jr, et al. **Adv Neurol** 1991;55:97–111 (136 ref.)
Memory dysfunction in epilepsy patients as a derangement of normal physiology. Halgren E, et al. **Adv Neurol** 1991; 55:385–410 (148 ref.)
Ictal amnesia and fugue states. Rowan AJ, et al. **Adv Neurol** 1991;55:357–67 (57 ref.)
Neuropsychological aspects of learning disabilities in epilepsy. Aldenkamp AP, et al. **Epilepsia** 1990;31 Suppl 4:S9–20 (104 ref.)
Learning disabilities in epilepsy: neurophysiological aspects. Binnie CD, et al. **Epilepsia** 1990;31 Suppl 4:S2–8 (44 ref.)
Children with epilepsy: the effect of seizures, syndromes, and etiological factors on cognitive functioning. Dam M. **Epilepsia** 1990;31 Suppl 4:S26–9 (43 ref.)
Education and epilepsy: assessment and remediation. Henriksen O. **Epilepsia** 1990;31 Suppl 4:S21–5 (19 ref.)
Neuropsychological assessment of cognitive functioning in children with epilepsy. Rugland AL. **Epilepsia** 1990;31 Suppl 4:S41–4 (24 ref.)
Electroencephalographic parameters in assessing the cognitive function of children with epilepsy. Stores G. **Epilepsia** 1990;31 Suppl 4:S45–9 (32 ref.)
Neurogenic pulmonary edema. A review of the literature and a perspective. Ell SR. **Invest Radiol** 1991 May; 26(5):499–506 (119 ref.)
Modulation of the protective efficacy of common antiepileptic drugs by xanthine derivatives: implications for the clinical use of xanthines in epileptic patients. Czuczwar SJ, et al. **Pharmacol Res** 1990 Nov–Dec;22(6):661–5 (36 ref.)
Epilepsy, psychosis and schizophrenia. Stevens JR. **Schizophr Res** 1988 Jan–Feb;1(1):79–89 (59 ref.)
Automobile driving and epilepsy: a medical perspective. Hansotia P. **Wis Med J** 1991 Mar;90(3):112–5 (13 ref.)
[A case of 17q distal trisomy associated with epilepsy] Kurihara M. **No To Hattatsu** 1991 Mar;23(2):210–2 (4 ref.) **(Jpn)**

DIAGNOSIS

The contribution of the electroencephalogram to the diagnosis of epilepsy: facts and delusions. Tugendhaft P. **Acta Clin Belg** 1990;45(4):247–59 (51 ref.)

Frontal lobe seizures and epilepsies in neurobehavioral disorders. Delgado-Escueta AV, et al. **Adv Neurol** 1991; 55:317-40 (67 ref.)
Approach to epilepsy in children. Mikati M. **Indian J Pediatr** 1990 May-Jun;57(3):297-312 (14 ref.)
Magnetoencephalography in the study of epilepsy. Paetau R, et al. **Neurophysiol Clin** 1990 Sep;20(3):169-87 (30 ref.)
The differential diagnosis of epilepsy. Devinsky O. **Semin Neurol** 1990 Dec;10(4):321-7 (65 ref.)
[Magnetoencephalography--current trends] Cammann R, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Jul; 42(7):412-7 (14 ref.) (Eng. Abstr.) **(Ger)**
[Psychoses in epilepsy] Diehl LW. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Sep; 42(9):513-37 (90 ref.) (Eng. Abstr.) **(Ger)**
[Diagnosis of epilepsy] de Campos CJ, et al. **Rev Paul Med** 1990 Jan-Feb;108(1):33-41 (51 ref.) **(Por)**

DRUG THERAPY

Problems of drug surveillance--an international view. Massarotti M, et al. **Acta Neurochir Suppl (Wien)** 1990; 50:26-31 (52 ref.)
Interictal psychiatric disorders. Neurochemical aspects. Reynolds EH. **Adv Neurol** 1991;55:47-58 (73 ref.)
Anticonvulsants in pregnancy. Meadow R. **Arch Dis Child** 1991 Jan;66(1 Spec No):62-5 (39 ref.)
Changing view of prognosis of epilepsy. Reynolds EH. **BMJ** 1990 Nov 17;301(6761):1112-4 (36 ref.)
Medical assessment and treatment of chronic epilepsy. Shorvon SD. **BMJ** 1991 Feb 16;302(6773):363-6 (31 ref.)
Current issues in the treatment of epilepsy [published erratum appears in Clin Pharm 1991 Jul;10(7):501] Pugh CB, et al. **Clin Pharm** 1991 May;10(5):335-58 (317 ref.)
Vigabatrin. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in epilepsy and disorders of motor control. Grant SM, et al. **Drugs** 1991 Jun;41(6):889-926 (159 ref.)
Antiepileptic drugs, cognitive function, and behavior in children: evidence from recent studies. Trimble MR. **Epilepsia** 1990;31 Suppl 4:S30-4 (37 ref.)
Carnitine, valproate, and toxicity [see comments] Coulter DL. **J Child Neurol** 1991 Jan;6(1):7-14 (55 ref.) Comment in: J Child Neurol 1991 Jan;6(1):3-6.
Valproate toxicity: risk-screening strategies [editorial; comment] Willmore LJ, et al. **J Child Neurol** 1991 Jan; 6(1):3-6 (47 ref.) Comment on: J Child Neurol 1991 Jan;6(1):7-14.
Antiepileptic drugs for children: carbamazepine and valproic acid derivatives. Kiker M. **J Neurosci Nurs** 1991 Apr; 23(2):130-2 (9 ref.)
Modern treatment strategies for patients with epilepsy: a review. Duncan JS. **J R Soc Med** 1991 Mar;84(3):159-62 (32 ref.)
Anticonvulsants in pregnancy. Kilpatrick CJ, et al. **Med J Aust** 1991 Feb 4;154(3):199-202 (39 ref.)
Spina bifida in infants of women treated with carbamazepine during pregnancy [see comments] Rosa FW. **N Engl J Med** 1991 Mar 7;324(10):674-7 (26 ref.) Comment in: N Engl J Med 1991 Mar 7;324(10):690-1.
The newer antiepileptic drugs: carbamazepine and valproic acid. Mikati M. **Pediatr Ann** 1991 Jan;20(1):34-40 (17 ref.)
Prescribing in epilepsy. Pirmohamed M. **Practitioner** 1990 Dec;234(1497):1070-2 (8 ref.)
Relationship between anticonvulsant drugs and learning disabilities. Bourgeois BF. **Semin Neurol** 1991 Mar; 11(1):14-9 (38 ref.)
Selection of drugs for the treatment of epilepsy. Mattson RH. **Semin Neurol** 1990 Dec;10(4):406-13 (47 ref.)
[Acute fatal liver insufficiency due to valproic acid therapy] Binek J, et al. **Schweiz Med Wochenschr** 1991 Feb 16; 121(7):228-33 (39 ref.) (Eng. Abstr.) **(Ger)**
[Study group: "Evaluation of the efficacy of therapeutic treatments in epilepsy"] Beghi E, et al. **Epidemiol Prev** 1990 Jun;12(43):21-7 (17 ref.) **(Ita)**
[Clinical pharmacokinetics of carbamazepine] Kanarkowski R, et al. **Psychiatr Pol** 1989 Sep-Dec;23(5-6):379-86 (58 ref.) **(Pol)**
[Chemotherapy of epilepsy (review of foreign literature)] Badalian LO, et al. **Klin Med (Mosk)** 1990 Jul;68(7):10-5 (30 ref.) **(Rus)**
[Therapeutic ranges of anti-epileptic drugs in monotherapy of children] Armijo Simón JA, et al. **An Esp Pediatr** 1991 Jan;34(1):32-42 (81 ref.) (Eng. Abstr.) **(Spa)**
[Prognosis in infantile epilepsy. Discontinuation of drug therapy] Palencia R. **An Esp Pediatr** 1990 Nov;33 Suppl 43:51-4 (14 ref.) **(Spa)**

ETIOLOGY

Post-traumatic epilepsy: cellular mechanisms and implications for treatment. Willmore LJ. **Epilepsia** 1990;31 Suppl 3:S67-73 (79 ref.)
Sotos syndrome presenting with epilepsy. Büyükgebiz A, et al. **Turk J Pediatr** 1990 Jan-Mar;32(1):59-63 (11 ref.)
[Electroencephalography, epilepsy and brain tumor] Revol M, et al. **Pediatrie** 1991;46(1):23-9 (25 ref.) (Eng. Abstr.) **(Fre)**
[Neuro-psychiatric symptoms in systemic lupus erythematosus] Kowal-Gierczak B, et al. **Psychiatr Pol** 1990 May-Jun;24(3):225-30 (36 ref.) **(Pol)**
[Mitochondrial encephalomyopathy: a new etiology of epilepsia partialis continua] Carrascosa Romero MC, et al. **An Esp Pediatr** 1990 Aug;33(2):156-9 (22 ref.) **(Spa)**

GENETICS

Gene mapping in the idiopathic generalized epilepsies: juvenile myoclonic epilepsy, childhood absence epilepsy, epilepsy with grand mal seizures, and early childhood myoclonic epilepsy. Delgado-Escueta AV, et al. **Epilepsia** 1990;31 Suppl 3:S19-29 (47 ref.)
Genes and epilepsy. Gardiner RM. **J Med Genet** 1990 Sep; 27(9):537-44 (46 ref.)
[The Angelman or "happy puppet" syndrome] Kálmánchey R, et al. **Orv Hetil** 1990 Sep 30;131(39):2151-4 (24 ref.) (Eng. Abstr.) **(Hun)**

METABOLISM

Neurochemical substrates of ictal behavior. Meldrum BS. **Adv Neurol** 1991;55:35-45 (81 ref.)

PHYSIOPATHOLOGY

Abortive generalized spike and waves in children: a review. Liou WY. **Acta Paediatr Sin** 1990 May-Jun;31(3):129-43 (77 ref.)
Italian contributions to magnetoencephalographic studies of the epilepsies. Ricci GB. **Adv Neurol** 1990;54:247-60 (23 ref.)
Epilepsy research. NIH experience. Sato S. **Adv Neurol** 1990; 54:223-30 (22 ref.)
Epilepsy and the blood-brain barrier [see comments] Duncan R, et al. **Br J Hosp Med** 1991 Jan;45(1):32-4 (26 ref.) Comment in: Br J Hosp Med 1991 May;45(5):264.
EEG mapping for surgery of epilepsy. Collura TF, et al. **Brain Topogr** 1990 Fall;3(1):65-77 (33 ref.)
Cellular physiology of epileptogenic phenomena and its application to therapy against intractable epilepsy. Sugaya E, et al. **Comp Biochem Physiol [C]** 1991;98(1):249-70 (47 ref.)
The Hans Berger lecture. Functional explorations of the human epileptic brain and their therapeutic implications. Engel J Jr. **Electroencephalogr Clin Neurophysiol** 1990 Oct; 76(4):296-316 (108 ref.)
Current evaluation of the concepts of centrencephalic and cortico-reticular seizures [editorial] Jasper HH. **Electroencephalogr Clin Neurophysiol** 1991 Jan;78(1):2-11 (64 ref.)
Epileptogenicity and cellular currents in rat hippocampus during ontogenesis. Heinemann U, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan-Dec;1(1-4):49-56 (18 ref.)
Contribution of calcium ions to epileptogenesis. Speckmann EJ, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan-Dec; 1(1-4):95-105 (24 ref.)
Magnetoencephalography and epilepsy research. Sato S. **Jpn J Psychiatry Neurol** 1990 Jun;44(2):241-9 (42 ref.)
Are frequent spike-waves during non-REM sleep in relation with an acquired neuro-psychological deficit in epileptic children? Billard C, et al. **Neurophysiol Clin** 1990 Dec; 20(6):439-53 (17 ref.)
Neuronal discharge hypersynchrony and the intracranial water balance in relation to glutamic acid and taurine redistribution: migraine and epilepsy. van Gelder NM. **Prog Clin Biol Res** 1990;351:1-20 (83 ref.)
Circadian aspects of epileptic behavior in comparative psychophysiology. Poirel C, et al. **Psychol Rep** 1991 Jun; 68(3 Pt 1):783-801 (75 ref.)
Electrophysiologic methods of evaluating epilepsy. Ebersole JS. **Semin Neurol** 1990 Dec;10(4):339-48 (67 ref.)
Role and implementation of long-term monitoring for epilepsy. Gates JR, et al. **Semin Neurol** 1990 Dec; 10(4):357-65 (27 ref.)
Epileptic syndromes and seizure types in children. Levy SR. **Semin Neurol** 1990 Dec;10(4):380-8 (54 ref.)
Epileptic syndromes and seizures in infants. Novotny EJ Jr. **Semin Neurol** 1990 Dec;10(4):366-79 (59 ref.)
Epileptic seizures and syndromes in adults. Theodore WH. **Semin Neurol** 1990 Dec;10(4):389-95 (63 ref.)
[Epilepsy and pregnancy] Schäffler L. **Schweiz Med Wochenschr** 1990 Oct 13;120(41):1508-16 (73 ref.) (Eng. Abstr.) **(Ger)**
[Sleep and epilepsy] Zeitlhofer J, et al. **Wien Klin Wochenschr** 1991;103(7):191-6 (50 ref.) (Eng. Abstr.) **(Ger)**
[Neuronal mechanisms underlying the kindling model of epilepsy] Maru E. **Nippon Ika Daigaku Zasshi** 1991 Feb; 58(1):4-10 (58 ref.) **(Jpn)**
[The effect of cerebellar structures on the epileptic activity in the brain] Kryzhanovskiĭ GN, et al. **Usp Fiziol Nauk** 1990 Jul-Sep;21(3):38-58 (159 ref.) **(Rus)**

PSYCHOLOGY

Behavioral correlates of interictal spikes. Binnie CD, et al. **Adv Neurol** 1991;55:113-26 (82 ref.)
Neurobiological substrates of ictal behavioral changes. Gloor P. **Adv Neurol** 1991;55:1-34 (92 ref.)
Memory function in patients with epilepsy. Thompson PJ. **Adv Neurol** 1991;55:369-84 (109 ref.)
Psychobiology of ictal aggression. Treiman DM. **Adv Neurol** 1991;55:341-56 (79 ref.)
Interictal psychoses of epilepsy. Trimble MR. **Adv Neurol** 1991;55:143-52 (49 ref.)
Acute behavioral symptomatology at disappearance of epileptiform EEG abnormality. Paradoxical or "forced" normalization. Wolf P. **Adv Neurol** 1991;55:127-42 (54 ref.)
Psychobehavioral disturbance in epileptic children. Cavazzuti GB, et al. **Childs Nerv Syst** 1990 Dec;6(8):430-3 (21 ref.)
Cognitive deficits in children: adaptive behavior and treatment techniques. Strang JD. **Epilepsia** 1990;31 Suppl 4:S54-8 (17 ref.)
The psychoses of epilepsy. Toone BK. **J R Soc Med** 1991 Aug;84(8):457-9 (13 ref.)
Psychological factors affecting neurological conditions. Depression and stroke, multiple sclerosis, Parkinson's disease, and epilepsy. McNamara ME. **Psychosomatics** 1991 Summer;32(3):255-67 (76 ref.)
[Psychiatric disorders in epilepsy--2: Results of clinico-psychologic studies] Herzer H, et al. **Z Arztl Fortbild (Jena)** 1990;84(15):756-9 (41 ref.) **(Ger)**
[Learning in epileptic subjects] Cavazzuti GB. **Minerva Pediatr** 1991 Mar;43(3):173-8 (53 ref.) **(Ita)**

RADIONUCLIDE IMAGING

Epilepsy. Fisher RS, et al. **J Nucl Med** 1991 Apr;32(4):651-9 (95 ref.)
Neuroimaging in epilepsy: contribution of MRI, PET and SPECT. Sperling MR. **Semin Neurol** 1990 Dec; 10(4):349-56 (97 ref.)
Single photon emission computed tomography in epilepsy. Devous MD Sr, et al. **Semin Nucl Med** 1990 Oct; 20(4):325-41 (72 ref.)

SURGERY

Soviet investigations in epilepsy. Kandel EI. **Acta Neurochir Suppl (Wien)** 1990;50:136-41 (0 ref.)
Effects of temporal lobe surgery on behavior. Rausch R. **Adv Neurol** 1991;55:279-92 (65 ref.)
Behavioral changes following corpus callosotomy. Reeves AG. **Adv Neurol** 1991;55:293-300 (63 ref.)
Cortical resection for children with epilepsy. Perspectives in pediatrics. Wyllie E. **Am J Dis Child** 1991 Mar; 145(3):314-20 (66 ref.)
Surgery for epilepsy. National Institutes of Health. **Conn Med** 1990 Aug;54(8):452-6 (0 ref.)
National Institutes of Health Consensus Development Conference Statement: Surgery for Epilepsy, March 19-21, 1990. **Epilepsia** 1990 Nov-Dec;31(6):806-12 (0 ref.)
Epilepsy and brain tumors: implications for treatment. Cascino GD. **Epilepsia** 1990;31 Suppl 3:S37-44 (40 ref.)
Surgical management of intractable seizure disorders. Hodges K, et al. **J Neurosci Nurs** 1991 Apr;23(2):93-100 (20 ref.)
[Neurosurgical therapy of epilepsy] Plangger C, et al. **Wien Klin Wochenschr** 1990 Sep 28;102(18):538-43 (68 ref.) (Eng. Abstr.) **(Ger)**
[Epilepsy surgery in the MRI era] Moritake K. **No Shinkei Geka** 1990 Dec;18(12):1089-99 (95 ref.) **(Jpn)**

THERAPY

Emergency department approach to managing seizures in pregnancy. Jagoda A, et al. **Ann Emerg Med** 1991 Jan; 20(1):80-5 (78 ref.)
Behavioural and cognitive-behavioural treatments for epilepsy: a progress review. Goldstein LH. **Br J Clin Psychol** 1990 Sep;29 (Pt 3):257-69 (36 ref.)
Anatomical, physiological, and theoretical basis for the antiepileptic effect of vagus nerve stimulation. Rutecki P. **Epilepsia** 1990;31 Suppl 2:S1-6 (63 ref.)

EPILEPSY, ABDOMINAL see **EPILEPSY, TEMPORAL LOBE**

EPILEPSY, FOCAL

Intractable partial epilepsy: evaluation and treatment. Cascino GD. **Mayo Clin Proc** 1990 Dec;65(12):1578-86 (39 ref.)

COMPLICATIONS

[Epilepsy and Turner's syndrome: report of a case and review of the literature] Trevisol-Bittencourt PC, et al. **Arq Neuropsiquiatr** 1990 Sep;48(3):360-5 (36 ref.) (Eng. Abstr.) **(Por)**

DIAGNOSIS

Chaos, balance, and development: thoughts on selected childhood epilepsy syndromes. Vining EP. **Epilepsia** 1990; 31 Suppl 3:S30-6 (44 ref.)

EPIDEMIOLOGY

The epidemiology of drug resistant epilepsy and adverse effects of antiepileptic drugs. Chadwick D. **Acta Neurochir Suppl (Wien)** 1990;50:32-7 (21 ref.)

ETIOLOGY

Rasmussen encephalitis: epilepsia partialis continua secondary to chronic encephalitis. Zupanc ML, et al. **Pediatr Neurol** 1990 Nov-Dec;6(6):397-401 (18 ref.)

PATHOLOGY

Neuropathology of epilepsy. Dam AM. **Acta Neurochir Suppl (Wien)** 1990;50:20-5 (35 ref.)

PHYSIOPATHOLOGY

Pathophysiology of acute brain damage following epilepsy. Baethmann A. **Acta Neurochir Suppl (Wien)** 1990;50:14–8 (19 ref.)

Membrane electrophysiology of epileptiform activity in the hippocampus. Wheal HV. **Acta Neurochir Suppl (Wien)** 1990;50:6–13 (88 ref.)

[Irritative midline and parasaggital foci: a clinical and electroencephalographic correlation] de Paola L, et al. **Arq Neuropsiquiatr** 1990 Jun;48(2):183–7 (10 ref.) (Eng. Abstr.) **(Por)**

PSYCHOLOGY

Selection criteria for epilepsy surgery psychometric evaluation. Polkey CE. **Acta Neurochir Suppl (Wien)** 1990; 50:72–5 (26 ref.)

REHABILITATION

Pre- and postoperative rehabilitation related to epilepsy surgery. Silfvenius H. **Acta Neurochir Suppl (Wien)** 1990; 50:100–6 (64 ref.)

SURGERY

Cortical resections outside the temporal lobe for intractable epilepsy—excluding multilobar resections and hemispherectomy. Polkey CE. **Acta Neurochir Suppl (Wien)** 1990;50:128–30 (12 ref.)

The place of hemispherectomy and major cortical resection in the control of drug resistant epilepsy. Polkey CE. **Acta Neurochir Suppl (Wien)** 1990;50:131–3 (13 ref.)

Principles of surgery for epilepsy. Rossi GF. **Acta Neurochir Suppl (Wien)** 1990;50:58–63 (44 ref.)

Arriving at the surgical options for intractable seizures. Spencer SS, et al. **Semin Neurol** 1990 Dec;10(4):422–30 (47 ref.)

EPILEPSY, MYOCLONUS

COMPLICATIONS

[A case of facioscapulohumeral muscular dystrophy with infantile spasms, sensorineural deafness and retinal vessel abnormality] Akiyama C, et al. **No To Hattatsu** 1991 Jul; 23(4):395–9 (13 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Early myoclonic encephalopathy, early infantile epileptic encephalopathy, and benign and severe infantile myoclonic epilepsies: a critical review and personal contributions. Lombroso CT. **J Clin Neurophysiol** 1990 Jul;7(3):380–408 (60 ref.)

MELAS syndrome. Report of two patients, and comparison with data of 24 patients derived from the literature. van Hellenberg Hubar JL, et al. **Neuropediatrics** 1991 Feb; 22(1):10–4 (47 ref.)

[Juvenile myoclonic epilepsy] Loiseau P, et al. **Rev Neurol (Paris)** 1990;146(12):719–25 (36 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

The neuropharmacology of juvenile myoclonic epilepsy. Resor SR Jr, et al. **Clin Neuropharmacol** 1990 Dec; 13(6):465–91 (166 ref.)

GENETICS

Muscle mitochondrial DNA in encephalomyopathy and ragged red fibres: a Southern blot analysis and literature review. Geny C, et al. **J Neurol** 1991 Jun;238(3):171–6 (67 ref.)

Multiple defects of the mitochondrial respiratory chain in a mitochondrial encephalopathy (MERRF): a clinical, biochemical and molecular study. Bindoff LA, et al. **J Neurol Sci** 1991 Mar;102(1):17–24 (48 ref.)

PATHOLOGY

[Pathology of mitochondrial encephalomyopathies] Ohama E, et al. **No To Shinkei** 1990 Aug;42(8):735–46 (58 ref.) **(Jpn)**

VETERINARY

Myoclonus in Papio papio. Brailowsky S. **Mov Disord** 1991; 6(2):98–104 (33 ref.)

EPILEPSY, PARTIAL see **EPILEPSY, FOCAL**

EPILEPSY, PARTIAL COMPLEX see **EPILEPSY, TEMPORAL LOBE**

EPILEPSY, PETIT MAL

METABOLISM

[The neurochemical bases of absence-type epilepsy] Rogozea R. **Rev Med Interna Neurol Psihiatr Neurochir Dermatovenerol Neurol Psihiatr Neurochir** 1989 Oct-Dec;34(4):251–61 (84 ref.) (Eng. Abstr.) **(Rum)**

PHYSIOPATHOLOGY

Petit mal epilepsy and parkinsonian tremor: hypothesis of a common pacemaker. Buzsáki G, et al. **Neuroscience** 1990; 36(1):1–14 (124 ref.)

EPILEPSY, PSYCHIC EQUIVALENT see **EPILEPSY, TEMPORAL LOBE**

EPILEPSY, PSYCHOMOTOR see **EPILEPSY, TEMPORAL LOBE**

EPILEPSY, TEMPORAL LOBE

DIAGNOSIS

Mesial temporal sclerosis: pathogenesis, diagnosis, and management. Gates JR, et al. **Epilepsia** 1990;31 Suppl 3:S55–66 (49 ref.)

Benign infantile epilepsy with complex partial seizures. Watanabe K, et al. **J Clin Neurophysiol** 1990 Jul;7(3):409–16 (14 ref.)

Temporal lobe epilepsy. Shukla GD. **J Indian Med Assoc** 1990 Jun;88(6):170–1 (19 ref.)

EPIDEMIOLOGY

The epidemiology of drug resistant epilepsy and adverse effects of antiepileptic drugs. Chadwick D. **Acta Neurochir Suppl (Wien)** 1990;50:32–7 (21 ref.)

ETIOLOGY

Are complex partial seizures a sequela of temporal lobe dysgenesis? Scheibel AB. **Adv Neurol** 1991;55:59–77 (70 ref.)

Ammon's horn sclerosis: its pathogenesis and clinical significance. Sano K, et al. **Tohoku J Exp Med** 1990 Aug; 161 Suppl:273–95 (106 ref.)

PHYSIOPATHOLOGY

Ictal manifestations of temporal lobe seizures. Wieser HG. **Adv Neurol** 1991;55:301–15 (31 ref.)

Experiential phenomena of temporal lobe epilepsy. Facts and hypotheses. Gloor P. **Brain** 1990 Dec;113 (Pt 6):1673–94 (82 ref.)

Experimental models of temporal lobe epilepsy: new insights from the study of kindling and synaptic reorganization. Sutula TP. **Epilepsia** 1990;31 Suppl 3:S45–54 (56 ref.)

Geriatric epilepsy: a review. Sanders KM, et al. **J Geriatr Psychiatry Neurol** 1991 Apr–Jun;4(2):98–105 (60 ref.)

Intractability of complex partial seizure with secondary generalization: kindling studies in cats. Sato M. **Tohoku J Exp Med** 1990 Aug;161 Suppl:253–71 (67 ref.)

PSYCHOLOGY

Neuropsychological investigation of temporal lobe epilepsy. Goldstein LH. **J R Soc Med** 1991 Aug;84(8):460–5 (56 ref.)

EPILEPSY, TRAUMATIC

EPIDEMIOLOGY

Posttraumatic epilepsy. Incidence and prophylaxis. Pagni CA. **Acta Neurochir Suppl (Wien)** 1990;50:38–47 (48 ref.)

EPILEPSY, UNCINATE see **EPILEPSY, TEMPORAL LOBE**

EPINEPHRINE

ADMINISTRATION & DOSAGE

New developments in cardiopulmonary resuscitation. Grauer K, et al. **Am Fam Physician** 1991 Mar;43(3):832–44 (35 ref.)

ANALOGS & DERIVATIVES

Pilocarpine and dipivefrin. Cantor LB. **CLAO J** 1991 Apr; 17(2):134 (6 ref.)

METABOLISM

[Effect of beta-adrenergic blockade on glucose homeostasis in insulin-induced hypoglycemia during physiological processes in diabetes mellitus] Szelachowska M. **Pol Tyg Lek** 1990 May 7–14;45(19–20):397–400 (49 ref.) **(Pol)**

PHARMACOLOGY

[The modification of the potassium concentration in blood by catecholamines. A literature review] Kaltofen A, et al. **Anasth Intensivther Notfallmed** 1990 Dec;25(6):405–10 (61 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Neuropeptide Y and central cardiovascular regulation. Focus on its role as a cotransmitter in cardiovascular adrenergic neurons. Fuxe K, et al. **Ann N Y Acad Sci** 1990;611:111–32 (66 ref.)

Hormonal regulation of the acute haemostatic response to stress. Grant PJ. **Blood Coagul Fibrinolysis** 1990 Aug; 1(3):299–306 (84 ref.)

THERAPEUTIC USE

Epinephrine in cardiac arrest: a critical review. Paradis NA, et al. **Ann Emerg Med** 1990 Nov;19(11):1288–301 (166 ref.)

EPIPHYSEAL CARTILAGE see **GROWTH PLATE**

EPIPHYSEAL PLATE see **GROWTH PLATE**

EPIPHYSES

INJURIES

Birth fractures of long bones. Salonen IS. **Ann Chir Gynaecol** 1991;80(1):71–3 (13 ref.)

SURGERY

Role of epiphysiodesis in the management of deformities of the foot and ankle. Wertheimer SJ. **J Foot Surg** 1990 Sep–Oct;29(5):459–62 (29 ref.)

EPIPHYSES, SLIPPED

Slipped capital femoral epiphysis. Brenkel IJ, et al. **Br J Hosp Med** 1991 Mar;45(3):140–4 (24 ref.)

EPIPHYSES, STIPPLED see **CHONDRODYSPLASIA PUNCTATA**

EPIPHYSIOLYSIS see **EPIPHYSES, SLIPPED**

EPIPHYSIS CEREBRI see **PINEAL BODY**

EPIPODOPHYLLOTOXIN see **PODOPHYLLOTOXIN**

EPIRUBICIN

ADMINISTRATION & DOSAGE

[A comparative study of intra-arterial infusion chemotherapy and systemic chemotherapy in the treatment of locally advanced breast cancer] Takatsuka Y, et al. **Gan To Kagaku Ryoho** 1991 Aug;18(11):1740–3 (7 ref.) (Eng. Abstr.) **(Jpn)**

EPISCLERITIS see **SCLERITIS**

EPISIOTOMY

Clear cell carcinoma arising in extraovarian endometriosis: report of three cases and review of the literature. Hitti IF, et al. **Gynecol Oncol** 1990 Dec;39(3):314–20 (17 ref.)

[Postoperative pain in obstetrics] Varrassi G, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):365–7 (16 ref.) **(Ita)**

ADVERSE EFFECTS

Endometriosis in episiotomy scar with anal sphincter involvement. Report of a case. Sayfan J, et al. **Dis Colon Rectum** 1991 Aug;34(8):713–6 (22 ref.)

EPISOMES see **PLASMIDS**

EPISTAXIS

Nasal Hemorrhage. Sessions RB. **Otolaryngol Clin North Am** 1973 Oct;6(3):727–44 (28 ref.)

ETIOLOGY

Quest for the aberrant vessel. Milczuk HA, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):489–94 (20 ref.)

THERAPY

Management of anterior and posterior epistaxis. Randall DA, et al. **Am Fam Physician** 1991 Jun;43(6):2007–14 (11 ref.)

How to control epistaxis. Parker AJ, et al. **Br J Hosp Med** 1990 Sep;44(3):198–200 (13 ref.)

EPITHELIOID CELLS

see related
GIANT CELLS

EPITHELIOMA see **CARCINOMA**

EPITHELIOMA, BASAL CELL see **CARCINOMA, BASAL CELL**

EPITHELIUM

CHEMISTRY

Epithelial integrins. Quaranta V. **Cell Differ Dev** 1990 Dec 2;32(3):361–5 (11 ref.)

CYTOLOGY

Growth factor-regulated pathways in epithelial cell proliferation. Aaronson SA, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S7–10 (47 ref.)

Role of cell-matrix contacts in cell migration and

epithelial–mesenchymal transformation. Hay ED. **Cell Differ Dev** 1990 Dec 2;32(3):367–75 (40 ref.)
Regulation of epithelial proliferation by TGF-beta. Moses HL, et al. **Ciba Found Symp** 1991;157:66–74; discussion 75–80 (49 ref.)
Renewal of the intestinal epithelium: new aspects as indicated by recent ultrastructural observations. Altman GG. **J Electron Microsc Tech** 1990 Sep;16(1):2–14 (44 ref.)
Involvement of the membrane–cytoskeleton in development of epithelial cell polarity. Nelson WJ, et al. **Semin Cell Biol** 1990 Oct;1(5):359–71 (57 ref.)
Role of the membrane–cytoskeleton in the spatial organization of the Na,K–ATPase in polarized epithelial cells. Nelson WJ, et al. **Soc Gen Physiol Ser** 1991;46:77–87 (26 ref.)

DRUG EFFECTS

Carcinogenesis studies in human epithelial tissues and cells in vitro: emphasis on serum–free culture conditions and transformation studies. Grafström RC. **Acta Physiol Scand Suppl** 1990;592:93–133 (232 ref.)

EMBRYOLOGY

Susceptibility of epithelia to directive influences of mesenchymes during organogenesis: uncoupling of morphogenesis and cytodifferentiation. Mizuno T, et al. **Cell Differ Dev** 1990 Sep;31(3):151–9 (67 ref.)

IMMUNOLOGY

Expression and function of interleukin–6 in epithelial cells. Krueger J, et al. **J Cell Biochem** 1991 Apr;45(4):327–34 (51 ref.)

METABOLISM

Epithelial Na+ channels. Smith PR, et al. **Annu Rev Physiol** 1991;53:509–30 (100 ref.)
Physiology of epithelial transport today. Katz U. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec;1(1–4):337–8 (8 ref.)
The polymeric immunoglobulin receptor. A model protein to study transcytosis. Apodaca G, et al. **J Clin Invest** 1991 Jun;87(6):1877–82 (42 ref.)
Chloride transport by high–resistance heterocellular epithelia. Larsen EH. **Physiol Rev** 1991 Jan;71(1):235–83 (346 ref.)
Non–ligand–activated chloride channels of skeletal muscle and epithelia. Vaughan PC, et al. **Prog Biophys Mol Biol** 1989;54(1):59–79 (87 ref.)

PHYSIOLOGY

Stromal regulation of epithelial function. Donjacour AA, et al. **Cancer Treat Res** 1991;53:335–64 (226 ref.)
Generation and maintenance of epithelial cell polarity. Gumbiner B. **Curr Opin Cell Biol** 1990 Oct;2(5):881–7 (21 ref.)
Epithelial transport: an introduction. Ullrich KJ. **Methods Enzymol** 1990;191:1–4 (0 ref.)

ULTRASTRUCTURE

Polarity signals. Hopkins CR. **Cell** 1991 Sep 6;66(5):827–9 (30 ref.)

EPITHELIUM, ANTERIOR CHAMBER see **ENDOTHELIUM, CORNEAL**

EPITHELIUM, RETINAL PIGMENT see **PIGMENT EPITHELIUM OF EYE**

EPITOPES see **ANTIGENIC DETERMINANTS**

EPITOPES, IMMUNODOMINANT see **IMMUNODOMINANT EPITOPES**

EPOPROSTENOL

Prostacyclin and prostaglandin E1: molecular mechanisms and therapeutic utility. Kerins DM, et al. **Prog Hemost Thromb** 1991;10:307–37 (186 ref.)

ADMINISTRATION & DOSAGE

Intravenous prostacyclin in thrombotic thrombocytopenic purpura: case report and review of the literature. Tardy B, et al. **J Intern Med** 1991 Sep;230(3):279–82 (18 ref.)

ANALOGS & DERIVATIVES

Effects of prostacyclin analogues in in vivo tumor models. Schneider MR, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:901–8 (11 ref.)

BIOSYNTHESIS

Effects of non–steroidal anti–inflammatory drugs on the in vivo synthesis of thromboxane and prostacyclin in humans. Drvota V, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21A:153–6 (15 ref.)
Activation of thromboxane and prostacyclin biosynthesis in humans. Gréen K, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:607–10 (19 ref.)
Drug interactions with the in vivo synthesis of thromboxane and prostacyclin. Gréen K, et al. **Drug Metabol Drug Interact** 1989;7(4):321–50 (94 ref.)
Prostacyclin and vascular function: implications for hypertension and atherosclerosis. Dusting GJ, et al. **Pharmacol Ther** 1990;48(3):323–44 (259 ref.)
[Vasoactive factors of endothelial origin] Levesque H, et al. **J Mal Vasc** 1990;15(4):393–8 (53 ref.) (Eng. Abstr.) **(Fre)**

BLOOD

Acetylsalicylic acid and the balance between prostacyclin and thromboxane A2. Viinikka L. **Scand J Clin Lab Invest Suppl** 1990;201:103–8 (36 ref.)

METABOLISM

Endothelins: potent releasers of prostacyclin and EDRF. Botting RM, et al. **Pol J Pharmacol Pharm** 1990 May–Jun; 42(3):203–18 (27 ref.)

PHARMACOLOGY

Mode of action of PGI2 and of its stable derivative iloprost on platelets and leukocytes. Tremoli E, et al. **Thromb Res Suppl** 1990;11:33–42 (57 ref.)

PHYSIOLOGY

Mediators from the endothelial cell. Vane JR, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:627–36 (66 ref.)
Prostacyclin, thromboxane A2, and hypertension. Zhao WG, et al. **Clin Invest Med** 1990 Dec;13(6):343–52 (122 ref.)
Prostacyclin in hypertension. Frölich JC. **J Hypertens Suppl** 1990 Sep;8(4):S73–8 (73 ref.)
Endothelium–derived vasoactive substances and uterine blood vessels. Magness RR. **Semin Perinatol** 1991 Feb; 15(1):68–78 (66 ref.)
Endothelium–derived vasoactive factors and the control of the circulation. Vane JR, et al. **Semin Perinatol** 1991 Feb; 15(1):4–10 (76 ref.)
Relationship between prostacyclin and nitric oxide in the thrombotic process. Moncada S, et al. **Thromb Res Suppl** 1990;11:3–13 (47 ref.)
[Endothelial mediators regulating vascular tonus] Gris JC, et al. **Presse Med** 1991 Feb 23;20(7):303–8 (23 ref.) (Eng. Abstr.) **(Fre)**

SECRETION

Generation and transmission of vasoactive and antiaggregatory signals by the endothelium. Bassenge E, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:434–40 (26 ref.)

EPOXIDE HYDRASES see **EPOXIDE HYDROLASES**

EPOXIDE HYDRATASES see **EPOXIDE HYDROLASES**

EPOXIDE HYDROLASES

METABOLISM

Drug metabolizing enzymes in the brain and cerebral microvessels. Minn A, et al. **Brain Res Brain Res Rev** 1991 Jan–Apr;16(1):65–82 (182 ref.)

EPOXIDES see **EPOXY COMPOUNDS**

EPOXY COMPOUNDS

METABOLISM

Covalent bonding of bay–region diol epoxides to nucleic acids. Jerina DM, et al. **Adv Exp Med Biol** 1991;283:533–53 (78 ref.)
Naturally occurring cyclohexene epoxides revisited. Mahidol C. **Ciba Found Symp** 1990;154:66–73; discussion 74–7 (15 ref.)

TOXICITY

The genetic toxicology of styrene and styrene oxide. Barale R. **Mutat Res** 1991 Mar;257(2):107–26 (122 ref.)

EPOXYTRICHOTHECENES see **TRICHOTHECENES**

EPSTEIN–BARR VIRUS

see related
FATIGUE SYNDROME, CHRONIC

Epstein–Barr virus, Burkitt's lymphoma, and an African tumor promoter. Osato T, et al. **Adv Exp Med Biol** 1990; 278:147–50 (18 ref.)
Viral oncogenesis: Epstein–Barr virus. Gaffey MJ, et al. **Am J Otolaryngol** 1990 Nov–Dec;11(6):375–81 (61 ref.)
The nature of Hodgkin and Reed–Sternberg cells, their association with EBV, and their relationship to anaplastic large–cell lymphoma. Stein H, et al. **Ann Oncol** 1991 Feb; 2 Suppl 2:33–8 (36 ref.)
Severe chronic active Epstein–Barr virus infection syndrome. Okano M, et al. **Clin Microbiol Rev** 1991 Jan;4(1):129–35 (33 ref.)
Other virus infections in AIDS. III. Epstein–Barr virus. Lennette ET. **Immunol Ser** 1989;44:554–64 (43 ref.)
Epstein–Barr virus lymphoproliferative disease associated with acquired immunodeficiency. Cohen JI. **Medicine (Baltimore)** 1991 Mar;70(2):137–60 (139 ref.)
[An adult case of virus–associated hemophagocytic syndrome (VHAS) and a review of this syndrome in adults in Japan] Yoshimura N, et al. **Kansenshogaku Zasshi** 1991 Apr; 65(4):472–6 (12 ref.) (Eng. Abstr.) **(Jpn)**
[A case of facial diplegia due to EB virus infection] Matsushima K, et al. **Rinsho Shinkeigaku** 1990 Sep; 30(9):1013–6 (10 ref.) (Eng. Abstr.) **(Jpn)**
[Intrauterine infections caused by other "less common" viruses: human B19 parvovirus and Epstein–Barr virus] Moya Benavent M, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 43:96–103 (49 ref.) **(Spa)**

GENETICS

The oncogenic potential of Epstein–Barr virus. Lam KM, et al. **Crit Rev Oncog** 1991;2(3):229–45 (213 ref.)

IMMUNOLOGY

Epstein–Barr virus and its antigens. Raab–Traub N, et al. **Immunol Ser** 1989;43:477–98 (73 ref.)
Serologic and immunologic responses in chronic fatigue syndrome with emphasis on the Epstein–Barr virus. Jones JF. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S26–31 (26 ref.)
Antibodies to Epstein–Barr virus in patients with chronic fatigue. Matthews DA, et al. **South Med J** 1991 Jul; 84(7):832–40 (71 ref.)
Ocular disease associated with Epstein–Barr virus infection. Matoba AY. **Surv Ophthalmol** 1990 Sep–Oct;35(2):145–50 (59 ref.)

ISOLATION & PURIFICATION

Detection of Epstein–Barr virus with molecular hybridization techniques. Pagano JS. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S123–8 (17 ref.)
Serologic and virologic epidemiology of Epstein–Barr virus: relevance to chronic fatigue syndrome. Sumaya CV. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S19–25 (39 ref.)
B–cell lymphoma in organ transplant recipients. Thomas JA, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):221–32 (58 ref.)

PATHOGENICITY

Immune deficiency as a risk factor in Epstein–Barr virus–induced malignant diseases. Purtilo DT, et al. **Environ Health Perspect** 1990 Aug;88:225–30 (46 ref.)

PHYSIOLOGY

Autocrine regulation of normal and malignant B lymphocytes. Gordon J, et al. **Adv Cancer Res** 1991; 56:313–34 (83 ref.)
On the biology of Epstein–Barr virus persistence: a reappraisal. Rickinson AB. **Adv Exp Med Biol** 1990; 278:137–46 (45 ref.)

EPSTEIN–BARR VIRUS SYNDROME, CHRONIC see **FATIGUE SYNDROME, CHRONIC**

EPSTEIN–BARR VIRUS TRANS–ACTING FACTOR see **TRANS–ACTIVATORS**

EPULIS, GIANT CELL see **GRANULOMA, GIANT CELL**

EQUILIBRIUM

Changes in alpha motoneuron excitability of the soleus muscle in relation to vestibular stimulation assessed by angular acceleration in man. Scarpini C, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(2):100–5 (35 ref.)

DRUG EFFECTS

Behavioral and neurochemical studies in diazepam–sensitive and –resistant mice. Gallaher EJ, et al. **J Addict Dis** 1991; 10(1–2):45–60 (29 ref.)

PHYSIOLOGY

Posture in otoneurology. Volume I. Norré ME. **Acta Otorhinolaryngol Belg** 1990;44(2):55–181 (0 ref.)
Control of voluntary trunk movements in man. Mechanisms for postural equilibrium during standing. Oddsson LI. **Acta Physiol Scand Suppl** 1990;595:1–60 (290 ref.)
[Dynamic balance in the prevention of growth disorders] Martini G, et al. **Clin Ter** 1990 Jun 30;133(6):405–11 (20 ref.) (Eng. Abstr.) **(Ita)**

EQUINE ARTERITIS VIRUS see **INFECTIOUS ARTERITIS VIRUS, EQUINE**

EQUINE INFECTIOUS ANEMIA

IMMUNOLOGY

Immunopathogenesis of equine infectious anemia lentivirus

EQUINE INFECTIOUS ANEMIA

disease. McGuire TC, et al. **Dev Biol Stand** 1990;72:31-7 (42 ref.)
Characterization of EIAV immunogenicity during persistent infections: humoral responses and antigen targets. Montelaro RC, et al. **Dev Biol Stand** 1990;72:19-30 (17 ref.)

PREVENTION & CONTROL

Equine infectious anemia: prospects for control. Issel CJ, et al. **Dev Biol Stand** 1990;72:49-57 (25 ref.)

EQUINE INFECTIOUS ANEMIA VIRUS

GENETICS

Studies on the regulation and pattern of expression of the equine infectious anemia virus genome. Yaniv A, et al. **Dev Biol Stand** 1990;72:59-73 (25 ref.)

IMMUNOLOGY

Equine infectious anemia: prospects for control. Issel CJ, et al. **Dev Biol Stand** 1990;72:49-57 (25 ref.)
Immunopathogenesis of equine infectious anemia lentivirus disease. McGuire TC, et al. **Dev Biol Stand** 1990;72:31-7 (42 ref.)
Characterization of EIAV immunogenicity during persistent infections: humoral responses and antigen targets. Montelaro RC, et al. **Dev Biol Stand** 1990;72:19-30 (17 ref.)

EQUINE INFLUENZA VIRUS see **ORTHOMYXOVIRUSES TYPE A**

EQUINUS CONTRACTURE see **EQUINUS DEFORMITY**

EQUINUS DEFORMITY

SURGERY

Surgery of the Achilles tendon and posterior muscle group. Feehery RV Jr. **Clin Podiatr Med Surg** 1991 Jul;8(3):513-42 (14 ref.)

EQUIPMENT AND SUPPLIES

Principles of interfacing computers to medical equipment. Francis JL, et al. **Baillieres Clin Obstet Gynaecol** 1990 Dec; 4(4):787-95 (0 ref.)
Biliary intervention—technique and devices: a commentary. Coons H. **Cardiovasc Intervent Radiol** 1990 Aug-Sep; 13(4):211-6 (12 ref.)
Instrumentation and control in intensive care. Bushman JA. **Clin Phys Physiol Meas** 1990 Nov;11(4):269-96 (43 ref.)
MR imaging and biomedical implants, materials, and devices: an updated review. Shellock FG, et al. **Radiology** 1991 Aug; 180(2):541-50 (60 ref.)

ECONOMICS

An economic and antitrust analysis of the distribution of medical products. Celnicker AC. **Am J Law Med** 1990; 16(4):499-523 (98 ref.)

SUPPLY & DISTRIBUTION

An economic and antitrust analysis of the distribution of medical products. Celnicker AC. **Am J Law Med** 1990; 16(4):499-523 (98 ref.)

EQUIPMENT AND SUPPLIES, HOSPITAL

What standards should we use for the disinfection of large equipment? Miles RS. **J Hosp Infect** 1991 Jun;18 Suppl A:264-73 (27 ref.)

EQUIPMENT CONTAMINATION

AIDS: practising safe endoscopy. Hanson PJ. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):477-94 (82 ref.)
[Catheter sepsis: pathogeny and prevention with a new connection model] Segura M, et al. **Nutr Hosp** 1990 May-Jun;5(3):172-4 (17 ref.) (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Disinfection of endoscopic equipment. Axon AT. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):61-77 (42 ref.)
[Hygiene barriers in the hospital—instrumentation aspects] Sonntag HG. **Zentralbl Hyg Umweltmed** 1991 Mar; 191(2-3):171-81 (3 ref.) (Eng. Abstr.) **(Ger)**

STATISTICS & NUMERICAL DATA

Viral transmission and fibreoptic endoscopy. Hanson PJ, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:136-40 (28 ref.)

EQUIPMENT DESIGN

see related
DENTURE DESIGN
PROSTHESIS DESIGN

EQUIPMENT, MEDICAL, DURABLE see **DURABLE MEDICAL EQUIPMENT**

EQUIVALENCY, THERAPEUTIC see **THERAPEUTIC EQUIVALENCY**

ERABUTOXINS

CHEMISTRY

Three-dimensional structures of proteins determined by two-dimensional NMR and distance geometry calculations. Inagaki F. **Cell Struct Funct** 1990 Oct;15(5):237-43 (15 ref.)

ERCP see **CHOLANGIOPANCREATOGRAPHY, ENDOSCOPIC RETROGRADE**

EREMOTHECIUM see **ENDOMYCETALES**

ERGASTOPLASM see **ENDOPLASMIC RETICULUM**

ERGONOMICS see **HUMAN ENGINEERING**

ERGOSTEROL

ANTAGONISTS & INHIBITORS

Biochemical basis for the activity and selectivity of oral antifungal drugs. Vanden Bossche H, et al. **Br J Clin Pract Symp Suppl** 1990 Sep;71:41-6 (16 ref.)

ERGOTAMINE

ADVERSE EFFECTS

[Headache caused by analgesic and/or ergotamine abuse] Panconesi A, et al. **Clin Ter** 1991 May 15;137(3):169-83 (66 ref.) (Eng. Abstr.) **(Ita)**

ERGOTAMINE DERIVATIVES

ADVERSE EFFECTS

Saint Anthony's fire revisited. Vascular problems associated with migraine medication. Magee R. **Med J Aust** 1991 Jan 21;154(2):145-9 (21 ref.)

ERGOTISM

ETIOLOGY

Saint Anthony's fire revisited. Vascular problems associated with migraine medication. Magee R. **Med J Aust** 1991 Jan 21;154(2):145-9 (21 ref.)

EROTICA

Obscenity and social harm: a contested terrain. Brannigan A. **Int J Law Psychiatry** 1991;14(1-2):1-12 (60 ref.)

PSYCHOLOGY

Pornography, erotica, and behavior: more questions than answers. Fisher WA, et al. **Int J Law Psychiatry** 1991; 14(1-2):65-83 (100 ref.)
Pornography and/as degradation. Jarvie I. **Int J Law Psychiatry** 1991;14(1-2):13-27 (35 ref.)

ERUCTATION

PHYSIOPATHOLOGY

[Digestive gas: pathophysiology and therapeutic approach in functional bowel disorders] Cloarec D, et al. **Gastroenterol Clin Biol** 1990;14(8-9):641-50 (120 ref.) **(Fre)**

ERYSIPELAS

Erysipelas. Chartier C, et al. **Int J Dermatol** 1990 Sep; 29(7):459-67 (58 ref.)

ERYSIPELOTHRIX INFECTIONS

[Endocarditis caused cy Erysipelothrix rhusiopathiae. Study of 2 cases and review of the literature] Azofra J, et al. **Enferm Infecc Microbiol Clin** 1991 Feb;9(2):102-5 (25 ref.) (Eng. Abstr.) **(Spa)**

ERYTHEMA

Unilateral erythromelanosis follicularis faciei et colli in a young girl. McGillis ST, et al. **J Am Acad Dermatol** 1991 Aug;25(2 Pt 2):430-2 (10 ref.)

CHEMICALLY INDUCED

Chemotherapy-induced acral erythema. Baack BR, et al. **J Am Acad Dermatol** 1991 Mar;24(3):457-61 (24 ref.)

DIAGNOSIS

[Infection with parvovirus B19: typical course of erythema infectiosum and its complications] Kirchesch H. **Z Hautkr** 1990 Nov;65(11):1007-10 (33 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Acitretin in the treatment of erythrokeratodermia variabilis. van de Kerkhof PC, et al. **Dermatologica** 1990;181(4):330-3 (23 ref.)

MICROBIOLOGY

Erythema infectiosum and pregnancy-related complications [see comments] Levy M, et al. **Can Med Assoc J** 1990 Nov 1;143(9):849-58 (132 ref.) Comment in: Can Med Assoc J 1991 Jan 15;144(2):122.

PATHOLOGY

Unilateral facial actinic elastotic plaque--a new clinical variant of actinic elastosis. Wittal RA, et al. **Australas J Dermatol** 1989;30(1):15-22 (38 ref.)
[Gammel's non-paraneoplastic erythema gyratum repens] Bazex J, et al. **Ann Dermatol Venereol** 1991;118(6-7):469 (5 ref.) **(Fre)**

PHYSIOPATHOLOGY

[Induced inflammation in human normal skin. II. Techniques of objective evaluation] Duteil L, et al. **Ann Dermatol Venereol** 1991;118(4):339-46 (49 ref.) **(Fre)**

ERYTHEMA CHRONICUM MIGRANS

BLOOD

[Anti-Borrelia burgdorferi antibodies in chronic erythema migrans, benign lymphadenosis cutis, scleroderma and scleroatrophic lichen] Afa G, et al. **G Ital Dermatol Venereol** 1990 Sep;125(9):369-73 (48 ref.) (Eng. Abstr.) **(Ita)**

MICROBIOLOGY

[Skin manifestations of infection by Borrelia burgdorferi] Soria C, et al. **Enferm Infecc Microbiol Clin** 1990 Jan; 8(1):36-42 (60 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Dermatologic aspects of tick bites and tick-transmitted diseases. Merchant SR, et al. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):145-55 (33 ref.)

ERYTHEMA INDURATUM

DIAGNOSIS

[Bazin's erythema induratum: obsolete concept and terminology] Cribier B, et al. **Ann Dermatol Venereol** 1990; 117(12):937-43 (52 ref.) (Eng. Abstr.) **(Fre)**

ERYTHEMA MULTIFORME

see related
REITER'S DISEASE

DIAGNOSIS

Allergic and reactive dermatoses. How to identify and treat them [published erratum appears in Postgrad Med 1991 Aug;90(2):54] Pariser RJ. **Postgrad Med** 1991 Jun; 89(8):75-80, 85 (9 ref.)

DRUG THERAPY

Therapy and prevention of erythema multiforme with acyclovir. Huff JC. **Semin Dermatol** 1988 Sep;7(3):212-7 (40 ref.)

IMMUNOLOGY

Immunologic mechanisms of erythema multiforme. Huff JC. **Immunol Ser** 1989;46:387-402 (47 ref.)

ERYTHEMA NODOSUM

CHEMICALLY INDUCED

Erythema nodosum, estrogens, and pregnancy. Bartelsmeyer JA, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):777-81 (19 ref.)

COMPLICATIONS

Erythema nodosum and Hodgkin's disease. Taillan B, et al. **Clin Rheumatol** 1990 Sep;9(3):397-8 (6 ref.)

PATHOLOGY

Cutaneous vasculitis, hypersensitivity vasculitis, erythema nodosum, and pyoderma gangrenosum. Calabrese LH. **Curr Opin Rheumatol** 1991 Feb;3(1):23-7 (18 ref.)
Cutaneous vasculitis, hypersensitivity vasculitis, erythema nodosum, and pyoderma gangrenosum. Calabrese LH. **Curr Opin Rheumatol** 1990 Feb;2(1):66-9 (10 ref.)

ERYTHERMALGIA see **ERYTHROMELALGIA**

ERYTHREDEMA POLYNEUROPATHY see **ACRODYNIA**

ERYTHREMIC MYELOSIS see **LEUKEMIA, ERYTHROBLASTIC, ACUTE**

ERYTHRINA

Erythrina and related alkaloids. Chawla AS, et al. **Nat Prod Rep** 1990 Dec;7(6):565–75 (36 ref.)

ERYTHROBLASTIC LEUKEMIA, ACUTE see **LEUKEMIA, ERYTHROBLASTIC, ACUTE**

ERYTHROBLASTOSIS, FETAL

see related
JAUNDICE, NEONATAL

DIAGNOSIS

[Modern diagnosis and therapy of fetomaternal blood group incompatibility] Vetter K, et al. **Arch Gynecol Obstet** 1990; 247 Suppl:S25–35 (52 ref.) **(Ger)**

ETIOLOGY

Hemolytic disease of the newborn caused by anti–Jkb [letter] Merlob P, et al. **Pediatr Hematol Oncol** 1987;4(4):357–60 (7 ref.)

IMMUNOLOGY

Haemolytic disease of two newborns in a Rhesus anti–e alloimmunized woman. Review of literature. Moncharmont P, et al. **Haematologia (Budap)** 1990;23(2):97–100 (8 ref.)

PATHOLOGY

[Pathology of the placenta. IV. Maturation disorders of the placenta under special clinical conditions] Emmrich P. **Zentralbl Pathol** 1991;137(1):2–13 (22 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Antenatal suppression of Rh alloimmunization. Bowman JM. **Clin Obstet Gynecol** 1991 Jun;34(2):296–303 (29 ref.)
Rhesus immunization: new perspectives in maternal–fetal medicine. Stangenberg M, et al. **Obstet Gynecol Surv** 1991 Apr;46(4):189–95 (88 ref.)

THERAPY

New approaches in the treatment of haemolytic disease of the fetus. Tannirandorn Y, et al.
Baillieres Clin Haematol 1990 Apr;3(2):289–320 (98 ref.)
Management of immune haemolytic disease in the fetus. Tannirandorn Y, et al. **Blood Rev** 1991 Mar;5(1):1–14 (79 ref.)

ERYTHROBLASTS

[Acquired erythroblastopenia] Varet B, et al.
Rev Med Interne 1989 Nov–Dec;10(6):537–40 (69 ref.) **(Fre)**

CYTOLOGY

Theoretical considerations on cell ensembles. Mel HC.
Blood Cells 1991;17(1):15–25; discussion 25–7 (18 ref.)

METABOLISM

The erythroblastic island: exocytosis of erythroblast ferritin during erythropoiesis. Pollycove M. **Blood Cells** 1991; 17(1):147–53 (19 ref.)

PHYSIOLOGY

Further considerations on erythroblastic endocytosis and exocytosis. 1. Arguments in favor of the concept that visualized ferritin is ferritin undergoing endocytosis rather than excretion in erythroblasts. Breton–Gorius J.
Blood Cells 1991;17(1):153–5 (16 ref.)
Adhesion receptors involved in the erythroblastic island. Crocker PR, et al. **Blood Cells** 1991;17(1):83–91; discussion 91–6 (22 ref.)

ERYTHROCYTE AGING

IMMUNOLOGY

Drosophila to bacteriophage to erythrocyte: the erythrocyte as a model for molecular and membrane aging of terminally differentiated cells. Kay MM. **Gerontology** 1991; 37(1–3):5–32 (114 ref.)

PHYSIOLOGY

Erythrocyte aging: physical and chemical membrane changes. Bartosz G. **Gerontology** 1991;37(1–3):33–67 (248 ref.)
Effect of cell–bound proteins on the in vivo survival of circulating blood cells. Garratty G. **Gerontology** 1991; 37(1–3):68–94 (119 ref.)

ERYTHROCYTE APLASIA see **RED CELL APLASIA, PURE**

ERYTHROCYTE BURST–PROMOTING FACTOR see **INTERLEUKIN–3**

ERYTHROCYTE COUNT

Automated red cell analysis. Thom R.
Baillieres Clin Haematol 1990 Oct;3(4):837–50 (5 ref.)

ERYTHROCYTE DEFORMABILITY

An EPR study on erythrocyte deformability. Noji S, et al. **Prog Biophys Mol Biol** 1991;55(2):85–105 (61 ref.)

PHYSIOLOGY

Red cell deformability and haematological disorders. Stuart J, et al. **Blood Rev** 1990 Sep;4(3):141–7 (56 ref.)

ERYTHROCYTE FILTERABILITY see **ERYTHROCYTE DEFORMABILITY**

ERYTHROCYTE GHOST see **ERYTHROCYTE MEMBRANE**

ERYTHROCYTE HEMOGLOBIN, MEAN CELL see **ERYTHROCYTE INDICES**

ERYTHROCYTE INDICES

[Plasma and erythrocyte changes produced after running a marathon] Rubio de Val A, et al. **Sangre (Barc)** 1991 Apr; 36(2):123–7 (67 ref.) **(Spa)**

ERYTHROCYTE MEMBRANE

[The red blood cell membrane skeleton and hereditary hemolytic anemias caused by its abnormalities] Lahav M, et al. **Harefuah** 1991 Feb 15;120(4):195–9 (46 ref.) **(Heb)**

CHEMISTRY

Erythrocyte membrane protein deficiencies in paroxysmal nocturnal hemoglobinuria. Schultz DR. **Am J Med** 1989 Sep;87(3N):22N–29N (94 ref.)
Clinical and molecular aspects of disorders of the erythrocyte membrane skeleton. Gallagher PG, et al.
Semin Perinatol 1990 Oct;14(5):351–67 (178 ref.)

ENZYMOLOGY

The erythroenzymopathies. With particular reference to glucose–6–phosphate dehydrogenase deficiency and favism. Carcassi U, et al. **Ann Ital Med Int** 1988;3 Suppl 1:23–30 (20 ref.)

IMMUNOLOGY

[Current theories on the pathogenesis and treatment of nocturnal paroxysmal hemoglobinuria (NPH)] Robak T. **Przegl Lek** 1990;47(11):763–6 (0 ref.) **(Pol)**

METABOLISM

Abnormalities of the erythrocyte membrane in chronic myelogenous leukemia. Basu J, et al.
Biotechnol Appl Biochem 1990 Oct;12(5):501–5 (40 ref.)
Vesicle–mediated transport of membrane and proteins in malaria–infected erythrocytes [see comments] Barnwell JW. **Blood Cells** 1990;16(2–3):379–95 (80 ref.) Comment in: Blood Cells 1990;16(2–3):396–400.
Typology of Na+ transport abnormalities in erythrocytes from essential hypertensive patients. A first step towards the diagnosis and specific treatment of different forms of primary hypertension. Garay R. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:373–8 (25 ref.)
Membrane transport of ions in hypertension. Swales JD.
Cardiovasc Drugs Ther 1990 Mar;4 Suppl 2:367–72 (49 ref.)
Membrane–associated cytoskeleton and transbilayer phospholipid asymmetry. Gupta CM.
Indian J Biochem Biophys 1990 Dec;27(6):365–7 (41 ref.)
Genetics of the red cell membrane skeleton. Palek J, et al.
Semin Hematol 1990 Oct;27(4):290–332 (368 ref.)
Comparative properties of erythrocyte calcium–transporting enzyme in different mammalian species. Bababunmi EA, et al. **World Rev Nutr Diet** 1991;64:109–38 (83 ref.)

PARASITOLOGY

Properties of permeation pathways induced in the human red cell membrane by malaria parasites [see comments] Cabantchik ZI. **Blood Cells** 1990;16(2–3):421–32 (27 ref.) Comment in: Blood Cells 1990;16(2–3):433–6.
Structure and possible function of Plasmodium falciparum proteins exported to the erythrocyte membrane. Knapp B, et al. **Parasitol Res** 1991;77(4):277–82 (43 ref.)

PHYSIOLOGY

Differential reactivity of bovine coronavirus (BCV) and influenza C virus with N–acetyl–9–O–acetylneuraminic acid (Neu5,9Ac2)–containing receptors. Schultze B, et al. **Adv Exp Med Biol** 1990;276:115–9 (9 ref.)
Molecular basis of red cell membrane rheology. Part 1. Chien S, et al. **Biorheology** 1990;27(3–4):327–44 (96 ref.)
Beyond hemoglobin polymerization: the red blood cell membrane and sickle disease pathophysiology. Hebbel RP. **Blood** 1991 Jan 15;77(2):214–37 (313 ref.)
The membrane skeleton of erythrocytes: models of its effect on lateral diffusion. Saxton MJ. **Int J Biochem** 1990; 22(8):801–9 (68 ref.)
[Calcium and arterial hypertension] Drzhevetskiĭ IuM. **Sov Med** 1991;(3):34–6 (38 ref.) **(Rus)**

ULTRASTRUCTURE

Crystal–induced inflammation: studies of the mechanism of crystal–membrane interactions. Burt HM, et al.
Scanning Microsc 1991 Mar;5(1):273–9; discussion 279–80 (45 ref.)

ERYTHROCYTE MEMBRANE BAND 3 PROTEIN see **BAND 3 PROTEIN**

ERYTHROCYTE NUMBER see **ERYTHROCYTE COUNT**

ERYTHROCYTE SEDIMENTATION see **BLOOD SEDIMENTATION**

ERYTHROCYTE SIALOGLYCOPROTEIN see **GLYCOPHORIN**

ERYTHROCYTE SIZE DETERMINATION see **ERYTHROCYTE INDICES**

ERYTHROCYTE SUBSTITUTES see **BLOOD SUBSTITUTES**

ERYTHROCYTE VOLUME, MEAN CELL see **ERYTHROCYTE INDICES**

ERYTHROCYTE VOLUME, PACKED see **HEMATOCRIT**

ERYTHROCYTES

CHEMISTRY

The spectrin skeleton: from red cells to brain. Bennett V, et al. **J Clin Invest** 1991 May;87(5):1483–9 (75 ref.)
Biochemistry of the erythrocyte Rh polypeptides: a review. Agre P, et al. **Yale J Biol Med** 1990 Sep–Oct;63(5):461–7 (35 ref.)
[Usefulness of the determination of free erythrocyte protoporphyrin in relation to other hematologic parameters in iron deficiency] García–Cubillana de la Cruz JM, et al. **An Esp Pediatr** 1990 Aug;33(2):129–34 (33 ref.) (Eng. Abstr.) **(Spa)**

CYTOLOGY

Automated red cell analysis. Thom R.
Baillieres Clin Haematol 1990 Oct;3(4):837–50 (5 ref.)

DRUG EFFECTS

Mechanisms of oxidant–induced changes in erythrocytes. Hatherill JR, et al. **Agents Actions** 1991 Mar;32(3–4):351–8 (75 ref.)

ENZYMOLOGY

Adenylate cyclase system of differentiating erythroid cells. Setchenska MS. **Acta Physiol Pharmacol Bulg** 1990; 16(2):3–10 (30 ref.)
A logical approach to the investigation of red cell enzymopathies. Lestas AN, et al. **Blood Rev** 1990 Sep; 4(3):148–57 (56 ref.)
Red blood cell enzymes in the diagnosis of genetic disease. van der Heiden C. **Clin Biochem** 1990 Oct;23(5):417–22 (46 ref.)
Red cell enzyme defects. Beutler E. **Hematol Pathol** 1990; 4(3):103–14 (146 ref.)
Acid phosphatase, adenosine deaminase and esterase D polymorphisms in the Spanish Basque population. Aguirre AI, et al. **Hum Hered** 1991;41(2):93–102 (50 ref.)
The red cell Na/K pump reaction cycle: ligand signal sites and Na coupled anion transport. Hoffman JF, et al.
Soc Gen Physiol Ser 1991;46:281–8 (24 ref.)
[Hemolytic anemias caused by erythrocyte enzyme disorders] Maldonado Martín A, et al. **An Med Interna** 1989 May; 6(5):266–73 (46 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Psychogenic purpura (autoerythrocyte sensitization): an unsolved dilemma. Ratnoff OD. **Am J Med** 1989 Sep; 87(3N):16N–21N (48 ref.)
ADCC and other cellular bioassays for predicting the clinical significance of red cell alloantibodies. Engelfriet CP, et al. **Baillieres Clin Haematol** 1990 Apr;3(2):321–37 (40 ref.)
Rosetting, phagocytosis and immune red cell damage. Zupańska B. **Clin Lab Haematol** 1990;12(3):309–20 (39 ref.)
The nature and abundance of human red cell surface glycoproteins. Anstee DJ. **J Immunogenet** 1990 Aug–Oct; 17(4–5):219–25 (22 ref.)
The pathobiology of red cell cryptantigen exposure. Novak RW. **Pediatr Pathol** 1990;10(6):867–75 (33 ref.)
Red cell antibodies arising from solid organ transplants. Ramsey G. **Transfusion** 1991 Jan;31(1):76–86 (87 ref.)

METABOLISM

Biochemical properties of a P2Y–purinergic receptor. Harden TK, et al. **Ann N Y Acad Sci** 1990;603:256–66 (37 ref.)
Fate of alpha–hemoglobin chains and erythrocyte defects in

beta-thalassemia. Rouyer-Fessard P, et al. **Ann N Y Acad Sci** 1990;612:106-17 (52 ref.)
Effective transfer of membrane proteins from intact cells to liposomes and preparation of liposomal vaccines. Sunamoto J, et al. **Ann N Y Acad Sci** 1990;613:116-27 (22 ref.)
Red blood cell insulin receptors in health and disease. Gambhir KK, et al. **Biochem Med Metab Biol** 1991 Apr; 45(2):133-53 (176 ref.)
Is the erythrocyte sodium-lithium countertransport a molecular marker of cardiac risk in hypertension? Diez J, et al. **Cardioscience** 1991 Jun;2(2):87-92 (58 ref.)
Erythrocyte concentrations and transmembrane fluxes of sodium and potassium in essential hypertension: role of intrinsic and environmental factors. Lijnen P, et al. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:321-33 (113 ref.)
Calcium homeostasis of human erythrocytes and its pathophysiological implications. Engelmann B. **Klin Wochenschr** 1991 Feb 26;69(4):137-42 (54 ref.)
Interaction of receptors for prostaglandin E1/prostacyclin and insulin in human erythrocytes and platelets. Dutta-Roy AK, et al. **Life Sci** 1991;49(16):1129-39 (109 ref.)
[Na-K-Cl cotransport system in red blood cells] Jin Y. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):43-7 (30 ref.) **(Chi)**
[Red blood cells as carrier systems for drugs] Hellwig U. **Pharmazie** 1990 Nov;45(11):824-6 (70 ref.) **(Ger)**
[Expression and extracellular release of transferrin receptors on erythropoiesis] Kohgo Y, et al. **Rinsho Ketsueki** 1991 Jun;32(6):580-6 (17 ref.) (Eng. Abstr.) **(Jpn)**

PARASITOLOGY

The Dactylosomatidae. Barta JR. **Adv Parasitol** 1991;30:1-37 (82 ref.)
Ultrastructure of malaria-infected erythrocytes [see comments] Atkinson CT, et al. **Blood Cells** 1990; 16(2-3):351-68 (58 ref.) Comment in: Blood Cells 1990;16(2-3):369-78.
The ultrastructure of red cell invasion in malaria infections: a review. Bannister LH, et al. **Blood Cells** 1990; 16(2-3):257-92; discussion 293-7 (122 ref.)
Vesicle-mediated transport of membrane and proteins in malaria-infected erythrocytes [see comments] Barnwell JW. **Blood Cells** 1990;16(2-3):379-95 (80 ref.) Comment in: Blood Cells 1990;16(2-3):396-400.
Purines and pyrimidines in malarial parasites. Gero AM, et al. **Blood Cells** 1990;16(2-3):467-84; discussion 485-98 (75 ref.)
Some reflections concerning host erythrocyte-malarial parasite interrelationships. Ginsburg H. **Blood Cells** 1990; 16(2-3):225-35 (46 ref.)
Cytoadherence of malaria-infected erythrocytes [see comments] Hommel M. **Blood Cells** 1990;16(2-3):605-19 (57 ref.) Comment in: Blood Cells 1990;16(2-3):620-8.
Oxidative stress and the redox status of malaria-infected erythrocytes. Hunt NH, et al. **Blood Cells** 1990; 16(2-3):499-526; discussion 527-30 (185 ref.)
Plasmodium falciparum carbohydrate metabolism: a connection between host cell and parasite. Roth E Jr. **Blood Cells** 1990;16(2-3):453-60; discussion 461-6 (30 ref.)
Proteases in malaria-infected red blood cells. Schrével J, et al. **Blood Cells** 1990;16(2-3):563-84; discussion 585-90 (113 ref.)
Ion metabolism in malaria-infected erythrocytes [see comments] Tanabe K. **Blood Cells** 1990;16(2-3):437-49 (61 ref.) Comment in: Blood Cells 1990;16(2-3):450-1.
Biosynthesis and dynamics of lipids in Plasmodium-infected mature mammalian erythrocytes. Vial HJ, et al. **Blood Cells** 1990;16(2-3):531-55; discussion 556-61 (122 ref.)
Biochemistry of red cell invasion. Wilson RJ. **Blood Cells** 1990;16(2-3):237-52; discussion 253-6 (103 ref.)

PATHOLOGY

Red cell volume-related ion transport systems in hemoglobinopathies. Canessa M. **Hematol Oncol Clin North Am** 1991 Jun;5(3):495-516 (93 ref.)
[Erythrocyturia and its mechanisms in kidney glomerular diseases] Dudar IO. **Vrach Delo** 1991 Apr;(4):21-6 (49 ref.) **(Ukr)**

PHYSIOLOGY

Covalent inhibitors of the gelation of sickle cell hemoglobin and their effects on function. Manning JM. **Adv Enzymol Relat Areas Mol Biol** 1991;64:55-91 (155 ref.)
Release of ATP from heart. Presentation of a release model using human erythrocyte. Forrester T. **Ann N Y Acad Sci** 1990;603:335-51; discussion 351-2 (55 ref.)
Differences in the pathophysiology of hemolysis of alpha- and beta-thalassemic red blood cells. Shinar E, et al. **Ann N Y Acad Sci** 1990;612:118-26 (43 ref.)
Applications of integrated cell models: novel predictions on the behaviour of red cells and reticulocytes. Lew VL, et al. **Biomed Biochim Acta** 1990;49(8-9):737-41 (23 ref.)
Innate resistance to malaria: the intraerythrocytic cycle. Nagel RL. **Blood Cells** 1990;16(2-3):321-39; discussion 340-9 (90 ref.)
Increased susceptibility of malaria-infected variant erythrocytes to the mononuclear phagocyte system [see comments] Yuthavong Y, et al. **Blood Cells** 1990; 16(2-3):591-7 (48 ref.) Comment in: Blood Cells 1990;16(2-3):598-601. Comment in: Blood Cells 1990;16(2-3):602-4.
Adhesive properties of blood cells. Altankov G, et al. **Haematologia (Budap)** 1990;23(4):239-48 (32 ref.)
Erythrocytic system under the influence of physical exercise and training. Szygula Z. **Sports Med** 1990 Sep;10(3):181-97 (137 ref.)
[Erythrocyte enzymes, structure and function] Kwiatkowska J. **Postepy Biochem** 1989;35(4):575-84 (32 ref.) **(Pol)**
[Thrombocytic- and erythrocytic-hormonal interrelationships in endocrine system pathology] Mrochek AG, et al. **Patol Fiziol Eksp Ter** 1990 Sep-Oct;(5):56-9 (128 ref.) **(Rus)**
[Role of erythrocytes in the pathogenesis of bronchial asthma--nontraditional aspects] Mineev VN. **Ter Arkh** 1990;62(12):119-21 (26 ref.) **(Rus)**

RADIATION EFFECTS

[Clinical and experimental studies of the effect of low-intensity laser irradiation on the blood and blood vessels] Radionov BV, et al. **Sov Med** 1991;(1):27-9 (30 ref.) **(Rus)**

TRANSPLANTATION

Cytokine biology. Implications for transfusion medicine. Adamson JW. **Cancer** 1991 May 15;67(10 Suppl):2708-11 (13 ref.)
Transfusion-induced graft-versus-host disease in patients with malignant lymphoma. A case report and review of the literature. Spitzer TR, et al. **Cancer** 1990 Dec 1; 66(11):2346-9 (31 ref.)
Effects of atrial natriuretic factor in ischemic renal injury: studies in the isolated erythrocyte-perfused rat kidney. Lieberthal W. **Clin Res** 1991 Apr;39(2):157-65 (30 ref.)
Optimal use of blood components. Gravlee GP. **Int Anesthesiol Clin** 1990 Fall;28(4):216-22 (37 ref.)
Safe limits of isovolemic hemodilution and recommendations for erythrocyte transfusion. Robertie PG, et al. **Int Anesthesiol Clin** 1990 Fall;28(4):197-204 (54 ref.)
[Use of the methods of gravitative surgery of the blood in cardiac surgery] Matveev SA. **Klin Khir** 1990;(10):48-52 (35 ref.) **(Rus)**

ERYTHROCYTES, ABNORMAL

CHEMISTRY

Red blood cell molecular abnormalities in non haematological diseases. De Sandre G, et al. **Haematologica** 1990 Sep-Oct; 75(5):447-53 (66 ref.)

ERYTHROCYTOSIS see **POLYCYTHEMIA**

ERYTHRODERMA ICHTHYOSIFORME, BULLOUS see **ICHTHYOSIFORM ERYTHRODERMA, CONGENITAL**

ERYTHRODERMA ICHTHYOSIFORME, NONBULLOUS see **ICHTHYOSIFORM ERYTHRODERMA, CONGENITAL**

ERYTHRODERMA, MACULOPAPULAR see **PARAPSORIASIS**

ERYTHRODERMA, SEZARY see **SEZARY SYNDROME**

ERYTHROID PRECURSOR CELLS see **ERYTHROID PROGENITOR CELLS**

ERYTHROID PROGENITOR CELLS

CYTOLOGY

The control of proliferation and differentiation of early erythroid progenitors. Migliaccio AR, et al. **Biotherapy** 1990;2(4):299-303 (53 ref.)
Cell-specific transcription and cell differentiation in the erythroid lineage. Orkin SH. **Curr Opin Cell Biol** 1990 Dec; 2(6):1003-12 (38 ref.)

METABOLISM

Transcription factor regulation of hematopoietic lineage cells. Engel JD, et al. **Semin Hematol** 1991 Apr;28(2):158-69 (49 ref.)

ERYTHROLEUKEMIA see **LEUKEMIA, ERYTHROBLASTIC, ACUTE**

ERYTHROMELALGIA

Erythromelalgia. Healsmith MF, et al. **Clin Exp Dermatol** 1991 Jan;16(1):46-8 (16 ref.)
[Vascular acrosyndromes] Priollet P, et al. **Agressologie** 1990 Apr;31(4):212-8 (14 ref.) **(Fre)**

ERYTHROMYCIN

ADMINISTRATION & DOSAGE

[Combination of commonly used antibiotics in intravenous infusions] Li X. **Chung Hua Hu Li Tsa Chih** 1991 Jul; 26(7):321-2 (12 ref.) **(Chi)**

ADVERSE EFFECTS

[QT prolongation and circulatory arrest after an injection of erythromycin in a newborn infant] Benoit A, et al. **Arch Fr Pediatr** 1991 Jan;48(1):39-41 (12 ref.) (Eng. Abstr.) **(Fre)**

BIOSYNTHESIS

[Genetic and biochemical control of biosynthesis of macrolide antibiotics] Navashin SM, et al. **Antibiot Khimioter** 1990 Dec;35(12):34-8 (62 ref.) **(Rus)**

PHARMACOLOGY

Triple post-transcriptional control. Bechhofer DH. **Mol Microbiol** 1990 Sep;4(9):1419-23 (26 ref.)

THERAPEUTIC USE

Prevention of infection by ciprofloxacin in neutropenia. Warren RE, et al. **J Antimicrob Chemother** 1990 Dec;26 Suppl F:109-23 (66 ref.)
Group B streptococcus: the effectiveness of screening and chemoprophylaxis. Greenspoon JS, et al. **Obstet Gynecol Surv** 1991 Aug;46(8):499-508 (35 ref.)

ERYTHROPOIESIS

Superoxide dismutase as an inhibitor of erythroid progenitor cell cycling. Pluthero FG, et al. **Ann N Y Acad Sci** 1991; 628:222-32 (38 ref.)
Cell-specific transcription and cell differentiation in the erythroid lineage. Orkin SH. **Curr Opin Cell Biol** 1990 Dec; 2(6):1003-12 (38 ref.)
The Bessis reticular cell, the hemoglobin 'switch' and the role of fetal hemoglobin: a hypothesis. Bogair N. **Med Hypotheses** 1991 Feb;34(2):105-10 (45 ref.)
[Bone anomalies in Gunther's disease] Audran M, et al. **Rev Rhum Mal Osteoartic** 1990 Dec;57(12):885-8 (13 ref.) **(Fre)**
[Expression and extracellular release of transferrin receptors on erythropoiesis] Kohgo Y, et al. **Rinsho Ketsueki** 1991 Jun;32(6):580-6 (17 ref.) (Eng. Abstr.) **(Jpn)**
[Requirements of nutrients which participate in erythropoiesis] Layrisse M, et al. **Arch Latinoam Nutr** 1988 Sep;38(3):622-46 (101 ref.) (Eng. Abstr.) **(Spa)**
[Liver and erythron] Sánchez-Fayos MP, et al. **Sangre (Barc)** 1991 Feb;36(1):29-36 (58 ref.) **(Spa)**

GENETICS

Gene expression during erythropoiesis. Takeshita K, et al. **Int J Cell Cloning** 1991 Mar;9(2):109-22 (86 ref.)

PHYSIOLOGY

Erythropoietin: regulation of erythropoiesis and clinical use. Dessypris EN, et al. **Adv Pharmacol** 1990;21:127-47 (131 ref.)
Expression of a negative regulator of human erythropoiesis by fluidized lymphocyte plasma membranes. Dainiak N, et al. **Ann N Y Acad Sci** 1991;628:212-21 (33 ref.)
The erythroblastic island: exocytosis of erythroblast ferritin during erythropoiesis. Pollycove M. **Blood Cells** 1991; 17(1):147-53 (19 ref.)
Erythropoiesis and erythropoietin levels in renal transplant recipients. Wolff M, et al. **Klin Wochenschr** 1991 Jan 22; 69(2):53-8 (68 ref.)
Erythrocytic system under the influence of physical exercise and training. Szygula Z. **Sports Med** 1990 Sep;10(3):181-97 (137 ref.)

ERYTHROPOIETIC PROGENITOR CELLS see **ERYTHROID PROGENITOR CELLS**

ERYTHROPOIETIC STEM CELLS see **ERYTHROID PROGENITOR CELLS**

ERYTHROPOIETIN

Erythropoietin. Krantz SB. **Blood** 1991 Feb 1;77(3):419-34 (197 ref.)
Erythropoietin: biological aspects and clinical usefulness. Liberato NL, et al. **Haematologica** 1990 Jul-Aug; 75(4):346-62 (319 ref.)
Recombinant erythropoietin. Christensen RD. **Pediatr Rev** 1991 Feb;12(8):244-8 (20 ref.)
Recombinant human erythropoietin: experimental and clinical applications. Nielsen OJ. **Scand J Clin Lab Invest** 1991 Feb;51(1):1-10 (79 ref.)

ADMINISTRATION & DOSAGE

[Erythropoietin is highly effective in renal anemia but should be prescribed with caution] Bárány P. **Lakartidningen** 1991 Sep 4;88(36):2855-7 (15 ref.) **(Swe)**

ADVERSE EFFECTS

The adverse effects of recombinant human erythropoietin therapy. Wong KC, et al. **Adverse Drug React Acute Poisoning Rev** 1990 Winter; 9(4):183–206 (113 ref.)

Drug-induced hypertension. Lai KN, et al. **Adverse Drug React Toxicol Rev** 1991 Spring;10(1):31–46 (133 ref.)

Hypertension as a possible complication of recombinant human erythropoietin therapy. Brunkhorst R, et al. **Contrib Nephrol** 1991;88:118–25; discussion 126 (29 ref.)

Adverse cardiovascular effects of partial correction of renal anemia by recombinant human erythropoietin. Frei U, et al. **Contrib Nephrol** 1990;82:72–8 (34 ref.)

Renal function of pre-dialysis patients during treatment with recombinant human erythropoietin. Koene RA, et al. **Contrib Nephrol** 1991;88:192–9; discussion 200 (16 ref.)

BIOSYNTHESIS

Regulation of extrarenal erythropoietin production. Fried W. **Adv Exp Med Biol** 1989;271:39–51 (46 ref.)

Unutilized reserves: the production capacity for erythropoietin appears to be conserved in chronic renal disease. Eckardt KU, et al. **Contrib Nephrol** 1991;88:18–31; discussion 32–4 (31 ref.)

Erythropoietin production: a personal view. Rich IN. **Exp Hematol** 1991 Oct;19(9):985–90 (7 ref.)

Physiologic determinants of erythropoietin production. Bauer C. **Semin Hematol** 1991 Jul;28(3 Suppl 3):9–12; discussion 12–3 (13 ref.)

Erythropoietin ontogeny and organ distribution in mice. Bondurant MC, et al. **Semin Hematol** 1991 Jul;28(3 Suppl 3):20–5; discussion 26–7 (11 ref.)

Production of erythropoietin in the kidney. Lacombe C, et al. **Semin Hematol** 1991 Jul;28(3 Suppl 3):14–7; discussion 17–9 (16 ref.)

[Elaboration of erythropoietin in cultured cells] Tazaki H. **Hum Cell** 1988 Dec;1(4):375–81 (30 ref.) (Eng. Abstr.) **(Jpn)**

[Coming to the glyco-biology age] Kobata A. **Tanpakushitsu Kakusan Koso** 1991 Apr;36(5):775–88 (42 ref.) **(Jpn)**

BLOOD

Erythropoiesis and erythropoietin levels in renal transplant recipients. Wolff M, et al. **Klin Wochenschr** 1991 Jan 22; 69(2):53–8 (68 ref.)

[Determination of erythropoietin activity in serum. Methods, indications and interpretation of the data] Jelkmann W, et al. **Dtsch Med Wochenschr** 1991 Feb 8;116(6):230–4 (38 ref.) **(Ger)**

GENETICS

Transcriptional regulation of the erythropoietin gene. Caro J, et al. **Contrib Nephrol** 1991;88:10–6; discussion 17 (16 ref.)

The regulation of erythropoietin gene expression. Goldwasser E, et al. **Contrib Nephrol** 1991;88:2–7; discussion 8–9 (14 ref.)

Erythropoietin. Goldwasser E, et al. **Immunol Ser** 1990; 49:257–76 (86 ref.)

Regulation of erythropoietin gene expression. Caro J, et al. **Semin Hematol** 1991 Jul;28(3 Suppl 3):42–5; discussion 45–6 (14 ref.)

Regulation of the erythropoietin gene in Hep 3B cells. Goldberg MA, et al. **Semin Hematol** 1991 Jul;28(3 Suppl 3):35–40; discussion 40–1 (12 ref.)

Some aspects of the regulation of erythropoietin gene expression. Goldwasser E, et al. **Semin Hematol** 1991 Jul; 28(3 Suppl 3):28–33; discussion 33–4 (5 ref.)

PHARMACOKINETICS

Clinical pharmacokinetics of epoetin (recombinant human erythropoietin). Macdougall IC, et al. **Clin Pharmacokinet** 1991 Feb;20(2):99–113 (94 ref.)

PHARMACOLOGY

Erythropoietin: regulation of erythropoiesis and clinical use. Dessypris EN, et al. **Adv Pharmacol** 1990;21:127–47 (131 ref.)

PHYSIOLOGY

Erythropoietin: from mountain top to bedside. Erslev AJ, et al. **Adv Exp Med Biol** 1989;271:1–7 (21 ref.)

Molecular action of erythropoietin on RNA synthesis: 30 years of study. Perretta M. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):203–17 (79 ref.)

Erythropoietin. Chapter for the monograph on haemopoietic growth factors. Eridani S. **Biotherapy** 1990;2(4):291–8 (38 ref.)

Control of erythropoietin production. Sytkowski AJ. **Blood Rev** 1991 Mar;5(1):15–8 (31 ref.)

Structure and function of the erythropoietin receptor in stable erythropoietin-dependent transfectants. D'Andrea AD, et al. **Contrib Nephrol** 1991;88:48–56; discussion 57–8 (12 ref.)

Role of erythropoietin in adaptation to hypoxia. Scholz H, et al. **Experientia** 1990 Dec 1;46(11–12):1197–201 (56 ref.)

Erythropoietin titers in health and disease. Erslev AJ. **Semin Hematol** 1991 Jul;28(3 Suppl 3):2–7; discussion 7–8 (28 ref.)

[Human erythropoietin and its cellular targets] Boffa GA. **Rev Fr Transfus Hemobiol** 1991 Jan;34(1):49–62 (75 ref.) **(Fre)**

[Erythropoietin: its biological properties and clinical use] Ermolenko VM, et al. **Ter Arkh** 1990;62(11):141–5 (55 ref.) **(Rus)**

THERAPEUTIC USE

Treatment of renal anemia, 1960–1990. Koch KM, et al. **Adv Nephrol Necker Hosp** 1991;20:19–30 (48 ref.)

Effects of erythropoietin in predialysis patients. Anderson S. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):103–6 (35 ref.)

Recombinant human erythropoietin and renal anemia: molecular biology, clinical efficacy, and nervous system effects [see comments] Nissenson AR, et al. **Ann Intern Med** 1991 Mar 1;114(5):402–16 (148 ref.) Comment in: Ann Intern Med 1991 Jun 15;114(12):1063.

Erythropoietin: issues in its use as a therapeutic for the anemia of chronic renal failure. Eschbach JW, et al. **Blood Purif** 1990;8(5):239–54 (85 ref.)

Cytokine biology. Implications for transfusion medicine. Adamson JW. **Cancer** 1991 May 15;67(10 Suppl):2708–11 (13 ref.)

The use of hematopoietic growth factors in HIV infection and AIDS-related malignancies. Miles SA. **Cancer Invest** 1991;9(2):229–38 (40 ref.)

The use of recombinant human erythropoietin (rHuEpo) in humans. Adamson JW, et al. **Cancer Surv** 1990;9(1):157–67 (25 ref.)

The anemia of chronic renal failure: pathophysiology and effects of recombinant erythropoietin. Eschbach JW, et al. **Contrib Nephrol** 1990;78:24–36; discussion 37 (85 ref.)

Treatment of patients with anemia of malignancy with recombinant human erythropoietin. Herrmann F, et al. **Contrib Nephrol** 1991;88:238–45; discussion 246–7 (15 ref.)

Increasing autologous blood donation with recombinant human erythropoietin. Levine EA. **Contrib Nephrol** 1991; 88:327–33 (29 ref.)

The role of recombinant human erythropoietin in homologous transfusion avoidance. Sobota JT. **Contrib Nephrol** 1991;88:334–48; discussion 349–50 (23 ref.)

The potential of biotechnology to improve the quality of life of patients with renal failure. Bloembergen WE, et al. **Drug Saf** 1991 Jan–Feb;6(1):1–7 (56 ref.)

Erythropoietin: evolving clinical applications. Abels RI, et al. **Exp Hematol** 1991 Sep;19(8):842–50 (79 ref.)

Recombinant erythropoietin and chronic renal failure. Lundin AP. **Hosp Pract (Off Ed)** 1991 Apr 15;26(4):61–9 (10 ref.)

Aprotinin, erythropoietin, and blood substitutes. D'Ambra MN, et al. **Int Anesthesiol Clin** 1990 Fall;28(4):237–40 (20 ref.)

Erythropoietin [see comments] Erslev AJ. **N Engl J Med** 1991 May 9;324(19):1339–44 (54 ref.) Comment in: N Engl J Med 1991 May 9;324(19):1360–2.

The use of erythropoietin in renal failure. Macdougall IC, et al. **Postgrad Med J** 1991 Jan;67(783):9–15 (83 ref.)

Management of the hematologic complications of human immunodeficiency virus infection. Groopman JE. **Rev Infect Dis** 1990 Sep–Oct;12(5):931–7 (8 ref.)

Management of the chronic renal failure patient receiving epoetin alfa for the treatment of anemia. Binkley LS. **Transplant Proc** 1991 Apr;23(2):1831–2 (6 ref.)

Erythropoietin: current status. Bunn HF. **Yale J Biol Med** 1990 Sep–Oct;63(5):381–6 (18 ref.)

[Recombinant human erythropoietin in the therapy of anemia in hemodialyzed patients] Kakuk G, et al. **Orv Hetil** 1990 Oct 28;131(43):2365–6, 2369–71 (35 ref.) (Eng. Abstr.) **(Hun)**

[Erythropoietin: its biological properties and clinical use] Ermolenko VM, et al. **Ter Arkh** 1990;62(11):141–5 (55 ref.) **(Rus)**

[The importance of erythropoietin in the therapy of anemia in patients on chronic hemodialysis] von Appen K, et al. **Urol Nefrol (Mosk)** 1990 Nov–Dec;(6):69–70 (6 ref.) **(Rus)**

ESCAPE REACTION

Binge eating as escape from self-awareness. Heatherton TF, et al. **Psychol Bull** 1991 Jul;110(1):86–108 (240 ref.)

PHYSIOLOGY

[Central nervous system control for maximal alertness in danger] Folkow B. **Lakartidningen** 1990 Dec 19; 87(51–52):4424–8 (13 ref.) (Eng. Abstr.) **(Swe)**

ESCHERICHIA COLI

Response of tumors to thermodynamic stimulation of the immune system. Keen AR, et al. **Del Med J** 1990 Aug; 62(8):1155–6, 1159–64 (43 ref.)

Digalactosyl-containing glycolipids as cell surface receptors for shiga toxin of Shigella dysenteriae 1 and related cytotoxins of Escherichia coli. Brown JE, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S298–303 (36 ref.)

[Shiga and Shiga-like toxins] Ciudin L. **Rev Ig [Bacteriol]** 1990 Jan–Mar;35(1):1–16 (91 ref.) **(Rum)**

[The enterotoxins of enterotoxigenic Escherichia coli: their characteristics, mechanism of action and genetic control] Petrovskaia VG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Jul;(7):92–8 (53 ref.) **(Rus)**

ANALYSIS

Biochemical and biological function of Escherichia coli RecA protein: behavior of mutant RecA proteins. Kowalczykowski SC. **Biochimie** 1991 Feb–Mar; 73(2–3):289–304 (109 ref.)

DRUG EFFECTS

Effect of pefloxacin on microorganism: host cell interaction. Desnottes JF, et al. **J Antimicrob Chemother** 1990 Oct;26 Suppl B:17–26 (30 ref.)

ENZYMOLOGY

Intracellular lytic enzyme systems and their use for disruption of Escherichia coli. Dabora RL, et al. **Adv Biochem Eng Biotechnol** 1990;43:11–30 (95 ref.)

Molecular assembly and functional modulation of Escherichia coli RNA polymerase. Ishihama A. **Adv Biophys** 1990; 26:19–31 (42 ref.)

Escherichia coli seryl-tRNA synthetase: the structure of a class 2 aminoacyl-tRNA synthetase. Leberman R, et al. **Biochim Biophys Acta** 1991 Jul 23;1089(3):287–98 (51 ref.)

Modelling allosteric processes in E coli aspartate transcarbamylase. Cherfils J, et al. **Biochimie** 1990 Aug; 72(8):617–24 (31 ref.)

Cellular role of DNA polymerase I. Savic DJ, et al. **J Basic Microbiol** 1990;30(10):769–84 (137 ref.)

The murein hydrolases of Escherichia coli: properties, functions and impact on the course of infections in vivo. Höltje JV, et al. **J Gen Microbiol** 1991 Mar;137 (Pt 3):441–54 (153 ref.)

The phosphoenolpyruvate-dependent phosphotransferase system: a central feature of carbohydrate accumulation by enteric bacteria. Mitchell WJ. **Microbiol Sci** 1985 Nov; 2(11):330–4, 339 (37 ref.)

DNA helicases of Escherichia coli. Matson SW. **Prog Nucleic Acid Res Mol Biol** 1991;40:289–326 (234 ref.)

The melibiose carrier of Escherichia coli. Botfield MC, et al. **Res Microbiol** 1990 Mar–Apr;141(3):328–31 (9 ref.)

The cellobiose permease of Escherichia coli consists of three proteins and is homologous to the lactose permease of Staphylococcus aureus. Reizer J, et al. **Res Microbiol** 1990 Nov–Dec;141(9):1061–7 (15 ref.)

The role of penicillin amidases in nature and in industry [published erratum appears in Trends Biochem Sci 1991 May;16(5):194] Valle F, et al. **Trends Biochem Sci** 1991 Jan;16(1):36–40 (32 ref.)

GENETICS

Modification of milk-clotting aspartic proteinases by recombinant DNA techniques. Beppu T. **Ann N Y Acad Sci** 1990;613:14–25 (21 ref.)

Genetic analysis of protein export in Escherichia coli. Schatz PJ, et al. **Annu Rev Genet** 1990;24:215–48 (171 ref.)

The OxyR regulon. Storz G, et al. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):157–61 (17 ref.)

Oxygen regulated gene expression in Escherichia coli: control of anaerobic respiration by the FNR protein. Unden G, et al. **Antonie Van Leeuwenhoek** 1991 Feb;59(2):65–76 (93 ref.)

Roles and regulation of the heat shock sigma factor sigma 32 in Escherichia coli. Yura T, et al. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):187–90 (29 ref.)

Recognition of tRNA(Tyr) by tyrosyl-tRNA synthetase. Bedouelle H. **Biochimie** 1990 Aug;72(8):589–98 (84 ref.)

RecA protein in the SOS response: milestones and mysteries. Witkin EM. **Biochimie** 1991 Feb–Mar;73(2–3):133–41 (73 ref.)

Directed evolution of a bacterial operon. Hall BG. **Bioessays** 1990 Nov;12(11):551–8 (38 ref.)

From cell membrane to nucleotides: the phosphate regulon in Escherichia coli. Torriani A. **Bioessays** 1990 Aug; 12(8):371–6 (39 ref.)

Nobel lecture. Enzymatic cleavage of RNA by RNA. Altman S. **Biosci Rep** 1990 Aug;10(4):317–37 (68 ref.)

Transcriptional control—lessons from an E. coli promoter data base. Gralla JD. **Cell** 1991 Aug 9;66(3):415–8 (18 ref.)

Adaptation of Escherichia coli to respiratory conditions: regulation of gene expression. Iuchi S, et al. **Cell** 1991 Jul 12;66(1):5–7 (21 ref.)

More than just "histone-like" proteins. Schmid MB. **Cell** 1990 Nov 2;63(3):451–3 (18 ref.)

Conjugational recombination in E. coli: myths and mechanisms. Smith GR. **Cell** 1991 Jan 11;64(1):19–27 (63 ref.)

Control of the bacterial cell cycle. Jacq A, et al. **Curr Opin Cell Biol** 1991 Apr;3(2):237–41 (44 ref.)

The cyanase operon and cyanate metabolism. Anderson PM, et al. **FEMS Microbiol Rev** 1990 Dec;7(3–4):247–52 (40 ref.)

Expression of animal and human retroviral gene products in Escherichia coli with the lambda PL promoter pJL6 vector system. Samuel KP, et al. **Genet Anal Tech Appl** 1990 Nov;7(7):178–208 (108 ref.)

Determinants of DNA sequence divergence between Escherichia coli and Salmonella typhimurium: codon usage, map position, and concerted evolution. Sharp PM.

J Mol Evol 1991 Jul;33(1):23–33 (55 ref.)
The single-stranded DNA-binding protein of Escherichia coli. Meyer RR, et al. **Microbiol Rev** 1990 Dec;54(4):342–80 (432 ref.)
Positive regulation of gene expression by cyclic AMP and its receptor protein in Escherichia coli. Busby S, et al. **Microbiol Sci** 1987 Dec;4(12):371–5 (33 ref.)
Expression of heterologous genes in E. coli. Harris TJ, et al. **Microbiol Sci** 1986 Jan;3(1):28–31 (30 ref.)
Plasmid partitioning in Escherichia coli. Mann NH. **Microbiol Sci** 1985 Oct;2(10):299–302 (29 ref.)
Inducible DNA repair in microbes. Sedgwick SG. **Microbiol Sci** 1986 Mar;3(3):76–8, 83 (35 ref.)
Recent advances in peptide chain termination. Craigen WJ, et al. **Mol Microbiol** 1990 Jun;4(6):861–5 (48 ref.)
Translation initiation in Escherichia coli: old and new questions. Jacques N, et al. **Mol Microbiol** 1990 Jul; 4(7):1063–7 (47 ref.)
Towards an understanding of the structural basis of 'forbidden' transport pathways in the Escherichia coli lactose carrier: mutations probing the energy barriers to uncoupled transport. King SC, et al. **Mol Microbiol** 1990 Sep;4(9):1433–8 (28 ref.)
Post-transcriptional control in the polycistronic operon environment: studies of the atp operon of Escherichia coli. McCarthy JE. **Mol Microbiol** 1990 Aug;4(8):1233–40 (37 ref.)
The E. coli ogt gene. Margison GP, et al. **Mutat Res** 1990 Nov-Dec;233(1–2):15–21 (40 ref.)
Resistance to alkylation damage in Escherichia coli: role of the Ada protein in induction of the adaptive response. Shevell DE, et al. **Mutat Res** 1990 Nov–Dec; 233(1–2):53–72 (116 ref.)
4.5S RNA: does form predict function? Brown S. **New Biol** 1991 May;3(5):430–8 (53 ref.)
The Escherichia coli groE chaperonins. Georgopoulos C, et al. **Semin Cell Biol** 1990 Feb;1(1):19–25 (35 ref.)
The genetics of protein secretion in E. coli. Bieker KL, et al. **Trends Genet** 1990 Oct;6(10):329–34 (33 ref.)
Genetic analysis of the bacterial flagellum. Macnab RM, et al. **Trends Genet** 1991 Jun;7(6):196–200 (35 ref.)
[Use of multilocus enzyme electrophoresis for bacterial population genetics, classification and molecular epidemiology] Duan G, et al. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1991 Jun; 12(3):177–81 (25 ref.) **(Chi)**
[Factors for activation of the replication origin of the E. coli chromosome] Asai T. **Idengaku Zasshi** 1991 Feb; 66(1):85–107 (46 ref.) **(Jpn)**
[Origin of DNA replication of filamentous coliphages] Horiuchi K. **Idengaku Zasshi** 1990 Aug;65(4):225–41 (48 ref.) **(Jpn)**
[Genomic organization of the tRNA genes in Escherichia coli] Komine Y, et al. **Tanpakushitsu Kakusan Koso** 1990 Oct;35(13):2201–10 (49 ref.) **(Jpn)**

GROWTH & DEVELOPMENT

Growth rate of Escherichia coli. Marr AG. **Microbiol Rev** 1991 Jun;55(2):316–33 (97 ref.)
The Escherichia coli cell cycle: one cycle or multiple independent processes that are co-ordinated? Nordström K, et al. **Mol Microbiol** 1991 Apr;5(4):769–74 (37 ref.)

IMMUNOLOGY

Development of oral vaccines against cholera and enterotoxinogenic Escherichia coli diarrhea. Holmgren J, et al. **Scand J Infect Dis Suppl** 1990;76:47–53 (22 ref.)

ISOLATION & PURIFICATION

Verotoxic Escherichia coli in human disease. Rosensweig JN, et al. **J Pediatr Gastroenterol Nutr** 1991 Apr;12(3):295–304 (80 ref.)
Microbiology and diagnosis of infections with Shigella and enteroinvasive Escherichia coli. Echeverria P, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S220–5 (44 ref.)
[Emphysematous pyelonephritis in a diabetic patient. Literature review apropos of a case] Picron B, et al. **Acta Clin Belg** 1991;46(2):94–9 (18 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Impact of genetic engineering on downstream processing of proteins produced in E. coli. Enfors SO, et al. **Adv Biochem Eng Biotechnol** 1990;43:31–42 (33 ref.)
Regulation in repressor inactivation by RecA protein. Ogawa H, et al. **Adv Biophys** 1990;26:33–49 (16 ref.)
The enzymology of protein translocation across the Escherichia coli plasma membrane. Wickner W, et al. **Annu Rev Biochem** 1991;60:101–24 (198 ref.)
The role of sodium ion transport in Escherichia coli energetics. Dibrov PA. **Biochim Biophys Acta** 1991 Feb 8;1056(3):209–24 (156 ref.)
Cobalamin transport in Escherichia coli. Bradbeer C. **Biofactors** 1991 Jan;3(1):11–9 (63 ref.)
Transport of iron across the outer membrane. Braun V, et al. **Biol Met** 1991;4(1):14–22 (31 ref.)
Iron(III) hydroxamate transport across the cytoplasmic membrane of Escherichia coli. Köster W. **Biol Met** 1991; 4(1):23–32 (58 ref.)
The primary pathway of protein export in E. coli. Bassford P, et al. **Cell** 1991 May 3;65(3):367–8 (26 ref.)
A radical-chemical route to acetyl-CoA: the anaerobically induced pyruvate formate-lyase system of Escherichia coli. Knappe J, et al. **FEMS Microbiol Rev** 1990 Aug;6(4):383–98 (75 ref.)
Mechanisms of resistance to the 4-quinolone antibacterial agents. Crumplin GC. **J Antimicrob Chemother** 1990 Dec; 26 Suppl F:131–44 (64 ref.)
Proton-linked sugar transport systems in bacteria. Henderson PJ. **J Bioenerg Biomembr** 1990 Aug;22(4):525–69 (236 ref.)
Industrial production of L-alanine using immobilized Escherichia coli and Pseudomonas dacunhae. Chibata I, et al. **Microbiol Sci** 1984 Jun;1(3):58–62 (5 ref.)
An efflux system for cationic dyes and related compounds in Escherichia coli. Midgley M. **Microbiol Sci** 1987 Apr; 4(4):125–7 (21 ref.)
Regulation of citric acid cycle genes in facultative bacteria. Spencer ME, et al. **Microbiol Sci** 1987 Jun;4(6):164–8 (29 ref.)
Beta-lactamase as a probe of membrane protein assembly and protein export. Broome-Smith JK, et al. **Mol Microbiol** 1990 Oct;4(10):1637–44 (29 ref.)
Uncharged tRNA, protein synthesis, and the bacterial stringent response. Goldman E, et al. **Mol Microbiol** 1990 Dec;4(12):2035–40 (32 ref.)
Vitamin B12 transport in Escherichia coli: energy coupling between membranes. Kadner RJ. **Mol Microbiol** 1990 Dec; 4(12):2027–33 (33 ref.)
Molecular chaperones and protein translocation across the Escherichia coli inner membrane. Kumamoto CA. **Mol Microbiol** 1991 Jan;5(1):19–22 (34 ref.)
The molecular basis of carbon-starvation-induced general resistance in Escherichia coli. Matin A. **Mol Microbiol** 1991 Jan;5(1):3–10 (27 ref.)
Molecular aspects of phosphate transport in Escherichia coli. Rao NN, et al. **Mol Microbiol** 1990 Jul;4(7):1083–90 (55 ref.)
The role of ATP as the energy source for maltose transport in Escherichia coli. Dean DA, et al. **Res Microbiol** 1990 Mar–Apr;141(3):348–52 (16 ref.)
Coupling of energy to glucose transport by the bacterial phosphotransferase system. Erni B. **Res Microbiol** 1990 Mar–Apr;141(3):360–4 (17 ref.)
Coupling of energy to D-mannitol transport in Escherichia coli. Jacobson GR. **Res Microbiol** 1990 Mar–Apr; 141(3):365–8 (12 ref.)
Mechanism of sugar transport and phosphorylation via permeases of the bacterial phosphotransferase system: catalytic residues in the beta-glucoside-specific permease as defined by site-specific mutagenesis. Sutrina SL, et al. **Res Microbiol** 1990 Mar–Apr;141(3):368–74 (19 ref.)
Nucleotide sequence of rmpB, a Klebsiella pneumoniae gene that positively controls, colanic biosynthesis in Escherichia coli. Vasselon T, et al. **Res Microbiol** 1991 Jan;142(1):47–54 (34 ref.)
[The structures and functions of enterotoxins from Escherichia coli] Hirayama T. **Nippon Rinsho** 1991 Jun; 49(6):1427–35 (17 ref.) **(Jpn)**
[Studies on the outer membrane permeability of bacteria] Nakae T. **Nippon Saikingaku Zasshi** 1990 Jul;45(4):777–84 (40 ref.) **(Jpn)**
[Study of the major proline transport system in Escherichia coli] Yamato I. **Seikagaku** 1990 Aug;62(8):1020–30 (73 ref.) **(Jpn)**

PATHOGENICITY

Antibacterial host factors in the urinary tract. Sobel JD, et al. **Adv Intern Med** 1991;36:131–50 (86 ref.)
Bacterial adherence as a virulence factor in urinary tract infection. De Man P, et al. **APMIS** 1990 Dec; 98(12):1053–60 (64 ref.)
Virulence factors in Escherichia coli urinary tract infection. Johnson JR. **Clin Microbiol Rev** 1991 Jan;4(1):80–128 (614 ref.)
Escherichia coli O157:H7 and its significance in foods. Doyle MP. **Int J Food Microbiol** 1991 Apr;12(4):289–301 (69 ref.)
Pathogenic Escherichia coli found in food. Olsvik O, et al. **Int J Food Microbiol** 1991 Jan;12(1):103–13 (29 ref.)
Pathogenic Escherichia coli, Yersinia enterocolitica, and Vibrio parahaemolyticus. Doyle MP. **Lancet** 1990 Nov 3; 336(8723):1111–5 (15 ref.)
The role of type 1 pili in the pathogenesis of Escherichia coli infections: a short review and some new ideas. Orndorff PE, et al. **Microb Pathog** 1990 Aug;9(2):75–9 (64 ref.)
[Coliform bacilli which produce cytotoxins: importance in veterinary medicine and public health] De Rycke J. **Ann Rech Vet** 1991;22(2):105–26 (99 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Fate of recombinant Escherichia coli K-12 strains in the environment. Bogosian G, et al. **Adv Appl Microbiol** 1991; 36:87–131 (177 ref.)
Bacterial chemotaxis and the molecular logic of intracellular signal transduction networks. Stock JB, et al. **Annu Rev Biophys Biophys Chem** 1991;20:109–36 (149 ref.)
FNR and its role in oxygen-regulated gene expression in Escherichia coli. Spiro S, et al. **FEMS Microbiol Rev** 1990 Aug;6(4):399–428 (184 ref.)
Cell division and peptidoglycan assembly in Escherichia coli. Nanninga N. **Mol Microbiol** 1991 Apr;5(4):791–5 (48 ref.)
Ion channels in Paramecium, yeast and Escherichia coli. Saimi Y, et al. **Trends Biochem Sci** 1988 Aug;13(8):304–9 (36 ref.)

RADIATION EFFECTS

Action of low-intensity laser radiation on Escherichia coli. Tiphlova O, et al. **Crit Rev Biomed Eng** 1991;18(6):387–412 (115 ref.)

ULTRASTRUCTURE

Mechanism of length determination in bacteriophage lambda tails. Katsura I. **Adv Biophys** 1990;26:1–18 (39 ref.)
Biophysics of the structure and function of porins. Jap BK, et al. **Q Rev Biophys** 1990 Nov;23(4):367–403 (132 ref.)
Inside a living cell. Goodsell DS. **Trends Biochem Sci** 1991 Jun;16(6):203–6 (5 ref.)

ESCHERICHIA COLI INFECTIONS

Etiology and pathophysiology of pyelonephritis. Roberts JA. **Am J Kidney Dis** 1991 Jan;17(1):1–9 (89 ref.)
[Emphysematous pyelonephritis. Apropos of a case] Ferrière X, et al. **Ann Urol (Paris)** 1990;24(4):326–7 (3 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Prophylaxis of infection-induced kidney stone formation. Hess B. **Urol Res** 1990;18 Suppl 1:S45–8 (32 ref.)

DIAGNOSIS

Recurrent aortic graft infection following descending thoracic aorta to femoral artery bypass. A case report and review. Costantino MJ. **J Cardiovasc Surg (Torino)** 1991 Jul–Aug;32(4):477–81 (22 ref.)
Applications of DNA probes for Vero cytotoxin-producing Escherichia coli. Smith HR, et al. **J Hosp Infect** 1991 Jun; 18 Suppl A:438–42 (24 ref.)
[The differentiation of intestinal Escherichia coli infections] Priamukhina NS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1991 Feb;(2):81–7 (65 ref.) **(Rus)**

EPIDEMIOLOGY

Epidemiologic aspects of shigellosis and other causes of dysentery in Thailand. Taylor DN, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S226–30 (28 ref.)

IMMUNOLOGY

Antibacterial host factors in the urinary tract. Sobel JD, et al. **Adv Intern Med** 1991;36:131–50 (86 ref.)
Escherichia coli infection in neonates: humoral defense mechanisms. Bortolussi R. **Semin Perinatol** 1990 Aug;14(4 Suppl 1):40–3 (23 ref.)

METABOLISM

Altered Ca2+ homeostasis and functional correlates in hepatocytes and adipocytes in endotoxemia and sepsis. Spitzer JA. **J Trauma** 1990 Dec;30(12 Suppl):S192–7 (48 ref.)

MICROBIOLOGY

Virulence factors in Escherichia coli urinary tract infection. Johnson JR. **Clin Microbiol Rev** 1991 Jan;4(1):80–128 (614 ref.)
Escherichia coli O157:H7 and its significance in foods. Doyle MP. **Int J Food Microbiol** 1991 Apr;12(4):289–301 (69 ref.)
Pathogenic Escherichia coli found in food. Olsvik O, et al. **Int J Food Microbiol** 1991 Jan;12(1):103–13 (29 ref.)
The murein hydrolases of Escherichia coli: properties, functions and impact on the course of infections in vivo. Höltje JV, et al. **J Gen Microbiol** 1991 Mar;137 (Pt 3):441–54 (153 ref.)
Verotoxic Escherichia coli in human disease. Rosensweig JN, et al. **J Pediatr Gastroenterol Nutr** 1991 Apr;12(3):295–304 (80 ref.)
The role of type 1 pili in the pathogenesis of Escherichia coli infections: a short review and some new ideas. Orndorff PE, et al. **Microb Pathog** 1990 Aug;9(2):75–9 (64 ref.)
Microbiology and diagnosis of infections with Shigella and enteroinvasive Escherichia coli. Echeverria P, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S220–5 (44 ref.)
[Coliform bacilli which produce cytotoxins: importance in veterinary medicine and public health] De Rycke J. **Ann Rech Vet** 1991;22(2):105–26 (99 ref.) (Eng. Abstr.) **(Fre)**

ESCHERICHIA COLI PHAGES see **COLIPHAGES**

ESERINE see **PHYSOSTIGMINE**

ESOPHAGEAL ACHALASIA

Some epidemiological and aetiological aspects of achalasia. Mayberry JF, et al. **Dig Dis** 1991;9(1):1–8 (72 ref.)

COMPLICATIONS

Alport's syndrome and achalasia. Leichter HE, et al.

Pediatr Nephrol 1988 Jul;2(3):312–4 (11 ref.)
[Simultaneous occurrence of selective ACTH deficiency , achalasia, alacrimia and hyperlipoproteinemia] Várkonyi A, et al. **Orv Hetil** 1990 Dec 16;131(50):2763–6 (26 ref.) (Eng. Abstr.) **(Hun)**

DIAGNOSIS

[Idiopathic achalasia of the esophagus in children. Report of 8 cases] Boudon N, et al. **J Radiol** 1990 May;71(5):351–5 (25 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

[Esophageal manometry as a surgical indication in primary esophageal motility disorders] Fiorentino E. **Minerva Chir** 1991 Apr 15;46(7 Suppl):177–80 (04 ref.) (Eng. Abstr.) **(Ita)**

SURGERY

[Esophageal manometry as a surgical indication in primary esophageal motility disorders] Fiorentino E. **Minerva Chir** 1991 Apr 15;46(7 Suppl):177–80 (04 ref.) (Eng. Abstr.) **(Ita)**
[Esophageal achalasia in children. Surgical treatment] Rollán Villamarín V, et al. **Cir Pediatr** 1988 Jan;1(1):46–50 (24 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Achalasia: current evaluation and therapy. Ferguson MK. **Ann Thorac Surg** 1991 Aug;52(2):336–42 (74 ref.)
[Treatment of esophageal achalasia] Tøttrup A, et al. **Ugeskr Laeger** 1990 Dec 31;153(1):9–13 (30 ref.) (Eng. Abstr.) **(Dan)**

ESOPHAGEAL AND GASTRIC VARICES

COMPLICATIONS

Conservative and semi-invasive modalities for treating bleeding esophageal varices. Paquet KJ, et al. **Hepatogastroenterology** 1990 Dec;37(6):561–4 (44 ref.)
Vasoconstrictor therapy in bleeding esophageal varices. Walker S. **Hepatogastroenterology** 1990 Dec;37(6):538–43 (82 ref.)
Bleeding esophagogastric varices. Ways to treat active episodes and prevent recurrence. Marshall JB. **Postgrad Med** 1991 May 1;89(6):147–50, 155–8 (38 ref.)
[Primary prevention of digestive hemorrhages in cirrhotic patients] Calès P. **Ann Gastroenterol Hepatol (Paris)** 1990 Oct;26(5):193–200 (82 ref.) **(Fre)**
[Drug treatment of acute esophageal varices hemorrhage using vasoactive substances (somatostatin and octreotide)] Meier R, et al. **Z Gastroenterol** 1990 Sep;28 Suppl 2:36–40 (58 ref.) **(Ger)**

DRUG THERAPY

Somatostatin in the treatment of bleeding oesophageal varices. McCormick PA, et al. **Acta Gastroenterol Belg** 1990 Jul–Aug;53(4):418–22 (19 ref.)
[The role of beta-blockers in the preventive treatment of rupture of esophageal varices] Calès P. **Acta Gastroenterol Belg** 1990 Jul–Aug;53(4):409–17 (51 ref.) (Eng. Abstr.) **(Fre)**
[Chemotherapy of portal hypertension] Geller LI. **Klin Med (Mosk)** 1991 Apr;69(4):28–32 (58 ref.) **(Rus)**

ETIOLOGY

Islet cell carcinoma of the pancreas presenting as bleeding from isolated gastric varices. Report of a case and review of the literature. Metz DC, et al. **Dig Dis Sci** 1991 Feb; 36(2):241–4 (16 ref.)
Variceal rebleeding after portosystemic shunting. Strategies and solutions to a vexing problem. Levine BA, et al. **Surg Clin North Am** 1991 Feb;71(1):117–30 (15 ref.)
[Gastric modifications in cirrhosis] Payen JL, et al. **Gastroenterol Clin Biol** 1991;15(4):285–95 (150 ref.) **(Fre)**

PHYSIOPATHOLOGY

[Pathogenetic factors of hemorrhage from esophageal varices] Kobe E. **Gastroenterol J** 1990;50(2):60–4 (56 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

[Prevention of the first gastroesophageal hemorrhage in patients with portal hypertension] Tsybyrné KA, et al. **Vestn Khir** 1990 Aug;145(8):146–9 (34 ref.) **(Rus)**

SURGERY

Bleeding oesophageal varices and the surgeon. Shields R. **Br J Surg** 1991 May;78(5):513–5 (10 ref.)

THERAPY

Cardiorespiratory effects of endoscopic esophageal variceal sclerotherapy. Baydur A, et al. **Am J Med** 1990 Oct; 89(4):477–82 (43 ref.)
Variceal injection sclerotherapy. Sauerbruch T, et al. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):131–53 (134 ref.)
Pleuropulmonary complications of endoscopic variceal sclerotherapy. Edling JE, et al. **Chest** 1991 May; 99(5):1252–7 (58 ref.)
Current concepts in the pathophysiology and treatment of portal hypertension and variceal hemorrhage. Eckhauser FE, et al. **Gastroenterol Jpn** 1991 Jul;26 Suppl 3:1–8 (33 ref.)
Prophylactic treatment of esophageal varices before bleeding. Pascal JP, et al. **Hepatogastroenterology** 1990 Dec; 37(6):575–8 (37 ref.)
The management of an episode of variceal bleeding. Gimson AE, et al. **Postgrad Med J** 1991 Feb;67(784):140–6 (61 ref.)
Taking the tension out of the portal system. An approach to the management of portal hypertension in the 1990s. Mac Mathuna P, et al. **Scand J Gastroenterol Suppl** 1990; 175:131–45 (126 ref.)
Techniques for endoscopic obliteration of esophageal varices. Van Stiegmann G. **Surg Annu** 1991;23 Pt 1:175–202 (106 ref.)
[Indications for and efficacy of endoscopic sclerosing treatment of esophageal varices in liver cirrhosis] Kaufmann T, et al. **Med Klin** 1990 Oct 15;85(10):602–7 (56 ref.) **(Ger)**
[Therapy and prevention of hemorrhage from esophageal varices] Holstege A, et al. **Z Gastroenterol** 1990 Jun; 28(6):302–14 (185 ref.) (Eng. Abstr.) **(Ger)**
[Acute variceal hemorrhage] Sauerbruch T. **Z Gastroenterol Verh** 1991 Mar;26:18–20 (37 ref.) **(Ger)**

ESOPHAGEAL ATRESIA

COMPLICATIONS

Oesophageal stenosis distal to oesophageal atresia. Sheridan J, et al. **Clin Radiol** 1990 Oct;42(4):274–6 (12 ref.)

PATHOLOGY

Congenital esophageal obstruction by intraluminal mucosal diaphragm. Sharma AK, et al. **J Pediatr Surg** 1991 Feb; 26(2):213–5 (16 ref.)

SURGERY

Influence of anatomy and physiology on the management of oesophageal atresia. Beasley SW. **Prog Pediatr Surg** 1991; 27:53–61 (14 ref.)
[Complete duplication of the urethra in males, associated with esophageal atresia: 2 cases] Agra Cadarso B, et al. **Cir Pediatr** 1989 Apr;2(2):83–5 (8 ref.) (Eng. Abstr.) **(Spa)**

ESOPHAGEAL DISEASES

see related
ESOPHAGEAL ATRESIA
Scleroderma esophagus. Fulp SR, et al. **Dysphagia** 1990; 5(4):204–10 (52 ref.)
Recent studies of the pathophysiology and diagnosis of esophageal symptoms. Vantrappen G, et al. **Scand J Gastroenterol Suppl** 1990;175:34–41 (49 ref.)

COMPLICATIONS

Esophageal tuberculosis: a rare presentation with hematemesis. Newman RM, et al. **Am J Gastroenterol** 1991 Jun;86(6):751–5 (25 ref.)
Skin and gullet. Walton S, et al. **Gut** 1991 Jun;32(6):694–7 (33 ref.)
Oesophageal disease and non-cardiac chest pain. Holloway RH. **J Gastroenterol Hepatol** 1990 Mar–Apr;5(2):180–93 (141 ref.)
Recurrent acute suppurative thyroiditis. Skuza K, et al. **J Otolaryngol** 1991 Apr;20(2):126–9 (14 ref.)
[Bilateral purulent pleurisy and spontaneous rupture of the esophagus (Boerhaave's syndrome). Apropos of a case] Debieuvre D, et al. **Rev Pneumol Clin** 1991;47(1):52–4 (6 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Tuberculosis of the esophagus. Eng J, et al. **Dig Dis Sci** 1991 Apr;36(4):536–40 (42 ref.)
Magnetic resonance imaging of the alimentary tube. Werthmuller WC, et al. **Invest Radiol** 1991 Feb; 26(2):195–200 (27 ref.)
Chest pain of non-cardiac origin. Janssens J, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):153–5 (16 ref.)
[Symptoms, therapy and prognosis of spontaneous esophagus rupture (Boerhaave syndrome)] Kellner C, et al. **Med Klin** 1990 Nov 15;85(11):656–60 (67 ref.) **(Ger)**
["Esophageal" angina and angina pectoris] Bortolotti M, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):145–52 (42 ref.) (Eng. Abstr.) **(Ita)**
[Esophageal angina] Cheli R, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):137–41 (17 ref.) (Eng. Abstr.) **(Ita)**
[Esophageal tuberculosis. Presentation of a case and review of the literature] Moreno Sánchez D, et al. **Rev Esp Enferm Dig** 1990 Oct;78(4):225–8 (24 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Primary esophageal motility disorders: medical treatment] Annese V, et al. **Minerva Dietol Gastroenterol** 1990 Jul–Sep;36(3):145–55 (87 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Complications of reflux esophagitis and their medical management. Kozarek RA. **Gastroenterol Clin North Am** 1990 Sep;19(3):713–31 (126 ref.)
Intramural oesophageal dissection. Hanson JM, et al. **Thorax** 1991 Jul;46(7):524–7 (26 ref.)

PATHOLOGY

Esophageal involvement in pemphigus vulgaris: report of two cases and review of the literature. Lurie R, et al. **Dermatologica** 1990;181(3):233–6 (15 ref.)

PHYSIOPATHOLOGY

[Manometry and esophageal symptoms] Corazziari E, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):133–6 (22 ref.) **(Ita)**
[Esophageal manometry and pH-monitoring in surgical indications] Moraldi A, et al. **Minerva Chir** 1991 Apr 15; 46(7 Suppl):189–93 (09 ref.) **(Ita)**
[Esophageal manometry and pH-monitoring for surgical indications] Pappalardo G, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):171–6 (19 ref.) (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Radiographic techniques and efficacy in evaluating esophageal dysphagia. Ott DJ. **Dysphagia** 1990;5(4):192–203 (46 ref.)

SURGERY

[Esophageal manometry and pH-monitoring in surgical indications] Moraldi A, et al. **Minerva Chir** 1991 Apr 15; 46(7 Suppl):189–93 (09 ref.) **(Ita)**
[Esophageal manometry and pH-monitoring for surgical indications] Pappalardo G, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):171–6 (19 ref.) (Eng. Abstr.) **(Ita)**

THERAPY

Palliation of malignant esophageal obstruction. Boyce GA. **Dysphagia** 1990;5(4):220–6 (40 ref.)
Therapeutic upper gastrointestinal endoscopy. Past, present, and future. Lambert R. **Scand J Gastroenterol Suppl** 1990; 175:63–76 (58 ref.)
[Esophageal rehabilitation] Bernal-Sabagún F, et al. **Rev Gastroenterol Mex** 1990 Jul–Sep;55(3):119–23 (10 ref.) (Eng. Abstr.) **(Spa)**

ESOPHAGEAL DIVERTICULA

ETIOLOGY

[A case of mid-esophageal diverticulum with mucosal bridge caused by tuberculosis of the apex of the right lung] Shikiya K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Mar; 88(3):724–9 (33 ref.) **(Jpn)**

SURGERY

Staple closure of the hypopharynx after diverticulectomy and total laryngectomy. Wolfensberger M, et al. **Dysphagia** 1991;6(1):26–9 (26 ref.)
Endoscopic diverticulotomy for the treatment of Zenker's diverticulum. Wayman DM, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):448–52 (25 ref.)
[Pharyngoesophageal diverticula. Results of a series of 41 diverticulectomies] Mouroux J, et al. **Ann Chir** 1991; 45(5):391–5 (19 ref.) (Eng. Abstr.) **(Fre)**

ESOPHAGEAL DYSMOTILITY see **ESOPHAGEAL MOTILITY DISORDERS**

ESOPHAGEAL FISTULA

Aortoesophageal fistula: a comprehensive review of the literature. Hollander JE, et al. **Am J Med** 1991 Sep; 91(3):279–87 (106 ref.)

COMPLICATIONS

A herald bleed: a case of aortoesophageal fistula and a review of the literature. Dores GM, et al. **R I Med J** 1991 Mar; 74(3):123–6 (42 ref.)

DIAGNOSIS

[Esophago-bronchial fistula in adults] Manac'h D, et al. **Ann Chir** 1990;44(8):636–41 (25 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

[Primary mediastinal tuberculosis associated with esophageal fistula (letter)] Jiménez I, et al. **Enferm Infecc Microbiol Clin** 1989 Jun–Jul;7(6):337–8 (9 ref.) **(Spa)**

ESOPHAGEAL MOTILITY DISORDERS

Disorders of esophageal motility. Chakkaphak S, et al. **Surg Gynecol Obstet** 1991 Apr;172(4):325–34 (127 ref.)

ESOPHAGEAL MOTILITY

CLASSIFICATION

[Manometric classification of esophageal motility disorders] Bontempo I, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):111–4 (04 ref.) **(Ita)**

COMPLICATIONS

Esophageal motility in an adult with a congenital H-type tracheoesophageal fistula. Heitmiller RF, et al. **Dysphagia** 1990;5(3):138–41 (13 ref.)

The relationship between esophageal motility disorders and microvascular angina. Benjamin SB. **Med Clin North Am** 1991 Sep;75(5):1135–42 (39 ref.)

Esophageal motility disorders and chest pain. Langevin S, et al. **Med Clin North Am** 1991 Sep;75(5):1045–63 (97 ref.)

DIAGNOSIS

[Thoracic pain and esophageal motility disorders] Guyot J. **Schweiz Rundsch Med Prax** 1991 Feb 5;80(6):106–8 (24 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

[Manometric classification of esophageal motility disorders] Bontempo I, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):111–4 (04 ref.) **(Ita)**

PSYCHOLOGY

Psychiatric disorders in patients with esophageal disease. Clouse RE. **Med Clin North Am** 1991 Sep;75(5):1081–96 (82 ref.)

ESOPHAGEAL NEOPLASMS

Malignant granular cell tumour of the oesophagus. Wyatt MG, et al. **Eur J Surg Oncol** 1991 Aug;17(4):388–91 (42 ref.)

Primary small cell carcinoma of the esophagus: case presentation and review of the literature. Mulder LD, et al. **Gastrointest Radiol** 1991 Winter;16(1):5–10 (22 ref.)

Occult carcinoma esophagus metastatic to spine producing paraplegia—a case report and review of literature. Kaushal R, et al. **Indian J Med Sci** 1990 Nov;44(11):304–6 (10 ref.)

CHEMICALLY INDUCED

Modification of tumor development in the gastrointestinal tract. Takahashi M, et al. **Prog Exp Tumor Res** 1991; 33:58–75 (97 ref.)

COMPLICATIONS

Spontaneous pneumomediastinum in esophageal carcinoma. Sridhar KS, et al. **Am J Clin Oncol** 1990 Dec;13(6):527–31 (38 ref.)

Palliation of malignant esophageal obstruction. Boyce GA. **Dysphagia** 1990;5(4):220–6 (40 ref.)

DIAGNOSIS

Primary neoplasms of the hollow organs of the gastrointestinal tract. Staging and follow-up. Halvorsen RA Jr, et al. **Cancer** 1991 Feb 15;67(4 Suppl):1181–8 (49 ref.)

[What is the value of tracheobronchial fibroscopy in the assessment of esophageal cancer?] Benchimol D, et al. **Ann Chir** 1990;44(6):471–4 (14 ref.) (Eng. Abstr.) **(Fre)**

[Current radiologic diagnosis of esophageal tumors] Georgi M, et al. **Rontgenpraxis** 1990 Sep;43(9):313–22 (13 ref.) **(Ger)**

DRUG THERAPY

Experience with cisplatin in treatment regimens for esophageal cancer. Leichman L, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):64–72 (51 ref.)

Neoadjuvant chemotherapy and surgery of cancer of the esophagus. Kelsen DP, et al. **Semin Surg Oncol** 1990; 6(5):268–73 (32 ref.)

[Combined therapy of inoperable esophageal cancer] Fink U, et al. **Z Gastroenterol Verh** 1991 Mar;26:209–16 (79 ref.) **(Ger)**

[Preoperative treatment of esophageal cancer with oral peplomycin jelly] Sasamoto M, et al. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1613–9 (9 ref.) (Eng. Abstr.) **(Jpn)**

[Combined radiotherapy and pre-radiation chemotherapy with cisplatin and 5-fluorouracil for advanced esophageal carcinoma. II. Clinical evaluation in cases with higher than T2 stage] Sueyama H. **Nippon Gan Chiryo Gakkai Shi** 1990 Aug 20;25(8):1608–18 (38 ref.) (Eng. Abstr.) **(Jpn)**

EPIDEMIOLOGY

Primary small-cell carcinoma of the esophagus. Report of 11 cases and review of the literature. Beyer KL, et al. **J Clin Gastroenterol** 1991 Apr;13(2):135–41 (58 ref.)

Adenocarcinoma in Barrett's esophagus. Altorki NK, et al. **Semin Surg Oncol** 1990;6(5):274–8 (48 ref.)

[Barrett's esophagus: characteristics and evaluation of risk of malignancy] Spinelli P, et al. **Ann Ital Chir** 1990 Sep-Oct;61(5):531–7; discussion 537–8 (26 ref.) (Eng. Abstr.) **(Ita)**

[The clinical relevance of epidemiology in the surgical treatment of esophageal carcinoma] Albertino B, et al. **Minerva Chir** 1990 Aug;45(15–16):997–1002 (43 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Alcohol and cancer. Tuyns AJ. **Proc Nutr Soc** 1990 Jul; 49(2):145–51 (33 ref.)

IMMUNOLOGY

Immunohistochemical examination of 25 cases of Merkel cell carcinoma: a comparison with small cell carcinoma of the lung and oesophagus, and a review of the literature. Johansson L, et al. **APMIS** 1990 Aug;98(8):741–52 (45 ref.)

PATHOLOGY

Growth factors in progression of human esophageal and gastric carcinomas. Yoshida K, et al. **Exp Pathol** 1990; 40(4):291–300 (72 ref.)

Vulvar leiomyomatosis in a patient with esophagogastric leiomyomatosis: review of the syndrome. Faber K, et al. **Gynecol Oncol** 1991 Apr;41(1):92–4 (10 ref.)

Occult carcinoma esophagus metastatic to spine producing paraplegia—a case report and review of literature. Kaushal R, et al. **Indian J Med Sci** 1990 Nov;44(11):304–6 (10 ref.)

Esophageal verrucous carcinoma: histologically a low-grade malignancy but clinically a fatal disease. Biemond P, et al. **J Clin Gastroenterol** 1991 Feb;13(1):102–7 (10 ref.)

Amelanotic malignant melanoma of the esophagus: case report and review of the literature. Taniyama K, et al. **Jpn J Clin Oncol** 1990 Sep;20(3):286–95 (41 ref.)

Adenosquamous carcinoma of the esophagus. A case report. Bombi JA, et al. **Pathol Res Pract** 1991 May;187(4):514–9; discussion 519–21 (29 ref.)

[An esophageal cancer with a renal metastasis that was detected and resected as the only focus of recurrence] Shimizu H, et al. **Gan No Rinsho** 1990 Sep;36(11):2047–52 (18 ref.) (Eng. Abstr.) **(Jpn)**

[Esophageal cancer metastatic to the kidney: report of a case] Mikata N, et al. **Nippon Gan Chiryo Gakkai Shi** 1990 Jul 20;25(7):1492–6 (17 ref.) (Eng. Abstr.) **(Jpn)**

[A case report of primary microadenocarcinoma of the middle thoracic esophagus] Sakai T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 May;88(5):1235–9 (13 ref.) **(Jpn)**

RADIOTHERAPY

Radiotherapy of carcinoma of the esophagus in China—a review. Taifu L. **Int J Radiat Oncol Biol Phys** 1991 Apr; 20(4):875–9 (33 ref.)

High-dose-rate intraluminal brachytherapy for esophageal cancer: 10 years experience in Hyogo College of Medicine. Hishikawa Y, et al. **Radiother Oncol** 1991 Jun;21(2):107–14 (30 ref.)

Combined external radiotherapy and intracavitary radiotherapy in esophageal carcinoma. Montemaggi P, et al. **Rays** 1991 Jan-Mar;16(1):36–41 (19 ref.) **(Eng, Ita)**

Acute radiation-induced pulmonary injury: computed tomography evaluation. Ikezoe J, et al. **Semin Ultrasound CT MR** 1990 Oct;11(5):409–16 (19 ref.)

[Endoscopic intubation and intracavitary irradiation in the palliative treatment of inoperable esophageal tumors] Kupcsulik P, et al. **Orv Hetil** 1991 Feb 17;132(7):347–53 (42 ref.) (Eng. Abstr.) **(Hun)**

SURGERY

Squamous cell carcinoma of the oesophagus: 10 years on [see comments] Khoury GA. **Ann R Coll Surg Engl** 1991 Jan;73(1):4–7 (61 ref.) Comment in: Ann R Coll Surg Engl 1991 Jan;73(1):1–3.

Peri-operative care for oesophagectomy patients. Byth PL, et al. **Aust Clin Rev** 1991;11(1-2):45–50 (12 ref.)

Results of surgery in multimodality therapy of esophageal cancer. Schlag P. **Onkologie** 1991 Feb;14(1):13–4, 16, 18–20 (27 ref.)

[Cancer of the hypopharynx and cervical esophagus. Role and limits of the surgical treatment] Peracchia A, et al. **Chirurgie** 1990;116(4–5):351–7; discussion 357–8 (30 ref.) (Eng. Abstr.) **(Fre)**

[Palliative surgical treatment of cancer of the esophagus] Müller JM, et al. **Med Klin** 1991 Jan 15;86(1):24–31 (35 ref.) (Eng. Abstr.) **(Ger)**

[Occurrence of cancers in duplications of the digestive tract] Schickedanz H, et al. **Z Kinderchir** 1990 Oct;45(5):304–7 (32 ref.) (Eng. Abstr.) **(Ger)**

[Leiomyoma of the esophagus] Della Casa U, et al. **G Chir** 1988 May;9(5):314–8 (27 ref.) (Eng. Abstr.) **(Ita)**

[A basal cell carcinoma of the esophagus—a case report] Hanada M, et al. **Gan No Rinsho** 1990 Oct;36(12):2158–62 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Two surgical cases of synchronous double carcinoma of the lung and esophagus and review of 10 documented cases in Japan] Morimoto M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Feb;39(2):245–50 (9 ref.) (Eng. Abstr.) **(Jpn)**

[A case of adenoid cystic carcinoma of the esophagus] Okitsu H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Apr; 39(4):480–4 (20 ref.) (Eng. Abstr.) **(Jpn)**

[Surgical treatment of patients with cancer of the cardio-esophageal region] Chernousov AF, et al. **Grud Serdechnososudistaia Khir** 1990;(9):70–3 (50 ref.) **(Rus)**

[The surgical treatment of esophageal leiomyomas: a report of 9 cases and a review of the literature] Ibáñez Aguirre J, et al. **Rev Esp Enferm Dig** 1991 Mar;79(3):173–5 (15 ref.) (Eng. Abstr.) **(Spa)**

[Esophageal prosthesis] Bermúdez Ruiz H, et al. **Rev Gastroenterol Mex** 1990 Jul-Sep;55(3):143–7 (19 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Combination chemotherapy and radiotherapy for small-cell carcinoma of the esophagus. A case report of long-term survival and review of the literature. Hussein AM, et al. **Am J Clin Oncol** 1990 Oct;13(5):369–73 (33 ref.)

Laser treatment of tumours in the gastrointestinal tract. Tranberg KG. **Ann Chir Gynaecol** 1990;79(4):182–8 (48 ref.)

Upper gastrointestinal tumors. Ogawa M, et al. **Cancer Chemother Biol Response Modif** 1990;11:453–9 (25 ref.)

Gastric, esophageal, and pancreatic cancer, and rare tumors. Bleiberg H. **Curr Opin Oncol** 1990 Aug;2(4):718–24 (27 ref.)

Endoscopic therapy of esophageal cancer: possibilities and limitations. Tytgat GN. **Endoscopy** 1990 Nov;22(6):263–7 (36 ref.)

Oesophageal carcinoma: the view from East Birmingham [see comments] Matthews HR, et al. **J R Coll Surg Edinb** 1990 Oct;35(5):279–83 (10 ref.) Comment in: J R Coll Surg Edinb 1991 Feb;36(1):62.

[Therapeutic diagram in advanced cancers of the esophagus] Benhamou G, et al. **J Chir (Paris)** 1990 Nov;127(11):518–21 (32 ref.) (Eng. Abstr.) **(Fre)**

[Multidisciplinary protocol for the treatment of epidermoid carcinoma of the esophagus: experience from 1985 to 1989] Abuchaibe O, et al. **Rev Med Univ Navarra** 1989 Jul-Sep; 33(3):165–71 (24 ref.) (Eng. Abstr.) **(Spa)**

[Treatment of cancer of the esophagus. New strategy with the multidisciplinary treatment] Hernández Lizoáin JL, et al. **Rev Med Univ Navarra** 1989 Oct-Dec;33(4):223–32 (86 ref.) (Eng. Abstr.) **(Spa)**

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the oesophagus. Pozharisski KM. **IARC Sci Publ** 1990;(99):109–28 (87 ref.)

ESOPHAGEAL PERFORATION

The diagnosis and management of esophageal perforations. Hoover EL. **J Natl Med Assoc** 1991 Mar;83(3):246–8 (3 ref.)

ETIOLOGY

Pharyngoesophageal perforation after blunt neck trauma. Niezgoda JA, et al. **Ann Thorac Surg** 1990 Oct;50(4):615–7 (14 ref.)

An unusual esophageal foreign body perforation—a case report and review of the literature. al-Qudah A. **Thorac Cardiovasc Surg** 1991 Apr;39(2):102–4 (20 ref.)

ESOPHAGEAL REFLUX see **GASTROESOPHAGEAL REFLUX**

ESOPHAGEAL SPASM, DIFFUSE

PHYSIOPATHOLOGY

[Esophageal manometry as a surgical indication in primary esophageal motility disorders] Fiorentino E. **Minerva Chir** 1991 Apr 15;46(7 Suppl):177–80 (04 ref.) (Eng. Abstr.) **(Ita)**

SURGERY

[Esophageal manometry as a surgical indication in primary esophageal motility disorders] Fiorentino E. **Minerva Chir** 1991 Apr 15;46(7 Suppl):177–80 (04 ref.) (Eng. Abstr.) **(Ita)**

ESOPHAGEAL SPHINCTER see **ESOPHAGOGASTRIC JUNCTION**

ESOPHAGEAL STENOSIS

CONGENITAL

Oesophageal stenosis distal to oesophageal atresia. Sheridan J, et al. **Clin Radiol** 1990 Oct;42(4):274–6 (12 ref.)

THERAPY

Cerebral abscess complicating dilatation of a corrosive esophageal stricture. Djupesland P, et al. **Eur Arch Otorhinolaryngol** 1991;248(5):308–10 (13 ref.)

ESOPHAGEAL VARICES see **ESOPHAGEAL AND GASTRIC VARICES**

ESOPHAGITIS

CHEMICALLY INDUCED

Drug-induced esophagitis. Eng J, et al. **Am J Gastroenterol** 1991 Sep;86(9):1127–33 (100 ref.)

Pill-esophagitis caused by nonsteroidal antiinflammatory

drugs. Minocha A, et al. **Am J Gastroenterol** 1991 Aug; 86(8):1086–9 (37 ref.)
Medication-induced esophagitis in children. Kato S, et al. **Gastroenterol Jpn** 1990 Aug;25(4):485–8 (18 ref.)

ETIOLOGY

[Infectious esophagitis in HIV infection] Pauwels A, et al. **Rev Med Interne** 1990 May–Jun;11(3):223–8 (66 ref.) (Eng. Abstr.) **(Fre)**
[Gastroesophageal reflux and esophagitis (I). Physiopathology, diagnosis, surgical implications] Navarro Pomares A. **Rev Esp Enferm Dig** 1991 May;79(5):351–4 (52 ref.) **(Spa)**

MICROBIOLOGY

Candida esophagitis. Haulk AA, et al. **Adv Intern Med** 1991; 36:307–18 (33 ref.)

RADIOGRAPHY

Radiology of esophagitis: a pattern approach. Levine MS. **Radiology** 1991 Apr;179(1):1–7 (28 ref.)

ESOPHAGITIS, PEPTIC

Reflux esophagitis. Tytgat GN, et al. **Scand J Gastroenterol Suppl** 1990;175:1–12 (64 ref.)
[Gastroesophageal reflux and peptic esophagitis] Bianchi Porro G, et al. **Medicina (Firenze)** 1990 Jul–Sep; 10(3):243–50 (41 ref.) (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Complications of reflux esophagitis and their medical management. Kozarek RA. **Gastroenterol Clin North Am** 1990 Sep;19(3):713–31 (126 ref.)

DIAGNOSIS

Ancillary tests in the diagnosis of gastroesophageal reflux disease. Wu WC. **Gastroenterol Clin North Am** 1990 Sep; 19(3):671–82 (41 ref.)

DRUG THERAPY

Experience with omeprazole in erosive oesophagitis. Robinson MG, et al. **Aliment Pharmacol Ther** 1991;5 Suppl 1:69–77 (41 ref.)
Review article: a role for gastrointestinal prokinetic agents in the treatment of reflux oesophagitis? Verlinden M. **Aliment Pharmacol Ther** 1989 Apr;3(2):113–31 (109 ref.)
Sucralfate therapy and reflux esophagitis: an overview. Orlando RC. **Am J Med** 1991 Aug 8;91(2A):123S–124S (26 ref.)
Clinical development programme for omeprazole. Walan A. **Digestion** 1990;47 Suppl 1:54–8; discussion 76 (13 ref.)
The medical management of reflux esophagitis. Role of antacids and acid inhibition. Sontag SJ. **Gastroenterol Clin North Am** 1990 Sep;19(3):683–712 (104 ref.)
Clinical efficacy of famotidine in the treatment of acid-related diseases: an overview. Dammann HG. **Hepatogastroenterology** 1990 Jul;37 Suppl 1:2–5 (0 ref.)
Clinical studies of sucralfate in reflux esophagitis. The European experience. Hameeteman W. **J Clin Gastroenterol** 1991;13 Suppl 2:S16–20 (39 ref.)
[Pro-kinetic agents. Developments and indications] Layer P. **Z Gastroenterol Verh** 1991 Mar;26:157–8 (19 ref.) **(Ger)**

METABOLISM

Esophageal pH monitoring. de Caestecker JS, et al. **Gastroenterol Clin North Am** 1990 Sep;19(3):645–69 (131 ref.)

PATHOLOGY

Histology in the diagnosis of reflux esophagitis. Frierson HF Jr. **Gastroenterol Clin North Am** 1990 Sep;19(3):631–44 (43 ref.)

PHYSIOPATHOLOGY

Esophageal mucosal resistance. A factor in esophagitis. Goldstein JL, et al. **Gastroenterol Clin North Am** 1990 Sep; 19(3):565–86 (136 ref.)
Esophageal motor activity and acid clearance. Kahrilas PJ. **Gastroenterol Clin North Am** 1990 Sep;19(3):537–50 (32 ref.)

ESOPHAGITIS, REFLUX see **ESOPHAGITIS, PEPTIC**

ESOPHAGOGASTRIC JUNCTION

DRUG EFFECTS

Gastric emptying in gastroesophageal reflux and the therapeutic role of prokinetic agents. McCallum RW. **Gastroenterol Clin North Am** 1990 Sep;19(3):551–64 (57 ref.)

PHYSIOLOGY

Esophageal motor activity and acid clearance. Kahrilas PJ. **Gastroenterol Clin North Am** 1990 Sep;19(3):537–50 (32 ref.)
Current concepts of the antireflux barrier. Mittal RK. **Gastroenterol Clin North Am** 1990 Sep;19(3):501–16 (53 ref.)

PHYSIOPATHOLOGY

Pathophysiology of gastroesophageal reflux. Lower esophageal sphincter dysfunction in gastroesophageal reflux disease. Holloway RH, et al. **Gastroenterol Clin North Am** 1990 Sep;19(3):517–35 (93 ref.)
Pediatric gastroesophageal reflux disease. Sutphen JL. **Gastroenterol Clin North Am** 1990 Sep;19(3):617–29 (86 ref.)

SURGERY

Antireflux surgery. A surgeon's look. Hill LD, et al. **Gastroenterol Clin North Am** 1990 Sep;19(3):745–75 (39 ref.)

ESOPHAGOGASTRODUODENOSCOPY see **ENDOSCOPY, DIGESTIVE SYSTEM**

ESOPHAGOPLASTY

METHODS

[Cancer of the hypopharynx and cervical esophagus. Role and limits of the surgical treatment] Peracchia A, et al. **Chirurgie** 1990;116(4–5):351–7; discussion 357–8 (30 ref.) (Eng. Abstr.) **(Fre)**
[Auto-transplantation of small intestine, an emergency salvage procedure after failure of esophagoplasty] Germain MA, et al. **J Chir (Paris)** 1990 Dec;127(12):572–4 (8 ref.) (Eng. Abstr.) **(Fre)**

ESOPHAGOSCOPY

Endoscopic therapy of esophageal cancer: possibilities and limitations. Tytgat GN. **Endoscopy** 1990 Nov;22(6):263–7 (36 ref.)
Endoscopic diverticulotomy for the treatment of Zenker's diverticulum. Wayman DM, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):448–52 (25 ref.)

METHODS

Endoscopic control of upper gastrointestinal bleeding. Fleischer DE. **J Clin Gastroenterol** 1990;12 Suppl 2:S41–7 (16 ref.)
Esophageal and gastric endoscopy in critically ill patients. How can it help you? Taffet SL, et al. **Postgrad Med** 1991 Mar;89(4):123–6 (18 ref.)
Techniques for endoscopic obliteration of esophageal varices. Van Stiegmann G. **Surg Annu** 1991;23 Pt 1:175–202 (106 ref.)

VETERINARY

Upper gastrointestinal endoscopy. Guilford WG. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1209–27 (10 ref.)

ESOPHAGOTRACHEAL FISTULA see **TRACHEOESOPHAGEAL FISTULA**

ESOPHAGUS

Button battery ingestion: a review. Thompson N, et al. **Adverse Drug React Acute Poisoning Rev** 1990 Autumn; 9(3):157–80 (88 ref.)
Esophageal foreign bodies. Ratcliff KM. **Am Fam Physician** 1991 Sep;44(3):824–31 (24 ref.)
Removal of foreign bodies from the upper gastrointestinal tract of children. Towbin RB. **Curr Opin Radiol** 1990 Dec; 2(6):904–8 (5 ref.)

ABNORMALITIES

[Occurrence of cancers in duplications of the digestive tract] Schickedanz H, et al. **Z Kinderchir** 1990 Oct;45(5):304–7 (32 ref.) (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

The normal esophagus. DeNardi FG, et al. **Am J Surg Pathol** 1991 Mar;15(3):296–309 (69 ref.)

DRUG EFFECTS

[Manometry and drugs] Coccia G, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):115–20 (27 ref.) (Eng. Abstr.) **(Ita)**

INJURIES

Blast injury to the thoracic esophagus. Guth AA, et al. **Ann Thorac Surg** 1991 May;51(5):837–9 (25 ref.)
Oesophageal rupture due to air-blast injury in children: case report and review of the literature. Başaklar AC. **Z Kinderchir** 1990 Aug;45(4):257–9 (13 ref.)

INNERVATION

The avian oesophageal motor function and its nervous control: some physiological, pharmacological and comparative aspects. Mulè F. **Comp Biochem Physiol A** 1991;99(4):491–8 (58 ref.)

METABOLISM

Esophageal pH monitoring. de Caestecker JS, et al. **Gastroenterol Clin North Am** 1990 Sep;19(3):645–69 (131 ref.)

PATHOLOGY

Histology in the diagnosis of reflux esophagitis. Frierson HF Jr. **Gastroenterol Clin North Am** 1990 Sep;19(3):631–44 (43 ref.)
[A case of esophageal mucosal bridge] Yamashita J, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 May;88(5):1240–4 (23 ref.) **(Jpn)**

PHYSIOLOGY

Interactions, associations, and relationships between the lungs and the esophagus. Mansfield LE. **Clin Rev Allergy** 1990 Winter;8(4):381–94 (36 ref.)
Imaging of the pharynx and the esophagus. Halvorsen RA Jr. **Curr Opin Radiol** 1991 Jun;3(3):397–406 (30 ref.)
Esophageal pH monitoring: methodology, indication and interpretation. Vandenplas Y. **Eur J Pediatr Surg** 1991 Apr; 1(2):67–72 (60 ref.)
Esophageal mucosal resistance. A factor in esophagitis. Goldstein JL, et al. **Gastroenterol Clin North Am** 1990 Sep; 19(3):565–86 (136 ref.)
Esophageal motor activity and acid clearance. Kahrilas PJ. **Gastroenterol Clin North Am** 1990 Sep;19(3):537–50 (32 ref.)
Esophageal epithelial defense against acid injury. Orlando RC. **J Clin Gastroenterol** 1991;13 Suppl 2:S1–5 (29 ref.)
[Manometry and drugs] Coccia G, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):115–20 (27 ref.) (Eng. Abstr.) **(Ita)**
[Collection, survey and interpretation of pH-metry data] Mastropaolo G, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):71–6 (12 ref.) (Eng. Abstr.) **(Ita)**
[Esophageal pH monitoring: factors influencing the definition of normality] Savarino V, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):103–9 (20 ref.) (Eng. Abstr.) **(Ita)**
[Esophageal manometry: methods of investigation and interpretation of results] Zaninotto G, et al **Minerva Chir** 1991 Apr 15;46(7 Suppl):37–45 (20 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Ambulatory manometry. Janssens J, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):53–5 (20 ref.)
Recent studies of the pathophysiology and diagnosis of esophageal symptoms. Vantrappen G, et al. **Scand J Gastroenterol Suppl** 1990;175:34–41 (49 ref.)
[Possibilities of early diagnosis of autonomic neuropathy in diabetics] Tornóczky J, et al. **Orv Hetil** 1991 Mar 17; 132(11):571–4 (26 ref.) (Eng. Abstr.) **(Hun)**
[Ambulatory manometry] Bortolotti M. **Minerva Chir** 1991 Apr 15;46(7 Suppl):47–52 (12 ref.) (Eng. Abstr.) **(Ita)**
[Esophageal manometry and pH-monitoring in surgical indications] Moraldi A, et al. **Minerva Chir** 1991 Apr 15; 46(7 Suppl):189–93 (09 ref.) **(Ita)**
[Esophago-gastro-intestinal manometry: study methods and potential clinical applications] Pandolfo N, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):63–70 (26 ref.) (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Update on esophageal radiology. Levine MS, et al. **AJR Am J Roentgenol** 1990 Nov;155(5):933–41 (45 ref.)

SURGERY

Bleeding oesophageal varices and the surgeon. Shields R. **Br J Surg** 1991 May;78(5):513–5 (10 ref.)
Unusual problems in oesophageal surgery in childhood. Myers NA. **Prog Pediatr Surg** 1991;27:191–220 (86 ref.)
[Advances in pulmonary and esophageal surgeries] Huang XM. **Chung Hua Wai Ko Tsa Chih** 1991 Jan;29(1):41–4 (0 ref.) **(Chi)**
[Esophageal manometry and pH-monitoring in surgical indications] Moraldi A, et al. **Minerva Chir** 1991 Apr 15; 46(7 Suppl):189–93 (09 ref.) **(Ita)**

ULTRASONOGRAPHY

[Endoscopic ultrasound scanning of the upper gastrointestinal canal] Vilmann P, et al. **Ugeskr Laeger** 1991 Feb 4; 153(6):414–7 (25 ref.) (Eng. Abstr.) **(Dan)**

ESOPHAGUS, BARRETT see **BARRETT ESOPHAGUS**

ESOX see **SALMONIDAE**

ESSENTIAL AMINO ACIDS see **AMINO ACIDS, ESSENTIAL**

ESSENTIAL POLYARTERITIS see **PERIARTERITIS NODOSA**

ESTERASES

THERAPEUTIC USE

Enzymes as pretreatment drugs for organophosphate toxicity. Doctor BP, et al. **Neurosci Biobehav Rev** 1991 Spring; 15(1):123–8 (18 ref.)

ESTHETICS

Microliposuction and autologous fat transplantation for aesthetic enhancement of the aging face. Asken S. **J Dermatol Surg Oncol** 1990 Oct;16(10):965–72 (36 ref.)

Esthetic evaluation and treatment of the upper one third of the face. Arteaga DM, et al. **J Oral Maxillofac Surg** 1991 Jan;49(1):27–32 (10 ref.)

What are normal esthetic values? Pogrel MA. **J Oral Maxillofac Surg** 1991 Sep;49(9):963–9 (70 ref.)

Advances in aesthetic surgery. Mitz V. **World J Surg** 1990 Nov–Dec;14(6):825–8 (21 ref.)

[Orthopedics and esthetics] Aknin JJ. **Orthod Fr** 1991;62 Pt 1:101–36 (211 ref.) **(Fre)**

[Orthodontics and esthetics] Aknin JJ. **Orthod Fr** 1991;62 Pt 1:137–90 (211 ref.) **(Fre)**

[Effect of growth on esthetics] Busson E. **Orthod Fr** 1991; 62 Pt 1:71–100 (127 ref.) **(Fre)**

[Criteria and evaluation of facial esthetics] Raberin M. **Orthod Fr** 1991;62 Pt 1:21–70 (166 ref.) **(Fre)**

ESTHETICS, DENTAL

[Skeletal deep bite and esthetics] Aknin JJ. **Orthod Fr** 1989; 60 Pt 2:663–75 (12 ref.) (Eng. Abstr.) **(Fre)**

[Orthodontics and esthetics] Aknin JJ. **Orthod Fr** 1991;62 Pt 1:137–90 (211 ref.) **(Fre)**

[The evolution of fixed appliances towards esthetics] Altounian G. **Orthod Fr** 1991;62 Pt 1:251–90 (100 ref.) **(Fre)**

[Multi-disciplinary approaches to esthetics] Busson E. **Orthod Fr** 1991;62 Pt 1:191–249 (131 ref.) **(Fre)**

PSYCHOLOGY

Psychologic facets of esthetic dental health care: a developmental perspective. Levinson NA. **J Prosthet Dent** 1990 Oct;64(4):486–91 (43 ref.)

ESTRADIOL

ADMINISTRATION & DOSAGE

Transdermal estradiol. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic efficacy in the treatment of menopausal complaints. Balfour JA, et al. **Drugs** 1990 Oct;40(4):561–82 (73 ref.)

ANALOGS & DERIVATIVES

Regulatory mechanisms in breast cancer. Steroidal pure antiestrogens. Wakeling AE. **Cancer Treat Res** 1991; 53:239–57 (82 ref.)

Therapeutic potential of pure antioestrogens in the treatment of breast cancer. Wakeling AE. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):771–5 (36 ref.)

METABOLISM

Astrocytes within the hypothalamic arcuate nucleus contain estrogen-sensitive peroxidase, bind fluorescein-conjugated estradiol, and may mediate synaptic plasticity in the rat. Keefe DL, et al. **Am J Obstet Gynecol** 1991 Apr; 164(4):959–66 (54 ref.)

PHARMACOKINETICS

Equilibrium binding analysis of estrogen agonists and antagonists: relation to the activation of the estrogen receptor. Sasson S. **Pathol Biol (Paris)** 1991 Jan;39(1):59–69 (53 ref.)

PHARMACOLOGY

Effects of hormones on endometrial cancer cells in culture. Holinka CF, et al. **Ann N Y Acad Sci** 1991;622:422–38 (31 ref.)

Effect of oestradiol on dopamine receptors and protein kinase C activity in the rat pituitary: binding of oestradiol to pituitary membranes. Joubert-Bression D, et al. **Ciba Found Symp** 1990;153:156–68; discussion 168–71 (28 ref.)

In vitro effects of 17 beta-oestradiol on the sensitivity of receptors coupled to adenylate cyclase on striatal neurons in primary culture. Maus M, et al. **Ciba Found Symp** 1990; 153:145–53; discussion 153–5 (27 ref.)

PHYSIOLOGY

Role of estradiol in regulating ovarian follicular atresia in rhesus monkeys: a review. Hutz RJ, et al. **J Med Primatol** 1990;19(6):553–71 (46 ref.)

Evidence that the pacemaker controlling activity rhythms is shortened in male thyroparathyroidectomized (TPX) rats: similarities to the effects of estradiol in females. McEachron DL, et al. **Prog Clin Biol Res** 1990;341B:13–24 (30 ref.)

[Endocrinology and therapy of breast diseases] Breckwoldt M. **Zentralbl Gynakol** 1990;112(17):1097–9 (3 ref.) (Eng. Abstr.) **(Ger)**

[Molecular mechanisms of the effect of estradiol (the latest concept)] Sergeev PV, et al. **Vestn Akad Med Nauk SSSR** 1990;(6):57–62 (63 ref.) **(Rus)**

ESTRADIOL-17 BETA see **ESTRADIOL**

ESTRADIOL BINDING GLOBULIN see **SEX HORMONE-BINDING GLOBULIN**

ESTRADIOL RECEPTORS see **RECEPTORS, ESTRADIOL**

ESTRAMUSTINE

THERAPEUTIC USE

Mechanisms of action and clinical uses of estramustine. Benson R, et al. **Cancer Invest** 1990;8(3-4):375–80 (32 ref.)

ESTRAMUSTINPHOSPHATE see **ESTRAMUSTINE**

ESTRANES

Clinical experience with the recently developed progestogens. Skouby SO, et al. **Int J Fertil** 1991;36 Suppl 1:32–7 (19 ref.)

ESTRIOL

ADMINISTRATION & DOSAGE

[Transvaginal estrogen therapy in urinary stress incontinence] Sacco F, et al. **Minerva Ginecol** 1990 Dec;42(12):539–44 (27 ref.) (Eng. Abstr.) **(Ita)**

PHARMACOKINETICS

Equilibrium binding analysis of estrogen agonists and antagonists: relation to the activation of the estrogen receptor. Sasson S. **Pathol Biol (Paris)** 1991 Jan;39(1):59–69 (53 ref.)

THERAPEUTIC USE

[Presenile and senile vulvovaginitis. Topical hormonal treatment with estriol] Sonni R, et al. **Minerva Ginecol** 1991 Apr;43(4):177–9 (10 ref.) (Eng. Abstr.) **(Ita)**

URINE

Urinary oestriol assay for monitoring fetoplacental function. Beischer N, et al. **Aust N Z J Obstet Gynaecol** 1991 Feb; 31(1):1–8 (11 ref.)

ESTROGEN ANALOGS see **ESTROGENS, SYNTHETIC**

ESTROGEN ANTAGONISTS

Introduction to toremifene. Kangas L. **Breast Cancer Res Treat** 1990 Aug;16 Suppl:S3–7 (14 ref.)

Preclinical studies with toremifene as an antitumor agent. Robinson SP, et al. **Breast Cancer Res Treat** 1990 Aug;16 Suppl:S9–17 (25 ref.)

"The only true antiestrogen is no estrogen". Jordan VC. **Mol Cell Endocrinol** 1990 Dec 21;74(3):C91–5 (54 ref.)

[Antiestrogen receptors. What is their purpose?] Levin E, et al. **Medicina (B Aires)** 1990;50(1):74–80 (49 ref.) **(Spa)**

METABOLISM

[The anti-estrogenic effect of 4-chloro-1,2-diphenyl-1-(4-[2-(N,N-dimethylamino) ethoxy]phenyl)1-butene (Toremifene) on the endocrine regulation in breast cancer patients] Számel I, et al. **Orv Hetil** 1991 Mar 31;132(13):683–6 (22 ref.) (Eng. Abstr.) **(Hun)**

PHARMACOLOGY

Growth factors as mediators of estrogen/antiestrogen action in human breast cancer cells. Arteaga CL, et al. **Cancer Treat Res** 1991;53:289–304 (71 ref.)

Regulatory mechanisms in breast cancer. Estrogen and progesterone receptors. Martin MB, et al. **Cancer Treat Res** 1991;53:273–88 (79 ref.)

Endocrine pharmacology of antiestrogens as antitumor agents. Jordan VC, et al. **Endocr Rev** 1990 Nov; 11(4):578–610 (454 ref.)

Inhibition of aromatase in vitro and in vivo by aromatase inhibitors. Bhatnagar AS, et al. **J Enzym Inhib** 1990; 4(2):179–86 (26 ref.)

Anti-steroidal and anti-growth factor activities of anti-estrogens. Freiss G, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):777–81 (40 ref.)

Modulation of oestrogen receptor activity by oestrogens and anti-oestrogens. Green S. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):747–51 (31 ref.)

Antiestrogen action in mammary cancer and in fetal cells. Pasqualini JR, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):343–8 (33 ref.)

Gonadal hormones and antihormones, serotonin and mood. Halbreich U. **Psychopharmacol Bull** 1990;26(3):291–5 (15 ref.)

THERAPEUTIC USE

Prelude to breast cancer prevention with an antiestrogen. Jordan VC. **Ann Oncol** 1990 Sep;1(5):327–8 (9 ref.)

Phase II trials with toremifene in advanced breast cancer: a review. Valavaara R. **Breast Cancer Res Treat** 1990 Aug; 16 Suppl:S31–5 (17 ref.)

Predictive value of tumor estrogen and progesterone receptor levels in postmenopausal women with advanced breast cancer treated with toremifene. Valavaara R, et al. **Cancer** 1990 Dec 1;66(11):2264–9 (47 ref.)

Antiestrogen therapy for breast cancer: current strategies and potential causes for therapeutic failure. Iino Y, et al. **Cancer Treat Res** 1991;53:221–37 (105 ref.)

Regulatory mechanisms in breast cancer. Steroidal pure antiestrogens. Wakeling AE. **Cancer Treat Res** 1991; 53:239–57 (82 ref.)

Novel approaches to the endocrine therapy of breast cancer. Dowsett M. **Eur J Cancer** 1990;26(9):989–92 (29 ref.)

Clinical use of aromatase inhibitors: current data and future perspectives. Santen RJ. **J Enzym Inhib** 1990;4(2):79–99 (99 ref.)

Therapeutic potential of pure antioestrogens in the treatment of breast cancer. Wakeling AE. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):771–5 (36 ref.)

Risk/benefit considerations of antiestrogen/estrogen therapy in healthy postmenopausal women. Miller AB. **Prev Med** 1991 Jan;20(1):79–85 (9 ref.)

[Antihormonal treatments in breast cancer in the woman. Role of estrogen antagonists] Saez S. **Bull Cancer (Paris)** 1990;77(9):911–6 (19 ref.) (Eng. Abstr.) **(Fre)**

ESTROGEN RECEPTORS see **RECEPTORS, ESTROGEN**

ESTROGEN REPLACEMENT THERAPY

Estrogen prophylaxis. The U.S. Preventive Services Task Force. **Am Fam Physician** 1990 Nov;42(5):1293–6 (44 ref.)

Can the withdrawal bleed following oestrogen replacement therapy be avoided? Leather AT, et al. **Br J Obstet Gynaecol** 1990 Dec;97(12):1071–4 (22 ref.)

Menopause: estrogen replacement, osteoporosis, and serum lipoproteins. Gnatuk CL, et al. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):187–94 (15 ref.)

Transdermal estradiol. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic efficacy in the treatment of menopausal complaints. Balfour JA, et al. **Drugs** 1990 Oct;40(4):561–82 (73 ref.)

Perimenopausal hormone replacement therapy. Review of the literature. Lichtman R. **J Nurse Midwifery** 1991 Jan–Feb;36(1):30–48 (198 ref.)

Sex steroids and osteoporosis: effects of deficiencies and substitutive treatments. Schot LP, et al. **J Steroid Biochem Mol Biol** 1990 Oct;37(2):167–82 (182 ref.)

Hormonal replacement therapy and the skeletal system. Christiansen C, et al. **Maturitas** 1990 Sep;12(3):247–57 (58 ref.)

Emotional well-being, sexual behaviour and hormone replacement therapy. Hunter MS. **Maturitas** 1990 Sep; 12(3):299–314 (108 ref.)

Clinical use of oestrogens and progestogens. Lauritzen C. **Maturitas** 1990 Sep;12(3):199–214 (42 ref.)

Ovarian hormones and the circulation. Sarrel PM. **Maturitas** 1990 Sep;12(3):287–98 (63 ref.)

Hormone replacement therapy and the menopause. Australian Menopause Society. MacLennan AH. **Med J Aust** 1991 Jul 1;155(1):43–4 (0 ref.)

Hormone replacement therapy and coronary heart disease. Ettinger B. **Obstet Gynecol Clin North Am** 1990 Dec; 17(4):741–57 (73 ref.)

The question of estrogen replacement therapy in patients with a prior diagnosis of breast cancer. Spicer D, et al. **Oncology (Williston Park)** 1990 Dec;4(12):49–54, 59; discussion 59, 62 (35 ref.)

Endometrial thickness after menopause: effect of hormone replacement [see comments] Lin MC, et al. **Radiology** 1991 Aug;180(2):427–32 (20 ref.) Comment in: Radiology 1991 Aug;180(2):306.

[Estrogens, anabolic steroids and postmenopausal osteoporosis: what are the facts?] Birkenhäger JC. **Ned Tijdschr Geneeskd** 1991 Jun 1;135(22):973–5 (26 ref.) **(Dut)**

[Postmenopausal osteoporosis: pathophysiology and prevention] Birkhäuser M. **Schweiz Rundsch Med Prax** 1991 Apr 16;80(16):418–22 (31 ref.) (Eng. Abstr.) **(Ger)**

[Prevention of postmenopausal osteoporosis] Birkhäuser M. **Ther Umsch** 1991 Feb;48(2):77–83 (17 ref.) (Eng. Abstr.) **(Ger)**

[Hormone substitution in the female climacteric--goals, means, effects] Hauser GA. **Ther Umsch** 1990 Dec; 47(12):970–84 (40 ref.) (Eng. Abstr.) **(Ger)**

[Comparative analysis of therapeutic effects of carbocalcitonin and and conjugated estrogens in post-menopausal osteoporosis] Surico N, et al. **Minerva Ginecol** 1990 Dec;42(12):529–37 (35 ref.) (Eng.

Abstr.) **(Ita)**
[Current view on the use of steroidal estrogens during menopause in women] Szymasiuk J, et al. **Pol Tyg Lek** 1989 Dec 2–24;44(49–52):965–9 (37 ref.) **(Pol)**
[The effect of hormonal drugs used during menopause on the cardiovascular system] Szymasiuk J, et al. **Pol Tyg Lek** 1989 Dec 2–24;44(49–52):970–2 (20 ref.) **(Pol)**

ADVERSE EFFECTS

A risk–benefit assessment of estrogen therapy in postmenopausal women. Cust MP, et al. **Drug Saf** 1990 Sep–Oct;5(5):345–58 (81 ref.)
Risks of estrogens and progestogens. L'Hermite M. **Maturitas** 1990 Sep;12(3):215–46 (199 ref.)
Antiestrogen chemoprevention of breast cancer: critical issues and research. Love RR. **Prev Med** 1991 Jan; 20(1):64–78 (94 ref.)
Epidemiologic data on exogenous hormones and hepatocellular carcinoma and selected other cancers. Prentice RL. **Prev Med** 1991 Jan;20(1):38–46 (14 ref.)
[Hormonal contraception and postmenopausal estrogen substitution in relation to malignant tumors] Lauritzen C. **Zentralbl Gynakol** 1990;112(17):1071–90 (104 ref.) (Eng. Abstr.) **(Ger)**

CONTRAINDICATIONS

Estrogen replacement therapy: is previously treated cancer a contraindication? Creasman WT. **Obstet Gynecol** 1991 Feb;77(2):308–12 (20 ref.)

METHODS

Estrogen therapy and cardiovascular risk in women. Bass KM, et al. **J La State Med Soc** 1991 May;143(5):33–9 (78 ref.)
[Estrogen substitution therapy in climacteric: should progesterone be omitted in hysterectomized women?] Huber J. **Geburtshilfe Frauenheilkd** 1991 Apr;51(4):257–61 (35 ref.) (Eng. Abstr.) **(Ger)**
[Female hypogonadism and preventive hormonal substitution] Hempel E. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):159–64 (18 ref.) **(Ger)**

STANDARDS

Risk/benefit considerations of antiestrogen/estrogen therapy in healthy postmenopausal women. Miller AB. **Prev Med** 1991 Jan;20(1):79–85 (9 ref.)
Estrogen replacement therapy and coronary heart disease: a quantitative assessment of the epidemiologic evidence. Stampfer MJ, et al. **Prev Med** 1991 Jan;20(1):47–63 (41 ref.)

ESTROGENS

ADMINISTRATION & DOSAGE

Present status of contraceptive vaginal rings. Jackson R, et al. **Adv Contracept** 1990 Sep;6(3):169–76 (17 ref.)
[Effects and side effects of estrogens and gestagens in pediatric and adolescent gynecology] Lauritzen C. **Monatsschr Kinderheilkd** 1990 Oct;138(10):651–5 (0 ref.) (Eng. Abstr.) **(Ger)**
[Use of estrogens during and after menopause. A statement from a consensus conference on the use of estrogens during and after menopause, Soria Moria, Oslo 27–29 November 1990] **Tidsskr Nor Laegeforen** 1991 Jan 10;111(1):75–7 (0 ref.) **(Nor)**
[Hormonal substitution after menopause—advantages and risks] Bengtsson C. **Lakartidningen** 1990 Dec 12; 87(50):4331–3 (15 ref.) **(Swe)**

ADVERSE EFFECTS

Permanent infertility in ewes exposed to plant oestrogens. Adams NR. **Aust Vet J** 1990 Jun;67(6):197–201 (39 ref.)
Epidemiology of endometrial cancer. Voigt LF, et al. **Cancer Treat Res** 1989;49:1–21 (132 ref.)
Erythema nodosum, estrogens, and pregnancy. Bartelsmeyer JA, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):777–81 (19 ref.)

BIOSYNTHESIS

Highly selective inhibition of estrogen biosynthesis by CGS 20267, a new non-steroidal aromatase inhibitor. Bhatnagar AS, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20; 37(6):1021–7 (19 ref.)

BLOOD

The gonadotrophin surge in humans: its mechanism and role in ovulatory function—a review. Goh HH, et al. **Ann Acad Med Singapore** 1990 Jul;19(4):524–9 (24 ref.)
[Hormone-dependent genital carcinomas] Schindler AE. **Zentralbl Gynakol** 1991;113(8):419–22 (31 ref.) (Eng. Abstr.) **(Ger)**

CONTRAINDICATIONS

Management of menopause when estrogen cannot be used. Young RL, et al. **Drugs** 1990 Aug;40(2):220–30 (59 ref.)

DEFICIENCY

Mechanical loading, estrogen deficiency, and the coupling of bone formation to bone resorption [comment] Rodan GA. **J Bone Miner Res** 1991 Jun;6(6):527–30 (64 ref.) Comment on: J Bone Miner Res 1991 Jun;6(6):583–90.
[Hypergonadotropic amenorrhea] Khdaïb F, et al. **Akush Ginekol (Mosk)** 1991 Jan;(1):9–12 (65 ref.) **(Rus)**

METABOLISM

Two concepts. II: Effect of estrogen on the skeleton and pelvic ligaments of hens and mammals: experimental and clinical aspects. Sutro CJ, et al. **Bull Hosp Jt Dis Orthop Inst** 1991 Spring;51(1):46–53 (36 ref.)
Reproductive steroid hormones: generation, degradation, reception, and action. Witt BR, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):563–75 (16 ref.)

PHARMACOKINETICS

Pharmacokinetics of oestrogens and progestogens. Kuhl H. **Maturitas** 1990 Sep;12(3):171–97 (70 ref.)

PHARMACOLOGY

Estrogen, calcium metabolism and the skeleton. Lindsay R, et al. **Ann N Y Acad Sci** 1991;622:307–14 (36 ref.)
Growth factors as mediators of estrogen/antiestrogen action in human breast cancer cells. Arteaga CL, et al. **Cancer Treat Res** 1991;53:289–304 (71 ref.)
Regulatory mechanisms in breast cancer. Estrogen and progesterone receptors. Martin MB, et al. **Cancer Treat Res** 1991;53:273–88 (79 ref.)
Contraception—a look forward, Part III: Inhibin and brain–enhanced estrogen delivery. Woolley RJ. **J Am Board Fam Pract** 1991 May–Jun;4(3):159–66 (29 ref.)
Transition of human breast cancer cells from an oestrogen responsive to unresponsive state. Darbre PD, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):753–63 (51 ref.)
Modulation of oestrogen receptor activity by oestrogens and anti-oestrogens. Green S. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):747–51 (31 ref.)
Gonadal hormones and antihormones, serotonin and mood. Halbreich U. **Psychopharmacol Bull** 1990;26(3):291–5 (15 ref.)
Gonadal hormones, sex and behavior. Halbreich U, et al. **Psychopharmacol Bull** 1990;26(3):297–301 (20 ref.)

PHYSIOLOGY

The role of prostaglandins and ovarian hormones in the regulation of human uterine contractility. Bygdeman M, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991;21B:799–806 (14 ref.)
Oestrogens, joint disease, and cartilage. Chander CL, et al. **Ann Rheum Dis** 1991 Mar;50(3):139–40 (23 ref.)
Endocrine control of plasma lipoprotein metabolism: effects of gonadal steroids. Crook D, et al. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):851–75 (165 ref.)
Control of human breast cancer by estrogen, growth factors, and oncogenes. Dickson RB, et al. **Cancer Treat Res** 1988; 40:119–65 (316 ref.)
Steroid modulation of the expression of growth factors and oncogenes in breast cancer. McCarty KS Jr, et al. **Cancer Treat Res** 1991;53:197–220 (125 ref.)
Estrogen-regulated messenger RNAs in human breast cancer cells. Westley B, et al. **Cancer Treat Res** 1991;53:259–71 (27 ref.)
Biology of female sex hormone action in relation to contraceptive agents and neoplasia. King RJ. **Contraception** 1991 Jun;43(6):527–42 (73 ref.)
The role of estrogens in growth regulation of breast cancer. Davidson NE, et al. **Crit Rev Oncog** 1989;1(1):89–111 (301 ref.)
Effects and role of estrogens in avian gonadal differentiation. Scheib D. **Differentiation** 1983;23 Suppl:S87–92 (69 ref.)
Hepatic regeneration. Effects of age, sex hormone status, prolactin, and cyclosporine. Van Thiel DH, et al. **Dig Dis Sci** 1991 Sep;36(9):1309–12 (37 ref.)
Uterine insulin-like growth factor-1: regulation of expression and its role in estrogen-induced uterine proliferation. Murphy LJ, et al. **Endocr Rev** 1990 Aug;11(3):443–53 (97 ref.)
Sex steroids and osteoporosis: effects of deficiencies and substitutive treatments. Schot LP, et al. **J Steroid Biochem Mol Biol** 1990 Oct;37(2):167–82 (182 ref.)
Estrogen and coronary heart disease in women. Barrett-Connor E, et al. **JAMA** 1991 Apr 10; 265(14):1861–7 (91 ref.)
Ovarian hormones and the circulation. Sarrel PM. **Maturitas** 1990 Sep;12(3):287–98 (63 ref.)
Estrogens, progestins, and headache. Silberstein SD, et al. **Neurology** 1991 Jun;41(6):786–93 (132 ref.)
The influence of female hormones on malignant melanoma. Franceschi S, et al. **Tumori** 1990 Oct 31;76(5):439–49 (90 ref.)
[Veins and hormones: a conflicting couple] Flabeau-Tugaye C. **Rev Fr Gynecol Obstet** 1990 Jul–Sep;85(7–9):487–90 (12 ref.) (Eng. Abstr.) **(Fre)**
[Heterologous hormonal regulation in the mammary gland] Sapag-Hagar M, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):183–7 (19 ref.) (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Can the withdrawal bleed following oestrogen replacement therapy be avoided? Leather AT, et al. **Br J Obstet Gynaecol** 1990 Dec;97(12):1071–4 (22 ref.)
Oestrogen, the prevention of bone loss and osteoporosis. Fogelman I. **Br J Rheumatol** 1991 Aug;30(4):276–81 (63 ref.)
Hormonal manipulation of human hepatocellular carcinoma. A clinical investigative and therapeutic opportunity. Carr BI, et al. **J Hepatol** 1990 Nov;11(3):287–9 (30 ref.)
Hormonal prevention and treatment of osteoporosis—state of the art 1990. Christiansen C. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):447–9 (23 ref.)
Hormone replacement therapy and the menopause. Australian Menopause Society. MacLennan AH. **Med J Aust** 1991 Jul 1;155(1):43–4 (0 ref.)
Estrogen therapy during menopause and the treatment of osteoporosis. Noyes MA, et al. **Prim Care** 1990 Sep; 17(3):647–66 (137 ref.)

TOXICITY

Estrogen carcinogenesis in hamster tissues: a critical review. Li JJ, et al. **Endocr Rev** 1990 Nov;11(4):524–31 (89 ref.)
Role of metabolic activation in the carcinogenicity of estrogens: studies in an animal liver tumor model. Metzler M, et al. **Environ Health Perspect** 1990 Aug;88:117–21 (16 ref.)
Nephrocarcinogenicity of estrogens. Metzler M. **Toxicol Lett** 1990 Sep;53(1–2):111–4 (14 ref.)

ESTROGENS, CATECHOL see **CATECHOL ESTROGENS**

ESTROGENS, SYNTHETIC

ADMINISTRATION & DOSAGE

[Current view on the use of steroidal estrogens during menopause in women] Szymasiuk J, et al. **Pol Tyg Lek** 1989 Dec 2–24;44(49–52):965–9 (37 ref.) **(Pol)**
[Patches: a new way for substitute estrogen therapy (editorial)] Palacios S. **Med Clin (Barc)** 1990 Sep 22; 95(9):336–7 (15 ref.) **(Spa)**

PHARMACOKINETICS

[Pharmacodynamics of synthetic estrogens. Review article] Sojo-Aranda I, et al. **Ginecol Obstet Mex** 1990 Oct; 58:277–83 (31 ref.) (Eng. Abstr.) **(Spa)**
[Pharmacodynamics of synthetic estrogens. A review] Sojo-Aranda I, et al. **Ginecol Obstet Mex** 1990 Oct; 58:277–83 (31 ref.) (Eng. Abstr.) **(Spa)**

PHARMACOLOGY

[The effect of corticosteroids and estrogens on the function of natural killers] Shparik IaV, et al. **Probl Endokrinol (Mosk)** 1990 Nov–Dec;36(6):84–9 (80 ref.) **(Rus)**
[The molecular mechanisms of the action of steroid hormones and the reasons for breast cancer resistance to hormonal therapy] Gnatyshak AI, et al. **Vopr Onkol** 1991;37(2):131–6 (32 ref.) **(Rus)**

ESTROUS CYCLE see **ESTRUS**

ESTRUS

Clinical approach to infertility in the cycling bitch. Freshman JL. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):427–35 (29 ref.)

PHYSIOLOGY

The ovarian remnant syndrome in the bitch and queen. Wallace MS. **Vet Clin North Am Small Anim Pract** 1991 May;21(3):501–7 (21 ref.)

ESTRUS SYNCHRONIZATION

Out-of-season breeding in goats. Haibel GK. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):577–83 (56 ref.)

ESWL (EXTRACORPOREAL SHOCKWAVE LITHOTRIPSY) see **LITHOTRIPSY**

ETHAMSYLATE

ADMINISTRATION & DOSAGE

[Intra-partum ethamsylate (dicynone) administration in the prevention of cerebral hemorrhage in premature infants] Györe F, et al. **Orv Hetil** 1990 Dec 16;131(50):2747–52 (26 ref.) (Eng. Abstr.) **(Hun)**

THERAPEUTIC USE

Risk–benefit assessment of drugs used for the treatment of menstrual disorders. Higham JM, et al. **Drug Saf** 1991 May–Jun;6(3):183–91 (47 ref.)

ETHANE

METABOLISM

Correlations and apparent contradictions in assessment of oxidant stress status in vivo. Smith CV. **Free Radic Biol Med** 1991;10(3–4):217–24 (61 ref.)

ETHANE NITRILES see **ACETONITRILES**

ETHANEDIOLS see **ETHYLENE GLYCOLS**

ETHANEHYDROXYDIPHOSPHONATE see **SODIUM ETIDRONATE**

ETHANOL see **ALCOHOL, ETHYL**

ETHANOLAMINES

CHEMISTRY

N-acylated glycerophospholipids and their derivatives. Schmid HH, et al. **Prog Lipid Res** 1990;29(1):1–43 (204 ref.)

METABOLISM

Derangements in cerebral osmohomeostasis: a common denominator for stimulation of taurine and phosphoethanolamine release. Lehmann A. **Prog Clin Biol Res** 1990;351:337–47 (34 ref.)

THERAPEUTIC USE

Long-acting beta 2-adrenoceptor agonists: a new perspective in the treatment of asthma. Löfdahl CG, et al. **Eur Respir J** 1991 Feb;4(2):218–26 (74 ref.)

ETHCHLOROVYNOL see **ETHCHLORVYNOL**

ETHCHLORVINOL see **ETHCHLORVYNOL**

ETHCHLORVYNOL

BLOOD

Ethchlorvynol ingestion in San Diego County: a 14-year review of cases with blood concentrations and findings. Bailey DN, et al. **J Anal Toxicol** 1990 Nov–Dec; 14(6):348–52 (13 ref.)

ETHER PHOSPHATIDATES see **PHOSPHOLIPID ETHERS**

ETHER PHOSPHOLIPIDS see **PHOSPHOLIPID ETHERS**

ETHERS

Desflurane and sevoflurane: inhalation anaesthetics for this decade? Jones RM. **Br J Anaesth** 1990 Oct;65(4):527–36 (66 ref.)

CHEMICAL SYNTHESIS

[Ether lipids—synthesis and application in tumor therapy] Zeisig R, et al. **Pharmazie** 1990 Nov;45(11):809–18 (133 ref.) **(Ger)**

METABOLISM

Reaction of thiyl radicals with alcohols, ethers and polyunsaturated fatty acids: a possible role of thiyl free radicals in thiol mutagenesis? Schöneich C, et al. **Radiat Environ Biophys** 1990;29(4):263–71 (40 ref.)

PHARMACOKINETICS

[The biotransformation and nephrotoxicity of fluorinated ether anesthetics] Davidkova T. **Khirurgiia (Sofiia)** 1990; 43(3):1–7 (31 ref.) **(Bul)**

THERAPEUTIC USE

Current options for the management of gallstones. Desmond PV. **Med J Aust** 1991 Mar 18;154(6):400–1, 404–6 (22 ref.)

Topical dissolution treatment of cholesterol gallstones with methyl tert-butyl ether. Thistle JL. **Semin Liver Dis** 1990 Aug;10(3):187–90 (13 ref.)

[Change in the assessment of trauma in surgery and internal medicine with the treatment of gallstones as an example] Kümmerle F, et al. **Dtsch Med Wochenschr** 1990 Dec 21; 115(51–52):1971–4 (26 ref.) **(Ger)**

ETHICS

see related
CONFIDENTIALITY
HUMAN RIGHTS

Ethics consultation: skills, roles, and training [see comments] La Puma J, et al. **Ann Intern Med** 1991 Jan 15;114(2):155–60 (79 ref.) Comment in: Ann Intern Med 1991 May 1;114(9):807–8.

Native ethics and rules of behaviour. Brant CC. **Can J Psychiatry** 1990 Aug;35(6):534–9 (29 ref.)

Ethics, AIDS, and community responsibility. Douard J. **Theor Med** 1990 Sep;11(3):213–26 (13 ref.)

[Ethical and political questions regarding experimental genetics] Fey H. **Schweiz Arch Tierheilkd** 1991;133(1):5–11 (24 ref.) **(Ger)**

ETHICS, DENTAL

EDUCATION

Ethics for the practicing dentist. Can ethics be taught? A look at the evidence. Bebeau MJ. **J Am Coll Dent** 1991 Spring;58(1):5, 10–5 (24 ref.)

ETHICS, INSTITUTIONAL

Ethics committees in hospitals: alternative structures and responsibilities. Robertson JA. **Issues Law Med** 1991 Summer;7(1):83–91 (20 ref.)

ETHICS, MEDICAL

see related
HUMAN EXPERIMENTATION

Is it ethical to treat healthy short children with growth hormone? Underwood LE, et al. **Acta Paediatr Scand Suppl** 1989;362:18–23 (20 ref.)

Elective use of life-sustaining treatments in internal medicine. Singer PA, et al. **Adv Intern Med** 1991;36:57–79 (84 ref.)

Occupational transmission of HIV: the ethics of physician risk and responsibility. Cooke M. **AIDS Clin Rev** 1990;:1–10 (20 ref.)

Ethical issues in geriatric nephrology: overview. Cummings NB. **Am J Kidney Dis** 1990 Oct;16(4):367–71 (15 ref.)

Ethics and AIDS: a summary of the law and a critical analysis of the individual physician's ethical duty to treat. Tegtmeier JW. **Am J Law Med** 1990;16(1–2):249–65 (102 ref.)

Does obstetric ethics have any role in the obstetrician's response to the abortion controversy? [see comments] Chervenak FA, et al. **Am J Obstet Gynecol** 1990 Nov;163(5 Pt 1):1425–9 (17 ref.) Comment in: Am J Obstet Gynecol 1991 Jun;164(6 Pt 1):1686.

The do-not-resuscitate order. Ethical and legal imperative or medical decision? Snider GL. **Am Rev Respir Dis** 1991 Mar;143(3):665–74 (76 ref.)

Rewarding medicine: good doctors and good behavior [comment] Arnold RM, et al. **Ann Intern Med** 1990 Nov 15;113(10):794–8 (64 ref.) Comment on: Ann Intern Med 1990 Nov 15;113(10):790–3.

Economic incentives for ethical and courteous behavior in medicine. A proposal [see comments] Erde EL. **Ann Intern Med** 1990 Nov 15;113(10):790–3 (24 ref.) Comment in: Ann Intern Med 1990 Nov 15;113(10):794–8.

Legal and ethical aspects of deliberate G-induced loss of consciousness experiments. Euretig JG. **Aviat Space Environ Med** 1991 Jul;62(7):628–31 (15 ref.)

Legal and ethical issues in the laboratory assessment of genetic susceptibility to cancer. Rothstein MA. **Birth Defects** 1990;26(1):179–90 (38 ref.)

Ethics and the law: the law and assisted human conception. Brahams D. **Br Med Bull** 1990 Jul;46(3):850–9 (15 ref.)

Who's afraid of forensic psychiatry? Miller RD. **Bull Am Acad Psychiatry Law** 1990;18(3):235–47 (72 ref.)

Legal and ethical issues relating to AIDS. Bayer R, et al. **Bull Pan Am Health Organ** 1990;24(4):454–68 (28 ref.)

Methodologies for clinical ethics. Drane JF. **Bull Pan Am Health Organ** 1990;24(4):394–404 (0 ref.)

The relationship of autonomy and integrity in medical ethics. Pellegrino ED. **Bull Pan Am Health Organ** 1990; 24(4):361–71 (22 ref.)

Ethical principles of biomedical research on human subjects: their application and limitations in Latin America and the Caribbean. Serrano LaVertu D, et al. **Bull Pan Am Health Organ** 1990;24(4):469–79 (12 ref.)

Hospital ethics committees. Tealdi JC, et al. **Bull Pan Am Health Organ** 1990;24(4):410–8 (32 ref.)

Ethical problems of medical technology. Vilardell F. **Bull Pan Am Health Organ** 1990;24(4):379–85 (19 ref.)

The ethics of randomization. Kodish E, et al. **CA** 1991 May–Jun;41(3):180–6 (22 ref.)

The ethics of forced feeding in anorexia nervosa [see comments] Hébert PC, et al. **Can Med Assoc J** 1991 Jan 15;144(2):141–4 (38 ref.) Comment in: Can Med Assoc J 1991 May 15;144(10):1205–8.

Access to high-tech health care. Ethics. Merrill JM. **Cancer** 1991 Mar 15;67(6 Suppl):1750–2 (6 ref.)

Consensus report on the ethics of foregoing life-sustaining treatments in the critically ill. Task Force on Ethics of the Society of Critical Care Medicine. **Crit Care Med** 1990 Dec;18(12):1435–9 (4 ref.)

Ethical and moral issues and government legislation. Hightower MD, et al. **Curr Opin Obstet Gynecol** 1989 Oct; 1(1):80–6 (8 ref.)

Supportive care in patients with cancer: quality of life and ethical issues. Feld R. **Curr Opin Oncol** 1990 Oct;2(5):924–8 (6 ref.)

Ethical dilemmas in providing nutrition. Groher ME. **Dysphagia** 1990;5(2):102–9 (27 ref.)

AIDS, a social dilemma: detection of seropositives. Enel P, et al. **Eur J Epidemiol** 1991 Mar;7(2):139–46 (109 ref.)

Ethical problems raised by anti-HIV vaccination. Enel P, et al. **Eur J Epidemiol** 1991 Mar;7(2):147–53 (72 ref.)

Ethical issues in human genome research. Murray TH. **FASEB J** 1991 Jan;5(1):55–60 (32 ref.)

Moral dilemmas in neonatal medicine. Saugstad OD. **Int J Technol Assess Health Care** 1991;7 Suppl 1:133–5 (4 ref.)

Indirectly intended life-shortening analgesia: clarifying the principles. Barry FR, et al. **Issues Law Med** 1990 Fall; 6(2):117–51 (133 ref.)

Institutional ethics committees and case consultation: is there a role? Gramelspacher GP. **Issues Law Med** 1991 Summer; 7(1):73–82 (39 ref.)

Ethics committees in hospitals: alternative structures and responsibilities. Robertson JA. **Issues Law Med** 1991 Summer;7(1):83–91 (20 ref.)

Decisionmaking regarding the initiation of tube feedings in the severely demented elderly: a review. Meyers RM, et al. **J Am Geriatr Soc** 1991 May;39(5):526–31 (25 ref.)

Community dialogues on ethical issues of health care for the disabled. Slater RJ. **J Am Paraplegia Soc** 1990 Jul; 13(3):48–52 (14 ref.)

Anencephalic infants as organ donors: the medical, legal, moral and economic issues. The Bioethics Committee of Arkansas Children's Hospital. Taylor BJ, et al. **J Arkansas Med Soc** 1990 Oct;87(5):184–7 (10 ref.)

Cancer risk notification: psychosocial and ethical implications. Lerman C, et al. **J Clin Oncol** 1991 Jul; 9(7):1275–82 (82 ref.)

The advertising of doctors' services. Irvine DH. **J Med Ethics** 1991 Mar;17(1):35–40 (8 ref.)

An ethnomedical perspective of medical ethics. Fabrega H Jr. **J Med Philos** 1990 Dec;15(6):593–625 (65 ref.)

Nurses and physicians on nutritional support: a comparison. Liaschenko J, et al. **J Med Philos** 1991 Jun;16(3):259–83 (50 ref.)

Chronic illness and the physician-patient relationship: a response to the Hastings Center's "ethical challenges of chronic illness". Moros DA, et al. **J Med Philos** 1991 Apr; 16(2):161–81 (12 ref.)

Psychoactive drug prescribing in Japan: epistemological and bioethical considerations. Sakai A. **J Med Philos** 1991 Apr; 16(2):139–53; discussion 155–60 (32 ref.)

The irreducibly clinical character of bioethics. Wear S. **J Med Philos** 1991 Feb;16(1):53–70 (16 ref.)

Clinical judgment and bioethics: the decision making link. Wright RA. **J Med Philos** 1991 Feb;16(1):71–91 (74 ref.)

Meningomyelocele in the neonate: medical and ethical considerations. Steinberg A. **J Perinatol** 1991 Mar; 11(1):51–6 (48 ref.)

Risk prediction in medicine and surgery: ethical and practical considerations. Seymour DG, et al. **J R Coll Physicians Lond** 1990 Jul;24(3):173–7 (36 ref.)

On psychotherapist-patient sex: discussion paper. Palermo GB. **J R Soc Med** 1990 Nov;83(11):715–9 (30 ref.)

Cardiopulmonary resuscitation: a panacea or an ethical decision? Discussion paper. Westwood DM, et al. **J R Soc Med** 1990 Nov;83(11):713–4 (3 ref.)

Ethical considerations and controversies in transplantation. Bell NK, et al. **J S C Med Assoc** 1991 Jun;87(6):336–9 (13 ref.)

Drug testing: medical, legal, and ethical issues. Miller NS, et al. **J Subst Abuse Treat** 1990;7(4):239–44 (33 ref.)

Ethical aspects of human experimentation in health services research. Brett A, et al. **JAMA** 1991 Apr 10;265(14):1854–7 (18 ref.)

Ethics. Pellegrino ED. **JAMA** 1991 Jun 19;265(23):3118–9 (31 ref.)

Biomedical experimentation on the mentally handicapped: ethical and legal dilemmas. Baudouin JL. **Med Law** 1990; 9(4):1052–61 (27 ref.)

The ethics of using scientific data obtained by immoral means. Rosner F, et al. **N Y State J Med** 1991 Feb;91(2):54–9 (34 ref.)

Human immunodeficiency virus infection, women, and pregnancy. Ethical issues. Nolan K. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):651–68 (54 ref.)

Ethical and legal considerations in the care of the infant with end-stage renal disease whose parents elect conservative therapy. An American perspective. Cohen C. **Pediatr Nephrol** 1987 Apr;1(2):166–71 (31 ref.)

How law killed ethics. Hyman DA. **Perspect Biol Med** 1990 Autumn;34(1):134–51 (14 ref.)

An ethical analysis of physical therapists' duty to treat persons who have AIDS: homosexual patients as a test case. Sim J, et al. **Phys Ther** 1991 Sep;71(9):650–5 (37 ref.)

The persistent vegetative state: time for caution? Brown J. **Postgrad Med J** 1990 Sep;66(779):697–8 (11 ref.)

The research imperative and bureaucratic control: the case of clinical research. Hall D. **Soc Sci Med** 1991;32(3):333–42 (31 ref.)

Ethics and technological advances: contributions of social work practice. Abramson M. **Soc Work Health Care** 1990; 15(2):5–17 (31 ref.)

Ethical and communal issues in AIDS: an introduction. Loewy EH. **Theor Med** 1990 Sep;11(3):173–83 (13 ref.)

HIV and the obligation to treat. Sheldon M. **Theor Med** 1990 Sep;11(3):201–12 (17 ref.)

[Ethical challenges at the bedside: philosophy and treatment principles. Economic forces] Brandts H. **Verh Dtsch Ges Inn Med** 1990;96:665–9 (18 ref.) **(Ger)**

[Medicine and society in light of principles of medical ethics and deontology] Michalski T. **Neurol Neurochir Pol** 1991 Jan–Feb;25(1):73–8 (0 ref.) **(Pol)**

[Deontology in the pathologist's practice] Khmel'nitskiĭ OK, et al. **Arkh Patol** 1990;52(12):50–4 (17 ref.) (Eng. Abstr.) **(Rus)**

[Ethical problems in perinatal medicine: thoughts of a pediatrician] Gjurić G. **Lijec Vjesn** 1990 Jul–Aug; 112(7–8):269–73 (85 ref.) (Eng. Abstr.) **(Scr)**

[Ethical aspects of modern genetics] Lisker R. **Rev Invest Clin** 1990 Jan–Mar;42(1):63–7 (1 ref.) **(Spa)**

EDUCATION

Review of the teaching of medical ethics in London medical schools. Burling SJ, et al. **J Med Ethics** 1990 Dec; 16(4):206–9 (11 ref.)

The 'voice of care': implications for bioethical education. Carse AL. **J Med Philos** 1991 Feb;16(1):5–28 (41 ref.)

Teaching clinical ethics in the residency years: preparing competent professionals. Forrow L, et al. **J Med Philos** 1991 Feb;16(1):93–112 (49 ref.)

ETHICS, NURSING

Nursing responsibility for the placebo effect. Connelly RJ. **J Med Philos** 1991 Jun;16(3):325–41 (50 ref.)

Nurses and physicians on nutritional support: a comparison. Liaschenko J, et al. **J Med Philos** 1991 Jun;16(3):259–83 (50 ref.)

Conceptual issues in nursing ethics research. Penticuff JH. **J Med Philos** 1991 Jun;16(3):235–58 (110 ref.)

Ethical responsibilities in nursing: research findings and issues. Cassidy VR. **J Prof Nurs** 1991 Mar–Apr;7(2):112–8 (31 ref.)

ETHICS, PROFESSIONAL

Gift co-authorships: a tangled web. Jackway P, et al. **Aust Clin Rev** 1990;10(2):72–5 (22 ref.)

[Ethics in radiology] Wenz W. **Schweiz Med Wochenschr** 1991 Mar 2;121(9):275–81 (18 ref.) (Eng. Abstr.) **(Ger)**

ETHINYL ESTRADIOL

Results of a multilateral study with Anteovin. Seregély G. **Ther Hung** 1990;38(4):160–5 (64 ref.)

ADVERSE EFFECTS

[Ovulation inhibitors: the significance of estrogen dose] Kuhl H. **Geburtshilfe Frauenheilkd** 1990 Dec;50(12):910–22 (113 ref.) (Eng. Abstr.) **(Ger)**

PHARMACOKINETICS

Pharmacokinetics of ethinyl estradiol and mestranol. Goldzieher JW, et al. **Am J Obstet Gynecol** 1990 Dec;163(6 Pt 2):2114–9 (18 ref.)

Pharmacokinetics of gestodene and ethinyl estradiol after oral administration of a monophasic contraceptive. Täuber U, et al. **Am J Obstet Gynecol** 1990 Oct;163(4 Pt 2):1414–20 (14 ref.)

Metabolism of 17 alpha-ethynylestradiol in humans. Guengerich FP. **Life Sci** 1990;47(22):1981–8 (73 ref.)

ETHINYL ESTRADIOL 3-METHYL ETHER see **MESTRANOL**

ETHINYL TRICHLORIDE see **TRICHLOROETHYLENE**

ETHIOFOS

PHARMACOLOGY

Cisplatin chemoprotection and rescue: pharmacologic modulation of toxicity. Gandara DR, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):49–55 (32 ref.)

THERAPEUTIC USE

Cisplatin rescue therapy: experience with sodium thiosulfate, WR2721, and diethyldithiocarbamate. Gandara DR, et al. **Crit Rev Oncol Hematol** 1990;10(4):353–65 (95 ref.)

Neuroblastoma: a neurochemical approach. Schor NF. **J Child Neurol** 1991 Jul;6(3):220–8 (32 ref.)

ETHMOID BONE

INJURIES

Management of complicated fractures involving the orbits and nasoethmoid complex in young children. Crockett DM, et al. **Otolaryngol Clin North Am** 1991 Feb;24(1):119–37 (22 ref.)

SURGERY

Craniofacial resection for tumors of the ethmoid and superior nasal vault. Levine PA. **Cancer Treat Res** 1990;52:47–53 (25 ref.)

ETHMOID SINUS

[Irreversible bilateral amaurosis secondary to the course of ethmofrontal mucocele] Vallés H, et al. **Acta Otorrinolaringol Esp** 1990 Jul–Aug;41(4):257–60 (10 ref.) (Eng. Abstr.) **(Spa)**

[Teratocarcinoma of the ethmoid. A clinical case report (published erratum appears in An Otorrinolaringol Ibero Am 1991;18(1):following Table of Contents)] Stuyt MT, et al. **An Otorrinolaringol Ibero Am** 1990;17(6):663–8 (6 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Craniofacial resection for tumors of the ethmoid and superior nasal vault. Levine PA. **Cancer Treat Res** 1990;52:47–53 (25 ref.)

Management of a large frontoethmoid osteoma with sinus cranialization and cranial bone graft reconstruction. Schwartz MS, et al. **Int J Pediatr Otorhinolaryngol** 1990 Sep;20(1):63–72 (12 ref.)

Telecanthal approach for meningiomas in the ethmoid and sphenoid sinuses. Fujitsu K, et al. **Neurosurgery** 1991 May; 28(5):714–9; discussion 719–20 (50 ref.)

[Hazards and complications of ethmoidal surgery] Bouton V, et al. **Ann Otolaryngol Chir Cervicofac** 1991; 108(4):219–26 (23 ref.) (Eng. Abstr.) **(Fre)**

ETHMOID SINUSITIS

DIAGNOSIS

[Rhinocerebral mucormycosis. Apropos a case] Povedano Rodríguez V, et al. **An Otorrinolaringol Ibero Am** 1991; 18(2):139–46 (10 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Surgery in allergic sinusitis. Harrison DF. **Otolaryngol Clin North Am** 1971 Feb;4(1):79–95 (9 ref.)

ETHMOZINE see **MORICIZINE**

ETHNIC GROUPS

Ethnic differences in infant health. Pearson M. **Arch Dis Child** 1991 Jan;66(1):88–90 (17 ref.)

Enamel defects in a fluoridated south-east Asian community. Chellappah NK, et al. **Aust Dent J** 1990 Dec;35(6):530–5 (28 ref.)

Diabetic's diet in the Hispanic Caribbean. Hidalgo BA. **Bol Asoc Med P R** 1990 Jul;82(7):307–13 (41 ref.)

Ethnic variation in breast cancer survival: a review. Le Marchand L. **Breast Cancer Res Treat** 1991 May;18 Suppl 1:S119–26 (56 ref.)

The pathology of breast cancer in Japanese women compared to other ethnic groups: a review. Stemmermann GN. **Breast Cancer Res Treat** 1991 May;18 Suppl 1:S67–72 (27 ref.)

AK1, PGD, GC and HP frequencies in the Basque population: a review. Aguirre AI, et al. **Gene Geogr** 1989 Apr;3(1):41–51 (29 ref.)

Ethnic specification, validation prospects, and the future of drug use research. Trimble JE. **Int J Addict** 1990–91; 25(2A):149–68; discussion 168–70 (38 ref.)

Disease, race, geography and genes. Waldenström J. **J Intern Med** 1990 Nov;228(5):419–24 (26 ref.)

Pharmacotherapy for southeast Asian psychiatric patients. Lin KM, et al. **J Nerv Ment Dis** 1991 Jun;179(6):346–50 (30 ref.)

Interethnic variation of drug metabolism. Kalow W. **Trends Pharmacol Sci** 1991 Mar;12(3):102–7 (36 ref.)

PSYCHOLOGY

Ethnicity and alcohol/drug use revisited: a framework for future research. Cheung YW. **Int J Addict** 1990–91; 25(5A–6A):581–605 (100 ref.)

Uses and misuses of the concept of ethnicity in alcohol studies: an essay in deconstruction. Heath DB. **Int J Addict** 1990–91;25(5A–6A):607–28 (45 ref.)

Orthogonal cultural identification theory: the cultural identification of minority adolescents. Oetting ER, et al. **Int J Addict** 1990–91;25(5A–6A):655–85 (40 ref.)

Taking care of culturally different and non-English speaking patients. Thompson WL, et al. **Int J Psychiatry Med** 1990; 20(3):235–45 (54 ref.)

Ethnic identity in adolescents and adults: review of research. Phinney JS. **Psychol Bull** 1990 Nov;108(3):499–514 (110 ref.)

[Foreign adoptions. The state of research and sequelae] Textor MR. **Prax Kinderpsychol Kinderpsychiatr** 1991 Feb; 40(2):42–9 (35 ref.) (Eng. Abstr.) **(Ger)**

STATISTICS & NUMERICAL DATA

Ethnicity and the use of health services. Gillam S. **Postgrad Med J** 1990 Dec;66(782):989–93 (62 ref.)

ETHNOLOGY

Ethnopharmacology and the development of natural PAF antagonists as therapeutic agents. Braquet P, et al. **J Ethnopharmacol** 1991 Apr;32(1–3):135–9 (22 ref.)

Can ethnopharmacology contribute to the development of new anticancer drugs? Cordell GA, et al. **J Ethnopharmacol** 1991 Apr;32(1–3):117–33 (60 ref.)

Can ethnopharmacology contribute to the development of anti-fertility drugs? Pei-Gen X, et al. **J Ethnopharmacol** 1991 Apr;32(1–3):167–77 (30 ref.)

Can ethnopharmacology contribute to the development of antimalarial agents? Phillipson JD, et al. **J Ethnopharmacol** 1991 Apr;32(1–3):155–65 (58 ref.)

What is ethnobotany today? Prance GT. **J Ethnopharmacol** 1991 Apr;32(1–3):209–16 (40 ref.)

Can ethnopharmacology contribute to the development of antiviral drugs? Vlietinck AJ, et al. **J Ethnopharmacol** 1991 Apr;32(1–3):141–53 (64 ref.)

TRENDS

Should we set a place for diet in ethnopharmacology? Etkin NL, et al. **J Ethnopharmacol** 1991 Apr;32(1–3):25–36 (83 ref.)

ETHNOMEDICINE see **MEDICINE, TRADITIONAL**

ETHNOPSYCHOLOGY

[The beginnings of ethno-psychological and socio-psychiatric studies of the ethnic groups of Transylvania at the turn of the century] Pisztora F. **Orv Hetil** 1990 Nov 18;131(46):2549–52 (22 ref.) **(Hun)**

ETHOFORM see **BENZOCAINE**

ETHOLOGY

see related
BEHAVIOR, ANIMAL

Song-learning behavior: the interface with neuroethology. Marler P. **Trends Neurosci** 1991 May;14(5):199–206 (73 ref.)

[Man/machine interface: an ethological study of the relation phenomenon] Ohayon M, et al. **Ann Med Psychol (Paris)** 1990 Aug–Sep;148(7):644–51 (15 ref.) **(Fre)**

ETHYL AMINOBENZOATE see **BENZOCAINE**

ETHYL PROPYL KETONES see **HEXANONES**

ETHYLDITHIURAME see **DISULFIRAM**

ETHYLENE DIBROMIDE

PHARMACOLOGY

The spermicidal effect of ethylene dibromide in bulls and rams. Amir D. **Mol Reprod Dev** 1991 Jan;28(1):99–109 (29 ref.)

ETHYLENE GLYCOL TETRAACETIC ACID see **EGTA**

ETHYLENE GLYCOLS

POISONING

Multiple cranial nerve deficits after ethylene glycol poisoning. Spillane L, et al. **Ann Emerg Med** 1991 Feb; 20(2):208–10 (6 ref.)

The other alcohols. Methanol, ethylene glycol, and isopropanol. Burkhart KK, et al. **Emerg Med Clin North Am** 1990 Nov;8(4):913–28 (132 ref.)

ETHYLENE OXIDE

ADVERSE EFFECTS

[Toxicity of ethylene oxide on the crystalline lense in an occupational milieu. Difficulty of epidemiologic surveys of cataract] Deschamps D, et al. **J Fr Ophtalmol** 1990; 13(4):189–97 (24 ref.) (Eng. Abstr.) **(Fre)**

[Ethylene oxide and cancer] Barrasa Villar JI, et al. **Med Clin (Barc)** 1991 Feb 2;96(4):152–6 (49 ref.) **(Spa)**

TOXICITY

Perspectives and future directions for genetic risk assessment. Dellarco VL, et al. **Environ Mol Mutagen** 1990;16(2):132–4 (18 ref.)

Review of the mutagenicity of ethylene oxide. Dellarco VL, et al. **Environ Mol Mutagen** 1990;16(2):85–103 (102 ref.)

Quantitative estimation of the genetic risk associated with the induction of heritable translocations at low-dose exposure: ethylene oxide as an example. Rhomberg L, et al. **Environ Mol Mutagen** 1990;16(2):104–25 (70 ref.)

Macromolecular adducts of ethylene oxide: a literature review and a time-course study on the formation of 7-(2-hydroxyethyl)guanine following exposures of rats by inhalation. Walker VE, et al. **Mutat Res** 1990 Nov-Dec; 233(1–2):151–64 (91 ref.)

ETHYLENE POLYMERS see **POLYETHYLENES**

ETHYLENEDIAMINETETRAACETIC ACID see **EDTA**

ETHYLENEIMINES see **AZIRIDINES**

ETHYLENES

see related
POLYETHYLENES

ETHYNYL ESTRADIOL see **ETHINYL ESTRADIOL**

ETIDRONIC ACID see **SODIUM ETIDRONATE**

ETOMIDATE

[Value of etomidate for the temporary clamping in early surgery, in normotension, of ruptured intracranial aneurysms. Preliminary study of 8 cases] Dabbagh E, et al. **Agressologie** 1990 Jun;31(6):389–93 (24 ref.) (Eng. Abstr.) **(Fre)**

ETOPOSIDE

ADMINISTRATION & DOSAGE

Chemotherapy of metastatic Merkel cell carcinoma: case report and review of the literature. Sharma D, et al. **Am J Clin Oncol** 1991 Apr;14(2):166–9 (16 ref.)

Recent advances in etoposide therapy for non-small cell lung cancer. Bonomi P. **Cancer** 1991 Jan 1;67(1 Suppl):254–9 (24 ref.)

Chronic oral etoposide. Greco FA, et al. **Cancer** 1991 Jan 1;67(1 Suppl):303–9 (17 ref.)

Etoposide in the management of non-small cell lung cancer. Ruckdeschel JC. **Cancer** 1991 Jan 1;67(1 Suppl):250–3 (43 ref.)

ADVERSE EFFECTS

Epipodophyllotoxin-related leukemia. Identification of a new subset of secondary leukemia. Whitlock JA, et al. **Cancer** 1991 Aug 1;68(3):600–4 (45 ref.)

ANALOGS & DERIVATIVES

Second generation analogs of etoposide and mitomycin C. Doyle TW, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):127–31 (20 ref.)

HISTORY

The chemical and biological route from podophyllotoxin glucoside to etoposide: ninth Cain memorial Award lecture. Stähelin HF, et al. **Cancer Res** 1991 Jan 1;51(1):5–15 (86 ref.)

PHARMACOLOGY

The pharmacology of intravenous and oral etoposide. Carney DN. **Cancer** 1991 Jan 1;67(1 Suppl):299–302 (17 ref.)

The clinical pharmacology of etoposide. Slevin ML. **Cancer** 1991 Jan 1;67(1 Suppl):319–29 (108 ref.)

THERAPEUTIC USE

Etoposide. Current and future status. Aisner J, et al. **Cancer** 1991 Jan 1;67(1 Suppl):215–9 (62 ref.)

Etoposide in leukemia. Bishop JF, et al. **Cancer** 1991 Jan 1;67(1 Suppl):285–91 (53 ref.)

Future directions for etoposide therapy. Greco FA. **Cancer** 1991 Jan 1;67(1 Suppl):315–8 (8 ref.)

The role of etoposide in the treatment of poorly differentiated carcinoma of unknown primary site. Hainsworth JD, et al. **Cancer** 1991 Jan 1;67(1 Suppl):310–4 (22 ref.)

High-dose etoposide and marrow transplantation. Herzig RH. **Cancer** 1991 Jan 1;67(1 Suppl):292–8 (37 ref.)

Etoposide in acute leukemia. Past experience and future perspectives. Ho AD, et al. **Cancer** 1991 Jan 1;67(1 Suppl):281–4 (33 ref.)

Current status of etoposide in the management of small cell lung cancer. Johnson DH, et al. **Cancer** 1991 Jan 1;67(1 Suppl):231–44 (92 ref.)

Etoposide therapy for testicular cancer. Loehrer PJ Sr. **Cancer** 1991 Jan 1;67(1 Suppl):220–4 (21 ref.)

New chemotherapies for ovarian cancer. Systemic and intraperitoneal podophyllotoxins. Muggia FM, et al. **Cancer** 1991 Jan 1;67(1 Suppl):225–30 (36 ref.)

The evolving role of etoposide in the management of lymphomas and Hodgkin's disease. O'Reilly SE, et al. **Cancer** 1991 Jan 1;67(1 Suppl):271–80 (37 ref.)

Etoposide in the management of metastatic breast cancer. Sledge GW Jr. **Cancer** 1991 Jan 1;67(1 Suppl):266–70 (30 ref.)

Antitumor antibiotics, epipodophyllotoxins, and vinca alkaloids: clinical developments. Brenner DE. **Curr Opin Oncol** 1990 Dec;2(6):1115–8 (16 ref.)

Etoposide in the management of leukemia: a review. Bishop JF. **Semin Oncol** 1991 Feb;18(1 Suppl 2):62–9 (53 ref.)

ETRETINATE

TOXICITY

Hepatic toxicity of vitamin A and synthetic retinoids. Fallon MB, et al. **J Gastroenterol Hepatol** 1990 May–Jun; 5(3):334–42 (53 ref.)

EUBACTERIUM

GENETICS

An ancient intron in eubacteria: new light on intron origins. Liu XQ. **Bioessays** 1991 Apr;13(4):185–6 (10 ref.)

PHYSIOLOGY

The physiological role of eubacterial histone-like proteins. Paterczyk B. **Acta Microbiol Pol** 1989;38(3–4):207–15 (29 ref.)

EUCALYPTUS

MICROBIOLOGY

Ecology, life cycle, and infectious propagule of Cryptococcus neoformans [see comments] Ellis DH, et al. **Lancet** 1990 Oct 13;336(8720):923–5 (17 ref.) Comment in: Lancet 1990 Dec 8;336(8728):1442.

EUGENICS

see related
GENETIC COUNSELING

EUGENOL

METABOLISM

Formation and reactivity of a quinone methide in biological systems. Thompson D, et al. **Adv Exp Med Biol** 1991; 283:589–96 (35 ref.)

EUGLYCEMIC CLAMPING see **GLUCOSE CLAMP TECHNIQUE**

EUKARYOTIC CELLS

Archamoebae: the ancestral eukaryotes? Cavalier-Smith T. **Biosystems** 1991;25(1–2):25–38 (36 ref.)

CYTOLOGY

Cellular differentiation in the process of generation of the eukaryotic cell. Nakamura H, et al. **Orig Life Evol Biosph** 1990–91;20(6):499–514 (41 ref.)

ENZYMOLOGY

Eukaryotic DNA polymerases. Wang TS. **Annu Rev Biochem** 1991;60:513–52 (146 ref.)

Glycoprotein sialyltransferases in eucaryotic cells. Broquet P, et al. **Int J Biochem** 1991;23(4):385–9 (64 ref.)

Aminoacyl-tRNA synthetase family from prokaryotes and eukaryotes: structural domains and their implications. Mirande M. **Prog Nucleic Acid Res Mol Biol** 1991; 40:95–142 (306 ref.)

METABOLISM

Control of the transmembrane phospholipid distribution in eukaryotic cells by aminophospholipid translocase. Devaux PF, et al. **Biotechnol Appl Biochem** 1990 Oct;12(5):517–22 (18 ref.)

Lipid traffic in eukaryotic cells: mechanisms for intracellular transport and organelle-specific enrichment of lipids. Pagano RE. **Curr Opin Cell Biol** 1990 Aug;2(4):652–63 (17 ref.)

Regulation of eukaryotic phospholipid metabolism. Kent C, et al. **FASEB J** 1991 Jun;5(9):2258–66 (47 ref.)

Molecular events regulating messenger RNA stability in eukaryotes. Saini KS, et al. **Mol Cell Biochem** 1990 Jul 17;96(1):15–23 (73 ref.)

Multiple determinants of eukaryotic mRNA stability. Cleveland DW, et al. **New Biol** 1989 Nov;1(2):121–6 (33 ref.)

An overview of the secondary structure of the V4 region of eukaryotic small-subunit ribosomal RNA. Nickrent DL, et al. **Nucleic Acids Res** 1991 Jan 25;19(2):227–35 (35 ref.)

The homologous glucose transport proteins of prokaryotes and eukaryotes. Henderson PJ. **Res Microbiol** 1990 Mar–Apr;141(3):316–28 (71 ref.)

Transport and metabolism of phosphatidylinositol in eukaryotic cells. Helmkamp GM Jr. **Subcell Biochem** 1990; 16:129–74 (140 ref.)

The initiation of chromosomal DNA replication in eukaryotes. Diffley JF, et al. **Trends Genet** 1990 Dec; 6(12):427–32 (39 ref.)

MICROBIOLOGY

Bacterial entry into eukaryotic cells. Falkow S. **Cell** 1991 Jun 28;65(7):1099–102 (25 ref.)

PHYSIOLOGY

Eukaryotic DNA repair: glimpses through the yeast Saccharomyces cerevisiae. Friedberg EC. **Bioessays** 1991 Jun;13(6):295–302 (50 ref.)

Molecular genetics of eukaryotic DNA excision repair. Hoeijmakers JH, et al. **Cancer Cells** 1990 Oct;2(10):311–20 (65 ref.)

Sensory transduction in eukaryotes. A comparison between Dictyostelium and vertebrate cells. Van Haastert PJ, et al. **Eur J Biochem** 1991 Jan 30;195(2):289–303 (334 ref.)

Eucaryotic codes. Caron F. **Experientia** 1990 Dec 1; 46(11–12):1106–17 (134 ref.)

Is hsp70 the cellular thermometer? Craig EA, et al. **Trends Biochem Sci** 1991 Apr;16(4):135–40 (40 ref.)

Eukaryotic protein elongation factors. Riis B, et al. **Trends Biochem Sci** 1990 Nov;15(11):420–4 (37 ref.)

[Does an evolutionary kinship exist between the chemosignal systems of eukaryotes and prokaryotes?] Pertseva MN. **Zh Evol Biokhim Fiziol** 1990 Jul–Aug;26(4):505–13 (39 ref.) **(Rus)**

RADIATION EFFECTS

Induction, repair and biological relevance of radiation-induced DNA lesions in eukaryotic cells. Frankenberg-Schwager M. **Radiat Environ Biophys** 1990; 29(4):273–92 (149 ref.)

SECRETION

Molecular dissection of early stages of the eukaryotic secretory pathway. Balch WE. **Curr Opin Cell Biol** 1990 Aug;2(4):634–41 (32 ref.)

ULTRASTRUCTURE

Control points in eucaryotic ribosome biogenesis. Larson DE, et al. **Biochem Cell Biol** 1991 Jan;69(1):5–22 (227 ref.)

Animal cell shape changes and gene expression. Ben-Ze'ev A. **Bioessays** 1991 May;13(5):207–12 (51 ref.)

Stabilization of post-translational modification of microtubules during cellular morphogenesis. Bulinski JC, et al. **Bioessays** 1991 Jun;13(6):285–93 (57 ref.)

Principles of nuclear organization. de Jong L, et al. **Cell Biol Int Rep** 1990 Dec;14(12):1051–74 (99 ref.)

[Immunochemistry of eukaryotic ribosomes] Lopaczyński W, et al. **Postepy Hig Med Dosw** 1990;44(1–3):21–39 (99 ref.) (Eng. Abstr.) **(Pol)**

[Sister chromatid exchanges in the cells of higher eukaryotes] Lazutka IuS. **Tsitologiia** 1990;32(10):977–84 (57 ref.) (Eng. Abstr.) **(Rus)**

EULER-GADDUM SUBSTANCE P see **SUBSTANCE P**

EUPHAUSIA see **CRUSTACEA**

EUPHORIA

DRUG EFFECTS

Mapping the metabolic correlates of drug-induced euphoria. London ED, et al. **NIDA Res Monogr** 1991;105:54–60 (32 ref.)

EUROPEAN COMMON MARKET see **EUROPEAN ECONOMIC COMMUNITY**

EUROPEAN ECONOMIC COMMUNITY

Dental licensure in the European Economic Community: implications for the United States. Freed JR, et al. **J Am Coll Dent** 1991 Summer;58(2):4–9 (31 ref.)

[Feeding of young children in the European Economic Community and perspective in 1993] Rey J. **Arch Fr Pediatr** 1991 May;48(5):363–7 (24 ref.) **(Fre)**

EUROPIUM

DIAGNOSTIC USE

Europium chelate labels in time-resolved fluorescence immunoassays and DNA hybridization assays. Diamandis EP, et al. **Anal Chem** 1990 Nov 15;62(22):1149A–1157A (34 ref.)

EUSTACHIAN TUBE

PATHOLOGY

Update on functional anatomy and pathology of human eustachian tube related to otitis media with effusion. Sando I, et al. **Otolaryngol Clin North Am** 1991 Aug;24(4):795–811 (73 ref.)

EUTELEGENESIS see **INSEMINATION, ARTIFICIAL**

EUTHANASIA

Is a decision to forgo tube feeding for another a decision to kill? Brodeur D. **Issues Law Med** 1991 Spring; 6(4):395–406 (19 ref.)

Is a decision to forgo tube feeding for another a decision to kill? Smith WB. **Issues Law Med** 1991 Spring;6(4):385–94 (45 ref.)

Ethics. Pellegrino ED. **JAMA** 1991 Jun 19;265(23):3118–9 (31 ref.)

The terminal quality of life and passive or active euthanasia. Daikos GK. **Qual Assur Health Care** 1990;2(3–4):375–86 (23 ref.)

EUTHANASIA, PASSIVE

see related
RESUSCITATION ORDERS

The terminal quality of life and passive or active euthanasia. Daikos GK. **Qual Assur Health Care** 1990;2(3–4):375–86 (23 ref.)

LEGISLATION & JURISPRUDENCE

Beyond the Cruzan case: the U.S. Supreme Court and medical practice [see comments] Lo B, et al. **Ann Intern Med** 1991 May 15;114(10):895–901 (56 ref.) Comment in: Ann Intern Med 1991 Aug 1;115(3):234.

EUTHYROID SICK SYNDROMES

BLOOD

Euthyroid low thyroxine (T4) and triiodothyronine (T3) states in prematures and sick neonates. Fisher DA. **Pediatr Clin North Am** 1990 Dec;37(6):1297–312 (54 ref.)

DIAGNOSIS

[Evaluating thyroid gland function in patients with protein anomalies] Eber O, et al. **Acta Med Austriaca** 1991; 18(1):11–9 (94 ref.) (Eng. Abstr.) **(Ger)**

EVALUATION, PROGRAM see **PROGRAM EVALUATION**

EVALUATION RESEARCH, NURSING see **NURSING EVALUATION RESEARCH**

EVALUATION STUDIES

[Experimental studies] Gili M, et al. **Enferm Infecc Microbiol Clin** 1990 Jan;8(1):52–7 (14 ref.) **(Spa)**

EVALUATION STUDIES, DRUG, FDA PHASE I see **DRUG EVALUATION**

EVALUATION STUDIES, DRUG, FDA PHASE II see **DRUG EVALUATION**

EVALUATION STUDIES, DRUG, PRE-CLINICAL see **DRUG SCREENING**

EVALUATION STUDIES, FDA PHASE III see **CLINICAL TRIALS**

EVALUATION STUDIES, FDA PHASE IV see **CLINICAL TRIALS**

EVALUATION STUDIES, POSTMARKETING see **PRODUCT SURVEILLANCE, POSTMARKETING**

EVOKED POTENTIALS

Clinical applications of evoked potentials in neurological disorders. Guadagnino M, et al. **Acta Neurol (Napoli)** 1990 Dec;12(6):440–79 (363 ref.)

Electrophysiological monitoring of neural functions during neurosurgery. Palma V, et al. **Acta Neurol (Napoli)** 1990 Dec;12(6):481–504 (176 ref.)

DRUG EFFECTS

Event-related potentials and the prediction of differential drug response in psychiatry. Hegerl U, et al. **Neuropsychobiology** 1990;23(2):99–108 (54 ref.)

[Effects of fibrinolysis on late potentials in myocardial infarction] de Chillou C, et al. **Ann Cardiol Angeiol (Paris)** 1991 Feb;40(2):75–9 (44 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Evoked potential studies in neurological diagnosis and management. Aminoff MJ. **Ann Neurol** 1990 Nov; 28(5):706–10 (28 ref.)

Physiologic mechanisms underlying the generation of far-field potentials. Kimura J, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:13–21 (48 ref.)

Electrophysiological perspectives on comprehending written language. Kutas M, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:155–67 (68 ref.)

Methodological and physiological aspects of motor evoked potentials. Rossini PM. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:124–33 (47 ref.)

Utility of short-latency evoked potentials in the classification of progressive, early onset cerebellar ataxias. Vanasse M, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990; 41:223–35 (65 ref.)

Evoked potentials in anaesthesia. Thornton C. **Eur J Anaesthesiol** 1991 Mar;8(2):89–107 (132 ref.)

Precautions in topographic mapping and in evoked potential map reading. Perrin F, et al. **J Clin Neurophysiol** 1990 Oct; 7(4):498–506 (25 ref.)

[Brain bioelectricity. Considerations on its study in psychiatry] Lolas F. **Acta Psiquiatr Psicol Am Lat** 1990 Jan-Jun;36(1-2):53–8 (16 ref.) (Eng. Abstr.) **(Spa)**

EVOKED POTENTIALS, AUDITORY

Absence of both auditory evoked potentials and auditory percepts dependent on timing cues. Starr A, et al. **Brain** 1991 Jun;114 (Pt 3):1157–80 (64 ref.)

PHYSIOLOGY

Short-latency evoked magnetic fields from the human auditory brainstem. Erné SN, et al. **Adv Neurol** 1990; 54:167–76 (17 ref.)

Long-latency auditory evoked magnetic fields. Mäkelä JP, et al. **Adv Neurol** 1990;54:177–91 (76 ref.)

Magnetic evoked responses. Comparison with electrical evoked responses. Rose DF. **Adv Neurol** 1990;54:89–94 (42 ref.)

Magnetic evoked fields of the human brain: basic principles and applications. Hari R. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:3–12 (43 ref.)

Central auditory function. Keith RW, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):371–9 (13 ref.)

Auditory evoked potentials. Ruth RA, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):349–70 (26 ref.)

Event-related brain potentials and vigilance performance: dissociations abound, a review. Koelega HS, et al. **Percept Mot Skills** 1991 Jun;72(3 Pt 1):971–82 (50 ref.)

EVOKED POTENTIALS, AUDITORY, BRAIN STEM

see related
AUDIOMETRY, EVOKED RESPONSE

SN10 auditory evoked potential revisited. Tawfik S, et al. **Am J Otol** 1991 May;12(3):179–83 (27 ref.)

Is it time to use evoked potentials to predict outcome in comatose children and adults? Goodwin SR, et al. **Crit Care Med** 1991 Apr;19(4):518–24 (51 ref.)

PHYSIOLOGY

Frequency specificity of the auditory brainstem response elicited by 1,000-Hz filtered clicks. Conijn EA, et al. **Audiology** 1990;29(4):181–95 (57 ref.)

Event-related potentials in populations at risk for alcoholism. Begleiter H, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:177–82 (42 ref.)

Technical requirements for evoked potential monitoring in the intensive care unit. Bertrand O, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:51–70 (64 ref.)

Short- and long-term evoked potential sequelae of deviations from homeostasis. Sohmer H. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:323–9 (42 ref.)

[Brain stem auditory evoked potentials. Anatomo-physiological basis. Neurological applications] Guérit JM. **Acta Otorhinolaryngol Belg** 1991;45(2):171–203 (84 ref.) **(Fre)**

[Review of the significance of early auditory evoked potentials in diagnosis of neurologic diseases in childhood] Mattigk G. **Kinderarztl Prax** 1991 Mar;59(3):60–3 (16 ref.) (Eng. Abstr.) **(Ger)**

EVOKED POTENTIALS, SOMATOSENSORY

Is it time to use evoked potentials to predict outcome in comatose children and adults? Goodwin SR, et al. **Crit Care Med** 1991 Apr;19(4):518–24 (51 ref.)

[Transcranial magnetic stimulation motor evoked potentials] Gao ZQ, et al. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1990 Oct; 23(5):309–11 (21 ref.) **(Chi)**

[Short-latency somatosensory evoked potentials and magnetic resonance imaging in the medial medullary syndrome] Hashimoto T, et al. **Rinsho Shinkeigaku** 1990 Jun;30(6):587–93 (30 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Magnetic evoked responses. Comparison with electrical evoked responses. Rose DF. **Adv Neurol** 1990;54:89–94 (42 ref.)

Somatosensory evoked fields in magnetoencephalography. Basic principles and applications. Rossini PM, et al. **Adv Neurol** 1990;54:157–66 (30 ref.)

Technical requirements for evoked potential monitoring in the intensive care unit. Bertrand O, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:51–70 (64 ref.)

Somatosensory evoked potentials in severe head trauma. Facco E, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:330–41 (81 ref.)

Magnetic evoked fields of the human brain: basic principles and applications. Hari R. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:3–12 (43 ref.)

Loss of parietal and frontal somatosensory evoked potentials in hemispheric deafferentation. Mauguière F, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:274–85 (38 ref.)

Bilateral tonic pupils and polyneuropathy in Sjögren's syndrome: a common pathophysiological mechanism? Waterschoot MP, et al. **Eur Neurol** 1991;31(2):114–6 (12 ref.)

[Recent advances in evoked potentials: physiological bases for understanding somatosensory evoked potentials] Kaji R, et al. **No To Shinkei** 1990 Jun;42(6):514–26 (12 ref.) **(Jpn)**

EVOKED POTENTIALS, VISUAL

Visually evoked potentials and electroretinography in neurologic evaluation. Weinstein GW, et al. **Neurol Clin** 1991 Feb;9(1):225–42 (111 ref.)

[Visual evoked potentials in ophthalmologic practice] Simha N. **J Fr Ophtalmol** 1990;13(4):207–17 (98 ref.) **(Fre)**

PHYSIOLOGY

Pathophysiology of delayed evoked potentials in multiple sclerosis. Onofrj M, et al. **Funct Neurol** 1990 Oct-Dec; 5(4):301–19 (92 ref.)

EVOKED RESPONSE AUDIOMETRY see **AUDIOMETRY, EVOKED RESPONSE**

EVOKED RESPONSES, AUDITORY, BRAIN STEM see **EVOKED POTENTIALS, AUDITORY, BRAIN STEM**

EVOLUTION

Evolution of glutathione metabolism. Fahey RC, et al. **Adv Enzymol Relat Areas Mol Biol** 1991;64:1–53 (308 ref.)

Background paper. Aspects of coronavirus evolution. Cavanagh D, et al. **Adv Exp Med Biol** 1990;276:367–8 (7 ref.)

Signaling mechanisms in microorganisms: common themes in the evolution of signal transduction pathways. Kincaid RL. **Adv Second Messenger Phosphoprotein Res** 1991; 23:165–84 (77 ref.)

Haplodiploidy in the Oxyurida: decoupling the evolutionary processes of adaptation and speciation. Adamson ML. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:31–5 (22 ref.)

Evolution in nervous systems. Arbas EA, et al. **Annu Rev Neurosci** 1991;14:9–38 (231 ref.)

Evolutionary personality psychology. Buss DM. **Annu Rev Psychol** 1991;42:459–91 (140 ref.)

The self-organization of human psychological functioning. Kaplan ML, et al. **Behav Sci** 1991 Jul;36(3):161–78 (35 ref.)

Transfer RNAs for primordial amino acids contain remnants of a primitive code at position 3 to 5. Möller W, et al. **Biochimie** 1990 May;72(5):361–8 (30 ref.)

Directed evolution of a bacterial operon. Hall BG. **Bioessays** 1990 Nov;12(11):551–8 (38 ref.)

A model for development and evolution of complex morphological structures. Atchley WR, et al. **Biol Rev Camb Philos Soc** 1991 May;66(2):101–57 (172 ref.)

Paleozoic Foraminifera. Ross CA, et al. **Biosystems** 1991; 25(1-2):39–51 (17 ref.)

Protein phosphorylation: a motive force for adaptive evolution. Vener AV. **Biosystems** 1990;24(1):53–9 (48 ref.)

Animal asymmetry and human heredity: dextrality, tool use and language in evolution—10 years after Walker (1980). Bradshaw JL. **Br J Psychol** 1991 Feb;82 (Pt 1):39–59 (1145 ref.)

Brains, bodies and metabolism. Armstrong E. **Brain Behav Evol** 1990;36(2-3):166–76 (82 ref.)

Histochemical strategies in the study of neural evolution. Brauth SE. **Brain Behav Evol** 1990;36(2-3):100–15 (85 ref.)

The molecular evolution of neuropeptides: prospects for the '90s. Dores RM, et al. **Brain Behav Evol** 1990;36(2-3):80–99 (111 ref.)

Evolutionary innovation in behavior and speciation: opportunities for behavioral neuroethology. Hoy RR. **Brain Behav Evol** 1990;36(2-3):141–53 (55 ref.)

Ontogeny and phylogeny: a re-evaluation of conceptual relationships and some applications. Northcutt RG. **Brain Behav Evol** 1990;36(2-3):116–40 (120 ref.)

The visual pathways of eutherian mammals and marsupials develop according to a common timetable. Robinson SR, et al. **Brain Behav Evol** 1990;36(4):177–95 (190 ref.)

Neuroethological approaches to the evolution of neural systems. Volman SF. **Brain Behav Evol** 1990;36(2-3):154–65 (60 ref.)

Self-splicing introns in prokaryotes: migrant fossils? Belfort M. **Cell** 1991 Jan 11;64(1):9–11 (22 ref.)

Parallel evolution in mammalian and avian brains: comparative cytoarchitectonic and cytochemical analysis. Rehkämper G, et al. **Cell Tissue Res** 1991 Jan;263(1):3–28 (197 ref.)

Mammalian genome evolution: new clues from comparisons of eutherians, marsupials and monotremes. Graves JA. **Comp Biochem Physiol A** 1991;99(1-2):5–11 (18 ref.)

New thoughts on the evolution of hormone-receptor systems. Schwabe C. **Comp Biochem Physiol A** 1990;97(2):101–6 (31 ref.)

Evolution in molecular structure and adaptive variance in metabolism. Christophersen C. **Comp Biochem Physiol [B]** 1991;98(4):427–32 (35 ref.)

On evolutionarily conserved simple repetitive DNA sequences: do "sex-specific" satellite components serve any sequence dependent function? Epple JT, et al. **Differentiation** 1983;23 Suppl:S60–3 (18 ref.)

Aberrant sex chromosome mechanisms in mammals. Evolutionary aspects. Fredga K. **Differentiation** 1983;23 Suppl:S23–30 (58 ref.)

Evolutionary conservation of sex specific DNA sequences. Jones KW. **Differentiation** 1983;23 Suppl:S56–9 (24 ref.)

Evolution of sex chromosomes and heterogametic systems in amphibia. Schmid M. **Differentiation** 1983;23 Suppl:S13–22 (48 ref.)

The UDP glucuronosyltransferase gene superfamily:

suggested nomenclature based on evolutionary divergence. Burchell B, et al. **DNA Cell Biol** 1991 Sep;10(7):487–94 (40 ref.)
The action of stabilizing selection on the perfection of new characters in evolution. Slabý O. **Folia Morphol (Praha)** 1990;38(3):241–52 (37 ref.)
From genes to phenotype: dynamical systems and evolvability. Alberch P. **Genetica** 1991;84(1):5–11 (26 ref.)
On the evolution of genetic incompatibility systems. VI. A three–locus modifier model for the origin of gametophytic self–incompatibility. Uyenoyama MK. **Genetics** 1991 Jun; 128(2):453–69 (63 ref.)
Of HLA, tryps, and selection: an essay on coevolution of MHC and parasites. Klein J. **Hum Immunol** 1991 Apr; 30(4):247–58 (57 ref.)
Phylogeny and molecular evolution in primates. Hasegawa M. **Idengaku Zasshi** 1990 Aug;65(4):243–66 (85 ref.)
Co–evolution of parasites and adaptive immune responses. Mitchell GF. **Immunol Today** 1991 Mar;12(3):A2–5 (18 ref.)
Cytochrome c oxidase in Paracoccus denitrificans. Protein, chemical, structural, and evolutionary aspects. Buse G, et al. **J Bioenerg Biomembr** 1991 Apr;23(2):269–89 (69 ref.)
Evolutionary aspects of cytochrome c oxidase. Kadenbach B, et al. **J Bioenerg Biomembr** 1991 Apr;23(2):321–34 (83 ref.)
Evolutionary relationships among California serogroup viruses (Bunyaviridae) and Aedes mosquitoes (Diptera: Culicidae). Eldridge BF. **J Med Entomol** 1990 Sep; 27(5):738–49 (65 ref.)
Elements in microbial evolution. Arber W. **J Mol Evol** 1991 Jul;33(1):4–12 (25 ref.)
An RNA replisome as the ancestor of the ribosome. Campbell JH. **J Mol Evol** 1991 Jan;32(1):3–5 (20 ref.)
Multigene families and the evolution of complexity. Ohta T. **J Mol Evol** 1991 Jul;33(1):34–41 (46 ref.)
Myosin light chains and troponin C: structural and evolutionary relationships revealed by amino acid sequence comparisons. Collins JH. **J Muscle Res Cell Motil** 1991 Feb;12(1):3–25 (133 ref.)
The evolution of metamorphosis in amphibians. Fritzsch B. **J Neurobiol** 1990 Oct;21(7):1011–21 (33 ref.)
Genome structure and evolution of Naegleria and its relatives. Clark CG. **J Protozool** 1990 Jul–Aug;37(4):2S–6S (33 ref.)
Evolution of amitosis of the ciliate macronucleus: gain of the capacity to divide. Orias E. **J Protozool** 1991 May–Jun; 38(3):217–21 (29 ref.)
Mechanisms in microbial evolution. Arber W. **J Struct Biol** 1990 Jul–Sep;104(1–3):107–11 (17 ref.)
An evolutionary perspective of endotoxin: a signal for a well–adapted defense system. Legrand EK. **Med Hypotheses** 1990 Sep;33(1):49–56 (61 ref.)
Deviations from the 'universal' genetic code. Caron F. **Microbiol Sci** 1986 Feb;3(2):36–40 (27 ref.)
Large plasmids in bacteria. Part 2. Genetics and evolution. Hardman DJ, et al. **Microbiol Sci** 1985 Jun;2(6):184–90 (75 ref.)
Photosynthetic phagotrophy of Chrysophyceae: evolutionary aspects. Ishida Y, et al. **Microbiol Sci** 1986 May;3(5):132–5 (16 ref.)
Enzyme specialization during the evolution of amino acid biosynthetic pathways. Parsot C, et al. **Microbiol Sci** 1987 Sep;4(9):258, 260–2 (28 ref.)
A possible role for DNA restriction in bacterial evolution. Price C, et al. **Microbiol Sci** 1986 Oct;3(10):296–9 (25 ref.)
What are antibiotics? Archaic functions for modern activities. Davies J. **Mol Microbiol** 1990 Aug;4(8):1227–32 (41 ref.)
A sea urchin gene containing multiple EGF repeats is similar to vertebrate EGF–containing genes. Raff RA. **Mol Reprod Dev** 1990 Sep;27(1):66–72 (0 ref.)
An evolutionarily conserved TGF–alpha/insulin–degrading enzyme. Rosner MR. **Mol Reprod Dev** 1990 Sep;27(1):54–9 (16 ref.)
Comparative methods for explaining adaptations. Harvey PH, et al. **Nature** 1991 Jun 20;351(6328):619–24 (79 ref.)
But how to make sense out of evolution? Evolution: Molecules to Culture sponsored by Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, USA, September 24–27, 1990. Goodman M. **New Biol** 1991 Mar;3(3):253–7 (0 ref.)
Cellular differentiation in the process of generation of the eukaryotic cell. Nakamura H, et al. **Orig Life Evol Biosph** 1990–91;20(6):499–514 (41 ref.)
Parasites, desiderata lists and the paradox of the organism. Dawkins R. **Parasitology** 1990;100 Suppl:S63–73 (43 ref.)
The evolution of inducible defence. Harvell CD. **Parasitology** 1990;100 Suppl:S53–61 (61 ref.)
Selection and evolution of virulence in bacteria: an ecumenical excursion and modest suggestion. Levin BR, et al. **Parasitology** 1990;100 Suppl:S103–15 (92 ref.)
Parasite–host coevolution. May RM, et al. **Parasitology** 1990; 100 Suppl:S89–101 (50 ref.)
The evolutionary biology of molecular parasites. Nee S, et al. **Parasitology** 1990;100 Suppl:S5–18 (71 ref.)
Genetic exchange and evolutionary relationships in protozoan and helminth parasites. Tait A. **Parasitology** 1990;100 Suppl:S75–87 (78 ref.)
Evolutionary aspects of transmitter molecules, their receptors and channels. Walker RJ, et al. **Parasitology** 1991;102 Suppl:S7–29 (230 ref.)
Evolution of senescence: late survival sacrificed for reproduction. Kirkwood TB, et al. **Philos Trans R Soc Lond [Biol]** 1991 Apr 29; 332(1262):15–24 (79 ref.)
The interplay of population dynamics and the evolutionary process. Travis J. **Philos Trans R Soc Lond [Biol]** 1990 Nov 29;330(1257):253–9 (87 ref.)
Possible intermediate steps in the evolution of a prokaryotic developmental system. Errington J. **Proc R Soc Lond [Biol]** 1991 May 22;244(1310):117–21 (30 ref.)
Evolutionary changes in the genetic code. Osawa S, et al. **Proc R Soc Lond [Biol]** 1990 Jul 23;241(1300):19–28 (38 ref.)
Paleochronobiology circadian rhythms, gauges of adaptive Darwinian evolution; about 7–day (circaseptan) rhythms, gauges of integrative internal evolution. Kaiser H, et al. **Prog Clin Biol Res** 1990;341B:755–62 (22 ref.)
The molecular biology of IRBP: application to problems of uveitis, protein chemistry, and evolution. Nickerson JM, et al. **Prog Clin Biol Res** 1991;362:139–61 (44 ref.)
Optimization, constraint, and history in the evolution of eyes. Goldsmith TH. **Q Rev Biol** 1990 Sep;65(3):281–322 (157 ref.)
The ecology and evolution of inducible defenses. Harvell CD. **Q Rev Biol** 1990 Sep;65(3):323–40 (134 ref.)
Retroposons—seeds of evolution. Brosius J. **Science** 1991 Feb 15;251(4995):753 (17 ref.)
Histone deletion mutants challenge the molecular clock hypothesis. Behe MJ. **Trends Biochem Sci** 1990 Oct; 15(10):374–6 (14 ref.)
Tracing origins with molecular sequences: metazoan and eukaryotic beginnings. Lake JA. **Trends Biochem Sci** 1991 Feb;16(2):46–50 (31 ref.)
Genetics of gene transfer between species. Heinemann JA. **Trends Genet** 1991 Jun;7(6):181–5 (32 ref.)
Genomic imprinting in mammalian development: a parental tug–of–war. Moore T, et al. **Trends Genet** 1991 Feb; 7(2):45–9 (37 ref.)
The early development and evolution of the human brain. Crawford MA. **Ups J Med Sci Suppl** 1990;48:43–78 (57 ref.)
[Where do the parasites of man come from?] Combes C. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:59–64 (12 ref.) (Eng. Abstr.) **(Fre)**
[Recent perceptions on the development, assembly and function of the immune system] Mayr A. **Tierarztl Prax** 1991 Jun;19(3):235–40 (10 ref.) (Eng. Abstr.) **(Ger)**
[Afferentation as the leading factor in the evolutionary ontogenetic organization of the brain] Bogdanov OV. **Fiziol Zh SSSR** 1990 Dec;76(12):1659–68 (55 ref.) **(Rus)**
[The evolutionary pathways of the systems realizing the hormonal signal] Pertseva MN. **Fiziol Zh SSSR** 1990 Sep; 76(9):1126–37 (45 ref.) (Eng. Abstr.) **(Rus)**
[Molecular drive] Vol'kenshtein MV. **Mol Biol (Mosk)** 1990 Sep–Oct;24(5):1181–99 (62 ref.) (Eng. Abstr.) **(Rus)**
[The limbic system and the problem of the evolution of the vertebrate hindbrain] Belekhova MG. **Zh Evol Biokhim Fiziol** 1990 Jul–Aug;26(4):537–49 (78 ref.) **(Rus)**
[Sensory receptors: the evolution of the ionic environment of the receptor membrane] Gribakin FG. **Zh Evol Biokhim Fiziol** 1990 Jul–Aug;26(4):574–80 (18 ref.) **(Rus)**
[The outlook for evolutionary physiology (from the viewpoint of the historian of science)] Mirzoian EN. **Zh Evol Biokhim Fiziol** 1990 Jul–Aug;26(4):433–40 (48 ref.) **(Rus)**
[Does an evolutionary kinship exist between the chemosignal systems of eukaryotes and prokaryotes?] Pertseva MN. **Zh Evol Biokhim Fiziol** 1990 Jul–Aug;26(4):505–13 (39 ref.) **(Rus)**
[Modern concepts of the structural evolution of the nervous system exemplified by the vertebrate visual system] Repérant J, et al. **Zh Evol Biokhim Fiziol** 1990 Jul–Aug; 26(4):514–36 (87 ref.) **(Rus)**
[The vocalization and speech systems of the brain: an evolutionary neurobiological analysis] Vartanian IA, et al. **Zh Evol Biokhim Fiziol** 1990 Nov–Dec;26(6):826–36 (43 ref.) **(Rus)**
[The microevolution of anthropophilic prokaryotes as a factor altering the activity of epidemic processes. The microevolution of pathogenicity] Kalina GP. **Zh Mikrobiol Epidemiol Immunobiol** 1991 May;(5):71–4 (51 ref.) **(Rus)**
[Energy metabolism and the direction of evolutionary progress in the class of mammals] Zotin AI, et al. **Zh Obshch Biol** 1990 Nov–Dec;51(6):760–7 (34 ref.) (Eng. Abstr.) **(Rus)**

EWING'S TUMOR see **SARCOMA, EWING'S**

EXANTHEMA

DIAGNOSIS

[Infection with parvovirus B19: typical course of erythema infectiosum and its complications] Kirchesch H. **Z Hautkr** 1990 Nov;65(11):1007–10 (33 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Childhood exanthems. Old and new. Frieden IJ, et al. **Pediatr Clin North Am** 1991 Aug;38(4):859–87 (131 ref.)
[Recent etiological transformations in exanthematous diseases] Cruz M. **An Esp Pediatr** 1989 Sep;31 Suppl 38:1–4 (10 ref.) **(Spa)**

EXANTHEMA SUBITUM

MICROBIOLOGY

Human herpesvirus–6 and exanthem subitum. Bernstein DI. **Adv Pediatr Infect Dis** 1991;6:179–92 (62 ref.)
Herpes and the rash of roses: a new virus, HHV–6, as a cause of an old childhood disease, roseola. Hall CB. **Pediatr Ann** 1990 Sep;19(9):517–21 (34 ref.)

EXCHANGE TRANSFUSION, WHOLE BLOOD

Strategies for hepatic support in acute liver failure: role of extracorporeal devices versus liver transplantation. De Groot GH, et al. **J Gastroenterol Hepatol** 1989 May–Jun; 4(3):283–93 (86 ref.)
Exchange transfusion as an adjunct to the treatment of severe falciparum malaria: case report and review. Phillips P, et al. **Rev Infect Dis** 1990 Nov–Dec;12(6):1100–8 (49 ref.)
Exchange transfusion of whole blood in the treatment of cerebral malaria. Elder AT, et al. **Scott Med J** 1990 Oct; 35(5):146–7 (14 ref.)
[Treatment of acute hepatic failure] Paczkowski PM, et al. **Pol Arch Med Wewn** 1990 Sep;84(3):157–65 (0 ref.) **(Pol)**
[Early complications and treatment of marked blastic hyperleukocytosis in children with leukemia] Kubiczek K, et al. **Pol Tyg Lek** 1989 Oct 2–16;44(40–42):889–91 (24 ref.) **(Pol)**

EXCIPIENTS

Transdermal drug delivery: efficacy and potential applications of the penetration enhancer Azone. Wiechers JW, et al. **Drug Des Deliv** 1990 Jun;6(2):87–100 (90 ref.)

EXCITEMENT, PSYCHOMOTOR see **PSYCHOMOTOR AGITATION**

EXCITOTOXINS see **NEUROTOXINS**

EXERCISE

see related
EXERTION
PHYSICAL FITNESS

Exercise–induced muscle fatigue: the significance of potassium. Sjøgaard G. **Acta Physiol Scand Suppl** 1990; 593:1–63 (238 ref.)
Effect of exercise on lipids. Schieken RM. **Ann N Y Acad Sci** 1991;623:269–74 (25 ref.)
Nutrition and exercise: effects on adolescent health. Meredith CN, et al. **Annu Rev Public Health** 1991;12:309–33 (159 ref.)
Exercise and arthritis. Gerber LH. **Bull Rheum Dis** 1990; 39(6):1–9 (66 ref.)
How important is endogenous muscle glycogen to fatigue in prolonged exercise? Green HJ. **Can J Physiol Pharmacol** 1991 Feb;69(2):290–7 (71 ref.)
Biochemical adaptations to training: implications for resisting muscle fatigue. McCully KK, et al. **Can J Physiol Pharmacol** 1991 Feb;69(2):274–8 (20 ref.)
Role of exercise–induced potassium fluxes underlying muscle fatigue: a brief review. Sjøgaard G. **Can J Physiol Pharmacol** 1991 Feb;69(2):238–45 (106 ref.)
Sudden death during exercise. Amsterdam EA. **Cardiology** 1990;77(5):411–7 (27 ref.)
Effect of physical activity on age–related glucose intolerance. Laws A, et al. **Clin Geriatr Med** 1990 Nov;6(4):849–63 (72 ref.)
Psychologic aspects of exercise. Anthony J. **Clin Sports Med** 1991 Jan;10(1):171–80 (27 ref.)
Exercise participation after menopause. Sazy JA, et al. **Clin Sports Med** 1991 Apr;10(2):359–69 (26 ref.)
Exercise in therapy and prevention of type II diabetes. Implications for blacks. Ruderman N, et al. **Diabetes Care** 1990 Nov;13(11):1163–8 (71 ref.)
Women's physical activity and pregnancy outcome: a longitudinal analysis from the Philippines. Barnes DL, et al. **Int J Epidemiol** 1991 Mar;20(1):162–72 (48 ref.)
Physical activity and cancer. Shephard RJ. **Int J Sports Med** 1990 Dec;11(6):413–20 (88 ref.)
Exercise and sport in mental health: a review of the literature. Gleser J, et al. **Isr J Psychiatry Relat Sci** 1990;27(2):99–112 (83 ref.)
Effects of exercise and other nonpharmacological measures on blood pressure and cardiac hypertrophy. Jennings G, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S70–4 (16 ref.)
Exercise and fetal health. Clapp JF 3d. **J Dev Physiol** 1991 Jan;15(1):9–14 (34 ref.)
Physical exercise in the management of hypertension: a consensus statement by the World Hypertension League. **J Hypertens** 1991 Mar;9(3):283–7 (28 ref.)
Catastrophic medical events with exhaustive exercise: "white collar rhabdomyolysis". Knochel JP. **Kidney Int** 1990 Oct; 38(4):709–19 (73 ref.)

Energy imbalance and cancer of the breast, colon and prostate. Simopoulos AP. **Med Oncol Tumor Pharmacother** 1990;7(2–3):109–20 (55 ref.)

Exercise training and coronary collateral circulation. Franklin BA. **Med Sci Sports Exerc** 1991 Jun;23(6):648–53 (50 ref.)

Physiologic adaptations to prolonged high-intensity exercise training in patients with coronary artery disease. Hagberg JM. **Med Sci Sports Exerc** 1991 Jun;23(6):661–7 (59 ref.)

Exercise training in patients with impaired left ventricular function. Smith LK. **Med Sci Sports Exerc** 1991 Jun; 23(6):654–60 (14 ref.)

Exercise and fitness. Franklin BA, et al. **Obstet Gynecol Clin North Am** 1990 Dec;17(4):817–35 (37 ref.)

The benefits of a physically active workforce: an organizational perspective. Boyer ML, et al. **Occup Med** 1990 Oct–Dec;5(4):691–706 (98 ref.)

Exercise and arthritis. Exercise and the back. Liemohn W. **Rheum Dis Clin North Am** 1990 Nov;16(4):945–70 (75 ref.)

Does exercise cause arthritis? Long-term consequences of exercise on the musculoskeletal system. Panush RS. **Rheum Dis Clin North Am** 1990 Nov;16(4):827–36 (65 ref.)

Benefits of sport and physical activity for the disabled: implications for the individual and for society. Shephard RJ. **Scand J Rehabil Med** 1991;23(2):51–9 (80 ref.)

Exercise and mild essential hypertension. Recommendations for adults. Gordon NF, et al. **Sports Med** 1990 Dec; 10(6):390–404 (88 ref.)

Physical exercise and menstrual cycle alterations. What are the mechanisms? Keizer HA, et al. **Sports Med** 1990 Oct; 10(4):218–35 (105 ref.)

The role of exercise in weight regulation in nonathletes. King AC, et al. **Sports Med** 1991 May;11(5):331–49 (154 ref.)

The effects of acute and chronic exercise of immunoglobulins. Nieman DC, et al. **Sports Med** 1991 Mar;11(3):183–201 (88 ref.)

Developmental aspects of physiological function relating to aerobic exercise in children. Rowland TW. **Sports Med** 1990 Oct;10(4):255–66 (50 ref.)

Biochemical mechanisms for oxygen free radical formation during exercise. Sjödin B, et al. **Sports Med** 1990 Oct; 10(4):236–54 (148 ref.)

Central and peripheral aspects of oxygen transport and adaptations with exercise. Wagner PD. **Sports Med** 1991 Mar;11(3):133–42 (48 ref.)

[Physical training of patients with rheumatoid arthritis] Lyngberg KK, et al. **Ugeskr Laeger** 1991 Jun 17; 153(25):1795–8 (30 ref.) (Eng. Abstr.) **(Dan)**

[The effect of supramaximal exercise on the recovery kinetics of lactate] Freund H, et al. **Schweiz Z Sportmed** 1991 Jun; 39(2):65–76 (101 ref.) (Eng. Abstr.) **(Fre)**

[The value of physical activity for prevention of coronary heart disease] Rost R, et al. **Fortschr Med** 1991 Jan 30; 109(3):41–4 (0 ref.) (Eng. Abstr.) **(Ger)**

[Physical exercise for prevention and therapy] Falkenbach A. **Med Monatsschr Pharm** 1990 Oct 10;13(10):303–12 (143 ref.) **(Ger)**

[Physical activity and coronary heart disease] Niederhauser HU. **Schweiz Rundsch Med Prax** 1990 Sep 11; 79(37):1068–73 (50 ref.) (Eng. Abstr.) **(Ger)**

[Mental aspects of physical activity] Drory Y, et al. **Harefuah** 1990 Sep;119(5–6):160–2 (47 ref.) **(Heb)**

[A case of food-dependent exercise-induced anaphylaxis] Watanabe T, et al. **Arerugi** 1990 Nov;39(11):1523–8 (32 ref.) (Eng. Abstr.) **(Jpn)**

[Performance of athletes exercising in ozone polluted air] Morales Cardona T. **Bol Asoc Med P R** 1990 Dec; 82(12):517–22 (22 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

The response of muscle to enhanced and reduced activity. Hudlicka O. **Baillieres Clin Endocrinol Metab** 1990 Sep; 4(3):417–39 (114 ref.)

Muscle metabolism during fatigue and work. Layzer RB. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):441–59 (47 ref.)

Bone tissue and physical activity. Bailey DA, et al. **Can J Sport Sci** 1990 Dec;15(4):229–39 (127 ref.)

Responses to acute exercise and training after cardiac transplantation: a review. Shephard RJ. **Can J Sport Sci** 1991 Mar;16(1):9–22 (165 ref.)

The mechanism of extertional fatigue in heart failure. Wilson JR, et al. **Cardioscience** 1990 Mar;1(1):13–7 (24 ref.)

Ovulation disturbances and exercise training. Prior JC, et al. **Clin Obstet Gynecol** 1991 Mar;34(1):180–90 (33 ref.)

Scientific, medical, and practical aspects of stretching. Anderson B, et al. **Clin Sports Med** 1991 Jan;10(1):63–86 (30 ref.)

Exercise training programs and cardiorespiratory adaptation. Cox MH. **Clin Sports Med** 1991 Jan;10(1):19–32 (22 ref.)

Strength training. DiNubile NA. **Clin Sports Med** 1991 Jan; 10(1):33–62 (76 ref.)

The role of exercise in the primary and secondary prevention of coronary artery disease. Gordon NF, et al. **Clin Sports Med** 1991 Jan;10(1):87–103 (57 ref.)

The role of exercise in children and adolescents. McKeag DB. **Clin Sports Med** 1991 Jan;10(1):117–30 (28 ref.)

Pulmonary concerns and the exercise prescription. Mink BD. **Clin Sports Med** 1991 Jan;10(1):105–16 (33 ref.)

Exercise in women. Effects on reproductive system and pregnancy. Warren MP. **Clin Sports Med** 1991 Jan; 10(1):131–9 (44 ref.)

Human circadian rhythms and exercise. Reilly T. **Crit Rev Biomed Eng** 1990;18(3):165–80 (115 ref.)

Muscle growth and exercise. Pearson AM. **Crit Rev Food Sci Nutr** 1990;29(3):167–96 (240 ref.)

Diet and exercise as regulators of lipid risk factors. Lewis B. **Drugs** 1990;40 Suppl 1:19–24; discussion 24–5 (15 ref.)

Respiratory muscle fatigue limiting physical exercise? Fitting JW. **Eur Respir J** 1991 Jan;4(1):103–8 (57 ref.)

Regulation of muscle carbohydrate metabolism during exercise. Stanley WC, et al. **FASEB J** 1991 May;5(8):2155–9 (51 ref.)

Influence of physical activity on the cellular immune system: mechanisms of action. Pedersen BK. **Int J Sports Med** 1991 Jun;12 Suppl 1:S23–9 (54 ref.)

Exercise, functional decline and frailty [editorial] Larson EB. **J Am Geriatr Soc** 1991 Jun;39(6):635–6 (12 ref.)

Reflex control of the circulation during exercise: chemoreflexes and mechanoreflexes. Rowell LB, et al. **J Appl Physiol** 1990 Aug;69(2):407–18 (92 ref.)

Relationship between ambulatory or exercise blood pressure and left ventricular structure: prognostic implications. Devereux RB, et al. **J Hypertens Suppl** 1990 Dec; 8(6):S125–34 (76 ref.)

Minerals: exercise performance and supplementation in athletes. Clarkson PM. **J Sports Sci** 1991 Summer;9 Spec No:91–116 (122 ref.)

Timing and method of increased carbohydrate intake to cope with heavy training, competition and recovery. Coyle EF. **J Sports Sci** 1991 Summer;9 Spec No:29–51; discussion 51–2 (76 ref.)

Carbohydrates and exercise. Hargreaves M. **J Sports Sci** 1991 Summer;9 Spec No:17–28 (59 ref.)

Effect of exercise on protein requirements. Lemon PW. **J Sports Sci** 1991 Summer;9 Spec No:53–70 (98 ref.)

Fluid and electrolyte loss and replacement in exercise. Maughan RJ. **J Sports Sci** 1991 Summer;9 Spec No:117–42 (113 ref.)

Vitamin supplementation and physical exercise performance. van der Beek EJ. **J Sports Sci** 1991 Summer;9 Spec No:77–90 (73 ref.)

A clinical application of exercise physiology and nutritional support for the mechanically ventilated patient. McMahon MM, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct; 14(5):538–42 (54 ref.)

Exercise as prevention: do the health benefits derive in part from lower iron levels? Lauffer RB. **Med Hypotheses** 1991 Jun;35(2):103–7 (35 ref.)

Effect of beta-blockers on exercise physiology: implications for exercise training. Gordon NF, et al. **Med Sci Sports Exerc** 1991 Jun;23(6):668–76 (50 ref.)

The influence of volume on gastric emptying and fluid balance during prolonged exercise. Mitchell JB, et al. **Med Sci Sports Exerc** 1991 Mar;23(3):314–9 (36 ref.)

The importance of volume in regulating gastric emptying. Noakes TD, et al. **Med Sci Sports Exerc** 1991 Mar; 23(3):307–13 (36 ref.)

Exercise physiology and cardiovascular fitness. Braun LT. **Nurs Clin North Am** 1991 Mar;26(1):135–47 (35 ref.)

Motivational considerations in physical activity involvement. Lewthwaite R. **Phys Ther** 1990 Dec;70(12):808–19 (98 ref.)

Endpoints of chronobiologic cardiovascular monitoring during pregnancy for planning exercise and assessing effects. Crakes JG, et al. **Prog Clin Biol Res** 1990; 341A:605–14 (28 ref.)

Physiologic measurement of exercise and fatigue with special reference to chronic fatigue syndrome. Lewis SF, et al. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S98–108 (69 ref.)

Physiological effects of exercising with handweights. Auble TE, et al. **Sports Med** 1991 Apr;11(4):244–56 (40 ref.)

Plasma glucose metabolism during exercise in humans. Coggan AR. **Sports Med** 1991 Feb;11(2):102–24 (123 ref.)

Regulation of glycogen resynthesis following exercise. Dietary considerations. Friedman JE, et al. **Sports Med** 1991 Apr;11(4):232–43 (68 ref.)

Muscle glycogen synthesis before and after exercise. Ivy JL. **Sports Med** 1991 Jan;11(1):6–19 (55 ref.)

Sodium bicarbonate ingestion and exercise performance. An update. Linderman J, et al. **Sports Med** 1991 Feb;11(2):71–7 (30 ref.)

Thermoregulation in pregnancy. Implications for exercise. McMurray RG, et al. **Sports Med** 1990 Sep;10(3):146–58 (61 ref.)

The impact of exercise and diet restriction on daily energy expenditure. Poehlman ET, et al. **Sports Med** 1991 Feb; 11(2):78–101 (95 ref.)

Bias in estimating caloric expenditure from physical activity in children. Implications for epidemiological studies. Sallis JF, et al. **Sports Med** 1991 Apr;11(4):203–9 (45 ref.)

Erythrocytic system under the influence of physical exercise and training. Szygula Z. **Sports Med** 1990 Sep;10(3):181–97 (137 ref.)

Function of vitamin E in physical exercise: a review. Gerster H. **Z Ernahrungswiss** 1991 Jun;30(2):89–97 (38 ref.)

[Sports during pregnancy] Lotgering FK. **Tijdschr Kindergeneeskd** 1990 Aug;58(4):111–7 (25 ref.) (Eng. Abstr.) **(Dut)**

[Glucocorticoid receptors in physiological states and in extreme conditions] Vorob'ev DV, et al. **Kosm Biol Aviakosm Med** 1990 Nov–Dec;24(6):4–11 (92 ref.) (Eng. Abstr.) **(Rus)**

EXERCISE, AEROBIC see **EXERCISE**

EXERCISE-INDUCED ASTHMA see **ASTHMA, EXERCISE-INDUCED**

EXERCISE-INDUCED BRONCHOSPASM see **ASTHMA, EXERCISE-INDUCED**

EXERCISE, ISOMETRIC see **EXERCISE**

EXERCISE, PHYSICAL see **EXERCISE**

EXERCISE TEST

Appraisal of clinical models based on results of stress nuclear imaging in risk stratification [editorial] Iskandrian AS. **Am Heart J** 1990 Dec;120(6 (Pt 1)):1487–90 (24 ref.)

Exercise thallium-201 perfusion scintigraphy in the assessment of coronary artery disease. Mahmarian JJ, et al. **Am J Cardiol** 1991 May 21;67(14):2D–11D (67 ref.)

Assessment of exercise tolerance in chronic congestive heart failure. Solal AC, et al. **Am J Cardiol** 1991 May 6; 67(12):36C–40C (36 ref.)

Exercise thallium-201 scintigraphy in the diagnosis and prognosis of coronary artery disease. Kotler TS, et al. **Ann Intern Med** 1990 Nov 1;113(9):684–702 (193 ref.)

Impact of integrative cardiopulmonary exercise testing on clinical decision making. Sue DY, et al. **Chest** 1991 Apr; 99(4):981–92 (54 ref.)

Optimizing the exercise test for pharmacological investigations [see comments] Myers J, et al. **Circulation** 1990 Nov;82(5):1839–46 (58 ref.) Comment in: Circulation 1991 Jun;83(6):2144–5.

Prognostic impact of stress testing in coronary artery disease. Severi S, et al. **Circulation** 1991 May;83(5 Suppl):II182–8 (47 ref.)

Exercise testing in the assessment of pulmonary disease. Blackie SP, et al. **Clin Rev Allergy** 1990 Summer–Fall; 8(2–3):215–27 (20 ref.)

Hemodynamics and exercise capacity during pacemaker stimulation. Nordlander R, et al. **Herz** 1991 Jun; 16(3):149–57 (37 ref.)

Exercise testing and training in patients with peripheral vascular disease and lower extremity amputation. Priebe M, et al. **West J Med** 1991 May;154(5):598–601 (22 ref.)

[Bicycle ergometry in heart valve defects] Terzieva L. **Vutr Boles** 1990;29(3):26–34 (0 ref.) **(Bul)**

[Silent myocardial ischemia] von Arnim T. **Internist (Berl)** 1990 Oct;31(10):657–61 (13 ref.) **(Ger)**

[Exercise-induced systolic hypotension: diagnostic, prognostic and therapeutic significance] Auerbach I, et al. **Harefuah** 1991 Feb 1;120(3):141–6 (42 ref.) **(Heb)**

[Analysis of the recovery phase after the ergometric test] Specchia G. **G Ital Cardiol** 1990 Jun;20(6):516–7 (1 ref.) **(Ita)**

[Early exercise tests after myocardial infarction] Bednarz B. **Kardiol Pol** 1990;33(8):36–40 (32 ref.) **(Pol)**

[Interpretation of exercise tests] Wrabec K. **Kardiol Pol** 1991; 34(3):185–90 (17 ref.) **(Pol)**

[Bayesian analysis of ergometry test] de Brito AH. **Arq Bras Cardiol** 1991 Feb;56(2):97–103 (48 ref.) **(Por)**

[Current indications for the performance of the ergometric test] Trezza E. **Rev Paul Med** 1990 May–Jun;108(3):134–8 (29 ref.) **(Por)**

[Value of the ergometric test after myocardial infarction] Carvalho M, et al. **Rev Port Cardiol** 1990 Sep;9(9):729–44 (130 ref.) (Eng. Abstr.) **(Por)**

[Exercise test in exercise-induced asthma in children: study of delayed response] Martorell Aragonés A, et al. **An Esp Pediatr** 1990 Jun;32(6):479–83 (25 ref.) (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Real-time digital monitoring: current capabilities and future role. Raby KE, et al. **Adv Cardiol** 1990;37:96–104 (19 ref.)

Stress echocardiography: ready for routine clinical use? Iliceto S, et al. **Eur Heart J** 1991 Feb;12(2):262–5 (22 ref.)

Perspectives on cardiovascular fitness and SCI [published erratum appears in J Am Paraplegia Soc 1991 Jan;14(1):21] Figoni SF. **J Am Paraplegia Soc** 1990 Oct;13(4):63–71 (89 ref.)

METHODS

Variability of myocardial ischemia: implications for monitoring strategies. Deanfield JE, et al. **Adv Cardiol** 1990; 37:176–86 (19 ref.)

The prognosis of individuals with silent myocardial ischemia. Schlant RC. **Adv Cardiol** 1990;37:187–201 (66 ref.)

Prognostic significance of silent myocardial ischemia by exercise testing. Weiner DA. **Adv Cardiol** 1990;37:270–7 (28 ref.)

The preparticipation fitness test. Van Handel PJ. **Clin Sports Med** 1991 Jan;10(1):1–18 (32 ref.)

[201Thallium reinjection after exertion-redistribution myocardial scintigraphy. A new method for distinguishing between scars and vital myocardium] Munz DL, et al. **Dtsch Med Wochenschr** 1991 Mar 8;116(10):361–6 (21 ref.) (Eng. Abstr.) **(Ger)**

[Optimization of noninvasive tests in the diagnosis of coronary insufficiency] Jorge Filho JP. **Arq Bras Cardiol** 1990 Oct;55(4):255–61 (38 ref.) **(Por)**

STANDARDS

Exercise standards. A statement for health professionals from the American Heart Association. Fletcher GF, et al. **Circulation** 1990 Dec;82(6):2286–322 (99 ref.)

Stress testing: optimal use of the various modalities of stress testing in the diagnosis of coronary artery disease. Baltazar RF. **Md Med J** 1991 Jun;40(6):501–11 (106 ref.)

EXERCISE THERAPY

Rehabilitation strategies for the complex cardiac patient. Pashkow FJ. **Cleve Clin J Med** 1991 Jan–Feb;58(1):70–5 (56 ref.)

Keeping fit when injured. Croce P, et al. **Clin Sports Med** 1991 Jan;10(1):181–95 (21 ref.)

The role of exercise in the primary and secondary prevention of coronary artery disease. Gordon NF, et al. **Clin Sports Med** 1991 Jan;10(1):87–103 (57 ref.)

Athletic participation after myocardial revascularization. Possibilities and benefits. Kay GL. **Clin Sports Med** 1991 Apr;10(2):371–89 (65 ref.)

Weight control and exercise. Miles DS. **Clin Sports Med** 1991 Jan;10(1):157–69 (27 ref.)

Pulmonary concerns and the exercise prescription. Mink BD. **Clin Sports Med** 1991 Jan;10(1):105–16 (33 ref.)

The use of knee braces during rehabilitation. Nelson KA. **Clin Sports Med** 1990 Oct;9(4):799–811 (40 ref.)

Physical activity from rehabilitation to independent community function: the role of physical activity in handicapping conditions. Stein JU. **Clin Sports Med** 1991 Jan;10(1):211–21 (28 ref.)

Nutrition management for individuals with noninsulin-dependent diabetes mellitus in the 1990s: a review by the Diabetes Care and Education dietetic practice group. Beebe CA, et al. **J Am Diet Assoc** 1991 Feb;91(2):196–202, 205–7 (31 ref.)

The role of exercise therapy in patients with impaired ventricular function and chronic heart failure. Kellermann JJ. **J Cardiovasc Pharmacol** 1987;10 Suppl 6:S172–7 (25 ref.)

Physical exercise in the management of hypertension: a consensus statement by the World Hypertension League. **J Hypertens** 1991 Mar;9(3):283–7 (28 ref.)

Exercise training and coronary collateral circulation. Franklin BA. **Med Sci Sports Exerc** 1991 Jun;23(6):648–53 (50 ref.)

Effect of beta-blockers on exercise physiology: implications for exercise training. Gordon NF, et al. **Med Sci Sports Exerc** 1991 Jun;23(6):668–76 (50 ref.)

Physiologic adaptations to prolonged high-intensity exercise training in patients with coronary artery disease. Hagberg JM. **Med Sci Sports Exerc** 1991 Jun;23(6):661–7 (59 ref.)

Effects of exercise training on glucose control, lipid metabolism, and insulin sensitivity in hypertriglyceridemia and non-insulin dependent diabetes mellitus. Lampman RM, et al. **Med Sci Sports Exerc** 1991 Jun;23(6):703–12 (60 ref.)

Exercise training in patients with impaired left ventricular function. Smith LK. **Med Sci Sports Exerc** 1991 Jun;23(6):654–60 (14 ref.)

Exercise training after cardiac transplantation. Squires RW. **Med Sci Sports Exerc** 1991 Jun;23(6):686–94 (40 ref.)

Exercise training, serum lipids, and lipoprotein particles: is there a change threshold? Superko HR. **Med Sci Sports Exerc** 1991 Jun;23(6):677–85 (85 ref.)

Arthritis and adaptive walking and running. Allen ME. **Rheum Dis Clin North Am** 1990 Nov;16(4):887–914 (174 ref.)

Exercise in patients with inflammatory arthritis and connective tissue disease. Hicks JE. **Rheum Dis Clin North Am** 1990 Nov;16(4):845–70 (63 ref.)

Resistance exercise training for persons with arthritis. McCubbin JA. **Rheum Dis Clin North Am** 1990 Nov;16(4):931–43 (30 ref.)

Aquatic therapy for patients with rheumatic disease. McNeal RL. **Rheum Dis Clin North Am** 1990 Nov;16(4):915–29 (22 ref.)

Exercise and arthritis. Adaptive bicycling. Namey TC. **Rheum Dis Clin North Am** 1990 Nov;16(4):871–86 (34 ref.)

Exercise and arthritis. Kinesiology and the degenerative joint. Pothier B, et al. **Rheum Dis Clin North Am** 1990 Nov;16(4):989–1002 (22 ref.)

Therapeutic exercise for rheumatoid arthritis and osteoarthritis. Semble EL, et al. **Semin Arthritis Rheum** 1990 Aug;20(1):32–40 (48 ref.)

Exercise testing and training in patients with peripheral vascular disease and lower extremity amputation. Priebe M, et al. **West J Med** 1991 May;154(5):598–601 (22 ref.)

[Lumbago: rest or movement?] Ernst E. **Fortschr Med** 1991 Apr 30;109(13):271–2 (21 ref.) (Eng. Abstr.) **(Ger)**

[Usefulness of physical exercise in nutritional rehabilitation] de la Torre Beldarrain ML. **Nutr Hosp** 1991 Jan–Feb;6(1):59–65 (9 ref.) (Eng. Abstr.) **(Spa)**

METHODS

Back pain and the exercise prescription. Foster DN, et al. **Clin Sports Med** 1991 Jan;10(1):197–209 (48 ref.)

Aggressive rehabilitation protocol following anterior cruciate ligament reconstruction (bone-patella-bone). Barrett GR, et al. **J Miss State Med Assoc** 1991 Feb;32(2):45–8 (5 ref.)

Conditioning of the spinal stretch reflex: implications for rehabilitation. Wolf SL, et al. **Phys Ther** 1990 Oct; 70(10):652–6 (30 ref.)

EXERTION

see related
EXERCISE
FATIGUE
SPORTS
WORK

Hepatic fuel metabolism during muscular work: role and regulation [editorial] Wasserman DH, et al. **Am J Physiol** 1991 Jun;260(6 Pt 1):E811–24 (112 ref.)

Energy metabolism and fatigue during intense muscle contraction. Hultman E, et al. **Biochem Soc Trans** 1991 Apr;19(2):347–53 (36 ref.)

Physical and mental fatigue: do changes in plasma amino acids play a role? Newsholme EA, et al. **Biochem Soc Trans** 1991 Apr;19(2):358–62 (21 ref.)

Evaluation of animal models for the study of exercise-induced muscle enlargement. Timson BF. **J Appl Physiol** 1990 Dec;69(6):1935–45 (117 ref.)

The role of chemosensitive muscle receptors in cardiorespiratory regulation during exercise. Tallarida G, et al. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S155–61 (21 ref.)

Current issues in seamen's labour intensity (a review of Soviet literature). Netudykhatka OY. **J Hyg Epidemiol Microbiol Immunol** 1990;34(3):261–6 (38 ref.)

Hypotheses to explain the association between vigorous physical activity and amyotrophic lateral sclerosis. Longstreth WT, et al. **Med Hypotheses** 1991 Feb;34(2):144–8 (52 ref.)

Molecular and cellular adaptation of muscle in response to exercise: perspectives of various models. Booth FW, et al. **Physiol Rev** 1991 Apr;71(2):541–85 (440 ref.)

Physical activity and energy expenditure in undernutrition. Spurr GB. **Prog Food Nutr Sci** 1990;14(2–3):139–92 (133 ref.)

Exercise-induced pulmonary hemorrhage. Sweeney CR. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):93–104 (43 ref.)

A review of the pathophysiology of exercise-induced pulmonary haemorrhage in the equine athlete. Donaldson LL. **Vet Res Commun** 1991;15(3):211–26 (91 ref.)

[Myosin polymorphism and exercise adaptation] Wang J, et al. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):51–4 (33 ref.) **(Chi)**

[Isolated exertion headache and Chiari's malformation] Hubert P, et al. **Rev Neurol (Paris)** 1991;147(2):155–7 (10 ref.) (Eng. Abstr.) **(Fre)**

[Effect of physical exercise on lymphocyte populations] Lekue JA, et al. **Sangre (Barc)** 1990 Dec;35(6):459–64 (89 ref.) **(Spa)**

PHYSIOLOGY

Hemodynamic determinants of exercise capacity in chronic heart failure. Myers J, et al. **Ann Intern Med** 1991 Sep 1;115(5):377–86 (115 ref.)

Transmural steal with isoproterenol and exercise in poststenotic myocardium. Gallagher KP. **Basic Res Cardiol** 1990;85 Suppl 1:145–55 (36 ref.)

Increased coronary tone in exertional angina: the beneficial effects of calcium antagonists. Specchia G, et al. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 5:893–7 (35 ref.)

Role of calcium channel blockers in experimental exercise-induced ischemia. Thaulow E, et al. **Cardiovasc Drugs Ther** 1988 Jan;1(5):503–12 (60 ref.)

Work under extreme conditions. Luczak H. **Ergonomics** 1991 Jun;34(6):687–720 (44 ref.)

The ischymetric control of feeding. Nicolaïdis S, et al. **Int J Obes** 1990;14 Suppl 3:35–49; discussion 50–2 (29 ref.)

Exertional rhabdomyolysis in two prison inmates. Greene JT, et al. **J Med Assoc Ga** 1990 Oct;79(10):743–6 (20 ref.)

Mineral waters in treatment of metabolic changes from fatigue in sportsmen. Grassi M, et al. **J Sports Med Phys Fitness** 1990 Dec;30(4):441–9 (37 ref.)

Physiologic measurement of exercise and fatigue with special reference to chronic fatigue syndrome. Lewis SF, et al. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S98–108 (69 ref.)

The assessment of physical activity by leisure-time physical activity questionnaires. Lamb KL, et al. **Sports Med** 1990 Sep;10(3):159–80 (109 ref.)

Dietary intake and metabolic parameters in adult men during extreme work load. Pařizková J, et al. **World Rev Nutr Diet** 1991;65:72–98 (26 ref.)

[Physical exertion and obesity] Krotkiewski M. **Wiad Lek** 1990 May 1–15;43(9–10):449–54 (19 ref.) **(Pol)**

[Female physiology during exercise] Rivera Brown AM. **P R Health Sci J** 1990 Apr;9(1):79–84 (21 ref.) (Eng. Abstr.) **(Spa)**

[Diurnal rhythm and performance in sports—a review and some practical advice] Berglund B. **Lakartidningen** 1991 May 22;88(21):1975–7 (26 ref.) **(Swe)**

EXISTENTIAL PSYCHOLOGY see **EXISTENTIALISM**

EXISTENTIALISM

[Perspectives of an existential interdisciplinary body theory] Kühn R. **Z Klin Psychol Psychopathol Psychother** 1990; 38(4):376–96 (80 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

The Tao, psychoanalysis and existential thought. Rhee D. **Psychother Psychosom** 1990;53(1–4):21–7 (25 ref.)

EXO-1,4-ALPHA-GLUCOSIDASE see **GLUCAN 1,4-ALPHA-GLUCOSIDASE**

EXOCYTOSIS

Intracellular mechanisms in exocytotic secretion. Schweizer FE, et al. **Biochem Pharmacol** 1991 Jan 15;41(2):163–9 (60 ref.)

Control of motility, exocytosis and the respiratory burst in human neutrophils. Baggiolini M, et al. **Biochem Soc Trans** 1991 Feb;19(1):55–9 (54 ref.)

Proteins of synaptic vesicles involved in exocytosis and membrane recycling. Südhof TC, et al. **Neuron** 1991 May; 6(5):665–77 (103 ref.)

PHYSIOLOGY

Mucin exocytosis. Verdugo P. **Am Rev Respir Dis** 1991 Sep; 144(3 Pt 2):S33–7 (61 ref.)

The role and mechanism of the GTP-binding protein GE in the control of regulated exocytosis. Gomperts BD, et al. **Biochem Soc Symp** 1990;56:85–101 (79 ref.)

Evidence for a role of calpactin in calcium-dependent exocytosis. Burgoyne RD, et al. **Biochem Soc Trans** 1990 Dec;18(6):1101–4 (21 ref.)

Control of exocytosis in adrenal chromaffin cells. Burgoyne RD. **Biochim Biophys Acta** 1991 Jul 22;1071(2):174–202 (282 ref.)

Nonparallel transport and mechanisms of secretion. Rothman S, et al. **Biochim Biophys Acta** 1991 Jul 22;1071(2):159–73 (99 ref.)

Further considerations on erythroblastic endocytosis and exocytosis. 1. Arguments in favor of the concept that visualized ferritin is ferritin undergoing endocytosis rather than excretion in erythroblasts. Breton-Gorius J. **Blood Cells** 1991;17(1):153–5 (16 ref.)

The erythroblastic island: exocytosis of erythroblast ferritin during erythropoiesis. Pollycove M. **Blood Cells** 1991; 17(1):147–53 (19 ref.)

Cortical granules and the cortical reaction in mammals. Cran DG, et al. **J Reprod Fertil Suppl** 1990;42:177–88 (74 ref.)

Egg signals for triggering the acrosome reaction in starfish spermatozoa. Hoshi M, et al. **J Reprod Fertil Suppl** 1990; 42:23–31 (21 ref.)

Time-resolved capacitance measurements: monitoring exocytosis in single cells. Lindau M. **Q Rev Biophys** 1991 Feb;24(1):75–101 (81 ref.)

EXODONTICS see **TOOTH EXTRACTION**

EXOMPHALOS see **HERNIA, UMBILICAL**

EXOMPHALOS-MACROGLOSSIA-GIGANTISM SYNDROME see **BECKWITH-WIEDEMANN SYNDROME**

EXONS

Exons—original building blocks of proteins? Patthy L. **Bioessays** 1991 Apr;13(4):187–92 (58 ref.)

EXOPHTHALMIC GOITER see **GRAVES' DISEASE**

EXOPHTHALMOS

ETIOLOGY

Systemic associations of exophthalmos. Marines HM, et al. **Int Ophthalmol Clin** 1991 Summer;31(3):143–62 (73 ref.)

Inverted squamous papilloma with neuro-ophthalmic features. Peterson IM, et al. **J Clin Neuro Ophthalmol** 1991 Mar;11(1):35–8 (8 ref.)

[Exophthalmos caused by orbital metastasis of prostatic carcinoma] Romero Pérez P, et al. **Arch Esp Urol** 1991 Mar;44(2):191–4 (14 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Transantral decompression for malignant exophthalmos. Ogura JH, et al. **Otolaryngol Clin North Am** 1971 Feb; 4(1):193–203 (21 ref.)

EXORIBONUCLEASES

METABOLISM

Different specificities of ribonuclease II and polynucleotide phosphorylase in 3'mRNA decay. Guarneros G, et al. **Biochimie** 1990 Nov;72(11):771–7 (29 ref.)

EXOSTOSES

Heel spur syndrome. Pathomechanics and nonsurgical treatment. Biomechanics Graduate Research Group for 1988. Scherer PR. **J Am Podiatr Med Assoc** 1991 Feb; 81(2):68–72 (41 ref.)

[Exostosis of the external auditory canal: clinical and therapeutic aspects] Portmann D, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991;112(3):231–5 (20 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Calcaneal osteotomy for retrocalcaneal exostosis. Green AH, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):659–65 (18 ref.)
Anterior ankle arthroplasty. Hensley JP. **Clin Podiatr Med Surg** 1991 Jul;8(3):625–35 (14 ref.)
Common exostectomies of the rearfoot. Le TA, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):601–23 (69 ref.)

VETERINARY

[Spavin in horses] Barneveld A. **Tijdschr Diergeneeskd** 1990 Dec 15;115(24):1162–7 (0 ref.) (Eng. Abstr.) **(Dut)**

EXOSTOSIS, OSTEOCARTILAGINOUS see **OSTEOCHONDROMA**

EXOTOXINS

Pseudomonas exotoxin—immunotoxins. FitzGerald DJ, et al. **Cancer Treat Res** 1988;37:161–73 (34 ref.)

CHEMISTRY

Structure–activity relationships in diphtheria toxin and Pseudomonas aeruginosa exotoxin A. Collier RJ. **Cancer Treat Res** 1988;37:25–35 (51 ref.)

GENETICS

Structure, function, and regulation of Pseudomonas aeruginosa exotoxin A. Wick MJ, et al. **Annu Rev Microbiol** 1990;44:335–63 (111 ref.)

IMMUNOLOGY

[Stimulation of the immune system by microbial "superantigens"] Fleischer B. **Immun Infekt** 1991 Feb; 19(1):8–11 (47 ref.) (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Immunoconjugates of Pseudomonas exotoxin A: evaluation in mice, monkeys, and man. Morgan AC Jr, et al. **Cancer Detect Prev** 1991;15(2):137–43 (33 ref.)

TOXICITY

Selective killing of tumor cells using EGF or TGF alpha–Pseudomonas exotoxin chimeric molecules. Siegall CB, et al. **Semin Cancer Biol** 1990 Oct;1(5):345–50 (40 ref.)

EXPECTORANTS

ADMINISTRATION & DOSAGE

[Carbocysteine–sobrerol combination and exacerbation of chronic bronchitis] Pasturenzi L, et al. **Arch Monaldi Mal Torace** 1988 Nov–Dec;43(6):487–505 (45 ref.) (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

[Mucolytic therapy: a new product] Zoni G. **Boll Chim Farm** 1990 Oct–Nov;129(10–11):22S–26S (29 ref.) **(Ita)**

EXPENDITURES, HEALTH

Economics of hospice care. Carney K, et al. **Oncol Nurs Forum** 1991 May–Jun;18(4):761–8 (75 ref.)

STATISTICS & NUMERICAL DATA

The 20-year experiment: accounting for, explaining, and evaluating health care cost containment in Canada and the United States. Evans RG, et al. **Annu Rev Public Health** 1991;12:481–518 (92 ref.)
Health care financing for severe developmental disabilities. Birenbaum A, et al. **Monogr Am Assoc Ment Retard** 1990; (14):1–150 (134 ref.)

TRENDS

Trends in retail prescription expenditures. Schondelmeyer SW, et al. **Health Aff (Millwood)** 1990 Fall;9(3):131–45 (26 ref.)
Health care cost inflation and employer cost management. Custer WS. **J Occup Med** 1990 Dec;32(12):1229–34 (35 ref.)

EXPERIMENTAL DESIGN see **RESEARCH DESIGN**

EXPERT SYSTEMS

ESPRE—expert system for platelet request evaluation. Connelly DP, et al. **Am J Clin Pathol** 1990 Oct;94(4 Suppl 1):S19–24 (22 ref.)
Embedding expert systems in laboratory information systems. Connelly DP. **Am J Clin Pathol** 1990 Oct;94(4 Suppl 1):S7–14 (30 ref.)
A diagnostic expert system for colonic lesions. Graham AR, et al. **Am J Clin Pathol** 1990 Oct;94(4 Suppl 1):S15–8 (4 ref.)
A knowledge-based system for transfusion advice. Spackman KA, et al. **Am J Clin Pathol** 1990 Oct;94(4 Suppl 1):S25–9 (4 ref.)
Expert systems for efficient handling of medical information. I. Lung cancer. Marchevsky AM. **Anal Quant Cytol Histol** 1991 Apr;13(2):89–92 (20 ref.)
Expert systems in obstetrics and gynaecology. Chard T, et al. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):815–40 (55 ref.)
Limitations of expert systems: intuition versus analysis. Lilford RJ. **Baillieres Clin Obstet Gynaecol** 1990 Dec; 4(4):851–6 (3 ref.)
Expert systems and the clinical laboratory information system. Connelly DP, et al. **Clin Lab Med** 1991 Mar; 11(1):135–51 (77 ref.)
The clinical practitioner and expert systems. Funck-Brentano JL. **Contrib Nephrol** 1990;78:166–72; discussion 172–3 (0 ref.)
Artificial intelligence for medical decision making. Kumar AA, et al. **J Assoc Physicians India** 1990 Jul;38(7):475–8 (18 ref.)
[Expert system and pharmaceutical science] Feng F, et al. **Yao Hsueh Hsueh Pao** 1990;25(4):315–20 (56 ref.) **(Chi)**

INSTRUMENTATION

The structure of expert diagnostic knowledge in occupational medicine. Harber P, et al. **Am J Ind Med** 1991;19(1):109–20 (8 ref.)

EXPERT TESTIMONY

Credibility examination of children and adolescents on the question of sexual abuse. von Klitzing K. **Acta Paedopsychiatr** 1990;53(3):181–90 (14 ref.)
Psychiatric expert testimony: are the criticisms justified? (Part 1). Slovenko R. **Med Law** 1991;10(1):1–29 (94 ref.)

LEGISLATION & JURISPRUDENCE

Possible explanations for child sexual abuse allegations in divorce. Faller KC. **Am J Orthopsychiatry** 1991 Jan; 61(1):86–91 (27 ref.)
Forensic psychological examination of the child witness in cases of alleged sexual abuse. Weissman HN. **Am J Orthopsychiatry** 1991 Jan;61(1):48–58 (42 ref.)
Psychological assessment versus psychological testing. Validation from Binet to the school, clinic, and courtroom. Matarazzo JD. **Am Psychol** 1990 Sep;45(9):999–1017 (63 ref.)
Premenstrual syndrome as a criminal defense. Lewis JW. **Arch Sex Behav** 1990 Oct;19(5):425–41 (80 ref.)
The rating of psychiatric impairment in forensic practice: a review. Mendelson G. **Aust N Z J Psychiatry** 1991 Mar; 25(1):84–94 (38 ref.)
Who's afraid of forensic psychiatry? Miller RD. **Bull Am Acad Psychiatry Law** 1990;18(3):235–47 (72 ref.)
The presentation of expert testimony via live audio–visual communication. Miller RD. **Bull Am Acad Psychiatry Law** 1991;19(1):5–20 (34 ref.)
AIDS-related dementia and competency to stand trial: a potential abuse of the forensic mental health system? Perlin ML, et al. **Bull Am Acad Psychiatry Law** 1990;18(4):349–63 (91 ref.)
Development of a new classificatory model of malingering. Rogers R. **Bull Am Acad Psychiatry Law** 1990;18(3):323–33 (46 ref.)
Posttraumatic stress disorder in tort actions: forensic minefield. Sparr LF, et al. **Bull Am Acad Psychiatry Law** 1990;18(3):283–302 (77 ref.)
The dangerousness criterion for civil commitment: the problem and a possible solution. Brouillette MJ, et al. **Can J Psychiatry** 1991 May;36(4):285–9 (23 ref.)
The role of Canadian psychiatry in dangerous offender testimony. Rogers R, et al. **Can J Psychiatry** 1991 Mar; 36(2):79–84 (40 ref.)
Tardive dyskinesia: legal and preventive aspects [see comments] Shriqui CL, et al. **Can J Psychiatry** 1990 Oct; 35(7):576–80 (56 ref.) Comment in: Can J Psychiatry 1990 Oct;35(7):573–4.
Ritualism and child sexual abuse [comment] Jones DP. **Child Abuse Negl** 1991;15(3):163–70 (13 ref.) Comment on: Child Abuse Negl 1991;15(3):181–9. Comment on: Child Abuse Negl 1991;15(3):191–6.
The role of behavior therapists in child custody cases. Emery RE, et al. **Prog Behav Modif** 1990;26:60–88 (75 ref.)
Competent and incompetent criminal defendants: a quantitative review of comparative research. Nicholson RA, et al. **Psychol Bull** 1991 May;109(3):355–70 (100 ref.)
[Tasks and problems of legal experts in criminal proceedings] Geerds F. **Arch Kriminol** 1991 Jan–Feb;187(2):28–38 (0 ref.) **(Ger)**
[Criteria related to assessment of affective offenses] Rösler M. **Nervenarzt** 1991 Jan;62(1):49–54 (18 ref.) **(Ger)**
["Expected motivation" in managing illness. A difficult social medicine-forensic problem] Aschoff JC. **Versicherungsmedizin** 1991 Feb 1;43(1):5–9 (26 ref.) (Eng. Abstr.) **(Ger)**
[The "severity" of "whiplash injury of the cervical spine"] Jenzer G, et al. **Z Unfallchir Versicherungsmed** 1991; 84(1):7–19 (40 ref.) (Eng. Abstr.) **(Ger)**
[Soft tissue pain and psychiatric evaluation] Marelli R. **Z Unfallchir Versicherungsmed** 1991;84(1):34–42 (14 ref.) (Eng. Abstr.) **(Ger)**

EXPIRATORY FORCED FLOW RATES see **FORCED EXPIRATORY FLOW RATES**

EXPIRATORY PEAK FLOW RATE see **PEAK EXPIRATORY FLOW RATE**

EXPLOSIONS

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BLAST INJURIES

EXTENDED CARE FACILITIES see **SKILLED NURSING FACILITIES**

EXTERNAL DEGREE PROGRAMS, NURSING see **EDUCATION, NURSING, BACCALAUREATE**

EXTERNAL FIXATORS

Treatment of forearm fractures by Hoffman external fixation. A study of 93 patients. Schuind F, et al. **Clin Orthop** 1991 May;(266):197–204 (77 ref.)
Bridging bone gaps with the Ilizarov technique. Biologic principles. Alonso JE, et al. **Clin Plast Surg** 1991 Jul; 18(3):497–504 (29 ref.)
Management of extremity injuries with external fixator or Ilizarov devices. Cooperative effort between orthopedic and plastic surgeons. Vasconez HC, et al. **Clin Plast Surg** 1991 Jul;18(3):505–13 (32 ref.)
Bone contouring and fixation in functional, primary microvascular mandibular reconstruction. Buchbinder D, et al. **Head Neck** 1991 May–Jun;13(3):191–9 (21 ref.)
[Three-dimensional rigidity of the Ilizarov external fixator (original and modified) implanted at the femur. Experimental study and clinical deductions] Merloz P, et al. **Rev Chir Orthop** 1991;77(2):65–76 (26 ref.) (Eng. Abstr.) **(Fre)**
[Stability in post-traumatic osteitis] Burri C. **Aktuel Probl Chir Orthop** 1990;34:44–54 (30 ref.) **(Ger)**
[The biomechanics of osteosynthesis] Claes L. **Aktuel Probl Chir Orthop** 1990;34:32–8 (12 ref.) **(Ger)**
["Biological osteosynthesis"] Claudi BF, et al. **Chirurg** 1991 May;62(5):367–77 (24 ref.) **(Ger)**
[Pelvic tilt and leg length discrepancy] Grill F, et al. **Orthopade** 1990 Sep;19(5):244–62 (70 ref.) (Eng. Abstr.) **(Ger)**
[A return to callus healing using dynamic osteosynthesis procedures. Principles, indications, complications, x-ray diagnosis of interlocking nailing and dynamic monofixators in comparison with conventional bone plates] Brug E, et al. **Radiologe** 1991 Apr;31(4):165–71 (16 ref.) (Eng. Abstr.) **(Ger)**
[Management of open, potentially infected hand injuries with bone defect by delayed early bone substitution] Cziffer E, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1990; 33(4):297–302 (23 ref.) (Eng. Abstr.) **(Hun)**
[The role of an external mini-fixator in the management of infected injuries of the hand] Péley I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1990; 33(4):277–81 (22 ref.) (Eng. Abstr.) **(Hun)**

VETERINARY

Complications of external fixation. A problem-oriented approach. Egger EL. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):705–33 (38 ref.)

EXTINCTION (PSYCHOLOGY)

PHYSIOLOGY

[The brain mediator systems and the mechanisms of the formation of extinction inhibition] Shugalev NP. **Usp Fiziol Nauk** 1990 Jul–Sep;21(3):59–78 (223 ref.) **(Rus)**

EXTRACELLULAR FLUID see **EXTRACELLULAR SPACE**

EXTRACELLULAR MATRIX

CHEMISTRY

Extracellular matrix-resident growth factors and enzymes: possible involvement in tumor metastasis and angiogenesis. Vlodavsky I, et al. **Cancer Metastasis Rev** 1990 Nov; 9(3):203–26 (113 ref.)
Mechanisms for organization of fibronectin matrix. Fogerty FJ, et al. **Cell Differ Dev** 1990 Dec 2;32(3):439–50 (75 ref.)
Matrix metalloproteinases and their inhibitors in connective tissue remodeling. Woessner JF Jr. **FASEB J** 1991 May; 5(8):2145–54 (78 ref.)
Articular cartilage matrix and structure: a minireview. Kuettner KE, et al. **J Rheumatol Suppl** 1991 Feb;27:46–8 (21 ref.)

DRUG EFFECTS

Transforming growth factor-beta 1 induces extracellular matrix formation in glomerulonephritis. Border WA, et al. **Cell Differ Dev** 1990 Dec 2;32(3):425–31 (32 ref.)
Modulation of the malignant phenotype with the urokinase-type plasminogen activator and the type I plasminogen activator inhibitor. Sordat B, et al. **Cell Differ Dev** 1990 Dec 2;32(3):277–85 (18 ref.)

ENZYMOLOGY

Extracellular matrix metalloproteinases in tumor invasion and metastasis. Goldberg GI, et al. **Cancer Treat Res** 1991; 53:421–40 (119 ref.)

IMMUNOLOGY

Lymphocyte interactions with extracellular matrix. Shimizu Y, et al. **FASEB J** 1991 Jun;5(9):2292–9 (66 ref.)

METABOLISM

Glycosylation products as toxic mediators of diabetic complications. Brownlee M. **Annu Rev Med** 1991;42:159–66 (32 ref.)

Cell–matrix interactions during tumor invasion. Starkey JR. **Cancer Metastasis Rev** 1990 Sep;9(2):113–23 (120 ref.)

Interactions between type 1 plasminogen activator inhibitor, extracellular matrix and vitronectin. Seiffert D, et al. **Cell Differ Dev** 1990 Dec 2;32(3):287–92 (25 ref.)

Water transport in extracellular matrices. Comper WD, et al. **Connect Tissue Res** 1990;25(2):89–102 (25 ref.)

Extracellular matrix composition during kidney development. Klein G, et al. **Contrib Nephrol** 1990;80:17–31 (47 ref.)

The affinity of fibroblast growth factors (FGFs) for heparin; FGF–heparan sulfate interactions in cells and extracellular matrix. Klagsbrun M. **Curr Opin Cell Biol** 1990 Oct; 2(5):857–63 (24 ref.)

Extracellular proteins that modulate cell–matrix interactions. SPARC, tenascin, and thrombospondin. Sage EH, et al. **J Biol Chem** 1991 Aug 15;266(23):14831–4 (81 ref.)

Cartilage matrix glycoprotein as a possible marker of osteoarthritis. Fife RS. **J Rheumatol Suppl** 1991 Feb;27:30–1 (17 ref.)

Is the extracellular matrix an integral and dynamic component of the sodium and water homeostatic system? Lloyd IJ. **Med Hypotheses** 1990 Nov;33(3):197–9 (22 ref.)

FACIT collagens: diverse molecular bridges in extracellular matrices. Shaw LM, et al. **Trends Biochem Sci** 1991 May; 16(5):191–4 (28 ref.)

[Extracellular matrix, hepatic fibrosis and anti–fibrosis treatment] Geubel AP. **Acta Gastroenterol Belg** 1990 Mar–Apr;53(2):216–24 (25 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Entactin: structure and function. Chung AE, et al. **Am J Respir Cell Mol Biol** 1990 Oct;3(4):275–82 (71 ref.)

Macromolecular organization of the extracellular matrix of cartilage. Goetinck PF, et al. **Ann N Y Acad Sci** 1990; 599:29–38 (40 ref.)

Assembly of fibronectin into extracellular matrix. Mosher DF, et al. **Ann N Y Acad Sci** 1991;614:167–80 (61 ref.)

Platelet adhesion to extracellular matrices of cultured cells. Sixma JJ, et al. **Ann N Y Acad Sci** 1991;614:181–92 (59 ref.)

Control of growth and differentiation of vascular cells by extracellular matrix proteins. Carey DJ. **Annu Rev Physiol** 1991;53:161–77 (82 ref.)

Structure and function of extracellular matrix proteoglycans. Oldberg A, et al. **Biochem Soc Trans** 1990 Oct;18(5):789–92 (26 ref.)

Stromal regulation of epithelial function. Donjacour AA, et al. **Cancer Treat Res** 1991;53:335–64 (226 ref.)

Mammary epithelial cells, extracellular matrix, and gene expression. Streuli CH, et al. **Cancer Treat Res** 1991; 53:365–81 (22 ref.)

Role of cell–matrix contacts in cell migration and epithelial–mesenchymal transformation. Hay ED. **Cell Differ Dev** 1990 Dec 2;32(3):367–75 (40 ref.)

Syndecan and tenascin: induction during early tooth morphogenesis and possible interactions. Thesleff I, et al. **Cell Differ Dev** 1990 Dec 2;32(3):383–9 (37 ref.)

Control of capillary growth and differentiation by extracellular matrix. Use of a tensegrity (tensional integrity) mechanism for signal processing. Ingber DE. **Chest** 1991 Mar;99(3 Suppl):34S–40S (50 ref.)

The contribution of collagenous proteins to tissue–specific matrix assemblies. Gordon MK, et al. **Curr Opin Cell Biol** 1990 Oct;2(5):833–8 (15 ref.)

Structures at the plant cell surface. Roberts K. **Curr Opin Cell Biol** 1990 Oct;2(5):920–8 (17 ref.)

Cell motility and the extracellular matrix. Zetter BR, et al. **Curr Opin Cell Biol** 1990 Oct;2(5):850–6 (19 ref.)

An overview of role of matrix components. Brown DM, et al. **Diabetes Care** 1991 Feb;14(2):157–9 (24 ref.)

Molecules of the extracellular matrix: potential role of collagens and glycoproteins in intestinal adaptation. Schuppan D, et al. **Digestion** 1990;46 Suppl 2:2–11 (53 ref.)

Lung extracellular matrix: physiology and pathophysiology. Roman J, et al. **Hosp Pract [Off]** 1990 Nov 15;25(11):125–8, 131–5, 139–40 (9 ref.)

Basement membrane matrices in mouse embryogenesis, teratocarcinoma differentiation and in neuromuscular maturation. Leivo I, et al. **Int J Dev Biol** 1989 Mar; 33(1):81–9 (56 ref.)

Cell–matrix interactions in tooth development. Thesleff I, et al. **Int J Dev Biol** 1989 Mar;33(1):91–7 (48 ref.)

Effects of soluble factors and extracellular matrix components on vascular cell behavior in vitro and in vivo: models of de–endothelialization and repair. Madri JA, et al. **J Cell Biochem** 1991 Feb;45(2):123–30 (29 ref.)

Current concepts of the role of fibroblasts and extracellular matrix in wound healing and their relevance to oral implantology. Sloan P. **J Dent** 1991 Apr;19(2):107–9 (13 ref.)

Herpes gestationis—bullae from hormones that cause increased extracellular matrix (autoantibodies to epidermal basement membrane as a secondary phenomenon). Stone OJ. **Med Hypotheses** 1990 Sep;33(1):11–4 (19 ref.)

Fibronectin. Arseni C, et al. **Rom J Neurol Psychiatry** 1990 Jan–Mar;28(1):3–13 (45 ref.)

Patterning of the membrane cytoskeleton by the extracellular matrix. Otey CA, et al. **Semin Cell Biol** 1990 Oct;1(5):391–9 (97 ref.)

[The role of fibronectin and possible participation of its proteolytic fragments in the changes in cell behavior] Zlatopol'skiĭ AD. **Vestn Akad Med Nauk SSSR** 1991; (2):36–42 (58 ref.) (Eng. Abstr.) **(Rus)**

[Hematopoietic microenvironment: cellular and extracellular matrix elements] Minguell JJ, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):177–82 (35 ref.) (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Fertilization–induced changes in the vitelline envelope of echinoderm and amphibian eggs: self–assembly of an extracellular matrix. Larabell C, et al. **J Electron Microsc Tech** 1991 Mar;17(3):294–318 (112 ref.)

EXTRACELLULAR MATRIX PROTEINS

ANALYSIS

Structural and functional studies of integrin receptors in cultured human keratinocytes. Marchisio PC, et al. **Cell Differ Dev** 1990 Dec 2;32(3):355–9 (28 ref.)

Circulating extracellular matrix components as markers for connective tissue response to inflammation. A clinical and experimental study with special emphasis on serum aminoterminal type III procollagen peptide in rheumatic diseases. Hørslev–Petersen K. **Dan Med Bull** 1990 Aug; 37(4):308–29 (248 ref.)

Tenascin in normal, reactive, hyperplastic, and neoplastic tissues: biologic and pathologic implications. Koukoulis GK, et al. **Hum Pathol** 1991 Jul;22(7):636–43 (60 ref.)

Characterization of the extracellular matrix of the primate temporomandibular joint. Milam SB, et al. **J Oral Maxillofac Surg** 1991 Apr;49(4):381–91 (73 ref.)

BIOSYNTHESIS

Expression of tenascin and of the ED–B containing oncofetal fibronectin isoform in human cancer. Nicolò G, et al. **Cell Differ Dev** 1990 Dec 2;32(3):401–8 (28 ref.)

Syndecan and tenascin: induction during early tooth morphogenesis and possible interactions. Thesleff I, et al. **Cell Differ Dev** 1990 Dec 2;32(3):383–9 (37 ref.)

Stimulation of tenascin expression in mesenchyme by epithelial–mesenchymal interactions. Ekblom P, et al. **Int J Dev Biol** 1989 Mar;33(1):71–9 (68 ref.)

[Extracellular matrix, hepatic fibrosis and anti–fibrosis treatment] Geubel AP. **Acta Gastroenterol Belg** 1990 Mar–Apr;53(2):216–24 (25 ref.) (Eng. Abstr.) **(Fre)**

CHEMISTRY

Shuffled domains in extracellular proteins. Bork P. **FEBS Lett** 1991 Jul 29;286(1–2):47–54 (97 ref.)

GENETICS

The hexabrachion gene as a candidate for a tuberous sclerosis gene. Gulcher J, et al. **Ann N Y Acad Sci** 1991;615:220–7 (45 ref.)

The zona pellucida genes encode essential proteins for mammalian fertilization and early embryogenesis. Dean J. **Proc Soc Exp Biol Med** 1991 Feb;196(2):141–6 (24 ref.)

METABOLISM

The molecular basis for the assembly and modulation of adherens–type junctions. Geiger B, et al. **Cell Differ Dev** 1990 Dec 2;32(3):343–53 (33 ref.)

Interactions of bacteria with extracellular matrix proteins. Hook M, et al. **Cell Differ Dev** 1990 Dec 2;32(3):433–8 (14 ref.)

Proteolytic balance and capillary morphogenesis. Pepper MS, et al. **Cell Differ Dev** 1990 Dec 2;32(3):319–27 (30 ref.)

Plasminogen receptors in the mediation of pericellular proteolysis. Plow EF, et al. **Cell Differ Dev** 1990 Dec 2; 32(3):293–8 (34 ref.)

Growth factor control of extracellular proteolysis. Rifkin DB, et al. **Cell Differ Dev** 1990 Dec 2;32(3):313–8 (19 ref.)

Integrins in human cells and tumors. Virtanen I, et al. **Cell Differ Dev** 1990 Dec 2;32(3):215–27 (56 ref.)

PHYSIOLOGY

Tenascin in tissue perturbation repair. Sakakura T, et al. **Acta Pathol Jpn** 1991 Apr;41(4):247–58 (67 ref.)

Entactin: structure and function. Chung AE, et al. **Am J Respir Cell Mol Biol** 1990 Oct;3(4):275–82 (71 ref.)

Control of growth and differentiation of vascular cells by extracellular matrix proteins. Carey DJ. **Annu Rev Physiol** 1991;53:161–77 (82 ref.)

Molecular adhesion phenomena: ligands, receptors, protein domains and motifs. Soria M. **Boll Ist Sieroter Milan** 1989; 68(3):206–13 (64 ref.)

Tenascin in mammary gland development: from embryogenesis to carcinogenesis. Sakakura T, et al. **Cancer Treat Res** 1991;53:383–400 (53 ref.)

Actin–membrane interaction in focal adhesions. Burridge K, et al. **Cell Differ Dev** 1990 Dec 2;32(3):337–42 (35 ref.)

The role of extracellular matrix components in dentin mineralization. Boskey AL. **Crit Rev Oral Biol Med** 1991; 2(3):369–87 (166 ref.)

Extracellular matrix molecules and their receptors: an overview with special emphasis on periodontal tissues. Uitto VJ, et al. **Crit Rev Oral Biol Med** 1991;2(3):323–54 (243 ref.)

Matrix proteins of the skeleton. Seyedin SM, et al. **Curr Opin Cell Biol** 1990 Oct;2(5):914–9 (14 ref.)

Cellular activity, matrix proteins, and aging bone. Termine JD. **Exp Gerontol** 1990;25(3–4):217–21 (32 ref.)

Extracellular matrix and neuronal movement. Liesi P. **Experientia** 1990 Sep 15;46(9):900–7 (85 ref.)

Extracellular proteins that modulate cell–matrix interactions. SPARC, tenascin, and thrombospondin. Sage EH, et al. **J Biol Chem** 1991 Aug 15;266(23):14831–4 (81 ref.)

Extracellular matrix–resident basic fibroblast growth factor: implication for the control of angiogenesis. Vlodavsky I, et al. **J Cell Biochem** 1991 Feb;45(2):167–76 (43 ref.)

Adhesion molecules (N–CAM and tenascin) in embryonic development and tissue regeneration. Chuong CM. **J Craniofac Genet Dev Biol** 1990;10(2):147–61 (92 ref.)

EXTRACELLULAR SPACE

Serious soft tissue infections of the head and neck. Herr RD, et al. **Am Fam Physician** 1991 Sep;44(3):878–88 (25 ref.)

DRUG EFFECTS

Aldosterone as a factor regulating extracellular fluid volume. Crabbé J. **Acta Clin Belg** 1991;46(1):18–27 (44 ref.)

METABOLISM

Ependymin, a brain extracellular glycoprotein, and CNS plasticity. Shashoua VE. **Ann N Y Acad Sci** 1991; 627:94–114 (76 ref.)

"Calcium receptors" on eukaryotic cells with special reference to the osteoclast. Zaidi M. **Biosci Rep** 1990 Dec; 10(6):493–507 (34 ref.)

Massive increases in extracellular potassium and the indiscriminate release of glutamate following concussive brain injury. Katayama Y, et al. **J Neurosurg** 1990 Dec; 73(6):889–900 (85 ref.)

Renal control of extracellular calcium. Rouse D, et al. **Kidney Int** 1990 Oct;38(4):700–8 (126 ref.)

Extracellular Ca2+ sensing, regulation of parathyroid cell function, and role of Ca2+ and other ions as extracellular (first) messengers. Brown EM. **Physiol Rev** 1991 Apr; 71(2):371–411 (259 ref.)

Pharmacokinetics of antibiotics in tissues and tissue fluids: a review. Cars O. **Scand J Infect Dis Suppl** 1990;74:23–33 (59 ref.)

PHYSIOLOGY

Role of vascular wall renin: intracellular and extracellular mechanism. Inagami T, et al. **Blood Vessels** 1991; 28(1–3):217–23 (26 ref.)

Extracellular fluid and colloid osmotic pressure in abdominal vascular surgery. A study of volume changes. Nielsen OM. **Dan Med Bull** 1991 Feb;38(1):9–21 (192 ref.)

[The extracellular epidermal compartment of mammals] Sokolov VE, et al. **Izv Akad Nauk SSSR [Biol]** 1990 Jul–Aug;(4):542–55 (76 ref.) (Eng. Abstr.) **(Rus)**

EXTRACHROMOSOMAL INHERITANCE

Extrachromosomal DNA in human cancers [editorial] Schoenlein PV, et al. **J Natl Cancer Inst** 1990 Dec 5; 82(23):1798–800 (23 ref.)

Neurological disease and mitochondrial genes. Harding AE. **Trends Neurosci** 1991 Apr;14(4):132–8 (43 ref.)

GENETICS

[Extrachromosomal DNA in mammalian cells] Sal'nokov KV. **Tsitologiia** 1990;32(11):1061–71 (58 ref.) (Eng. Abstr.) **(Rus)**

EXTRACORPOREAL CIRCULATION

Extracorporeally induced total–body hyperthermia for disseminated cancer. Koga S, et al. **Adv Exp Med Biol** 1990; 267:177–88 (31 ref.)

[The role of toxic forms of oxygen in the development of complications during operations using extracorporeal circulation] Petukhov EB, et al. **Grud Serdechnososudistaia Khir** 1991 Jan;(1):44–6 (84 ref.) **(Rus)**

ADVERSE EFFECTS

[Extracorporeal circulation as a risk factor in heart surgery] Birnbaum D, et al. **Z Kardiol** 1990;79 Suppl 4:87–93 (14

ref.) (Eng. Abstr.) **(Ger)**
[Extracorporeal circulation and respiratory distress syndrome in adults] Abad C. **Rev Med Univ Navarra** 1989 Oct–Dec; 33(4):201–6 (13 ref.) (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

[Induction of interleukin-1 synthesis. A new criterion of biocompatibility of extracorporeal circuits] Haeffner-Cavaillon N, et al. **Presse Med** 1991 May 4; 20(17):797–801 (23 ref.) (Eng. Abstr.) **(Fre)**

METHODS

[Artificial circulation with auto-oxygenation] Lokshin LS, et al. **Anesteziol Reanimatol** 1990 Sep–Oct;(5):78–80 (26 ref.) **(Rus)**

EXTRACORPOREAL DIALYSIS see **HEMODIALYSIS**

EXTRACORPOREAL MEMBRANE OXYGENATION

see related
OXYGENATORS, MEMBRANE

Extracorporeal life support for cardiopulmonary failure. Bartlett RH. **Curr Probl Surg** 1990 Oct;27(10):621–705 (218 ref.)
Extracorporeal membrane oxygenation. Lister G. **Int J Technol Assess Health Care** 1991;7 Suppl 1:52–5 (19 ref.)
[Blood-purifying procedures in intensive medicine] Koller W, et al. **Klin Anasthesiol Intensivther** 1991;39:404–19; discussion 420–4 (23 ref.) **(Ger)**

INSTRUMENTATION

Neonatal extracorporeal membrane oxygenation: how not to assess novel technologies [see comments] Elliott SJ. **Lancet** 1991 Feb 23;337(8739):476–8 (28 ref.) Comment in: Lancet 1991 Jun 1;337(8753):1344–5.

STANDARDS

Extracorporeal membrane oxygenation. Consensus development statement. Australian Association of Paediatric Teaching Centres, in conjunction with the National Health & Medical Research Council and Royal Children's Hospital, Melbourne. **Int J Technol Assess Health Care** 1991;7(1):100–5 (0 ref.)

EXTRACORPOREAL SHOCKWAVE LITHOTRIPSY see **LITHOTRIPSY**

EXTRACRANIAL–INTRACRANIAL ARTERIAL BYPASS see **CEREBRAL REVASCULARIZATION**

EXTRACTION, OBSTETRICAL

[Prevention of HIV infections in surgical gynecology and obstetrics] Hirsch HA. **Geburtshilfe Frauenheilkd** 1990 Sep; 50(9):665–9 (30 ref.) (Eng. Abstr.) **(Ger)**

EXTRAORDINARY TREATMENT see **LIFE SUPPORT CARE**

EXTRAPYRAMIDAL DISORDERS see **BASAL GANGLIA DISEASES**

EXTRASYSTOLE

DRUG THERAPY

[Comparison of the efficacy of moricizine and disopyramide in the treatment of ventricular extrasystoles] Fauchier JP, et al. **Arch Mal Coeur Vaiss** 1991 Apr;84(4):553–60 (30 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

[Philosophy of the premature ventricular complex (an "electrocardiographic jewel"): what is it? how is it originated? what does it mean?] Moncada Moneu A. **Rev Clin Esp** 1991 Feb;188(2):88–99 (78 ref.) **(Spa)**

PREVENTION & CONTROL

[Can sudden cardiac death be prevented by anti-arrhythmia agents?] Janse MJ. **Ned Tijdschr Geneeskd** 1990 Oct 13; 134(41):1979–82 (24 ref.) **(Dut)**

EXTRAVASATION OF CONTRAST MEDIA see **EXTRAVASATION OF DIAGNOSTIC AND THERAPEUTIC MATERIALS**

EXTRAVASATION OF DIAGNOSTIC AND THERAPEUTIC MATERIALS

COMPLICATIONS

Non fatal barium intravasation during barium enema. Taylor DB, et al. **Australas Radiol** 1990 May;34(2):165–7 (12 ref.)

EXTREMITIES

Soft tissue sarcomas of the extremity and retroperitoneum: advances in management. Sondak VK, et al. **Adv Surg** 1991; 24:333–59 (55 ref.)
Resection and reconstruction for soft-tissue sarcomas of the extremity. Jaffe KA, et al. **Orthop Clin North Am** 1991 Jan;22(1):161–76 (88 ref.)

ABNORMALITIES

Duplication 3q(q21----qter) without limb anomalies. Ismail SR, et al. **Am J Med Genet** 1991 Mar 15;38(4):518–22 (14 ref.)
Five children with del (2)(q31q33) and one individual with dup (2)(q31q33) from a single family: review of brain, cardiac, and limb malformations. Ramer JC, et al. **Am J Med Genet** 1990 Nov;37(3):392–400 (23 ref.)
Imaging of the skeleton and soft tissue in children [published erratum appears in Curr Opin Radiol 1991 Feb;3(1):114] Oestreich AE. **Curr Opin Radiol** 1990 Dec;2(6):870–6 (37 ref.)
Two brothers with heart defects and limb shortening: case reports and review. Reardon W, et al. **J Med Genet** 1990 Dec;27(12):746–51 (7 ref.)
Congenital orthopedic anomalies and their impact on the family. Mason KJ. **Nurs Clin North Am** 1991 Mar; 26(1):1–16 (43 ref.)
Radiographic manifestations of anomalies of the limbs Ledesma-Medina J, et al. **Radiol Clin North Am** 1991 Mar; 29(2):383–405 (102 ref.)
Fetal limbs: normal and abnormal. Driscoll DA. **Semin Roentgenol** 1991 Jan;26(1):12–20 (48 ref.)

BLOOD SUPPLY

Thrombolytic therapy in the management of acute limb ischaemia. Earnshaw JJ. **Br J Surg** 1991 Mar;78(3):261–9 (136 ref.)
Acute nontraumatic extremity ischemia. A review. Takolander R, et al. **Eur J Surg** 1991 Apr;157(4):243–9 (90 ref.)
Diagnosis of congenital vascular malformations of the extremities: new perspectives. Rutherford RB, et al. **Int Angiol** 1990 Jul–Sep;9(3):162–7 (11 ref.)
[Venous study of the limbs with duplex Doppler and color Doppler. An iconographic review] Gigandet S, et al. **J Radiol** 1991 Jun–Jul;72(6–7):341–8 (16 ref.) **(Fre)**

EMBRYOLOGY

Retinoids, homeoboxes, and growth factors: toward molecular models for limb development. Tabin CJ. **Cell** 1991 Jul 26;66(2):199–217 (165 ref.)
Pattern formation in vertebrate limbs. Eichele G. **Curr Opin Cell Biol** 1990 Dec;2(6):975–80 (11 ref.)
Signals in limb development: STOP, GO, STAY and POSITION. Wolpert L. **J Cell Sci Suppl** 1990;13:199–208 (43 ref.)

INNERVATION

Neural mechanisms underlying corticospinal and rubrospinal control of limb movements. Cheney PD, et al. **Prog Brain Res** 1991;87:213–52 (99 ref.)

PATHOLOGY

The imaging of body asymmetry and hemihypertrophy. Levine C. **Crit Rev Diagn Imaging** 1990;31(1):1–80 (101 ref.)

PHYSIOLOGY

Cell origin and identity in limb regeneration and development. Ferretti P, et al. **GLIA** 1991;4(2):214–24 (61 ref.)
The different relationship of VO2max to muscle mitochondria in humans and quadrupedal animals. Hoppeler H. **Respir Physiol** 1990 May–Jun;80(2–3):137–45 (28 ref.)
[The role of the myoblasts and connective tissue in the regeneration of the limbs in amphibians] Hinterberger TJ, et al. **Ontogenez** 1990 Jul–Aug;21(4):341–57 (88 ref.) (Eng. Abstr.) **(Rus)**

SURGERY

The nursing role in limb salvage surgery. Piasecki PA. **Nurs Clin North Am** 1991 Mar;26(1):33–41 (16 ref.)
Extremity replantation. Sood R, et al. **Surg Clin North Am** 1991 Apr;71(2):317–29 (55 ref.)
Progress in limb and digital replantation: Part B. Berger A, et al. **World J Surg** 1990 Nov–Dec;14(6):807–18 (54 ref.)
Progress in limb and digital replantation: Part A—Introduction. Chen ZW. **World J Surg** 1990 Nov–Dec; 14(6):804–6 (9 ref.)

EXTREMITIES, ARTIFICIAL see **ARTIFICIAL LIMBS**

EXTREMITY, LOWER see **LEG**

EXTREMITY, UPPER see **ARM**

EXUDATES AND TRANSUDATES

see related
ASCITIC FLUID
PERICARDIAL EFFUSION
PLEURAL EFFUSION

CYTOLOGY

Exudative indices in airways inflammation. Persson CG. **Agents Actions Suppl** 1990;30:243–55 (26 ref.)
Effusion cytology. Ehya H. **Clin Lab Med** 1991 Jun; 11(2):443–67 (72 ref.)

PHYSIOLOGY

Plasma exudation as a first line respiratory mucosal defence. Persson CG, et al. **Clin Exp Allergy** 1991 Jan;21(1):17–24 (40 ref.)

EYE

see related
INTRAOCULAR PRESSURE
REFRACTION, OCULAR
VISION

Eye cosmetics. Draelos ZK. **Dermatol Clin** 1991 Jan;9(1):1–7 (17 ref.)
[Eye and light] Amalric P, et al. **Bull Soc Ophtalmol Fr** 1990 Nov;Spec No:1–285 (397 ref.) **(Fre)**

ANATOMY & HISTOLOGY

Optimization, constraint, and history in the evolution of eyes. Goldsmith TH. **Q Rev Biol** 1990 Sep;65(3):281–322 (157 ref.)
[Modern concepts of the structural evolution of the nervous system exemplified by the vertebrate visual system] Repérant J, et al. **Zh Evol Biokhim Fiziol** 1990 Jul–Aug; 26(4):514–36 (87 ref.) **(Rus)**

BLOOD SUPPLY

Neovascularisation: has the angiogenic factor already been found? Loughnan MS. **Aust N Z J Ophthalmol** 1991 Feb; 19(1):65–9 (27 ref.)
The ocular ischemic syndrome. Dhooge M, et al. **Bull Soc Belge Ophtalmol** 1989;231:1–13 (26 ref.)
Transient monocular blindness caused by vasospasm. Burger SK, et al. **N Engl J Med** 1991 Sep 19;325(12):870–3 (40 ref.)

DRUG EFFECTS

[The "sensory" safety of drugs: photosensitizing damage to the structures of the eye] Piruzian LA, et al. **Izv Akad Nauk SSSR [Biol]** 1991 Jan–Feb;(1):43–50 (29 ref.) (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Mechanisms of positional signalling in the developing eye of Drosophila studied by ectopic expression of sevenless and rough. Hafen E, et al. **J Cell Sci Suppl** 1990;13:157–68 (38 ref.)

GROWTH & DEVELOPMENT

Effects of selective neurotoxins on eye growth in the young chick. Ehrlich D, et al. **Ciba Found Symp** 1990;155:63–84; discussion 84–8 (23 ref.)
Avian models of experimental myopia: environmental factors in the regulation of eye growth. Hodos W. **Ciba Found Symp** 1990;155:149–56; discussion 156–9 (23 ref.)
Neural control of eye growth and experimental myopia in primates. Raviola E, et al. **Ciba Found Symp** 1990; 155:22–38; discussion 39–44 (27 ref.)
Postnatal control of ocular growth: dopaminergic mechanisms. Stone RA, et al. **Ciba Found Symp** 1990; 155:45–57; discussion 57–62 (23 ref.)
Experimental studies of emmetropization in the chick. Troilo D. **Ciba Found Symp** 1990;155:89–102; discussion 102–14 (25 ref.)
Myopia and the control of eye growth. Introduction. Wallman J. **Ciba Found Symp** 1990;155:1–4 (1 ref.)
Metamorphosis of the amphibian eye. Hoskins SG. **J Neurobiol** 1990 Oct;21(7):970–89 (122 ref.)

IMMUNOLOGY

Immunological privilege in the eye: a review. Tompsett E, et al. **Curr Eye Res** 1990 Dec;9(12):1141–5 (30 ref.)

INNERVATION

Paresis of cranial nerves III, IV, and VI: clinical manifestation and differential diagnosis. Carlow TJ. **Bull Soc Belge Ophtalmol** 1989;237:285–301 (43 ref.)
[Neurotropic influences in ophthalmology] Zelentsov SN. **Oftalmol Zh** 1990;(7):435–7 (47 ref.) **(Rus)**

METABOLISM

Systemic delivery of polypeptide drugs through ocular route. Chiou GC. **Annu Rev Pharmacol Toxicol** 1991;31:457–67 (36 ref.)
Brain, eye, kidney, and IgA. Filtration and selective immune

deposition [editorial] Peress NS, et al.
Arch Pathol Lab Med 1991 Apr;115(4):327–8 (29 ref.)
Drug disposition in the mammalian eye and brain: a comparison of mechanisms. Leinweber FJ.
Drug Metab Rev 1991;23(1–2):133–246 (616 ref.)
Growth factors in the eye. McAvoy JW, et al.
Prog Growth Factor Res 1990;2(1):29–43 (99 ref.)

MICROBIOLOGY

Pathogenesis and latency of herpes simplex virus type 1 (HSV–1): an ophthalmologist's view of the eye as a model for the study of the virus–host relationship. Gordon YJ.
Adv Exp Med Biol 1990;278:205–9 (23 ref.)

PATHOLOGY

[Principles and histologic effects of the treatment of hypertension with focused high–intensity ultrasound] Valtot F, et al. **Ophtalmologie** 1990 Mar–Apr;4(2):135–7 (7 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Perinatal ocular physiology and ROP in the experimental animal model. Flower RW. **Doc Ophthalmol** 1990 Mar; 74(3):153–62 (8 ref.)
Ergonomic aspects of the health and safety of VDT work in Japan: a review. Nishiyama K. **Ergonomics** 1990 Jun; 33(6):659–85 (105 ref.)
Ionic channels in ocular epithelia. Rae JL, et al.
Ion Channels 1988;1:283–327 (60 ref.)
Adaptive mechanisms in eye–head coordination. Berthoz A.
Rev Oculomot Res 1985;1:177–201 (0 ref.)
[Regeneration of the visual system in the rat. Essay rewarded by the Premio de la Academia Curso 1989] Vidal Sanz M. **An R Acad Nac Med (Madr)** 1990;107(1):17–49 (75 ref.) **(Spa)**

PHYSIOPATHOLOGY

Emmetropization in the primate eye. van Alphen GW.
Ciba Found Symp 1990;155:115–20; discussion 120–5 (14 ref.)
[The eye and vertigo] Höh H. **Med Monatsschr Pharm** 1990 Dec;13(12):362–71 (39 ref.) **(Ger)**
[Current trends in the hemodynamic study of the eye with glaucoma] Astakhov IuS, et al. **Oftalmol Zh** 1990;(3):179–83 (68 ref.) **(Rus)**
[Organization of the oculomotor system and its physiopathology (and part II). Vestibular optokinetic system, foveal pursuit system and vergence system] Labandeira García JL, et al. **Neurologia** 1991 Apr; 6(4):133–41 (89 ref.) **(Spa)**

RADIATION EFFECTS

Ocular hazards arising from depletion of the natural atmospheric ozone layer: a review. Charman WN.
Ophthalmic Physiol Opt 1990 Oct;10(4):333–41 (50 ref.)
Recent studies on photodamage to the eye with special reference to clinical phototherapeutic procedures. Andley UP, et al. **Photodermatol Photoimmunol Photomed** 1990 Jun; 7(3):98–105 (64 ref.)
[Light–induced damage to the eye] Zrenner E.
Fortschr Ophthalmol 1990;87 Suppl:S41–51 (63 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Contact neodymium:YAG laser. Experimental studies and oculoplastic applications. Dickson JB, et al.
Ophthal Plast Reconstr Surg 1989;5(1):17–26 (13 ref.)
[Excimer lasers in ophthalmology. Review] Hycl J.
Cesk Oftalmol 1990 Nov;46(6):453–62 (42 ref.) **(Cze)**

EYE ABNORMALITIES

Congenital craniofacial anomalies of ophthalmic importance. Fries PD, et al. **Surv Ophthalmol** 1990 Sep–Oct; 35(2):87–119 (154 ref.)

GENETICS

Congenital myopathy with oculo–facial abnormalities (Marden–Walker syndrome). Linder N, et al.
Am J Med Genet 1991 Jun 15;39(4):377–9 (11 ref.)

PATHOLOGY

The branchio–oculo–facial syndrome. Lin AE, et al.
Cleft Palate Craniofac J 1991 Jan;28(1):96–102 (9 ref.)
Ocular teratology. Strömland K, et al. **Surv Ophthalmol** 1991 May–Jun;35(6):429–46 (172 ref.)

EYE, ARTIFICIAL

Abnormalities of the palpebral aperture. Bosniak SL.
Adv Ophthalmic Plast Reconstr Surg 1990;8:243–58 (1 ref.)
Plastic artificial eyes: overview and technique. Cerullo L.
Adv Ophthalmic Plast Reconstr Surg 1990;8:25–45 (0 ref.)
Fitting a prosthesis over phthisis bulbi or discolored blind eyes. Cote RE, et al.
Adv Ophthalmic Plast Reconstr Surg 1990;8:136–45 (7 ref.)
The team approach to the anophthalmic patient. Custer P, et al. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:55–7 (0 ref.)
Mobility implants: a review. Danz W Sr.
Adv Ophthalmic Plast Reconstr Surg 1990;8:46–52 (28 ref.)
Prosthesis fitting following autogenous dermis–fat orbital implantation: an ocularist's view. Gougelmann HP.
Adv Ophthalmic Plast Reconstr Surg 1990;8:182–3 (0 ref.)
Fitting the anophthalmic socket: achieving cosmesis with comfort. Johnson WJ.
Adv Ophthalmic Plast Reconstr Surg 1990;8:126–35 (8 ref.)
Empirical impression technique for artificial eye fitting. LeGrand JA Jr, et al.
Adv Ophthalmic Plast Reconstr Surg 1990;8:118–25 (2 ref.)
The role of the ocularist. McFall JD.
Adv Ophthalmic Plast Reconstr Surg 1990;8:53–4 (0 ref.)
Care of the ocular prosthesis. Trawnik WR.
Adv Ophthalmic Plast Reconstr Surg 1990;8:146–8 (0 ref.)
Orbital anatomy for rehabilitation: the ocularist's point of view. Willis J, et al.
Adv Ophthalmic Plast Reconstr Surg 1990;8:58–68 (8 ref.)
Prosthetic reduction of upper eyelid ptosis. Workman CL.
Adv Ophthalmic Plast Reconstr Surg 1990;8:184–91 (7 ref.)
A new orbital implant to increase prosthetic motility following enucleation. Flanagan JC.
Trans Pa Acad Ophthalmol Otolaryngol 1990;42:974–6 (0 ref.)

HISTORY

Ancient and contemporary history of artificial eyes. Danz W Sr. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:1–10 (15 ref.)

EYE BURNS

ETIOLOGY

[Light–induced damage to the eye] Zrenner E.
Fortschr Ophthalmol 1990;87 Suppl:S41–51 (63 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Chemical burns of the eye with special reference to alkali burns. Rozenbaum D, et al. **Burns** 1991 Apr;17(2):136–40 (12 ref.)

EYE DISEASES

Ocular sarcoidosis. Mayers M. **Int Ophthalmol Clin** 1990 Fall; 30(4):257–63 (37 ref.)
[Ocular lesions of interest to an internist] Borgia MC, et al. **G Clin Med** 1990 Nov;71(11):651–2, 655–66 (41 ref.) **(Ita)**
[Allergic diseases of the eyes in children and adults (review of the literature)] Kovalevskiĭ EI, et al. **Vestn Oftalmol** 1990 Sep–Oct;106(5):68–76 (220 ref.) **(Rus)**

CHEMICALLY INDUCED

Medical defense against blistering chemical warfare agents. Smith WJ, et al. **Arch Dermatol** 1991 Aug;127(8):1207–13 (60 ref.)
[Synthetic antimalarials and skin] Ribrioux A.
Ann Dermatol Venereol 1990;117(12):975–90 (80 ref.) **(Fre)**

COMPLICATIONS

Cardiac, ocular, and renal manifestations of seronegative spondyloarthropathies. Youssef W, et al.
Curr Opin Rheumatol 1990 Aug;2(4):582–5 (5 ref.)
Ophthalmologic aspects of headache. Tomsak RL.
Med Clin North Am 1991 May;75(3):693–706 (90 ref.)
[AIDS and the eye] Lund OE, et al.
Fortschr Ophthalmol 1990;87 Suppl:S94–100 (35 ref.) (Eng. Abstr.) **(Ger)**
[A case of systemic lupus erythematosus complicated with multifocal posterior pigment epitheliopathy] Kawaguchi Y, et al. **Ryumachi** 1990 Oct;30(5):396–400, 402; discussion 400–2 (12 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Systemic inflammatory disease and the eye. Stanford M, et al. **Br J Hosp Med** 1990 Aug;44(2):100–5 (9 ref.)
Clinical diagnosis of disordered eye movements. Halmagyi GM. **Bull Soc Belge Ophtalmol** 1989;237:503–41 (109 ref.)
Assessing acquired ocular diseases. Boyd–Monk H.
Nurs Clin North Am 1990 Dec;25(4):811–22 (3 ref.)
[Ocular sarcoidosis] Berthe–Bonnet S, et al.
Bull Soc Belge Ophtalmol 1989;230:73–83 (17 ref.) (Eng. Abstr.) **(Fre)**
[Infrared angiography of the eye (review of the literature)] Podgornaia NN, et al. **Vestn Oftalmol** 1991 Jan–Feb; 107(1):69–75 (60 ref.) **(Rus)**

DRUG THERAPY

Immunosuppressive drugs in immune and inflammatory ocular disease [published erratum appears in Surv Ophthalmol 1991 May–Jun;35(6):475] Hemady R, et al.
Surv Ophthalmol 1991 Mar–Apr;35(5):369–85 (227 ref.)
[Type IV allergy to components of ophthalmologic drugs] Riedl B, et al. **Klin Monatsbl Augenheilkd** 1991 Apr; 198(4):251–4 (40 ref.) (Eng. Abstr.) **(Ger)**
[The use of magnetic fields in ophthalmology] Skrinnik AV, et al. **Oftalmol Zh** 1990;(8):492–6 (75 ref.) **(Rus)**

ETIOLOGY

An eye on systemic disease. O'Day J.
Aust Fam Physician 1991 Feb;20(2):165–6, 169–70 (3 ref.)
Graves' ophthalmopathy—a clinical review. Carter JN.
Aust N Z J Ophthalmol 1990 Aug;18(3):239–42 (30 ref.)
The continuing challenge of ocular leprosy. Ffytche TJ.
Br J Ophthalmol 1991 Feb;75(2):123–4 (13 ref.)
Ocular problems in older Americans with diabetes. Klein BE, et al. **Clin Geriatr Med** 1990 Nov;6(4):827–37 (25 ref.)
Ergonomic aspects of the health and safety of VDT work in Japan: a review. Nishiyama K. **Ergonomics** 1990 Jun; 33(6):659–85 (105 ref.)
Ophthalmologic manifestations of carotid occlusive disease. Dugan JD Jr, et al. **Eye** 1991;5 (Pt 2):226–38 (77 ref.)
Ophthalmologic complications in hemoglobinopathies. To KW, et al. **Hematol Oncol Clin North Am** 1991 Jun; 5(3):535–48 (68 ref.)
The contact lens patient and ocular allergies. Donshik PC, et al. **Int Ophthalmol Clin** 1991 Spring;31(2):133–45 (31 ref.)
The Weill–Marchesani syndrome: report of two cases and a review. Haik GM Sr, et al. **J La State Med Soc** 1990 Dec;142(12):25–8, 30–2 (24 ref.)
Renal and ocular manifestations of hypertensive diseases of pregnancy. Seidman DS, et al. **Obstet Gynecol Surv** 1991 Feb;46(2):71–6 (57 ref.)
Ophthalmic manifestations of systemic cancer. Tang RA, et al. **Oncology (Williston Park)** 1991 Jan;5(1):59–66; discussion 66, 71 (37 ref.)
Sick building syndrome. Lyles WB, et al. **South Med J** 1991 Jan;84(1):65–71, 76 (41 ref.)
Ocular disease associated with Epstein–Barr virus infection. Matoba AY. **Surv Ophthalmol** 1990 Sep–Oct;35(2):145–50 (59 ref.)
Lyme disease: neurologic and ophthalmic manifestations. Winterkorn JM. **Surv Ophthalmol** 1990 Nov–Dec; 35(3):191–204 (81 ref.)
[Eye and light] Amalric P, et al. **Bull Soc Ophtalmol Fr** 1990 Nov;Spec No:1–285 (397 ref.) **(Fre)**
[Ophthalmologic manifestations of AIDS in an African milieu. Report of 45 cases] Kawe LW, et al.
J Fr Ophtalmol 1990;13(4):199–204 (19 ref.) (Eng. Abstr.) **(Fre)**
[The eye and pregnancy] Vitale Brovarone F, et al.
Minerva Ginecol 1991 Apr;43(4):141–67 (186 ref.) (Eng. Abstr.) **(Ita)**
[Syphilitic lesions of the organ of vision (review)] Mozherenkov VP, et al. **Vestn Oftalmol** 1990 Jul–Aug; 106(4):77–9 (31 ref.) (Eng. Abstr.) **(Rus)**
[Occupational injuries of the eye caused by optical irradiation] Hrnjak M. **Srp Arh Celok Lek** 1990 Jan–Feb; 118(1–2):51–6 (20 ref.) (Eng. Abstr.) **(Scc)**

IMMUNOLOGY

Current concepts in ocular allergy. Friedlaender MH.
Ann Allergy 1991 Jul;67(1):5–10, 13 (59 ref.)
[Immunity in ophthalmology] Dumitrache M, et al.
Oftalmologia 1990 Jan–Mar;34(1):1–8 (0 ref.) (Eng. Abstr.) **(Rum)**

METABOLISM

Free radicals and antioxidants in the pathogenesis of eye diseases. Marak GE, et al. **Adv Exp Med Biol** 1990; 264:513–27 (148 ref.)
[Bioavailability of drugs applied to the eye externally] Sieradzki E. **Klin Oczna** 1991 Jan;93(1):34–6 (8 ref.) (Eng. Abstr.) **(Pol)**

MICROBIOLOGY

Neuro–ophthalmic manifestations of human immunodeficiency virus infection. Friedman DI.
Neurol Clin 1991 Feb;9(1):55–72 (92 ref.)

PATHOLOGY

[Pseudoretinoblastoma. Differential diagnosis of retinoblastoma] Hamburg A. **Klin Monatsbl Augenheilkd** 1990 Nov;197(5):362–8 (20 ref.) (Eng. Abstr.) **(Ger)**
[Ocular manifestations in systemic amyloidosis] Inomata H. **Nippon Rinsho** 1991 Apr;49(4):896–902 (18 ref.) **(Jpn)**
[Localized amyloidosis in the ophthalmic area] Kurimoto S, et al. **Nippon Rinsho** 1991 Apr;49(4):935–8 (20 ref.) **(Jpn)**

PHYSIOPATHOLOGY

The eye and the hand: a clinical review. Roberts TV, et al. **Aust N Z J Ophthalmol** 1990 Aug;18(3):287–98 (55 ref.)
[Visual evoked potentials in ophthalmologic practice] Simha N. **J Fr Ophtalmol** 1990;13(4):207–17 (98 ref.) **(Fre)**
[Proliferative vitreoretinopathy: new discoveries in pathophysiology and therapy] Wiedemann P, et al.
Klin Monatsbl Augenheilkd 1990 Nov;197(5):355–61 (46 ref.) (Eng. Abstr.) **(Ger)**
[Causes of disturbance in the stability of lacrimal film] Prost M. **Klin Oczna** 1990 Sep;92(5–6):114–6 (11 ref.) (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

[The place of HR–CT in the diagnosis of calcifying and ossifying disease processes of the eye and the orbit] Gülden JW, et al. **Rontgenpraxis** 1991 Jul;44(7):200–8 (41 ref.) **(Ger)**

RADIONUCLIDE IMAGING

Role of radiation therapy in the treatment of benign ocular diseases. Racheline, et al. **Indian J Ophthalmol** 1991 Jan–Mar;39(1):2–5 (41 ref.)

SURGERY

Fitting a prosthesis over phthisis bulbi or discolored blind eyes. Cote RE, et al.
Adv Ophthalmic Plast Reconstr Surg 1990;8:136–45 (7 ref.)
Ophthalmic management of seventh nerve palsy. Collin JR, et al. **Aust N Z J Ophthalmol** 1990 Aug;18(3):267–72 (11 ref.)
[Anesthesia in pediatric ophthalmology] Meisel-Loose M. **Cah Anesthesiol** 1990 Oct;38(4):249–55 (45 ref.) **(Fre)**
[Perioperative prevention in ophthalmologic microsurgery] Draeger J, et al. **Fortschr Ophthalmol** 1990;87 Suppl:S101–9 (31 ref.) (Eng. Abstr.) **(Ger)**
[Vitreous surgery for intraocular proliferative disorders] Tano Y. **Nippon Ganka Gakkai Zasshi** 1991 May; 95(5):405–20 (85 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Thyroid eye disease—medical or surgical therapy? Khalid BA, et al. **Ann Acad Med Singapore** 1991 Mar;20(2):273–6 (40 ref.)
Pitfalls in eye management. Reich JA.
Aust Fam Physician 1991 Feb;20(2):109–10 (0 ref.)
Management of dysthyroid eye disease. Fells P.
Br J Ophthalmol 1991 Apr;75(4):245–6 (10 ref.)
Therapeutic contact lenses. Plotnik RD, et al.
Int Ophthalmol Clin 1991 Spring;31(2):35–52 (61 ref.)
[Neurotropic influences in ophthalmology] Zelentsov SN. **Oftalmol Zh** 1990;(7):435–7 (47 ref.) **(Rus)**
[Use of botulinum toxin in ophthalmology (literature review)] Indeikin EN. **Vestn Oftalmol** 1991 Mar–Apr;107(2):66–70 (26 ref.) **(Rus)**

EYE ENUCLEATION

Subperiosteal volume augmentation of the anophthalmic socket with RTV silastic. Conn H, et al.
Adv Ophthalmic Plast Reconstr Surg 1990;8:220–8 (25 ref.)
The team approach to the anophthalmic patient. Custer P, et al. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:55–7 (0 ref.)
Correcting superior sulcus deformities. Laiseca A, et al.
Adv Ophthalmic Plast Reconstr Surg 1990;8:229–42 (6 ref.)
Correction of superior sulcus defects after enucleation. Leone CR Jr. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:209–13 (3 ref.)
Use of autogenous materials in reconstructing the anophthalmic socket. Petrelli RL.
Adv Ophthalmic Plast Reconstr Surg 1990;8:153–69 (24 ref.)
Surgical psycho-ophthalmology and contracted sockets. Tadros MA. **Adv Ophthalmic Plast Reconstr Surg** 1990; 8:274–9 (12 ref.)
Reconstruction of the anophthalmic socket: lower eyelid malposition and canthal tendon laxity. Weiss RA, et al.
Adv Ophthalmic Plast Reconstr Surg 1990;8:192–208 (5 ref.)
Orbital anatomy for rehabilitation: the ocularist's point of view. Willis J, et al.
Adv Ophthalmic Plast Reconstr Surg 1990;8:58–68 (8 ref.)
A new orbital implant to increase prosthetic motility following enucleation. Flanagan JC.
Trans Pa Acad Ophthalmol Otolaryngol 1990;42:974–6 (0 ref.)

ADVERSE EFFECTS

Enucleation and psychic trauma. Lubkin V, et al.
Adv Ophthalmic Plast Reconstr Surg 1990;8:259–62 (8 ref.)
Diagnosis and treatment of complications of enucleation and orbital implant surgery. Oberfeld S, et al.
Adv Ophthalmic Plast Reconstr Surg 1990;8:107–17 (13 ref.)
Psychological recuperation of the patient. Tillman WT.
Adv Ophthalmic Plast Reconstr Surg 1990;8:263–73 (5 ref.)

METHODS

Modified enucleation. La Piana FG.
Adv Ophthalmic Plast Reconstr Surg 1990;8:73–4 (7 ref.)
Update on enucleation and evisceration surgery. Walter WL.
Ophthal Plast Reconstr Surg 1985;1(4):243–52 (7 ref.)

REHABILITATION

[Repair of enlarged orbital exenteration cavities] Gola R, et al. **Rev Stomatol Chir Maxillofac** 1991;92(1):8–13 (12 ref.) (Eng. Abstr.) **(Fre)**

EYE FOREIGN BODIES

THERAPY

Eye trauma in children. Hiatt RL. **South Med J** 1991 Jun; 84(6):747–50 (11 ref.)

EYE INFECTIONS

Intraocular infections: current therapeutic approach. Hibberd PL, et al. **Curr Clin Top Infect Dis** 1991;11:118–69 (371 ref.)
Eye infections. Behrendt T. **Prim Care** 1990 Dec;17(4):775–91 (0 ref.)

COMPLICATIONS

Peripheral uveitis: an infectious etiology? Sanders RJ, et al. **Int Ophthalmol Clin** 1990 Fall;30(4):318–21 (40 ref.)
[AIDS and the eye] Lund OE, et al.
Fortschr Ophthalmol 1990;87 Suppl:S94–100 (35 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Ocular infections—diagnosis. Hirst LW.
Aust Fam Physician 1991 Feb;20(2):133–4, 137–45, 149 (6 ref.)
Ocular and periocular infections. Hirst LW.
Aust Fam Physician 1991 Jul;20(7):979–82, 986–8 (3 ref.)

DRUG THERAPY

Use of corticosteroids in combination with antimicrobial drugs in the treatment of infectious corneal disease [see comments] Stern GA, et al. **Ophthalmology** 1991 Jun; 98(6):847–53 (38 ref.) Comment in: Ophthalmology 1991 Jun;98(6):845–6.

MICROBIOLOGY

[Ocular infections in drug addiction: the microbiological characteristics and diagnostic difficulties] Moreno Montañes J, et al. **An Med Interna** 1990 Aug;7(8):428–31 (26 ref.) **(Spa)**

PREVENTION & CONTROL

[Perioperative prevention in ophthalmologic microsurgery] Draeger J, et al. **Fortschr Ophthalmol** 1990;87 Suppl:S101–9 (31 ref.) (Eng. Abstr.) **(Ger)**

VETERINARY

Chloramphenicol 4. Responsible topical use in ophthalmology. Blogg JR. **Aust Vet J** 1991 Jan;68(1):8–9 (19 ref.)

EYE INFECTIONS, BACTERIAL

[Chlamydial lesions of the eyes (review of the literature)] Mozherenkov VP, et al. **Vestn Oftalmol** 1990 Nov–Dec; 106(6):77–9 (32 ref.) **(Rus)**

DRUG THERAPY

[Diagnosis and therapy of acute bacterial infections of the eye] Bialasiewicz AA. **Fortschr Ophthalmol** 1990;87 Suppl:S82–93 (202 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Antibodies in human tears during and after infection. Friedman MG. **Surv Ophthalmol** 1990 Sep–Oct;35(2):151–7 (63 ref.)

MICROBIOLOGY

Infectious crystalline keratopathy. Role of nutritionally variant streptococci and other bacterial factors. Ormerod LD, et al. **Ophthalmology** 1991 Feb;98(2):159–69 (59 ref.)

EYE INFECTIONS, FUNGAL

MICROBIOLOGY

Endophthalmitis caused by non-albicans species of Candida. Joshi N, et al. **Rev Infect Dis** 1991 Mar–Apr;13(2):281–7 (61 ref.)

EYE INFECTIONS, PARASITIC

DIAGNOSIS

[Ocular cysticercosis, typical forms and treatment] Berche M, et al. **Ophtalmologie** 1990 Jul–Aug;4(4):377–9 (22 ref.) (Eng. Abstr.) **(Fre)**

PARASITOLOGY

[Toxocara canis in apparently bilateral ocular site] el Matri L, et al. **J Fr Ophtalmol** 1990;13(5):303–8 (17 ref.) (Eng. Abstr.) **(Fre)**

EYE INFECTIONS, VIRAL

DRUG THERAPY

Foscarnet sodium. Minor JR, et al. **DICP** 1991 Jan;25(1):41–7 (59 ref.)

IMMUNOLOGY

Antibodies in human tears during and after infection. Friedman MG. **Surv Ophthalmol** 1990 Sep–Oct;35(2):151–7 (63 ref.)

MICROBIOLOGY

Herpes simplex virus ocular infections: current concepts of acute, latent and reactivated disease. Pavan-Langston D. **Trans Am Ophthalmol Soc** 1990;88:727–96 (164 ref.)

EYE INJURIES

Management of patients with facial trauma and associated ocular/orbital injuries. Weisman RA, et al.
Otolaryngol Clin North Am 1991 Feb;24(1):37–57 (30 ref.)

COMPLICATIONS

[A case of post-traumatic occlusion of the central retinal artery] Bonnet S, et al. **Bull Soc Ophtalmol Fr** 1990 May; 90(5):537–42 (28 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Review: mediation of the ocular response to injury. Unger WG. **J Ocul Pharmacol** 1990 Winter;6(4):337–53 (172 ref.)
[Causes of disturbance in the stability of lacrimal film] Prost M. **Klin Oczna** 1990 Sep;92(5–6):114–6 (11 ref.) (Eng. Abstr.) **(Pol)**

PREVENTION & CONTROL

Prevention of sports-related eye injury. Stock JG, et al.
Am Fam Physician 1991 Aug;44(2):515–20 (18 ref.)

THERAPY

Eye injuries. Shingleton BJ. **N Engl J Med** 1991 Aug 8; 325(6):408–13 (44 ref.)
Eye trauma in children. Hiatt RL. **South Med J** 1991 Jun; 84(6):747–50 (11 ref.)

EYE MOTILITY DISORDERS see **OCULAR MOTILITY DISORDERS**

EYE MOVEMENTS

see related
ELECTROOCULOGRAPHY
NYSTAGMUS
SLEEP, REM

Disorders of ocular motility [see comments] Larkin G, et al. **Br J Hosp Med** 1990 Oct;44(4):271–5 (30 ref.) Comment in: Br J Hosp Med 1991 Mar;45(3):139.
Identification of the Purkinje cell/climbing fiber zone and its target neurons responsible for eye-movement control by the cerebellar flocculus. Sato Y, et al.
Brain Res Brain Res Rev 1991 Jan–Apr;16(1):39–64 (164 ref.)
Neuroanatomy of the oculomotor system. The nucleus prepositus. McCrea RA. **Rev Oculomot Res** 1988;2:203–23 (93 ref.)

PHYSIOLOGY

Clinical diagnosis of disordered eye movements. Halmagyi GM. **Bull Soc Belge Ophtalmol** 1989;237:503–41 (109 ref.)
Oculography and techniques for eye movement recording. Lueck CJ, et al. **Bull Soc Belge Ophtalmol** 1989;237:485–502 (79 ref.)
Eye movements during sleep. Neetens A, et al.
Bull Soc Belge Ophtalmol 1989;237:227–44 (67 ref.)
Motor and premotor structures involved in eye movements. Pierrot-Deseilligny C. **Bull Soc Belge Ophtalmol** 1989; 237:259–83 (114 ref.)
Eye movements in loss of consciousness (stupor, coma). Troost BT, et al. **Bull Soc Belge Ophtalmol** 1989;237:209–26 (84 ref.)
Adaptation and the ocular motor system. Zee DS.
Bull Soc Belge Ophtalmol 1989;237:191–207 (33 ref.)
Comparative aspects of horizontal ocular reflexes and their cerebellar adaptive control in vertebrates. Ito M, et al.
Comp Biochem Physiol [C] 1991;98(1):221–8 (87 ref.)
Head movements of visually impaired children. Jan JE.
Dev Med Child Neurol 1991 Jul;33(7):645–7 (16 ref.)
The interstitial nucleus of Cajal in the midbrain reticular formation and vertical eye movement. Fukushima K.
Neurosci Res 1991 Apr;10(3):159–87 (125 ref.)
Role of the forebrain in oculomotor function. Hikosaka O.
Prog Brain Res 1991;87:101–7 (23 ref.)
Cerebellum. Blanks RH. **Rev Oculomot Res** 1988;2:225–72 (504 ref.)
Present concepts of oculomotor organization. Büttner U, et al. **Rev Oculomot Res** 1988;2:3–32 (265 ref.)
Integration of adaptive changes of the optokinetic reflex, pursuit and the vestibulo-ocular reflex. Collewijn H.
Rev Oculomot Res 1985;1:51–69 (0 ref.)
Effects of visual deprivation on properties and modifiability of compensatory eye movement systems. Cynader M.
Rev Oculomot Res 1985;1:95–109 (0 ref.)
Gaze control through superior colliculus: structure and function. Grantyn R. **Rev Oculomot Res** 1988;2:273–333 (631 ref.)
Higher centers concerned with eye movement and visual attention: cerebral cortex and thalamus. Leichnetz GR, et al. **Rev Oculomot Res** 1988;2:365–429 (342 ref.)
Velocity storage and the ocular response to multidimensional vestibular stimuli. Raphan T, et al. **Rev Oculomot Res** 1985; 1:123–43 (0 ref.)
The selection of reference frames by nature and its investigators. Simpson JI, et al. **Rev Oculomot Res** 1985; 1:3–16 (0 ref.)
Adaptation to modified otolith input. Young LR.
Rev Oculomot Res 1985;1:155–62 (0 ref.)
Brain stem mechanism in ocular motor function. Marx P.

Tohoku J Exp Med 1990 Aug;161 Suppl:167–82 (23 ref.)
[Organization of the oculomotor system and its physiopathology (and part II). Vestibular optokinetic system, foveal pursuit system and vergence system] Labandeira García JL, et al. **Neurologia** 1991 Apr; 6(4):133–41 (89 ref.) **(Spa)**
[Eye movements during normal reading and in dyslexia—review of the literature] Ygge J. **Lakartidningen** 1990 Oct 3;87(40):3183–7 (41 ref.) **(Swe)**

EYE NEOPLASMS

Vascular tumors and malformations of the ocular fundus. De Laey JJ, et al. **Bull Soc Belge Ophtalmol** 1990;225 Pt 1:1–241 (930 ref.)
[Intraocular, orbital and ocular adnexal lymphoid neoplasms] Bairey O, et al. **Harefuah** 1991 Apr 1;120(7):408–10 (30 ref.) **(Heb)**

CONGENITAL

Congenital malignant melanoma of the eye. Broadway D, et al. **Cancer** 1991 May 15;67(10):2642–52 (50 ref.)

DIAGNOSIS

Clinical presentation, treatment, and outcome of trilateral retinoblastoma. Holladay DA, et al. **Cancer** 1991 Feb 1; 67(3):710–5 (30 ref.)
Malignant tumors of the eye in geriatric patients. Shields JA, et al. **Geriatrics** 1991 Sep;46(9):28–39 (2 ref.)
Points that merit consideration in the diagnosis of retinoblastoma. Mao WS, et al. **Yen Ko Hsueh Pao** 1989 Jun;5(1–2):3–6 (14 ref.)
[Diagnosis of a predisposition of retinoblastoma at the DNA level] Murakami Y. **Gan To Kagaku Ryoho** 1991 Jan; 18(1):44–50 (17 ref.) (Eng. Abstr.) **(Jpn)**
[Retinoblastoma: review of 19 cases] Martínez y Arroyo MM, et al. **An Esp Pediatr** 1991 Feb;34(2):107–10 (22 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Chemotherapy in retinoblastoma: current status and future directions. White L. **Am J Pediatr Hematol Oncol** 1991 Summer;13(2):189–201 (111 ref.)
Photodynamic therapy for ocular tumors. Lingua RW. **J Photochem Photobiol B** 1991 Apr;9(1):119–22 (13 ref.)

EPIDEMIOLOGY

[A numerical overview of various forms of retinoblastoma] Zeller GX, et al. **Klin Monatsbl Augenheilkd** 1991 Feb; 198(2):81–2 (14 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

The retinoblastoma gene: its role in human malignancies. Benedict WF, et al. **Cancer Invest** 1990;8(5):535–40 (35 ref.)
The molecular genetics of retinoblastoma. Goodrich DW, et al. **Cancer Surv** 1990;9(3):529–54 (108 ref.)
Rate-limiting steps: the genetics of pediatric cancers. Haber DA, et al. **Cell** 1991 Jan 11;64(1):5–8 (20 ref.)
Molecular biology of the human retinoblastoma gene. Lee WH, et al. **Immunol Ser** 1990;51:169–200 (92 ref.)
[Clinico-genetic problems in retinoblastoma. Retinoblastoma and heredity (review)] Gerinec A. **Cesk Oftalmol** 1990 Sep; 46(5):321–30 (46 ref.) **(Slo)**

IMMUNOLOGY

The immunopathology of intraocular tumour rejection. Niederkorn JY. **Eye** 1991;5 (Pt 2):186–92 (20 ref.)

NURSING

Retinoblastoma. Servodidio CA, et al. **Cancer Nurs** 1991 Jun; 14(3):117–23 (19 ref.)

PATHOLOGY

Mucoepidermoid carcinoma of the lacrimal gland. Case report and review of the literature. Sofinski SJ, et al. **Ophthal Plast Reconstr Surg** 1986;2(3):147–51 (19 ref.)
[Dermoid of the cornea. Report of 2 cases of Ida Mann's 2nd type] Ndiaye PA, et al. **J Fr Ophtalmol** 1990; 13(6–7):355–9 (17 ref.) (Eng. Abstr.) **(Fre)**
[Pseudoretinoblastoma. Differential diagnosis of retinoblastoma] Hamburg A. **Klin Monatsbl Augenheilkd** 1990 Nov;197(5):362–8 (20 ref.) (Eng. Abstr.) **(Ger)**

SECONDARY

Ophthalmic manifestations of systemic cancer. Tang RA, et al. **Oncology (Williston Park)** 1991 Jan;5(1):59–66; discussion 66, 71 (37 ref.)

SURGERY

Treatment of retinoblastoma with photocoagulation. Shields JA, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1990; 42:951–4 (11 ref.)
Treatment of retinoblastoma with cryotherapy. Shields JA, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1990; 42:977–80 (11 ref.)
[Retinoblastoma: multidisciplinary treatment in a group of 32 patients] Tasso Cereceda MJ, et al. **An Esp Pediatr** 1990 Oct;33(4):343–8 (40 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Neuroblastoma, retinoblastoma, and brain tumors in children. Brodeur GM, et al. **Curr Opin Oncol** 1991 Jun;3(3):485–96 (74 ref.)

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the salivary and lacrimal glands. Elwell MR, et al. **IARC Sci Publ** 1990;(99):89–107 (31 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the Harderian gland. Elwell MR, et al. **IARC Sci Publ** 1990;(99):79–87 (19 ref.)

EYE PROTEINS

GENETICS

Tandem sequence repeats in transmembrane channel proteins. Wistow GJ, et al. **Trends Biochem Sci** 1991 May;16(5):170–1 (10 ref.)

IMMUNOLOGY

The dissection of experimental autoimmune uveoretinitis [news] Ohno S, et al. **Immunol Today** 1990 Aug;11(8):268–9 (0 ref.)
S-antigen: molecular mimicry may play a role in autoimmune uveitis. Shinohara T, et al. **Prog Clin Biol Res** 1991; 362:163–90 (67 ref.)

METABOLISM

Incomplete proteolysis may contribute to lipofuscin accumulation in the retinal pigment epithelium. Katz ML. **Adv Exp Med Biol** 1989;266:109–16; discussion 116–8 (30 ref.)
New insights into cGMP action. Corbin JD, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:411–8 (24 ref.)

EYEDROPS see **OPHTHALMIC SOLUTIONS**

EYEGLASSES

A review of the use of Irlen (tinted) lenses. Cotton MM, et al. **Aust N Z J Ophthalmol** 1990 Aug;18(3):307–12 (26 ref.)
Irlen lenses: a critical appraisal. Solan HA, et al. **J Am Optom Assoc** 1990 Oct;61(10):789–96 (26 ref.)
A gradient-index ophthalmic lens based on Wood's convex pseudo-lens. Fowler CW, et al. **Ophthalmic Physiol Opt** 1990 Jul;10(3):262–70 (26 ref.)

EYELID CONDITIONING see **CONDITIONING, EYELID**

EYELID DISEASES

ETIOLOGY

Hepatic cirrhosis as a doubtful cause of eyelid retraction [letter] Bartley GB, et al. **Am J Ophthalmol** 1991 Jan 15; 111(1):109–10 (3 ref.)
Eyelid necrosis and periorbital necrotizing fasciitis. Report of a case and review of the literature. Kronish JW, et al. **Ophthalmology** 1991 Jan;98(1):92–8 (39 ref.)

PATHOLOGY

[The aging eyelid] Gola R, et al. **Rev Stomatol Chir Maxillofac** 1991;92(4):247–58 (21 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Advances in eyelid malpositions. Nowinski T, et al. **Ophthal Plast Reconstr Surg** 1985;1(2):145–8 (26 ref.)
Clinical surgical anatomy of the upper eyelid. Nowinski TS. **Trans Pa Acad Ophthalmol Otolaryngol** 1990;42:959–63 (3 ref.)

EYELID NEOPLASMS

Sebaceous and meibomian carcinomas of the eyelid. Recognition, diagnosis, and management. Khan JA, et al. **Ophthal Plast Reconstr Surg** 1991;7(1):61–6 (47 ref.)
The Merkel cell and associated neoplasms in the eyelids and periocular region. Kivelä T, et al. **Surv Ophthalmol** 1990 Nov–Dec;35(3):171–87 (143 ref.)

DIAGNOSIS

Sebaceous carcinoma of the eyelid: pitfalls in diagnosis. Yeatts RP, et al. **Ophthal Plast Reconstr Surg** 1985; 1(1):35–42 (20 ref.)

SURGERY

[Preferred techniques of eyelid reconstruction] Beyer-Machule CK. **Klin Monatsbl Augenheilkd** 1991 Feb; 198(2):75–80 (12 ref.) (Eng. Abstr.) **(Ger)**
[Surgical treatment of eyelid tumors] Serra JM, et al. **Rev Med Univ Navarra** 1989 Jan–Mar;33(1):41–9 (23 ref.) (Eng. Abstr.) **(Spa)**

EYELIDS

ABNORMALITIES

Developmental abnormalities of the eyelids. The 1985 Wendell Hughes lecture. Johnson CC. **Ophthal Plast Reconstr Surg** 1986;2(4):219–32 (41 ref.)

ANATOMY & HISTOLOGY

The influence of orbital and eyelid anatomy on the palpebral aperture. Jelks GW, et al. **Clin Plast Surg** 1991 Jan; 18(1):183–95 (41 ref.)

INJURIES

[Post-traumatic ptosis] Waller PY, et al. **Rev Stomatol Chir Maxillofac** 1991;92(4):237–46 (17 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

[The aging eyelid] Gola R, et al. **Rev Stomatol Chir Maxillofac** 1991;92(4):247–58 (21 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Eyelid resting position and movements. Safran AB. **Bull Soc Belge Ophtalmol** 1989;237:459–84 (128 ref.)

SURGERY

Abnormalities of the palpebral aperture. Bosniak SL. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:243–58 (1 ref.)
Correcting superior sulcus deformities. Laiseca A, et al. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:229–42 (6 ref.)
Correction of superior sulcus defects after enucleation. Leone CR Jr. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:209–13 (3 ref.)
Reconstruction of the anophthalmic socket: lower eyelid malposition and canthal tendon laxity. Weiss RA, et al. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:192–208 (5 ref.)
Combined skin and skin-muscle flap technique in lower blepharoplasty: a 10-year experience. Massiha H. **Ann Plast Surg** 1990 Dec;25(6):467–76 (10 ref.)
Extended blepharoplasty. Adamson PA, et al. **Arch Otolaryngol Head Neck Surg** 1991 Jun;117(6):606–9; discussion 610 (6 ref.)
Periorbital reconstruction. Moy RL, et al. **J Dermatol Surg Oncol** 1991 Feb;17(2):153–9 (2 ref.)
Revascularization studies of an opposing eyelid pedicle flap. Silkiss RZ, et al. **Ophthal Plast Reconstr Surg** 1989; 5(2):110–7 (22 ref.)
Complications of blepharoplasty. Wilkins RB, et al. **Ophthal Plast Reconstr Surg** 1985;1(3):195–8 (10 ref.)
Conceptual approach to eyelid reconstruction. Custer PL. **Otolaryngol Clin North Am** 1990 Oct;23(5):991–1002 (7 ref.)
[Glaucoma as etiopathogenic hypothesis of amaurosis after blepharoplasty. Apropos of a clinical case] Scuderi N, et al. **Ann Chir Plast Esthet** 1990;35(5):410–3 (21 ref.) (Eng. Abstr.) **(Fre)**
[Preferred techniques of eyelid reconstruction] Beyer-Machule CK. **Klin Monatsbl Augenheilkd** 1991 Feb; 198(2):75–80 (12 ref.) (Eng. Abstr.) **(Ger)**
[Surgical treatment of eyelid tumors] Serra JM, et al. **Rev Med Univ Navarra** 1989 Jan–Mar;33(1):41–9 (23 ref.) (Eng. Abstr.) **(Spa)**

EYESTRAIN see **ASTHENOPIA**

F-ACTIN see **ACTINS**

F1 ATPASE see **H(+)-TRANSPORTING ATPASE**

F1F0 ATPASE COMPLEX see **H(+)-TRANSPORTING ATPASE**

FABRY'S DISEASE see **ANGIOKERATOMA CORPORIS DIFFUSUM**

FACE

The chemical peel. Peters W. **Ann Plast Surg** 1991 Jun; 26(6):564–71 (32 ref.)
Twins and twinning, dentists and dentistry [see comments] Townsend G, et al. **Aust Dent J** 1990 Aug;35(4):317–27 (52 ref.) Comment in: Aust Dent J 1990 Dec;35(6):549–50.
Covert face recognition in prosopagnosia: a review. Bruyer R. **Brain Cogn** 1991 Mar;15(2):223–35 (67 ref.)
New developments in magnetic resonance imaging of the nasopharynx and face. Vogl TJ, et al. **Curr Opin Radiol** 1991 Feb;3(1):61–6 (10 ref.)
The aging face: a psychocutaneous perspective. Gupta MA, et al. **J Dermatol Surg Oncol** 1990 Oct;16(10):902–4 (11 ref.)
Orofacial odontogenic infections: review of microbiology and current treatment. Gill Y, et al. **Oral Surg Oral Med Oral Pathol** 1990 Aug;70(2):155–8 (61 ref.)
CONSPEC and CONLERN: a two-process theory of infant face recognition. Morton J, et al. **Psychol Rev** 1991 Apr; 98(2):164–81 (105 ref.)
[The question of root resorption. Is the risk of root resorption related to the typology of the face?] Bacon W, et al.

Orthod Fr 1989;60 Pt 2:559–73 (83 ref.) (Eng. Abstr.) **(Fre)**

[Orofacial manifestations of hypertrichosis lanuginosa. Review of the literature apropos of a clinical case] De Clercq D, et al. **Rev Stomatol Chir Maxillofac** 1990; 91(6):465–8 (24 ref.) (Eng. Abstr.) **(Fre)**

[Necrotizing fasciitis of the face. Clinical and therapeutic aspects] Seguin P, et al. **Rev Stomatol Chir Maxillofac** 1990; 91(5):374–8 (27 ref.) (Eng. Abstr.) **(Fre)**

ABNORMALITIES

The syndrome of Hirschsprung disease, microcephaly, unusual face, and mental retardation. Halal F, et al. **Am J Med Genet** 1990 Sep;37(1):106–8 (11 ref.)

Williams (Elfin Facies) syndrome: review of the literature and report of a rare case. Boraz RA. **ASDC J Dent Child** 1991 Jan–Feb;58(1):57–9 (16 ref.)

Syndromes associated with simple calvarial and complex craniofacial anomalies. Iannetti P, et al. **Childs Nerv Syst** 1991 Apr;7(2):72–8 (27 ref.)

Syndrome delineation involving orofacial clefting. Cohen MM Jr, et al. **Cleft Palate Craniofac J** 1991 Jan;28(1):119–20 (13 ref.)

The branchio–oculo–facial syndrome. Lin AE, et al. **Cleft Palate Craniofac J** 1991 Jan;28(1):96–102 (9 ref.)

Directions and issues in psychosocial research and methods as applied to cleft lip and palate and craniofacial anomalies. Strauss RP, et al. **Cleft Palate Craniofac J** 1991 Apr; 28(2):150–6 (70 ref.)

Coffin–Siris syndrome. Levy P, et al. **J Med Genet** 1991 May; 28(5):338–41 (19 ref.)

The Tessier number 5 cleft: a report of two cases and a review of the literature. Galante G, et al. **Plast Reconstr Surg** 1991 Jul;88(1):131–5 (22 ref.)

Partial duplication of the face: case report and review. Verdi GD, et al. **Plast Reconstr Surg** 1991 Apr;87(4):759–62 (25 ref.)

[Clinical and genetic heterogeneity in Robinow's syndrome. Report of a new case and review of the literature I] Oliván Gonzalvo G, et al. **An Esp Pediatr** 1990 Jul;33(1):76–81 (31 ref.) **(Spa)**

ANATOMY & HISTOLOGY

[Orthodontics and esthetics] Aknin JJ. **Orthod Fr** 1991;62 Pt 1:137–90 (211 ref.) **(Fre)**

[Orthopedics and esthetics] Aknin JJ. **Orthod Fr** 1991;62 Pt 1:101–36 (211 ref.) **(Fre)**

[Effect of growth on esthetics] Busson E. **Orthod Fr** 1991; 62 Pt 1:71–100 (127 ref.) **(Fre)**

[Criteria and evaluation of facial esthetics] Raberin M. **Orthod Fr** 1991;62 Pt 1:21–70 (166 ref.) **(Fre)**

BLOOD SUPPLY

Quest for the aberrant vessel. Milczuk HA, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):489–94 (20 ref.)

EMBRYOLOGY

Embryologic fusion planes and the spread of cutaneous carcinoma: a review and reassessment. Wentzell JM, et al. **J Dermatol Surg Oncol** 1990 Nov;16(11):1000–6 (47 ref.)

INNERVATION

Perioral somesthetic sensibility: do the skin of the lower face and the midface exhibit comparable sensitivity? [see comments] Rath EM, et al. **J Oral Maxillofac Surg** 1990 Nov;48(11):1181–90 (75 ref.) Comment in: J Oral Maxillofac Surg 1991 Jul;49(7):779–80.

The basal ganglia–orofacial system: studies on neurobehavioral plasticity and sensory–motor tuning. Huston JP, et al. **Neurosci Biobehav Rev** 1990 Winter; 14(4):433–46 (123 ref.)

PHYSIOLOGY

Selected approaches to the aging face. Konior RJ, et al. **Otolaryngol Clin North Am** 1990 Dec;23(6):1083–95 (29 ref.)

SURGERY

Evaluation of facial skeletal aesthetics and surgical planning. Bartlett SP, et al. **Clin Plast Surg** 1991 Jan;18(1):1–9 (28 ref.)

When osteotomies should be considered. Rosen HM. **Clin Plast Surg** 1991 Jan;18(1):205–12 (10 ref.)

Aesthetic surgery of the face. Tardy ME Jr, et al. **Dermatol Clin** 1991 Jan;9(1):169–87 (15 ref.)

"State–of–the–art of cranio–maxillo–facial surgery at the end of the 10th European Congress for Cranio–Maxillo–Facial Surgery". Cesteleyn LM, et al. **J Craniomaxillofac Surg** 1990 Nov;18(8):329–31 (0 ref.)

Microliposuction and autologous fat transplantation for aesthetic enhancement of the aging face. Asken S. **J Dermatol Surg Oncol** 1990 Oct;16(10):965–72 (36 ref.)

Flap dynamics. Dzubow LM. **J Dermatol Surg Oncol** 1991 Feb;17(2):116–30 (59 ref.)

Periorbital reconstruction. Moy RL, et al. **J Dermatol Surg Oncol** 1991 Feb;17(2):153–9 (2 ref.)

Silicone, fibrel, and collagen implantation for facial lines and wrinkles. Pollack SV. **J Dermatol Surg Oncol** 1990 Oct; 16(10):957–61 (16 ref.)

Complications of flaps. Salasche SJ, et al. **J Dermatol Surg Oncol** 1991 Feb;17(2):132–40 (25 ref.)

Esthetic evaluation and treatment of the upper one third of the face. Arteaga DM, et al. **J Oral Maxillofac Surg** 1991 Jan;49(1):27–32 (10 ref.)

Management of the oral and maxillofacial surgery patient on anabolic steroids. Smith BK, et al. **J Oral Maxillofac Surg** 1991 Jun;49(6):627–32 (24 ref.)

Cervicofacial liposuction: results and controversies [see comments] Adamson PA, et al. **J Otolaryngol** 1990 Aug; 19(4):267–73 (7 ref.) Comment in: J Otolaryngol 1991 Feb;20(1):69.

Regional flaps in facial reconstruction. Baker SR. **Otolaryngol Clin North Am** 1990 Oct;23(5):925–46 (17 ref.)

Skin grafts. Branham GH, et al. **Otolaryngol Clin North Am** 1990 Oct;23(5):889–97 (10 ref.)

Local anesthesia for soft–tissue surgery. Ehlert TK, et al. **Otolaryngol Clin North Am** 1990 Oct;23(5):831–44 (16 ref.)

Incision planning and basic soft–tissue surgery. Freeman MS. **Otolaryngol Clin North Am** 1990 Oct;23(5):865–74 (7 ref.)

Design of local skin flaps. Larrabee WF Jr. **Otolaryngol Clin North Am** 1990 Oct;23(5):899–923 (27 ref.)

Scar revision and camouflage. Thomas JR, et al. **Otolaryngol Clin North Am** 1990 Oct;23(5):963–73 (15 ref.)

The Tessier number 5 cleft: a report of two cases and a review of the literature. Galante G, et al. **Plast Reconstr Surg** 1991 Jul;88(1):131–5 (22 ref.)

[Barraquer–Simons syndrome and facial lipo–filling. Apropos of a case] Ducours JL, et al. **Rev Stomatol Chir Maxillofac** 1991;92(2):105–11 (28 ref.) (Eng. Abstr.) **(Fre)**

FACE LIFT see **RHYTIDOPLASTY**

FACIAL ASYMMETRY

COMPLICATIONS

Epidermal nevus syndrome: a neurologic variant with hemimegalencephaly, gyral malformation, mental retardation, seizures, and facial hemihypertrophy. Pavone L, et al. **Neurology** 1991 Feb;41(2 (Pt 1)):266–71 (22 ref.)

DIAGNOSIS

Methods of three dimensional analysis of patients with asymmetry of the face. Moss JP, et al. **Proc Finn Dent Soc** 1991;87(1):139–49 (18 ref.)

ETIOLOGY

Rokitansky sequence in association with the facio–auriculo–vertebral sequence: part of a mesodermal malformation spectrum? Wulfsberg EA, et al. **Am J Med Genet** 1990 Sep;37(1):100–2 (18 ref.)

Regional macrodontia and regional bony enlargement associated with congenital infiltrating lipomatosis of the face presenting as unilateral facial hyperplasia. Brief review and case report. MacMillan AR, et al. **Int J Oral Maxillofac Surg** 1990 Oct;19(5):283–6 (15 ref.)

PHYSIOPATHOLOGY

Neurobiological and cultural aspects of facial asymmetry. van Gelder RS, et al. **J Commun Disord** 1990 Aug–Oct; 23(4–5):273–86 (20 ref.)

SURGERY

The costochondral graft: a solution or a source of facial asymmetry in growing children. A case report. Peltomäki T, et al. **Proc Finn Dent Soc** 1991;87(1):167–76 (54 ref.)

THERAPY

Early interceptive treatment of asymmetry. Linder–Aronson S. **Proc Finn Dent Soc** 1991;87(1):159–66 (8 ref.)

FACIAL BONES

[Recklinghausen's disease] Landat F, et al. **Rev Stomatol Chir Maxillofac** 1991;92(1):51–7 (13 ref.) (Eng. Abstr.) **(Fre)**

ABNORMALITIES

Congenital myopathy with oculo–facial abnormalities (Marden–Walker syndrome). Linder N, et al. **Am J Med Genet** 1991 Jun 15;39(4):377–9 (11 ref.)

Congenital heart disease and Robinow syndrome: coincidence or an additional component of the syndrome? Webber SA, et al. **Am J Med Genet** 1990 Dec;37(4):519–21 (9 ref.)

Cardio–facio cutaneous syndrome: neurological manifestations. Gross–Tsur V, et al. **Clin Genet** 1990 Nov; 38(5):382–6 (5 ref.)

The craniofacial anatomy of Apert syndrome. Marsh JL, et al. **Clin Plast Surg** 1991 Apr;18(2):237–49 (20 ref.)

Cerebral midline developmental anomalies: spectrum and associated features. Delezoide AL, et al. **Genet Couns** 1990; 1(3–4):197–210 (22 ref.)

Mosaic 46, XY/47,XY, + der(18)t(Y;18)(q11.22;q11.2) karyotype, moderate mental retardation and non–specific dysmorphism. Fryns JP, et al. **Genet Couns** 1990;1(2):173–7 (10 ref.)

Craniodiaphyseal dysplasia. Brueton LA, et al. **J Med Genet** 1990 Nov;27(11):701–6 (21 ref.)

Structural abnormalities of the craniofacial complex and congenital malformations. Poole AE, et al. **Pediatr Clin North Am** 1991 Oct;38(5):1089–125 (24 ref.)

Congenital craniofacial anomalies of ophthalmic importance. Fries PD, et al. **Surv Ophthalmol** 1990 Sep–Oct; 35(2):87–119 (154 ref.)

New aspects of craniofacial surgery. Marchac D, et al. **World J Surg** 1990 Nov–Dec;14(6):725–32 (21 ref.)

[Review of cranio–maxillo–facial malformations characterized by abnormal bone density] Reychler H. **Ann Chir Plast Esthet** 1990;35(5):421–31 (84 ref.) (Eng. Abstr.) **(Fre)**

[The role of occlusion and articulation in craniomandibular dysfunction] De Laat A. **Rev Belge Med Dent** 1990; 45(4):20–9 (47 ref.) (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

Dr. Beverly R. Rollnick memorial lecture. Normal and abnormal craniofacial embryogenesis. Sulik KK. **Birth Defects** 1990;26(3):1–18 (33 ref.)

GROWTH & DEVELOPMENT

Advances in histological methods open up new perspectives for craniofacial growth research. Thesleff I, et al. **Proc Finn Dent Soc** 1991;87(1):23–32 (24 ref.)

INJURIES

Management of middle third facial fractures. Duckert LG. **Otolaryngol Clin North Am** 1991 Feb;24(1):103–18 (3 ref.)

Traumatic anterior fossa cerebrospinal fluid fistulae and craniofacial considerations. Marentette LJ, et al. **Otolaryngol Clin North Am** 1991 Feb;24(1):151–63 (34 ref.)

Management of panfacial fractures. Wenig BL. **Otolaryngol Clin North Am** 1991 Feb;24(1):93–101 (24 ref.)

[Radiology of craniofacial trauma] Sodano A, et al. **Radiol Med (Torino)** 1991 Jun;81(6):861–72 (21 ref.) **(Ita)**

PATHOLOGY

Vertical skeletal change associated with Andresen, Harvold, and Begg treatment. Ball JV, et al. **Eur J Orthod** 1991 Feb;13(1):47–52 (26 ref.)

Cephalometric analysis of the obstructive sleep apnea syndrome. Rintala A, et al. **Proc Finn Dent Soc** 1991; 87(1):177–82 (17 ref.)

RADIOGRAPHY

Cranio–facial melorheostosis: case report and review of the literature. Williams JW, et al. **Br J Radiol** 1991 Jan; 64(757):60–2 (11 ref.)

[Radiology of craniofacial trauma] Sodano A, et al. **Radiol Med (Torino)** 1991 Jun;81(6):861–72 (21 ref.) **(Ita)**

SURGERY

Evaluation of facial skeletal aesthetics and surgical planning. Bartlett SP, et al. **Clin Plast Surg** 1991 Jan;18(1):1–9 (28 ref.)

Surgical correction of the craniofacial dysmorphology of Apert syndrome. Marsh JL, et al. **Clin Plast Surg** 1991 Apr;18(2):251–75 (100 ref.)

Surgical correction of the craniofacial anomalies in Apert syndrome. Mulliken JB, et al. **Clin Plast Surg** 1991 Apr; 18(2):277–89 (46 ref.)

Psychosocial considerations in interface surgery. Pertschuk M. **Clin Plast Surg** 1991 Jan;18(1):11–8 (33 ref.)

Skeletal alterations as a basis for facial rejuvenation. Whitaker LA, et al. **Clin Plast Surg** 1991 Jan;18(1):197–203 (21 ref.)

[The Wurzburg titanium miniplate system: evaluation of 3–year utilization] Couvreur J, et al. **Acta Stomatol Belg** 1990 Dec;87(4):272–82 (11 ref.) (Eng. Abstr.) **(Dut)**

FACIAL DERMATOSES

Extrafacial granuloma faciale [letter] Sears JK, et al. **Arch Dermatol** 1991 May;127(5):742–3 (5 ref.)

Unilateral erythromelanosis follicularis faciei et colli in a young girl. McGillis ST, et al. **J Am Acad Dermatol** 1991 Aug;25(2 Pt 2):430–2 (10 ref.)

Bazex syndrome (acrokeratosis paraneoplastica). An analytic review. Bolognia JL, et al. **Medicine (Baltimore)** 1991 Jul; 70(4):269–80 (100 ref.)

ETHNOLOGY

Regional dermatoses in the African. Part I. Facial hypermelanosis. Olumide YM, et al. **Int J Dermatol** 1991 Mar;30(3):186–9 (14 ref.)

GENETICS

[Multiple trichoepithelioma and congenital nail dystrophy in 2 brothers] Yedomon HG, et al. **Ann Dermatol Venereol** 1991;118(2):119–20 (8 ref.) **(Fre)**

PATHOLOGY

Unilateral facial actinic elastotic plaque--a new clinical

FACIAL DERMATOSES

variant of actinic elastosis. Wittal RA, et al. **Australas J Dermatol** 1989;30(1):15–22 (38 ref.)

Hydroa vacciniforme with unusually severe scar formation: diagnosis by repetitive UVA phototesting. Hann SK, et al. **J Am Acad Dermatol** 1991 Aug;25(2 Pt 2):401–3 (14 ref.)

[Multiple infundibuloma] Cribier B, et al. **Ann Dermatol Venereol** 1991;118(4):281–5 (20 ref.) (Eng. Abstr.) **(Fre)**

FACIAL EXPRESSION

Neurobiological and cultural aspects of facial asymmetry. van Gelder RS, et al. **J Commun Disord** 1990 Aug–Oct; 23(4–5):273–86 (20 ref.)

FACIAL HEMIATROPHY

COMPLICATIONS

[Optic neuropathy and Parry–Romberg syndrome. Apropos of a case] Garcher C, et al. **J Fr Ophtalmol** 1990; 13(11–12):557–61 (14 ref.) (Eng. Abstr.) **(Fre)**

FACIAL INJURIES

COMPLICATIONS

Management of patients with facial trauma and associated ocular/orbital injuries. Weisman RA, et al. **Otolaryngol Clin North Am** 1991 Feb;24(1):37–57 (30 ref.)

SURGERY

Concepts of soft-tissue trauma repair. Holt GR. **Otolaryngol Clin North Am** 1990 Oct;23(5):1019–30 (6 ref.)

THERAPY

Managing common dental problems and emergencies. Josell SD, et al. **Pediatr Clin North Am** 1991 Oct;38(5):1325–42 (38 ref.)

FACIAL MUSCLES

Facial dystonia, essential blepharospasm and hemifacial spasm. Holds JB, et al. **Am Fam Physician** 1991 Jun; 43(6):2113–20 (13 ref.)

Hemifacial spasm in an infant due to fourth ventricular ganglioglioma. Case report. Bills DC, et al. **J Neurosurg** 1991 Jul;75(1):134–7 (24 ref.)

Magnetic resonance imaging of vertebrobasilar ectasia in tic convulsif. Case report. Harsh GR 4th, et al. **J Neurosurg** 1991 Jun;74(6):999–1003 (22 ref.)

[Treatment of facial spasm with botulin A toxin] Adenis JP, et al. **J Fr Ophtalmol** 1990;13(5):259–64 (18 ref.) (Eng. Abstr.) **(Fre)**

[A case of juvenile hemifacial spasm, successfully treated by microvascular decompression] Okada J, et al. **No Shinkei Geka** 1991 Jan;19(1):53–7 (17 ref.) (Eng. Abstr.) **(Jpn)**

INNERVATION

Functions of the seventh cranial nerve. Smith JJ, et al. **Ear Nose Throat J** 1990 Oct;69(10):688–91, 694–5 (28 ref.)

Neurobiological and cultural aspects of facial asymmetry. van Gelder RS, et al. **J Commun Disord** 1990 Aug–Oct; 23(4–5):273–86 (20 ref.)

PHYSIOPATHOLOGY

[Electromyographic study of the mechanism and indications of maxillofacial pain] Han K, et al. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1990 Jul; 25(4):244–5 (16 ref.) **(Chi)**

TRANSPLANTATION

A new approach for repair of oro-antral-nasal fistulae. The anteriorly based buccinator myomucosal island flap. Carstens MH, et al. **J Craniomaxillofac Surg** 1991 Feb; 19(2):64–70 (40 ref.)

FACIAL NEOPLASMS

Muir–Torre syndrome: a case report. Bisceglia M, et al. **Tumori** 1991 Jun 30;77(3):277–81 (38 ref.)

[Cervicofacial cystic lymphangioma. Update apropos of 7 cases] Touhami M, et al. **J Chir (Paris)** 1991 Mar; 128(3):145–52 (25 ref.) (Eng. Abstr.) **(Fre)**

[Pilomatrix carcinoma. A new case] Naval L, et al. **Rev Stomatol Chir Maxillofac** 1991;92(1):48–50 (13 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Epidermal nevus syndrome: a neurologic variant with hemimegalencephaly, gyral malformation, mental retardation, seizures, and facial hemihypertrophy. Pavone L, et al. **Neurology** 1991 Feb;41(2 (Pt 1)):266–71 (22 ref.)

CONGENITAL

Regional macrodontia and regional bony enlargement associated with congenital infiltrating lipomatosis of the face presenting as unilateral facial hyperplasia. Brief review and case report. MacMillan AR, et al. **Int J Oral Maxillofac Surg** 1990 Oct;19(5):283–6 (15 ref.)

DIAGNOSIS

[Nervous tumors of the infratemporal fossa] Beauvillain C, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(2):107–11 (20 ref.) (Eng. Abstr.) **(Fre)**

[Histiocytoma of the infratemporal fossa. Apropos of a case] Menard M, et al. **Ann Otolaryngol Chir Cervicofac** 1991; 108(2):103–6 (16 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Pigmented postacne osteoma cutis in a patient treated with minocycline: report and review of the literature. Moritz DL, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 2):851–3 (19 ref.)

PATHOLOGY

Xeroderma pigmentosum group D patient bearing lentigo maligna without neurological symptoms. Fukuro S, et al. **Dermatologica** 1990;181(2):129–33 (18 ref.)

ULTRASTRUCTURE

Signet ring cell basal cell carcinoma. White GM, et al. **Am J Dermatopathol** 1991 Jun;13(3):288–92 (16 ref.)

FACIAL NERVE

ANATOMY & HISTOLOGY

The anatomy of the facial nerve. Monkhouse WS. **Ear Nose Throat J** 1990 Oct;69(10):677–83, 686–7 (13 ref.)

INJURIES

Facial nerve injuries associated with orthognathic surgery: a review of incidence and management. Jones JK, et al. **J Oral Maxillofac Surg** 1991 Jul;49(7):740–4 (18 ref.)

Facial nerve trauma: optimal timing for repair. Barrs DM. **Laryngoscope** 1991 Aug;101(8):835–48 (100 ref.)

Management of traumatic injuries to the facial nerve. Coker NJ. **Otolaryngol Clin North Am** 1991 Feb;24(1):215–27 (9 ref.)

PHYSIOLOGY

A comparison of facial nerve monitoring systems in cerebellopontine angle surgery. Dickins JR, et al. **Am J Otol** 1991 Jan;12(1):1–6 (19 ref.)

Functions of the seventh cranial nerve. Smith JJ, et al. **Ear Nose Throat J** 1990 Oct;69(10):688–91, 694–5 (28 ref.)

Optimizing of electroneuronography of the facial nerve. Neuwirth-Riedl K, et al. **ORL J Otorhinolaryngol Relat Spec** 1990;52(6):360–7 (11 ref.)

SURGERY

Hypoglossal neuroma following excision of a huge recurrent acoustic neuroma and facio–hypoglossal anastomosis. A complex management problem. Bordi L, et al. **Acta Neurochir (Wien)** 1990;104(3–4):143–6 (13 ref.)

[Treatment of essential blepharospasm] Gugg E, et al. **Wien Klin Wochenschr** 1990 Sep 28;102(18):523–5 (13 ref.) (Eng. Abstr.) **(Ger)**

TRANSPLANTATION

Facial nerve trauma: optimal timing for repair. Barrs DM. **Laryngoscope** 1991 Aug;101(8):835–48 (100 ref.)

FACIAL NERVE DISEASES

DIAGNOSIS

[2 cases of neurinoma of the mastoidal portion of the facial nerve: diagnostic contribution of MRI] Truy E, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991;112(3):223–7 (23 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

[Facial nerve neuropathy (review of the literature)] Puzin MN, et al. **Zh Nevropatol Psikhiatr** 1991;91(5):112–5 (54 ref.) **(Rus)**

FACIAL PAIN

see related
TEMPOROMANDIBULAR JOINT SYNDROME
TRIGEMINAL NEURALGIA

CLASSIFICATION

[Headaches and craniofacial pains with dental involvement in the classification of the International Headache Society (1988)] Macaluso GM, et al. **Minerva Stomatol** 1990 Aug; 39(8):685–95 (16 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Special considerations in orofacial pain. Austin DG, et al. **Dent Clin North Am** 1991 Jan;35(1):227–44 (159 ref.)

Diagnostic anesthesia. Guidelines for the practitioner. Gross SG. **Dent Clin North Am** 1991 Jan;35(1):141–53 (67 ref.)

Chronic orofacial pain. A practical approach to differential diagnosis. Pertes RA, et al. **Dent Clin North Am** 1991 Jan; 35(1):123–40 (57 ref.)

ETIOLOGY

Acute and chronic postural abnormalities as related to craniofacial pain and temporomandibular disorders. Mannheimer JS, et al. **Dent Clin North Am** 1991 Jan; 35(1):185–208 (103 ref.)

Chronic orofacial pain. A practical approach to differential diagnosis. Pertes RA, et al. **Dent Clin North Am** 1991 Jan; 35(1):123–40 (57 ref.)

Facial pain. Solomon S, et al. **Neurol Clin** 1990 Nov; 8(4):913–28 (65 ref.)

Management of orofacial pain. Hutchison I, et al. **Practitioner** 1991 Jan;235(1498):72–7 (3 ref.)

[Primary head and facial pain] Waespe W, et al. **Internist (Berl)** 1991 Jan;32(1):31–7 (14 ref.) **(Ger)**

[The language of pain: differential diagnosis of craniofacial pain] Hernández Gallego J, et al. **Med Clin (Barc)** 1990 Jul 7;95(6):224–7 (19 ref.) **(Spa)**

PATHOLOGY

Elongated styloid process: an overview. Murthy PS, et al. **Int J Oral Maxillofac Surg** 1990 Aug;19(4):230–1 (12 ref.)

PHYSIOPATHOLOGY

[Electromyographic study of the mechanism and indications of maxillofacial pain] Han K, et al. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1990 Jul; 25(4):244–5 (16 ref.) **(Chi)**

PSYCHOLOGY

Psychologic considerations in temporomandibular dysfunction. A biopsychosocial view of symptom formation. Grzesiak RC. **Dent Clin North Am** 1991 Jan; 35(1):209–26 (64 ref.)

THERAPY

[Transcutaneous electric nerve stimulation (TENS) in headache and facial pain] Taubert K. **Z Arztl Fortbild (Jena)** 1991 Jan 25;85(1–2):31–6 (37 ref.) **(Ger)**

FACIAL PARALYSIS

[Advances in the research on Bell's palsy] Wang Y, et al. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1990 Jun; 25(3):181–4 (22 ref.) **(Chi)**

COMPLICATIONS

Ophthalmic management of seventh nerve palsy. Collin JR, et al. **Aust N Z J Ophthalmol** 1990 Aug;18(3):267–72 (11 ref.)

CONGENITAL

The syndrome of Möbius sequence, peripheral neuropathy, and hypogonadotropic hypogonadism. Kawai M, et al. **Am J Med Genet** 1990 Dec;37(4):578–82 (9 ref.)

[Moebius syndrome. Apropos of 2 cases] Speeg C, et al. **J Fr Ophtalmol** 1991;14(2):103–8 (47 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Bell's palsy. Ensuring the best possible outcome. Morgenlander JC, et al. **Postgrad Med** 1990 Oct; 88(5):157–61, 164 (24 ref.)

Bell's palsy. A diagnosis of exclusion. Petruzzelli GJ, et al. **Postgrad Med** 1991 Aug;90(2):115–8, 121–2, 125–7 (42 ref.)

ETIOLOGY

Facial nerve and medially invasive petrous bone cholesteatomas. Bartels LJ. **Ann Otol Rhinol Laryngol** 1991 Apr;100(4 Pt 1):308–16 (12 ref.)

Congenital middle ear encephalocele initially seen with facial paresis. Uri N, et al. **Head Neck** 1991 Jan–Feb;13(1):62–7 (24 ref.)

A pseudo-malignant Warthin's tumor presenting with facial nerve paralysis. O'Dwyer TP, et al. **J Otolaryngol** 1990 Oct;19(5):353–7 (16 ref.)

Hypertension first seen as facial paralysis: case reports and review of the literature. Siegler RL, et al. **Pediatrics** 1991 Mar;87(3):387–9 (10 ref.)

[A case of facial diplegia due to EB virus infection] Matsushima K, et al. **Rinsho Shinkeigaku** 1990 Sep; 30(9):1013–6 (10 ref.) (Eng. Abstr.) **(Jpn)**

[Peripheral facial nerve paralysis due to intracranial processes and other diseases] Savić D, et al. **Srp Arh Celok Lek** 1990 May–Jun;118(5–6):213–5 (13 ref.) (Eng. Abstr.) **(Scc)**

[Intra-temporal bone paralysis of the facial nerve] Savić D, et al. **Srp Arh Celok Lek** 1990 May–Jun;118(5–6):217–22 (24 ref.) (Eng. Abstr.) **(Scc)**

GENETICS

Oculofacialbulbar palsy in mother and son: review of 26 reports of familial transmission within the 'Möbius spectrum of defects'. MacDermot KD, et al. **J Med Genet** 1991 Jan; 28(1):18–26 (27 ref.)

PHYSIOPATHOLOGY

[Facial paralysis in infancy. Clinical, diagnostic and therapeutic aspects] Ramos Macías A, et al. **An Esp Pediatr** 1990 Sep;33(3):253–7 (28 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Facial palsy—a leprosy surgeon's viewpoint. Warren G. **Aust N Z J Ophthalmol** 1990 Aug;18(3):257–66 (18 ref.)
Functional reconstruction after facial paralysis: a survey. Berger A, et al. **World J Surg** 1990 Nov–Dec;14(6):748–56 (61 ref.)

FACILITY ACCESS see **ARCHITECTURAL ACCESSIBILITY**

FACILITY CONSTRUCTION see **FACILITY DESIGN AND CONSTRUCTION**

FACILITY DESIGN AND CONSTRUCTION

Recent health sciences library building projects. Ludwig LT. **Bull Med Libr Assoc** 1991 Jan;79(1):70–85 (28 ref.)
Design features of a biotechnology laboratory environment. Baum JS. **Occup Med** 1991 Apr–Jun;6(2):227–54 (48 ref.)

FACILITY REGULATION AND CONTROL

Adult day care regulation: "Déjà vu all over again"? Weissert WG, et al. **J Health Polit Policy Law** 1991 Spring; 16(1):51–66 (23 ref.)

FACTITIOUS DISORDERS

The somatic patient. Purcell TB. **Emerg Med Clin North Am** 1991 Feb;9(1):137–59 (56 ref.)
Episodic factitious gingival injury secondary to topical anesthesia. A case report. Raab FJ, et al. **J Periodontol** 1991 Jun;62(6):402–6 (28 ref.)

DIAGNOSIS

"Superwarfarin" ingestion. A new problem in covert anticoagulant overdose. Swigar ME, et al. **Gen Hosp Psychiatry** 1990 Sep;12(5):309–12 (7 ref.)

PSYCHOLOGY

Factious AIDS: a case presentation and review of the literature. Gockel KA, et al. **Wis Med J** 1990 Nov; 89(11):633–4 (11 ref.)

FACTOR ANALYSIS, STATISTICAL

Focus on psychometrics. Estimating construct validity. Goodwin LD, et al. **Res Nurs Health** 1991 Jun;14(3):235–43 (56 ref.)

FACTOR CONSTRUCT RATING SCALES (FCRS) see **PSYCHIATRIC STATUS RATING SCALES**

FACTOR I see **FIBRINOGEN**

FACTOR II see **PROTHROMBIN**

FACTOR III see **THROMBOPLASTIN**

FACTOR IV see **CALCIUM**

FACTOR V DEFICIENCY

COMPLICATIONS

Factor V deficiency in a patient with rheumatoid arthritis. Omata F, et al. **Jpn J Med** 1991 Mar–Apr;30(2):157–60 (13 ref.)

FACTOR VII

ANALYSIS

Fibrinogen and factor VII as risk factors in vascular disease. Hultin MB. **Prog Hemost Thromb** 1991;10:215–41 (104 ref.)

ANTAGONISTS & INHIBITORS

Regulation of coagulation by a multivalent Kunitz-type inhibitor. Broze GJ Jr, et al. **Biochemistry** 1990 Aug 21; 29(33):7539–46 (97 ref.)
The lipoprotein-associated coagulation inhibitor. Broze GJ Jr, et al. **Prog Hemost Thromb** 1991;10:243–68 (131 ref.)

PHYSIOLOGY

Is the WKS motif the tissue-factor binding site for coagulation factor VII? Andrews BS. **Trends Biochem Sci** 1991 Jan;16(1):31–6 (45 ref.)

FACTOR VII, ACTIVATED see **FACTOR VIIA**

FACTOR VIIA

THERAPEUTIC USE

Factor VIIa in the treatment of haemophilia. Hedner U. **Blood Coagul Fibrinolysis** 1990 Aug;1(3):307–17 (95 ref.)

FACTOR VIII

Von Willebrand factor, factor VIII and the factor VIII/von Willebrand factor complex. Ingerslev J. **Dan Med Bull** 1990 Oct;37(5):385–406 (448 ref.)

GENETICS

The molecular basis of hemophilia A. Gitschier J. **Ann N Y Acad Sci** 1991;614:89–96 (48 ref.)
Molecular biology of the hemophilias. Thompson AR. **Prog Hemost Thromb** 1991;10:175–214 (201 ref.)

IMMUNOLOGY

Complications of hemophilia A treatment: factor VIII inhibitors. Kasper CK. **Ann N Y Acad Sci** 1991;614:97–105 (47 ref.)
Acquired haemophilia A [editorial] Nayak J. **J Assoc Physicians India** 1990 Dec;38(12):891–3 (37 ref.)

ISOLATION & PURIFICATION

The development of the technology and capacity for the production of factor VIII for the treatment of hemophilia A [see comments] Aronson DL. **Transfusion** 1990 Oct; 30(8):748–58 (65 ref.) Comment in: Transfusion 1991 Jul–Aug;31(6):573–4.

PHYSIOLOGY

Factor VIII structure and function. Fass DN. **Ann N Y Acad Sci** 1991;614:76–88 (78 ref.)
The association of factor VIII with von Willebrand factor. Lollar P. **Mayo Clin Proc** 1991 May;66(5):524–34 (67 ref.)

THERAPEUTIC USE

Factor VIII replacement therapy. Issues and future prospects. Roberts HR. **Ann N Y Acad Sci** 1991;614:106–13 (12 ref.)
Preclinical and in vitro studies of recombinant factor VIII. Fournel MA. **Semin Hematol** 1991 Apr;28(2 Suppl 1):22–6 (4 ref.)

FACTOR VIII CLOTTING ANTIGEN see **FACTOR VIII**

FACTOR VIII COAGULANT ANTIGEN see **FACTOR VIII**

FACTOR VIII PROCOAGULANT ACTIVITY see **FACTOR VIII**

FACTOR VIII-RELATED ANTIGEN see **VON WILLEBRAND FACTOR**

FACTOR IX

GENETICS

Molecular biology of the hemophilias. Thompson AR. **Prog Hemost Thromb** 1991;10:175–214 (201 ref.)

FACTOR IX DEFICIENCY see **CHRISTMAS DISEASE**

FACTOR X DEFICIENCY

COMPLICATIONS

[Familial amyloidosis of AL type and factor X deficiency. The valve of long-term colchicine administration (letter)] De Wazières B, et al. **Ann Med Interne (Paris)** 1990; 141(4):388–90 (11 ref.) **(Fre)**

FACTOR XI

Factor XI: a review of its biochemistry and deficiency. Kitchens CS. **Semin Thromb Hemost** 1991 Jan;17(1):55–72 (140 ref.)

FACTOR XI DEFICIENCY

Factor XI: a review of its biochemistry and deficiency. Kitchens CS. **Semin Thromb Hemost** 1991 Jan;17(1):55–72 (140 ref.)

FACTOR XII

PHYSIOLOGY

FXII. Fuhrer G, et al. **Blut** 1990 Nov;61(5):258–66 (148 ref.)

FACTOR XIII, ACTIVATED see **PROTEIN-GLUTAMINE GAMMA-GLUTAMYLTRANSFERASE**

FACTOR XIII TRANSAMIDASE see **PROTEIN-GLUTAMINE GAMMA-GLUTAMYLTRANSFERASE**

FACTOR XIIIA see **PROTEIN-GLUTAMINE GAMMA-GLUTAMYLTRANSFERASE**

FACULTY, MEDICAL

[Knowledge and attitude of professors concerning epilepsy. Evaluation of a survey conducted on 4,099 professors of Cantabria] Herranz Fernández JL, et al. **An Esp Pediatr** 1990 Dec;33(6):523–7 (39 ref.) (Eng. Abstr.) **(Spa)**

ORGANIZATION & ADMINISTRATION

Promotion and tenure of women and minorities on medical school faculties. The American College of Physicians. **Ann Intern Med** 1991 Jan 1;114(1):63–8 (46 ref.)

FAGINE see **CHOLINE**

FAIDS see **FELINE ACQUIRED IMMUNODEFICIENCY SYNDROME**

FAILURE TO THRIVE

ETIOLOGY

Hypoproteinemia, anemia, and failure to thrive in an infant. Bines JE, et al. **Gastroenterology** 1991 Sep;101(3):848–56 (74 ref.)

PATHOLOGY

[Gastrointestinal symptoms in disseminated Langerhans cell histiocytosis. Case report and review of the literature] Skopnik H, et al. **Monatsschr Kinderheilkd** 1991 Apr; 139(4):239–43 (27 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

The family context of nonorganic failure to thrive. Drotar D. **Am J Orthopsychiatry** 1991 Jan;61(1):23–34 (90 ref.)
Are boys more vulnerable to psychosocial growth retardation? Rudolf MC, et al. **Dev Med Child Neurol** 1990 Nov;32(11):1022–5 (38 ref.)

FAINTING see **SYNCOPE**

FAITH HEALING see **MENTAL HEALING**

FALLOPIAN TUBE DISEASES

DIAGNOSIS

[Current diagnostic and therapeutic procedures in reproduction medicine. Salpingoscopy and surgical hysteroscopy] Campo RL, et al. **Gynakologe** 1990 Aug; 23(4):214–21 (39 ref.) **(Ger)**

PATHOLOGY

Pathology of the fallopian tube and vagina. Parmley T. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):456–61 (38 ref.)

SURGERY

Management of tubal infertility in the 1990s. Reiss H. **Br J Obstet Gynaecol** 1991 Jul;98(7):619–23 (58 ref.)
Surgical management of tubal factor infertility. James C, et al. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):200–6 (21 ref.)

THERAPY

Transcervical salpingoplasty: current techniques and results. Darcy MD, et al. **Urol Radiol** 1991;13(1):74–9 (27 ref.)

FALLOPIAN TUBE NEOPLASMS

Sex cord tumor with annular tubules associated with endometriosis of the fallopian tube. Griffith LM, et al. **Am J Clin Pathol** 1991 Aug;96(2):259–62 (28 ref.)
Rare gynecologic malignancies. Schink JC, et al. **Curr Opin Obstet Gynecol** 1991 Feb;3(1):78–90 (55 ref.)
[Primary adenocarcinoma of a fallopian tube. Report of 3 cases and review of the literature] Pérez Maldonado G, et al. **Ginecol Obstet Mex** 1989 Sep;57:252–4 (18 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Primary choriocarcinoma of the fallopian tube. A case report] Barboza Quintana O, et al. **Ginecol Obstet Mex** 1987 Dec;55:315–7 (15 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Sex cord tumor with annular tubules associated with endometriosis of the fallopian tube. Griffith LM, et al. **Am J Clin Pathol** 1991 Aug;96(2):259–62 (28 ref.)
Pathology of the fallopian tube. Tokunaga T, et al. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):574–9 (42 ref.)
[Primary metastasizing fallopian tube carcinoma. Case report and overview of current therapy] Behr J, et al. **Zentralbl Gynakol** 1990;112(23):1477–80 (20 ref.) (Eng. Abstr.) **(Ger)**

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the vagina, uterus and oviduct. Anisimov VN, et al. **IARC Sci Publ** 1990;(99):445–71 (75 ref.)

FALLOPIAN TUBES

see related
HYSTEROSALPINGOGRAPHY
STERILIZATION, TUBAL

Peritoneal endosalpingiosis. Clausen I. **Zentralbl Gynakol** 1991;113(6):329–32 (13 ref.)

CYTOLOGY

Cocultures: a new lead in embryo quality improvement for assisted reproduction. Bongso A, et al. **Fertil Steril** 1991 Aug;56(2):179–91 (80 ref.)

PATHOLOGY

Arias–Stella reaction in fallopian tube epithelium. A light and electron microscopic study with a review of the literature. Milchgrub S, et al. **Am J Clin Pathol** 1991 Jun; 95(6):892–5 (15 ref.)

PHYSIOLOGY

Recent advances in our understanding of tubal function. Sayegh R, et al. **Ann N Y Acad Sci** 1991;626:266–75 (69 ref.)

The bovine oviduct and its role in reproduction: a review of the literature. Ellington JE. **Cornell Vet** 1991 Jul; 81(3):313–28 (81 ref.)

Oviduct function in pigs, with particular reference to the pathological condition of polyspermy. Hunter RH. **Mol Reprod Dev** 1991 Aug;29(4):385–91 (57 ref.)

FALLOT'S TETRALOGY see **TETRALOGY OF FALLOT**

FALLS, ACCIDENTAL see **ACCIDENTAL FALLS**

FAMILIAL ATYPICAL MULTIPLE MOLE–MELANOMA see **DYSPLASTIC NEVUS SYNDROME**

FAMILIAL MEDITERRANEAN FEVER see **PERIODIC DISEASE**

FAMILY

Societies, families, and change: the Alaskan example. Mohatt GV, et al. **Am Indian Alsk Native Ment Health Res** 1988; 1 MONO 1:325–52 discussion 353–65 (47 ref.)

The family context of nonorganic failure to thrive. Drotar D. **Am J Orthopsychiatry** 1991 Jan;61(1):23–34 (90 ref.)

The impact of television on children and clinical practice. Tonge BJ. **Aust N Z J Psychiatry** 1990 Dec;24(4):552–60 (65 ref.)

The family culture: a useful concept for family practice. Helman CG. **Fam Med** 1991 Jul;23(5):376–81 (54 ref.)

Self–report family assessment instruments: an evaluative review [see comment] Halvorsen JG. **Fam Pract Res J** 1991 Mar;11(1):21–55 (86 ref.) Comment on: Fam Pract Res J 1991 Mar;11(1):17–20.

Methodology for inferences concerning familial correlations: a review. Donner A, et al. **J Clin Epidemiol** 1991; 44(4–5):449–55 (37 ref.)

The impact of elder health, caregiver involvement, and global stress on two dimensions of caregiver burden. Miller B, et al. **J Gerontol** 1991 Jan;46(1):S9–19 (41 ref.)

The effect of physician impairment on the family. Gallegos KV, et al. **Md Med J** 1990 Nov;39(11):1007–11 (23 ref.)

Family and socialization in cross–cultural perspective: a model of change. Kağitçibaşi C. **Nebr Symp Motiv** 1989; 37:135–200 (250 ref.)

The interrelationships between alcohol and drugs and family violence. Miller BA. **NIDA Res Monogr** 1990;103:177–207 (86 ref.)

Paths of adolescent ego development: links with family life and individual adjustment. Hauser ST, et al. **Psychiatr Clin North Am** 1990 Sep;13(3):489–510 (19 ref.)

Family counseling and legal issues in Alzheimer's disease. Levine J, et al. **Psychiatr Clin North Am** 1991 Jun; 14(2):385–96 (39 ref.)

Objective and subjective dimensions of family burden. Towards an integrative framework for research. Schene AH. **Soc Psychiatry Psychiatr Epidemiol** 1990 Nov; 25(6):289–97 (59 ref.)

Caring for the elderly: the partnership issue. Jutras S. **Soc Sci Med** 1990;31(7):763–71 (61 ref.)

Research in patient and family decision making regarding life sustaining and long term care. Coulton CJ. **Soc Work Health Care** 1990;15(1):63–78 (35 ref.)

Anencephalic infants and special relationships. Jecker NS. **Theor Med** 1990 Dec;11(4):333–42 (23 ref.)

[Psychosocial problems in HIV infected families—possibilities for coping] Rosendahl C, et al. **Monatsschr Kinderheilkd** 1990 Dec;138(12):789–90 (7 ref.) (Eng. Abstr.) **(Ger)**

[Changes of the family in the 20th century] Haag A. **Psychother Psychosom Med Psychol** 1990 Sep–Oct; 40(9–10):351–6 (24 ref.) (Eng. Abstr.) **(Ger)**

[Psychosomatics of the family today] Stierlin H. **Psychother Psychosom Med Psychol** 1990 Sep–Oct; 40(9–10):357–62 (10 ref.) (Eng. Abstr.) **(Ger)**

[The handicapped newborn infant: an experienced multidisciplinary team approach for family support] Katzenstein M, et al. **Harefuah** 1990 Nov 15;119(10):326–9 (25 ref.) **(Heb)**

[Communicating with families of children with cerebral palsy] Przytycki A. **Harefuah** 1990 Aug;119(3–4):99–101 (12 ref.) **(Heb)**

PSYCHOLOGY

Alzheimer's disease and the family: a challenge of the new millennium. Ham RJ. **Adv Exp Med Biol** 1990;282:3–20 (21 ref.)

Psychological difficulties of caring for dementia patients: the role of support groups. Zandi T. **Adv Exp Med Biol** 1990; 282:113–20 (51 ref.)

Perinatal grief and mourning. Menke JA, et al. **Adv Pediatr** 1990;37:261–83 (37 ref.)

The social and family context of aboriginal self–harmful behaviour in remote Australia. Hunter EM. **Aust N Z J Psychiatry** 1991 Jun;25(2):203–9 (33 ref.)

Family–focused primary prevention of adolescent pregnancy [see comments] Raines TG. **Birth Defects** 1991;27(1):87–103 (47 ref.) Comment in: Birth Defects 1991;27(1):104–13.

Family–focused tertiary prevention with the adolescent mother and her child [see comments] Rich OJ. **Birth Defects** 1991;27(1):137–54 (33 ref.) Comment in: Birth Defects 1991;27(1):155–68.

A critique of family–focused tertiary prevention with the adolescent mother and her child [comment] Smith L. **Birth Defects** 1991;27(1):155–68 (73 ref.) Comment on: Birth Defects 1991;27(1):137–54.

Family–focused secondary prevention with the pregnant adolescent and adolescent father [see comments] Wilkerson NN. **Birth Defects** 1991;27(1):114–30 (70 ref.) Comment in: Birth Defects 1991;27(1):131–6.

ABC of major trauma. Handling distressed relatives and breaking bad news. McLauchlan CA. **BMJ** 1990 Nov 17; 301(6761):1145–9 (2 ref.)

Family therapy. Heard DH. **Br J Hosp Med** 1990 Aug; 44(2):119–21 (27 ref.)

Risks and benefits of a family systems approach to medical care. Baird MA, et al. **Fam Med** 1990 Sep–Oct; 22(5):396–403 (53 ref.)

A developmental view of therapeutic bonding in the family: treatment of the disconnected family. Doane JA, et al. **Fam Process** 1991 Jun;30(2):155–75 (45 ref.)

Current research issues in caregiving to the elderly. Malonebeach EE, et al. **Int J Aging Hum Dev** 1991; 32(2):103–14 (32 ref.)

Prevalence of behavioral symptoms and the relationship of child, parent, and family variables in 4– and 5–year–olds: results from the Ontario Child Health Study. Thomas BH, et al. **J Dev Behav Pediatr** 1991 Jun;12(3):177–84 (27 ref.)

Determinants of grief resolution in cancer death. Yancey D, et al. **J Palliat Care** 1990 Winter;6(4):24–31 (33 ref.)

Psychological and judicial parenthood. van Nijnatten CH. **Med Law** 1990;9(4):1070–6 (15 ref.)

Congenital orthopedic anomalies and their impact on the family. Mason KJ. **Nurs Clin North Am** 1991 Mar; 26(1):1–16 (43 ref.)

Family paradigm theory and family rituals: implications for child and family health. Campbell DW. **Nurse Pract** 1991 Feb;16(2):22, 25–6, 31 (10 ref.)

A family systems perspective for working with youth with disability. Patterson JM. **Pediatrician** 1991;18(2):129–41 (58 ref.)

Managing the care of patients with dementia. How to maximize level of functioning and minimize behavior problems. Stewart JT. **Postgrad Med** 1991 Sep 15; 90(4):45–9 (16 ref.)

Psychosocial family intervention in schizophrenia: a review of empirical studies. Lam DH. **Psychol Med** 1991 May; 21(2):423–41 (100 ref.)

[Pathologic anxiety in the family] Dellisch H. **Prax Kinderpsychol Kinderpsychiatr** 1991 Apr;40(4):128–33 (8 ref.) (Eng. Abstr.) **(Ger)**

[Schizophrenic patients and the emotional climate in the family. Causes, consequences and treatment of intensely expressed emotions of close relatives] Malt UF, et al. **Tidsskr Nor Laegeforen** 1990 Nov 30;110(29):3720–4 (43 ref.) (Eng. Abstr.) **(Nor)**

[The family—an underestimated but heavily burdened resource in health care] Bergmark T, et al. **Lakartidningen** 1990 Oct 10;87(41):3287–8 (28 ref.) **(Swe)**

FAMILY CHARACTERISTICS

Who are the homeless families? Characteristics of sheltered mothers and children. Bassuk EL. **Community Ment Health J** 1990 Oct;26(5):425–34 (21 ref.)

FAMILY HEALTH

The heredity of human alcohol abuse: myths and facts. Rothhammer F. **Arch Biol Med Exp (Santiago)** 1989 Dec; 22(4):355–9 (42 ref.)

Epidemiologic evidence of genetic susceptibility to cancer. Taylor JA. **Birth Defects** 1990;26(1):113–27 (42 ref.)

Health effects of housing status on children: a house is not a home. Agustin MS. **Bull N Y Acad Med** 1990 Sep–Oct; 66(5):500–14 (41 ref.)

Designing self–report instruments for family assessment. Halvorsen JG. **Fam Med** 1990 Nov–Dec;22(6):478–84 (47 ref.)

Cherubism involving a mother and daughter: case reports and review of the literature. Faircloth WJ Jr, et al. **J Oral Maxillofac Surg** 1991 May;49(5):535–42 (24 ref.)

Anxiety and the human family unit: a perspective. Payne RH. **J S C Med Assoc** 1990 Sep;86(9):507–10 (4 ref.)

Neurofibromatosis type 2: report of a family and review of current evaluation and treatment. McKennan KX, et al. **Laryngoscope** 1991 Feb;101(2):109–13 (12 ref.)

Family paradigm theory and family rituals: implications for child and family health. Campbell DW. **Nurse Pract** 1991 Feb;16(2):22, 25–6, 31 (10 ref.)

Employer–sponsored health promotion: why and how to make it a family affair. McCauley MJ, et al. **Occup Med** 1990 Oct–Dec;5(4):771–87 (51 ref.)

Family protective thinking about cardiac events: nursing interventions to promote maintenance of family health behaviors. Wastlick LA, et al. **Wis Med J** 1991 Jul; 90(7):438–40 (11 ref.)

[Health and the family] Kawczyńska–Butrym Z. **Wiad Lek** 1990 Nov 1–15;43(21–22):1071–6 (48 ref.) (Eng. Abstr.) **(Pol)**

FAMILY LIFE CYCLES see **FAMILY**

FAMILY–PATIENT LODGING see **HOUSING**

FAMILY PLANNING

see related
CONTRACEPTION

The career woman and oral contraceptive use. Sulak PJ. **Int J Fertil** 1991;36 Suppl 2:90–7; discussion 97–100 (55 ref.)

Preconception care. Jack BW, et al. **J Fam Pract** 1991 Mar; 32(3):306–15 (88 ref.)

The fifth freedom revisited: I, Background and existing programmes. Potts M, et al. **Lancet** 1990 Nov 17; 336(8725):1227–31 (26 ref.)

METHODS

[Contraceptive methods and their efficiency] Osler M. **Ugeskr Laeger** 1991 Feb 18;153(8):562–5 (15 ref.) (Eng. Abstr.) **(Dan)**

TRENDS

Contraception—a look forward, Part I: New spermicides and natural family planning. Woolley RJ. **J Am Board Fam Pract** 1991 Jan–Feb;4(1):33–46 (90 ref.)

FAMILY PRACTICE

see related
PHYSICIANS, FAMILY

Hypnosis in family medicine. Mutter CB, et al. **Am Fam Physician** 1990 Nov;42(5 Suppl):70S–73S (20 ref.)

The painful shoulder: Part I. Extrinsic disorders. Zuckerman JD, et al. **Am Fam Physician** 1991 Jan;43(1):119–28 (13 ref.)

The management of early skin cancer in the 90s. Kelly JW. **Aust Fam Physician** 1990 Nov;19(11):1714–25, 1729 (22 ref.)

Risks and benefits of a family systems approach to medical care. Baird MA, et al. **Fam Med** 1990 Sep–Oct; 22(5):396–403 (53 ref.)

The family culture: a useful concept for family practice. Helman CG. **Fam Med** 1991 Jul;23(5):376–81 (54 ref.)

Should family doctors screen asymptomatic children for high blood pressure? St George IM. **Fam Pract** 1990 Sep; 7(3):219–26 (57 ref.)

Indications for office radiographs [see comments] Halvorsen JG, et al. **J Fam Pract** 1990 Nov;31(5):521–9 (42 ref.) Comment in: J Fam Pract 1991 Mar;32(3):240–1.

Screening for psychiatric and substance abuse disorders in clinical practice. Ford DE, et al. **J Gen Intern Med** 1990 Sep–Oct;5(5 Suppl):S37–41 (30 ref.)

Laboratory testing in, or for, general practice. Broughton PM, et al. **Med Lab Sci** 1990 Oct;47(4):304–11 (14 ref.)

Experience in medical audit: general practice. Baker R. **Postgrad Med J** 1990;66 Suppl 3:S14–6 (6 ref.)

Who treats the doctor? Allibone A. **Practitioner** 1990 Nov; 234(1496):984–7 (4 ref.)

The doctor's health. Violence and safety. Hobbs R. **Practitioner** 1990 Nov;234(1496):979–82 (4 ref.)

Pharmacists and GP prescribing. Kendall H, et al. **Practitioner** 1990 Sep;234(1494):855–6 (3 ref.)

A GP antibiotic formulary. Lightfoot N. **Practitioner** 1990 Dec;234(1497):1060, 1062 (3 ref.)

["Dry chemistry" determinations for office practice laboratory] Vonderschmitt DJ. **Schweiz Rundsch Med Prax** 1991 Mar 26;80(13):335–9 (13 ref.) (Eng. Abstr.) **(Ger)**

[General practitioners and interventions against smoking: a critical review of interventions] Rosso S, et al. **Epidemiol Prev** 1991 Mar;13(46):37–44 (28 ref.) (Eng. Abstr.) **(Ita)**

METHODS

Periodontal disease and the family physician. Hubbard TM. **Am Fam Physician** 1991 Aug;44(2):487–91 (12 ref.)

Syphilis—an STD on the increase. Kirchner JT. **Am Fam Physician** 1991 Sep;44(3):843–54 (22 ref.)

Temper tantrums. Leung AK, et al. **Am Fam Physician** 1991 Aug;44(2):559–63 (13 ref.)

Esophageal foreign bodies. Ratcliff KM.

Am Fam Physician 1991 Sep;44(3):824–31 (24 ref.)
Treatment of diabetes in the elderly. Reed RL, et al. **Am Fam Physician** 1991 Sep;44(3):915–24 (31 ref.)
Nonpharmacologic treatment of urinary incontinence. Weiss BD. **Am Fam Physician** 1991 Aug;44(2):579–86 (39 ref.)
Ocular and periocular infections. Hirst LW. **Aust Fam Physician** 1991 Jul;20(7):979–82, 986–8 (3 ref.)
Minimizing urinary incontinence in the nursing home. Breitenbucher RB. **Geriatrics** 1990 Dec;45(12):32–40 (22 ref.)
Treatment of acne vulgaris. Guidelines for primary care physicians. Taylor MB. **Postgrad Med** 1991 Jun;89(8):40–2, 45–7 (11 ref.)
Travel medicine for the primary care physician. Studemeister A. **West J Med** 1991 Apr;154(4):418–22 (19 ref.)

ORGANIZATION & ADMINISTRATION

Computer application in a general practice. Lim PH, et al. **Ann Acad Med Singapore** 1990 Sep;19(5):736–40 (14 ref.)

STANDARDS

Quality assurance and general practice in Australia. Del Mar C. **Aust Clin Rev** 1991;11(1–2):41–4 (5 ref.)
Designing self-report instruments for family assessment. Halvorsen JG. **Fam Med** 1990 Nov–Dec;22(6):478–84 (47 ref.)
Competence and performance: two different concepts in the assessment of quality of medical care. Rethans JJ, et al. **Fam Pract** 1990 Sep;7(3):168–74 (7 ref.)

TRENDS

Consultation length in general practice: a review. Wilson A. **Br J Gen Pract** 1991 Mar;41(344):119–22 (50 ref.)
Family medicine—an overview. Furst A, et al. **Isr J Med Sci** 1990 Sep;26(9):481–4 (17 ref.)

FAMILY RELATIONSHIP see **FAMILY**

FAMILY, SINGLE-PARENT see **SINGLE PARENT**

FAMILY SIZE see **FAMILY CHARACTERISTICS**

FAMILY THERAPY

A multidimensional model for treatment of child abuse: a framework for cooperation. Baglow LJ. **Child Abuse Negl** 1990;14(3):387–95 (15 ref.)
[Change in diagnostic and therapeutic viewpoints: the systemic perspective] Rotthaus W. **Prax Kinderpsychol Kinderpsychiatr** 1990 Nov–Dec;39(9–10):361–4 (20 ref.) (Eng. Abstr.) **(Ger)**
[Treatment of divorce families—considerations from the viewpoint of object relations theory and contextual therapy] Suess GJ. **Prax Kinderpsychol Kinderpsychiatr** 1990 Oct;39(8):278–83 (45 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Behavioral family treatment for patients with bipolar affective disorder. Miklowitz DJ, et al. **Behav Modif** 1990 Oct;14(4):457–89 (55 ref.)
Family interventions for schizophrenia. Tarrier N, et al. **Behav Modif** 1990 Oct;14(4):408–40 (100 ref.)
Family therapy. Heard DH. **Br J Hosp Med** 1990 Aug;44(2):119–21 (27 ref.)
A developmental view of therapeutic bonding in the family: treatment of the disconnected family. Doane JA, et al. **Fam Process** 1991 Jun;30(2):155–75 (45 ref.)
Family systems intervention and physical illness. Sholevar GP, et al. **Gen Hosp Psychiatry** 1990 Nov;12(6):363–72 (59 ref.)
Family therapy—developments in thinking and practice. Jenkins H. **J Child Psychol Psychiatry** 1990 Nov;31(7):1015–26 (80 ref.)
Family therapy for anorexia nervosa in adolescence: a review. Hodes M, et al. **J R Soc Med** 1991 Jun;84(6):359–62 (40 ref.)
Behavioral family therapy for schizophrenia. Mueser KT, et al. **Prog Behav Modif** 1990;26:122–49 (75 ref.)
Behavioral assessment and treatment of parent-adolescent conflict. Robin AL, et al. **Prog Behav Modif** 1990;25:178–215 (105 ref.)
Enhancement of social learning family interventions for childhood conduct disorder. Miller GE, et al. **Psychol Bull** 1990 Sep;108(2):291–307 (260 ref.)
Psychosocial family intervention in schizophrenia: a review of empirical studies. Lam DH. **Psychol Med** 1991 May;21(2):423–41 (100 ref.)
[Family therapy: what is at stake in its evolution and its present application] Villeneuve C. **Psychiatr Enfant** 1990;33(1):153–87 (81 ref.) (Eng. Abstr.) **(Fre)**
[Origin of problematic constellations in psychiatric family care. Theoretical considerations and presentation of the course of a discontinued family care episode] Schmidt-Michel PO, et al. **Psychother Psychosom Med Psychol** 1991 Jun;41(6):224–31 (30 ref.) (Eng. Abstr.) **(Ger)**

FAMOTIDINE

THERAPEUTIC USE

Clinical efficacy of famotidine in the treatment of acid-related diseases: an overview. Dammann HG. **Hepatogastroenterology** 1990 Jul;37 Suppl 1:2–5 (0 ref.)
Acid secretion and acid suppression in pathogenesis and healing of peptic ulcer disease. Thomson AB. **Hepatogastroenterology** 1990 Jul;37 Suppl 1:18–28 (144 ref.)
[Famotidine—a new histamine H2 receptor blockader] Grigor'ev PIa, et al. **Klin Med (Mosk)** 1991 Apr;69(4):23–8 (57 ref.) **(Rus)**

FAMOUS PERSONS

[What do we know about Ludwig van Beethoven's deafness?] Latkowski B, et al. **Otolaryngol Pol** 1991;45(1):80–3 (6 ref.) (Eng. Abstr.) **(Pol)**

FANCONI SYNDROME

GENETICS

Renal failure in adult onset hypophosphatemic osteomalacia with Fanconi syndrome: a family study and review of the literature. Harrison NA, et al. **Clin Nephrol** 1991 Apr;35(4):148–50 (13 ref.)

FANCONI'S ANEMIA

The Italian contribution to the study of Fanconi's anemia. Sansone R, et al. **Pathologica** 1990 Sep–Oct;82(1081):473–8 (74 ref.)

COMPLICATIONS

Fanconi's anaemia and pregnancy. Alter BP, et al. **Br J Haematol** 1991 Mar;77(3):410–8 (83 ref.)
Leukemia and preleukemia in Fanconi anemia patients. A review of the literature and report of the International Fanconi Anemia Registry. Auerbach AD, et al. **Cancer Genet Cytogenet** 1991 Jan;51(1):1–12 (92 ref.)

GENETICS

Fanconi's anemia: genetic and molecular aspects of the defect. Moustacchi E, et al. **Nouv Rev Fr Hematol** 1990;32(6):387–9 (22 ref.)
Fanconi anemia: constitutional aplastic anemia. Gordon-Smith EC, et al. **Semin Hematol** 1991 Apr;28(2):104–12 (85 ref.)

FANFT

ANALOGS & DERIVATIVES

Metabolism of aromatic and heterocyclic amine bladder carcinogens: bioanalytical considerations. Mattammal MB, et al. **J Pharm Biomed Anal** 1990;8(2):151–8 (33 ref.)

METABOLISM

Metabolism of aromatic and heterocyclic amine bladder carcinogens: bioanalytical considerations. Mattammal MB, et al. **J Pharm Biomed Anal** 1990;8(2):151–8 (33 ref.)

FANTASY

Culture tales. A narrative approach to thinking, cross-cultural psychology, and psychotherapy. Howard GS. **Am Psychol** 1991 Mar;46(3):187–97 (65 ref.)

FARMER'S LUNG

CHEMICALLY INDUCED

[Pesticide-induced pulmonary fibrosis] Barthel E. **Z Gesamte Inn Med** 1990 Oct 1;45(19):587–9 (50 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Organic dust toxic syndrome: an acute febrile reaction to organic dust exposure distinct from hypersensitivity pneumonitis. Von Essen S, et al. **J Toxicol Clin Toxicol** 1990;28(4):389–420 (101 ref.)

FASCIA

ANATOMY & HISTOLOGY

[The reality and usefulness of Halban's fascia] Hoang NM, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991;20(1):51–9 (10 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

[Fascia skeleton of the abdominal cavity—hernia and anorectal incontinence] Stelzner F. **Langenbecks Arch Chir** 1991;376(2):108–20 (32 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Nose and paranasal augmentation: autogenous, fascia, and cartilage. Guerrerosantos J. **Clin Plast Surg** 1991 Jan;18(1):65–86 (32 ref.)
Preliminary vascular control for renal trauma. Atala A, et al. **Surg Gynecol Obstet** 1991 May;172(5):386–90 (7 ref.)

FASCIITIS

Overlap syndromes, mixed connective tissue disease, and eosinophilic fasciitis. Maddison PJ. **Curr Opin Rheumatol** 1989 Dec;1(4):523–8 (10 ref.)

COMPLICATIONS

Eyelid necrosis and periorbital necrotizing fasciitis. Report of a case and review of the literature. Kronish JW, et al. **Ophthalmology** 1991 Jan;98(1):92–8 (39 ref.)

DIAGNOSIS

Eosinophilic fasciitis in a ten year old boy. Degan JA, et al. **Nebr Med J** 1990 Nov;75(11):299–302 (20 ref.)

PATHOLOGY

The eosinophilia-myalgia syndrome and eosinophilic fasciitis. Jimenez SA. **Curr Opin Rheumatol** 1990 Dec;2(6):960–6 (33 ref.)
[Necrotizing fasciitis of the face. Clinical and therapeutic aspects] Seguin P, et al. **Rev Stomatol Chir Maxillofac** 1990;91(5):374–8 (27 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Necrotizing lesions of soft tissues: a review. Patiño JF, et al. **World J Surg** 1991 Mar–Apr;15(2):235–9 (45 ref.)

THERAPY

Plantar fasciitis in runners. Treatment and prevention. Warren BL. **Sports Med** 1990 Nov;10(5):338–45 (43 ref.)

FASCIOLIASIS

DRUG THERAPY

[Praziquantel is mostly ineffective: treatment of fasciola hepatica infection (large liver fluke)] Schubert S, et al. **Z Arztl Fortbild (Jena)** 1990;84(14):705–7 (18 ref.) **(Ger)**

FAST ATOM BOMBARDMENT MASS SPECTROMETRY see **SPECTROMETRY, MASS, FAST ATOM BOMBARDMENT**

FAST ATOM BOMBARDMENT MASS SPECTROSCOPY see **SPECTROMETRY, MASS, FAST ATOM BOMBARDMENT**

FAST ELECTRONS see **ELECTRONS**

FAST NEUTRONS

THERAPEUTIC USE

New developments in neutron capture therapy. Dewit L, et al. **Eur J Cancer** 1990;26(8):912–4 (30 ref.)
The trouble with neutrons. Scalliet P. **Eur J Cancer** 1991;27(3):225–30 (33 ref.)

FASTING

see related
HUNGER
STARVATION

Manifestations, diagnosis and treatment of fasting and postprandial hypoglycemias. Shah JH. **Acute Care** 1987;13(4):186–204 (132 ref.)
Approaching the protein-sparing modified fast. Seim HC, et al. **Am Fam Physician** 1990 Nov;42(5 Suppl):51S–56S (23 ref.)
Antirheumatic effects of fasting. Palmblad J, et al. **Rheum Dis Clin North Am** 1991 May;17(2):351–62 (41 ref.)
Fasting, intestinal permeability, and rheumatoid arthritis. Sköldstam L, et al. **Rheum Dis Clin North Am** 1991 May;17(2):363–71 (51 ref.)

PHYSIOLOGY

The effect of pre-anaesthetic fasting on blood glucose level in children undergoing surgery. Shah M, et al. **JPMA** 1990 Oct;40(10):243–5 (10 ref.)

FAT EMULSIONS, INTRAVENOUS

ADMINISTRATION & DOSAGE

[The use of intravenous lipids in the neonatal period] Philippet P. **Rev Med Liege** 1991 Mar;46(3):147–57 (47 ref.) **(Fre)**

METABOLISM

New developments in fat emulsions. Carpentier YA, et al. **Proc Nutr Soc** 1990 Oct;49(3):375–80 (18 ref.)

PHARMACOKINETICS

[Elimination and metabolism of MCT-containing fat emulsions in postoperative patients in the framework of

total parenteral nutrition] Herrmann A, et al. **Infusionstherapie** 1990 Aug;17(4):185–90; 193–6 (57 ref.) (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Practicalities of lipids: ICU patient, autoimmune disease, and vascular disease. Sax HC. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):223S–225S (29 ref.)

FAT NECROSIS

PATHOLOGY

[Clinical case: neonatal cytosteatonecrosis. Apropos of a case] Souissi R, et al. **Tunis Med** 1990 Nov;68(11):693–6 (8 ref.) (Eng. Abstr.) **(Fre)**

FATHERS

Leukaemia and paternal radiation exposure. Watson GM. **Med J Aust** 1991 Apr 1;154(7):483–7 (23 ref.)

Parental sex effect in familial amyotrophic lateral sclerosis. Leone M. **Neurology** 1991 Aug;41(8):1292–4 (16 ref.)

PSYCHOLOGY

Family-focused secondary prevention with the pregnant adolescent and adolescent father [see comments] Wilkerson NN. **Birth Defects** 1991;27(1):114–30 (70 ref.) Comment in: Birth Defects 1991;27(1):131–6.

Couvade syndrome: male counterpart to pregnancy. Klein H. **Int J Psychiatry Med** 1991;21(1):57–69 (37 ref.)

Support for the adolescent father. Taucher P. **Nurs Forum** 1991;26(1):22–6 (25 ref.)

FATIGUE

Definition and measurement of fatigue. Barofsky I, et al. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S94–7 (22 ref.)

COMPLICATIONS

Depression, chronic fatigue, and the premenstrual syndrome. Gonsalves L, et al. **Prim Care** 1991 Jun;18(2):369–80 (40 ref.)

DIET THERAPY

Mineral waters in treatment of metabolic changes from fatigue in sportsmen. Grassi M, et al. **J Sports Med Phys Fitness** 1990 Dec;30(4):441–9 (37 ref.)

ETIOLOGY

Expanded liability of hospitals for the negligence of fatigued residents. McNoble DJ. **J Leg Med** 1990 Dec;11(4):427–49 (77 ref.)

Depression and chronic fatigue in the patient with chronic pain. Covington EC. **Prim Care** 1991 Jun;18(2):341–58 (85 ref.)

Depression and fatigue in the primary care physician. Wise TN. **Prim Care** 1991 Jun;18(2):451–64 (38 ref.)

METABOLISM

Muscle metabolism during fatigue and work. Layzer RB. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):441–59 (47 ref.)

Physical and mental fatigue: do changes in plasma amino acids play a role? Newsholme EA, et al. **Biochem Soc Trans** 1991 Apr;19(2):358–62 (21 ref.)

Role of exercise-induced potassium fluxes underlying muscle fatigue: a brief review. Sjøgaard G. **Can J Physiol Pharmacol** 1991 Feb;69(2):238–45 (106 ref.)

NURSING

Fatigue. Hart LK, et al. **Nurs Clin North Am** 1990 Dec; 25(4):967–76 (51 ref.)

PHYSIOPATHOLOGY

Skeletal muscle weakness and fatigue in old age: underlying mechanisms. Faulkner JA, et al. **Annu Rev Gerontol Geriatr** 1990;10:147–66 (65 ref.)

Biochemical adaptations to training: implications for resisting muscle fatigue. McCully KK, et al. **Can J Physiol Pharmacol** 1991 Feb;69(2):274–8 (20 ref.)

Factors contributing to increased muscle fatigue with beta-blockers. McKelvie RS, et al. **Can J Physiol Pharmacol** 1991 Feb;69(2):254–61 (69 ref.)

The remodelling of skeletal muscle for indefatigable hemodynamic work. Odim JN, et al. **Can J Physiol Pharmacol** 1991 Feb;69(2):230–7 (29 ref.)

Fatigue of mammalian skeletal muscle in situ during repetitive contractions. Stainsby WN, et al. **Can J Physiol Pharmacol** 1991 Feb;69(2):226–9 (11 ref.)

Physiologic measurement of exercise and fatigue with special reference to chronic fatigue syndrome. Lewis SF, et al. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S98–108 (69 ref.)

[Mechanisms of muscular fatigue] Rossi B, et al. **Riv Neurol** 1991 Jan–Feb;61(1):23–34 (119 ref.) (Eng. Abstr.) **(Ita)**

FATIGUE FRACTURES see **FRACTURES, STRESS**

FATIGUE, MENTAL

METABOLISM

Physical and mental fatigue: do changes in plasma amino acids play a role? Newsholme EA, et al. **Biochem Soc Trans** 1991 Apr;19(2):358–62 (21 ref.)

FATIGUE SYNDROME, CHRONIC

Chronic fatigue syndrome: signs of a new approach. David AS, et al. **Br J Hosp Med** 1991 Mar;45(3):158–63 (95 ref.)

Definition and measurement of fatigue. Barofsky I, et al. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S94–7 (22 ref.)

Symptoms and signs of chronic fatigue syndrome. Komaroff AL, et al. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S8–11 (14 ref.)

Analysis of clinical, epidemiologic, and laboratory data on chronic fatigue syndrome. Redmond CK. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S90–3 (17 ref.)

[Chronic fatigue: myth or reality?] Comtois R. **Union Med Can** 1991 Jan–Feb;120(1):10–6 (53 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Chronic fatigue syndrome and depression: cause, effect, or covariate. Abbey SE, et al. **Rev Infect Dis** 1991 Jan–Feb; 13 Suppl 1:S73–83 (114 ref.)

Methodologic considerations in assessment of cognitive function in chronic fatigue syndrome. Becker JT. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S112–3 (24 ref.)

Assessment of depression in patients with chronic fatigue syndrome. Thase ME. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S114–8 (29 ref.)

DIAGNOSIS

Chronic fatigue syndrome: issues in the diagnosis and estimation of incidence. Armon C, et al. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S68–72 (19 ref.)

Validation of biologic markers for use in research on chronic fatigue syndrome. Schulte PA. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S87–9 (12 ref.)

[Chronic fatigue syndrome, fibromyalgia and depression] Martin-Du-Pan R. **Rev Med Suisse Romande** 1990 Oct; 110(10):923–8 (0 ref.) **(Fre)**

[The chronic fatigue syndrome. A multifactorial approach and the treatment possibilities] Pinardi G, et al. **Recenti Prog Med** 1990 Dec;81(12):773–7 (22 ref.) (Eng. Abstr.) **(Ita)**

EPIDEMIOLOGY

Issues and problems in the conduct of epidemiologic research on chronic fatigue syndrome. Grufferman S. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S60–7 (10 ref.)

ETIOLOGY

The chronic fatigue syndrome. Shafran SD. **Am J Med** 1991 Jun;90(6):730–9 (96 ref.)

Chronic fatigue syndrome: is it real? Kroenke K. **Postgrad Med** 1991 Feb 1;89(2):44–6, 49–50, 53–5 (20 ref.)

The chronic fatigue syndrome: a return to common sense. Denman AM. **Postgrad Med J** 1990 Jul;66(777):499–501 (23 ref.)

[Chronic fatigue syndrome] Ewig S, et al. **Klin Wochenschr** 1990 Aug 17;68(16):789–96 (64 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Review of laboratory findings for patients with chronic fatigue syndrome. Buchwald D, et al. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S12–8 (61 ref.)

Serologic and immunologic responses in chronic fatigue syndrome with emphasis on the Epstein–Barr virus. Jones JF. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S26–31 (26 ref.)

Antibodies to Epstein-Barr virus in patients with chronic fatigue. Matthews DA, et al. **South Med J** 1991 Jul; 84(7):832–40 (71 ref.)

MICROBIOLOGY

Serologic and virologic epidemiology of Epstein–Barr virus: relevance to chronic fatigue syndrome. Sumaya CV. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S19–25 (39 ref.)

PATHOLOGY

Fibromyalgia, chronic fatigue syndrome, and myofascial pain syndrome. Goldenberg DL. **Curr Opin Rheumatol** 1991 Apr;3(2):247–58 (91 ref.)

PHYSIOPATHOLOGY

Testing of vestibular function: an adjunct in the assessment of chronic fatigue syndrome. Furman JM. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S109–11 (10 ref.)

Physiologic measurement of exercise and fatigue with special reference to chronic fatigue syndrome. Lewis SF, et al. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S98–108 (69 ref.)

PSYCHOLOGY

Chronic fatigue syndrome and the psychiatrist. Abbey SE, et al. **Can J Psychiatry** 1990 Oct;35(7):625–33 (90 ref.)

Chronic fatigue syndrome and depression: conceptual and methodological ambiguities [editorial] Ray C. **Psychol Med** 1991 Feb;21(1):1–9 (84 ref.)

Cognitive and mood-state changes in patients with chronic fatigue syndrome. Grafman J, et al. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S45–52 (64 ref.)

FATIGUE SYNDROME, POSTVIRAL see **FATIGUE SYNDROME, CHRONIC**

FATTY ACID CYCLO-OXYGENASE see **PROSTAGLANDIN SYNTHASE**

FATTY ACID DESATURASES

METABOLISM

Endocrine control of fatty acid desaturation. Brenner RR. **Biochem Soc Trans** 1990 Oct;18(5):773–5 (5 ref.)

Essential fatty acids—an historical perspective. Sinclair HM. **Biochem Soc Trans** 1990 Oct;18(5):756–61 (81 ref.)

Enzyme activities affecting tissue lipid fatty acid composition. Sprecher H. **World Rev Nutr Diet** 1991;66:166–76 (33 ref.)

FATTY ACIDS

Diet and kidney disease: the role of dietary fatty acids. Schreiner GF, et al. **Proc Soc Exp Biol Med** 1991 May; 197(1):1–11 (113 ref.)

ADVERSE EFFECTS

Trans-fatty acids and serum cholesterol levels. **Nutr Rev** 1991 Feb;49(2):57–60 (17 ref.)

ANALYSIS

Changes in the quantitative and qualitative composition of fat from fish, due to seasonality and industrial and culinary processing. Varela G, et al. **Bibl Nutr Dieta** 1990;(46):104–9 (17 ref.)

Enzyme activities affecting tissue lipid fatty acid composition. Sprecher H. **World Rev Nutr Diet** 1991;66:166–76 (33 ref.)

BIOSYNTHESIS

Molecular genetics of polyketides and its comparison to fatty acid biosynthesis. Hopwood DA, et al. **Annu Rev Genet** 1990;24:37–66 (119 ref.)

Iso- and anteiso-fatty acids in bacteria: biosynthesis, function, and taxonomic significance. Kaneda T. **Microbiol Rev** 1991 Jun;55(2):288–302 (170 ref.)

CHEMISTRY

Implications of thiolester linked fatty acids in apolipoprotein B. Lee DM. **Adv Exp Med Biol** 1991;285:49–58 (38 ref.)

METABOLISM

Defects of fatty-acid oxidation in muscle. Angelini C. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):561–82 (59 ref.)

Phospholipid fatty acid remodeling in mammalian cells. MacDonald JI, et al. **Biochim Biophys Acta** 1991 Jul 9; 1084(2):105–21 (123 ref.)

Beta oxidation of fatty acids. Schulz H. **Biochim Biophys Acta** 1991 Jan 28;1081(2):109–20 (124 ref.)

Structural and functional features of different types of cytoplasmic fatty acid-binding proteins. Veerkamp JH, et al. **Biochim Biophys Acta** 1991 Jan 4;1081(1):1–24 (315 ref.)

Sudden infant death syndrome and inherited disorders of fatty acid beta-oxidation. Harpey JP, et al. **Biol Neonate** 1990; 58 Suppl 1:70–80 (59 ref.)

Functional consequences of abnormal fatty acid profiles in cultured airway epithelial cells. Alpert SE, et al. **Exp Lung Res** 1991 Jan–Feb;17(1):1–15 (47 ref.)

Metabolism of large bowel mucosa in health and disease. Latella G, et al. **Int J Colorectal Dis** 1991 May;6(2):127–32 (72 ref.)

Fatty acid-binding protein expression in the liver: its regulation and relationship to the zonation of fatty acid metabolism. Bass NM. **Mol Cell Biochem** 1990 Oct 15–Nov 8;98(1–2):167–76 (40 ref.)

Are copper and iron required for delta-9 desaturation of fatty acids? **Nutr Rev** 1990 Oct;48(10):387–9 (13 ref.)

Dietary fat alters adipocyte membrane lipid composition and cell functions in diabetic and control rats. **Nutr Rev** 1991 Mar;49(3):82–4 (5 ref.)

Intracellular transfer of phospholipids, galactolipids, and fatty acids in plant cells. Kader JC. **Subcell Biochem** 1990; 16:69–111 (77 ref.)

Intracellular fatty-acid-binding proteins. Characteristics and function. Paulussen RJ, et al. **Subcell Biochem** 1990; 16:175–226 (237 ref.)

13C-NMR: a simple yet comprehensive method for analysis of intermediary metabolism. Jeffrey FM, et al. **Trends Biochem Sci** 1991 Jan;16(1):5–10 (36 ref.)

The fats of life: the importance and function of protein acylation. McIlhinney RA. **Trends Biochem Sci** 1990 Oct; 15(10):387–91 (37 ref.)

Fatty acid supplementation and skin disease. Campbell KL. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1475–86 (37 ref.)

[Postprandial fatty acid metabolism] Oette K. **Klin Wochenschr** 1990;68 Suppl 22:7–11 (11 ref.) (Eng. Abstr.) **(Ger)**

[The characterization of microbial lipases. 2. The determination of lipase specificity] Bariszlovich M, et al. **Nahrung** 1991;35(1):61–9 (60 ref.) (Eng. Abstr.) **(Ger)**

[Current concepts of the pathogenesis of cholelithiasis] Tadzhiev Ila. **Klin Med (Mosk)** 1991 Apr;69(4):110–3 (62 ref.) **(Rus)**

PHARMACOLOGY

Fish oil fatty acids and cardiovascular function: epidemiology and biochemical mechanisms. Weber PC. **Biochem Soc Trans** 1990 Dec;18(6):1045–9 (27 ref.)

Antiulcerogenic and antiinflammatory actions of fatty acids on the gastrointestinal tract. Lugea A, et al. **Prostaglandins Leukot Essent Fatty Acids** 1991 Jul; 43(3):135–40 (19 ref.)

Fish oil fatty acids and experimental arthritis. Cathcart ES, et al. **Rheum Dis Clin North Am** 1991 May;17(2):235–42 (49 ref.)

PHYSIOLOGY

Higher aliphatic 2,4–diketones: a ubiquitous lipid class with chelating properties, in search of a physiological function. Douglas DE. **J Lipid Res** 1991 Apr;32(4):553–8 (4 ref.)

Direct regulation of ion channels by fatty acids. Ordway RW, et al. **Trends Neurosci** 1991 Mar;14(3):96–100 (65 ref.)

FATTY ACIDS, ESSENTIAL

METABOLISM

Biosynthesis of prostaglandins. Lands WE. **Annu Rev Nutr** 1991;11:41–60 (115 ref.)

Metabolism of n–6 and n–3 fatty acids in man and animals. Garton GA. **Biochem Soc Trans** 1990 Oct;18(5):755–6 (13 ref.)

Essential fatty acids—an historical perspective. Sinclair HM. **Biochem Soc Trans** 1990 Oct;18(5):756–61 (81 ref.)

Dietary regulation of essential fatty acid metabolism and membrane phospholipid composition. Wahle KW. **Biochem Soc Trans** 1990 Oct;18(5):775–8 (54 ref.)

Importance of essential fatty acids and their derivatives in poultry. Watkins BA. **J Nutr** 1991 Sep;121(9):1475–85 (132 ref.)

PHARMACOLOGY

Modification of the eicosanoid system and cell signalling by precursor fatty acids. Weber PC, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21A:217–24 (27 ref.)

PHYSIOLOGY

Essential fatty acids in membrane: physical properties and function. Stubbs CD, et al. **Biochem Soc Trans** 1990 Oct; 18(5):779–81 (31 ref.)

Essential fatty acids and their metabolites in signal transduction. Wood JN. **Biochem Soc Trans** 1990 Oct; 18(5):785–6 (18 ref.)

Pathogenesis of diabetic neuropathy: the role of the n–6 essential fatty acids and their eicosanoid derivatives. Jamal GA. **Diabetic Med** 1990 Aug;7(7):574–9 (70 ref.)

Physiological importance of omega–3/omega–6 polyunsaturated fatty acids in man. An overview of still unresolved and controversial questions. Debry G, et al. **Experientia** 1991 Feb 15;47(2):172–8 (90 ref.)

FATTY ACIDS, FREE see **FATTY ACIDS, NONESTERIFIED**

FATTY ACIDS, NONESTERIFIED

BLOOD

Determination of plasma–free fatty acid kinetics with tracers: methodologic considerations. Miles JM, et al. **JPEN J Parenter Enteral Nutr** 1991 May–Jun; 15(3):90S–93S (39 ref.)

FATTY ACIDS, OMEGA–3

Requirements of adults and elderly. Bjerve KS. **World Rev Nutr Diet** 1991;66:26–30 (12 ref.)

Growth and development in infants. Salem N Jr, et al. **World Rev Nutr Diet** 1991;66:20–5 (4 ref.)

ADMINISTRATION & DOSAGE

Omega–3 polyenic acids: sources, intake. Poisson JP. **Bibl Nutr Dieta** 1990;(46):70–86 (38 ref.)

Omega 3 fatty acid deficiency in man: implications for the requirement of alpha–linolenic acid and long–chain omega 3 fatty acids. Bjerve KS. **World Rev Nutr Diet** 1991; 66:133–42 (38 ref.)

Dose–response relationships for omega 3/omega 6 effects. Lands WE. **World Rev Nutr Diet** 1991;66:177–94 (37 ref.)

Health effects of omega 3 polyunsaturated fatty acids in seafoods. Cardiovascular. II: Heart. Nordøy A. **World Rev Nutr Diet** 1991;66:34–8 (20 ref.)

[Omega–3–fatty acids: their value in nutrition and prevention] Brenner D, et al. **Ther Umsch** 1990 Sep;47(9):724–32 (60 ref.) (Eng. Abstr.) **(Ger)**

ANALYSIS

Balance between omega 3 and omega 6 fatty acids in heart muscle in relation to diet, stress and ageing. Gudbjarnason S, et al. **World Rev Nutr Diet** 1991;66:292–305 (20 ref.)

METABOLISM

Dietary n–3 polyunsaturated fatty acids of fish oils, autoxidation ex vivo and peroxidation in vivo: implications. Kinsella JE. **Adv Exp Med Biol** 1991;289:255–68 (76 ref.)

The metabolic role of n–3 polyunsaturated fatty acids: relationship to human disease. Kelly FJ. **Comp Biochem Physiol [A]** 1991;98(3–4):581–5 (36 ref.)

PHARMACOLOGY

Mechanism of the antithrombotic effects of fish oil. Goodnight SH. **Baillieres Clin Haematol** 1990 Jul; 3(3):601–23 (119 ref.)

Cardiovascular effects of omega–3 polyunsaturated fatty acids (fish oils). Mishkel GJ, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):625–49 (106 ref.)

Influence of omega 3 fatty acids on blood lipids. Sanders TA. **World Rev Nutr Diet** 1991;66:358–66 (31 ref.)

Fish oil and the platelet–blood vessel wall interaction. Vanhoutte PM, et al. **World Rev Nutr Diet** 1991;66:233–44 (41 ref.)

Effects of omega 3 fatty acids on glucose and lipid metabolism in non–insulin–dependent diabetes mellitus. Vessby B. **World Rev Nutr Diet** 1991;66:407–16 (22 ref.)

Cardiovascular effects of omega 3 fatty acids. Atherosclerosis risk factor modification by omega 3 fatty acids. Weber PC, et al. **World Rev Nutr Diet** 1991;66:218–32 (57 ref.)

[Role of fish oils in diabetic dietetics] De Leeuw I. **Journ Annu Diabetol Hotel Dieu** 1991;:213–20 (48 ref.) **(Fre)**

[The effect of omega 3 fatty acids on serum lipoproteins] Cybulska B, et al. **Wiad Lek** 1990 May 1–15; 43(9–10):438–44 (26 ref.) **(Pol)**

PHYSIOLOGY

Omega–3 fatty acids in health and disease and in growth and development. Simopoulos AP. **Am J Clin Nutr** 1991 Sep;54(3):438–63 (211 ref.)

Omega–3 polyunsaturated fatty acids: biochemical actions. Granström E. **Bibl Nutr Dieta** 1990;(46):87–94 (24 ref.)

n–3 fatty acids—health aspects. Wolfram G. **Bibl Nutr Dieta** 1990;(46):110–9 (50 ref.)

Essentiality of omega 3 fatty acids in growth and development of infants. Carlson SE, et al. **World Rev Nutr Diet** 1991;66:74–86 (44 ref.)

THERAPEUTIC USE

Omega–3 polyunsaturated fatty acids in chronic renal insufficiency [editorial] Bilo HJ, et al. **Nephron** 1991; 57(4):385–93 (110 ref.)

Clinical studies of omega–3 fatty acid supplementation in patients who have rheumatoid arthritis. Kremer JM. **Rheum Dis Clin North Am** 1991 May;17(2):391–402 (25 ref.)

Alleviation of autoimmune disease by dietary lipids containing omega–3 fatty acids. Robinson DR. **Rheum Dis Clin North Am** 1991 May;17(2):213–22 (18 ref.)

Dietary omega–3 fatty acids: effects on lipid mediators of inflammation and rheumatoid arthritis. Sperling RI. **Rheum Dis Clin North Am** 1991 May;17(2):373–89 (55 ref.)

Omega 3 fatty acid diet effects on tumorigenesis in experimental animals. Cave WT Jr. **World Rev Nutr Diet** 1991;66:462–76 (34 ref.)

Modulation of breast cancer growth in nude mice by omega 3 lipids. Fernandes G, et al. **World Rev Nutr Diet** 1991; 66:488–503 (70 ref.)

Dietary omega 3 fatty acids and cancer: an overview. Galli C, et al. **World Rev Nutr Diet** 1991;66:446–61 (61 ref.)

Dietary supplementation with omega 3 fatty acids in insulin–dependent diabetes mellitus. Jensen T. **World Rev Nutr Diet** 1991;66:417–24 (43 ref.)

Hypotensive effects of omega 3 fatty acids: mechanistic aspects. Knapp HR. **World Rev Nutr Diet** 1991;66:313–28 (79 ref.)

Studies of dietary supplementation with omega 3 fatty acids in patients with rheumatoid arthritis. Kremer JM, et al. **World Rev Nutr Diet** 1991;66:367–82 (27 ref.)

Omega 3 fatty acids and cancer metastasis in humans. Man–Fan Wan J, et al. **World Rev Nutr Diet** 1991;66:477–87 (36 ref.)

Dietary omega 3 and omega 6 fatty acids and cardiovascular responses to pressor and depressor stimuli. Mills DE. **World Rev Nutr Diet** 1991;66:349–57 (29 ref.)

Rheumatoid arthritis and inflammatory mediators. Robinson DR, et al. **World Rev Nutr Diet** 1991;66:44–7 (4 ref.)

Omega 3 fatty acids: research advances and support in the field since June 1985 (worldwide). Simopoulos AP, et al. **World Rev Nutr Diet** 1991;66:51–71 (55 ref.)

Blood pressure–lowering effect of omega 3 polyunsaturated fatty acids in clinical studies. Singer P. **World Rev Nutr Diet** 1991;66:329–48 (48 ref.)

Omega 3 polyunsaturated fatty acid constituents of fish oil and the management of skin inflammatory and scaly disorders. Ziboh VA. **World Rev Nutr Diet** 1991;66:425–35 (22 ref.)

FATTY ACIDS, POLYUNSATURATED see **FATTY ACIDS, UNSATURATED**

FATTY ACIDS, UNSATURATED

ADMINISTRATION & DOSAGE

Fatty acids, lipid peroxidation and diseases. Bégin ME. **Proc Nutr Soc** 1990 Jul;49(2):261–7 (35 ref.)

Dose–response relationships for omega 3/omega 6 effects. Lands WE. **World Rev Nutr Diet** 1991;66:177–94 (37 ref.)

Polyunsaturated fatty acids and the health of the elderly. Rudman D, et al. **World Rev Nutr Diet** 1991;66:143–60 (79 ref.)

ADVERSE EFFECTS

The importance of N–6 and N–3 fatty acids in carcinogenesis. Kromhout D. **Med Oncol Tumor Pharmacother** 1990; 7(2–3):173–6 (17 ref.)

[Dietary factors in the pathogenesis of alcoholic cirrhosis: what's new? [editorial] Naveau S, et al. **Gastroenterol Clin Biol** 1990;14(10):695–7 (23 ref.) **(Fre)**

ANALYSIS

Balance between omega 3 and omega 6 fatty acids in heart muscle in relation to diet, stress and ageing. Gudbjarnason S, et al. **World Rev Nutr Diet** 1991;66:292–305 (20 ref.)

METABOLISM

Biosynthesis of prostaglandins. Lands WE. **Annu Rev Nutr** 1991;11:41–60 (115 ref.)

Metabolism of n–6 and n–3 fatty acids in man and animals. Garton GA. **Biochem Soc Trans** 1990 Oct;18(5):755–6 (13 ref.)

Metabolism of n–3/n–6 fatty acids in blood and vascular cells. Lagarde M. **Biochem Soc Trans** 1990 Oct;18(5):770–2 (67 ref.)

Lipoxygenase products of polyunsaturated fatty acid metabolism in the central nervous system: biosynthesis and putative functions. Simmet T, et al. **Pharmacol Res** 1990 Nov–Dec;22(6):667–82 (125 ref.)

Reaction of thiyl radicals with alcohols, ethers and polyunsaturated fatty acids: a possible role of thiyl free radicals in thiol mutagenesis? Schöneich C, et al. **Radiat Environ Biophys** 1990;29(4):263–71 (40 ref.)

n–3 fatty acids and human disease. Weber PC. **Scand J Clin Lab Invest Suppl** 1990;202:14–9 (5 ref.)

[Leukotrienes and shock] Oborin AN. **Klin Khir** 1991;(4):60–4 (46 ref.) **(Rus)**

PHARMACOLOGY

Replacement of vertebrate serum with lipids and other factors in the culture of invertebrate cells, tissues, parasites, and pathogens. Goodwin RH. **In Vitro Cell Dev Biol** 1991 Jun; 27A(6):470–8 (216 ref.)

N–3 fatty acids in hypertension and cardiovascular disease. Bjerve KS, et al. **Scand J Clin Lab Invest Suppl** 1990; 202:78–81 (14 ref.)

PHYSIOLOGY

Nutritional fatty acids control. Composition and function of cerebral membranes. Bourre JM, et al. **Bibl Nutr Dieta** 1990;(46):95–103 (23 ref.)

Physiological importance of omega–3/omega–6 polyunsaturated fatty acids in man. An overview of still unresolved and controversial questions. Debry G, et al. **Experientia** 1991 Feb 15;47(2):172–8 (90 ref.)

THERAPEUTIC USE

Effect of dietary prostaglandin precursors on the progression of renal disease in animals. Barcelli UO. **Kidney Int Suppl** 1991 Apr;31:S57–64 (20 ref.)

Dietary omega 3 and omega 6 fatty acids and cardiovascular responses to pressor and depressor stimuli. Mills DE. **World Rev Nutr Diet** 1991;66:349–57 (29 ref.)

FATTY ACIDS, VOLATILE

METABOLISM

Metabolic and intestinal effects of short–chain fatty acids. Rombeau JL, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):181S–185S (44 ref.)

PHYSIOLOGY

Bacterial short chain fatty acids: their role in gastrointestinal disease. Ramakrishna BS, et al. **Dig Dis** 1990;8(6):337–45 (83 ref.)

FATTY LIVER

ETIOLOGY

Microvesicular steatosis of the liver. Hautekeete ML, et al. **Acta Clin Belg** 1990;45(5):311–26 (80 ref.)

Hepatobiliary dysfunction associated with total parenteral nutrition. Payne–James JJ, et al. **Dig Dis** 1991;9(2):106–24 (119 ref.)

Pathogenesis of hepatic steatosis during total parenteral nutrition. Nussbaum MS, et al. **Surg Annu** 1991;23 Pt 2:1–11 (42 ref.)

[Non-alcoholic steatohepatitis] Moreno Sánchez D. **An Med Interna** 1989 Feb;6(2):100–3 (71 ref.) **(Spa)**

GENETICS

Progressive neuronal degeneration of childhood with liver disease (Alpers–Huttenlocher syndrome): a personal review. Harding BN. **J Child Neurol** 1990 Oct;5(4):273–87 (38 ref.)

FATTY LIVER, ALCOHOLIC

PATHOLOGY

The spectrum of alcohol induced liver disease. Histological features. Christoffersen P, et al. **APMIS Suppl** 1991;23:40–5 (27 ref.)

FATTY STREAK, ARTERIAL see **ATHEROSCLEROSIS**

FATTY TISSUE see **ADIPOSE TISSUE**

FATTY TUMOR see **LIPOMA**

FAVISM

ENZYMOLOGY

The erythroenzymopathies. With particular reference to glucose-6-phosphate dehydrogenase deficiency and favism. Carcassi U, et al. **Ann Ital Med Int** 1988;3 Suppl 1:23–30 (20 ref.)

FC RECEPTORS see **RECEPTORS, FC**

FEAR

see related
PHOBIC DISORDERS

Local crime as a natural hazard: implications for understanding the relationship between disorder and fear of crime. Taylor RB, et al. **Am J Community Psychol** 1990 Oct;18(5):619–41 (60 ref.)

Panic attacks without fear: an overview. Kushner MG, et al. **Behav Res Ther** 1990;28(6):469–79 (31 ref.)

Fear of dependence in therapeutic relationships. Pedder J. **Br J Med Psychol** 1991 Jun;65 (Pt 2):117–26 (28 ref.)

Fear of dependence in therapeutic relationships. Pedder J. **Br J Med Psychol** 1991 Jun;64 (Pt 2):117–26 (28 ref.)

How normal are anxiety and fear? Hodiamont P. **Int J Soc Psychiatry** 1991 Spring;37(1):43–50 (24 ref.)

Structural equation modeling in clinical assessment research with children. Morris RJ, et al. **J Consult Clin Psychol** 1991 Jun;59(3):371–9 (53 ref.)

Vulnerability: towards a better understanding of a key variable in the genesis of fear of crime. Killias M. **Violence Vict** 1990 Summer;5(2):97–108 (39 ref.)

[Sudden infant death—an emotional trigger mechanism] Kaada B. **Tidsskr Nor Laegeforen** 1990 Nov 30; 110(29):3767–9 (20 ref.) (Eng. Abstr.) **(Nor)**

PHYSIOLOGY

Learning and unlearning fear: a clinical and evolutionary perspective. Marks I, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):365–84 (220 ref.)

Pharmacological and anatomical analysis of fear conditioning. Davis M. **NIDA Res Monogr** 1990;97:126–62 (120 ref.)

FECAL INCONTINENCE

PHYSIOPATHOLOGY

Functional assessment of the anorectum in faecal incontinence. Read NW. **Ciba Found Symp** 1990; 151:119–35; discussion 135–8 (30 ref.)

The neurogenic hypothesis of stress incontinence. Swash M. **Ciba Found Symp** 1990;151:156–70; discussion 170–5 (33 ref.)

The internal and sphincter—new insights into faecal incontinence. Speakman CT, et al. **Gut** 1991 Apr; 32(4):345–6 (26 ref.)

Anorectal and pelvic floor disorders: putting physiology into practice. Pemberton JH. **J Gastroenterol Hepatol** 1990;5 Suppl 1:127–43 (116 ref.)

Anatomy and physiology of the mechanism of continence. Kuijpers JH. **Neth J Med** 1990 Aug;37 Suppl 1:S2–5 (13 ref.)

[Fascia skeleton of the abdominal cavity—hernia and anorectal incontinence] Stelzner F. **Langenbecks Arch Chir** 1991;376(2):108–20 (32 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

[Peranal anastomosis after deep resection of the rectum] Eigler FW. **Chirurg** 1991 Jan;62(1):12–6 (14 ref.) **(Ger)**

SURGERY

Results of surgery in idiopathic faecal incontinence. Pinho M, et al. **Ann Med** 1990 Dec;22(6):425–33 (59 ref.)

Treatment of urinary and faecal incontinence by surgically implanted devices. Brindley GS. **Ciba Found Symp** 1990; 151:267–74; discussion 274–82 (11 ref.)

Surgical approaches to anal incontinence. Wong WD, et al. **Ciba Found Symp** 1990;151:246–59; discussion 260–6 (25 ref.)

[Anorectal incontinence—cause and treatment] Stelzner F. **Chirurg** 1991 Jan;62(1):17–24 (17 ref.) (Eng. Abstr.) **(Ger)**

[Fecal incontinence derived from ano-rectal atresia] Gil-Vernet JM, et al. **Cir Pediatr** 1988 Apr;1(2):69–84 (88 ref.) **(Spa)**

FECES

CHEMISTRY

Haem in the gut. Part II. Faecal excretion of haem and haem-derived porphyrins and their detection. Young GP, et al. **J Gastroenterol Hepatol** 1990 Mar–Apr;5(2):194–203 (42 ref.)

FECES, IMPACTED

COMPLICATIONS

Stercoral perforation of the colon. Serpell JW, et al. **Br J Surg** 1990 Dec;77(12):1325–9 (66 ref.)

FECUNDITY see **FERTILITY**

FEDERAL HEALTH INSURANCE PLANS, UNITED STATES see **NATIONAL HEALTH INSURANCE, UNITED STATES**

FEEDBACK, PSYCHOPHYSIOLOGIC see **BIOFEEDBACK (PSYCHOLOGY)**

FEEDING BEHAVIOR

Serotonin in human eating disorders. Jimerson DC, et al. **Ann N Y Acad Sci** 1990;600:532–44 (99 ref.)

Gender differences in eating behavior and body weight regulation. Rolls BJ, et al. **Health Psychol** 1991; 10(2):133–42 (90 ref.)

Taste, food exposure, and eating behavior. Capaldi ED, et al. **Hosp Community Psychiatry** 1991 Aug;42(8):787–9 (20 ref.)

Food-storing birds: adaptive specialization in brain and behaviour? Krebs JR. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29;329(1253):153–60 (36 ref.)

The time window of feeding. Collier G, et al. **Physiol Behav** 1990 Dec;48(6):771–7 (49 ref.)

Diet selection by grazing animals. Milne JA. **Proc Nutr Soc** 1991 Mar;50(1):77–85 (29 ref.)

Grouping management and physical facilities. Sniffen CJ. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):465–71 (8 ref.)

Feeding and drinking behavior problems. Houpt KA. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):281–98 (65 ref.)

[New knowledge about the stomach and nutrition] Wolff G. **Z Arztl Fortbild (Jena)** 1991 Apr 10;85(7):287–90 (36 ref.) **(Ger)**

DRUG EFFECTS

Central receptors and recognition sites mediating the effects of monoamines and anorectic drugs on feeding behavior. Angel I. **Clin Neuropharmacol** 1990 Oct;13(5):361–91 (283 ref.)

PHYSIOLOGY

Hypothalamic neuropeptide Y: a circuit in the regulation of gonadotropin secretion and feeding behavior. Kalra SP, et al. **Ann N Y Acad Sci** 1990;611:273–83 (59 ref.)

Hypothalamic neuropeptide Y in relation to energy balance. Leibowitz SF. **Ann N Y Acad Sci** 1990;611:284–301 (122 ref.)

Central receptors and recognition sites mediating the effects of monoamines and anorectic drugs on feeding behavior. Angel I. **Clin Neuropharmacol** 1990 Oct;13(5):361–91 (283 ref.)

Multiple cholecystokinin (CCK) receptors and CCK-monoamine interactions are instrumental in the control of feeding. Cooper SJ, et al. **Physiol Behav** 1990 Dec;48(6):849–57 (78 ref.)

Relationship between the concentration of cholecystokinin-like immunoreactivity in plasma and food intake in male rats. Lindén A, et al. **Physiol Behav** 1990 Dec;48(6):859–63 (45 ref.)

Nigral grafts in neonatal rats: protection from aphagia induced by subsequent adult 6-OHDA lesions. Rogers DC, et al. **Prog Brain Res** 1990;82:489–92 (19 ref.)

[Serotonin and eating disorders] Nutzinger DO, et al. **Nervenarzt** 1991 Mar;62(3):198–201 (35 ref.) **(Ger)**

FEEDING PATTERNS see **FEEDING BEHAVIOR**

FEELINGS see **EMOTIONS**

FEER'S DISEASE see **ACRODYNIA**

FEES, PHARMACEUTICAL

An overview of the use of anti-tuberculous drugs in Uganda and Hong Kong. Walubo A, et al. **J Clin Pharm Ther** 1991 Feb;16(1):63–7 (11 ref.)

Comparisons of the costs of psychotropic medications: an update. Jurman RJ, et al. **Psychiatr Med** 1991;9(2):349–59 (6 ref.)

FELINE ACQUIRED IMMUNODEFICIENCY SYNDROME

Feline immunodeficiency virus. Robinson WF, et al. **Aust Vet J** 1990 Aug;67(8):278–80 (23 ref.)

Recently described feline dermatoses. Medleau L. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1615–32 (78 ref.)

FELINE AIDS see **FELINE ACQUIRED IMMUNODEFICIENCY SYNDROME**

FELINE CALICIVIRUSES see **CALICIVIRIDAE**

FELINE IMMUNODEFICIENCY VIRUS

Feline immunodeficiency virus. Robinson WF, et al. **Aust Vet J** 1990 Aug;67(8):278–80 (23 ref.)

FELINE T-LYMPHOTROPIC LENTIVIRUS see **FELINE IMMUNODEFICIENCY VIRUS**

FELINE SYNCYTIUM-FORMING VIRUS see **SPUMAVIRINAE**

FELLOWSHIPS AND SCHOLARSHIPS

STANDARDS

Postgraduate medical fellowship training in alcoholism and drug abuse: national consensus standards. Galanter M, et al. **Am J Drug Alcohol Abuse** 1991;17(1):1–12 (7 ref.)

FELTY'S SYNDROME

[Felty's syndrome] Larsen MR, et al. **Ugeskr Laeger** 1991 Jul 8;153(28):1990–3 (30 ref.) (Eng. Abstr.) **(Dan)**

ETIOLOGY

[A case of autoimmune hepatitis developing simultaneously with exacerbation of Felty's syndrome] Kaise M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Sep;87(9):1893–6 (6 ref.) **(Jpn)**

FEMORAL ARTERY

Peripheral arterial occlusion in infants—a report of two cases treated conservatively. Pettenazzo A, et al. **J Vasc Surg** 1991 Aug;14(2):220–4 (20 ref.)

[Femoral angioplasty. Long-term results] Foucart H, et al. **J Mal Vasc** 1990;15(3):229–33 (0 ref.) (Eng. Abstr.) **(Fre)**

[Aneurysms of the femoral artery] Napolitano AM, et al. **G Chir** 1988 Jul–Aug;9(7–8):480–9 (16 ref.) (Eng. Abstr.) **(Ita)**

ABNORMALITIES

[Compressive thigh hematoma. Apropos of a case of fissured superficial femoral aneurysm in megadolicho-arteries. Review of the literature] Guégan H, et al. **J Chir (Paris)** 1991 May;128(5):247–50 (8 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Femoral-distal bypass with in situ greater saphenous vein. Long-term results using the Mills valvulotome. Donaldson MC, et al. **Ann Surg** 1991 May;213(5):457–64; discussion 464–5 (31 ref.)

Recurrent aortic graft infection following descending thoracic aorta to femoral artery bypass. A case report and review. Costantino MJ. **J Cardiovasc Surg (Torino)** 1991 Jul–Aug;32(4):477–81 (22 ref.)

ULTRASONOGRAPHY

[Ultrasonic diagnosis of arterial occlusive diseases of the pelvis and extremities] Zhane AK. **Khirurgiia (Mosk)** 1990 Dec;(12):151–4 (47 ref.) **(Rus)**

FEMORAL FRACTURES

COMPLICATIONS

Knee ligament injuries combined with ipsilateral tibial and femoral diaphyseal fractures: the "floating knee". van Raay JJ, et al. **Arch Orthop Trauma Surg** 1991;110(2):75–7 (17 ref.)

Ipsilateral fractures of femoral neck and shaft. Gill SS, et al. **J Orthop Trauma** 1990;4(3):293–8 (23 ref.)

Posttraumatic Aeromonas hydrophila osteomyelitis. Bonatus TJ, et al. **Orthopedics** 1990 Oct;13(10):1158–63 (31 ref.)

SURGERY

Supracondylar fractures of the femur. Newman JH. **Injury** 1990 Sep;21(5):280–2 (13 ref.)

FEMORAL HEAD PROSTHESIS see **HIP PROSTHESIS**

FEMORAL NECK FRACTURES

COMPLICATIONS

Ipsilateral fractures of femoral neck and shaft. Gill SS, et al. **J Orthop Trauma** 1990;4(3):293–8 (23 ref.)

ETIOLOGY

Pathological fractures and lytic bone lesion of the femoral neck associated with beta 2-microglobulin amyloid deposition in long-term dialysis patients. Scheumann GF, et al. **Arch Orthop Trauma Surg** 1991;110(2):93–7 (24 ref.)

SURGERY

Postsurgical care of elderly women with fractures of the proximal femur [see comments] Kennie DC, et al. **Br J Hosp Med** 1990 Aug;44(2):106–8, 110, 112–3 (51 ref.)
Comment in: Br J Hosp Med 1990 Nov;44(5):318.
Comment in: Br J Hosp Med 1990 Dec;44(6).384.

Developments in locked femoral nailing. Frederick D, et al. **Orthopedics** 1990 Oct;13(10):1141–5 (15 ref.)

[Basic considerations in fractures of the trochanter major in and after angle plate osteosynthesis] Ritter G, et al. **Unfallchirurgie** 1991 Apr;17(2):106–10 (7 ref.) (Eng. Abstr.) **(Ger)**

FEMORAL NEOPLASMS

DRUG THERAPY

Dactinomycin potentiation of radiation pneumonitis: a forgotten interaction. Cohen IJ, et al. **Pediatr Hematol Oncol** 1991 Apr–Jun;8(2):187–92 (20 ref.)

RADIOGRAPHY

[Metastatic localization in the buccal cavity. Case report and literature review] Chossegros C, et al. **Rev Stomatol Chir Maxillofac** 1991;92(3):160–4 (17 ref.) (Eng. Abstr.) **(Fre)**

SECONDARY

Bone metastasis associated with shunt-related peritoneal deposits from a pineal germinoma. Case report and review of the literature. Pallini R, et al. **Acta Neurochir (Wien)** 1991;109(1–2):78–83 (35 ref.)

THERAPY

Primary chemotherapy and delayed surgery for malignant fibrous histiocytoma of bone in the extremity. Bacci G, et al. **Tumori** 1990 Dec 31;76(6):537–42 (25 ref.)

FEMORAL NERVE

[Peripheral neuropathy in a sporadic case of cerebrotendinous xanthomatosis] Ben Hamida M, et al. **Rev Neurol (Paris)** 1991;147(5):385–8 (11 ref.) (Eng. Abstr.) **(Fre)**

FEMORAL VEIN

SURGERY

[Restorative-reconstructive surgery of the valve system of deep veins of the lower extremities] Sukovatykh BS, et al. **Vestn Khir** 1991 Jan;146(1):136–40 (31 ref.) **(Rus)**

TRANSPLANTATION

Combined hepatic and vena caval resection with autogenous caval graft replacement. Miller CM, et al. **Arch Surg** 1991 Jan;126(1):106–8 (8 ref.)

FEMUR

Patellofemoral pain. An arthroscopic perspective. Malek MM, et al. **Clin Sports Med** 1991 Jul;10(3):549–67 (54 ref.)

[Three-dimensional rigidity of the Ilizarov external fixator (original and modified) implanted at the femur. Experimental study and clinical deductions] Merloz P, et al. **Rev Chir Orthop** 1991;77(2):65–76 (26 ref.) (Eng. Abstr.) **(Fre)**

[Radiologic study of osteopenic syndromes. Between tradition and innovation] Cammisa M, et al. **Radiol Med (Torino)** 1990 Jul–Aug;80(1–2):1–8 (10 ref.) **(Ita)**

ABNORMALITIES

Proximal femoral focal deficiency: evaluation and management. Bryant DD 3d, et al. **Orthopedics** 1991 Jul; 14(7):775–84 (91 ref.)

GROWTH & DEVELOPMENT

[Characteristics of the development of the proximal end of the femur in conservative treatment of congenital hip dislocation (review of the literature)] Krasnov AI, et al. **Ortop Travmatol Protez** 1990 Sep;(9):74–8 (48 ref.) **(Rus)**

INJURIES

[Patellofemoral pain. Diagnosis and treatment] Engebretsen L, et al. **Tidsskr Nor Laegeforen** 1991 Jun 20; 111(16):1949–52 (67 ref.) (Eng. Abstr.) **(Nor)**

PATHOLOGY

[Diagnosis and treatments of instability of the patellofemoral joint] Kobayashi A. **Nippon Seikeigeka Gakkai Zasshi** 1990 Oct;64(10):993–1015 (74 ref.) **(Jpn)**

RADIOGRAPHY

Biomechanics of fracture risk prediction of the hip and spine by quantitative computed tomography. Hayes WC, et al. **Radiol Clin North Am** 1991 Jan;29(1):1–18 (94 ref.)

SURGERY

[Total hip prosthesis after high femoral osteotomy] Carret JP, et al. **Rev Chir Orthop** 1991;77(2):83–91 (16 ref.) (Eng. Abstr.) **(Fre)**

FEMUR HEAD

Slipped capital femoral epiphysis. Brenkel IJ, et al. **Br J Hosp Med** 1991 Mar;45(3):140–4 (24 ref.)

BLOOD SUPPLY

[Clinical and therapeutic concepts in ischemic femur head necrosis] Solomon L. **Orthopade** 1990 Aug;19(4):200–7 (28 ref.) (Eng. Abstr.) **(Ger)**

INJURIES

The aging hip. St. Louis University Geriatric Grand Rounds [clinical conference] Pierron RL, et al. **J Am Geriatr Soc** 1990 Dec;38(12):1339–52 (109 ref.)

[Vital prognosis in fractures of the proximal femur. Study in 506 patients of 60 years of age and over] Czernichow P, et al. **Rev Chir Orthop** 1990;76(3):161–9 (20 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Arthrosis can be caused by growth of the articular head] Hulth A. **Lakartidningen** 1991 May 1;88(18):1696–9 (33 ref.) **(Swe)**

PHYSIOLOGY

[Stress on the coxal end of the femur during loading in the hip joint flexion posture] Savvidis E. **Aktuel Probl Chir Orthop** 1990;39:1–56 (63 ref.) **(Ger)**

SURGERY

[Role of core decompression as treatment method for ischemic femur head necrosis] Hungerford DS. **Orthopade** 1990 Aug;19(4):219–23 (31 ref.) (Eng. Abstr.) **(Ger)**

FEMUR HEAD NECROSIS

CHEMICALLY INDUCED

[Osteonecrosis following short-term, high-dosage steroid therapy] Grossmann S, et al. **Schweiz Med Wochenschr** 1991 May 4;121(18):635–41 (43 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSIS

[Traumatic hip dislocation during the years of growth. A review of the literature] Rieger H, et al. **Zentralbl Chir** 1991;116(3):155–63 (33 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Femoral head necrosis in hip dislocation and its prognosis (a literature review)] Sylkin NN. **Z Orthop** 1990 Nov–Dec; 128(6):584–91 (86 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Clinical and therapeutic concepts in ischemic femur head necrosis] Solomon L. **Orthopade** 1990 Aug;19(4):200–7 (28 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Bipolar versus total hip arthroplasty for avascular necrosis of the femoral head. A comparison. Cabanela ME. **Clin Orthop** 1990 Dec;(261):59–62 (7 ref.)

[Role of core decompression as treatment method for ischemic femur head necrosis] Hungerford DS. **Orthopade** 1990 Aug;19(4):219–23 (31 ref.) (Eng. Abstr.) **(Ger)**

FENFLURAMINE

THERAPEUTIC USE

Dexfenfluramine [editorial] **Lancet** 1991 Jun 1; 337(8753):1315–6 (13 ref.)

[Regulation of food intake and the treatment of obesity using centrally-active serotonergic drugs] Pijl H, et al. **Ned Tijdschr Geneeskd** 1991 Apr 20;135(16):700–3 (42 ref.) **(Dut)**

FENITOIN see **PHENYTOIN**

FENOFIBRATE see **PROCETOFEN**

FEP see **POLYTETRAFLUOROETHYLENE**

FERMENTATION

Roles for replicative deactivation in yeast-ethanol fermentations. Jones RP. **Crit Rev Biotechnol** 1990; 10(3):205–22 (146 ref.)

Antagonistic activities of lactic acid bacteria in food and feed fermentations. Lindgren SE, et al. **FEMS Microbiol Rev** 1990 Sep;7(1–2):149–63 (145 ref.)

Applications for biotechnology: present and future improvements in lactic acid bacteria. McKay LL, et al. **FEMS Microbiol Rev** 1990 Sep;7(1–2):3–14 (91 ref.)

Emerging applications of the methylotrophic yeasts. Wegner GH. **FEMS Microbiol Rev** 1990 Dec;7(3–4):279–83 (22 ref.)

PHYSIOLOGY

Clinical significance of colonic fermentation. Royall D, et al. **Am J Gastroenterol** 1990 Oct;85(10):1307–12 (69 ref.)

FERREDOXIN-NADP REDUCTASE

METABOLISM

Ferredoxin-dependent chloroplast enzymes. Knaff DB, et al. **Biochim Biophys Acta** 1991 Jan 22;1056(2):93–125 (337 ref.)

FERREDOXINS

ANALYSIS

The distribution of soluble metallo-redox proteins in purple phototrophic bacteria. Bartsch RG. **Biochim Biophys Acta** 1991 May 23;1058(1):28–30 (28 ref.)

METABOLISM

Ferredoxin-dependent chloroplast enzymes. Knaff DB, et al. **Biochim Biophys Acta** 1991 Jan 22;1056(2):93–125 (337 ref.)

FERRIC COMPOUNDS

ADMINISTRATION & DOSAGE

[The current status of and outlook for the use of suspensions of magnetic particles in oncology] Mavrichev AS, et al. **Vopr Onkol** 1991;37(1):11–7 (32 ref.) **(Rus)**

METABOLISM

Dissimilatory Fe(III) and Mn(IV) reduction. Lovley DR. **Microbiol Rev** 1991 Jun;55(2):259–87 (342 ref.)

FERRICYTOCHROME C see **CYTOCHROME C**

FERRIHEMOPROTEIN P-450 REDUCTASE see **NADPH CYTOCHROME C REDUCTASE**

FERRITIN

Ferritin. Worwood M. **Blood Rev** 1990 Dec;4(4):259–69 (108 ref.)

BLOOD

Further considerations on erythroblastic endocytosis and exocytosis. 1. Arguments in favor of the concept that visualized ferritin is ferritin undergoing endocytosis rather than excretion in erythroblasts. Breton-Gorius J. **Blood Cells** 1991;17(1):153–5 (16 ref.)

The erythroblastic island: exocytosis of erythroblast ferritin during erythropoiesis. Pollycove M. **Blood Cells** 1991; 17(1):147–53 (19 ref.)

CHEMISTRY

Bacterial 4-alpha-helical bundle cytochromes. Moore GR. **Biochim Biophys Acta** 1991 May 23;1058(1):38–41 (51 ref.)

GENETICS

Iron regulation of ferritin gene expression. Munro HN. **J Cell Biochem** 1990 Oct;44(2):107–15 (26 ref.)

IMMUNOLOGY

The theoretical implications and experimental and clinical results of radiolabeled antiferritin. Order SE. **Acta Oncol** 1990;29(6):689–94 (46 ref.)

METABOLISM

Ferritin, lipid peroxidation and redox-cycling xenobiotics. Winterbourn CC, et al. **Free Radic Res Commun** 1991;12–13 Pt 1:107–14 (26 ref.)

THERAPEUTIC USE

[Evaluation of the effectiveness of gastro-protected proteoferrin in the therapy of sideropenic anemia in childhood] Burattini MG, et al. **Minerva Pediatr** 1990 Sep; 42(9):343–7 (24 ref.) (Eng. Abstr.) **(Ita)**

FERROCYTOCHROME C see **CYTOCHROME C**

FERROPROTOPORPHYRIN see **HEME**

FERROUS COMPOUNDS

METABOLISM

Metal ion–catalyzed oxidation of proteins: biochemical mechanism and biological consequences [published erratum appears in Free Radic Biol Med 1991;10(3–4):249] Stadtman ER. **Free Radic Biol Med** 1990;9(4):315–25 (113 ref.)

FERTILITY

The embryo comes of age: the first decade of the Fertility Society of Australia. Johnston I, et al. **Aust N Z J Obstet Gynaecol** 1991 Feb;31(1):55–7 (2 ref.)

Fertility-sparing treatment of patients with ovarian cancer. DiSaia PJ. **Compr Ther** 1990 Nov;16(11):35–42 (17 ref.)

Fertility after contraception or abortion. Huggins GR, et al. **Fertil Steril** 1990 Oct;54(4):559–73 (109 ref.)

Feed restriction of turkey breeder hens—a review. Hester PY, et al. **Poult Sci** 1990 Sep;69(9):1439–46 (22 ref.)

[Current status of reproduction control in France] Leridon H. **Reprod Nutr Dev** 1990;Suppl 1:1s–8s (2 ref.) (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Effects of chemotherapy on fertility. Barton C, et al. **Blood Rev** 1990 Sep;4(3):187–95 (127 ref.)

Contraception—a look forward, Part III: Inhibin and brain-enhanced estrogen delivery. Woolley RJ. **J Am Board Fam Pract** 1991 May–Jun;4(3):159–66 (29 ref.)

Reproductive potential in survivors of childhood malignancy. Levy MJ, et al. **Pediatrician** 1991;18(1):61–70 (70 ref.)

Fertility and pregnancy after malignancy. Byrne J. **Semin Perinatol** 1990 Oct;14(5):423–9 (37 ref.)

IMMUNOLOGY

Immunological approaches for manipulation of animal growth, body composition and fecundity. Flint DJ. **Biotechnol Genet Eng Rev** 1990;8:97–131 (176 ref.)

[In search of a vaccine for fertility control] Madrigal JA, et al. **Ginecol Obstet Mex** 1988 Jan;56:13–9 (26 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Histology of the fertile and infertile testis. Wheeler JE. **Monogr Pathol** 1991;(33):56–103 (220 ref.)

The contraceptive needs of midlife women. Jarrett ME, et al. **Nurse Pract** 1990 Dec;15(12):34–9 (45 ref.)

Identifying the fertile phase of the human menstrual cycle. Royston P. **Stat Med** 1991 Feb;10(2):221–40 (19 ref.)

Nutrition and reproduction in dairy cows. Ferguson JD. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):483–507 (70 ref.)

[Methods for studying the sperm fertilizing capacity] Alnot MO. **Ann Biol Clin (Paris)** 1990;48(9):617–22 (30 ref.) (Eng. Abstr.) **(Fre)**

RADIATION EFFECTS

Reproductive potential in survivors of childhood malignancy. Levy MJ, et al. **Pediatrician** 1991;18(1):61–70 (70 ref.)

Fertility and pregnancy after malignancy. Byrne J. **Semin Perinatol** 1990 Oct;14(5):423–9 (37 ref.)

FERTILITY AGENTS, FEMALE

PHARMACOLOGY

Endocrine monitoring for assisted human conception. Howles CM, et al. **Br Med Bull** 1990 Jul;46(3):616–27 (45 ref.)

FERTILIZATION

see related

GAMETE INTRAFALLOPIAN TRANSFER

Ovothiols: biological and chemical perspectives. Shapiro BM, et al. **Adv Enzymol Relat Areas Mol Biol** 1991;64:291–316 (61 ref.)

Synergistic effect of growth hormone and gonadotropins in achieving conception in "clonidine-negative" patients with unexplained infertility. Blumenfeld Z, et al. **Ann N Y Acad Sci** 1991;626:250–65 (51 ref.)

The fate of sperm specific non-histone chromosomal proteins after fertilization in sea urchins. Imschenetzky M, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):241–5 (21 ref.)

Translational control during early development. Richter JD. **Bioessays** 1991 Apr;13(4):179–83 (34 ref.)

Repetitive calcium transients in hamster oocytes. Miyazaki S. **Cell Calcium** 1991 Feb–Mar;12(2–3):205–16 (43 ref.)

Preconception care. Jack BW, et al. **J Fam Pract** 1991 Mar; 32(3):306–15 (88 ref.)

Oviduct function in pigs, with particular reference to the pathological condition of polyspermy. Hunter RH. **Mol Reprod Dev** 1991 Aug;29(4):385–91 (57 ref.)

[The fertilization potential of sperm] Grillo JM. **J Gynecol Obstet Biol Reprod (Paris)** 1991;20(1):19–25 (44 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Hormonal actions during oocyte maturation influence fertilization and early embryonic development. Armstrong DT, et al. **Ann N Y Acad Sci** 1991;626:137–58 (68 ref.)

Comparative aspects of conceptus signals for maternal recognition of pregnancy. Bazer FW, et al. **Ann N Y Acad Sci** 1991;622:202–11 (65 ref.)

The endocrinology of conception. Jacobs HS, et al. **Baillieres Clin Endocrinol Metab** 1990 Jun;4(2):195–205 (33 ref.)

Adhesion and signalling during fertilization in multicellular and unicellular organisms. Snell WJ. **Curr Opin Cell Biol** 1990 Oct;2(5):821–32 (40 ref.)

Ultrastructural studies on the fertilization of mammalian gametes. Oura C, et al. **Int Rev Cytol** 1990;122:105–51 (303 ref.)

Current concepts in gamete receptors for fertilization in mammals. Sidhu KS, et al. **Int Rev Cytol** 1991;127:253–88 (220 ref.)

Cortical granules and the cortical reaction in mammals. Cran DG, et al. **J Reprod Fertil Suppl** 1990;42:177–88 (74 ref.)

Second messengers at fertilization in sea-urchin eggs. Swann K, et al. **J Reprod Fertil Suppl** 1990;42:141–53 (85 ref.)

Cell cycle control proteins are second messenger targets at fertilization in sea-urchin eggs. Whitaker MJ. **J Reprod Fertil Suppl** 1990;42:199–204 (49 ref.)

Pathobiology of fertilization, embryonic cleavage, and implantation. Damjanov I. **Monogr Pathol** 1991;(33):32–55 (130 ref.)

The zona pellucida genes encode essential proteins for mammalian fertilization and early embryogenesis. Dean J. **Proc Soc Exp Biol Med** 1991 Feb;196(2):141–6 (24 ref.)

[The long-term storage of spermatozoa and its role in vertebrate fertilization] Maksudov Glu. **Biol Nauki** 1991; (2):57–64 (22 ref.) (Eng. Abstr.) **(Rus)**

[Several new concepts on the terminal mechanism of mammal fertilization] Reyes A, et al. **Ginecol Obstet Mex** 1990 Oct; 58:292–9 (40 ref.) (Eng. Abstr.) **(Spa)**

[New concepts about the terminal mechanism of fertilization in mammals] Reyes A, et al. **Ginecol Obstet Mex** 1990 Oct; 58:292–9 (40 ref.) (Eng. Abstr.) **(Spa)**

FERTILIZATION, DELAYED see **FERTILIZATION**

FERTILIZATION IN VITRO

The endometrium in human assisted reproduction. Cittadini E, et al. **Ann N Y Acad Sci** 1991;622:230–5 (16 ref.)

Induction of ovulation for IVF and its effect on the luteal phase. Doyle MB, et al. **Ann N Y Acad Sci** 1991;626:217–27 (37 ref.)

A consideration of the factors which influence and control the viability and developmental potential of the preimplantation embryo. O'Neill C. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):159–78 (59 ref.)

Intravaginal culture: present and potential uses. Hewitt J. **Br J Hosp Med** 1990 Sep;44(3):182, 184–5, 188 (16 ref.)

Ovarian necrotizing vasculitis causing major intra-abdominal haemorrhage after IVF. Case report and literature review. Ilbery M, et al. **Br J Obstet Gynaecol** 1991 Jun;98(6):596–9 (17 ref.)

Outcome of pregnancies resulting from assisted conception. Beral V, et al. **Br Med Bull** 1990 Jul;46(3):753–68 (22 ref.)

Future developments in IVF. Edwards RG, et al. **Br Med Bull** 1990 Jul;46(3):823–41 (112 ref.)

Induction of multiple follicular development for IVF. Fleming R, et al. **Br Med Bull** 1990 Jul;46(3):596–615 (45 ref.)

Oocyte maturation, fertilization and embryonic growth in vitro. Plachot M, et al. **Br Med Bull** 1990 Jul;46(3):675–94 (48 ref.)

Cryopreservation. Trounson AO. **Br Med Bull** 1990 Jul; 46(3):695–708 (47 ref.)

Fertilization and implantation. Boyers SP. **Curr Opin Obstet Gynecol** 1989 Oct;1(1):45–54 (33 ref.)

Ethical and moral issues and government legislation. Hightower MD, et al. **Curr Opin Obstet Gynecol** 1989 Oct; 1(1):80–6 (8 ref.)

Freezing techniques and results. Muasher SJ. **Curr Opin Obstet Gynecol** 1989 Oct;1(1):67–72 (17 ref.)

Male factor and in vitro fertilization. Vande Voort CA, et al. **Curr Opin Obstet Gynecol** 1989 Oct;1(1):60–6 (16 ref.)

Early miscarriage and fetal malformations after induction of ovulation (by clomiphene citrate and/or human menotropins), in vitro fertilization, and gamete intrafallopian transfer. Shoham Z, et al. **Fertil Steril** 1991 Jan;55(1):1–11 (88 ref.)

In vitro fertilization in nonhuman primates. Dukelow WR, et al. **J Med Primatol** 1990;19(7):627–39 (57 ref.)

In vitro fertilization–embryo transfer in nonhuman primates: the technique and its applications. Wolf DP, et al. **Mol Reprod Dev** 1990 Nov;27(3):261–80 (153 ref.)

In vitro fertilization in cattle: a review. Greve T, et al. **Reprod Nutr Dev** 1991;31(2):147–57 (116 ref.)

Current trends in human IVF and other assisted reproductive technologies. Kim MH. **Yonsei Med J** 1990 Jun;31(2):91–7 (57 ref.)

[Medical aspects of diagnosis before implantation] Boué A. **Reprod Nutr Dev** 1990;Suppl 1:133s–137s (6 ref.) (Eng. Abstr.) **(Fre)**

[Indications for and results of in-vitro fertilization (IVF), intratubal gamete- (GIFT) and embryo transfer (EIFT)] Diedrich K, et al. **Gynakologe** 1990 Aug;23(4):186–95 (33 ref.) **(Ger)**

[The hyperstimulation syndrome] Kleinstein J. **Gynakologe** 1991 Jun;24(3):130–5 (24 ref.) **(Ger)**

[Assisted fertilization in involuntary sterility. A consensus panel: we have considered the facts presented by the experts] Larsson A, et al. **Lakartidningen** 1990 Dec 5; 87(49):4176–7 (0 ref.) **(Swe)**

METHODS

Micro-insemination: genetic aspects. Ng SC, et al. **Arch Androl** 1990;25(3):261–70 (49 ref.)

Programming ovulation. Frydman R. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):535–40 (20 ref.)

Induction of ovulation for assisted reproduction programmes. Oehninger S, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):541–73 (90 ref.)

Implantation failure: clinical aspects. Yovich J, et al. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):211–52 (114 ref.)

Clinical aspects and techniques of in vitro fertilization. Marrs RP. **Curr Opin Obstet Gynecol** 1989 Oct;1(1):87–90 (11 ref.)

Co-cultures: their relevance to assisted reproduction. Bongso A, et al. **Hum Reprod** 1990 Nov;5(8):893–900 (58 ref.)

Genomic imprinting: a gene regulatory phenomenon with important implications for micromanipulation–assisted in vitro fertilization (IVF). Gordon JW, et al. **J In Vitro Fert Embryo Transf** 1991 Feb;8(1):5–14 (51 ref.)

Normal pregnancy outcome after early maternal exposure to gonadotropin releasing hormone agonist. A case report. Ghazi DM, et al. **J Reprod Med** 1991 Mar;36(3):173–4 (9 ref.)

Micromanipulation of gametes for in vitro assisted fertilization. Iritani A. **Mol Reprod Dev** 1991 Feb; 28(2):199–207 (64 ref.)

[Criteria of the maturity of follicle and oocyte within the scope of in vitro fertilization. An overview] Urdl W. **Wien Med Wochenschr** 1991;141(1–2):2–9 (55 ref.) (Eng. Abstr.) **(Ger)**

FERTILIZATION, POLYSPERMIC see **FERTILIZATION**

FERTILIZED OVUM see **ZYGOTE**

FERTILIZERS

ADVERSE EFFECTS

[Industrial factors in the production and processing of potash fertilizers and their effect on the body (review of the literature)] Khodykina TM. **Gig Tr Prof Zabol** 1990; (8):42–6 (56 ref.) **(Rus)**

FETAL ALCOHOL SYNDROME

Clinical implications of recent research on the fetal alcohol syndrome. Russell M. **Bull N Y Acad Med** 1991 May–Jun; 67(3):207–22 (69 ref.)

Fetal alcohol syndrome: review of the literature and case report. Nelson JA, et al. **N Y State Dent J** 1990 Dec; 56(10):24–7 (20 ref.)

[Guilty before being born] Bayés García R, et al. **An Esp Pediatr** 1990 Oct;33 Suppl 41:29–36 (58 ref.) **(Spa)**

DIAGNOSIS

New approaches to research on the long-term consequences of prenatal exposure to alcohol. West JR, et al. **Alcohol Clin Exp Res** 1990 Oct;14(5):684–9 (64 ref.)

[Alcohol embryopathy. Review and case example] Muntau AC, et al. **Fortschr Med** 1990 Aug 10;108(23):443–7 (30 ref.) (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

A hypothetical mechanism for fetal alcohol syndrome involving ethanol inhibition of retinoic acid synthesis at the alcohol dehydrogenase step. Duester G. **Alcohol Clin Exp Res** 1991 Jun;15(3):568–72 (64 ref.)

EPIDEMIOLOGY

A revised conservative estimate of the incidence of FAS and its economic impact. Abel EL, et al. **Alcohol Clin Exp Res** 1991 Jun;15(3):514–24 (85 ref.)

ETIOLOGY

Inhibition of retinoic acid synthesis and its implications in fetal alcohol syndrome [editorial] Keir WJ. **Alcohol Clin Exp Res** 1991 Jun;15(3):560–4 (73 ref.)

Fetal alcohol syndrome: current status of pathogenesis. Schenker S, et al. **Alcohol Clin Exp Res** 1990 Oct; 14(5):635–47 (177 ref.)

Alcohol use during pregnancy: what is the risk? Alpert JJ, et al. **Pediatr Rev** 1991 Jun;12(12):375–9; discussion 380–1 (38 ref.)
Alcohol—risk factor in prenatal pathology (alcohol embryo- and fetopathy). Sandor S, et al. **Sante Publique (Bucur)** 1990 Jan–Mar;33(1):69–76 (39 ref.)
[Ethanol: current theories on its toxic effect with special reference to the effect on the central nervous system of adult mammals and during individual development] Felińska W, et al. **Postepy Hig Med Dosw** 1990; 44(1–3):113–37 (165 ref.) (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Maternal and paternal alcohol use: effects on the immune system of the offspring. Gottesfeld Z, et al. **Life Sci** 1991; 48(1):1–8 (58 ref.)

METABOLISM

The metabolic basis of the fetal alcohol syndrome. Luke B. **Int J Fertil** 1990 Nov–Dec;35(6):333–7 (38 ref.)

PATHOLOGY

Cell population depletion associated with fetal alcohol brain damage: mechanisms of BAC-dependent cell loss. West JR, et al. **Alcohol Clin Exp Res** 1990 Dec;14(6):813–8 (44 ref.)

PHYSIOPATHOLOGY

Fetal alcohol exposure: cellular toxicity and molecular events involved in toxicity. Michaelis EK.
Alcohol Clin Exp Res 1990 Dec;14(6):819–26 (59 ref.)
Perspectives on the pathophysiology of fetal alcohol syndrome. Randall CL, et al. **Alcohol Clin Exp Res** 1990 Dec;14(6):807–12 (57 ref.)
The effects of stress during the brain growth spurt. Burns EM. **Annu Rev Nurs Res** 1990;8:57–82 (92 ref.)

PSYCHOLOGY

The long-term behavioral effects of prenatal alcohol exposure in rats. Riley EP. **Alcohol Clin Exp Res** 1990 Oct; 14(5):670–3 (32 ref.)
Annotation: children of alcoholics. von Knorring AL.
J Child Psychol Psychiatry 1991 Mar;32(3):411–21 (60 ref.)

FETAL ANOXIA

see related
ASPHYXIA NEONATORUM

COMPLICATIONS

Mechanisms of asphyxial brain damage, and possible pharmacologic interventions, in the fetus. Espinoza MI, et al. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 1):1582–9; discussion 1589–91 (26 ref.)
Fetal response to intrauterine stress. Thornburg KL.
Ciba Found Symp 1991;156:17–29; discussion 29–37 (32 ref.)

PHYSIOPATHOLOGY

Cerebrovascular regulation and neonatal brain injury. Del Toro J, et al. **Pediatr Neurol** 1991 Jan–Feb;7(1):3–12 (104 ref.)
[Fetal hypoxia: hormonal and cardiovascular response] Parer J. **Rev Chil Obstet Ginecol** 1988;53(5):310–3 (0 ref.) **(Spa)**

SURGERY

[Cesarean section in pre-term pregnancy] Abramchenko VV, et al. **Akush Ginekol (Mosk)** 1991 Apr;(4):3–5 (25 ref.) **(Rus)**

THERAPY

[Pathogenesis of damaging effects of hyperoxia during early ontogenesis] Garmasheva NL, et al.
Akush Ginekol (Mosk) 1990 Jul;(7):6–9 (41 ref.) **(Rus)**

FETAL BLOOD

Plasma cholesterol and lipoprotein levels during fetal development and infancy. Carlson SE.
Ann N Y Acad Sci 1991;623:81–9 (41 ref.)
Access to the fetus. Daffos F. **Nouv Rev Fr Hematol** 1990; 32(6):431–3 (6 ref.)
Prenatal diagnosis using fetal cells in the maternal circulation. Chueh J, et al. **Semin Perinatol** 1990 Dec;14(6):471–82 (28 ref.)
Percutaneous umbilical blood sampling, fetal skin sampling, and fetal liver biopsy. Shulman LP, et al.
Semin Perinatol 1990 Dec;14(6):456–64 (52 ref.)

CHEMISTRY

Fetal blood sampling. Craparo FJ, et al.
Curr Opin Obstet Gynecol 1990 Apr;2(2):265–7 (14 ref.)

METABOLISM

[Fetal hemoglobin] Rokicka-Piotrowicz M.
Postepy Hig Med Dosw 1989;43(5–6):475–97 (103 ref.) (Eng. Abstr.) **(Pol)**

FETAL CIRCULATION, PERSISTENT see **PERSISTENT FETAL CIRCULATION SYNDROME**

FETAL DEATH

Urinary oestriol assay for monitoring fetoplacental function. Beischer N, et al. **Aust N Z J Obstet Gynaecol** 1991 Feb; 31(1):1–8 (11 ref.)
Perinatal bereavement. Wathen NC.
Br J Obstet Gynaecol 1990 Sep;97(9):759–61 (10 ref.)
Antenatal fetal death in twin pregnancies: a dangerous condition mainly for the surviving co-twin; a report of four cases. Van den Veyver IB, et al.
Eur J Obstet Gynecol Reprod Biol 1991 Jan 4;38(1):69–73 (31 ref.)
Role of necropsy at neonatal and infantile ages. Bosman C, et al. **IARC Sci Publ** 1991;(112):163–75 (22 ref.)
[The vanishing fetus] Goldman GA, et al. **Harefuah** 1991 Apr 15;120(8):474–6 (13 ref.) **(Heb)**
[Smoking effects on pregnancy] Aleixo Neto A.
Rev Saude Publica 1990 Oct;24(5):420–4 (19 ref.) (Eng. Abstr.) **(Por)**

CHEMICALLY INDUCED

Fetal and neonatal effects of treatment with angiotensin-converting enzyme inhibitors in pregnancy. Hanssens M, et al. **Obstet Gynecol** 1991 Jul;78(1):128–35 (34 ref.)
Developmental toxicity and safety evaluations of ribavirin. Johnson EM. **Pediatr Infect Dis J** 1990 Sep;9(9 Suppl):S85–7 (4 ref.)
[Hygienic significance of late effects of chemical substances and their standardization (review of the literature)] Riazanova RA. **Gig Sanit** 1990 Nov;(11):72–5 (34 ref.) **(Rus)**
[Toxic properties of acrylamide (review of the literature)] Sheftel' VO. **Gig Sanit** 1990 Aug;(8):48–50 (31 ref.) **(Rus)**

COMPLICATIONS

Antiphospholipid antibody syndrome: immunologic and clinical aspects. Sammaritano LR, et al.
Semin Arthritis Rheum 1990 Oct;20(2):81–96 (206 ref.)

DIAGNOSIS

Diagnostic approach to stillbirths. Mehta L, et al.
Indian J Pediatr 1990 Sep–Oct;57(5):601–5 (18 ref.)

EPIDEMIOLOGY

Five-decade international trends in the relation of perinatal mortality and congenital malformations: stillbirth and neonatal death compared. Kalter H. **Int J Epidemiol** 1991 Mar;20(1):173–9 (45 ref.)

ETIOLOGY

A protocol for the investigation of pregnancy loss. Curry CJ, et al. **Clin Perinatol** 1990 Sep;17(3):723–42 (62 ref.)
Death due to high-output cardiac failure in fetal sacrococcygeal teratoma. Bond SJ, et al. **J Pediatr Surg** 1990 Dec;25(12):1287–91 (14 ref.)
The role of chromosome abnormalities in reproductive failure. Jacobs PA. **Reprod Nutr Dev** 1990;Suppl 1:63s–74s (16 ref.)
Genital infections and reproductive health: infertility and morbidity of mother and child in developing countries. Bergström S. **Scand J Infect Dis Suppl** 1990;69:99–105 (48 ref.)

MICROBIOLOGY

Erythema infectiosum and pregnancy-related complications [see comments] Levy M, et al. **Can Med Assoc J** 1990 Nov 1;143(9):849–58 (132 ref.) Comment in: Can Med Assoc J 1991 Jan 15;144(2):122.

FETAL DEVELOPMENT

Fetal growth in late gestation—a constrained pattern of growth. Gluckman PD, et al.
Acta Paediatr Scand Suppl 1990;367:105–10 (33 ref.)
Plasma cholesterol and lipoprotein levels during fetal development and infancy. Carlson SE.
Ann N Y Acad Sci 1991;623:81–9 (41 ref.)
Molecular aspects of the ontogeny of pituitary and gonadal function. Huhtaniemi IT, et al. **Ann N Y Acad Sci** 1991; 626:62–72 (29 ref.)
Translational control during early development. Richter JD. **Bioessays** 1991 Apr;13(4):179–83 (34 ref.)
Cerebral dysplasias as expressions of altered maturational processes. Sarnat HB. **Can J Neurol Sci** 1991 May; 18(2):196–204 (60 ref.)
Retinoids, homeoboxes, and growth factors: toward molecular models for limb development. Tabin CJ. **Cell** 1991 Jul 26;66(2):199–217 (165 ref.)
Role of cell-matrix contacts in cell migration and epithelial-mesenchymal transformation. Hay ED.
Cell Differ Dev 1990 Dec 2;32(3):367–75 (40 ref.)
The development of handedness in left/right asymmetry. Brown NA, et al. **Development** 1990 May;109(1):1–9 (51 ref.)
Exercise and fetal health. Clapp JF 3d. **J Dev Physiol** 1991 Jan;15(1):9–14 (34 ref.)
Zygotes, souls, substances, and persons. Bole TJ 3d.
J Med Philos 1990 Dec;15(6):637–52 (11 ref.)
Hydatidiform moles and teratomas confirm the human identity of the preimplantation embryo. Suarez A.
J Med Philos 1990 Dec;15(6):627–35 (15 ref.)
The foetal and infant origins of inequalities in health in Britain. Barker DJ. **J Public Health Med** 1991 May; 13(2):64–8 (19 ref.)
Environmental noise and fetal hearing [published erratum appears in J Tenn Med Assoc 1991 Mar;84(3):146] Thurston FE, et al. **J Tenn Med Assoc** 1991 Jan;84(1):9–12 (24 ref.)
Cell lineage and differentiation during growth of the early mammalian embryo. Gardner RL. **Proc Nutr Soc** 1990 Jul; 49(2):269–79 (64 ref.)
Neuronal development in human prefrontal cortex in prenatal and postnatal stages. Mrzljak L, et al. **Prog Brain Res** 1990; 85:185–222 (156 ref.)
Whole embryo culture, teratogenesis, and the estimation of teratologic risk. New DA. **Teratology** 1990 Dec; 42(6):635–42 (36 ref.)
[Current aspects in the study of the embryology and functional morphology of the human placenta] Chernev T, et al. **Akush Ginekol (Sofiia)** 1990;29(6):61–7 (0 ref.) **(Bul)**
[Homeotic genes] Lepesant JA. **Reprod Nutr Dev** 1990;Suppl 1:9s–26s (73 ref.) (Eng. Abstr.) **(Fre)**
[Pathology of the placenta. III. Maturation disorders of the placenta] Emmrich P. **Zentralbl Allg Pathol** 1990; 136(7–8):643–56 (25 ref.) (Eng. Abstr.) **(Ger)**
[Fetal growth rate and its variations 1988/89] Papp C, et al. **Orv Hetil** 1991 Aug 25;132(34):1865–6, 1869–70 (27 ref.) (Eng. Abstr.) **(Hun)**

DRUG EFFECTS

Effects of antiepileptic drugs on the developing central nervous system. Ransom BR, et al. **Adv Neurol** 1991; 55:225–37 (57 ref.)
Neurobehavioral changes produced by developmental exposure to benzodiazepines. De Salvia MA, et al.
Dev Pharmacol Ther 1990;15(3–4):173–7 (28 ref.)
Micronutrients and drug response: vitamin A and vitamin E in the fetus and in the newborn. Gorodischer R.
Dev Pharmacol Ther 1990;15(3–4):166–72 (30 ref.)
Effects of organochlorine chemicals on the reproductive outcome of humans who consumed contaminated Great Lakes fish: an epidemiologic consideration. Swain WR.
J Toxicol Environ Health 1991 Aug;33(4):587–639 (89 ref.)
Cocaine effects on fetal development: a comparison of clinical and animal research findings. Dow-Edwards DL.
Neurotoxicol Teratol 1991 May–Jun;13(3):347–52 (42 ref.)
Developmental toxicity and safety evaluations of ribavirin. Johnson EM. **Pediatr Infect Dis J** 1990 Sep;9(9 Suppl):S85–7 (4 ref.)

GENETICS

Sex chromosome expression in embryonic development. Epstein CJ. **Differentiation** 1983;23 Suppl:S31–4 (34 ref.)
POU-domain transcription factors: pou-er-ful developmental regulators. Rosenfeld MG. **Genes Dev** 1991 Jun;5(6):897–907 (84 ref.)
Influence of genome imprinting on gene expression, phenotypic variations and development. Surani MA.
Hum Reprod 1991 Jan;6(1):45–51 (52 ref.)
The contents of proteins, carbohydrates, lipids and DNA during the embryogenesis of Drosophila. Medina M, et al.
Int J Dev Biol 1989 Sep;33(3):403–5 (14 ref.)
Genomic imprinting and nuclear totipotency during embryonic development. Howlett SK. **Int Rev Cytol** 1991; 127:175–92 (76 ref.)
A molecular approach to the problem of positional information in eggs and early embryos. Holliday R.
New Biol 1989 Dec;1(3):337–43 (40 ref.)
Mouse versions of fly developmental control genes: legitimate or illegitimate relatives? Lobe CG, et al.
New Biol 1989 Oct;1(1):9–18 (65 ref.)
Receptor tyrosine kinases: genetic evidence for their role in Drosophila and mouse development. Pawson T, et al.
Trends Genet 1990 Nov;6(11):350–6 (39 ref.)
[Hereditary memory: genomic imprinting and its importance for embryonal development and carcinogenesis] Ohlsson R, et al. **Lakartidningen** 1991 Mar 20;88(12):1087–90 (14 ref.) (Eng. Abstr.) **(Swe)**

IMMUNOLOGY

Perinatal environmental factors influencing the development of allergy. Björkstén B, et al. **Clin Exp Allergy** 1990 Sep; 20 Suppl 3:3–8 (64 ref.)

PHYSIOLOGY

Cell adhesion molecules and the regulation of development. Cunningham BA. **Am J Obstet Gynecol** 1991 Apr; 164(4):939–48 (139 ref.)
On the possible role of endogenous lectins in early animal development. Zalik SE. **Anat Embryol (Berl)** 1991; 183(6):521–36 (216 ref.)
Hormonal actions during oocyte maturation influence fertilization and early embryonic development. Armstrong DT, et al. **Ann N Y Acad Sci** 1991;626:137–58 (68 ref.)
Peptide growth factors and proto-oncogenes in mammalian

conceptus development. Simmen FA, et al. **Biol Reprod** 1991 Jan;44(1):1–5 (60 ref.)
Nutritional correlates of fetal growth. Warshaw JB. **Dev Pharmacol Ther** 1990;15(3–4):153–8 (13 ref.)
Insulin and insulin-like growth factor I in early development: peptides, receptors and biological events. de Pablo F, et al. **Endocr Rev** 1990 Nov;11(4):558–77 (175 ref.)
Development of human fetal behavior: a review. Pillai M, et al. **Fetal Diagn Ther** 1990;5(1):15–32 (129 ref.)
Modes of cell migration in the vertebrate embryo. Levi G, et al. **Int Rev Cytol** 1990;123:201–52 (357 ref.)
Adhesion molecules (N-CAM and tenascin) in embryonic development and tissue regeneration. Chuong CM. **J Craniofac Genet Dev Biol** 1990;10(2):147–61 (92 ref.)
Mechanism of homeostatic regulation of tissue growth and reversion of transformed cells to nonmalignancy: a yin-yang problem. Chany C. **J Interferon Res** 1990 Oct; 10(5):453–9 (38 ref.)
The biophysical profile. A literature review and reassessments of its usefulness in the evaluation of fetal well-being. Finberg HJ, et al. **J Ultrasound Med** 1990 Oct; 9(10):583–91 (44 ref.)
Fibroblast growth factor and transforming growth factor beta in early embryonic development. Paterno GD, et al. **Prog Growth Factor Res** 1989;1(2):79–88 (50 ref.)
A general theory concerning the prenatal origins of cerebral lateralization in humans. Previc FH. **Psychol Rev** 1991 Jul; 98(3):299–334 (590 ref.)
Endothelins in perinatal biology. Mitchell MD. **Semin Perinatol** 1991 Feb;15(1):79–85 (35 ref.)
Endocrinization of the early embryo: an emerging role for hormones and hormone-like factors. de Pablo F, et al. **Trends Biochem Sci** 1990 Sep;15(9):339–42 (39 ref.)
[Significance of age correction in premature infants] Brandt I, et al. **Monatsschr Kinderheilkd** 1991 Jan;139(1):16–21 (50 ref.) (Eng. Abstr.) **(Ger)**
[Studies of the fetal condition in present-day perinatology] Kulakov VI, et al. **Akush Ginekol (Mosk)** 1990 Aug;(8):3–5 (34 ref.) **(Rus)**
[Diagnostic possibilities of transvaginal echography in the first trimester of pregnancy] Strizhakov AN, et al. **Akush Ginekol (Mosk)** 1990 Nov;(11):6–9 (43 ref.) **(Rus)**
[The determination of the cytodifferentiation of the adenohypophysis in embryonic development] Barabanov VM. **Ontogenez** 1991 Mar-Apr;22(2):175–81 (36 ref.) (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Effects of low-frequency magnetic fields on embryonic development and pregnancy. Juutilainen J. **Scand J Work Environ Health** 1991 Jun;17(3):149–58 (77 ref.)

FETAL DISEASES

see related

ABNORMALITIES

CHORIONIC VILLI SAMPLING

Fetal periventricular hemorrhage in von Willebrand's disease: short review and first case presentation. Mullaart RA, et al. **Am J Perinatol** 1991 May;8(3):190–2 (16 ref.)
Anaesthesia and the sick foetus. Lah F. **Anaesth Intensive Care** 1990 Aug;18(3):327–30 (20 ref.)
Fetal uropathy. Thomas DF. **Br J Urol** 1990 Sep;66(3):225–31 (25 ref.)
Maternal and fetal infection. McGregor JA. **Curr Opin Obstet Gynecol** 1991 Feb;3(1):15–23 (57 ref.)
Death due to high-output cardiac failure in fetal sacrococcygeal teratoma. Bond SJ, et al. **J Pediatr Surg** 1990 Dec;25(12):1287–91 (14 ref.)
Fetal parvovirus B19 infections. Singer DB, et al. **R I Med J** 1991 Jan;74(1):7–11 (30 ref.)

CHEMICALLY INDUCED

Fetal effects of maternal drug exposure. Farrar HC, et al. **Annu Rev Pharmacol Toxicol** 1991;31:525–47 (118 ref.)
Angiotensin-converting enzyme inhibitors, an embryopathic class of drugs with unique properties: information for clinical teratology counselors. Brent RL, et al. **Teratology** 1991 Jun;43(6):543–6 (36 ref.)
Conium, Lupinus, and Nicotiana alkaloids: fetal effects and the potential for residues in milk. Panter KE, et al. **Vet Hum Toxicol** 1990;32 Suppl:89–93; discussion 93–4 (51 ref.)
[Effects of drug consumption on the newborn] Gallart Catalá A. **An Esp Pediatr** 1990 Nov;33 Suppl 43:234–41 (63 ref.) **(Spa)**
[Marijuana and pregnancy: impact on the pregnant woman, the fetus and the newborn infant] García A, et al. **Med Clin (Barc)** 1991 Jan 26;96(3):106–9 (38 ref.) **(Spa)**

DIAGNOSIS

Prenatal diagnosis of enzyme defects--an update. Winchester B, et al. **Arch Dis Child** 1991 Apr;66(4 Spec No):451–4 (44 ref.)
Analysis of probability and measurement of values. Thornton JG. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):867–84 (17 ref.)
Fetal diagnosis and therapy: an update. Golbus MS. **Birth Defects** 1990;26(3):19–23 (0 ref.)
ABC of antenatal care. Detection and management of congenital abnormalities--I [see comments] Chamberlain G. **BMJ** 1991 Apr 20;302(6782):949–50 (0 ref.) Comment in: BMJ 1991 May 18;302(6786):1209.
ABC of antenatal care. Detection and management of congenital abnormalities--II. Chamberlain G. **BMJ** 1991 Apr 27;302(6783):1013–6 (0 ref.)
ABC of antenatal care. Checking for fetal wellbeing--I. Chamberlain G. **BMJ** 1991 Apr 6;302(6780):837–9 (0 ref.)
Prenatal screening and diagnosis: some psychological and social issues. Green JM. **Br J Obstet Gynaecol** 1990 Dec; 97(12):1074–6 (24 ref.)
Prenatal diagnosis: the medical genetics perspective. Ethics and Public Policy Committee, Canadian College of Medical Geneticists. **Can Med Assoc J** 1991 May 1;144(9):1129–32 (30 ref.)
Prenatal diagnosis of cystic fibrosis. Christian CL. **Clin Perinatol** 1990 Dec;17(4):779–91 (41 ref.)
Clinical screening for collagen defects in connective tissue diseases. Cohn DH, et al. **Clin Perinatol** 1990 Dec; 17(4):793–809 (107 ref.)
Prenatal diagnosis of hemoglobinopathies. Fischel-Ghodsian N. **Clin Perinatol** 1990 Dec;17(4):811–28 (161 ref.)
Prenatal diagnosis of metabolic disease. Iafolla AK, et al. **Clin Perinatol** 1990 Dec;17(4):761–77 (92 ref.)
Prenatal diagnosis of the neurofibromatoses. Pulst SM. **Clin Perinatol** 1990 Dec;17(4):829–44 (31 ref.)
Prenatal diagnosis and treatment of adrenogenital syndrome (steroid 21-hydroxylase deficiency). New MI. **Dev Pharmacol Ther** 1990;15(3–4):200–10 (56 ref.)
Congenital cystic adenomatoid malformation of the lung. Ribet M, et al. **Eur J Cardiothorac Surg** 1990;4(8):403–5; discussion 406 (13 ref.)
Access to the fetus. Daffos F. **Nouv Rev Fr Hematol** 1990; 32(6):431–3 (6 ref.)
Whither electronic fetal monitoring? Sandmire HF. **Obstet Gynecol** 1990 Dec;76(6):1130–4 (30 ref.)
The application of molecular biology to the prenatal diagnosis of renal disease. Flinter FA, et al. **Pediatr Nephrol** 1988 Jul;2(3):343–50 (37 ref.)
Preventing cystic fibrosis in the RSA. Hitzeroth HW, et al. **S Afr Med J** 1991 Jul 20;80(2):92–8 (31 ref.)
Fetoscopy and fetal skin biopsy for prenatal diagnosis of genetic skin disorders. Eady RA. **Semin Dermatol** 1988 Mar;7(1):2–8 (30 ref.)
Hemostasis in the perinatal period: approach to the diagnosis of coagulation disorders. Beardsley DS. **Semin Perinatol** 1991 Jun;15(3 Suppl 2):25–34 (41 ref.)
Fetal genetic diagnosis by chorionic villus sampling. Jackson LG. **Semin Perinatol** 1991 Feb;15(1 Suppl 1):43–8 (23 ref.)
Prenatal diagnosis of hematologic disorders. Seashore MR. **Semin Perinatol** 1990 Oct;14(5):343–5 (14 ref.)
[Prenatal diagnosis of trisomy 21] Massé J, et al. **Ann Biol Clin (Paris)** 1990;48(8):536–40 (72 ref.) (Eng. Abstr.) **(Fre)**
[The fetus with a digestive, pulmonary or urinary tract malformation diagnosed by ultrasonography. Management] Rudigoz RC, et al. **Pediatrie** 1990;45(10):645–52 (12 ref.) (Eng. Abstr.) **(Fre)**
[Fetal anemia] Brusis E, et al. **Gynakologe** 1990 Oct; 23(5):273–8 (33 ref.) **(Ger)**

DRUG THERAPY

In utero treatment of fetal metabolic disorders. Evans MI, et al. **Clin Obstet Gynecol** 1991 Jun;34(2):268–76 (27 ref.)
Fetal drug therapy: principles and issues. Miller RK. **Clin Obstet Gynecol** 1991 Jun;34(2):241–50 (62 ref.)
Pharmacologic therapy for fetal arrhythmias. Pinsky WW, et al. **Clin Obstet Gynecol** 1991 Jun;34(2):304–9 (21 ref.)

ETIOLOGY

The effects of maternal diabetes on the fetus and neonate. Rosenn B, et al. **Ann Clin Lab Sci** 1991 May-Jun; 21(3):153–70 (179 ref.)
Perinatal effects of cocaine and amphetamine use during pregnancy. Kandall SR. **Bull N Y Acad Med** 1991 May-Jun;67(3):240–55 (48 ref.)
Intrauterine infection and premature membrane rupture. Eschenbach DA. **Curr Opin Obstet Gynecol** 1989 Oct; 1(1):23–6 (20 ref.)
Role of the placenta in perinatal transmission of HIV. Valente P, et al. **Obstet Gynecol Clin North Am** 1990 Sep; 17(3):607–16 (46 ref.)
Pulmonary hypoplasia: a review. Sherer DM, et al. **Obstet Gynecol Surv** 1990 Nov;45(11):792–803 (121 ref.)
Human parvovirus B19 infections in pregnancy. Török TJ. **Pediatr Infect Dis J** 1990 Oct;9(10):772–6 (38 ref.)
Effects of low-frequency magnetic fields on embryonic development and pregnancy. Juutilainen J. **Scand J Work Environ Health** 1991 Jun;17(3):149–58 (77 ref.)
[Arthrogryposis and maternal myasthenia gravis. Risk of recurrence] Tranchant C, et al. **Rev Neurol (Paris)** 1991; 147(1):62–4 (11 ref.) (Eng. Abstr.) **(Fre)**
[Current problems of ante- and perinatal pathology] Milovanov AP, et al. **Vestn Akad Med Nauk SSSR** 1991; (5):3–7 (32 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Duchenne and Becker muscular dystrophies: genetics, prenatal diagnosis, and future prospects. Bieber FR, et al. **Clin Perinatol** 1990 Dec;17(4):845–65 (53 ref.)
Chromosomal mosaicism in chorionic villus sampling. Schreck RR, et al. **Clin Perinatol** 1990 Dec;17(4):867–88 (73 ref.)

METABOLISM

Studies on eicosanoid metabolism in the fetal rat brain after global ischemia. Yavin E, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:749–52 (14 ref.)

MICROBIOLOGY

[Intrauterine infections caused by other "less common" viruses: human B19 parvovirus and Epstein-Barr virus] Moya Benavent M, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 43:96–103 (49 ref.) **(Spa)**
[Fetal and neonatal infection caused by cytomegalovirus] Quero Jiménez J, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 43:103–8 (27 ref.) **(Spa)**

PHYSIOPATHOLOGY

Suspected pyelo-ureteral junction obstruction in the fetus: when to do what? II. Experimental viewpoints. Josephson S. **Eur Urol** 1991;19(2):132–8 (71 ref.)
Malnutrition and lung growth. Gaultier C. **Pediatr Pulmonol** 1991;10(4):278–86 (54 ref.)

PREVENTION & CONTROL

Maternal immunization to prevent fetal and neonatal infection. Faix RG. **Clin Obstet Gynecol** 1991 Jun; 34(2):277–87 (23 ref.)
Preventing fetal damage from sexually transmitted diseases. Minkoff HL. **Clin Obstet Gynecol** 1991 Jun;34(2):336–44 (29 ref.)
Antenatal infections and screening. Freij BJ, et al. **Curr Opin Obstet Gynecol** 1989 Oct;1(1):27–30 (13 ref.)
Varicella in the womb and beyond. Brunell PA. **Pediatr Infect Dis J** 1990 Oct;9(10):770–2 (27 ref.)
Consensus: varicella-zoster infections in pregnancy and the perinatal period. Prober CG, et al. **Pediatr Infect Dis J** 1990 Dec;9(12):865–9 (12 ref.)
The tragedy of toxoplasmosis. Remington JS. **Pediatr Infect Dis J** 1990 Oct;9(10):762–3 (6 ref.)

SURGERY

Suspected pyelo-ureteral junction obstruction in the fetus: when to do what? I. A clinical update. Josephson S. **Eur Urol** 1990;18(4):267–75 (107 ref.)
Prevention of hereditary nephropathies by antenatal interventions. Ethical considerations. Arant BS Jr. **Pediatr Nephrol** 1987 Jul;1(3):553–60 (26 ref.)

THERAPY

Fetal therapy. Nicolaides KH. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):268–72 (16 ref.)
Genetic correction of hereditary disease. Johnson MP, et al. **Fetal Ther** 1989;4 Suppl 1:28–39 (49 ref.)
State of the art. Mancuso S. **Fetal Ther** 1989;4 Suppl 1:4–11 (34 ref.)
Antenatal treatment of central nervous system defects: current and future developments in experimental therapies. Michejda M. **Fetal Ther** 1989;4 Suppl 1:108–31 (150 ref.)
[Diagnosis of fetal asphyxia and methods for intrauterine resuscitation] Huch R. **Klin Anasthesiol Intensivther** 1989; 37:150–60 (23 ref.) **(Ger)**

ULTRASONOGRAPHY

Isolated fetal ascites: prenatal diagnosis and management. Winn HN, et al. **Am J Perinatol** 1990 Oct;7(4):370–3 (9 ref.)
Fetal choroid plexus cysts: a prospective study and review of the literature. Twining P, et al. **Br J Radiol** 1991 Feb; 64(758):98–102 (14 ref.)
Fetuses aren't small children. Leopold GR. **Clin Imaging** 1990 Oct-Dec;14(4):271–9 (34 ref.)
Fetal echocardiography: assessment of cardiovascular anatomy and function. Santulli TV Jr. **Clin Perinatol** 1990 Dec;17(4):911–40 (175 ref.)
Prenatal diagnosis of fetal left ventricular aneurysm: a case report and review. Jacobson RL, et al. **Obstet Gynecol** 1991 Sep;78(3 (Pt 2)):525–8 (15 ref.)
Management of antenatally diagnosed fetal ovarian cysts. Sakala EP, et al. **Obstet Gynecol Surv** 1991 Jul;46(7):407–14 (43 ref.)
Ultrasonographic diagnosis of a fetal abdominal mass: a case of a mesenchymal liver hamartoma and a review of the literature. Hirata GI, et al. **Prenat Diagn** 1990 Aug; 10(8):507–12 (21 ref.)
Prenatal diagnosis in autosomal dominant Beckwith-Wiedemann syndrome. Viljoen DL, et al. **Prenat Diagn** 1991 Mar;11(3):167–75 (20 ref.)
Fetal ventricle: importance in routine obstetric sonography. Filly RA, et al. **Radiology** 1991 Oct;181(1):1–7 (40 ref.)
[Cystic hygroma of the neck. Antenatal diagnosis, prognostic factors, management. 42 cases] Bernard P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991;20(4):487–95 (30 ref.) (Eng. Abstr.) **(Fre)**
[Diagnostic possibilities of transvaginal echography in the first trimester of pregnancy] Strizhakov AN, et al. **Akush Ginekol (Mosk)** 1990 Nov;(11):6–9 (43 ref.) **(Rus)**

FETAL DISTRESS

DIAGNOSIS

Intrapartum assessment of fetal well-being. Tucker JM, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):515–25 (33 ref.)

DRUG THERAPY

Reversing acute intrapartum fetal distress using tocolytic drugs. Smith CV. **Clin Obstet Gynecol** 1991 Jun;34(2):352–9 (41 ref.)

ETIOLOGY

[Fetomaternal hemorrhage: a cause of fetal morbidity and mortality] Frikiche A, et al. **Rev Med Liege** 1990 Oct; 45(10):498–503 (30 ref.) **(Fre)**

FETAL GROWTH RETARDATION

see related
INFANT, SMALL FOR GESTATIONAL AGE

A review of the etiology, diagnostic techniques and management of IUGR, and the clinical application of Doppler in the assessment of placental blood flow. Wladimiroff JW. **J Perinat Med** 1991;19(1–2):11–3 (7 ref.)

CHEMICALLY INDUCED

Developmental toxicity and safety evaluations of ribavirin. Johnson EM. **Pediatr Infect Dis J** 1990 Sep;9(9 Suppl):S85–7 (4 ref.)

[Treatment of malignant neoplasms in pregnancy. II] Robak T, et al. **Przegl Lek** 1990;47(8):603–6 (23 ref.) **(Pol)**

DRUG THERAPY

[Anti-prostaglandin agents in obstetrics] Gaucherand P, et al. **Rev Fr Gynecol Obstet** 1990 Oct;85(10):557–60 (5 ref.) (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

Adaptive changes in the developing brain during intrauterine stress. Amiel-Tison C, et al. **Brain Dev** 1991;13(2):67–76 (94 ref.)

EPIDEMIOLOGY

Urinary oestriol assay for monitoring fetoplacental function. Beischer N, et al. **Aust N Z J Obstet Gynaecol** 1991 Feb; 31(1):1–8 (11 ref.)

[Fetal growth rate and its variations 1988/89] Papp C, et al. **Orv Hetil** 1991 Aug 25;132(34):1865–6, 1869–70 (27 ref.) (Eng. Abstr.) **(Hun)**

ETIOLOGY

Fetal response to intrauterine stress. Thornburg KL. **Ciba Found Symp** 1991;156:17–29; discussion 29–37 (32 ref.)

Nutritional correlates of fetal growth. Warshaw JB. **Dev Pharmacol Ther** 1990;15(3–4):153–8 (13 ref.)

Functional consequences of maternal malnutrition. González-Cossio T, et al. **World Rev Nutr Diet** 1991; 64:139–73 (98 ref.)

IMMUNOLOGY

Interactions between early nutrition and the immune system. Chandra RK. **Ciba Found Symp** 1991;156:77–89; discussion 89–92 (26 ref.)

PHYSIOPATHOLOGY

Adaptive changes in the developing brain during intrauterine stress. Amiel-Tison C, et al. **Brain Dev** 1991;13(2):67–76 (94 ref.)

PREVENTION & CONTROL

Low-dose aspirin to improve perinatal outcome. Barton JR, et al. **Clin Obstet Gynecol** 1991 Jun;34(2):251–61 (31 ref.)

THERAPY

[Management of the fetus with intrauterine growth retardation: the neonatologist's viewpoint] Langhendries JP, et al. **Rev Med Liege** 1991 May;46(5):262–9 (28 ref.) **(Fre)**

[Problems in the therapy of intrauterine fetal growth retardation] Ruckhäberle KE, et al. **Zentralbl Gynakol** 1991;113(8):455–66 (0 ref.) **(Ger)**

[Immunomodulating therapy in various complications of the gestational period] Nazarenko LG. **Akush Ginekol (Mosk)** 1990 Nov;(11):12–5 (53 ref.) **(Rus)**

ULTRASONOGRAPHY

Fetal growth disturbances. Doubilet PM, et al. **Semin Roentgenol** 1990 Oct;25(4):309–16 (52 ref.)

[Diagnostic and clinical value of Doppler sonography of fetal blood vessels] Schramm T, et al. **Bildgebung** 1991; 58(1):10–6 (51 ref.) (Eng. Abstr.) **(Ger)**

FETAL HEART

ULTRASONOGRAPHY

Sonography of the fetal heart: findings on the four-chamber view. McGahan JP. **AJR Am J Roentgenol** 1991 Mar; 156(3):547–53 (25 ref.)

Fetal echocardiography: assessment of cardiovascular anatomy and function. Santulli TV Jr. **Clin Perinatol** 1990 Dec;17(4):911–40 (175 ref.)

Fetal echocardiography. Huhta JC, et al. **Semin Roentgenol** 1991 Jan;26(1):5–11 (10 ref.)

Fetal echocardiography. Reed KL. **Semin Ultrasound CT MR** 1991 Feb;12(1):2–10 (14 ref.)

[Fetal echocardiography. I: Methods, limitations and indications] Chaoui R, et al. **Zentralbl Gynakol** 1990; 112(19):1197–208 (30 ref.) (Eng. Abstr.) **(Ger)**

FETAL HEART RATE see **HEART RATE, FETAL**

FETAL HEMOGLOBIN

BIOSYNTHESIS

[Fetal hemoglobin] Rokicka-Piotrowicz M. **Postepy Hig Med Dosw** 1989;43(5–6):475–97 (103 ref.) (Eng. Abstr.) **(Pol)**

GENETICS

Pharmacologic manipulation of fetal hemoglobin in the hemoglobinopathies. Nathan DG. **Ann N Y Acad Sci** 1990; 612:179–83 (15 ref.)

Analysis of human gamma-to-beta switching in transgenic mice. Stamatoyannopoulos G, et al. **Ann N Y Acad Sci** 1990;612:127–33 (19 ref.)

Delta beta thalassemia and hereditary persistence of fetal hemoglobin. Bollekens JA, et al. **Hematol Oncol Clin North Am** 1991 Jun;5(3):399–422 (156 ref.)

Pharmacologic modulation of fetal globin gene expression in the perinatal period. Perrine SP. **Semin Perinatol** 1990 Oct;14(5):346–50 (29 ref.)

METABOLISM

Pharmacologic manipulation of fetal hemoglobin. Update on clinical trials with hydroxyurea. Dover GJ. **Ann N Y Acad Sci** 1990;612:184–90 (29 ref.)

PHARMACOLOGY

The pharmacology of hemoglobin switching: of mice and men. Ley TJ. **Blood** 1991 Mar 15;77(6):1146–52 (74 ref.)

PHYSIOLOGY

Fetal hemoglobin, sickling, and sickle cell disease. Charache S. **Adv Pediatr** 1990;37:1–31 (182 ref.)

The Bessis reticular cell, the hemoglobin 'switch' and the role of fetal hemoglobin: a hypothesis. Bogair N. **Med Hypotheses** 1991 Feb;34(2):105–10 (45 ref.)

FETAL HYDROPS see **HYDROPS FETALIS**

FETAL IMMUNITY, MATERNALLY-ACQUIRED see **IMMUNITY, MATERNALLY-ACQUIRED**

FETAL MACROSOMIA

PREVENTION & CONTROL

Maternal insulin to lower the risk of fetal macrosomia in diabetic pregnancy. Coustan DR. **Clin Obstet Gynecol** 1991 Jun;34(2):288–95 (31 ref.)

ULTRASONOGRAPHY

Fetal growth disturbances. Doubilet PM, et al. **Semin Roentgenol** 1990 Oct;25(4):309–16 (52 ref.)

FETAL MATURITY, CHRONOLOGIC see **GESTATIONAL AGE**

FETAL MATURITY, FUNCTIONAL see **FETAL ORGAN MATURITY**

FETAL MEMBRANES

[Prolapse of the amniotic membranes--indications for total cervical cerclage?] Flick K, et al. **Gynakologe** 1991 Jun; 24(3):170–3 (14 ref.) **(Ger)**

[Lithokelyphopedion: presentation of a case of 9 years of clinical course] Bustamente Sarabia J, et al. **Ginecol Obstet Mex** 1989 Oct;57:287–90 (12 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

Corticotrophin-releasing hormone production by the placenta and fetal membranes. Riley SC, et al. **Placenta** 1991 Mar-Apr;12(2):105–19 (82 ref.)

FETAL MEMBRANES, PREMATURE RUPTURE

Preterm prelabour rupture of membranes. James D. **Arch Dis Child** 1991 Jul;66(7 Spec No):812–5 (0 ref.)

Premature rupture of membranes, cervical ripening, and induction of labor. Lauersen NH. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):165–71 (32 ref.)

COMPLICATIONS

Premature rupture of the membranes: intraamniotic infection. Gibbs RS. **Pediatr Infect Dis J** 1990 Oct;9(10):776 (12 ref.)

EPIDEMIOLOGY

Epidemiologic characteristics of preterm delivery: etiologic heterogeneity. Savitz DA, et al. **Am J Obstet Gynecol** 1991 Feb;164(2):467–71 (24 ref.)

ETIOLOGY

Intrauterine infection and premature membrane rupture. Eschenbach DA. **Curr Opin Obstet Gynecol** 1989 Oct; 1(1):23–6 (20 ref.)

Preterm labor, preterm delivery, intrauterine infection, and preterm rupture of membranes. Papiernik E. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):8–12 (16 ref.)

[Relationship between hypertensive states and perinatal prognosis in abruptio placentae] Nardozza LM, et al. **Rev Paul Med** 1990 Jul-Aug;108(4):165–8 (17 ref.) (Eng. Abstr.) **(Por)**

FETAL MONITORING

see related
SIGNAL PROCESSING, COMPUTER-ASSISTED

The contributions of the nurse and the machine in home uterine activity monitoring systems. Merkatz RB, et al. **Am J Obstet Gynecol** 1991 May;164(5 Pt 1):1159–62 (21 ref.)

Fetal monitoring and neonatal resuscitation: what the anaesthetist should know. Guay J. **Can J Anaesth** 1991 May;38(4 Pt 2):R74–88 (95 ref.) **(Eng, Fre)**

Intrapartum assessment of fetal well-being. Tucker JM, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):515–25 (33 ref.)

Fetal assessment in postterm pregnancy. Boylan P, et al. **Curr Opin Obstet Gynecol** 1991 Feb;3(1):41–4 (11 ref.)

Early diagnostic procedures and antepartum monitoring. Ludmir J, et al. **Curr Opin Obstet Gynecol** 1989 Dec; 1(2):124–30 (35 ref.)

Do electronic fetal heart rate monitors improve delivery outcomes? Kaiser G. **J Fla Med Assoc** 1991 May; 78(5):303–7 (8 ref.)

The use of Doppler ultrasound in the study of fetal cardiovascular physiology. Hanretty KP, et al. **J Neurosci Methods** 1990 Sep;34(1–3):159–67 (26 ref.)

[Prolonged pregnancy and management: what is on time?] Nijhuis JG, et al. **Ned Tijdschr Geneeskd** 1990 Sep 15; 134(37):1786–9 (38 ref.) **(Dut)**

[Periodic medical examination, update 1989: 4. Electronic surveillance of the fetus during labor and prevention of herpes in newborn infants. The Canadian Study Group on Periodic Medical Examination] **Union Med Can** 1990 Sep-Oct;119(5):254–60 (47 ref.) **(Fre)**

ADVERSE EFFECTS

Cerebrospinal fluid leak in the neonate--complication of fetal scalp electrode monitoring. Case report and review of the literature. Sorokin Y, et al. **Isr J Med Sci** 1990 Nov; 26(11):633–5 (14 ref.)

INSTRUMENTATION

Do electronic fetal heart rate monitors improve delivery outcomes? Kaiser G. **J Fla Med Assoc** 1991 May; 78(5):303–7 (8 ref.)

[Computer-assisted analysis of cardiorespiratory data in the neonatal period] Rother M, et al. **Psychiatr Neurol Med Psychol Beih** 1990;43:37–44 (22 ref.) **(Ger)**

METHODS

Techniques for antepartum fetal surveillance. Hueston WJ. **Am Fam Physician** 1991 Sep;44(3):893–904 (36 ref.)

Antepartum fetal assessment. A nurse-midwifery perspective. Gegor CL, et al. **J Nurse Midwifery** 1991 May-Jun; 36(3):153–67 (40 ref.)

The current status of intrapartum continuous fetal tissue pH measurements. Nickelsen C, et al. **J Perinat Med** 1991; 19(1–2):87–92 (12 ref.)

The biophysical profile. A literature review and reassessments of its usefulness in the evaluation of fetal well-being. Finberg HJ, et al. **J Ultrasound Med** 1990 Oct; 9(10):583–91 (44 ref.)

Whither electronic fetal monitoring? Sandmire HF. **Obstet Gynecol** 1990 Dec;76(6):1130–4 (30 ref.)

Fetal well-being: nonimaging assessment and the biophysical profile. Jackson GM, et al. **Semin Roentgenol** 1991 Jan; 26(1):21–31 (36 ref.)

[Analysis of fetal ECG during delivery] Jensen LM, et al. **Ugeskr Laeger** 1991 Jun 17;153(25):1782–5 (30 ref.) (Eng. Abstr.) **(Dan)**

FETAL MONITORING

STANDARDS

Fetal surveillance. Druzin ML. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):253–7 (25 ref.)

TRENDS

[Studies of the fetal condition in present–day perinatology] Kulakov VI, et al. **Akush Ginekol (Mosk)** 1990 Aug;(8):3–5 (34 ref.) **(Rus)**

FETAL MOVEMENT

Recent technical progress in obstetrics and gynecology in Japan. Maeda K. **Front Med Biol Eng** 1990;2(2):81–7 (30 ref.)

[Fetal movement in the first half of pregnancy] Jungmannová C. **Cesk Gynekol** 1990 Nov;55(9):660–77 (80 ref.) **(Cze)**

PHYSIOLOGY

Computerized analysis of cardiotocograms and fetal movements. Maeda K. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):797–813 (15 ref.)

Development of human fetal behavior: a review. Pillai M, et al. **Fetal Diagn Ther** 1990;5(1):15–32 (129 ref.)

FETAL ORGAN MATURITY

DRUG EFFECTS

Prevention and treatment of fetal lung immaturity. Cosmi EV, et al. **Fetal Ther** 1989;4 Suppl 1:52–62 (49 ref.)

FETAL PRESENTATION see **LABOR PRESENTATION**

FETAL PRESENTATION, BREECH see **BREECH PRESENTATION**

FETAL RESORPTION

CHEMICALLY INDUCED

[Biological effects of exposure to acrylamide] Dobrzyńska MM, et al. **Rocz Panstw Zaki Hig** 1990;41(5–6):209–15 (43 ref.) (Eng. Abstr.) **(Pol)**

FETAL TISSUE TRANSPLANTATION

Transplantation of fetal cells. Crombleholme TM, et al. **Am J Obstet Gynecol** 1991 Jan;164(1 Pt 1):218–30 (83 ref.)

Intraspinal transplants. Tessler A. **Ann Neurol** 1991 Feb; 29(2):115–23 (99 ref.)

Unproven methods of cancer management. Fresh cell therapy. **CA** 1991 Mar–Apr;41(2):126–8 (15 ref.)

Neural transplantation—what are the real possibilities? Bakay RA. **Clin Neurosurg** 1991;37:179–92 (46 ref.)

Grafting of catecholaminergic cells in the mammalian brain and reconstruction of disturbed function: basic problems to be solved. Nishino H, et al. **Comp Biochem Physiol [C]** 1991;98(1):211–20 (58 ref.)

New approaches in bone marrow transplantation: the utilization of hematopoietic stem cells. Michejda M, et al. **Fetal Diagn Ther** 1990;5(1):40–56 (118 ref.)

Ontogenesis of human fetal pancreas in use for transplantation. Hahn von Dorsche H, et al. **Horm Metab Res Suppl** 1990;25:227–33 (30 ref.)

Embryonic stem cell grafting: the therapy of the future? Hollands P. **Hum Reprod** 1991 Jan;6(1):79–84 (75 ref.)

Cellular replacement therapy for neurologic disorders: potential of genetically engineered cells. Chen LS, et al. **J Cell Biochem** 1991 Mar;45(3):252–7 (32 ref.)

Brain grafts and Parkinson's disease. Freed WJ, et al. **J Cell Biochem** 1991 Mar;45(3):261–7 (57 ref.)

Transplantation of embryonic dopamine neurons: what we know from rats [editorial] Dunnett SB. **J Neurol** 1991 Apr; 238(2):65–74 (102 ref.)

Grafts, growth factors and grafts that make growth factors. Olson L, et al. **Prog Brain Res** 1990;82:55–66 (45 ref.)

The clinical application of cell grafting techniques in patients with Parkinson's disease. Quinn NP. **Prog Brain Res** 1990; 82:619–25 (38 ref.)

METHODS

The experimental technology of brain transplantation: implications for rehabilitation. Deckel AW. **Adv Clin Rehabil** 1990;3:270–93 (84 ref.)

Transplants in Parkinson's disease. Lindvall O. **Eur Neurol** 1991;31 Suppl 1:17–27 (71 ref.)

Practical aspects of the use of human fetal brain tissue for intracerebral grafting. Brundin P, et al. **Prog Brain Res** 1990;82:707–14 (37 ref.)

Grafts and growth factors in CNS. Basic science with clinical promise. Olson L. **Stereotact Funct Neurosurg** 1990; 54–55:250–67 (51 ref.)

[Transplantation of dopamine producing nerve cells: a new therapy in idiopathic Parkinson syndrome?] Kupsch A, et al. **Nervenarzt** 1991 Feb;62(2):80–91 (127 ref.) **(Ger)**

PHYSIOLOGY

Developmental and functional aspects of grafting of the suprachiasmatic nucleus in the Brattleboro and the arrhythmic rat. Boer GJ, et al. **Eur J Morphol** 1990; 28(2–4):330–45 (42 ref.)

Synapse formation in the adult brain after lesions and after transplantation of embryonic tissue. Raisman G, et al. **J Exp Biol** 1990 Oct;153:277–87 (23 ref.)

Nigral grafts in neonatal rats: protection from aphagia induced by subsequent adult 6–OHDA lesions. Rogers DC, et al. **Prog Brain Res** 1990;82:489–92 (19 ref.)

FETAL TRANSFUSION see **BLOOD TRANSFUSION, INTRAUTERINE**

FETOFETAL TRANSFUSION

The twin–twin transfusion syndrome. Blickstein I. **Obstet Gynecol** 1990 Oct;76(4):714–22 (66 ref.)

FETOMATERNAL TRANSFUSION

[Origin and enrichment of fetal cells in the blood of pregnant women and its uses in prenatal diagnosis] Li GW, et al. **Chung Hua Fu Chan Ko Tsa Chih** 1991 Mar;26(2):115–7 (17 ref.) **(Chi)**

COMPLICATIONS

[Fetomaternal hemorrhage: a cause of fetal morbidity and mortality] Frikiche A, et al. **Rev Med Liege** 1990 Oct; 45(10):498–503 (30 ref.) **(Fre)**

DIAGNOSIS

Massive fetomaternal hemorrhage: case report. Ishihara H, et al. **Asia Oceania J Obstet Gynaecol** 1990 Sep;16(3):225–8 (17 ref.)

FETOPLACENTAL FUNCTION TESTS see **PLACENTAL FUNCTION TESTS**

FETOSCOPY

Fetoscopy and fetal skin biopsy for prenatal diagnosis of genetic skin disorders. Eady RA. **Semin Dermatol** 1988 Mar;7(1):2–8 (30 ref.)

FETOTOXINS see **TERATOGENS**

FETUINS see **ALPHA FETOPROTEINS**

FETUS

see related
GESTATIONAL AGE
MATERNAL–FETAL EXCHANGE

Fetal drug therapy: principles and issues. Miller RK. **Clin Obstet Gynecol** 1991 Jun;34(2):241–50 (62 ref.)

[Lithokelyphopedion: presentation of a case of 9 years of clinical course] Bustamente Sarabia J, et al. **Ginecol Obstet Mex** 1989 Oct;57:287–90 (12 ref.) (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Fetal limbs: normal and abnormal. Driscoll DA. **Semin Roentgenol** 1991 Jan;26(1):12–20 (48 ref.)

[Ultrasonic diagnosis of fetal malformations] Lagalla R, et al. **Radiol Med (Torino)** 1990 Dec;80(6):915–25 (76 ref.) **(Ita)**

ANATOMY & HISTOLOGY

Fetal head molding. Diagnosis by ultrasound and a review of the literature. Carlan SJ, et al. **J Perinatol** 1991 Jun; 11(2):105–11 (15 ref.)

BLOOD SUPPLY

Developmental pathogenesis of defects associated with prenatal cocaine exposure: fetal vascular disruption. Jones KL. **Clin Perinatol** 1991 Mar;18(1):139–46 (24 ref.)

Endothelium–derived vasoactive substances in fetal placental vessels. Chaudhuri G, et al. **Semin Perinatol** 1991 Feb; 15(1):63–7 (36 ref.)

DRUG EFFECTS

Fetal effects of maternal drug exposure. Farrar HC, et al. **Annu Rev Pharmacol Toxicol** 1991;31:525–47 (118 ref.)

Effects of ethanol exposure on the embryo–fetus: experimental considerations, mechanisms, and the role of prostaglandins. Smith GN, et al. **Can J Physiol Pharmacol** 1991 May;69(5):550–69 (173 ref.)

Intrapartum antibiotic therapy for suspected intraamniotic infection: impact on the fetus and neonate. Maberry MC, et al. **Clin Obstet Gynecol** 1991 Jun;34(2):345–51 (28 ref.)

Animal models of opiate, cocaine, and cannabis use. Hutchings DE, et al. **Clin Perinatol** 1991 Mar;18(1):1–22 (55 ref.)

Drug therapy during pregnancy. Niebyl JR. **Curr Opin Obstet Gynecol** 1991 Feb;3(1):24–7 (18 ref.)

The risks and benefits of taking aspirin during pregnancy. Hertz–Picciotto I, et al. **Epidemiol Rev** 1990;12:108–48 (133 ref.)

Human fetal lead exposure: intrauterine growth, maturation, and postnatal neurobehavioral development. Dietrich KN. **Fundam Appl Toxicol** 1991 Jan;16(1):17–9 (21 ref.)

Transplacental transfer of cadmium and fetal effects. Goyer RA. **Fundam Appl Toxicol** 1991 Jan;16(1):22–3 (6 ref.)

Vitamin A during pregnancy in India: how much is safe for the fetus? Raman L. **Indian J Pediatr** 1991 Mar–Apr; 58(2):179–83 (18 ref.)

Evidence for behavioral teratogenicity in humans. Nelson BK. **J Appl Toxicol** 1991 Feb;11(1):33–7 (73 ref.)

Cocaine: a primer for providers of perinatal care. Holland JG, et al. **J Miss State Med Assoc** 1990 Sep;31(9):287–93 (10 ref.)

Caffeine and its effects on pregnancy and the neonate. McKim EM. **J Nurse Midwifery** 1991 Jul–Aug;36(4):226–31 (48 ref.)

Fetal and neonatal effects of maternal cocaine use. Peters H, et al. **J Obstet Gynecol Neonatal Nurs** 1991 Mar–Apr; 20(2):121–6 (23 ref.)

Immediate and long–term renal effects of fetal exposure to gentamicin. Gilbert T, et al. **Pediatr Nephrol** 1990 Jul; 4(4):445–50 (46 ref.)

Drugs and related areas in pregnancy. Niebyl JR. **Zentralbl Gynakol** 1991;113(7):375–88 (0 ref.)

[Treatment of malignant neoplasms in pregnancy. II] Robak T, et al. **Przegl Lek** 1990;47(8):603–6 (23 ref.) **(Pol)**

[Treatment of neoplasms in pregnancy. I] Robak T, et al. **Przegl Lek** 1990;47(7):562–4 (16 ref.) **(Pol)**

[Drugs as a factor threatening the fetus] Zdziennicki A. **Wiad Lek** 1990 Nov 1–15;43(21–22):1068–70 (17 ref.) (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Aromatase activity in fetal gonads of mammals. Weniger JP. **J Dev Physiol** 1990 Dec;14(6):303–6 (53 ref.)

IMMUNOLOGY

Infection–induced activation of cell–mediated immunity: possible mechanism for preterm birth. Witkin S, et al. **Clin Obstet Gynecol** 1991 Mar;34(1):112–21 (48 ref.)

Fetal and neonatal immunoincompetence. Vetro SW, et al. **Fetal Ther** 1989;4 Suppl 1:82–91 (59 ref.)

T–cell development in the fetus and the invariant series hypothesis. Aspinall R, et al. **Immunol Today** 1991 Jan; 12(1):7–10 (35 ref.)

[Neonatal sepsis: bases and possibilities for immunotherapy and immunoprophylaxis. 1: Maturation of immune mechanisms in the fetus and in newborn infants] Miler I, et al. **Padiatr Grenzgeb** 1990;29(5):349–62 (47 ref.) (Eng. Abstr.) **(Ger)**

[The immune system of the human fetus in the perinatal period of development in maternal health and disease] Riabchikov OP, et al. **Vestn Akad Med Nauk SSSR** 1991; (5):18–22 (30 ref.) **(Rus)**

METABOLISM

Biochemistry and endocrinology of the Down's syndrome pregnancy. Chard T. **Ann N Y Acad Sci** 1991;626:580–96 (89 ref.)

Control of glucose metabolism in the perinatal period. Jones CT. **J Dev Physiol** 1991 Feb;15(2):81–9 (49 ref.)

Drug disposition and effects in the fetus. Rurak DW, et al. **J Dev Physiol** 1991 Jan;15(1):33–44 (104 ref.)

Molecular and cellular aspects of renin during kidney ontogeny. Gomez RA, et al. **Pediatr Nephrol** 1991 Jan; 5(1):80–7 (60 ref.)

Newly recognized lipid carrier proteins in fetal life. Subbiah MT. **Proc Soc Exp Biol Med** 1991 Oct;198(1):495–9 (61 ref.)

PATHOLOGY

Twin fetuses in fetu and a review of the literature. Gürses N, et al. **Z Kinderchir** 1990 Oct;45(5):319–22 (14 ref.)

PHYSIOLOGY

The current status of maternal and fetal blood flow velocimetry. Low JA. **Am J Obstet Gynecol** 1991 Apr; 164(4):1049–63 (148 ref.)

The role of the placenta in nutrition of the human fetus. Schneider H. **Am J Obstet Gynecol** 1991 Apr;164(4):967–73 (30 ref.)

Hormonal control of the surfactant system in fetal lung. Mendelson CR, et al. **Annu Rev Physiol** 1991;53:415–40 (122 ref.)

Development of human fetal behavior: a review. Pillai M, et al. **Fetal Diagn Ther** 1990;5(1):15–32 (129 ref.)

Fetal breathing and development of control of breathing. Jansen AH, et al. **J Appl Physiol** 1991 Apr;70(4):1431–46 (184 ref.)

Behavioural assessment of fetal health. Bocking AD, et al. **J Dev Physiol** 1991 Feb;15(2):113–20 (58 ref.)

Developmental and hormonal regulation of surfactant protein A (SP–A) gene expression in fetal lung. Mendelson CR, et al. **J Dev Physiol** 1991 Jan;15(1):61–9 (30 ref.)

Two decades of advancement in the assessment of fetal health. Parer JT. **J Dev Physiol** 1991 Feb;15(2):111–2 (0 ref.)

Use of Doppler technology in assessing fetal health. Ritchie JW. **J Dev Physiol** 1991 Feb;15(2):121–3 (22 ref.)

The trigger for parturition in sheep: fetal hypothalamus or placenta? Thorburn GD, et al. **J Dev Physiol** 1991 Feb; 15(2):71–9 (54 ref.)

The current status of intrapartum continuous fetal tissue pH measurements. Nickelsen C, et al. **J Perinat Med** 1991; 19(1–2):87–92 (12 ref.)

Animal models for the study of fetal tissue repair. Adzick NS, et al. **J Surg Res** 1991 Sep;51(3):216–22 (77 ref.)
The biology of fetal wound healing: a review. Longaker MT, et al. **Plast Reconstr Surg** 1991 Apr;87(4):788–98 (119 ref.)
The role of pulmonary vascular endothelium in perinatal pulmonary circulatory regulation. Fineman JR, et al. **Semin Perinatol** 1991 Feb;15(1):58–62 (31 ref.)
Fetal and newborn cerebral vascular responses and adaptations to hypoxia. Longo LD, et al. **Semin Perinatol** 1991 Feb;15(1):49–57 (44 ref.)
[Origin and conduction of pain in birth, effect of pain and analgesia on the mother, the birth process and fetus] Jurna I. **Klin Anasthesiol Intensivther** 1989;37:36–42 (39 ref.) **(Ger)**
[Studies of the fetal condition in present-day perinatology] Kulakov VI, et al. **Akush Ginekol (Mosk)** 1990 Aug;(8):3–5 (34 ref.) **(Rus)**
[Embryonal and fetal hematopoiesis: current problems] Torubarova NA. **Gematol Transfuziol** 1991 May;36(5):20–4 (28 ref.) **(Rus)**

SURGERY

New developments in stem cell transplantation with special reference to the first in utero transplants in humans. Touraine JL, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:92–7 (9 ref.)
Interventional procedures in obstetrics. Copel JA, et al. **Semin Roentgenol** 1991 Jan;26(1):87–94 (57 ref.)
Update on the status of fetal surgery. Longaker MT, et al. **Surg Annu** 1991;23 Pt 2:53–68 (60 ref.)

ULTRASONOGRAPHY

Fetuses aren't small children. Leopold GR. **Clin Imaging** 1990 Oct–Dec;14(4):271–9 (34 ref.)
Cerebral Doppler studies in the fetus and newborn infant. Raju TN. **J Pediatr** 1991 Aug;119(2):165–74 (70 ref.)
Maternal–fetal Doppler sonography: potential or reality. Grant EG. **Semin Roentgenol** 1991 Jan;26(1):75–86 (41 ref.)

FEVER

see related
ANTI-INFLAMMATORY AGENTS
ANTI-INFLAMMATORY AGENTS, NON-STEROIDAL
HEAT-SHOCK PROTEINS

Fever phobia and the adaptive value of fever. Zitelli BJ. **Indian J Pediatr** 1991 Mar–Apr;58(2):275–8 (30 ref.)
[Fever from the viewpoint of the pediatrician] Buchanec J, et al. **Cesk Pediatr** 1991 May;46(5):278–80 (13 ref.) **(Slo)**

CHEMICALLY INDUCED

Drug fever. Remember to consider it in diagnosis. Hanson MA. **Postgrad Med** 1991 Apr;89(5):167–70, 173 (9 ref.)

COMPLICATIONS

Pancerebellar syndrome in hyperpyrexia. Mohapatro AK, et al. **Australas Radiol** 1990 Nov;34(4):320–2 (12 ref.)
Infantile inflammatory multisystem disease: clinicopathological findings and review of the literature. Horoupian DS, et al. **Clin Neuropathol** 1990 Jul–Aug; 9(4):170–6 (22 ref.)
[Acute neutrophilic febrile dermatosis (Sweet syndrome) associated with melanoma] Sánchez Conejo-Mir J, et al. **Med Cutan Ibero Lat Am** 1990;18(3):155–8 (16 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Care of febrile children with HIV infection in the emergency department. Dorfman DH, et al. **Pediatr Emerg Care** 1990 Dec;6(4):305–10 (29 ref.)

DRUG THERAPY

Role of glycopeptide antibiotics in the treatment of febrile neutropenic patients. Smith SR, et al. **Br J Haematol** 1990 Dec;76 Suppl 2:54–6 (17 ref.)
[Treatment of fever in children. False problems or real debate? (editorial)] Bourrillon A. **Presse Med** 1991 May 4;20(17):785–7 (14 ref.) **(Fre)**

EPIDEMIOLOGY

[Prevalence of febrile seizures in the school population of Valladolid] Ochoa Sangrador C, et al. **An Esp Pediatr** 1990 Oct;33(4):355–8 (30 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

The evaluation of fever in the intensive care unit. Clarke DE, et al. **Chest** 1991 Jul;100(1):213–20 (58 ref.)
Organic dust toxic syndrome: an acute febrile reaction to organic dust exposure distinct from hypersensitivity pneumonitis. Von Essen S, et al. **J Toxicol Clin Toxicol** 1990;28(4):389–420 (101 ref.)
[Unexplained fever or inflammatory syndrome. Diagnostic value of liver puncture-biopsy] Henrion J, et al. **Presse Med** 1991 Mar 16;20(10):461–4 (22 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Impact of temperature elevation on immunologic defenses. Roberts NJ Jr. **Rev Infect Dis** 1991 May–Jun;13(3):462–72 (108 ref.)

METABOLISM

Influence of febrile disease on the pharmacokinetics of veterinary drugs. van Miert A. **Ann Rech Vet** 1990;21 Suppl 1:11S–28S (127 ref.)
Induction of heat shock (stress) genes in the mammalian brain by hyperthermia and other traumatic events: a current perspective. Brown IR. **J Neurosci Res** 1990 Nov; 27(3):247–55 (110 ref.)

PATHOLOGY

Acute febrile neutrophilic dermatosis in childhood (Sweet's syndrome). Collins P, et al. **Br J Dermatol** 1991 Feb; 124(2):203–6 (17 ref.)

PHYSIOPATHOLOGY

Mechanisms of the pyrogenic actions of cytokines. Rothwell NJ. **Eur Cytokine Netw** 1990 Oct–Nov;1(4):211–3 (12 ref.)
Mechanics of fever. Riedel W. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):291–322 (98 ref.)
Fever: role of pyrogens and cryogens. Kluger MJ. **Physiol Rev** 1991 Jan;71(1):93–127 (407 ref.)

VETERINARY

The behavior of sick animals. Hart BL. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):225–37 (65 ref.)

FEVER BLISTER VIRUS see **HERPESVIRUS HOMINIS**

FEVER OF UNKNOWN ORIGIN

ETIOLOGY

Fever of unknown origin following traumatic brain injury. Jackson RD, et al. **Brain Inj** 1991 Jan–Mar;5(1):93–100 (30 ref.)
Fever of unknown origin—reexamined and redefined. Durack DT, et al. **Curr Clin Top Infect Dis** 1991;11:35–51 (52 ref.)
[Fever at delivery] Martius J. **Gynakologe** 1991 Jun; 24(3):151–4 (30 ref.) **(Ger)**
[Fever, weight loss and rare paraneoplasias] Wörmann B, et al. **Internist (Berl)** 1990 Aug;31(8):532–7 (35 ref.) **(Ger)**

FEVER THERAPY see **HYPERTHERMIA, INDUCED**

FIBER OPTICS

Fibreoptic sensors in clinical measurement. Yellowlees IH. **Br J Anaesth** 1991 Jul;67(1):100–5 (28 ref.)

FIBERGLASS CASTS see **CASTS, SURGICAL**

FIBRIN

ANALYSIS

Monoclonal antibody-based plasma assays for fibrin(ogen) and derivatives, and their clinical relevance. Kroneman H, et al. **Blood Coagul Fibrinolysis** 1990 Mar–Apr;1(1):91–111 (200 ref.)

BIOSYNTHESIS

[Endogenous peptides—physiological regulators of coagulative conversion of fibrinogen] Byshevskii ASh, et al. **Gematol Transfuziol** 1991 Apr;36(4):28–31 (24 ref.) **(Rus)**

METABOLISM

Glomerular fibrin deposition and removal. Bergstein JM. **Pediatr Nephrol** 1990 Jan;4(1):78–87 (117 ref.)

PHYSIOLOGY

Fibrin and the vessel wall. Kaplan KL, et al. **Adv Exp Med Biol** 1990;281:313–8 (20 ref.)

FIBRIN ADHESIVE see **FIBRIN TISSUE ADHESIVE**

FIBRIN FIBRINOGEN DEGRADATION PRODUCTS

ANALYSIS

Monoclonal antibodies for the detection of thrombosis. Gaffney PJ, et al. **Adv Exp Med Biol** 1990;281:419–27 (39 ref.)
[Value of the plasma measurement of D-dimers in the diagnosis of venous thromboembolism] Bounameaux H, et al. **J Mal Vasc** 1991;16(2):133–6 (14 ref.) (Eng. Abstr.) **(Fre)**

FIBRIN FIBRINOGEN SPLIT PRODUCTS see **FIBRIN FIBRINOGEN DEGRADATION PRODUCTS**

FIBRIN GLUE see **FIBRIN TISSUE ADHESIVE**

FIBRIN SEALANT SYSTEM see **FIBRIN TISSUE ADHESIVE**

FIBRIN TISSUE ADHESIVE

Use of fibrin glue in obstetrics and gynecology: a review of the literature. Adamyan LV, et al. **Int J Fertil** 1991 Mar–Apr;36(2):76–7, 81–8 (112 ref.)

ADMINISTRATION & DOSAGE

[Use of fibrin glue in thoracic surgery] Astrozhnikov IuV, et al. **Vestn Khir** 1990 Oct;145(10):133–7 (45 ref.) **(Rus)**

THERAPEUTIC USE

[Use of fibrin glue in gynecology-obstetrics] Rudigoz RC, et al. **Rev Fr Gynecol Obstet** 1990 Oct;85(10):535–8 (14 ref.) (Eng. Abstr.) **(Fre)**

FIBRINOGEN

ANALYSIS

Monoclonal antibody-based plasma assays for fibrin(ogen) and derivatives, and their clinical relevance. Kroneman H, et al. **Blood Coagul Fibrinolysis** 1990 Mar–Apr;1(1):91–111 (200 ref.)
Fibrinogen and factor VII as risk factors in vascular disease. Hultin MB. **Prog Hemost Thromb** 1991;10:215–41 (104 ref.)
[Plasma fibrinogen and cardiovascular disease] Møller LF, et al. **Ugeskr Laeger** 1991 Aug 19;153(34):2343–5 (30 ref.) (Eng. Abstr.) **(Dan)**
[Correlation between juvenile myocardial infarct in parents and plasma fibrinogen levels in their offspring] Mihai K, et al. **Orv Hetil** 1991 Aug 25;132(34):1861–3 (22 ref.) (Eng. Abstr.) **(Hun)**
[Diagnosis of hepatocellular carcinoma performed by searching for serologic tumor markers] de Oliveira e Silva A, et al. **Arq Gastroenterol** 1990 Apr–Jun;27(2):83–94 (123 ref.) (Eng. Abstr.) **(Por)**

METABOLISM

Smoking, platelet reactivity and fibrinogen. Kutti J. **Adv Exp Med Biol** 1990;273:129–34 (37 ref.)
Studies on the localization of fibrinogen binding sites on platelet glycoprotein IIIa. Niewiarowski S, et al. **Adv Exp Med Biol** 1990;281:251–6 (32 ref.)
Development and application of assays for elastase-specific fibrinogen fragments. Weitz JI. **Ann N Y Acad Sci** 1991; 624:154–66 (54 ref.)

PHYSIOLOGY

Fibrin and the vessel wall. Kaplan KL, et al. **Adv Exp Med Biol** 1990;281:313–8 (20 ref.)
Adhesive interactions of platelets and their blockade. Hawiger J. **Ann N Y Acad Sci** 1991;614:270–8 (76 ref.)
Searching for the thrombogenic mechanism(s) of fibrinogen. Di Minno G, et al. **Thromb Res Suppl** 1990;11:61–7 (48 ref.)
Fibrinogen as a major risk factor in cardiovascular disease. Cook NS, et al. **Trends Pharmacol Sci** 1990 Nov; 11(11):444–51 (53 ref.)
[Endogenous peptides—physiological regulators of coagulative conversion of fibrinogen] Byshevskii ASh, et al. **Gematol Transfuziol** 1991 Apr;36(4):28–31 (24 ref.) **(Rus)**

FIBRINOGEN ADHESIVE see **FIBRIN TISSUE ADHESIVE**

FIBRINOGEN RECEPTOR see **PLATELET MEMBRANE GLYCOPROTEINS**

FIBRINOLIGASE see **PROTEIN-GLUTAMINE GAMMA-GLUTAMYLTRANSFERASE**

FIBRINOLYSIN

ANTAGONISTS & INHIBITORS

[Inhibition by ethanol and acetaldehyde the plasmin activity and plasminogen activation induced by urokinase and streptokinase] Roszkowska-Jakimiec W, et al. **Rocz Akad Med Bialymst** 1988–89;33–34:53–66 (14 ref.) (Eng. Abstr.) **(Pol)**

BIOSYNTHESIS

Plasminogen activation at the cell surface-matrix interface. Vaheri A, et al. **Cell Differ Dev** 1990 Dec 2;32(3):255–62 (39 ref.)

METABOLISM

Plasminogen receptors in the mediation of pericellular proteolysis. Plow EF, et al. **Cell Differ Dev** 1990 Dec 2; 32(3):293–8 (34 ref.)

PHYSIOLOGY

Fibrinolysin system and vasoactive kinins. Back N. **Fed Proc** 1966 Jan-Feb;25(1):77-83 (88 ref.)
The plasminogen-plasmin system. Henkin J, et al. **Prog Cardiovasc Dis** 1991 Sep-Oct;34(2):135-64 (308 ref.)

FIBRINOLYSIS

The regulation of the activation of the fibrinolysis system. Takada A, et al. **Adv Exp Med Biol** 1990;281:209-22 (67 ref.)
A critical review of the relationship between impaired fibrinolysis and myocardial infarction. Prins MH, et al. **Am Heart J** 1991 Aug;122(2):545-51 (40 ref.)
The fibrinolytic system of the vessel wall and its role in the control of thrombosis. Loskutoff DJ, et al. **Ann N Y Acad Sci** 1990;598:238-47 (97 ref.)
Endothelial cell fibrinolytic assembly. Nachman RL, et al. **Ann N Y Acad Sci** 1991;614:240-9 (44 ref.)
A critical review of the evidence supporting a relationship between impaired fibrinolytic activity and venous thromboembolism. Prins MH, et al. **Arch Intern Med** 1991 Sep;151(9):1721-31 (94 ref.)
Platelets, coagulation, and fibrinolysis in sickle cell disease: their possible role in vascular occlusion. Francis RB Jr. **Blood Coagul Fibrinolysis** 1991 Apr;2(2):341-53 (106 ref.)
The elastase-mediated pathway of fibrinolysis. Machovich R, et al. **Blood Coagul Fibrinolysis** 1990 Mar-Apr; 1(1):79-90 (167 ref.)
Functional significance of the fibrinolytic enzyme system. Guest MM. **Fed Proc** 1966 Jan-Feb;25(1):73-6 (23 ref.)
The compleat fibrinolyticist: a study in septophrenia. Moser KM. **Fed Proc** 1966 Jan-Feb;25(1):94-9 (41 ref.)
Thrombosis, fibrinolysis, and thrombolytic therapy: a perspective. Sherry S, et al. **Prog Cardiovasc Dis** 1991 Sep-Oct;34(2):89-100 (177 ref.)
Fibrinolysis and cancer. Kwaan HC, et al. **Semin Thromb Hemost** 1990 Jul;16(3):230-5 (74 ref.)
[Hemostasis, fibrinolysis, proteolysis: interaction with inflammatory reactions] Römisch J, et al. **Behring Inst Mitt** 1990 Oct;(86):129-45 (64 ref.) (Eng. Abstr.) **(Ger)**
[Clinical significance of the fibrinolysis system] Himmelreich G, et al. **Dtsch Med Wochenschr** 1991 Mar 15; 116(11):426-30 (65 ref.) **(Ger)**
[Lipoprotein-mediated functional changes in the fibrinolytic system in the genesis of atherosclerosis] García Frade LJ, et al. **Sangre (Barc)** 1991 Feb;36(1):25-8 (33 ref.) **(Spa)**

DRUG EFFECTS

Mechanism of action of the thrombolytic agents. Weitz JI. **Baillieres Clin Haematol** 1990 Jul;3(3):583-99 (129 ref.)
Does heparin stimulate fibrinolysis? Marsh N. **Br J Haematol** 1990 Oct;76(2):163-7 (69 ref.)
Antiplasmins. Norman PS. **Fed Proc** 1966 Jan-Feb;25(1):63-7 (28 ref.)
Fibrinolytic therapy: biochemical mechanisms. Robbins KC. **Semin Thromb Hemost** 1991 Jan;17(1):1-6 (34 ref.)
[Review: heparin. 2. Effect on thrombocytes, vascular walls and fibrinolysis] Kaše F, et al. **Folia Haematol (Leipz)** 1990; 117(6):905-15 (96 ref.) (Eng. Abstr.) **(Ger)**
[Inhibition by ethanol and acetaldehyde the plasmin activity and plasminogen activation induced by urokinase and streptokinase] Roszkowska-Jakimiec W, et al. **Rocz Akad Med Bialymst** 1988-89;33-34:53-66 (14 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

The role of fibrinolytic factors in ischaemia. Pandolfi M, et al. **Eye** 1991;5 (Pt 2):159-69 (135 ref.)
Regulation of plasminogen activator production by endothelial cells: role in fibrinolysis and local proteolysis. van Hinsbergh VW, et al. **Int J Radiat Biol** 1991 Jul-Aug; 60(1-2):261-72 (83 ref.)
Changes in the fibrinolytic system during pregnancy. Bonnar J, et al. **Semin Thromb Hemost** 1990 Jul;16(3):221-9 (36 ref.)
Pathologic fibrinolysis as a cause of clinical bleeding. Stump DC, et al. **Semin Thromb Hemost** 1990 Jul;16(3):260-73 (65 ref.)
The fibrinolytic enzyme system and its role in the etiology of thromboembolic disease. Wiman B, et al. **Semin Thromb Hemost** 1990 Jul;16(3):207-16 (92 ref.)
[Advances in fibrinolysis mediated by vascular endothelial cells] Zhou QS. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct; 21(4):318-22 (47 ref.) **(Chi)**
[Catecholamines and activation of fibrinolysis] Zhu GJ. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):62-4 (49 ref.) **(Chi)**
[New types of plasminogen activators] Pietrucha T, et al. **Postepy Biochem** 1990;36(3-4):33-40 (56 ref.) **(Pol)**

FIBRINOLYTIC AGENTS

Monoclonal antibodies to platelet glycoprotein IIb/IIIa as antithrombotic agents. Coller BS, et al. **Ann N Y Acad Sci** 1991;614:193-213 (74 ref.)
Clinical trials: current status and recommendations. Clagett GP. **J Vasc Surg** 1991 May;13(5):761-3 (16 ref.)
The anticoagulant and antithrombotic properties of hirudins. Märki WE, et al. **Thromb Haemost** 1990 Nov 30;64(3):344-8 (39 ref.)
[Flavonoids: antithrombotic agents or nutrients?] Anton R, et al. **Bull Acad Natl Med** 1990 Jun-Jul;174(6):709-14; discussion 714-7 (11 ref.) (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Bolus, front-loaded, and accelerated thrombolytic infusions for myocardial infarction and pulmonary embolism. Levine MN. **Chest** 1991 Apr;99(4 Suppl):128S-134S (42 ref.)
Antithrombotic agents: rationale and future directions. Salzman EW. **J Vasc Surg** 1991 May;13(5):761 (0 ref.)
Thrombolysis in acute myocardial infarction: need for a change in strategy and future directions. Pitt B. **Z Kardiol** 1990;79 Suppl 3:161-5 (25 ref.)
[Indications for interventional neuroradiology. Arterial lysis, angioplasty and embolizing procedures] Grzyska U, et al. **Fortschr Med** 1991 Mar 30;109(9):199-203 (23 ref.) (Eng. Abstr.) **(Ger)**
[Nonsurgical recanalization of tibial arteries. Balloon dilatation, local fibrinolysis and aspiration embolectomy] Teifke A, et al. **Fortschr Med** 1991 Mar 30;109(9):208-9 (9 ref.) (Eng. Abstr.) **(Ger)**
[Indications for percutaneous transluminal angioplasty and local thrombolysis in peripheral arterial occlusive disease] Marosi L, et al. **Vasa Suppl** 1990;30:46-9 (20 ref.) **(Ger)**

ADVERSE EFFECTS

Side-effects of antithrombotic therapy. Levine MN, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):815-29 (66 ref.)
Toxic effects of drugs used in the ICU. Anticoagulants and thrombolytics. Risks and benefits. Guidry JR, et al. **Crit Care Clin** 1991 Jul;7(3):533-54 (162 ref.)

CHEMICAL SYNTHESIS

Chemical synthesis of glycosaminoglycans: new approaches to antithrombotic drugs. Petitou M, et al. **Nature** 1991 Apr 18;350(6319 Suppl):30-3 (39 ref.)

PHARMACOLOGY

The pharmacology and clinical pharmacology of defibrotide: a new profibrinolytic, antithrombotic and anti-platelet substance. Ulutin ON, et al. **Adv Exp Med Biol** 1990; 281:429-38 (54 ref.)
Mechanism of action of the thrombolytic agents. Weitz JI. **Baillieres Clin Haematol** 1990 Jul;3(3):583-99 (129 ref.)
Platelet function tests in the assessment of antithrombotic agents [editorial; comment] Greaves M. **Br J Clin Pharmacol** 1990 Aug;30(2):175-7 (16 ref.) Comment on: Br J Clin Pharmacol 1990 Aug;30(2):179-86.
The pharmacology of aspirin, heparin, coumarin, and thrombolytic agents. Implications for therapeutic use in cardiopulmonary disease. Kessler CM. **Chest** 1991 Apr;99(4 Suppl):97S-112S (67 ref.)
Biochemical pharmacology and therapeutic aspects of thrombolytic agents. Fears R. **Pharmacol Rev** 1990 Sep; 42(3):201-22 (202 ref.)
Mode of action of heparin and related drugs. Hemker HC, et al. **Semin Thromb Hemost** 1991;17 Suppl 1:29-34 (35 ref.)
Fibrinolytic therapy: biochemical mechanisms. Robbins KC. **Semin Thromb Hemost** 1991 Jan;17(1):1-6 (34 ref.)
[Effects of fibrinolysis on late potentials in myocardial infarction] de Chillou C, et al. **Ann Cardiol Angeiol (Paris)** 1991 Feb;40(2):75-9 (44 ref.) (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

New developments in thrombolytic therapy. Collen D, et al. **Adv Exp Med Biol** 1990;281:333-54 (105 ref.)
Thrombolytic therapy. Quiões-Baldrich WJ, et al. **Adv Surg** 1991;24:103-37 (89 ref.)
Thrombolysis in refractory unstable angina. Brunelli C, et al. **Am J Cardiol** 1991 Sep 3;68(7):110B-118B (40 ref.)
Thrombolysis in postinfarction angina. Ouyang P, et al. **Am J Cardiol** 1991 Sep 3;68(7):119B-124B (36 ref.)
Antiplatelet and antithrombotic therapy in unstable angina. Théroux P. **Am J Cardiol** 1991 Sep 3;68(7):92B-98B (40 ref.)
Integration of anticoagulation, thrombolysis and coronary angioplasty for unstable angina pectoris. Topol EJ. **Am J Cardiol** 1991 Sep 3;68(7):136B-141B (36 ref.)
Thrombolytic therapy. Collen D, et al. **Ann N Y Acad Sci** 1991;614:259-69 (55 ref.)
Antithrombotic therapy in cardiovascular diseases. Future directions based on pathogenesis and risk. Ip JH, et al. **Ann N Y Acad Sci** 1991;614:289-311 (122 ref.)
Preventive strategies in management of acute myocardial infarction. Carroll G, et al. **Aust N Z J Med** 1990 Aug; 20(4):615-20 (57 ref.)
Fibrinolytic therapy in coronary artery disease. Gill JB, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):745-79 (113 ref.)
Thrombolytic therapy for venous thromboembolism. Goldhaber SZ. **Baillieres Clin Haematol** 1990 Jul; 3(3):693-704 (31 ref.)
Antithrombotic therapy for coronary artery disease and valvular heart disease. Israel DH, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):705-43 (121 ref.)
Antithrombotic treatment of cerebrovascular disease. Oczkowski WJ, et al. **Baillieres Clin Haematol** 1990 Jul; 3(3):781-813 (103 ref.)
Towards the development of improved thrombolytic agents. Lijnen HR, et al. **Br J Haematol** 1991 Mar;77(3):261-6 (58 ref.)
What is established in thrombolytic therapy of acute myocardial infarction? Pharmacological approaches. Kübler W, et al. **Cardiovasc Drugs Ther** 1988 May; 2(1):121-5 (17 ref.)
Reperfusion adjunctive therapy. Cairns JA. **Chest** 1991 Apr; 99(4 Suppl):141S-149S (63 ref.)
Recent advances in the diagnosis and lytic therapy of pulmonary embolism. Goldhaber SZ. **Chest** 1991 Apr;99(4 Suppl):173S-179S (28 ref.)
Laboratory parameters to monitor safety and efficacy during thrombolytic therapy. Hirsch DR, et al. **Chest** 1991 Apr; 99(4 Suppl):113S-120S (48 ref.)
Doppler ultrasound of the deep leg veins. A revolution in the diagnosis of deep vein thrombosis and monitoring of thrombolysis. Polak JF. **Chest** 1991 Apr;99(4 Suppl):165S-172S (34 ref.)
Principles of thrombolysis in pulmonary embolism. Prewitt RM. **Chest** 1991 Apr;99(4 Suppl):157S-164S (17 ref.)
Nonrheumatic atrial fibrillation. Risk of stroke and role of antithrombotic therapy. Cairns JA, et al. **Circulation** 1991 Aug;84(2):469-81 (78 ref.)
Left ventricular ejection fraction may not be useful as an end point of thrombolytic therapy comparative trials. Califf RM, et al. **Circulation** 1990 Nov;82(5):1847-53 (47 ref.)
Antithrombotic therapy in the coronary vein graft patient. Israel DH, et al. **Clin Cardiol** 1991 Apr;14(4):283-95 (76 ref.)
Thrombolytic agents in the treatment of stroke. Pessin MS, et al. **Clin Neuropharmacol** 1990 Aug;13(4):271-89 (102 ref.)
The role of intervention following thrombolysis for acute myocardial infarction. Hillis WS. **Eur Heart J** 1990 Aug; 11 Suppl F:56-60 (18 ref.)
In vivo models of arterial thrombosis and thrombolysis. Bush LR, et al. **FASEB J** 1990 Oct;4(13):3087-98 (59 ref.)
Topically applied antithrombotic agents offer a new therapeutic approach to the prevention of microvascular thrombosis. Cooley BC, et al. **Microsurgery** 1991; 12(4):281-7 (117 ref.)
Cardioprotective effects of defibrotide: a minireview. Pescador R, et al. **Semin Thromb Hemost** 1991;17 Suppl 1:96-100 (37 ref.)
Relevance of focal cerebral ischemia models. Experience with fibrinolytic agents. del Zoppo GJ. **Stroke** 1990 Dec; 21(12 Suppl):IV155-60 (63 ref.)
[The current aspects of antithrombotic therapy] Bücharova V. **Vutr Boles** 1990;29(3):14-20 (36 ref.) **(Bul)**
[Intravascular technics of cerebral revascularization] Théron J, et al. **J Mal Vasc** 1990;15(3):245-56 (37 ref.) (Eng. Abstr.) **(Fre)**
[Thrombolytic agents in cerebral infarctions] Rosa A, et al. **Rev Neurol (Paris)** 1991;147(2):99-110 (76 ref.) (Eng. Abstr.) **(Fre)**
[What is guaranteed in fibrinolytic therapy of deep venous thrombosis? (published erratum appears in Internist (Berl) 1991 Feb;32(2):108)] Seifried E. **Internist (Berl)** 1990 Nov; 31(11):689-97 (40 ref.) **(Ger)**
[Thrombolytic treatment of venous thrombosis] Straub H. **Verh Dtsch Ges Inn Med** 1990;96:343-54 (50 ref.) **(Ger)**
[Pharmacological basis of thrombolytic therapy] Kleking GP, et al. **Klin Med (Mosk)** 1990 Jun;68(6):13-9 (37 ref.) **(Rus)**
[Thrombolytic therapy of thromboembolic occlusive diseases of major arteries of the lower extremities] Rodionov SV, et al. **Vestn Khir** 1990 May;144(5):129-33 (40 ref.) **(Rus)**
[Thrombolysis and transluminal coronary angioplasty in acute myocardial infarction. Report of the Ischemic Cardiopathy Section of the Spanish Society of Cardiology] **Rev Esp Cardiol** 1990 Oct;43(8):519-26 (0 ref.) **(Spa)**
[The current indications for antithrombotic treatment in valve disease] del Río del Busto A, et al. **Rev Esp Cardiol** 1991 Mar;44(3):190-202 (89 ref.) **(Spa)**
[New methods accelerate the development of thrombolytic agents] Wiman B, et al. **Lakartidningen** 1991 Jan 9; 88(1-2):37, 40-1 (14 ref.) (Eng. Abstr.) **(Swe)**

FIBRINOLYTIC THERAPY see **THROMBOLYTIC THERAPY**

FIBRINOPEPTIDES A

PHYSIOLOGY

[Endogenous peptides--physiological regulators of coagulative conversion of fibrinogen] Byshevskiĭ ASh, et al. **Gematol Transfuziol** 1991 Apr;36(4):28-31 (24 ref.) **(Rus)**

FIBRINOPEPTIDES B

PHYSIOLOGY

[Endogenous peptides--physiological regulators of coagulative conversion of fibrinogen] Byshevskiĭ ASh, et al. **Gematol Transfuziol** 1991 Apr;36(4):28-31 (24 ref.) **(Rus)**

FIBROBLAST GROWTH FACTOR

The fibroblast growth factor family. Goldfarb M. **Cell Growth Differ** 1990 Sep;1(9):439-45 (99 ref.)

GENETICS

Characterization of int-2: a member of the fibroblast growth factor family. Dickson C, et al. **J Cell Sci Suppl** 1990; 13:87-96 (32 ref.)

METABOLISM

Modes of FGF release in vivo and in vitro. D'Amore PA. **Cancer Metastasis Rev** 1990 Nov;9(3):227-38 (57 ref.)

The affinity of fibroblast growth factors (FGFs) for heparin; FGF-heparan sulfate interactions in cells and extracellular matrix. Klagsbrun M. **Curr Opin Cell Biol** 1990 Oct; 2(5):857-63 (24 ref.)

Growth factor expression after stroke. Finklestein SP, et al. **Stroke** 1990 Nov;21(11 Suppl):III122-4 (20 ref.)

Multiple receptors found for the growing FGF family. Robinson CJ. **Trends Pharmacol Sci** 1991 Apr;12(4):123-4 (3 ref.)

PHYSIOLOGY

Growth factor-regulated pathways in epithelial cell proliferation. Aaronson SA, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S7-10 (47 ref.)

Fibroblast growth factor. Gospodarowicz D. **Crit Rev Oncog** 1989;1(1):1-26 (335 ref.)

The fibroblast growth factors: an emerging family of neural growth factors. Wagner JA. **Curr Top Microbiol Immunol** 1991;165:95-118 (145 ref.)

Fibroblast growth factor (FGF) and cytokines as feeding suppressants. Oomura Y. **Int J Obes** 1990;14 Suppl 3:105-12; discussion 112-3 (36 ref.)

The fibroblast growth factor family: structural and biological properties. Klagsbrun M. **Prog Growth Factor Res** 1989; 1(4):207-35 (222 ref.)

Fibroblast growth factor and transforming growth factor beta in early embryonic development. Paterno GD, et al. **Prog Growth Factor Res** 1989;1(2):79-88 (50 ref.)

FIBROBLAST GROWTH FACTOR, BASIC

ANALYSIS

Basic fibroblast growth factor and somatomedin C in human medulloepithelioma. Shiurba RA, et al. **Cancer** 1991 Aug 15;68(4):798-808 (102 ref.)

PHYSIOLOGY

Mechanisms controlling the extracellular activity of basic fibroblast growth factor and transforming growth factor. Rifkin DB, et al. **Ann N Y Acad Sci** 1991;614:250-8 (21 ref.)

Autocrine regulation of cell growth and transformation by basic fibroblast growth factor. Yayon A, et al. **Cancer Metastasis Rev** 1990 Nov;9(3):191-202 (94 ref.)

Extracellular matrix-resident basic fibroblast growth factor: implication for the control of angiogenesis. Vlodavsky I, et al. **J Cell Biochem** 1991 Feb;45(2):167-76 (43 ref.)

Basic fibroblast growth factor (bFGF), a multifunctional growth factor for neuroectodermal cells. Westermann R, et al. **J Cell Sci Suppl** 1990;13:97-117 (166 ref.)

FIBROBLAST INTERMEDIATE FILAMENT PROTEINS see **INTERMEDIATE FILAMENT PROTEINS**

FIBROBLASTS

[Genetic abnormalities in cultured cutaneous fibroblasts in SHR rats] Guicheney P, et al. **Arch Mal Coeur** 1990 Jul; 83(8):1301-3 (10 ref.) (Eng. Abstr.) **(Fre)**

CYTOLOGY

Role of cell-matrix contacts in cell migration and epithelial-mesenchymal transformation. Hay ED. **Cell Differ Dev** 1990 Dec 2;32(3):367-75 (40 ref.)

DRUG EFFECTS

Growth factor-responsive genes in fibroblasts. Bravo R. **Cell Growth Differ** 1990 Jun;1(6):305-9 (71 ref.)

Kinetic and molecular species analyses of mitogen-induced increases in diglycerides: evidence for stimulated hydrolysis of phosphoinositides and phosphatidylcholine. Raben DM, et al. **J Cell Biochem** 1990 Oct;44(2):117-25 (23 ref.)

ENZYMOLOGY

The role of stromal cells in tumor metastasis: a new link. van den Hooff A. **Cancer Cells** 1991 May;3(5):186-7 (15 ref.)

IMMUNOLOGY

Immune functions of subpopulations of lung fibroblasts. Phipps RP, et al. **Immunol Res** 1990;9(4):275-86 (39 ref.)

PATHOLOGY

Immunological modulation of dermal fibroblasts in scleroderma. Perlish JS, et al. **Immunol Ser** 1989;46:605-24 (78 ref.)

PHYSIOLOGY

Role of endogenous proteins as negative growth modulators during in vitro cellular aging of human diploid fibroblasts. Porter MB, et al. **Annu Rev Gerontol Geriatr** 1990;10:53-70 (103 ref.)

Mononuclear cell-fibroblast interactions in the human lung. Elias JA, et al. **Chest** 1991 Mar;99(3 Suppl):73S-79S (31 ref.)

Current concepts of the role of fibroblasts and extracellular matrix in wound healing and their relevance to oral implantology. Sloan P. **J Dent** 1991 Apr;19(2):107-9 (13 ref.)

Role of fibroblast subpopulations in periodontal physiology and pathology. McCulloch CA, et al. **J Periodont Res** 1991 May;26(3 (Pt 1)):144-54 (101 ref.)

[Fibroblasts and their significance in tissue reactions] Bobro LI. **Arkh Patol** 1990;52(12):65-8 (84 ref.) (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Re-evaluation of fibroblasts and fibroblast-like cells. Komuro T. **Anat Embryol (Berl)** 1990;182(2):103-12 (91 ref.)

Barrier cells in the spleen. Weiss L. **Immunol Today** 1991 Jan;12(1):24-9 (39 ref.)

Polarization of pseudopodial activities: cytoskeletal mechanisms. Vasiliev JM. **J Cell Sci** 1991 Jan;98 (Pt 1):1-4 (14 ref.)

FIBROCYSTIC DISEASE OF BREAST

Benign breast disease. An update. Sismondi P, et al. **Clin Exp Obstet Gynecol** 1990;17(2):53-116 (276 ref.)

DIAGNOSIS

[Breast cysts] Gorins A, et al. **Verh K Acad Geneeskd Belg** 1991;53(2):101-18; discussion 118-20 (25 ref.) (Eng. Abstr.) **(Fre)**

[Diagnosis and therapy of fibrocystic breast disease] Kubista E. **Zentralbl Gynakol** 1990;112(17):1091-6 (15 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

Clinical factors influencing the risk of breast cancer in women with gross cysts. Bundred NJ, et al. **Br J Clin Pract Symp Suppl** 1989 Nov;68:103-5; discussion 111-5 (14 ref.)

The cancer risk of breast cysts—pathological factors. Walker RA. **Br J Clin Pract Symp Suppl** 1989 Nov;68:106-10; discussion 111-5 (28 ref.)

ETIOLOGY

Pathogenesis of cystic disease of the breast. Dixon JM. **Br J Clin Pract Symp Suppl** 1989 Nov;68:90-3; discussion 111-5 (32 ref.)

METABOLISM

[Interaction between beta-endorphin, steroids and peptide hormones in fibrocystic lesions of the female breast] Schurz B. **Wien Klin Wochenschr Suppl** 1991;187:3-26 (163 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Is cystic disease related to breast cancer? Haagensen DE Jr. **Am J Surg Pathol** 1991 Jul;15(7):687-94 (61 ref.)

PHYSIOPATHOLOGY

[Endocrinology and therapy of breast diseases] Breckwoldt M. **Zentralbl Gynakol** 1990;112(17):1097-9 (3 ref.) (Eng. Abstr.) **(Ger)**

ULTRASONOGRAPHY

Breast sonography. Bassett LW, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):449-55 (44 ref.)

The role of US in breast imaging. Jackson VP. **Radiology** 1990 Nov;177(2):305-11 (69 ref.)

FIBROCYSTIC DISEASE OF PANCREAS see **CYSTIC FIBROSIS**

FIBROCYSTIC MASTOPATHY see **FIBROCYSTIC DISEASE OF BREAST**

FIBRODYSPLASIA OSSIFICANS PROGRESSIVA see **MYOSITIS OSSIFICANS**

FIBROID see **FIBROMA**

FIBROIDS, UTERINE see **UTERINE NEOPLASMS**

FIBROIN

GENETICS

[Heterogeneous codon usage patterns within genes] Mita K, et al. **Tanpakushitsu Kakusan Koso** 1990 Aug; 35(11):2011-21 (37 ref.) **(Jpn)**

FIBROMA

see related
TUBEROUS SCLEROSIS

Inflammatory pseudotumor in childhood. A diagnostic and therapeutic dilemma. Freud E, et al. **Arch Surg** 1991 May; 126(5):653-5 (24 ref.)

Juvenile fibromatosis of the orbit: a case report with review of the literature. Campbell RJ, et al. **Br J Ophthalmol** 1991 May;75(5):313-6 (25 ref.)

Desmoplastic fibroma of the maxillary sinus. Report of a case and review of the literature. Hashimoto K, et al. **Oral Surg Oral Med Oral Pathol** 1991 Jul;72(1):126-32 (50 ref.)

Fibromyxoma of bone. Abdelwahab IF, et al. **Skeletal Radiol** 1991;20(2):95-8 (7 ref.)

COMPLICATIONS

Sudden unexpected death due to papillary fibroma of the aortic valve. Report of a case and review of the literature. Amr SS, et al. **Am J Forensic Med Pathol** 1991 Jun; 12(2):143-8 (26 ref.)

DIAGNOSIS

Preoperative endoscopic diagnosis of fibroepithelial polyp of the renal pelvis: a case report and review of the literature. Macfarlane MT, et al. **J Urol** 1991 Mar; 145(3):549-51 (12 ref.)

Magnetic resonance appearance of fibromatosis. A report of 14 cases and review of the literature. Kransdorf MJ, et al. **Skeletal Radiol** 1990;19(7):495-9 (14 ref.)

Inflammatory pseudotumor of the liver. Jackson RB, et al. **Surgery** 1991 Mar;109(3 Pt 1):329-32 (6 ref.)

[Ledderhose's disease. Report of 7 cases] Dartoy C, et al. **J Chir (Paris)** 1990 Nov;127(11):533-6 (14 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Endocrine therapy for desmoid tumors. Wilcken N, et al. **Cancer** 1991 Sep 15;68(6):1384-8 (30 ref.)

Chemotherapy for children with aggressive fibromatosis and Langerhans' cell histiocytosis. Raney RB Jr. **Clin Orthop** 1991 Jan;(262):58-63 (39 ref.)

ETIOLOGY

Multiple dermatofibromas in patients with autoimmune disorders receiving immunosuppressive therapy. Cohen PR. **Int J Dermatol** 1991 Apr;30(4):266-70 (20 ref.)

PATHOLOGY

Inflammatory pseudotumor of the spleen. Report of two cases with a review of the literature. Monforte-Muñoz H, et al. **Am J Clin Pathol** 1991 Oct;96(4):491-5 (17 ref.)

Inflammatory pseudotumour of the urinary bladder. Coyne JD, et al. **Histopathology** 1991 Mar;18(3):261-4 (16 ref.)

Inflammatory pseudotumor of the lung in a child with mycoplasma pneumonia. Park SH, et al. **J Korean Med Sci** 1990 Dec;5(4):213-23 (45 ref.)

[Desmoid tumors] Armaroli R, et al. **G Chir** 1988 Jan; 9(1):40-2 (12 ref.) (Eng. Abstr.) **(Ita)**

[A case of inflammatory fibroid polyp of the ileum—Review of inflammatory fibroid polyp of small intestine in Japan] Fujiyama K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 May;88(5):1245-9 (15 ref.) **(Jpn)**

SURGERY

Inflammatory pseudotumors of the spleen. Safran D, et al. **Arch Surg** 1991 Jul;126(7):904-8 (21 ref.)

Elastofibroma dorsi: report of two cases and literature review. Brown GW. **Wis Med J** 1991 Jun;90(6):281-4 (12 ref.)

[Ossifying fibroma of the cranial vault. Case report] Shose Y, et al. **Neurol Med Chir (Tokyo)** 1990;30(11 Spec No):879-83 (27 ref.) (Eng. Abstr.) **(Jpn)**

[A case report of spontaneous mesenteric fibromatosis] Nakajima S, et al. **Nippon Geka Gakkai Zasshi** 1991 Jan; 92(1):93-6 (16 ref.) (Eng. Abstr.) **(Jpn)**

FIBROMA, SHOPE see **TUMOR VIRUS INFECTIONS**

FIBROMATOSIS GINGIVAE

PATHOLOGY

[Heterogeneity in gingival fibromatosis] Takagi M, et al. **Kokubyo Gakkai Zasshi** 1990 Dec;57(4):595-611 (178 ref.) (Eng. Abstr.) **(Jpn)**

FIBROMUSCULAR DYSPLASIA

COMPLICATIONS

Digital artery embolization as a result of fibromuscular dysplasia of the brachial artery. Cheu HW, et al. **J Vasc Surg** 1991 Aug;14(2):225-8 (20 ref.)

Left external iliac artery dissection and bilateral renal artery aneurysms secondary to fibromuscular dysplasia: a case report. Patel KS, et al. **Neth J Surg** 1990 Aug;42(4):118-20 (24 ref.)

PATHOLOGY

Pathogenesis of restenosis. A correlation of clinical observations with cellular responses. Haudenschild CC. **Z Kardiol** 1990;79 Suppl 3:17–22 (46 ref.)

RADIOGRAPHY

Fibromuscular dysplasia of common carotid artery. A case report. Phadke RV, et al. **Australas Radiol** 1990 Nov; 34(4):350–2 (18 ref.)

SURGERY

Management of renovascular disease. A surgical perspective. Novick AC. **Circulation** 1991 Feb;83(2 Suppl):I167–71 (46 ref.)

[Successful intraoperative angioplasty in bilateral fibromuscular dysplasia of the internal carotid arteries] Horváth T, et al. **Orv Hetil** 1991 Aug 18;132(33):1819–22 (27 ref.) (Eng. Abstr.) **(Hun)**

FIBROMYALGIA

see related
FATIGUE SYNDROME, CHRONIC

COMPLICATIONS

Muscle pain in neuromuscular disorders and primary fibromyalgia. Henriksson KG. **Neurologija** 1989; 38(3):213–21 (25 ref.)

DIAGNOSIS

Current thinking on fibromyalgia syndrome. Reilly PA, et al. **Aust Fam Physician** 1990 Oct;19(10):1505–8, 1511–2, 1516 (9 ref.)

[Chronic fatigue syndrome, fibromyalgia and depression] Martin-Du-Pan R. **Rev Med Suisse Romande** 1990 Oct; 110(10):923–8 (0 ref.) **(Fre)**

[The course and topography of pain in generalized tendomyopathies] Brückle W, et al. **Z Rheumatol** 1991;50 Suppl 1:19–28 (36 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

[Is fibrositis an immuno-rheumatologic disease?] Leroux JL, et al. **Rev Rhum Mal Osteoartic** 1990 Jul–Sep;57(7–8):513–6 (12 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Fibromyalgia, chronic fatigue syndrome, and myofascial pain syndrome. Goldenberg DL. **Curr Opin Rheumatol** 1991 Apr;3(2):247–58 (91 ref.)

Fibromyalgia. Wolfe F. **Rheum Dis Clin North Am** 1990 Aug; 16(3):681–98 (61 ref.)

PHYSIOPATHOLOGY

Fibromyalgia--a clinical entity? Henriksson KG, et al. **Can J Physiol Pharmacol** 1991 May;69(5):672–7 (40 ref.)

Fibrositis/fibromyalgia syndrome: the key to the puzzle of chronic pain [see comments] Reilly PA, et al. **Med J Aust** 1990 Mar 5;152(5):226–8 (56 ref.) Comment in: Med J Aust 1990 Sep 3;153(5):302–3.

Toward an integrated understanding of fibromyalgia syndrome. I. Medical and pathophysiological aspects. Boissevain MD, et al. **Pain** 1991 Jun;45(3):227–38 (118 ref.)

PSYCHOLOGY

Toward an integrated understanding of fibromyalgia syndrome. II. Psychological and phenomenological aspects. Boissevain MD, et al. **Pain** 1991 Jun;45(3):239–48 (77 ref.)

[Soft tissue pain and psychiatric evaluation] Marelli R. **Z Unfallchir Versicherungsmed** 1991;84(1):34–42 (14 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Fibromyalgia--which is the best treatment? A personalized, comprehensive, ambulatory, patient-involved management programme. Masi AT, et al. **Baillieres Clin Rheumatol** 1991 Aug;4(2):333–70 (15 ref.)

FIBRONECTINS

Fibronectin. Liwnicz BH, et al. **Immunol Ser** 1990;53:537–54 (149 ref.)

ANALYSIS

Biochemical markers of hepatic fibrosis. Plebani M, et al. **Clin Biochem** 1991 Jun;24(3):219–39 (273 ref.)

BIOSYNTHESIS

Expression of tenascin and of the ED-B containing oncofetal fibronectin isoform in human cancer. Nicolò G, et al. **Cell Differ Dev** 1990 Dec 2;32(3):401–8 (28 ref.)

BLOOD

[Clinical value of determining the fibronectin level in internal diseases] Ena IaM, et al. **Klin Med (Mosk)** 1991 Feb; 69(2):24–30 (67 ref.) **(Rus)**

[Functional activity of thrombocytes and granulocytes of donor blood after selective removal of fibronectin] Mamtseva GI, et al. **Vestn Akad Med Nauk SSSR** 1991; (2):45–6 (10 ref.) (Eng. Abstr.) **(Rus)**

[Plasma fibronectin level in patients with chronic diseases of the liver] Topchil NV, et al. **Vestn Akad Med Nauk SSSR** 1991;(2):53–4 (10 ref.) (Eng. Abstr.) **(Rus)**

CHEMISTRY

[Comparative characteristics of animal fibronectins. Physico-chemical and biological properties] Fedotov AV, et al. **Vestn Akad Med Nauk SSSR** 1991;(2):42–4 (26 ref.) **(Rus)**

DEFICIENCY

[The reticuloendothelial system of the liver in patients with peritonitis (diagnosis and correction of disorders)] Zhadkevich MM, et al. **Vestn Khir** 1990 Aug;145(8):149–53 (46 ref.) **(Rus)**

GENETICS

Glycoprotein synthesis and secretion. Expression of fibronectin and its cell surface receptors. Dean DC, et al. **Am Rev Respir Dis** 1991 Sep;144(3 Pt 2):S25–8 (54 ref.)

Adhesive recognition sequences. Yamada KM. **J Biol Chem** 1991 Jul 15;266(20):12809–12 (68 ref.)

IMMUNOLOGY

[Fibronectin and immune complexes in rheumatic diseases] Mazepa MA. **Vestn Akad Med Nauk SSSR** 1991;(4):57–61 (46 ref.) (Eng. Abstr.) **(Rus)**

METABOLISM

Mechanisms for organization of fibronectin matrix. Fogerty FJ, et al. **Cell Differ Dev** 1990 Dec 2;32(3):439–50 (75 ref.)

Multiple ligand binding functions for VLA-2 (alpha 2 beta 1) and VLA-3 (alpha 3 beta 1) in the integrin family. Hemler ME, et al. **Cell Differ Dev** 1990 Dec 2;32(3):229–38 (32 ref.)

Fibronectin-staphylococcal interactions in endovascular infections. Proctor RA. **Int J Med Microbiol** 1990 Dec; 274(3):342–9 (48 ref.)

[Contribution of proteolytic enzymes to the knowledge of biologic functions of fibronectin] Labat-Robert J. **Pathol Biol (Paris)** 1990 Dec;38(10):1005–9 (43 ref.) (Eng. Abstr.) **(Fre)**

[The role of fibronectin in the pathogenesis of pneumoconiosis (review of the literature)] Iaglov VV, et al. **Gig Tr Prof Zabol** 1991;(2):29–30 (12 ref.) **(Rus)**

[The role of fibronectin in the development of fibrosis] Iaglov VV, et al. **Vestn Akad Med Nauk SSSR** 1991;(2):50–2 (18 ref.) (Eng. Abstr.) **(Rus)**

[Fibronectin and pregnancy] Sebko TV, et al. **Vestn Akad Med Nauk SSSR** 1991;(2):46–50 (50 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Assembly of fibronectin into extracellular matrix. Mosher DF, et al. **Ann N Y Acad Sci** 1991;614:167–80 (61 ref.)

Fibronectin: structure, function and significance in wound healing. Brotchie H, et al. **Australas J Dermatol** 1990; 31(1):47–56 (86 ref.)

Interaction of lipoprotein(a) with fibronectin and its potential role in atherogenesis. Ehnholm C, et al. **Eur Heart J** 1990 Aug;11 Suppl E:190–5 (43 ref.)

Fibronectin. Arseni C, et al. **Rom J Neurol Psychiatry** 1990 Jan-Mar;28(1):3–13 (45 ref.)

[Fibronectin as a polyfunctional regulator of blood cells and tissues] Fedorov NA. **Vestn Akad Med Nauk SSSR** 1991; (2):26–8 (19 ref.) (Eng. Abstr.) **(Rus)**

[The role of fibronectin and possible participation of its proteolytic fragments in the changes in cell behavior] Zlatopol'skiĭ AD. **Vestn Akad Med Nauk SSSR** 1991; (2):36–42 (58 ref.) (Eng. Abstr.) **(Rus)**

[Soluble fibronectin: its biologic functions and role in the parasite-host system] Lyzlova LV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Sep;(9):112–20 (33 ref.) **(Rus)**

THERAPEUTIC USE

Therapeutic administration of fibronectin: current uses and potential applications. Yoder MC. **Clin Perinatol** 1991 Jun; 18(2):325–41 (67 ref.)

ULTRASTRUCTURE

Fibronectin: a flexible image. Vuento M, et al. **Electron Microsc Rev** 1988;1(2):341–50 (37 ref.)

FIBROSARCOMA

[Radiation-induced sarcoma, apropos of a case with cervical and intrapetrous development] Darrouzet V, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(3):247–50 (14 ref.) (Eng. Abstr.) **(Fre)**

CONGENITAL

Cytogenetic analysis of a congenital fibrosarcoma. Adam LR, et al. **Cancer Genet Cytogenet** 1991 Mar;52(1):37–41 (21 ref.)

ETIOLOGY

Fibrosarcoma of the scalp following postoperative radiotherapy for medulloblastoma. Prasad ML, et al. **Acta Neurochir (Wien)** 1991;109(3–4):145–9 (22 ref.)

GENETICS

Cytogenetic analysis of a congenital fibrosarcoma. Adam LR, et al. **Cancer Genet Cytogenet** 1991 Mar;52(1):37–41 (21 ref.)

PATHOLOGY

Dermatofibrosarcoma protuberans of the vulva. Leake JF, et al. **Gynecol Oncol** 1991 Jun;41(3):245–9 (21 ref.)

[Correlation between epithelioid sarcoma and poorly differentiated fibroblastic synovialosarcoma] Bouziani A, et al. **Arch Anat Cytol Pathol** 1991;39(1–2):34–7 (8 ref.) (Eng. Abstr.) **(Fre)**

RADIOTHERAPY

Follow-up by 31P NMR spectroscopy of the energy metabolism of malignant tumor in rats during treatment. Allavena C, et al. **Radiother Oncol** 1991 May;21(1):48–52 (30 ref.)

SURGERY

Dermatofibrosarcoma protuberans of the toe. Kraemer BA, et al. **Ann Plast Surg** 1990 Oct;25(4):295–8 (45 ref.)

FIBROSIS

BLOOD

[Clinical significance of serum concentration of connective tissue components in cases of organic fibroses] Kropf J, et al. **Z Med Lab Diagn** 1991;32(3–4):150–8 (13 ref.) **(Ger)**

IMMUNOLOGY

Mast cells in murine graft-versus-host disease: a model of immunologically induced fibrosis. Choi KL, et al. **Immunol Ser** 1989;46:641–51 (39 ref.)

FIBROSIS, BONE MARROW see **MYELOFIBROSIS**

FIBROSIS, LIVER see **LIVER CIRRHOSIS**

FIBROSITIS see **FIBROMYALGIA**

FIBROUS DYSPLASIA OF BONE

COMPLICATIONS

[Solomon's syndrome associated with fibrous dysplasia of bone and vitamin-resistant rickets] Feldmann JL, et al. **Rev Rhum Mal Osteoartic** 1990 Dec;57(12):881–4 (37 ref.) **(Fre)**

ETIOLOGY

Paget's disease and fibrous dysplasia. Wallach S. **Curr Opin Rheumatol** 1991 Jun;3(3):472–80 (48 ref.)

GENETICS

[Osteoglophonic skeletal dysplasia--a variant of generalized fibrous dysplasia? Case report and review of the literature] Stöss H, et al. **Pathologe** 1991 May;12(3):161–6 (9 ref.) **(Ger)**

PATHOLOGY

Paget's disease and fibrous dysplasia. Ryan WG. **Curr Opin Rheumatol** 1990 Feb;2(1):8–11 (23 ref.)

FIBROUS DYSPLASIA, POLYOSTOTIC

COMPLICATIONS

Polyostotic fibrous dysplasia and acromegaly. Kupcha PC, et al. **J Pediatr Orthop** 1991 Jan-Feb;11(1):95–9 (18 ref.)

FIBULA

ABNORMALITIES

Mesomelic dysplasia with absence of fibulae and hexadactyly: Nievergelt syndrome or new syndrome? Petrella R, et al. **Am J Med Genet** 1990 Sep;37(1):10–4 (16 ref.)

The Weismann-Netter syndrome: a cause of bowed legs in childhood. Francis GL, et al. **Pediatrics** 1991 Aug; 88(2):334–7 (10 ref.)

INJURIES

Lateral ankle instability associated with dislocation of the peroneal tendons treated by the Chrisman-Snook procedure. A case report and literature review. Sobel M, et al. **Am J Sports Med** 1990 Sep-Oct;18(5):539–43 (39 ref.)

[Role of the fibula in distal tibial fracture] Heim U. **Z Unfallchir Versicherungsmed** 1990;83(4):187–95 (16 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Subluxing peroneal tendons. An anatomic approach. Smith TF, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):555–77 (13 ref.)

TRANSPLANTATION

Free vascularized fibula transfer in the management of congenital pseudarthrosis of the tibia. Manoylovic R, et al. **Microsurgery** 1991;12(3):170–4 (27 ref.)

FILARIA BANCROFTI see **WUCHERERIA BANCROFTI**

FILARIA SANGUINIS HOMINIS see **WUCHERERIA BANCROFTI**

FILARIAL ELEPHANTIASIS see **ELEPHANTIASIS, FILARIAL**

FILARIASIS

IMMUNOLOGY

Regulation of the immune response in lymphatic filariasis and onchocerciasis. King CL, et al. **Immunol Today** 1991 Mar;12(3):A54–8 (50 ref.)

PREVENTION & CONTROL

Molecular parasitology: progress towards the development of vaccines for malaria, filariasis, and schistosomiasis. Cryz SJ Jr. **Experientia** 1991 Feb 15;47(2):146–51 (50 ref.)

Success of integrated methods of control of mosquitoes in India—a review. Yadava RL, et al. **J Commun Dis** 1990 Jun;22(2):79–85 (13 ref.)

TRANSMISSION

The vector host link in filariasis. Wenk P. **Ann Trop Med Parasitol** 1991 Feb;85(1):139–47 (30 ref.)

FILARIASIS, LYMPHATIC see **ELEPHANTIASIS, FILARIAL**

FILARIOIDEA

METABOLISM

Arachidonic acid metabolism in filarial parasites. Liu LX, et al. **Exp Parasitol** 1990 Nov;71(4):496–501 (33 ref.)

PHYSIOLOGY

Mosquito host influences on development of filariae. Townson H, et al. **Ann Trop Med Parasitol** 1991 Feb; 85(1):149–63 (98 ref.)

FILARIOIDEA INFECTIONS see **FILARIASIS**

FILM-SCREEN SYSTEMS, X-RAY see **X-RAY INTENSIFYING SCREENS**

FILTRATION

INSTRUMENTATION

[Perforation of a loop of the small intestine by a Kim-Ray Greenfield endocaval filter. Report of a case] Drevet D, et al. **Ann Radiol (Paris)** 1990;33(6):347–50 (27 ref.) (Eng. Abstr.) **(Fre)**

METHODS

[Additives in DIN regulations] Prüfrock W, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:103–10 (6 ref.) **(Ger)**

FILUM TERMINALE see **CAUDA EQUINA**

FIMBRIAE, BACTERIAL see **PILI, BACTERIAL**

FINANCIAL MANAGEMENT

see related
INCOME

ORGANIZATION & ADMINISTRATION

Financing geriatric programs in community health centers. Yeatts DE, et al. **Public Health Rep** 1991 Jul–Aug; 106(4):375–83 (7 ref.)

FINANCING, GOVERNMENT

The perspectives of federal programs. Adelson R. **J Am Coll Dent** 1991 Summer;58(2):26–30 (34 ref.)

ECONOMICS

Public and private donor financing for health in developing countries. Howard LM. **Infect Dis Clin North Am** 1991 Jun;5(2):221–34 (11 ref.)

LEGISLATION & JURISPRUDENCE

Financing health care for persons with HIV infection: guidelines for state action. Fox DM. **Am J Law Med** 1990; 16(1–2):223–47 (74 ref.)

TRENDS

Strategies for integrating public mental health services. Mechanic D. **Hosp Community Psychiatry** 1991 Aug; 42(8):797–801 (30 ref.)

FINANCING, ORGANIZED

Long-term care financing: problems and progress. Wiener JM, et al. **Annu Rev Public Health** 1991;12:67–84 (33 ref.)

STATISTICS & NUMERICAL DATA

Health care financing for severe developmental disabilities. Birenbaum A, et al. **Monogr Am Assoc Ment Retard** 1990; (14):1–150 (134 ref.)

FINANCING, PERSONAL

STATISTICS & NUMERICAL DATA

All-payer rate-setting and the provision of hospital care to the uninsured: the New Jersey experience. Rosko MD. **J Health Polit Policy Law** 1990 Winter;15(4):815–31 (31 ref.)

FINANCING, PUBLIC see **FINANCING, GOVERNMENT**

FINGER INJURIES

DIAGNOSIS

Management of common finger injuries. Hoffman DF, et al. **Am Fam Physician** 1991 May;43(5):1594–607 (13 ref.)

SURGERY

A complication of the buried suture. Kinninmonth AW. **J Hand Surg [Am]** 1990 Nov;15(6):959–60 (1 ref.)

Sensory recovery following digital replantation. Glickman LT, et al. **Microsurgery** 1990;11(3):236–42 (52 ref.)

[Nerve graft of collateral branches of fingers. Report of a series of 16 reviewed cases] Dumontier C, et al. **Rev Chir Orthop** 1990;76(5):311–6 (18 ref.) (Eng. Abstr.) **(Fre)**

[Management of open, potentially infected hand injuries with bone defect by delayed early bone substitution] Cziffer E, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1990; 33(4):297–302 (23 ref.) (Eng. Abstr.) **(Hun)**

[Finger replantation] Nyárády J, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1990; 33(4):261–9 (23 ref.) (Eng. Abstr.) **(Hun)**

[The role of an external mini-fixator in the management of infected injuries of the hand] Péley I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1990; 33(4):277–81 (22 ref.) (Eng. Abstr.) **(Hun)**

FINGER JOINT

Osteoarthritis of the carpometacarpal joint of the thumb. Strickland JW, et al. **Indiana Med** 1990 Nov;83(11):828–30 (2 ref.)

Osteoarthritis of the proximal interphalangeal joint. Strickland JW, et al. **Indiana Med** 1990 Dec;83(12):908–10 (4 ref.)

PATHOLOGY

A complication of the buried suture. Kinninmonth AW. **J Hand Surg [Am]** 1990 Nov;15(6):959–60 (1 ref.)

RADIOGRAPHY

Evaluation of joint disease in the adult hand and wrist. Buckwalter KA, et al. **Hand Clin** 1991 Feb;7(1):135–51 (48 ref.)

Arthrography of the hand and wrist. Mrose HE, et al. **Hand Clin** 1991 Feb;7(1):201–17 (69 ref.)

SURGERY

Factors influencing the results of implant surgery in the rheumatoid hand. Nalebuff EA. **J Hand Surg [Br]** 1990 Nov;15(4):395–403 (0 ref.)

[Compound vascularized island joint transfer in hand surgery. Apropos of a series of 16 cases] Foucher G, et al. **Rev Chir Orthop** 1991;77(1):34–41 (42 ref.) (Eng. Abstr.) **(Fre)**

FINGERPRINTS, DNA see **DNA FINGERPRINTING**

FINGERPRINTS, PEPTIDE see **PEPTIDE MAPPING**

FINGERS

Primary osteosarcoma of a phalanx. Finci R, et al. **J Hand Surg [Br]** 1991 May;16(2):204–7 (11 ref.)

Renal cell carcinoma with acrometastasis: report of two cases and review of the literature. Troncoso A, et al. **Mod Pathol** 1991 Jan;4(1):66–9 (28 ref.)

Trigger finger secondary to anomalous lumbrical insertion: a case report and review of the literature. Bartell TH, et al. **Plast Reconstr Surg** 1991 Feb;87(2):354–7 (45 ref.)

[Achromic ungual melanoma. Apropos of a case] Filloux JF, et al. **Ann Chir Main Memb Super** 1991;10(2):181–3 (18 ref.) (Eng. Abstr.) **(Fre)**

[Psoriatic acropachydermy] Marguery MC, et al. **Ann Dermatol Venereol** 1991;118(5):373–6 (16 ref.) (Eng. Abstr.) **(Fre)**

ABNORMALITIES

Adams-Oliver syndrome associated with congenital heart defect: not a coincidence. [letter] David A, et al. **Am J Med Genet** 1991 Jul 1;40(1):126–7 (5 ref.)

The cerebro-reno-digital syndromes: a new community. Lurie IW, et al. **Clin Genet** 1991 Feb;39(2):104–13 (34 ref.)

The role of nonvascularized toe phalanx transplantation. Buck-Gramcko D. **Hand Clin** 1990 Nov;6(4):643–59 (35 ref.)

Digital augmentation for ectrodactyly: management and planning. Peimer CA, et al. **Hand Clin** 1990 Nov; 6(4):607–15 (35 ref.)

Nager's acrofacial dysostosis. Case report and review of the literature. Danziger I, et al. **Int J Pediatr Otorhinolaryngol** 1990 Dec;20(3):225–40 (28 ref.)

Holoprosencephaly-polydactyly ('pseudotrisomy 13') syndrome: a syndrome with features of hydrolethalus and Smith-Lemli-Opitz syndromes. A collaborative multicentre study. Verloes A, et al. **J Med Genet** 1991 May; 28(5):297–303 (34 ref.)

Tetra-oligodactyly with bilateral aplasia and hypoplasia of long bones of upper and lower limbs: a variable manifestation of the syndrome of ectrodactyly with tibial aplasia. Sener RN, et al. **Pediatr Radiol** 1990;21(1):57–61 (11 ref.)

[Clinodactyly in children. Apropos of 34 cases. Therapeutic choices] Martinot-Duquenoy V, et al. **Chir Pediatr** 1990; 31(6):337–40 (11 ref.) (Eng. Abstr.) **(Fre)**

[Polydactyly of the hands. Recommendation for expanded classification] Schrader M. **Handchir Mikrochir Plast Chir** 1991 May;23(3):115–27 (52 ref.) (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Digital artery embolization as a result of fibromuscular dysplasia of the brachial artery. Cheu HW, et al. **J Vasc Surg** 1991 Aug;14(2):225–8 (20 ref.)

[Barré-Masson glomus tumors] Kurguzov OP, et al. **Khirurgiia (Mosk)** 1991 Mar;(3):134–41 (114 ref.) **(Rus)**

INNERVATION

[Nerve graft of collateral branches of fingers. Report of a series of 16 reviewed cases] Dumontier C, et al. **Rev Chir Orthop** 1990;76(5):311–6 (18 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Sensory recovery following digital replantation. Glickman LT, et al. **Microsurgery** 1990;11(3):236–42 (52 ref.)

RADIOGRAPHY

Congenital onychodysplasia of the index fingers: a case involving the thumbnails. Kikuchi I. **Semin Dermatol** 1991 Mar;10(1):7–11 (21 ref.)

SURGERY

Progress in limb and digital replantation: Part B. Berger A, et al. **World J Surg** 1990 Nov–Dec;14(6):807–18 (54 ref.)

Progress in limb and digital replantation: Part A—Introduction. Chen ZW. **World J Surg** 1990 Nov–Dec; 14(6):804–6 (9 ref.)

FIREARMS

see related
WOUNDS, GUNSHOT

FIRES

see related
BURNS, INHALATION
SMOKE INHALATION INJURY

Prevention of HIV transmission in the workplace: category II (emergency service) workers. Mueller K. **Am Ind Hyg Assoc J** 1991 Feb;52(2):A104–7 (13 ref.)

Fire fighters and risk of cancer: an assessment and overview of the epidemiologic evidence. Howe GR, et al. **Am J Epidemiol** 1990 Dec;132(6):1039–50 (26 ref.)

Reproductive hazards of fire fighting. I. Non-chemical hazards. Agnew J, et al. **Am J Ind Med** 1991;19(4):433–45 (86 ref.)

Reproductive hazards of fire fighting. II. Chemical hazards. McDiarmid MA, et al. **Am J Ind Med** 1991;19(4):447–72 (164 ref.)

Electrosurgery-induced endotracheal tube ignition during tracheotomy. Aly A, et al. **Ann Otol Rhinol Laryngol** 1991 Jan;100(1):31–3 (6 ref.)

Prolonged asthma after smoke inhalation: a report of three cases and a review of previous reports. Moisan TC. **J Occup Med** 1991 Apr;33(4):458–61 (42 ref.)

Acute toxicology of components of vegetation smoke. Dost FN. **Rev Environ Contam Toxicol** 1991;119:1–46 (122 ref.)

[Abnormalities of respiratory function in civil defence

firefighter–submarine divers. Respective role of diving and occupational exposure related to occupational firefighter's functions] Barthelemy L, et al. **Rev Pneumol Clin** 1990; 46(6):271–6 (34 ref.) (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

[Prevention of fire in the hyperbaric chamber] De Salvo R, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):591–9 (11 ref.) **(Ita)**

FIRST AID

[Clinical management problems in mass accidents] Friedl HP, et al. **Chirurg** 1991 Apr;62(4):239–42 (10 ref.) (Eng. Abstr.) **(Ger)**

[First aid for severely injured patients in mass accidents] Hartel W, et al. **Chirurg** 1991 Apr;62(4):233–8 (15 ref.) **(Ger)**

[Mass accidents from the anesthesiologic viewpoint] Tassani P, et al. **Chirurg** 1991 Apr;62(4):243–6 (17 ref.) **(Ger)**

[Preclinical lysis in acute myocardial infarct. A determination of its place] Trenkwalder P, et al. **Dtsch Med Wochenschr** 1991 Jun 21;116(25):992–5 (24 ref.) **(Ger)**

[The organization of medical first aid in catastrophes] Gazetov BM, et al. **Voen Med Zh** 1990 Oct;(10):17–20 (0 ref.) **(Rus)**

FIRST–PASS RADIONUCLIDE ANGIOGRAPHY see **VENTRICULOGRAPHY, FIRST–PASS**

FIRST–PASS VENTRICULOGRAPHY see **VENTRICULOGRAPHY, FIRST–PASS**

FISCHER RATS see **RATS, INBRED F344**

FISH DISEASES

CHEMICALLY INDUCED

Carcinogens and cancers in freshwater fishes. Black JJ, et al. **Environ Health Perspect** 1991 Jan;90:27–33 (65 ref.)

Electrophiles and acute toxicity to fish. Hermens JL. **Environ Health Perspect** 1990 Jul;87:219–25 (32 ref.)

Relationships between hepatic neoplasms and related lesions and exposure to toxic chemicals in marine fish from the U.S. West Coast. Myers MS, et al. **Environ Health Perspect** 1991 Jan;90:7–15 (44 ref.)

DRUG THERAPY

Antibiotic pollution from fish farms: effects on aquatic microflora. Austin B. **Microbiol Sci** 1985;2(4):113–7 (16 ref.)

ETIOLOGY

Influence of pollution on parasites of aquatic animals. Khan RA, et al. **Adv Parasitol** 1991;30:201–38 (143 ref.)

MICROBIOLOGY

The role of motile aeromonads in the fish disease, ulcerative disease syndrome (UDS). McGarey DJ, et al. **Experientia** 1991 May 15;47(5):441–4 (21 ref.)

The role of cell–wall deficient bacteria (L–forms; sphaeroplasts) in fish diseases. McIntosh D, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:1S–7S (38 ref.)

Selective isolation methods for fish pathogens. Shotts EB. **Soc Appl Bacteriol Symp Ser** 1991;20:75S–80S (52 ref.)

PARASITOLOGY

The Dactylosomatidae. Barta JR. **Adv Parasitol** 1991;30:1–37 (82 ref.)

Deep water parasites. Campbell RA. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:65–8 (38 ref.)

[Myxozoa as parasites of the central nervous system of fishes] Hoffmann RW, et al. **Tierarztl Prax** 1991 Jun;19(3):324–30 (24 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Antipodean aquaculture agents. Overstreet RM. **Int J Parasitol** 1990 Jul;20(4):551–64 (54 ref.)

FISH LIVER OILS see **FISH OILS**

FISH OILS

ADMINISTRATION & DOSAGE

Effect of fish consumption compared to intake of fish oil. Deslypere JP. **Bibl Nutr Dieta** 1990;(46):53–69 (53 ref.)

Polyunsaturates, endogenous eicosanoids, and cardiovascular disease. Knapp HR. **J Am Coll Nutr** 1990 Aug;9(4):344–51 (63 ref.)

Alternative lipid sources for enteral and parenteral nutrition: long– and medium–chain triglycerides, structured triglycerides, and fish oils. Bell SJ, et al. **J Am Diet Assoc** 1991 Jan;91(1):74–8 (24 ref.)

[Fish and ischemic heart disease] Marckmann P. **Ugeskr Laeger** 1991 Apr 1;153(14):980–3 (29 ref.) (Eng. Abstr.) **(Dan)**

[Fish oil and cancer: a review] de Rooij PD, et al. **Ned Tijdschr Geneeskd** 1991 May 11;135(19):833–6 (39 ref.) **(Dut)**

[Controversies in cardiology on dietary regimes from dietary fibers to fish oils] de Oliveira MH. **Rev Port Cardiol** 1991 Apr;10(4):355–9 (42 ref.) (Eng. Abstr.) **(Por)**

METABOLISM

Dietary n–3 polyunsaturated fatty acids of fish oils, autoxidation ex vivo and peroxidation in vivo: implications. Kinsella JE. **Adv Exp Med Biol** 1991;289:255–68 (76 ref.)

PHARMACOLOGY

Effect of fish oil on atherosclerosis and lipoprotein metabolism. Parks JS, et al. **Atherosclerosis** 1990 Oct; 84(2–3):83–94 (44 ref.)

Mechanism of the antithrombotic effects of fish oil. Goodnight SH. **Baillieres Clin Haematol** 1990 Jul; 3(3):601–23 (119 ref.)

Cardiovascular effects of omega–3 polyunsaturated fatty acids (fish oils). Mishkel GJ, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):625–49 (106 ref.)

Fish oil fatty acids and cardiovascular function: epidemiology and biochemical mechanisms. Weber PC. **Biochem Soc Trans** 1990 Dec;18(6):1045–9 (27 ref.)

Fish oil fatty acids and experimental arthritis. Cathcart ES, et al. **Rheum Dis Clin North Am** 1991 May;17(2):235–42 (49 ref.)

Effects of dietary fish oil on leukocyte leukotriene and PAF generation and on neutrophil chemotaxis. Sperling RI. **World Rev Nutr Diet** 1991;66:391–400 (26 ref.)

Fish oil and the platelet–blood vessel wall interaction. Vanhoutte PM, et al. **World Rev Nutr Diet** 1991;66:233–44 (41 ref.)

[Role of fish oils in diabetic dietetics] De Leeuw I. **Journ Annu Diabetol Hotel Dieu** 1991;:213–20 (48 ref.) **(Fre)**

THERAPEUTIC USE

Fish–oil and pre–eclampsia [see comments] Secher NJ, et al. **Br J Obstet Gynaecol** 1990 Dec;97(12):1077–9 (25 ref.) Comment in: Br J Obstet Gynaecol 1991 May;98(5):499–500.

Atherosclerosis and fish oil. Goerig M, et al. **Cardiovasc Drugs Ther** 1988 Sep;2(3):281–2 (3 ref.)

Fish oil in combination with other therapies in the treatment of psoriasis. Allen BR. **World Rev Nutr Diet** 1991;66:436–45 (35 ref.)

Antiarrhythmic effects of fish oils. Charnock JS. **World Rev Nutr Diet** 1991;66:278–91 (56 ref.)

Involvement of fish oils and growth factors in atherogenesis. Fox PL, et al. **World Rev Nutr Diet** 1991;66:255–67 (42 ref.)

Studies of dietary supplementation with omega 3 fatty acids in patients with rheumatoid arthritis. Kremer JM, et al. **World Rev Nutr Diet** 1991;66:367–82 (27 ref.)

Omega 3 fatty acids and cancer metastasis in humans. Man–Fan Wan J, et al. **World Rev Nutr Diet** 1991;66:477–87 (36 ref.)

Review: fish oil and cardiac function. Nestel PJ. **World Rev Nutr Diet** 1991;66:268–77 (32 ref.)

Blood pressure–lowering effect of omega 3 polyunsaturated fatty acids in clinical studies. Singer P. **World Rev Nutr Diet** 1991;66:329–48 (48 ref.)

Omega 3 polyunsaturated fatty acid constituents of fish oil and the management of skin inflammatory and scaly disorders. Ziboh VA. **World Rev Nutr Diet** 1991;66:425–35 (22 ref.)

[Fish oil; from food to medicine?] Korstanje MJ, et al. **Ned Tijdschr Geneeskd** 1991 May 11;135(19):828–33 (48 ref.) **(Dut)**

[The prospects for using fish oil in preventing and treating dyslipoproteinemia and atherosclerosis] Kobaladze AS, et al. **Ter Arkh** 1990;62(11):151–4 (74 ref.) **(Rus)**

FISH PRODUCTS

Fish meal as a protein supplement in ruminant diets: a review. Hussein HS, et al. **J Anim Sci** 1991 May;69(5):2147–56 (75 ref.)

[Fish and ischemic heart disease] Marckmann P. **Ugeskr Laeger** 1991 Apr 1;153(14):980–3 (29 ref.) (Eng. Abstr.) **(Dan)**

FISHERIES

Fish farming. Hillcoat JB. **Bibl Nutr Dieta** 1990;(46):10–21 (4 ref.)

FISHES

Effect of fish consumption compared to intake of fish oil. Deslypere JP. **Bibl Nutr Dieta** 1990;(46):53–69 (53 ref.)

Fish farming. Hillcoat JB. **Bibl Nutr Dieta** 1990;(46):10–21 (4 ref.)

Changes in the quantitative and qualitative composition of fat from fish, due to seasonality and industrial and culinary processing. Varela G, et al. **Bibl Nutr Dieta** 1990;(46):104–9 (17 ref.)

Modified atmosphere packaging of seafood. Stammen K, et al. **Crit Rev Food Sci Nutr** 1990;29(5):301–31 (147 ref.)

Electrophiles and acute toxicity to fish. Hermens JL. **Environ Health Perspect** 1990 Jul;87:219–25 (32 ref.)

Carcinogenesis studies in rodents for evaluating risks associated with chemical carcinogens in aquatic food animals. Huff J, et al. **Environ Health Perspect** 1991 Jan; 90:127–32 (101 ref.)

Relationships between hepatic neoplasms and related lesions and exposure to toxic chemicals in marine fish from the U.S. West Coast. Myers MS, et al. **Environ Health Perspect** 1991 Jan;90:7–15 (44 ref.)

Epidemiologic approaches to assessing human cancer risk from consuming aquatic food resources from chemically contaminated water. Ozonoff D, et al. **Environ Health Perspect** 1991 Jan;90:141–6 (79 ref.)

Vegetarianism, fish eating and jogging. Burr ML. **J R Soc Health** 1990 Aug;110(4):144–5 (15 ref.)

Consumption of fish: benefits and perceived risk. Kimbrough RD. **J Toxicol Environ Health** 1991 May;33(1):81–91 (23 ref.)

Effects of organochlorine chemicals on the reproductive outcome of humans who consumed contaminated Great Lakes fish: an epidemiologic consideration. Swain WR. **J Toxicol Environ Health** 1991 Aug;33(4):587–639 (89 ref.)

Effects of dietary fish protein on plasma cholesterol and lipoproteins in animal modes and in humans. Jacques H. **Monogr Atheroscler** 1990;16:59–70 (36 ref.)

Fish consumption advisories: toward a unified, scientifically credible approach. Dourson ML, et al. **Regul Toxicol Pharmacol** 1990 Oct;12(2):161–78 (26 ref.)

Foodborne toxins of marine origin: ciguatera. Juranovic LR, et al. **Rev Environ Contam Toxicol** 1991;117:51–94 (236 ref.)

Dietary supplementation with omega 3 fatty acids in insulin–dependent diabetes mellitus. Jensen T. **World Rev Nutr Diet** 1991;66:417–24 (43 ref.)

Health effects of omega 3 polyunsaturated fatty acids in seafoods. Cardiovascular. II: Heart. Nordøy A. **World Rev Nutr Diet** 1991;66:34–8 (20 ref.)

Blood pressure–lowering effect of omega 3 polyunsaturated fatty acids in clinical studies. Singer P. **World Rev Nutr Diet** 1991;66:329–48 (48 ref.)

[Food reserves from the sea] Feldheim W. **Bibl Nutr Dieta** 1990;(46):1–9 (12 ref.) **(Ger)**

[The role of fish in nutrition] Rumm–Kreuter D, et al. **Bibl Nutr Dieta** 1990;(46):22–36 (18 ref.) **(Ger)**

[Fish and their significance from the international and Swiss viewpoints] Meier W, et al. **Schweiz Arch Tierheilkd** 1991; 133(5):205–13 (37 ref.) (Eng. Abstr.) **(Ger)**

[An experimental and clinical study of the biological action of marine fish fats] Prokhorovich EA, et al. **Kardiologiia** 1990 Aug;30(8):99–102 (81 ref.) **(Rus)**

ANATOMY & HISTOLOGY

Visual pathways in elasmobranchs: organization and phylogenetic implications. Northcutt RG. **J Exp Zool Suppl** 1990;5:97–107 (40 ref.)

BLOOD

The blue–green blood plasma of marine fish. Fang LS, et al. **Comp Biochem Physiol [B]** 1990;97(1):37–45 (73 ref.)

GENETICS

Gene transfer in fish. Guise KS, et al. **Biotechnology** 1991; 16:295–306 (48 ref.)

Studies on transgenic fish: gene transfer, expression, and inheritance. Powers DA, et al. **Biotechnology** 1991; 16:307–24 (38 ref.)

Strategies for introducing foreign DNA into the germ line of fish. Cloud JG. **J Reprod Fertil Suppl** 1990;41:107–16 (57 ref.)

GROWTH & DEVELOPMENT

Metamorphosis and fish vision. Evans BI, et al. **J Neurobiol** 1990 Oct;21(7):1037–52 (90 ref.)

IMMUNOLOGY

Distribution of Thy–1 in invertebrates and ectothermic vertebrates. Cooper EL, et al. **Immunol Ser** 1989; 45:197–219 (59 ref.)

The structural requirements of epitopes with IgE binding capacity demonstrated by three major allergens from fish, egg and tree pollen. Elsayed S, et al. **Scand J Clin Lab Invest Suppl** 1991;204:17–31 (65 ref.)

METABOLISM

Gas exchange in the fish swimbladder. Scheid P, et al. **Adv Exp Med Biol** 1990;277:735–42 (17 ref.)

Bioavailability of organochlorines in fish. Gobas FA, et al. **Comp Biochem Physiol [C]** 1991;100(1–2):17–20 (19 ref.)

Binding and detoxification of heavy metals in lower vertebrates with reference to metallothionein. Hogstrand C, et al. **Comp Biochem Physiol [C]** 1991;100(1–2):137–41 (73 ref.)

Carcinogen adducts as an indicator for the public health risks of consuming carcinogen–exposed fish and shellfish. Dunn BP. **Environ Health Perspect** 1991 Jan;90:111–6 (51 ref.)

Cytochrome P–450 monooxygenase systems in aquatic species: carcinogen metabolism and biomarkers for carcinogen and pollutant exposure. Stegeman JJ, et al. **Environ Health Perspect** 1991 Jan;90:101–9 (74 ref.)

Disposition of xenobiotic chemicals and metabolites in marine organisms. Varanasi U, et al. **Environ Health Perspect** 1991 Jan;90:93–100 (33 ref.)

PARASITOLOGY

Environment and host–parasite relationships in Monogenea. Lambert A. **Folia Parasitol (Praha)** 1990;37(3):219–24 (14 ref.)

PHYSIOLOGY

Structural and functional effects of heavy metals on the nervous system, including sense organs, of fish. Baatrup E. **Comp Biochem Physiol [C]** 1991;100(1–2):253–7 (60 ref.)

Dynamics of axonal growth and the formation of orderly nerve connections in the fish retinotectal system. Stuermer CA. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):165–82 (32 ref.)

Ultrastructural aspects of oogenesis and oocyte growth in fish and amphibians. Wallace RA, et al. **J Electron Microsc Tech** 1990 Nov;16(3):175–201 (203 ref.)

Elasmobranch vision: multimodal integration in the brain. Bodznick D. **J Exp Zool Suppl** 1990;5:108–16 (38 ref.)

Adaptations of visual pigments to the photic environment of the deep sea. Crescitelli F. **J Exp Zool Suppl** 1990; 5:66–75 (58 ref.)

Teleost vision: seeing while growing. Fernald RD. **J Exp Zool Suppl** 1990;5:167–80 (67 ref.)

Target recognition and dynamics of axonal growth in the retinotectal system of fish. Stuermer CA. **Neurosci Res Suppl** 1990;13:S1–10 (37 ref.)

Taurine and volume regulation in fish cells. Fugelli K, et al. **Prog Clin Biol Res** 1990;351:481–8 (13 ref.)

Spatial distribution of taurine in the teleost retina and its role in retinal tissue regeneration. Lima L, et al. **Prog Clin Biol Res** 1990;351:103–12 (34 ref.)

Chronobiology and aquaculture: neglected opportunities. Spieler RE. **Prog Clin Biol Res** 1990;341B:905–19 (51 ref.)

Olfaction in fish. Hara TJ. **Prog Neurobiol** 1975;5(4):271–335 (315 ref.)

Electrosensory systems in fish. Heiligenberg W. **Synapse** 1990;6(2):196–206 (86 ref.)

Activity–dependent plasticity in the visual systems of frogs and fish. Cline HT. **Trends Neurosci** 1991 Mar;14(3):104–11 (80 ref.)

FISHES, POISONOUS

see related
TETRODOTOXIN

Puffer fish poisoning. Lange WR. **Am Fam Physician** 1990 Oct;42(4):1029–33 (27 ref.)

Venomous and poisonous marine animal injuries. Russell FE. **Vet Hum Toxicol** 1991 Aug;33(4):334–7 (19 ref.)

FISSURE IN ANO

ETIOLOGY

[Acute and chronic anal fissures] Dörner A. **Z Gastroenterol Verh** 1991 Mar;26:186–7 (29 ref.) **(Ger)**

PHYSIOPATHOLOGY

Anal fissures. Smith LE. **Neth J Med** 1990 Aug;37 Suppl 1:S33–6 (23 ref.)

FISSURE SEALANTS see **PIT AND FISSURE SEALANTS**

FISTULA

Aortoesophageal fistula: a comprehensive review of the literature. Hollander JE, et al. **Am J Med** 1991 Sep; 91(3):279–87 (106 ref.)

Arterial–ureteral fistula: case study with review of published reports. Dyke CM, et al. **Ann Vasc Surg** 1991 May; 5(3):282–5 (40 ref.)

Thoracic and extrathoracic bronchial fistulas. Powner DJ, et al. **Chest** 1991 Aug;100(2):480–6 (49 ref.)

Bilateral spontaneous perilymph fistulae: a diagnostic and management dilemma. Sismanis A, et al. **Otolaryngol Head Neck Surg** 1990 Sep;103(3):436–8 (13 ref.)

Perilymph fistula. Wilcox TO Jr, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1990;42:989–97 (59 ref.)

[Uretero–iliac fistula: presentation of a case and review of the literature] Isa Kroon WA, et al. **Actas Urol Esp** 1991 Jan–Feb;15(1):66–8 (18 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Recurrent acute suppurative thyroiditis. Skuza K, et al. **J Otolaryngol** 1991 Apr;20(2):126–9 (14 ref.)

A herald bleed: a case of aortoesophageal fistula and a review of the literature. Dores GM, et al. **R I Med J** 1991 Mar; 74(3):123–6 (42 ref.)

[Post–traumatic hemobilia caused by arteriobiliary fistula. A case report and review of the literature] Ortiz M, et al. **J Chir (Paris)** 1990 Oct;127(10):456–8 (15 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Cervical neurenteric fistula causing recurrent meningitis in Klippel–Feil sequence: case report and literature review. Gumerlock MK, et al. **Pediatr Infect Dis J** 1991 Jul; 10(7):532–5 (24 ref.)

EPIDEMIOLOGY

Nasal dermoid sinus cysts: association with intracranial extension and multiple malformations. Wardinsky TD, et al. **Cleft Palate Craniofac J** 1991 Jan;28(1):87–95 (32 ref.)

ETIOLOGY

Fatal duodenocaval fistula resulting from a giant peptic ulcer. Case report. deSa LA, et al. **Acta Chir Scand** 1990 Sep; 156(9):647–50 (17 ref.)

Aortobronchial fistula after an aortic operation. Ishizaki Y, et al. **Ann Thorac Surg** 1990 Dec;50(6):975–7 (8 ref.)

Portal venous barium intravasation complicating barium enema examination. Wheatley MJ, et al. **Surgery** 1991 Jun; 109(6):788–91 (12 ref.)

[Coronary artery–right ventricular fistula in a patient with heart transplantation. A complication of endomyocardial biopsy] Lefèvre T, et al. **Arch Mal Coeur** 1990 Oct; 83(11):1713–8 (10 ref.) (Eng. Abstr.) **(Fre)**

[The neurosurgical treatment of traumatic fronto–basal spinal fluid fistulas. 66 cases (1982–1986)] Probst C, et al. **Aktuel Traumatol** 1990 Oct;20(5):217–25 (33 ref.) (Eng. Abstr.) **(Ger)**

[A case of aortoduodenal fistula following radiotherapy of retroperitoneal metastatic disease] Fukasawa H, et al. **Gan To Kagaku Ryoho** 1991 Jan;18(1):119–22 (9 ref.) (Eng. Abstr.) **(Jpn)**

[Case of primary aorto–jejunal fistula caused by gram–positive cocci] Tsukamoto Y, et al. **Nippon Geka Gakkai Zasshi** 1991 Jun;92(6):750–2 (9 ref.) (Eng. Abstr.) **(Jpn)**

[Left ventricular–right atrial communication following mitral valve replacement] Yokoyama M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Sep;38(9):1483–7 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Primary mediastinal tuberculosis associated with esophageal fistula (letter)] Jiménez I, et al. **Enferm Infecc Microbiol Clin** 1989 Jun–Jul;7(6):337–8 (9 ref.) **(Spa)**

PATHOLOGY

Cervicoauricular fistula. Verma A, et al. **Ear Nose Throat J** 1990 Dec;69(12):826–8 (11 ref.)

RADIOGRAPHY

Pancreaticopleural fistula. Report of 7 patients and review of the literature. Rockey DC, et al. **Medicine (Baltimore)** 1990 Nov;69(6):332–44 (128 ref.)

SURGERY

Fistulas between the aorta and tracheobronchial tree. MacIntosh EL, et al. **Ann Thorac Surg** 1991 Mar; 51(3):515–9 (53 ref.)

Surgical treatment of primary aortoduodenal fistula. Taheri SA, et al. **Ann Vasc Surg** 1991 May;5(3):265–70 (58 ref.)

Surgical management of perilymph fistulas. A new technique. Black FO, et al. **Arch Otolaryngol Head Neck Surg** 1991 Jun;117(6):641–8 (54 ref.)

A new approach for repair of oro–antral–nasal fistulae. The anteriorly based buccinator myomucosal island flap. Carstens MH, et al. **J Craniomaxillofac Surg** 1991 Feb; 19(2):64–70 (40 ref.)

Nasal fistulas. Krause CJ. **Otolaryngol Clin North Am** 1973 Oct;6(3):791–800 (2 ref.)

THERAPY

Reoperative versus conservative management for gastrointestinal fistulas. Rubelowsky J, et al. **Surg Clin North Am** 1991 Feb;71(1):147–57 (30 ref.)

FIXATION DEVICES, EXTERNAL see **EXTERNAL FIXATORS**

FIXATION DEVICES, INTERNAL see **INTERNAL FIXATORS**

FIXATION, OCULAR

PHYSIOLOGY

Vergence. Hain TC, et al. **Bull Soc Belge Ophtalmol** 1989; 237:145–61 (62 ref.)

Conjugate deviation of the eyes in cerebral lesions. Tijssen CC. **Bull Soc Belge Ophtalmol** 1989;237:245–58 (62 ref.)

Adaptive regulation in the vergence and accommodation control systems. Miles FA. **Rev Oculomot Res** 1985;1:81–94 (0 ref.)

Tensorial aspects of the multidimensional approach to the vestibulo–oculomotor reflex and gaze. Pellionisz A. **Rev Oculomot Res** 1985;1:281–96 (0 ref.)

FIXED ACTION PATTERN see **INSTINCT**

FIXED BRIDGE see **DENTURE, PARTIAL, FIXED**

FIXED PARTIAL DENTURE see **DENTURE, PARTIAL, FIXED**

FLACCIDITY, MUSCLE see **MUSCLE HYPOTONIA**

FLAGELLA

IMMUNOLOGY

The pellicle and the membrane of the flagellum, flagellar adhesion zone, and flagellar pocket: functionally discrete surface domains of the bloodstream form of African trypanosomes. Balber AE. **Crit Rev Immunol** 1990; 10(3):177–201 (240 ref.)

PHYSIOLOGY

The bacterial flagellum and flagellar motor: structure, assembly and function. Jones CJ, et al. **Adv Microb Physiol** 1991;32:109–72 (317 ref.)

The bacterial flagellar motor. Blair DF. **Semin Cell Biol** 1990 Apr;1(2):75–85 (84 ref.)

ULTRASTRUCTURE

Structure of flagellar microtubules. Murray JM. **Int Rev Cytol** 1991;125:47–93 (84 ref.)

Genetic analysis of the bacterial flagellum. Macnab RM, et al. **Trends Genet** 1991 Jun;7(6):196–200 (35 ref.)

FLAPS see **SURGICAL FLAPS**

FLATFISHES

GROWTH & DEVELOPMENT

Neuronal adaptation accompanying metamorphosis in the flatfish. Graf W, et al. **J Neurobiol** 1990 Oct;21(7):1136–52 (77 ref.)

FLATFOOT

Posterior tibial tendon dysfunction. Beard DW, et al. **Nebr Med J** 1991 Feb;76(2):39–41 (7 ref.)

PHYSIOPATHOLOGY

Acquired flatfoot secondary to tibialis posterior dysfunction: biomechanical aspects. Mueller TJ. **J Foot Surg** 1991 Jan–Feb;30(1):2–11 (32 ref.)

SURGERY

Medial column stabilization. Catanzariti AR. **Clin Podiatr Med Surg** 1991 Jul;8(3):667–92 (7 ref.)

Posterior calcaneal osteotomy. Effect, technique, and indications. Jacobs AM, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):647–57 (35 ref.)

FLATWORMS see **PLATYHELMINTHS**

FLAVIVIRUSES

GENETICS

Flavivirus genome organization, expression, and replication. Chambers TJ, et al. **Annu Rev Microbiol** 1990;44:649–88 (191 ref.)

Overview of flavivirus molecular biology and future vaccine development via recombinant DNA. Rice CM. **Southeast Asian J Trop Med Public Health** 1990 Dec; 21(4):670–7 (54 ref.)

PHYSIOLOGY

Molecular biology of the flaviviruses. Chambers TJ, et al. **Microbiol Sci** 1987 Jul;4(7):219–23 (34 ref.)

FLAVONES

PHARMACOLOGY

[The pharmacodynamics of hepatic protectors from the lady's-thistle (Silybum marianum)] Rumiantseva ZhN. **Vrach Delo** 1991 May;(5):15–9 (40 ref.) **(Rus)**

FLAVOPROTEINS

GENETICS

An unusual yet strongly conserved flavoprotein reductase in bacteria and mammals. Porter TD. **Trends Biochem Sci** 1991 Apr;16(4):154–8 (30 ref.)

METABOLISM

Redox cycling of radical anion metabolites of toxic chemicals and drugs and the Marcus theory of electron transfer. Mason RP. **Environ Health Perspect** 1990 Jul;87:237–43 (30 ref.)

FLAVORING AGENTS

ANALYSIS

Sweeteners, flavorings, and dyes in antibiotic preparations. Kumar A, et al. **Pediatrics** 1991 Mar;87(3):352–60 (44 ref.)

FLEAS

[Ctenocephalides canis and Ctenocephalides felis infestations of dogs and cats. Biology of the agent, epizootiology,

pathogenesis, clinical signs, diagnosis and control] Kalvelage H, et al. **Tierarztl Prax** 1991 Apr;19(2):200–6 (0 ref.) (Eng. Abstr.) **(Ger)**

FLECAINIDE see **FLECAINIDE ACETATE**

FLECAINIDE ACETATE

[Class Ic antiarrhythmic drugs—flecainide and propafenone] Sagie A, et al. **Harefuah** 1990 Jul;119(1–2):39–43 (43 ref.) **(Heb)**

PHARMACOLOGY

Clinical electrophysiologic effects of flecainide acetate. Mehta D, et al. **Cardiovasc Drugs Ther** 1988 Mar; 1(6):599–603 (39 ref.)

THERAPEUTIC USE

Class IC drugs: propafenone and flecainide. Puech P, et al. **Cardiovasc Drugs Ther** 1990 Jun;4 Suppl 3:549–53 (22 ref.)

Ventricular arrhythmias: risk stratification and approach to therapy after the Cardiac Arrhythmia Suppression Trial (CAST). Prystowsky EN, et al. **PACE** 1990 Nov;13(11 Pt 2):1480–7 (39 ref.)

FLETCHER FACTOR see **PREKALLIKREIN**

FLIES, TRUE see **DIPTERA**

FLIGHT REACTION see **ESCAPE REACTION**

FLOODING see **IMPLOSIVE THERAPY**

FLOODS see **NATURAL DISASTERS**

FLOOR OF MOUTH see **MOUTH FLOOR**

FLOPPY MITRAL VALVE see **MITRAL VALVE PROLAPSE**

FLORAFUR see **TEGAFUR**

FLOW CYTOMETRY

DNA analysis of neoplasia: an introduction for the family physician. Kotylo PK. **Am Fam Physician** 1991 Apr; 43(4):1259–63 (34 ref.)

Ploidy analysis and S-phase fraction determination by flow cytometry of invasive adenocarcinomas of the breast. Frierson HF Jr. **Am J Surg Pathol** 1991 Apr;15(4):358–67 (90 ref.)

Flow cytometry: its applications to immunohaematology. Garratty G. **Baillieres Clin Haematol** 1990 Apr;3(2):267–87 (74 ref.)

Flow cytometry: clinical applications in haematology. Hoy TG. **Baillieres Clin Haematol** 1990 Oct;3(4):977–98 (89 ref.)

Methodologies to estimate circulating hematopoietic progenitors for autologous transplantation in cancer patients. Ravagnani F, et al. **Haematologica** 1991 Mar;76 Suppl 1:46–9 (21 ref.)

Recent advances in flow cytometric techniques for cancer detection and prognosis. McCoy JP Jr, et al. **Immunol Ser** 1990;53:171–87 (94 ref.)

Analysing and sorting human chromosomes. Green DK. **J Microsc** 1990 Sep;159 (Pt 3):237–44 (26 ref.)

Flow cytometry: illuminating microbiology. Boye E, et al. **New Biol** 1990 Feb;2(2):119–25 (65 ref.)

Flow cytometry in carcinoma of the prostate. Benson MC, et al. **Urol Clin North Am** 1990 Nov;17(4):885–91 (46 ref.)

[Flow cytometry results in patients with ulcerative colitis and Barrett esophagus. An additional diagnostic tool in the early diagnosis of a malignant transformation?] Porschen R, et al. **Z Gastroenterol** 1990 Sep;28(9):458–61 (52 ref.) (Eng. Abstr.) **(Ger)**

[Flow cytometry in virologic research] Pshenichnov VA, et al. **Vopr Virusol** 1990 Jul–Aug;35(4):279–83 (85 ref.) **(Rus)**

[Flow cytometry. Its prognostic value in cancer of the head and neck] Barona R, et al. **Acta Otorrinolaringol Esp** 1990 May–Jun;41(3):149–53 (29 ref.) (Eng. Abstr.) **(Spa)**

METHODS

Flow cytometry and cell-separation procedures. Battye FL, et al. **Curr Opin Immunol** 1991 Apr;3(2):238–41 (30 ref.)

Flow cytometry developments, uses of monoclonal antibodies and cell purification. Lydyard PM. **Curr Opin Immunol** 1989–90;2(6):923–6 (16 ref.)

Eight-parameter PC-AT based flow cytometric data system. Kachel V, et al. **Cytometry** 1990;11(7):805–12 (6 ref.)

A review of techniques and results obtained in one laboratory by an integrated system of methods designed for routine clinical flow cytometric DNA analysis. Vindeløv LL, et al. **Cytometry** 1990;11(7):753–70 (44 ref.)

Flow cytogenetics and chromosome sorting. Cram LS. **Hum Cell** 1990 Jun;3(2):99–106 (21 ref.)

Dissociation of cells from solid tumors. Cerra R, et al. **Methods Cell Biol** 1990;33:1–12 (27 ref.)

Flow cytometric measurement of intracellular ionized calcium in single cells with indo-1 and fluo-3. June CH, et al. **Methods Cell Biol** 1990;33:37–58 (55 ref.)

Cell membrane potential analysis. Shapiro HM. **Methods Cell Biol** 1990;33:25–35 (12 ref.)

The stathmokinetic experiment: a single-parameter and multiparameter flow cytometric analysis. Traganos F, et al. **Methods Cell Biol** 1990;33:249–70 (45 ref.)

Environmental health: flow cytometric methods to assess our water world. Yentsch CM. **Methods Cell Biol** 1990; 33:575–612 (112 ref.)

Application of antibodies in the flow cytometric analysis of benign and malignant cells. Beck JL, et al. **Semin Cancer Biol** 1990 Jun;1(3):181–8 (30 ref.)

Automated image cytometry in cytopathology. Ploem JS. **Verh Dtsch Ges Pathol** 1990;74:169–75 (10 ref.)

[Purification kinetics of human tumors measured by flow cytometry] Goerttler K. **Acta Histochem Suppl** 1990; 39:49–60 (20 ref.) (Eng. Abstr.) **(Ger)**

[DNA cytometry and automation in clinical diagnostics] Böcking A. **Verh Dtsch Ges Pathol** 1990;74:176–85 (32 ref.) (Eng. Abstr.) **(Ger)**

FLOW MICROFLUORIMETRY see **FLOW CYTOMETRY**

FLOW, PULSATING see **PULSATILE FLOW**

FLOWMETERS

The role of the peak flow meter in the diagnosis and management of asthma. Cross D, et al. **J Allergy Clin Immunol** 1991 Jan;87(1 Pt 1):120–8 (70 ref.)

[Monitoring air velocity at work sites and in residences—technical monitoring requirements and principles of thermal anemometers] Bytel H, et al. **Z Gesamte Hyg** 1991 Feb;37(2):66–8 (18 ref.) **(Ger)**

FLOXURIDINE see **FLUORODEOXYURIDINE**

FLUBENISOLONE see **BETAMETHASONE**

FLUCONAZOLE

PHARMACOKINETICS

Pharmacokinetics of oral antifungals and their clinical implications. Heykants J, et al. **Br J Clin Pract Symp Suppl** 1990 Sep;71:50–6 (17 ref.)

PHARMACOLOGY

Fluconazole: a new triazole antifungal agent. Pasko MT, et al. **DICP** 1990 Sep;24(9):860–7 (66 ref.)

Clinical pharmacology of fluconazole. Dudley MN. **Pharmacotherapy** 1990;10(6 (Pt 3)):141S–145S (23 ref.)

Drug interactions with fluconazole. Kowalsky SF. **Pharmacotherapy** 1990;10(6 (Pt 3)):170S–173S (41 ref.)

THERAPEUTIC USE

Fluconazole: a new triazole antifungal agent. Morrow JD. **Am J Med Sci** 1991 Aug;302(2):129–32 (24 ref.)

Criteria for use of fluconazole in adult and pediatric inpatients and outpatients. Bourne KM, et al. **Clin Pharm** 1991 Mar; 10(3):222–7 (23 ref.)

Fluconazole: a new antifungal agent. Kowalsky SF, et al. **Clin Pharm** 1991 Mar;10(3):179–94 (181 ref.)

Diagnosis and treatment of oral candidosis. Lewis MA, et al. **J Oral Maxillofac Surg** 1991 Sep;49(9):996–1002 (54 ref.)

Fluconazole. Review and situation among antifungal drugs in the treatment of opportunistic mycoses of human immuno-deficiency virus infections. Vincent-Ballereau FN, et al. **Pharm Weekbl [Sci]** 1991 Apr 26;13(2):45–57 (47 ref.)

[Current progress in antifungal therapy: the value of fluconazole] Meunier F. **Rev Med Brux** 1990 Sep; 11(7):278–82 (27 ref.) (Eng. Abstr.) **(Fre)**

[The significance of fluconazole (diflucan) in the therapy and prevention of candidiasis and cryptococcosis] Müller J. **Mycoses** 1990;33 Suppl 1:65–7 (4 ref.) **(Ger)**

[Cryptococcosis in AIDS: therapeutic concepts] Ruf B. **Mycoses** 1990;33 Suppl 1:55–64 (30 ref.) (Eng. Abstr.) **(Ger)**

[Importance of the new triazoles in antifungal therapy] Durmaz B. **Mikrobiyol Bul** 1991 Jan;25(1):118–23 (27 ref.) (Eng. Abstr.) **(Tur)**

FLUCYTOSINE

PHARMACOKINETICS

Pharmacology and pharmacokinetics of traditional systemic antifungal agents. Barriere SL. **Pharmacotherapy** 1990;10(6 (Pt 3)):134S–140S (50 ref.)

THERAPEUTIC USE

[Cryptococcosis in AIDS: therapeutic concepts] Ruf B. **Mycoses** 1990;33 Suppl 1:55–64 (30 ref.) (Eng. Abstr.) **(Ger)**

FLUID BALANCE see **WATER-ELECTROLYTE BALANCE**

FLUID THERAPY

see related
REHYDRATION SOLUTIONS

Indications for use of bicarbonate in patients with metabolic acidosis. Arieff AI. **Br J Anaesth** 1991 Aug;67(2):165–77 (105 ref.)

Management of hyponatraemia. Swales JD. **Br J Anaesth** 1991 Aug;67(2):146–53 (42 ref.)

Is postoperative oliguria avoidable? Sweny P. **Br J Anaesth** 1991 Aug;67(2):137–45 (45 ref.)

Fluids for resuscitation. Vincent JL. **Br J Anaesth** 1991 Aug; 67(2):185–93 (73 ref.)

Clinical algorithm for initial fluid resuscitation in disasters. Shoemaker WC, et al. **Crit Care Clin** 1991 Apr;7(2):363–81 (28 ref.)

Extracellular fluid and colloid osmotic pressure in abdominal vascular surgery. A study of volume changes. Nielsen OM. **Dan Med Bull** 1991 Feb;38(1):9–21 (192 ref.)

Use of oral rehydration therapy in acute watery diarrhoea. A practical guide. Sack DA. **Drugs** 1991 Apr;41(4):566–73 (45 ref.)

Dehydration syndromes. Oral rehydration and fluid replacement. Grisanti KA, et al. **Emerg Med Clin North Am** 1991 Aug;9(3):565–88 (79 ref.)

Oral rehydration therapy of neonates and young infants: optimal content of oral rehydration solution. Sachdev HP, et al. **Indian Pediatr** 1990 Dec;27(12):1333–6 (18 ref.)

Home-based therapy for diarrhea. Snyder JD, et al. **J Pediatr Gastroenterol Nutr** 1990 Nov;11(4):438–47 (96 ref.)

Fluid therapy in neurosurgical patients. Frost EA. **Middle East J Anesthesiol** 1991 Feb;11(1):39–52 (31 ref.)

Oral rehydration therapy for invasive diarrhea. Varavithya W, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S325–31 (53 ref.)

METHODS

Management of infantile gastroenteritis. Walker-Smith JA. **Arch Dis Child** 1990 Sep;65(9):917–8 (14 ref.)

Practical management of diabetic ketoacidosis and hyperosmolar coma. Hamblin PS, et al. **Aust N Z J Med** 1990 Dec;20(6):836–41 (33 ref.)

Super ORS. Bhattacharya SK, et al. **Indian J Public Health** 1990 Jan–Mar;34(1):35–7 (18 ref.)

Colloids versus crystalloids in fluid resuscitation: an analysis of randomized controlled trials [see comments] Bisonni RS, et al. **J Fam Pract** 1991 Apr;32(4):387–90 (33 ref.) Comment in: J Fam Pract 1991 Jul;33(1):15.

Treatment of the dehydrated child [see comments] Barkin RM. **Pediatr Ann** 1990 Oct;19(10):597–603 (4 ref.) Comment in: Pediatr Ann 1991 Jan;20(1):7.

[Technical constraints in rapid vascular fluid replacement] Noirot MT, et al. **Ann Fr Anesth Reanim** 1990;9(5):433–42 (53 ref.) (Eng. Abstr.) **(Fre)**

[Hypodermoclysis: a forgotten technique...] Dutertre JP, et al. **Rev Med Interne** 1991 Mar–Apr;12(2):153–5 (20 ref.) (Eng. Abstr.) **(Fre)**

[Transfusion therapy and volume treatment in elective surgery and traumas] Søndenaa K, et al. **Tidsskr Nor Laegeforen** 1990 Nov 30;110(29):3725–8 (52 ref.) (Eng. Abstr.) **(Nor)**

FLUKES see **TREMATODA**

FLUMAZENIL

Flumazenil: a new benzodiazepine antagonist. Votey SR, et al. **Ann Emerg Med** 1991 Feb;20(2):181–8 (99 ref.)

[Dormicum, aneksat and their use in obstetrical and gynecological operations] Traĭkova V, et al. **Akush Ginekol (Sofiia)** 1990;29(5):61–4 (37 ref.) **(Bul)**

PHARMACOLOGY

Flumazenil: a benzodiazepine antagonist. Karavokiros KA, et al. **DICP** 1990 Oct;24(10):976–81 (71 ref.)

Recovery from anesthesia. Benzodiazepine antagonists. Geller E, et al. **Int Anesthesiol Clin** 1991 Spring;29(2):69–81 (59 ref.)

The benzodiazepines: anxiolytic and withdrawal effects. Little HJ. **Neuropeptides** 1991 Jul;19 Suppl:11–4 (18 ref.)

THERAPEUTIC USE

Risks and benefits of therapy with flumazenil (Anexate) in mixed drug intoxications. Geller E, et al. **Eur Neurol** 1991; 31(4):241–50 (15 ref.)

FLUMAZEPIL see **FLUMAZENIL**

FLUNARIZINE

PHARMACOLOGY

Ca++ and Na+ channels involved in neuronal cell death. Protection by flunarizine. Pauwels PJ, et al. **Life Sci** 1991; 48(20):1881–93 (70 ref.)

THERAPEUTIC USE

Flunarizine in migraine: a minireview. Leone M, et al. **Headache** 1991 Jun;31(6):388–91 (27 ref.)

FLUON see **POLYTETRAFLUOROETHYLENE**

FLUORENES

PHARMACOLOGY

[Evaluation of the inducing and autoinducing properties of pyrene, fluoranthene and benz(a)anthracene] Brandys J, et al. **Folia Med Cracov** 1990;31(3):157–63 (18 ref.) (Eng. Abstr.) **(Pol)**

FLUORESCEIN ANGIOGRAPHY

Use of temporal information to quantify vascular leakage in fluorescein angiography of the retina. Phillips RP, et al. **Clin Phys Physiol Meas** 1990;11 Suppl A:81–5 (9 ref.)

Fluorescein angiography in patients with posterior uveitis. Listhaus AD, et al. **Int Ophthalmol Clin** 1990 Fall; 30(4):297–308 (45 ref.)

The role of fluorescein angiography in the interpretation of optic nerve head diseases. Segato T, et al. **Metab Pediatr Syst Ophthalmol** 1990;13(2–4):111–4 (4 ref.)

[Infrared angiography of the eye (review of the literature)] Podgornaia NN, et al. **Vestn Oftalmol** 1991 Jan–Feb; 107(1):69–75 (60 ref.) **(Rus)**

ADVERSE EFFECTS

[Lethal shock after fluorescein angiography. A case (letter)] Tondriaux A, et al. **Ann Med Interne (Paris)** 1990; 141(7):630–1 (9 ref.) **(Fre)**

FLUORESCENCE-ACTIVATED CELL SORTING see **FLOW CYTOMETRY**

FLUORESCENCE ANGIOGRAPHY see **FLUORESCEIN ANGIOGRAPHY**

FLUORESCENCE MICROSCOPY see **MICROSCOPY, FLUORESCENCE**

FLUORESCENCE SPECTROPHOTOMETRY see **SPECTROMETRY, FLUORESCENCE**

FLUORESCENT ANTIBODY TECHNIQUE

Assessment of cytokines by immunofluorescence and the paraformaldehyde–saponin procedure. Sander B, et al. **Immunol Rev** 1991 Feb;119:65–93 (72 ref.)

Immunodermatology update: the immunologically mediated vesiculobullous diseases. Helm KF, et al. **Mayo Clin Proc** 1991 Feb;66(2):187–202 (100 ref.)

The use of fluorescent probes in immunochemistry. Davidson RS, et al. **Photochem Photobiol** 1990 Aug;52(2):431–8 (28 ref.)

INSTRUMENTATION

Europium chelate labels in time-resolved fluorescence immunoassays and DNA hybridization assays. Diamandis EP, et al. **Anal Chem** 1990 Nov 15;62(22):1149A–1157A (34 ref.)

FLUORESCENT ANTINUCLEAR ANTIBODIES see **ANTIBODIES, ANTINUCLEAR**

FLUORESCENT ANTINUCLEAR ANTIBODY TEST see **FLUORESCENT ANTIBODY TECHNIQUE**

FLUORESCENT DYES

Genetic typing using automated electrophoresis and fluorescence detection. Robertson J, et al. **Experientia Suppl** 1991;58:391–8 (10 ref.)

Fluorescence spectroscopy to probe the structure and cellular dynamics of ion channels. Angelides KJ. **Ion Channels** 1988; 1:1–54 (69 ref.)

The use of fluorescent probes in immunochemistry. Davidson RS, et al. **Photochem Photobiol** 1990 Aug;52(2):431–8 (28 ref.)

CHEMISTRY

Fluorogenic reagents, having benzofurazan structure, in liquid chromatography. Imai K, et al. **J Pharm Biomed Anal** 1989;7(12):1395–403 (47 ref.)

DIAGNOSTIC USE

Transport mechanisms in kidney proximal tubule examined using chloride-sensitive fluorescent indicators. Verkman AS, et al. **Kidney Int Suppl** 1991 Jul;33:S103–8 (42 ref.)

Flow cytometric measurement of intracellular ionized calcium in single cells with indo-1 and fluo-3. June CH, et al. **Methods Cell Biol** 1990;33:37–58 (55 ref.)

Application of fluorescent phospholipid analogues to studies on phospholipid transfer proteins. Somerharju PJ, et al. **Subcell Biochem** 1990;16:21–43 (69 ref.)

FLUORESCENT PROBES see **FLUORESCENT DYES**

FLUORIDATION

Enamel defects in a fluoridated south-east Asian community. Chellappah NK, et al. **Aust Dent J** 1990 Dec;35(6):530–5 (28 ref.)

Flawed foundation: a re-examination of the scientific basis for a dental benefit from fluoridation. Colquhoun J. **Community Health Stud** 1990;14(3):288–96 (77 ref.)

ADVERSE EFFECTS

[Fluorosis due to fluoride in drinking water. A health risk even in Norway?] Løkken P, et al. **Tidsskr Nor Laegeforen** 1991 May 10;111(12):1506–7 (8 ref.) (Eng. Abstr.) **(Nor)**

FLUORIDE POISONING

DRUG THERAPY

[Possibilities of using dihydromonocalcium phosphate for prevention and treatment of chronic fluoride poisoning (review of the literature)] Iakovleva SS. **Gig Tr Prof Zabol** 1991;(2):28–9 (27 ref.) **(Rus)**

PHYSIOPATHOLOGY

Fluorosis, osteopetrosis, and ectopic calcification. de Vernejoul MC. **Curr Opin Rheumatol** 1990 Feb;2(1):44–6 (7 ref.)

FLUORIDE VARNISHES see **FLUORIDES, TOPICAL**

FLUORIDES

ADMINISTRATION & DOSAGE

[Therapy of osteoporosis with fluorides and calcitonins] Ringe JD. **Internist (Berl)** 1991 Feb;32(2):80–9 (85 ref.) **(Ger)**

ADVERSE EFFECTS

Side-effects of fluoride therapy. Laroche M, et al. **Baillieres Clin Rheumatol** 1991 Apr;5(1):61–76 (104 ref.)

[Public health and ecological aspects of the protection of the biosphere against industrial fluorine-containing wastes] Shcherbakov SV, et al. **Vestn Akad Med Nauk SSSR** 1991; (1):54–9 (51 ref.) **(Rus)**

ANALYSIS

Prevalence of dental caries and enamel defects in children living in areas with different water fluoride concentrations. Angelillo IF, et al. **Community Dent Health** 1990 Sep; 7(3):229–36 (30 ref.)

PHARMACOLOGY

The effects of fluoride on bone. Gruber HE, et al. **Clin Orthop** 1991 Jun;(267):264–77 (58 ref.)

Mechanistic aspects of the interactions between fluoride and dental enamel. ten Cate JM, et al. **Crit Rev Oral Biol Med** 1991;2(3):283–96 (136 ref.)

Clinical effect and mechanism of cariostatic action of fluoride-containing toothpastes: a review. Rølla G, et al. **Int Dent J** 1991 Jun;41(3):171–4 (14 ref.)

Cariostatic mechanisms of fluoride. Miller MC. **N Y State Dent J** 1991 Feb;57(2):33–5 (20 ref.)

THERAPEUTIC USE

Fluorides and osteoporosis. Kleerekoper M, et al. **Annu Rev Nutr** 1991;11:309–24 (94 ref.)

The effects of fluoride on bone. Gruber HE, et al. **Clin Orthop** 1991 Jun;(267):264–77 (58 ref.)

Fluoride dentifrices: current status and prospects. Mellberg JR. **Int Dent J** 1991 Feb;41(1):9–16 (37 ref.)

Fluoride in the prevention of caries in the preschool child. Rugg-Gunn AJ. **J Dent** 1990 Dec;18(6):304–7 (16 ref.)

Reaction paper: the use of topical and systemic fluorides in the present era. DePaola PF. **J Public Health Dent** 1991 Winter;51(1):48–52 (16 ref.)

Appropriate uses of fluoride: considerations for the '90s. Summary. Horowitz HS. **J Public Health Dent** 1991 Winter;51(1):60–3 (13 ref.)

Appropriate uses of systemic fluoride: considerations for the '90s. Leverett DH. **J Public Health Dent** 1991 Winter; 51(1):42–7 (43 ref.)

Reaction paper: some perspectives on the appropriate uses of fluoride for the 1990s and beyond. Pendrys DG. **J Public Health Dent** 1991 Winter;51(1):53–5 (17 ref.)

A critique of topical fluoride methods (dentifrices, mouthrinses, operator-, and self-applied gels) in an era of decreased caries and increased fluorosis prevalence. Ripa LW. **J Public Health Dent** 1991 Winter;51(1):23–41 (185 ref.)

Reaction paper: appropriate uses of fluoride—considerations for the '90s. Rozier RG. **J Public Health Dent** 1991 Winter; 51(1):56–9 (38 ref.)

Effect of fluorine substitution on the anti-HIV activity of dideoxynucleosides. Marquez VE. **NIDA Res Monogr** 1990; 96:61–79 (33 ref.)

[Fluoride therapy of osteoporosis] Ziegler R. **Ther Umsch** 1991 Feb;48(2):84–90 (18 ref.) (Eng. Abstr.) **(Ger)**

FLUORIDES, TOPICAL

THERAPEUTIC USE

Reaction paper: the use of topical and systemic fluorides in the present era. DePaola PF. **J Public Health Dent** 1991 Winter;51(1):48–52 (16 ref.)

A critique of topical fluoride methods (dentifrices, mouthrinses, operator-, and self-applied gels) in an era of decreased caries and increased fluorosis prevalence. Ripa LW. **J Public Health Dent** 1991 Winter;51(1):23–41 (185 ref.)

[Dental fluoride prophylaxis: the chemical and bacteriological aspects] Fagnoni V, et al. **Minerva Stomatol** 1990 Sep;39(9):739–43 (14 ref.) (Eng. Abstr.) **(Ita)**

FLUORINATED HYDROCARBONS see **HYDROCARBONS, FLUORINATED**

FLUORINE

Enzyme inhibition by fluoro compounds. Abeles RH, et al. **J Biol Chem** 1990 Oct 5;265(28):16705–8 (91 ref.)

DIAGNOSTIC USE

The validation of freely diffusible tracer methods with NMR detection for measurement of blood flow. Neil JJ. **Magn Reson Med** 1991 Jun;19(2):299–304 (20 ref.)

METABOLISM

[Fluorine-19 nuclear magnetic resonance spectroscopy: a privileged tool for the study of the metabolism and pharmacokinetics of fluoropyrimidines] Malet-Martino MC, et al. **Bull Cancer (Paris)** 1990;77(12):1223–44 (54 ref.) (Eng. Abstr.) **(Fre)**

POISONING

Chronic fluorine poisoning in man: a review of literature in English (1946–1989) and indications for research. Anand JK, et al. **Biomed Pharmacother** 1990;44(8):417–20 (14 ref.)

FLUOROCARBON AEROSOLS see **FREONS**

FLUOROCARBON EMULSIONS see **FLUOROCARBONS**

FLUOROCARBON PROPELLANTS see **FREONS**

FLUOROCARBONS

see related
BLOOD SUBSTITUTES

[Risk evaluation of stratospheric ozone depletion resulting from chlorofluorocarbons (CFC) on human health] Ando M. **Nippon Eiseigaku Zasshi** 1990 Dec;45(5):947–53 (20 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Synthetic oxygen transport fluids based on perfluorochemicals: applications in medicine and biology. Lowe KC. **Vox Sang** 1991;60(3):129–40 (110 ref.)

PHARMACOLOGY

Perfluorochemicals for gas transport and improvement of cell cultures. King AT, et al. **Adv Exp Med Biol** 1990; 277:283–90 (33 ref.)

THERAPEUTIC USE

The use of fluorocarbon emulsions in cancer radiotherapy. Guichard M. **Radiother Oncol** 1991;20 Suppl 1:59–64 (27 ref.)

Synthetic oxygen transport fluids based on perfluorochemicals: applications in medicine and biology. Lowe KC. **Vox Sang** 1991;60(3):129–40 (110 ref.)

TOXICITY

Toxicology of fluorine-containing monomers. Kennedy GL Jr. **Crit Rev Toxicol** 1990;21(2):149–70 (144 ref.)

FLUOROCHROMES see **FLUORESCENT DYES**

5-FLUOROCYTOSINE see **FLUCYTOSINE**

FLUORODEOXYURIDINE

Modulation of fluoropyrimidines by leucovorin: rationale and status. Rustum YM. **J Surg Oncol Suppl** 1991;2:116–23 (38 ref.)

METABOLISM

Biochemical basis for circadian-dependent metabolism of fluoropyrimidines. Daher GC, et al. **Ann N Y Acad Sci** 1991;618:350–61 (56 ref.)

THERAPEUTIC USE

Continuous hepatic artery infusion (CHAI) as treatment of liver metastases. Are the complications worth it? Kemeny MM. **Drug Saf** 1991 May–Jun;6(3):159–65 (12 ref.)

Doxifluridine in advanced colorectal cancer. Calabresi F, et al. **J Surg Oncol Suppl** 1991;2:124–8 (32 ref.)

FLUOROFUR see **TEGAFUR**

FLUOROIMMUNOASSAY

METHODS

Time-resolved fluorescence in biospecific assays. Soini E, et al. **Ann Biol Clin (Paris)** 1990;48(8):567–71 (44 ref.)

FLUOROSCOPY

Electronic scanning-slit fluorography. Plenkovich D. **Acta Radiol Suppl (Stockh)** 1989;373:1–48 (120 ref.)

ADVERSE EFFECTS

Multiple primary carcinomas as sequelae of treatment of pulmonary tuberculosis with repeated induced pneumothoraces. Case report and review of the literature. Solan MJ. **Am J Clin Oncol** 1991 Feb;14(1):49–51 (25 ref.)

METHODS

Image quality and radiation levels in videofluoroscopy for swallowing studies: a review [see comments] Beck TJ, et al. **Dysphagia** 1990;5(3):118–28 (6 ref.) Comment in: Dysphagia 1990;5(3):117.

FLUOROSIS, DENTAL see **MOTTLED ENAMEL**

FLUOROURACIL

Modulation of fluoropyrimidines by leucovorin: rationale and status. Rustum YM. **J Surg Oncol Suppl** 1991;2:116–23 (38 ref.)

ADMINISTRATION & DOSAGE

Protracted intravenous infusion of 5-fluorouracil in combination treatments. A review. Hansen RM. **Acta Oncol** 1991;30(1):7–10 (41 ref.)

Systemic therapy in metastatic colorectal cancer. Hansen RM. **Arch Intern Med** 1990 Nov;150(11):2265–9 (66 ref.)

Current chemotherapy of head and neck cancer. Amrein P. **J Oral Maxillofac Surg** 1991 Aug;49(8):864–70 (59 ref.)

Adjuvant treatment of node-positive colon carcinoma with levamisole and 5-fluorouracil. Grem JL. **Oncology (Williston Park)** 1991 Mar;5(3):63–70, 73; discussion 73–4 (47 ref.)

Current treatment approaches in colorectal cancer. Grem JL. **Semin Oncol** 1991 Feb;18(1 Suppl 1):17–26 (44 ref.)

[5-Fluorouracil and trabeculectomy. A trial of low doses] Adenis JP, et al. **J Fr Ophtalmol** 1990;13(4):169–75 (44 ref.) (Eng. Abstr.) **(Fre)**

[Therapy of advanced colorectal cancer] Schalhorn A. **Fortschr Med** 1991 Mar 20;109(8):183–6 (7 ref.) (Eng. Abstr.) **(Ger)**

[5-Fluorouracil (5-FU)/leucovorin in comparison to other current chemotherapy protocols in metastasizing colorectal carcinoma] Baur M, et al. **Wien Klin Wochenschr** 1991; 103(11):332–9 (94 ref.) (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

5-Fluorouracil cardiotoxicity: a critical review. Gradishar WJ, et al. **Ann Oncol** 1990 Nov;1(6):409–14 (54 ref.)

Vaginal adenosis and clear cell carcinoma after 5-fluorouracil treatment for condylomas. Goodman A, et al. **Cancer** 1991 Oct 1;68(7):1628–32 (53 ref.)

[Cardiac toxicity of 5-fluorouracil. Reflections on a case] Perreau P, et al. **Ann Otolaryngol Chir Cervicofac** 1990; 107(8):577–80 (6 ref.) (Eng. Abstr.) **(Fre)**

ANALOGS & DERIVATIVES

Developments of the fluoropyrimidines as inhibitors of thymidylate synthetase: pharmacologic and clinical aspects. Machover D. **J Surg Oncol Suppl** 1991;2:42–50 (72 ref.)

METABOLISM

Biochemical basis for circadian-dependent metabolism of fluoropyrimidines. Daher GC, et al. **Ann N Y Acad Sci** 1991;618:350–61 (56 ref.)

Metabolism and mechanism of action of 5-fluorouracil. Parker WB, et al. **Pharmacol Ther** 1990;48(3):381–95 (133 ref.)

PHARMACOLOGY

Biochemical modulation of 5-fluorouracil. Herrmann R. **Cancer Treat Rev** 1990 Dec;17 Suppl A:51–5 (16 ref.)

THERAPEUTIC USE

Chemotherapy for pancreatic cancer. Arbuck SG. **Baillieres Clin Gastroenterol** 1990 Dec;4(4):953–68 (75 ref.)

Modulation of 5-fluorouracil efficacy. Herrmann R. **Cancer Treat Rev** 1990 Sep;17(2–3):209–12 (12 ref.)

Chemotherapy for patients not benefitting from 5-fluorouracil therapy. Luporini G, et al. **J Surg Oncol Suppl** 1991;2:161–4 (16 ref.)

Developments of the fluoropyrimidines as inhibitors of thymidylate synthetase: pharmacologic and clinical aspects. Machover D. **J Surg Oncol Suppl** 1991;2:42–50 (72 ref.)

[Adjuvant chemotherapy in colonic cancer] Seitz JF. **Gastroenterol Clin Biol** 1990;14(11):797–800 (38 ref.) **(Fre)**

TOXICITY

5-Fluorouracil and recombinant interferon alfa-2a: review of activity and toxicity in advanced colorectal carcinomas. Pazdur R, et al. **Oncol Nurs Forum** 1991 Jan–Feb;18(1 Suppl):11–7 (18 ref.)

FLUOXETINE

ADVERSE EFFECTS

Adverse effects and drug interactions associated with fluoxetine therapy. Levinson ML, et al. **DICP** 1991 Jun; 25(6):657–61 (58 ref.)

Fluoxetine and suicidal ideation. McGrath BJ, et al. **DICP** 1991 Jun;25(6):607–9 (20 ref.)

PHARMACOLOGY

Fluoxetine and fluvoxamine. Guimaraes FS. **Br J Hosp Med** 1991 Mar;45(3):146, 149 (6 ref.)

Fluoxetine, a selective inhibitor of serotonin uptake. Fuller RW, et al. **Med Res Rev** 1991 Jan;11(1):17–34 (121 ref.)

THERAPEUTIC USE

Fluoxetine in bulimia. Nguyen T, et al. **DICP** 1991 Mar; 25(3):254–6 (14 ref.)

Fluoxetine treatment of bulimia nervosa. Walsh BT. **J Psychosom Res** 1991;35 Suppl 1:33–40 (43 ref.)

FLURAZEPAM

PHARMACOKINETICS

Quazepam and flurazepam: differential pharmacokinetic and pharmacodynamic characteristics. Hilbert JM, et al. **J Clin Psychiatry** 1991 Sep;52 Suppl:21–6 (34 ref.)

THERAPEUTIC USE

Sleep, performance, and plasma levels in chronic insomniacs during 14-day use of flurazepam and midazolam: an introduction. Johnson LC, et al. **J Clin Psychopharmacol** 1990 Aug;10(4 Suppl):5S–9S (38 ref.)

FLUSHING

DRUG THERAPY

Adverse effects of sustained-release niacin. Knapp TR, et al. **DICP** 1991 Mar;25(3):253–4 (14 ref.)

FMS PROTO-ONCOGENE PROTEIN see **RECEPTOR, MACROPHAGE COLONY-STIMULATING FACTOR**

FOAM CELLS

PATHOLOGY

Platelet-mediated foam cell formation in atherosclerosis. Curtiss LK, et al. **Clin Invest Med** 1990 Aug;13(4):189–95 (18 ref.)

FOAMY VIRUS see **SPUMAVIRINAE**

FOCAL INFECTION

ETIOLOGY

Catheter-related infections and associated septicemia. Norwood S, et al. **Chest** 1991 Apr;99(4):968–75 (65 ref.)

FOCAL INFECTION, DENTAL

Orofacial odontogenic infections: review of microbiology and current treatment. Gill Y, et al. **Oral Surg Oral Med Oral Pathol** 1990 Aug;70(2):155–8 (61 ref.)

COMPLICATIONS

Mediastinitis from odontogenic infection. Report of three cases and review of the literature. Garatea-Crelgo J, et al. **Int J Oral Maxillofac Surg** 1991 Apr;20(2):65–8 (15 ref.)

FOGARTY BALLOON CATHETERIZATION see **BALLOON DILATATION**

FOLEY BALLOON CATHETERIZATION see **BALLOON DILATATION**

FOLIBERIN RECEPTORS see **RECEPTORS, GONADOLIBERIN**

FOLIC ACID

ADMINISTRATION & DOSAGE

Folic acid, 1991: an update, with new recommended daily allowances. Kones R. **South Med J** 1990 Dec;83(12):1454–8 (16 ref.)

ANALOGS & DERIVATIVES

The renewed potential for folate antagonists in contemporary cancer chemotherapy. Berman EM, et al. **J Med Chem** 1991 Feb;34(2):479–85 (58 ref.)

ANALYSIS

Folate status assessment. Bailey LB. **J Nutr** 1990 Nov;120 Suppl 11:1508–11 (20 ref.)

BIOSYNTHESIS

Dapsone, folate synthesis and M. leprae. Chatterjee BR. **Indian J Lepr** 1990 Oct–Dec;62(4):459–66 (21 ref.)

PHARMACOKINETICS

How do foods affect folate bioavailability? **Nutr Rev** 1990 Aug;48(8):326–8 (8 ref.)

PHYSIOLOGY

Folate status and the immune system. Dhur A, et al. **Prog Food Nutr Sci** 1991;15(1–2):43–60 (107 ref.)

THERAPEUTIC USE

Regulation of galactose metabolism: implications for therapy. Segal S, et al. **J Inherited Metab Dis** 1990;13(4):487–500 (45 ref.)

FOLIC ACID ANTAGONISTS

PHARMACOLOGY

Thymidylate synthase inhibitors: the in vitro activity of a series of heterocyclic benzoyl ring modified 2-desamino-2-methyl-N10-substituted-5,8-dideazafolates. Jackman AL, et al. **Adv Enzyme Regul** 1991;31:13–27 (51 ref.)

5,10-Dideaza-5,6,7,8-tetrahydrofolic acid (DDATHF): a potent inhibitor of purine biosynthesis. **Nutr Rev** 1990 Nov; 48(11):421–3 (4 ref.)

The dihydrofolate reductase-thymidylate synthetase gene in the drug resistance of malaria parasites. Hyde JE. **Pharmacol Ther** 1990;48(1):45–59 (76 ref.)

The resistance of falciparum malaria in Africa to 4-aminoquinolines and antifolates. Schapira A. **Scand J Infect Dis Suppl** 1990;75:1–64 (182 ref.)

THERAPEUTIC USE

Update on trimetrexate, a folate antagonist with antineoplastic and antiprotozoal properties. Lin JT, et al. **Cancer Invest** 1991;9(2):159–72 (135 ref.)

The renewed potential for folate antagonists in contemporary cancer chemotherapy. Berman EM, et al. **J Med Chem** 1991 Feb;34(2):479–85 (58 ref.)

FOLIC ACID DEFICIENCY

see related
ANEMIA, SIDEROBLASTIC

ETIOLOGY

Folate status assessment. Bailey LB. **J Nutr** 1990 Nov;120 Suppl 11:1508–11 (20 ref.)

IMMUNOLOGY

Folate status and the immune system. Dhur A, et al. **Prog Food Nutr Sci** 1991;15(1–2):43–60 (107 ref.)

FOLIC ACID REDUCTASE see **TETRAHYDROFOLATE DEHYDROGENASE**

FOLIE A DEUX see **SHARED PARANOID DISORDER**

FOLINIC ACID see **LEUCOVORIN**

FOLK MEDICINE see **MEDICINE, TRADITIONAL**

FOLLICLE-STIMULATING HORMONE see **FSH**

FOLLICLE-STIMULATING HORMONE, ALPHA SUBUNIT see **GLYCOPROTEIN HORMONES, ALPHA SUBUNIT**

FOLLICLE-STIMULATING HORMONE RECEPTORS see **RECEPTORS, FSH**

FOLLICULAR ATRESIA

DRUG EFFECTS

Role of estradiol in regulating ovarian follicular atresia in rhesus monkeys: a review. Hutz RJ, et al. **J Med Primatol** 1990;19(6):553–71 (46 ref.)

FOLLICULAR CYST

PATHOLOGY

Follicular hybrid cysts. An expanded spectrum. Requena L, et al. **Am J Dermatopathol** 1991 Jun;13(3):228–33 (32 ref.)

FOLLICULAR LYMPHOMA see **LYMPHOMA, FOLLICULAR**

FOLLICULITIS

MICROBIOLOGY

[Pseudomonas aeruginosa folliculitis after skin depilation [letter] Repáraz Padrós J. **Enferm Infecc Microbiol Clin** 1990 Jun-Jul;8(6):393-4 (7 ref.) **(Spa)**

PATHOLOGY

Folliculitis. A clinicopathologic review. Herman LE, et al. **Pathol Annu** 1991;26 Pt 2:201-46 (114 ref.)

[Perforating folliculitis] Combemale P, et al. **Ann Dermatol Venereol** 1990;117(8):515-20 (23 ref.) (Eng. Abstr.) **(Fre)**

FOLLICULOSTATIN see **INHIBIN**

FOLLITROPIN RECEPTORS see **RECEPTORS, FSH**

FOLLOW-UP STUDIES

An analysis of methodology in follow-up studies of adult inpatient psychiatric treatment. Pfeiffer SI. **Hosp Community Psychiatry** 1990 Dec;41(12):1315-21 (104 ref.)

FOOD

see related
DIET
PLANTS, EDIBLE

Formation and action of anticarcinogenic fatty acids. Pariza MW, et al. **Adv Exp Med Biol** 1991;289:269-72 (9 ref.)

Dietary guidelines and the results of food consumption surveys. Block G. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):356S-357S (9 ref.)

Food, nutrients, health and disease: a historical perspective on the assessment and management of risks. McMichael AJ. **Aust J Public Health** 1991 Mar;15(1):7-13 (29 ref.)

Small intestinal effects of starchy foods. Wolever TM. **Can J Physiol Pharmacol** 1991 Jan;69(1):93-9 (72 ref.)

Food composition and food cariogenicity factors affecting the cariogenic potential of foods. Edmondson EM. **Caries Res** 1990;24 Suppl 1:60-71; discussion 72-9 (64 ref.)

The effect of food on cyclosporine absorption. Honcharik N. **Clin Biochem** 1991 Feb;24(1):89-92 (34 ref.)

Drug-mineral interactions: a new responsibility for the hospital dietitian. Murray JJ, et al. **J Am Diet Assoc** 1991 Jan;91(1):66-70, 73 (36 ref.)

Food sensitivity in asthma: perception and reality. Chiaramonte LT, et al. **J Asthma** 1991;28(1):5-9 (23 ref.)

Should we set a place for diet in ethnopharmacology? Etkin NL, et al. **J Ethnopharmacol** 1991 Apr;32(1-3):25-36 (83 ref.)

Postprandial lipemia and reverse cholesterol transport. **Nutr Rev** 1990 Sep;48(9):350-2 (6 ref.)

How do foods affect folate bioavailability? **Nutr Rev** 1990 Aug;48(8):326-8 (8 ref.)

Does food cause or cure arthritis? Panush RS. **Rheum Dis Clin North Am** 1991 May;17(2):259-72 (128 ref.)

[Feeding of young children in the European Economic Community and perspective in 1993] Rey J. **Arch Fr Pediatr** 1991 May;48(5):363-7 (24 ref.) **(Fre)**

[The effect of food intake on drug action] Pletscher W, et al. **Pharm Acta Helv** 1990;65(8):210-4 (27 ref.) (Eng. Abstr.) **(Ger)**

[Regulation of the intestinal flora by food] Gedek BR. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2-3):277-301 (72 ref.) (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Food, food additives and urticaria. Lessof MH. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:316-20 (12 ref.)

Nutritional toxicology: basic principles and actual problems. Hathcock JN. **Food Addit Contam** 1990;7 Suppl 1:S12-8 (50 ref.)

Implication of membrane functions in toxicology. Mitjavila S. **Food Addit Contam** 1990;7 Suppl 1:S111-5 (11 ref.)

STANDARDS

Food safety assurance: the European perspective. Quattrucci E, et al. **Adv Exp Med Biol** 1991;289:1-9 (7 ref.)

Off-flavors in foods. Reineccius G. **Crit Rev Food Sci Nutr** 1991;29(6):381-402 (98 ref.)

Beyond water activity: recent advances based on an alternative approach to the assessment of food quality and safety. Slade L, et al. **Crit Rev Food Sci Nutr** 1991; 30(2-3):115-360 (443 ref.)

[Laboratory control over the nutrition of the troops in the active army] Egiazarov GM. **Voen Med Zh** 1991 Mar; (3):9-12 (11 ref.) **(Rus)**

FOOD ADDITIVES

ADMINISTRATION & DOSAGE

Safety factors and establishment of acceptable daily intakes. Renwick AG. **Food Addit Contam** 1991 Mar-Apr; 8(2):135-49 (33 ref.)

The concept of the acceptable daily intake: an historical review. Truhaut R. **Food Addit Contam** 1991 Mar-Apr; 8(2):151-62 (18 ref.)

Acceptable daily intake vs actual intake: the aspartame example. Butchko HH, et al. **J Am Coll Nutr** 1991 Jun; 10(3):258-66 (54 ref.)

ADVERSE EFFECTS

Food, food additives and urticaria. Lessof MH. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:316-20 (12 ref.)

Safety assessment procedures for indirect food additives: an overview. Report of a workshop. Munro IC. **Regul Toxicol Pharmacol** 1990 Aug;12(1):2-12 (33 ref.)

Screening procedures for evaluating the potential carcinogenicity of food-packaging chemicals. Williams GM. **Regul Toxicol Pharmacol** 1990 Aug;12(1):30-40 (44 ref.)

ANALYSIS

[Additives and DVGW regulations] Liessfeld R. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:93-102 (7 ref.) **(Ger)**

HISTORY

The history of nitrite in human nutrition: a contribution from German cookery books. Lauer K. **J Clin Epidemiol** 1991; 44(3):261-4 (29 ref.)

PHARMACOLOGY

Feed additives. Hutjens MF. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):525-40 (55 ref.)

TOXICITY

Toxicological properties of carrageenan. Weiner ML. **Agents Actions** 1991 Jan;32(1-2):46-51 (35 ref.)

Toxicity and carcinogenicity of potassium bromate--a new renal carcinogen. Kurokawa Y, et al. **Environ Health Perspect** 1990 Jul;87:309-35 (111 ref.)

Toxicological evaluation of some food additives including food colours, thickening agents and others. Joint FAO/WHO Expert Committee on Food Additives. **FAO Nutr Meet Rep Ser** 1975;(55A):1-89 (202 ref.)

Toxicological evaluation of some enzymes, modified starches and certain other substances. Joint FAO/WHO Expert Committee on Food Additives. **FAO Nutr Meet Rep Ser** 1972;(50A):1-109 (258 ref.)

Safety evaluation of substances consumed as technical ingredients (food additives). Poulsen E. **Food Addit Contam** 1991 Mar-Apr;8(2):125-33 (23 ref.)

Shortcomings of current strategy for toxicity testing of food chemicals: polyols. Roe FJ. **Food Chem Toxicol** 1990 Nov; 28(11):739-42 (22 ref.)

FOOD ADULTERATION see **FOOD CONTAMINATION**

FOOD ALLERGY see **FOOD HYPERSENSITIVITY**

FOOD ANALYSIS

Beyond dietary fiber. Spiller GA. **Am J Clin Nutr** 1991 Oct; 54(4):615-7 (13 ref.)

Changes in the quantitative and qualitative composition of fat from fish, due to seasonality and industrial and culinary processing. Varela G, et al. **Bibl Nutr Dieta** 1990;(46):104-9 (17 ref.)

The structure and interactions of starch with food constituents. Biliaderis CG. **Can J Physiol Pharmacol** 1991 Jan;69(1):60-78 (170 ref.)

Food composition and food cariogenicity factors affecting the cariogenic potential of foods. Edmondson EM. **Caries Res** 1990;24 Suppl 1:60-71; discussion 72-9 (64 ref.)

Quantitative structure-activity relationships of heterocyclic amine mutagens formed during the cooking of food. Hatch FT, et al. **Environ Mol Mutagen** 1991;17(1):4-19 (90 ref.)

Silicon in foods and diets. Pennington JA. **Food Addit Contam** 1991 Jan-Feb;8(1):97-118 (53 ref.)

Nitrates, nitrites and N-nitrosocompounds: a review of the occurrence in food and diet and the toxicological implications. Walker R. **Food Addit Contam** 1990 Nov-Dec; 7(6):717-68 (375 ref.)

Occurrence of and exposure to N-nitrosamines in Sweden: a review. Osterdahl BG. **IARC Sci Publ** 1991;(105):235-7 (7 ref.)

Cooked-food mutagens: current knowledge of formation and biological significance. Overvik E, et al. **Mutagenesis** 1990 Sep;5(5):437-46 (161 ref.)

Occurrence, identification, and bacterial mutagenicity of heterocyclic amines in cooked food. Felton JS, et al. **Mutat Res** 1991 Mar-Apr;259(3-4):205-17 (52 ref.)

Taste-active components in some foods: a review of Japanese research. Fuke S, et al. **Physiol Behav** 1991 May;49(5):863-8 (27 ref.)

Antimutagenic/anticarcinogenic food components. Aeschbacher HU. **Prog Clin Biol Res** 1990;347:201-16 (58 ref.)

New mutagens from cooked food. Felton JS, et al. **Prog Clin Biol Res** 1990;347:19-38 (49 ref.)

Mutagens and carcinogens in food. Sugimura T, et al. **Prog Clin Biol Res** 1990;347:1-18 (50 ref.)

[Current methods of staphylococcal enterotoxin detection in food products] Domaradskaia TI. **Vopr Pitan** 1991 Jan-Feb; (1):7-12 (75 ref.) **(Rus)**

METHODS

Delimitation problems in definition and analysis of dietary fiber. Asp NG. **Adv Exp Med Biol** 1990;270:227-36 (30 ref.)

Non-starch polysaccharides (dietary fiber) and resistant starch. Englyst HN, et al. **Adv Exp Med Biol** 1990; 270:205-25 (63 ref.)

Improved methods for analysis and biological characterization of fiber. Jeraci JL, et al. **Adv Exp Med Biol** 1990;270:245-63 (45 ref.)

Issues in dietary fiber analysis. Marlett JA. **Adv Exp Med Biol** 1990;270:183-92 (30 ref.)

Dietary fiber analysis and nutrition labelling. Schweizer TF. **Adv Exp Med Biol** 1990;270:265-72 (35 ref.)

Food analysis on silica-bound HPLC phases. Khurana AL. **Crit Rev Food Sci Nutr** 1990;29(3):197-235 (256 ref.)

Determination of dioxins and furans in foods and biological tissues: review and update. Firestone D. **J Assoc Off Anal Chem** 1991 Mar-Apr;74(2):375-84 (109 ref.)

Immunoassay of pesticides. Kaufman BM, et al. **J Assoc Off Anal Chem** 1991 Mar-Apr;74(2):239-47 (75 ref.)

[Monitoring of xenobiotics in food products and daily diets (review of the literature)] Gabovich RD, et al. **Gig Sanit** 1990 Jul;(7):26-32 (56 ref.) **(Rus)**

STANDARDS

Precision parameters of methods of analysis required for nutrition labeling. Part I. Major nutrients. Horwitz W, et al. **J Assoc Off Anal Chem** 1990 Sep-Oct;73(5):661-80 (18 ref.)

FOOD AND DRUG ADMINISTRATION (U.S.) see **UNITED STATES FOOD AND DRUG ADMINISTRATION**

FOOD BROWNING see **MAILLARD REACTION**

FOOD, CANNED see **FOOD PRESERVATION**

FOOD COLORING AGENTS

TOXICITY

Toxicological evaluation of some food additives including food colours, thickening agents and others. Joint FAO/WHO Expert Committee on Food Additives. **FAO Nutr Meet Rep Ser** 1975;(55A):1-89 (202 ref.)

FOOD CONTAMINATION

Heterocyclic amines: new mutagens and carcinogens in cooked foods. Sugimura T, et al. **Adv Exp Med Biol** 1991; 283:569-78 (74 ref.)

Relay toxicity. Boisseau J. **Drug Metab Rev** 1990; 22(6-8):685-97 (19 ref.)

Relationships between hepatic neoplasms and related lesions and exposure to toxic chemicals in marine fish from the U.S. West Coast. Myers MS, et al. **Environ Health Perspect** 1991 Jan;90:7-15 (44 ref.)

Physiologically significant food contaminants. Wogan GN. **Fed Proc** 1966 Jan-Feb;25(1):124-9 (55 ref.)

The toxicological significance of xenobiotic metabolism. Caldwell J, et al. **Food Addit Contam** 1990;7 Suppl 1:S116-26 (32 ref.)

Risk assessment of antibiotic residues of beta-lactams and macrolides in food products with regard to their immuno-allergic potential. Dewdney JM, et al. **Food Chem Toxicol** 1991 Jul;29(7):477-83 (29 ref.)

Chemistry and biological activity of volatile and nonvolatile mutagenic compounds from cooked food. Overvik E, et al. **IARC Sci Publ** 1990;(104):408-14 (58 ref.)

Food as source of complex mixtures of mutagens and carcinogens. Sugimura T. **IARC Sci Publ** 1990; (104):399-407 (45 ref.)

Theory, use, and realities of efficacy and food safety of antimicrobial treatment of acute coliform mastitis. Erskine RJ, et al. **J Am Vet Med Assoc** 1991 Mar 15;198(6):980-4 (66 ref.)

Great Lakes embryo mortality, edema, and deformities syndrome (GLEMEDS) in colonial fish-eating birds: similarity to chick-edema disease. Gilbertson M, et al. **J Toxicol Environ Health** 1991 Aug;33(4):455-520 (202 ref.)

Consumption of fish: benefits and perceived risk. Kimbrough RD. **J Toxicol Environ Health** 1991 May;33(1):81-91 (23 ref.)

Effects of organochlorine chemicals on the reproductive outcome of humans who consumed contaminated Great Lakes fish: an epidemiologic consideration. Swain WR. **J Toxicol Environ Health** 1991 Aug;33(4):587-639 (89 ref.)

Cause-effect linkages between chemicals and populations of mink (Mustela vison) and otter (Lutra canadensis) in the Great Lakes basin. Wren CD. **J Toxicol Environ Health** 1991 Aug;33(4):549-85 (104 ref.)

Veterinary sources of foodborne illness. Johnston AM. **Lancet** 1990 Oct 6;336(8719):856-8 (15 ref.)

Foodborne disease due to Bacillus and Clostridium species. Lund BM. **Lancet** 1990 Oct 20;336(8721):982-6 (13 ref.)

Sources of infection: food. Roberts D. **Lancet** 1990 Oct 6;

336(8719):859–61 (22 ref.)
Campylobacter. Skirrow MB. **Lancet** 1990 Oct 13; 336(8720):921–3 (17 ref.)
Mycotoxins: food contamination, mechanism, carcinogenic potential and preventive measures. Chu FS. **Mutat Res** 1991 Mar–Apr;259(3–4):291–306 (124 ref.)
Mechanism of action of food-associated polycyclic aromatic hydrocarbon carcinogens. Dipple A, et al. **Mutat Res** 1991 Mar–Apr;259(3–4):263–76 (76 ref.)
The formation and occurrence of polynuclear aromatic hydrocarbons associated with food. Lijinsky W. **Mutat Res** 1991 Mar–Apr;259(3–4):251–61 (42 ref.)
Carcinogenicities of heterocyclic amines in cooked food. Ohgaki H, et al. **Mutat Res** 1991 Mar–Apr; 259(3–4):399–410 (44 ref.)
Carcinogenic N-nitrosamines in the diet: occurrence, formation, mechanisms and carcinogenic potential. Tricker AR, et al. **Mutat Res** 1991 Mar–Apr;259(3–4):277–89 (74 ref.)
Chemical food contaminants in the initiation of cancer. Tricker AR, et al. **Proc Nutr Soc** 1990 Jul;49(2):133–44 (53 ref.)
Metabolic activation of food hepatocarcinogens in hepatitis B virus–infected humans and animals. De Flora S, et al. **Prog Clin Biol Res** 1990;347:167–82 (35 ref.)
Fumigants and related chemicals in foods: review of residue findings, contamination sources, and analytical methods. Daft JL. **Sci Total Environ** 1991 Mar;100 Spec No:501–18 (138 ref.)
The apparently minimal hazard posed to human consumers of products from animals fed trichothecene-contaminated grains. Beasley VR, et al. **Vet Hum Toxicol** 1990;32 Suppl:27–39 (106 ref.)
Perspectives on human health concerns arising from natural toxicants in feeds and poisonous plants. Cheeke PR. **Vet Hum Toxicol** 1990;32 Suppl:71–5 (27 ref.)
Why these toxins and why now? Hall JO, et al. **Vet Hum Toxicol** 1990;32 Suppl:2–5 (46 ref.)
The potential for the toxic principles of Astragalus and related plants to appear in meat and milk. James LF, et al. **Vet Hum Toxicol** 1990;32 Suppl:104–9 (47 ref.)
Risk assessment to humans of mycotoxins in animal-derived food products [corrected and republished article originally printed in Vet Hum Toxicol 1990;32 Suppl:6–13; discussion 13–4] Kuiper-Goodman T. **Vet Hum Toxicol** 1991 Aug; 33(4):325–32; discussion 332–3 (49 ref.)
Pyrrolizidine alkaloids in milk: thresholds of intoxication. Molyneux RJ, et al. **Vet Hum Toxicol** 1990;32 Suppl:94–103 (54 ref.)
Conium, Lupinus, and Nicotiana alkaloids: fetal effects and the potential for residues in milk. Panter KE, et al. **Vet Hum Toxicol** 1990;32 Suppl:89–93; discussion 93–4 (51 ref.)
[Injury to the immune system by food contaminated by environmental toxins] Stickl HA. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):232–40 (10 ref.) (Eng. Abstr.) **(Ger)**
[The toxicology of caprolactam--a pollutant of water and food (a review)] Sheftel' VO. **Gig Sanit** 1990 Oct;(10):33–4 (17 ref.) **(Rus)**

ANALYSIS

Formation of heterocyclic amines during meat extract processing and cooking. Aeschbacher HU. **Adv Exp Med Biol** 1991;289:107–13 (23 ref.)
Carcinogen adducts as an indicator for the public health risks of consuming carcinogen-exposed fish and shellfish. Dunn BP. **Environ Health Perspect** 1991 Jan;90:111–6 (51 ref.)
Carcinogenesis studies in rodents for evaluating risks associated with chemical carcinogens in aquatic food animals. Huff J, et al. **Environ Health Perspect** 1991 Jan; 90:127–32 (101 ref.)
Evaluation of human exposure to the heptachlor epoxide contamination of milk in Hawaii. Baker DB, et al. **Hawaii Med J** 1991 Mar;50(3):108–12, 118 (24 ref.)
Role of FDA in establishing tolerable levels for dioxin and PCBs in aquatic organisms. Boyer IJ, et al. **J Toxicol Environ Health** 1991 May;33(1):93–101 (21 ref.)
Mutagens and carcinogens in food. Sugimura T, et al. **Prog Clin Biol Res** 1990;347:1–18 (50 ref.)
Pesticide residues in food crops analyzed by the California Department of Food and Agriculture in 1989. Okumura D, et al. **Rev Environ Contam Toxicol** 1991;118:87–151 (24 ref.)
Pesticide residues in foods imported into the United States. Wessel JR, et al. **Rev Environ Contam Toxicol** 1991; 120:83–104 (28 ref.)
[A method of atomic absorption spectrophotometry (AAS) for analysis of cadmium and lead levels in the plant material] Jędrzejczak R, et al. **Rocz Panstw Zakl Hig** 1990; 41(5–6):223–9 (8 ref.) (Eng. Abstr.) **(Pol)**

LEGISLATION & JURISPRUDENCE

Rationales for the establishment of limits and regulations for mycotoxins. Stoloff L, et al. **Food Addit Contam** 1991 Mar–Apr;8(2):213–21 (20 ref.)
Mutagens and carcinogens in the diet. Regulatory perspective: Japan. Sato S. **Prog Clin Biol Res** 1990; 347:295–306 (19 ref.)
[Additives and DVGW regulations] Liessfeld R. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:93–102 (7 ref.) **(Ger)**

PREVENTION & CONTROL

Integration of hygiene into food technology. Nurmi E, et al. **Bibl Nutr Dieta** 1990;(47):12–8 (11 ref.)
Immunochemical probes for food proteins after heat processing. Paraf A, et al. **Experientia** 1991 Jun 15; 47(6):585–92 (29 ref.)
Detection and detoxification of aflatoxins: prevention of aflatoxicosis and aflatoxin residues with hydrated sodium calcium aluminosilicate. Phillips TD, et al. **Vet Hum Toxicol** 1990;32 Suppl:15–9 (18 ref.)
[Nutrition and consumer health protection] Grossklaus D. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):102–16 (43 ref.) (Eng. Abstr.) **(Ger)**
[Monitoring of xenobiotics in food products and daily diets (review of the literature)] Gabovich RD, et al. **Gig Sanit** 1990 Jul;(7):26–32 (56 ref.) **(Rus)**

STATISTICS & NUMERICAL DATA

Epidemiologic approaches to assessing human cancer risk from consuming aquatic food resources from chemically contaminated water. Ozonoff D, et al. **Environ Health Perspect** 1991 Jan;90:141–6 (79 ref.)
Fish consumption advisories: toward a unified, scientifically credible approach. Dourson ML, et al. **Regul Toxicol Pharmacol** 1990 Oct;12(2):161–78 (26 ref.)

FOOD DEPRIVATION

see related
HUNGER
STARVATION

PHYSIOLOGY

Dietary restriction as a probe of mechanisms of senescence. Masoro EJ, et al. **Annu Rev Gerontol Geriatr** 1990; 10:183–97 (57 ref.)
Feed restriction of turkey breeder hens--a review. Hester PY, et al. **Poult Sci** 1990 Sep;69(9):1439–46 (22 ref.)

FOOD DIARIES see **DIET RECORDS**

FOOD, DRIED see **FOOD PRESERVATION**

FOOD, DRUG AND COSMETIC ACT see **LEGISLATION, DRUG**

FOOD, FORMULATED

Reducing fat intake with fat substitutes. Ruoff GE. **Am Fam Physician** 1991 Apr;43(4):1235–42 (24 ref.)
Approaching the protein-sparing modified fast. Seim HC, et al. **Am Fam Physician** 1990 Nov;42(5 Suppl):51S–56S (23 ref.)
Safe and effective tube feeding of bedridden elderly. Henderson CT. **Geriatrics** 1991 Aug;46(8):56–8, 63–6 (21 ref.)
Gluten-free diet and elemental diet in dermatitis herpetiformis. van der Meer JB. **Int J Dermatol** 1990 Dec; 29(10):679–92 (146 ref.)
Enteral alimentation: administration and complications. Benya R, et al. **J Am Coll Nutr** 1991 Jun;10(3):209–19 (92 ref.)
Guidelines for the scientific review of enteral food products for special medical purposes. Prepared for the Center for Food Safety and Applied Nutrition, Food and Drug Administration. Talbot JM. **JPEN J Parenter Enteral Nutr** 1991 May–Jun;15(3 Suppl):99S–174S, A1–E2 (346 ref.)
Enteral tube feeding: a clinical perspective on recent advances. Mobarhan S, et al. **Nutr Rev** 1991 May; 49(5):129–40 (69 ref.)
The germ-free animal fed chemically defined diet: a unique tool. Wostmann BS, et al. **Proc Soc Exp Biol Med** 1991 Oct;198(1):539–46 (62 ref.)
Nutritional management of inflammatory bowel disease. Dudrick SJ, et al. **Surg Clin North Am** 1991 Jun; 71(3):609–23 (79 ref.)
[Enteral feeding in oncology] Richter G, et al. **Infusionstherapie** 1990 Dec;17(6):291–9 (70 ref.) (Eng. Abstr.) **(Ger)**
[Artificial nutrition in bone marrow transplantation] Pastó Cardona L, et al. **Nutr Hosp** 1990 Sep–Oct;5(5):295–303 (54 ref.) (Eng. Abstr.) **(Spa)**

FOOD, FORTIFIED

Fortification of the diet as a strategy for preventing iron deficiency. MacPhail AP, et al. **Acta Paediatr Scand Suppl** 1989;361:114–24 (51 ref.)
[Fortification and enrichment of foods: considerations on their use for achieving nutritional goals] Torún B. **Arch Latinoam Nutr** 1988 Sep;38(3):647–55 (31 ref.) (Eng. Abstr.) **(Spa)**

STANDARDS

Do infants need nucleotide supplemented formula for optimal nutrition? [editorial] Quan R, et al. **J Pediatr Gastroenterol Nutr** 1990 Nov;11(4):429–34 (57 ref.)

FOOD HABITS

Food patterns in the British isles. Buss DH. **Ann Nutr Metab** 1991;35 Suppl 1:12–21 (14 ref.)
Diet patterns and health problems: diet in southern Europe. Buzina R, et al. **Ann Nutr Metab** 1991;35 Suppl 1:32–40 (22 ref.)
Dietary patterns and cancer. Cottrell RC. **Ann Nutr Metab** 1991;35 Suppl 1:98–102 (6 ref.)
Food patterns and health problems: central Europe. Kohlmeier L. **Ann Nutr Metab** 1991;35 Suppl 1:22–31 (6 ref.)
Food patterns and health problems: health in southern Europe. Menotti A. **Ann Nutr Metab** 1991;35 Suppl 1:69–77 (15 ref.)
Food patterns in the Nordic countries. Trygg K. **Ann Nutr Metab** 1991;35 Suppl 1:3–11 (25 ref.)
Behavioural aspects of dietary habits and dental caries. Birkhed D. **Caries Res** 1990;24 Suppl 1:27–35; discussion 36–42 (55 ref.)
Changes in diet and changes in cancer risk: observational studies. Parkin DM, et al. **IARC Sci Publ** 1990;(103):93–111 (64 ref.)
A review of the relationship between coffee consumption and coronary heart disease. Christensen L, et al. **J Community Health** 1990 Dec;15(6):391–408 (36 ref.)
Causes of schizophrenia. Hemmings G. **Nutr Health** 1990; 7(1):11–9 (17 ref.)
[New knowledge about the stomach and nutrition] Wolff G. **Z Arztl Fortbild (Jena)** 1991 Apr 10;85(7):287–90 (36 ref.) **(Ger)**
[Nutrition and primary osteoporosis] Hötzel D, et al. **Z Gesamte Inn Med** 1991 May;46(7):240–8 (80 ref.) (Eng. Abstr.) **(Ger)**
[Desirable and undesirable food customs, practices and habits] Bourges H. **Arch Latinoam Nutr** 1988 Sep; 38(3):766–79 (14 ref.) (Eng. Abstr.) **(Spa)**
[Changes in the patterns of food consumption in Latin America] Tagle MA. **Arch Latinoam Nutr** 1988 Sep; 38(3):750–65 (23 ref.) (Eng. Abstr.) **(Spa)**

ETHNOLOGY

Cardiovascular disease risk factors in Australian aborigines. O'Dea K. **Clin Exp Pharmacol Physiol** 1991 Feb;18(2):85–8 (10 ref.)

PSYCHOLOGY

[Psychogenic stimulation of the immune system by nutrition] Bergler R, et al. **Zentralbl Hyg Umweltmed** 1991 Mar; 191(2–3):241–64 (197 ref.) (Eng. Abstr.) **(Ger)**

FOOD HANDLING

see related
MAILLARD REACTION

Damages to feed proteins and their nutritional consequences: a review. Hegedüs M. **Acta Vet Hung** 1990;38(3):125–41 (41 ref.)
Effect of food processing and preparation on mineral utilization. Johnson PE. **Adv Exp Med Biol** 1991;289:483–98 (84 ref.)
Reduction of whey protein allergenicity by processing. Jost R, et al. **Adv Exp Med Biol** 1991;289:309–20 (24 ref.)
Digestibility of processed food protein. Oste RE. **Adv Exp Med Biol** 1991;289:371–88 (110 ref.)
The effect of food processing on phytate hydrolysis and availability of iron and zinc. Sandberg AS. **Adv Exp Med Biol** 1991;289:499–508 (26 ref.)
Amino acid ratings of different forms of infant formulas based on varying degrees of processing. Sarwar G. **Adv Exp Med Biol** 1991;289:389–402 (17 ref.)
Meat mutagens. Chen C, et al. **Adv Food Nutr Res** 1990; 34:387–449 (244 ref.)
Changes in the quantitative and qualitative composition of fat from fish, due to seasonality and industrial and culinary processing. Varela G, et al. **Bibl Nutr Dieta** 1990;(46):104–9 (17 ref.)
Aeromicrobiology--a review. al-Dagal M, et al. **Crit Rev Food Sci Nutr** 1990;29(5):333–40 (52 ref.)
Glycolysis and related reactions during cheese manufacture and ripening. Fox PF, et al. **Crit Rev Food Sci Nutr** 1990; 29(4):237–53 (136 ref.)
Volatiles in packaging materials. Kim-Kang H. **Crit Rev Food Sci Nutr** 1990;29(4):255–71 (157 ref.)
Foodborne viruses. Appleton H. **Lancet** 1990 Dec 1; 336(8727):1362–4 (17 ref.)
[Bean grain quality] Bressani R. **Arch Latinoam Nutr** 1989 Sep;39(3):419–42 (62 ref.) (Eng. Abstr.) **(Spa)**
[Characterization of the nutritional potential of tepari bean (Phaseolus acutifolius) grown in Mexico] González de Mejía E, et al. **Arch Latinoam Nutr** 1988 Dec;38(4):907–24 (47 ref.) (Eng. Abstr.) **(Spa)**

METHODS

Yersinia enterocolitica in food hygiene. Kapperud G. **Int J Food Microbiol** 1991 Jan;12(1):53–65 (40 ref.)
Epidemiological studies and proposed preventive measures in the fight against human salmonellosis. Oosterom J. **Int J Food Microbiol** 1991 Jan;12(1):41–51 (24 ref.)
Sources of infection: food. Roberts D. **Lancet** 1990 Oct 6; 336(8719):859–61 (22 ref.)

STANDARDS

Immunochemical probes for food proteins after heat processing. Paraf A, et al. **Experientia** 1991 Jun 15; 47(6):585–92 (29 ref.)
Changes in nutritional quality of food in catering. Paulus K. **J Nutr Sci Vitaminol (Tokyo)** 1990;36 Suppl 1:S35–44; discussion S44–5 (11 ref.)
Health risks of foreign travel. Preparing adults for jaunts abroad. Spees DN. **Postgrad Med** 1991 Jun;89(8):147–50, 153, 156 (18 ref.)

FOOD HYPERSENSITIVITY

Food allergy in children: diagnosis and treatment with sodium cromoglycate. Businco L, et al. **Allergol Immunopathol (Madr)** 1990 Nov–Dec;18(6):339–48 (38 ref.)
Food hypersensitivity. Bahna SL, et al. **Rheum Dis Clin North Am** 1991 May;17(2):243–9 (23 ref.)
Pseudo–food allergy. Pearson DJ. **Rheum Dis Clin North Am** 1991 May;17(2):343–9 (21 ref.)

COMPLICATIONS

Food sensitivity in asthma: perception and reality. Chiaramonte LT, et al. **J Asthma** 1991;28(1):5–9 (23 ref.)
Dietary fiber, food intolerance, and irritable bowel syndrome. **Nutr Rev** 1990 Sep;48(9):343–6 (15 ref.)
Food allergy and atopic eczema. Przybilla B, et al. **Semin Dermatol** 1990 Sep;9(3):220–5 (44 ref.)
[Food, diets and rheumatoid arthritis] Panush RS. **Rev Rhum Mal Osteoartic** 1991 Apr;58(3 (Pt 2)):35S–42S (107 ref.) **(Fre)**
[Significance of food allergens for the development of hyperreactive airway diseases] Mileder P. **Wien Med Wochenschr** 1990 Aug 31;140(16):428–31 (22 ref.) (Eng. Abstr.) **(Ger)**
[Food allergy in pathogenesis of atopic dermatitis] Yoshida H. **Nippon Hifuka Gakkai Zasshi** 1990 Nov;100(13):1342–4 (4 ref.) **(Jpn)**

DIAGNOSIS

Food allergy: diagnosis and strategies for prevention. Chandra RK, et al. **Beitr Infusionther** 1991;27:142–51 (20 ref.)
Childhood food intolerance. David TJ. **Br J Hosp Med** 1991 Apr;45(4):220–3 (18 ref.)
The intracutaneous progressive dilution multi–food test. King WP, et al. **Otolaryngol Head Neck Surg** 1991 Feb; 104(2):235–8 (14 ref.)
[Food allergy. I. Definition; other undesirable reactions to food; the mucosal gastrointestinal barrier] Pelikan Z, et al. **Ned Tijdschr Geneeskd** 1991 Jan 12;135(2):49–55 (39 ref.) **(Dut)**

DIET THERAPY

[Nutrition in atopic diseases] Bauer CP. **Padiatr Padol** 1990; 25(6):409–13 (16 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Studies of food allergens: soybean and egg proteins. Djurtoft R, et al. **Adv Exp Med Biol** 1991;289:281–93 (25 ref.)
The clinical spectrum of food allergy in adults. Anderson JA. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:304–15 (54 ref.)
Food allergy and intolerance. Brostoff J. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:325–9 (11 ref.)
[Food allergies] Oberritter H. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):316–26 (8 ref.) (Eng. Abstr.) **(Ger)**
[A case of food–dependent exercise–induced anaphylaxis] Watanabe T, et al. **Arerugi** 1990 Nov;39(11):1523–8 (32 ref.) (Eng. Abstr.) **(Jpn)**
[Allergy and the endocrine system of the gastrointestinal tract] Nogaller AM, et al. **Klin Med (Mosk)** 1991 Apr; 69(4):17–23 (48 ref.) **(Rus)**

IMMUNOLOGY

Immune mechanisms in food allergy. Metcalfe DD. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:321–4 (4 ref.)
GALT involvement in food allergy. Moneret–Vautrin DA, et al. **Food Addit Contam** 1990;7 Suppl 1:S73–81 (51 ref.)
[Food allergy. II. Non–optimal function of the mucosal gastrointestinal barrier; types of allergic reactions; symptoms, diagnosis and treatment] Pelikan Z, et al. **Ned Tijdschr Geneeskd** 1991 Jan 12;135(2):55–60 (36 ref.) **(Dut)**

PREVENTION & CONTROL

Prevention of food allergy in infancy. Zeiger RS. **Ann Allergy** 1990 Dec;65(6):430–42 (55 ref.)
Food allergy: diagnosis and strategies for prevention. Chandra RK, et al. **Beitr Infusionther** 1991;27:142–51 (20 ref.)
Prevention of childhood allergy by dietary manipulation. Businco L, et al. **Clin Exp Allergy** 1990 Sep;20 Suppl 3:9–14 (32 ref.)

THERAPY

False allergic reactions in children with atopic eczema. David TJ. **Eur J Clin Nutr** 1991;45 Suppl 1:47–51 (32 ref.)

VETERINARY

An animal model of food allergic arthritis. Panush RS. **Rheum Dis Clin North Am** 1991 May;17(2):251–7 (36 ref.)

FOOD, INFANT see **INFANT FOOD**

FOOD INSPECTION

[A review of the diagnostic possibilities of illegal drug administration in slaughtered animals and meat inspection] Ellerbroek L. **DTW Dtsch Tierarztl Wochenschr** 1990 Aug; 97(8):307–13 (105 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Application of acute phase reactants during antemortem and postmortem meat inspection. Saini PK, et al. **J Am Vet Med Assoc** 1991 Jun 1;198(11):1898–901 (48 ref.)

FOOD INTAKE see **EATING**

FOOD INTAKE REGULATION see **APPETITE REGULATION**

FOOD, IRRADIATED see **FOOD IRRADIATION**

FOOD IRRADIATION

[Food irradiation: global aspects and future prospects] Matsuyama A. **Radioisotopes** 1990 Jul;39(7):316–25 (128 ref.) **(Jpn)**

STANDARDS

Wholesomeness and safety of irradiated foods. Swallow AJ. **Adv Exp Med Biol** 1991;289:11–31 (52 ref.)

FOOD LABELING

Dietary fiber analysis and nutrition labelling. Schweizer TF. **Adv Exp Med Biol** 1990;270:265–72 (35 ref.)
Review of nutrition labeling formats. Geiger CJ, et al. **J Am Diet Assoc** 1991 Jul;91(7):808–12, 815 (55 ref.)

STANDARDS

Precision parameters of methods of analysis required for nutrition labeling. Part I. Major nutrients. Horwitz W, et al. **J Assoc Off Anal Chem** 1990 Sep–Oct;73(5):661–80 (18 ref.)

FOOD LAWS see **LEGISLATION, FOOD**

FOOD MICROBIOLOGY

Foodborne yeasts. Deák T. **Adv Appl Microbiol** 1991; 36:179–278 (423 ref.)
Wholesomeness and safety of irradiated foods. Swallow AJ. **Adv Exp Med Biol** 1991;289:11–31 (52 ref.)
Integration of hygiene into food technology. Nurmi E, et al. **Bibl Nutr Dieta** 1990;(47):12–8 (11 ref.)
Biotechnology–based methods for the detection, enumeration and epidemiology of food poisoning and spoilage organisms. Dodd CE, et al. **Biotechnol Genet Eng Rev** 1990; 8:1–52 (264 ref.)
Epidemiology of human listeriosis. Schuchat A, et al. **Clin Microbiol Rev** 1991 Apr;4(2):169–83 (179 ref.)
Aeromicrobiology—a review. al–Dagal M, et al. **Crit Rev Food Sci Nutr** 1990;29(5):333–40 (52 ref.)
Glycolysis and related reactions during cheese manufacture and ripening. Fox PF, et al. **Crit Rev Food Sci Nutr** 1990; 29(4):237–53 (136 ref.)
Critical review of isolation, detection, and identification of yeasts from meat products. Fung DY, et al. **Crit Rev Food Sci Nutr** 1990;29(5):341–79 (78 ref.)
Modified atmosphere packaging of seafood. Stammen K, et al. **Crit Rev Food Sci Nutr** 1990;29(5):301–31 (147 ref.)
Enterococci in milk and milk products. Garg SK, et al. **Crit Rev Microbiol** 1991;18(1):15–45 (251 ref.)
Antagonistic activities of lactic acid bacteria in food and feed fermentations. Lindgren SE, et al. **FEMS Microbiol Rev** 1990 Sep;7(1•2):149–63 (145 ref.)
Aspects of the epidemiology of Yersinia enterocolitica: a review. Andersen JK, et al. **Int J Food Microbiol** 1991 Jul;13(3):231–7 (27 ref.)
Behavior of Aeromonas species at refrigeration temperatures. Beuchat LR. **Int J Food Microbiol** 1991 Jul;13(3):217–24 (51 ref.)
Campylobacter: pathogenicity and significance in foods. Butzler JP, et al. **Int J Food Microbiol** 1991 Jan;12(1):1–8 (29 ref.)
Pathogenicity of foodborne Salmonella. D'Aoust JY. **Int J Food Microbiol** 1991 Jan;12(1):17–40 (153 ref.)
Escherichia coli O157:H7 and its significance in foods. Doyle MP. **Int J Food Microbiol** 1991 Apr;12(4):289–301 (69 ref.)
Identification of foodborne pathogens by nucleic acid hybridization. Hill WE, et al. **Int J Food Microbiol** 1991 Jan;12(1):67–75 (51 ref.)
Yersinia enterocolitica in food hygiene. Kapperud G. **Int J Food Microbiol** 1991 Jan;12(1):53–65 (40 ref.)
Public health implication of refrigerated pasteurized ('sous–vide') foods. Mossel DA, et al. **Int J Food Microbiol** 1991 Jul;13(3):187–206 (160 ref.)
Evaluation and interpretation of data obtained with immunoassays and DNA–DNA hybridization techniques. Notermans S, et al. **Int J Food Microbiol** 1990 Aug; 11(1):35–49 (79 ref.)
Immunological methods for detection of foodborne pathogens and their toxins. Notermans S, et al. **Int J Food Microbiol** 1991 Jan;12(1):91–102 (42 ref.)
Pathogenic Escherichia coli found in food. Olsvik O, et al. **Int J Food Microbiol** 1991 Jan;12(1):103–13 (29 ref.)
Epidemiological studies and proposed preventive measures in the fight against human salmonellosis. Oosterom J. **Int J Food Microbiol** 1991 Jan;12(1):41–51 (24 ref.)
Occurrence and formation of biologically active amines in foods. ten Brink B, et al. **Int J Food Microbiol** 1990 Aug; 11(1):73–84 (17 ref.)
Aeromonas and Plesiomonas as food– and waterborne pathogens. Wadström T, et al. **Int J Food Microbiol** 1991 Apr;12(4):303–11 (37 ref.)
Yeast spoilage of bakery products and ingredients. Legan JD, et al. **J Appl Bacteriol** 1991 May;70(5):361–71 (58 ref.)
Food microbiology: an authentic academic discipline with substantial potential benefits for science and society. Mossel DA. **J Assoc Off Anal Chem** 1991 Jan–Feb;74(1):1–13 (73 ref.)
Eggs and Salmonella food–poisoning: an evaluation. Duguid JP, et al. **J Med Microbiol** 1991 Feb;34(2):65–72 (51 ref.)
Foodborne viruses. Appleton H. **Lancet** 1990 Dec 1; 336(8727):1362–4 (17 ref.)
Bovine spongiform encephalopathy [see comments] Collee JG. **Lancet** 1990 Nov 24;336(8726):1300–3 (29 ref.) Comment in: Lancet 1991 Jan 19;337(8734):173–4.
Pathogenic Escherichia coli, Yersinia enterocolitica, and Vibrio parahaemolyticus. Doyle MP. **Lancet** 1990 Nov 3; 336(8723):1111–5 (15 ref.)
Foodborne listeriosis. Jones D. **Lancet** 1990 Nov 10; 336(8724):1171–4 (32 ref.)
Foodborne staphylococcal illness. Tranter HS. **Lancet** 1990 Oct 27;336(8722):1044–6 (17 ref.)
Sources and survival of campylobacters: relevance to enteritis and the food industry. Park RW, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:97S–106S (82 ref.)
[Nutrition and consumer health protection] Grossklaus D. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):102–16 (43 ref.) (Eng. Abstr.) **(Ger)**

STANDARDS

Microbiological reference values for foods: a European perspective. Mossel DA, et al. **J Assoc Off Anal Chem** 1991 Mar–Apr;74(2):420–32 (136 ref.)

FOOD PARASITOLOGY

Foodborne protozoal infection [see comments] Casemore DP. **Lancet** 1990 Dec 8;336(8728):1427–32 (33 ref.) Comment in: Lancet 1991 Feb 9;337(8737):376–7.

FOOD PLANTS see **PLANTS, EDIBLE**

FOOD POISONING

Clinical implications of food contaminated by aflatoxins. Hendrickse RG. **Ann Acad Med Singapore** 1991 Jan; 20(1):84–90 (45 ref.)
Natural foodborne toxicants. Morgan MR, et al. **Lancet** 1990 Dec 15;336(8729):1492–5 (18 ref.)

DIAGNOSIS

Puffer fish poisoning. Lange WR. **Am Fam Physician** 1990 Oct;42(4):1029–33 (27 ref.)
Biotechnology–based methods for the detection, enumeration and epidemiology of food poisoning and spoilage organisms. Dodd CE, et al. **Biotechnol Genet Eng Rev** 1990; 8:1–52 (264 ref.)
Evaluation of the traveler. An introduction to emporiatrics for the emergency physician. Shepherd SM, et al. **Emerg Med Clin North Am** 1991 May;9(2):273–301 (99 ref.)

ETIOLOGY

Pathogenic Escherichia coli, Yersinia enterocolitica, and Vibrio parahaemolyticus. Doyle MP. **Lancet** 1990 Nov 3; 336(8723):1111–5 (15 ref.)
Foodborne toxins of marine origin: ciguatera. Juranovic LR, et al. **Rev Environ Contam Toxicol** 1991;117:51–94 (236 ref.)
[Ciguatera: an undesirable vacation souvenir] Schröter A, et al. **Med Monatsschr Pharm** 1991 Jul;14(7):206–10 (13 ref.) **(Ger)**

MICROBIOLOGY

Escherichia coli O157:H7 and its significance in foods. Doyle MP. **Int J Food Microbiol** 1991 Apr;12(4):289–301 (69 ref.)
Aeromonas and Plesiomonas as food– and waterborne pathogens. Wadström T, et al. **Int J Food Microbiol** 1991 Apr;12(4):303–11 (37 ref.)
Foodborne disease due to Bacillus and Clostridium species. Lund BM. **Lancet** 1990 Oct 20;336(8721):982–6 (13 ref.)
Sources and survival of campylobacters: relevance to enteritis and the food industry. Park RW, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:97S–106S (82 ref.)

PREVENTION & CONTROL

Food safety assurance: the European perspective. Quattrucci

E, et al. **Adv Exp Med Biol** 1991;289:1–9 (7 ref.)
Integration of hygiene into food technology. Nurmi E, et al. **Bibl Nutr Dieta** 1990;(47):12–8 (11 ref.)
[Nutrition and consumer health protection] Grossklaus D. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):102–16 (43 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

[Food poisoning] Weilemann LS, et al. **Internist (Berl)** 1991 Apr;32(4):175–80 (14 ref.) **(Ger)**
[Errors in performing pathogenetic therapy in acute intestinal infections] Brodov LE, et al. **Ter Arkh** 1990;62(11):31–5 (31 ref.) (Eng. Abstr.) **(Rus)**

FOOD PREFERENCES

Sensory and experiential factors in the design of foods for domestic dogs and cats. Bradshaw JW. **Proc Nutr Soc** 1991 Mar;50(1):99–106 (48 ref.)
Diet selection by animals: theory and experimental design. Emmans GC. **Proc Nutr Soc** 1991 Mar;50(1):59–64 (3 ref.)
Diet selection by grazing animals. Milne JA. **Proc Nutr Soc** 1991 Mar;50(1):77–85 (29 ref.)
Diet selection—an ecological perspective. Moss R. **Proc Nutr Soc** 1991 Mar;50(1):71–5 (16 ref.)
Diet selection of pigs and poultry. Rose SP, et al. **Proc Nutr Soc** 1991 Mar;50(1):87–98 (39 ref.)
Food choices and preferences of schoolchildren. Thomas J. **Proc Nutr Soc** 1991 Mar;50(1):49–57 (31 ref.)
Development of food choice during infancy. Wright P. **Proc Nutr Soc** 1991 Mar;50(1):107–13 (33 ref.)

ETHNOLOGY

The child of today and the Mediterranean diet. Fidanza AA, et al. **Beitr Infusionther** 1991;27:152–60 (5 ref.)

PHYSIOLOGY

Mechanisms of diet selection: the translation of needs into behaviour. Rogers PJ, et al. **Proc Nutr Soc** 1991 Mar; 50(1):65–70 (32 ref.)

PSYCHOLOGY

The phenomenology of food cravings. Weingarten HP, et al. **Appetite** 1990 Dec;15(3):231–46 (109 ref.)
Taste, food exposure, and eating behavior. Capaldi ED, et al. **Hosp Community Psychiatry** 1991 Aug;42(8):787–9 (20 ref.)
Factors influencing food choice in humans. **Nutr Rev** 1990 Dec;48(12):442–4 (6 ref.)
A contrarian view of the wisdom of the body as it relates to dietary self-selection. Galef BG Jr. **Psychol Rev** 1991 Apr;98(2):218–23 (55 ref.)

FOOD PRESERVATION

see related
MAILLARD REACTION
Volatiles in packaging materials. Kim-Kang H. **Crit Rev Food Sci Nutr** 1990;29(4):255–71 (157 ref.)
Effect of surfactants and dispersed components on the activity and reactivity of sorbic acid. Wedzicha BL, et al. **Food Addit Contam** 1990 Sep–Oct;7(5):695–709 (21 ref.)
Behavior of Aeromonas species at refrigeration temperatures. Beuchat LR. **Int J Food Microbiol** 1991 Jul;13(3):217–24 (51 ref.)
Public health implication of refrigerated pasteurized ('sous-vide') foods. Mossel DA, et al. **Int J Food Microbiol** 1991 Jul;13(3):187–206 (160 ref.)

METHODS

Modified atmosphere packaging of seafood. Stammen K, et al. **Crit Rev Food Sci Nutr** 1990;29(5):301–31 (147 ref.)

FOOD PRESERVATIVES

see related
ANTIOXIDANTS

ANALYSIS

[Use of gas chromatography for determining benzoic and sorbic acid levels in orange beverage and tomato concentrate] Giryn H, et al. **Rocz Panstw Zakl Hig** 1990; 41(5–6):217–22 (14 ref.) (Eng. Abstr.) **(Pol)**

CHEMISTRY

Antioxidants/antimutagens in food. Namiki M. **Crit Rev Food Sci Nutr** 1990;29(4):273–300 (203 ref.)

FOOD, PRESERVED see **FOOD PRESERVATION**

FOOD PROCESSING see **FOOD HANDLING**

FOOD-PROCESSING INDUSTRY

Health promotion roles of the federal government and food industry in nutrition and blood pressure. Ernst ND. **Hypertension** 1991 Jan;17(1 Suppl):I196–200 (35 ref.)
[Health evaluation of antioxidant exposure in the food industry] Karlowski K, et al. **Rocz Panstw Zakl Hig** 1990; 41(3–4):89–98 (13 ref.) (Eng. Abstr.) **(Pol)**

LEGISLATION & JURISPRUDENCE

The legal implications of dietary fats: risks of cardiovascular disease and the duty of food manufacturers. Black DM, et al. **J Nutr** 1991 Apr;121(4):578–82 (13 ref.)

STANDARDS

Changes in nutritional quality of food in catering. Paulus K. **J Nutr Sci Vitaminol (Tokyo)** 1990;36 Suppl 1:S35–44; discussion S44–5 (11 ref.)
[Pathogenetic aspects of diagnosis and prevention of pathological conditions caused by products of microbiological synthesis (review of the literature)] Shlelkin AG. **Gig Sanit** 1990 Aug;(8):45–8 (55 ref.) **(Rus)**

FOOD SELECTION see **FOOD PREFERENCES**

FOOD SERVICES

Nature, nurture, nutrition: interdisciplinary programs to address the prevention of malnutrition and dehydration. Musson ND, et al. **Dysphagia** 1990;5(2):96–101 (14 ref.)

FOOD, SUPPLEMENTED see **FOOD, FORTIFIED**

FOOD SUPPLY

Food patterns in the British isles. Buss DH. **Ann Nutr Metab** 1991;35 Suppl 1:12–21 (14 ref.)
Food patterns in the Nordic countries. Trygg K. **Ann Nutr Metab** 1991;35 Suppl 1:3–11 (25 ref.)
The impact of agricultural projects on food, nutrition and health. Brun TA, et al. **World Rev Nutr Diet** 1991;65:99–123 (31 ref.)
The nutrition and health impact of cash cropping in west Africa: a historical perspective. Brun TA. **World Rev Nutr Diet** 1991;65:124–62 (39 ref.)
[Food reserves from the sea] Feldheim W. **Bibl Nutr Dieta** 1990;(46):1–9 (12 ref.) **(Ger)**
[The role of fish in nutrition] Rumm-Kreuter D, et al. **Bibl Nutr Dieta** 1990;(46):22–36 (18 ref.) **(Ger)**

ECONOMICS

[Fish and their significance from the international and Swiss viewpoints] Meier W, et al. **Schweiz Arch Tierheilkd** 1991; 133(5):205–13 (37 ref.) (Eng. Abstr.) **(Ger)**

STANDARDS

Pesticide residues in foods imported into the United States. Wessel JR, et al. **Rev Environ Contam Toxicol** 1991; 120:83–104 (28 ref.)

FOOD TECHNOLOGY

Off-flavors in foods. Reineccius G. **Crit Rev Food Sci Nutr** 1991;29(6):381–402 (98 ref.)
Application of immunoassay in the food industry. Samarajeewa U, et al. **Crit Rev Food Sci Nutr** 1991; 29(6):403–34 (377 ref.)

STANDARDS

Integration of hygiene into food technology. Nurmi E, et al. **Bibl Nutr Dieta** 1990;(47):12–8 (11 ref.)

TRENDS

New opportunities in food technology created by biotechnology. Enari TM. **Bibl Nutr Dieta** 1990;(47):6–11 (15 ref.)
[Recent developments in selected areas of food biotechnology] Ruttloff H. **Nahrung** 1990;34(7):629–59 (290 ref.) (Eng. Abstr.) **(Ger)**

FOOT

[Acrodysostosis in a sister and brother born to normal parents] Taillet-Bellemère C, et al. **Ann Pediatr (Paris)** 1991 Jan;38(1):31–6 (29 ref.) (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Magnetic resonance imaging of the foot and ankle. Berquist TH. **Semin Ultrasound CT MR** 1990 Aug;11(4):327–45 (66 ref.)
[Functional anatomy of the foot] Putz R, et al. **Orthopade** 1991 Mar;20(1):2–10 (38 ref.) (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Shoes for children: a review. Staheli LT. **Pediatrics** 1991 Aug;88(2):371–5 (52 ref.)

INJURIES

Painful syndromes of the foot: diagnosis and management. Jones FK, et al. **Clin Plast Surg** 1991 Jul;18(3):639–48 (35 ref.)
Muscle and musculocutaneous flaps of the foot. Saltz R, et al. **Clin Plast Surg** 1991 Jul;18(3):627–38 (69 ref.)
Complications of foot surgery. Nonunions and related disorders. Gudas CJ, et al. **Clin Podiatr Med Surg** 1991 Apr;8(2):321–39 (47 ref.)
Puncture wounds and foreign body reactions. Krych SM, et al. **Clin Podiatr Med Surg** 1990 Oct;7(4):725–31 (19 ref.)
Sports-medicine considerations of lesser metatarsalgia. McNerney JE. **Clin Podiatr Med Surg** 1990 Oct;7(4):645–87 (41 ref.)
Fatigue fractures of the foot. Anderson EG. **Injury** 1990 Sep; 21(5):275–9 (28 ref.)
The foot and footwear. Maier T, et al. **Nurs Clin North Am** 1991 Mar;26(1):223–31 (5 ref.)
Plantar fasciitis in runners. Treatment and prevention. Warren BL. **Sports Med** 1990 Nov;10(5):338–45 (43 ref.)
[Static and dynamic loading measurements of the post-traumatic foot] Mittlmeier T, et al. **Orthopade** 1991 Mar;20(1):22–32 (73 ref.) (Eng. Abstr.) **(Ger)**

INNERVATION

Neurologic involvement of multiple myeloma. Literature review and case report. Sidoti SP, et al. **J Am Podiatr Med Assoc** 1991 Apr;81(4):220–3 (32 ref.)
[Neurogenic deformities of the foot due to congenital malformations of the lumbosacral spine. Their clinical and therapeutic characteristics] De Palma L, et al. **Arch Putti Chir Organi Mov** 1990;38(2):297–310 (18 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

The assessment of dynamic foot-to-ground contact forces and plantar pressure distribution: a review of the evolution of current techniques and clinical applications. Alexander IJ, et al. **Foot Ankle** 1990 Dec;11(3):152–67 (55 ref.)
Tibialis posterior: a review of anatomy and biomechanics in relation to support of the medial longitudinal arch. Kaye RA, et al. **Foot Ankle** 1991 Feb;11(4):244–7 (31 ref.)

SURGERY

Superficial foot and ankle surgery. Greenway HT Jr, et al. **Adv Dermatol** 1991;6:85–110; discussion 111 (8 ref.)
The rheumatoid foot: a sideways look. Anderson EG. **Ann Rheum Dis** 1990 Oct;49 Suppl 2:851–7 (16 ref.)
Resurfacing and sensory recovery of the sole. Rautio J. **Clin Plast Surg** 1991 Jul;18(3):615–26 (122 ref.)
Minimal incision surgical approach to sesamoid pathology. Bartel PF. **Clin Podiatr Med Surg** 1991 Jan;8(1):49–61 (9 ref.)
Surgical approaches of the rearfoot and ankle. Ketterer DJ, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):401–31 (42 ref.)
A sensible approach to early postoperative foot infection in the otherwise healthy patient. Krantz JG. **Clin Podiatr Med Surg** 1991 Apr;8(2):341–57 (55 ref.)
Complications of foot surgery. Bone fixation devices. Considerations and consequences. Lichty TK, et al. **Clin Podiatr Med Surg** 1991 Apr;8(2):309–20 (62 ref.)
Reflex sympathetic dystrophy. Traumatic and postoperative presentation and management in the lower extremity. McNerney JE. **Clin Podiatr Med Surg** 1991 Apr; 8(2):287–307 (18 ref.)
Complications of foot surgery. Laser surgery. Mancuso JE. **Clin Podiatr Med Surg** 1991 Apr;8(2):399–408 (20 ref.)
Complications in minimal incision surgery. Solomon MG. **Clin Podiatr Med Surg** 1991 Jan;8(1):221–42 (55 ref.)
Complications of foot surgery. Complications of anesthesia. Wallace GF. **Clin Podiatr Med Surg** 1991 Apr;8(2):425–33 (23 ref.)
Complications of foot surgery. Wound dehiscence, hypertrophic scars, and keloids. Wilczynski RJ. **Clin Podiatr Med Surg** 1991 Apr;8(2):359–65 (12 ref.)
Surgical correction of severe forefoot deformities in rheumatoid arthritis. Plattner PF. **Curr Opin Rheumatol** 1990 Feb;2(1):188–9 (1 ref.)
Free tissue transfer of digital food pads for reconstruction of the distal limb in the dog. Basher AW, et al. **Microsurgery** 1991;12(2):118–24 (31 ref.)
Nerve damage, surgery and rehabilitation in leprosy. Srinivasan H. **Trop Med Parasitol** 1990 Sep;41(3):347–9 (17 ref.)

FOOT-AND-MOUTH DISEASE VIRUS

IMMUNOLOGY

Developments in foot-and-mouth disease vaccines. Barteling SJ, et al. **Vaccine** 1991 Feb;9(2):75–88 (191 ref.)

FOOT DEFORMITIES

Tarsal coalition: etiology, diagnosis, and treatment. Pachuda NM, et al. **J Foot Surg** 1990 Sep–Oct;29(5):474–88 (70 ref.)

DIAGNOSIS

Lesser metatarsalgia evaluation and treatment. Jimenez AL, et al. **Clin Podiatr Med Surg** 1990 Oct;7(4):597–618 (26 ref.)

ETIOLOGY

Myelomeningocele. Lindseth RE, et al. **Instr Course Lect** 1991;40:271–91 (61 ref.)

SURGERY

Preoperative examination and criteria for office-based

surgery. Dailey JM. **Clin Podiatr Med Surg** 1991 Jan; 8(1):203–19 (24 ref.)
Triple arthrodesis. DiStazio JJ. **Clin Podiatr Med Surg** 1991 Jul;8(3):693–9 (22 ref.)
Surgical correction of severe forefoot deformities in rheumatoid arthritis. Plattner PF. **Curr Opin Rheumatol** 1990 Feb;2(1):188–9 (1 ref.)
Role of epiphysiodesis in the management of deformities of the foot and ankle. Wertheimer SJ. **J Foot Surg** 1990 Sep–Oct;29(5):459–62 (29 ref.)

FOOT DEFORMITIES, ACQUIRED

SURGERY

Dermatofibrosarcoma protuberans of the toe. Kraemer BA, et al. **Ann Plast Surg** 1990 Oct;25(4):295–8 (45 ref.)
Macrodystrophia lipomatosis in the foot. A case report and review of the literature. Greiss ME, et al.
Arch Orthop Trauma Surg 1991;110(4):220–1 (14 ref.)

THERAPY

Sesamoid disorders and treatment. An update. Leventen EO. **Clin Orthop** 1991 Aug;(269):236–40 (11 ref.)

FOOT DEFORMITIES, CONGENITAL

ETIOLOGY

[Neurogenic deformities of the foot due to congenital malformations of the lumbosacral spine. Their clinical and therapeutic characteristics] De Palma L, et al.
Arch Putti Chir Organi Mov 1990;38(2):297–310 (18 ref.) (Eng. Abstr.) **(Ita)**

GENETICS

Coffin–Siris syndrome. Levy P, et al. **J Med Genet** 1991 May; 28(5):338–41 (19 ref.)

PATHOLOGY

Anatomy and management of the leg and foot in Apert syndrome. Grayhack JJ, et al. **Clin Plast Surg** 1991 Apr; 18(2):399–405 (9 ref.)

RADIOGRAPHY

Deletion of 16q with prolonged survival and unusual radiographic manifestations. Casamassima AC, et al.
Am J Med Genet 1990 Dec;37(4):504–9 (18 ref.)

SURGERY

Foot deformities in Apert's syndrome. Review of the literature and case reports. Mason WH, et al.
J Am Podiatr Med Assoc 1990 Oct;80(10):540–4 (12 ref.)
Surgical reconstruction of a congenital foot deformity: hallux varus with brachymetatarsia of the first metatarsal. Glickman SH, et al. **J Foot Surg** 1990 Sep–Oct; 29(5):499–503 (34 ref.)
Enigma of pediatric vertical talus deformity. Marcinko DE, et al. **J Foot Surg** 1990 Sep–Oct;29(5):452–8 (39 ref.)

THERAPY

Biomechanical management of children and adolescents with Down syndrome. Caselli MA, et al.
J Am Podiatr Med Assoc 1991 Mar;81(3):119–27 (34 ref.)

FOOT DERMATOSES

Bazex syndrome (acrokeratosis paraneoplastica). An analytic review. Bolognia JL, et al. **Medicine (Baltimore)** 1991 Jul; 70(4):269–80 (100 ref.)

DRUG THERAPY

[Systemic antimycotics in the therapy of patients with foot mycoses] Rukavishnikova VM, et al.
Vestn Dermatol Venerol 1990;(6):24–8 (50 ref.) **(Rus)**

PATHOLOGY

[Hyperkeratosis lenticularis perstans. A clinical case and review of the literature] Massone L, et al.
G Ital Dermatol Venereol 1990 Jun;125(6):281–4 (21 ref.) (Eng. Abstr.) **(Ita)**
[Dyshidrosiform pemphigoid] Torrelo A, et al.
Med Cutan Ibero Lat Am 1990;18(3):189–90 (7 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Preoperative examination and criteria for office-based surgery. Dailey JM. **Clin Podiatr Med Surg** 1991 Jan; 8(1):203–19 (24 ref.)

FOOT DISEASES

Ulceration and osteomyelitis. Mulder GD, et al.
Clin Podiatr Med Surg 1990 Oct;7(4):733–42 (22 ref.)
Plantar warts. Glover MG. **Foot Ankle** 1990 Dec;11(3):172–8 (63 ref.)
Aneurysmal bone cyst of the cuboid. Kashuk KB, et al.
J Am Podiatr Med Assoc 1990 Nov;80(11):588–94 (30 ref.)
Podopediatrics. Beginning of the natural history of adult foot disorders. Levy LA. **J Am Podiatr Med Assoc** 1991 Mar; 81(3):155–6 (2 ref.)
[Acrometastases. Apropos of 2 cases. Review of the literature] Desmanet E, et al.
Ann Chir Main Memb Super 1991;10(2):154–7 (14 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Soft-tissue causes of metatarsalgia. Albert SF.
Clin Podiatr Med Surg 1990 Oct;7(4):579–95 (29 ref.)

DIAGNOSIS

Painful syndromes of the foot: diagnosis and management. Jones FK, et al. **Clin Plast Surg** 1991 Jul;18(3):639–48 (35 ref.)
Lesser metatarsalgia. Rheumatologic considerations. Higgins KR, et al. **Clin Podiatr Med Surg** 1990 Oct;7(4):751–63 (14 ref.)
The assessment of dynamic foot-to-ground contact forces and plantar pressure distribution: a review of the evolution of current techniques and clinical applications. Alexander IJ, et al. **Foot Ankle** 1990 Dec;11(3):152–67 (55 ref.)
Magnetic resonance imaging of pediatric foot and ankle disorders. Sartoris DJ, et al. **J Foot Surg** 1990 Sep–Oct; 29(5):489–94 (13 ref.)
[Ledderhose's disease. Report of 7 cases] Dartoy C, et al.
J Chir (Paris) 1990 Nov;127(11):533–6 (14 ref.) (Eng. Abstr.) **(Fre)**
[The foot in rheumatoid arthritis] De Palma L, et al.
Arch Putti Chir Organi Mov 1990;38(2):285–95 (24 ref.) (Eng. Abstr.) **(Ita)**
[Osteoid osteoma of the foot] De Palma L, et al.
Arch Putti Chir Organi Mov 1990;38(1):113–22 (29 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Foot ulceration and infections in elderly diabetics. Lipsky BA, et al. **Clin Geriatr Med** 1990 Nov;6(4):747–69 (100 ref.)
Sports-medicine considerations of lesser metatarsalgia. McNerney JE. **Clin Podiatr Med Surg** 1990 Oct;7(4):645–87 (41 ref.)
Lawrence lecture. The diabetic foot: neuropathic in aetiology? Boulton AJ. **Diabetic Med** 1990 Dec;7(10):852–8 (59 ref.)
The diabetic foot 1990. Fernando DJ, et al. **Diabetic Med** 1991 Jan;8(1):82–5 (18 ref.)
New concepts in managing diabetic foot infections. Leichter SB, et al. **Geriatrics** 1991 May;46(5):24–30 (30 ref.)
The diabetic foot. Soft tissue and bone infection. Lipsky BA, et al. **Infect Dis Clin North Am** 1990 Sep;4(3):409–32 (94 ref.)
Adenocarcinoma. Case of metastasis to the foot. Gauntt K, et al. **J Am Podiatr Med Assoc** 1990 Dec;80(12):657–9 (9 ref.)
Neurologic involvement of multiple myeloma. Literature review and case report. Sidoti SP, et al.
J Am Podiatr Med Assoc 1991 Apr;81(4):220–3 (32 ref.)
Septic bursitis of the foot: diagnosis, management and end-result. Lawson KS, et al. **J Foot Surg** 1990 Jul–Aug; 29(4):379–84 (13 ref.)
Diabetic foot infections. Brodsky JW, et al.
Orthop Clin North Am 1991 Jul;22(3):473–89 (29 ref.)
[Course of bone lesions of leprosic feet towards dislocation of the tarsus and metatarsus] Carayon A, et al.
Rev Chir Orthop 1990;76(8):579–82 (11 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Benign fibrous histiocytoma of the foot: a literature review and case report. Goolman HB, et al. **Cutis** 1990 Sep; 46(3):223–6 (22 ref.)
Cutaneous angiosarcoma. A literature review and case report. Wolf K, et al. **J Am Podiatr Med Assoc** 1990 Sep; 80(9):501–4 (10 ref.)

PHYSIOPATHOLOGY

Clinical presentation and management of diabetic neuropathy and foot ulceration. Boulton AJ. **Diabetic Med** 1991;8 Spec No:S52–7 (30 ref.)

RADIOGRAPHY

A systematic approach for radiographically evaluating joint disease in the foot. Christman RA.
J Am Podiatr Med Assoc 1991 Apr;81(4):174–80 (4 ref.)

SURGERY

Dermatofibrosarcoma protuberans of the toe. Kraemer BA, et al. **Ann Plast Surg** 1990 Oct;25(4):295–8 (45 ref.)
The rheumatoid foot: a sideways look. Anderson EG.
Ann Rheum Dis 1990 Oct;49 Suppl 2:851–7 (16 ref.)
Macrodystrophia lipomatosis in the foot. A case report and review of the literature. Greiss ME, et al.
Arch Orthop Trauma Surg 1991;110(4):220–1 (14 ref.)
Muscle and musculocutaneous flaps of the foot. Saltz R, et al. **Clin Plast Surg** 1991 Jul;18(3):627–38 (69 ref.)
Foot reconstruction in diabetes mellitus and peripheral vascular insufficiency. Searles JM Jr, et al.
Clin Plast Surg 1991 Jul;18(3):467–83 (115 ref.)
Complications in minimal incision surgery. Solomon MG.
Clin Podiatr Med Surg 1991 Jan;8(1):221–42 (55 ref.)
Surgical management of foot disorders: bunions and bunionettes. Holmes GB Jr. **Curr Opin Rheumatol** 1991 Feb;3(1):98–101 (14 ref.)

THERAPY

Arthritis of the foot. Freiberg RA, et al. **Bull Rheum Dis** 1991;40(1):1–8 (71 ref.)
Painful syndromes of the foot: diagnosis and management. Jones FK, et al. **Clin Plast Surg** 1991 Jul;18(3):639–48 (35 ref.)
The latest theories and treatment for diabetic foot complications. Joseph R, et al. **Clin Podiatr Med Surg** 1991 Apr;8(2):249–72 (57 ref.)
A sensible approach to early postoperative foot infection in the otherwise healthy patient. Krantz JG.
Clin Podiatr Med Surg 1991 Apr;8(2):341–57 (55 ref.)
Recombinant alpha-interferon and verruca plantaris. A review of the literature. Johnson RE, et al.
J Am Podiatr Med Assoc 1991 May;81(5):253–7 (39 ref.)

FOOT JOINT see **TARSAL JOINT**

FOOT ROT

PREVENTION & CONTROL

Advances in the control of foot rot in sheep. Kimberling CV, et al. **Vet Clin North Am Food Anim Pract** 1990 Nov; 6(3):671–81 (56 ref.)

FOOTBALL

INJURIES

Living with artificial grass: a knowledge update. Part 2: Epidemiology. Skovron ML, et al. **Am J Sports Med** 1990 Sep–Oct;18(5):510–3 (13 ref.)
The axial load teardrop fracture. A biomechanical, clinical and roentgenographic analysis. Torg JS, et al.
Am J Sports Med 1991 Jul–Aug;19(4):355–64 (101 ref.)
Clinical significance and evaluation of prophylactic knee brace studies in football. Requa RK, et al.
Clin Sports Med 1990 Oct;9(4):853–69 (11 ref.)
A review of the use of prophylactic knee braces in football. Requa RK, et al. **Pediatr Clin North Am** 1990 Oct; 37(5):1165–73 (11 ref.)
A retrospective study of spinal cord injuries in Cape Province rugby players, 1963–1989. Incidence, mechanisms and prevention. Kew T, et al. **S Afr Med J** 1991 Aug 3; 80(3):127–33 (48 ref.)

FORAMEN OF MONRO see **CEREBRAL VENTRICLES**

FORAMEN OVALE see **HEART SEPTUM**

FORAMEN OVALE, PATENT see **HEART SEPTAL DEFECTS, ATRIAL**

FORCED EXPIRATORY FLOW RATES

[Standardization of forced spirometry. Analysis of the basal pulmonary function (PEF, FEF2575, FEF50) in a selected group of children] Sanz Ortega J, et al. **An Esp Pediatr** 1990 Jun;32(6):499–506 (34 ref.) (Eng. Abstr.) **(Spa)**

FORCED EXPIRATORY FLOW 0.2–1.2 see **MAXIMAL EXPIRATORY FLOW RATE**

FORCED EXPIRATORY FLOW 200–1200 see **MAXIMAL EXPIRATORY FLOW RATE**

FORCED EXPIRATORY VOLUME

[Standardization of forced spirometry. Analysis of the basal pulmonary function (PEF, FEF2575, FEF50) in a selected group of children] Sanz Ortega J, et al. **An Esp Pediatr** 1990 Jun;32(6):499–506 (34 ref.) (Eng. Abstr.) **(Spa)**

FORCED VITAL CAPACITY, TIMED see **FORCED EXPIRATORY VOLUME**

FOREARM

ABNORMALITIES

[Madelung's disease and lesions of the extensor tendons. A case report] Rondier J, et al. **Rev Chir Orthop** 1990; 76(3):204–8 (10 ref.) (Eng. Abstr.) **(Fre)**

FORECASTING

Hysterosalpingography in the 1990s. Yoder IC, et al.
AJR Am J Roentgenol 1991 Oct;157(4):675–83 (71 ref.)
Evolution and future perspectives for reduced-size hepatic transplantation. Broelsch CE, et al. **Surg Gynecol Obstet** 1990 Oct;171(4):353–60 (77 ref.)

FOREHEAD

SURGERY

Aesthetic surgery of the facial skeleton: the forehead. Ortiz

Monasterio F. **Clin Plast Surg** 1991 Jan;18(1):19–27 (13 ref.)
Forehead reconstruction. Siegle RJ.
J Dermatol Surg Oncol 1991 Feb;17(2):200–4 (6 ref.)

FOREIGN AID see **INTERNATIONAL COOPERATION**

FOREIGN BODIES

Button battery ingestion: a review. Thompson N, et al.
Adverse Drug React Acute Poisoning Rev 1990 Autumn; 9(3):157–80 (88 ref.)
Aspiration and the elderly. Feinberg MJ, et al. **Dysphagia** 1990;5(2):61–71 (75 ref.)
Button batteries: letting the skeleton out of our closet. Rauber A. **Vet Hum Toxicol** 1990 Oct;32(5):460–4 (19 ref.)
[Tracheobronchial foreign bodies in childhood. Study of 133 cases and review of the literature] Sánchez Gómez S, et al. **Acta Otorrinolaringol Esp** 1990 Sep–Oct;41(5):309–16 (36 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

An evaluation of the role of surface hydrophobicity and extracellular slime in the pathogenesis of foreign-body-related infections due to coagulase-negative staphylococci. Fleer A, et al. **J Invest Surg** 1989;2(4):391–6 (10 ref.)
Intravascular missile embolization in childhood: report of a case, literature review, and recommendations for management. Massad M, et al. **J Pediatr Surg** 1990 Dec; 25(12):1292–4 (20 ref.)
Meningioma: the role of a foreign body and irradiation in tumor formation. Saleh J, et al. **Neurosurgery** 1991 Jul; 29(1):113–8; discussion 118–9 (47 ref.)
Industrial nail gun injuries. Schor JS, et al. **South Med J** 1991 Jul;84(7):922–3 (10 ref.)

DIAGNOSIS

Cactus thorn synovitis. Zoltan JD. **Arthroscopy** 1991; 7(2):244–5 (7 ref.)

ETIOLOGY

Indwelling subclavian catheters and a visit with the "pinched-off sign". Lafreniere R. **J Surg Oncol** 1991 Aug; 47(4):261–4 (12 ref.)

RADIOGRAPHY

Radiographic imaging of foreign bodies in the hand. Donaldson JS. **Hand Clin** 1991 Feb;7(1):125–34 (28 ref.)
Peripheral vascular gunshot bullet embolus migration to the cerebral circulation. Report and literature review. Dadsetan MR, et al. **Neuroradiology** 1990;32(6):516–9 (17 ref.)

SURGERY

Intraaortic balloon entrapment—a case report and a review of the literature. Nishizawa J, et al. **Jpn Circ J** 1991 Jun; 55(6):563–6 (9 ref.)

THERAPY

Esophageal foreign bodies. Ratcliff KM.
Am Fam Physician 1991 Sep;44(3):824–31 (24 ref.)
Extraction of implanted transvenous pacing leads: a review of a persistent clinical problem. Myers MR, et al.
Am Heart J 1991 Mar;121(3 (Pt 1)):881–8 (69 ref.)
Management of tracheobronchial foreign bodies in children: an update. Healy GB. **Ann Otol Rhinol Laryngol** 1990 Nov; 99(11):889–91 (2 ref.)
Removal of foreign bodies from the upper gastrointestinal tract of children. Towbin RB. **Curr Opin Radiol** 1990 Dec; 2(6):904–8 (5 ref.)
Body packing—a case report and review of the literature. Stewart A, et al. **Postgrad Med J** 1990 Aug;66(778):659–61 (19 ref.)

FOREIGN-BODY GRANULOMA see **GRANULOMA, FOREIGN-BODY**

FOREIGN-BODY MIGRATION

Intravascular missile embolization in childhood: report of a case, literature review, and recommendations for management. Massad M, et al. **J Pediatr Surg** 1990 Dec; 25(12):1292–4 (20 ref.)

COMPLICATIONS

An unusual esophageal foreign body perforation—a case report and review of the literature. al-Qudah A.
Thorac Cardiovasc Surg 1991 Apr;39(2):102–4 (20 ref.)

RADIOGRAPHY

Peripheral vascular gunshot bullet embolus migration to the cerebral circulation. Report and literature review. Dadsetan MR, et al. **Neuroradiology** 1990;32(6):516–9 (17 ref.)

THERAPY

Extraction of implanted transvenous pacing leads: a review of a persistent clinical problem. Myers MR, et al.
Am Heart J 1991 Mar;121(3 (Pt 1)):881–8 (69 ref.)

FOREIGN-BODY REACTION

Puncture wounds and foreign body reactions. Krych SM, et al. **Clin Podiatr Med Surg** 1990 Oct;7(4):725–31 (19 ref.)

ETIOLOGY

Starch peritonitis. A case report and clinicopathologic review. Klink B, et al. **Am Surg** 1990 Nov;56(11):672–4 (19 ref.)
[Acute and chronic inflammatory reactions following implantation of artificial lenses] Treumer H.
Fortschr Ophthalmol 1990;87 Suppl:S33–40 (34 ref.) (Eng. Abstr.) **(Ger)**

FORELIMB

PHYSIOLOGY

Forelimb movements in the cat; kinetic features and neuronal control. Pettersson LG. **Acta Physiol Scand Suppl** 1990; 594:1–60 (85 ref.)

FORENSIC DENTISTRY

TRENDS

Forensic dentistry—recent development towards an independent discipline in modern dentistry. Syrjänen SM, et al. **Proc Finn Dent Soc** 1990;86(3-4):157–70 (68 ref.)

FORENSIC MEDICINE

The pathology and medicolegal aspects of sexual activity. Eckert WG, et al. **Am J Forensic Med Pathol** 1991 Mar; 12(1):3–15 (30 ref.)
Forensic science. Brettell TA, et al. **Anal Chem** 1991 Jun 15;63(12):148R–164R (691 ref.)
Postmortem forensic toxicology. Levine BS, et al.
Clin Lab Med 1990 Sep;10(3):571–89 (70 ref.)
DNA fingerprinting: its application in forensic case work. Bär W, et al. **Experientia Suppl** 1991;58:349–55 (22 ref.)
Detection of amplified VNTR alleles by direct chemiluminescence: application to the genetic identification of biological samples in forensic cases. Decorte R, et al. **Experientia Suppl** 1991;58:371–90 (63 ref.)
Forensic medicine. Mason JK. **Injury** 1990 Sep;21(5):325–7 (11 ref.)
Interpretation of unusual wounds caused by firearms. Stone IC, et al. **J Forensic Sci** 1991 May;36(3):736–40 (8 ref.)
[Diagnosis and significance of forensic neuropathological findings] Tatsuno Y. **Nippon Hoigaku Zasshi** 1990 Dec; 44(5-6):404–20 (28 ref.) (Eng. Abstr.) **(Jpn)**
[Problems of the medicolegal system for unnatural or unexpected deaths in Japan] Yanagida J.
Nippon Hoigaku Zasshi 1990 Dec;44(5–6):421–8 (14 ref.) (Eng. Abstr.) **(Jpn)**

METHODS

Introduction to the forensic pathology of cocaine. Karch SB.
Am J Forensic Med Pathol 1991 Jun;12(2):126–31 (74 ref.)
Forensic medicine. What the perioperative nurse needs to know. Schramm CA. **AORN J** 1991 Mar;53(3):669–73, 676–83, 686–92 (49 ref.)
A methodology for near-optimal computational superimposition of two-dimensional digital facial photographs and three-dimensional cranial surface meshes. Nickerson BA, et al. **J Forensic Sci** 1991 Mar;36(2):480–500 (39 ref.)
Personal identification of human remains: an overview. Warren CP. **J Forensic Sci** 1978 Apr;23(2):388–95 (44 ref.)
Forensic toxicology and insects: a minireview. Pahwa R. **Vet Hum Toxicol** 1991 Jun;33(3):272–3 (13 ref.)
[DNA analyses in forensic investigations] Lindblom B, et al. **Lakartidningen** 1991 May 29;88(22):2055–9 (14 ref.) (Eng. Abstr.) **(Swe)**

TRENDS

[The current status of and outlook for the development of the forensic medical identification of persons by bones exposed to high-temperature effects] Golubovich LL, et al. **Sud Med Ekspert** 1990 Oct–Dec;33(4):45–7 (64 ref.) **(Rus)**
[The status of and prospects for the development of forensic entomology] Marchenko MI. **Sud Med Ekspert** 1990 Jul–Sep;33(3):39–42 (45 ref.) **(Rus)**

FORENSIC PSYCHIATRY

Morality and pretextuality, psychiatry and law: of "ordinary common sense," heuristic reasoning, and cognitive dissonance. Perlin ML. **Bull Am Acad Psychiatry Law** 1991; 19(2):131–50 (149 ref.)
Psychiatric expert testimony: are the criticisms justified? (Part I). Slovenko R. **Med Law** 1991;10(1):1–29 (94 ref.)

LEGISLATION & JURISPRUDENCE

[Dilemmas of forensic psychiatry in penal law] Rutkowski R. **Psychiatr Pol** 1990 Jan–Feb;24(1):65–72 (35 ref.) **(Pol)**

TRENDS

Who's afraid of forensic psychiatry? Miller RD.
Bull Am Acad Psychiatry Law 1990;18(3):235–47 (72 ref.)

FORESTIER-CERTONCINY SYNDROME see **POLYMYALGIA RHEUMATICA**

FORESTIER DISEASE see **HYPEROSTOSIS, DIFFUSE IDIOPATHIC SKELETAL**

FORM PERCEPTION

Covert face recognition in prosopagnosia: a review. Bruyer R. **Brain Cogn** 1991 Mar;15(2):223–35 (67 ref.)
Differing approaches to two-dimensional shape recognition. Quinlan PT. **Psychol Bull** 1991 Mar;109(2):224–41 (140 ref.)

PHYSIOLOGY

Rate of maturation of the hippocampus and the developmental progression of children's performance on the delayed non-matching to sample and visual paired comparison tasks. Diamond A. **Ann N Y Acad Sci** 1990; 608:394–426; discussion 426–33 (106 ref.)
The paired-comparison paradigm and infant intelligence. Fagan JF 3d. **Ann N Y Acad Sci** 1990;608:337–57; discussion 358–64 (56 ref.)
[Interhemispheric differences in the spatial-frequency description of images and the consequences for visual recognition] Nevskaia AA, et al. **Zh Vyssh Nerv Deiat** 1990 Sep–Oct;40(5):915–24 (22 ref.) (Eng. Abstr.) **(Rus)**

FORMALDEHYDE

ADVERSE EFFECTS

Formaldehyde: an analysis of its respiratory, cutaneous, and immunologic effects. Bardana EJ Jr, et al. **Ann Allergy** 1991 Jun;66(6):441–52 (147 ref.)
Epidemiologic evidence on the relationship between formaldehyde exposure and cancer. Blair A, et al.
Scand J Work Environ Health 1990 Dec;16(6):381–93 (72 ref.)
Common and uncommon reactions to formaldehyde-containing nail hardeners. Norton LA.
Semin Dermatol 1991 Mar;10(1):29–33 (19 ref.)

METABOLISM

Genetics of carbon metabolism in methylotrophic bacteria. Lidstrom ME. **FEMS Microbiol Rev** 1990 Dec;7(3-4):431–6 (29 ref.)

FORMALIN see **FORMALDEHYDE**

FORMALIN TEST see **PAIN MEASUREMENT**

FORMATE DEHYDROGENASES

METABOLISM

Formate dehydrogenase. Ferry JG. **FEMS Microbiol Rev** 1990 Dec;7(3-4):377–82 (50 ref.)

FORMATE HYDROGENLYASES see **FORMATE DEHYDROGENASES**

FORMAZANS

CHEMISTRY

The tetrazolium-formazan system: design and histochemistry. Seidler E. **Prog Histochem Cytochem** 1991;24(1):1–86 (210 ref.)

FORMICOIDEA VENOMS see **ANT VENOMS**

N-FORMIMIDOYLTHIENAMYCIN see **IMIPENEM**

FORMS AND RECORDS CONTROL

see related
MEDICAL RECORDS SYSTEMS, COMPUTERIZED

FORMULARIES

A GP antibiotic formulary. Lightfoot N. **Practitioner** 1990 Dec;234(1497):1060, 1062 (3 ref.)

FORMULARIES, HOSPITAL

Antiulcer therapy: an exercise in formulary management. Foulke GE, et al. **J Clin Gastroenterol** 1990;12 Suppl 2:S64–8 (11 ref.)

N(5)-FORMYLTETRAHYDROFOLATE see **LEUCOVORIN**

FOSFOMYCIN

ADMINISTRATION & DOSAGE

Single dose fosfomycin trometamol versus multiple dose nitrofurantoin in pregnant women with bacteriuria:

preliminary results. Thoumsin H, et al. **Infection** 1990;18 Suppl 2:S94–7 (25 ref.)

PHARMACOLOGY

Plasmid-encoded fosfomycin resistance. Suárez JE, et al. **Antimicrob Agents Chemother** 1991 May;35(5):791–5 (68 ref.)

FOSSILS

Cladistics and the hominid fossil record. Trinkaus E. **Am J Phys Anthropol** 1990 Sep;83(1):1–11 (69 ref.)

Aquatic ape theory and fossil hominids. Verhaegen MJ. **Med Hypotheses** 1991 Jun;35(2):108–14 (90 ref.)

Paleochronobiology circadian rhythms, gauges of adaptive Darwinian evolution; about 7-day (circaseptan) rhythms, gauges of integrative internal evolution. Kaiser H, et al. **Prog Clin Biol Res** 1990;341B:755–62 (22 ref.)

FOSTER HOME CARE

Factors associated with foster care length of stay. Benedict MI, et al. **Child Welfare** 1991 Jan–Feb;70(1):45–58 (25 ref.)

PSYCHOLOGY

Factors affecting the foster care placement decision: an analysis of national survey data. Lindsey D. **Am J Orthopsychiatry** 1991 Apr;61(2):272–81 (32 ref.)

The impact of AIDS on foster care: a family-centered approach to services in the United States. Taylor-Brown S. **Child Welfare** 1991 Mar–Apr;70(2):193–209 (42 ref.)

[Origin of problematic constellations in psychiatric family care. Theoretical considerations and presentation of the course of a discontinued family care episode] Schmidt-Michel PO, et al. **Psychother Psychosom Med Psychol** 1991 Jun;41(6):224–31 (30 ref.) (Eng. Abstr.) **(Ger)**

FOURIER ANALYSIS

Fourier transform Raman spectroscopy of biological materials. Levin IW, et al. **Anal Chem** 1990 Nov 1; 62(21):1101A–1111A (15 ref.)

Introduction to Fourier transform infrared spectroscopy and applications in the pharmaceutical sciences. Markovich RJ, et al. **Pharm Res** 1991 Jun;8(6):663–75 (37 ref.)

FOVEA CENTRALIS

[Juxto-foveolar telangiectasia, and Leber-Coats disease] Zografos L. **Ophtalmologie** 1987 Apr–Jun;1(2):175–85 (52 ref.) **(Fre)**

FOWL PARALYSIS see **MAREK'S DISEASE**

FOWL PARALYSIS VIRUS see **MAREK'S DISEASE VIRUS**

FOWLS, DOMESTIC see **POULTRY**

FOXES

[Behavioral ecology of the transmission of rabies] Artois M, et al. **Ann Rech Vet** 1991;22(2):163–72 (43 ref.) (Eng. Abstr.) **(Fre)**

FOXGLOVE see **DIGITALIS**

FRACTURE FIXATION

see related
EXTERNAL FIXATORS
ORTHOPEDIC FIXATION DEVICES

METHODS

Nonunion of a comminuted intra-articular wrist fracture after external fixation. A case report and review of the literature. Verhaven E, et al. **Arch Orthop Trauma Surg** 1991; 110(2):118–20 (24 ref.)

Basic casting techniques. Parsons TA. **Aust Fam Physician** 1991 Mar;20(3):254–7, 260–7, 270–1 (0 ref.)

AO fixation. Colton CL. **Injury** 1990 Sep;21(5):287–90 (23 ref.)

Absorbable implants for the fixation of fractures. Böstman OM. **J Bone Joint Surg [Am]** 1991 Jan;73(1):148–53 (55 ref.)

The role of transpedicular fixation systems for stabilization of the lumbar spine. Zindrick MR. **Orthop Clin North Am** 1991 Apr;22(2):333–44 (87 ref.)

Management of middle third facial fractures. Duckert LG. **Otolaryngol Clin North Am** 1991 Feb;24(1):103–18 (3 ref.)

Condylar neck fractures of the mandible. Klotch DW, et al. **Otolaryngol Clin North Am** 1991 Feb;24(1):181–94 (25 ref.)

Management of nasal fractures. Renner GJ. **Otolaryngol Clin North Am** 1991 Feb;24(1):195–213 (15 ref.)

New techniques of osteosynthesis of the hand. Principles, clinical applications and biomechanics with special reference to external minifixation. Schuind F, et al. **Reconstr Surg Traumatol** 1990;2i:1–156 (435 ref.)

[Fractures and pseudarthrosis of the clavicle] van der Werken C, et al. **Ned Tijdschr Geneeskd** 1991 May 4;135(18):788–91 (35 ref.) **(Dut)**

[Patellar fractures--an ever present problem in the knee joint pathology] Sciński T. **Wiad Lek** 1990 Sep 1–15; 43(17–18):895–901 (45 ref.) (Eng. Abstr.) **(Pol)**

TRENDS

Changing patterns in the management of fractures in children. Wilkins KE. **Clin Orthop** 1991 Mar;(264):136–55 (86 ref.)

VETERINARY

Principles of bone grafting. Johnson AL. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):90–9 (33 ref.)

Principles of conservative fracture management: splints and casts. Leighton RL. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):39–51 (6 ref.)

Biomechanics of fractures and fracture fixation. Schwarz PD. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):3–15 (31 ref.)

Principles of external skeletal fixation using the Kirschner-Ehmer splint. Toombs JP. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):68–74 (24 ref.)

Complications of external fixation. A problem-oriented approach. Egger EL. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):705–33 (38 ref.)

Biomechanics of fracture fixation failure. Hulse D, et al. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):647–67 (6 ref.)

Fracture complications. An overview. Olmstead ML. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):641–6 (1 ref.)

FRACTURE FIXATION, INTERNAL

see related
INTERNAL FIXATORS

Long-term results of pronation-external rotation ankle fracture-dislocations treated with anatomical open reduction, internal fixation. Stiehl JB, et al. **J Orthop Trauma** 1990;4(3):339–45 (24 ref.)

Biomechanics of spinal fixation and fusion. Nagel DA, et al. **Spine** 1991 Mar;16(3 Suppl):S151–4 (22 ref.)

[Treatment of local infection with taurolin] Burri C. **Aktuel Probl Chir Orthop** 1990;34:78–84 (7 ref.) **(Ger)**

[Quality control in bone infection] Russe OJ. **Aktuel Probl Chir Orthop** 1990;34:150–2 (9 ref.) **(Ger)**

[The radiologic evaluation of osteosyntheses] Müller-Miny H, et al. **Radiologe** 1991 Apr;31(4):179–85 (18 ref.) (Eng. Abstr.) **(Ger)**

[Heterotopic ossifications from the trauma surgery viewpoint] Rieger H, et al. **Unfallchirurg** 1991 Mar; 94(3):144–52 (86 ref.) (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

[Complications of osteosynthesis in the x-ray picture] Rosenthal H, et al. **Radiologe** 1991 Apr;31(4):186–91 (18 ref.) (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Clinical experience with titanium implants, especially with the limited contact dynamic compression plate system. Matter P, et al. **Arch Orthop Trauma Surg** 1990;109(6):311–3 (5 ref.)

Fixation devices in rearfoot surgery. Corey SV, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):433–47 (21 ref.)

Compression plate osteosynthesis for the treatment of mandibular fractures. Waldrep DJ, et al. **J S C Med Assoc** 1990 Sep;86(9):497–500 (10 ref.)

[Stability in post-traumatic osteitis] Burri C. **Aktuel Probl Chir Orthop** 1990;34:44–54 (30 ref.) **(Ger)**

["Biological osteosynthesis"] Claudi BF, et al. **Chirurg** 1991 May;62(5):367–77 (24 ref.) **(Ger)**

METHODS

Techniques of bone fixation in replantation surgery. Brown ML, et al. **Microsurgery** 1990;11(3):255–60 (14 ref.)

Timing of fracture fixation: a review. Hardin GT. **Orthop Rev** 1990 Oct;19(10):861–7 (35 ref.)

Displaced fractures of the head and neck of the radius in children: open reduction and temporary transarticular internal fixation. Rodriguez Merchan EC. **Orthopedics** 1991 Jun;14(6):697–700 (16 ref.)

[Stability in post-traumatic osteitis] Burri C. **Aktuel Probl Chir Orthop** 1990;34:44–54 (30 ref.) **(Ger)**

[Bone transplantation in post-traumatic osteitis] Burri C. **Aktuel Probl Chir Orthop** 1990;34:107–26 (42 ref.) **(Ger)**

[Incidence of infection, causes and prevention of osteitis in trauma surgery] Haas N, et al. **Aktuel Probl Chir Orthop** 1990;34:8–26 (19 ref.) **(Ger)**

[Antibiotic therapy--what is certain?] Hansis M. **Aktuel Probl Chir Orthop** 1990;34:28–31 (15 ref.) **(Ger)**

[Therapy of acute osteitis] Neugebauer R. **Aktuel Probl Chir Orthop** 1990;34:39–43 (9 ref.) **(Ger)**

[Irrigation drainage in local treatment of infection of bones and joints] Wörsdörfer O, et al. **Aktuel Probl Chir Orthop** 1990;34:55–64 (30 ref.) **(Ger)**

[Spongiosa-plasty and transport corticotomy--an alternative or supplementary procedure?] Brutscher R, et al. **Chirurg** 1991 May;62(5):388–93 (15 ref.) **(Ger)**

[Primary soft tissue treatment and soft tissue reconstruction] Knopp W, et al. **Chirurg** 1991 May;62(5):378–87 (17 ref.) **(Ger)**

[Therapeutic strategies in fractures with soft tissue damage] Muhr G. **Chirurg** 1991 May;62(5):361–6 (12 ref.) **(Ger)**

[Ventral direct screw fixation in dens fractures] Aebi M, et al. **Orthopade** 1991 Apr;20(2):147–53 (33 ref.) (Eng. Abstr.) **(Ger)**

[Ventral approaches to the upper cervical spine] Crockard HA. **Orthopade** 1991 Apr;20(2):140–6 (25 ref.) (Eng. Abstr.) **(Ger)**

[Studies on the stability of pertrochanteric fractures following the application of various osteosynthesis techniques with special reference to torsional forces at the proximal femur] Savvidis E, et al. **Z Orthop** 1990 Nov–Dec;128(6):661–7 (47 ref.) (Eng. Abstr.) **(Ger)**

[Role of the fibula in distal tibial fracture] Heim U. **Z Unfallchir Versicherungsmed** 1990;83(4):187–95 (16 ref.) (Eng. Abstr.) **(Ger)**

[Treatment of Monteggia fracture in children] Vinz H, et al. **Zentralbl Chir** 1991;116(3):143–50 (8 ref.) (Eng. Abstr.) **(Ger)**

FRACTURE FIXATION, INTRAMEDULLARY

see related
INTERNAL FIXATORS

INSTRUMENTATION

Developments in locked femoral nailing. Frederick D, et al. **Orthopedics** 1990 Oct;13(10):1141–5 (15 ref.)

["Biological osteosynthesis"] Claudi BF, et al. **Chirurg** 1991 May;62(5):367–77 (24 ref.) **(Ger)**

[A return to callus healing using dynamic osteosynthesis procedures. Principles, indications, complications, x-ray diagnosis of interlocking nailing and dynamic monofixators in comparison with conventional bone plates] Brug E, et al. **Radiologe** 1991 Apr;31(4):165–71 (16 ref.) (Eng. Abstr.) **(Ger)**

VETERINARY

Principles of intramedullary pin and wire fixation. Howard PE. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):52–67 (26 ref.)

Complications associated with the use of Steinmann intramedullary pins and cerclage wires for fixation of long-bone fractures. Schrader SC. **Vet Clin North Am Small Anim Pract** 1991 Jul; 21(4):687–703 (14 ref.)

FRACTURES

see related
CALLUS

Sport-related fractures and dislocations in the hand. Hankin FM, et al. **Hand Clin** 1990 Aug;6(3):429–53 (82 ref.)

Fractures and ligamentous injuries of the wrist. Koman LA, et al. **Hand Clin** 1990 Aug;6(3):477–91 (46 ref.)

Fractures of the calcaneal apophysis. Walling AK, et al. **J Orthop Trauma** 1990;4(3):349–55 (12 ref.)

Isolated hyoid bone fracture: a case report and review of the literature. Szeremeta W, et al. **J Trauma** 1991 Feb; 31(2):268–71 (14 ref.)

[A return to callus healing using dynamic osteosynthesis procedures. Principles, indications, complications, x-ray diagnosis of interlocking nailing and dynamic monofixators in comparison with conventional bone plates] Brug E, et al. **Radiologe** 1991 Apr;31(4):165–71 (16 ref.) (Eng. Abstr.) **(Ger)**

CLASSIFICATION

Fracture of the pelvis: current concepts of classification. Young JW, et al. **AJR Am J Roentgenol** 1990 Dec; 155(6):1169–75 (53 ref.)

COMPLICATIONS

Diagnosis and management of vascular injuries associated with skeletal trauma. Damron T, et al. **Orthop Rev** 1990 Dec;19(12):1063–70 (42 ref.)

DIAGNOSIS

Musculoskeletal trauma: management and complications. Harris JH Jr. **Curr Opin Radiol** 1990 Oct;2(5):669–77 (22 ref.)

[Fractures of the sacrum, a diagnosis not to be unknown. 9 cases and review of the literature] Weber M, et al. **Rev Rhum Mal Osteoartic** 1991 Apr;58(4):295–9 (21 ref.) **(Fre)**

[The radiologic evaluation of osteosyntheses] Müller-Miny H, et al. **Radiologe** 1991 Apr;31(4):179–85 (18 ref.) (Eng. Abstr.) **(Ger)**

[Injuries of the pelvis and retroperitoneal organs] Wilker DK, et al. **Urologe [A]** 1991 May;30(3):183–8 (12 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

More people are fracturing more bones more often. **Nutr Rev** 1991 Jan;49(1):24–5 (8 ref.)

ETIOLOGY

Calcium intake in the osteoporotic fracture context: introduction. Heaney RP. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):242S–244S (12 ref.)

Clinical use of bone densitometry. Johnston CC Jr, et al. **N Engl J Med** 1991 Apr 18;324(16):1105–9 (46 ref.)

NURSING

Pelvic fracture patient care. Reflections on the past, implications for the future. Dunwoody CJ. **Nurs Clin North Am** 1991 Mar;26(1):65–72 (20 ref.)

PHYSIOPATHOLOGY

Remodeling of the skeletally immature distal radius. Perona PG, et al. **J Orthop Trauma** 1990;4(3):356–61 (28 ref.)

[The biology of bones and of bone fracture healing] Pennig D. **Unfallchirurg** 1990 Nov;93(11):488–91 (29 ref.) (Eng. Abstr.) **(Ger)**

[Effect of brain injury on the rate of wound healing in bone fractures] Słowiński K, et al. **Wiad Lek** 1990 Nov 1–15; 43(21–22):1059–62 (16 ref.) (Eng. Abstr.) **(Pol)**

[The neuroendocrine and neurotrophic changes in combined brain concussion and locomotor trauma (a review of the literature)] Kalishchuk TN, et al. **Vrach Delo** 1990 Jul; (7):62–7 (54 ref.) **(Rus)**

PREVENTION & CONTROL

Fluorides and osteoporosis. Kleerekoper M, et al. **Annu Rev Nutr** 1991;11:309–24 (94 ref.)

Fracture prediction models for osteoporosis prevention. Ross PD, et al. **Bone** 1990;11(5):327–31 (33 ref.)

[Measurement of bone density and evaluation of risk of fracture] Pouillès JM, et al. **Rev Rhum Mal Osteoartic** 1990 Dec;57(12):889–94 (20 ref.) **(Fre)**

RADIOGRAPHY

ABC of major trauma. Radiological assessment—II. Lewars MD, et al. **BMJ** 1990 Oct 13;301(6756):861–4 (0 ref.)

Radiographic and orthopedic evaluation of wrist trauma. FitzRandolph RL, et al. **Curr Probl Diagn Radiol** 1991 Jan–Feb;20(1):1–42 (127 ref.)

Injuries to the talus–neck fractures and osteochondral lesions (osteochondritis dissecans). Dickson KF, et al. **J Foot Surg** 1991 May–Jun;30(3):310–8 (28 ref.)

Articular fractures of the hand. Part I: Guidelines for assessment. Wolfe SW, et al. **Orthop Rev** 1991 Jan; 20(1):27–32 (17 ref.)

Intraarticular fractures of the calcaneus: diagnosis and surgical management. Johnson EE. **Orthopedics** 1990 Oct; 13(10):1091–100 (26 ref.)

[Computed tomography of the skeletal system] Maas R, et al. **Rontgenpraxis** 1990 Aug;43(8):293–300 (8 ref.) **(Ger)**

RADIOTHERAPY

Effects of low-energy electromagnetic fields (pulsed and DC) on membrane signal transduction processes in biological systems. Luben RA. **Health Phys** 1991 Jul; 61(1):15–28 (88 ref.)

REHABILITATION

[Functional therapy in treatment of fractures and joint injuries] Tscherne H, et al. **Zentralbl Chir** 1990; 115(16):997–1005 (11 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Update on trauma care in Canada. 3. Pelvic ring fractures [see comments] O'Brien PJ. **Can J Surg** 1990 Dec; 33(6):447–50 (16 ref.) Comment in: Can J Surg 1990 Dec;33(6):431–2.

Scapular fractures. Analysis of 113 cases. Ada JR, et al. **Clin Orthop** 1991 Aug;(269):174–80 (33 ref.)

Fixation devices in rearfoot surgery. Corey SV, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):433–47 (21 ref.)

Arthroscopic management of transchondral talar-dome fractures (osteochondritis dissecans) and anterior impingement lesions of the ankle joint. Ewing JW. **Clin Sports Med** 1991 Jul;10(3):677–87 (15 ref.)

Traumatic rupture of the corpus cavernosum. Kuyumcuoglu U, et al. **Int Urol Nephrol** 1990;22(4):363–6 (20 ref.)

Long-term results of pronation–external rotation ankle fracture–dislocations treated with anatomical open reduction, internal fixation. Stiehl JB, et al. **J Orthop Trauma** 1990;4(3):339–45 (24 ref.)

New techniques of osteosynthesis of the hand. Principles, clinical applications and biomechanics with special reference to external minifixation. Schuind F, et al. **Reconstr Surg Traumatol** 1990;21:1–156 (435 ref.)

[Reconstructive surgery of malunited joint fractures of the hand] Wilhelm K, et al. **Orthopade** 1990 Nov;19(6):350–9 (21 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Changing patterns in the management of fractures in children. Wilkins KE. **Clin Orthop** 1991 Mar;(264):136–55 (86 ref.)

Electrostimulation and bone fracture healing. Behari J. **Crit Rev Biomed Eng** 1991;18(4):235–54 (202 ref.)

The elbow. Wilkins KE, et al. **Instr Course Lect** 1991;40:1–87 (348 ref.)

Fractures of the coracoid process: presentation of seven cases and review of the literature. Martín-Herrero T, et al. **J Trauma** 1990 Dec;30(12):1597–9 (19 ref.)

Common ankle injuries in the athlete. Ruda SC. **Nurs Clin North Am** 1991 Mar;26(1):167–80 (12 ref.)

Articular fractures of the hand. Part II: Guidelines for management. Wolfe SW, et al. **Orthop Rev** 1991 Feb; 20(2):123–8 (12 ref.)

Pediatric spinal trauma: vertebral column and spinal cord injuries in children. Dickman CA, et al. **Pediatr Neurosci** 1989;15(5):237–55; discussion 56 (137 ref.)

[Fractures and pseudarthrosis of the clavicle] van der Werken C, et al. **Ned Tijdschr Geneeskd** 1991 May 4;135(18):788–91 (35 ref.) **(Dut)**

VETERINARY

Principles of screw and plate fixation. Boudrieau RJ. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):75–89 (43 ref.)

Principles of bone grafting. Johnson AL. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):90–9 (33 ref.)

Primary bone healing. Kaderly RE. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):21–5 (16 ref.)

Secondary (classical) bone healing. Schelling SH. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):16–20 (15 ref.)

Biomechanics of fractures and fracture fixation. Schwarz PD. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):3–15 (31 ref.)

Vascular supply to normal bone and healing fractures. Wilson JW. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):26–38 (46 ref.)

Fracture disease and related contractures. Anderson GI. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):845–58 (65 ref.)

Malunions. Anson LW. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):761–80 (19 ref.)

Posttraumatic osteomyelitis. Braden TD. **Vet Clin North Am Small Anim Pract** 1991 Jul; 21(4):781–811 (18 ref.)

Complications of external fixation. A problem-oriented approach. Egger EL. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):705–33 (38 ref.)

Biomechanics of fracture fixation failure. Hulse D, et al. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):647–67 (6 ref.)

Fracture complications. An overview. Olmstead ML. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):641–6 (1 ref.)

Complications of fractures repaired with plates and screws. Olmstead ML. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):669–86 (4 ref.)

Complications associated with the use of Steinmann intramedullary pins and cerclage wires for fixation of long-bone fractures. Schrader SC. **Vet Clin North Am Small Anim Pract** 1991 Jul; 21(4):687–703 (14 ref.)

Fracture-associated sarcomas. Stevenson S. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):859–72 (52 ref.)

Delayed unions and nonunions. Diagnosis, pathophysiology, and treatment. Sumner-Smith G. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):745–60 (11 ref.)

Complications of fractures repaired with casts and splints. Tomlinson J. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):735–44 (1 ref.)

Morphology of fracture nonunion and osteomyelitis. Woodard JC, et al. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):813–44 (26 ref.)

FRACTURES, CLOSED

CLASSIFICATION

Triplane fracture of the distal tibia: unusual case presentation and literature review. Kornblatt N, et al. **J Foot Surg** 1990 Sep–Oct;29(5):421–8 (15 ref.)

COMPLICATIONS

[Infection by the hematogenic route of closed vertebral fracture: apropos of a case and review of the literature] Rombouts-Godin V, et al. **Rev Chir Orthop** 1990; 76(8):591–7 (33 ref.) (Eng. Abstr.) **(Fre)**

FRACTURES, COMPOUND see **FRACTURES, OPEN**

FRACTURES, FATIGUE see **FRACTURES, STRESS**

FRACTURES, MARCH see **FRACTURES, STRESS**

FRACTURES, OPEN

COMPLICATIONS

Management of soft tissue wounds associated with type III open fractures. Esterhai JL Jr, et al. **Orthop Clin North Am** 1991 Jul;22(3):427–32 (33 ref.)

Choice and duration of antibiotics in open fractures. Wilkins J, et al. **Orthop Clin North Am** 1991 Jul;22(3):433–7 (21 ref.)

PHYSIOPATHOLOGY

[The biomechanics of osteosynthesis] Claes L. **Aktuel Probl Chir Orthop** 1990;34:32–8 (12 ref.) **(Ger)**

SURGERY

[Pathophysiology of open fractures and principles of their treatment. Review] Tscherne H, et al. **Acta Chir Orthop Traumatol Cech** 1990 Jun;57(3):193–212 (9 ref.) (Eng. Abstr.) **(Cze)**

[Stability in post-traumatic osteitis] Burri C. **Aktuel Probl Chir Orthop** 1990;34:44–54 (30 ref.) **(Ger)**

[Bone transplantation in post-traumatic osteitis] Burri C. **Aktuel Probl Chir Orthop** 1990;34:107–26 (42 ref.) **(Ger)**

[Incidence of infection, causes and prevention of osteitis in trauma surgery] Haas N, et al. **Aktuel Probl Chir Orthop** 1990;34:8–26 (19 ref.) **(Ger)**

[Antibiotic therapy—what is certain?] Hansis M. **Aktuel Probl Chir Orthop** 1990;34:28–31 (15 ref.) **(Ger)**

[Therapy of acute osteitis] Neugebauer R. **Aktuel Probl Chir Orthop** 1990;34:39–43 (9 ref.) **(Ger)**

[Quality control in bone infection] Russe OJ. **Aktuel Probl Chir Orthop** 1990;34:150–2 (9 ref.) **(Ger)**

[Spongiosa-plasty and transport corticotomy—an alternative or supplementary procedure?] Brutscher R, et al. **Chirurg** 1991 May;62(5):388–93 (15 ref.) **(Ger)**

["Biological osteosynthesis"] Claudi BF, et al. **Chirurg** 1991 May;62(5):367–77 (24 ref.) **(Ger)**

[Primary soft tissue treatment and soft tissue reconstruction] Knopp W, et al. **Chirurg** 1991 May;62(5):378–87 (17 ref.) **(Ger)**

[Therapeutic strategies in fractures with soft tissue damage] Muhr G. **Chirurg** 1991 May;62(5):361–6 (12 ref.) **(Ger)**

[Role of the fibula in distal tibial fracture] Heim U. **Z Unfallchir Versicherungsmed** 1990;83(4):187–95 (16 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Treatment of compound fractures. Seligson D, et al. **Am J Surg** 1991 Jun;161(6):693–701 (111 ref.)

FRACTURES, SPONTANEOUS

ETIOLOGY

Insufficiency fracture of the sacrum with displacement and neurologic damage: a case report and review of the literature. Jones JW. **J Am Geriatr Soc** 1991 Mar; 39(3):280–3 (16 ref.)

PATHOLOGY

Pathological fractures and lytic bone lesion of the femoral neck associated with beta 2-microglobulin amyloid deposition in long-term dialysis patients. Scheumann GF, et al. **Arch Orthop Trauma Surg** 1991;110(2):93–7 (24 ref.)

PREVENTION & CONTROL

The use of bone mass screening to prevent fractures. Flicker L. **Med J Aust** 1991 Jan 21;154(2):135–40 (57 ref.)

FRACTURES, STRESS

Stress fractures in athletes. Smrcina CM. **Nurs Clin North Am** 1991 Mar;26(1):159–66 (30 ref.)

COMPLICATIONS

Stress fracture of the lumbar pedicle. Case reports of "pediculolysis" and review of the literature. Gunzburg R, et al. **Spine** 1991 Feb;16(2):185–9 (40 ref.)

DIAGNOSIS

[Stress fractures] Puorger G. **Schweiz Rundsch Med Prax** 1991 Aug 2;80(31–32):796–800 (19 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

Lesser metatarsal stress fractures: a study of 37 cases. Childers RL Jr, et al. **Clin Podiatr Med Surg** 1990 Oct;7(4):633–44 (21 ref.)

ETIOLOGY

[Stress fractures of the tibia: uncommon mechanical complication of osteoarthritis of the knee. Report of 3 cases] Gacon G, et al. **Rev Chir Orthop** 1990;76(3):209–14 (16 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Fatigue fractures of the foot. Anderson EG. **Injury** 1990 Sep;

21(5):275–9 (28 ref.)

SURGERY

[Patellar fractures—an ever present problem in the knee joint pathology] Ściński T. **Wiad Lek** 1990 Sep 1–15; 43(17–18):895–901 (45 ref.) (Eng. Abstr.) **(Pol)**

FRACTURES, UNUNITED

SURGERY

Nonunion of a comminuted intra-articular wrist fracture after external fixation. A case report and review of the literature. Verhaven E, et al. **Arch Orthop Trauma Surg** 1991; 110(2):118–20 (24 ref.)

Complications of foot surgery. Nonunions and related disorders. Gudas CJ, et al. **Clin Podiatr Med Surg** 1991 Apr;8(2):321–39 (47 ref.)

The treatment of nonunions and pseudarthroses of the humeral shaft. Rosen H. **Orthop Clin North Am** 1990 Oct; 21(4):725–42 (44 ref.)

[Corrective osteotomy of malunited distal radius fractures] Oestern HJ, et al. **Orthopade** 1990 Nov;19(6):343–9 (52 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Bone stimulators for fusions and fractures. Barden RM, et al. **Nurs Clin North Am** 1991 Mar;26(1):89–103 (34 ref.)

FRAGILE SITES, CHROMOSOME see **CHROMOSOME FRAGILE SITES**

FRAGILE X SYNDROME

GENETICS

Possible erasure of the imprint on a fragile X chromosome when transmitted by a male. Laird CD. **Am J Med Genet** 1991 Feb–Mar;38(2–3):391–5 (25 ref.)

Fragile X-linked mental retardation and the difficulties of reverse genetics. Jordan BR. **Bioessays** 1991 May; 13(5):243–51 (38 ref.)

Sex chromosomal and autosomal aneuploidy in the fragile X syndrome. Chudley AE. **Birth Defects** 1990;26(4):257–65 (44 ref.)

Fragile-X syndrome. Berney T. **Practitioner** 1990 Nov; 234(1496):946, 949–50 (0 ref.)

[X-linked mental retardation without fragile X chromosome (editorial)] Piussan C. **Arch Fr Pediatr** 1990 Dec; 47(10):701–3 (39 ref.) **(Fre)**

FRAGILITAS OSSIUM see **OSTEOGENESIS IMPERFECTA**

FRAIL ELDERLY

see related
HEALTH SERVICES FOR THE AGED

Multidimensional assessment of elderly patients. Rubenstein LZ, et al. **Adv Intern Med** 1991;36:81–108 (83 ref.)

Exercise, functional decline and frailty [editorial] Larson EB. **J Am Geriatr Soc** 1991 Jun;39(6):635–6 (12 ref.)

PSYCHOLOGY

Current research issues in caregiving to the elderly. Malonebeach EE, et al. **Int J Aging Hum Dev** 1991; 32(2):103–14 (32 ref.)

FRAIL OLDER ADULTS see **FRAIL ELDERLY**

FRAMBESIA see **YAWS**

FRAMESHIFT MUTATION

Frameshift mutation: determinants of specificity. Ripley LS. **Annu Rev Genet** 1990;24:189–213 (119 ref.)

Misalignment-mediated DNA synthesis errors. Kunkel TA. **Biochemistry** 1990 Sep 4;29(35):8003–11 (66 ref.)

Frameshift mutagenesis by acridines and other reversibly-binding DNA ligands. Ferguson LR, et al. **Mutagenesis** 1990 Nov;5(6):529–40 (94 ref.)

Ribosomal frameshifting from -2 to +50 nucleotides. Weiss RB, et al. **Prog Nucleic Acid Res Mol Biol** 1990;39:159–83 (66 ref.)

Frameshift control of IS1 transposition. Plasterk RH. **Trends Genet** 1991 Jul;7(7):203–4 (13 ref.)

FRECKLES see **MELANOSIS**

FREE ASSOCIATION

Free association and changing models of mind. Aron L. **J Am Acad Psychoanal** 1990 Fall;18(3):439–59 (36 ref.)

The analyst's stance and the method of free association. Kris AO. **Psychoanal Study Child** 1990;45:25–41 (51 ref.)

FREE FATTY ACIDS see **FATTY ACIDS, NONESTERIFIED**

FREE RADICAL SCAVENGERS

Superoxide scavengers and SOD or SOD mimics. Czapski G, et al. **Adv Exp Med Biol** 1990;264:45–50 (14 ref.)

Peroxidase induced metabolism and lipid peroxide scavenging by antitumor agents Kolodziejczyk P, et al. **Adv Exp Med Biol** 1990;264:323–38 (14 ref.)

Biochemical aspects of cellular oxidative stress. Videla LA, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):85–92 (34 ref.)

Influence of ACE inhibitors on free radicals and reperfusion injury: pharmacological curiosity or therapeutic hope? McMurray J, et al. **Br J Clin Pharmacol** 1991 Apr; 31(4):373–9 (40 ref.)

Current research views on myocardial reperfusion and reperfusion injury. Yellon DM, et al. **Cardioscience** 1990 Jun;1(2):89–98 (88 ref.)

Oxygen radicals in intestinal ischemia and reperfusion. Schoenberg MH, et al. **Chem Biol Interact** 1990; 76(2):141–61 (102 ref.)

Role of uric acid as an endogenous radical scavenger and antioxidant. Becker BF, et al. **Chest** 1991 Sep;100(3 Suppl):176S–181S (28 ref.)

Therapeutic application of oxygen radical scavengers. Zimmerman JJ. **Chest** 1991 Sep;100(3 Suppl):189S–192S (49 ref.)

Therapeutic usages of oxygen radical scavengers in human diseases: myths and realities. Greenwald RA. **Free Radic Res Commun** 1991;12–13 Pt 2:531–8 (42 ref.)

Radioprotective effect of free radical scavenging enzymes. Jones JB, et al. **J Otolaryngol** 1990 Oct;19(5):299–306 (24 ref.)

Role of tocopherols in the protection of biological systems against oxidative damage. Sies H, et al. **J Photochem Photobiol B** 1991 Jan;8(2):211–8 (42 ref.)

[Studies on the activation of molecular oxygen and the biological defence mechanism against active oxygen species] Ozawa T. **Yakugaku Zasshi** 1990 Sep;110(9):617–38 (80 ref.) (Eng. Abstr.) **(Jpn)**

FREE RADICALS

Free radicals and trials of antioxidant therapy in muscle diseases. Jackson MJ, et al. **Adv Exp Med Biol** 1990; 264:485–91 (35 ref.)

Free radicals and antioxidants in the pathogenesis of eye diseases. Marak GE, et al. **Adv Exp Med Biol** 1990; 264:513–27 (148 ref.)

The role of free radicals in the progression of renal disease. Stratta P, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):33–7 (30 ref.)

Role of free radicals in senescence. Allen RG. **Annu Rev Gerontol Geriatr** 1990;10:198–213 (66 ref.)

Biochemical aspects of free radicals. Basaga HS. **Biochem Cell Biol** 1990 Jul–Aug;68(7–8):989–98 (99 ref.)

The role of free radicals in ischaemic myocardium. Ferrari R. **Br J Clin Pract** 1990 Aug;44(8):301–5 (59 ref.)

Tissue injury by free radicals and other toxic oxygen metabolites. Reilly PM, et al. **Br J Surg** 1990 Dec; 77(12):1323–4 (8 ref.)

Can free radicals explain reperfusion damage? [editorial] Ambrosio G, et al. **Cardiovasc Drugs Ther** 1988 Dec; 2(5):609–14 (32 ref.)

Effects of free radicals on the electrophysiological function of cardiac membranes. Barrington PL. **Free Radic Biol Med** 1990;9(4):355–65 (54 ref.)

Chemical determination of free radical-induced damage to DNA. Dizdaroglu M. **Free Radic Biol Med** 1991; 10(3–4):225–42 (79 ref.)

"Radiation chemistry" literature compilations: their wider value in free radical research. Wardman P, et al. **Free Radic Biol Med** 1991;10(3–4):243–7 (41 ref.)

Free-radical processes in multistage carcinogenesis. Borek C. **Free Radic Res Commun** 1991;12–13 Pt 2:745–50 (12 ref.)

Air pollution: involvement of oxygen radicals (a mini review). Elstner EF, et al. **Free Radic Res Commun** 1991; 12–13 Pt 2:795–807 (41 ref.)

Free radicals and carcinogenesis. Goldstein BD, et al. **Free Radic Res Commun** 1990;11(1–3):3–10 (63 ref.)

Targeting SOD by gene and protein engineering and inhibition of free radical injury. Inoue M, et al. **Free Radic Res Commun** 1991;12–13 Pt 1:391–9 (25 ref.)

Prevention of cancer by agents that suppress oxygen radical formation. Troll W. **Free Radic Res Commun** 1991;12–13 Pt 2:751–7 (45 ref.)

Protein, lipid and DNA repair systems in oxidative stress: the free-radical theory of aging revisited. Pacifici RE, et al. **Gerontology** 1991;37(1–3):166–80 (84 ref.)

The role of reactive oxygen metabolites in the pathogenesis of ulcerative colitis: a speculative synthesis. Rózga J. **Mater Med Pol** 1989 Oct–Dec;21(4):263–8 (96 ref.)

Role of free radicals and catalytic metal ions in human disease: an overview. Halliwell B, et al. **Methods Enzymol** 1990;186:1–85 (595 ref.)

Free radical modification of prosthetic heme groups. Ortiz de Montellano PR. **Pharmacol Ther** 1990;48(1):95–120 (2024 ref.)

The involvement of free radicals in the mechanisms of monooxygenases. White RE. **Pharmacol Ther** 1991; 49(1–2):21–42 (121 ref.)

Radical reactions in vivo—an overview. Saran M, et al. **Radiat Environ Biophys** 1990;29(4):249–62 (66 ref.)

Evaluation of free radical injury in myocardium. Reimer KA, et al. **Toxicol Pathol** 1990;18(4 Pt 1):470–80 (89 ref.)

[Reperfusion injury in the myocardium—significance of the oxygen-derived free radicals] Svendsen JH, et al. **Ugeskr Laeger** 1991 Jun 10;153(24):1717–20 (30 ref.) (Eng. Abstr.) **(Dan)**

[Role of free radicals in aging and anti-oxygen treatment] Deby C, et al. **Ann Cardiol Angeiol (Paris)** 1991 Jun; 40(6):341–8 (44 ref.) **(Fre)**

[Free radicals and lipid peroxidation in cell biology: physiopathologic prospects] Emerit J, et al. **Pathol Biol (Paris)** 1991 Apr;39(4):316–27 (134 ref.) (Eng. Abstr.) **(Fre)**

[Free radical system and activation of allergy target cells] Gushchin IS, et al. **Patol Fiziol Eksp Ter** 1990 Nov–Dec; (6):3–10 (36 ref.) **(Rus)**

[Free radicals, lipid peroxides and the nervous system] Jovičić A. **Vojnosanit Pregl** 1991 Jan–Feb;48(1):61–7 (56 ref.) **(Scr)**

FREEDOM

[Guilt and freedom—psychiatric-psychotherapeutic and anthropologic aspects] Bron B. **Psychother Psychosom Med Psychol** 1990 Dec;40(12):480–7 (61 ref.) (Eng. Abstr.) **(Ger)**

FREEMARTINISM

GENETICS

[Intersexuality in domestic mammals] Cribiu EP, et al. **Reprod Nutr Dev** 1990;Suppl 1:51s–61s (53 ref.) (Eng. Abstr.) **(Fre)**

FREEZE ETCHING

Immunogold labelling in combination with cryoultramicrotomy, freeze-etching, and label-fracture. Boonstra J, et al. **J Microsc** 1991 Jan;161 (Pt 1):135–47 (44 ref.)

FREEZE FRACTURING

Freeze fracture studies of membrane lipids. Hui SW. **Electron Microsc Rev** 1988;1(2):351–70 (38 ref.)

Immunogold labelling in combination with cryoultramicrotomy, freeze-etching, and label-fracture. Boonstra J, et al. **J Microsc** 1991 Jan;161 (Pt 1):135–47 (44 ref.)

Freeze-fracture cytochemistry: a simplified guide and update on developments. Severs NJ. **J Microsc** 1991 Jan;161 (Pt 1):109–34 (104 ref.)

FREEZING

see related
CRYOPRESERVATION
CRYOSURGERY
ICE
REFRIGERATION

Biochemistry of natural freeze tolerance in animals: molecular adaptations and applications to cryopreservation. Storey KB. **Biochem Cell Biol** 1990 Apr;68(4):687–98 (50 ref.)

FRENUM, LINGUAL see **LINGUAL FRENUM**

FREONS

Inhaled respiratory medications and the use of chlorofluorocarbons (CFCs). Thoracic Society of Australia and New Zealand. Pierce RJ, et al. **Med J Aust** 1991 May 20;154(10):701–4 (6 ref.)

TOXICITY

Genotoxicity of drinking waters. Tuomisto J, et al. **IARC Sci Publ** 1990;(104):307–13 (28 ref.)

FRESH FROZEN PLASMA see **PLASMA**

FRESH WATER

[The ecological problems of the health resort and recreational use of bodies of water] Krasheninnikova TD, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1990 May–Jun; (3):66–72 (43 ref.) **(Rus)**

FREUDIAN THEORY

German philosophy, Freud, and the riddle of the woman. Makari GJ. **J Am Psychoanal Assoc** 1991;39(1):183–213 (49 ref.)

[Psychoanalytic therapy. An orientation on Freudian psychoanalysis] Paikin H. **Ugeskr Laeger** 1991 Aug 5; 153(32):2226–30 (19 ref.) (Eng. Abstr.) **(Dan)**

FROEHLICH'S SYNDROME see **HYPOTHALAMIC DISEASES**

FROGS AND TOADS see **ANURA**

FRONTAL BONE

Hemangioma of the frontal bone: review of the literature and report of a case. Faerber TH, et al.

J Oral Maxillofac Surg 1991 Sep;49(9):1018–22 (22 ref.)
Primary intraosseous hemangioma of the orbit. Report of a case and review of literature. Zucker JJ, et al. **Ophthal Plast Reconstr Surg** 1989;5(4):247–55 (32 ref.)

INJURIES

Management of severe frontobasilar skull fractures. Stanley RB Jr. **Otolaryngol Clin North Am** 1991 Feb;24(1):139–50 (11 ref.)
Intrauterine depressed skull fracture. A report of two cases [see comments] Nakahara T, et al. **Pediatr Neurosci** 1989; 15(3):121–4 (14 ref.) Comment in: Pediatr Neurosci 1989;15(6):317.

FRONTAL LOBE

Frontal lobe seizures and epilepsies in neurobehavioral disorders. Delgado-Escueta AV, et al. **Adv Neurol** 1991; 55:317–40 (67 ref.)
Animal models for human PFC-related disorders. Kolb B. **Prog Brain Res** 1990;85:501–19 (78 ref.)
Psychopathology of frontal lobe syndromes. Trimble MR. **Semin Neurol** 1990 Sep;10(3):287–94 (31 ref.)
[The obsessive-compulsive syndrome: reflection of fronto-caudate dysregulation of the left hemisphere?] Flor-Henry P. **Encephale** 1990 Jul-Aug;16 Spec No:325–9 (48 ref.) (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

The anatomical relationship of the prefrontal cortex with the striatopallidal system, the thalamus and the amygdala: evidence for a parallel organization. Groenewegen HJ, et al. **Prog Brain Res** 1990;85:95–116; discussion 116–8 (52 ref.)
Age-dependent effects of lesioning the mesocortical dopamine system upon prefrontal cortex morphometry and PFC-related behaviors. Kalsbeek A, et al. **Prog Brain Res** 1990;85:257–82; discussion 282–3 (156 ref.)
Structural and histochemical reorganization of the human prefrontal cortex during perinatal and postnatal life. Kostović I. **Prog Brain Res** 1990;85:223–39; discussion 239–40 (96 ref.)

DRUG EFFECTS

The functional neuroanatomy of psychiatric treatments. Gualtieri CT. **Psychiatr Clin North Am** 1991 Mar; 14(1):113–24 (48 ref.)

GROWTH & DEVELOPMENT

Neuronal development in human prefrontal cortex in prenatal and postnatal stages. Mrzljak L, et al. **Prog Brain Res** 1990; 85:185–222 (156 ref.)
The development of the rat prefrontal cortex. Its size and development of connections with thalamus, spinal cord and other cortical areas. van Eden CG, et al. **Prog Brain Res** 1990;85:169–83 (64 ref.)

PATHOLOGY

Metastatic adenocarcinoma in cerebral astrocytoma: clinicopathological and immunohistochemical study with review of the literature. Tajika Y, et al. **Acta Neurochir (Wien)** 1990;105(1-2):50–5 (18 ref.)

PHYSIOLOGY

The development and neural bases of memory functions as indexed by the AB and delayed response tasks in human infants and infant monkeys. Diamond A. **Ann N Y Acad Sci** 1990;608:267–309; discussion 309–17 (110 ref.)
Developmental time course in human infants and infant monkeys, and the neural bases of, inhibitory control in reaching. Diamond A. **Ann N Y Acad Sci** 1990;608:637–69; discussion 669–76 (76 ref.)
Electrophysiological indices of frontal lobe development. Relations to cognitive and affective behavior in human infants over the first year of life. Fox NA, et al. **Ann N Y Acad Sci** 1990;608:677–98; discussion 698–704 (69 ref.)
Prefrontal cortex and the bridging of temporal gaps in the perception-action cycle. Fuster JM. **Ann N Y Acad Sci** 1990;608:318–29; discussion 330–6 (26 ref.)
Loss of parietal and frontal somatosensory evoked potentials in hemispheric deafferentation. Mauguière F, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:274–85 (38 ref.)
Social behaviour and the prefrontal cortex. de Bruin JP. **Prog Brain Res** 1990;85:485–96; discussion 497 (31 ref.)
The determinants of stress-induced activation of the prefrontal cortical dopamine system. Deutch AY, et al. **Prog Brain Res** 1990;85:367–402; discussion 402–3 (234 ref.)
Is it possible to repair the damaged prefrontal cortex by neural tissue transplantation? Dunnett SB. **Prog Brain Res** 1990;85:285–96; discussion 296–7 (80 ref.)
The prefrontal cortex and its relation to behavior. Fuster JM. **Prog Brain Res** 1991;87:201–11 (26 ref.)
Behavioral electrophysiology of the prefrontal cortex of the primate. Fuster JM. **Prog Brain Res** 1990;85:313–23; discussion 323–4 (20 ref.)
Cellular and circuit basis of working memory in prefrontal cortex of nonhuman primates. Goldman-Rakic PS. **Prog Brain Res** 1990;85:325–35; discussion 335–6 (33 ref.)
Role of the forebrain in oculomotor function. Hikosaka O. **Prog Brain Res** 1991;87:101–7 (23 ref.)
How sensory cortex is subdivided in mammals: implications for studies of prefrontal cortex. Kaas JH. **Prog Brain Res** 1990;85:3–10; discussion 10–1 (37 ref.)
Anatomical correlates of behavioural change after neonatal prefrontal lesions in rats. Kolb B, et al. **Prog Brain Res** 1990;85:241–55; discussion 255–6 (50 ref.)
The neurobiological basis of prefrontal cortex self-stimulation: a review and an integrative hypothesis. Mora F, et al. **Prog Brain Res** 1990;85:419–31 (93 ref.)
Prefrontal cortical control of the autonomic nervous system: anatomical and physiological observations. Neafsey EJ. **Prog Brain Res** 1990;85:147–65; discussion 165–6 (208 ref.)
Prefrontal cortex in relation to other cortical areas in rhesus monkey: architecture and connections. Pandya DN, et al. **Prog Brain Res** 1990;85:63–94 (130 ref.)
Role of the prefrontal--thalamic axis in classical conditioning. Powell DA, et al. **Prog Brain Res** 1990; 85:433–65; discussion 465–6 (88 ref.)
Influence of the ascending monoaminergic systems on the activity of the rat prefrontal cortex. Thierry AM, et al. **Prog Brain Res** 1990;85:357–64; discussion 364–5 (40 ref.)
Qualitative and quantitative comparison of the prefrontal cortex in rat and in primates, including humans. Uylings HB, et al. **Prog Brain Res** 1990;85:31–62 (154 ref.)

PHYSIOPATHOLOGY

Subcognitive processing in the frontocaudate "complex loop": the role of the striatum. Taylor AE, et al. **Alzheimer Dis Assoc Disord** 1990 Fall;4(3):150–60 (39 ref.)
The role of frontal dysfunction in attention deficit hyperactivity disorder. Benson DF. **J Child Neurol** 1991; 6 Suppl:S9–12 (31 ref.)
A possible pathophysiologic substrate of attention deficit hyperactivity disorder. Heilman KM, et al. **J Child Neurol** 1991;6 Suppl:S76–81 (50 ref.)
Tourette syndrome attributed to frontal lobe dysfunction: numerous etiologies involved. Gedye A. **J Clin Psychol** 1991 Mar;47(2):233–52 (134 ref.)
Frontal lobe seizures in autism. Gedye A. **Med Hypotheses** 1991 Feb;34(2):174–82 (121 ref.)
The prefrontal cortex in schizophrenia and other neuropsychiatric diseases: in vivo physiological correlates of cognitive deficits. Berman KF, et al. **Prog Brain Res** 1990;85:521–36; discussion 536–7 (52 ref.)
The frontal lobes, basal ganglia, and temporal lobes as sites for schizophrenia. Buchsbaum MS. **Schizophr Bull** 1990; 16(3):379–89 (56 ref.)
The case of frontostriatal dysfunction in schizophrenia. Robbins TW. **Schizophr Bull** 1990;16(3):391–402 (56 ref.)
Mesial frontal lobe syndromes: correlations between neurological deficits and radiological localizations. Mochizuki H, et al. **Tohoku J Exp Med** 1990 Aug;161 Suppl:231–9 (18 ref.)
[The frontal lobe and psychoses] Goldar JC. **Acta Psiquiatr Psicol Am Lat** 1990 Jan-Jun;36(1-2):37–47 (19 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

The prefrontal area and psychosurgery. Valenstein ES. **Prog Brain Res** 1990;85:539–53; discussion 553–4 (65 ref.)

FRONTAL SINUS

[Irreversible bilateral amaurosis secondary to the course of ethmofrontal mucocele] Vallés H, et al. **Acta Otorrinolaringol Esp** 1990 Jul-Aug;41(4):257–60 (10 ref.) (Eng. Abstr.) **(Spa)**

INJURIES

[Post-traumatic infections of the frontal sinus] Le Clech G, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(2):103–5 (11 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Management of a large frontoethmoid osteoma with sinus cranialization and cranial bone graft reconstruction. Schwartz MS, et al. **Int J Pediatr Otorhinolaryngol** 1990 Sep;20(1):63–72 (12 ref.)
Surgery of the frontal sinuses. Montgomery WW. **Otolaryngol Clin North Am** 1971 Feb;4(1):97–126 (24 ref.)

FRONTAL SINUSITIS

ETIOLOGY

[Post-traumatic infections of the frontal sinus] Le Clech G, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(2):103–5 (11 ref.) (Eng. Abstr.) **(Fre)**

FROSTBITE

New horizons in management of hypothermia and frostbite injury. Britt LD, et al. **Surg Clin North Am** 1991 Apr; 71(2):345–70 (162 ref.)

FROZEN SECTIONS

Ice crystal damage and radiation effects in relation to microscopy and analysis at low temperatures. Echlin P. **J Microsc** 1991 Jan;161 (Pt 1):159–70 (29 ref.)
Low-temperature scanning electron microscopy in biology. Read ND, et al. **J Microsc** 1991 Jan;161 (Pt 1):59–72 (83 ref.)
The measurement of water distribution in frozen specimens. von Zglinicki T. **J Microsc** 1991 Jan;161 (Pt 1):149–58 (52 ref.)
Evaluating cervical cone biopsy specimens with frozen sections at hysterectomy. Neiger R, et al. **J Reprod Med** 1991 Feb;36(2):103–7 (28 ref.)

FROZEN SEMEN see **SEMEN PRESERVATION**

FRUCTOSE

The effects of undigestible fructooligosaccharides on intestinal microflora and various physiological functions on human health. Hidaka H, et al. **Adv Exp Med Biol** 1990; 270:105–17 (12 ref.)
Sucrose and fructose in the diabetic diet. Nutrition Subcommittee of the British Diabetic Association's Professional Advisory Committee. **Diabetic Med** 1990 Nov; 7(9):764–9 (35 ref.)

METABOLISM

Current issues in fructose metabolism. Henry RR, et al. **Annu Rev Nutr** 1991;11:21–39 (110 ref.)

FRUCTOSE INTOLERANCE

GENETICS

[Hereditary fructose intolerance. Apropos of a case] Piñán López E, et al. **An Esp Pediatr** 1991 Apr;34(4):319–21 (18 ref.) **(Spa)**

FRUCTOSEDIPHOSPHATE ALDOLASE

PHYSIOLOGY

[Rabbit muscle aldolase; intermolecular interactions and their possible role in in-vivo functioning] Sytnik AI, et al. **Ukr Biokhim Zh** 1991 Jan-Feb;63(1):3–12 (80 ref.) (Eng. Abstr.) **(Rus)**

FRUCTOSEPHOSPHATES

METABOLISM

Pyrophosphate-dependent phosphofructokinase, an anaerobic glycolytic enzyme? Mertens E. **FEBS Lett** 1991 Jul 8;285(1):1–5 (27 ref.)

FRUIT

Dietary guidelines and the results of food consumption surveys. Block G. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):356S–357S (9 ref.)
Nutritional approach to cancer prevention with emphasis on vitamins, antioxidants, and carotenoids. Weisburger JH. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):226S–237S (117 ref.)
Vegetables, fruits, and carotenoids and the risk of cancer. Ziegler RG. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):251S–259S (46 ref.)
Protective dietary factors and lung cancer. Fontham ET. **Int J Epidemiol** 1990;19 Suppl 1:S32–42 (51 ref.)
[The evaluation of "natural" sweeteners, especially concentrated fruit juices, syrups and honey] Hötzel D. **Z Ernahrungswiss** 1990;29 Suppl 1:53–61 (12 ref.) (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

[The truth about juice, all the juice and nothing but the juice] Touyz LZ. **J Can Dent Assoc** 1991 Jan;57(1):49–51 (35 ref.) **(Fre)**

FRUIT FLIES see **DROSOPHILA**

FRUSEMID see **FUROSEMIDE**

FSH

GENETICS

[Genes of pituitary gonadotropin hormones and their regulation] Counis R. **Ann Endocrinol (Paris)** 1990; 51(2):72–81 (58 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

The immunobiology of follicle-stimulating hormone and inhibin: prospects for a contraceptive vaccine. Moudgal NR. **Curr Opin Immunol** 1989–90;2(5):736–42 (12 ref.)

METABOLISM

Reproductive peptide hormones: generation, degradation, reception, and action. LaBarbera AR, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):576–90 (21 ref.)

PHYSIOLOGY

Bioactivity of gonadotropins. Beitins IZ, et al. **Endocrinol Metab Clin North Am** 1991 Mar;20(1):85–120 (122 ref.)

FSH, inhibin and other bioactive peptides of male genital tract: localization, synthesis and their role in cellular pathophysiology. Garde SV, et al. **Indian J Exp Biol** 1991 Jun;29(6):501–15 (136 ref.)

SECRETION

[Ontogenesis of gonadotropic cells] Dubois PM. **Ann Endocrinol (Paris)** 1990;51(2):47–53 (86 ref.) (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Low dose follicle-stimulating hormone therapy for polycystic ovarian disease [editorial] Meldrum DR. **Fertil Steril** 1991 Jun;55(6):1039–40 (11 ref.)

[Contribution of pure FSH in ovulation induction excluding fertilization in vitro] Buvat J, et al. **Rev Fr Gynecol Obstet** 1991 Feb 15;86(2):91–6 (29 ref.) (Eng. Abstr.) **(Fre)**

FSH RECEPTORS see **RECEPTORS, FSH**

FSH-RELEASING HORMONE see **GONADORELIN**

FTLV see **FELINE IMMUNODEFICIENCY VIRUS**

FTORAFUR see **TEGAFUR**

FUCOSIDOSIS

GENETICS

Fucosidosis revisited: a review of 77 patients. Willems PJ, et al. **Am J Med Genet** 1991 Jan;38(1):111–31 (155 ref.)

FUDR see **FLUORODEOXYURIDINE**

FUEL OILS

Microbes and oil recovery. Moses V. **Microbiol Sci** 1987 Oct; 4(10):306–9 (9 ref.)

FUGU TOXIN see **TETRODOTOXIN**

FUGUE see **DISSOCIATIVE DISORDERS**

FUMIGATION

Fumigants and related chemicals in foods: review of residue findings, contamination sources, and analytical methods. Daft JL. **Sci Total Environ** 1991 Mar;100 Spec No:501–18 (138 ref.)

FUNCTIONAL ORTHODONTIC APPLIANCES see **ACTIVATOR APPLIANCES**

FUNCTIONAL RESIDUAL CAPACITY

PHYSIOLOGY

Perioperative functional residual capacity. Wahba RW. **Can J Anaesth** 1991 Apr;38(3):384–400 (111 ref.)

FUNCTIONALLY-IMPAIRED ELDERLY see **FRAIL ELDERLY**

FUNDUS FLUORESCENCE PHOTOGRAPHY see **FLUORESCEIN ANGIOGRAPHY**

FUNDUS OCULI

see related
OPHTHALMOSCOPY

Vascular tumors and malformations of the ocular fundus. De Lacy JJ, et al. **Bull Soc Belge Ophtalmol** 1990;225 Pt 1:1–241 (930 ref.)

[Importance of the fundus oculi in the early diagnosis in childhood of familial polyposis coli] Díaz Llopis M, et al. **Cir Pediatr** 1988 Jan;1(1):39–42 (14 ref.) (Eng. Abstr.) **(Spa)**

FUNGAL ANTIBODIES see **ANTIBODIES, FUNGAL**

FUNGAL ANTIGENS see **ANTIGENS, FUNGAL**

FUNGAL COUNT see **COLONY COUNT, MICROBIAL**

FUNGAL DNA see **DNA, FUNGAL**

FUNGAL GENE EXPRESSION REGULATION see **GENE EXPRESSION REGULATION, FUNGAL**

FUNGAL GENE PRODUCTS see **FUNGAL PROTEINS**

FUNGAL GENE PROTEINS see **FUNGAL PROTEINS**

FUNGAL PEPTIDES see **FUNGAL PROTEINS**

FUNGAL PROTEINS

BIOSYNTHESIS

The production of foreign proteins in Saccharomyces cerevisiae. Valenzuela P. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):231–40 (37 ref.)

GENETICS

Ras-related genes in Dictyostelium discoideum. Robbins SM, et al. **Dev Genet** 1991;12(1–2):147–53 (40 ref.)

Genes directly involved in the biosynthesis of beta-lactam antibiotics. Barredo JL, et al. **Microbiologia** 1991 Jun; 7(1):1–12 (68 ref.)

The TPR snap helix: a novel protein repeat motif from mitosis to transcription. Goebl M, et al. **Trends Biochem Sci** 1991 May;16(5):173–7 (25 ref.)

METABOLISM

Microbial stress proteins. Watson K. **Adv Microb Physiol** 1990;31:183–223 (293 ref.)

Promoter function and in situ protein/DNA interactions upstream of the yeast HSP90 heat shock genes. Gross DS, et al. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):175–86 (47 ref.)

Saccharomyces cerevisiae proteins involved in hybrid DNA formation in vitro. Heyer WD, et al. **Biochimie** 1991 Feb–Mar;73(2–3):269–76 (45 ref.)

The transactivator GAL4: co-activators, adaptors and chromatin. Stanway CA. **Bioessays** 1991 May;13(5):241–2 (16 ref.)

Profilin, a weak CAP for actin and RAS. Goldschmidt-Clermont PJ, et al. **Cell** 1991 Aug 9; 66(3):419–21 (23 ref.)

Actin-associated proteins in Dictyostelium discoideum. Luna EJ, et al. **Dev Genet** 1990;11(5–6):328–32 (73 ref.)

Emerging applications of the methylotrophic yeasts. Wegner GH. **FEMS Microbiol Rev** 1990 Dec;7(3–4):279–83 (22 ref.)

Mitochondrial protein import. Geli V, et al. **J Bioenerg Biomembr** 1990 Dec;22(6):725–51 (165 ref.)

Yeast killer toxin and an immunity protein are processed from a composite precursor. Bussey H. **Microbiol Sci** 1984 Jun; 1(3):62–6 (26 ref.)

Passage of molecules through yeast cell walls: a brief essay-review. De Nobel JG, et al. **Yeast** 1991 May–Jun; 7(4):313–23 (124 ref.)

PHARMACOLOGY

Interfaces of the yeast killer phenomenon. Polonelli L, et al. **Crit Rev Microbiol** 1991;18(1):47–87 (556 ref.)

FUNGAL RNA see **RNA, FUNGAL**

FUNGAL SPORES see **SPORES, FUNGAL**

FUNGAL STRUCTURAL GENES see **GENES, STRUCTURAL, FUNGAL**

FUNGAL TOXINS see **MYCOTOXINS**

FUNGAL VACCINES

Systematic control of dermatophytosis profunda of cattle in the former GDR. Kielstein P. **Mycoses** 1990 Nov–Dec; 33(11–12):575–9 (7 ref.)

FUNGI

Antimicrobial polypeptides of human neutrophils. Lehrer RI, et al. **Blood** 1990 Dec 1;76(11):2169–81 (239 ref.)

Viruses in fungi and eukaryotic algae: their possible origins and evolution. Ushiyama R. **Microbiol Sci** 1985 Jun; 2(6):181–4 (35 ref.)

ANALYSIS

Some problems in the structural elucidation of fungal metabolites. Steglich W, et al. **Ciba Found Symp** 1990; 154:56–61; discussion 61–5 (10 ref.)

Cytochemical localization of beta-(1——4)-D-glucans in plant and fungal cells using an exoglucanase-gold complex. Benhamou N. **Electron Microsc Rev** 1989;2(1):123–38 (78 ref.)

CLASSIFICATION

International Commission on the Taxonomy of Fungi (ICTF): name changes in fungi of microbiological, industrial and medical importance. Part 2. Cannon PF. **Microbiol Sci** 1986 Sep;3(9):285–7 (0 ref.)

CYTOLOGY

To shape a cell: an inquiry into the causes of morphogenesis of microorganisms. Harold FM. **Microbiol Rev** 1990 Dec; 54(4):381–431 (305 ref.)

Developments in protoplast fusion in fungi. Peberdy JF. **Microbiol Sci** 1987 Apr;4(4):108–14 (27 ref.)

The development of infection structures by the rusts and other fungi. Staples RC. **Microbiol Sci** 1985 Jul;2(7):193–4, 197–8 (33 ref.)

DRUG EFFECTS

Biochemical basis for the activity and selectivity of oral antifungal drugs. Vanden Bossche H, et al. **Br J Clin Pract Symp Suppl** 1990 Sep;71:41–6 (16 ref.)

Oxiconazole nitrate: pharmacology, efficacy, and safety of a new imidazole antifungal agent. Jegasothy BV, et al. **Clin Ther** 1991 Jan–Feb;13(1):126–41 (30 ref.)

Fluconazole: a new triazole antifungal agent. Pasko MT, et al. **DICP** 1990 Sep;24(9):860–7 (66 ref.)

New strategy for discovery of enzyme inhibitors: screening with intact mammalian cells or intact microorganisms having special functions. Tomoda H, et al. **J Antibiot (Tokyo)** 1990 Oct;43(10):1207–22 (81 ref.)

Metal ion resistance in fungi: molecular mechanisms and their regulated expression. Mehra RK, et al. **J Cell Biochem** 1991 Jan;45(1):30–40 (64 ref.)

Present status of antimycotics. Kerridge D. **Microbiol Sci** 1985;2(3):78, 83–6 (35 ref.)

ENZYMOLOGY

Factors limiting the efficiency of cellulase enzymes. Saddler JN. **Microbiol Sci** 1986 Mar;3(3):84–7 (23 ref.)

[The lipids of mycelial fungi and the prospects for the development of microbial oleo-biotechnology. I. The lipids of mycelial fungi] Feofilova EP. **Biol Nauki** 1990;(11):5–25 (81 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Screening of natural products for antimicrobial agents. Silver L, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul; 9(7):455–61 (27 ref.)

The Wilhelmine E. Key 1989 invitational lecture. Organization and regulation of the qa (quinic acid) genes in Neurospora crassa and other fungi. Giles NH, et al. **J Hered** 1991 Jan–Feb;82(1):1–7 (32 ref.)

DNA base sequence complementarity and the definition of fungal taxa. Kurtzman CP. **Microbiol Sci** 1984 May; 1(2):44–8 (49 ref.)

Evolution of isopenicillin N synthase genes may have involved horizontal gene transfer. Landan G, et al. **Mol Biol Evol** 1990 Sep;7(5):399–406 (20 ref.)

Molecular genetics of pathogenic fungi: some recent developments and perspectives. Ernst JF. **Mycoses** 1990 May;33(5):225–9 (37 ref.)

GROWTH & DEVELOPMENT

Growth mechanisms and growth kinetics of filamentous microorganisms. Prosser JI, et al. **Crit Rev Biotechnol** 1991; 10(4):253–74 (158 ref.)

Allergenic and toxigenic micro-organisms in houses. Flannigan B, et al. **Soc Appl Bacteriol Symp Ser** 1991; 20:61S–73S (79 ref.)

IMMUNOLOGY

Immunological aspects of fungal pathogenesis. Deepe GS, et al. **Eur J Clin Microbiol Infect Dis** 1990 Aug;9(8):567–79 (134 ref.)

METABOLISM

Microbial cytochromes P-450 and xenobiotic metabolism. Sariaslani FS. **Adv Appl Microbiol** 1991;36:133–78 (128 ref.)

Lysine-pipecolic acid metabolic relationships in microbes and mammals. Broquist HP. **Annu Rev Nutr** 1991;11:435–48 (48 ref.)

The shikimate pathway--a metabolic tree with many branches. Bentley R. **Crit Rev Biochem Mol Biol** 1990; 25(5):307–84 (568 ref.)

Lipid metabolism in anaerobic ecosystems. Mackie RI, et al. **Crit Rev Microbiol** 1991;17(6):449–79 (280 ref.)

Role of rumen fungi in fiber degradation. Akin DE, et al. **J Dairy Sci** 1990 Oct;73(10):3023–32 (55 ref.)

Inhibitors of fungal sterol synthesis: squalene-epoxidation and C-14-demethylation. Berg D, et al. **J Enzym Inhib** 1989; 3(1):1–11 (52 ref.)

Microbial degradation of hydrocarbons in the environment. Leahy JG, et al. **Microbiol Rev** 1990 Sep;54(3):305–15 (157 ref.)

Microbiological applications of NMR spectroscopy. Part 1. Baxter RL. **Microbiol Sci** 1985 Jul;2(7):203–6, 211 (17 ref.)

Microbiological applications of NMR spectroscopy. Part 2. Baxter RL. **Microbiol Sci** 1985 Nov;2(11):340–5 (24 ref.)

Carbohydrate metabolism in biotrophic plant pathogens. Farrar JF. **Microbiol Sci** 1985 Oct;2(10):314–7 (21 ref.)

Siderophores of bacteria and fungi. Neilands JB. **Microbiol Sci** 1984 Apr;1(1):9–14 (36 ref.)

Fungal metabolites and Chinese herbal medicine as immunostimulants. Lien EJ. **Prog Drug Res** 1990; 34:395–420 (98 ref.)

[The microbiological transformation and degradation of pyridine and alkyl pyridines] Dovgilevich EV. **Biol Nauki** 1990;(8):5–19 (49 ref.) (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Melanin as a virulence factor in pathogenic fungi. Polak A. **Mycoses** 1990 May;33(5):215–24 (25 ref.)

[Microbial pathogenicity factors and host defense mechanisms--parameters of post-traumatic infections] Schlüter B, et al. **Immun Infekt** 1991 Apr;19(2):50–4 (42 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Engineering considerations for the application of extremophiles in biotechnology. Ludlow JM, et al. **Crit Rev Biotechnol** 1991;10(4):321–45 (175 ref.)

Biochemical activities of entomophagous fungi. Domnas AJ, et al. **Crit Rev Microbiol** 1991;18(1):1–13 (106 ref.)

Electrobiology of fungal hyphae. Harold FM, et al. **Microbiol Sci** 1985 Dec;2(12):363–6 (29 ref.)

ULTRASTRUCTURE

The fungal vacuole: composition, function, and biogenesis. Klionsky DJ, et al. **Microbiol Rev** 1990 Sep;54(3):266–92 (200 ref.)

FUNGI IMPERFECTI see **DEUTEROMYCETES**

FUNGICIDES, INDUSTRIAL

METABOLISM

Microbiological degradation of pesticides in yard waste composting. Fogarty AM, et al. **Microbiol Rev** 1991 Jun; 55(2):225–33 (43 ref.)

POISONING

Effects of agricultural pesticides on humans, animals, and higher plants in developing countries. Igbedioh SO. **Arch Environ Health** 1991 Jul–Aug;46(4):218–24 (52 ref.)

FUNGICIDES, THERAPEUTIC see **ANTIFUNGAL AGENTS**

FUNGUS DISEASES see **MYCOSES**

FUNGUS POISONING see **MYCOTOXICOSIS**

FURANS

METABOLISM

Formyl–methanofuran synthesis in Methanobacterium thermoautotrophicum. Bobik TA, et al. **FEMS Microbiol Rev** 1990 Dec;7(3–4):323–6 (18 ref.)

FURAZOLIDONE

METABOLISM

In vivo and in vitro metabolic studies of furazolidone: a risk evaluation. Vroomen LH, et al. **Drug Metab Rev** 1990; 22(6–8):663–76 (15 ref.)

FURAZOSIN see **PRAZOSIN**

FURNITURE see **INTERIOR DESIGN AND FURNISHINGS**

FUROCOUMARINS see **PSORALENS**

FUROSEMIDE

DIAGNOSTIC USE

[Furosemide in assessing kidney function and in studying the status of different sections of the urinary system] Arkhipov VV, et al. **Urol Nefrol (Mosk)** 1991 Mar–Apr;(2):63–6 (38 ref.) **(Rus)**

TOXICITY

Furosemide (frusemide). **IARC Monogr Eval Carcinog Risks Hum** 1990;50:277–91 (76 ref.)

FURROW KERATITIS see **KERATITIS, DENDRITIC**

FURSEMIDE see **FUROSEMIDE**

FUSARIUM

Successful treatment of disseminated Fusarium infection in an immunocompromised child. Barrios NJ, et al. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):319–24 (34 ref.)

Toxins from Fusarium moniliforme, a common fungus in corn. Voss KA. **Vet Hum Toxicol** 1990;32 Suppl:57–63 (55 ref.)

METABOLISM

Naphthoquinone pigments related to fusarubin from the fungus Fusarium solani (Mart.) Sacc. Parisot D, et al. **Microbios** 1990;64(258):31–47 (90 ref.)

FUSED TEETH

SURGERY

Tissue regeneration principles applied to separation of fused teeth. Kohavi D, et al. **J Clin Periodontol** 1990 Oct; 17(9):623–9 (26 ref.)

FUSION PROTEINS, BCR-ABL

see related
PHILADELPHIA CHROMOSOME

GENETICS

Molecular insights into the Philadelphia translocation. Heisterkamp N, et al. **Hematol Pathol** 1991;5(1):1–10 (81 ref.)

FUSION PROTEINS, RECOMBINANT see **RECOMBINANT FUSION PROTEINS**

FUSION PROTEINS, VIRAL see **VIRAL FUSION PROTEINS**

FUSOBACTERIUM INFECTIONS

DIAGNOSIS

[Right–sided endocarditis due to Fusobacterium nucleatum] Gónzalez Cocina E, et al. **Rev Esp Cardiol** 1991 Mar; 44(3):207–9 (5 ref.) (Eng. Abstr.) **(Spa)**

FUTILE CYCLING see **SUBSTRATE CYCLING**

FUTUROLOGY see **FORECASTING**

G-ACTIN see **ACTINS**

G-CSF see **GRANULOCYTE COLONY-STIMULATING FACTOR**

G FORCE see **GRAVITATION**

G PERIODS see **INTERPHASE**

G PHASES see **INTERPHASE**

GABA

ANALYSIS

[Significance of GABA–energic system in the central nervous system in clinical psychologic medicine] Ciu Z, et al. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1990 Aug; 23(4):249–51 (21 ref.) **(Chi)**

METABOLISM

Cerebellar localization and colocalization of GABA and calcium binding protein–D28K. Batini C. **Arch Ital Biol** 1990 Jul;128(2–4):127–49 (108 ref.)

Amino acid neurotransmitter reuptake: mechanistics, biochemistry and molecular cloning. Kanner BI. **Biochem Soc Trans** 1991 Feb;19(1):92–5 (27 ref.)

Review: Normal and abnormal central nervous system GABA metabolism in childhood. Jaeken J, et al. **J Inherit Metab Dis** 1990;13(6):793–801 (41 ref.)

Depolarization induced neuronal release of taurine in relation to synaptic transmission: comparison with GABA and glutamate. Schousboe A, et al. **Prog Clin Biol Res** 1990; 351:289–97 (36 ref.)

PHYSIOLOGY

Hepatic encephalopathy, GABA–ergic neurotransmission and benzodiazepine receptor ligands. Jones EA, et al. **Adv Exp Med Biol** 1990;272:121–34 (59 ref.)

Regulation of GABAA currents by excitatory amino acids. Stelzer A. **Adv Exp Med Biol** 1990;268:255–63 (23 ref.)

Gating of GABAergic inhibition in hippocampal pyramidal cells. Alger BE. **Ann N Y Acad Sci** 1991;627:249–63 (154 ref.)

GABA as a presumptive paracrine signal in the pineal gland. Evidence on an intrapineal GABAergic system. Rosenstein RE, et al. **Brain Res Bull** 1990 Aug;25(2):339–44 (51 ref.)

GABAergic and dopaminergic transmission in the rat cerebral cortex: effect of stress, anxiolytic and anxiogenic drugs. Biggio G, et al. **Pharmacol Ther** 1990;48(2):121–42 (190 ref.)

A GABA–agonist like effect of taurine on the formation of low affinity GABA receptors on cultured cerebellar granule cells. Abraham JH, et al. **Prog Clin Biol Res** 1990; 351:77–81 (13 ref.)

GABA receptor mechanisms in the central nervous system. Sivilotti L, et al. **Prog Neurobiol** 1991;36(1):35–92 (520 ref.)

The role of gamma–aminobutyric acid in the mechanism of seizures. Wood JD. **Prog Neurobiol** 1975;5(1):77–95 (62 ref.)

Retinal bipolar cells receive negative feedback input from GABAergic amacrine cells. Tachibana M, et al. **Vis Neurosci** 1988;1(3):297–305 (37 ref.)

[Working hypothesis for the effect of GABAergic, glycinergic or glutamatergic drugs in the treatment of Parkinson disease] Vamvakidès A. **Ann Pharm Fr** 1990; 48(2):70–80 (95 ref.) (Eng. Abstr.) **(Fre)**

SECRETION

Involvement of the gamma subtype of protein kinase C in GABA release from the cerebellum. Taniyama K, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:399–404 (43 ref.)

GABA RECEPTORS see **RECEPTORS, GABA–BENZODIAZEPINE**

GABA TRANSAMINASE see **AMINOBUTYRATE AMINOTRANSFERASE**

GADOLINIUM

Tolerance data of Gd–DTPA: a review. Niendorf HP, et al. **Eur J Radiol** 1991 Jul–Aug;13(1):15–20 (7 ref.)

DIAGNOSTIC USE

Gadopentetate dimeglumine–enhanced MR imaging of the musculoskeletal system. Beltran J, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):457–66 (58 ref.)

Characterization of intrahepatic space–occupying lesions by magnetic resonance imaging. Vellet AD. **Can Assoc Radiol J** 1991 Jun;42(3):165–79 (34 ref.)

Choroid plexus papillomas of the posterior fossa in adults: MR imaging and gadolinium enhancement. Report of four cases and review of the literature. Girardot C, et al. **J Neuroradiol** 1990;17(4):303–18 (27 ref.) **(Eng, Fre)**

GAFFKYA HOMARI see **STREPTOCOCCACEAE**

GAIT

Gait analysis in the treatment of the ambulatory child with cerebral palsy. DeLuca PA. **Clin Orthop** 1991 Mar; (264):65–75 (23 ref.)

The limping child. MacEwen GD, et al. **Pediatr Rev** 1991 Mar;12(9):268–74 (0 ref.)

[Static and dynamic loading measurements of the post–traumatic foot] Mittlmeier T, et al. **Orthopade** 1991 Mar;20(1):22–32 (73 ref.) (Eng. Abstr.) **(Ger)**

[Evaluating gait disorders in geriatrics] Bopp I, et al. **Ther Umsch** 1991 May;48(5):293–300 (17 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Functional dispositions of the spinal stepping generators and their half–centres. Eke–Okoro ST. **Electromyogr Clin Neurophysiol** 1991 Mar;31(2):81–3 (10 ref.)

Outgrowing trends in the lower extremities of children. Schuster RO, et al. **J Am Podiatr Med Assoc** 1991 Mar; 81(3):131–5 (5 ref.)

Transient vibrations caused by heel strike [see comments] Smeathers JE. **Proc Inst Mech Eng [H]** 1989;203(4):181–6 (9 ref.) Comment in: Proc Inst Mech Eng [H] 1990;204(2):135–7.

GALACTANS

METABOLISM

Structure–to–function relationship of mycobacterial cell envelope components. Takayama K, et al. **Res Microbiol** 1991 May;142(4):443–8 (37 ref.)

GALACTOKINASE

DEFICIENCY

Galactose disorders: an overview. Holton JB. **J Inherited Metab Dis** 1990;13(4):476–86 (39 ref.)

GALACTORRHEA

ETIOLOGY

[Galactorrhea] Assies J. **Ned Tijdschr Geneeskd** 1990 Sep 22; 134(38):1840–3 (21 ref.) **(Dut)**

METABOLISM

Growth hormone excess and galactorrhoea without acromegalic features. Case reports. Pestell R, et al. **Br J Obstet Gynaecol** 1991 Jan;98(1):92–7 (14 ref.)

GALACTOSAMINE

METABOLISM

In vivo phosphorus NMR studies of the hepatic metabolism of amino sugars. London RE, et al. **Basic Life Sci** 1990; 56:349–60 (22 ref.)

GALACTOSAMINIDASE

DEFICIENCY

Schindler disease: an inherited neuroaxonal dystrophy due to alpha–N–acetylgalactosaminidase deficiency. Desnick RJ, et al. **J Inherited Metab Dis** 1990;13(4):549–59 (17 ref.)

GALACTOSE

GENETICS

Impact of the Douglas–Hawthorne model as a paradigm for elucidating cellular regulatory mechanisms in fungi. Oshima Y. **Genetics** 1991 Jun;128(2):195–201 (46 ref.)

GALACTOSE OXIDASE

METABOLISM

Status of the cofactor identity in copper oxidative enzymes. Klinman JP, et al. **FEBS Lett** 1991 Apr 22;282(1):1–4 (36 ref.)

GALACTOSEMIA

COMPLICATIONS

[Severe neurologic course of galactosemia. Default of myelisation caused by deficient synthesis of UDP–galactose?] Choulot JJ, et al. **Arch Fr Pediatr** 1991 Apr;48(4):267–9 (7 ref.) (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Regulation of galactose metabolism: implications for therapy. Segal S, et al. **J Inherited Metab Dis** 1990;13(4):487–500 (45 ref.)

GALACTOSEPHOSPHATE URIDYLYLTRANSFERASE

DEFICIENCY

Galactose disorders: an overview. Holton JB. **J Inherited Metab Dis** 1990;13(4):476–86 (39 ref.)

Regulation of galactose metabolism: implications for therapy. Segal S, et al. **J Inherited Metab Dis** 1990;13(4):487–500 (45 ref.)

GALACTOSIDASES

see related
GANGLIOSIDOSIS

GALACTOSIDES

METABOLISM

Soluble galactoside–binding vertebrate lectins: a protein family with common properties. Caron M, et al. **Int J Biochem** 1990;22(12):1379–85 (65 ref.)

GALLBLADDER

see related
CHOLECYSTECTOMY
CHOLECYSTOGRAPHY

INJURIES

Isolated gallbladder rupture due to blunt abdominal trauma. Schachter P, et al. **HPB Surg** 1989 Nov;1(4):359–62 (25 ref.)

METABOLISM

Regulation of ion transport across gallbladder epithelium. Reuss L, et al. **Annu Rev Physiol** 1991;53:361–73 (65 ref.)

Gallbladder mucin as a pronucleating agent for cholesterol monohydrate crystals in bile. Smith BF. **Hepatology** 1990 Sep;12(3 Pt 2):183S–186S; discussion 186S–188S (17 ref.)

[Calcium in hepatocytes: physiology and physiopathology] Claret M, et al. **Gastroenterol Clin Biol** 1991;15(1):57–63 (71 ref.) **(Fre)**

[Current concepts of the pathogenesis of cholelithiasis] Tadzhiev IIa. **Klin Med (Mosk)** 1991 Apr;69(4):110–3 (62 ref.) **(Rus)**

PATHOLOGY

Gallbladder imaging. The state of the art. Zeman RK, et al. **Gastroenterol Clin North Am** 1991 Mar;20(1):127–56 (49 ref.)

PHYSIOLOGY

Gall–bladder emptying. Baxter JN. **J Gastroenterol Hepatol** 1989 Jul–Aug;4(4):353–72 (188 ref.)

PHYSIOPATHOLOGY

Gallbladder function in gallstone disease. Everson GT. **Gastroenterol Clin North Am** 1991 Mar;20(1):85–110 (81 ref.)

SURGERY

[Cholecysto–intestinal anastomoses in the treatment of obstructive jaundice with neoplastic origin] Avaliani MV, et al. **Klin Khir** 1990;(9):39–43 (59 ref.) **(Rus)**

GALLBLADDER DISEASES

CHEMICALLY INDUCED

Effects of steroidal contraceptives on gallbladder: a review. Kenya PR. **East Afr Med J** 1990 Sep;67(9):661–6 (34 ref.)

COMPLICATIONS

[A case of biloma induced by spontaneous rupture of gallbladder] Suda T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jun;88(6):1375–9 (13 ref.) **(Jpn)**

DIAGNOSIS

Gallbladder perforation: correlation of cholescintigraphic and sonographic findings with the Niemeier classification. Swayne LC, et al. **J Nucl Med** 1990 Dec;31(12):1915–20 (39 ref.)

[Early diagnosis and treatment of concomitant pathology of the gallbladder and duodenum in ambulatory care] Asel'derov PSh. **Ter Arkh** 1991;63(2):127–9 (16 ref.) (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Hepatobiliary complications of chronic inflammatory bowel diseases] Walker S, et al. **Med Klin** 1990 Oct 15; 85(10):608–15 (133 ref.) **(Ger)**

PATHOLOGY

Localized necrotizing arteritis. A report of two cases involving the gallbladder and pancreas. Ito M, et al. **Arch Pathol Lab Med** 1991 Aug;115(8):780–3 (33 ref.)

RADIOGRAPHY

Porcelain gallbladder in a child: a case report and review. Casteel HB, et al. **J Pediatr Surg** 1990 Dec;25(12):1302–3 (9 ref.)

SURGERY

[Gallbladder volvulus] Taziaux P, et al. **J Chir (Paris)** 1990 Aug–Sep;127(8–9):408–11 (17 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Intervention for gallbladder disease. Miller FJ, et al. **Cardiovasc Intervent Radiol** 1990 Aug–Sep;13(4):264–71 (20 ref.)

[Percutaneous diagnosis and therapy of the bile ducts and gallbladder. Feasibility and status] Hauenstein KH, et al. **Radiologe** 1991 Mar;31(3):132–40 (33 ref.) (Eng. Abstr.) **(Ger)**

GALLBLADDER NEOPLASMS

Primary leiomyosarcoma of the gallbladder. Case report and review of the literature. Fotiadis C, et al. **HPB Surg** 1990 Jul;2(3):211–4 (6 ref.)

Nonfunctioning paraganglioma of the liver, gallbladder and common bile duct. Ferrell KD, et al. **Indiana Med** 1990 Nov;83(11):822–4 (8 ref.)

Carcinoma of the gallbladder. Jones RS. **Surg Clin North Am** 1990 Dec;70(6):1419–28 (55 ref.)

[Carcinoma of the gallbladder: presentation of 6 clinical cases and review of the literature] Vietri F, et al. **G Chir** 1988 Oct;9(10):687–93 (49 ref.) (Eng. Abstr.) **(Ita)**

[A case report of multiple lipomas of the alimentary tract and gall bladder combined with early gastric cancer] Tokoro Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Feb;88(2):175–9 (20 ref.) **(Jpn)**

CHEMICALLY INDUCED

[Are industrial toxic substances a risk factor in gallbladder cancer?] Paraf F, et al. **Gastroenterol Clin Biol** 1990; 14(11):877–80 (40 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Adenomyomatosis vesicae felleae] Fog I, et al. **Ugeskr Laeger** 1991 Mar 4;153(10):701–5 (30 ref.) (Eng. Abstr.) **(Dan)**

[Cancer of the gallbladder] Milonov OB, et al. **Khirurgiia (Mosk)** 1990 Jul;(7):148–51 (53 ref.) **(Rus)**

ETIOLOGY

The association of oral contraception with kidney cancer, colon cancer, gallbladder cancer (including extrahepatic bile duct cancer) and pituitary tumours. Milne R, et al. **Contraception** 1991 Jun;43(6):667–93 (73 ref.)

PATHOLOGY

Malignant melanoma of the gallbladder. Case report and review of the literature. Guerini A, et al. **Arch Anat Cytol Pathol** 1990;38(4):168–70 (21 ref.)

Adenocarcinoma and (extragonadal) choriocarcinoma of the gallbladder in a young woman. Abu-Farsakh H, et al. **Hum Pathol** 1991 Jun;22(6):614–5 (22 ref.)

[Gallbladder cancer: anatomic and anatomo–pathologic considerations] Roa I, et al. **Rev Med Chil** 1990 May; 118(5):572–9 (19 ref.) (Eng. Abstr.) **(Spa)**

GALLODESOXYCHOLIC ACID see **CHENODEOXYCHOLIC ACID**

GALLSTONES see **CHOLELITHIASIS**

GALLSTONES, COMMON BILE DUCT see **COMMON BILE DUCT CALCULI**

GALVANIC SKIN RESPONSE

DRUG EFFECTS

Effects of neuroleptics on electrodermal activity in schizophrenic patients: a review. Schnur DB. **Psychopharmacology (Berl)** 1990;102(4):429–37 (54 ref.)

PHYSIOLOGY

Autonomic activity. Venables PH. **Ann N Y Acad Sci** 1991; 620:191–207 (56 ref.)

GAMBLING

PSYCHOLOGY

Amusement machine playing in childhood and adolescence: a comparative analysis of video games and fruit machines. Griffiths MD. **J Adolesc** 1991 Mar;14(1):53–73 (85 ref.)

GAMETE INTRAFALLOPIAN TRANSFER

Outcome of pregnancies resulting from assisted conception. Beral V, et al. **Br Med Bull** 1990 Jul;46(3):753–68 (22 ref.)

Gamete intrafallopian transfer and related procedures. Corson SL. **Curr Opin Obstet Gynecol** 1989 Oct;1(1):73–9 (18 ref.)

Early miscarriage and fetal malformations after induction of ovulation (by clomiphene citrate and/or human menotropins), in vitro fertilization, and gamete intrafallopian transfer. Shoham Z, et al. **Fertil Steril** 1991 Jan;55(1):1–11 (88 ref.)

[Indications for and results of in–vitro fertilization (IVF), intratubal gamete– (GIFT) and embryo transfer (EIFT)] Diedrich K, et al. **Gynakologe** 1990 Aug;23(4):186–95 (33 ref.) **(Ger)**

METHODS

Induction of ovulation for assisted reproduction programmes. Oehninger S, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):541–73 (90 ref.)

GAMETOGENESIS

GENETICS

Chromosome abnormalities and gamete production in man. Fraccaro M. **Differentiation** 1983;23 Suppl:S40–3 (12 ref.)

Evolution of sex chromosomes and heterogametic systems in amphibia. Schmid M. **Differentiation** 1983;23 Suppl:S13–22 (48 ref.)

GAMMA–AMINOBUTYRIC ACID see **GABA**

GAMMA–AMYLASE see **GLUCAN 1,4–ALPHA–GLUCOSIDASE**

GAMMA–BENZENE HEXACHLORIDE see **BENZENE HEXACHLORIDE**

GAMMA CAMERA IMAGING see **RADIONUCLIDE IMAGING**

GAMMA CAMERAS

First passage radionuclide cardiography for determination of cardiac output: a critical analysis. Wenting GJ, et al. **Eur Heart J** 1990 Dec;11 Suppl I:41–8 (33 ref.)

GAMMA–GLOBIN see **GLOBIN**

GAMMA GLOBULIN, 7S see **IGG**

GAMMA GLOBULIN, 19S see **IGM**

GAMMA GLOBULINS

ADMINISTRATION & DOSAGE

Neonatal uses of intravenous immunoglobulin. Bussel JB. **Am J Pediatr Hematol Oncol** 1990 Winter;12(4):505–9 (21 ref.)

Differences in immunoglobulin preparations for intravenous use: a comparison of six products. Greenbaum BH. **Am J Pediatr Hematol Oncol** 1990 Winter;12(4):490–6 (46 ref.)

High dose intravenous gammaglobulins in autoimmune disorders: mode of action and therapeutic uses. Etzioni A, et al. **Autoimmunity** 1989;3(4):307–15 (65 ref.)

Thrombotic thrombocytopenic purpura treated with high–dose intravenous gamma globulin. Heyman MR, et al. **South Med J** 1990 Dec;83(12):1471–4 (21 ref.)

[Other uses of gamma globulins and their evaluation] Girón Caro F. **An Esp Pediatr** 1989 Sep;31 Suppl 38:113–5 (14 ref.) **(Spa)**

[The use of intravenous gamma globulin in malignant hematologic diseases] Garay GE. **Medicina (B Aires)** 1989; 49(6):621–7 (55 ref.) **(Spa)**

GAMMA GLOBULINS

THERAPEUTIC USE

[Gamma-globulins in the prevention and therapy of herpesvirus infections] Kostrova OM, et al. **Vopr Virusol** 1991 May-Jun;36(3):182-7 (93 ref.) **(Rus)**

GAMMA RAYS

Gamma scintigraphy and neutron activation techniques in the in vivo assessment of orally administered dosage forms. Digenis GA, et al. **Crit Rev Ther Drug Carrier Syst** 1991; 7(4):309-45 (59 ref.)

GAMMA TRANSDUCIN see **TRANSDUCIN**

GAMMAPHOS see **ETHIOFOS**

GANCICLOVIR

ADVERSE EFFECTS

Safety considerations in the use of ganciclovir in immunocompromised patients. DeArmond B. **Transplant Proc** 1991 Apr;23(2 Suppl 1):26-9 (10 ref.)

PHARMACOLOGY

Ganciclovir-resistant human cytomegalovirus clinical isolates; resistance mechanisms and in vitro susceptibility to antiviral agents. Biron KK. **Transplant Proc** 1991 Jun; 23(3 Suppl 3):162-7 (10 ref.)

THERAPEUTIC USE

Ganciclovir therapy for opportunistic cytomegalovirus disease in AIDS. Jacobson MA. **AIDS Clin Rev** 1990; :149-63 (37 ref.)

Concomitant ganciclovir and zidovudine treatment for cytomegalovirus retinitis in patients with HIV infection: an approach to treatment. Causey D. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S16-21 (37 ref.)

Future directions in the management of cytomegalovirus infections. DeArmond B. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S53-6 (10 ref.)

Clinical use of ganciclovir for cytomegalovirus infection and the development of drug resistance. Drew WL. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S42-6 (24 ref.)

Diagnosis and treatment of cytomegalovirus retinitis. Henderly DE, et al. **J Acquir Immune Defic Syndr** 1991; 4 Suppl 1:S6-10 (18 ref.)

Approaches to the treatment of cytomegalovirus retinitis: ganciclovir and foscarnet. Jacobson MA, et al. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S11-5 (26 ref.)

Cytomegalovirus colitis and wasting. Kotler DP. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S36-41 (5 ref.)

Clinical trials of ganciclovir. DeArmond B. **Transplant Proc** 1991 Jun;23(3 Suppl 3):171-3 (7 ref.)

Treatment of cytomegalovirus infection in the AIDS patient. Merigan TC. **Transplant Proc** 1991 Jun;23(3 Suppl 3):122-5 (32 ref.)

Critical evaluation of agents used in the treatment and prevention of cytomegalovirus infection in immunocompromised patients. Meyers JD. **Transplant Proc** 1991 Jun;23(3 Suppl 3):139-42, discussion 142-3 (14 ref.)

GANGLIA

CHEMISTRY

[Purification of nicotinic acetylcholine receptors from brain and ganglion] Nakayama H. **Seikagaku** 1991 Jun; 63(6):424-8 (25 ref.) **(Jpn)**

MICROBIOLOGY

Biological and molecular aspects on herpes simplex virus latency. Lycke E. **Scand J Infect Dis Suppl** 1990;69:113-9 (32 ref.)

PHYSIOLOGY

Catecholaminergic modulation and transmission in sympathetic preganglionic neurons. Nishi S. **Jpn J Physiol** 1990;40(6):775-87 (50 ref.)

GANGLIA, AUTONOMIC

PHYSIOLOGY

On the plasticity of form and structure of enteric ganglia. Gabella G. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S59-66 (11 ref.)

GANGLIA, BASAL see **BASAL GANGLIA**

GANGLIA, PARASYMPATHETIC

ABNORMALITIES

[Surgical treatment of acute forms of Hirschsprung disease and total intestinal aganglionosis in infants] Krasovskaia TV, et al. **Khirurgiia (Mosk)** 1990 Aug;(8):144-9 (75 ref.) **(Rus)**

ANATOMY & HISTOLOGY

Anatomic study of the otic ganglion in humans. Roitman R, et al. **Head Neck** 1990 Nov-Dec;12(6):503-6 (8 ref.)

GANGLIA, SPINAL

BLOOD SUPPLY

Blood supply of nerve roots and dorsal root ganglia. Yoshizawa H, et al. **Orthop Clin North Am** 1991 Apr; 22(2):195-211 (74 ref.)

METABOLISM

Arachidonate release consequent to bradykinin-stimulated phospholipid metabolism in dorsal root ganglion cells. Morell P, et al. **Biochem Soc Trans** 1991 Apr;19(2):411-6 (16 ref.)

GANGLIA, SYMPATHETIC

PHYSIOLOGY

Basal ganglia neuropharmacology and obsessive-compulsive disorder: the obsessive-compulsive disorder hypothesis of basal ganglia dysfunction. Stahl SM. **Psychopharmacol Bull** 1988;24(3):370-4 (28 ref.)

GANGLIONECTOMY

Surgical management of palmar hyperhidrosis. Riolo J, et al. **South Med J** 1990 Oct;83(10):1138-43 (16 ref.)

GANGLIONEUROMA

COMPLICATIONS

Mixed pituitary adenoma and gangliocytoma associated with acromegaly—case report. Asada H, et al. **Neurol Med Chir (Tokyo)** 1990 Aug;30(8):628-32 (23 ref.)

DIAGNOSIS

Surgical treatment of colonic ganglioneuromatosis in neurofibromatosis. Urschel JD, et al. **Can J Surg** 1991 Jun; 34(3):271-6 (25 ref.)

VIP secreting tumours in infancy. A review of radiological appearances. Davies RP, et al. **Pediatr Radiol** 1990; 20(7):504-8 (21 ref.)

[Ganglioneuroma of the neck] Vadalà G, et al. **Minerva Chir** 1990 Oct 15;45(19):1257-60 (6 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

Neural and neuroendocrine phenotype of neuroblastomas, ganglioneuroblastomas, ganglioneuromas and mature versus embryonic human adrenal medullary cells. Trojanowski JQ, et al. **Prog Clin Biol Res** 1991;366:335-41 (4 ref.)

[A case of retroperitoneal ganglioneuroma] Oyama N, et al. **Hinyokika Kiyo** 1991 Apr;37(4):369-72 (18 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

[Growth factors and oncogenes in brain tumors: the model of glioblastoma and medulloblastoma] Frappaz D, et al. **Pediatrie** 1991;46(1):59-64 (29 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Lhermitte-Duclos disease (dysplastic gangliocytoma of the cerebellum). Report of a case and review of the literature. Faillot T, et al. **Acta Neurochir (Wien)** 1990;105(1-2):44-9 (28 ref.)

Surgical treatment of colonic ganglioneuromatosis in neurofibromatosis. Urschel JD, et al. **Can J Surg** 1991 Jun; 34(3):271-6 (25 ref.)

GANGLIONIC BLOCKADERS

THERAPEUTIC USE

[The importance of the blocking of ganglionic N-cholinoreceptors for labor induction] Grudev D, et al. **Akush Ginekol (Sofiia)** 1990;29(5):56-8 (22 ref.) **(Bul)**

GANGLIONIC BLOCKING AGENTS see **GANGLIONIC BLOCKADERS**

GANGLIONIC STIMULANTS

PHARMACOLOGY

Modulation of nicotine receptors by chronic exposure to nicotinic agonists and antagonists. Collins AC, et al. **Ciba Found Symp** 1990;152:68-82; discussion 82-6 (32 ref.)

GANGLIOPLEGIC AGENTS see **GANGLIONIC BLOCKADERS**

GANGLIOSIDES

Gangliosides: the relevance of current research to neurosurgery. Rodden FA, et al. **J Neurosurg** 1991 Apr; 74(4):606-19 (175 ref.)

CHEMISTRY

Application of scattering techniques in the domain of amphiphiles. Corti M, et al. **Adv Colloid Interface Sci** 1990 Aug;32(2-3):151-66 (23 ref.)

IMMUNOLOGY

Motor neuron syndromes and monoclonal IgM antibodies to gangliosides. Steck AJ, et al. **Adv Neurol** 1991;56:421-5 (23 ref.)

Ganglioside antigens in tissue sections of skin, naevi, and melanoma—implications for treatment of melanoma. Hersey P. **Cancer Treat Res** 1991;54:137-51 (48 ref.)

METABOLISM

Relationship between the regulation of membrane enzyme activities by gangliosides and a possible ganglioside segregation in membrane microdomains. Sonnino S, et al. **Indian J Biochem Biophys** 1990 Dec;27(6):353-8 (16 ref.)

Glutamate receptors, protein kinase C translocation, and gangliosides. Vaccarino FM. **Psychopharmacol Bull** 1988; 24(3):403-7 (16 ref.)

PHARMACOLOGY

Protection by natural and semisynthetic gangliosides from Ca2(+)-dependent neurotoxicity caused by excitatory amino acid (EAA) neurotransmitters. Guidotti A, et al. **Adv Exp Med Biol** 1990;268:135-44 (23 ref.)

PHYSIOLOGY

Gangliosides and synaptic transmission. Thomas PD, et al. **Biochim Biophys Acta** 1990 Oct 8;1031(3):277-89 (223 ref.)

Gangliosides, copper ions and angiogenic capacity of adult tissues. Gullino PM, et al. **Cancer Metastasis Rev** 1990 Nov; 9(3):239-51 (68 ref.)

Enhanced cortical maturation: gangliosides in CNS plasticity. Karpiak SE, et al. **Prog Brain Res** 1990;85:299-308; discussion 308-9 (67 ref.)

Gangliosides of T lymphocytes: evidence for a role in T-cell activation. Yuasa H, et al. **Tissue Antigens** 1990 Aug; 36(2):47-56 (81 ref.)

THERAPEUTIC USE

Critical review of gangliosides and thyrotropin-releasing hormone in peripheral neuromuscular diseases. Bradley WG. **Muscle Nerve** 1990 Sep;13(9):833-42 (86 ref.)

GANGLIOSIDOSIS

GENETICS

[Three siblings with type 3 GM1-gangliosidosis—pathophysiology of dystonia and MRI findings] Uyama E, et al. **Rinsho Shinkeigaku** 1990 Aug;30(8):819-27 (19 ref.) (Eng. Abstr.) **(Jpn)**

GANGLIOSIDOSIS, G(M2), TYPE I see **TAY-SACHS DISEASE**

GANGLIOSIDOSIS, G(M2), TYPE II see **SANDHOFF DISEASE**

GANJA see **CANNABIS**

GANSER SYNDROME see **FACTITIOUS DISORDERS**

GARDNER SYNDROME

Familial polyposis coli & Gardner's syndrome. Nannery WM, et al. **N J Med** 1990 Sep;87(9):731-3 (11 ref.)

GENETICS

Lessons from the genetics of colon cancer. Ahnen DJ. **Scand J Gastroenterol Suppl** 1990;175:166-76 (44 ref.)

[Gardner's syndrome. Review of the literature. Report of a familial form] Camuzard JF, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(7):509-13 (39 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Extracolonic manifestations of the familial adenomatous polyposis syndromes. Harned RK, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):481-5 (6 ref.)

GARDNERELLA VAGINALIS

Vaginitis syndromes. Schaeffer AJ. **Semin Urol** 1991 Feb; 9(1):9-14 (15 ref.)

GARLIC

[Clinical and experimental study of garlic in preventing and treating cardiovascular diseases] Cheng W. **Chung Hsi I Chieh Ho Tsa Chih** 1990 Oct;10(10):635-7,

640 (37 ref.) **(Chi)**

[Garlic as phytogenic antilipemic agent. Recent studies with a standardized dry garlic powder substance] Brosche T, et al. **Fortschr Med** 1990 Dec 20;108(36):703–6 (0 ref.) (Eng. Abstr.) **(Ger)**

GARTNER'S DUCTS see **WOLFFIAN DUCT**

GAS GANGRENE

EPIDEMIOLOGY

[Management of gas gangrene in Hungary during 1979–1988 based on data from Public Health Centers] Sere G, et al. **Orv Hetil** 1990 Nov 18;131(46):2543–8 (37 ref.) (Eng. Abstr.) **(Hun)**

ETIOLOGY

[Gas gangrene in childhood—a review] Roloff D. **Padiatr Grenzgeb** 1991;30(3):193–203 (37 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

[Gas gangrene. Clinical considerations, prognosis and therapeutic prospects in our experience] Cristoferi G, et al. **J Chir (Paris)** 1991 May;128(5):243–6 (9 ref.) (Eng. Abstr.) **(Fre)**

GAS POISONING

Chemical warfare—the nerve gases. Baraka A. **Middle East J Anesthesiol** 1991 Feb;11(1):5–23 (4 ref.)

COMPLICATIONS

Bhopal tragedy's health effects. A review of methyl isocyanate toxicity [see comments] Mehta PS, et al. **JAMA** 1990 Dec 5;264(21):2781–7 (101 ref.) Comment in: JAMA 1990 Dec 5;264(21):2795–6.

GASES

[Digestive gas: pathophysiology and therapeutic approach in functional bowel disorders] Cloarec D, et al. **Gastroenterol Clin Biol** 1990;14(8–9):641–50 (120 ref.) **(Fre)**

ADVERSE EFFECTS

[Anesthetic gases, the ozone layer and the greenhouse effect. How harmful are the anesthetic emissions for the global environment?] Dale O, et al. **Tidsskr Nor Laegeforen** 1991 Jun 30;111(17):2115–7 (15 ref.) (Eng. Abstr.) **(Nor)**

ANALYSIS

Importance of exposure to gaseous and particulate phase components of tobacco smoke in active and passive smokers. Scherer G, et al. **Int Arch Occup Environ Health** 1990;62(6):459–66 (39 ref.)

Membrane inlet mass spectrometry: a universal monitor for dissolved gases in microbial physiology. Cox RP, et al. **Microbiol Sci** 1984 Nov;1(8):200–3 (17 ref.)

METABOLISM

Perfluorochemicals for gas transport and improvement of cell cultures. King AT, et al. **Adv Exp Med Biol** 1990; 277:283–90 (33 ref.)

Gas exchange in the fish swimbladder. Scheid P, et al. **Adv Exp Med Biol** 1990;277:735–42 (17 ref.)

[Gas exchange between mother and child in physiological and pathological conditions] Künzel W. **Klin Anasthesiol Intensivther** 1989;37:20–35 (28 ref.) **(Ger)**

TOXICITY

[Analysis of methodological approach to the evaluation of toxicity of complex mixtures of relatively constant composition used in industry (review of the literature)] Blinova EA. **Gig Tr Prof Zabol** 1990;(7):39–42 (53 ref.) (Eng. Abstr.) **(Rus)**

GASOLINE

TOXICITY

Dangerous properties of petroleum-refining products: carcinogenicity of motor fuels (gasoline) [published erratum appears in Teratogenesis Carcinog Mutagen 1991;11(1):63] Mehlman MA. **Teratogenesis Carcinog Mutagen** 1990; 10(5):399–408 (31 ref.)

GASSERIAN GANGLION see **TRIGEMINAL GANGLION**

GASSER'S SYNDROME see **HEMOLYTIC-UREMIC SYNDROME**

GASTRECTOMY

see related
POSTGASTRECTOMY SYNDROMES

Zollinger-Ellison syndrome. A new look at regression of gastrinomas. Delcore R, et al. **Arch Surg** 1991 May; 126(5):556–8 (21 ref.)

[Disruption of gastric emptying after vagotomy and resection in the early postoperative period] Podil'chak MD, et al. **Vestn Khir** 1990 Dec;145(12):99–101 (29 ref.) **(Rus)**

ADVERSE EFFECTS

Risk of gastric cancer after gastric surgery for benign disorders. Stalnikowicz R, et al. **Arch Intern Med** 1990 Oct; 150(10):2022–6 (63 ref.)

Alkaline reflux gastritis. Burden WR, et al. **Surg Clin North Am** 1991 Feb;71(1):33–44 (38 ref.)

[Postoperative reflux gastritis] Riabtsev VG, et al. **Klin Med (Mosk)** 1990 Sep;68(9):22–7 (74 ref.) **(Rus)**

[Detection of susceptibility to dumping syndrome] Akimov VP. **Vestn Khir** 1990 Aug;145(8):143–5 (42 ref.) **(Rus)**

METHODS

[Total gastrectomy versus subtotal gastrectomy in the surgical treatment of stage II and III gastric cancer. Preliminary results] Cucchiara G, et al. **G Chir** 1988 Mar–Apr;9(3–4):241–7 (31 ref.) (Eng. Abstr.) **(Ita)**

[Surgical tactics in bleeding duodenal ulcers] Khachiev LG, et al. **Khirurgiia (Mosk)** 1990 Jul;(7):32–6 (50 ref.) (Eng. Abstr.) **(Rus)**

STATISTICS & NUMERICAL DATA

The risk of large bowel cancer after partial gastrectomy for benign ulcer disease. Lundegårdh G, et al. **Ann Surg** 1990 Dec;212(6):714–9 (32 ref.)

[Cancer of the stomach: indications and limits of reductive and palliative surgery] Fegiz G, et al. **G Chir** 1988 Sep; 9(9):565–72 (20 ref.) (Eng. Abstr.) **(Ita)**

GASTRIC ACID

see related
ACHLORHYDRIA

METABOLISM

Esophageal epithelial defense against acid injury. Orlando RC. **J Clin Gastroenterol** 1991;13 Suppl 2:S1–5 (29 ref.)

PHYSIOLOGY

[Physiologic and pathologic age related changes in the stomach] Rösch W. **Fortschr Med** 1990 Nov 30; 108(34):643–6 (14 ref.) (Eng. Abstr.) **(Ger)**

SECRETION

Role of acid suppressants in patients with Zollinger–Ellison syndrome. Maton PN. **Aliment Pharmacol Ther** 1991;5 Suppl 1:25–35 (44 ref.)

Degrees of acid suppression and ulcer healing: dosage considerations. Pounder RE. **Aliment Pharmacol Ther** 1991; 5 Suppl 1:5–13 (35 ref.)

Acid secretory changes and early relapse following duodenal ulcer healing with ranitidine or sucralfate. Marks IN, et al. **Am J Med** 1991 Aug 8;91(2A):95S–101S (35 ref.)

The gastropulmonary route of infection—fact or fiction? Tryba M. **Am J Med** 1991 Aug 8;91(2A):135S–146S (65 ref.)

The therapeutic control of acid secretion in gastric ulcer: a critical appraisal [editorial] Savarino V, et al. **Biomed Pharmacother** 1990;44(8):395–7 (18 ref.)

Inhibition of gastric acid secretion by cholinergic stimulation of the lateral hypothalamic area. Gontijo JA, et al. **Braz J Med Biol Res** 1990;23(3–4):361–5 (20 ref.)

Role of gastrin as a trophic hormone. Walsh JH. **Digestion** 1990;47 Suppl 1:11–6; discussion 49–52 (14 ref.)

Gastrin–histamine sequence in the regulation of gastric acid secretion. Waldum HL, et al. **Gut** 1991 Jun;32(6):698–701 (61 ref.)

Acid secretion and acid suppression in pathogenesis and healing of peptic ulcer disease. Thomson AB. **Hepatogastroenterology** 1990 Jul;37 Suppl 1:18–28 (144 ref.)

Determinants of acid secretion. Khanna MU, et al. **J Assoc Physicians India** 1990 Sep;38 Suppl 1:727–30 (40 ref.)

Non-acid mechanisms of gastric and duodenal ulcer formation. Bynum TE. **J Clin Gastroenterol** 1991;13 Suppl 2:S56–64 (114 ref.)

Effect of omeprazole on gastric acid secretion and plasma gastrin. Olbe L, et al. **J Gastroenterol Hepatol** 1989;4 Suppl 2:19–25 (23 ref.)

Inhibitors of gastric acid secretion. Bays DE, et al. **Nat Prod Rep** 1990 Oct;7(5):409–45 (264 ref.)

Gastrin–histamine interactions: direct and paracrine elements. Chuang CN, et al. **Scand J Gastroenterol Suppl** 1991; 180:95–103 (36 ref.)

Histamine-producing cells in the stomach and their role in the regulation of acid secretion. Håkanson R, et al. **Scand J Gastroenterol Suppl** 1991;180:88–94 (21 ref.)

Aspects of the role of prostaglandins in gastrin histamine regulation of gastric acid secretion. Halter F, et al. **Scand J Gastroenterol Suppl** 1991;180:113–7 (27 ref.)

Receptors regulating acid secretion. Lewin MJ, et al. **Scand J Gastroenterol Suppl** 1991;180:53–7 (28 ref.)

Secretory abnormalities in functional dyspepsia. Nyrén O. **Scand J Gastroenterol Suppl** 1991;182:25–8 (41 ref.)

Histamine and gastric acid secretion. A review. Obrink KJ. **Scand J Gastroenterol Suppl** 1991;180:4–8 (51 ref.)

Aspects of the regulation of gastric histamine release. Sandvik AK, et al. **Scand J Gastroenterol Suppl** 1991;180:108–12 (33 ref.)

[Gastric acid secretion and histamine H2 receptor antagonists] Gespach C, et al. **Gastroenterol Clin Biol** 1990; 14(12):982–94 (127 ref.) **(Fre)**

[Interaction of motility and secretion of the stomach—pathophysiologic aspects] Müller-Lissner S. **Z Gastroenterol** 1991 Apr;29 Suppl 3:22–3 (11 ref.) (Eng. Abstr.) **(Ger)**

[Central nervous system regulation of gastric acid and duodenal bicarbonate secretion] Lenz HJ. **Z Gastroenterol Verh** 1991 Mar;26:236–40 (62 ref.) **(Ger)**

[Central neurotransmitters and regulation of gastric acid secretion] Osumi Y. **Nippon Yakurigaku Zasshi** 1990 Nov; 96(5):205–16 (83 ref.) (Eng. Abstr.) **(Jpn)**

[Cigarette smoking and pathophysiology of diseases of the digestive system—facts and hypotheses. I. Cigarette smoking and physiology of the digestive system] Nowak A, et al. **Pol Arch Med Wewn** 1990 Mar;83(3):137–42 (33 ref.) **(Pol)**

[24-hour pH monitoring of the upper segment of the gastrointestinal tract] Baniukiewicz A, et al. **Przegl Lek** 1990;47(7):543–5 (0 ref.) **(Pol)**

[Histamine H2 receptor blockaders: possibilities and prognosis in the use of stage III–IV preparations in the therapy of internal diseases] Miagkova LP, et al. **Klin Med (Mosk)** 1991 Mar;69(3):27–34 (53 ref.) **(Rus)**

[Synthetic analog of prostaglandin E2 (enprostil) in the treatment of peptic ulcer] Grigor'ev PIa, et al. **Sov Med** 1991;(3):39–43 (53 ref.) **(Rus)**

GASTRIC ACIDITY DETERMINATION

Twenty-four-hour intragastric acidity. An update. Masoero G, et al. **Dig Dis** 1990;8(6):346–53 (39 ref.)

GASTRIC ANTRUM see **PYLORIC ANTRUM**

GASTRIC BALLOON see **GASTRIC BUBBLE**

GASTRIC BUBBLE

[Gastric balloon and gastroplasty: interventional therapy in morbid obesity] Wechsler JG, et al. **Z Gastroenterol Verh** 1991 Mar;26:260–1 (22 ref.) **(Ger)**

GASTRIC BYPASS

Radiological evaluation of gastric stapling procedures for morbid obesity. Goodman P, et al. **Crit Rev Diagn Imaging** 1991;32(1):37–67 (37 ref.)

METHODS

Partial ileal bypass in the therapy of familial hypercholesterolemia. The POSCH Group. Buchwald H, et al. **Beitr Infusionther** 1988;23:47–60 (8 ref.)

Reoperation for failed gastric bypass procedures for obesity. Mason EE, et al. **Surg Clin North Am** 1991 Feb;71(1):45–56 (13 ref.)

GASTRIC EMPTYING

Gastric emptying in gastroesophageal reflux and the therapeutic role of prokinetic agents. McCallum RW. **Gastroenterol Clin North Am** 1990 Sep;19(3):551–64 (57 ref.)

The influence of volume on gastric emptying and fluid balance during prolonged exercise. Mitchell JB, et al. **Med Sci Sports Exerc** 1991 Mar;23(3):314–9 (36 ref.)

[Disruption of gastric emptying after vagotomy and resection in the early postoperative period] Podil'chak MD, et al. **Vestn Khir** 1990 Dec;145(12):99–101 (29 ref.) **(Rus)**

DRUG EFFECTS

[Gastric evacuation—study methods and the possibilities for drug influence] Iordanova L, et al. **Vutr Boles** 1990; 29(6):20–6 (0 ref.) **(Bul)**

[Pro-kinetic agents. Developments and indications] Layer P. **Z Gastroenterol Verh** 1991 Mar;26:157–8 (19 ref.) **(Ger)**

PHYSIOLOGY

Gastric emptying in human disease states. Chaudhuri TK, et al. **Am J Gastroenterol** 1991 May;86(5):533–8 (61 ref.)

The importance of volume in regulating gastric emptying. Noakes TD, et al. **Med Sci Sports Exerc** 1991 Mar; 23(3):307–13 (36 ref.)

Physiological and pharmacological interventions in radionuclide imaging of the tubular gastrointestinal tract. Datz FL, et al. **Semin Nucl Med** 1991 Apr;21(2):140–52 (61 ref.)

[Emptying of the abomasum in adult ruminants] Malbert CH, et al. **Reprod Nutr Dev** 1991;31(1):1–25 (95 ref.) (Eng. Abstr.) **(Fre)**

[Physiologic and pathologic age related changes in the stomach] Rösch W. **Fortschr Med** 1990 Nov 30; 108(34):643–6 (14 ref.) (Eng. Abstr.) **(Ger)**

[Regulation of motility and secretion by the ileo–cecal region] Layer P. **Z Gastroenterol** 1991 Apr;29 Suppl 3:18–21 (24 ref.) **(Ger)**

[Interaction of motility and secretion of the stomach--pathophysiologic aspects] Müller-Lissner S. **Z Gastroenterol** 1991 Apr;29 Suppl 3:22-3 (11 ref.) (Eng. Abstr.) **(Ger)**

[Nuclear medicine studies of gastrointestinal transit; detection of reflux] Eilles C, et al. **Z Gastroenterol Verh** 1991 Mar; 26:113-6 (23 ref.) **(Ger)**

[Comparison of methods: gastro-duodenal manometry and study of gastric emptying] Stanghellini V, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):125-30 (31 ref.) (Eng. Abstr.) **(Ita)**

[Cigarette smoking and pathophysiology of diseases of the digestive system--facts and hypotheses. I. Cigarette smoking and physiology of the digestive system] Nowak A, et al. **Pol Arch Med Wewn** 1990 Mar;83(3):137-42 (33 ref.) **(Pol)**

[Pyloric sphincter and its role in the regulation of digestive processes] Tutchenko NI, et al. **Klin Khir** 1990;(8):47-50 (54 ref.) **(Rus)**

GASTRIC FISTULA

see related
GASTROSTOMY

DRUG THERAPY

[Possibilities of application of octreotide in surgery. 1)Treatment of gastrointestinal fistulas; 2)Prevention of complications in pancreatic surgery] Büchler M, et al. **Z Gastroenterol** 1990 Sep;28 Suppl 2:41-4 (60 ref.) **(Ger)**

THERAPY

Reoperative versus conservative management for gastrointestinal fistulas. Rubelowsky J, et al. **Surg Clin North Am** 1991 Feb;71(1):147-57 (30 ref.)

GASTRIC FUNDUS

PATHOLOGY

Neuroendocrine cell hyperplasia and neuroendocrine carcinoma of the rodent fundic stomach. Poynter D, et al. **Mutat Res** 1991 Jun;248(2):303-19 (76 ref.)

GASTRIC GLANDS see **GASTRIC MUCOSA**

GASTRIC HYPOTHERMIA see **HYPOTHERMIA, INDUCED**

GASTRIC JUICE

see related
PEPSINOGEN

CHEMISTRY

Gastric juice ascorbic acid: effects of disease and implications for gastric carcinogenesis. Schorah CJ, et al. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):287S-293S (17 ref.)

GASTRIC MUCOSA

Enteric duplication in the oral cavity. Awouters P, et al. **Int J Oral Maxillofac Surg** 1991 Feb;20(1):12-4 (17 ref.)

ANATOMY & HISTOLOGY

Gastric areas (areae gastricae). Drop A. **Ann Univ Mariae Curie Sklodowska [Med]** 1986;41:41-7 (19 ref.)

[Normal lymphoid tissue and primary malignant lymphomas of the gastrointestinal tract] Diebold J. **Ann Gastroenterol Hepatol (Paris)** 1991 Jan-Feb;27(1):31-5 (20 ref.) (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

Gut mucosal ischemia during cardiac surgery. Fiddian-Green RG. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):389-99 (70 ref.)

[Blood flow and the functional status of the mucosa before and after vagotomy] Kuzin NM, et al. **Vestn Khir** 1990 Jun;144(6):145-9 (28 ref.) **(Rus)**

CHEMISTRY

Gastrin-histamine interactions: direct and paracrine elements. Chuang CN, et al. **Scand J Gastroenterol Suppl** 1991; 180:95-103 (36 ref.)

The gastrin receptor assay. Kleveland PM, et al. **Scand J Gastroenterol Suppl** 1991;180:62-9 (59 ref.)

CYTOLOGY

Role of polyamines in gastrointestinal mucosal growth [editorial] McCormack SA, et al. **Am J Physiol** 1991 Jun; 260(6 Pt 1):G795-806 (159 ref.)

Histamine-producing cells in the stomach and their role in the regulation of acid secretion. Håkanson R, et al. **Scand J Gastroenterol Suppl** 1991;180:88-94 (21 ref.)

Trophic effects of gastrin and cholecystokinin. Håkanson R, et al. **Z Gastroenterol Verh** 1991 Mar;26:265-9 (74 ref.)

DRUG EFFECTS

Mechanisms of gastroduodenal protection by sucralfate. Rees WD. **Am J Med** 1991 Aug 8;91(2A):58S-63S (53 ref.)

Mechanisms of NSAID-induced gastroenteropathy. Price AH, et al. **Drugs** 1990;40 Suppl 3:1-11 (59 ref.)

Trophic effect of histamine on the stomach. Waldum HL, et al. **Scand J Gastroenterol Suppl** 1991;180:137-42 (38 ref.)

Gastroduodenal mucosal damage with salsalate versus aspirin: results of experimental models and endoscopic studies in humans. Scheiman JM, et al. **Semin Arthritis Rheum** 1990 Oct;20(2):121-7 (38 ref.)

Gastric mucosal injury induced by nonsteroidal anti-inflammatory drugs. Holt S, et al. **South Med J** 1991 Mar;84(3):355-60 (45 ref.)

[Effect of non-steroidal anti-inflammatory drugs on the stomach] Svintsitskii AS. **Klin Med (Mosk)** 1990 Sep; 68(9):18-22 (53 ref.) **(Rus)**

[Synthetic analog of prostaglandin E2 (enprostil) in the treatment of peptic ulcer] Grigor'ev PIa, et al. **Sov Med** 1991;(3):39-43 (53 ref.) **(Rus)**

ENZYMOLOGY

[Cathepsin D from human prostate] Chiang L, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):159-63 (20 ref.) **(Spa)**

INNERVATION

[Central nervous system regulation of gastric acid and duodenal bicarbonate secretion] Lenz HJ. **Z Gastroenterol Verh** 1991 Mar;26:236-40 (62 ref.) **(Ger)**

[Reinnervation of the stomach after vagotomy as a factor in ulcer recurrence] Filipovich NE, et al. **Khirurgiia (Mosk)** 1990 Dec;(12):146-51 (88 ref.) **(Rus)**

METABOLISM

Gastrointestinal metabolism of contraceptive steroids. Back DJ, et al. **Am J Obstet Gynecol** 1990 Dec;163(6 Pt 2):2138-45 (21 ref.)

Gastrointestinal mucosal injury in experimental models of shock, trauma, and sepsis. Fink MP. **Crit Care Med** 1991 May;19(5):627-41 (159 ref.)

[Mucus-bicarbonate barrier] Xu GY. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):47-50 (40 ref.) **(Chi)**

[Dynamics of morphological and biochemical changes in the gastric mucosa in rats during tumor induction] Vol'fson NI, et al. **Vopr Onkol** 1990;36(11):1287-92 (52 ref.) **(Rus)**

PATHOLOGY

Foregut duplication arising from the pharynx. Frenkiel S, et al. **J Otolaryngol** 1990 Aug;19(4):279-81 (20 ref.)

[A case of gastric cancer (IIb) on the submucosal tumor (leiomyoma) of the stomach] Soejima H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Nov; 87(11):2526-30 (15 ref.) **(Jpn)**

[Gastric mucosal erosions] Kula Z, et al. **Pol Tyg Lek** 1990 Aug 20-27;45(34-35):712-5 (69 ref.) **(Pol)**

[Dynamics of morphological and biochemical changes in the gastric mucosa in rats during tumor induction] Vol'fson NI, et al. **Vopr Onkol** 1990;36(11):1287-92 (52 ref.) **(Rus)**

[Structural changes in the gastric mucosa of patients with rheumatic diseases (a review of the literature)] Svinitskii AS, et al. **Vrach Delo** 1990 Jul;(7):41-5 (49 ref.) **(Rus)**

PHYSIOLOGY

Mechanisms of gastric mucosal injury and protection. Szabo S. **J Clin Gastroenterol** 1991;13 Suppl 2:S21-34 (73 ref.)

Biologically active peptides in the gastrointestinal lumen. Rao RK. **Life Sci** 1991;48(18):1685-704 (153 ref.)

PHYSIOPATHOLOGY

Review article: stomach wars--a mucosal defense initiative. Matthews JB, et al. **Aliment Pharmacol Ther** 1991 Apr; 5(2):105-14 (46 ref.)

Stress-related mucosal damage: review of drug therapy. Vorder Bruegge WF, et al. **J Clin Gastroenterol** 1990;12 Suppl 2:S35-40 (26 ref.)

SECRETION

Inhibitors of gastric acid secretion. Bays DE, et al. **Nat Prod Rep** 1990 Oct;7(5):409-45 (264 ref.)

Aspects of the regulation of gastric histamine release. Sandvik AK, et al. **Scand J Gastroenterol Suppl** 1991;180:108-12 (33 ref.)

[Gastric acid secretion and histamine H2 receptor antagonists] Gespach C, et al. **Gastroenterol Clin Biol** 1990; 14(12):982-94 (127 ref.) **(Fre)**

[24-hour pH monitoring of the upper segment of the gastrointestinal tract] Baniukiewicz A, et al. **Przegl Lek** 1990;47(7):543-5 (0 ref.) **(Pol)**

GASTRIC PARIETAL CELLS see **PARIETAL CELLS, GASTRIC**

GASTRIC VARICES see **ESOPHAGEAL AND GASTRIC VARICES**

GASTRIN-PRODUCING TUMOR see **GASTRINOMA**

GASTRIN RECEPTORS see **RECEPTORS, CHOLECYSTOKININ**

GASTRINOMA

Gastrinoma in multiple endocrine neoplasia type 1. Lamers CB. **Acta Oncol** 1991;30(4):489-92 (35 ref.)

Recent advances in carcinoids and gastrointestinal neuroendocrine tumors. Basser RL, et al. **Curr Opin Oncol** 1991 Feb;3(1):109-20 (117 ref.)

[Neuroendocrine tumors of the pancreas and gastrointestinal tract] Höring E, et al. **Dtsch Med Wochenschr** 1991 Aug 2;116(31-32):1197-202 (35 ref.) **(Ger)**

PHYSIOPATHOLOGY

Zollinger-Ellison syndrome. A new look at regression of gastrinomas. Delcore R, et al. **Arch Surg** 1991 May; 126(5):556-8 (21 ref.)

GASTRINS

BLOOD

Omeprazole. Gastrin and gastric endocrine cell data from clinical studies. Berlin RG. **Dig Dis Sci** 1991 Feb; 36(2):129-36 (73 ref.)

Gastrin and gastric enterochromaffin-like cell carcinoids in the rat. Carlsson E, et al. **Digestion** 1990;47 Suppl 1:17-23; discussion 49-52 (16 ref.)

Effect of omeprazole on gastric acid secretion and plasma gastrin. Olbe L, et al. **J Gastroenterol Hepatol** 1989;4 Suppl 2:19-25 (23 ref.)

Is hypergastrinaemia dangerous to man? Creutzfeldt W, et al. **Scand J Gastroenterol Suppl** 1991;180:179-91 (51 ref.)

Is hypergastrinaemia dangerous for man? Wormsley KG. **Scand J Gastroenterol Suppl** 1991;180:174-8 (61 ref.)

METABOLISM

Progastrin in pancreas and the Zollinger-Ellison syndrome. Bardram L. **Scand J Gastroenterol** 1990 Dec;25(12):1185-95 (116 ref.)

PHYSIOLOGY

Role of gastrin as a trophic hormone. Walsh JH. **Digestion** 1990;47 Suppl 1:11-6; discussion 49-52 (14 ref.)

Proposed mechanism of induction of gastric carcinoids: the gastrin hypothesis. Håkanson R, et al. **Eur J Clin Invest** 1990 Oct;20 Suppl 1:S65-71 (54 ref.)

Gastrin-histamine sequence in the regulation of gastric acid secretion. Waldum HL, et al. **Gut** 1991 Jun;32(6):698-701 (61 ref.)

The gastrin hypothesis. Implications for antisecretory drug selection. Karnes WE Jr, et al. **J Clin Gastroenterol** 1990; 12 Suppl 2:S7-12 (70 ref.)

Gastrin-histamine interactions: direct and paracrine elements. Chuang CN, et al. **Scand J Gastroenterol Suppl** 1991; 180:95-103 (36 ref.)

Aspects of the role of prostaglandins in gastrin histamine regulation of gastric acid secretion. Halter F, et al. **Scand J Gastroenterol Suppl** 1991;180:113-7 (27 ref.)

The gastrin receptor assay. Kleveland PM, et al. **Scand J Gastroenterol Suppl** 1991;180:62-9 (59 ref.)

Trophic effects of gastrin and cholecystokinin. Håkanson R, et al. **Z Gastroenterol Verh** 1991 Mar;26:265-9 (74 ref.)

[Physiological control mechanism of gastrointestinal motility] Fujii K. **Nippon Heikatsukin Gakkai Zasshi** 1990 Apr; 26(2):93-106 (39 ref.) **(Jpn)**

SECRETION

[Gastrin, insulin and glucagon secretion after cimetidine and sodium hydrocarbonate intake in patients with duodenal ulcer] Valenkevich LN, et al. **Klin Med (Mosk)** 1991 Mar; 69(3):91-3 (22 ref.) (Eng. Abstr.) **(Rus)**

[Modification of gastrin and somatostatin cells in the gastric antrum in experimental diabetes] Sanz Esponera J. **An R Acad Nac Med (Madr)** 1990;107(2):275-84 (23 ref.) **(Spa)**

GASTRITIS

Stress erosive gastritis. Miller TA, et al. **Curr Probl Surg** 1991 Jul;28(7):453-509 (118 ref.)

Emphysematous gastritis: case report and review. Moosvi AR, et al. **Rev Infect Dis** 1990 Sep-Oct;12(5):848-55 (32 ref.)

Chronic gastritis. Jamieson JR, et al. **Surg Annu** 1991;23 Pt 2:13-29 (87 ref.)

Stress gastritis revisited. Durham RM, et al. **Surg Clin North Am** 1991 Aug;71(4):791-810 (136 ref.)

CHEMICALLY INDUCED

[Effect of non-steroidal anti-inflammatory drugs on the stomach] Svintsitskii AS. **Klin Med (Mosk)** 1990 Sep; 68(9):18-22 (53 ref.) **(Rus)**

CLASSIFICATION

[Gastritis C, non-A non-B and the Sydney system: European unification or tower of Babel?] Offerhaus GJ.

Ned Tijdschr Geneeskd 1991 Apr 6;135(14):596–9 (30 ref.) (Eng. Abstr.) **(Dut)**

COMPLICATIONS

Risk of gastroduodenal ulcer in gastritis. Sipponen P. **Mater Med Pol** 1990 Apr–Jun;22(2):105–7 (26 ref.)

Is gastroduodenitis a cause of chronic dyspepsia? Tytgat GN, et al. **Scand J Gastroenterol Suppl** 1991;182:33–9 (55 ref.)

DIAGNOSIS

[Chronic gastritis in childhood (editorial)] Varea Calderón V. **An Esp Pediatr** 1991 Apr;34(4):259–64 (37 ref.) **(Spa)**

EPIDEMIOLOGY

[Epidemiology and diagnosis of Helicobacter pylori infection] Kist M. **Z Gastroenterol Verh** 1991 Mar;26:286–9 (25 ref.) **(Ger)**

ETIOLOGY

Helicobacter pylori: review of research findings. Dooley CP. **Aliment Pharmacol Ther** 1991;5 Suppl 1:129–43 (105 ref.)

Alkaline reflux gastritis. Burden WR, et al. **Surg Clin North Am** 1991 Feb;71(1):33–44 (38 ref.)

[Chronic gastritis. Pathogenesis, clinical aspects and therapy] Schaub N, et al. **Schweiz Med Wochenschr** 1990 Sep 22; 120(38):1369–84 (169 ref.) (Eng. Abstr.) **(Ger)**

[Gastric mucosal erosions] Kula Z, et al. **Pol Tyg Lek** 1990 Aug 20–27;45(34–35):712–5 (69 ref.) **(Pol)**

[Helicobacter (Campylobacter) pylori in the etiology and pathogenesis of gastritis and peptic ulcer] Aruin LI. **Arkh Patol** 1990;52(10):3–8 (37 ref.) (Eng. Abstr.) **(Rus)**

[Postoperative reflux gastritis] Riabtsev VG, et al. **Klin Med (Mosk)** 1990 Sep;68(9):22–7 (74 ref.) **(Rus)**

[The role of Campylobacter pylori in lesions of the upper segments of the digestive tract in children] Shcherbakov PL. **Pediatriia** 1990;(8):99–105 (98 ref.) **(Rus)**

MICROBIOLOGY

Helicobacter pylori: aggressor or innocent bystander? Clearfield HR. **Med Clin North Am** 1991 Jul;75(4):815–29 (76 ref.)

Helicobacter pylori: fact or fiction? Korman MG. **Scand J Gastroenterol Suppl** 1990;175:159–65 (46 ref.)

[Human chronic gastritis associated with non–Helicobacter pylori spiral organisms (Gastrospirillum hominis). Four cases and review of the literature] Fléjou JF, et al. **Gastroenterol Clin Biol** 1990;14(11):806–10 (24 ref.) (Eng. Abstr.) **(Fre)**

[Helicobacter pylori and gastroduodenal pathology. Second part: Clinical aspects and therapy] Sobhani I, et al. **Gastroenterol Clin Biol** 1991;15(5):412–20 (99 ref.) **(Fre)**

[Helicobacter pylori infection: a facilitator of stomach cancer?] Cooreman MP, et al. **Z Gastroenterol Verh** 1991 Mar;26:284–6 (30 ref.) **(Ger)**

[Virulence factors of Helicobacter pylori and pathomechanisms of mucosal damage] Raedsch R. **Z Gastroenterol Verh** 1991 Mar;26:281–2 (14 ref.) **(Ger)**

[Helicobacter pylori in patho– and morphogenesis of chronic gastritis and peptic ulcer] Zaĭtseva KK. **Arkh Patol** 1991; 53(2):72–5 (57 ref.) (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Clinical significance of peptic erosions] Wolff G. **Z Arztl Fortbild (Jena)** 1991 Jun 10;85(11):507–9 (27 ref.) **(Ger)**

[Eosinophilic gastritis. Clinico–pathologic considerations on a case and review of the literature] Villanacci V, et al. **Minerva Med** 1990 Oct;81(10):735–40 (32 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

[Physiologic and pathologic age related changes in the stomach] Rösch W. **Fortschr Med** 1990 Nov 30; 108(34):643–6 (14 ref.) (Eng. Abstr.) **(Ger)**

GASTRITIS, ATROPHIC

COMPLICATIONS

[Chronic atrophic gastritis and the risk of cancer] Gabrielli F, et al. **Minerva Chir** 1990 Oct 15;45(19):1205–16 (69 ref.) (Eng. Abstr.) **(Ita)**

[Gastric carcinoid polyp and type A atrophic gastritis] Vareal E, et al. **An Med Interna** 1989 May;6(5):249–51 (13 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Gastric areas (areae gastricae). Drop A. **Ann Univ Mariae Curie Sklodowska [Med]** 1986;41:41–7 (19 ref.)

GASTRITIS, HYPERTROPHIC

COMPLICATIONS

Early gastric cancer arising from localized Ménétrier's disease. Hsu CT, et al. **Gastroenterol Jpn** 1991 Apr; 26(2):213–7 (24 ref.)

RADIOGRAPHY

[Menetrier's disease in children: report of 3 cases and review of the literature] Kawakami E, et al. **Arq Gastroenterol** 1990 Jan–Mar;27(1):33–40 (37 ref.) (Eng. Abstr.) **(Por)**

GASTROCOELE see **GASTRULA**

GASTRODUODENAL ULCER see **PEPTIC ULCER**

GASTROENTERITIS

Viral gastroenteritis. Blacklow NR, et al. **N Engl J Med** 1991 Jul 25;325(4):252–64 (196 ref.)

Guides for record review. Acute gastroenteritis. **Pediatr Rev** 1991;Suppl:1–8 (20 ref.)

DIAGNOSIS

Bacterial and protozoal gastroenteritis. Guerrant RL, et al. **N Engl J Med** 1991 Aug 1;325(5):327–40 (228 ref.)

DRUG THERAPY

Antibiotic treatment of bacterial gastroenteritis. Ashkenazi S, et al. **Pediatr Infect Dis J** 1991 Feb;10(2):140–8 (107 ref.)

EPIDEMIOLOGY

Gastrointestinal infections in Singapore children. Quak SH. **Ann Acad Med Singapore** 1991 Mar;20(2):265–8 (21 ref.)

Survival and vehicular spread of human rotaviruses: possible relation to seasonality of outbreaks. Ansari SA, et al. **Rev Infect Dis** 1991 May–Jun;13(3):448–61 (202 ref.)

ETIOLOGY

Castor bean intoxication. Challoner KR, et al. **Ann Emerg Med** 1990 Oct;19(10):1177–83 (35 ref.)

MICROBIOLOGY

Inflammatory products of commensal bacteria and gastro–intestinal disorders. Chadwick VS, et al. **Dig Dis** 1990;8(5):253–68 (59 ref.)

Infectious diarrhoea. Conlon CP, et al. **Int J Colorectal Dis** 1990 Dec;5(4):236–40 (47 ref.)

Aeromonads and their significance as potential pathogens in water. Schubert RH. **Soc Appl Bacteriol Symp Ser** 1991; 20:131S–135S (22 ref.)

[Salmonella gastroenteritis: causes, sequelae, therapeutic perspectives] Desgrandchamps D, et al. **Schweiz Med Wochenschr** 1990 Nov 24;120(47):1751–4 (45 ref.) (Eng. Abstr.) **(Ger)**

[Molecular mechanisms of invasion and virulence in strains of the mesophilic aeromonas group isolated from human beings] Reina J. **Enferm Infecc Microbiol Clin** 1991 Feb; 9(2):106–10 (43 ref.) **(Spa)**

PREVENTION & CONTROL

Is there a role for lactobacilli in prevention of urogenital and intestinal infections? Reid G, et al. **Clin Microbiol Rev** 1990 Oct;3(4):335–44 (133 ref.)

RADIOGRAPHY

[Eosinophilic gastroenteritis. Apropos of a case] Briant JF, et al. **J Radiol** 1991 Mar;72(3):177–81 (11 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Management of infantile gastroenteritis. Walker–Smith JA. **Arch Dis Child** 1990 Sep;65(9):917–8 (14 ref.)

GASTROENTERITIS VIRUS OF SWINE

ISOLATION & PURIFICATION

Background paper. The appearance of the porcine respiratory coronavirus has created new problems and perspectives. Pensaert M. **Adv Exp Med Biol** 1990;276:419–20 (0 ref.)

GASTROENTEROLOGY

see related

GASTROINTESTINAL DISEASES

Undergraduate teaching project of the American gastroenterological Association: a pathophysiology resource. Hofmann AF, et al. **Am J Physiol** 1991 Jun;260(6 Pt 3):S1–5 (1 ref.)

AIDS and the gastroenterologist. Cello JP. **Scand J Gastroenterol Suppl** 1990;175:146–58 (34 ref.)

[Disorders of the innervation of the large intestine––classification and diagnosis. Results of a consensus conference of the Society of Gastroenteropathology 1 December 1990 in Frankfurt/Main] Borchard F, et al. **Pathologe** 1991 May; 12(3):171–4 (10 ref.) **(Ger)**

METHODS

[Molecular biology in gastroenterology. 1. Genes and DNA recombinant techniques] González L, et al. **Rev Gastroenterol Mex** 1990 Apr–Jun;55(2):91–100 (9 ref.) **(Spa)**

TRENDS

Frontiers in gastroenterology: new clinical and research opportunities. Schreiber JB, et al. **Md Med J** 1991 Mar; 40(3):205–8 (18 ref.)

Gastroenterology. O'Donnell LJ, et al. **Postgrad Med J** 1990 Jun;66(776):419–34 (105 ref.)

Recent advances in gastroenterology. Feller ER. **R I Med J** 1990 Nov;73(11):527–32 (26 ref.)

GASTROESOPHAGEAL REFLUX

Pediatric gastroesophageal reflux disease. Sutphen JL. **Gastroenterol Clin North Am** 1990 Sep;19(3):617–29 (86 ref.)

Gastroesophageal reflux: clinical diagnosis, current therapy, future trends. Decktor DL, et al. **Hepatogastroenterology** 1990 Jul;37 Suppl 1:11–7 (90 ref.)

Gastroesophageal reflux disease: an update on management. Hogan WJ. **J Clin Gastroenterol** 1990;12 Suppl 2:S21–8 (22 ref.)

Gastroesophageal reflux disease. Gelfand MD. **Med Clin North Am** 1991 Jul;75(4):923–40 (120 ref.)

[Gastroesophageal reflux and peptic esophagitis] Bianchi Porro G, et al. **Medicina (Firenze)** 1990 Jul–Sep; 10(3):243–50 (41 ref.) (Eng. Abstr.) **(Ita)**

[Gastroesophageal reflux and esophagitis (I). Physiopathology, diagnosis, surgical implications] Navarro Pomares A. **Rev Esp Enferm Dig** 1991 May;79(5):351–4 (52 ref.) **(Spa)**

[Gastroesophageal reflux––theory and practice] Johnsson F. **Lakartidningen** 1991 Mar 27;88(13):1177–81 (50 ref.) **(Swe)**

COMPLICATIONS

Otolaryngologic manifestations of gastroesophageal reflux. Gaynor EB. **Am J Gastroenterol** 1991 Jul;86(7):801–8 (69 ref.)

Reflux vomiting [see comments] Milla PJ. **Arch Dis Child** 1990 Sep;65(9):996–9 (26 ref.) Comment in: Arch Dis Child 1991 Mar;66(3):369–70.

Gastro–oesophageal reflux and the lung. Simpson H, et al. **Arch Dis Child** 1991 Mar;66(3):277–9 (23 ref.)

Gastroesophageal reflux and upper airway diseases. Bernard F, et al. **Clin Rev Allergy** 1990 Winter;8(4):403–25 (115 ref.)

The relationship between gastroesophageal reflux and chronic respiratory diseases. de Blic J, et al. **Clin Rev Allergy** 1990 Winter;8(4):427–41 (69 ref.)

Interference between gastroesophageal reflux and sleep in near miss SIDS. Gaultier CL. **Clin Rev Allergy** 1990 Winter;8(4):395–401 (27 ref.)

Gastroesophageal reflux and allergy. Molkhou P, et al. **Clin Rev Allergy** 1990 Winter;8(4):363–80 (62 ref.)

Gastroesophageal reflux and chronic respiratory disease in adults. Influence and results of surgical therapy. Perrin–Fayolle M. **Clin Rev Allergy** 1990 Winter; 8(4):457–69 (93 ref.)

Complications of reflux esophagitis and their medical management. Kozarek RA. **Gastroenterol Clin North Am** 1990 Sep;19(3):713–31 (126 ref.)

The spectrum of the symptoms and presentations of gastroesophageal reflux disease. Traube M. **Gastroenterol Clin North Am** 1990 Sep;19(3):609–16 (52 ref.)

Gastroesophageal reflux and diseases of the respiratory tract: a review. Mansfield LE. **J Asthma** 1989;26(5):271–8 (68 ref.)

The otolaryngologic manifestations of gastroesophageal reflux disease (GERD): a clinical investigation of 225 patients using ambulatory 24–hour pH monitoring and an experimental investigation of the role of acid and pepsin in the development of laryngeal injury. Koufman JA. **Laryngoscope** 1991 Apr;101(4 Pt 2 Suppl 53):1–78 (390 ref.)

Gastroesophageal reflux disease as a cause of chest pain. Richter JE. **Med Clin North Am** 1991 Sep;75(5):1065–80 (54 ref.)

[Asthma and gastroesophageal reflux. Outcome of asthma after longterm medical treatment of the reflux] Ojeda Casas JA, et al. **An Esp Pediatr** 1990 Oct;33(4):325–33 (51 ref.) (Eng. Abstr.) **(Spa)**

[Prevalence of acute manifestations of pathologic gastroesophageal reflux] Acevedo A, et al. **Rev Med Chil** 1990 May;118(5):537–42 (11 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Diagnosis of gastroesophageal reflux. Vandenplas Y. **Clin Rev Allergy** 1990 Winter;8(4):443–55 (63 ref.)

Diagnosis and treatment of gastroesophageal reflux disease. Lieberman D. **Compr Ther** 1991 Apr;17(4):43–50 (15 ref.)

Gastroesophageal reflux. Orenstein SR. **Curr Probl Pediatr** 1991 May–Jun;21(5):193–241 (479 ref.)

Esophageal pH monitoring: methodology, indication and interpretation. Vandenplas Y. **Eur J Pediatr Surg** 1991 Apr; 1(2):67–72 (60 ref.)

Ancillary tests in the diagnosis of gastroesophageal reflux disease. Wu WC. **Gastroenterol Clin North Am** 1990 Sep; 19(3):671–82 (41 ref.)

Acid peptic disease in adolescents. How to avoid misdiagnosis and undertreatment. Robinson M. **Postgrad Med** 1991 Aug;90(2):189–90, 195–8 (27 ref.)

[24-hour pH monitoring of the upper segment of the gastrointestinal tract] Baniukiewicz A, et al. **Przegl Lek** 1990;47(7):543–5 (0 ref.) **(Pol)**

[Vomiting] Sierra Salinas C. **An Esp Pediatr** 1990 Nov;33 Suppl 43:168–71 (19 ref.) **(Spa)**

DRUG THERAPY

Rationale for high-dose H2-receptor blockade in the treatment of gastro-oesophageal reflux disease. Castell DO. **Aliment Pharmacol Ther** 1991;5 Suppl 1:59–67 (19 ref.)

Gastric emptying in gastroesophageal reflux and the therapeutic role of prokinetic agents. McCallum RW. **Gastroenterol Clin North Am** 1990 Sep;19(3):551–64 (57 ref.)

The medical management of reflux esophagitis. Role of antacids and acid inhibition. Sontag SJ. **Gastroenterol Clin North Am** 1990 Sep;19(3):683–712 (104 ref.)

EPIDEMIOLOGY

Medical and surgical conditions predisposing to gastroesophageal reflux disease. Day JP, et al. **Gastroenterol Clin North Am** 1990 Sep;19(3):587–607 (91 ref.)

METABOLISM

Esophageal pH monitoring. de Caestecker JS, et al. **Gastroenterol Clin North Am** 1990 Sep;19(3):645–69 (131 ref.)

PHYSIOPATHOLOGY

Interactions, associations, and relationships between the lungs and the esophagus. Mansfield LE. **Clin Rev Allergy** 1990 Winter;8(4):381–94 (36 ref.)

Esophageal mucosal resistance. A factor in esophagitis. Goldstein JL, et al. **Gastroenterol Clin North Am** 1990 Sep; 19(3):565–86 (136 ref.)

Pathophysiology of gastroesophageal reflux. Lower esophageal sphincter dysfunction in gastroesophageal reflux disease. Holloway RH, et al. **Gastroenterol Clin North Am** 1990 Sep;19(3):517–35 (93 ref.)

Esophageal motor activity and acid clearance. Kahrilas PJ. **Gastroenterol Clin North Am** 1990 Sep;19(3):537–50 (32 ref.)

[Interaction of motility and secretion of the stomach--pathophysiologic aspects] Müller-Lissner S. **Z Gastroenterol** 1991 Apr;29 Suppl 3:22–3 (11 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Current concepts of the antireflux barrier. Mittal RK. **Gastroenterol Clin North Am** 1990 Sep;19(3):501–16 (53 ref.)

RADIONUCLIDE IMAGING

[Nuclear medicine studies of gastrointestinal transit; detection of reflux] Eilles C, et al. **Z Gastroenterol Verh** 1991 Mar; 26:113–6 (23 ref.) **(Ger)**

SURGERY

The current management of gastroesophageal reflux. Klingman RR, et al. **Adv Surg** 1991;24:259–91 (54 ref.)

Surgery for gastro-oesophageal reflux [see comments] Kiely EM. **Arch Dis Child** 1990 Dec;65(12):1291–2 (23 ref.) Comment in: Arch Dis Child 1991 Jun;66(6):750.

Antireflux surgery. A surgeon's look. Hill LD, et al. **Gastroenterol Clin North Am** 1990 Sep;19(3):745–75 (39 ref.)

Complications of gastroesophageal antireflux surgery in neurologically impaired versus neurologically normal children. Pearl RH, et al. **J Pediatr Surg** 1990 Nov; 25(11):1169–73 (20 ref.)

Repeat operation for failure of antireflux procedures. Gott JP, et al. **Surg Clin North Am** 1991 Feb;71(1):13–32 (47 ref.)

THERAPY

Rationale and efficacy of conservative therapy for gastroesophageal reflux disease. Kitchin LI, et al. **Arch Intern Med** 1991 Mar;151(3):448–54 (103 ref.)

How to treat gastroesophageal reflux in children. Dupont C, et al. **Clin Rev Allergy** 1990 Winter;8(4):471–87 (98 ref.)

Diagnosis and treatment of gastroesophageal reflux disease. Lieberman D. **Compr Ther** 1991 Apr;17(4):43–50 (15 ref.)

Pathogenesis and management of gastroesophageal reflux disease. Katz PO. **J Clin Gastroenterol** 1991;13 Suppl 2:S6–15 (71 ref.)

[The treatment of gastroesophageal reflux disease] Klinkenberg-Knol EC. **Ned Tijdschr Geneeskd** 1991 Mar 2;135(9):358–61 (32 ref.) **(Dut)**

GASTROILEAL BYPASS see **GASTRIC BYPASS**

GASTROINTESTINAL AGENTS

PHARMACOLOGY

The current status of gastric prokinetic drugs. Schapira M, et al. **Acta Gastroenterol Belg** 1990 Jul-Aug;53(4):446–57 (86 ref.)

POISONING

Diphenoxylate-atropine (Lomotil) overdose in children: an update (report of eight cases and review of the literature). McCarron MM, et al. **Pediatrics** 1991 May;87(5):694–700 (27 ref.)

THERAPEUTIC USE

Review article: a role for gastrointestinal prokinetic agents in the treatment of reflux oesophagitis? Verlinden M. **Aliment Pharmacol Ther** 1989 Apr;3(2):113–31 (109 ref.)

Medical treatment and prevention of peptic ulcer disease. Rogers AI. **Postgrad Med** 1990 Oct;88(5):57–60 (15 ref.)

[Prokinetic drugs in gastroenterology] Galmiche JP, et al. **Gastroenterol Clin Biol** 1991;15(2 (Pt 3)):T7–10 (37 ref.) **(Fre)**

[Medicamentous modification of gastrointestinal motility and secretion] Allescher HD. **Z Gastroenterol** 1991 Apr;29 Suppl 3:27–30 (34 ref.) (Eng. Abstr.) **(Ger)**

GASTROINTESTINAL CONTENTS

The importance of volume in regulating gastric emptying. Noakes TD, et al. **Med Sci Sports Exerc** 1991 Mar; 23(3):307–13 (36 ref.)

GASTROINTESTINAL DISEASES

Update: gastroenterology and hepatology. Camara DS, et al. **Compr Ther** 1991 Apr;17(4):22–30 (33 ref.)

The gastrointestinal tract in pernicious anemia. Loffeld BC, et al. **Dig Dis** 1991;9(2):70–7 (49 ref.)

[Infant colic] Jordán NB, et al. **Bol Asoc Med P R** 1990 Jul; 82(7):302–6 (28 ref.) (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Developing nonsteroidal anti-inflammatory drugs (NSAIDs) with decreased gastrointestinal (GI) toxicity. Goldlust B, et al. **Agents Actions Suppl** 1991;32:27–31 (13 ref.)

Mechanisms of NSAID-induced gastroenteropathy. Price AH, et al. **Drugs** 1990;40 Suppl 5:1–11 (59 ref.)

Gastric mucosal injury induced by nonsteroidal anti-inflammatory drugs. Holt S, et al. **South Med J** 1991 Mar;84(3):355–60 (45 ref.)

[Digestive complications of non-steroidal anti-inflammatory drugs] Colin R. **Schweiz Med Wochenschr** 1991 May 18; 121(20):716–21 (49 ref.) (Eng. Abstr.) **(Ger)**

[NSAID causes ulcer and other gastrointestinal disorders] Axelson J. **Lakartidningen** 1991 Apr 3;88(14):1286–9 (94 ref.) **(Swe)**

COMPLICATIONS

Review article: treatment of the gastrointestinal manifestations of AIDS. Gazzard BG. **Aliment Pharmacol Ther** 1990 Aug;4(4):317–24 (38 ref.)

Human immunodeficiency virus and the gastrointestinal tract. Griffin GE. **Baillieres Clin Gastroenterol** 1990 Mar; 4(1):119–34 (46 ref.)

Gastrointestinal disorders and rheumatic diseases. Parke AL. **Curr Opin Rheumatol** 1991 Feb;3(1):160–5 (41 ref.)

AIDS and the gastroenterologist. Smallwood RA. **J Gastroenterol Hepatol** 1989 Nov-Dec;4(6):547–61 (96 ref.)

AIDS and the gastroenterologist. Cello JP. **Scand J Gastroenterol Suppl** 1990;175:146–58 (34 ref.)

[Gastrointestinal manifestations of AIDS. 2: Bacterial and vhparasitic infections, malignant tumors] Prüfer-Krämer L, et al. **Fortschr Med** 1991 Mar 20;109(8):179–82 (40 ref.) (Eng. Abstr.) **(Ger)**

[Frequency of pathological changes of the upper gastrointestinal tract in patients awaiting heart surgery] Konermann M, et al. **Klin Wochenschr** 1990 Nov 9; 68(21):1059–65 (27 ref.) (Eng. Abstr.) **(Ger)**

[Manifestations of AIDS in the gastrointestinal tract] Heise W, et al. **Leber Magen Darm** 1991 Jan;21(1):9–14 (19 ref.) (Eng. Abstr.) **(Ger)**

[The risk of colorectal cancer in patients with organic pathology of the gastrointestinal tract] Volkov DP. **Vopr Onkol** 1991;37(1):3–10 (70 ref.) **(Rus)**

DIAGNOSIS

Advances in contrast-enhanced MR imaging. Gastrointestinal contrast agents. Hahn PF. **AJR Am J Roentgenol** 1991 Feb;156(2):252–4 (19 ref.)

The role of fibre optics in gastroenterology. Hope AH, et al. **Aust Fam Physician** 1990 Nov;19(11):1699–701, 1704–6, 1709, passim (15 ref.)

AIDS: practising safe endoscopy. Hanson PJ. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):477–94 (82 ref.)

Gastrointestinal and other vulnerabilities for geriatric globetrotters. Gordon ME. **Clin Geriatr Med** 1991 May; 7(2):321–30 (18 ref.)

Gastrointestinal cytology. Geisinger KR, et al. **Clin Lab Med** 1991 Jun;11(2):403–41 (122 ref.)

Contrast material for computed tomography and magnetic resonance imaging of the gastrointestinal tract. Hamm B, et al. **Curr Opin Radiol** 1991 Jun;3(3):474–82 (35 ref.)

Magnetic resonance imaging of the alimentary tube. Werthmuller WC, et al. **Invest Radiol** 1991 Feb; 26(2):195–200 (27 ref.)

Advanced assessment of the abdomen and gastrointestinal problems. O'Toole MT. **Nurs Clin North Am** 1990 Dec; 25(4):771–6 (8 ref.)

Megacystis-microcolon-intestinal hypoperistalsis syndrome in two male siblings. Garber A, et al. **Prenat Diagn** 1990 Jun;10(6):377–87 (26 ref.)

Diagnosis and prevention of gastrointestinal malignancies. Winawer SJ. **Semin Oncol** 1991 Feb;18(1 Suppl 1):7–16 (50 ref.)

[Possibilities of cytodiagnosis in ascites] Dirsch OR, et al. **Leber Magen Darm** 1991 May;21(3):108, 110, 113–5 (14 ref.) (Eng. Abstr.) **(Ger)**

[Extra-cardiac risk factors in heart surgery evaluated by the gastroenterologist] Strohmeyer G, et al. **Z Kardiol** 1990;79 Suppl 4:39–45 (31 ref.) (Eng. Abstr.) **(Ger)**

[Amyloidosis of the gastrointestinal tract] Uchino F, et al. **Nippon Rinsho** 1991 Apr;49(4):865–9 (20 ref.) **(Jpn)**

[Gastroenterologic aspects of the clinical picture of internal diseases] Krylov AK. **Ter Arkh** 1991;63(2):139–41 (27 ref.) **(Rus)**

[Molecular biology in gastroenterology. II. Its usefulness in the diagnosis] Panduro Cerda A. **Rev Gastroenterol Mex** 1990 Oct-Dec;55(4):235–41 (53 ref.) **(Spa)**

DRUG THERAPY

The use of bismuth in gastroenterology. The ACG Committee on FDA-Related Matters. American College of Gastroenterology. Marshall BJ. **Am J Gastroenterol** 1991 Jan;86(1):16–25 (76 ref.)

Failure of infection control in intensive care units: can sucralfate improve the situation? Weinstein RA. **Am J Med** 1991 Aug 8;91(2A):132S–134S (15 ref.)

The use of drugs in patients with gastrointestinal manifestations of AIDS. Erskine D. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):563–85 (50 ref.)

Clinical trials of selective decontamination of the digestive tract: review. Reidy JJ, et al. **Crit Care Med** 1990 Dec; 18(12):1449–56 (38 ref.)

Omeprazole. Overview and opinion. Holt S, et al. **Dig Dis Sci** 1991 Apr;36(4):385–93 (93 ref.)

Gastrointestinal receptors and drugs in motility disorders. Ruoff HJ, et al. **Digestion** 1991;48(1):1–17 (132 ref.)

Special diagnostic and therapeutic considerations in elderly patients with upper gastrointestinal disease. Bozymski EM, et al. **J Clin Gastroenterol** 1991;13 Suppl 2:S65–75 (79 ref.)

Future medical prospects for Sandostatin. Harris AG. **Z Gastroenterol** 1990 Sep;28 Suppl 2:55–60 (109 ref.)

[Prokinetic drugs in gastroenterology] Galmiche JP, et al. **Gastroenterol Clin Biol** 1991;15(2 (Pt 3)):T7–10 (37 ref.) **(Fre)**

[Bismuth therapy in gastroenterology] Raedsch R. **Dtsch Med Wochenschr** 1991 May 24;116(21):821–4 (19 ref.) **(Ger)**

[Medicamentous modification of gastrointestinal motility and secretion] Allescher HD. **Z Gastroenterol** 1991 Apr;29 Suppl 3:27–30 (34 ref.) (Eng. Abstr.) **(Ger)**

[The role of emotional stress in pathogenesis of gastrointestinal diseases and the importance of psychopharmacologic combinations in their treatment (published erratum appears in Boll Chim Farm 1990 Dec;129(12):following 329)] Pace V, et al. **Boll Chim Farm** 1990 Jun;129(6):3S–9S (30 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Gastroenterological aspects of AIDS in the Third World. Anderson M. **Baillieres Clin Gastroenterol** 1990 Jun; 4(2):375–83 (32 ref.)

Cytomegalovirus disease of the gastrointestinal tract in AIDS. Connolly GM. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):405–23 (40 ref.)

Upper gastrointestinal tract infections in AIDS. AIDS GIT Group. René E, et al. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):339–59 (66 ref.)

Oxygen radicals: their role in selected gastrointestinal disorders. Otamiri T, et al. **Dig Dis** 1991;9(3):133–41 (45 ref.)

AIDS and the gastroenterologist. Smallwood R. **J Gastroenterol Hepatol** 1990;5 Suppl 1:45–62 (146 ref.)

Sexually transmitted causes of gastrointestinal symptoms in homosexual men. Rompalo A. **Med Clin North Am** 1990 Nov;74(6):1633–45 (90 ref.)

Helicobacter pylori in children. Sullivan PB, et al. **Postgrad Med J** 1991 Apr;67(786):330–3 (43 ref.)

Cystic fibrosis. 6. Gastrointestinal and nutritional aspects. Kopelman H. **Thorax** 1991 Apr;46(4):261–7 (28 ref.)

[Gastrointestinal tract: frequently missed disease pictures] Kuntz HD, et al. **Verh Dtsch Ges Inn Med** 1990;96:106–12 (34 ref.) **(Ger)**

[Occupational medicine aspects in gastroenterologic diseases] Grimm R, et al. **Z Arztl Fortbild (Jena)** 1990;84(13):637–40 (59 ref.) **(Ger)**

[Does sugar play a role in the development of gastroenterologic diseases (Crohn disease, gallstones, cancer)?] Sailer D. **Z Ernahrungswiss** 1990;29 Suppl 1:39–44 (28 ref.) (Eng. Abstr.) **(Ger)**

[Gastrointestinal complications in end-stage renal failure] Abramovici I, et al. **Harefuah** 1991 Apr 15;120(8):465–8

(36 ref.) (Heb)

GENETICS

Applications of molecular genetics to gastrointestinal and liver diseases. II. Clinical relevance. Summers KM. **J Gastroenterol Hepatol** 1989 May-Jun;4(3):273-81 (75 ref.)

Applications of molecular genetics to gastrointestinal and liver diseases. I. Technical approaches. Summers KM. **J Gastroenterol Hepatol** 1989 Mar-Apr;4(2):183-93 (65 ref.)

IMMUNOLOGY

Gut immunology. MacDonald TT, et al. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):291-313 (86 ref.)

METABOLISM

Gastrointestinal disease and oral contraception. Hanker JP. **Am J Obstet Gynecol** 1990 Dec;163(6 Pt 2):2204-7 (57 ref.)

Zinc: absorption and role in gastrointestinal metabolism and disorders. Cho CH. **Dig Dis** 1991;9(1):49-60 (120 ref.)

MICROBIOLOGY

Helicobacter pylori and associated gastroduodenal diseases. Review article. Rautelin H, et al. **APMIS** 1991 Aug; 99(8):677-95 (191 ref.)

[Gastrointestinal manifestations of AIDS. 1: Basic considerations and viral infections] Prüfer-Krämer L, et al. **Fortschr Med** 1991 Mar 10;109(7):169-72 (41 ref.) (Eng. Abstr.) (Ger)

PARASITOLOGY

The regulation of gastrointestinal helminth populations. Quinnell RJ, et al. **Philos Trans R Soc Lond [Biol]** 1990 Nov 29;330(1257):191-201 (76 ref.)

PATHOLOGY

Application of intermediate biomarkers to studies of cancer prevention in the gastrointestinal tract: introduction and perspective. Lipkin M. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):188S-192S (55 ref.)

Light and electron microscopic appearances of pathological changes in HIV gut infection. Francis N. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):495-527 (95 ref.)

[Tissue basophils of the gastrointestinal tract and their role in physiological and pathological processes] Tsibulevskii AIu, et al. **Arkh Anat Gistol Embriol** 1991 Feb; 100(2):92-100 (92 ref.) (Rus)

PHYSIOPATHOLOGY

Gastric emptying in human disease states. Chaudhuri TK, et al. **Am J Gastroenterol** 1991 May;86(5):533-8 (61 ref.)

Neuromuscular disease of the gastrointestinal tract. Chokhavatia S, et al. **Am J Med Sci** 1991 Mar;301(3):201-14 (136 ref.)

General perspectives on the aged gut. Holt PR. **Clin Geriatr Med** 1991 May;7(2):185-9 (20 ref.)

The role of the mast cell in clinical gastrointestinal disease with special reference to systemic mastocytosis. Miner PB Jr. **J Invest Dermatol** 1991 Mar;96(3):40S-43S; discussion 43S-44S (42 ref.)

PREVENTION & CONTROL

Prophylaxis against non-steroidal induced upper gastrointestinal side effects. Barrison I. **Ann Rheum Dis** 1991 Apr;50(4):207-9 (13 ref.)

Gastric cytoprotection. What does it really mean for the prescriber? Guslandi M. **Drugs** 1991 Apr;41(4):507-13 (78 ref.)

Immunoglobulins and other modalities for the prevention and treatment of enteric viral infections. Yolken R, et al. **J Clin Immunol** 1990 Nov;10(6 Suppl):80S-86S; discussion 86S-87S (35 ref.)

Enteric vaccines. Edelman R, et al. **Md Med J** 1991 Mar; 40(3):199-203 (23 ref.)

Diagnosis and prevention of gastrointestinal malignancies. Winawer SJ. **Semin Oncol** 1991 Feb;18(1 Suppl 1):7-16 (50 ref.)

PSYCHOLOGY

[Functional syndromes of the gastrointestinal tract] Adler G, et al. **Internist (Berl)** 1991 Jan;32(1):19-25 (41 ref.) (Ger)

RADIOGRAPHY

CT of the gastrointestinal tract: principles and interpretation. Balthazar EJ. **AJR Am J Roentgenol** 1991 Jan;156(1):23-32 (20 ref.)

Computerized tomography in acute gastrointestinal disorders. Balthazar EJ, et al. **Am J Gastroenterol** 1990 Nov; 85(11):1445-52 (27 ref.)

Choosing contrast media for pediatric gastrointestinal examinations. Cohen MD. **Crit Rev Diagn Imaging** 1990; 30(4):317-40 (79 ref.)

Pediatric gastrointestinal imaging. Perlmutter N. **Curr Opin Radiol** 1990 Dec;2(6):895-8 (30 ref.)

[Computerized tomography for the study of lesions of the digestive system wall] Angelelli G, et al. **Radiol Med (Torino)** 1991 Jan-Feb;81(1-2):83-9 (63 ref.) (Eng. Abstr.) (Ita)

RADIONUCLIDE IMAGING

[Resorption and excretion tests] Berberich R. **Z Gastroenterol Verh** 1991 Mar;26:137-9 (14 ref.) (Ger)

SURGERY

Nontraumatic surgical emergencies in children. Felter RA. **Emerg Med Clin North Am** 1991 Aug;9(3):589-610 (23 ref.)

[Prevention of postoperative suppurative-inflammatory complications in gastrointestinal surgery] Gataullin NG, et al. **Khirurgiia (Mosk)** 1990 Sep;(9):160-3 (78 ref.) (Rus)

[Use of laser welded suture on the blood vessels and in surgery of the gastrointestinal tract] Gondzhilashvili VG, et al. **Khirurgiia (Mosk)** 1991 Mar;(3):141-5 (66 ref.) (Rus)

THERAPY

[Somatostatin and octreotide in therapy of gastrointestinal diseases] Stöckmann F. **Z Gastroenterol Verh** 1991 Mar; 26:166-70 (80 ref.) (Ger)

ULTRASONOGRAPHY

[Diagnostic imaging in gastroenterology] Sánchez Ruiz F. **An Esp Pediatr** 1990 Nov;33 Suppl 43:159-65 (22 ref.) (Spa)

VETERINARY

A review of chemical methods available for the control of gastrointestinal nematodes of sheep and cattle. Van Wyk JA. **J S Afr Vet Assoc** 1990 Sep;61(3):136-40 (30 ref.)

Integrated worm control as a strategy in the control of gastrointestinal nematodes of sheep and cattle. Van Wyk JA. **J S Afr Vet Assoc** 1990 Sep;61(3):141-5 (30 ref.)

GASTROINTESTINAL HEMORRHAGE

Lower intestinal bleeding in the elderly. Reinus JF, et al. **Clin Geriatr Med** 1991 May;7(2):301-19 (59 ref.)

Diagnosis and management of upper gastrointestinal tract bleeding in the pediatric patient. Ament ME. **Pediatr Rev** 1990 Oct;12(4):107-16 (19 ref.)

[Endoscopy in upper gastrointestinal tract hemorrhage] Marañón Sepúlveda M. **Rev Gastroenterol Mex** 1990 Jul-Sep;55(3):111-7 (72 ref.) (Eng. Abstr.) (Spa)

CHEMICALLY INDUCED

The risk of upper gastrointestinal haemorrhage during steroidal and non-steroidal anti-inflammatory therapy. Rooney PJ, et al. **Baillieres Clin Rheumatol** 1991 Aug; 4(2):207-17 (116 ref.)

Preventing upper gastrointestinal bleeding in patients receiving nonsteroidal antiinflammatory drugs. Elliott DP. **DICP** 1990 Oct;24(10):954-8 (36 ref.)

Hemorrhagic colitis and pseudomelanosis coli in ipecac ingestion by proxy. Johnson JE, et al. **J Pediatr Gastroenterol Nutr** 1991 May;12(4):501-6 (26 ref.)

[Effect of non-steroidal anti-inflammatory drugs on the stomach] Svintsitskiĭ AS. **Klin Med (Mosk)** 1990 Sep; 68(9):18-22 (53 ref.) (Rus)

DIAGNOSIS

Investigation of rectal bleeding. Raine PA. **Arch Dis Child** 1991 Mar;66(3):279-80 (10 ref.)

Lower gastrointestinal bleeding. Silber G. **Pediatr Rev** 1990 Sep;12(3):85-93 (17 ref.)

Fecal occult blood testing. Guidelines for follow-up after positive findings. Matzen RN. **Postgrad Med** 1991 Sep 1; 90(3):181-4, 189 (24 ref.)

Esophageal and gastric endoscopy in critically ill patients. How can it help you? Taffet SL, et al. **Postgrad Med** 1991 Mar;89(4):123-6 (18 ref.)

DRUG THERAPY

Desmopressin for diabetes insipidus, hemostatic disorders and enuresis. Shulman LH, et al. **Am Fam Physician** 1990 Oct; 42(4):1051-7 (12 ref.)

Vasoconstrictor therapy in bleeding esophageal varices. Walker S. **Hepatogastroenterology** 1990 Dec;37(6):538-43 (82 ref.)

[Drug treatment of acute esophageal varices hemorrhage using vasoactive substances (somatostatin and octreotide)] Meier R, et al. **Z Gastroenterol** 1990 Sep;28 Suppl 2:36-40 (58 ref.) (Ger)

[Chemotherapy of portal hypertension] Geller LI. **Klin Med (Mosk)** 1991 Apr;69(4):28-32 (58 ref.) (Rus)

ETIOLOGY

Islet cell carcinoma of the pancreas presenting as bleeding from isolated gastric varices. Report of a case and review of the literature. Metz DC, et al. **Dig Dis Sci** 1991 Feb; 36(2):241-4 (16 ref.)

Alcohol and gastrointestinal bleeding. MacMath TL. **Emerg Med Clin North Am** 1990 Nov;8(4):859-72 (132 ref.)

Lower gastrointestinal bleeding in inflammatory bowel disease. Farmer RG. **Gastroenterol Jpn** 1991 Jul;26 Suppl 3:93-100 (22 ref.)

The clinical significance and pathophysiology of stress-related gastric mucosal hemorrhage. Bresalier RS. **J Clin Gastroenterol** 1991;13 Suppl 2:S35-43 (100 ref.)

Verotoxic Escherichia coli in human disease. Rosensweig JN, et al. **J Pediatr Gastroenterol Nutr** 1991 Apr;12(3):295-304 (80 ref.)

Mucinous cystadenocarcinoma of the pancreas: an uncommon presentation with anaemia and upper gastrointestinal bleeding. Inceoglu R, et al. **J R Soc Med** 1991 Mar;84(3):171-2 (5 ref.)

A herald bleed: a case of aortoesophageal fistula and a review of the literature. Dores GM, et al. **R I Med J** 1991 Mar; 74(3):123-6 (42 ref.)

Angiodysplasia: characterization, diagnosis, and advances in treatment. Helmrich GA, et al. **South Med J** 1990 Dec; 83(12):1450-3 (25 ref.)

Duodenal varicose veins. Linder S, et al. **Surg Endosc** 1991; 5(1):31-5 (35 ref.)

[Rectal bleeding in newborn infants] Benhamou PH, et al. **Arch Fr Pediatr** 1990 Dec;47(10):747-53 (51 ref.) (Fre)

[Colonic angiodysplasia with chronic digestive hemorrhage cured after valvular replacement for aortic valve stenosis] Obadia JF, et al. **Arch Mal Coeur Vaiss** 1991 Apr; 84(4):569-72 (26 ref.) (Eng. Abstr.) (Fre)

[Gastric modifications in cirrhosis] Payen JL, et al. **Gastroenterol Clin Biol** 1991;15(4):285-95 (150 ref.) (Fre)

[Acute intestinal hemorrhage] Staritz M. **Z Gastroenterol Verh** 1991 Mar;26:21-5 (14 ref.) (Ger)

[Gastrointestinal angiodysplasia] Jakab F, et al. **Orv Hetil** 1990 Sep 9;131(36):1967-71 (20 ref.) (Eng. Abstr.) (Hun)

[Mallory-Weiss syndrome] Miroshnikov BI, et al. **Vestn Khir** 1991 Feb;146(2):147-51 (40 ref.) (Rus)

[Gastric lipoma: an infrequent cause of upper digestive hemorrhage] Pérez Cabañas I, et al. **Rev Esp Enferm Dig** 1990 Sep;78(3):163-5 (21 ref.) (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

[Pathogenetic factors of hemorrhage from esophageal varices] Kobe E. **Gastroenterol J** 1990;50(2):60-4 (56 ref.) (Eng. Abstr.) (Ger)

PREVENTION & CONTROL

Somatostatin in the treatment of bleeding oesophageal varices. McCormick PA, et al. **Acta Gastroenterol Belg** 1990 Jul-Aug;53(4):418-22 (19 ref.)

Preventing upper gastrointestinal bleeding in patients receiving nonsteroidal antiinflammatory drugs. Elliott DP. **DICP** 1990 Oct;24(10):954-8 (36 ref.)

Beta-blockers and portal hypertension, hemodynamic effects and prevention of recurrent gastrointestinal bleeding. Lebrec D. **Hepatogastroenterology** 1990 Dec;37(6):556-60 (52 ref.)

Prophylactic treatment of esophageal varices before bleeding. Pascal JP, et al. **Hepatogastroenterology** 1990 Dec; 37(6):575-8 (37 ref.)

Prevention of stress ulcer bleeding: a review. Geus WP, et al. **Scand J Gastroenterol Suppl** 1990;178:32-41 (71 ref.)

[The role of beta-blockers in the preventive treatment of rupture of esophageal varices] Calès P. **Acta Gastroenterol Belg** 1990 Jul-Aug;53(4):409-17 (51 ref.) (Eng. Abstr.) (Fre)

[Primary prevention of digestive hemorrhages in cirrhotic patients] Calès P. **Ann Gastroenterol Hepatol (Paris)** 1990 Oct;26(5):193-200 (82 ref.) (Fre)

[Prevention of the first gastroesophageal hemorrhage in patients with portal hypertension] Tsybyrné KA, et al. **Vestn Khir** 1990 Aug;145(8):146-9 (34 ref.) (Rus)

RADIOGRAPHY

Clinical utility of enteroclysis. Rex DK, et al. **Trop Gastroenterol** 1991 Jan-Mar;12(1):15-20 (17 ref.)

[Is total colonoscopy warranted in all patients with macroscopic hemorrhage per anum?] Bader JP. **Gastroenterol Clin Biol** 1991;15(3):183-6 (14 ref.) (Fre)

RADIONUCLIDE IMAGING

A case of intermittent bleeding Meckel's diverticulum. Imaeda T, et al. **Ann Nucl Med** 1990 Nov;4(3):107-10 (19 ref.)

[Resorption and excretion tests] Berberich R. **Z Gastroenterol Verh** 1991 Mar;26:137-9 (14 ref.) (Ger)

SURGERY

Bleeding oesophageal varices and the surgeon. Shields R. **Br J Surg** 1991 May;78(5):513-5 (10 ref.)

Lower gastrointestinal bleeding in inflammatory bowel disease. Farmer RG. **Gastroenterol Jpn** 1991 Jul;26 Suppl 3:93-100 (22 ref.)

Therapeutic endoscopy and bleeding ulcers. Bipolar/multipolar electrocoagulation. Laine L. **Gastrointest Endosc** 1990 Sep-Oct;36(5 Suppl):S38-41 (30 ref.)

Monopolar and electrohydrothermal treatment of upper gastrointestinal bleeding. Papp JP. **Gastrointest Endosc** 1990 Sep-Oct;36(5 Suppl):S34-7 (22 ref.)

Therapeutic endoscopy and bleeding ulcers. Nd:YAG laser: the pro approach. Swain CP. **Gastrointest Endosc** 1990 Sep-Oct;36(5 Suppl):S30-1 (18 ref.)

Variceal rebleeding after portosystemic shunting. Strategies and solutions to a vexing problem. Levine BA, et al.

Surg Clin North Am 1991 Feb;71(1):117–30 (15 ref.)
[Endoscopic hemostasis of the upper digestive tract] Frimberger E, et al. **Internist (Berl)** 1991 Apr;32(4):190–8 (74 ref.) **(Ger)**
[Use of lasers on aluminum–yttrium garnet with neodymium in clinical practice] Skobelkin OK, et al. **Khirurgiia (Mosk)** 1990 Aug;(8):155–7 (15 ref.) **(Rus)**

THERAPY

Pleuropulmonary complications of endoscopic variceal sclerotherapy. Edling JE, et al. **Chest** 1991 May; 99(5):1252–7 (58 ref.)
Current concepts in the pathophysiology and treatment of portal hypertension and variceal hemorrhage. Eckhauser FE, et al. **Gastroenterol Jpn** 1991 Jul;26 Suppl 3:1–8 (33 ref.)
Meta–analysis workshop in upper gastrointestinal hemorrhage [letter] Henry D, et al. **Gastroenterology** 1991 May;100(5 Pt 1):1481–2 (9 ref.)
Topical therapy for the control of gastrointestinal bleeding. Peura DA. **Gastrointest Endosc** 1990 Sep–Oct;36(5 Suppl):S53–5 (17 ref.)
Conservative and semi–invasive modalities for treating bleeding esophageal varices. Paquet KJ, et al. **Hepatogastroenterology** 1990 Dec;37(6):561–4 (44 ref.)
Endoscopic control of upper gastrointestinal bleeding. Fleischer DE. **J Clin Gastroenterol** 1990;12 Suppl 2:S41–7 (16 ref.)
Bleeding esophagogastric varices. Ways to treat active episodes and prevent recurrence. Marshall JB. **Postgrad Med** 1991 May 1;89(6):147–50, 155–8 (38 ref.)
The management of an episode of variceal bleeding. Gimson AE, et al. **Postgrad Med J** 1991 Feb;67(784):140–6 (61 ref.)
Taking the tension out of the portal system. An approach to the management of portal hypertension in the 1990s. Mac Mathuna P, et al. **Scand J Gastroenterol Suppl** 1990; 175:131–45 (126 ref.)
[Therapy and prevention of hemorrhage from esophageal varices] Holstege A, et al. **Z Gastroenterol** 1990 Jun; 28(6):302–14 (185 ref.) (Eng. Abstr.) **(Ger)**
[Acute variceal hemorrhage] Sauerbruch T. **Z Gastroenterol Verh** 1991 Mar;26:18–20 (37 ref.) **(Ger)**

GASTROINTESTINAL HORMONE RECEPTORS see **RECEPTORS, GASTROINTESTINAL HORMONE**

GASTROINTESTINAL HORMONES

Glucagon–like peptide–1(7–36) amide is a new incretin/enterogastrone candidate. Göke R, et al. **Eur J Clin Invest** 1991 Apr;21(2):135–44 (84 ref.)

CHEMISTRY

Recent developments in the chemistry of gastrointestinal peptides. Mutt V. **Eur J Clin Invest** 1990 Oct;20 Suppl 1:S2–9 (157 ref.)

DEFICIENCY

[Diagnosis and combined treatment of duodeno–hormonal deficiency] Treskunov KA, et al. **Klin Med (Mosk)** 1991 May;69(5):39–44 (88 ref.) **(Rus)**

GENETICS

Molecular biology of gastrointestinal peptides and growth factors: relevance to intestinal adaptation. Lund PK, et al. **Digestion** 1990;46 Suppl 2:66–73 (26 ref.)

IMMUNOLOGY

[Allergy and the endocrine system of the gastrointestinal tract] Nogaller AM, et al. **Klin Med (Mosk)** 1991 Apr; 69(4):17–23 (48 ref.) **(Rus)**

PHYSIOLOGY

Humoral control of gut function. Thompson JC. **Am J Surg** 1991 Jan;161(1):6–18 (69 ref.)
Hormones and receptors in gastrointestinal malignancies. Longnecker DS. **Digestion** 1990;46 Suppl 2:92–8 (25 ref.)
Perspectives in the research of gut regulatory peptides. Rehfeld JF. **Eur J Clin Invest** 1990 Oct;20 Suppl 1:S91–3 (16 ref.)
[Influence of gastrointestinal factors on adaptation of the pancreas—animal experiment studies] Malfertheiner P, et al. **Z Gastroenterol Verh** 1991 Mar;26:47–9 (38 ref.) **(Ger)**
[Relations between gastrointestinal interdigestive motility and secretion] Malfertheiner P, et al. **Z Gastroenterol Verh** 1991 Mar;26:290–2 (21 ref.) **(Ger)**

SECRETION

Biologically active peptides in the gastrointestinal lumen. Rao RK. **Life Sci** 1991;48(18):1685–704 (153 ref.)
[Cigarette smoking and pathophysiology of diseases of the digestive system—facts and hypotheses. I. Cigarette smoking and physiology of the digestive system] Nowak A, et al. **Pol Arch Med Wewn** 1990 Mar;83(3):137–42 (33 ref.) **(Pol)**
[Effect of somatostatin on the digestive tract functions] Dwornicki M. **Przegl Lek** 1990;47(8):593–6 (11 ref.) **(Pol)**

GASTROINTESTINAL MOTILITY

Neuromuscular disease of the gastrointestinal tract. Chokhavatia S, et al. **Am J Med Sci** 1991 Mar;301(3):201–14 (136 ref.)
Gastrointestinal receptors and drugs in motility disorders. Ruoff HJ, et al. **Digestion** 1991;48(1):1–17 (132 ref.)
Sir Frederick Hobday Memorial Lecture. All wind and water: some progress in the study of equine gut motility. Gerring EL. **Equine Vet J** 1991 Mar;23(2):81–5 (18 ref.)
Gastrointestinal motor dysfunction in acquired selective cholinergic dysautonomia associated with infectious mononucleosis. Vassallo M, et al. **Gastroenterology** 1991 Jan;100(1):252–8 (35 ref.)
Gastrointestinal motor disturbances in functional dyspepsia. Malagelada JR. **Scand J Gastroenterol Suppl** 1991;182:29–32 (23 ref.)
[Physiopathological approach to non–ulcerative dyspepsia: clinical consequences] Jian R, et al. **Schweiz Med Wochenschr** 1991 May 18;121(20):713–5 (12 ref.) (Eng. Abstr.) **(Fre)**
[The diagnosis in motility disorders of the stomach and small intestine] Layer P, et al. **Dtsch Med Wochenschr** 1991 Feb 15;116(7):261–3 (14 ref.) **(Ger)**

DRUG EFFECTS

The current status of gastric prokinetic drugs. Schapira M, et al. **Acta Gastroenterol Belg** 1990 Jul–Aug;53(4):446–57 (86 ref.)
Mechanisms of action on dietary fibre on small intestinal absorption and motility. Edwards C. **Adv Exp Med Biol** 1990;270:95–104 (43 ref.)
New directions in the irritable bowel syndrome. Bailey LD Jr, et al. **Gastroenterol Clin North Am** 1991 Jun;20(2):335–49 (72 ref.)
Action of pinaverium bromide, a calcium–antagonist, on gastrointestinal motility disorders. Christen MO. **Gen Pharmacol** 1990;21(6):821–5 (53 ref.)
[Non–analgesic effects of opioids] Eledjam JJ, et al. **Cah Anesthesiol** 1991;39(2):111–4 (41 ref.) (Eng. Abstr.) **(Fre)**
[Prokinetic drugs in gastroenterology] Galmiche JP, et al. **Gastroenterol Clin Biol** 1991;15(2 (Pt 3)):T7–10 (37 ref.) **(Fre)**
[Development of a new gastrointestinal prokinetic; pharmacology of cisapride] Van Nueten JM, et al. **J Pharm Belg** 1991 Jan–Feb;46(1):17–22 (17 ref.) (Eng. Abstr.) **(Fre)**
[Medicamentous modification of gastrointestinal motility and secretion] Allescher HD. **Z Gastroenterol** 1991 Apr;29 Suppl 3:27–30 (34 ref.) (Eng. Abstr.) **(Ger)**
[Pro–kinetic agents. Developments and indications] Layer P. **Z Gastroenterol Verh** 1991 Mar;26:157–8 (19 ref.) **(Ger)**
[Physiological control mechanism of gastrointestinal motility] Fujii K. **Nippon Heikatsukin Gakkai Zasshi** 1990 Apr; 26(2):93–106 (39 ref.) **(Jpn)**

PHYSIOLOGY

Development of intestinal motility. Bisset WM. **Arch Dis Child** 1991 Jan;66(1 Spec No):3–5 (23 ref.)
Endogenous opioids, the enteric nervous system and gut motility. Kromer W. **Dig Dis** 1990;8(6):361–73 (49 ref.)
Physiology and pathophysiology of colonic motor activity (2). Sarna SK. **Dig Dis Sci** 1991 Jul;36(7):998–1018 (537 ref.)
Physiology and pathophysiology of colonic motor activity (1). Sarna SK. **Dig Dis Sci** 1991 Jun;36(6):827–62 (339 ref.)
Motility disorders in the irritable bowel syndrome. Lind CD. **Gastroenterol Clin North Am** 1991 Jun;20(2):279–95 (75 ref.)
The ileocecal area and the irritable bowel syndrome. Phillips SF, et al. **Gastroenterol Clin North Am** 1991 Jun; 20(2):297–311 (52 ref.)
Disordered gastric motor function in diabetes mellitus. Recent insights into prevalence, pathophysiology, clinical relevance, and treatment. Horowitz M, et al. **Scand J Gastroenterol** 1991 Jul;26(7):673–84 (76 ref.)
Where do we stand on gastric motility? Malagelada JR. **Scand J Gastroenterol Suppl** 1990;175:42–51 (17 ref.)
[Small bowel motility in the irritable bowel syndrome] Couturier D. **Gastroenterol Clin Biol** 1990;14(5 (Pt 2)):24C–28C (31 ref.) (Eng. Abstr.) **(Fre)**
[Colonic motility in the irritable bowel syndrome] Frexinos J, et al. **Gastroenterol Clin Biol** 1990;14(5 (Pt 2)):18C–23C (44 ref.) (Eng. Abstr.) **(Fre)**
[Motor–secretory interactions in the small and large intestine and their disorders] Erckenbrecht JF. **Z Gastroenterol** 1991 Apr;29 Suppl 3:24–6 (22 ref.) **(Ger)**
[Mechanisms of postprandial stimulation of gastrointestinal motility and pancreatic secretion] Katschinski M, et al. **Z Gastroenterol** 1991 Apr;29 Suppl 3:13–7 (52 ref.) **(Ger)**
[Regulation of motility and secretion by the ileo–cecal region] Layer P. **Z Gastroenterol** 1991 Apr;29 Suppl 3:18–21 (24 ref.) **(Ger)**
[Central regulation of gastrointestinal motility and secretion] Lenz HJ. **Z Gastroenterol** 1991 Apr;29 Suppl 3:5–9 (54 ref.) (Eng. Abstr.) **(Ger)**
[Relations between gastrointestinal interdigestive motility and secretion] Malfertheiner P, et al. **Z Gastroenterol** 1991 Apr; 29 Suppl 3:10–2 (21 ref.) (Eng. Abstr.) **(Ger)**
[The central nervous system, stress and motility of the gastrointestinal tract] Erckenbrecht JF. **Z Gastroenterol Verh** 1991 Mar;26:248–52 (36 ref.) **(Ger)**
[Relations between gastrointestinal interdigestive motility and secretion] Malfertheiner P, et al. **Z Gastroenterol Verh** 1991 Mar;26:290–2 (21 ref.) **(Ger)**
[Changes in upper gastrointestinal motility during scleroderma] Bassotti G, et al. **Medicina (Firenze)** 1990 Jul–Sep;10(3):251–5 (65 ref.) (Eng. Abstr.) **(Ita)**
[Methods of analyzing gastrointestinal motor activity] Bazzocchi G, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):19–25 (9 ref.) (Eng. Abstr.) **(Ita)**

GASTROINTESTINAL NEOPLASMS

Recent advances in carcinoids and gastrointestinal neuroendocrine tumors. Basser RL, et al. **Curr Opin Oncol** 1991 Feb;3(1):109–20 (117 ref.)
Gastrointestinal lymphoma. Thomas CR Jr, et al. **Med Pediatr Oncol** 1991;19(1):48–60 (141 ref.)
[Neuroendocrine tumors of the pancreas and gastrointestinal tract] Höring E, et al. **Dtsch Med Wochenschr** 1991 Aug 2;116(31–32):1197–202 (35 ref.) **(Ger)**

BLOOD

Peptide hormones as tumor markers in neuroendocrine gastrointestinal tumors. Eriksson B, et al. **Acta Oncol** 1991; 30(4):477–83 (30 ref.)

CHEMICALLY INDUCED

Modification of tumor development in the gastrointestinal tract. Takahashi M, et al. **Prog Exp Tumor Res** 1991; 33:58–75 (97 ref.)

CHEMISTRY

Tissue tumor markers in the gastrointestinal tract. Mazzoleni G, et al. **Curr Opin Oncol** 1990 Aug;2(4):700–10 (41 ref.)
Hormones and receptors in gastrointestinal malignancies. Longnecker DS. **Digestion** 1990;46 Suppl 2:92–8 (25 ref.)

COMPLICATIONS

[Gastrointestinal manifestations of AIDS. 2: Bacterial and vhØparasitic infections, malignant tumors]Prüfer–Krämer L, et al. **Fortschr Med** 1991 Mar 20;109(8):179–82 (40 ref.) (Eng. Abstr.) **(Ger)**
[Manifestations of AIDS in the gastrointestinal tract] Heise W, et al. **Leber Magen Darm** 1991 Jan;21(1):9–14 (19 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Primary neoplasms of the hollow organs of the gastrointestinal tract. Staging and follow–up. Halvorsen RA Jr, et al. **Cancer** 1991 Feb 15;67(4 Suppl):1181–8 (49 ref.)
Gastrointestinal cytology. Geisinger KR, et al. **Clin Lab Med** 1991 Jun;11(2):403–41 (122 ref.)
Advances in the diagnosis and imaging of gastrointestinal cancer. Laufer I, et al. **Curr Opin Oncol** 1990 Aug; 2(4):711–7 (29 ref.)
CT–SPECT fusion for analysis of radiolabeled antibodies: applications in gastrointestinal and lung carcinoma. Kramer EL, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):27–42 (49 ref.)
[Leiomyoma and leiomyosarcoma of the gastrointestinal system: experience with 5 patients and literature review] Chapelle T, et al. **Acta Chir Belg** 1990 Sep–Oct;90(5):213–7 (26 ref.) (Eng. Abstr.) **(Dut)**
[Possibilities of cytodiagnosis in ascites] Dirsch OR, et al. **Leber Magen Darm** 1991 May;21(3):108, 110, 113–5 (14 ref.) (Eng. Abstr.) **(Ger)**
[Role of endoscopy in lymphomatous pathology of the digestive tract] Vigneri S, et al. **Minerva Med** 1990 Nov; 81(11):785–9 (24 ref.) (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Review of photodynamic therapy for gastrointestinal tumours in the past 6 years in China. Jin ML, et al. **J Photochem Photobiol B** 1990 Sep;7(1):87–92 (6 ref.)
Cholecystokinin and gastrointestinal cancer. Lamers CB, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1069–72 (25 ref.)
[The photodynamic therapy of gastrointestinal carcinomas. The determination of the place of a new treatment method] Schlag P, et al. **Dtsch Med Wochenschr** 1991 Apr 19; 116(16):619–24 (36 ref.) **(Ger)**
[Clinical applications of octreotide in gastro–entero–pancreatic (GEP) tumors] Arnold R, et al. **Z Gastroenterol** 1990 Sep;28 Suppl 2:22–8 (55 ref.) **(Ger)**

ETIOLOGY

Kaposi's sarcoma and lymphoma of the gut in AIDS. Friedman SL. **Baillieres Clin Gastroenterol** 1990 Jun; 4(2):455–75 (104 ref.)

GENETICS

Gastrointestinal non–Hodgkin's lymphoma. Hickish T, et al. **Baillieres Clin Gastroenterol** 1990 Mar;4(1):191–200 (41 ref.)
Cancer genes in gastrointestinal malignancy. Sikora K.

Baillieres Clin Gastroenterol 1990 Mar;4(1):135–50 (59 ref.)

IMMUNOLOGY

Biochemical markers in gastrointestinal malignancies. Cooper EH, et al. **Arq Gastroenterol** 1989 Oct–Dec;26(4):131–40 (42 ref.)

PATHOLOGY

Neural and endocrine markers as diagnostic tools in pancreatic and gastrointestinal endocrine tumors. Klöppel G, et al. **Acta Histochem Suppl** 1990;38:93–8 (23 ref.)

Preoperative staging of gastrointestinal tumors by endosonography. Ziegler K, et al. **Surg Endosc** 1990; 4(3):154–60 (65 ref.)

[Normal lymphoid tissue and primary malignant lymphomas of the gastrointestinal tract] Diebold J. **Ann Gastroenterol Hepatol (Paris)** 1991 Jan–Feb;27(1):31–5 (20 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Morphology and functional activity of gastroenteropancreatic neuroendocrine tumours. Klöppel G, et al. **Recent Results Cancer Res** 1990;118:27–36 (24 ref.)

PREVENTION & CONTROL

Application of intermediate biomarkers to studies of cancer prevention in the gastrointestinal tract: introduction and perspective. Lipkin M. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):188S–192S (55 ref.)

Screening for gastrointestinal cancer: an epidemiological review. Weil J, et al. **Gut** 1991 Feb;32(2):220–4 (41 ref.)

Diet to prevent gastrointestinal cancer? Jungi WF. **Recent Results Cancer Res** 1991;121:286–92 (23 ref.)

Screening strategies in gastrointestinal cancer. Riddell RH. **Scand J Gastroenterol Suppl** 1990;175:177–84 (28 ref.)

RADIOGRAPHY

CT of the gastrointestinal tract: principles and interpretation. Balthazar EJ. **AJR Am J Roentgenol** 1991 Jan;156(1):23–32 (20 ref.)

Gastrointestinal lipomas: a radiologic and pathologic review. Taylor AJ, et al. **AJR Am J Roentgenol** 1990 Dec; 155(6):1205–10 (8 ref.)

[Computerized tomography for the study of lesions of the digestive system wall] Angelelli G, et al. **Radiol Med (Torino)** 1991 Jan–Feb;81(1–2):83–9 (63 ref.) (Eng. Abstr.) **(Ita)**

RADIOTHERAPY

Palliative laser therapy for tumours of the gastrointestinal tract. Krasner N. **Baillieres Clin Gastroenterol** 1991 Mar; 5(1):37–59 (109 ref.)

SURGERY

[Possible uses of laser in gastroenterology] Bosseckert H. **Z Gesamte Inn Med** 1990 Oct 15;45(20):621–3 (13 ref.) (Eng. Abstr.) **(Ger)**

[Use of lasers on aluminum–yttrium garnet with neodymium in clinical practice] Skobelkin OK, et al. **Khirurgiia (Mosk)** 1990 Aug;(8):155–7 (15 ref.) **(Rus)**

THERAPY

Laser treatment of tumours in the gastrointestinal tract. Tranberg KG. **Ann Chir Gynaecol** 1990;79(4):182–8 (48 ref.)

Therapeutic strategies in the management of endocrine GEP tumours. Arnold R. **Eur J Clin Invest** 1990 Oct;20 Suppl 1:S82–90 (72 ref.)

Advances in the management of gastrointestinal malignancies. Ernstoff MS. **Semin Oncol** 1991 Feb;18(1 Suppl 1):1–6 (55 ref.)

Nutritional support of patients with cancer of the gastrointestinal tract. Daly JM, et al. **Surg Clin North Am** 1991 Jun;71(3):523–36 (58 ref.)

[Gastrointestinal hormone–active tumors. II. Systemic therapy] Müller MK, et al. **Med Klin** 1990 Nov 15; 85(11):665–71 (114 ref.) **(Ger)**

ULTRASONOGRAPHY

Preoperative staging of gastrointestinal tumors by endosonography. Ziegler K, et al. **Surg Endosc** 1990; 4(3):154–60 (65 ref.)

GASTROINTESTINAL SYSTEM

Body packing—a case report and review of the literature. Stewart A, et al. **Postgrad Med J** 1990 Aug;66(778):659–61 (19 ref.)

ABNORMALITIES

Radiographic manifestations of anomalies of the gastrointestinal tract. Bender TM, et al. **Radiol Clin North Am** 1991 Mar;29(2):335–49 (29 ref.)

BLOOD SUPPLY

[New methods for assessing gastrointestinal blood flow] Hoffmann U, et al. **Z Gastroenterol** 1991 Jan;29(1):36–40 (16 ref.) (Eng. Abstr.) **(Ger)**

CYTOLOGY

[Tissue basophils of the gastrointestinal tract and their role in physiological and pathological processes] Tsibulevskii AIu, et al. **Arkh Anat Gistol Embriol** 1991 Feb; 100(2):92–100 (92 ref.) **(Rus)**

DRUG EFFECTS

Cisapride: a new class of prokinetic agent. The ACG Committee on FDA–related matters. American College of Gastroenterology. McCallum RW. **Am J Gastroenterol** 1991 Feb;86(2):135–49 (80 ref.)

Gastrointestinal side effects of the nonsteroidal anti–inflammatory drugs. Taragin MI, et al. **Dig Dis** 1990; 8(5):269–80 (39 ref.)

Side–effects of quinolones: comparisons between quinolones and other antibiotics. Norrby SR. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):378–83 (14 ref.)

Glutamine nutrition: theoretical considerations and therapeutic impact. Souba WW, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):237S–243S (88 ref.)

Neuroendocrine (HPA) and gastrointestinal effects of opiate antagonists: possible therapeutic application. Kreek MJ, et al. **NIDA Res Monogr** 1991;105:168–74 (30 ref.)

Antiulcerogenic and antiinflammatory actions of fatty acids on the gastrointestinal tract. Lugea A, et al. **Prostaglandins Leukot Essent Fatty Acids** 1991 Jul; 43(3):135–40 (19 ref.)

IMMUNOLOGY

Gut immunology. MacDonald TT, et al. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):291–313 (86 ref.)

Antigens, the gastrointestinal tract, and arthritis. Inman RD. **Rheum Dis Clin North Am** 1991 May;17(2):309–21 (87 ref.)

[Changes in the immune system of the gastrointestinal tract in Crohn disease (see comments)] Voss A, et al. **Immun Infekt** 1990 Aug;18(4):111–4 (25 ref.) (Eng. Abstr.) Comment in: Immun Infekt 1990 Aug;18(4):109. **(Ger)**

[Allergy and the endocrine system of the gastrointestinal tract] Nogaller AM, et al. **Klin Med (Mosk)** 1991 Apr; 69(4):17–23 (48 ref.) **(Rus)**

INJURIES

[Corrosive damage to upper gastrointestinal tract by caustic substances] Eidelman S, et al. **Harefuah** 1990 Dec 2; 119(11):397–8 (16 ref.) **(Heb)**

INNERVATION

Neuroendocrine design of the gut. Debas HT, et al. **Am J Surg** 1991 Feb;161(2):243–9 (20 ref.)

Cholinergic manipulation of digestive function in ruminants and other domestic livestock: a review [published erratum appears in J Anim Sci 1990 Dec;68(12):4445] Croom WJ Jr, et al. **J Anim Sci** 1990 Sep;68(9):3023–32 (54 ref.)

The normal structure of gastrointestinal innervation. Furness JB, et al. **J Gastroenterol Hepatol** 1990;5 Suppl 1:1–9 (51 ref.)

Regional variations in the gross structure of the enteric nervous system: some new views. Christensen J. **Trans Am Clin Climatol Assoc** 1989;101:21–36; discussion 36–7 (17 ref.)

[The central nervous system, stress and motility of the gastrointestinal tract] Erckenbrecht JF. **Z Gastroenterol Verh** 1991 Mar;26:248–52 (36 ref.) **(Ger)**

[Neurophysiology of the enteric nervous system] Schemann M. **Z Gastroenterol Verh** 1991 Mar;26:234–5 (5 ref.) **(Ger)**

[Neuro–vascular relations in the intramural neural plexus of the gastrointestinal tract] Otellin VA, et al. **Arkh Anat Gistol Embriol** 1990 Dec;99(12):61–7 (77 ref.) **(Rus)**

[Neurophysiology of gastrointestinal pain] Cerveró F. **Rev Esp Enferm Dig** 1990 Aug;78(2):79–88 (35 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

Glutamine: a key substrate for the splanchnic bed. Souba WW. **Annu Rev Nutr** 1991;11:285–308 (99 ref.)

Zinc: absorption and role in gastrointestinal metabolism and disorders. Cho CH. **Dig Dis** 1991;9(1):49–60 (120 ref.)

Energy cost of absorption and metabolism in the ruminant gastrointestinal tract and liver: a review [published erratum appears in J Anim Sci 1990 Dec;68(12):4445] McBride BW, et al. **J Anim Sci** 1990 Sep;68(9):2997–3010 (84 ref.)

The chloride–stimulated K(+)–secretion by insect midgut and its modification in the presence of osmotic gradients: a short–circuit current and noise–analysis study. Zeiske W, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):399–404 (10 ref.)

Haem in the gut. I. Fate of haemoproteins and the absorption of haem. Young GP, et al. **J Gastroenterol Hepatol** 1989 Nov–Dec;4(6):537–45 (44 ref.)

MICROBIOLOGY

Review article: metronidazole and the anaerobic gut flora. Elliott TS, et al. **Aliment Pharmacol Ther** 1990 Jun; 4(3):227–38 (43 ref.)

Probiotics in animal nutrition: a review. Vanbelle M, et al. **Arch Tierernahr** 1990 Jul;40(7):543–67 (322 ref.)

Care of the gut in the surgical intensive care unit: fact or fashion? Steinmetz OK, et al. **Can J Surg** 1991 Jun; 34(3):207–15 (92 ref.)

Ofloxacin and the gastrointestinal tract: a potential role in the treatment of bacterial enteritis. Lang R, et al. **J Antimicrob Chemother** 1990 Nov;26 Suppl D:45–53 (24 ref.)

Physiology and genetics of xylan degradation by gastrointestinal tract bacteria. Hespell RB, et al. **J Dairy Sci** 1990 Oct;73(10):3013–22 (53 ref.)

[Gastrointestinal flora and health in man and animal] Huis in 't Veld JH. **Tijdschr Diergeneeskd** 1991 Mar 1; 116(5):232–9 (10 ref.) (Eng. Abstr.) **(Dut)**

[Regulation of the intestinal flora by food] Gedek BR. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):277–301 (72 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Application of intermediate biomarkers to studies of cancer prevention in the gastrointestinal tract: introduction and perspective. Lipkin M. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):188S–192S (55 ref.)

PHYSIOLOGY

Modulation of immune function by intestinal neuropeptides. Sirinek LP, et al. **Acta Oncol** 1991;30(4):509–17 (96 ref.)

Physiological implications of wheat and oat dietary fiber. Knudsen KE, et al. **Adv Exp Med Biol** 1990;270:135–50 (53 ref.)

Gastrointestinal responses to dietary fiber. Schneeman BO. **Adv Exp Med Biol** 1990;270:37–42 (16 ref.)

Humoral control of gut function. Thompson JC. **Am J Surg** 1991 Jan;161(1):6–18 (69 ref.)

Development of the human gastrointestinal tract: implications for weaning. Guandalini S. **Beitr Infusionther** 1991;27:31–8 (28 ref.)

Physiological and behavioral responses to corticotropin–releasing factor administration: is CRF a mediator of anxiety or stress responses? Dunn AJ, et al. **Brain Res Brain Res Rev** 1990 May–Aug;15(2):71–100 (267 ref.)

Interactions of the salivary and gastrointestinal systems. I. The role of saliva in digestion. Valdez IH, et al. **Dig Dis** 1991;9(3):125–32 (67 ref.)

Role of galanin in the gut. Rattan S. **Gastroenterology** 1991 Jun;100(6):1762–8 (69 ref.)

Inert plastics as indicators of physiological processes in the gastrointestinal tract of ruminants. Welch JG. **J Anim Sci** 1990 Sep;68(9):2930–5 (10 ref.)

Drug delivery systems 5A. Oral drug delivery. Ranade VV. **J Clin Pharmacol** 1991 Jan;31(1):2–16 (52 ref.)

Growth factors and the gut. Burgess AW, et al. **J Gastroenterol Hepatol** 1990;5 Suppl 1:10–21 (97 ref.)

5–HT receptor subtypes outside the central nervous system. Roles in the physiology of the gut. Gershon MD, et al. **Neuropsychopharmacology** 1990 Oct–Dec;3(5–6):385–95 (82 ref.)

Taste cells in the gut and on the tongue. Their common, paraneuronal features. Fujita T. **Physiol Behav** 1991 May; 49(5):883–5 (12 ref.)

PHYSIOPATHOLOGY

[Second messenger systems in the gastrointestinal tract] Pfeiffer A, et al. **Z Gastroenterol Verh** 1991 Mar;26:273–7 (30 ref.) **(Ger)**

RADIOGRAPHY

[Computerized tomography for the study of lesions of the digestive system wall] Angelelli G, et al. **Radiol Med (Torino)** 1991 Jan–Feb;81(1–2):83–9 (63 ref.) (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

Quantitative imaging in the gastrointestinal tract. Harding LK. **Clin Phys Physiol Meas** 1990;11 Suppl A:103–8 (8 ref.)

Physiological and pharmacological interventions in radionuclide imaging of the tubular gastrointestinal tract. Datz FL, et al. **Semin Nucl Med** 1991 Apr;21(2):140–52 (61 ref.)

SURGERY

Role of quinolones in surgical prophylaxis. Mandell LA. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):368–77 (43 ref.)

Upper gastrointestinal bleeding—when to operate. Wheatley KE, et al. **Postgrad Med J** 1990 Nov;66(781):926–31 (22 ref.)

Antimicrobial prophylaxis in upper gastrointestinal, biliary, stomach and oesophageal surgery. Giercksky KE, et al. **Scand J Infect Dis Suppl** 1990;70:45–51 (25 ref.)

Nutritional consequences of major gastrointestinal surgery. Patient outcome and starvation. Shikora SA, et al. **Surg Clin North Am** 1991 Jun;71(3):509–21 (54 ref.)

[Characteristics of healing of anastomoses in surgery of the alimentary tract performed with laser irradiation] Grubnik VV, et al. **Klin Khir** 1991;(5):57–61 (77 ref.) **(Rus)**

GASTROINTESTINAL TRANSIT

[Measurement of colon transit time] Schindlbeck NE, et al. **Z Gastroenterol** 1990 Aug;28(8):399–404 (26 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Anatomy and physiology of the mechanism of continence. Kuijpers JH. **Neth J Med** 1990 Aug;37 Suppl 1:S2–5 (13 ref.)

[Nuclear medicine studies of gastrointestinal transit; detection of reflux] Eilles C, et al. **Z Gastroenterol Verh** 1991 Mar; 26:113–6 (23 ref.) **(Ger)**

GASTROPLASTY

Radiological evaluation of gastric stapling procedures for morbid obesity. Goodman P, et al. **Crit Rev Diagn Imaging** 1991;32(1):37–67 (37 ref.)

Gastroplasty and very-low-calorie diet in the treatment of morbid obesity. Andersen T. **Dan Med Bull** 1990 Aug; 37(4):359–70 (149 ref.)

METHODS

Reoperation for failed gastric bypass procedures for obesity. Mason EE, et al. **Surg Clin North Am** 1991 Feb;71(1):45–56 (13 ref.)

[Gastric balloon and gastroplasty: interventional therapy in morbid obesity] Wechsler JG, et al. **Z Gastroenterol Verh** 1991 Mar;26:260–1 (22 ref.) **(Ger)**

GASTROSCOPY

METHODS

Esophageal and gastric endoscopy in critically ill patients. How can it help you? Taffet SL, et al. **Postgrad Med** 1991 Mar;89(4):123–6 (18 ref.)

[Percutaneous endoscopic gastrostomy] Jung M, et al. **Dtsch Med Wochenschr** 1991 Jul 5;116(27):1063–8 (19 ref.) **(Ger)**

VETERINARY

Upper gastrointestinal endoscopy. Guilford WG. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1209–27 (10 ref.)

GASTROSTOMY

see related
ENTERAL FEEDING

[Percutaneous endoscopic gastrostomy: indications, techniques and complications] Mundo Gallardo F, et al. **Rev Gastroenterol Mex** 1990 Jul–Sep;55(3):149–51 (18 ref.) (Eng. Abstr.) **(Spa)**

METHODS

Controversies, dilemmas, and dialogues. Nonsurgical gastrostomy: X-ray or endoscopy? Foutch PG, et al. **Am J Gastroenterol** 1990 Dec;85(12):1560–3 (25 ref.)

[Percutaneous endoscopic gastrostomy] Jung M, et al. **Dtsch Med Wochenschr** 1991 Jul 5;116(27):1063–8 (19 ref.) **(Ger)**

GASTRULA

METABOLISM

Carbon metabolism in early amphibian embryos. Dworkin MB, et al. **Trends Biochem Sci** 1991 Jun;16(6):229–34 (34 ref.)

GATED BLOOD-POOL IMAGING

Radionuclide ventriculography in the assessment of diastolic function in hypertension. Fouad-Tarazi FM. **Herz** 1990 Dec;15(6):393–8 (37 ref.)

Controversies in nuclear medicine. Analysis of 201Tl myocardial images. Visual analysis of thallium scans from digitized gated images. Martin W, et al. **Nucl Med Commun** 1991 Apr;12(4):327–32 (29 ref.)

[Stratification of the risk after acute myocardial infarct. Dysfunction of the left ventricle after acute myocardial infarction. Value of radionuclide angiography] de Sá ME, et al. **Rev Port Cardiol** 1991 Feb;10(2):173–7 (18 ref.) **(Por)**

INSTRUMENTATION

Radionuclide methods for cardiac output determination. Fouad-Tarazi FM, et al. **Eur Heart J** 1990 Dec;11 Suppl I:33–40 (54 ref.)

GATED BLOOD-POOL SCINTIGRAPHY see **GATED BLOOD-POOL IMAGING**

GATED EQUILIBRIUM BLOOD-POOL SCINTIGRAPHY see **GATED BLOOD-POOL IMAGING**

GATEKEEPERS, HEALTH SERVICE see **REFERRAL AND CONSULTATION**

GATING, ION CHANNEL see **ION CHANNEL GATING**

GAUCHER'S DISEASE

COMPLICATIONS

Bone crisis in Gaucher disease--an update. Yosipovitch Z, et al. **Isr J Med Sci** 1990 Oct;26(10):593–5 (17 ref.)

GENETICS

Acid beta-glucosidase: enzymology and molecular biology of Gaucher disease. Grabowski GA, et al. **Crit Rev Biochem Mol Biol** 1990;25(6):385–414 (192 ref.)

GDP see **GUANOSINE DIPHOSPHATE**

GEHRIG'S DISEASE see **AMYOTROPHIC LATERAL SCLEROSIS**

GEIGER-MUELLER COUNTERS see **RADIOMETRY**

GEL FILTRATION see **CHROMATOGRAPHY, GEL**

GELATIN

Silicone, fibrel, and collagen implantation for facial lines and wrinkles. Pollack SV. **J Dermatol Surg Oncol** 1990 Oct; 16(10):957–61 (16 ref.)

GEMFIBROZIL

ADVERSE EFFECTS

Gemfibrozil-induced myopathy. Magarian GJ, et al. **Arch Intern Med** 1991 Sep;151(9):1873–4 (10 ref.)

PHARMACOLOGY

Effects of gemfibrozil and other fibric acid derivatives on blood lipids and lipoproteins. Zimetbaum P, et al. **J Clin Pharmacol** 1991 Jan;31(1):25–37 (96 ref.)

THERAPEUTIC USE

Lipoproteins and coronary heart disease in the Helsinki Heart Study. Mänttäri M, et al. **Eur Heart J** 1990 Dec;11 Suppl H:26–31 (18 ref.)

GENDER see **SEX**

GENDER IDENTITY

Gender identity conflicts in adolescents as motivation for suicide. Cohen Y. **Adolescence** 1991 Spring;26(101):19–29 (10 ref.)

Chemical dependency in women: important issues. Blume SB. **Am J Drug Alcohol Abuse** 1990;16(3–4):297–307 (52 ref.)

Women in Australian and New Zealand psychiatry: the fat lady sings. Quadrio C. **Aust N Z J Psychiatry** 1991 Mar; 25(1):95–110 (122 ref.)

Gender identity disorder and psychosexual problems in children and adolescents. Bradley SJ, et al. **Can J Psychiatry** 1990 Aug;35(6):477–86 (72 ref.)

Psychosocial and erotic development in cross-gender identified children. Zucker KJ. **Can J Psychiatry** 1990 Aug; 35(6):487–95 (64 ref.)

Anorexia nervosa in adolescent males: a review and case study. Hamlett KW, et al. **Child Psychiatry Hum Dev** 1990 Winter;21(2):79–94 (46 ref.)

Are boys more vulnerable to psychosocial growth retardation? Rudolf MC, et al. **Dev Med Child Neurol** 1990 Nov;32(11):1022–5 (38 ref.)

Love and violence: gender paradoxes in volatile attachments. Goldner V, et al. **Fam Process** 1990 Dec;29(4):343–64 (34 ref.)

Gender, stress, and health. Baum A, et al. **Health Psychol** 1991;10(2):80–5 (58 ref.)

Gender differences in tobacco use. Grunberg NE, et al. **Health Psychol** 1991;10(2):143–53 (110 ref.)

Gender differences in eating behavior and body weight regulation. Rolls BJ, et al. **Health Psychol** 1991; 10(2):133–42 (90 ref.)

Gender differences in social support and physical health. Shumaker SA, et al. **Health Psychol** 1991;10(2):102–11 (84 ref.)

Pornography and/as degradation. Jarvie I. **Int J Law Psychiatry** 1991;14(1–2):13–27 (35 ref.)

Treatment needs of alcohol-dependent women. Nespor K. **Int J Psychosom** 1990;37(1–4):50–2 (9 ref.)

Ontogenesis of boyhood gender identity disorder. Coates S. **J Am Acad Psychoanal** 1990 Fall;18(3):414–38 (63 ref.)

Gender differences in psychosocial determinants of adolescent smoking. Clayton S. **J Sch Health** 1991 Mar; 61(3):115–20 (28 ref.)

Women, alcohol and incest: an analytical review. Hurley DL. **J Stud Alcohol** 1991 May;52(3):253–68 (100 ref.)

Adolescent sexuality: current issues. Bidwell RJ, et al. **Pediatr Ann** 1991 Jun;20(6):293–4, 297–300, 302 (26 ref.)

Gender and the influence of evaluations on self-assessments in achievement settings. Roberts TA. **Psychol Bull** 1991 Mar;109(2):297–308 (110 ref.)

Profiling of wife assaulters: preliminary evidence for a trimodal analysis. Dutton DG. **Violence Vict** 1988 Spring; 3(1):5–29 (110 ref.)

Male abuse of a married or cohabiting female partner: the application of sociological theory to research findings. Ellis D. **Violence Vict** 1989 Winter;4(4):235–55 (95 ref.)

Sexual conquest and patterns of black-on-black violence: a structural-cultural perspective. Oliver W. **Violence Vict** 1989 Winter;4(4):257–73 (105 ref.)

Symptom sensitivity and sex differences in physical morbidity: a review of health surveys in the United States and The Netherlands. Gijsbers van Wijk CM, et al. **Women Health** 1991;17(1):91–124 (58 ref.)

[Gender dysphoria and transsexualism. Psychiatric aspects] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1990 Nov; 148(9):775–81 (13 ref.) **(Fre)**

[Separation--aloneness--departure as steps in female development from the psychoanalytic viewpoint] Boothe B. **Z Psychosom Med Psychoanal** 1990;36(4):316–31 (35 ref.) (Eng. Abstr.) **(Ger)**

[The "daughterly" existence. Unanswered questions about the female Oedipus complex] Rohde-Dachser C. **Z Psychosom Med Psychoanal** 1990;36(4):303–15 (40 ref.) (Eng. Abstr.) **(Ger)**

GENDER ROLE see **GENDER IDENTITY**

GENE ACTION REGULATION see **GENE EXPRESSION REGULATION**

GENE ACTIVATION see **GENE EXPRESSION REGULATION**

GENE AMPLIFICATION

Gene amplification and insecticide resistance. Devonshire AL, et al. **Annu Rev Entomol** 1991;36:1–23 (103 ref.)

Oncogene amplification in neoplastic development and progression of human cancers. Schwab M. **Crit Rev Oncog** 1990;2(1):35–51 (129 ref.)

Amplification of cellular oncogenes: a predictor of clinical outcome in human cancer. Schwab M, et al. **Genes Chromosom Cancer** 1990 Jan;1(3):181–93 (94 ref.)

New strategies in microbiological diagnosis. Pallen MJ, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:147–58 (66 ref.)

The role of gene amplification in clinical resistance to chemotherapy: a review. Ferguson PJ. **J Otolaryngol** 1991 Apr;20(2):130–6 (69 ref.)

Amplification of DNA sequences in mammalian cells. Hamlin JL, et al. **Prog Nucleic Acid Res Mol Biol** 1991;41:203–39 (241 ref.)

Methodologies for in vitro nucleic acid amplification and their applications. Gingeras TR, et al. **Vet Microbiol** 1990 Sep;24(3–4):235–51 (30 ref.)

DRUG EFFECTS

Review: gene amplification--a cellular response to genotoxic stress. Lüke-Huhle C. **Mol Toxicol** 1989 Oct–Dec; 2(4):237–53 (52 ref.)

GENETICS

Follow-up study of HER-2/neu amplification in primary breast cancer. Clark GM, et al. **Cancer Res** 1991 Feb 1; 51(3):944–8 (45 ref.)

HER-2/neu oncogene amplification and expression in breast and ovarian cancers. Press MF, et al. **Prog Clin Biol Res** 1990;354A:209–21 (35 ref.)

[DNA amplification and its application in medicine] Estivill X, et al. **Med Clin (Barc)** 1991 Mar 9;96(9):341–9 (113 ref.) **(Spa)**

PHYSIOLOGY

Gene amplification and drug resistance. Brown R. **J Pathol** 1991 Apr;163(4):287–92 (21 ref.)

GENE BANK see **GENE LIBRARY**

GENE CLUSTERS see **GENES, REITERATED**

GENE CONVERSION

Oncogenic conversion by regulatory changes in transcription factors. Lewin B. **Cell** 1991 Jan 25;64(2):303–12 (54 ref.)

GENETICS

Regulation of fission yeast mating-type interconversion by chromosome imprinting. Klar AJ. **Dev Suppl** 1990;:3–8 (27 ref.)

GENE DELETION see **CHROMOSOME DELETION**

GENE DUPLICATION see **GENES, REITERATED**

GENE EXPRESSION

see related
PHENOTYPE

Strategies for analysis of gene expression: pulmonary surfactant proteins. Stripp BR, et al. **Am J Physiol** 1990 Oct;259(4 Pt 1):L185–97 (133 ref.)

Quantitative approaches for studying gene expression. Wiesner RJ, et al. **Am J Physiol** 1991 Apr;260(4 Pt

1):L179–88 (59 ref.)
Cell–specific gene expression in plants. Edwards JW, et al. **Annu Rev Genet** 1990;24:275–303 (218 ref.)
The c–myc proto–oncogene in invasive carcinomas of the uterine cervix: clinical relevance of overexpression in early stages of the cancer. Riou GF, et al. **Anticancer Res** 1990 Sep–Oct;10(5A):1225–31 (36 ref.)
X–linked gene expression and sex determination in Caenorhabditis elegans. Meneely PM. **Bioessays** 1990 Nov; 12(11):513–8 (29 ref.)
Position effects, methylation and inherited epigenetic states. Wilkins AS. **Bioessays** 1990 Aug;12(8):385–6 (14 ref.)
Effects of human growth hormone on reproductive and neuroendocrine functions in transgenic mice. Bartke A, et al. **Biotechnology** 1991;16:237–48 (34 ref.)
Studies on transgenic fish: gene transfer, expression, and inheritance. Powers DA, et al. **Biotechnology** 1991; 16:307–24 (38 ref.)
Application of germline transformation to the study of myogenesis. Shani M. **Biotechnology** 1991;16:55–64 (31 ref.)
Mammary epithelial cells, extracellular matrix, and gene expression. Streuli CH, et al. **Cancer Treat Res** 1991; 53:365–81 (22 ref.)
The molecular biology of acute myeloid leukemia. Proto–oncogene expression and function in normal and neoplastic myeloid cells. Willman CL, et al. **Clin Lab Med** 1990 Dec;10(4):769–96 (126 ref.)
Signal transduction and gene expression in Dictyostelium discoideum. Dottin RP, et al. **Dev Genet** 1991;12(1–2):2–5 (33 ref.)
Codon bias and gene expression. Kurland CG. **FEBS Lett** 1991 Jul 22;285(2):165–9 (48 ref.)
HLA and IDDM: facts and speculations on the disease gene and its mode of inheritance. Rubinstein P. **Hum Immunol** 1991 Apr;30(4):270–7 (46 ref.)
Gene expression in Xenopus oocytes. Wang HC, et al. **Int J Biochem** 1991;23(3):271–6 (46 ref.)
Changes in gene expression during cardiac growth. Lompré AM, et al. **Int Rev Cytol** 1991;124:137–86 (266 ref.)
Divergence and differential expression of actin gene families in higher plants. Meagher RB. **Int Rev Cytol** 1991; 125:139–63 (95 ref.)
Collagen gene expression and tooth development. An overview. Andujar MB, et al. **J Biol Buccale** 1990 Jun; 18(2):117–22 (51 ref.)
Use of Xenopus oocytes for the functional expression of plasma membrane proteins. Sigel E. **J Membr Biol** 1990 Sep;117(3):201–21 (262 ref.)
Genomic imprinting in mammalian development: a parental tug–of–war. Moore T, et al. **Trends Genet** 1991 Feb; 7(2):45–9 (37 ref.)
[Expression of P–glycoprotein 170 (GP 170) and drug resistance in human cancers] Bourhis J, et al. **Bull Cancer (Paris)** 1990;77(10):957–65 (34 ref.) (Eng. Abstr.) **(Fre)**
[Gene expression in the cells of the central nervous system] Takahashi Y. **Seikagaku** 1991 Apr;63(4):253–81 (199 ref.) **(Jpn)**

DRUG EFFECTS

Mechanism of chromium(VI) carcinogenesis. Reactive intermediates and effect on gene expression. Wetterhahn KE, et al. **Biol Trace Elem Res** 1989 Jul–Sep;21:405–11 (25 ref.)
Pharmacologic modulation of fetal globin gene expression in the perinatal period. Perrine SP. **Semin Perinatol** 1990 Oct;14(5):346–50 (29 ref.)
[The effect of translation inhibitor cycloheximide on expression of mammalian genes] Chesnokov VN, et al. **Biokhimiia** 1990 Jul;55(7):1276–8 (17 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Genomic imprinting. Hall JG. **Arch Dis Child** 1990 Oct;65(10 Spec No):1013–5 (16 ref.)
Heterochromatization and euchromatization of whole genomes in scale insects (Coccoidea: Homoptera). Nur U. **Dev Suppl** 1990;:29–34 (27 ref.)
Implications of DNA replication for eukaryotic gene expression. Wolffe AP. **J Cell Sci** 1991 Jun;99 (Pt 2):201–6 (79 ref.)

PHYSIOLOGY

Expression of the uteroglobin promoter in epithelial cell lines from endometrium. Helftenbein G, et al. **Ann N Y Acad Sci** 1991;622:69–79 (28 ref.)
Role of free radicals in senescence. Allen RG. **Annu Rev Gerontol Geriatr** 1990;10:198–213 (66 ref.)
Molecular genetic approaches to mechanisms of senescence. Goldstein S. **Annu Rev Gerontol Geriatr** 1990;10:97–116 (79 ref.)
Biological signals of cardiac hypertrophy. Samuel JL, et al. **Eur Heart J** 1990 Nov;11 Suppl G:1–7 (60 ref.)
Targeting gene expression to the epidermis of transgenic mice: potential applications to genetic skin disorders. Rothnagel JA, et al. **J Invest Dermatol** 1990 Nov; 95(5):59S–61S (24 ref.)
Implications of erbB–2 overexpression for basic science and clinical medicine. King CR, et al. **Semin Cancer Biol** 1990 Oct;1(5):329–37 (57 ref.)
[Hormonal control of gene expression] André J. **Pediatrie** 1990;45(11):753–61 (14 ref.) (Eng. Abstr.) **(Fre)**

GENE EXPRESSION REGULATION

see related
CELL DIFFERENTIATION
CHROMOSOMAL PROTEINS, NON–HISTONE
TRANS–ACTIVATORS
TRANSCRIPTION FACTORS

Regulation of gene expression by insulin. Castaño JG. **Adv Enzyme Regul** 1991;31:185–94 (46 ref.)
Alternative splicing is an efficient mechanism for the generation of protein diversity: contractile protein genes as a model system. Nadal–Ginard B, et al. **Adv Enzyme Regul** 1991;31:261–86 (88 ref.)
Regulation of extrarenal erythropoietin production. Fried W. **Adv Exp Med Biol** 1989;271:39–51 (46 ref.)
Regulation of heme biosynthesis in chick embryo liver cells. Marks GS, et al. **Adv Exp Med Biol** 1989;271:123–33 (30 ref.)
Activation, structure, and organization of genes involved in microbial defense in plants. Dixon RA, et al. **Adv Genet** 1990;28:165–234 (410 ref.)
Molecular and cellular biology of the heat–shock response. Nagao RT, et al. **Adv Genet** 1990;28:235–74 (161 ref.)
Cellular and molecular biology of hepatocyte growth, regeneration and gene expression. Leffert HL, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:352–8 (22 ref.)
MPF and cell cycle control. Maller JL. **Adv Second Messenger Phosphoprotein Res** 1990;24:323–8 (40 ref.)
Glucocorticoids and gene expression. Venkatesh VC, et al. **Am J Respir Cell Mol Biol** 1991 Apr;4(4):301–3 (12 ref.)
Reporter genes: application to the study of mammalian gene transcription. Alam J, et al. **Anal Biochem** 1990 Aug 1; 188(2):245–54 (64 ref.)
Developmental and hormonal regulation of gene expression in oligodendrocytes. de Vellis J. **Ann N Y Acad Sci** 1990; 605:81–9 (26 ref.)
Abnormal regulation of the myelin basic protein gene during development of the myelin–deficient mouse. Matthieu JM, et al. **Ann N Y Acad Sci** 1990;605:240–7 (48 ref.)
Translational control in mammalian cells. Hershey JW. **Annu Rev Biochem** 1991;60:717–55 (245 ref.)
The regulation of histone synthesis in the cell cycle. Osley MA. **Annu Rev Biochem** 1991;60:827–61 (230 ref.)
Immunogenetic markers as probes for polymorphism, gene regulation and gene transfer in man—the Gm system in perspective. Grubb R. **APMIS** 1991 Mar;99(3):199–209 (83 ref.)
Function and regulation of expression of pulmonary surfactant–associated proteins. Weaver TE, et al. **Biochem J** 1991 Jan 15;273(Pt 2):249–64 (221 ref.)
Xenopus transcription factors: key molecules in the developmental regulation of differential gene expression. Wolffe AP. **Biochem J** 1991 Sep 1;278 (Pt 2):313–24 (152 ref.)
A novel mechanism for eukaryotic gene expression. The involvement of DNA tertiary structure in estrogen receptor recognition of its target nucleotide sequence. Lannigan DA, et al. **Biochem Pharmacol** 1990 Dec 15;40(12):2579–85 (41 ref.)
Control of gene expression in adult skeletal muscle by changes in the inherent level of contractile activity. Booth FW, et al. **Biochem Soc Trans** 1991 Apr;19(2):374–8 (28 ref.)
Role of oncogenes in the regulation of MHC antigen expression. Maudsley DJ. **Biochem Soc Trans** 1991 Apr; 19(2):291–6 (34 ref.)
Regulation of gene expression by the thyroid hormone receptor. Glass CK, et al. **Biochim Biophys Acta** 1990 Dec 11;1032(2–3):157–76 (172 ref.)
The regulation of histone gene expression during the cell cycle. Heintz N. **Biochim Biophys Acta** 1991 Mar 26; 1088(3):327–39 (69 ref.)
Gene regulation by interleukin 6. Fey GH, et al. **Biochimie** 1991 Jan;73(1):47–50 (26 ref.)
Genetic and molecular analysis of the Ah receptor and of Cyp1a1 gene expression. Hankinson O, et al. **Biochimie** 1991 Jan;73(1):61–6 (37 ref.)
Animal cell shape changes and gene expression. Ben–Ze'ev A. **Bioessays** 1991 May;13(5):207–12 (51 ref.)
Gap genes and gradients—the logic behind the gaps. Hülskamp M, et al. **Bioessays** 1991 Jun;13(6):261–8 (50 ref.)
Transvection and long–distance gene regulation. Pirrotta V. **Bioessays** 1990 Sep;12(9):409–14 (44 ref.)
Puffs and gene regulation—molecular insights into the Drosophila ecdysone regulatory hierarchy. Thummel CS. **Bioessays** 1990 Dec;12(12):561–8 (46 ref.)
Regulation of tissue– and development–specific gene expression in the liver. Benvenisty N, et al. **Biol Neonate** 1991;59(4):181–9 (39 ref.)
Mechanisms for the control of gene activity during development. Holliday R. **Biol Rev Camb Philos Soc** 1990 Nov;65(4):431–71 (199 ref.)
The activation and silencing of gene transcription in the liver. Camper SA, et al. **Biotechnology** 1991;16:81–7 (24 ref.)
Steroid hormone receptors as transactivators of gene expression. O'Malley BW. **Biotechnology** 1991;16:35–41 (12 ref.)
Regulation of expression of a class I MHC transgene. Singer DS, et al. **Biotechnology** 1991;16:153–9 (20 ref.)
Regulation of gene expression. Evan G. **Br Med Bull** 1991 Jan;47(1):116–35 (56 ref.)
Regulation of c–fos expression in Swiss 3T3 cells: an interplay of multiple signal transduction pathways. Mehmet H, et al. **Br Med Bull** 1991 Jan;47(1):76–86 (36 ref.)
Cross–coupling of AP–1 and intracellular hormone receptors. Lamph WW. **Cancer Cells** 1991 May;3(5):183–5 (20 ref.)
Modular structure of transcription factors: implications for gene regulation. Frankel AD, et al. **Cell** 1991 May 31; 65(5):717–9 (33 ref.)
Oncogenic conversion by regulatory changes in transcription factors. Lewin B. **Cell** 1991 Jan 25;64(2):303–12 (54 ref.)
Globin gene regulation and switching: circa 1990. Orkin SH. **Cell** 1990 Nov 16;63(4):665–72 (10 ref.)
Regulation of transcription and cell identity by POU domain proteins. Ruvkun G, et al. **Cell** 1991 Feb 8;64(3):475–8 (29 ref.)
Positional cues and differential gene expression in somatic embryos of higher plants. Racusen RH, et al. **Cell Differ Dev** 1990 Jun;30(3):159–69 (79 ref.)
Tumour necrosis factor signal transduction. Krönke M, et al. **Cell Signal** 1990;2(1):1–8 (71 ref.)
Molecular biology of myelin basic protein: gene rearrangement and expression of anti–sense RNA in myelin–deficient mutants. Mikoshiba K, et al. **Comp Biochem Physiol [C]** 1991;98(1):51–61 (82 ref.)
Transcriptional regulation of the erythropoietin gene. Caro J, et al. **Contrib Nephrol** 1991;88:10–6; discussion 17 (16 ref.)
The regulation of erythropoietin gene expression. Goldwasser E, et al. **Contrib Nephrol** 1991;88:2–7; discussion 8–9 (14 ref.)
Regulation of sugar and ethanol metabolism in Saccharomyces cerevisiae. Wills C. **Crit Rev Biochem Mol Biol** 1990;25(4):245–80 (359 ref.)
Regulation of the expression of class I MHC genes. Singer DS, et al. **Crit Rev Immunol** 1990;10(3):235–57 (196 ref.)
Mechanistic advances in eukaryotic gene activation. Carey M. **Curr Opin Cell Biol** 1991 Jun;3(3):452–60 (46 ref.)
Cytosine methylation in gene–silencing mechanisms. Chomet PS. **Curr Opin Cell Biol** 1991 Jun;3(3):438–43 (37 ref.)
Signal transduction and gene control. Karin M. **Curr Opin Cell Biol** 1991 Jun;3(3):467–73 (51 ref.)
Bone cell differentiation: a functionally coupled relationship between expression of cell–growth– and tissue–specific genes. Stein GS, et al. **Curr Opin Cell Biol** 1990 Dec; 2(6):1018–27 (24 ref.)
Regulation of intermediate filament gene expression. Zehner ZE. **Curr Opin Cell Biol** 1991 Feb;3(1):67–74 (56 ref.)
Regulation of MHC class II gene transcription. Kara CJ, et al. **Curr Opin Immunol** 1991 Feb;3(1):16–21 (35 ref.)
Chimeric genes and transgenic plants are used to study the regulation of genes involved in symbiotic plant–microbe interactions (nodulin genes). de Bruijn FJ, et al. **Dev Genet** 1990;11(3):182–96 (101 ref.)
Regulation of nuclear genes encoding chloroplast proteins in transgenic plants. Fluhr R. **Dev Genet** 1990;11(3):197–204 (53 ref.)
Cell cycle–regulated gene expression in transgenic plant cells. Kawata T, et al. **Dev Genet** 1990;11(3):205–13 (39 ref.)
Expression of the insulin–like growth factor–I gene and its products: complex regulation by tissue specific and hormonal factors. Simmen FA. **Domest Anim Endocrinol** 1991 Apr;8(2):165–78 (121 ref.)
Uterine insulin–like growth factor–1: regulation of expression and its role in estrogen–induced uterine proliferation. Murphy LJ, et al. **Endocr Rev** 1990 Aug;11(3):443–53 (97 ref.)
How are the regulators regulated? Falvey E, et al. **FASEB J** 1991 Mar 1;5(3):309–14 (51 ref.)
Relationship of cell growth to the regulation of tissue–specific gene expression during osteoblast differentiation. Stein GS, et al. **FASEB J** 1990 Oct; 4(13):3111–23 (51 ref.)
Superfamily of steroid nuclear receptors: positive and negative regulators of gene expression. Wahli W, et al. **FASEB J** 1991 Jun;5(9):2243–9 (58 ref.)
The control of interferon–inducible gene expression. Kerr IM, et al. **FEBS Lett** 1991 Jul 22;285(2):194–8 (43 ref.)
Regulation of protein synthesis at the elongation stage. New insights into the control of gene expression in eukaryotes. Ryazanov AG, et al. **FEBS Lett** 1991 Jul 22;285(2):170–5 (80 ref.)
Genes and development: molecular and logical themes. Brenner S, et al. **Genetics** 1990 Nov;126(3):479–86 (41 ref.)
Influence of genome imprinting on gene expression, phenotypic variations and development. Surani MA. **Hum Reprod** 1991 Jan;6(1):45–51 (52 ref.)
Cell–surface molecules in the regulation of immune responsiveness. Zaleski MB. **Immunol Invest** 1991 Apr; 20(2):103–31 (88 ref.)
Transcriptional regulation of HLA class–II genes. Peterlin BM, et al. **Immunol Res** 1990;9(3):164–77 (83 ref.)
Control of gamma delta T–cell development. Raulet DH, et al. **Immunol Rev** 1991 Apr;120:185–204 (73 ref.)
Molecular mechanisms involved in the regulation of gene expression during cell differentiation and development. Harrison PR. **Immunol Ser** 1990;49:411–64 (335 ref.)
Role of differentiation induction in tumor suppression. Marks PA, et al. **Immunol Ser** 1990;51:201–16 (74 ref.)
Control of tumor virus expression by host cell genes. zur

Hausen H. **Immunol Ser** 1990;51:107–21 (58 ref.)
Towards a molecular understanding of T-cell differentiation. Clevers HC, et al. **Immunol Today** 1991 Feb;12(2):86–92 (58 ref.)
The regulation and expression of MHC class I genes. David-Watine B, et al. **Immunol Today** 1990 Aug; 11(8):286–92 (75 ref.)
Expression of cloned genes and translation of messenger RNA in microinjected Xenopus oocytes. Heikkila JJ. **Int J Biochem** 1990;22(11):1223–8 (74 ref.)
Cell lineage-specific and developmental stage-specific controls of MHC class-II-antigen expression. Accolla RS, et al. **Int J Cancer Suppl** 1991;6:20–5 (25 ref.)
Differentiation requires continuous regulation. Blau HM, et al. **J Cell Biol** 1991 Mar;112(5):781–3 (34 ref.)
Developmental and hormonal regulation of surfactant protein A (SP-A) gene expression in fetal lung. Mendelson CR, et al. **J Dev Physiol** 1991 Jan;15(1):61–9 (30 ref.)
Genomic imprinting: a gene regulatory phenomenon with important implications for micromanipulation-assisted in vitro fertilization (IVF). Gordon JW, et al. **J In Vitro Fert Embryo Transf** 1991 Feb;8(1):5–14 (51 ref.)
Induction of heat shock (stress) genes in the mammalian brain by hyperthermia and other traumatic events: a current perspective. Brown IR. **J Neurosci Res** 1990 Nov; 27(3):247–55 (110 ref.)
Chromosome rearrangement, oncogene activation, and other clonal events in cancer: their use in molecular diagnostics. Wiedemann LM, et al. **J Pathol** 1991 Jan;163(1):7–12 (10 ref.)
Regulation of expression of a class I major histocompatibility complex transgene. Maguire JE, et al. **J Reprod Fertil Suppl** 1990;41:59–62 (13 ref.)
Thymidine kinase. Kit S. **Microbiol Sci** 1985 Dec; 2(12):369–75 (26 ref.)
Genomic imprinting in microorganisms. Casadesús J, et al. **Microbiologia** 1990 Jun;6(1):1–10 (41 ref.)
Regulation of the human C-reactive protein gene, a major marker of inflammation and cancer. Toniatti C, et al. **Mol Biol Med** 1990 Jun;7(3):199–212 (63 ref.)
Historic overview of studies on fatty acid-binding proteins. Ockner RK. **Mol Cell Biochem** 1990 Oct 15–Nov 8; 98(1–2):3–9 (32 ref.)
Molecular events regulating messenger RNA stability in eukaryotes. Saini KS, et al. **Mol Cell Biochem** 1990 Jul 17;96(1):15–23 (73 ref.)
Pituitary gonadotropin gene regulation. Mercer JE. **Mol Cell Endocrinol** 1990 Oct 1;73(1):C63–7 (60 ref.)
Mechanisms for diversity in gene expression patterns. Struhl K. **Neuron** 1991 Aug;7(2):177–81 (33 ref.)
Compartmentalized transcription of acetylcholine receptor genes during motor endplate epigenesis. Changeux JP. **New Biol** 1991 May;3(5):413–29 (210 ref.)
Multiple determinants of eukaryotic mRNA stability. Cleveland DW, et al. **New Biol** 1989 Nov;1(2):121–6 (33 ref.)
Synergistic activation of eukaryotic transcription: the multiacceptor target hypothesis. Herbomel P. **New Biol** 1990 Dec;2(12):1063–70 (70 ref.)
From gene to chromosome: organization levels defined by the interplay of transcription and replication in vertebrates. Herbomel P. **New Biol** 1990 Nov;2(11):937–45 (73 ref.)
Cell-type-specific splicing factors and the regulation of alternative RNA splicing. Latchman DS. **New Biol** 1990 Apr;2(4):297–303 (36 ref.)
Mouse versions of fly developmental control genes: legitimate or illegitimate relatives? Lobe CG, et al. **New Biol** 1989 Oct;1(1):9–18 (65 ref.)
Gene regulation from sites near and far. Magasanik B. **New Biol** 1989 Dec;1(3):247–51 (19 ref.)
Unequal parental contributions: genomic imprinting in mammals. Shire JG. **New Biol** 1989 Nov;1(2):115–20 (53 ref.)
Control of antigenic variation in African trypanosomes. Van der Ploeg LH. **New Biol** 1991 Apr;3(4):324–30 (85 ref.)
Prodynorphin gene expression in neuronal and endocrine cell types. Douglass J. **NIDA Res Monogr** 1991;105:109–15 (24 ref.)
Expression of a retinoic acid-receptor gene is regulated by retinoic acid itself. **Nutr Rev** 1990 Sep;48(9):355–7 (9 ref.)
Trophic regulation of basal forebrain gene expression in aging and Alzheimer's disease. Higgins GA, et al. **Prog Brain Res** 1990;86:239–55 (87 ref.)
Regulation of metallothionein gene expression. Andrews GK. **Prog Food Nutr Sci** 1990;14(2–3):193–258 (272 ref.)
Stable DNA loops in vivo and in vitro: roles in gene regulation at a distance and in biophysical characterization of DNA. Bellomy GR, et al. **Prog Nucleic Acid Res Mol Biol** 1990;39:81–128 (159 ref.)
Tissue-specific expression of the growth hormone gene and its control by growth hormone factor-1. Karin M, et al. **Recent Prog Horm Res** 1990;46:43–57; discussion 57–8 (51 ref.)
Regulation of erythropoietin gene expression. Caro J, et al. **Semin Hematol** 1991 Jul;28(3 Suppl 3):42–5; discussion 45–6 (14 ref.)
Transcription factor regulation of hematopoietic lineage cells. Engel JD, et al. **Semin Hematol** 1991 Apr;28(2):158–69 (49 ref.)
Regulation of the erythropoietin gene in Hep 3B cells. Goldberg MA, et al. **Semin Hematol** 1991 Jul;28(3 Suppl 3):35–40; discussion 40–1 (12 ref.)
Some aspects of the regulation of erythropoietin gene expression. Goldwasser E, et al. **Semin Hematol** 1991 Jul; 28(3 Suppl 3):28–33; discussion 33–4 (5 ref.)
Effects of chronic electrostimulation on muscle gene expression. Pette D. **Semin Thorac Cardiovasc Surg** 1991 Apr;3(2):101–5 (35 ref.)
Application of molecular genetics to transplantation immunology. Miller JF. **Transplant Proc** 1991 Feb;23(1 Pt 2):1717–8 (7 ref.)
News from the nucleolus: rRNA gene expression. Sollner-Webb B, et al. **Trends Biochem Sci** 1991 Feb; 16(2):58–62 (49 ref.)
Amaizing results. Birchler J. **Trends Genet** 1990 Aug; 6(8):231–3 (0 ref.)
What do the regulators regulate? First glimpse downstream. Budd PS, et al. **Trends Genet** 1991 Mar;7(3):74–6 (13 ref.)
Cell type specification during sea urchin development. Cameron RA, et al. **Trends Genet** 1991 Jul;7(7):212–8 (46 ref.)
The initiation of chromosomal DNA replication in eukaryotes. Diffley JF, et al. **Trends Genet** 1990 Dec; 6(12):427–32 (39 ref.)
Post-meiotic gene expression. Erickson RP. **Trends Genet** 1990 Aug;6(8):264–9 (40 ref.)
Imprinting a determined state into the chromatin of Drosophila. Paro R. **Trends Genet** 1990 Dec;6(12):416–21 (41 ref.)
Germ-line sex determination in Drosophila melanogaster. Pauli D, et al. **Trends Genet** 1990 Aug;6(8):259–64 (42 ref.)
Czech mouse. Rastan S. **Trends Genet** 1990 Aug;6(8):233–6 (5 ref.)
The functional organization of chromosomes and the nucleus—a special issue. Stewart A. **Trends Genet** 1990 Dec;6(12):377–9 (13 ref.)
Opposite imprinting of the mouse Igf2 and Igf2r genes. Willison K. **Trends Genet** 1991 Apr;7(4):107–9 (16 ref.)
Toward an understanding of plant gene regulation: the action of nuclear factors. Weising K, et al. **Z Naturforsch [C]** 1991 Jan–Feb;46(1–2):1–11 (131 ref.)
[Genes of pituitary gonadotropin hormones and their regulation] Counis R. **Ann Endocrinol (Paris)** 1990; 51(2):72–81 (58 ref.) (Eng. Abstr.) **(Fre)**
[Antigenic variation of African trypanosomes] Pays E. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:5–10 (12 ref.) (Eng. Abstr.) **(Fre)**
[Expression of the renin and angiotensinogen genes] Iwao H, et al. **Nippon Yakurigaku Zasshi** 1991 Jan;97(1):1–11 (72 ref.) (Eng. Abstr.) **(Jpn)**
[Cellular responses by cytokines—gene regulation in the IFN system] Taniguchi T. **Rinsho Ketsueki** 1991 Apr;32(4):301–6 (9 ref.) (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Regulation of gene expression by insulin. O'Brien RM, et al. **Biochem J** 1991 Sep 15;278 (Pt 3):609–19 (181 ref.)
Growth factor-responsive genes in fibroblasts. Bravo R. **Cell Growth Differ** 1990 Jun;1(6):305–9 (71 ref.)
Transcriptional regulation of mouse mammary tumor virus by steroid hormones. Beato M. **Crit Rev Oncog** 1991; 2(3):195–210 (168 ref.)
Iron regulation of ferritin gene expression. Munro HN. **J Cell Biochem** 1990 Oct;44(2):107–15 (26 ref.)
Characteristics of the cAMP response unit. Montminy MR, et al. **Recent Prog Horm Res** 1990;46:219–29; discussion 29–30 (20 ref.)
Non-genomic and genomic effects of steroids on neural activity. McEwen BS. **Trends Pharmacol Sci** 1991 Apr; 12(4):141–7 (37 ref.)

GENETICS

Control of globin gene transcription. Evans T, et al. **Annu Rev Cell Biol** 1990;6:95–124 (155 ref.)
Position effects on eukaryotic gene expression. Wilson C, et al. **Annu Rev Cell Biol** 1990;6:679–714 (170 ref.)
Autosomal and X-chromosome imprinting. Cattanach BM, et al. **Dev Suppl** 1990;:63–72 (60 ref.)
Genetic imprinting in clinical genetics. Clarke A. **Dev Suppl** 1990;:131–9 (75 ref.)
How imprinting is relevant to human disease. Hall JG. **Dev Suppl** 1990;:141–8 (43 ref.)
Genomic imprinting and allelic exclusion. Holliday R. **Dev Suppl** 1990;:125–9 (31 ref.)
Genome imprinting and development in the mouse. Surani MA, et al. **Dev Suppl** 1990;:89–98 (59 ref.)
Expression of the 12E7 antigen is controlled independently by genes on the human X and Y chromosomes. Goodfellow P. **Differentiation** 1983;23 Suppl:S35–9 (38 ref.)
Growth regulation of the PCNA gene. Baserga R. **J Cell Sci** 1991 Apr;98 (Pt 4):433–6 (46 ref.)
Implications for genetic toxicology of the chromosomal breakage syndromes. Heddle JA. **Mutat Res** 1991 Apr; 247(2):221–9 (15 ref.)
Molecular zippers in gene regulation. McKnight SL. **Sci Am** 1991 Apr;264(4):54–64 (6 ref.)

PHYSIOLOGY

Control of c-myc regulation in normal and neoplastic cells. Spencer CA, et al. **Adv Cancer Res** 1991;56:1–48 (214 ref.)
Transcriptional regulation of the human apolipoprotein genes. Zannis VI, et al. **Adv Exp Med Biol** 1991;285:1–23 (93 ref.)
Thyroid hormone regulation of gene expression. Brent GA, et al. **Annu Rev Physiol** 1991;53:17–35 (74 ref.)
Regulation of adrenergic receptor responsiveness through modulation of receptor gene expression. Collins S, et al. **Annu Rev Physiol** 1991;53:497–508 (44 ref.)
Regulation of acetylcholine receptor gene expression by neural factors and electrical activity during motor endplate formation. Changeux JP, et al. **Biochem Soc Symp** 1990; 56:9–12 (31 ref.)
Transcription factor phosphorylation: a link between signal transduction and the regulation of gene expression. Bohmann D. **Cancer Cells** 1990 Nov;2(11):337–44 (48 ref.)
Transcriptional regulation of interferon-stimulated genes. Williams BR. **Eur J Biochem** 1991 Aug 15;200(1):1–11 (110 ref.)
Gene expression during erythropoiesis. Takeshita K, et al. **Int J Cell Cloning** 1991 Mar;9(2):109–22 (86 ref.)
Toward a molecular etiology of Alzheimer's disease. Banner C. **Int Psychogeriatr** 1990 Fall;2(2):135–47 (60 ref.)
Transcriptional regulation of hepatic angiotensinogen gene expression by the acute-phase response. Ron D, et al. **Mol Cell Endocrinol** 1990 Dec 21;74(3):C97–104 (34 ref.)
Mechanisms of complex transcriptional regulation: implications for brain development. He X, et al. **Neuron** 1991 Aug;7(2):183–96 (220 ref.)
Cell type specific expression of the growth hormone gene and its control by GHF-1. Karin M, et al. **Nippon Naibunpi Gakkai Zasshi** 1990 Dec 20; 66(12):1205–20 (49 ref.)
Multidrug resistance gene family and chemical carcinogens. Thorgeirsson SS, et al. **Pharmacol Ther** 1991;49(3):283–92 (62 ref.)
Follistatin and activin: a potential intrinsic regulatory system within diverse tissues. DePaolo LV, et al. **Proc Soc Exp Biol Med** 1991 Oct;198(1):500–12 (117 ref.)
Variable expression in the functional psychoses. A comparison with Huntington's disease. Ridley RM, et al. **Schizophr Res** 1990 May–Jun;3(3):201–10 (95 ref.)
Making stripes in the Drosophila embryo. Pankratz MJ, et al. **Trends Genet** 1990 Sep;6(9):287–92 (34 ref.)
[Proto-oncogenes activation in human solid tumors] Birnbaum D, et al. **Bull Cancer (Paris)** 1990;77(9):857–75 (143 ref.) (Eng. Abstr.) **(Fre)**
[Regulation of liver-specific gene expression] Tsutsumi K, et al. **Seikagaku** 1991 Jun;63(6):428–33 (27 ref.) **(Jpn)**
[Expression of eukaryotic rDNA genes] Swat W, et al. **Postepy Biochem** 1990;36(1–2):4–13 (82 ref.) **(Pol)**
[Prospects for research on the modulation of gene activity during brain aging] Finch KE. **Fiziol Zh** 1990 Sep–Oct; 36(5):55–62 (39 ref.) (Eng. Abstr.) **(Rus)**
[Genoregulatory mechanisms of aging as a basis for the development of age-related pathology] Frol'kis VV. **Fiziol Zh** 1990 Sep–Oct;36(5):3–11 (28 ref.) (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Biological consequences of gene regulation after ionizing radiation exposure. Weichselbaum RR, et al. **J Natl Cancer Inst** 1991 Apr 3;83(7):480–4 (50 ref.)

GENE EXPRESSION REGULATION, BACTERIAL

The OxyR regulon. Storz G, et al. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):157–61 (17 ref.)
Oxygen regulated gene expression in Escherichia coli: control of anaerobic respiration by the FNR protein. Unden G, et al. **Antonie Van Leeuwenhoek** 1991 Feb;59(2):65–76 (93 ref.)
Transcriptional control—lessons from an E. coli promoter data base. Gralla JD. **Cell** 1991 Aug 9;66(3):415–8 (18 ref.)
Adaptation of Escherichia coli to respiratory conditions: regulation of gene expression. Iuchi S, et al. **Cell** 1991 Jul 12;66(1):5–7 (21 ref.)
FNR and its role in oxygen-regulated gene expression in Escherichia coli. Spiro S, et al. **FEMS Microbiol Rev** 1990 Aug;6(4):399–428 (184 ref.)
Expression of heterologous genes in E. coli. Harris TJ, et al. **Microbiol Sci** 1986 Jan;3(1):28–31 (30 ref.)
Gene transfer, recombination and gene cloning in Clostridium acetobutylicum. Jones DT, et al. **Microbiol Sci** 1986 Jan; 3(1):19–22 (27 ref.)
Triple post-transcriptional control. Bechhofer DH. **Mol Microbiol** 1990 Sep;4(9):1419–23 (26 ref.)
The regulation of genetic competence in Bacillus subtilis. Dubnau D. **Mol Microbiol** 1991 Jan;5(1):11–8 (52 ref.)
Regulation of bacterial gene expression by metal-protein complexes. Hennecke H. **Mol Microbiol** 1990 Oct; 4(10):1621–8 (77 ref.)
Protein H1: a role for chromatin structure in the regulation of bacterial gene expression and virulence? Higgins CF, et al. **Mol Microbiol** 1990 Dec;4(12):2007–12 (52 ref.)
Transcriptional regulatory cascade of nitrogen-fixation genes in anoxygenic photosynthetic bacteria: oxygen- and nitrogen-responsive factors. Kranz RG, et al. **Mol Microbiol** 1990 Nov;4(11):1793–800 (49 ref.)
Local DNA topology and gene expression: the case of the leu-500 promoter. Lilley DM, et al. **Mol Microbiol** 1991 Apr;5(4):779–83 (24 ref.)
Post-transcriptional control in the polycistronic operon environment: studies of the atp operon of Escherichia coli.

McCarthy JE. **Mol Microbiol** 1990 Aug;4(8):1233–40 (37 ref.)

The molecular basis of carbon-starvation-induced general resistance in Escherichia coli. Matin A. **Mol Microbiol** 1991 Jan;5(1):3–10 (27 ref.)

Signal transduction and gene regulation through the phosphorylation of two regulatory components: the molecular basis for the osmotic regulation of the porin genes. Mizuno T, et al. **Mol Microbiol** 1990 Jul;4(7):1077–82 (47 ref.)

Signal transduction in bacteria: kinases that control gene expression. Igo MM, et al. **New Biol** 1990 Jan;2(1):5–9 (33 ref.)

Nucleotide sequence of rmpB, a Klebsiella pneumoniae gene that positively controls, colanic biosynthesis in Escherichia coli. Vasselon T, et al. **Res Microbiol** 1991 Jan;142(1):47–54 (34 ref.)

The genetics of protein secretion in E. coli. Bieker KL, et al. **Trends Genet** 1990 Oct;6(10):329–34 (33 ref.)

Compartmentalized gene expression during sporulation in Bacillus subtilis. Kunkel B. **Trends Genet** 1991 May; 7(5):167–72 (39 ref.)

Bacterial defenses against oxidative stress. Storz G, et al. **Trends Genet** 1990 Nov;6(11):363–8 (36 ref.)

PHYSIOLOGY

DNA supercoiling and environmental regulation of gene expression in pathogenic bacteria. Dorman CJ. **Infect Immun** 1991 Mar;59(3):745–9 (58 ref.)

Agrobacterium in plant disease, biological disease control and plant genetic engineering. Clare BG. **Sci Prog** 1990; 74(293 Pt 1):1–13 (23 ref.)

Genetic mechanisms for modulating virulence determinants on the bacterial surface. Saunders JR. **Sci Prog** 1990;74(295 Pt 3):279–90 (16 ref.)

GENE EXPRESSION REGULATION, ENZYMOLOGIC

Regulation of gene expression by insulin. Castaño JG. **Adv Enzyme Regul** 1991;31:185–94 (46 ref.)

Regulation of glutathione transferase P gene during hepatocarcinogenesis of the rat. Muramatsu M, et al. **Adv Enzyme Regul** 1991;31:319–25 (17 ref.)

Prostaglandin endoperoxide synthase: regulation of enzyme expression. DeWitt DL. **Biochim Biophys Acta** 1991 May 8;1083(2):121–34 (112 ref.)

The regulation and nature of the cyanide-resistant alternative oxidase of plant mitochondria. Moore AL, et al. **Biochim Biophys Acta** 1991 Aug 23;1059(2):121–40 (182 ref.)

Hormonal regulation of liver phosphoenolpyruvate carboxykinase and glucokinase gene expression at weaning in the rat. Girard J, et al. **Biochimie** 1991 Jan;73(1):71–6 (36 ref.)

Positive and negative regulation of gene expression by insulin and glucagon: the model of L-type pyruvate kinase gene. Raymondjean M, et al. **Biochimie** 1991 Jan;73(1):41–5 (20 ref.)

Regulation of the expression of the sex-specific isoforms of cytochrome P-450 in rat liver. Kobliakov V, et al. **Eur J Biochem** 1991 Feb 14;195(3):585–91 (88 ref.)

Expression and in vivo amplification of the human acetylcholinesterase and butyrylcholinesterase genes. Soreq H, et al. **Prog Brain Res** 1990;84:51–61 (54 ref.)

A cell biologist's perspective on sites of Na,K-ATPase regulation. Fambrough DM, et al. **Soc Gen Physiol Ser** 1991;46:17–30 (27 ref.)

Regulation of the alpha-subunit genes of the Na,K-ATPase and determinants of cardiac glycoside sensitivity. Lingrel JB, et al. **Soc Gen Physiol Ser** 1991;46:1–16 (42 ref.)

[Regulation of pyruvate kinase gene expression and its clinical application] Noguchi T. **Rinsho Byori** 1990 Aug; 38(8):868–75 (26 ref.) (Eng. Abstr.) **(Jpn)**

[Imprinting of cytochrome P-450 and regulation of expression of its sex isoforms in the rat liver] Kobliakov VA, et al. **Vopr Onkol** 1990;36(12):1418–28 (69 ref.) **(Rus)**

DRUG EFFECTS

2,3,7,8-Tetrachlorodibenzo-p-dioxin induces cytochrome P450IA1 enzyme activity by activating transcription of the corresponding gene. Lusska AE, et al. **Adv Enzyme Regul** 1991;31:307–17 (48 ref.)

Nutritional effect and expression of SODs: induction and gene expression; diagnostics; prospective protection against oxygen toxicity. del Río LA, et al. **Free Radic Res Commun** 1991;12–13 Pt 2:819–27 (49 ref.)

Xenobiotic regulation of glutathione S-transferase Ya gene expression. Paulson KE. **Mol Toxicol** 1989 Oct-Dec; 2(4):215–35 (48 ref.)

PHYSIOLOGY

Ribonucleotide reductase and its regulation during the cell cycle. Fernandez-Sarabia MJ, et al. **Trends Genet** 1990 Sep; 6(9):275–6 (12 ref.)

[The structure and hormonal regulation of the expression of tyrosine aminotransferase genes in mammals] Mertvetsov NP, et al. **Probl Endokrinol (Mosk)** 1990 Jul-Aug; 36(4):42–51 (38 ref.) **(Rus)**

GENE EXPRESSION REGULATION, FUNGAL

Control of mitochondrial gene expression in Saccharomyces cerevisiae. Costanzo MC, et al. **Annu Rev Genet** 1990; 24:91–113 (156 ref.)

Interdependence of several heat shock gene activations, cyclic AMP decline and changes at the plasma membrane of Saccharomyces cerevisiae. Piper P. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):195–201 (29 ref.)

FAR-reaching discoveries about the regulation of START [published erratum appears in Cell 1991 Mar 8;64(5):following 1046] Nasmyth KA. **Cell** 1990 Dec 21; 63(6):1117–20 (24 ref.)

Impact of the Douglas-Hawthorne model as a paradigm for elucidating cellular regulatory mechanisms in fungi. Oshima Y. **Genetics** 1991 Jun;128(2):195–201 (46 ref.)

Regulation of gene expression in Aspergillus nidulans. Arst HN Jr. **Microbiol Sci** 1984 Sep;1(6):137–41 (40 ref.)

Secretion of mammalian polypeptides from yeast. Carter BL, et al. **Microbiol Sci** 1986 Jan;3(1):23–7 (36 ref.)

The yeast phosphatase system. Vogel K, et al. **Mol Microbiol** 1990 Dec;4(12):2013–7 (35 ref.)

Nucleosomes: regulators of transcription. Grunstein M. **Trends Genet** 1990 Dec;6(12):395–400 (35 ref.)

PHYSIOLOGY

Control of cAMP-induced gene expression by divergent signal transduction pathways. Peters DJ, et al. **Dev Genet** 1991;12(1–2):25–34 (86 ref.)

GENE EXPRESSION REGULATION, NEOPLASTIC

Enhanced expression of the cellular oncogene MYCN and progression of human neuroblastoma. Schwab M. **Adv Enzyme Regul** 1991;31:329–38 (38 ref.)

Transcriptional and translational regulation of the expression of the l(2)gl tumor suppressor gene of Drosophila melanogaster. Strand D, et al. **Adv Enzyme Regul** 1991; 31:339–50 (20 ref.)

Molecular biology of lymphoid malignancies. Kagan J, et al. **Ann Oncol** 1991 Feb;2 Suppl 2:9–21 (183 ref.)

Mutational activation of the c-K-ras gene in human pancreatic carcinoma. Shibata D, et al. **Baillieres Clin Gastroenterol** 1990 Mar;4(1):151–69 (96 ref.)

Transcription and cancer. Cox PM, et al. **Br J Cancer** 1991 May;63(5):651–62 (167 ref.)

Steroid modulation of the expression of growth factors and oncogenes in breast cancer. McCarty KS Jr, et al. **Cancer Treat Res** 1991;53:197–220 (125 ref.)

Expression of tenascin and of the ED-B containing oncofetal fibronectin isoform in human cancer. Nicolò G, et al. **Cell Differ Dev** 1990 Dec 2;32(3):401–8 (28 ref.)

Regulated expression of retroviruses and their oncogenes: models for tumor suppression. Wyke J, et al. **Immunol Ser** 1990;51:49–73 (56 ref.)

The role of the epidermal growth factor receptor and the c-erbB-2 protein in breast cancer. Gullick WJ. **Int J Cancer Suppl** 1990;5:55–61 (82 ref.)

Hormonal steroids act as tumour promoters by modulating oncogene expression [editorial] Sekeris CE. **J Cancer Res Clin Oncol** 1991;117(2):96–101 (30 ref.)

Hepatitis B virus as an insertional mutagene in a human hepatocellular carcinoma. Dejean A, et al. **Mol Biol Med** 1990 Jun;7(3):213–22 (35 ref.)

Role of DNA methylation in the activation of proto-oncogenes and the induction of pulmonary neoplasia by nitrosamines. Belinsky SA, et al. **Mutat Res** 1990 Nov-Dec;233(1–2):105–16 (44 ref.)

[Activation of ras oncogene in myelodysplastic syndrome and acute myelogenous leukemia] Hirai H, et al. **Gan To Kagaku Ryoho** 1991 Jun;18(7):1090–7 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Regulation of the multidrug resistance (MDR)1 gene expression] Kohno K, et al. **Gan To Kagaku Ryoho** 1990 Oct;17(10):1975–81 (21 ref.) (Eng. Abstr.) **(Jpn)**

[Molecular aspects of proliferation and differentiation of human myeloid leukemia cell HL-60] Yamada M, et al. **Tanpakushitsu Kakusan Koso** 1991 Jan;36(1):41–53 (99 ref.) **(Jpn)**

DRUG EFFECTS

Inhibition of protooncogene expression by antisense oligodeoxynucleotides: biological and therapeutic implications. Calabretta B. **Cancer Res** 1991 Sep 1; 51(17):4505–10 (60 ref.)

Modulation of EGF receptor protooncogene expression by growth factors and hormones in human breast carcinoma cells. Fernandez-Pol JA. **Crit Rev Oncog** 1991;2(2):173–85 (155 ref.)

Regulation of gene expression by tumor promoters. Rahmsdorf HJ, et al. **Pharmacol Ther** 1990;48(2):157–88 (410 ref.)

Cellular maturation and oncogene expression during drug-induced differentiation in vitro: a brief review. Biedler JL, et al. **Prog Clin Biol Res** 1990;354A:287–312 (70 ref.)

[Chemoprevention of cancer. Epidemiology and basic research point to new directions] Holmberg SB, et al. **Nord Med** 1991;106(3):86–9 (15 ref.) (Eng. Abstr.) **(Swe)**

GENE EXPRESSION REGULATION,

GENETICS

Fragile sites, genomic rearrangements and cancer predisposition. Yunis JJ. **Birth Defects** 1990;26(1):67–83 (64 ref.)

The lymphocyte-specific tyrosine protein kinase p56lck. Abraham N, et al. **Cancer Invest** 1991;9(4):455–63 (66 ref.)

The segregation of cancer-causing genes in human populations. Schull WJ. **Mutat Res** 1991 Apr;247(2):191–8 (42 ref.)

Oncogene activation and hepatocarcinogenesis. Strom SC, et al. **Pathobiology** 1990;58(3):153–67 (82 ref.)

PHYSIOLOGY

Control of c-myc regulation in normal and neoplastic cells. Spencer CA, et al. **Adv Cancer Res** 1991;56:1–48 (214 ref.)

Growth factors and oncogenes in prostate cancer. Thompson TC. **Cancer Cells** 1990 Nov;2(11):345–54 (103 ref.)

Different mechanisms are responsible for oncogene activation in human mammary neoplasia. Kraus MH, et al. **Cancer Treat Res** 1988;40:49–66 (52 ref.)

The activation of cellular oncogenes by proviral insertion in murine mammary cancer. Nusse R. **Cancer Treat Res** 1988;40:283–306 (110 ref.)

The significance of retroviruses in oncology. Leib-Mösch C, et al. **Onkologie** 1990 Dec;13(6):405–14 (95 ref.)

Epidermal growth factor: receptor and ligand expression in human breast cancer. Murphy LC, et al. **Semin Cancer Biol** 1990 Oct;1(5):305–15 (44 ref.)

[Oncogenes, anti-oncogenes and their alterations in human tumors] Jeanteur P, et al. **Rev Med Interne** 1990 May-Jun; 11(3):216–20 (11 ref.) (Eng. Abstr.) **(Fre)**

[Molecular biology studies of bladder cancer] Bringuier PP, et al. **Urologe [A]** 1991 May;30(3):167–71 (56 ref.) (Eng. Abstr.) **(Ger)**

GENE EXPRESSION REGULATION, VIRAL

Regulation of expression of the glycoprotein genes of herpes simplex virus type 1 (HSV-1). Levine M, et al. **Adv Exp Med Biol** 1990;278:151–64 (51 ref.)

Mechanisms of restriction of viral gene expression during herpes simplex virus latency. Sears AE. **Adv Exp Med Biol** 1990;278:211–7 (35 ref.)

Regulation of tobamovirus gene expression. Dawson WO, et al. **Adv Virus Res** 1990;38:307–42 (153 ref.)

Abortive infection and malignant transformation by adenoviruses: integration of viral DNA and control of viral gene expression by specific patterns of DNA methylation. Doerfler W. **Adv Virus Res** 1991;39:89–128 (117 ref.)

Control of expression and cell tropism of human immunodeficiency virus type 1. Zack JA, et al. **Adv Virus Res** 1990;38:125–46 (98 ref.)

Interactions between satellite bacteriophage P4 and its helpers. Christie GE, et al. **Annu Rev Genet** 1990;24:465–90 (118 ref.)

Analysis of hepadnavirus gene expression, biology, and pathogenesis in the transgenic mouse. Chisari FV. **Curr Top Microbiol Immunol** 1991;168:85–101 (61 ref.)

Transcriptional control of hepadnavirus gene expression. Schaller H, et al. **Curr Top Microbiol Immunol** 1991; 168:21–39 (69 ref.)

Cellular regulation of visna virus gene expression and its role in pathogenesis. Clements JE, et al. **Dev Biol Stand** 1990; 72:207–12 (45 ref.)

Regulation of HIV-1 gene expression. Cullen BR. **FASEB J** 1991 Jul;5(10):2361–8 (50 ref.)

Regulated expression of retroviruses and their oncogenes: models for tumor suppression. Wyke J, et al. **Immunol Ser** 1990;51:49–73 (56 ref.)

Host cell regulation of HPV transforming gene expression. zur Hausen H. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:207–19 (58 ref.)

Cytoplasmic transcription system encoded by vaccinia virus. Moss B, et al. **J Biol Chem** 1991 Jan 25;266(3):1355–8 (86 ref.)

Genetic regulation of human immunodeficiency virus. Steffy K, et al. **Microbiol Rev** 1991 Jun;55(2):193–205 (123 ref.)

Interactions between small viral RNAs of vesicular stomatitis virus and components of cellular gene expression. Keene JD. **Microbiol Sci** 1985 May;2(5):152–6 (29 ref.)

The Iridovirus frog virus 3: a model for trans-acting proteins. Willis DB, et al. **Microbiol Sci** 1986 Feb;3(2):59–63 (23 ref.)

E1a revisited: the case for multiple cooperative trans-activation domains. Braithwaite AW, et al. **New Biol** 1991 Jan;3(1):18–26 (63 ref.)

HIV trans-activation and transcription control mechanisms. Jones KA. **New Biol** 1989 Nov;1(2):127–35 (53 ref.)

Regulation of expression of human immunodeficiency virus. Pavlakis GN, et al. **New Biol** 1990 Jan;2(1):20–31 (141 ref.)

Regulation of HIV gene expression by RNA-protein interactions. Rosen CA. **Trends Genet** 1991 Jan;7(1):9–14 (44 ref.)

[Detection of HTLV-I gene expression by using the polymerase chain reaction] Kinoshita T, et al. **Nippon Rinsho** 1990 Nov;48(11):2703–9 (20 ref.) **(Jpn)**

[Latency of herpes simplex virus. Current knowledge] Catalán V, et al. **Enferm Infecc Microbiol Clin** 1991 Mar; 9(3):172–6 (34 ref.) **(Spa)**

GENE EXPRESSION REGULATION,

DRUG EFFECTS

Targeted therapy of human immunodeficiency virus-related disease. Mitsuya H, et al. **FASEB J** 1991 Jul;5(10):2369–81 (99 ref.)

PHYSIOLOGY

The functional psychoses—are oncogenes involved in their pathogenesis? Some speculations. Leach J. **Br J Psychiatry** 1991 Apr;158:563–8 (75 ref.)

MMTV as a model for gene expression in mammary tissue. Hager GL. **Cancer Treat Res** 1988;40:267–81 (38 ref.)

The significance of retroviruses in oncology. Leib-Mösch C, et al. **Onkologie** 1990 Dec;13(6):405–14 (95 ref.)

[Molecular basis of latency of herpes simplex virus type 1] Borowicz B, et al. **Postepy Biochem** 1991;37(1):49–52 (49 ref.) **(Pol)**

GENE FREQUENCY

Frequency and genetic background of the position 122 (Val——Ile) variant transthyretin gene in the black population. Jacobson DR, et al. **Am J Hum Genet** 1991 Jul;49(1):192–8 (46 ref.)

AK1, PGD, GC and HP frequencies in the Basque population: a review. Aguirre AI, et al. **Gene Geogr** 1989 Apr;3(1):41–51 (29 ref.)

GENETICS

The action of stabilizing selection on the perfection of new characters in evolution. Slabý O. **Folia Morphol (Praha)** 1990;38(3):241–52 (37 ref.)

GENE FUSION see **CLONING, MOLECULAR**

GENE LIBRARY

see related
DNA, RECOMBINANT

Clone and genomic repositories at the American Type Culture Collection. Maglott DR, et al. **Genomics** 1990 Nov; 8(3):601–5 (14 ref.)

[Methodologic principles of genetic techniques] Gassen HG. **Verh Dtsch Ges Inn Med** 1990;96:425–30 (3 ref.) **(Ger)**

GENE MAPPING see **CHROMOSOME MAPPING**

GENE POOL

Coadaptation revisited. Wallace B. **J Hered** 1991 Mar–Apr; 82(2):89–95 (65 ref.)

GENE PROBES, DNA see **DNA PROBES**

GENE PROBES, RNA see **RNA PROBES**

GENE PRODUCTS see **PROTEINS**

GENE PRODUCTS, BACTERIAL see **BACTERIAL PROTEINS**

GENE PRODUCTS, ENV

IMMUNOLOGY

AIDS pathogenesis: HIV envelope and its interaction with cell proteins. Habeshaw JA, et al. **Immunol Today** 1990 Nov;11(11):418–25 (63 ref.)

PHYSIOLOGY

The envelope of HIV-1 as a key component to infectivity. Buchbinder A. **Prog AIDS Pathol** 1990;2:1–11 (84 ref.)

GENE PRODUCTS, FUNGAL see **FUNGAL PROTEINS**

GENE PRODUCTS, POL

see related
ENDONUCLEASES
PEPTIDE HYDROLASES
REVERSE TRANSCRIPTASE

GENE PRODUCTS, TAT

GENETICS

The human immunodeficiency virus TAT protein. A target for antiviral agents. Sim IS. **Ann N Y Acad Sci** 1990; 616:64–72 (41 ref.)

METABOLISM

The HIV-1 Tat protein: an RNA sequence-specific processivity factor? Cullen BR. **Cell** 1990 Nov 16; 63(4):655–7 (20 ref.)

GENE PRODUCTS, TAX

GENETICS

Transforming properties of the HTLV-I tax gene. Weiss RA, et al. **Cancer Cells** 1990 Aug-Sep;2(8–9):281–3 (22 ref.)

GENE PRODUCTS, VIRAL see **VIRAL PROTEINS**

GENE PROTEINS see **PROTEINS**

GENE REARRANGEMENT

see related
ANTIBODY DIVERSITY
GENES, IMMUNOGLOBULIN
IMMUNOGLOBULIN VARIABLE REGION

Occurrence of high-grade T-cell lymphoma in a patient with Philadelphia chromosome-negative chronic myelogenous leukemia with breakpoint cluster region rearrangement: case report and review of the literature. Djulbegović B, et al. **Am J Hematol** 1991 Jan;36(1):63–4 (9 ref.)

Molecular biology of myelin basic protein: gene rearrangement and expression of anti-sense RNA in myelin-deficient mutants. Mikoshiba K, et al. **Comp Biochem Physiol [C]** 1991;98(1):51–61 (82 ref.)

Translocations t(14;18) and t(8;14) with rearranged bcl-2 and c-myc in a case presenting as B-ALL (L3). Brito-Babapulle V, et al. **Leukemia** 1991 Jan;5(1):83–7 (36 ref.)

Chromosome rearrangements in oncogenesis. Nowell PC, et al. **Microbiol Sci** 1984 Dec;1(9):223–8 (47 ref.)

t(2;18) and t(18;22) variant chromosomal translocations and bcl-2 gene rearrangements in human malignant lymphomas. Larsen CJ, et al. **Nouv Rev Fr Hematol** 1990;32(6):401–3 (10 ref.)

[Immunegene rearrangements of acute undifferentiated leukemia (AUL)] Kita K, et al. **Gan To Kagaku Ryoho** 1991 Jun;18(7):1084–9 (14 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

Gene rearrangement studies in lymphoproliferative disorders of skin. Weiss LM, et al. **Adv Dermatol** 1988;3:141–60 (65 ref.)

Mosaicism 45,X/46,X, t dic(Xp:Xp) in a girl with short stature. Abulhasan SJ, et al. **Ann Genet** 1990;33(4):234–8 (19 ref.)

Chromosome rearrangement, oncogene activation, and other clonal events in cancer: their use in molecular diagnostics. Wiedemann LM, et al. **J Pathol** 1991 Jan;163(1):7–12 (10 ref.)

[BCL-2 gene in lymphocytic malignancy] Seto M, et al. **Gan To Kagaku Ryoho** 1991 Jun;18(7):1106–11 (22 ref.) (Eng. Abstr.) **(Jpn)**

GENE REARRANGEMENT, B-LYMPHOCYTE

GENETICS

Genomic alterations, origin and evolution of B-cell non-Hodgkin's lymphoma. Cuneo A, et al. **Haematologica** 1991 Jan-Feb;76(1):1–7 (46 ref.)

GENE REARRANGEMENT, B-LYMPHOCYTE, HEAVY CHAIN

[Structure and function of the immunoglobulin Vh gene in man] Lukowsky A, et al. **Allerg Immunol (Leipz)** 1990; 36(4):225–32 (43 ref.) (Eng. Abstr.) **(Ger)**

[Richter's syndrome with identical immunoglobulin gene rearrangements] Ozaki S, et al. **Rinsho Ketsueki** 1991 Apr; 32(4):419–23 (13 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

Follicular lymphoma: a model of lymphoid tumor progression in man. Zelenetz AD, et al. **Ann Oncol** 1991 Feb;2 Suppl 2:115–22 (51 ref.)

GENE REARRANGEMENT, B-LYMPHOCYTE, LIGHT CHAIN

[Richter's syndrome with identical immunoglobulin gene rearrangements] Ozaki S, et al. **Rinsho Ketsueki** 1991 Apr; 32(4):419–23 (13 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

Follicular lymphoma: a model of lymphoid tumor progression in man. Zelenetz AD, et al. **Ann Oncol** 1991 Feb;2 Suppl 2:115–22 (51 ref.)

GENE REARRANGEMENT, T-LYMPHOCYTE

Specificity and selection of gamma-delta receptor-expressing T cells. Matis L. **Immunol Res** 1991;10(1):5–14 (46 ref.)

Repertoire development and ligand specificity of murine TCR gamma delta cells. Bluestone JA, et al. **Immunol Rev** 1991 Apr;120:5–33 (79 ref.)

Control of gamma delta T-cell development. Raulet DH, et al. **Immunol Rev** 1991 Apr;120:185–204 (73 ref.)

GENETICS

T-cell receptor gene rearrangements and the diagnosis of human T-cell neoplasms. Cossman J, et al. **Crit Rev Oncol Hematol** 1990;10(3):267–81 (223 ref.)

GENE REARRANGEMENT, T-CELL ANTIGEN RECEPTOR see **GENE REARRANGEMENT, T-LYMPHOCYTE**

GENE THERAPY

Human gene therapy. Fleischman RA. **Am J Med Sci** 1991 May;301(5):353–63 (117 ref.)

Antibody engineering and perspectives in therapy. Lefranc G, et al. **Biochimie** 1990 Sep;72(9):639–51 (74 ref.)

Principles of gene transfer and the treatment of disease. Karson EM. **Biotechnology** 1991;16:189–212 (58 ref.)

Bone marrow transplantation for immunodeficiency and genetic diseases. Lenarsky C, et al. **Cancer Treat Res** 1990; 50:167–84 (82 ref.)

Inherited hepatic enzyme defects as candidates for liver-directed gene therapy. Horwich AL. **Curr Top Microbiol Immunol** 1991;168:185–200 (39 ref.)

Somatic gene therapy. Hesdorffer C, et al. **Hematol Oncol Clin North Am** 1991 Jun;5(3):423–32 (45 ref.)

The evolving concept of gene therapy. Friedmann T. **Hum Gene Ther** 1990 Summer;1(2):175–81 (20 ref.)

Safety considerations in somatic gene therapy of human disease with retrovirus vectors. Temin HM. **Hum Gene Ther** 1990 Summer;1(2):111–23 (73 ref.)

Prospects for homologous recombination in human gene therapy. Vega MA. **Hum Genet** 1991 Jul;87(3):245–53 (86 ref.)

von Willebrand factor and animal models: contributions to gene therapy, thrombotic thrombocytopenic purpura, and coronary artery thrombosis. Brinkhous KM, et al. **Mayo Clin Proc** 1991 Jul;66(7):733–42 (30 ref.)

Prospects for gene therapy of familial hypercholesterolemia. Wilson JM, et al. **Mol Biol Med** 1990 Jun;7(3):223–32 (56 ref.)

Genetically altered and defined cell lines for transplantation in animal models of Parkinson's disease. Freed WJ, et al. **Prog Brain Res** 1990;82:11–21 (52 ref.)

Grafting genetically modified cells to the brain: conceptual and technical issues. Gage FH, et al. **Prog Brain Res** 1990; 82:1–10 (37 ref.)

[Correction of fatal genetic diseases using bone marrow transplantation. 1] Zintl F, et al. **Kinderarztl Prax** 1991 Jan-Feb;59(1-2):6–9 (30 ref.) (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Safety issues related to retroviral-mediated gene transfer in humans. Cornetta K, et al. **Hum Gene Ther** 1991 Spring; 2(1):5–14 (76 ref.)

METHODS

Drug delivery by genetically engineered cell implants. Zwiebel JA, et al. **Ann N Y Acad Sci** 1991;618:394–404 (33 ref.)

Delivery systems for gene therapy. Wu GY, et al. **Biotherapy** 1991;3(1):87–95 (34 ref.)

Immunotherapy and gene therapy of cancer. Rosenberg SA. **Cancer Res** 1991 Sep 15;51(18 Suppl):5074s–5079s (43 ref.)

Mosaicism induced by gene insertion as a means of improving chemotherapeutic selectivity. Moolten FL. **Crit Rev Immunol** 1990;10(3):203–33 (213 ref.)

Genetic correction of hereditary disease. Johnson MP, et al. **Fetal Ther** 1989;4 Suppl 1:28–39 (49 ref.)

[Constitutional hematologic diseases. Perspectives of gene therapy] Cohen-Haguenauer O. **Presse Med** 1991 Jan 26; 20(3):117–23 (26 ref.) (Eng. Abstr.) **(Fre)**

[Gene therapy and homologous recombination] Kobayashi I. **Nippon Rinsho** 1991 May;49(5):1188–95 (28 ref.) **(Jpn)**

TRENDS

Treatment of genetic disease: current status and prospects for the future. Valle D. **Semin Perinatol** 1991 Feb;15(1 Suppl 1):52–6 (26 ref.)

GENE TRANSFER see **TRANSFECTION**

GENERAL PRACTICE see **FAMILY PRACTICE**

GENERAL PRACTICE, DENTAL

EDUCATION

A postdoctoral year for the practice of dentistry: rationale and progress. Formicola AJ, et al. **J Dent Educ** 1991 Aug; 55(8):526–30; discussion 537 (22 ref.)

General practice residency programs: benefits to residents and patients. Garrison RS Jr. **J Dent Educ** 1991 Aug; 55(8):534–6; discussion 537 (8 ref.)

STANDARDS

Periodontics in general practice: professional plaque control [see comments] Greenwell H, et al. **J Am Dent Assoc** 1990 Nov;121(5):642–6 (32 ref.) Comment in: J Am Dent Assoc 1991 Jan;122(1):28.

GENERAL PRACTITIONERS see **PHYSICIANS, FAMILY**

GENERAL SYSTEMS THEORY see **SYSTEMS THEORY**

GENERALIZATION (PSYCHOLOGY)

Independent performance among individuals with mental retardation: promoting generalization through self-instruction. Hughes C. **Prog Behav Modif** 1991;27:7-35 (31 ref.)

GENERALIZED GLYCOGENOSIS see **GLYCOGEN STORAGE DISEASE TYPE II**

GENERATION EFFECT see **COHORT EFFECT**

GENERIC EQUIVALENCY see **THERAPEUTIC EQUIVALENCY**

GENES

Defining the gene: an evolving concept. Carlson EA. **Am J Hum Genet** 1991 Aug;49(2):475-87 (107 ref.)

Fosvergnügen. The excitement of immediate-early genes. Schilling K, et al. **Ann N Y Acad Sci** 1991;627:115-23 (47 ref.)

Beyond gene sequencing: analysis of protein structure with mass spectrometry. Fenselau C. **Annu Rev Biophys Biophys Chem** 1991;20:205-20 (98 ref.)

Genetics of early neurogenesis in Drosophila melanogaster. Campos-Ortega JA, et al. **Annu Rev Genet** 1990;24:387-407 (82 ref.)

Identifying genes within the genome: new ways for finding the needle in a haystack. Hochgeschwender U, et al. **Bioessays** 1991 Mar;13(3):139-44 (19 ref.)

Enhancement of the antimalarial effect of chloroquine on drug-resistant parasite strains--a critical examination of the reversal of multidrug resistance. Ginsburg H. **Exp Parasitol** 1991 Aug;73(2):227-32 (33 ref.)

Analysis of genes and chromosomes by nonisotopic in situ hybridization. Lichter P, et al. **Genet Anal Tech Appl** 1991 Feb;8(1):24-35 (165 ref.)

Early transcriptional events in cell growth: the Egr family. Sukhatme VP. **J Am Soc Nephrol** 1990 Dec;1(6):859-66 (44 ref.)

The von Willebrand factor gene and genetics of von Willebrand's disease. Ginsburg D. **Mayo Clin Proc** 1991 May;66(5):506-15 (30 ref.)

Expression of heterologous genes in E. coli. Harris TJ, et al. **Microbiol Sci** 1986 Jan;3(1):28-31 (30 ref.)

Extrachromosomal circular DNAs and genomic sequence plasticity in eukaryotic cells. Gaubatz JW. **Mutat Res** 1990 Sep-Nov;237(5-6):271-92 (158 ref.)

Properties and applications of human DNA repair genes. Thompson LH. **Mutat Res** 1991 Apr;247(2):213-9 (25 ref.)

Genetic heterogeneity of the human glutathione transferases: a complex of gene families. Board P, et al. **Pharmacol Ther** 1990;48(3):357-69 (88 ref.)

Identification of human genes involved in repair and tolerance of DNA damage. Kaina B, et al. **Radiat Environ Biophys** 1991;30(1):1-19 (87 ref.)

Gene isolation is 25 years old this month. Birnstiel ML. **Trends Genet** 1990 Dec;6(12):380-1 (18 ref.)

Notch and the choice of cell fate in Drosophila neuroepithelium. Simpson P. **Trends Genet** 1990 Nov; 6(11):343-5 (19 ref.)

Genes required for specifying cell fates in Drosophila embryonic sensory nervous system. Jan YN, et al. **Trends Neurosci** 1990 Dec;13(12):493-8 (69 ref.)

[Molecular cell biology of the heat stress response. II] Nover L. **Naturwissenschaften** 1990 Aug;77(8):359-65 (37 ref.) (Eng. Abstr.) **(Ger)**

[Regulation of the multidrug resistance (MDR)1 gene expression] Kohno K, et al. **Gan To Kagaku Ryoho** 1990 Oct;17(10):1975-81 (21 ref.) (Eng. Abstr.) **(Jpn)**

[Molecular cloning and molecular biological studies of human thymidylate synthase gene] Takeishi K. **Yakugaku Zasshi** 1990 Dec;110(12):891-907 (52 ref.) (Eng. Abstr.) **(Jpn)**

[Molecular biology in gastroenterology. 1. Genes and DNA recombinant techniques] González L, et al. **Rev Gastroenterol Mex** 1990 Apr-Jun;55(2):91-100 (9 ref.) **(Spa)**

DRUG EFFECTS

[The carcinogenic and genotoxic action of the substances in the exhaust gases from internal combustion engines] Makhover MS, et al. **Eksp Onkol** 1990;12(5):11-4, 34 (50 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Primary response genes induced by growth factors and tumor promoters. Herschman HR. **Annu Rev Biochem** 1991; 60:281-319 (263 ref.)

Genetic imprinting in clinical genetics. Clarke A. **Dev Suppl** 1990;:131-9 (75 ref.)

PHYSIOLOGY

Molecular biology and respiratory disease. 7. The alpha 1 antitrypsin gene and chronic lung disease. Kalsheker N, et al. **Thorax** 1990 Oct;45(10):759-64 (50 ref.)

Chemical mutagenesis and fine-structure functional analysis of the mouse genome. Rinchik EM. **Trends Genet** 1991 Jan;7(1):15-21 (45 ref.)

RADIATION EFFECTS

Unfolding perspectives on the genetic effects of human exposures to radiation. Neel JV. **Basic Life Sci** 1990; 53:337-49 (46 ref.)

Update on the genetic effects of ionizing radiation. Neel JV. **JAMA** 1991 Aug 7;266(5):698-701 (21 ref.)

GENES, ABL

see related
FUSION PROTEINS, BCR-ABL

Molecular insights into the Philadelphia translocation. Heisterkamp N, et al. **Hematol Pathol** 1991;5(1):1-10 (81 ref.)

GENES, BACTERIAL

Quantifying fitness and gene stability in microorganisms. Lenski RE. **Biotechnology** 1991;15:173-92 (37 ref.)

Quantifying the spread of recombinant genes and organisms. Manasse R, et al. **Biotechnology** 1991;15:215-31 (36 ref.)

Genetics of rickettsiae. Mallavia LP. **Eur J Epidemiol** 1991 May;7(3):213-21 (61 ref.)

Genetics of carbon metabolism in methylotrophic bacteria. Lidstrom ME. **FEMS Microbiol Rev** 1990 Dec;7(3-4):431-6 (29 ref.)

The mycoplasma genome. Part 1. Christiansen C. **Microbiol Sci** 1987 Jun;4(6):168-72 (56 ref.)

The mycoplasma genome: Part 2. Christiansen C. **Microbiol Sci** 1987 Oct;4(10):292-5 (44 ref.)

Genetics of lactic acid bacteria with special reference to lactococci. Rodríguez A, et al. **Microbiologia** 1990 Dec; 6(2):51-64 (117 ref.)

Evolution of isopenicillin N synthase genes may have involved horizontal gene transfer. Landan G, et al. **Mol Biol Evol** 1990 Sep;7(5):399-406 (20 ref.)

Regulation of bacterial gene expression by metal-protein complexes. Hennecke H. **Mol Microbiol** 1990 Oct; 4(10):1621-8 (77 ref.)

Cascades of sigma factors revisited. Stragier P, et al. **Mol Microbiol** 1990 Nov;4(11):1801-6 (28 ref.)

The E. coli ogt gene. Margison GP, et al. **Mutat Res** 1990 Nov-Dec;233(1-2):15-21 (40 ref.)

[Composition and quantities of anticodons in the cell] Yamao F, et al. **Tanpakushitsu Kakusan Koso** 1990 Aug; 35(11):1999-2009 (34 ref.) **(Jpn)**

[Genetic determinants of restriction-modification systems in bacteria] Kariagina AS. **Mol Gen Mikrobiol Virusol** 1990 Jul;(7):3-11 (105 ref.) (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

From cell membrane to nucleotides: the phosphate regulon in Escherichia coli. Torriani A. **Bioessays** 1990 Aug; 12(8):371-6 (39 ref.)

GENETICS

The future contribution of transposition to antimicrobial resistance. Bennett PM, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:211-21 (36 ref.)

Nucleotide sequence of rmpB, a Klebsiella pneumoniae gene that positively controls, colanic biosynthesis in Escherichia coli. Vasselon T, et al. **Res Microbiol** 1991 Jan;142(1):47-54 (34 ref.)

[Genomic organization of the tRNA genes in Escherichia coli] Komine Y, et al. **Tanpakushitsu Kakusan Koso** 1990 Oct;35(13):2201-10 (49 ref.) **(Jpn)**

[Genetic and biochemical control of biosynthesis of macrolide antibiotics] Navashin SM, et al. **Antibiot Khimioter** 1990 Dec;35(12):34-8 (62 ref.) **(Rus)**

PHYSIOLOGY

Genetic analysis of the bacterial flagellum. Macnab RM, et al. **Trends Genet** 1991 Jun;7(6):196-200 (35 ref.)

GENES, CLASS II see **GENES, IMMUNE RESPONSE**

GENES, DEVELOPMENTAL see **GENES, STRUCTURAL**

GENES, DIFFERENTIATED see **GENES, STRUCTURAL**

GENES, DOMINANT

A Dutch family with autosomal dominant pure spastic paraparesis (Strümpell's disease). Scheltens P, et al. **Acta Neurol Scand** 1990 Sep;82(3):169-73 (23 ref.)

Autosomal dominant polycystic kidney disease--more than a renal disease. Gabow PA. **Am J Kidney Dis** 1990 Nov; 16(5):403-13 (98 ref.)

The dominant control region of the human beta-globin domain. Grosveld F, et al. **Ann N Y Acad Sci** 1990; 612:152-9 (25 ref.)

Autosomal dominant transmission of the NAME syndrome (nevi, atrial myxoma, mucinosis of the skin and endocrine overactivity). Koopman RJ, et al. **Hum Genet** 1991 Jan; 86(3):300-4 (42 ref.)

A "reverse genetic" approach to autosomal dominant polycystic kidney disease. Reeders ST. **Pediatr Nephrol** 1987 Jul;1(3):405-10 (21 ref.)

Diagnostic considerations in autosomal dominant polycystic kidney disease. Bennett WM. **Semin Nephrol** 1990 Nov; 10(6):552-5 (25 ref.)

GENETICS

Molecular genetics of Alzheimer's disease. Hardy J. **Acta Neurol Scand Suppl** 1990;129:29-31 (19 ref.)

[Genetically-induced deficiency of alpha 1-antitrypsin and diseases of the lung--current assessment and perspectives] Stobernack A, et al. **Z Arztl Fortbild (Jena)** 1990; 84(22):1144-8 (20 ref.) **(Ger)**

GENES, FMS

see related
RECEPTOR, MACROPHAGE COLONY-STIMULATING FACTOR

GENES, FUNGAL

Transfer and expression of heterologous genes in yeasts other than Saccharomyces cerevisiae. Reiser J, et al. **Adv Biochem Eng Biotechnol** 1990;43:75-102 (241 ref.)

Potential industrial use of cephalosporin biosynthetic enzymes and genes. An overview. Yeh WK, et al. **Ann N Y Acad Sci** 1990;613:128-41 (39 ref.)

FAR-reaching discoveries about the regulation of START [published erratum appears in Cell 1991 Mar 8;64(5):following 1046] Nasmyth KA. **Cell** 1990 Dec 21; 63(6):1117-20 (24 ref.)

Signal transduction and gene expression in Dictyostelium discoideum. Dottin RP, et al. **Dev Genet** 1991;12(1-2):2-5 (33 ref.)

Ras-related genes in Dictyostelium discoideum. Robbins SM, et al. **Dev Genet** 1991;12(1-2):147-53 (40 ref.)

The Wilhelmine E. Key 1989 invitational lecture. Organization and regulation of the qa (quinic acid) genes in Neurospora crassa and other fungi. Giles NH, et al. **J Hered** 1991 Jan-Feb;82(1):1-7 (32 ref.)

Genetic and physical maps of Saccharomyces cerevisiae. Mortimer RK, et al. **Methods Enzymol** 1991;194:827-63 (191 ref.)

PET genes of Saccharomyces cerevisiae. Tzagoloff A, et al. **Microbiol Rev** 1990 Sep;54(3):211-25 (206 ref.)

Constants and variables of fungal mitochondrial genomes. Lukins HB, et al. **Microbiol Sci** 1984 Sep;1(6):141-9 (37 ref.)

Regulation of meiosis in Schizosaccharomyces pombe. Yamamoto M. **Microbiol Sci** 1986 Aug;3(8):234-7 (31 ref.)

Sexual differentiation and interactions in yeasts. Yanagishima N. **Microbiol Sci** 1986 Feb;3(2):45-9 (28 ref.)

Evolution of isopenicillin N synthase genes may have involved horizontal gene transfer. Landan G, et al. **Mol Biol Evol** 1990 Sep;7(5):399-406 (20 ref.)

Cell cycle control in eukaryotes: molecular mechanisms of cdc2 activation. Draetta G. **Trends Biochem Sci** 1990 Oct; 15(10):378-83 (45 ref.)

GENETICS

Structure and evolution of 5S rRNA genes. Gniadkowski M, et al. **Postepy Biochem** 1990;36(3-4):2-4 (8 ref.)

The TPR snap helix: a novel protein repeat motif from mitosis to transcription. Goebl M, et al. **Trends Biochem Sci** 1991 May;16(5):173-7 (25 ref.)

PHYSIOLOGY

Molecular analysis of the REV2 gene of Saccharomyces cerevisiae--a review. Ahne F, et al. **Radiat Environ Biophys** 1990;29(4):293-301 (35 ref.)

GENES, H-2 CLASS I see **GENES, MHC CLASS I**

GENES, HLA CLASS I see **GENES, MHC CLASS I**

GENES, HOMEO BOX

Cell type-specific enhancement in the Drosophila embryo by consensus homeodomain binding sites. White RJ. **Bioessays** 1990 Nov;12(11):537-9 (21 ref.)

Analysis of regulatory genes using the transgenic mouse system. Byrne GW, et al. **Biotechnology** 1991;16:135-52 (48 ref.)

What determines the specificity of action of Drosophila homeodomain proteins? [published erratum appears in Cell 1991 Mar 8;64(5):following 1046] Hayashi S, et al. **Cell** 1990 Nov 30;63(5):883-94 (102 ref.)

From gradients to axes, from morphogenesis to differentiation. Reid L. **Cell** 1990 Nov 30;63(5):875-82 (41 ref.)

Retinoids, homeoboxes, and growth factors: toward molecular models for limb development. Tabin CJ. **Cell** 1991 Jul 26;66(2):199-217 (165 ref.)

Mouse versions of fly developmental control genes: legitimate or illegitimate relatives? Lobe CG, et al. **New Biol** 1989 Oct;1(1):9-18 (65 ref.)

A cluster of Antennapedia-class homeobox genes in a nonsegmented animal. Kenyon C, et al. **Science** 1991 Aug 2;253(5019):516-7 (13 ref.)

Homoeotic genes. Morata G, et al. **Semin Cell Biol** 1990 Jun; 1(3):219-27 (52 ref.)

What do the regulators regulate? First glimpse downstream. Budd PS, et al. **Trends Genet** 1991 Mar;7(3):74-6 (13 ref.)

The structure of the homeodomain and its functional implications. Gehring WJ, et al. **Trends Genet** 1990 Oct; 6(10):323-9 (33 ref.)

Imprinting a determined state into the chromatin of Drosophila. Paro R. **Trends Genet** 1990 Dec;6(12):416–21 (41 ref.)
Horizontal and vertical pathways in neural induction. Guthrie S. **Trends Neurosci** 1991 Apr;14(4):123–6 (32 ref.)
[Homeotic genes] Lepesant JA. **Reprod Nutr Dev** 1990;Suppl 1:9s–26s (73 ref.) (Eng. Abstr.) **(Fre)**

GENES, HOMEOTIC see **GENES, HOMEO BOX**

GENES, IG see **GENES, IMMUNOGLOBULIN**

GENES, IMMUNE RESPONSE

Genetic control of immunopathology induced by Mycobacterium leprae. de Vries RR. **Am J Trop Med Hyg** 1991 Apr;44(4 Pt 2):12–6 (22 ref.)
Transfection of genes for cell surface products involved in antigen presentation--applications to the understanding of autoimmunity. Altmann DM, et al. **Autoimmunity** 1990; 7(2–3):213–20 (45 ref.)
Mutagenesis and expression of putative class II susceptibility genes: a "reverse immunogenetics" approach to analysis of HLA and disease. Nepom GT. **Autoimmunity** 1990; 7(2–3):189–99 (46 ref.)
Antigen processing and class II MHC–restricted antigen presentation in B–lymphocytes. Watts C, et al. **Biochem Soc Trans** 1991 Apr;19(2):263–5 (21 ref.)
HLA–DQ and –DX genes in insulin–dependent diabetes mellitus. Michelsen B, et al. **Curr Top Microbiol Immunol** 1990;164:57–68 (51 ref.)
The role of MHC class II genes in susceptibility to insulin–dependent diabetes mellitus. Todd JA. **Curr Top Microbiol Immunol** 1990;164:17–40 (96 ref.)
HLA class II nucleotide sequences, 1991. Marsh SG, et al. **Immunogenetics** 1991;33(5–6):321–34 (2 ref.)
Evolution of HLA class–II polymorphism in primates: the DQA locus. Gyllensten UB, et al. **Immunol Res** 1990; 9(3):223–33 (35 ref.)
Evolution of class II genes: role of selection in both the maintenance of polymorphism and the retention of non–expressed alleles. Jones PP, et al. **Immunol Res** 1990; 9(3):200–11 (40 ref.)
Transcriptional regulation of HLA class–II genes. Peterlin BM, et al. **Immunol Res** 1990;9(3):164–77 (83 ref.)
Evolution of HLA class–II genes and haplotypes. Silver J. **Immunol Res** 1990;9(3):212–22 (32 ref.)
Cell lineage–specific and developmental stage–specific controls of MHC class–II–antigen expression. Accolla RS, et al. **Int J Cancer Suppl** 1991;6:20–5 (25 ref.)
[Class II HLA typing based on the restriction fragment length polymorphisms of DNA] Aldaccak R, et al. **Rev Fr Transfus Hemobiol** 1990 Jun;33(3):175–201 (35 ref.) **(Fre)**
[Immunegene rearrangements of acute undifferentiated leukemia (AUL)] Kita K, et al. **Gan To Kagaku Ryoho** 1991 Jun;18(7):1084–9 (14 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

HLA class II sequences and genetic susceptibility to insulin dependent diabetes mellitus. Erlich HA. **Baillieres Clin Endocrinol Metab** 1991 Sep;5(3):395–411 (66 ref.)
Structural and functional constraints on HLA class II dimers implicated in susceptibility to insulin dependent diabetes mellitus. Kwok WW, et al. **Baillieres Clin Endocrinol Metab** 1991 Sep;5(3):375–93 (37 ref.)
HLA class II genes: typing by DNA analysis. Bidwell JL, et al. **Baillieres Clin Haematol** 1990 Apr;3(2):355–84 (83 ref.)
The Lake Casitas wild mouse: evolving genetic resistance to retroviral disease. Gardner MB, et al. **Trends Genet** 1991 Jan;7(1):22–7 (33 ref.)

GENES, IMMUNOGLOBULIN

Human immunoglobulin heavy–chain variable region genes: organization, polymorphism, and expression. Pascual V, et al. **Adv Immunol** 1991;49:1–74 (180 ref.)
V genes usage by autoantibodies and their polymorphism in autoimmune mice. Bona C, et al. **Autoimmunity** 1988; 2(1):39–53 (37 ref.)
Cloning for expression of immunoglobulin variable region genes and generation of variable region gene repertoires. Güssow D. **Behring Inst Mitt** 1990 Dec;(87):25–32 (12 ref.)
Molecular similarities and differences between immunoglobulin and T cell receptors. Mak TW. **Behring Inst Mitt** 1990 Dec;(87):1–9 (14 ref.)
Recombinant monoclonal antibodies in tumor therapy. Seemann G, et al. **Behring Inst Mitt** 1990 Dec;(87):33–47 (44 ref.)
Immunoglobulin gene expression in systemic rheumatic diseases. Carson DA, et al. **Br J Rheumatol** 1991;30 Suppl 1:43–6 (17 ref.)
Analysis of immunoglobulin and T cell receptor genes. Part I: Basic and technical aspects. van Dongen JJ, et al. **Clin Chim Acta** 1991 Apr;198(1–2):1–91 (516 ref.)
Analysis of immunoglobulin and T cell receptor genes. Part II: Possibilities and limitations in the diagnosis and management of lymphoproliferative diseases and related disorders. van Dongen JJ, et al. **Clin Chim Acta** 1991 Apr; 198(1–2):93–174 (388 ref.)
Immunoglobulin genes. Fell HP, et al. **Immunol Ser** 1989; 43:181–202 (69 ref.)
Genetics of immunoglobulins. Pandey JP. **Immunol Ser** 1990; 50:107–21 (8 ref.)
Anti–DNA antibodies, autoimmunity and the immunoglobulin repertoire. Barrett KJ. **Int Rev Immunol** 1989;5(1):43–78 (218 ref.)
The molecular origin of anti–DNA antibodies. Behar SM, et al. **Int Rev Immunol** 1989;5(1):23–42 (89 ref.)
T cell receptor and immunoglobulin genes in hematologic malignancies. Reis MD, et al. **Tumour Biol** 1990;11 Suppl 1:59–77 (77 ref.)
[Structure and function of the immunoglobulin Vh gene in man] Lukowsky A, et al. **Allerg Immunol (Leipz)** 1990; 36(4):225–32 (43 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

Multiple phenotypic consequences of the Ig/Myc translocation in B–cell–derived tumors. Klein G. **Genes Chromosom Cancer** 1989 Sep;1(1):3–8 (37 ref.)

IMMUNOLOGY

T–cell receptor V–beta repertoire expression in murine models of SLE. Singer PA, et al. **Immunol Rev** 1990 Dec; 118:103–27 (83 ref.)
Acquired immunity in insects: the recognition of nonself and the subsequent onset of immune protein genes. Faye I. **Res Immunol** 1990 Nov–Dec;141(9):927–32 (43 ref.)

GENES, IMMUNOGLOBULIN HEAVY CHAIN see **GENES, IMMUNOGLOBULIN**

GENES, IMMUNOGLOBULIN LIGHT CHAIN see **GENES, IMMUNOGLOBULIN**

GENES, IMMUNOGLOBULIN VH GERM LINE see **GENES, IMMUNOGLOBULIN**

GENES, INTRACISTERNAL A–PARTICLE see **INTRACISTERNAL A–PARTICLE GENES**

GENES, LETHAL

The T/t complex and the genetic control of mouse development. Shin HS. **Immunol Ser** 1989;43:443–71 (182 ref.)

GENES, MATING TYPE see **GENES, FUNGAL**

GENES, MHC CLASS I

Regulation of expression of a class I MHC transgene. Singer DS, et al. **Biotechnology** 1991;16:153–9 (20 ref.)
Regulation of the expression of class I MHC genes. Singer DS, et al. **Crit Rev Immunol** 1990;10(3):235–57 (196 ref.)
HLA class I nucleotide sequences, 1991. Zemmour J, et al. **Immunogenetics** 1991;33(5–6):310–20 (2 ref.)
HLA non–A,B,C class I genes: their structure and expression. Heinrichs H, et al. **Immunol Res** 1990;9(4):265–74 (30 ref.)
The regulation and expression of MHC class I genes. David–Watine B, et al. **Immunol Today** 1990 Aug; 11(8):286–92 (75 ref.)
Evolution of the major histocompatibility complex: independent origin of nonclassical class I genes in different groups of mammals. Hughes AL, et al. **Mol Biol Evol** 1989 Nov;6(6):559–79 (80 ref.)

GENETICS

Immunogenetics of the Q and TL regions of the mouse. Flaherty L, et al. **Crit Rev Immunol** 1990;10(2):131–75 (270 ref.)

GENES, MOS

see related
INTRACISTERNAL A–PARTICLE GENES

GENES, MYC

see related
PROTO–ONCOGENE PROTEINS C–MYC

Enhanced expression of the cellular oncogene MYCN and progression of human neuroblastoma. Schwab M. **Adv Enzyme Regul** 1991;31:329–38 (38 ref.)
Oncogene expression and prognosis in cervical cancer. Pillai R. **Cancer Lett** 1991 Aug;59(2):171–5 (22 ref.)
Myc meets its Max. Cole MD. **Cell** 1991 May 31;65(5):715–6 (20 ref.)
Expression and function of myc family genes. Zimmerman K, et al. **Crit Rev Oncog** 1990;2(1):75–95 (229 ref.)
New light on Myc and Myb. Part I. Myc. Lüscher B, et al. **Genes Dev** 1990 Dec;4(12A):2025–35 (153 ref.)
New light on Myc and Myb. Part II. Myb. Lüscher B, et al. **Genes Dev** 1990 Dec;4(12B):2235–41 (73 ref.)
Translocations t(14;18) and t(8;14) with rearranged bcl–2 and c–myc in a case presenting as B–ALL (L3). Brito–Babapulle V, et al. **Leukemia** 1991 Jan;5(1):83–7 (36 ref.)
Is there a neuroblastoma anti–oncogene? Schwab M. **Prog Clin Biol Res** 1991;366:1–9 (15 ref.)
Neuroblastoma and the clinical significance of N–myc oncogene amplification. Phillips WS, et al. **Surg Gynecol Obstet** 1991 Jan;172(1):73–80 (71 ref.)

GENETICS

Control of c–myc regulation in normal and neoplastic cells. Spencer CA, et al. **Adv Cancer Res** 1991;56:1–48 (214 ref.)
Nobel Lecture. Retroviruses and oncogenes II. Bishop JM. **Biosci Rep** 1990 Dec;10(6):473–91 (81 ref.)
Multiple phenotypic consequences of the Ig/Myc translocation in B–cell–derived tumors. Klein G. **Genes Chromosom Cancer** 1989 Sep;1(1):3–8 (37 ref.)

PHYSIOLOGY

Gene amplification in human lung cancer. The myc family genes and other proto–oncogenes and growth factor genes. Bergh JC. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S20–6 (77 ref.)
The myc gene family proteins and their role in transformation and differentiation. Ingvarsson S. **Semin Cancer Biol** 1990 Dec;1(6):359–69 (91 ref.)

GENES, NIF see **GENES, NITROGEN FIXATION**

GENES, NITROGEN FIXATION

The nitrogen fixation genes of Klebsiella pneumoniae: a model system. Drummond MH. **Microbiol Sci** 1984 May; 1(2):29–33 (29 ref.)
Organization and regulation of nitrogen fixation genes of Rhodopseudomonas capsulata. Haselkorn R. **Microbiol Sci** 1984 Nov;1(8):194–9 (24 ref.)
Transcriptional regulatory cascade of nitrogen–fixation genes in anoxygenic photosynthetic bacteria: oxygen– and nitrogen–responsive factors. Kranz RG, et al. **Mol Microbiol** 1990 Nov;4(11):1793–800 (49 ref.)

GENES, NITROGEN REGULATOR see **GENES, NITROGEN FIXATION**

GENES, NTR see **GENES, NITROGEN FIXATION**

GENES, P53

The p53 tumor suppressor gene and gene product. Levine AJ. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:221–30 (53 ref.)
The p53 tumour suppressor gene. Levine AJ, et al. **Nature** 1991 Jun 6;351(6326):453–6 (61 ref.)
p53 mutations in human cancers. Hollstein M, et al. **Science** 1991 Jul 5;253(5015):49–53 (96 ref.)

GENES, PX

[Oncogenic transformation by the tax gene of HTLV–I] Hatanaka M. **Nippon Rinsho** 1990 Oct;48(10):2431–41 (25 ref.) **(Jpn)**

GENES, RAS

see related
ONCOGENE PROTEIN P21(RAS)
PROTO–ONCOGENE PROTEIN P21(RAS)

Suppression of ras–transformants (review). Kuzumaki N. **Anticancer Res** 1991 Jan–Feb;11(1):313–9 (73 ref.)
The role of Ras in signal transduction. Johnston C, et al. **Biochem Soc Trans** 1991 Apr;19(2):296–9 (25 ref.)
The ras protein family: evolutionary tree and role of conserved amino acids. Valencia A, et al. **Biochemistry** 1991 May 14;30(19):4637–48 (95 ref.)
Small GTP–binding proteins of the ras family: a conserved functional mechanism? Chardin P. **Cancer Cells** 1991 Apr; 3(4):117–26 (49 ref.)
Oncogene expression and prognosis in cervical cancer. Pillai R. **Cancer Lett** 1991 Aug;59(2):171–5 (22 ref.)
The role of ras gene expression and transforming growth factor alpha production in the etiology and progression of rodent and human breast cancer. Salomon DS, et al. **Cancer Treat Res** 1991;53:107–57 (278 ref.)
Cell fates in C. elegans: in medias ras. Greenwald I, et al. **Cell** 1990 Dec 21;63(6):1113–6 (26 ref.)
The ras superfamily of molecular switches. Macara IG. **Cell Signal** 1991;3(3):179–87 (77 ref.)
In vitro cell transformation by ras oncogenes. Spandidos DA, et al. **Crit Rev Oncog** 1989;1(2):195–209 (229 ref.)
Ras–related genes in Dictyostelium discoideum. Robbins SM, et al. **Dev Genet** 1991;12(1–2):147–53 (40 ref.)
The interplay between ras oncogenes and tumor suppressor genes in experimental carcinogenesis. Balmain A, et al. **Immunol Ser** 1990;51:75–88 (59 ref.)
Reversion and rereversion in ras–transformed cells. Marshall CJ. **Immunol Ser** 1990;51:89–106 (81 ref.)
[Activation of ras oncogene in myelodysplastic syndrome and acute myelogenous leukemia] Hirai H, et al. **Gan To Kagaku Ryoho** 1991 Jun;18(7):1090–7 (13 ref.) (Eng. Abstr.) **(Jpn)**
[UAG suppression in animal cells—synthesis of the sponge ras protein] Kuchino Y. **Tanpakushitsu Kakusan Koso** 1991 Apr;36(5):789–97 (27 ref.) **(Jpn)**

DRUG EFFECTS

Oncogenic proteins new targets for chemotherapeutic agents against cancer. Rey I, et al. **Fundam Clin Pharmacol** 1990; 4(4):401–22 (120 ref.)

GENETICS

Mutational activation of the c-K-ras gene in human pancreatic carcinoma. Shibata D, et al. **Baillieres Clin Gastroenterol** 1990 Mar;4(1):151–69 (96 ref.)

Transforming collaborations between ras and nuclear oncogenes. Ruley HE. **Cancer Cells** 1990 Aug-Sep; 2(8–9):258–68 (106 ref.)

The role of ras gene mutations in myeloproliferative disorders. Liu ET. **Clin Lab Med** 1990 Dec;10(4):797–807 (43 ref.)

Mutational analysis of human NRAS genes in malignant melanoma: rapid methods for oligonucleotide hybridization and manual and automated direct sequencing of products generated by the polymerase chain reaction. Dicker AP, et al. **Genes Chromosom Cancer** 1990 Mar;1(4):257–69 (37 ref.)

PHYSIOLOGY

The ras oncogenes in human lung cancer. Rodenhuis S, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S27–30 (54 ref.)

The Ras superfamilies: regulatory proteins and post-translational modifications. Evans T, et al. **Curr Opin Cell Biol** 1991 Apr;3(2):185–91 (44 ref.)

RAS genes in Saccharomyces cerevisiae: signal transduction in search of a pathway. Broach JR. **Trends Genet** 1991 Jan;7(1):28–33 (42 ref.)

GENES, RB see **GENES, RETINOBLASTOMA**

GENES, RECESSIVE

Autosomal recessive Peters anomaly, typical facial appearance, failure to thrive, hydrocephalus, and other anomalies: further delineation of the Krause-Kivlin syndrome. Frydman M, et al. **Am J Med Genet** 1991 Jul 1;40(1):34–40 (28 ref.)

Recessive oncogenes in lung cancer. Kaye FJ, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S44–7 (48 ref.)

Rhizomelic chondrodysplasia punctata and survival beyond one year: a review of the literature and five case reports. Wardinsky TD, et al. **Clin Genet** 1990 Aug;38(2):84–93 (21 ref.)

GENETICS

Congenital myopathy with oculo-facial abnormalities (Marden-Walker syndrome). Linder N, et al. **Am J Med Genet** 1991 Jun 15;39(4):377–9 (11 ref.)

[Early detection of hereditary hemochromatosis and Wilson's disease] Niederau C, et al. **Z Gastroenterol Verh** 1991 Mar; 26:82–7 (29 ref.) **(Ger)**

[Molecular basis of phenylketonuria] Jaruzelska J, et al. **Postepy Biochem** 1990;36(3-4):24–31 (54 ref.) **(Pol)**

GENES, REGULATOR

see related

TRANS-ACTIVATION (GENETICS)

MyoD: a regulatory gene of skeletal myogenesis. Tapscott SJ, et al. **Adv Exp Med Biol** 1990;280:3–5; discussion 5–6 (13 ref.)

The OxyR regulon. Storz G, et al. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):157–61 (17 ref.)

From cell membrane to nucleotides: the phosphate regulon in Escherichia coli. Torriani A. **Bioessays** 1990 Aug; 12(8):371–6 (39 ref.)

Different combinations of regulatory elements may explain why placenta-specific expression of the glycoprotein hormone alpha-subunit gene occurs only in primates and horses. Nilson JH, et al. **Biol Reprod** 1991 Feb;44(2):231–7 (35 ref.)

Analysis of regulatory genes using the transgenic mouse system. Byrne GW, et al. **Biotechnology** 1991;16:135–52 (48 ref.)

Suppressors of the malignant phenotype. Mikkelsen T, et al. **Cell Growth Differ** 1990 Apr;1(4):201–7 (102 ref.)

Polymorphisms of the regulators of complement activation gene cluster. Hourcade D, et al. **Complement Inflamm** 1990; 7(4–6):302–14 (71 ref.)

Myogenesis and developmental control genes. Emerson CP. **Curr Opin Cell Biol** 1990 Dec;2(6):1065–75 (26 ref.)

How are the regulators regulated? Falvey E, et al. **FASEB J** 1991 Mar 1;5(3):309–14 (51 ref.)

The low-Ca2+ response virulence regulon of human-pathogenic Yersiniae. Straley SC. **Microb Pathog** 1991 Feb;10(2):87–91 (23 ref.)

Mouse versions of fly developmental control genes: legitimate or illegitimate relatives? Lobe CG, et al. **New Biol** 1989 Oct;1(1):9–18 (65 ref.)

The myoD gene family: nodal point during specification of the muscle cell lineage. Weintraub H, et al. **Science** 1991 Feb 15;251(4995):761–6 (69 ref.)

Molecular and cellular interactions responsible for intrasegmental patterning during Drosophila embryogenesis. DiNardo S, et al. **Semin Cell Biol** 1990 Jun; 1(3):173–83 (68 ref.)

Of moulds and men, or two fingers are not better than one. Scazzocchio C. **Trends Genet** 1990 Oct;6(10):311–3 (18 ref.)

PHYSIOLOGY

MyoD family: a paradigm for development? Olson EN. **Genes Dev** 1990 Sep;4(9):1454–61 (63 ref.)

GENES, REITERATED

The heterologous expression of the cytochromes P450: a new approach for the study of enzyme activities and regulation. Estabrook RW, et al. **Adv Enzyme Regul** 1991;31:365–83 (31 ref.)

Structural and functional diversities of a family of signal transducing protein kinases, protein kinase C family; two distinct classes of PKC, conventional cPKC and novel nPKC. Ohno S, et al. **Adv Enzyme Regul** 1991;31:287–303 (62 ref.)

Occurrence of high-grade T-cell lymphoma in a patient with Philadelphia chromosome-negative chronic myelogenous leukemia with breakpoint cluster region rearrangement: case report and review of the literature. Djulbegović B, et al. **Am J Hematol** 1991 Jan;36(1):63–4 (9 ref.)

Duplication 3q(q21----qter) without limb anomalies. Ismail SR, et al. **Am J Med Genet** 1991 Mar 15;38(4):518–22 (14 ref.)

ETS family of genes in leukemia and Down syndrome. Papas TS, et al. **Am J Med Genet Suppl** 1990;7:251–61 (51 ref.)

The dominant control region of the human beta-globin domain. Grosveld F, et al. **Ann N Y Acad Sci** 1990; 612:152–9 (25 ref.)

The alpha-thalassemias. Higgs DR, et al. **Ann N Y Acad Sci** 1990;612:15–22 (36 ref.)

The superfamily of proteins with von Willebrand factor type A-like domains: one theme common to components of extracellular matrix, hemostasis, cellular adhesion, and defense mechanisms. Colombatti A, et al. **Blood** 1991 Jun 1;77(11):2305–15 (112 ref.)

The HSP70 multigene family of Caenorhabditis elegans. Heschl MF, et al. **Comp Biochem Physiol [B]** 1990; 96(4):633–7 (40 ref.)

Polymorphisms of the regulators of complement activation gene cluster. Hourcade D, et al. **Complement Inflamm** 1990; 7(4–6):302–14 (71 ref.)

The glucoamylase multigene family in Saccharomyces cerevisiae var. diastaticus: an overview. Pretorius IS, et al. **Crit Rev Biochem Mol Biol** 1991;26(1):53–76 (135 ref.)

Expression and function of myc family genes. Zimmerman K, et al. **Crit Rev Oncog** 1990;2(1):75–95 (229 ref.)

The UDP glucuronosyltransferase gene superfamily: suggested nomenclature based on evolutionary divergence. Burchell B, et al. **DNA Cell Biol** 1991 Sep;10(7):487–94 (40 ref.)

Superfamily of steroid nuclear receptors: positive and negative regulators of gene expression. Wahli W, et al. **FASEB J** 1991 Jun;5(9):2243–9 (58 ref.)

The Xlr (X-linked lymphocyte regulated) gene family (a candidate locus for an X-linked primary immune deficiency). Garchon HJ. **Immunodefic Rev** 1991; 2(4):283–302 (53 ref.)

Molecular biology of the anion exchanger gene family. Kopito RR. **Int Rev Cytol** 1990;123:177–99 (67 ref.)

Characterization and functional allotment of proto-oncogenes belonging to the src family. Toyoshima K, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:111–7 (21 ref.)

Pairing of VK and VK gene families in self-reactive antibodies. Bona CA, et al. **J Clin Immunol** 1990 Sep; 10(5):223–36 (67 ref.)

Partial duplication of the long arm of chromosome 6: a clinically recognisable syndrome. Pivnick EK, et al. **J Med Genet** 1990 Aug;27(8):523–6 (20 ref.)

Multigene families and the evolution of complexity. Ohta T. **J Mol Evol** 1991 Jul;33(1):34–41 (46 ref.)

The hok killer gene family in gram-negative bacteria. Gerdes K, et al. **New Biol** 1990 Nov;2(11):946–56 (37 ref.)

Voltage-dependent potassium channels: minK and Shaker families. Kaczmarek LK. **New Biol** 1991 Apr;3(4):315–23 (85 ref.)

Polyketide synthase complexes: their structure and function in antibiotic biosynthesis. Robinson JA. **Philos Trans R Soc Lond [Biol]** 1991 May 29; 332(1263):107–14 (29 ref.)

The brain nicotinic acetylcholine receptor gene family. Heinemann S, et al. **Prog Brain Res** 1990;86:195–203 (48 ref.)

Molecular structure and transcriptional regulation of the salivary gland proline-rich protein multigene families. Carlson DM, et al. **Prog Nucleic Acid Res Mol Biol** 1991; 41:1–22 (56 ref.)

The ZFY gene family in humans and mice. Koopman P, et al. **Trends Genet** 1991 Apr;7(4):132–6 (34 ref.)

DRUG EFFECTS

Theoretical mechanisms for synthesis of carcinogen-induced embryonic proteins: XXIV. Repeated embryonic genes in liver. Hancock RL. **Med Hypotheses** 1991 Mar; 34(3):256–60 (33 ref.)

GENETICS

Tandem duplication of proximal 5q. Rojas-Martinez A, et al. **Ann Genet** 1990;33(4):228–30 (11 ref.)

A new hematopoietic growth factor receptor superfamily: structural features and implications for signal transduction. D'Andrea AD, et al. **Curr Opin Cell Biol** 1990 Aug; 2(4):648–51 (18 ref.)

Structure and evolution of 5S rRNA genes. Gniadkowski M, et al. **Postepy Biochem** 1990;36(3–4):2–4 (8 ref.)

The ETS family of genes: structural analysis, gene products, and involvement in neoplasia and other pathologies. Papas TS, et al. **Prog Clin Biol Res** 1990;360:137–68 (53 ref.)

[The immunoglobulin superfamily] Colombani J. **Rev Fr Transfus Hemobiol** 1991 Mar;34(2):151–65 (23 ref.) **(Fre)**

GENES, RETINOBLASTOMA

The genetics of retinoblastoma [editorial] Cowell JK. **Br J Cancer** 1991 Mar;63(3):333–6 (49 ref.)

The retinoblastoma gene: its role in human malignancies. Benedict WF, et al. **Cancer Invest** 1990;8(5):535–40 (35 ref.)

Role of the retinoblastoma gene in the oncogenesis of human breast carcinoma. Lee EY, et al. **Cancer Treat Res** 1991; 53:23–44 (80 ref.)

Molecular biology of the human retinoblastoma gene. Lee WH, et al. **Immunol Ser** 1990;51:169–200 (92 ref.)

The recessive mutational concept of oncogenesis. Seemayer TA. **Pediatr Pathol** 1990;10(6):859–65 (35 ref.)

GENETICS

Recessive oncogenes in lung cancer. Kaye FJ, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S44–7 (48 ref.)

Molecular genetics of the retinoblastoma suppressor gene. Bookstein R, et al. **Crit Rev Oncog** 1991;2(3):211–27 (132 ref.)

The genetics of retinoblastoma. Relevance to the patient. Gallie BL, et al. **Pediatr Clin North Am** 1991 Apr; 38(2):299–315 (93 ref.)

Diverse mutations lead to inactivation of the retinoblastoma gene. Lee EY, et al. **Prog Clin Biol Res** 1991;362:221–40 (54 ref.)

GENES, REX see **GENES, PX**

GENES, SPLICED see **DNA, RECOMBINANT**

GENES, SRC

Drosophila src family proteins. Wadsworth SC. **Comp Biochem Physiol [B]** 1990;97(3):403–6 (12 ref.)

Characterization and functional allotment of proto-oncogenes belonging to the src family. Toyoshima K, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:111–7 (21 ref.)

Function, location, and regulation of the src protein-tyrosine kinase. Varmus H, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:63–70 (40 ref.)

GENETICS

src expression in small-cell lung carcinoma and other neuroendocrine malignancies. Påhlman S, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S54–6 (33 ref.)

The c-src family of protein-tyrosine kinases. Brickell PM. **Int J Exp Pathol** 1991 Feb;72(1):97–108 (68 ref.)

GENES, STRUCTURAL

Strategies for analysis of gene expression: pulmonary surfactant proteins. Stripp BR, et al. **Am J Physiol** 1990 Oct;259(4 Pt 1):L185–97 (133 ref.)

One gene encoding three proteins with different functions. Mihal K, et al. **Am J Respir Cell Mol Biol** 1991 Jul;5(1):1–3 (22 ref.)

Gap genes and gradients--the logic behind the gaps. Hülskamp M, et al. **Bioessays** 1991 Jun;13(6):261–8 (50 ref.)

Drosophila chorion genes: cracking the eggshell's secrets. Orr-Weaver TL. **Bioessays** 1991 Mar;13(3):97–105 (42 ref.)

Molecular basis of mouse developmental mutants. Reith AD, et al. **Genes Dev** 1991 Jul;5(7):1115–23 (130 ref.)

Genes involved in the development of the peripheral nervous system of Drosophila. Giangrande A, et al. **Semin Cell Biol** 1990 Jun;1(3):197–209 (80 ref.)

DRUG EFFECTS

Growth factor-responsive genes in fibroblasts. Bravo R. **Cell Growth Differ** 1990 Jun;1(6):305–9 (71 ref.)

Xenobiotic regulation of glutathione S-transferase Ya gene expression. Paulson KE. **Mol Toxicol** 1989 Oct-Dec; 2(4):215–35 (48 ref.)

GENETICS

Congenital cardiovascular malformations (CCVM) and structural chromosome abnormalities: a report of 9 cases and literature review. Roskes EJ, et al. **Clin Genet** 1990 Sep;38(3):198–210 (165 ref.)

[Genetic control over the determination and proliferation of melanocyte stem cells in mammals] Koniukhov BV.

Ontogenez 1991 Mar–Apr;22(2):167–75 (47 ref.) (Eng. Abstr.) **(Rus)**

GENES, STRUCTURAL, BACTERIAL

The hok killer gene family in gram-negative bacteria. Gerdes K, et al. **New Biol** 1990 Nov;2(11):946–56 (37 ref.)

GENES, STRUCTURAL, FUNGAL

Eukaryotic DNA repair: glimpses through the yeast Saccharomyces cerevisiae. Friedberg EC. **Bioessays** 1991 Jun;13(6):295–302 (50 ref.)

The glucoamylase multigene family in Saccharomyces cerevisiae var. diastaticus: an overview. Pretorius IS, et al. **Crit Rev Biochem Mol Biol** 1991;26(1):53–76 (135 ref.)

Genes directly involved in the biosynthesis of beta-lactam antibiotics. Barredo JL, et al. **Microbiologia** 1991 Jun; 7(1):1–12 (68 ref.)

GENES, STRUCTURAL, NEOPLASM

GENETICS

Genetic control of carcinogenesis in experimental animals. Drinkwater NR, et al. **Prog Exp Tumor Res** 1991;33:1–20 (62 ref.)

GENES, STRUCTURAL, PLANT

Activation, structure, and organization of genes involved in microbial defense in plants. Dixon RA, et al. **Adv Genet** 1990;28:165–234 (410 ref.)

Response of plant antioxidant defense genes to environmental stress. Scandalios JG. **Adv Genet** 1990;28:1–41 (136 ref.)

Gene-for-gene complementarity in plant-pathogen interactions. Keen NT. **Annu Rev Genet** 1990;24:447–63 (61 ref.)

GENES, SUPPRESSOR

see related
SUPPRESSION, GENETIC

Structure and function of the maize Spm transposable element. Masson P, et al. **Biochimie** 1991 Jan;73(1):5–8 (23 ref.)

GENES, SUPPRESSOR, TUMOR

Transcriptional and translational regulation of the expression of the l(2)gl tumor suppressor gene of Drosophila melanogaster. Strand D, et al. **Adv Enzyme Regul** 1991; 31:339–50 (20 ref.)

Human tumor suppressor genes. Stanbridge EJ. **Annu Rev Genet** 1990;24:615–57 (246 ref.)

Genetic regulation of metastatic progression. Wright JA, et al. **Anticancer Res** 1990 Sep–Oct;10(5A):1247–55 (91 ref.)

Cancer genes in gastrointestinal malignancy. Sikora K. **Baillieres Clin Gastroenterol** 1990 Mar;4(1):135–50 (59 ref.)

Oncogenes and tumor suppressor genes involved in human lung carcinogenesis. Harris CC, et al. **Basic Life Sci** 1990; 53:363–79 (85 ref.)

Recessive oncogenes, antioncogenes and tumour suppression. Mitchell CD. **Br Med Bull** 1991 Jan;47(1):136–56 (89 ref.)

Genes and cancer. Stoler AB. **Br Med Bull** 1991 Jan; 47(1):64–75 (51 ref.)

Molecular themes in oncogenesis. Bishop JM. **Cell** 1991 Jan 25;64(2):235–48 (191 ref.)

Tumor suppressor genes. Marshall CJ. **Cell** 1991 Jan 25; 64(2):313–26 (151 ref.)

Tumor-suppressor genes of Drosophila melanogaster. Gateff E, et al. **Crit Rev Oncog** 1989;1(2):221–45 (168 ref.)

Chromosomes, oncogenes, and neoplasia. Nowell PC. **Del Med J** 1990 Sep;62(9):1227–30 (5 ref.)

Genetic and molecular analysis of six tumor suppressor genes in Drosophila melanogaster. Löffler T, et al. **Environ Health Perspect** 1990 Aug;88:157–61 (13 ref.)

Role of oncogenes and tumour suppressor genes in human lung carcinogenesis. Harris CC, et al. **IARC Sci Publ** 1991; (105):294–304 (70 ref.)

The interplay between ras oncogenes and tumor suppressor genes in experimental carcinogenesis. Balmain A, et al. **Immunol Ser** 1990;51:75–88 (59 ref.)

Tumor suppressor genes: studies with hybrid mouse cells. Harris H. **Immunol Ser** 1990;51:1–13 (40 ref.)

Role of differentiation induction in tumor suppression. Marks PA, et al. **Immunol Ser** 1990;51:201–16 (74 ref.)

Tumor suppression in Drosophila. Mechler BM, et al. **Immunol Ser** 1990;51:123–44 (74 ref.)

Recessive mutations in the oncogenesis of certain solid tumors. Nordenskjöld M. **Immunol Ser** 1990;51:145–67 (84 ref.)

Regulated expression of retroviruses and their oncogenes: models for tumor suppression. Wyke J, et al. **Immunol Ser** 1990;51:49–73 (56 ref.)

Control of tumor virus expression by host cell genes. zur Hausen H. **Immunol Ser** 1990;51:107–21 (58 ref.)

Metastasis suppressor genes. Liotta LA, et al. **Important Adv Oncol** 1991;:85–100 (89 ref.)

Nakahara memorial lecture. Hereditary cancer, oncogenes, and anti-oncogenes. Knudson AG Jr. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:15–29 (47 ref.)

The evidence for human tumor suppressor genes. Stanbridge EJ. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:3–13 (44 ref.)

p53 mutations: gains or losses? Michalovitz D, et al. **J Cell Biochem** 1991 Jan;45(1):22–9 (48 ref.)

Tumor suppressor genes: new prospects for cancer research. Hollingsworth RE, et al. **J Natl Cancer Inst** 1991 Jan 16; 83(2):91–6 (50 ref.)

Proto-oncogene and tumor suppressor gene involvement in human lymphomas. Saglio G, et al. **Leukemia** 1991;5 Suppl 1:7–11 (33 ref.)

Tumor suppressor genes: possible functions in the negative regulation of cell proliferation. Boyd JA, et al. **Mol Carcinog** 1990;3(6):325–9 (27 ref.)

Expression cloning of tumor suppressor genes: a guide for optimists. Noda M. **Mol Carcinog** 1990;3(5):251–3 (13 ref.)

Is there a neuroblastoma anti-oncogene? Schwab M. **Prog Clin Biol Res** 1991;366:1–9 (15 ref.)

Lessons from the genetics of colon cancer. Ahnen DJ. **Scand J Gastroenterol Suppl** 1990;175:166–76 (44 ref.)

[Tumor suppressor genes: identification and role in malignant transformation] Schäfer R, et al. **Verh Dtsch Ges Pathol** 1990;74:328–34 (43 ref.) (Eng. Abstr.) **(Ger)**

[The genetic basis of suppression of tumors and metastases in Drosophila and man] Gateff E. **Zentralbl Chir** 1991; 116(7):423–31 (49 ref.) (Eng. Abstr.) **(Ger)**

[Chromosome abnormalities and tumor suppressor gene in childhood cancer] Hayashi Y. **Gan To Kagaku Ryoho** 1990 Dec;17(12):2327–32 (43 ref.) (Eng. Abstr.) **(Jpn)**

[Tumor-suppressor genes] Horikawa I, et al. **Gan To Kagaku Ryoho** 1991 Feb;18(2):153–9 (29 ref.) (Eng. Abstr.) **(Jpn)**

[Oncogenes, antioncogenes and carcinogenesis] Kopnin BP. **Arkh Patol** 1990;52(9):3–11 (58 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Tumor suppressor genes and cancer of the human nervous system. Chung RY, et al. **Cancer Invest** 1991;9(4):429–37 (108 ref.)

A review of the evidence for tumor suppressor genes. Geiser AG, et al. **Crit Rev Oncog** 1989;1(3):261–76 (165 ref.)

Mutations in human breast cancer cells: dominantly-acting oncogenes and tumor suppressor genes suggest strategies for targeted interference. Groner B, et al. **Int J Cancer Suppl** 1990;5:40–6 (60 ref.)

The role of differentiation in the suppression of malignancy. Harris H. **J Cell Sci** 1990 Sep;97 (Pt 1):5–10 (60 ref.)

Allele losses and onco-suppressor genes. Dunlop MG. **J Pathol** 1991 Jan;163(1):1–5 (10 ref.)

[Oncogenes and tumor suppressor genes: genetic changes mark the adenoma-carcinoma sequence] Schmiegel WH. **Internist (Berl)** 1991 Jun;32(6):315–20 (55 ref.) **(Ger)**

PHYSIOLOGY

Gene amplification in human lung cancer. The myc family genes and other proto-oncogenes and growth factor genes. Bergh JC. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S20–6 (77 ref.)

Genetic strategies of tumor suppression. Sager R. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S40–3 (45 ref.)

Oncogenes and tumor suppressor genes in human lung carcinogenesis. Iman DS, et al. **Crit Rev Oncog** 1991; 2(2):161–71 (111 ref.)

[Interaction of oncogene and anti-oncogene products] Zang J, et al. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):34–7 (17 ref.) **(Chi)**

GENES, SWITCH

GENETICS

Control of antigenic variation in African trypanosomes. Van der Ploeg LH. **New Biol** 1991 Apr;3(4):324–30 (85 ref.)

GENES, SYNTHETIC

Potential industrial use of cephalosporin biosynthetic enzymes and genes. An overview. Yeh WK, et al. **Ann N Y Acad Sci** 1990;613:128–41 (39 ref.)

Diphtheria-related peptide hormone gene fusions: a molecular genetic approach to chimeric toxin development. Murphy JR. **Cancer Treat Res** 1988;37:123–40 (51 ref.)

GENETICS

[Methods of DNA mutagenesis in vitro] Mejnartowicz M, et al. **Postepy Biochem** 1990;36(3–4):5–16 (157 ref.) **(Pol)**

GENES, TAX see **GENES, PX**

GENES, VIRAL

see related
DNA, VIRAL
RNA, VIRAL
VIRAL PROTEINS

Regulation of expression of the glycoprotein genes of herpes simplex virus type 1 (HSV-1). Levine M, et al. **Adv Exp Med Biol** 1990;278:151–64 (51 ref.)

Whither herpesviruses? Roizman B. **Adv Exp Med Biol** 1990; 278:285–91 (17 ref.)

Transcripts associated with herpes simplex virus latency. Stevens JG. **Adv Exp Med Biol** 1990;278:199–204 (17 ref.)

Expression of a plant virus-coded transport function by different viral genomes. Atabekov JG, et al. **Adv Virus Res** 1990;38:201–48 (218 ref.)

Genomic segment reassortment in rotaviruses and other reoviridae. Ramig RF, et al. **Adv Virus Res** 1991;39:163–207 (140 ref.)

Expression and interactions of human adenovirus oncoproteins. Boulanger PA, et al. **Biochem J** 1991 Apr 15;275 (Pt 2):281–99 (340 ref.)

The discovery of a single-stranded, circular DNA genome. Sinsheimer RL. **Bioessays** 1991 Feb;13(2):89–91 (12 ref.)

Studies on the regulation and pattern of expression of the equine infectious anemia virus genome. Yaniv A, et al. **Dev Biol Stand** 1990;72:59–73 (25 ref.)

Hepatitis A, B, C, D and E viruses: structure of their genomes and general properties. Valenzuela P. **Gastroenterol Jpn** 1990 Sep;25 Suppl 2:62–71 (71 ref.)

Regulated expression of retroviruses and their oncogenes: models for tumor suppression. Wyke J, et al. **Immunol Ser** 1990;51:49–73 (56 ref.)

Ambisense RNA viruses: positive and negative polarities combined in RNA virus genomes. Bishop DH. **Microbiol Sci** 1986 Jun;3(6):183–7 (22 ref.)

Hepatitis B virus as an insertional mutagene in a human hepatocellular carcinoma. Dejean A, et al. **Mol Biol Med** 1990 Jun;7(3):213–22 (35 ref.)

The HCMV genome project: what has been learned and what can be expected in the future. Chee M. **Transplant Proc** 1991 Jun;23(3 Suppl 3):174–80, discussion 180 (46 ref.)

Initial events involved in cytomegalovirus-cell interactions. Mocarski ES Jr. **Transplant Proc** 1991 Jun;23(3 Suppl 3):43–7, discussion 47 (37 ref.)

Region E3 of adenovirus: a cassette of genes involved in host immunosurveillance and virus-cell interactions. Wold WS, et al. **Virology** 1991 Sep;184(1):1–8 (70 ref.)

GENETICS

Nobel lecture. Retroviruses and oncogenes. I. Varmus HE. **Biosci Rep** 1990 Oct;10(5):413–30 (84 ref.)

Transforming properties of the HTLV-I tax gene. Weiss RA, et al. **Cancer Cells** 1990 Aug–Sep;2(8–9):281–3 (22 ref.)

Molecular biology of cytomegalovirus. Emery VC, et al. **Int J Exp Pathol** 1990 Dec;71(6):905–18 (104 ref.)

Overview of flavivirus molecular biology and future vaccine development via recombinant DNA. Rice CM. **Southeast Asian J Trop Med Public Health** 1990 Dec; 21(4):670–7 (54 ref.)

[Discovery and significance of core gene mutagenic strain of hepatitis B virus] Weng YM. **Chung Hua I Hsueh Tsa Chih** 1990 Nov;70(11):664–5 (7 ref.) **(Chi)**

[The trans-activator genes of viral transcription (editorial)] **Vopr Virusol** 1990 May-Jun;35(3):255–7 (24 ref.) **(Rus)**

PHYSIOLOGY

RAS genes in Saccharomyces cerevisiae: signal transduction in search of a pathway. Broach JR. **Trends Genet** 1991 Jan;7(1):28–33 (42 ref.)

[Molecular basis of latency of herpes simplex virus type 1] Borowicz B, et al. **Postepy Biochem** 1991;37(1):49–52 (49 ref.) **(Pol)**

GENES, WILMS' TUMOR

Wilms tumour: a developmental anomaly. Hastie ND, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:145–50 (14 ref.)

GENETIC CARRIERS see **HETEROZYGOTE**

GENETIC CARRIERS, DETECTION see **HETEROZYGOTE DETECTION**

GENETIC CODE

Transfer RNAs for primordial amino acids contain remnants of a primitive code at position 3 to 5. Möller W, et al. **Biochimie** 1990 May;72(5):361–8 (30 ref.)

The grammatical rule for all DNA: junk and coding sequences. Ohno S, et al. **Electrophoresis** 1991 Feb–Mar; 12(2–3):103–8 (20 ref.)

Eucaryotic codes. Caron F. **Experientia** 1990 Dec 1; 46(11–12):1106–17 (134 ref.)

Messenger RNA editing and the genetic code. Cattaneo R. **Experientia** 1990 Dec 1;46(11–12):1142–8 (55 ref.)

Genetic code 1990. Outlook [published erratum appears in Experientia 1991 Apr 15;47(4):399] Jukes TH. **Experientia** 1990 Dec 1;46(11–12):1149–57 (50 ref.)

The genetic code in mitochondria and chloroplasts. Jukes TH, et al. **Experientia** 1990 Dec 1;46(11–12):1117–26 (37 ref.)

Suppression and the code: beyond codons and anticodons. Murgola EJ. **Experientia** 1990 Dec 1;46(11–12):1134–41 (85 ref.)

Prokaryotic genetic code. Osawa S, et al. **Experientia** 1990 Dec 1;46(11–12):1097–106 (33 ref.)

The accuracy of aminoacylation--ensuring the fidelity of the genetic code. Söll D. **Experientia** 1990 Dec 1; 46(11–12):1089–96 (63 ref.)

Deviations from the 'universal' genetic code. Caron F. **Microbiol Sci** 1986 Feb;3(2):36–40 (27 ref.)

The revised genetic code. Ninio J. **Orig Life Evol Biosph** 1990;20(2):167–71 (39 ref.)
Evolutionary changes in the genetic code. Osawa S, et al. **Proc R Soc Lond [Biol]** 1990 Jul 23;241(1300):19–28 (38 ref.)

PHYSIOLOGY

The protein structure code: what is its present status? Garnier J, et al. **Comput Appl Biosci** 1991 Apr;7(2):133–42 (67 ref.)
[Expression of eukaryotic rDNA genes] Swat W, et al. **Postepy Biochem** 1990;36(1–2):4–13 (82 ref.) **(Pol)**

GENETIC COUNSELING

see related
GENETIC TECHNIQUES

Clinical genetics and genetic counseling in Alzheimer disease. Breitner JC. **Ann Intern Med** 1991 Oct 15;115(8):601–6 (60 ref.)
Very early onset Huntington's disease: genetic mechanism and risk to siblings. Clarke DJ, et al. **Clin Genet** 1990 Sep; 38(3):180–6 (34 ref.)
Reproductive planning after genetic counselling: a perspective from the last decade. Frets PG, et al. **Clin Genet** 1990 Oct;38(4):295–306 (90 ref.)
Prenatal diagnosis of hemoglobinopathies. Fischel-Ghodsian N. **Clin Perinatol** 1990 Dec;17(4):811–28 (161 ref.)
Prenatal genetic counseling. Garber AP, et al. **Clin Perinatol** 1990 Dec;17(4):749–59 (23 ref.)
Genetics of common diseases of adulthood. Implications for prenatal counseling and diagnosis. Lubin MB, et al. **Clin Perinatol** 1990 Dec;17(4):889–910 (63 ref.)
Preconceptional planning. Jones TB, et al. **Obstet Gynecol Clin North Am** 1990 Dec;17(4):801–15 (31 ref.)
Genetics of cystic kidney diseases. Criteria for classification and genetic counselling. Zerres K. **Pediatr Nephrol** 1987 Jul;1(3):397–404 (41 ref.)
[Prevention of atopic hypersensitivity. Principles and status of current knowledge. A review for the obstetrician] Rebmann H. **Geburtshilfe Frauenheilkd** 1991 Feb;51(2):85–9 (41 ref.) (Eng. Abstr.) **(Ger)**
[Prevention of familiar tumor diseases using genetic counseling and early diagnosis] Müller H, et al. **Schweiz Med Wochenschr** 1990 Oct 6;120(40):1451–60 (74 ref.) (Eng. Abstr.) **(Ger)**
[Primary immunodeficiency 1991: new uses and prospects of genetic counseling] Notarangelo LD, et al. **Pediatr Med Chir** 1991 Mar–Apr;13(2):129–33 (20 ref.) (Eng. Abstr.) **(Ita)**
[Ethical aspects of modern genetics] Lisker R. **Rev Invest Clin** 1990 Jan–Mar;42(1):63–7 (1 ref.) **(Spa)**

LEGISLATION & JURISPRUDENCE

The impact of genetics on society: the law's response. Lupton ML. **Med Law** 1991;10(1):55–76 (118 ref.)

METHODS

[Genetic counseling in prenatal diagnosis of cystic fibrosis] Wolff G, et al. **Monatsschr Kinderheilkd** 1991 May; 139(5):275–81 (21 ref.) (Eng. Abstr.) **(Ger)**
[Genetic aspects of man's adaptation to long-term space flight] Delone NL, et al. **Kosm Biol Aviakosm Med** 1991 Mar–Apr;25(2):10–5 (50 ref.) (Eng. Abstr.) **(Rus)**

STANDARDS

Genetic services for underserved populations. Consensus recommendations. **Birth Defects** 1990;26(2):243–56 (0 ref.)
Genetic services for underserved populations. Scope of the problem. **Birth Defects** 1990;26(2):257–80 (0 ref.)

GENETIC DIVERSITY see **VARIATION (GENETICS)**

GENETIC DRIFT see **GENE FREQUENCY**

GENETIC ENGINEERING

see related
ANIMALS, TRANSGENIC
DNA, RECOMBINANT
MICE, TRANSGENIC
PROTEIN ENGINEERING

Drug delivery by genetically engineered cell implants. Zwiebel JA, et al. **Ann N Y Acad Sci** 1991;618:394–404 (33 ref.)
The production of foreign proteins in Saccharomyces cerevisiae. Valenzuela P. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):231–40 (37 ref.)
Genetic engineering of plants for virus resistance. Gadani F, et al. **Arch Virol** 1990;115(1–2):1–21 (143 ref.)
The use of gene targeting to develop animal models for human genetic diseases. Melton DW. **Biochem Soc Trans** 1990 Dec;18(6):1035–9 (24 ref.)
Antibody engineering and perspectives in therapy. Lefranc G, et al. **Biochimie** 1990 Sep;72(9):639–51 (74 ref.)
Using embryonic stem cells to introduce mutations into the mouse germ line. Robertson EJ. **Biol Reprod** 1991 Feb; 44(2):238–45 (41 ref.)
Quantifying the risks of invasion by genetically engineered organisms. Kim J, et al. **Biotechnology** 1991;15:193–214 (18 ref.)
Quantifying the spread of recombinant genes and organisms. Manasse R, et al. **Biotechnology** 1991;15:215–31 (36 ref.)
Opportunities for bioactive compounds in transgenic plants. Hall TC, et al. **Ciba Found Symp** 1990;154:177–94; discussion 194–7 (86 ref.)
Man-made antibodies. Winter G, et al. **Nature** 1991 Jan 24; 349(6307):293–9 (90 ref.)
Agricultural biotechnology: occupational health and regulatory issues. Glass DJ. **Occup Med** 1991 Apr–Jun; 6(2):301–10 (19 ref.)
Risk assessment of biological hazards in the biotechnology industry. Liberman DF, et al. **Occup Med** 1991 Apr–Jun; 6(2):285–99 (51 ref.)
The use of gene technology in the clinical laboratory. Børresen AL. **Scand J Clin Lab Invest Suppl** 1990;202:9–13 (13 ref.)
Agrobacterium in plant disease, biological disease control and plant genetic engineering. Clare BG. **Sci Prog** 1990; 74(293 Pt 1):1–13 (23 ref.)
Implications for the release of genetically engineered organisms. Pickup RW, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:19S–30S (100 ref.)
[Directions of an ethic in genetic engineering: evaluation of an ethic for biotechnology] Irrgang B. **Naturwissenschaften** 1990 Dec;77(12):569–77 (16 ref.) (Eng. Abstr.) **(Ger)**
[Contribution by discussion on the release of transgenic organisms. I. Genetic aspects] Wöhrmann K. **Naturwissenschaften** 1991 Apr;78(4):154–7 (23 ref.) (Eng. Abstr.) **(Ger)**
[Contribution to the discussion on the release of transgenic organisms. II. Ecologic aspects] Wöhrmann K. **Naturwissenschaften** 1991 May;78(5):209–14 (59 ref.) (Eng. Abstr.) **(Ger)**
[Ethical and political questions regarding experimental genetics] Fey H. **Schweiz Arch Tierheilkd** 1991;133(1):5–11 (24 ref.) **(Ger)**
[Antisense RNA in transgenic plants] Gartel' AL. **Mol Gen Mikrobiol Virusol** 1990 Aug;(8):29–32 (15 ref.) (Eng. Abstr.) **(Rus)**
[Ethical aspects of modern genetics] Lisker R. **Rev Invest Clin** 1990 Jan–Mar;42(1):63–7 (1 ref.) **(Spa)**

LEGISLATION & JURISPRUDENCE

Regulation of biotechnology by the Environmental Protection Agency. Rogul M, et al. **Biotechnology** 1991; 15:233–65 (28 ref.)

METHODS

Gene technologies for antibody engineering. Winter G. **Behring Inst Mitt** 1990 Dec;(87):10–20 (42 ref.)
Genetically engineered monoclonal antibodies. Clackson TP. **Br J Rheumatol** 1991;30 Suppl 2:36–9 (32 ref.)
Genetic manipulation of mammals and its application in reproductive biology. Wilmut I, et al. **J Reprod Fertil** 1991 Jul;92(2):245–79 (223 ref.)
Toward a science of metabolic engineering. Bailey JE. **Science** 1991 Jun 21;252(5013):1668–75 (85 ref.)
Network rigidity and metabolic engineering in metabolite overproduction. Stephanopoulos G, et al. **Science** 1991 Jun 21;252(5013):1675–81 (49 ref.)
[Genome structure, molecular genetics and genetic engineering of cyanobacteria] Yanagisawa S, et al. **Tanpakushitsu Kakusan Koso** 1991 Jul;36(9):1621–7 (24 ref.) **(Jpn)**

TRENDS

Biotechnology: its impact on medicine and oncology. Borden EC. **Ann Acad Med Singapore** 1991 Mar;20(2):255–9 (17 ref.)
Medicine and genetic engineering: just another method or a new paradigm? Drews J. **Arzneimittelforschung** 1991 Jan; 41(1):94–100 (6 ref.)
Perspectives for the genetic engineering of plants for agriculture, horticulture and industry. von Wettstein D. **Plant Mol Biol** 1989 Sep;13(3):313–7 (15 ref.)

VETERINARY

Vectors and genes for improvement of animal strains. Hughes SH, et al. **J Reprod Fertil Suppl** 1990;41:39–49 (45 ref.)
Animal production industry in the year 2000 A.D. Massey JM. **J Reprod Fertil Suppl** 1990;41:199–208 (38 ref.)

GENETIC ENGINEERING OF PROTEINS see **PROTEIN ENGINEERING**

GENETIC INDUCTION see **GENE EXPRESSION REGULATION**

GENETIC INTERVENTION see **GENETIC ENGINEERING**

GENETIC MARKERS

see related
CHROMOSOME MAPPING

Applications of restriction fragment length polymorphism. Narayanan S. **Ann Clin Lab Sci** 1991 Jul–Aug;21(4):291–6 (18 ref.)
Use of recombinant inbred strains to detect quantitative trait loci associated with behavior. Plomin R, et al. **Behav Genet** 1991 Mar;21(2):99–116 (30 ref.)
Genetic susceptibility to atherosclerosis. Chamberlain JC, et al. **Br Med Bull** 1990 Oct;46(4):917–40 (63 ref.)
Report of the committee on clinical disorders and chromosomal deletion syndromes. Frezal J, et al. **Cytogenet Cell Genet** 1990;55(1–4):321–57 (826 ref.)
Report of the committee on linkage and gene order. Keats BJ, et al. **Cytogenet Cell Genet** 1990;55(1–4):387–94 (21 ref.)
Epidemiologic approaches to the use of DNA markers in the search for disease susceptibility genes. Khoury MJ, et al. **Epidemiol Rev** 1990;12:41–55 (50 ref.)
Human variable number of tandem repeat probes as a source of polymorphic markers in experimental animals. de Gouyon B, et al. **Experientia Suppl** 1991;58:85–94 (16 ref.)
Identification of markers associated with quantitative trait loci in chickens by DNA fingerprinting. Kuhnlein U, et al. **Experientia Suppl** 1991;58:274–82 (14 ref.)
Problems of genetic counseling in the presence of supernumerary marker chromosomes (case reports and a review of publications). Stefanova M, et al. **Folia Med (Plovdiv)** 1990;32(2):29–33 (23 ref.)
Clone and genomic repositories at the American Type Culture Collection. Maglott DR, et al. **Genomics** 1990 Nov; 8(3):601–5 (14 ref.)
Cytogenetic markers in detecting the effects of exposure to complex mixtures of chemicals. Evans HJ. **IARC Sci Publ** 1990;(104):134–46 (49 ref.)
Implications of genetic markers and maps for veterinary medicine. Troyer DL, et al. **J Am Vet Med Assoc** 1990 Nov 15;197(10):1376–80 (35 ref.)
Formal genetics in humans: mendelian and nonmendelian inheritance. Pyeritz RE. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:47–73 (53 ref.)
Severity, pathobiology, epistatic effects, and genetic markers in sickle cell anemia. Nagel RL. **Semin Hematol** 1991 Jul; 28(3):180–201 (120 ref.)
[DNA diagnosis in veterinary medicine: I. DNA fingerprinting] Schelling CP, et al. **Schweiz Arch Tierheilkd** 1991;133(1):13–22 (80 ref.) (Eng. Abstr.) **(Ger)**
[DNA markers in the diagnosis and prophylaxis of internal diseases] Buraczyńska M, et al. **Pol Arch Med Wewn** 1990 Nov;84(5):302–8 (27 ref.) **(Pol)**

GENETICS

DNA markers and biological vulnerability markers in families multiply affected with schizophrenia. Blackwood D, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;240(3):191–6 (38 ref.)
DNA and classical genetic markers in schizophrenia. Owen MJ, et al. **Eur Arch Psychiatry Clin Neurosci** 1991; 240(3):197–203 (62 ref.)
Doubt about evidence for a schizophrenia gene on chromosome 5 [editorial] Watt DC, et al. **Psychol Med** 1991 May;21(2):279–85 (29 ref.)
The current status of linkage studies in schizophrenia. Gelernter J, et al. **Res Publ Assoc Res Nerv Ment Dis** 1991; 69:137–52 (152 ref.)
[Principles of DNA diagnosis exemplified by cystic fibrosis] Peinemann F, et al. **Monatsschr Kinderheilkd** 1991 Feb; 139(2):83–8 (20 ref.) (Eng. Abstr.) **(Ger)**

GENETIC RECOMBINATION see **RECOMBINATION, GENETIC**

GENETIC SCREENING

see related
HETEROZYGOTE DETECTION

Confidentiality of genetic information in the workplace. Andrews LB, et al. **Am J Law Med** 1991;17(1–2):75–108 (213 ref.)
Prenatal genetic testing and screening: constructing needs and reinforcing inequities. Lippman A. **Am J Law Med** 1991;17(1–2):15–50 (164 ref.)
Classify and control: genetic information in the schools. Nelkin D, et al. **Am J Law Med** 1991;17(1–2):51–73 (146 ref.)
Clinical screening for collagen defects in connective tissue diseases. Cohn DH, et al. **Clin Perinatol** 1990 Dec; 17(4):793–809 (107 ref.)
Genetics of common diseases of adulthood. Implications for prenatal counseling and diagnosis. Lubin MB, et al. **Clin Perinatol** 1990 Dec;17(4):889–910 (63 ref.)
The impact of genetics on society: the law's response. Lupton ML. **Med Law** 1991;10(1):55–76 (118 ref.)
Newborn screening for hemoglobinopathies. Rowley PT. **Semin Perinatol** 1990 Dec;14(6):483–7 (48 ref.)
Neonatal screening for inborn errors of metabolism: update. Seashore MR. **Semin Perinatol** 1990 Dec;14(6):431–8 (40 ref.)

METHODS

Biochemical screening. Cuckle HS, et al. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):246–52 (23 ref.)
DNA prenatal diagnosis. Gilbert F, et al. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):226–35 (8 ref.)
Chorionic villus sampling as the primary diagnostic tool in prenatal diagnosis. Should it replace genetic amniocentesis?

Doran TA. **J Reprod Med** 1990 Oct;35(10):935–40 (27 ref.)
Genetic screening for the next decade: application of present and new technologies. McCabe ER. **Yale J Biol Med** 1991 Jan–Feb;64(1):9–14 (32 ref.)

GENETIC TECHNIQUES

Strategies for analysis of gene expression: pulmonary surfactant proteins. Stripp BR, et al. **Am J Physiol** 1990 Oct;259(4 Pt 1):L185–97 (133 ref.)
Quantitative approaches for studying gene expression. Wiesner RJ, et al. **Am J Physiol** 1991 Apr;260(4 Pt 1):L179–88 (59 ref.)
The use of direct gene analysis to define beta–thalassemia. Dozy AM, et al. **Ann N Y Acad Sci** 1990;612:22–30 (19 ref.)
Prospects for nucleic acid biosensors. Downs ME. **Biochem Soc Trans** 1991 Feb;19(1):39–43 (21 ref.)
New DNA–analysis techniques (minireview). Coutelle C. **Biomed Biochim Acta** 1991;50(1):3–10 (27 ref.)
Molecular methods to detect the Philadelphia chromosome. Hooberman AL, et al. **Clin Lab Med** 1990 Dec;10(4):839–55 (53 ref.)
Techniques in plant molecular biology—progress and problems. Walden R, et al. **Eur J Biochem** 1990 Sep 24; 192(3):563–76 (181 ref.)
The new metabolism: molecular genetics in the analysis of metabolic regulation. Goodridge AG. **FASEB J** 1990 Oct; 4(13):3099–110 (47 ref.)
DNA diagnostic tests: expanding role and evolving techniques. Danks DM. **Med J Aust** 1991 Jan 7;154(1):3–7 (7 ref.)
[Molecular methods of genome analysis] Bouillaud F, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:7–18 (0 ref.) **(Fre)**
[Importance of genetic techniques for diagnosis] Afting EG, et al. **Verh Dtsch Ges Inn Med** 1990;96:431–8 (12 ref.) **(Ger)**
[Drugs produced by genetic techniques] Bicker U. **Verh Dtsch Ges Inn Med** 1990;96:451–65 (0 ref.) **(Ger)**
[Methodologic principles of genetic techniques] Gassen HG. **Verh Dtsch Ges Inn Med** 1990;96:425–30 (3 ref.) **(Ger)**
[Genetic defects in pneumology] Poller W. **Verh Dtsch Ges Inn Med** 1990;96:441–50 (46 ref.) **(Ger)**
[Molecular biology in gastroenterology. 1. Genes and DNA recombinant techniques] González L, et al. **Rev Gastroenterol Mex** 1990 Apr–Jun;55(2):91–100 (9 ref.) **(Spa)**
[Molecular biology in gastroenterology. 1. Genes and DNA recombinant techniques] González L, et al. **Rev Gastroenterol Mex** 1990 Apr–Jun;55(2):91–100 (9 ref.) **(Spa)**
[Molecular genetics—valuable diagnostic complement in cases of lymphomas/leukemias] Lindh J, et al. **Lakartidningen** 1991 Feb 20;88(8):641–4 (14 ref.) (Eng. Abstr.) **(Swe)**

TRENDS

Heart–to–heart. New approaches for gene transfer in the myocardium [editorial; comment] O'Brien TX, et al. **Circulation** 1991 Jun;83(6):2133–6 (40 ref.) Comment on: Circulation 1991 Jun;83(6):2007–11.
The future anatomic pathology laboratory for molecular diagnosis and prognosis: circa 1990–95. Robb JA. **Clin Biochem** 1990 Aug;23(4):295–9 (52 ref.)
[DNA diagnostics on the way to general clinical care] Landegren U. **Lakartidningen** 1991 Jun 19;88(25):2300–3 (8 ref.) (Eng. Abstr.) **(Swe)**

GENETIC TOXICITY TESTS see **MUTAGENICITY TESTS**

GENETIC TRANSLATION see **TRANSLATION, GENETIC**

GENETIC VECTORS

see related
DNA, RECOMBINANT

Baculovirus expression vector system for production of viral vaccines. Vlak JM, et al. **Adv Biotechnol Processes** 1990; 14:91–128 (151 ref.)
Retroviral vectors. Lever AM. **Biochem Soc Trans** 1991 Apr; 19(2):379–83 (27 ref.)
Retroviruses as genetic tools to isolate transcriptionally active chromosomal regions. von Melchner H, et al. **Environ Health Perspect** 1990 Aug;88:141–8 (80 ref.)
Safety issues related to retroviral–mediated gene transfer in humans. Cornetta K, et al. **Hum Gene Ther** 1991 Spring; 2(1):5–14 (76 ref.)
Retrovirus packaging cells. Miller AD. **Hum Gene Ther** 1990 Spring;1(1):5–14 (30 ref.)
Safety considerations in somatic gene therapy of human disease with retrovirus vectors. Temin HM. **Hum Gene Ther** 1990 Summer;1(2):111–23 (73 ref.)
Vectors and genes for improvement of animal strains. Hughes SH, et al. **J Reprod Fertil Suppl** 1990;41:39–49 (45 ref.)
Virus vector–mediated gene transfer. Levine AJ. **Microbiol Sci** 1987 Aug;4(8):245–50 (38 ref.)
Herpes simplex virus for gene delivery to neurons. Breakefield XO, et al. **New Biol** 1991 Mar;3(3):203–18 (130 ref.)
Vaccinia virus: a tool for research and vaccine development. Moss B. **Science** 1991 Jun 21;252(5013):1662–7 (102 ref.)
Yeast artificial chromosomes: tools for mapping and analysis of complex genomes. Schlessinger D. **Trends Genet** 1990 Aug;6(8):248, 255–8 (43 ref.)

PHYSIOLOGY

Integration, amplification and stability of plasmid sequences in CHO cell cultures [see comments] Wurm FM. **Biologicals** 1990 Jul;18(3):159–64 (39 ref.) Comment in: Biologicals 1990 Oct;18(4):355.

GENETICS

see related
HISTOCOMPATIBILITY TESTING

Fisher's contributions to genetics and heredity, with special emphasis on the Gregor Mendel controversy. Piegorsch WW. **Biometrics** 1990 Dec;46(4):915–24 (59 ref.)
Genes and development: molecular and logical themes. Brenner S, et al. **Genetics** 1990 Nov;126(3):479–86 (41 ref.)
[Molecular drive] Vol'kenshtein MV. **Mol Biol (Mosk)** 1990 Sep–Oct;24(5):1181–99 (62 ref.) (Eng. Abstr.) **(Rus)**

HISTORY

R.A. Fisher's contributions to genetical statistics. Thompson EA. **Biometrics** 1990 Dec;46(4):905–14 (65 ref.)

GENETICS, BEHAVIORAL

Population–based twin registries: illustrative applications in genetic epidemiology and behavioral genetics from the Finnish Twin Cohort Study. Kaprio J, et al. **Acta Genet Med Gemellol (Roma)** 1990;39(4):427–39 (33 ref.)
Classify and control: genetic information in the schools. Nelkin D, et al. **Am J Law Med** 1991;17(1–2):51–73 (146 ref.)
Behavioral genetics. Plomin R. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:165–80 (63 ref.)
Physiology of mutations affecting learning and memory in Drosophila—the missing link between gene product and behavior [news] Tully T. **Trends Neurosci** 1991 May; 14(5):163–4 (19 ref.)

GENETICS, BIOCHEMICAL

see related
NUCLEIC ACIDS

Molecular genetic approaches to mechanisms of senescence. Goldstein S. **Annu Rev Gerontol Geriatr** 1990;10:97–116 (79 ref.)
Population and molecular genetics of susceptibility to tuberculosis. Skamene E. **Clin Invest Med** 1991 Apr; 14(2):160–6 (31 ref.)
The new metabolism: molecular genetics in the analysis of metabolic regulation. Goodridge AG. **FASEB J** 1990 Oct; 4(13):3099–110 (47 ref.)
Paradoxes between genetics and development. Holliday R. **J Cell Sci** 1990 Nov;97 (Pt 3):395–8 (23 ref.)
Application of molecular genetics to transplantation immunology. Miller JF. **Transplant Proc** 1991 Feb;23(1 Pt 2):1717–8 (7 ref.)
[Molecular genetics of heart diseases. A familial approach] Junien C. **Arch Mal Coeur Vaiss** 1991 Feb;84(2):201–11 (15 ref.) (Eng. Abstr.) **(Fre)**
[Molecular genetics: a new approach of clinical neurosciences] Brice A, et al. **Rev Neurol (Paris)** 1991; 147(1):1–16 (90 ref.) (Eng. Abstr.) **(Fre)**
[Molecular genetics—valuable diagnostic complement in cases of lymphomas/leukemias] Lindh J, et al. **Lakartidningen** 1991 Feb 20;88(8):641–4 (14 ref.) (Eng. Abstr.) **(Swe)**

METHODS

Applications of molecular genetics to gastrointestinal and liver diseases. I. Technical approaches. Summers KM. **J Gastroenterol Hepatol** 1989 Mar–Apr;4(2):183–93 (65 ref.)
[Molecular genetics methods discovering the mechanisms of neoplasm etiology] Fioretos T, et al. **Lakartidningen** 1991 Aug 7;88(32–33):2597–602 (11 ref.) (Eng. Abstr.) **(Swe)**

GENETICS, HUMAN see **GENETICS, MEDICAL**

GENETICS, MEDICAL

see related
CHROMOSOME ABNORMALITIES
DISEASES IN TWINS
HEREDITARY DISEASES

Defining the gene: an evolving concept. Carlson EA. **Am J Hum Genet** 1991 Aug;49(2):475–87 (107 ref.)
Prenatal diagnosis: the medical genetics perspective. Ethics and Public Policy Committee, Canadian College of Medical Geneticists. **Can Med Assoc J** 1991 May 1;144(9):1129–32 (30 ref.)
Gene mapping and other tools for discovery. Leppert MF. **Epilepsia** 1990;31 Suppl 3:S11–8 (28 ref.)
Ethical issues in human genome research. Murray TH. **FASEB J** 1991 Jan;5(1):55–60 (32 ref.)
Medical genetics in South Africa. Jenkins T. **J Med Genet** 1990 Dec;27(12):760–79 (212 ref.)
[Ethical aspects of modern genetics] Lisker R. **Rev Invest Clin** 1990 Jan–Mar;42(1):63–7 (1 ref.) **(Spa)**

STATISTICS & NUMERICAL DATA

Applications of the concept of attributable fraction in medical genetics. Khoury MJ, et al. **Am J Med Genet** 1991 Aug 1;40(2):177–82 (34 ref.)

TRENDS

Advances in medical genetics in the past 30 years. McKusick VA. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:1–18 (12 ref.)

GENETICS, MICROBIAL

see related
CHROMOSOMES, BACTERIAL
CHROMOSOMES, FUNGAL

Quantifying the risks of invasion by genetically engineered organisms. Kim J, et al. **Biotechnology** 1991;15:193–214 (18 ref.)

GENETICS, MOLECULAR see **GENETICS, BIOCHEMICAL**

GENETICS, POPULATION

HLA population genetics. Thomson G. **Baillieres Clin Endocrinol Metab** 1991 Jun;5(2):247–60 (60 ref.)
Models for the population dynamics of transposable elements in bacteria. Condit R. **Biotechnology** 1991;15:151–71 (42 ref.)
Population and molecular genetics of susceptibility to tuberculosis. Skamene E. **Clin Invest Med** 1991 Apr; 14(2):160–6 (31 ref.)
Multilocus and single locus minisatellite analysis in population biological studies. Burke T, et al. **Experientia Suppl** 1991;58:154–68 (51 ref.)
Analysis of population genetic structure by DNA fingerprinting. Lynch M. **Experientia Suppl** 1991;58:113–26 (26 ref.)
The phenylketonuria locus: current knowledge about alleles and mutations of the phenylalanine hydroxylase gene in various populations. Konecki DS, et al. **Hum Genet** 1991 Aug;87(4):377–88 (94 ref.)
Acid phosphatase, adenosine deaminase and esterase D polymorphisms in the Spanish Basque population. Aguirre AI, et al. **Hum Hered** 1991;41(2):93–102 (50 ref.)
Disease, race, geography and genes. Waldenström J. **J Intern Med** 1990 Nov;228(5):419–24 (26 ref.)

GENETICS, RADIATION see **RADIATION GENETICS**

GENICULATE BODIES

ANATOMY & HISTOLOGY

Morphological changes in the geniculocortical pathway associated with monocular deprivation. Tieman SB. **Ann N Y Acad Sci** 1991;627:212–30 (106 ref.)
Projection of the mammalian superior colliculus upon the dorsal lateral geniculate nucleus: organization of tectogeniculate pathways in nineteen species. Harting JK, et al. **J Comp Neurol** 1991 Feb 8;304(2):275–306 (137 ref.)

PHYSIOLOGY

Neuropeptide Y in the circadian timing system. Moore RY, et al. **Ann N Y Acad Sci** 1990;611:247–57 (78 ref.)
Development of the mammalian retinogeniculate pathway: target finding, transient synapses and binocular segregation. So KF, et al. **J Exp Biol** 1990 Oct;153:85–104 (69 ref.)

GENITAL DISEASES, FEMALE

Genital human papillomavirus infection [see comments] Zazove P, et al. **Am Fam Physician** 1991 Apr;43(4):1279–90 (66 ref.) Comment in: Am Fam Physician 1991 Apr;43(4):1217–8.
Human papillomavirus infections of the genital tract. Brown DR, et al. **Med Clin North Am** 1990 Nov;74(6):1455–85 (162 ref.)
Common nonvenereal genital lesions. Mroczkowski TF. **Med Clin North Am** 1990 Nov;74(6):1507–28 (61 ref.)
Approach to the patient with genital ulcer disease. Schmid GP. **Med Clin North Am** 1990 Nov;74(6):1559–72 (45 ref.)
Schistosomiasis of the female genital tract [published erratum appears in S Afr Med J 1991 Aug 17;80(4):208] Friedberg D, et al. **S Afr Med J** 1991 Aug 3;80 Suppl:2–15 (53 ref.)

COMPLICATIONS

Gynecologic factors in sexual dysfunction of the older woman. Goldstein MK, et al. **Clin Geriatr Med** 1991 Feb; 7(1):41–61 (57 ref.)
Genital infections and reproductive health: infertility and morbidity of mother and child in developing countries. Bergström S. **Scand J Infect Dis Suppl** 1990;69:99–105 (48 ref.)
[Idiopathic preterm delivery and subclinical genital infection] Svare JA, et al. **Ugeskr Laeger** 1991 Apr 29;153(18):1260–2 (30 ref.) (Eng. Abstr.) **(Dan)**

DIAGNOSIS

Gynecologic applications of MRI. McCarthy S. **Crit Rev Diagn Imaging** 1990;31(2):263–81 (55 ref.)

Recent advances in molecular biology of childhood and adolescent gynecologic disorders. Plouffe L Jr. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):242–9 (35 ref.)

Magnetic resonance imaging in the evaluation of infertile women. McCarthy S. **Magn Reson Q** 1990 Oct;6(4):239–49 (53 ref.)

Diagnostic imaging of gynecological diseases: the clinician's view. Camilien LD, et al. **Urol Radiol** 1991;13(1):3–8 (54 ref.)

Gynecologic magnetic resonance imaging. Janus C. **Urol Radiol** 1991;13(1):29–40 (42 ref.)

[The diagnosis of genital papillomavirus infections using molecular hybridization] Drouet E, et al. **Rev Fr Gynecol Obstet** 1990 Oct;85(10):564–8 (10 ref.) (Eng. Abstr.) **(Fre)**

[Hysteroscopy—its current role and trends] Hepp H, et al. **Gynakologe** 1991 Feb;24(1):64–71 (96 ref.) **(Ger)**

[Methodological developments in gynecological–endocrinological diagnosis] Taubert HD, et al. **Gynakologe** 1991 Feb;24(1):28–35 (31 ref.) **(Ger)**

DRUG THERAPY

Clindamycin in the treatment of obstetric and gynecologic infections: a review. Zambrano D. **Clin Ther** 1991 Jan–Feb; 13(1):58–80 (138 ref.)

Role of new cephamycins in the management of obstetric and gynecologic infections. Jones RN. **J Reprod Med** 1990 Nov;35(11 Suppl):1070–7 (24 ref.)

Role of cephamycins in obstetrics and gynecology. Sweet RL. **J Reprod Med** 1990 Nov;35(11 Suppl):1064–9 (34 ref.)

Bromocriptine in obstetrics and gynaecology. Haider P. **JPMA** 1990 Sep;40(9):224–9 (71 ref.)

Gynaecological infections and strategies for treatment. Roex AJ. **Pharm Weekbl [Sci]** 1990 Dec 14;12(6A):268–74 (31 ref.)

[GnRH analogs in gynecology. Possibilities for therapeutic use] Niesert S. **Fortschr Med** 1990 Sep 10;108(26):498–500 (0 ref.) (Eng. Abstr.) **(Ger)**

[Effects and side effects of estrogens and gestagens in pediatric and adolescent gynecology] Lauritzen C. **Monatsschr Kinderheilkd** 1990 Oct;138(10):651–5 (0 ref.) (Eng. Abstr.) **(Ger)**

[New antibiotics for gynecologic infections] Schlaeffer F, et al. **Harefuah** 1990 Sep;119(5–6):148–50 (29 ref.) **(Heb)**

[Analogs of GHRH in the benign gynecologic pathology] Benagiano G, et al. **Drugs Exp Clin Res** 1990;16 Suppl:59–68 (56 ref.) **(Ita)**

[The use of a gonadotropin–releasing hormone agonist for treating gynecological diseases] Merser LJ, et al. **Akush Ginekol (Mosk)** 1991 Feb;(2):16–20 (0 ref.) **(Rus)**

EPIDEMIOLOGY

Genital human papillomavirus infection. A growing health risk. Tinkle MB. **J Obstet Gynecol Neonatal Nurs** 1990 Nov–Dec;19(6):501–7 (25 ref.)

MICROBIOLOGY

Genital chlamydial infections: epidemiology and reproductive sequelae. Cates W Jr, et al. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 2):1771–81 (124 ref.)

Chlamydia trachomatis: female pelvic infection. Faro S. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 2):1767–70 (38 ref.)

[Chlamydia infections in gynecology (editorial)] Suchet JH. **Presse Med** 1991 Jan 5–12;20(1):10–2 (12 ref.) **(Fre)**

PATHOLOGY

Arias–Stella reaction in fallopian tube epithelium. A light and electron microscopic study with a review of the literature. Milchgrub S, et al. **Am J Clin Pathol** 1991 Jun; 95(6):892–5 (15 ref.)

Malignant lymphoma, pseudolymphoma, and hematopoietic disorders of the female genital tract. Ferry JA, et al. **Pathol Annu** 1991;26 Pt 1:227–63 (124 ref.)

PHYSIOPATHOLOGY

[Characteristics of the hormonal–immunologic status in inflammatory disorders of the female reproductive system] Khmel'nitskiĭ OK, et al. **Arkh Patol** 1990;52(11):5–9 (51 ref.) (Eng. Abstr.) **(Rus)**

[Prostaglandins in gynecology and obstetrics] Cano López H. **Ginecol Obstet Mex** 1988 Jun;56:166–9 (24 ref.) (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

[What benefit and harm can be expected from screening and routine examinations and from their omission?] Kuss E, et al. **Geburtshilfe Frauenheilkd** 1991 Jun;51(6):415–30 (90 ref.) (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Applications of computed tomography in gynecologic diseases. Ascher SM, et al. **Urol Radiol** 1991;13(1):16–28 (46 ref.)

Hysterosalpingography. Karasick S. **Urol Radiol** 1991; 13(1):67–73 (23 ref.)

RADIOTHERAPY

[Use of UV–irradiated autologous blood in obstetrics and gynecology] Grishchenko VI, et al. **Akush Ginekol (Mosk)** 1990 Jul;(7):3–6 (49 ref.) **(Rus)**

[Use of ultraviolet irradiation of blood in obstetrical and gynecological practice] Matsuev AI, et al. **Akush Ginekol (Mosk)** 1990 Aug;(8):6–10 (89 ref.) **(Rus)**

SURGERY

Patient costs for prophylaxis and treatment of obstetric and gynecologic surgical infections. Stein GE. **Am J Obstet Gynecol** 1991 May;164(5 Pt 2):1377–80 (29 ref.)

Endoscopic application of laser in gynecology. Tadir Y, et al. **Ann Chir Gynaecol** 1990;79(4):231–9 (67 ref.)

Lasers and related new technologies for endoscopic use in gynaecology. A review of their place in Australian practice. Fraser IS. **Aust N Z J Obstet Gynaecol** 1990 Aug; 30(3):221–7 (31 ref.)

Adhesiolysis. Hershlag A, et al. **Clin Obstet Gynecol** 1991 Jun;34(2):395–402 (35 ref.)

Pelvic sidewall dissection. Reich H. **Clin Obstet Gynecol** 1991 Jun;34(2):412–22 (20 ref.)

Laparoscopic surgery. Gomel V, et al. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):303–11 (31 ref.)

General, regional, and local anesthesia. Pasternak LR. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):275–9 (13 ref.)

Abdominal, vaginal, and laser surgery. Spangler DB. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):280–6 (22 ref.)

[Dormicum, aneksat and their use in obstetrical and gynecological operations] Traĭkova V, et al. **Akush Ginekol (Sofiia)** 1990;29(5):61–4 (37 ref.) **(Bul)**

[Use of fibrin glue in gynecology–obstetrics] Rudigoz RC, et al. **Rev Fr Gynecol Obstet** 1990 Oct;85(10):535–8 (14 ref.) (Eng. Abstr.) **(Fre)**

[Prevention of HIV infections in surgical gynecology and obstetrics] Hirsch HA. **Geburtshilfe Frauenheilkd** 1990 Sep; 50(9):665–9 (30 ref.) (Eng. Abstr.) **(Ger)**

[Current aspects of perioperative heparin administration] Basic–Micic M, et al. **Gynakologe** 1991 Feb;24(1):59–63 (31 ref.) **(Ger)**

[Prevention and diagnosis of postoperative hemorrhage] Friedberg V. **Gynakologe** 1991 Jun;24(3):136–41 (18 ref.) **(Ger)**

[Anesthesiologic preparation of gynecologic patients] Leyser KH. **Klin Anasthesiol Intensivther** 1989;37:189–99 (8 ref.) **(Ger)**

[CO2 laser in gynecologic microsurgery] Forgács V, et al. **Orv Hetil** 1990 Dec 30;131(52):2867–70 (21 ref.) (Eng. Abstr.) **(Hun)**

[Infections in obstetric–gynecologic surgery: chemo–antibiotic prophylaxis and therapy. A bibliographic review] Franchi M, et al. **Ann Ostet Ginecol Med Perinat** 1990 Sep–Oct; 111(5):296–320 (185 ref.) (Eng. Abstr.) **(Ita)**

[Postoperative ventral hernia] Nartsissov TV, et al. **Sov Med** 1991;(1):35–7 (62 ref.) **(Rus)**

THERAPY

The future of lasers in gynaecology. Sutton C. **Arch Gynecol Obstet** 1990;247 Suppl:S72–80 (14 ref.)

[Treatment of genital Papillomavirus lesions] Barrasso R, et al. **Presse Med** 1991 Jun 29;20(25):1171–5 (41 ref.) (Eng. Abstr.) **(Fre)**

ULTRASONOGRAPHY

Pediatric gynecologic sonography. Siegel MJ. **Radiology** 1991 Jun;179(3):593–600 (46 ref.)

New applications of pelvic sonography. Fleischer AC. **Urol Radiol** 1991;13(1):9–15 (19 ref.)

Infertility diagnosis by ultrasound. Sanders RC. **Urol Radiol** 1991;13(1):41–7 (14 ref.)

[Current developments in gynecological sonography] Kozlowski P. **Gynakologe** 1991 Feb;24(1):36–40 (25 ref.) **(Ger)**

GENITAL DISEASES, MALE

Genital human papillomavirus infection [see comments] Zazove P, et al. **Am Fam Physician** 1991 Apr;43(4):1279–90 (66 ref.) Comment in: Am Fam Physician 1991 Apr;43(4):1217–8.

Human papillomavirus infections of the genital tract. Brown DR, et al. **Med Clin North Am** 1990 Nov;74(6):1455–85 (162 ref.)

Common nonvenereal genital lesions. Mroczkowski TF. **Med Clin North Am** 1990 Nov;74(6):1507–28 (61 ref.)

Approach to the patient with genital ulcer disease. Schmid GP. **Med Clin North Am** 1990 Nov;74(6):1559–72 (45 ref.)

COMPLICATIONS

[Ectopic ureter in seminal vesicle with cystic dysplasia. A clinical case and review of the literature] Soler Fernández JM, et al. **Actas Urol Esp** 1990 Nov–Dec;14(6):447–50 (40 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Clinical use of urinary tract magnetic resonance imaging. Newhouse JH. **Radiol Clin North Am** 1991 May; 29(3):455–74 (95 ref.)

[The diagnosis of genital papillomavirus infections using molecular hybridization] Drouet E, et al. **Rev Fr Gynecol Obstet** 1990 Oct;85(10):564–8 (10 ref.) (Eng. Abstr.) **(Fre)**

EPIDEMIOLOGY

Genital human papillomavirus infection. A growing health risk. Tinkle MB. **J Obstet Gynecol Neonatal Nurs** 1990 Nov–Dec;19(6):501–7 (25 ref.)

PATHOLOGY

[Fournier's gangrene] Turegano Fuentes F, et al. **Rev Quir Esp** 1988 Jul–Aug;15(4):185–8 (13 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Testicular hyperthermia: physiopathology, diagnostic and therapeutical concepts. Mirone V, et al. **Adv Exp Med Biol** 1991;286:217–20 (18 ref.)

Retrograde ejaculation. Hershlag A, et al. **Hum Reprod** 1991 Feb;6(2):255–8 (26 ref.)

THERAPY

[Treatment of genital Papillomavirus lesions] Barrasso R, et al. **Presse Med** 1991 Jun 29;20(25):1171–5 (41 ref.) (Eng. Abstr.) **(Fre)**

ULTRASONOGRAPHY

Infertility diagnosis by ultrasound. Sanders RC. **Urol Radiol** 1991;13(1):41–7 (14 ref.)

GENITAL NEOPLASMS, FEMALE

Neoplasms. Piver MS, et al. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):233–7 (11 ref.)

Clinical manifestations and natural history of genital human papillomavirus infection. Campion MJ. **Dermatol Clin** 1991 Apr;9(2):235–49 (108 ref.)

BLOOD

[Hormone–dependent genital carcinomas] Schindler AE. **Zentralbl Gynakol** 1991;113(8):419–22 (31 ref.) (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Fertility control and the risk of gynecological malignancies. Sivanesaratnam V. **Obstet Gynecol Surv** 1991 Mar; 46(3):131–7 (96 ref.)

[Hormonal contraception and postmenopausal estrogen substitution in relation to malignant tumors] Lauritzen C. **Zentralbl Gynakol** 1990;112(17):1071–90 (104 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Pseudo–Meigs' syndrome secondary to broad ligament leiomyoma: a case report. Buckshee K, et al. **Asia Oceania J Obstet Gynaecol** 1990 Sep;16(3):201–5 (15 ref.)

Langerhans cell histiocytosis of the female genital tract. Axiotis CA, et al. **Cancer** 1991 Mar 15;67(6):1650–60 (78 ref.)

Carcinoma of the female reproductive organs. Value of cross–sectional imaging. Hricak H. **Cancer** 1991 Feb 15;67(4 Suppl):1209–18 (38 ref.)

Screening, diagnosis, and monitoring of gynecologic malignancies. Montz FJ, et al. **Curr Opin Oncol** 1989 Oct; 1(1):75–81 (11 ref.)

Tumor markers in gynecologic oncology. Daunter B. **Gynecol Oncol** 1990 Oct;39(1):1–15 (212 ref.)

Magnetic resonance imaging in the evaluation of gynecologic malignancy. Togashi K, et al. **Magn Reson Q** 1990 Oct; 6(4):250–75 (65 ref.)

Gynecologic tumor markers. Olt GJ, et al. **Semin Surg Oncol** 1990;6(6):305–13 (74 ref.)

[Clinical aspects and requirements of radiology from the point of view of gynecology] Maass H. **Rontgenblatter** 1990 Oct; 43(10):409–12 (4 ref.) (Eng. Abstr.) **(Ger)**

[What did tumor markers bring us?] Seitzer D. **Zentralbl Gynakol** 1991;113(7):389–96 (22 ref.) **(Ger)**

[Diagnosis: tumor marker] Inaba N, et al. **Gan No Rinsho** 1990 Aug;36(10):1123–7 (10 ref.) (Eng. Abstr.) **(Jpn)**

[Diagnostic cytology and histology in the gynecologic malignant tumors] Sugishita T. **Gan No Rinsho** 1990 Aug; 36(10):1117–22 (3 ref.) (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Chemotherapy, hormonal therapy, and steroid receptors in gynecologic cancer. Blackledge G, et al. **Curr Opin Oncol** 1990 Oct;2(5):881–4 (10 ref.)

Chemotherapy for gynecologic tumors. Thigpen JT. **Curr Opin Oncol** 1989 Oct;1(1):105–11 (22 ref.)

[DNA topoisomerase inhibitor as chemotherapeutic drug—clinical point of view] Taguchi T. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1574–8 (17 ref.) (Eng. Abstr.) **(Jpn)**

EPIDEMIOLOGY

[Anogenital warts in children] Herrera Saval A, et al. **Ann Dermatol Venereol** 1990;117(8):523–6 (24 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Risk factors and etiology in gynecologic cancer. Einhorn N. **Curr Opin Oncol** 1990 Oct;2(5):857–63 (17 ref.)

Induced abortion as cancer risk factor: a review of epidemiological evidence. Remennick LI. **J Epidemiol Community Health** 1990 Dec;44(4):259–64 (53 ref.)

The role of papillomaviruses in anogenital cancer. zur Hausen H. **Scand J Infect Dis Suppl** 1990;69:107–11 (38 ref.)

GENETICS

[Tumor markers, oncogenes in gynecological and breast oncology] Uyttenbroeck F, et al. **Verh K Acad Geneeskd Belg** 1990;52(4):313–51 (202 ref.) **(Dut)**

IMMUNOLOGY

[Immunological aspects of endometriosis] Ishchenko IG. **Akush Ginekol (Mosk)** 1991 Mar;(3):8–12 (68 ref.) **(Rus)**

MICROBIOLOGY

Immunology of anogenital human papillomavirus (HPV) infection. Tindle RW, et al. **Aust N Z J Obstet Gynaecol** 1990 Nov;30(4):370–5 (45 ref.)

Papillomavirus-related genital neoplasia: present and future prevention. Crum CP, et al. **Cancer Detect Prev** 1990; 14(4):465–9 (46 ref.)

Association of human papillomavirus with gynecologic cancer. Lorincz AT, et al. **Curr Opin Oncol** 1989 Oct; 1(1):123–32 (44 ref.)

Relation of papillomaviruses to anogenital cancer. Pfister H, et al. **Dermatol Clin** 1991 Apr;9(2):267–76 (126 ref.)

PATHOLOGY

Prognostic factors in gynecologic cancers. Ackerman I, et al. **Curr Opin Oncol** 1989 Oct;1(1):82–8 (27 ref.)

Retroperitoneal soft tissue sarcomas: a review of the literature. Van Dam PA, et al. **Obstet Gynecol Surv** 1990 Oct;45(10):670–82 (160 ref.)

Malignant lymphoma, pseudolymphoma, and hematopoietic disorders of the female genital tract. Ferry JA, et al. **Pathol Annu** 1991;26 Pt 1:227–63 (124 ref.)

Pathology of gynecologic malignancies. Young RH, et al. **Semin Surg Oncol** 1990;6(6):314–22 (62 ref.)

[Clinical and prognostic significance of tumor-associated proteases in gynecologic oncology] Graeff H, et al. **Geburtshilfe Frauenheilkd** 1991 Feb;51(2):90–9 (56 ref.) (Eng. Abstr.) **(Ger)**

[Immunohistochemistry in the diagnosis of gynecologic neoplasms] Lampe B, et al. **Geburtshilfe Frauenheilkd** 1990 Aug;50(8):585–92 (80 ref.) (Eng. Abstr.) **(Ger)**

[Use of molecular biology methods in gynecologic pathology] Czerwenka KF, et al. **Gynakol Rundsch** 1990; 30 Suppl 1:135–41 (9 ref.) **(Ger)**

[New developments from the laboratory: progress in histologic and histochemical diagnosis in the gynecologic laboratory] Müller-Holzner E, et al. **Gynakol Rundsch** 1990;30 Suppl 1:124–30 (3 ref.) **(Ger)**

[From biopsy diagnosis to pretherapeutic staging] Pickel H, et al. **Gynakol Rundsch** 1990;30 Suppl 1:131–4 (0 ref.) **(Ger)**

[Pathological aspects of gynecological malignancies—early stage cancers and borderline lesions] Sakamoto A, et al. **Gan No Rinsho** 1990 Aug;36(10):1083–8 (36 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

[Role of the pineal body in reproduction and in gynecologic tumors] Bartsch C, et al. **Geburtshilfe Frauenheilkd** 1991 Jan;51(1):1–8 (97 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Screening for gynecologic cancer. Campion MJ, et al. **Obstet Gynecol Clin North Am** 1990 Dec;17(4):695–727 (68 ref.)

RADIOTHERAPY

Radiation therapy for gynecologic cancer. Lanciano RM, et al. **Curr Opin Oncol** 1990 Oct;2(5):885–92 (21 ref.)

Radiation therapy in gynecologic cancer. Nori D, et al. **Curr Opin Oncol** 1989 Oct;1(1):97–104 (26 ref.)

Advances in radiotherapy in the gynecologic malignancies. Dembo AJ, et al. **Semin Surg Oncol** 1990;6(6):323–7 (34 ref.)

[Gynecologic brachytherapy with high dose intensity] Grillo Ruggieri F. **Radiol Med (Torino)** 1990 Oct;80(4):538–43 (51 ref.) **(Ita)**

SURGERY

Surgical treatment of extramammary Paget's disease. A report of six cases and a reexamination of Mohs micrographic surgery compared with conventional surgical excision. Coldiron BM, et al. **Cancer** 1991 Feb 15; 67(4):933–8 (63 ref.)

Surgical procedures in gynecologic oncology. Hoskins WJ. **Curr Opin Oncol** 1989 Oct;1(1):89–96 (19 ref.)

Laser and surgical therapy in gynecologic oncology. Soper JT. **Curr Opin Oncol** 1990 Oct;2(5):870–80 (36 ref.)

[Physics of the laser in the gynecologic field] Heinzl S. **Arch Gynecol Obstet** 1990;247 Suppl:S36–43 (8 ref.) **(Ger)**

[Radical surgery in gynecologic cancers] Burghardt E. **Gynakol Rundsch** 1990;30(4):206–13 (15 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

The future of lasers in gynaecology. Sutton C. **Arch Gynecol Obstet** 1990;247 Suppl:S72–80 (14 ref.)

Gynecological malignancies. Nash JD, et al. **Cancer Chemother Biol Response Modif** 1990;11:484–509 (92 ref.)

Leiomyosarcoma of the broad ligament—report of two cases. Lee JF, et al. **Chung Hua I Hsueh Tsa Chih** 1991 Jul; 48(1):59–65 (20 ref.)

Malignant disease. Horowitz IR. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):296–302 (17 ref.)

Interferon treatment of anogenital human papillomavirus-related diseases. Trofatter KF Jr. **Dermatol Clin** 1991 Apr;9(2):343–52 (58 ref.)

Immunotherapy of gynecologic malignancies. Foon KA, et al. **Semin Surg Oncol** 1990;6(6):364–8 (51 ref.)

ULTRASONOGRAPHY

Pediatric gynecologic sonography. Siegel MJ. **Radiology** 1991 Jun;179(3):593–600 (46 ref.)

GENITAL NEOPLASMS, MALE

Malignant fibrous histiocytoma: review and case report. Maguire BM, et al. **Aust N Z J Surg** 1991 Aug;61(8):636–9 (22 ref.)

Clinical manifestations and natural history of genital human papillomavirus infection. Campion MJ. **Dermatol Clin** 1991 Apr;9(2):235–49 (108 ref.)

Malignant mesothelioma of the tunica vaginalis testis. Carp NZ, et al. **J Urol** 1990 Dec;144(6):1475–8 (29 ref.)

CONGENITAL

[Congenital perineal lipoma with accessory scrotum: a case report] Morita T, et al. **Hinyokika Kiyo** 1991 Jun; 37(6):647–9 (8 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

[Leiomyosarcoma of the scrotum] Chevalier C, et al. **Acta Urol Belg** 1990;58(2):149–52 (10 ref.) (Eng. Abstr.) **(Fre)**

[Intrascrotal nongerminal space-occupying lesions] Vahlensieck W Jr. **Fortschr Med** 1990 Oct 20;108(30):572–6 (20 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

A case of funicular schwannoma. Romics I, et al. **Acta Chir Hung** 1990;31(2):187–9 (16 ref.)

Primary malignant melanoma of the scrotum: case report and literature review. Davis NS, et al. **J Urol** 1991 May; 145(5):1056–7 (15 ref.)

[Anogenital warts in children] Herrera Saval A, et al. **Ann Dermatol Venereol** 1990;117(8):523–6 (24 ref.) (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Immunology of anogenital human papillomavirus (HPV) infection. Tindle RW, et al. **Aust N Z J Obstet Gynaecol** 1990 Nov;30(4):370–5 (45 ref.)

Relation of papillomaviruses to anogenital cancer. Pfister H, et al. **Dermatol Clin** 1991 Apr;9(2):267–76 (126 ref.)

PATHOLOGY

Well-differentiated liposarcoma of the paratesticular area: report of a case with fine-needle aspiration preoperative diagnosis and review of the literature. Dalla Palma P, et al. **Diagn Cytopathol** 1990;6(6):421–6 (49 ref.)

[Intrascrotal leiomyoma: report of a case] Naka Y, et al. **Hinyokika Kiyo** 1991 May;37(5):553–5 (15 ref.) (Eng. Abstr.) **(Jpn)**

[A case of paratesticular rhabdomyosarcoma] Nishida A, et al. **Hinyokika Kiyo** 1990 Sep;36(9):1089–92 (9 ref.) (Eng. Abstr.) **(Jpn)**

[Malignant fibrous histiocytoma of the scrotal wall. Presentation of a case and review of the literature] Urruchi Fernández P, et al. **Actas Urol Esp** 1990 Sep–Oct; 14(5):358–61 (20 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Surgical treatment of extramammary Paget's disease. A report of six cases and a reexamination of Mohs micrographic surgery compared with conventional surgical excision. Coldiron BM, et al. **Cancer** 1991 Feb 15; 67(4):933–8 (63 ref.)

THERAPY

Interferon treatment of anogenital human papillomavirus-related diseases. Trofatter KF Jr. **Dermatol Clin** 1991 Apr;9(2):343–52 (58 ref.)

[Leiomyosarcoma of the spermatic cord: a case report] Takaha N, et al. **Hinyokika Kiyo** 1991 Feb;37(2):191–3 (10 ref.) (Eng. Abstr.) **(Jpn)**

[A new cancer treatment: better for maintaining sexual function and fertility] Von Euler M. **Lakartidningen** 1990 Dec 12;87(50):4337–9 (13 ref.) **(Swe)**

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the accessory male sex organs. Ito N, et al. **IARC Sci Publ** 1990;(99):421–43 (75 ref.)

GENITAL WARTS see CONDYLOMATA ACUMINATA

GENITALIA

ANATOMY & HISTOLOGY

Reproductive laparoscopy. Seager SW. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1369–75 (9 ref.)

GENITALIA, FEMALE

see related
HYSTEROSALPINGOGRAPHY

ABNORMALITIES

Congenital abnormalities of the genital tract. Edmunds DK. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):238–41 (10 ref.)

Magnetic resonance imaging in the evaluation of infertile women. McCarthy S. **Magn Reson Q** 1990 Oct;6(4):239–49 (53 ref.)

BLOOD SUPPLY

[Genital sites of giant-cell arteritis] Ducroix JP, et al. **Rev Med Interne** 1990 Jul–Aug;11(4):285–8 (33 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Functional significance of white blood cells in the male and female reproductive tract. Barratt CL, et al. **Hum Reprod** 1990 Aug;5(6):639–48 (88 ref.)

MICROBIOLOGY

Pneumococcal endometritis and neonatal sepsis. Robinson EN Jr. **Rev Infect Dis** 1990 Sep–Oct;12(5):799–801 (11 ref.)

PATHOLOGY

Magnetic resonance imaging in the evaluation of gynecologic malignancy. Togashi K, et al. **Magn Reson Q** 1990 Oct; 6(4):250–75 (65 ref.)

Pathology of gamete and zygote transport: cervical, endometrial, myometrial, and tubal factors in infertility. Clement PB. **Monogr Pathol** 1991;(33):140–94 (319 ref.)

[New developments from the laboratory: progress in histologic and histochemical diagnosis in the gynecologic laboratory] Müller-Holzner E, et al. **Gynakol Rundsch** 1990;30 Suppl 1:124–30 (3 ref.) **(Ger)**

[From biopsy diagnosis to pretherapeutic staging] Pickel H, et al. **Gynakol Rundsch** 1990;30 Suppl 1:131–4 (0 ref.) **(Ger)**

PHYSIOLOGY

[The long-term storage of spermatozoa and its role in vertebrate fertilization] Maksudov GIu. **Biol Nauki** 1991; (2):57–64 (22 ref.) (Eng. Abstr.) **(Rus)**

SURGERY

Surgical and postoperative infections. Faro S. **Curr Opin Obstet Gynecol** 1989 Oct;1(1):18–22 (32 ref.)

Antimicrobial prophylaxis in gynaecological and obstetric surgery. Gjønnaess H. **Scand J Infect Dis Suppl** 1990; 70:52–67 (123 ref.)

[Indications for intensive therapy following gynecologic operations] Brost F. **Klin Anasthesiol Intensivther** 1989; 37:214–22 (6 ref.) **(Ger)**

[Anesthesiologic preparation of gynecologic patients] Leyser KH. **Klin Anasthesiol Intensivther** 1989;37:189–99 (8 ref.) **(Ger)**

[Anesthetic methods for patients at risk in major surgery] Schaer HM. **Klin Anasthesiol Intensivther** 1989;37:204–13 (20 ref.) **(Ger)**

ULTRASONOGRAPHY

Pediatric gynecologic sonography. Siegel MJ. **Radiology** 1991 Jun;179(3):593–600 (46 ref.)

GENITALIA, MALE

IMMUNOLOGY

Functional significance of white blood cells in the male and female reproductive tract. Barratt CL, et al.

Hum Reprod 1990 Aug;5(6):639–48 (88 ref.)

METABOLISM

FSH, inhibin and other bioactive peptides of male genital tract: localization, synthesis and their role in cellular pathophysiology. Garde SV, et al. **Indian J Exp Biol** 1991 Jun;29(6):501–15 (136 ref.)

PHYSIOLOGY

[The presence and function of polyamines in the male reproductive system] Méndez JD, et al. **Ginecol Obstet Mex** 1987 May;55:128–32 (40 ref.) (Eng. Abstr.) **(Spa)**

GENITOURINARY DISEASES see **UROGENITAL DISEASES**

GENITOURINARY NEOPLASMS see **UROGENITAL NEOPLASMS**

GENITOURINARY SYSTEM see **UROGENITAL SYSTEM**

GENOME see **GENOMIC LIBRARY**

GENOME, HUMAN

Identifying genes within the genome: new ways for finding the needle in a haystack. Hochgeschwender U, et al. **Bioessays** 1991 Mar;13(3):139–44 (19 ref.)

A survey of the genomic distribution of alpha satellite DNA on all the human chromosomes, and derivation of a new consensus sequence. Choo KH, et al. **Nucleic Acids Res** 1991 Mar 25;19(6):1179–82 (44 ref.)

[Cytogenetics: from microscope to human genome mapping] Bernheim A. **Bull Cancer (Paris)** 1991 Jan;78(1):41–7 (28 ref.) **(Fre)**

[In situ hybridization in human genome mapping] Gindilis VM, et al. **Tsitol Genet** 1991 Mar–Apr;25(2):58–65 (61 ref.) (Eng. Abstr.) **(Rus)**

[Analysis of the human genome in pediatric hemato-oncology] Ballesta Martínez F. **An Esp Pediatr** 1990 Nov;33 Suppl 42:106–22 (60 ref.) **(Spa)**

[The study of the human genome in pediatrics today] Cruz M. **An Esp Pediatr** 1990 Nov;33 Suppl 42:77–91 (25 ref.) (Eng. Abstr.) **(Spa)**

[Hereditary memory: genomic imprinting and its importance for embryonal development and carcinogenesis] Ohlsson R, et al. **Lakartidningen** 1991 Mar 20;88(12):1087–90 (14 ref.) (Eng. Abstr.) **(Swe)**

GENOME PROJECT, HUMAN see **HUMAN GENOME PROJECT**

GENOMES, VIRAL see **GENES, VIRAL**

GENOMIC LIBRARY

see related
DNA, RECOMBINANT
HUMAN GENOME PROJECT

Genomic imprinting. Hall JG. **Arch Dis Child** 1990 Oct;65(10 Spec No):1013–5 (16 ref.)

Steroid effects on neuronal activity: when is the genome involved? McEwen BS, et al. **Ciba Found Symp** 1990; 153:3–12; discussion 12–21 (29 ref.)

Mammalian genome evolution: new clues from comparisons of eutherians, marsupials and monotremes. Graves JA. **Comp Biochem Physiol A** 1991;99(1–2):5–11 (18 ref.)

Genomic imprinting. Hodgson S. **Dev Med Child Neurol** 1991 Jun;33(6):552–6 (31 ref.)

Retroposons—seeds of evolution. Brosius J. **Science** 1991 Feb 15;251(4995):753 (17 ref.)

Development and applications of a molecular genetic linkage map of the mouse genome. Copeland NG, et al. **Trends Genet** 1991 Apr;7(4):113–8 (54 ref.)

[Genome structure, molecular genetics and genetic engineering of cyanobacteria] Yanagisawa S, et al. **Tanpakushitsu Kakusan Koso** 1991 Jul;36(9):1621–7 (24 ref.) **(Jpn)**

[Hereditary memory: genomic imprinting and its importance for embryonal development and carcinogenesis] Ohlsson R, et al. **Lakartidningen** 1991 Mar 20;88(12):1087–90 (14 ref.) (Eng. Abstr.) **(Swe)**

GENOTYPE

Thalassemia: genotypes and phenotypes. Loukopoulos D. **Ann Hematol** 1991 Apr;62(4):85–94 (55 ref.)

Thalassemia: genotypes and phenotypes. Loukopoulos D. **Ann Hematol** 1991 May;62(5):145–50 (55 ref.)

From genes to phenotype: dynamical systems and evolvability. Alberch P. **Genetica** 1991;84(1):5–11 (26 ref.)

Issues surrounding the assessment of the genetic determinants of drugs as reinforcing stimuli. Carney JM, et al. **J Addict Dis** 1991;10(1–2):163–77 (40 ref.)

Molecular genetics of human cancer predisposition and progression. Cavenee WK, et al. **Mutat Res** 1991 Apr; 247(2):199–202 (9 ref.)

The segregation of cancer-causing genes in human populations. Schull WJ. **Mutat Res** 1991 Apr;247(2):191–8 (42 ref.)

Role of genotype in the adaptation of the brain dopamine system to stress. Puglisi-Allegra S, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):523–8 (42 ref.)

[Principles of DNA diagnosis exemplified by cystic fibrosis] Peinemann F, et al. **Monatsschr Kinderheilkd** 1991 Feb; 139(2):83–8 (20 ref.) (Eng. Abstr.) **(Ger)**

GENTAMICINS

ADMINISTRATION & DOSAGE

[First experience in Hungary with the use of a garamycin sponge in the treatment of suppurative bone and joint wounds] Boda A, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1991; 34(2):133–40 (20 ref.) (Eng. Abstr.) **(Hun)**

ADVERSE EFFECTS

Immediate and long-term renal effects of fetal exposure to gentamicin. Gilbert T, et al. **Pediatr Nephrol** 1990 Jul; 4(4):445–50 (46 ref.)

GENTAMYCIN see **GENTAMICINS**

GENTIAN see **PLANTS, MEDICINAL**

GENTIAN VIOLET

METABOLISM

The metabolism and mode of action of gentian violet. Docampo R, et al. **Drug Metab Rev** 1990;22(2–3):161–78 (81 ref.)

PHARMACOLOGY

[Biochemical bases of the action of anti-chagasic drugs] Morello A, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun; 21(1):93–9 (40 ref.) **(Spa)**

GEOLOGY

Origin of life—facing up to the physical setting. Pace NR. **Cell** 1991 May 17;65(4):531–3 (20 ref.)

GERBILLINAE

METABOLISM

[Adenyl cyclase activity in synapses of the CA1 segment of the horn of Ammon in Mongolian gerbils] Szumańska G, et al. **Neuropatol Pol** 1989;27(4):505–18 (36 ref.) (Eng. Abstr.) **(Pol)**

GERBILS see **GERBILLINAE**

GERIATRIC ASSESSMENT

Multidimensional assessment of elderly patients. Rubenstein LZ, et al. **Adv Intern Med** 1991;36:81–108 (83 ref.)

Comprehensive geriatric assessment: toward understanding its efficacy. Rubenstein LZ, et al. **Aging (Milano)** 1989; 1(2):87–98 (61 ref.)

American Medical Association white paper on elderly health. Report of the Council on Scientific Affairs [published erratum appears in Arch Intern Med 1991;151(2):265] **Arch Intern Med** 1990 Dec;150(12):2459–72 (112 ref.)

Periodic health examination, 1991 update: 1. Screening for cognitive impairment in the elderly. Canadian Task Force on the Periodic Health Examination [see comments] **Can Med Assoc J** 1991 Feb 15;144(4):425–31 (103 ref.) Comment in: Can Med Assoc J 1991 Jun 15;144(12):1605–6.

History-taking in the elderly: obtaining useful information. Fields SD. **Geriatrics** 1991 Aug;46(8):26–8,34–5 (10 ref.)

Special considerations in the physical exam of older patients. Fields SD. **Geriatrics** 1991 Aug;46(8):39–44 (20 ref.)

Human factors and aging: an overview of research needs and application opportunities. Smith DB. **Hum Factors** 1990 Oct;32(5):509–26 (140 ref.)

Lithium treatment and the geriatric population. de Angelis L. **Int J Clin Pharmacol Ther Toxicol** 1990 Sep;28(9):394–8 (65 ref.)

Geriatric evaluation and management: current status and future research directions. Applegate W, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):2S–7S (21 ref.)

Geriatric evaluation and management units: experimental methods for evaluating efficacy. Feussner JR. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):19S–24S (17 ref.)

Working group recommendations: methods for geriatric evaluation and management research. Feussner JR, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):45S–47S (0 ref.)

Working group recommendations: measuring outcomes of care in geriatric evaluation and management units. Hedrick SC, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):48S–52S (30 ref.)

Working group recommendations: research on content and efficacy of geriatric evaluation and management interventions. Jahnigen DW, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):42S–44S (2 ref.)

Research strategies for geriatric evaluation and management: conference summary and recommendations. Kramer A, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):53S–57S (8 ref.)

Impacts of geriatric evaluation and management programs on defined outcomes: overview of the evidence. Rubenstein LZ, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):8S–16S; discussion 17S–18S (65 ref.)

Working group recommendations: targeting criteria for geriatric evaluation and management research. Rubenstein LZ, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):37S–41S (4 ref.)

Medicare reimbursement for geriatric assessment: report of the American Geriatrics Society Ad Hoc Committee on Geriatrics Assessment. Rubenstein LZ, et al. **J Am Geriatr Soc** 1991 Sep;39(9):926–31 (17 ref.)

Targeting strategies: an overview of criteria and outcomes. Winograd CH. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):25S–35S (41 ref.)

Geriatric obsessive-compulsive disorder. Jenike MA. **J Geriatr Psychiatry Neurol** 1991 Jan–Mar;4(1):34–9 (33 ref.)

Medical evaluation of the elderly psychiatric patient. Aisen PS. **Mt Sinai J Med** 1991 Jan;58(1):85–90 (27 ref.)

The older adult. A comparative assessment. Kain CD, et al. **Nurs Clin North Am** 1990 Dec;25(4):833–48 (21 ref.)

[Falls of elderly people—a systematic evaluation is necessary] Tanzi F. **Ther Umsch** 1991 May;48(5):285–92 (21 ref.) (Eng. Abstr.) **(Ger)**

[The assessment of the nutritional status in the elderly] Santi Cano MJ, et al. **Med Clin (Barc)** 1991 Mar 9;96(9):350–5 (103 ref.) **(Spa)**

GERIATRIC DENTISTRY

see related
DENTAL CARE FOR AGED

Geriatric dentistry. Hurst PS, et al. **Otolaryngol Clin North Am** 1990 Dec;23(6):1097–107 (21 ref.)

GERIATRIC HEALTH SERVICES see **HEALTH SERVICES FOR THE AGED**

GERIATRIC NURSING

METHODS

An analysis of theory-research linkages in published gerontologic nursing studies, 1983–1989. Murphy E, et al. **ANS Adv Nurs Sci** 1991 Jun;13(4):1–13 (26 ref.)

GERIATRIC PSYCHIATRY

[Mental state in old age psychiatry: toward a valid and comprehensive examination] Heinik J, et al. **Harefuah** 1991 Apr 15;120(8):459–65 (43 ref.) **(Heb)**

ORGANIZATION & ADMINISTRATION

Effectiveness of three types of geriatric medical services: lessons for geriatric psychiatric services. Cole MG. **Can Med Assoc J** 1991 May 15;144(10):1229–40 (28 ref.)

GERIATRICS

see related
AGED

The relation between immunology, nutrition and disease in elderly people. Chandra RK. **Age Ageing** 1990 Jul; 19(4):S25–31 (27 ref.)

Ethical issues in geriatric nephrology: overview. Cummings NB. **Am J Kidney Dis** 1990 Oct;16(4):367–71 (15 ref.)

Medicine in the elderly. Diggory P, et al. **Postgrad Med J** 1991 May;67(787):423–45 (318 ref.)

[Geriatrics and geriatric care: for whom and how (I)] González Montalvo JI, et al. **Med Clin (Barc)** 1991 Feb 9;96(5):183–8 (95 ref.) **(Spa)**

[Geriatrics and geriatric care: for whom and how (and II)] González Montalvo JI, et al. **Med Clin (Barc)** 1991 Feb 16;96(6):222–8 (114 ref.) **(Spa)**

METHODS

Caring for older patients with high blood pressure. Burris JF. **Am Fam Physician** 1991 Jul;44(1):137–44 (24 ref.)

Guidelines for prescribing psychoactive drugs in the elderly: Part 1. Maletta G, et al. **Geriatrics** 1991 Sep;46(9):40–7 (33 ref.)

Guidelines for prescribing psychoactive drugs in the elderly: Part 2. Maletta G, et al. **Geriatrics** 1991 Sep;46(9):52–7, 60 (33 ref.)

Malignant tumors of the eye in geriatric patients. Shields JA, et al. **Geriatrics** 1991 Sep;46(9):28–39 (2 ref.)

STANDARDS

The importance of diagnostic procedures to ensure quality of health care in geriatric medicine. Examples from recent studies. Steen B. **Qual Assur Health Care** 1990; 2(3–4):387–92 (16 ref.)

TRENDS

High technology and psychiatric care of the elderly. Lieff JD. **Int Psychogeriatr** 1989 Spring;1(1):87–101 (50 ref.)

The new geriatrics [editorial] Morley JE, et al. **J Am Geriatr Soc** 1990 Dec;38(12):1373–8 (92 ref.)

GERM CELLS

IMMUNOLOGY

Expression of human major histocompatibility antigens on germ cells and early preimplantation embryos. Desoye G, et al. **Lab Invest** 1991 Mar;64(3):306–12 (81 ref.)

PHYSIOLOGY

Teratocarcinoma stem cells. Damjanov I. **Cancer Surv** 1990; 9(2):303–19 (84 ref.)

GERM-FREE LIFE

The germ-free animal fed chemically defined diet: a unique tool. Wostmann BS, et al. **Proc Soc Exp Biol Med** 1991 Oct;198(1):539–46 (62 ref.)

GERM-LINE CELLS see **GERM CELLS**

GERM LINE THEORY see **ANTIBODY DIVERSITY**

GERMANIUM

POISONING

[A case of inorganic germanium poisoning with peripheral and cranial neuropathy, myopathy and autonomic dysfunction] Iijima M, et al. **No To Shinkei** 1990 Sep; 42(9):851–6 (13 ref.) (Eng. Abstr.) **(Jpn)**

GERMINOBLASTOMA see **LYMPHOMA**

GERONTOLOGY see **GERIATRICS**

GERSTMANN-STRAUSSLER-SCHEINDER DISEASE see **GERSTMANN-STRAUSSLER SYNDROME**

GERSTMANN-STRAUSSLER SYNDROME

COMPLICATIONS

[Conference at the Salpêtrière. June 1989. Progressive instability of gait, dysphagia and dysphonia, paraparesis with amyotrophy and mental deterioration in a 56-year-old man] Collard M, et al. **Rev Neurol (Paris)** 1991;147(4):323–8 (26 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Inherited human prion diseases. Hsiao K, et al. **Neurology** 1990 Dec;40(12):1820–7 (70 ref.)

[Mutation of codon 117 of the prion gene in Gerstmann-Sträussler-Scheinker disease] Tranchant C, et al. **Rev Neurol (Paris)** 1991;147(4):274–8 (31 ref.) (Eng. Abstr.) **(Fre)**

TRANSMISSION

"Life, Jim, but not as we know it"? Transmissible dementias and the prion protein. Harrison PJ, et al. **Br J Psychiatry** 1991 Apr;158:457–70 (145 ref.)

Spongiform encephalopathies. The prion's progress [news] Weissmann C. **Nature** 1991 Feb 14;349(6310):569–71 (22 ref.)

GESTATIONAL AGE

see related
INFANT, PREMATURE

Gestational age: what to measure and when. Blum L, et al. **Semin Roentgenol** 1990 Oct;25(4):299–308 (23 ref.)

[Significance of age correction in premature infants] Brandt I, et al. **Monatsschr Kinderheilkd** 1991 Jan;139(1):16–21 (50 ref.) (Eng. Abstr.) **(Ger)**

GESTOSIS, EPH

DIAGNOSIS

[Arterial hypertension in pregnant women] Halawa B. **Pol Tyg Lek** 1990 Mar 10–26;45(12–13):265–9 (34 ref.) **(Pol)**

[Is "late pregnancy toxemia" late?] Katsulov A. **Akush Ginekol (Mosk)** 1990 Oct;(10):6–8 (21 ref.) **(Rus)**

DRUG THERAPY

[Use of diuretics in pregnancy] Shekhtman MM. **Akush Ginekol (Mosk)** 1991 May;(5):8–11 (24 ref.) **(Rus)**

PATHOLOGY

[Pathology of the placenta. IV. Maturation disorders of the placenta under special clinical conditions] Emmrich P. **Zentralbl Pathol** 1991;137(1):2–13 (22 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

["Goldblatt phenomenon of the uterus" and latent kidney disease as the cause of pregnancy-induced hypertension—epidemiology and therapeutic consequences] Künzel W. **Geburtshilfe Frauenheilkd** 1990 Nov;50(11):833–41 (43 ref.) (Eng. Abstr.) **(Ger)**

[The significance of eicosanoids in gestosis] Klockenbusch W, et al. **Z Geburtshilfe Perinatol** 1990 Sep–Oct; 194(5):200–7 (82 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

[Immunomodulating therapy in various complications of the gestational period] Nazarenko LG. **Akush Ginekol (Mosk)** 1990 Nov;(11):12–5 (53 ref.) **(Rus)**

GIANT CELL ARTERITIS see **TEMPORAL ARTERITIS**

GIANT CELL GRANULOMA see **GRANULOMA, GIANT CELL**

GIANT CELL TUMORS

[Bilateral brown tumor of the jaw. Apropos of a case] Khochtali H, et al. **Rev Stomatol Chir Maxillofac** 1991; 92(2):116–9 (16 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Chondrosarcoma and other rare bone sarcomas. Van Oosterom AT, et al. **Curr Opin Oncol** 1990 Jun;2(3):495–9 (5 ref.)

[Chondroosteoid breast tumor with multi-nucleated giant cells. Case report and review of the literature] Oemus K, et al. **Pathologe** 1990 Sep;11(5):307–12 (29 ref.) **(Ger)**

[Giant cell tumor of the sphenoid bone: presentation of a case and review of the literature] Martínez Martínez J, et al. **Arch Neurobiol (Madr)** 1990 Jul–Aug;53(4):157–61 (35 ref.) (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[Tenosynovial giant cell tumor in the differential diagnosis of painful heel] Sager M, et al. **Schweiz Rundsch Med Prax** 1990 Oct 2;79(40):1175–9 (28 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Adjuvant management of benign tumors; basic concepts of phenol and cement use. Rock M. **Chir Organi Mov** 1990; 75(1 Suppl):195–7 (24 ref.)

GIANT CELLS

PATHOLOGY

Noonan-like/multiple giant cell lesion syndrome. Cohen MM Jr, et al. **Am J Med Genet** 1991 Aug 1;40(2):159–66 (49 ref.)

GIANT CELLS, MULTINUCLEATED see **GIANT CELLS**

GIANT LYMPH NODE HYPERPLASIA

Mesenteric giant lymph node hyperplasia—report of a case and review of the literature. Lee JP, et al. **Australas Radiol** 1990 May;34(2):162–4 (17 ref.)

Neonatal giant lymph node hyperplasia (Castleman's disease) presenting in the head and neck. Penfold CN, et al. **Br J Oral Maxillofac Surg** 1991 Apr;29(2):110–1 (18 ref.)

[Mediastinal adenopathy disclosing Castleman's disease. Apropos of a case] Dansin E, et al. **Rev Mal Respir** 1991; 8(1):103–6 (21 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Membranous nephropathy associated with giant lymph node hyperplasia. A case report with histological and ultrastructural studies. Ruggieri G, et al. **Am J Nephrol** 1990;10(4):323–8 (33 ref.)

Angiofollicular lymph node hyperplasia and peripheral neuropathy. Case report and literature review. Scherokman B, et al. **Arch Intern Med** 1991 Apr;151(4):789–90 (18 ref.)

[Castleman's disease. Report of 2 cases with otorhinolaryngologic involvement] Rotenberg M, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(7):490–3 (13 ref.) (Eng. Abstr.) **(Fre)**

[Castleman tumor, lichen ruber and pemphigus vulgaris: paraneoplastic association of immunological diseases?] Plewig G, et al. **Hautarzt** 1990 Dec;41(12):662–70 (40 ref.) (Eng. Abstr.) **(Ger)**

[A case of idiopathic plasmacytic lymphadenopathy with polyclonal hyperimmunoglobulinemia associated with chronic renal failure] Kondo M, et al. **Nippon Jinzo Gakkai Shi** 1990 Oct;32(10):1133–7 (12 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

[Castleman disease in the pelvic retroperitoneum] Takeda A, et al. **Hinyokika Kiyo** 1990 Sep;36(9):1093–6 (12 ref.) (Eng. Abstr.) **(Jpn)**

GIANT OSTEOID OSTEOMA see **OSTEOMA, OSTEOID**

GIANT PLATELET SYNDROME see **BERNARD-SOULIER SYNDROME**

GIARDIA

DRUG EFFECTS

Drug resistance in Giardia intestinalis. Upcroft JA, et al. **Int J Parasitol** 1990 Jul;20(4):489–96 (39 ref.)

GENETICS

DNA fingerprinting of the human intestinal parasite Giardia intestinalis with hypervariable minisatellite sequences. Upcroft P. **Experientia Suppl** 1991;58:70–84 (79 ref.)

Echinococcus and Giardia: variation on a theme. Thompson RC. **Int J Parasitol** 1991 Jun;21(3):291–7 (40 ref.)

ISOLATION & PURIFICATION

Human pathogenic viruses and parasites: emerging pathogens in the water cycle. West PA. **Soc Appl Bacteriol Symp Ser** 1991;20:107S–114S (91 ref.)

[The detection of Giardia lamblia in water] Andrik P, et al. **Angew Parasitol** 1990 Aug;31(3):182–4 (12 ref.) (Eng. Abstr.) **(Ger)**

GIARDIASIS

DIAGNOSIS

Immunological methods of diagnosis in giardiasis: an overview. Isaac-Renton JL. **Ann Clin Lab Sci** 1991 Mar-Apr;21(2):116–22 (53 ref.)

DRUG THERAPY

Drug resistance in Giardia intestinalis. Upcroft JA, et al. **Int J Parasitol** 1990 Jul;20(4):489–96 (39 ref.)

EPIDEMIOLOGY

From Leningrad to the day-care center. The ubiquitous Giardia lamblia. Shandera WX. **West J Med** 1990 Aug; 153(2):154–9 (139 ref.)

IMMUNOLOGY

[Immunological aspects of Giardia intestinalis infection] Szczepański M, et al. **Wiad Lek** 1990 Jun 15;43(12):590–6 (38 ref.) (Eng. Abstr.) **(Pol)**

PARASITOLOGY

Echinococcus and Giardia: variation on a theme. Thompson RC. **Int J Parasitol** 1991 Jun;21(3):291–7 (40 ref.)

Giardiasis [published erratum appears in Prim Care 1991 Jun;18(2):following xii] Jones JE. **Prim Care** 1991 Mar; 18(1):43–52 (28 ref.)

GIEMSA STAIN see **AZURE STAINS**

GIFT see **GAMETE INTRAFALLOPIAN TRANSFER**

GIGANTISM

see related
BECKWITH-WIEDEMANN SYNDROME

COMPLICATIONS

Sotos syndrome presenting with epilepsy. Büyükgebiz A, et al. **Turk J Pediatr** 1990 Jan-Mar;32(1):59–63 (11 ref.)

GILLES DE LA TOURETTE'S DISEASE see **TOURETTE SYNDROME**

GINGIVA

ANATOMY & HISTOLOGY

A comparison of the gum pads of Afro-Caribbean and Caucasian British subjects at birth. Leighton BC, et al. **Br J Orthod** 1990 Aug;17(3):215–21 (18 ref.)

The retrocuspid papilla of the mandibular lingual gingiva. Buchner A, et al. **J Periodontol** 1990 Sep;61(9):585–9 (16 ref.)

Maintaining and enhancing gingival architecture in fixed prosthodontics. Ferencz JL. **J Prosthet Dent** 1991 May; 65(5):650–7 (27 ref.)

INJURIES

Episodic factitious gingival injury secondary to topical anesthesia. A case report. Raab FJ, et al. **J Periodontol** 1991 Jun;62(6):402–6 (28 ref.)

Managing common dental problems and emergencies. Josell SD, et al. **Pediatr Clin North Am** 1991 Oct;38(5):1325–42 (38 ref.)

PHYSIOPATHOLOGY

Epidemiology and prevention of periodontal disease in individuals with diabetes. Katz PP, et al. **Diabetes Care** 1991 May;14(5):375–85 (82 ref.)

ULTRASTRUCTURE

Ultrastructural investigations of the bone and fibrous connective tissue interface with endosteal dental implants. Steflik DE, et al. **Scanning Microsc** 1990 Dec;4(4):1039–47;

discussion on 1047-8 (22 ref.)

GINGIVAL CREVICULAR FLUID

[Sulcus fluid in periodontal diagnosis. A review] Zafiropoulos GG, et al. **Schweiz Monatsschr Zahnmed** 1991; 101(8):973-85 (148 ref.) (Eng. Abstr.) **(Ger)**

GINGIVAL DISEASES

Cutaneous silica granuloma. A rare entity or rarely diagnosed? Report of two cases with review of the literature. Mowry RG, et al. **Arch Dermatol** 1991 May; 127(5):692-4 (15 ref.)

CLASSIFICATION

[The classification of epulides with reference to their clinical and anatomicopathological aspects] Cattaneo V, et al. **Minerva Stomatol** 1990 Jul;39(7):539-45 (19 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

[The clinical and therapeutic aspects of epulis gravidarum] Moniaci D, et al. **Minerva Stomatol** 1990 Dec;39(12):1023-6 (22 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

Metastatic chondrosarcoma of the gingiva mimicking a reactive exophytic lesion: a case report. Taicher S, et al. **J Periodontol** 1991 Mar;62(3):223-6 (28 ref.)

GINGIVAL EXUDATE see **GINGIVAL CREVICULAR FLUID**

GINGIVAL HYPERPLASIA

CHEMICALLY INDUCED

Calcium channel blockers and gingival overgrowth. Seymour RA. **Br Dent J** 1991 May 25;170(10):376-9 (27 ref.)

On the mechanism of drug-induced gingival hyperplasia. Brown RS, et al. **J Oral Pathol Med** 1991 May;20(5):201-9 (116 ref.)

[Gingival hyperplasia in a heart transplant patient treated with cyclosporin A and nifedipine] Goffin M. **Rev Belge Med Dent** 1991;46(2):26-31 (25 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

On the mechanism of drug-induced gingival hyperplasia. Brown RS, et al. **J Oral Pathol Med** 1991 May;20(5):201-9 (116 ref.)

PREVENTION & CONTROL

Chlorhexidine as an oral hygiene adjunct for cyclosporine-induced gingival hyperplasia. Saravia ME, et al. **ASDC J Dent Child** 1990 Sep-Oct;57(5):366-70 (40 ref.)

GINGIVAL INDEX see **PERIODONTAL INDEX**

GINGIVAL NEOPLASMS

Epithelioid hemangioendothelioma of the oral cavity: report of two cases and review of literature. Marrogi AJ, et al. **J Oral Maxillofac Surg** 1991 Jun;49(6):633-8 (54 ref.)

Peripheral ameloblastoma of the gingiva. A case report. Mintz S, et al. **J Periodontol** 1990 Oct;61(10):649-52 (38 ref.)

CLASSIFICATION

[The classification of epulides with reference to their clinical and anatomicopathological aspects] Cattaneo V, et al. **Minerva Stomatol** 1990 Jul;39(7):539-45 (19 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

Peripheral (extraosseous) calcifying odontogenic cyst. A review of forty-five cases. Buchner A, et al. **Oral Surg Oral Med Oral Pathol** 1991 Jul;72(1):65-70 (28 ref.)

Malignant melanoma of the oral cavity. A case report. Peckitt NS, et al. **Oral Surg Oral Med Oral Pathol** 1990 Aug; 70(2):161-4 (9 ref.)

[Myxoma of the nerve sheath. Apropos of a case] Terrier JP, et al. **Rev Stomatol Chir Maxillofac** 1990;91(5):379-84 (36 ref.) (Eng. Abstr.) **(Fre)**

SECONDARY

Metastatic chondrosarcoma of the gingiva mimicking a reactive exophytic lesion: a case report. Taicher S, et al. **J Periodontol** 1991 Mar;62(3):223-6 (28 ref.)

GINGIVITIS

COMPLICATIONS

HIV-associated periodontal lesions: a study of the literature. Nantista L. **N Y State Dent J** 1990 Dec;56(10):28-30 (9 ref.)

DIAGNOSIS

Periodontal disease and the family physician. Hubbard TM. **Am Fam Physician** 1991 Aug;44(2):487-91 (12 ref.)

[Gingivitis in pregnancy. The clinical manifestations, pathogenesis and treatment] Moniaci D, et al. **Minerva Stomatol** 1990 Oct;39(10):785-8 (22 ref.) (Eng. Abstr.) **(Ita)**

DRUG THERAPY

The impact of chemotherapeutic agents on treatment planning. Ciancio SG. **J Can Dent Assoc** 1990;56(7 Suppl):37-9 (24 ref.)

Sanguinaria toothpaste and oral rinse regimen clinical efficacy in short- and long-term trials. Kuftinec MM, et al. **J Can Dent Assoc** 1990;56(7 Suppl):31-3 (37 ref.)

New perspectives on Sanguinaria clinicals: individual toothpaste and oral rinse testing. Laster LL, et al. **J Can Dent Assoc** 1990;56(7 Suppl):19-30 (24 ref.)

ETIOLOGY

[Cicatricial pemphigoid disclosed by superficial desquamative gingivitis. Clinical and immuno-electron microscopic study of a case] Vaillant L, et al. **Ann Dermatol Venereol** 1990; 117(9):613-20 (30 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Adult linear immunoglobulin A disease manifesting as desquamative gingivitis. Porter SR, et al. **Oral Surg Oral Med Oral Pathol** 1990 Oct;70(4):450-3 (45 ref.)

PATHOLOGY

Childhood cicatricial pemphigoid with exclusive gingival involvement. Sklavounou A, et al. **Int J Oral Maxillofac Surg** 1990 Aug;19(4):197-9 (16 ref.)

PREVENTION & CONTROL

Zinc citrate/Triclosan: a new anti-plaque system for the control of plaque and the prevention of gingivitis: short-term clinical and mode of action studies. Cummins D. **J Clin Periodontol** 1991 Jul;18(6):455-61 (45 ref.)

Dentifrices containing new agents for the control of plaque and gingivitis: microbiological aspects. Marsh PD. **J Clin Periodontol** 1991 Jul;18(6):462-7 (53 ref.)

Anti-plaque agents. Rationale and prospects for prevention of gingivitis and periodontal disease. van der Ouderaa FJ. **J Clin Periodontol** 1991 Jul;18(6):447-54 (96 ref.)

GINGIVOSIS see **GINGIVAL DISEASES**

GINGIVOSTOMATITIS, HERPETIC see **STOMATITIS, HERPETIC**

GINSENG

Immunopotentiating effect of traditional Chinese drugs--ginsenoside and glycyrrhiza polysaccharide. Yang G, et al. **Proc Chin Acad Med Sci Peking Union Med Coll** 1990; 5(4):188-93 (9 ref.)

GLA-PROTEIN see **OSTEOCALCIN**

GLANDULAR FEVER see **INFECTIOUS MONONUCLEOSIS**

GLASS IONOMER CEMENTS

ADMINISTRATION & DOSAGE

[The utilization of glass ionomer sealing cements (published erratum appears in Rev Belge Med Dent 1990;45(4):preceding 9)] Van Zeghbroeck L. **Rev Belge Med Dent** 1990;45(3):23-9 (40 ref.) (Eng. Abstr.) **(Fre)**

CHEMISTRY

Luting cements: a review and comparison. Oilo G. **Int Dent J** 1991 Apr;41(2):81-8 (30 ref.)

GLASSES see **EYEGLASSES**

GLAUCOMA

Glaucomatous and glaucoma-like optic neuropathy. Miglior M, et al. **Metab Pediatr Syst Ophthalmol** 1990; 13(2-4):119-28 (15 ref.)

COMPLICATIONS

[Glaucoma as etiopathogenic hypothesis of amaurosis after blepharoplasty. Apropos of a clinical case] Scuderi N, et al. **Ann Chir Plast Esthet** 1990;35(5):410-3 (21 ref.) (Eng. Abstr.) **(Fre)**

CONGENITAL

[Congenital glaucoma] Cernea P. **Oftalmologia** 1990 Jan-Mar; 34(1):73-80 (0 ref.) **(Rum)**

DIAGNOSIS

Automated perimetry in glaucoma. Caprioli J. **Am J Ophthalmol** 1991 Feb 15;111(2):235-9 (27 ref.)

Glaucoma--diagnostic hints. Goldberg I. **Aust Fam Physician** 1991 Feb;20(2):150-1, 154-62 (6 ref.)

[Follow-up in glaucoma] Gloor B. **Fortschr Ophthalmol** 1990; 87 Suppl:S163-71 (78 ref.) (Eng. Abstr.) **(Ger)**

[Diagnosis and therapy of primary glaucoma] Suda K. **Nippon Ganka Gakkai Zasshi** 1965 Jul;69(7):595-632 (165 ref.) (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Pharmacological and clinical aspects of glaucoma therapy. Berggren L. **Acta Ophthalmol (Copenh)** 1990 Oct; 68(5):497-507 (107 ref.)

Carbonic anhydrase inhibitors. Brandt JD. **CLAO J** 1991 Apr;17(2):136-8 (7 ref.)

Combination therapy. Brown RH. **CLAO J** 1991 Apr; 17(2):135-6 (7 ref.)

Beta blockers. Katz LJ. **CLAO J** 1991 Apr;17(2):132-3 (8 ref.)

New developments in the drug treatment of glaucoma. Hurvitz LM, et al. **Drugs** 1991 Apr;41(4):514-32 (137 ref.)

Review: alpha 2 and DA2 agonists as antiglaucoma agents: comparative pharmacology and clinical potential. Potter DE, et al. **J Ocul Pharmacol** 1990 Fall;6(3):251-7 (21 ref.)

Systemic drug interactions with topical glaucoma medications. Gerber SL, et al. **Surv Ophthalmol** 1990 Nov-Dec;35(3):205-18 (99 ref.)

[Drug therapy of glaucoma] Krieglstein GK. **Fortschr Ophthalmol** 1990;87 Suppl:S172-4 (0 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Pigmentary glaucoma following implantation of an artificial lens in the posterior chamber] Archaimbault V, et al. **Bull Soc Ophtalmol Fr** 1990 Mar;90(3):285-9 (9 ref.) **(Fre)**

[Normal-pressure glaucoma] Flammer J. **Fortschr Ophthalmol** 1990;87 Suppl:S187-9 (23 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Current trends in the hemodynamic study of the eye with glaucoma] Astakhov IuS, et al. **Oftalmol Zh** 1990;(3):179-83 (68 ref.) **(Rus)**

PREVENTION & CONTROL

[Glaucoma screening--justified or not justified?] Sternbuch J, et al. **Klin Monatsbl Augenheilkd** 1991 Apr;198(4):277-83 (117 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Medicine, lasers and surgery. Cyrlin MN. **CLAO J** 1991 Apr; 17(2):138-40 (14 ref.)

[Changes in the visual fields following filtering surgery in advanced glaucoma] Assouline W, et al. **Bull Soc Ophtalmol Fr** 1990 May;90(5):553-6 (9 ref.) (Eng. Abstr.) **(Fre)**

[Surgical therapy of glaucoma] Grehn F. **Fortschr Ophthalmol** 1990;87 Suppl:S175-86 (154 ref.) (Eng. Abstr.) **(Ger)**

[Cicatrization prevention in surgery of primary glaucoma (review of the literature)] Babushkin AE. **Vestn Oftalmol** 1990 Nov-Dec;106(6):66-70 (75 ref.) **(Rus)**

THERAPY

Management of glaucoma in penetrating keratoplasty patients. Beebe WE. **Refract Corneal Surg** 1991 Jan-Feb; 7(1):67-9 (16 ref.)

GLAUCOMA, ANGLE-CLOSURE

COMPLICATIONS

[Current concepts in malignant glaucoma] Călugăru M, et al. **Oftalmologia** 1990 Jan-Mar;34(1):15-25 (36 ref.) (Eng. Abstr.) **(Rum)**

EPIDEMIOLOGY

[Epidemiologic aspects of acute glaucoma crisis. Study carried out at the CHR of Reims] Ducasse A, et al. **Ophtalmologie** 1987 Oct-Dec;1(4):533-5 (10 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

The prevalence of autonomic neuropathy in the primary glaucomas. Clark CV. **Doc Ophthalmol** 1990 Apr-Jul; 74(4):277-85 (27 ref.)

SURGERY

Glaucoma treatment and the laser revolution. Pollack IP. **Md Med J** 1991 Jun;40(6):493-6 (38 ref.)

GLAUCOMA, CLOSED-ANGLE see **GLAUCOMA, ANGLE-CLOSURE**

GLAUCOMA, NEOVASCULAR

SURGERY

[Surgical treatment of neovascular glaucoma] Andreanos D, et al. **Ophtalmologie** 1987 Jul-Sep;1(3):377-9 (12 ref.) **(Fre)**

GLAUCOMA, OPEN-ANGLE

DRUG THERAPY

Pilocarpine and dipivefrin. Cantor LB. **CLAO J** 1991 Apr; 17(2):134 (6 ref.)

SURGERY

Glaucoma treatment and the laser revolution. Pollack IP. **Md Med J** 1991 Jun;40(6):493-6 (38 ref.)

Long-term efficacy of repeat argon laser trabeculoplasty. Feldman RM, et al. **Ophthalmology** 1991 Jul;98(7):1061-5 (18 ref.)

Laser trabeculoplasty. Reiss GR, et al. **Surv Ophthalmol** 1991 May-Jun;35(6):407-28 (175 ref.)

GLAUCOMA, PIGMENTARY see **GLAUCOMA, OPEN-ANGLE**

GLAUCOMA, SIMPLE see **GLAUCOMA, OPEN-ANGLE**

GLAUCOMA SIMPLEX see **GLAUCOMA, OPEN-ANGLE**

GLAUCOMA, SUSPECT see **OCULAR HYPERTENSION**

GLENOSPORELLA see **CHRYSOSPORIUM**

GLIADIN

IMMUNOLOGY

Anti-gliadin antibodies. Troncone R, et al. **J Pediatr Gastroenterol Nutr** 1991 Feb;12(2):150-8 (102 ref.)

GLIAL FIBRILLARY ACIDIC PROTEIN

ANALYSIS

Neurocytogenesis and tumor development in the rat. Giordana MT. **J Neurosurg Sci** 1990 Jul-Dec; 34(3-4):167-70 (23 ref.)

GLIAL INTERMEDIATE FILAMENT PROTEIN see **GLIAL FIBRILLARY ACIDIC PROTEIN**

GLICLAZIDE

PHARMACOLOGY

[Glycogen synthetase and non-insulin-dependent diabetes: role of gliclazide] Lesobre B. **Journ Annu Diabetol Hotel Dieu** 1991;:315-21 (21 ref.) **(Fre)**

THERAPEUTIC USE

Pathogenesis of diabetic microangiopathy: an overview. Barnett AH. **Am J Med** 1991 Jun 24;90(6A):67S-73S (55 ref.)

Pathophysiology of vascular disease in diabetes: effects of gliclazide. Colwell JA. **Am J Med** 1991 Jun 24; 90(6A):50S-54S (28 ref.)

Current status of non-insulin-dependent diabetes mellitus (type II): management with gliclazide. Rifkin H. **Am J Med** 1991 Jun 24;90(6A):3S-7S (27 ref.)

GLIOBLASTOMA-DERIVED T-CELL SUPPRESSOR FACTOR see **TRANSFORMING GROWTH FACTOR BETA**

GLIOBLASTOMA MULTIFORME

Cerebellar glioblastoma multiforme; a report of two cases and review of the literature. Aziz TZ, et al. **West Engl Med J** 1990 Jun;105(2):39-42 (37 ref.)

CONGENITAL

Congenital glioblastoma multiforme--report of an autopsy case. Jung WH, et al. **J Korean Med Sci** 1990 Dec; 5(4):225-31 (14 ref.)

DIAGNOSIS

Multicentric gliomas: two case reports and a review of the literature. Mishra HB, et al. **Br J Neurosurg** 1990;4(6):535-9 (20 ref.)

Spinal glioblastomas: report of seven cases and review of the literature. Ciappetta P, et al. **Neurosurgery** 1991 Feb; 28(2):302-6 (43 ref.)

EPIDEMIOLOGY

The cause of death in patients with glioblastoma is multifactorial: clinical factors and autopsy findings in 117 cases of supratentorial glioblastoma in adults. Silbergeld DL, et al. **J Neurooncol** 1991 Apr;10(2):179-85 (29 ref.)

ETIOLOGY

A report on radiation-induced gliomas. Salvati M, et al. **Cancer** 1991 Jan 15;67(2):392-7 (56 ref.)

GENETICS

Nonfamilial intestinal polyposis and brain tumor in a 5-year-old girl. Castello MA, et al. **Pediatr Hematol Oncol** 1987;4(3):247-60 (28 ref.)

METABOLISM

Expression of TGF-beta 2 in human glioblastoma: a role in resistance to immune rejection? Fontana A, et al. **Ciba Found Symp** 1991;157:232-8; discussion 238-41 (26 ref.)

PATHOLOGY

Cerebral granular cell tumor occurring with glioblastoma multiforme: case report. Harris CP, et al. **Surg Neurol** 1991 Sep;36(3):202-6 (17 ref.)

SECONDARY

Spinal cord glioblastoma multiforme with intracranial dissemination--case report. Asano N, et al. **Neurol Med Chir (Tokyo)** 1990 Jul;30(7):489-94 (21 ref.)

SURGERY

Malignant spinal cord tumors: a review and case presentation. Raney DJ. **J Neurosci Nurs** 1991 Feb;23(1):44-9 (7 ref.)

THERAPY

Hyperthermia treatment for malignant brain tumors: nursing management during therapy. Edwards DK, et al. **J Neurosci Nurs** 1991 Feb;23(1):34-8 (21 ref.)

GLIOCLADIUM see **HYPHOMYCETES**

GLIOMA

Optic nerve gliomas and meningiomas. Dutton JJ. **Neurol Clin** 1991 Feb;9(1):163-77 (114 ref.)

CHEMISTRY

Neurocytogenesis and tumor development in the rat. Giordana MT. **J Neurosurg Sci** 1990 Jul-Dec; 34(3-4):167-70 (23 ref.)

COMPLICATIONS

"Angioglioma" and the arteriovenous malformation-glioma association. Lombardi D, et al. **J Neurosurg** 1991 Oct; 75(4):589-66 (28 ref.)

DIAGNOSIS

Markers of central nervous system tumors. Birkmayer GD. **Immunol Ser** 1990;53:317-22 (32 ref.)

Second intracranial neoplasms following treatment of childhood acute lymphoblastic leukaemia. Vowels MR, et al. **J Paediatr Child Health** 1991 Feb;27(1):43-6 (36 ref.)

[Brain stem tumors in children] Plantaz D, et al. **Pediatrie** 1991;46(1):79-85 (14 ref.) (Eng. Abstr.) **(Fre)**

[Histological diagnosis of brain tumors: (17). Subependymal giant cell astrocytoma] Tabuchi K. **No Shinkei Geka** 1991 Jul;19(7):603-9 (20 ref.) **(Jpn)**

DRUG THERAPY

Medical treatment of high grade malignant gliomas in adults: an overview. Brandes A, et al. **Anticancer Res** 1991 Mar-Apr;11(2):719-27 (144 ref.)

Immunotherapy of brain tumors. Sawamura Y, et al. **J Neurosurg Sci** 1990 Jul-Dec;34(3-4):265-78 (29 ref.)

ETIOLOGY

Late anaplastic gliomas in children previously treated for acute lymphoblastic leukemia. Shapiro S, et al. **Pediatr Neurosci** 1989;15(4):176-80 (59 ref.)

[Nasoglioma: apropos of 2 cases] Touhami M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1989;110(1):109-13 (31 ref.) (Eng. Abstr.) **(Fre)**

[Glioblastoma after radiotherapy of meningioma] Lubetzki C, et al. **Rev Neurol (Paris)** 1991;147(2):151-5 (36 ref.) (Eng. Abstr.) **(Fre)**

[Two autopsied cases of radiation-induced gliosarcoma] Kawaguchi S, et al. **No Shinkei Geka** 1991 Mar; 19(3):285-90 (18 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

Molecular genetic aspects of glial tumour evolution. James CD, et al. **Cancer Surv** 1990;9(4):631-44 (62 ref.)

IMMUNOLOGY

Immunotherapy of brain tumors. Sawamura Y, et al. **J Neurosurg Sci** 1990 Jul-Dec;34(3-4):265-78 (29 ref.)

PATHOLOGY

Invasive glioma cells in tissue culture. Lund-Johansen M, et al. **Anticancer Res** 1990 Sep-Oct;10(5A):1135-51 (226 ref.)

Imaging of adult central nervous system primary malignant gliomas. Staging and follow-up. Zimmerman RA. **Cancer** 1991 Feb 15;67(4 Suppl):1278-83 (29 ref.)

Glioma malignancy and its biological and histological correlates. Schiffer D. **J Neurosurg Sci** 1990 Jul-Dec; 34(3-4):163-5 (22 ref.)

Clinicopathological study of multiple gliomas--report of three cases. Kato T, et al. **Neurol Med Chir (Tokyo)** 1990 Aug;30(8):604-9 (21 ref.)

Subependymoma with rhabdomyosarcomatous differentiation: report of a case and literature review. Tomlinson FH, et al. **Neurosurgery** 1991 May;28(5):761-8 (50 ref.)

PHYSIOPATHOLOGY

Phosphoinositides and synaptic function in NG108-15 neuroblastoma x glioma hybrid cells. Higashida H, et al. **Comp Biochem Physiol [C]** 1991;98(1):129-37 (48 ref.)

RADIOTHERAPY

Chiasmal gliomas: results of irradiation management in 57 patients and review of literature. Bataini JP, et al. **Int J Radiat Oncol Biol Phys** 1991 Aug;21(3):615-23 (27 ref.)

Malignant glioma: current treatment perspectives. Adams BA, et al. **J Neurosci Nurs** 1991 Feb;23(1):15-9 (20 ref.)

SURGERY

Epilepsy and brain tumors: implications for treatment. Cascino GD. **Epilepsia** 1990;31 Suppl 3:S37-44 (40 ref.)

Surgical therapy of malignant gliomas. Paoletti P, et al. **J Neurosurg Sci** 1990 Jul-Dec;34(3-4):289-95 (25 ref.)

[Psychosocial management of glioma patients treated with combined therapy] Schmidt B, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Aug; 42(8):494-9 (16 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Treatment of gliomas in adults. Ushio Y. **Curr Opin Oncol** 1991 Jun;3(3):467-75 (42 ref.)

Optic pathway gliomas in neurofibromatosis. Dunn DW, et al. **Dev Med Child Neurol** 1990 Sep;32(9):820-4 (25 ref.)

Multimodal treatment of adult intracranial gliomas. Shapiro S, et al. **Indiana Med** 1991 Apr;84(4):246-50 (21 ref.)

VETERINARY

The clinical presentation and diagnosis of intracranial neoplasia. Nafe LA. **Semin Vet Med Surg (Small Anim)** 1990 Nov;5(4):223-31 (17 ref.)

GLIOTOXINS

TOXICITY

Additional mycotoxins of potential importance to human and animal health. Richard JL. **Vet Hum Toxicol** 1990;32 Suppl:63-9; discussion 69-70 (70 ref.)

GLNH see **GIANT LYMPH NODE HYPERPLASIA**

GLOBIN

GENETICS

Beta S-gene-cluster haplotypes in sickle cell anemia: clinical implications. Powars DR, et al. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):367-74 (37 ref.)

The use of direct gene analysis to define beta-thalassemia. Dozy AM, et al. **Ann N Y Acad Sci** 1990;612:22-30 (19 ref.)

The dominant control region of the human beta-globin domain. Grosveld F, et al. **Ann N Y Acad Sci** 1990; 612:152-9 (25 ref.)

The alpha-thalassemias. Higgs DR, et al. **Ann N Y Acad Sci** 1990;612:15-22 (36 ref.)

Gene defects in beta-thalassemia and their prenatal diagnosis. Kazazian HH Jr, et al. **Ann N Y Acad Sci** 1990;612:1-14 (55 ref.)

Analysis of human gamma-to-beta switching in transgenic mice. Stamatoyannopoulos G, et al. **Ann N Y Acad Sci** 1990;612:127-33 (19 ref.)

Beta-thalassemia in Thailand. Winichagoon P, et al. **Ann N Y Acad Sci** 1990;612:31-42 (25 ref.)

Control of globin gene transcription. Evans T, et al. **Annu Rev Cell Biol** 1990;6:95-124 (155 ref.)

Frequency of abnormal human haemoglobins caused by C----T transitions in CpG dinucleotides. Perutz MF. **Boll Soc Ital Biol Sper** 1990 Sep;66(9):809-19 (17 ref.)

Globin gene regulation and switching: circa 1990. Orkin SH. **Cell** 1990 Nov 16;63(4):665-72 (10 ref.)

1990 Mack Forster Prize lecture. The molecular genetics of the alpha globin gene family. Higgs DR. **Eur J Clin Invest** 1990 Aug;20(4):340-7 (45 ref.)

Beta s-gene-cluster haplotypes in sickle cell anemia. Clinical and hematologic features. Powars DR.

Hematol Oncol Clin North Am 1991 Jun;5(3):475–93 (160 ref.)

The interactions of alpha-thalassemia with hemoglobinopathies. Steinberg MH. **Hematol Oncol Clin North Am** 1991 Jun;5(3):453–73 (148 ref.)

Gene expression during erythropoiesis. Takeshita K, et al. **Int J Cell Cloning** 1991 Mar;9(2):109–22 (86 ref.)

Genetic epidemiology of structural mutations of the beta-globin gene. Nagel RL, et al. **Semin Hematol** 1990 Oct;27(4):342–59 (89 ref.)

Sickle cell anemia: beta s-gene-cluster haplotypes as prognostic indicators of vital organ failure. Powars DR. **Semin Hematol** 1991 Jul;28(3):202–8 (69 ref.)

GLOBULINS

CHEMISTRY

Narbonin, a 2 S globulin from Vicia narbonensis L. Crystallization and preliminary crystallographic data. Hennig M, et al. **J Mol Biol** 1990 Oct 5;215(3):339–40 (3 ref.)

GLOBUS HYSTERICUS see **CONVERSION DISORDER**

GLOBUS PALLIDUS

[Pallido-pyramidal syndrome: an unrecognized entity] Tranchant C, et al. **Rev Neurol (Paris)** 1991;147(4):308–10 (5 ref.) (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

The anatomical relationship of the prefrontal cortex with the striatopallidal system, the thalamus and the amygdala: evidence for a parallel organization. Groenewegen HJ, et al. **Prog Brain Res** 1990;85:95–116; discussion 116–8 (52 ref.)

GLOMANGIOMA

DIAGNOSIS

[Barré-Masson glomus tumors] Kurguzov OP, et al. **Khirurgiia (Mosk)** 1991 Mar;(3):134–41 (114 ref.) **(Rus)**

[Glomus tumor. Report of 5 cases and a review of the literature] Hernández Cañete CM, et al. **Angiologia** 1991 Jan-Feb;43(1):21–5 (11 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

The immunophenotype of hemangiopericytomas and glomus tumors, with special reference to muscle protein expression: an immunohistochemical study and review of the literature. Porter PL, et al. **Mod Pathol** 1991 Jan;4(1):46–52 (44 ref.)

ULTRASONOGRAPHY

[Sonography of the wrist and the hand] Milbradt H, et al. **Radiologe** 1990 Aug;30(8):360–5 (11 ref.) (Eng. Abstr.) **(Ger)**

GLOMERULAR FILTRATION RATE

Is there a reliable index of glomerular filtration rate in critically ill patients? Robert S, et al. **DICP** 1991 Feb; 25(2):169–78 (73 ref.)

DRUG EFFECTS

[Changes in renal function induced by anesthesia] Mercatello A. **Ann Fr Anesth Reanim** 1990;9(6):507–24 (208 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Intrarenal control of GFR, with special reference to proximal reabsorption. Leyssac PP, et al. **Acta Physiol Scand Suppl** 1990;591:74–8 (13 ref.)

Renal functional reserve. Amiel C, et al. **Nephrol Dial Transplant** 1990;5(9):763–70 (95 ref.)

[Pathophysiology of cardiorenal regulatory mechanisms in heart failure] Holtz J, et al. **Z Kardiol** 1991;80 Suppl 2:1–10 (117 ref.) (Eng. Abstr.) **(Ger)**

GLOMERULAR MESANGIUM

CYTOLOGY

Regulation of mesangial cell proliferation. Floege J, et al. **Am J Kidney Dis** 1991 Jun;17(6):673–6 (14 ref.)

Mesangial cell turnover: effect of heparin and peptide growth factors. Striker LJ, et al. **Lab Invest** 1991 Apr;64(4):446–56 (129 ref.)

IMMUNOLOGY

Contributions of mesangial cells to glomerular immune functions. Schlondorff D, et al. **Klin Wochenschr** 1990 Nov 16;68(22):1138–44 (43 ref.)

Immunological mediators and glomerular cell function. Schnaper HW. **Pediatr Nephrol** 1991 May;5(3):352–8 (13 ref.)

METABOLISM

Regulatory functions of protein kinase C in glomerular mesangial cells. Pfeilschifter J. **Klin Wochenschr** 1990 Nov 16;68(22):1134–7 (23 ref.)

Regulation of intracellular pH in glomerular mesangial cells. Ganz MB. **Semin Nephrol** 1991 Jan;11(1):16–27 (36 ref.)

PATHOLOGY

Mesangial cell injury, glomerulosclerosis, and therapeutic intervention. Grond J, et al. **Contrib Nephrol** 1990; 81:229–39 (58 ref.)

Resident glomerular cells in glomerular injury: mesangial cells. Abboud HE. **Semin Nephrol** 1991 May;11(3):304–11 (56 ref.)

[Etiopathogenesis of early stages of diabetic nephropathy] Pynka S, et al. **Pol Tyg Lek** 1990 Oct 1–8;45(40–41):830–5 (58 ref.) **(Pol)**

PHYSIOLOGY

Pathways leading from glomerular injury to glomerulosclerosis. Schreiner GF. **Contrib Nephrol** 1990; 86:1–14; discussion 15–8 (50 ref.)

The biology of mesangial cells in glomerulonephritis. Veis JH, et al. **Proc Soc Exp Biol Med** 1990 Nov;195(2):160–7 (98 ref.)

PHYSIOPATHOLOGY

Glomerular growth promoters, the common key mediator for progressive glomerular sclerosis in chronic renal diseases. Ichikawa I, et al. **Adv Nephrol Necker Hosp** 1991; 20:127–48 (65 ref.)

The glomerular mesangium: role in initiation and progression of renal injury. Shultz PJ, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):8–14 (62 ref.)

GLOMERULONEPHRITIS

see related **KIDNEY FAILURE, CHRONIC**

COMPLICATIONS

Pulmonary hemorrhage and necrotizing glomerulonephritis without glomerular immune deposits: report of two cases. Jones CL, et al. **Am J Kidney Dis** 1991 Aug;18(2):257–63 (40 ref.)

Proteinuria and progression in human glomerular diseases. Cameron JS. **Am J Nephrol** 1990;10 Suppl 1:81–7 (43 ref.)

Unusual case of crescentic glomerulonephritis associated with malignant lymphoma. A case report and review of the literature. Weinstein T, et al. **Am J Nephrol** 1990; 10(4):329–32 (10 ref.)

Infectious complications in the management of systemic vasculitis and rapidly progressive glomerulonephritis. Neild GH. **APMIS Suppl** 1990;19:56–60 (26 ref.)

Alveolar hemorrhage associated with crescentic glomerulonephritis--a case report. Hong SK, et al. **Korean J Intern Med** 1989 Jan;4(1):90–5 (14 ref.)

Rapidly progressive glomerulonephritis and systemic vasculitis in non-Hodgkin lymphoma. Poch E, et al. **Nephrol Dial Transplant** 1991;6(1):51–4 (20 ref.)

Pattern of double glomerulopathies. A clinicopathologic study in nine nondiabetic patients. Monga G, et al. **Nephron** 1990;56(1):73–80 (42 ref.)

Tubulointerstitial injury following glomerulonephritis. Yee J, et al. **Semin Nephrol** 1991 May;11(3):361–6 (48 ref.)

[Hepatitis B virus and primary glomerulonephritis] Liu ZH, et al. **Chung Hua Nei Ko Tsa Chih** 1990 Sep;29(9):522–5 (21 ref.) **(Chi)**

[Fetal and maternal risks in pregnant women with primitive chronic glomerulonephritis] Jungers P, et al. **Nephrologie** 1990;11(3):171–81 (149 ref.) **(Fre)**

[Glomerulonephritis and hepatitis B virus infection] Klingel R, et al. **Dtsch Med Wochenschr** 1990 Nov 23; 115(47):1803–8 (50 ref.) **(Ger)**

[Renal vasculitis: review of the literature and description of a clinical case] Cramarossa L, et al. **Ann Ital Med Int** 1988 Jul-Sep;3(3):220–4 (14 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

[Acute glomerulonephritis in children] Szumińska-Napiontek E, et al. **Wiad Lek** 1990 Aug 1–15;43(15–16):777–81 (27 ref.) **(Pol)**

DRUG THERAPY

Treatment of glomerulonephritis in the elderly. Donadio JV Jr. **Am J Kidney Dis** 1990 Oct;16(4):307–11 (20 ref.)

Prognostic impact of ACE inhibition in systemic lupus erythematosus, diabetes mellitus and chronic glomerulonephritis. Aurell M, et al. **Contrib Nephrol** 1990; 81:248–54 (17 ref.)

Steroid therapy in primary glomerulonephritis. Davison AM. **Nephrol Dial Transplant** 1990;5 Suppl 1:23–8 (31 ref.)

The use of antiplatelet agents in glomerulonephritis: a pharmacological approach. Patrono C, et al. **Nephrol Dial Transplant** 1990;5 Suppl 1:29–32 (22 ref.)

Alkylating agents and purine analogues in primary glomerulonephritis with nephrotic syndrome. Ponticelli C, et al. **Nephrol Dial Transplant** 1991;6(6):381–8 (68 ref.)

The treatment of glomerulonephritis in children. Haycock GB. **Pediatr Nephrol** 1988 Apr;2(2):247–55 (67 ref.)

ENZYMOLOGY

[Is local antiproteolytic failure the cause of a prolonged course in various forms of glomerulonephritis?] Kuźniar J, et al. **Wiad Lek** 1990 Jun 1;43(11):521–6 (68 ref.) (Eng. Abstr.) **(Pol)**

ETIOLOGY

Pathogenesis of glomerulonephritis: experimental models revisited. Hoedemaeker PJ, et al. **Adv Nephrol Necker Hosp** 1991;20:73–90 (100 ref.)

Role of platelet-activating factor in renal immune injury and proteinuria. Perico N, et al. **Am J Nephrol** 1990;10 Suppl 1:98–104 (48 ref.)

Cationic antigens as mediators of inflammation. Batsford SR. **APMIS** 1991 Jan;99(1):1–9 (54 ref.)

Hypothesis on the pathogenesis of post-streptococcal glomerulonephritis based on recent clinical and experimental research. Holm SE. **Int J Med Microbiol** 1990 Dec;274(3):325–32 (27 ref.)

The role of cationic proteins in the pathogenesis of immune complex glomerulonephritis. Vogt A, et al. **Nephrol Dial Transplant** 1990;5 Suppl 1:6–9 (34 ref.)

The biology of mesangial cells in glomerulonephritis. Veis JH, et al. **Proc Soc Exp Biol Med** 1990 Nov;195(2):160–7 (98 ref.)

Glomerular injury and proteolytic enzymes. Baricos WH, et al. **Semin Nephrol** 1991 May;11(3):327–31 (56 ref.)

Oxidant mechanisms in glomerulonephritis. Shah SV. **Semin Nephrol** 1991 May;11(3):320–6 (39 ref.)

Failure of two subsequent renal grafts by anti-GBM glomerulonephritis in Alport's syndrome: case report and review of the literature. Goldman M, et al. **Transpl Int** 1990 Jul;3(2):82–5 (13 ref.)

[Inflammatory kidney diseases: glomerulonephritis, interstitial and pyelonephritis] Schütterle G. **Verh Dtsch Ges Inn Med** 1990;96:77–85 (76 ref.) **(Ger)**

[Nephropathy in rheumatoid arthritis] Onetti Muda A, et al. **Pathologica** 1990 Nov-Dec;82(1082):617–26 (45 ref.) (Eng. Abstr.) **(Ita)**

[The role of cellular immunity in the pathogenesis of glomerulonephritis] Kacprzyk F, et al. **Postepy Hig Med Dosw** 1989;43(2–4):199–212 (82 ref.) (Eng. Abstr.) **(Pol)**

[Pathogenesis of diabetic nephroangiopathies] Spesivtseva VG, et al. **Klin Med (Mosk)** 1990 Jun;68(6):19–24 (66 ref.) **(Rus)**

[The participation of platelet-activating factor and cytokines in the pathogenesis of glomerular damage] Egido J, et al. **Rev Clin Esp** 1990 Jul-Aug;187(3):137–43 (69 ref.) **(Spa)**

IMMUNOLOGY

Immunotactoid glomerulopathy. Korbet SM, et al. **Am J Kidney Dis** 1991 Mar;17(3):247–57 (57 ref.)

Cell-mediated immunity in glomerular disease. Rovin BH, et al. **Annu Rev Med** 1991;42:25–33 (40 ref.)

Autoimmunity to lysosomal enzymes: new clues to vasculitis and glomerulonephritis? Kallenberg CG, et al. **Immunol Today** 1991 Feb;12(2):61–4 (42 ref.)

ANCA-associated renal disease [clinical conference] Falk RJ. **Kidney Int** 1990 Nov;38(5):998–1010 (69 ref.)

Arachidonic acid metabolites in glomerular immune injury. Badr KF. **Semin Nephrol** 1991 May;11(3):332–9 (75 ref.)

Mechanisms of glomerular injury: injury mediated by sensitized lymphocytes. Bolton WK. **Semin Nephrol** 1991 May;11(3):285–93 (60 ref.)

Platelets in inflammatory glomerular injury. Johnson RJ. **Semin Nephrol** 1991 May;11(3):276–84 (73 ref.)

Glomerular injury induced by antibody and complement. Quigg RJ. **Semin Nephrol** 1991 May;11(3):259–67 (89 ref.)

The role of the macrophage in glomerular injury. Schreiner GF. **Semin Nephrol** 1991 May;11(3):268–75 (95 ref.)

[Anti-basement-membrane antibody mediated, rapidly progressive, glomerulonephritis. Diagnostic and therapeutic strategy based on a retrospective study of 14 cases] Bouget J, et al. **Ann Med Interne (Paris)** 1990; 141(5):409–15 (86 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Transforming growth factor-beta 1 induces extracellular matrix formation in glomerulonephritis. Border WA, et al. **Cell Differ Dev** 1990 Dec 2;32(3):425–31 (32 ref.)

PATHOLOGY

Microlamellar structures in lobular glomerulonephritis associated with monoclonal IgG lambda paraproteinemia. A case report and review of the literature. Joh K, et al. **Acta Pathol Jpn** 1990 Dec;40(12):913–21 (17 ref.)

Resident glomerular cells in glomerular injury: mesangial cells. Abboud HE. **Semin Nephrol** 1991 May;11(3):304–11 (56 ref.)

Consequences of glomerular injury. Glomerular crescent formation. Holzman LB, et al. **Semin Nephrol** 1991 May; 11(3):346–53 (64 ref.)

Resident glomerular cells in glomerular injury: glomerular epithelial cells. Kasinath BS. **Semin Nephrol** 1991 May; 11(3):294–303 (125 ref.)

Resident glomerular cells in glomerular injury: endothelial cells. Savage CO, et al. **Semin Nephrol** 1991 May;

11(3):312–9 (90 ref.)
[Glomerulonephritis—morphologic study. I] Schwartz A. **Sb Lek** 1991 May;93(3–4):108–20 (47 ref.) (Eng. Abstr.) **(Cze)**

PHYSIOPATHOLOGY

Glomerular hemodynamic consequences of immune injury. Gabbai FB, et al. **Semin Nephrol** 1991 May;11(3):367–72 (34 ref.)

THERAPY

How can we treat glomerulonephritis? Cameron JS. **Nephrol Dial Transplant** 1990;5 Suppl 1:16–22 (34 ref.)

URINE

[Erythrocyturia and its mechanisms in kidney glomerular diseases] Dudar IO. **Vrach Delo** 1991 Apr;(4):21–6 (49 ref.) **(Ukr)**

GLOMERULONEPHRITIS, FOCAL SCLEROSING see **GLOMERULOSCLEROSIS, FOCAL**

GLOMERULONEPHRITIS, IGA

DIAGNOSIS

[IgA nephritis: a frequent form of glomerulonephritis in childhood] Lettgen B, et al. **Monatsschr Kinderheilkd** 1990 Nov;138(11):730–4 (34 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Current status of cyclosporin A in the treatment of membranous, IgA and membranoproliferative glomerulonephritis. Cattran DC. **Clin Nephrol** 1991;35 Suppl 1:S43–7 (10 ref.)
Meta-analysis of randomised controlled trials in patients with primary IgA nephropathy (Berger's disease). Schena FP, et al. **Nephrol Dial Transplant** 1990;5 Suppl 1:47–52 (23 ref.)

ETIOLOGY

IgA nephritis in Behçet's disease: case report and review of the literature. Akutsu Y, et al. **Clin Nephrol** 1990 Aug; 34(2):52–5 (26 ref.)
Immunoregulatory factors in the pathogenesis of IgA nephropathy [clinical conference] Emancipator SN. **Kidney Int** 1990 Dec;38(6):1216–29 (160 ref.)
Henoch–Schönlein syndrome and IgA nephropathy: a case report suggesting a common pathogenesis. Hughes FJ, et al. **Pediatr Nephrol** 1988 Oct;2(4):389–92 (40 ref.)
[Rheumatoid purpura and Berger's disease in the same patient. 2 cases] Cotton JB, et al. **Pediatrie** 1991;46(4):333–5 (15 ref.) (Eng. Abstr.) **(Fre)**
[IgA glomerulonephritis associated with pneumonia caused by Mycoplasma pneumonia (letter)] Molina M, et al. **Enferm Infecc Microbiol Clin** 1991 Feb;9(2):131–2 (7 ref.) **(Spa)**

GENETICS

Is Berger's disease a hereditary nephritis? Schena FP, et al. **Contrib Nephrol** 1990;80:118–25 (49 ref.)
Do genetic factors play a role in Berger's disease? Levy M. **Pediatr Nephrol** 1987 Jul;1(3):447–54 (97 ref.)

IMMUNOLOGY

[Antinuclear antibodies in IgA nephropathy, as well as mesangiocapillary and membranous glomerulonephritis] Nagy J, et al. **Orv Hetil** 1991 Mar 24;132(12):623–8 (41 ref.) (Eng. Abstr.) **(Hun)**

GLOMERULONEPHRITIS, LUPUS see **LUPUS NEPHRITIS**

GLOMERULONEPHRITIS, MEMBRANOPROLIFERATIVE

COMPLICATIONS

Membranoproliferative glomerulonephritis associated with sickle cell disease in two siblings. Iskandar SS, et al. **Clin Nephrol** 1991 Feb;35(2):47–51 (19 ref.)

DRUG THERAPY

Current status of cyclosporin A in the treatment of membranous, IgA and membranoproliferative glomerulonephritis. Cattran DC. **Clin Nephrol** 1991;35 Suppl 1:S43–7 (10 ref.)

IMMUNOLOGY

[Antinuclear antibodies in IgA nephropathy, as well as mesangiocapillary and membranous glomerulonephritis] Nagy J, et al. **Orv Hetil** 1991 Mar 24;132(12):623–8 (41 ref.) (Eng. Abstr.) **(Hun)**

PHYSIOPATHOLOGY

Role of TGF-beta 1 in experimental glomerulonephritis. Border WA, et al. **Ciba Found Symp** 1991;157:178–89; discussion 189–93 (32 ref.)

GLOMERULONEPHRITIS, MEMBRANOUS

[Membranous glomerulonephritis. Experience at the Instituto Nacional de la Nutrición Salvador Zubirán] Correa-Rotter R, et al. **Rev Invest Clin** 1990 Apr–Jun;42(2):114–9 (27 ref.) (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

[Extramembranous glomerulitis and acute interstitial nephritis after ingestion of diclofenac (letter)] Garrouste O, et al. **Ann Med Interne (Paris)** 1990;141(7):627–8 (15 ref.) **(Fre)**

COMPLICATIONS

Membranous nephropathy associated with giant lymph node hyperplasia. A case report with histological and ultrastructural studies. Ruggieri G, et al. **Am J Nephrol** 1990;10(4):323–8 (33 ref.)

DRUG THERAPY

A critical review of treatment for membranous nephropathy. Mathieson PW, et al. **Adv Nephrol Necker Hosp** 1991; 20:151–74 (101 ref.)
Current status of cyclosporin A in the treatment of membranous, IgA and membranoproliferative glomerulonephritis. Cattran DC. **Clin Nephrol** 1991;35 Suppl 1:S43–7 (10 ref.)
Conventional treatment of idiopathic nephrotic syndrome and membranous nephropathy in adults. Ponticelli C, et al. **Clin Nephrol** 1991;35 Suppl 1:S16–21 (49 ref.)
The therapy of idiopathic membranous glomerulonephritis. Glassock RJ. **Semin Nephrol** 1991 Mar;11(2):138–47 (56 ref.)

ETIOLOGY

The natural history and therapy of idiopathic membranous nephropathy. Ponticelli C, et al. **Nephrol Dial Transplant** 1990;5 Suppl 1:37–41 (28 ref.)
[Secondary membranous glomerulonephritis] Mohácsi G, et al. **Orv Hetil** 1991 Jan 20;132(3):115–9 (32 ref.) (Eng. Abstr.) **(Hun)**
[Etiopathogenesis of membranous nephropathy: is there a correlation between experimental and human pathology?] Allegri L, et al. **Ann Ital Med Int** 1989 Oct–Dec;4(4):386–95 (50 ref.) (Eng. Abstr.) **(Ita)**
[A case of polymyositis complicated with membranous nephritis] Hara I, et al. **Nippon Naika Gakkai Zasshi** 1991 Jan 10;80(1):108–9 (5 ref.) **(Jpn)**

IMMUNOLOGY

[Antinuclear antibodies in IgA nephropathy, as well as mesangiocapillary and membranous glomerulonephritis] Nagy J, et al. **Orv Hetil** 1991 Mar 24;132(12):623–8 (41 ref.) (Eng. Abstr.) **(Hun)**

GLOMERULONEPHRITIS, MESANGIOCAPILLARY see **GLOMERULONEPHRITIS, MEMBRANOPROLIFERATIVE**

GLOMERULONEPHRITIS, MINIMAL CHANGE see **NEPHROSIS, LIPOID**

GLOMERULOSCLEROSIS, DIABETIC see **DIABETIC NEPHROPATHIES**

GLOMERULOSCLEROSIS, FOCAL

COMPLICATIONS

HIV-associated nephropathy: report of a case and review of the literature. Josselson J. **Md Med J** 1991 Mar; 40(3):191–4 (44 ref.)

DRUG THERAPY

Ciclosporin in minimal-change glomerulopathy and in focal segmental glomerular sclerosis. Ponticelli C, et al. **Am J Nephrol** 1990;10 Suppl 1:105–9 (39 ref.)
Conventional treatment of idiopathic nephrotic syndrome and membranous nephropathy in adults. Ponticelli C, et al. **Clin Nephrol** 1991;35 Suppl 1:S16–21 (49 ref.)

ETIOLOGY

Hyperlipidemia and glomerular sclerosis: an alternative viewpoint. Anderson S, et al. **Am J Med** 1989 Nov; 87(5N):34N–38N (58 ref.)
Hypertension and glomerular sclerosis: where, when and how? el Nahas AM. **Contrib Nephrol** 1990;78:61–70; discussion 70–2 (50 ref.)
Pathways leading from glomerular injury to glomerulosclerosis. Schreiner GF. **Contrib Nephrol** 1990; 86:1–14; discussion 15–8 (50 ref.)

GENETICS

Genetic differences in susceptibility to glomerular sclerosis: a role for lipids? Grond J, et al. **Am J Med** 1989 Nov; 87(5N):30N–33N (20 ref.)

PATHOLOGY

Similarities between glomerular sclerosis and atherosclerosis in human renal biopsy specimens: a role for lipoprotein glomerulopathy. Avram MM. **Am J Med** 1989 Nov; 87(5N):39N–41N (23 ref.)
Mesangial cell injury, glomerulosclerosis, and therapeutic intervention. Grond J, et al. **Contrib Nephrol** 1990; 81:229–39 (58 ref.)
Analogous pathobiologic mechanisms in glomerulosclerosis and atherosclerosis. Diamond JR. **Kidney Int Suppl** 1991 Apr;31:S29–34 (39 ref.)
Ideas in pathology. Focal and segmental glomerulosclerosis. Magil AB. **Mod Pathol** 1991 May;4(3):383–91 (133 ref.)
Sclerosis: a glomerular response to injury. Killen PD. **Semin Nephrol** 1991 May;11(3):354–60 (68 ref.)

PHYSIOPATHOLOGY

The role of altered lipid metabolism in the progression of renal disease: experimental evidence. Keane WF, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):38–42 (37 ref.)
Hyperlipidemia and progressive renal disease. Keane WF, et al. **Kidney Int Suppl** 1991 Apr;31:S41–8 (81 ref.)
Ideas in pathology. Focal and segmental glomerulosclerosis. Magil AB. **Mod Pathol** 1991 May;4(3):383–91 (133 ref.)

GLOMUS CAROTICUM see **CAROTID BODY**

GLOMUS JUGULARE TUMOR

DIAGNOSIS

Myeloma manifesting as a large jugular tumor: case report. Miyachi S, et al. **Neurosurgery** 1990 Dec;27(6):971–7 (44 ref.)

GLOSSALGIA

ETIOLOGY

The aetiology and management of glossodynia. Murty GE, et al. **Br J Clin Pract** 1990 Oct;44(10):389–92 (39 ref.)

GLOSSINA see **TSETSE FLIES**

GLOSSITIS

DIAGNOSIS

[Virus diseases of the mouth mucosa] Nasemann T. **Arch Otorhinolaryngol** 1976;213(1):333–62 (17 ref.) (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Acute glossitis and bacteremia caused by Streptococcus pneumoniae: case report and review [letter] Stoddard JJ, et al. **Am J Dis Child** 1991 Jun;145(6):598–9 (5 ref.)

GLOSSODYNIA see **GLOSSALGIA**

GLOSSOPHARYNGEAL NERVE

Glossopharyngeal schwannoma: review of five cases and the literature. Sweasey TA, et al. **Surg Neurol** 1991 Feb; 35(2):127–30 (17 ref.)
[Idiopathic neuralgia of the glossopharyngeal nerve. Study of a series of 14 cases and review of the literature] Sindou M, et al. **Neurochirurgie** 1991;37(1):18–25 (22 ref.) (Eng. Abstr.) **(Fre)**
[Glossopharyngeal neuralgia] Ratis G, et al. **Minerva Stomatol** 1990 Sep;39(9):755–8 (25 ref.) (Eng. Abstr.) **(Ita)**

GLOTTIS

Clinical aspects of the posterior glottis: a review. McIlwain JC. **J Otolaryngol** 1991 Apr;20(2):74–87 (174 ref.)
Deciding on optimal management of supraglottic carcinoma. Wang CC, et al. **Oncology (Williston Park)** 1991 Apr; 5(4):41–6; discussion 46, 49, 53 (22 ref.)

ANATOMY & HISTOLOGY

The posterior glottis. McIlwain JC. **J Otolaryngol** 1991 Jun; 20 Suppl 2:1–24 (102 ref.)

GLOVES, SURGICAL

Starch peritonitis. A case report and clinicopathologic review. Klink B, et al. **Am Surg** 1990 Nov;56(11):672–4 (19 ref.)
Management of allergic contact dermatitis due to rubber gloves in health and hospital personnel. Fisher AA. **Cutis** 1991 May;47(5):301–2 (12 ref.)
Contact dermatoses from disposable glove use: a review. Maso MJ, et al. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 1):733–7 (58 ref.)
The hazards of surgical glove dusting powders. Ellis H. **Surg Gynecol Obstet** 1990 Dec;171(6):521–7 (89 ref.)
[Importance of choosing suitable gloves for good protective effect. Disinfectants cause eczema and contact urticaria among health personnel] Fischer T, et al. **Lakartidningen** 1991 Mar 20;88(12):1077, 1079–80 (15 ref.)

(Swe)

UTILIZATION

The role of barrier precautions in infection control. Goldmann DA. **J Hosp Infect** 1991 Jun;18 Suppl A:515–23 (26 ref.)

GLUCAGON

ANALOGS & DERIVATIVES

[Post-translational maturation of peptides of the glucagon family. Relationship with their mode of action] Bataille D. **Ann Endocrinol (Paris)** 1990;51(3–4):101–7 (27 ref.) (Eng. Abstr.) (Fre)

METABOLISM

Importance of glucagon for nitrogen loss in diabetes--via an accelerated hepatic conversion of amino nitrogen to urea nitrogen. Almdal TP. **Dan Med Bull** 1991 Apr;38(2):113–20 (101 ref.)

PHYSIOLOGY

Positive and negative regulation of gene expression by insulin and glucagon: the model of L-type pyruvate kinase gene. Raymondjean M, et al. **Biochimie** 1991 Jan;73(1):41–5 (20 ref.)

The insulin-antagonistic effect of the counterregulatory hormones. Lager I. **J Intern Med Suppl** 1991;735:41–7 (52 ref.)

Pancreatic glucagon signals postprandial satiety. Geary N. **Neurosci Biobehav Rev** 1990 Fall;14(3):323–38 (213 ref.)

SECRETION

Regulation of glucagon release from pancreatic A-cells. Rorsman P, et al. **Biochem Pharmacol** 1991 Jun 15; 41(12):1783–90 (39 ref.)

[Gastrin, insulin and glucagon secretion after cimetidine and sodium hydrocarbonate intake in patients with duodenal ulcer] Valenkevich LN, et al. **Klin Med (Mosk)** 1991 Mar; 69(3):91–3 (22 ref.) (Eng. Abstr.) (Rus)

GLUCAN 1,4-ALPHA-GLUCOSIDASE

GENETICS

The glucoamylase multigene family in Saccharomyces cerevisiae var. diastaticus: an overview. Pretorius IS, et al. **Crit Rev Biochem Mol Biol** 1991;26(1):53–76 (135 ref.)

GLUCAN PHOSPHORYLASE see **GLYCOGEN PHOSPHORYLASE**

GLUCANS

Physicochemical properties and physiological effects of the (1——3)(1——4)-beta-D-glucan from oats. Wood PJ. **Adv Exp Med Biol** 1990;270:119–27 (27 ref.)

ANALYSIS

Cytochemical localization of beta-(1——4)-D-glucans in plant and fungal cells using an exoglucanase-gold complex. Benhamou N. **Electron Microsc Rev** 1989;2(1):123–38 (78 ref.)

METABOLISM

[Structure and various characteristics of yeast beta-D-glucans] Shandula I, et al. **Vopr Med Khim** 1990 Nov-Dec;36(6):39–42 (19 ref.) (Eng. Abstr.) (Rus)

GLUCARIC ACID

ANALOGS & DERIVATIVES

Potential use of D-glucaric acid derivatives in cancer prevention. Walaszek Z. **Cancer Lett** 1990 Oct 8; 54(1–2):1–8 (49 ref.)

GLUCITOL see **SORBITOL**

GLUCOAMYLASE see **GLUCAN 1,4-ALPHA-GLUCOSIDASE**

GLUCOCORTICOID ANALOGS see **GLUCOCORTICOIDS, SYNTHETIC**

GLUCOCORTICOID RECEPTORS see **RECEPTORS, GLUCOCORTICOID**

GLUCOCORTICOIDS

Adrenal glucocorticoids after twenty years. A review of their clinically relevant consequences. David DS, et al. **J Chronic Dis** 1970 Mar;22(10):637–711 (848 ref.)

ADMINISTRATION & DOSAGE

[Theory and practice with inhalation steroids--systemic effects and side effects] Morr H. **Pneumologie** 1991 Mar; 45(3):85–9 (58 ref.) (Ger)

[Progress, theory and practice of glucocorticoid therapy] Miura K. **Nippon Naika Gakkai Zasshi** 1991 Mar 10; 80(3):350–3 (7 ref.) (Jpn)

ADVERSE EFFECTS

Adverse neurologic effects of glucocorticosteroids. Lacomis D, et al. **J Gen Intern Med** 1991 Jul-Aug;6(4):367–77 (104 ref.)

DEFICIENCY

[Simultaneous occurrence of selective ACTH deficiency , achalasia, alacrimia and hyperlipoproteinemia] Várkonyi A, et al. **Orv Hetil** 1990 Dec 16;131(50):2763–6 (26 ref.) (Eng. Abstr.) (Hun)

METABOLISM

Cellular mechanisms underlying the development and expression of individual differences in the hypothalamic-pituitary-adrenal stress response. Meaney MJ, et al. **J Steroid Biochem Mol Biol** 1991 Aug; 39(2):265–74 (90 ref.)

PHARMACOLOGY

Glucocorticoids and gene expression. Venkatesh VC, et al. **Am J Respir Cell Mol Biol** 1991 Apr;4(4):301–3 (12 ref.)

Mechanisms of action, dosage schedules, and side effects of steroid therapy. Kimberly RP. **Curr Opin Rheumatol** 1991 Jun;3(3):373–9 (68 ref.)

The 5-HT receptor--G-protein--effector system complex in depression. I. Effect of glucocorticoids. Lesch KP, et al. **J Neural Transm Gen Sect** 1991;84(1–2):3–18 (89 ref.)

Glucocorticoids, hippocampal damage and the glutamatergic synapse. Sapolsky RM. **Prog Brain Res** 1990;86:13–23 (81 ref.)

Inhibition of the induction of nitric oxide synthase by glucocorticoids: yet another explanation for their anti-inflammatory effects? Moncada S, et al. **Trends Pharmacol Sci** 1991 Apr;12(4):130–1 (6 ref.)

PHYSIOLOGY

Cytokines and glucocorticoids in the regulation of the "hepato-skeletal muscle axis" in sepsis. Fischer JE, et al. **Am J Surg** 1991 Feb;161(2):266–71 (30 ref.)

Developmental and hormonal regulation of gene expression in oligodendrocytes. de Vellis J. **Ann N Y Acad Sci** 1990; 605:81–9 (26 ref.)

Glucocorticoids in blood pressure regulation. Grünfeld JP. **Horm Res** 1990;34(3–4):111–3 (10 ref.)

[Glucocorticoid receptors in physiological states and in extreme conditions] Vorob'ev DV, et al. **Kosm Biol Aviakosm Med** 1990 Nov-Dec;24(6):4–11 (92 ref.) (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Epidemiology of obstruction, exacerbations and hyperreactivity. Effects of glucocorticosteroids and other anti-inflammatory treatment. Pride NB. **Agents Actions Suppl** 1990;30:59–72 (19 ref.)

Glucocorticoid therapy in hyperandrogenism. Steinberger E, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):457–71 (55 ref.)

Two uncommon causes of mineralocorticoid excess. Syndrome of apparent mineralocorticoid excess and glucocorticoid-remediable aldosteronism. Ulick S. **Endocrinol Metab Clin North Am** 1991 Jun;20(2):269–76 (37 ref.)

Prevention and treatment of fetal lung immaturity. Cosmi EV, et al. **Fetal Ther** 1989;4 Suppl 1:52–62 (49 ref.)

Glucocorticoid therapy for asthma: clinical pharmacology. Szefler SJ. **J Allergy Clin Immunol** 1991 Aug;88(2):147–65 (111 ref.)

Glucocorticoids in clinical practice. Holland EG, et al. **J Fam Pract** 1991 May;32(5):512–9 (18 ref.)

Glucocorticoid therapy for severe Pneumocystis carinii pneumonia. Miller RF, et al. **J Infect** 1990 Sep;21(2):131–7 (29 ref.)

[Diagnosis and therapy of adrenal cortex insufficiency] Späth-Schwalbe E, et al. **Dtsch Med Wochenschr** 1990 Nov 16;115(46):1758–61 (22 ref.) (Ger)

GLUCOCORTICOIDS, SYNTHETIC

see related
ANTI-INFLAMMATORY AGENTS
ANTI-INFLAMMATORY AGENTS, STEROIDAL

ADMINISTRATION & DOSAGE

Corticosteroid inhalation in the treatment of childhood asthma. Munasir Z, et al. **Paediatr Indones** 1990 Sep-Oct; 30(9–10):270–80 (75 ref.)

ADVERSE EFFECTS

[Severe anaphylactoid reactions after intravenous corticosteroids. Report of a case and review of the literature] Laine-Cessac P, et al. **Therapie** 1990 Nov-Dec; 45(6):505–8 (17 ref.) (Eng. Abstr.) (Fre)

[Possible complications of drug-induced asthma therapy] Schreiber J, et al. **Z Arztl Fortbild (Jena)** 1991 Apr 10; 85(7):309–12 (9 ref.) (Ger)

PHARMACOLOGY

Pharmacologic roles of heparin and glucocorticoids to prevent restenosis after coronary angioplasty. Berk BC, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):111B–117B (51 ref.)

GLUCOCORTICOIDS, TOPICAL

The inflammatory basis of rhinitis. Pipkorn U. **Rhinol Suppl** 1991;11:5–11 (23 ref.)

ADMINISTRATION & DOSAGE

[Inhaled glucocorticoids in the treatment of patients with bronchial asthma] Molostova TN. **Ter Arkh** 1991; 63(3):143–7 (127 ref.) (Rus)

PHARMACOLOGY

The effects of topical corticosteroids on human skin. Chan HL. **Ann Acad Med Singapore** 1991 Jan;20(1):133–8 (49 ref.)

[Clinical and experimental study of glucocorticosteroids] Takeda K. **Nippon Hifuka Gakkai Zasshi** 1990 Nov; 100(13):1297–310 (34 ref.) (Jpn)

THERAPEUTIC USE

Topical corticosteroids in inflammatory bowel disease. Mulder CJ, et al. **Neth J Med** 1989 Jun;35 Suppl 1:S27–34 (36 ref.)

GLUCOKINASE

GENETICS

Hormonal regulation of liver phosphoenolpyruvate carboxykinase and glucokinase gene expression at weaning in the rat. Girard J, et al. **Biochimie** 1991 Jan;73(1):71–6 (36 ref.)

GLUCONEOGENESIS

Mechanisms of blood glucose homeostasis. Hers HG. **J Inherited Metab Dis** 1990;13(4):395–410 (25 ref.)

[Hyperthyroidism and glucose metabolism] Laville M, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:55–66 (64 ref.) (Fre)

PHYSIOLOGY

Hepatic gluconeogenesis/glycolysis: regulation and structure/function relationships of substrate cycle enzymes. Pilkis SJ, et al. **Annu Rev Nutr** 1991;11:465–515 (243 ref.)

Cori cycle contribution to plasma glucose appearance in man. Hoffer LJ. **JPEN J Parenter Enteral Nutr** 1990 Nov-Dec; 14(6):646–8 (29 ref.)

GLUCOSACCHARIC ACID see **GLUCARIC ACID**

GLUCOSAMINE

[Glucosamine sulfate] Passiu G. **Ann Ital Med Int** 1988 Jan-Mar;3(1):60–3 (13 ref.) (Ita)

ANALOGS & DERIVATIVES

[Inhibitors of alpha-glucosidase] Toeller M. **Journ Annu Diabetol Hotel Dieu** 1991;:203–12 (13 ref.) (Fre)

METABOLISM

In vivo phosphorus NMR studies of the hepatic metabolism of amino sugars. London RE, et al. **Basic Life Sci** 1990; 56:349–60 (22 ref.)

GLUCOSE

ADMINISTRATION & DOSAGE

Glucose polymers as an alternative to glucose in oral rehydration solutions. Lebenthal E, et al. **J Pediatr** 1991 Apr;118(4 (Pt 2)):S62–9 (51 ref.)

The response of the portal vein to an oral glucose load. Goldberg RE, et al. **JCU** 1990 Nov-Dec;18(9):691–5 (16 ref.)

ANALOGS & DERIVATIVES

[Mechanism of action and applications for glucose analogs] Torlińska T. **Postepy Hig Med Dosw** 1990;44(4–6):299–325 (100 ref.) (Eng. Abstr.) (Pol)

ANALYSIS

Analytical aspects of internal signal processing in biosensors. Scheller FW, et al. **Ann N Y Acad Sci** 1990;613:68–78 (18 ref.)

Mixed salivary glucose levels and candidal carriage in patients with diabetes mellitus. Darwazeh AM, et al. **J Oral Pathol Med** 1991 Jul;20(6):280–3 (26 ref.)

CHEMISTRY

The Maillard reaction in vivo. Dyer DG, et al. **Z Ernahrungswiss** 1991 Feb;30(1):29–45 (38 ref.)

METABOLISM

Role of liver in the pathogenesis of type II diabetes. Gerich JE. **Adv Second Messenger Phosphoprotein Res** 1990; 24:507–10 (13 ref.)

Insulin resistance in type II diabetes mellitus. Rizza R, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:511–6 (33 ref.)

Brain glucose and energy metabolism during normal aging. Hoyer S. **Aging (Milano)** 1990 Sep;2(3):245–58 (140 ref.)

Glucose homeostasis and hypothalamic–pituitary–adrenocortical axis during development in rats. Widmaier EP. **Am J Physiol** 1990 Nov;259(5 Pt 1):E601–13 (131 ref.)

Brain–behavior relationships in aphasia studied by positron emission tomography. Metter EJ. **Ann N Y Acad Sci** 1991; 620:153–64 (49 ref.)

Aspects of the regulation of glucose transport in insulin-sensitive tissues in normal conditions and in type-2 diabetes. Cusin I, et al. **Biochem Soc Trans** 1990 Dec; 18(6):1127–30 (24 ref.)

Glucose transporters: structure, function, and regulation. Assimacopoulos-Jeannet F, et al. **Biochimie** 1991 Jan; 73(1):67–70 (14 ref.)

Impaired glucose tolerance. Yudkin JS, et al. **BMJ** 1990 Sep 1;301(6749):397–402 (77 ref.)

Effect of physical activity on age-related glucose intolerance. Laws A, et al. **Clin Geriatr Med** 1990 Nov;6(4):849–63 (72 ref.)

Glucose metabolism in non-diabetic and insulin-dependent diabetic subjects with end-stage renal failure. Schmitz O. **Dan Med Bull** 1991 Feb;38(1):36–52 (209 ref.)

Family of glucose-transporter genes. Implications for glucose homeostasis and diabetes. Mueckler M. **Diabetes** 1990 Jan; 39(1):6–11 (62 ref.)

Effect of antihypertensive drugs on insulin, glucose, and lipid metabolism. Lithell HO. **Diabetes Care** 1991 Mar; 14(3):203–9 (35 ref.)

Will sulfonylurea treatment of impaired glucose tolerance delay development and complications of NIDDM? Melander A, et al. **Diabetes Care** 1990 Aug;13 Suppl 3:53–8 (35 ref.)

Magnesium and glucose homeostasis. Paolisso G, et al. **Diabetologia** 1990 Sep;33(9):511–4 (41 ref.)

Acute and chronic effects of hyperglycaemia on glucose metabolism. Yki-Järvinen H. **Diabetologia** 1990 Oct; 33(10):579–85 (57 ref.)

Effects of drugs on glucose tolerance in non-insulin-dependent diabetics (Part II). O'Byrne S, et al. **Drugs** 1990 Aug;40(2):203–19 (265 ref.)

Principles of the 2-deoxyglucose method for the determination of the local cerebral glucose utilization. Wree A. **Eur J Morphol** 1990;28(2–4):132–8 (37 ref.)

The role of the transcapillary insulin transport in the efficiency of insulin action: studies with glucose clamps and the minimal model. Bergman RN, et al. **Horm Metab Res Suppl** 1990;24:49–56 (34 ref.)

Practical application of methods for in vivo assessment of insulin secretion and action. Best JD, et al. **Horm Metab Res Suppl** 1990;24:60–6 (31 ref.)

Impact of activated glucose counterregulation on insulin requirements in insulin-dependent diabetes mellitus. Bolli GB, et al. **Horm Metab Res Suppl** 1990;24:87–96 (43 ref.)

Choice and use of tracers. Butler P, et al. **Horm Metab Res Suppl** 1990;24:20–5 (36 ref.)

Modeling glucose metabolism in man: theory and practice. Cobelli C, et al. **Horm Metab Res Suppl** 1990;24:1–10 (39 ref.)

Tracer studies of in vivo insulin action and glucose metabolism in individual peripheral tissues. Kraegen EW, et al. **Horm Metab Res Suppl** 1990;24:41–8 (52 ref.)

Tracer studies of liver metabolism. Radziuk J. **Horm Metab Res Suppl** 1990;24:31–40 (44 ref.)

Application of structural model of glucose-insulin relations to assess beta-cell function and insulin sensitivity. Turner RC, et al. **Horm Metab Res Suppl** 1990;24:66–71 (9 ref.)

Ischaemic and metabolic treatment of hepatic tumours. Ahrén B, et al. **HPB Surg** 1988 Sep;1(1):3–14 (67 ref.)

Lactography as an approach to monitor glucose metabolism on-line in brain and muscle. Korf J, et al. **Int J Biochem** 1990;22(12):1371–8 (49 ref.)

Control of glucose metabolism in the perinatal period. Jones CT. **J Dev Physiol** 1991 Feb;15(2):81–9 (49 ref.)

Substrate interactions in the development of insulin resistance in type II diabetes and obesity. Sugden MC, et al. **J Endocrinol** 1990 Nov;127(2):187–90 (26 ref.)

Metabolic effects of ACE inhibitors. Berne C. **J Intern Med Suppl** 1991;735:119–25 (48 ref.)

Regulation of glucose metabolism in man. Cryer PE. **J Intern Med Suppl** 1991;735:31–9 (45 ref.)

Effects of antihypertensive therapy on glucose tolerance: focus on calcium antagonists. Hedner T, et al. **J Intern Med Suppl** 1991;735:101–11 (87 ref.)

Hypertension in glucose intolerance and diabetes. Jarrett RJ. **J Intern Med Suppl** 1991;735:85–8 (29 ref.)

Stable isotope tracers for studies of glucose metabolism. Kalhan SC. **J Lab Clin Med** 1990 Nov;116(5):615–22 (37 ref.)

Factors which regulate net hepatic glucose uptake in vivo. Cherrington AD, et al. **JPEN J Parenter Enteral Nutr** 1991 May–Jun;15(3):71S–73S (15 ref.)

Cori cycle contribution to plasma glucose appearance in man. Hoffer LJ. **JPEN J Parenter Enteral Nutr** 1990 Nov–Dec; 14(6):646–8 (29 ref.)

Glucose metabolism, second messengers and insulin secretion. Laychock SG. **Life Sci** 1990;47(25):2307–16 (20 ref.)

Glucose-induced or postprandial hyperinsulinemia in mild essential hypertension—an underestimated biochemical risk indicator? Singer P, et al. **Med Hypotheses** 1991 Feb; 34(2):157–64 (77 ref.)

Glucose repression: a complex regulatory system in yeast. Entian KD. **Microbiol Sci** 1986 Dec;3(12):366–71 (65 ref.)

Endocrine control of glucose homeostasis in mammals: food for thought. Widmaier EP. **Mol Cell Endocrinol** 1991 Jan; 75(1):C1–6 (45 ref.)

Nodular glomerulosclerosis in a patient showing impaired glucose tolerance. Yoshida A, et al. **Nippon Jinzo Gakkai Shi** 1990 Aug;32(8):877–84 (22 ref.)

Pathomechanisms of the cerebral and myocardial glucose metabolism. Knapp WH. **Nuklearmedizin** 1990 Dec; 29(6):236–45 (129 ref.)

Coupling of energy to glucose transport by the bacterial phosphotransferase system. Erni B. **Res Microbiol** 1990 Mar–Apr;141(3):360–4 (17 ref.)

Brain regions involved in voluntary movements as revealed by radioisotopic mapping of CBF or CMR-glucose changes. Lassen NA, et al. **Rev Neurol (Paris)** 1990; 146(10):620–5 (32 ref.)

Diabetic hyperglycemia: link to impaired glucose transport in pancreatic beta cells. Unger RH. **Science** 1991 Mar 8; 251(4998):1200–5 (50 ref.)

Glucose metabolism and the kidney. Castellino P, et al. **Semin Nephrol** 1990 Sep;10(5):458–63 (45 ref.)

Effects of omega 3 fatty acids on glucose and lipid metabolism in non-insulin-dependent diabetes mellitus. Vessby B. **World Rev Nutr Diet** 1991;66:407–16 (22 ref.)

[Physiopathologic aspects of gestational diabetes] Botta RM. **Ann Ital Med Int** 1988 Jan–Mar;3(1):48–53 (23 ref.) (Eng. Abstr.) **(Ita)**

[Hypophyseal tumors and diabetes mellitus. Hypothalamus–hypophyseal correlations and glucose metabolism] Blasi C, et al. **Minerva Endocrinol** 1990 Jul–Sep;15(3):163–8 (43 ref.) (Eng. Abstr.) **(Ita)**

[Measurement of cerebral glucose metabolism using 11C-labeled glucose] Ishiwata K. **Nippon Rinsho** 1991 Jul; 49(7):1509–14 (22 ref.) **(Jpn)**

[New data on the regulation of glucose transport to skeletal muscle cells] Krawczuk I, et al. **Pol Tyg Lek** 1990 May 7–14;45(19–20):401–4 (50 ref.) **(Pol)**

[Effect of beta-adrenergic blockade on glucose homeostasis in insulin-induced hypoglycemia during physiological processes in diabetes mellitus] Szelachowska M. **Pol Tyg Lek** 1990 May 7–14;45(19–20):397–400 (49 ref.) **(Pol)**

PHARMACOKINETICS

Is there a role for lymph in intestinal glucose absorption? Argilés JM, et al. **Med Hypotheses** 1990 Nov;33(3):169–71 (18 ref.)

Facilitated diffusion of glucose. Carruthers A. **Physiol Rev** 1990 Oct;70(4):1135–76 (290 ref.)

PHARMACOLOGY

Alternate use of amino acid and glucose solutions in CAPD. A review. Pedersen FB. **Contrib Nephrol** 1991;89:147–54 (24 ref.)

[Mechanism of action and applications for glucose analogs] Torlińska T. **Postepy Hig Med Dosw** 1990;44(4–6):299–325 (100 ref.) (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Hyperthermia and hyperglycemia in the tumors therapy. Osinsky S, et al. **Adv Exp Med Biol** 1990;267:457–62 (8 ref.)

Procedures for improving therapeutic gain. Osinsky S, et al. **Adv Exp Med Biol** 1990;267:251–70 (27 ref.)

Enhancing thermoradiotherapy efficacy by hyperglycemia. Yarmonenko SP, et al. **Adv Exp Med Biol** 1990;267:463–70 (5 ref.)

TOXICITY

Protein glycation and oxidative stress in diabetes mellitus and ageing. Wolff SP, et al. **Free Radic Biol Med** 1991; 10(5):339–52 (103 ref.)

GLUCOSE, BLOOD see **BLOOD GLUCOSE**

GLUCOSE CLAMP TECHNIQUE

The role of the transcapillary insulin transport in the efficiency of insulin action: studies with glucose clamps and the minimal model. Bergman RN, et al. **Horm Metab Res Suppl** 1990;24:49–56 (34 ref.)

GLUCOSE CLAMPING see **GLUCOSE CLAMP TECHNIQUE**

GLUCOSE DEHYDROGENASES

METABOLISM

PQQ-linked enzymes in enteric bacteria. Neijssel OM. **Microbiol Sci** 1987 Mar;4(3):87–90 (16 ref.)

GLUCOSE OXIDOREDUCTASES see **GLUCOSE DEHYDROGENASES**

GLUCOSE-6-PHOSPHATASE DEFICIENCY see **GLYCOGEN STORAGE DISEASE TYPE I**

GLUCOSE-6-PHOSPHATE DEHYDROGENASE see **GLUCOSEPHOSPHATE DEHYDROGENASE**

GLUCOSE-SODIUM TRANSPORT SYSTEM see **MONOSACCHARIDE TRANSPORT PROTEINS**

GLUCOSE TOLERANCE TEST

Review: deterioration of glucose tolerance with age: the role of insulin resistance. Broughton DL, et al. **Age Ageing** 1991 May;20(3):221–5 (37 ref.)

Impaired glucose tolerance. Yudkin JS, et al. **BMJ** 1990 Sep 1;301(6749):397–402 (77 ref.)

GLUCOSE TRANSPORT PROTEIN see **MONOSACCHARIDE TRANSPORT PROTEINS**

GLUCOSEPHOSPHATASE

METABOLISM

The molecular basis of the hepatic microsomal glucose-6-phosphatase system. Burchell A, et al. **Biochim Biophys Acta** 1991 Apr 17;1092(2):129–37 (73 ref.)

GLUCOSEPHOSPHATASE DEFICIENCY see **GLYCOGEN STORAGE DISEASE TYPE I**

GLUCOSEPHOSPHATE DEHYDROGENASE

GENETICS

The erythroenzymopathies. With particular reference to glucose-6-phosphate dehydrogenase deficiency and favism. Carcassi U, et al. **Ann Ital Med Int** 1988;3 Suppl 1:23–30 (20 ref.)

[Myelodysplastic syndromes] Meyer S, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1990;127(1):29–33 (19 ref.) **(Fre)**

GLUCOSEPHOSPHATE DEHYDROGENASE DEFICIENCY

Glucose-6-phosphate dehydrogenase deficiency [see comments] Beutler E. **N Engl J Med** 1991 Jan 17; 324(3):169–74 (85 ref.) Comment in: N Engl J Med 1991 Jun 13;324(24):1742–3.

DRUG THERAPY

Hemolytic reactions to nitrofurantoin in patients with glucose-6-phosphate dehydrogenase deficiency: theory and practice. Gait JE. **DICP** 1990 Dec;24(12):1210–3 (10 ref.)

ENZYMOLOGY

The erythroenzymopathies. With particular reference to glucose-6-phosphate dehydrogenase deficiency and favism. Carcassi U, et al. **Ann Ital Med Int** 1988;3 Suppl 1:23–30 (20 ref.)

GLUCOSIDURONATES see **GLUCURONATES**

GLUCURONATES

ANALYSIS

Quantification of steroid conjugates using fast atom bombardment mass spectrometry. Gaskell SJ. **Steroids** 1990 Oct;55(10):458–62 (21 ref.)

BLOOD

[Age-related changes in plasma androstanediol glucuronide in men] Nahoul K, et al. **Pathol Biol (Paris)** 1990 Nov; 38(9):928–34 (47 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Is glucuronidation truly preserved in patients with liver disease? Hoyumpa AM, et al. **Hepatology** 1991 Apr; 13(4):786–95 (118 ref.)

GLUCURONIDASE

PHYSIOLOGY

[The role of beta-glucuronidase in the tumor process and cancer prevention] Vlasov NN, et al. **Vopr Onkol** 1990; 36(9):1037–44 (67 ref.) **(Rus)**

GLUCURONIDES see **GLUCURONATES**

D-GLUCURONOLACTONE DEHYDROGENASE see **ALDEHYDE DEHYDROGENASE**

GLUCURONYLTRANSFERASE see **UDP GLUCURONOSYLTRANSFERASE**

GLUE SNIFFING see **SUBSTANCE USE DISORDERS**

GLUES see **ADHESIVES**

GLUTAMATE CARBOXY-LYASE see **GLUTAMATE DECARBOXYLASE**

GLUTAMATE DECARBOXYLASE

ANTAGONISTS & INHIBITORS

Action of inhibitors on brain glutamate decarboxylase. Tunnicliff G. **Int J Biochem** 1990;22(11):1235–41 (75 ref.)

IMMUNOLOGY

Stiff-person syndrome: an autoimmune disease. Blum P, et al. **Mov Disord** 1991;6(1):12–20 (40 ref.)

GLUTAMATES

BIOSYNTHESIS

Synthesis of transmitter glutamate and the glial–neuron interrelationship. Torgner I, et al. **Mol Chem Neuropathol** 1990 Jan;12(1):11–7 (35 ref.)

METABOLISM

Evidence for glutamate receptor subtypes from in vivo electrophysiology: studies with HA–966, quinoxalinediones and philanthotoxin. Lodge D, et al. **Adv Exp Med Biol** 1990;268:101–8 (34 ref.)

Treatment of Alzheimer's disease. Molecular pathology versus neurotransmitter-based therapy. Bowen DM. **Br J Psychiatry** 1990 Sep;157:327–30 (21 ref.)

Massive increases in extracellular potassium and the indiscriminate release of glutamate following concussive brain injury. Katayama Y, et al. **J Neurosurg** 1990 Dec; 73(6):889–900 (85 ref.)

Interrelationship between glutamate and membrane-bound ATPases in nerve cells. Torgner I, et al. **Mol Chem Neuropathol** 1990 Jan;12(1):19–25 (28 ref.)

Biochemical considerations in 1H spectroscopy. Glutamate and glutamine; myo–inositol and related metabolites. Ross BD. **NMR Biomed** 1991 Apr;4(2):59–63 (12 ref.)

Depolarization induced neuronal release of taurine in relation to synaptic transmission: comparison with GABA and glutamate. Schousboe A, et al. **Prog Clin Biol Res** 1990; 351:289–97 (36 ref.)

Possible mechanisms limiting N–methyl–D–aspartate receptor overactivation and the therapeutic efficacy of N–methyl–D–aspartate antagonists. Choi DW. **Stroke** 1990 Nov;21(11 Suppl):II120–2 (42 ref.)

The release and uptake of excitatory amino acids [see comments] Nicholls D, et al. **Trends Pharmacol Sci** 1990 Nov;11(11):462–8 (40 ref.) Comment in: Trends Pharmacol Sci 1990 Dec;11(12):477–8.

[Working hypothesis for the pharmacologic research in the glutamatergic approach to Alzheimer's disease] Vamvakides A. **Ann Pharm Fr** 1989;47(6):329–36 (70 ref.) (Eng. Abstr.) **(Fre)**

[Excitatory amino acids] Urushidani T, et al. **No To Shinkei** 1991 Apr;43(4):307–18 (88 ref.) **(Jpn)**

PHYSIOLOGY

The use of anti–idiotypic antibodies as a strategy for studying glutamate receptors. Duce IR, et al. **Biochem Soc Trans** 1991 Feb;19(1):143–6 (15 ref.)

Glutamate in the mammalian CNS. Sahai S. **Eur Arch Psychiatry Clin Neurosci** 1990;240(2):121–33 (140 ref.)

Single–channel studies of glutamate receptors. Sansom MS, et al. **Int Rev Neurobiol** 1990;32:51–106 (200 ref.)

Glucocorticoids, hippocampal damage and the glutamatergic synapse. Sapolsky RM. **Prog Brain Res** 1990;86:13–23 (81 ref.)

Neuronal discharge hypersynchrony and the intracranial water balance in relation to glutamic acid and taurine redistribution: migraine and epilepsy. van Gelder NM. **Prog Clin Biol Res** 1990;351:1–20 (83 ref.)

Metabolism and role of glutamate in mammalian brain. Erecińska M, et al. **Prog Neurobiol** 1990;35(4):245–96 (393 ref.)

Schizophrenia: a subcortical neurotransmitter imbalance syndrome? Carlsson M, et al. **Schizophr Bull** 1990; 16(3):425–32 (40 ref.)

[Working hypothesis for the effect of GABAergic, glycinergic or glutamatergic drugs in the treatment of Parkinson disease] Vamvakidès A. **Ann Pharm Fr** 1990; 48(2):70–80 (95 ref.) (Eng. Abstr.) **(Fre)**

SECRETION

Long–term potentiation in the dentate gyrus in vivo is associated with a sustained increase in extracellular glutamate. Bliss TV, et al. **Adv Exp Med Biol** 1990; 268:269–78 (24 ref.)

TOXICITY

Antagonism to neuronal cystine uptake a factor in neuronal damage by glutamate. **Nutr Rev** 1990 Dec;48(12):440–2 (7 ref.)

GLUTAMIC ACID–SPECIFIC TRNA see **RNA, TRANSFER, GLU**

GLUTAMIC–OXALOACETIC TRANSAMINASE see **ASPARTATE AMINOTRANSFERASE**

GLUTAMIC–PYRUVIC TRANSAMINASE see **ALANINE AMINOTRANSFERASE**

GLUTAMINE

METABOLISM

Nonenzymatic deamidation of asparaginyl and glutaminyl residues in proteins. Wright HT. **Crit Rev Biochem Mol Biol** 1991;26(1):1–52 (285 ref.)

Glutamine metabolism and cycling in Neurospora crassa. Mora J. **Microbiol Rev** 1990 Sep;54(3):293–304 (109 ref.)

Interorgan glutamine flow regulation in metabolic acidosis. Tamarappoo BK, et al. **Miner Electrolyte Metab** 1990; 16(5):322–30 (55 ref.)

Biochemical considerations in 1H spectroscopy. Glutamate and glutamine; myo–inositol and related metabolites. Ross BD. **NMR Biomed** 1991 Apr;4(2):59–63 (12 ref.)

Muscle provides glutamine to the immune system. **Nutr Rev** 1990 Oct;48(10):390–2 (11 ref.)

PHARMACOLOGY

Glutamine nutrition: theoretical considerations and therapeutic impact. Souba WW, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):237S–243S (88 ref.)

PHYSIOLOGY

Altered glutamatergic mechanisms and selective motor neuron degeneration in amyotrophic lateral sclerosis: possible role of glycine. Plaitakis A. **Adv Neurol** 1991; 56:319–26 (46 ref.)

Glutamine: a key substrate for the splanchnic bed. Souba WW. **Annu Rev Nutr** 1991;11:285–308 (99 ref.)

Is glutamine a conditionally essential amino acid? Lacey JM, et al. **Nutr Rev** 1990 Aug;48(8):297–309 (100 ref.)

GLUTAMINE–SPECIFIC TRNA see **RNA, TRANSFER, GLN**

GLUTAMINE SYNTHETASE

METABOLISM

Heterogeneous intrahepatic distribution of glutamine synthetase. Gebhardt R. **Acta Histochem Suppl** 1990; 40:23–8 (25 ref.)

Ferredoxin–dependent chloroplast enzymes. Knaff DB, et al. **Biochim Biophys Acta** 1991 Jan 22;1056(2):93–125 (337 ref.)

GLUTAMINYL–PEPTIDE GAMMA–GLUTAMYLTRANSFERASE see **PROTEIN–GLUTAMINE GAMMA–GLUTAMYLTRANSFERASE**

GLUTARALDEHYDE–STABILIZED GRAFTS see **BIOPROSTHESIS**

GLUTARATES

URINE

Value of neuroimaging in metabolic diseases affecting the CNS [comment] Naidu S, et al. **AJNR Am J Neuroradiol** 1991 May–Jun;12(3):413–6 (39 ref.) Comment on: AJNR Am J Neuroradiol 1991 May–Jun;12(3):403–6. Comment on: AJNR Am J Neuroradiol 1991 May–Jun;12(3):407–9. Comment on: AJNR Am J Neuroradiol 1991 May–Jun;12(3):410–2.

[Ultrasound, computed tomography and magnetic resonance tomography in a child with macrocephaly and glutaric aciduria type I] Doringer E, et al. **ROFO** 1990 Dec; 153(6):683–7 (22 ref.) (Eng. Abstr.) **(Ger)**

GLUTATHIONE

ANALOGS & DERIVATIVES

Trypanothione metabolism and rational approaches to drug design. Fairlamb AH. **Biochem Soc Trans** 1990 Oct; 18(5):717–20 (35 ref.)

Correlations and apparent contradictions in assessment of oxidant stress status in vivo. Smith CV. **Free Radic Biol Med** 1991;10(3–4):217–24 (61 ref.)

Biosynthesis, bioactivation, and mutagenicity of S–conjugates. Dekant W, et al. **Toxicol Lett** 1990 Sep; 53(1–2):53–8 (26 ref.)

BIOSYNTHESIS

Effect of cyclopentenone prostaglandins on glutathione biosynthesis. Hirata M, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:859–62 (14 ref.)

DEFICIENCY

Guarding against cellular glutathione deficiency. **Nutr Rev** 1990 Sep;48(9):346–8 (9 ref.)

METABOLISM

Evolution of glutathione metabolism. Fahey RC, et al. **Adv Enzymol Relat Areas Mol Biol** 1991;64:1–53 (308 ref.)

Prostaglandins, glutathione metabolism, and lipid peroxidation in relation to inflammation in bovine mastitis. Atroshi F, et al. **Adv Exp Med Biol** 1990;264:203–7 (11 ref.)

Effect of superoxide dismutase on the autoxidation of hydroquinones formed during DT–diaphorase catalysis and glutathione nucleophilic addition. Cadenas E, et al. **Adv Exp Med Biol** 1990;264:37–44 (24 ref.)

Dietary modulation of the glutathione detoxification pathway and the potential for altered xenobiotic metabolism. Smith TK. **Adv Exp Med Biol** 1991;289:165–9 (19 ref.)

Formation of reactive intermediates by phase II enzymes: glutathione–dependent bioactivation reactions. Vamvakas S, et al. **Adv Exp Med Biol** 1991;283:13–24 (78 ref.)

Bioactivation of xenobiotics by formation of toxic glutathione conjugates. Koob M, et al. **Chem Biol Interact** 1991; 77(2):107–36 (189 ref.)

Biochemical and physiological dispositions of glutathione conjugates. Bakke JE. **Drug Metab Rev** 1990; 22(6–8):637–47 (25 ref.)

Glutathione metabolism in the pancreas compared with that in the liver, kidney, and small intestine. Githens S. **Int J Pancreatol** 1991 Feb;8(2):97–109 (70 ref.)

Glutathione and inflammatory disorders of the lung. Cantin AM, et al. **Lung** 1991;169(3):123–38 (89 ref.)

Copper–glutathione: a key intermediate in cellular copper metabolism? **Nutr Rev** 1991 Mar;49(3):95–6 (6 ref.)

Role of the glutathione–glutathione peroxidase cycle in the cytotoxicity of the anticancer quinones. Doroshow JH, et al. **Pharmacol Ther** 1990;47(3):359–70 (146 ref.)

Glutathione conjugate mediated toxicities. Monks TJ, et al. **Toxicol Appl Pharmacol** 1990 Oct;106(1):1–19 (131 ref.)

[The physiological significance of regulation by catecholamines, second messengers and enzyme inducers of glutathione metabolism] Kolesnichenko LS, et al. **Fiziol Zh SSSR** 1990 Oct;76(10):1418–25 (20 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The role of glutathione in drug resistance. Ozols RF, et al. **Cancer Treat Rev** 1990 Dec;17 Suppl A:45–50 (23 ref.)

Review of the current status of calcium and thiols in cellular injury. Reed DJ. **Chem Res Toxicol** 1990 Nov–Dec; 3(6):495–502 (94 ref.)

Historical aspects of glutathione and cancer chemotherapy. Mistry P, et al. **Pharmacol Ther** 1991;49(1–2):125–32 (95 ref.)

Importance and regulation of hepatic glutathione. DeLeve LD, et al. **Semin Liver Dis** 1990 Nov;10(4):251–66 (204 ref.)

THERAPEUTIC USE

Glutathione and detoxification. Tedeschi M, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):203–8 (17 ref.)

TOXICITY

The glutathionyl radical formation in the reaction between manganese and glutathione and its neurotoxic implications. Shi XL, et al. **Med Hypotheses** 1990 Oct;33(2):83–7 (34 ref.)

GLUTATHIONE S–ALKYLTRANSFERASE see **GLUTATHIONE TRANSFERASES**

GLUTATHIONE S–ARYLTRANSFERASE see **GLUTATHIONE TRANSFERASES**

GLUTATHIONE S–EPOXIDETRANSFERASE see **GLUTATHIONE TRANSFERASES**

GLUTATHIONE PEROXIDASE

BLOOD

Free radicals involvement in neurological porphyrias and lead poisoning. Monteiro HP, et al. **Mol Cell Biochem** 1991 Apr 24;103(1):73–83 (88 ref.)

METABOLISM

Role of the glutathione–glutathione peroxidase cycle in the cytotoxicity of the anticancer quinones. Doroshow JH, et al. **Pharmacol Ther** 1990;47(3):359–70 (146 ref.)

GLUTATHIONE TRANSFERASES

ANALYSIS

Glutathione S–transferase in humans in health and disease. Hayes PC, et al. **Gut** 1991 Jul;32(7):813–8 (61 ref.)

GLUTATHIONE TRANSFERASES

CLASSIFICATION

Genetic heterogeneity of the human glutathione transferases: a complex of gene families. Board P, et al. **Pharmacol Ther** 1990;48(3):357–69 (88 ref.)

GENETICS

Regulation of glutathione transferase P gene during hepatocarcinogenesis of the rat. Muramatsu M, et al. **Adv Enzyme Regul** 1991;31:319–25 (17 ref.)

Xenobiotic regulation of glutathione S-transferase Ya gene expression. Paulson KE. **Mol Toxicol** 1989 Oct–Dec; 2(4):215–35 (48 ref.)

METABOLISM

Nuclear glutathione transferases which detoxify irradiated DNA. Ketterer B, et al. **Adv Exp Med Biol** 1990;264:301–10 (35 ref.)

Role of the well-known basic and recently discovered acidic glutathione S-transferases in the control of genotoxic metabolites. Oesch F, et al. **Adv Exp Med Biol** 1991; 283:25–39 (37 ref.)

Mechanism of fatty acid ethyl ester formation and biological significance. Lange LG. **Ann N Y Acad Sci** 1991;625:802–5 (9 ref.)

The enzymes of detoxication. Jakoby WB, et al. **J Biol Chem** 1990 Dec 5;265(34):20715–8 (56 ref.)

PHYSIOLOGY

Glutathione S-transferases: role in alkylating agent resistance and possible target for modulation chemotherapy--a review. Waxman DJ. **Cancer Res** 1990 Oct 15; 50(20):6449–54 (78 ref.)

GLUTEAL REGION see **BUTTOCKS**

GLUTEN

ADMINISTRATION & DOSAGE

Gluten-free diet and elemental diet in dermatitis herpetiformis. van der Meer JB. **Int J Dermatol** 1990 Dec; 29(10):679–92 (146 ref.)

ADVERSE EFFECTS

The contribution of some constitutional factors to the development of cow's milk and gluten intolerance in children. Kaczmarski M, et al. **Rocz Akad Med Bialymst** 1988–89;33–34:167–76 (71 ref.)

GLUTEN ENTEROPATHY see **CELIAC DISEASE**

GLYCANS see **POLYSACCHARIDES**

GLYCERIDES

CHEMISTRY

The effects of glyceride structure on absorption and metabolism. Small DM. **Annu Rev Nutr** 1991;11:413–34 (105 ref.)

METABOLISM

[The characterization of microbial lipases. 2. The determination of lipase specificity] Bariszlovich M, et al. **Nahrung** 1991;35(1):61–9 (60 ref.) (Eng. Abstr.) **(Ger)**

GLYCEROKINASE see **GLYCEROL KINASE**

GLYCEROL KINASE

DEFICIENCY

[Pseudo-hypertriglyceridemia caused by glycerol kinase deficiency] Sanson-Raffin ML, et al. **Rev Med Interne** 1989 Sep–Oct;10(5):453–6 (26 ref.) **(Fre)**

METABOLISM

Porin interaction with hexokinase and glycerol kinase: metabolic microcompartmentation at the outer mitochondrial membrane. Adams V, et al. **Biochem Med Metab Biol** 1991 Jun;45(3):271–91 (185 ref.)

GLYCEROL PHOSPHATE ETHERS see **PHOSPHOLIPID ETHERS**

GLYCEROPHOSPHATE ETHERS see **PHOSPHOLIPID ETHERS**

GLYCEROPHOSPHATES

CHEMISTRY

N-acylated glycerophospholipids and their derivatives. Schmid HH, et al. **Prog Lipid Res** 1990;29(1):1–43 (204 ref.)

GLYCERYL TRINITRATE

ADMINISTRATION & DOSAGE

Transdermal nitroglycerin (glyceryl trinitrate). A review of its pharmacology and therapeutic use. Todd PA, et al. **Drugs** 1990 Dec;40(6):880–902 (172 ref.)

ADVERSE EFFECTS

Nitroglycerin-induced hypotension, bradycardia, and asystole: report of a case and review of the literature. Brandes W, et al. **Clin Cardiol** 1990 Oct;13(10):741–4 (18 ref.)

Toxic effects of drugs used in the ICU. Nitroprusside, nitroglycerin, and angiotensin-converting enzyme inhibitors. Curry SC, et al. **Crit Care Clin** 1991 Jul; 7(3):555–81 (221 ref.)

PHARMACOLOGY

Pharmacology of the nitrovasodilators. Antianginal, antihypertensive, and antiplatelet actions. Gold ME. **Nurs Clin North Am** 1991 Jun;26(2):437–50 (43 ref.)

Pharmacology of endothelium-derived nitric oxide and nitrovasodilators. Ignarro LJ, et al. **West J Med** 1991 Jan; 154(1):51–62 (95 ref.)

THERAPEUTIC USE

Update on nitrate therapy. Rinde-Hoffman D, et al. **J Clin Pharmacol** 1991 Aug;31(8):697–701 (17 ref.)

A practical guide to nitrate use. Anderson KA. **Postgrad Med** 1991 Jan;89(1):67–70, 75–6, 78 (0 ref.)

GLYCINE

METABOLISM

The glycine coagonist site of the NMDA receptor. Dingledine R, et al. **Adv Exp Med Biol** 1990;268:17–26 (30 ref.)

The glycine site on the NMDA receptor: pharmacology and involvement in NMDA receptor-mediated neurodegeneration. Foster AC, et al. **Adv Exp Med Biol** 1990;268:93–100 (36 ref.)

The glycine story. Jackson AA. **Eur J Clin Nutr** 1991 Feb; 45(2):59–65 (44 ref.)

PHARMACOLOGY

Measuring and controlling the extracellular glycine concentration at the NMDA receptor level. Ascher P. **Adv Exp Med Biol** 1990;268:13–6 (26 ref.)

Competitive antagonism of glycine at the N-methyl-D-aspartate (NMDA) receptor. Huettner JE. **Biochem Pharmacol** 1991 Jan 1;41(1):9–16 (98 ref.)

Glycine is a coagonist at the NMDA receptor/channel complex. Thomson AM. **Prog Neurobiol** 1990;35(1):53–74 (148 ref.)

PHYSIOLOGY

Altered glutamatergic mechanisms and selective motor neuron degeneration in amyotrophic lateral sclerosis: possible role of glycine. Plaitakis A. **Adv Neurol** 1991; 56:319–26 (46 ref.)

[Working hypothesis for the effect of GABAergic, glycinergic or glutamatergic drugs in the treatment of Parkinson disease] Vamvakidès A. **Ann Pharm Fr** 1990; 48(2):70–80 (95 ref.) (Eng. Abstr.) **(Fre)**

[The glycine receptor--the normal, pathological and therapeutic implications] Nechifor M. **Rev Med Chir Soc Med Nat Iasi** 1990 Jan–Mar;94(1):223–4 (18 ref.) **(Rum)**

GLYCINE MAX see **SOYBEANS**

GLYCOCONJUGATES

ANALYSIS

[Tumor lectinology--status and perspectives of clinical application] Gabius HJ, et al. **Naturwissenschaften** 1990 Nov;77(11):505–14 (97 ref.) (Eng. Abstr.) **(Ger)**

CHEMISTRY

Immobilization of glycoconjugates by their oligosaccharides: use of hydrazido-derivatized matrices. O'Shannessy DJ, et al. **Anal Biochem** 1990 Nov 15;191(1):1–8 (82 ref.)

Radioactive tracer techniques in the sequencing of glycoprotein oligosaccharides. Varki A. **FASEB J** 1991 Feb;5(2):226–35 (80 ref.)

Glycoconjugates: overview and strategy. Laine RA. **Methods Enzymol** 1990;193:539–53 (54 ref.)

METABOLISM

Advanced nonenzymatic tissue glycosylation: cell-mediated interactions implicated in the complications associated with diabetes and aging. Vlassara H. **Blood Purif** 1990; 8(4):223–32 (43 ref.)

GLYCOGEN

ANALYSIS

Glycogen-rich meningioma. Case report and short review. Shiraishi K. **Neurosurg Rev** 1991;14(1):61–4 (15 ref.)

BIOSYNTHESIS

The liver and glycogen metabolism. Radziuk J. **JPEN J Parenter Enteral Nutr** 1991 May–Jun; 15(3):77S–81S (51 ref.)

Regulation of glycogen resynthesis following exercise. Dietary considerations. Friedman JE, et al. **Sports Med** 1991 Apr;11(4):232–43 (68 ref.)

Muscle glycogen synthesis before and after exercise. Ivy JL. **Sports Med** 1991 Jan;11(1):6–19 (55 ref.)

METABOLISM

Glycogen metabolism and signal transduction in mammals and yeast. Roach PJ, et al. **Adv Enzyme Regul** 1991; 31:101–20 (94 ref.)

How important is endogenous muscle glycogen to fatigue in prolonged exercise? Green HJ. **Can J Physiol Pharmacol** 1991 Feb;69(2):290–7 (71 ref.)

A common denominator linking glycogen metabolism, nuclear oncogenes and development. Woodgett JR. **Trends Biochem Sci** 1991 May;16(5):177–81 (27 ref.)

GLYCOGEN DEBRANCHING ENZYME see **GLYCOGEN DEBRANCHING ENZYME SYSTEM**

GLYCOGEN DEBRANCHING ENZYME SYSTEM

DEFICIENCY

Muscle glycogenosis. Moses SW. **J Inherited Metab Dis** 1990; 13(4):452–65 (50 ref.)

GLYCOGEN PHOSPHORYLASE

CHEMISTRY

Glycogen phosphorylase: a multifaceted enzyme. Johnson LN. **Carlsberg Res Commun** 1989;54(6):203–29 (78 ref.)

PHYSIOLOGY

Molecular basis of signal integration in phosphorylase kinase. Heilmeyer LM Jr. **Biochim Biophys Acta** 1991 Sep 3; 1094(2):168–74 (40 ref.)

GLYCOGEN STORAGE DISEASE

DIET THERAPY

Dietary treatment of liver glycogenosis. Andria G, et al. **Beitr Infusionther** 1991;27:161–9 (18 ref.)

ENZYMOLOGY

Muscle glycogenosis. Moses SW. **J Inherited Metab Dis** 1990; 13(4):452–65 (50 ref.)

GENETICS

Molecular genetics of phosphorylase kinase: cDNA cloning, chromosomal mapping and isoform structure. Kilimann MW. **J Inherited Metab Dis** 1990;13(4):435–41 (26 ref.)

METABOLISM

Normal metabolism and disorders of carbohydrate metabolism. de Barsy T, et al. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):499–522 (85 ref.)

PHYSIOPATHOLOGY

[Muscular glycogenoses] de Barsy T, et al. **Rev Med Interne** 1991 May–Jun;12(3):198–204 (39 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

[Treatment of glycogen storage diseases] Endres WT. **Padiatr Padol** 1991;26(1):19–24 (36 ref.) (Eng. Abstr.) **(Ger)**

GLYCOGEN STORAGE DISEASE TYPE I

COMPLICATIONS

Neutrophil dysfunction in glycogen storage disease Ib: association with Crohn's-like colitis. Couper R, et al. **Gastroenterology** 1991 Feb;100(2):549–54 (30 ref.)

Type I glycogen storage disease: kidney involvement, pathogenesis and its treatment. Chen YT. **Pediatr Nephrol** 1991 Jan;5(1):71–6 (57 ref.)

[Focal peliosis of the adult liver in combination with glycogenosis type I (v.Gierke). A case report and review of the recent literature] Eising EG, et al. **Radiologe** 1990 Sep;30(9):428–32 (29 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Growth in adulthood after liver transplantation for glycogen storage disease type I. Kirschner BS, et al. **Gastroenterology** 1991 Jul;101(1):238–41 (21 ref.)

GLYCOGEN STORAGE DISEASE TYPE II

DIAGNOSIS

[Myopathy in the adult form of glycogenosis II. Two case reports and review of the literature] Horstmann S, et al. **Fortschr Neurol Psychiatr** 1990 Sep;58(9):343–50 (53 ref.) (Eng. Abstr.) **(Ger)**

GLYCOGEN SYNTHASE see **GLYCOGEN SYNTHETASE**

GLYCOGEN SYNTHETASE

METABOLISM

Glycogen metabolism and signal transduction in mammals and yeast. Roach PJ, et al. **Adv Enzyme Regul** 1991; 31:101–20 (94 ref.)

PHYSIOLOGY

[Glycogen synthetase and non-insulin-dependent diabetes: role of gliclazide] Lesobre B. **Journ Annu Diabetol Hotel Dieu** 1991;:315–21 (21 ref.) **(Fre)**

GLYCOGENOSIS see **GLYCOGEN STORAGE DISEASE**

GLYCOGENOSIS 1 see **GLYCOGEN STORAGE DISEASE TYPE I**

GLYCOGENOSIS 2 see **GLYCOGEN STORAGE DISEASE TYPE II**

GLYCOHEMOGLOBIN A see **HEMOGLOBIN A, GLYCOSYLATED**

GLYCOLATES

see related
POLYGLYCOLIC ACID

GLYCOLIC-LACTIC ACID POLYESTER see **POLYGLACTIN 910**

GLYCOLIPIDS

The carbohydrate- and lipid-containing cell wall of mycobacteria, phenolic glycolipids: structure and immunological properties. Puzo G. **Crit Rev Microbiol** 1990;17(4):305–27 (206 ref.)

CHEMISTRY

NMR of carbohydrates at the surface of cells. Jarrell HC, et al. **Basic Life Sci** 1990;56:303–16 (22 ref.)
Anchoring of Thy-1 to the cell membrane. Low MG. **Immunol Ser** 1989;45:71–83 (53 ref.)
Biochemistry of the neurolipids. Svennerholm L. **Ups J Med Sci Suppl** 1990;48:7–19 (15 ref.)

IMMUNOLOGY

Motor neuropathies and motor neuron disorders: association with antiglycolipid antibodies. Pestronk A, et al. **Adv Neurol** 1991;56:427–32 (23 ref.)

METABOLISM

Glycosyl phosphatidylinositol in thyroid: cell signalling or protein anchor? Jacquemin C. **Biochimie** 1991 Jan; 73(1):37–40 (42 ref.)
Digalactosyl-containing glycolipids as cell surface receptors for shiga toxin of Shigella dysenteriae 1 and related cytotoxins of Escherichia coli. Brown JE, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S298–303 (36 ref.)
Intracellular transfer of phospholipids, galactolipids, and fatty acids in plant cells. Kader JC. **Subcell Biochem** 1990; 16:69–111 (77 ref.)
Glycolipid transfer protein in animal cells. Sasaki T, et al. **Subcell Biochem** 1990;16:113–27 (53 ref.)

PHYSIOLOGY

Glycolipids and transmembrane signaling in oligodendroglia. Benjamins JA, et al. **Ann N Y Acad Sci** 1990;605:90–100 (41 ref.)
Glycolipid anchoring of plasma membrane proteins. Cross GA. **Annu Rev Cell Biol** 1990;6:1–39 (123 ref.)
Phosphatidylinositol membrane anchors and T-cell activation. Robinson PJ. **Immunol Today** 1991 Jan; 12(1):35–41 (56 ref.)
The role of glycosyl-phosphoinositides in hormone action. Saltiel AR. **J Bioenerg Biomembr** 1991 Feb;23(1):29–41 (43 ref.)

GLYCOLYSIS

Myocardial ischemia--metabolic pathways and implications of increased glycolysis. Opie LH. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 4:777–90 (91 ref.)
Where is the glycolytic complex? A critical evaluation of present data from muscle tissue. Brooks SP, et al. **FEBS Lett** 1991 Jan 28;278(2):135–8 (35 ref.)
Pyrophosphate-dependent phosphofructokinase, an anaerobic glycolytic enzyme? Mertens E. **FEBS Lett** 1991 Jul 8;285(1):1–5 (27 ref.)
Relation of phosphatidylinositol metabolism to glycolytic pathway in skeletal muscle membranes. Heilmeyer LM Jr, et al. **Mol Cell Biochem** 1990 Dec 20;99(2):111–6 (13 ref.)
The old and the new in transformed cell signalling: glycolysis, diacylglycerol and protein kinase C. Chiarugi V, et al. **Second Messengers Phosphoproteins** 1990; 13(1):69–85 (86 ref.)

PHYSIOLOGY

Hepatic gluconeogenesis/glycolysis: regulation and structure/function relationships of substrate cycle enzymes. Pilkis SJ, et al. **Annu Rev Nutr** 1991;11:465–515 (243 ref.)
[Erythrocyte enzymes, structure and function] Kwiatkowska J. **Postepy Biochem** 1989;35(4):575–84 (32 ref.) **(Pol)**

GLYCOPEPTIDES

PHARMACOLOGY

Resistance of enterococci to glycopeptides. Courvalin P. **Antimicrob Agents Chemother** 1990 Dec;34(12):2291–6 (55 ref.)
Antibacterial activities and modes of action of vancomycin and related glycopeptides. Nagarajan R. **Antimicrob Agents Chemother** 1991 Apr;35(4):605–9 (40 ref.)

GLYCOPHORIN

GENETICS

In vivo somatic mutations in humans: measurement and analysis. Albertini RJ, et al. **Annu Rev Genet** 1990;24:305–26 (101 ref.)

GLYCOPROTEIN HORMONES, ALPHA SUBUNIT

GENETICS

Different combinations of regulatory elements may explain why placenta-specific expression of the glycoprotein hormone alpha-subunit gene occurs only in primates and horses. Nilson JH, et al. **Biol Reprod** 1991 Feb;44(2):231–7 (35 ref.)

GLYCOPROTEIN SIALYLTRANSFERASES see **SIALYLTRANSFERASES**

GLYCOPROTEINS

Novel ovarian regulatory peptides: inhibin, activin, and follistatin. Ling N, et al. **Clin Obstet Gynecol** 1990 Sep; 33(3):690–702 (24 ref.)
Vitronectin. Tomasini BR, et al. **Prog Hemost Thromb** 1991; 10:269–305 (226 ref.)
Neoglycoproteins as tools in glycohistochemistry. Gabius HJ, et al. **Prog Histochem Cytochem** 1991;22(3):1–16 (174 ref.)

ANALYSIS

Mucin glycoproteins as tumor markers. Feller WF, et al. **Immunol Ser** 1990;53:631–72 (299 ref.)
In vivo and in vitro clinical applications of monoclonal antibodies against TAG-72. Colcher D, et al. **Int J Rad Appl Instrum [B]** 1991;18(4):395–401 (46 ref.)

BIOSYNTHESIS

Glycoprotein synthesis and secretion. Expression of fibronectin and its cell surface receptors. Dean DC, et al. **Am Rev Respir Dis** 1991 Sep;144(3 Pt 2):S25–8 (54 ref.)
Glycoprotein synthesis and secretion: translation and targeting. Koch-Brandt C. **Am Rev Respir Dis** 1991 Sep; 144(3 Pt 2):S29–32 (46 ref.)
[Coming to the glyco-biology age] Kobata A. **Tanpakushitsu Kakusan Koso** 1991 Apr;36(5):775–88 (42 ref.) **(Jpn)**

BLOOD

Plasma anticoagulant system in patients with pulmonary hypertension. Maeda NY, et al. **Braz J Med Biol Res** 1990; 23(3–4):251–4 (21 ref.)
Cartilage matrix glycoprotein as a possible marker of osteoarthritis. Fife RS. **J Rheumatol Suppl** 1991 Feb;27:30–1 (17 ref.)

CHEMISTRY

Mucin structure. The structure and heterogeneity of respiratory mucus glycoproteins. Sheehan JK, et al. **Am Rev Respir Dis** 1991 Sep;144(3 Pt 2):S4–9 (63 ref.)
NMR of carbohydrates at the surface of cells. Jarrell HC, et al. **Basic Life Sci** 1990;56:303–16 (22 ref.)
Radioactive tracer techniques in the sequencing of glycoprotein oligosaccharides. Varki A. **FASEB J** 1991 Feb;5(2):226–35 (80 ref.)
Novel structurally distinct family of leucocyte surface glycoproteins including CD9, CD37, CD53 and CD63. Hořejší V, et al. **FEBS Lett** 1991 Aug 19;288(1–2):1–4 (34 ref.)
Oligosaccharide chains of glycoproteins. Pan YT, et al. **Prog Drug Res** 1990;34:163–207 (151 ref.)

DEFICIENCY

Neonatal purpura fulminans due to homozygous protein C or protein S deficiencies. Marlar RA, et al. **Semin Thromb Hemost** 1990 Oct;16(4):299–309 (88 ref.)
[Influence of protein S deficiency on the arterial thrombosis risk] Wiesel ML, et al. **Presse Med** 1991 Jun 8;20(22):1023–7 (24 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Regulation of expression of the glycoprotein genes of herpes simplex virus type 1 (HSV-1). Levine M, et al. **Adv Exp Med Biol** 1990;278:151–64 (51 ref.)
Function and regulation of expression of pulmonary surfactant-associated proteins. Weaver TE, et al. **Biochem J** 1991 Jan 15;273(Pt 2):249–64 (221 ref.)
Acid beta-glucosidase: enzymology and molecular biology of Gaucher disease. Grabowski GA, et al. **Crit Rev Biochem Mol Biol** 1990;25(6):385–414 (192 ref.)
Profile of a mammalian sperm receptor gene. Kinloch RA, et al. **New Biol** 1989 Dec;1(3):232–8 (64 ref.)
The zona pellucida genes encode essential proteins for mammalian fertilization and early embryogenesis. Dean J. **Proc Soc Exp Biol Med** 1991 Feb;196(2):141–6 (24 ref.)

IMMUNOLOGY

Tumor targeting with monoclonal antibody B72.3: experimental and clinical results. Schlom J, et al. **Cancer Treat Res** 1990;51:313–35 (44 ref.)
In vivo and in vitro clinical applications of monoclonal antibodies against TAG-72. Colcher D, et al. **Int J Rad Appl Instrum [B]** 1991;18(4):395–401 (46 ref.)
Applications of monoclonal antibodies and recombinant cytokines for the treatment of human colorectal and other carcinomas. Greiner JW, et al. **J Surg Oncol Suppl** 1991; 2:9–13 (15 ref.)

METABOLISM

Production of superoxide anion by glycated proteins: involvement in complications of diabetes mellitus. Monboisse JC, et al. **Adv Exp Med Biol** 1990;264:551–4 (9 ref.)
Background paper. Coronavirus M and HE: two peculiar glycoproteins. Rottier PJ. **Adv Exp Med Biol** 1990;276:91–4 (0 ref.)
Ependymin, a brain extracellular glycoprotein, and CNS plasticity. Shashoua VE. **Ann N Y Acad Sci** 1991; 627:94–114 (76 ref.)
Biochemistry and pharmacology of mucin-like glycoproteins produced by cultured airway epithelial cells. Kim KC. **Exp Lung Res** 1991 May-Jun;17(3):533–45 (59 ref.)
Disorders of glycoprotein degradation. Cantz M, et al. **J Inherited Metab Dis** 1990;13(4):523–37 (38 ref.)
Regulation of mammalian fertilization by zona pellucida glycoproteins. Wassarman PM. **J Reprod Fertil Suppl** 1990; 42:79–87 (52 ref.)
Carbohydrate histochemistry of epithelial glycoproteins. Reid PE, et al. **Prog Histochem Cytochem** 1990;21(4):1–170 (445 ref.)
Human cytomegalovirus glycoprotein-receptor interactions. Rasmussen L, et al. **Transplant Proc** 1991 Jun;23(3 Suppl 3):60–3 (8 ref.)
[The biochemical diagnosis of lysosomal storage diseases at medical genetic centers. II. Glycoproteinoses, sphingolipidoses (review of the literature)] Gusina NB, et al. **Lab Delo** 1990;(12):4–12 (54 ref.) **(Rus)**

PHYSIOLOGY

Novel myelin glycoproteins and their possible involvement in demyelination. Glynn P. **Acta Neurol (Napoli)** 1991 Apr; 13(2):140–4 (11 ref.)
Surfactant proteins and SP-D. Weaver TE. **Am J Respir Cell Mol Biol** 1991 Jul;5(1):4–5 (10 ref.)
The interaction between complement component C4b-binding protein and the vitamin K-dependent protein S forms a link between blood coagulation and the complement system. Hessing M. **Biochem J** 1991 Aug 1; 277 (Pt 3):581–92 (229 ref.)
Interactions between type 1 plasminogen activator inhibitor, extracellular matrix and vitronectin. Seiffert D, et al. **Cell Differ Dev** 1990 Dec 2;32(3):287–92 (25 ref.)
Molecules of the extracellular matrix: potential role of collagens and glycoproteins in intestinal adaptation. Schuppan D, et al. **Digestion** 1990;46 Suppl 2:2–11 (53 ref.)
Saposin proteins: structure, function, and role in human lysosomal storage disorders. O'Brien JS, et al. **FASEB J** 1991 Mar 1;5(3):301–8 (49 ref.)
The biofilm glycocalyx as a resistance factor. Hoyle BD, et al. **J Antimicrob Chemother** 1990 Jul;26(1):1–5 (59 ref.)
Follistatin and activin: a potential intrinsic regulatory system within diverse tissues. DePaolo LV, et al. **Proc Soc Exp Biol Med** 1991 Oct;198(1):500–12 (117 ref.)

Protein inhibitors of crystallization. Coe FI, et al. **Semin Nephrol** 1991 Mar;11(2):98–109 (26 ref.)
Structure—function relationships of the glycoprotein hormones and their receptors. Reichert LE Jr, et al. **Trends Pharmacol Sci** 1991 May;12(5):199–203 (48 ref.)
[Vitronectin in normal human skin and in skin lesions] Hintner H, et al. **Hautarzt** 1991 Jan;42(1):16–22 (56 ref.) (Eng. Abstr.) **(Ger)**
[The role of steroid-binding glycoproteins in human blood in transmitting the hormonal signal to the cell] Strel'chenok OA. **Fiziol Zh SSSR** 1990 Sep;76(9):1187–96 (49 ref.) (Eng. Abstr.) **(Rus)**
[Protein C, protein S and thrombomodulin: one of the natural antithrombotic mechanisms] Lobato-Mendizábal E, et al. **Rev Invest Clin** 1990 Jan–Mar;42(1):54–62 (130 ref.) (Eng. Abstr.) **(Spa)**

SECRETION

Glycoprotein synthesis and secretion. Expression of fibronectin and its cell surface receptors. Dean DC, et al. **Am Rev Respir Dis** 1991 Sep;144(3 Pt 2):S25–8 (54 ref.)

GLYCOSAMINOGLYCANS

Glycosaminoglycans. Recent biochemical results in the fields of growth and inflammation. Kittlick PD. **Exp Pathol Suppl** 1985;10:1–174 (1118 ref.)

ANALYSIS

Analyses of periodontal glycosaminoglycans and proteoglycans. Regulation by microbial, chemical and inflammatory factors. Larjava H, et al. **Proc Finn Dent Soc** 1991;87(2):287–98 (69 ref.)

CHEMICAL SYNTHESIS

Chemical synthesis of glycosaminoglycans: new approaches to antithrombotic drugs. Petitou M, et al. **Nature** 1991 Apr 18;350(6319 Suppl):30–3 (39 ref.)

CHEMISTRY

Glycosaminoglycans as polyelectrolytes: rejuvenation of original concepts. Jaques LB. **Semin Thromb Hemost** 1991; 17 Suppl 1:1–4 (8 ref.)

METABOLISM

Neural tube defects: considerations on the pathogenesis and correlation with myelodysplasia in man. I. Embryological aspects. Di Rocco C, et al. **Fetal Ther** 1989;4 Suppl 1:92–8 (51 ref.)
[In vitro studies of the effect of growth factors on the connective tissue] Węglarz L, et al. **Postepy Hig Med Dosw** 1989;43(2–4):255–74 (129 ref.) (Eng. Abstr.) **(Pol)**

PHARMACOLOGY

Modulations of thrombin activity by polyelectrolytes in the presence of antithrombin III. Schiele J, et al. **Semin Thromb Hemost** 1991;17 Suppl 1:35–41 (17 ref.)

PHYSIOLOGY

Glycosaminoglycans: molecular properties, protein interactions, and role in physiological processes. Jackson RL, et al. **Physiol Rev** 1991 Apr;71(2):481–539 (594 ref.)

THERAPEUTIC USE

Heparin, non-heparin glycosaminoglycans, and heparinoids: an overview of their application in atherosclerosis. Engelberg H. **Semin Thromb Hemost** 1991;17 Suppl 1:5–8 (14 ref.)

GLYCOSIDASES see **GLYCOSIDE HYDROLASES**

GLYCOSIDE ANTIBIOTICS see **ANTIBIOTICS, AMINOGLYCOSIDE**

GLYCOSIDE HYDROLASES

Enzymatic techniques applied to complex carbohydrates. Some examples. Nilsson KG. **Ann N Y Acad Sci** 1990; 613:431–4 (13 ref.)

ANTAGONISTS & INHIBITORS

Glycoside hydrolases: mechanistic information from studies with reversible and irreversible inhibitors. Legler G. **Adv Carbohydr Chem Biochem** 1990;48:319–84 (196 ref.)
Plagiarizing plants: amino sugars as a class of glycosidase inhibitors. Fleet GW, et al. **Ciba Found Symp** 1990; 154:112–22; discussion 122–5 (31 ref.)

GENETICS

Genetics of extracellular protein secretion by gram-negative bacteria. Pugsley AP, et al. **Annu Rev Genet** 1990;24:67–90 (79 ref.)
Domains in microbial beta-1, 4-glycanases: sequence conservation, function, and enzyme families. Gilkes NR, et al. **Microbiol Rev** 1991 Jun;55(2):303–15 (124 ref.)

METABOLISM

Indoxyl alfa-D-galactoside as the temporarily last substrate for glycosidase histochemistry. The present state of the art in histochemical glycosidase research using indoxyl glycosidas. Gossrau R. **Folia Histochem Cytobiol** 1990; 28(3):129–43 (85 ref.)

GLYCOSIDES

CHEMISTRY

Terpenoid glycosides. Pfander H, et al. **Nat Prod Rep** 1991 Feb;8(1):69–95 (153 ref.)

METABOLISM

Indoxyl alfa-D-galactoside as the temporarily last substrate for glycosidase histochemistry. The present state of the art in histochemical glycosidase research using indoxyl glycosidas. Gossrau R. **Folia Histochem Cytobiol** 1990; 28(3):129–43 (85 ref.)

PHYSIOLOGY

Glycosyl phosphatidylinositol in thyroid: cell signalling or protein anchor? Jacquemin C. **Biochimie** 1991 Jan; 73(1):37–40 (42 ref.)

TOXICITY

Spirosolane-containing Solanum species and induction of congenital craniofacial malformations. Keeler RF, et al. **Toxicon** 1990;28(8):873–84 (27 ref.)

GLYCOSPHINGOLIPIDS

Structure and function of renal glycosphingolipids [editorial] Shayman JA, et al. **Am J Physiol** 1991 Mar;260(3 Pt 2):F291–302 (135 ref.)

CHEMISTRY

Glycosphingolipid arrangement and dynamics in membranes. Grant CW, et al. **Biochem Soc Trans** 1990 Oct;18(5):827–31 (27 ref.)

IMMUNOLOGY

T-cell reactivity to purified lipophosphoglycan from Leishmania major: a model for analysis of the cellular immune response to microbial carbohydrates. Moll H, et al. **Behring Inst Mitt** 1991 Feb;(88):161–9 (54 ref.)

METABOLISM

Metabolism and intracellular transport of glycosphingolipids. Schwarzmann G, et al. **Biochemistry** 1990 Dec 11; 29(49):10865–71 (93 ref.)

PHYSIOLOGY

Glycosphingolipids that can regulate nerve growth and repair. Cuello AC. **Adv Pharmacol** 1990;21:1–50 (238 ref.)
Bifunctional role of glycosphingolipids. Modulators for transmembrane signaling and mediators for cellular interactions. Hakomori S. **J Biol Chem** 1990 Nov 5; 265(31):18713–6 (86 ref.)

GLYCOSURIA

URINE

Renal glucosuria. Brodehl J, et al. **Pediatr Nephrol** 1987 Jul; 1(3):502–8 (41 ref.)

GLYCOSYLATED HEMOGLOBIN A see **HEMOGLOBIN A, GLYCOSYLATED**

GLYCOSYLATION

see related
PROTEIN PROCESSING, POST-TRANSLATIONAL
Glycosylation in intestinal epithelium. Taatjes DJ, et al. **Int Rev Cytol** 1991;126:135–93 (205 ref.)

GLYCYRRHIZA

Immunopotentiating effect of traditional Chinese drugs—ginsenoside and glycyrrhiza polysaccharide. Yang G, et al. **Proc Chin Acad Med Sci Peking Union Med Coll** 1990; 5(4):188–93 (9 ref.)

GM ALLOTYPES see **IMMUNOGLOBULIN GM ALLOTYPES**

GM-CSF see **GRANULOCYTE-MACROPHAGE COLONY-STIMULATING FACTOR**

G(M1) GANGLIOSIDE

IMMUNOLOGY

[Anti-Gm1 antibodies in motor system diseases and neuropathies] Thomas FP. **Nervenarzt** 1990 Dec; 61(12):704–10 (90 ref.) (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Monosialoganglioside GM1 in cerebral ischemia. Carolei A, et al. **Cerebrovasc Brain Metab Rev** 1991 Summer; 3(2):134–57 (130 ref.)

G(M2) GANGLIOSIDE

METABOLISM

The biochemistry of HEXA and HEXB gene mutations causing GM2 gangliosidosis. Mahuran DJ. **Biochim Biophys Acta** 1991 Feb 22;1096(2):87–94 (81 ref.)

GNOTOBIOTICS see **GERM-FREE LIFE**

GNRH see **GONADORELIN**

GOALS

[Electrical stimulation of the brain as a signal in goal-directed behavior] Grigor'ian GA. **Usp Fiziol Nauk** 1991 Jan–Feb; 22(1):40–56 (130 ref.) **(Rus)**

GOAT DISEASES

Special problems of hair goats. Bretzlaff K. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):721–35 (16 ref.)
Ovine progressive pneumonia, caprine arthritis–encephalitis, and related lentiviral diseases of sheep and goats. Bulgin MS. **Vet Clin North Am Food Anim Pract** 1990 Nov; 6(3):691–704 (60 ref.)
Coccidiosis and cryptosporidiosis in sheep and goats. Foreyt WJ. **Vet Clin North Am Food Anim Pract** 1990 Nov; 6(3):655–70 (49 ref.)

EPIDEMIOLOGY

Infection by the warble fly Przhevalskiana silenus Brauer, 1858, in the Italian goats. An update up to 1988. Tassi P, et al. **Parassitologia** 1989 Aug–Dec;31(2–3):239–50 (55 ref.)
Clinical nutrition of sheep and goats. Donoghue S, et al. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):563–76 (48 ref.)

GENETICS

Genetic diseases of sheep and goats. Basrur PK, et al. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):779–802 (97 ref.)

MICROBIOLOGY

Ovine-caprine lentiviruses: infection and pathogenesis. Narayan O, et al. **Dev Biol Stand** 1990;72:203–5 (22 ref.)

PREVENTION & CONTROL

Exclusion of infectious diseases from sheep and goat farms. Smith MC. **Vet Clin North Am Food Anim Pract** 1990 Nov; 6(3):705–20 (59 ref.)

GOATS

PHYSIOLOGY

Special problems of hair goats. Bretzlaff K. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):721–35 (16 ref.)
Ventilation of sheep and goat barns. Collins ER Jr. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):635–54 (9 ref.)
Anesthesia techniques in sheep and goats. Ewing KK. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):759–78 (91 ref.)
Out-of-season breeding in goats. Haibel GK. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):577–83 (56 ref.)
Routine sheep and goat procedures. Williams CS. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):737–58 (16 ref.)

GOITER

COMPLICATIONS

Prevalence of thyroid autoimmunity in insulin dependent diabetes mellitus in the Bayamon region. Sánchez-Lugo F. **Bol Asoc Med P R** 1991 Feb;83(2):54–7 (13 ref.)

DIAGNOSIS

Diagnostic dilemma. The goiter. Alter CA, et al. **Pediatr Clin North Am** 1991 Jun;38(3):567–78 (31 ref.)
[Endocrinological approach to symptoms and diagnosis of goiter] Mitsuma T. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):332–6 (6 ref.) **(Jpn)**

ETIOLOGY

[The immune and nonimmune genesis of goiter] Grigorie D. **Endocrinologie** 1990 Jul–Dec;28(3–4):95–106 (38 ref.) **(Fre)**

PATHOLOGY

Nonoperative techniques for tissue diagnosis in the management of thyroid nodules and goiters. Clark KC, et al. **Semin Surg Oncol** 1991 Mar–Apr;7(2):76–80 (38 ref.)

GOITER, ENDEMIC

EPIDEMIOLOGY

Endemic goiter and endemic thyroid disorders. Gaitan E, et al. **World J Surg** 1991 Mar–Apr;15(2):205–15 (127 ref.)

ETIOLOGY

[Current problems in the pathogenesis and treatment of endemic goiter] Khubaveshki S, et al. **Vutr Boles** 1990; 29(5):7–13 (18 ref.) **(Bul)**

[Physiological basis of goiter transformation of the thyroid gland and the pathogenesis of euthyroid goiter] Aleshin BV. **Fiziol Zh** 1990 Nov–Dec;36(6):115–20 (27 ref.) (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Endocrine imaging in the management of goiter and thyroid nodules: Part I. Beierwaltes WH. **J Nucl Med** 1991 Jul; 32(7):1455–61 (23 ref.)

GOITER, EXOPHTHALMIC see **GRAVES' DISEASE**

GOITER, INTRATHORACIC see **GOITER, SUBSTERNAL**

GOITER, NODULAR

The problem of the nodular goiter. Greenspan FS. **Med Clin North Am** 1991 Jan;75(1):195–209 (50 ref.)

EPIDEMIOLOGY

Incidence of carcinoma of the thyroid in nodular goiter. Cole WH. **Semin Surg Oncol** 1991 Mar–Apr;7(2):61–3 (8 ref.)

SURGERY

Conservative treatment and long term prophylactic thyroxine in the prevention of recurrence of multinodular goiter. Anderson PE, et al. **Surg Gynecol Obstet** 1990 Oct; 171(4):309–14 (23 ref.)

GOITER, SUBSTERNAL

[Experience of the malignant complete intrathoracic goiter: discussion on 13 cases of Japan] Fukasawa T, et al. **Kyobu Geka** 1990 Aug;43(9):757–60 (25 ref.) (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

[The superior vena cava syndrome secondary to a benign intrathoracic goiter: a case report and review of the literature] Ziad F, et al. **Rev Clin Esp** 1990 Oct;187(5):233–5 (36 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Surgical treatment of substernal goiters. Maruotti RA, et al. **Int Surg** 1991 Jan–Mar;76(1):12–7 (19 ref.)

GOITROGENS see **THYROID ANTAGONISTS**

GOLD

Cytochemical localization of beta-(1——4)-D-glucans in plant and fungal cells using an exoglucanase-gold complex. Benhamou N. **Electron Microsc Rev** 1989;2(1):123–38 (78 ref.)

ANALYSIS

Applications of autometallography to heavy metal toxicology. Danscher G. **Pharmacol Toxicol** 1991 Jun; 68(6):414–23 (100 ref.)

CHEMISTRY

Complexes of L-cysteine and D-penicillamine with gold (I) and (III). Brown DH, et al. **Proc R Soc Med** 1977;70 Suppl 3:41–2 (0 ref.)

THERAPEUTIC USE

The gold complexes. Champion GD, et al. **Baillieres Clin Rheumatol** 1990 Dec;4(3):491–534 (223 ref.)

Intramuscular versus oral gold therapy. Kean WF. **Baillieres Clin Rheumatol** 1991 Aug;4(2):219–46 (127 ref.)

GOLD ANTI-INFLAMMATORY AGENTS see **ANTI-INFLAMMATORY AGENTS, GOLD**

GOLDENHAR SYNDROME

COMPLICATIONS

An interesting case presentation: pulmonary malformations associated with oculoauriculovertebral dysplasia (Goldenhar anomalad). Downing GJ, et al. **J Perinatol** 1991 Jun;11(2):190–2 (16 ref.)

GOLDFISH

PHYSIOLOGY

Long-term potentiation during the activity-dependent sharpening of the retinotopic map in goldfish. Schmidt JT. **Ann N Y Acad Sci** 1991;627:10–25 (58 ref.)

Membrane currents and pharmacology of retinal bipolar cells: a comparative study on goldfish and mouse. Kaneko A, et al. **Comp Biochem Physiol [C]** 1991;98(1):115–27 (35 ref.)

GOLF

Golf for the mature athlete. Jobe FW, et al. **Clin Sports Med** 1991 Apr;10(2):269–82 (7 ref.)

GOLGI APPARATUS

ENZYMOLOGY

Ultrastructural distribution of NADPase within the Golgi apparatus and lysosomes of mammalian cells. Smith CE, et al. **Prog Histochem Cytochem** 1990;21(3):1–120 (166 ref.)

METABOLISM

Molecular dissection of early stages of the eukaryotic secretory pathway. Balch WE. **Curr Opin Cell Biol** 1990 Aug;2(4):634–41 (32 ref.)

Traffic through the Golgi apparatus as studied by radioautography. Bennett G, et al. **J Electron Microsc Tech** 1991 Feb;17(2):132–49 (142 ref.)

Localization of glycosylation sites in the Golgi apparatus using immunolabeling and cytochemistry. Roth J. **J Electron Microsc Tech** 1991 Feb;17(2):121–31 (99 ref.)

Analysis of protein transport through the Golgi in a reconstituted cell-free system. Wattenberg BW. **J Electron Microsc Tech** 1991 Feb;17(2):150–64 (63 ref.)

Small GTP-binding proteins in vesicular transport. Balch WE. **Trends Biochem Sci** 1990 Dec;15(12):473–7 (49 ref.)

PHYSIOLOGY

Golgi complex beads and the transition region. Locke M. **Bioessays** 1990 Oct;12(10):495–501 (42 ref.)

Defining components required for transport from the ER to the Golgi complex in yeast. Newman AP, et al. **Bioessays** 1990 Oct;12(10):485–91 (43 ref.)

Comparisons of Golgi structure and dynamics in plant and animal cells. Griffing LR. **J Electron Microsc Tech** 1991 Feb;17(2):179–99 (222 ref.)

Role of the Golgi apparatus in cellular pathology. Morré DM. **J Electron Microsc Tech** 1991 Feb;17(2):200–11 (149 ref.)

What's new in cytoskeleton-organelle interactions? Relationship between microtubules and the Golgi-apparatus. Duden R, et al. **Pathol Res Pract** 1990 Aug;186(4):535–41 (28 ref.)

ULTRASTRUCTURE

Trans-Golgi reticulum. Geuze HJ, et al. **J Electron Microsc Tech** 1991 Jan;17(1):24–34 (124 ref.)

Comparisons of Golgi structure and dynamics in plant and animal cells. Griffing LR. **J Electron Microsc Tech** 1991 Feb;17(2):179–99 (222 ref.)

Perspectives on Golgi apparatus form and function. Mollenhauer HH, et al. **J Electron Microsc Tech** 1991 Jan; 17(1):2–14 (66 ref.)

GONADAL DYSGENESIS

COMPLICATIONS

[Hypergonadotropic amenorrhea] Khdaïb F, et al. **Akush Ginekol (Mosk)** 1991 Jan;(1):9–12 (65 ref.) **(Rus)**

EMBRYOLOGY

[From embryogenesis to female phenotype in subjects with XY karyotype] Hoang-Ngoc Minh, et al. **Rev Fr Gynecol Obstet** 1991 May;86(5):351–5 (16 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Balanced X;3 translocation associated with gonadal dysgenesis: clinical report and review [letter] Liu J. **Am J Med Genet** 1991 Jul 1;40(1):121–3 (10 ref.)

THERAPY

[Treatment of sexual infantilism] Pombo M, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 42:70–4 (23 ref.) **(Spa)**

ULTRASONOGRAPHY

Pediatric gynecologic sonography. Siegel MJ. **Radiology** 1991 Jun;179(3):593–600 (46 ref.)

GONADAL DYSGENESIS, 45,X see **TURNER'S SYNDROME**

GONADAL DYSGENESIS, 45,XO see **TURNER'S SYNDROME**

GONADAL DYSGENESIS, 46,XY

COMPLICATIONS

Associated leukemia and mixed germ cell tumor in a patient with gonadal dysgenesis. Kaplan SS, et al. **Int J Gynaecol Obstet** 1991 May;35(1):83–8 (19 ref.)

GENETICS

Trisomy 18 and 18p- features in a case of isochromosome 18q [46,XY,i(18q)]: prenatal diagnosis and autopsy report. Wurster-Hill DH, et al. **Clin Genet** 1991 Feb;39(2):142–8 (19 ref.)

GONADAL DYSGENESIS, MIXED

GENETICS

Mixed gonadal dysgenesis: case reports and a review of 65 Japanese cases. Nonomura N, et al. **Arch Androl** 1991 Jan–Feb;26(1):15–9 (10 ref.)

GONADOLIBERIN see **GONADORELIN**

GONADOLIBERIN RECEPTORS see **RECEPTORS, GONADOLIBERIN**

GONADORELIN

Gonadotropin-releasing hormone and its analogues [see comments] Conn PM, et al. **N Engl J Med** 1991 Jan 10; 324(2):93–103 (180 ref.) Comment in: N Engl J Med 1991 Aug 15;325(7):520.

[The use of a gonadotropin-releasing hormone agonist for treating gynecological diseases] Merser LJ, et al. **Akush Ginekol (Mosk)** 1991 Feb;(2):16–20 (0 ref.) **(Rus)**

ADMINISTRATION & DOSAGE

Induction of ovulation with pulsatile GnRH. Shoham Z, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):589–608 (84 ref.)

[Hormonal treatment of undescended testis] Ingerslev HJ, et al. **Ugeskr Laeger** 1991 Feb 25;153(9):636–40 (30 ref.) (Eng. Abstr.) **(Dan)**

[The role of pulsatile LHRH therapy in women: the treatment of delayed puberty and of hypothalamic amenorrhea] Giusti M, et al. **Recenti Prog Med** 1990 Nov;81(11):724–32 (63 ref.) (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

The prevention of LHRH induced disease flares in patients with metastatic carcinoma of the prostate. Boccon-Gibod L. **Prog Clin Biol Res** 1990;359:125–9; discussion 141–53 (14 ref.)

ANALOGS & DERIVATIVES

GnRH analogues in ovarian stimulation. Gordon K, et al. **Ann N Y Acad Sci** 1991;626:238–49 (64 ref.)

Clinical uses of gonadotropin-releasing hormone analogues. Casper RF. **Can Med Assoc J** 1991 Jan 15;144(2):153–8 (41 ref.)

Novel approaches to the endocrine therapy of breast cancer. Dowsett M. **Eur J Cancer** 1990;26(9):989–92 (29 ref.)

Basic and clinical aspects of GnRH-agonists in reproduction. Schmutzler RK, et al. **Int J Gynaecol Obstet** 1990 Aug; 32(4):311–24 (118 ref.)

Normal pregnancy outcome after early maternal exposure to gonadotropin releasing hormone agonist. A case report. Ghazi DM, et al. **J Reprod Med** 1991 Mar;36(3):173–4 (9 ref.)

Sudden death due to disease flare with luteinizing hormone-releasing hormone agonist therapy for carcinoma of the prostate. Thompson IM, et al. **J Urol** 1990 Dec; 144(6):1479–80 (15 ref.)

GnRH analogs in reproductive medicine. Hodgen GD. **Keio J Med** 1991 Mar;40(1):25–32 (26 ref.)

Hormonal therapy before surgical treatment for uterine leiomyomas. Moghissi KS. **Surg Gynecol Obstet** 1991 Jun; 172(6):497–502 (30 ref.)

[The use of LHRH analogs in ovulation induction] Hedon B, et al. **Rev Fr Gynecol Obstet** 1991 Feb 15;86(2):97–9 (22 ref.) (Eng. Abstr.) **(Fre)**

[GnRH analogs in gynecology. Possibilities for therapeutic use] Niesert S. **Fortschr Med** 1990 Sep 10;108(26):498–500 (0 ref.) (Eng. Abstr.) **(Ger)**

[Aspects of the clinical and experimental pharmacology of analogs of LHRH] Motta M, et al. **Drugs Exp Clin Res** 1990;16 Suppl:3–18 (42 ref.) **(Ita)**

[LH-RH analogs in mammary carcinoma: experimental aspects] Scambia G, et al. **Drugs Exp Clin Res** 1990;16 Suppl:39–46 (21 ref.) **(Ita)**

[Volumetric and structural changes of prostatic carcinoma under hormonal treatment] Boronat F, et al. **Arch Esp Urol** 1990;43 Suppl 1:97–100 (15 ref.) (Eng. Abstr.) **(Spa)**

[Use of LHRH agonists in the treatment of advanced cancer of the prostate] Fretin J. **Arch Esp Urol** 1990 Jul–Aug; 43(6):647–9 (24 ref.) (Eng. Abstr.) **(Spa)**

ANALYSIS

Migration of LHRH-immunoreactive neurons from the olfactory placode rationalizes olfacto-hormonal relationships. Schwanzel-Fukuda M, et al. **J Steroid Biochem Mol Biol** 1991 Oct;39(4B):565-72 (59 ref.)

ANTAGONISTS & INHIBITORS

The use of GnRH agonists with hMG for induction or stimulation of ovulation. Hedon B, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):575-87 (52 ref.)

CHEMISTRY

Selective excitation techniques for water suppression in one- and two-dimensional NMR spectroscopy. Sklenár V. **Basic Life Sci** 1990;56:63-84 (48 ref.)

DRUG EFFECTS

Contraception--a look forward, Part III: Inhibin and brain-enhanced estrogen delivery. Woolley RJ. **J Am Board Fam Pract** 1991 May-Jun;4(3):159-66 (29 ref.)

IMMUNOLOGY

Immunotherapy and fertility control by immunization against gonadotrophin-releasing hormone. Talwar GP, et al. **Curr Opin Immunol** 1989-90;2(5):733-5 (5 ref.)

METABOLISM

The migration of luteinizing hormone-releasing hormone (LHRH) neurons from the medial olfactory placode into the medial basal forebrain. Schwanzel-Fukuda M, et al. **Experientia** 1990 Sep 15;46(9):956-62 (61 ref.)

[Mechanism of action of gonadoliberin in pituitary gonadotropic cells] Arsenijevic Y, et al. **Ann Endocrinol (Paris)** 1990;51(2):65-71 (82 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOLOGY

Antitumor effects of analogs of LH-RH and somatostatin: experimental and clinical studies. Schally AV, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1061-7 (35 ref.)

[Aspects of the clinical and experimental pharmacology of analogs of LHRH] Motta M, et al. **Drugs Exp Clin Res** 1990;16 Suppl:3-18 (42 ref.) **(Ita)**

PHYSIOLOGY

Aging of the reproductive-neuroimmune axis. A crucial role for the hypothalamic neuropeptide luteinizing hormone-releasing hormone. Marchetti B, et al. **Ann N Y Acad Sci** 1991;621:159-73 (46 ref.)

The 1990 James A. F. Stevenson Memorial Lecture. Gonadotropin-releasing hormone and its actions. Braden TD, et al. **Can J Physiol Pharmacol** 1991 Apr;69(4):445-58 (176 ref.)

Regulation of the pituitary gonadotrope by gonadotropin-releasing hormone: multiple intracellular effectors. Waters SB, et al. **Chin J Physiol** 1991;34(1):1-26 (140 ref.)

Recent developments in the endocrine regulation of the male gonad. Negro-Vilar A. **Ginecol Obstet Mex** 1990 Apr-May;58 Suppl 1:14-7 (37 ref.)

Gonadotropin releasing hormone (GnRH): mode of action and clinical applications. A review. Simon A, et al. **Int J Fertil** 1990 Nov-Dec;35(6):350-62 (169 ref.)

Immunoreactive GnRH in hypothalamic and extrahypothalamic areas. Chieffi G, et al. **Int Rev Cytol** 1991;127:1-55 (297 ref.)

Effects of chorionic GNRH on intrauterine tissues and pregnancy. Siler-Khodr TM, et al. **Placenta** 1991 Mar-Apr; 12(2):91-103 (55 ref.)

[Effect of neurohormones on the secretion of hormones of the anterior pituitary gland] Kosowicz J. **Acta Physiol Pol** 1989;40 Suppl 34:1-10 (16 ref.) **(Pol)**

SECRETION

Neuromodulatory regulation of gonadotropin-releasing hormone pulsatile discharge in women. Jaffe RB, et al. **Am J Obstet Gynecol** 1990 Nov;163(5 Pt 2):1727-31 (42 ref.)

Disorders of the hypothalamic pulse generator: insufficient or inappropriate gonadotropin-releasing hormone release. Casper RF. **Clin Obstet Gynecol** 1990 Sep;33(3):611-21 (57 ref.)

The hypothalamic pulse generator: the reproductive core. Veldhuis JD. **Clin Obstet Gynecol** 1990 Sep;33(3):538-50 (27 ref.)

Melatonin and the human gonadotrophin-releasing hormone pulse generator. Silman R. **J Endocrinol** 1991 Jan; 128(1):7-11 (44 ref.)

Current progress in studies of GnRH cell-containing brain grafts in hypogonadal mice. Gibson MJ, et al. **Prog Brain Res** 1990;82:169-78 (33 ref.)

[The dynamics of pulsatile LHRH (GnRH) secretion] Rodriguez Poyo-Guerrero P, et al. **An Med Interna** 1989 Jul;6(7):376-80 (39 ref.) (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Ovulation induction with pulsatile gonadotropin-releasing hormone: technical modalities and clinical perspectives. Filicori M, et al. **Fertil Steril** 1991 Jul;56(1):1-13 (75 ref.)

Clinical review 15: Management of ovulatory disorders with pulsatile gonadotropin-releasing hormone. Martin K, et al. **J Clin Endocrinol Metab** 1990 Nov;71(5):1081A-1081G (10 ref.)

Update on pulsatile luteinizing hormone-releasing hormone therapy in males with idiopathic hypogonadotropic hypogonadism and delayed puberty. Giusti M, et al. **J Endocrinol Invest** 1991 May;14(5):419-29 (76 ref.)

Gonadotropin releasing hormones. Clinical applications in gynecology. Moghissi KS. **J Reprod Med** 1990 Dec; 35(12):1097-107 (59 ref.)

LHRH-receptors and LHRH-agonist treatment in ovarian cancer: an overview. Emons G, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1003-6 (37 ref.)

GnRH analogs in reproductive medicine. Hodgen GD. **Keio J Med** 1991 Mar;40(1):25-32 (26 ref.)

Role of pulsatile luteinizing hormone releasing-hormone therapy in males with idiopathic hypogonadotropic hypogonadism and delayed puberty. Giusti M, et al. **Recenti Prog Med** 1991 Jan;82(1):47-53 (41 ref.)

[GnRH analogs in gynecology. Possibilities for therapeutic use] Niesert S. **Fortschr Med** 1990 Sep 10;108(26):498-500 (0 ref.) (Eng. Abstr.) **(Ger)**

[LH-RH analogs in mammary carcinoma: experimental aspects] Scambia G, et al. **Drugs Exp Clin Res** 1990;16 Suppl:39-46 (21 ref.) **(Ita)**

[Pulsatile treatment with gonadotropin-releasing hormone (GnRH)] Motta RG, et al. **Minerva Endocrinol** 1990 Jan-Mar;15(1):79-90 (67 ref.) (Eng. Abstr.) **(Ita)**

GONADOTROPIN RECEPTORS see **RECEPTORS, GONADOTROPIN**

GONADOTROPIN-RELEASING HORMONE see **GONADORELIN**

GONADOTROPIN RELEASING HORMONE RECEPTORS see **RECEPTORS, GONADOLIBERIN**

GONADOTROPINS

DEFICIENCY

[Treatment of male hypogonadotropic hypogonadism] Mastrogiacomo I, et al. **Minerva Endocrinol** 1990 Jan-Mar; 15(1):61-72 (61 ref.) (Eng. Abstr.) **(Ita)**

[Hypogonadotropic hypogonadism] Seara Aguilar G, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 42:54-9 (41 ref.) **(Spa)**

PHYSIOLOGY

Molecular aspects of the ontogeny of pituitary and gonadal function. Huhtaniemi IT, et al. **Ann N Y Acad Sci** 1991; 626:62-72 (29 ref.)

The endocrinology of conception. Jacobs HS, et al. **Baillieres Clin Endocrinol Metab** 1990 Jun;4(2):195-205 (33 ref.)

Recent advances in understanding of normal hormone mechanisms of the female reproductive system. Hague WM, et al. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):361-9 (25 ref.)

SECRETION

Opioid modulation of gonadotropin and prolactin secretion in domestic farm animals. Barb CR, et al. **Domest Anim Endocrinol** 1991 Jan;8(1):15-27 (105 ref.)

[The effects of the responses to surgical stresses] Tsuji H. **Nippon Geka Gakkai Zasshi** 1990 Oct;91(10):1519-23 (21 ref.) **(Jpn)**

THERAPEUTIC USE

Synergistic effect of growth hormone and gonadotropins in achieving conception in "clonidine-negative" patients with unexplained infertility. Blumenfeld Z, et al. **Ann N Y Acad Sci** 1991;626:250-65 (51 ref.)

[Treatment of male idiopathic sterility with gonadotropin] Conte D, et al. **Minerva Endocrinol** 1990 Jan-Mar; 15(1):91-4 (18 ref.) (Eng. Abstr.) **(Ita)**

GONADOTROPINS, CHORIONIC

The role of hCG in regulation of the thyroid gland in normal and abnormal pregnancy. Kennedy RL, et al. **Obstet Gynecol** 1991 Aug;78(2):298-307 (106 ref.)

ADMINISTRATION & DOSAGE

Treatment of growth hormone insufficiency. Hindmarsh PC. **Dev Pharmacol Ther** 1990;15(3-4):149-52 (14 ref.)

[Hormonal treatment of undescended testis] Ingerslev HJ, et al. **Ugeskr Laeger** 1991 Feb 25;153(9):636-40 (30 ref.) (Eng. Abstr.) **(Dan)**

ADVERSE EFFECTS

[The hyperstimulation syndrome] Kleinstein J. **Gynakologe** 1991 Jun;24(3):130-5 (24 ref.) **(Ger)**

ANALYSIS

Placental proteins as tumor markers. Braunstein GD. **Immunol Ser** 1990;53:673-701 (210 ref.)

Human chorionic gonadotropin expression by bladder cancers: biology and clinical potential. Iles RK, et al. **J Urol** 1991 Mar;145(3):453-8 (65 ref.)

DEFICIENCY

[Hypogonadotropic hypogonadism] Seara Aguilar G, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 42:54-9 (41 ref.) **(Spa)**

METABOLISM

Reproductive peptide hormones: generation, degradation, reception, and action. LaBarbera AR, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):576-90 (21 ref.)

PHARMACOLOGY

Programming ovulation. Frydman R. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):535-40 (20 ref.)

Gonadotrophin vaccines. Mitchison NA. **Curr Opin Immunol** 1989-90;2(5):725-7 (7 ref.)

PHYSIOLOGY

Chorionic gonadotrophin and embryo-maternal recognition during the peri-implantation period in primates. Hearn JP, et al. **J Reprod Fertil** 1991 Jul;92(2):497-509 (68 ref.)

SECRETION

[Ectopic production of human chorionic gonadotropin by poorly differentiated transitional cell carcinoma of the renal pelvis] Izumi H, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Oct;81(10):1569-73 (8 ref.) (Eng. Abstr.) **(Jpn)**

GONADOTROPINS, CHORIONIC, HUMAN see **GONADOTROPINS, CHORIONIC**

GONADOTROPINS, EQUINE

CHEMISTRY

Equine chorionic gonadotropin. Murphy BD, et al. **Endocr Rev** 1991 Feb;12(1):27-44 (164 ref.)

GONADOTROPINS, HUMAN MENOPAUSAL see **MENOTROPINS**

GONADOTROPINS, PITUITARY

BIOSYNTHESIS

Regulation of the pituitary gonadotrope by gonadotropin-releasing hormone: multiple intracellular effectors. Waters SB, et al. **Chin J Physiol** 1991;34(1):1-26 (140 ref.)

CHEMISTRY

[Fish pituitary gonadotropins. Characteristics of salmon gonadotropic hormones] Prokopenko IV. **Mol Biol (Mosk)** 1990 Jul-Aug;24(4):882-96 (77 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Pituitary gonadotropin gene regulation. Mercer JE. **Mol Cell Endocrinol** 1990 Oct 1;73(1):C63-7 (60 ref.)

METABOLISM

The gonadotropin-releasing hormone receptor: signals involved in gonadotropin secretion and biosynthesis. Dan-Cohen H, et al. **Horm Res** 1990;33(2-4):76-86 (124 ref.)

PHYSIOLOGY

Gonadotropin-independent precocious puberty. Holland FJ. **Endocrinol Metab Clin North Am** 1991 Mar;20(1):191-210 (64 ref.)

SECRETION

Ontogenic studies of the neural control of adenohypophyseal hormones in the rat: gonadotropins. Becú-Villalobos D, et al. **Cell Mol Neurobiol** 1990 Dec;10(4):473-84 (86 ref.)

Evidence that gonadotrophin surge-attenuating factor exists in man. Messinis IE, et al. **J Reprod Fertil** 1991 May; 92(1):217-23 (35 ref.)

[Gonadotropic adenoma. Clinical and hormonal characteristics] Fossati P, et al. **Ann Endocrinol (Paris)** 1990;51(2):89-96 (77 ref.) (Eng. Abstr.) **(Fre)**

[Hypergonadotropic amenorrhea] Khdaib F, et al. **Akush Ginekol (Mosk)** 1991 Jan;(1):9-12 (65 ref.) **(Rus)**

THERAPEUTIC USE

Human gonadotrophins. Nilsson L, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):503-18 (31 ref.)

Ovarian electrocautery or hormone therapy in the treatment of polycystic ovary syndrome. Vaughan Williams CA.

Clin Endocrinol (Oxf) 1990 Nov;33(5):569–72 (31 ref.)

GONADS

see related
SEX REVERSAL, GONADAL

Gonadotropin releasing hormones. Clinical applications in gynecology. Moghissi KS. **J Reprod Med** 1990 Dec; 35(12):1097–107 (59 ref.)

[Gonadal function after cancer treatments in childhood] Brauner R, et al. **Ann Pediatr (Paris)** 1990 Sep;37(7):437–43 (37 ref.) (Eng. Abstr.) **(Fre)**

ABNORMALITIES

Gonadal disorders in infancy and early childhood. Gondos B. **Ann Clin Lab Sci** 1991 Jan–Feb;21(1):62–9 (26 ref.)

DRUG EFFECTS

Danazol. Donaldson VH. **Am J Med** 1989 Sep; 87(3N):49N–55N (92 ref.)

EMBRYOLOGY

Molecular aspects of the ontogeny of pituitary and gonadal function. Huhtaniemi IT, et al. **Ann N Y Acad Sci** 1991; 626:62–72 (29 ref.)

Effects and role of estrogens in avian gonadal differentiation. Scheib D. **Differentiation** 1983;23 Suppl:S87–92 (69 ref.)

Structural aspects of gonadal differentiation in mammals and birds. Wartenberg H. **Differentiation** 1983;23 Suppl:S64–71 (37 ref.)

X-linked genes and gonadal differentiation. Wolf U. **Differentiation** 1983;23 Suppl:S104–6 (18 ref.)

PATHOLOGY

Gonadal pathology of genetically determined diseases. Scully RE. **Monogr Pathol** 1991;(33):257–85 (61 ref.)

PHYSIOPATHOLOGY

[Hormone diagnosis of diseases of the hypophysis, adrenal glands and gonads] Hubl W, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):99–103 (9 ref.) **(Ger)**

SECRETION

Dynamic organization of endocrine networks. The neuroendocrine-reproductive axis and the pineal gland as examples. Reiter RJ, et al. **Ann N Y Acad Sci** 1991; 618:11–27 (41 ref.)

GONANES

Clinical experience with the recently developed progestogens. Skouby SO, et al. **Int J Fertil** 1991;36 Suppl 1:32–7 (19 ref.)

PHARMACOLOGY

Antitumor activity and mechanism of action of different antiprogestins in experimental breast cancer models. Schneider MR, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):783–7 (9 ref.)

GONDERIASIS see **THEILERIASIS**

GONIOTOMY see **TRABECULECTOMY**

GONOCOCCUS see **NEISSERIA GONORRHOEAE**

GONORRHEA

Pelvic inflammatory disease and other sexually transmitted diseases. Weström L. **Curr Opin Obstet Gynecol** 1989 Oct; 1(1):5–10 (25 ref.)

Gonorrhea. Judson FN. **Med Clin North Am** 1990 Nov; 74(6):1353–66 (17 ref.)

Gonococcal endocarditis complicating pregnancy: a case report and literature review. Bataskov KL, et al. **Obstet Gynecol** 1991 Sep;78(3 (Pt 2)):494–6 (9 ref.)

COMPLICATIONS

Gonococcal osteomyelitis. Case report and review of the literature. Ingram CW, et al. **Arch Intern Med** 1991 Jan; 151(1):177–9 (15 ref.)

DIAGNOSIS

Laboratory methods in genitourinary medicine. Methods of diagnosing gonorrhoea. Ison CA. **Genitourin Med** 1990 Dec;66(6):453–9 (55 ref.)

EPIDEMIOLOGY

Gonorrhoea and syphilis in Sweden--past and present. Danielsson D. **Scand J Infect Dis Suppl** 1990;69:69–76 (11 ref.)

Epidemiology of antibiotic resistant Neisseria gonorrhoeae in industrialized and developing countries. Lind I. **Scand J Infect Dis Suppl** 1990;69:77–82 (23 ref.)

Markers of Neisseria gonorrhoeae for epidemiological studies. Sandström EG, et al. **Scand J Infect Dis Suppl** 1990; 69:149–56 (65 ref.)

ETIOLOGY

Iron acquisition and the pathogenesis of meningococcal and gonococcal disease. van Putten JP. **Med Microbiol Immunol (Berl)** 1990;179(6):289–95 (58 ref.)

Increased risk of neisserial infections in systemic lupus erythematosus. Mitchell SR, et al. **Semin Arthritis Rheum** 1990 Dec;20(3):174–84 (84 ref.)

IMMUNOLOGY

Gonococci are survivors. Sparling PF, et al. **Scand J Infect Dis Suppl** 1990;69:125–36 (94 ref.)

THERAPY

Gonococcal endocarditis: twenty-five year experience. Jackman JD Jr, et al. **Am J Med Sci** 1991 Mar; 301(3):221–30 (67 ref.)

GONOSOMES see **SEX CHROMOSOMES**

GONYAULAX see **DINOFLAGELLIDA**

GOODPASTURE'S SYNDROME

PATHOLOGY

Pulmonary-renal syndrome. Its clinicopathologic approach in 1991. Urizar RE, et al. **N Y State J Med** 1991 May; 91(5):212–21 (72 ref.)

GORDIUS see **HELMINTHS**

GORHAM DISEASE see **OSTEOLYSIS, ESSENTIAL**

GORLIN-PSAUME SYNDROME see **OROFACIODIGITAL SYNDROMES**

GORLIN SYNDROME see **BASAL CELL NEVUS SYNDROME**

GOSSYPOL

Contraception--a look forward, Part II: Mifepristone and gossypol. Woolley RJ. **J Am Board Fam Pract** 1991 Mar–Apr;4(2):103–13 (97 ref.)

GOUT

Review of UK data on the rheumatic diseases--4. Gout. Stewart OJ, et al. **Br J Rheumatol** 1990 Dec;29(6):485–8 (27 ref.)

CHEMICALLY INDUCED

Drug-induced gout. Scott JT. **Baillieres Clin Rheumatol** 1991 Apr;5(1):39–60 (130 ref.)

Gout and vitamin A intoxication: is there a connection? Mawson AR, et al. **Semin Arthritis Rheum** 1991 Apr; 20(5):297–304 (74 ref.)

COMPLICATIONS

[The management of hyperuricemic patients associated with hypertension] Hirata M, et al. **Nippon Rinsho** 1991 May; 49(5):1156–61 (24 ref.) **(Jpn)**

[Gouty nephropathy] Ikeda H, et al. **Nippon Rinsho** 1991 May;49(5):1131–6 (15 ref.) **(Jpn)**

[Clinical findings and pathogenesis of renal impairment in hyperuricemia] Kagami T. **Nippon Rinsho** 1991 May; 49(5):1074–80 (15 ref.) **(Jpn)**

[Hyperlipidemia in gout] Yamamoto T. **Nippon Rinsho** 1991 May;49(5):1144–9 (16 ref.) **(Jpn)**

[Neurological aspects of microcrystalline arthropathies] Siniachenko OV, et al. **Sov Med** 1991;(4):31–3 (49 ref.) **(Rus)**

DIAGNOSIS

Investigation and management of gout in the young and the elderly. Dieppe PA. **Ann Rheum Dis** 1991 Apr;50(4):263–6 (26 ref.)

DIET THERAPY

[Dietary guidance for hyperuricemia and gout: its principle and practice] Nishizawa T. **Nippon Rinsho** 1991 May; 49(5):1102–7 (14 ref.) **(Jpn)**

DRUG THERAPY

Gout and hyperuricemia. Wolfe F. **Am Fam Physician** 1991 Jun;43(6):2141–50 (37 ref.)

The clinical management of gout. Sterling LP. **Am Pharm** 1991 May;NS31(5):52–8 (32 ref.)

[Hyperuricemia: a laboratory finding needing treatment?] Keller C. **Verh Dtsch Ges Inn Med** 1990;96:188–92 (19 ref.) **(Ger)**

[Advances in drugs used to normalize hyperuricemia] Tofuku Y, et al. **Nippon Rinsho** 1991 May;49(5):1081–5 (15 ref.) **(Jpn)**

[Medical control of uric acid in patients with gout--desirable level of serum uric acid and the choice of drugs] Yamanaka H. **Nippon Rinsho** 1991 May;49(5):1093–101 (28 ref.) **(Jpn)**

ENZYMOLOGY

[Molecular biology of phosphoribosyl pyrophosphate synthetase super-or hyperactivity] Iizasa T. **Nippon Rinsho** 1991 May;49(5):1030–5 (20 ref.) **(Jpn)**

ETIOLOGY

Gout and hyperuricemia. Wise CM, et al. **Curr Opin Rheumatol** 1990 Oct;2(5):783–8 (18 ref.)

Gout and hyperuricemia. Roubenoff R. **Rheum Dis Clin North Am** 1990 Aug;16(3):539–50 (36 ref.)

[Metabolic diseases: risk factors, laboratory values, clinical aspects and clinical relevance] Mehnert H. **Verh Dtsch Ges Inn Med** 1990;96:126–37 (21 ref.) **(Ger)**

[New concept of the pathogenesis of gout and hyperuricemia] Nishioka K. **Nippon Rinsho** 1991 May;49(5):1025–9 (10 ref.) **(Jpn)**

GENETICS

[The genetic basis of hyperuricemia due to a decrease in renal urate secretion] Yamanouchi T, et al. **Nippon Rinsho** 1991 May;49(5):1055–9 (7 ref.) **(Jpn)**

METABOLISM

[Micro-crystalline arthropathies: what is new?] Gerster JC, et al. **Rev Med Suisse Romande** 1990 Oct;110(10):851–7 (16 ref.) **(Fre)**

THERAPY

Strategies and controversies in the treatment of gout and hyperuricaemia. Fam AG. **Baillieres Clin Rheumatol** 1991 Aug;4(2):177–92 (40 ref.)

Management of gout. Lockett S. **Practitioner** 1991 Mar; 235(1500):263–7 (7 ref.)

[The prognosis of gout and hyperuricemia--the effect of the treatment on prognosis] Iwatani M, et al. **Nippon Rinsho** 1991 May;49(5):1124–30 (17 ref.) **(Jpn)**

[Clinical management of obesity and diabetes with hyperuricemia] Matsushima M, et al. **Nippon Rinsho** 1991 May;49(5):1150–5 (14 ref.) **(Jpn)**

[Therapy of the gouty patients with ischemic heart diseases or cerebral vascular diseases] Takeuchi F. **Nippon Rinsho** 1991 May;49(5):1137–43 (20 ref.) **(Jpn)**

GOUT SUPPRESSANTS

THERAPEUTIC USE

[Hyperuricemia: a laboratory finding needing treatment?] Keller C. **Verh Dtsch Ges Inn Med** 1990;96:188–92 (19 ref.) **(Ger)**

GOUTY ARTHRITIS see **ARTHRITIS, GOUTY**

GOVERNMENT

Health promotion roles of the federal government and food industry in nutrition and blood pressure. Ernst ND. **Hypertension** 1991 Jan;17(1 Suppl):I196–200 (35 ref.)

Mutagens and carcinogens in the diet. Regulatory perspective: Japan. Sato S. **Prog Clin Biol Res** 1990; 347:295–306 (19 ref.)

The impact of state and society on medical research. Pfaltz CR. **Prog Drug Res** 1990;35:9–23 (12 ref.)

GOVERNMENT AGENCIES

The regulation of biological products. Brown KR. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):502–5 (7 ref.)

GP41(HIV) see **HIV ENVELOPE PROTEIN GP41**

GP120(HIV) see **HIV ENVELOPE PROTEIN GP120**

GRAAFIAN FOLLICLE

see related
OVUM

DRUG EFFECTS

Role of estradiol in regulating ovarian follicular atresia in rhesus monkeys: a review. Hutz RJ, et al. **J Med Primatol** 1990;19(6):553–71 (46 ref.)

ENZYMOLOGY

Protein kinase C in preovulatory follicles from the hen ovary. Tilly JL, et al. **Domest Anim Endocrinol** 1991 Jan;8(1):1–13 (95 ref.)

GROWTH & DEVELOPMENT

Development of follicles in the mammalian ovary. Hirshfield AN. **Int Rev Cytol** 1991;124:43–101 (344 ref.)

[Criteria of the maturity of follicle and oocyte within the scope of in vitro fertilization. An overview] Urdl W. **Wien Med Wochenschr** 1991;141(1–2):2–9 (55 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Production and biologic action of relaxin within the ovarian follicle: an overview. Bagnell CA. **Steroids** 1991 May;

56(5):242–6 (28 ref.)

PHYSIOLOGY

The ovarian follicle: life cycle of a pelvic clock. Scott RT Jr, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):551–62 (32 ref.)

The central control of follicular maturation and ovulation in the human. Leyendecker G, et al. **Oxf Rev Reprod Biol** 1990;12:93–146 (256 ref.)

PHYSIOPATHOLOGY

[Unruptured luteinized follicle syndrome] Mardesic T. **Zentralbl Gynakol** 1990;112(18):1133–41 (42 ref.) (Eng. Abstr.) **(Ger)**

SECRETION

A role for epidermal growth factor in the follicular paracrine system? Hillier SG. **Clin Endocrinol (Oxf)** 1990 Oct; 33(4):427–8 (12 ref.)

GRADENIGO SYNDROME see **OTITIS MEDIA**

GRADUATE RECORDS EXAMINATION see **EDUCATIONAL MEASUREMENT**

GRAFT ENHANCEMENT, IMMUNOLOGIC

Blood transfusion and organ transplantation. Ross WB, et al. **Blood Rev** 1990 Dec;4(4):252–8 (47 ref.)

[Results of clinical and experimental use of cyclosporin A (review of foreign literature)] Vorob'ev AA, et al. **Khirurgiia (Mosk)** 1990 Jun;(6):140–3 (67 ref.) **(Rus)**

GRAFT OCCLUSION, VASCULAR

Myointimal hyperplasia: pathogenesis and implications. 1. In vitro characteristics. Painter TA. **Artif Organs** 1991 Feb; 15(1):42–55 (164 ref.)

[Repeated subinguinal bypass. Report of 85 cases] Delaunay T, et al. **J Chir (Paris)** 1990 Nov;127(11):503–17 (42 ref.) (Eng. Abstr.) **(Fre)**

BLOOD

Platelets and thrombosis in vein graft occlusion: role and prevention. Lam JY, et al. **Cardiovasc Clin** 1991;21(2):67–81 (82 ref.)

DRUG THERAPY

Management of arrhythmias in the postbypass patient. Talajic M, et al. **Cardiovasc Clin** 1991;21(2):211–26 (93 ref.)

Thrombolysis in arterial bypass grafts. Van Breda A. **Semin Thromb Hemost** 1991 Jan;17(1):7–13 (65 ref.)

ETIOLOGY

Coronary risk factors and the postbypass patient. Campeau L. **Cardiovasc Clin** 1991;21(2):123–33 (57 ref.)

Unstable angina: special considerations in the postbypass patient. Théroux P, et al. **Cardiovasc Clin** 1991;21(2):169–91 (123 ref.)

The use of endothelial seeding of prosthetic arterial bypass grafts. Herring MB. **Surg Annu** 1991;23 Pt 2:157–71 (45 ref.)

MORTALITY

Long-term clinical results after coronary artery bypass surgery. Bourassa MG. **Cardiovasc Clin** 1991;21(2):101–21 (58 ref.)

Future implications of current trends in bypass surgery. Lytle BW, et al. **Cardiovasc Clin** 1991;21(2):265–78 (45 ref.)

PATHOLOGY

An overview of intimal hyperplasia. Chervu A, et al. **Surg Gynecol Obstet** 1990 Nov;171(5):433–47 (197 ref.)

PHYSIOPATHOLOGY

Left ventricular function after coronary bypass surgery. Bourassa MG. **Cardiovasc Clin** 1991;21(2):227–37 (49 ref.)

PREVENTION & CONTROL

Endothelial cell seeding. Mosquera DA, et al. **Br J Surg** 1991 Jun;78(6):656–60 (96 ref.)

Antithrombotic therapy in the coronary vein graft patient. Israel DH, et al. **Clin Cardiol** 1991 Apr;14(4):283–95 (76 ref.)

Prevention of stenosis after vascular reconstruction: pharmacologic control of intimal hyperplasia—a review. Clowes AW, et al. **J Vasc Surg** 1991 Jun;13(6):885–91 (59 ref.)

[Anticoagulant or antiplatelet aggregation treatment after aortocoronary bypass] Sagnol P, et al. **Presse Med** 1991 Feb 23;20(7):287–90 (25 ref.) **(Fre)**

RADIOGRAPHY

Changes in grafts and in coronary arteries after coronary bypass surgery. Bourassa MG, et al. **Cardiovasc Clin** 1991; 21(2):83–100 (77 ref.)

THERAPY

Evaluation of the patient with stable angina following coronary artery bypass surgery. Miller DD. **Cardiovasc Clin** 1991;21(2):137–67 (81 ref.)

Angioplasty of bypass grafts and native arteries. Waters D, et al. **Cardiovasc Clin** 1991;21(2):241–56 (35 ref.)

Long-term follow-up after attempted angioplasty of saphenous vein grafts: the Thoraxcenter experience 1981–1988. Meester BJ, et al. **Eur Heart J** 1991 May; 12(5):648–53 (40 ref.)

GRAFT REJECTION

Pathology of transplant rejection and immunosuppressive therapy: Part I—Graft-vs.-host disease and organ rejection. Hafez GR, et al. **Adv Pediatr** 1990;37:307–27 (42 ref.)

Leflunomide (HWA 486), a novel immunomodulating compound for the treatment of autoimmune disorders and reactions leading to transplantation rejection. Bartlett RR, et al. **Agents Actions** 1991 Jan;32(1–2):10–21 (44 ref.)

The pathology of heart allograft rejection. Winters GL. **Arch Pathol Lab Med** 1991 Mar;115(3):266–72 (53 ref.)

The role of TNF in diverse pathologic processes. Kunkel SL, et al. **Biotherapy** 1991;3(2):135–41 (40 ref.)

Bone marrow transplantation for aplastic anemia: recent advances and comparisons with alternative therapies. Champlin RE. **Cancer Treat Res** 1990;50:185–99 (72 ref.)

Antimyosin imaging in cardiac transplant rejection. Johnson LL, et al. **Circulation** 1991 Sep;84(3 Suppl):I273–9 (31 ref.)

Propagation and characterization of lymphocytes from transplant biopsies. Duquesnoy RJ, et al. **Crit Rev Immunol** 1991;10(6):455–80 (284 ref.)

Histological findings in liver allograft rejection—new insights into the pathogenesis of hepatocellular damage in liver allografts [comment] Hubscher SG. **Histopathology** 1991 Apr;18(4):377–83 (58 ref.) Comment on: Histopathology 1991 Apr;18(4):323–30. Comment on: Histopathology 1991 Apr;18(4):331–8.

Orthotopic liver transplantation: management of early postoperative complications [see comments] Forbes GM, et al. **J Gastroenterol Hepatol** 1989 Sep–Oct;4(5):449–56 (41 ref.) Comment in: J Gastroenterol Hepatol 1989 Sep–Oct;4(5):479–81.

Echocardiographic diagnosis of cardiac allograft rejection. Hsu DT, et al. **Prog Cardiovasc Dis** 1990 Nov–Dec; 33(3):149–60 (72 ref.)

The pathology of transplanted hearts. Billingham ME. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):233–40 (24 ref.)

Factors affecting early diagnosis of organ allograft rejection. Burdick JF, et al. **Transplant Proc** 1991 Aug;23(4):2047–51 (34 ref.)

Notes on FK 506. Starzl TE, et al. **Transplant Proc** 1991 Aug;23(4):2178–9 (10 ref.)

Cells mediating allograft rejection. Hall BM. **Transplantation** 1991 Jun;51(6):1141–51 (178 ref.)

Chronic rejection—an undefined conundrum. Tilney NL, et al. **Transplantation** 1991 Sep;52(3):389–98 (165 ref.)

[Causes of failure analysis after cardiac transplantation. From a consecutive series of 91 cases] Ninet J, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):811–6 (14 ref.) (Eng. Abstr.) **(Fre)**

[Inflammation and rejection] Chatenoud L, et al. **Nephrologie** 1990;11(4):189–93 (7 ref.) (Eng. Abstr.) **(Fre)**

[Pathomechanism of the development of chronic obliterative transplantation arteriopathy in human kidney allografts] Nádasdy T, et al. **Morphol Igazsagugyi Orv Sz** 1990 Jul; 30(3):208–19 (42 ref.) (Eng. Abstr.) **(Hun)**

[Design, efficiency and application of experimental methods in heart transplantation] Cabo J, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 39:64–70 (20 ref.) (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

The complications of newer transplant antirejection drugs: treatment with cyclosporin A, OKT3, and FK506. Li PK, et al. **Adverse Drug React Acute Poisoning Rev** 1990 Autumn;9(3):123–55 (199 ref.)

Control of cardiac transplant rejection. Woodley SL, et al. **Compr Ther** 1991 May;17(5):32–8 (14 ref.)

Acute renal allograft rejection: the role of monoclonal antibodies in treatment: experience with orthoclonal anti-T3 cell antibody. McLigeyo SO, et al. **East Afr Med J** 1990 Sep;67(9):667–73 (43 ref.)

Molecular and cellular mechanisms of action of drugs used to modulate the immune response. Dupont E. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):175–80 (51 ref.)

Cyclosporin nephrotoxicity. Neild GH. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):198–203 (53 ref.)

[Mechanism of action and therapeutic use of cyclosporin A. Experimental and clinical experiences in dermatology] Laub R. **Dermatol Monatsschr** 1990;176(5–6):281–91 (55 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

The biology of acute transplant rejection. Tilney NL, et al. **Ann Surg** 1991 Aug;214(2):98–106 (64 ref.)

Immunology of renal allograft rejection. Ratner LE, et al. **Arch Pathol Lab Med** 1991 Mar;115(3):283–7 (61 ref.)

Engraftment of T-cell-depleted bone marrow in murine models for allogeneic bone marrow transplantation. Reisner Y. **Cancer Treat Res** 1990;50:9–25 (44 ref.)

Effect of monoclonal antibodies on primate allograft rejection. Conti DJ, et al. **Crit Rev Immunol** 1990; 10(2):113–30 (120 ref.)

Antibody-mediated rejection of organ grafts. Whitley D, et al. **Curr Opin Immunol** 1989–90;2(6):864–9 (19 ref.)

The immunopathology of intraocular tumour rejection. Niederkorn JY. **Eye** 1991;5 (Pt 2):186–92 (20 ref.)

The contribution of MHC antigen modulation to islet allograft rejection. Markmann JF, et al. **Horm Metab Res Suppl** 1990;25:104–8 (29 ref.)

Corneal allograft rejection. Friedlander MH. **Refract Corneal Surg** 1991 Jan–Feb;7(1):70–2 (11 ref.)

Influence of human leukocyte antigen matching in cardiac transplantation. Festenstein H, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):213–20 (53 ref.)

Strategies of immunosuppression in cardiac transplantation. Renlund DG, et al. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):181–8 (39 ref.)

Mechanisms of cardiac allograft rejection and avenues for immunological monitoring. Rose ML, et al. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):162–74 (73 ref.)

Avenues for acquired immune tolerance. Wood KJ, et al. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):189–97 (56 ref.)

The pathogenesis of vascular rejection. Colvin RB. **Transplant Proc** 1991 Aug;23(4):2052–5 (61 ref.)

Vascular rejection of human cardiac allografts and the role of humoral immunity in chronic allograft rejection. Hammond EH, et al. **Transplant Proc** 1991 Apr;23(2 Suppl 2):26–30 (30 ref.)

[The immunobiology of transplant rejection and its pharmacological modification] Köhler H, et al. **Dtsch Med Wochenschr** 1991 Feb 15;116(7):264–9 (25 ref.) **(Ger)**

[Immunologic monitoring of rejection of allogeneic lung transplant] Stikhanovskaia LD. **Vestn Akad Med Nauk SSSR** 1990;(8):54–60 (65 ref.) **(Rus)**

[Cellular and humoral mechanisms in graft rejection] Blanco A, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 39:123–6 (30 ref.) **(Spa)**

[Mechanism of graft rejection] Kreisler JM. **An Esp Pediatr** 1989 Sep;31 Suppl 39:6–11 (31 ref.) **(Spa)**

PHYSIOLOGY

Diagnostic tools in liver allograft rejection. Paintaud G, et al. **J Hepatol** 1991 Mar;12(2):256–60 (34 ref.)

[Noninvasive monitoring of rejection in heart transplant patients. An overview of current status and use at a small transpiant center] Wasler A, et al. **Wien Klin Wochenschr** 1991;103(4):105–10 (51 ref.) (Eng. Abstr.) **(Ger)**

GRAFT SURVIVAL

Impact of cyclosporine on organ transplantation. Margreiter R. **Transplant Proc** 1991 Aug;23(4):2180–2 (32 ref.)

Triple therapy. Slapak M, et al. **Transplant Proc** 1991 Aug; 23(4):2186–8 (10 ref.)

[Oxygen free radicals and ischemia-reperfusion injury of flaps] Feng F, et al. **Chung Hua Cheng Hsing Shao Shang Wai Ko Tsa Chih** 1990 Dec;6(4):299–301 (23 ref.) **(Chi)**

[Viability of new valvular homografts. An evaluation at the Henri Mondor Hospital] Bloch G, et al. **Ann Chir** 1990; 44(8):593–8 (23 ref.) (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

[Prevention and treatment of flap necrosis by drugs] Zheng JW. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1990 May; 25(3):176–8 (17 ref.) **(Chi)**

[Prolongation of transplantation survival time by a PUVA treatment. Experimental and clinical results] Gruner S, et al. **Z Exp Chir Transplant Kunstliche Organe** 1990; 23(1):32–4 (13 ref.) (Eng. Abstr.) **(Ger)**

[Immunosuppressive agents--advances of the developmental studies and the mode of action] Ochiai T, et al. **Nippon Rinsho** 1991 Jun;49(6):1436–41 (20 ref.) **(Jpn)**

[Results of clinical and experimental use of cyclosporin A (review of foreign literature)] Vorob'ev AA, et al. **Khirurgiia (Mosk)** 1990 Jun;(6):140–3 (67 ref.) **(Rus)**

IMMUNOLOGY

Long-lasting kidney graft survival after immunization with antibody-coated blood cells: mediation by immunosuppressive autoantibodies. Terness P, et al. **Immunol Lett** 1990 Nov;26(2):139–44 (20 ref.)

Neonatal tolerance of H-2 alloantigens. Procuring graft acceptance the "old-fashioned" way. Streilein JW. **Transplantation** 1991 Jul;52(1):1–10 (60 ref.)

GRAFT-VERSUS-HOST DISEASE see **GRAFT VS HOST DISEASE**

GRAFT VS HOST DISEASE

Allogeneic bone marrow transplantation: procedures and complications. Parr MD, et al. **Am J Hosp Pharm** 1991 Jan;48(1):127–37 (140 ref.)

What is graft versus host disease? van Bekkum DW. **Bone Marrow Transplant** 1991;7 Suppl 2:110–1 (15 ref.)

Graft-versus-host disease [see comments] Ferrara JL, et al. **N Engl J Med** 1991 Mar 7;324(10):667–74 (55 ref.) Comment in: N Engl J Med 1991 Aug 1;325(5):357–8.

Graft-versus-host disease in experimental allogeneic bone marrow transplantation. Korngold R, et al. **Proc Soc Exp Biol Med** 1991 May;197(1):12–8 (41 ref.)

Cutaneous expression of graft-v-host disease in man. Mauduit G, et al. **Semin Dermatol** 1988 Jun;7(2):149–55 (34 ref.)

[Liver changes in bone marrow transplantation] Bruguera M, et al. **Med Clin (Barc)** 1991 Apr 6;96(13):510–4 (74 ref.) **(Spa)**

BLOOD

Lymphokines and the acute-phase response in clinical bone marrow transplantation. Cohen J, et al. **Eur Cytokine Netw** 1990 Oct-Nov;1(4):251–5 (20 ref.)

DIAGNOSIS

[Graft vs host disease in a child undergoing allogeneic bone marrow transplantation] Nespoli L, et al. **Pediatr Med Chir** 1991 Jan-Feb;13(1):17–23 (49 ref.) (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Pathogenesis and recent therapeutic approaches to graft-versus-host disease. Storb R. **J Pediatr** 1991 Mar; 118(3):S10–3 (33 ref.)

ETIOLOGY

Graft-versus-host disease. Parkman R. **Annu Rev Med** 1991; 42:189–97 (32 ref.)

Transfusion-associated graft-vs-host disease in patients with malignancies. Report of two cases and review of the literature [see comments] Decoste SD, et al. **Arch Dermatol** 1990 Oct;126(10):1324–9 (50 ref.) Comment in: Arch Dermatol 1990 Oct;126(10):1347–50.

Transfusion-induced graft-versus-host disease in patients with malignant lymphoma. A case report and review of the literature. Spitzer TR, et al. **Cancer** 1990 Dec 1; 66(11):2346–9 (31 ref.)

A clinical review: cutaneous manifestations of acute and chronic graft-versus-host disease following bone marrow transplantation. Tanaka K, et al. **J Dermatol** 1991 Jan; 18(1):11–7 (42 ref.)

Pathogenesis and recent therapeutic approaches to graft-versus-host disease. Storb R. **J Pediatr** 1991 Mar; 118(3):S10–3 (33 ref.)

Hepatic involvement in graft-versus-host disease associated with blood transfusion. Sakai H, et al. **Jpn J Med** 1990 Nov-Dec;29(6):633–6 (19 ref.)

[Transfusion-associated graft-versus-host disease and its prevention] Israeli S, et al. **Harefuah** 1990 Aug; 119(3–4):86–9 (38 ref.) **(Heb)**

[Transfusion associated graft versus host disease] Takahashi K, et al. **Rinsho Byori** 1991 Mar;Suppl 88:148–55 (28 ref.) **(Jpn)**

[Nephrological complications after bone marrow transplantation] Ratajczak MZ, et al. **Pol Tyg Lek** 1990 Oct 1–8;45(40–41):836–40 (34 ref.) **(Pol)**

[Gastroenterological complications after bone marrow transplantation] Ratajczak MZ, et al. **Pol Tyg Lek** 1990 Aug 20–27;45(34–35):716–20 (33 ref.) **(Pol)**

IMMUNOLOGY

The role of minor histocompatibility antigens in GVHD and rejection: a mini-review. Goulmy E, et al. **Bone Marrow Transplant** 1991;7 Suppl 1:49–51 (30 ref.)

Pathophysiology of graft-versus-host disease directed to minor histocompatibility antigens. Korngold R. **Bone Marrow Transplant** 1991;7 Suppl 1:38–41 (25 ref.)

Selection of marrow donors for patients lacking an HLA-identical sibling. Anasetti C, et al. **Cancer Treat Res** 1990;50:129–40 (28 ref.)

Recapitulation of immune ontogeny: a vital component for the success of bone marrow transplantation. Lum LG. **Cancer Treat Res** 1990;50:27–54 (182 ref.)

Bone marrow transplantation and graft-versus-host disease. Powles RL. **Curr Opin Immunol** 1989–90;2(6):870–5 (19 ref.)

Human graft-versus-host disease. Parkman R. **Immunodefic Rev** 1991;2(4):253–64 (60 ref.)

Immunobiology of bone marrow transplantation as treatment for hematologic malignancies. Champlin R. **Transplant Proc** 1991 Aug;23(4):2123–7 (81 ref.)

[TNF-alpha in allogeneic bone marrow transplantation. Significance for immunologic reconstitution, acute graft versus host disease and risk of complications after bone marrow transplantation] Holler E. **Fortschr Med** 1991 Apr 20;109(12):263–6 (0 ref.) (Eng. Abstr.) **(Ger)**

[Antonio Raichs lecture. Graft versus host disease and the graft-against-leukemia reaction. Memorial lecture] Rozman C. **Sangre (Barc)** 1990 Dec;35(6):465–73 (80 ref.) **(Spa)**

PATHOLOGY

Pathology of transplant rejection and immunosuppressive therapy: Part I--Graft-vs.-host disease and organ rejection. Hafez GR, et al. **Adv Pediatr** 1990;37:307–27 (42 ref.)

Graft-versus-host disease--a histological perspective. Sloane JP. **Blood Rev** 1990 Sep;4(3):196–203 (48 ref.)

Chronic graft-versus-host disease. Sullivan KM. **Cancer Treat Res** 1990;50:79–98 (112 ref.)

Acute graft-versus-host disease. Vogelsang GB. **Cancer Treat Res** 1990;50:55–77 (110 ref.)

Graft-versus-host disease and animal models for scleroderma. Claman HN. **Curr Opin Rheumatol** 1990 Dec; 2(6):929–31 (5 ref.)

Murine models of graft-versus-host disease with features of scleroderma. Charley MR, et al. **Immunol Ser** 1989; 46:625–40 (20 ref.)

Mast cells in murine graft-versus-host disease: a model of immunologically induced fibrosis. Choi KL, et al. **Immunol Ser** 1989;46:641–51 (39 ref.)

PHYSIOPATHOLOGY

Chronic graft-versus-host disease and other late complications of bone marrow transplantation. Sullivan KM, et al. **Semin Hematol** 1991 Jul;28(3):250–9 (75 ref.)

PREVENTION & CONTROL

Variation in blood component irradiation practice: implications for prevention of transfusion-associated graft-versus-host disease. Anderson KC, et al. **Blood** 1991 May 15;77(10):2096–102 (80 ref.)

Perspectives in the prevention and treatment of acute graft versus host disease. Herve P. **Bone Marrow Transplant** 1991;7 Suppl 2:117–9 (12 ref.)

Graft versus host disease prophylaxis today. Martelli MF, et al. **Bone Marrow Transplant** 1991;7 Suppl 2:112–6 (22 ref.)

T-cell depletion for bone marrow transplantation: effects on graft rejection, graft-versus-host disease, graft-versus-leukemia, and survival. Champlin RE. **Cancer Treat Res** 1990;50:99–111 (81 ref.)

Graft-versus-host disease. Vogelsang GB. **Curr Opin Oncol** 1990 Apr;2(2):285–8 (23 ref.)

The role of immunoglobulin in bone marrow transplantation. Saral R. **Transplant Proc** 1991 Aug;23(4):2128–32 (40 ref.)

Transfusion-associated graft-versus-host disease. Rappeport JM. **Yale J Biol Med** 1990 Sep-Oct;63(5):445–54 (58 ref.)

[Prevention of graft vs. host disease in pediatric post-transfusion patients] Buñuel Guillén C, et al. **An Esp Pediatr** 1991 May;34(5):335–7 (41 ref.) **(Spa)**

THERAPY

[The control of GVHD and immunodeficiency] Imamura M, et al. **Rinsho Ketsueki** 1991 Apr;32(4):372–5 (15 ref.) (Eng. Abstr.) **(Jpn)**

GRAFT VS HOST REACTION

see related
GRAFT VS HOST DISEASE

First Medawar prize lecture. The recirculating small lymphocyte. Gowans JL. **Transplant Proc** 1991 Feb;23(1 Pt 1):7–8 (0 ref.)

[A picture of epidermal necrolysis after hepatic allograft. Etiologic aspects] Merle C, et al. **Ann Dermatol Venereol** 1990;117(9):635–9 (25 ref.) **(Fre)**

IMMUNOLOGY

The graft versus leukemia effect: possible mechanisms and clinical significance to the biologic therapy of leukemia. Sosman JA, et al. **Bone Marrow Transplant** 1991;7 Suppl 1:33–7 (77 ref.)

Graft-versus-leukaemia after bone marrow transplantation. Barret AJ. **Pediatr Med Chir** 1991 Jan-Feb;13(1):9–13 (23 ref.)

Red cell antibodies arising from solid organ transplants. Ramsey G. **Transfusion** 1991 Jan;31(1):76–86 (87 ref.)

[Graft vs host reactions] López-Botet M. **An Esp Pediatr** 1989 Sep;31 Suppl 39:12–6 (25 ref.) **(Spa)**

GRAFTING, BONE see **BONE TRANSPLANTATION**

GRAFTING, BONE MARROW see **BONE MARROW TRANSPLANTATION**

GRAFTING, BRAIN TISSUE see **BRAIN TISSUE TRANSPLANTATION**

GRAFTING, CORNEAL see **CORNEAL TRANSPLANTATION**

GRAFTING, FETAL TISSUE see **FETAL TISSUE TRANSPLANTATION**

GRAFTING, HEART see **HEART TRANSPLANTATION**

GRAFTING, HEART-LUNG see **HEART-LUNG TRANSPLANTATION**

GRAFTING, ISLETS OF LANGERHANS see **ISLETS OF LANGERHANS TRANSPLANTATION**

GRAFTING, KIDNEY see **KIDNEY TRANSPLANTATION**

GRAFTING, LIVER see **LIVER TRANSPLANTATION**

GRAFTING, LUNG see **LUNG TRANSPLANTATION**

GRAFTING, ORGAN see **ORGAN TRANSPLANTATION**

GRAFTING, PANCREAS see **PANCREAS TRANSPLANTATION**

GRAFTING, SKIN see **SKIN TRANSPLANTATION**

GRAFTING, TISSUE see **TISSUE TRANSPLANTATION**

GRAIN see **CEREALS**

GRAM-NEGATIVE AEROBIC BACTERIA

Clinical trials of selective decontamination of the digestive tract: review. Reidy JJ, et al. **Crit Care Med** 1990 Dec; 18(12):1449–56 (38 ref.)

The use of aztreonam in pediatric patients: a review. Bosso JA, et al. **Pharmacotherapy** 1991;11(1):20–5 (47 ref.)

DRUG EFFECTS

Impact of antimicrobial agents on human intestinal microflora. Nord CE, et al. **J Chemother** 1990 Aug; 2(4):218–37 (70 ref.)

GRAM-NEGATIVE BACTERIA

Pathophysiology and treatment of gram-negative sepsis. DiPiro JT. **Am J Hosp Pharm** 1990 Nov;47(11 Suppl 3):S6–10 (16 ref.)

Overview of gram-negative sepsis. Dudley MN. **Am J Hosp Pharm** 1990 Nov;47(11 Suppl 3):S3–6 (14 ref.)

Gram-negative sepsis. Background, clinical features, and intervention. Bone RC. **Chest** 1991 Sep;100(3):802–8 (48 ref.)

Role of endotoxin and host cytokines in septic shock. Dunn DL. **Chest** 1991 Sep;100(3 Suppl):164S–168S (50 ref.)

Cytokines and septic shock. Calandra T, et al. **Diagn Microbiol Infect Dis** 1990 Sep-Oct;13(5):377–81 (45 ref.)

Prevention of infection by ciprofloxacin in neutropenia. Warren RE, et al. **J Antimicrob Chemother** 1990 Dec;26 Suppl F:109–23 (66 ref.)

Pore-forming cytolysins of gram-negative bacteria. Welch RA. **Mol Microbiol** 1991 Mar;5(3):521–8 (92 ref.)

Serious infections involving the CDC group Ve bacteria Chryseomonas luteola and Flavimonas oryzihabitans. Hawkins RE, et al. **Rev Infect Dis** 1991 Mar-Apr; 13(2):257–60 (19 ref.)

Clinical experience with aztreonam for treatment of infections in children. Stutman HR. **Rev Infect Dis** 1991 May-Jun;13 Suppl 7:S582–5 (20 ref.)

Gram-negative colonization of the respiratory tract: pathogenesis and clinical consequences. Niederman MS. **Semin Respir Infect** 1990 Sep;5(3):173–84 (56 ref.)

How and why aztreonam works. Rittenbury MS. **Surg Gynecol Obstet** 1990;171 Suppl:19–23 (16 ref.)

[A new pathogenic organism in human disease. Dysyonic fermenter type 2 infection] Zhang J. **Chung Hua I Hsueh Tsa Chih** 1991 Jan;71(1):51–3 (16 ref.) **(Chi)**

[Infectious endocarditis caused by Gram-negative bacteria] Paya CV, et al. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:8–11 (31 ref.) **(Spa)**

CYTOLOGY

Structure and functions of the periplasmic space. Markiewicz Z. **Acta Microbiol Pol** 1989;38(3–4):199–206 (27 ref.)

Temporal and spatial regulation of differentiation in Caulobacter crescentus. Newton A. **Microbiol Sci** 1987 Nov;4(11):338–41 (29 ref.)

DRUG EFFECTS

Antimicrobial activity and spectrum of ceftibuten (7432-S, SCH 39720)--a review of United States and Canadian results. Jones RN. **Diagn Microbiol Infect Dis** 1991 Jan-Feb;14(1):37–43 (24 ref.)

A review of the antimicrobial activity of the fluoroquinolones. Maple P, et al. **J Chemother** 1990 Oct; 2(5):280–94 (112 ref.)

An explicit model for bacterial resistance: application to beta-lactam antibiotics. Waley SG. **Microbiol Sci** 1987 May;4(5):143–6 (25 ref.)

Current antibacterial therapy for neonatal sepsis and meningitis. Klein JO. **Pediatr Infect Dis J** 1990 Oct; 9(10):783–4 (4 ref.)

GENETICS

Genetics of extracellular protein secretion by gram-negative bacteria. Pugsley AP, et al. **Annu Rev Genet** 1990;24:67–90 (79 ref.)

Replication and maintenance of promiscuous plasmids of gram-negative bacteria. Pinkney M, et al. **Microbiol Sci** 1987 Jun;4(6):186-91 (40 ref.)
Molecular evolution of ubiquitous beta-lactamases towards extended-spectrum enzymes active against newer beta-lactam antibiotics. Collatz E, et al. **Mol Microbiol** 1990 Oct;4(10):1615-20 (35 ref.)
The hok killer gene family in gram-negative bacteria. Gerdes K, et al. **New Biol** 1990 Nov;2(11):946-56 (37 ref.)

IMMUNOLOGY

Anti-lipopolysaccharide antibodies in gram-negative bacteremia. Baumgartner JD. **Behring Inst Mitt** 1991 Feb; (88):216-21 (20 ref.)
Endotoxin as an alarm signal of bacterial invasion: current evidence and implications. LeGrand EK.
J Am Vet Med Assoc 1990 Aug 15;197(4):454-6 (40 ref.)
Development and potential use of antibody directed against lipopolysaccharide for the treatment of gram-negative bacterial sepsis. Dunn DL. **J Trauma** 1990 Dec;30(12 Suppl):S100-6 (71 ref.)

ISOLATION & PURIFICATION

Infections with Chryseomonas luteola (CDC group Ve-1) and Flavimonas oryzihabitans (CDC group Ve-2) in neurosurgical patients. Kostman JR, et al.
Rev Infect Dis 1991 Mar-Apr;13(2):233-6 (17 ref.)

METABOLISM

Microbial biosensors for environmental monitoring. Gaisford WC, et al. **Biochem Soc Trans** 1991 Feb;19(1):15-8 (7 ref.)
Impermeability to quinolones in gram-positive and gram-negative bacteria. Bryan LE, et al.
Eur J Clin Microbiol Infect Dis 1991 Apr;10(4):232-9 (40 ref.)
The oxidation of methanol in gram-negative bacteria. Anthony C. **FEMS Microbiol Rev** 1990 Dec;7(3-4):209-14 (19 ref.)
Penetration of antibiotics to their target sites. Chopra I.
J Antimicrob Chemother 1990 Nov;26(5):607-9 (12 ref.)
Mechanism of quinolone uptake into bacterial cells. Piddock LJ. **J Antimicrob Chemother** 1991 Apr;27(4):399-403 (24 ref.)
Antibiotic permeation through the bacterial outer membrane. Georgopapadakou NH. **J Chemother** 1990 Oct;2(5):275-9 (55 ref.)
A new model of macrophage stimulation by bacterial lipopolysaccharide. Ulevitch RJ, et al. **J Trauma** 1990 Dec; 30(12 Suppl):S189-92 (25 ref.)
TonB and the gram-negative dilemma. Postle K.
Mol Microbiol 1990 Dec;4(12):2019-25 (63 ref.)

PATHOGENICITY

Cat-scratch disease bacteria. Arlet G, et al.
Nouv Rev Fr Hematol 1990;32(6):461-3 (24 ref.)

PHYSIOLOGY

Changes in pulmonary surfactant during bacterial pneumonia. Brogden KA. **Antonie Van Leeuwenhoek** 1991 May; 59(4):215-23 (39 ref.)
TonB; a model for signal transduction between membranes. Hannavy K, et al. **Biochem Soc Trans** 1991 Apr;19(2):530-2 (23 ref.)
Family Spirosomaceae: gram-negative ring-forming aerobic bacteria. Raj HD, et al. **Crit Rev Microbiol** 1990; 17(5):329-64 (111 ref.)
TraT lipoprotein, a plasmid-specified mediator of interactions between gram-negative bacteria and their environment. Sukupolvi S, et al. **Microbiol Rev** 1990 Dec; 54(4):331-41 (105 ref.)
Bacterial translocation. Edmiston CE Jr, et al.
Surg Gynecol Obstet 1991 Jul;173(1):73-83 (84 ref.)

ULTRASTRUCTURE

Contribution of immunogold labelling to study of the outer membrane of gram-negative bacteria. Ryter A.
Microbiol Sci 1987 Sep;4(9):270-3 (24 ref.)

GRAM-NEGATIVE CHEMOLITHOTROPHIC BACTERIA

GENETICS

Functions coded by plasmids in chemolithotrophic bacteria. Jagusztyn-Krynicka EK, et al. **Acta Microbiol Pol** 1990; 39(1-2):5-11 (55 ref.)

GRAM-POSITIVE BACTERIA

[Case of primary aorto-jejunal fistula caused by gram-positive cocci] Tsukamoto Y, et al.
Nippon Geka Gakkai Zasshi 1991 Jun;92(6):750-2 (9 ref.) (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Screening and treatment of infections caused by resistant enterococci. Herman DJ, et al.
Antimicrob Agents Chemother 1991 Feb;35(2):215-9 (76 ref.)
Antimicrobial activity and spectrum of ceftibuten (7432-S, SCH 39720)--a review of United States and Canadian results. Jones RN. **Diagn Microbiol Infect Dis** 1991 Jan-Feb;14(1):37-43 (24 ref.)
Infections due to gram-positive organisms in children: possible role for teicoplanin. Dagan R, et al.
J Antimicrob Chemother 1991 Apr;27 Suppl B:37-41 (21 ref.)
Penetration into tissues of various drugs active against gram-positive bacteria. Kropec A, et al.
J Antimicrob Chemother 1991 Apr;27 Suppl B:9-15 (17 ref.)
The role of gram-positive therapy in the neutropenic patient. Menichetti F, et al. **J Antimicrob Chemother** 1991 Apr;27 Suppl B:51-60 (30 ref.)
A review of the antimicrobial activity of the fluoroquinolones. Maple P, et al. **J Chemother** 1990 Oct; 2(5):280-94 (112 ref.)

GENETICS

Genetic analysis of gram-positive toxin determinants: the impact of new technologies. Dougan G, et al.
Microbiol Sci 1985 May;2(5):144-7 (11 ref.)

METABOLISM

Microbial biosensors for environmental monitoring. Gaisford WC, et al. **Biochem Soc Trans** 1991 Feb;19(1):15-8 (7 ref.)
Impermeability to quinolones in gram-positive and gram-negative bacteria. Bryan LE, et al.
Eur J Clin Microbiol Infect Dis 1991 Apr;10(4):232-9 (40 ref.)

GRAMICIDINS

METABOLISM

Gramicidin, VDAC, porin and perforin channels. Levitt D. **Curr Opin Cell Biol** 1990 Aug;2(4):689-94 (20 ref.)

GRAMINEA see **GRASSES**

GRANA see **CHLOROPLASTS**

GRANTS AND SUBSIDIES, GOVERNMENT see **FINANCING, GOVERNMENT**

GRANTS AND SUBSIDIES, RESEARCH see **RESEARCH SUPPORT**

GRANULAR DYSTROPHY, CORNEAL see **CORNEAL DYSTROPHIES, HEREDITARY**

GRANULOCYTE COLONY-STIMULATING FACTOR

[Granulocyte colony-stimulating factors] Li XY, et al.
Chung Hua Nei Ko Tsa Chih 1990 Nov;29(11):689-91 (14 ref.) **(Chi)**

PHARMACOLOGY

Molecular analysis of primitive hematopoietic cell proliferation control mechanisms. Eaves CJ, et al.
Ann N Y Acad Sci 1991;628:298-306 (23 ref.)
Granulocyte colony-stimulating factor. Nicola NA.
Immunol Ser 1990;49:77-109 (88 ref.)

PHYSIOLOGY

Control of proliferation by myeloid growth factors. Vallance SJ, et al. **Biochem Soc Trans** 1991 Apr;19(2):307-15 (126 ref.)
G-CSF and M-CSF: from molecular biology to clinical application. Herrmann F, et al. **Biotherapy** 1990;2(4):315-24 (97 ref.)
[The role of hematopoietic growth factors in the regulation of normal and pathological hematopoiesis] Welte K.
Verh Dtsch Ges Pathol 1990;74:25-7 (15 ref.) (Eng. Abstr.) **(Ger)**
[Granulocytopoietic growth factors. Biological properties] Skotnicki AB, et al. **Przegl Lek** 1990;47(8):607-14 (26 ref.) **(Pol)**

THERAPEUTIC USE

G-CSF and M-CSF: from molecular biology to clinical application. Herrmann F, et al. **Biotherapy** 1990;2(4):315-24 (97 ref.)
The use of hematopoietic growth factors in HIV infection and AIDS-related malignancies. Miles SA.
Cancer Invest 1991;9(2):229-38 (40 ref.)
The role of colony-stimulating factors in bone marrow transplantation. Sheridan WP. **Cancer Invest** 1991; 9(2):221-8 (76 ref.)
Clinical studies of granulocyte colony stimulating factor (G-CSF). Scarffe JH, et al. **Cancer Surv** 1990;9(1):115-30 (44 ref.)
Clinical use of biologic response modifiers in cancer treatment: an overview. Part II. Colony-stimulating factors and interleukin-2. Balmer CM. **DICP** 1991 May;25(5):490-8 (87 ref.)
Towards improved cancer therapy using subcutaneously administered hemopoietic colony stimulating factors. Morstyn G, et al. **Prog Clin Biol Res** 1990;354B:29-36 (12 ref.)
The role of granulocyte colony-stimulating factor in cancer chemotherapy. Davis I, et al. **Semin Hematol** 1991 Apr;28(2 Suppl 2):25-33 (72 ref.)
The impact of myeloid growth factors on engraftment following autologous bone marrow transplantation for malignant lymphoma. Rabinowe SN, et al.
Semin Hematol 1991 Apr;28(2 Suppl 2):6-16 (27 ref.)
G-CSF and GM-CSF in clinical trials. Antman KH.
Yale J Biol Med 1990 Sep-Oct;63(5):387-410 (153 ref.)
[Myeloid hemopoietic growth factors. Therapeutic possibilities and clinical experiences] Hansen B, et al.
Ugeskr Laeger 1990 Oct 29;152(44):3232-7 (30 ref.) (Eng. Abstr.) **(Dan)**
[Granulo-monocyte growth factors. Their value in pneumonologic oncologic practice] Trédaniel J, et al.
Rev Mal Respir 1991;8(1):39-44 (21 ref.) (Eng. Abstr.) **(Fre)**
[GM-CSF and G-CSF: cytokines in clinical application] Ruef C, et al. **Schweiz Med Wochenschr** 1991 Mar 23; 121(12):397-412 (120 ref.) (Eng. Abstr.) **(Ger)**
[Clinical applications of G-CSF] Asano S.
Gan To Kagaku Ryoho 1990 Oct;17(10):1997-2004 (40 ref.) (Eng. Abstr.) **(Jpn)**

GRANULOCYTE-MACROPHAGE COLONY-STIMULATING FACTOR

PHARMACOLOGY

Molecular analysis of primitive hematopoietic cell proliferation control mechanisms. Eaves CJ, et al.
Ann N Y Acad Sci 1991;628:298-306 (23 ref.)
Granulocyte-macrophage colony-stimulating factor. Gough NM, et al. **Immunol Ser** 1990;49:111-53 (212 ref.)

PHYSIOLOGY

Control of proliferation by myeloid growth factors. Vallance SJ, et al. **Biochem Soc Trans** 1991 Apr;19(2):307-15 (126 ref.)
Granulocyte-macrophage colony-stimulating factor. Devereux S, et al. **Biotherapy** 1990;2(4):305-13 (77 ref.)
Molecular physiology of granulocyte-macrophage colony-stimulating factor. Gasson JC. **Blood** 1991 Mar 15; 77(6):1131-45 (216 ref.)
Hematopoietic effects of a granulocyte-macrophage colony-stimulating factor/interleukin-3 fusion protein. Williams DE, et al. **Cancer** 1991 May 15;67(10 Suppl):2705-7 (5 ref.)
Growth regulation of malignant clonogenic cells in acute myeloid leukemia. Cannistra SA. **Curr Opin Oncol** 1991 Feb;3(1):4-12 (43 ref.)
Interleukin-3 (IL-3) and granulocyte-macrophage colony-stimulating factor (GM-CSF): two cytokines increasing histamine synthesis by hematopoietic cells. Dy M, et al. **Eur Cytokine Netw** 1991 May-Jun;2(3):153-72 (195 ref.)
Granulocyte-macrophage colony stimulating factor (GM-CSF); sources, targets and mechanism of action. Pistoia V. **Leukemia** 1991;5 Suppl 1:114-8 (54 ref.)
Regulation of human megakaryocytopoiesis. Han ZC, et al. **Nouv Rev Fr Hematol** 1990;32(6):395-6 (10 ref.)
[The role of hematopoietic growth factors in the regulation of normal and pathological hematopoiesis] Welte K.
Verh Dtsch Ges Pathol 1990;74:25-7 (15 ref.) (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

New therapeutic modalities for the clinical use of rhGM-CSF in patients with malignancies. Schulz G, et al.
Am J Clin Oncol 1991;14 Suppl 1:S19-26 (32 ref.)
The use of recombinant human granulocyte macrophage colony-stimulating factor in autologous bone marrow transplantation. Nemunaitis JJ, et al.
Bone Marrow Transplant 1991;7 Suppl 3:24-7 (13 ref.)
The use of hematopoietic growth factors in HIV infection and AIDS-related malignancies. Miles SA.
Cancer Invest 1991;9(2):229-38 (40 ref.)
The role of colony-stimulating factors in bone marrow transplantation. Sheridan WP. **Cancer Invest** 1991; 9(2):221-8 (76 ref.)
The potential role of granulocyte-macrophage colony stimulating factor (GM-CSF) in cancer chemotherapy. Cebon JS, et al. **Cancer Surv** 1990;9(1):131-55 (123 ref.)
Role of human recombinant GM-CSF in the prevention and treatment of leukopenia with special reference to infectious diseases. Stern AC, et al. **Diagn Microbiol Infect Dis** 1990 Sep-Oct;13(5):391-6 (48 ref.)
Clinical use of biologic response modifiers in cancer treatment: an overview. Part II. Colony-stimulating factors and interleukin-2. Balmer CM. **DICP** 1991 May;25(5):490-8 (87 ref.)
Granulocyte-macrophage colony-stimulating factor in neutropenia. Hogan KR, et al. **DICP** 1991 Jan;25(1):32-5 (18 ref.)
The biology and clinical applications of granulocyte-macrophage colony-stimulating factor. Sakamoto KM, et al. **J Pediatr** 1991 Mar;118(3):S17-20 (23 ref.)
Use of granulocyte-macrophage colony stimulating factor (GM-CSF) to support intensive chemotherapy.

Klingemann HG. **Prog Clin Biol Res** 1990;354B:211–8 (14 ref.)

Towards improved cancer therapy using subcutaneously administered hemopoietic colony stimulating factors. Morstyn G, et al. **Prog Clin Biol Res** 1990;354B:29–36 (12 ref.)

Management of the hematologic complications of human immunodeficiency virus infection. Groopman JE. **Rev Infect Dis** 1990 Sep–Oct;12(5):931–7 (8 ref.)

Interleukin 3 alone and in combination with GM–CSF in the treatment of patients with neoplastic disease. Hoelzer D, et al. **Semin Hematol** 1991 Apr;28(2 Suppl 2):17–24 (31 ref.)

The impact of myeloid growth factors on engraftment following autologous bone marrow transplantation for malignant lymphoma. Rabinowe SN, et al. **Semin Hematol** 1991 Apr;28(2 Suppl 2):6–16 (27 ref.)

G–CSF and GM–CSF in clinical trials. Antman KH. **Yale J Biol Med** 1990 Sep–Oct;63(5):387–410 (153 ref.)

[Myeloid hemopoietic growth factors. Therapeutic possibilities and clinical experiences] Hansen B, et al. **Ugeskr Laeger** 1990 Oct 29;152(44):3232–7 (30 ref.) (Eng. Abstr.) **(Dan)**

[Granulo–monocyte growth factors. Their value in pneumonologic oncologic practice] Trédaniel J, et al. **Rev Mal Respir** 1991;8(1):39–44 (21 ref.) (Eng. Abstr.) **(Fre)**

[GM–CSF and G–CSF: cytokines in clinical application] Ruef C, et al. **Schweiz Med Wochenschr** 1991 Mar 23; 121(12):397–412 (120 ref.) (Eng. Abstr.) **(Ger)**

[Colony stimulating factor (CSF)—various aspects of its therapeutic use] Zduńczyk A. **Pol Arch Med Wewn** 1990 Jul;84(1):44–53 (36 ref.) **(Pol)**

[Granulocytopoiesis growth factors. II. Clinical applications] Skotnicki AB, et al. **Przegl Lek** 1990;47(9):651–8 (28 ref.) **(Pol)**

GRANULOCYTES

The myeloid colony-stimulating factors: introduction and overview. Peters WP. **Semin Hematol** 1991 Apr;28(2 Suppl 2):1–5 (13 ref.)

[Storage of granulocytes] Verstraeten L, et al. **Ann Biol Clin (Paris)** 1991;49(3):161–5 (44 ref.) (Eng. Abstr.) **(Fre)**

CYTOLOGY

Leukocytes and resident blood cells in endometrium. Bulmer JN, et al. **Ann N Y Acad Sci** 1991;622:57–68 (41 ref.)

[Molecular aspects of proliferation and differentiation of human myeloid leukemia cell HL–60] Yamada M, et al. **Tanpakushitsu Kakusan Koso** 1991 Jan;36(1):41–53 (99 ref.) **(Jpn)**

[Granulocytopoietic growth factors. Biological properties] Skotnicki AB, et al. **Przegl Lek** 1990;47(8):607–14 (26 ref.) **(Pol)**

DRUG EFFECTS

Comparative pharmacokinetics of glycopeptide antibiotics, and the influence of teicoplanin on granulocyte function. Lode H, et al. **Scand J Infect Dis Suppl** 1990;72:9–13 (7 ref.)

IMMUNOLOGY

Perspectives of leukocyte activation in the microcirculation. Schmid-Schönbein GW, et al. **Biorheology** 1990; 27(6):859–69 (60 ref.)

Macrophage–granulocyte interactions in allergic diseases. Lee TH. **Clin Exp Allergy** 1990 Sep;20(5):469–73 (39 ref.)

METABOLISM

Activation of the oxidative metabolism in human polymorphonuclear neutrophilic granulocytes: the role of immuno–modulating cytokines. Kapp A, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):94S–99S (68 ref.)

Activation of the erythropoietin receptor in stable lymphoid and myeloid transfectants. D'Andrea AD, et al. **Semin Hematol** 1991 Apr;28(2):152–7 (14 ref.)

[Lysosomal cationic proteins in neutrophilic granulocytes during phagocytosis and inflammation] Kokriakov VN. **Vopr Med Khim** 1990 Nov–Dec;36(6):13–6 (37 ref.) (Eng. Abstr.) **(Rus)**

[Functional morphology of lysosomal cationic proteins in neutrophilic granulocytes] Mazing IuA. **Vopr Med Khim** 1990 Nov–Dec;36(6):8–10 (47 ref.) (Eng. Abstr.) **(Rus)**

PATHOLOGY

Inverted papilloma of the urinary bladder with granular eosinophilic cells. An unusual neuroendocrine variant. Summers DE, et al. **Arch Pathol Lab Med** 1991 Aug; 115(8):802–6 (45 ref.)

Immune thrombocytopenia and May–Hegglin anomaly during pregnancy. Siddiqui T, et al. **J Fla Med Assoc** 1991 Feb;78(2):88–92 (29 ref.)

[Colony stimulating factor (CSF)—various aspects of its therapeutic use] Zduńczyk A. **Pol Arch Med Wewn** 1990 Jul;84(1):44–53 (36 ref.) **(Pol)**

PHYSIOLOGY

Adherence-induced enhancement of the oxidative burst of human neutrophilic granulocytes: effects of the surface coat and of divalent cations. Kownatzki E, et al. **Agents Actions** 1991 Jan;32(1–2):41–5 (22 ref.)

Granulocyte function in coronary artery disease. de Servi S, et al. **Am J Cardiol** 1991 Sep 3;68(7):64B–68B (26 ref.)

[Pathophysiological basis of the adult respiratory distress syndrome: the role of leukocytes and oxygen radicals] van Asbeck BS, et al. **Ned Tijdschr Geneeskd** 1991 Jan 26; 135(4):117–22 (46 ref.) **(Dut)**

[Functional activity of thrombocytes and granulocytes of donor blood after selective removal of fibronectin] Mamtseva GI, et al. **Vestn Akad Med Nauk SSSR** 1991; (2):45–6 (10 ref.) (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Prognosis of recovery after whole-body irradiation in relation to hematological indicators as the basis of clinical management of patients] Fliedner TM. **Gematol Transfuziol** 1990 Dec;35(12):27–31 (9 ref.) **(Rus)**

TRANSPLANTATION

Granulocyte transfusions in neonates. Hill HR. **Pediatr Rev** 1991 Apr;12(10):298–302 (22 ref.)

GRANULOCYTIC LEUKEMIA see **LEUKEMIA, MYELOID**

GRANULOCYTIC LEUKEMIA, CHRONIC see **LEUKEMIA, MYELOID, CHRONIC**

GRANULOCYTIC LEUKEMIA, CHRONIC, STABLE-PHASE see **LEUKEMIA, MYELOID, CHRONIC-PHASE**

GRANULOCYTOPENIA see **AGRANULOCYTOSIS**

GRANULOMA

see related

TUBERCULOMA

Extrafacial granuloma faciale [letter] Sears JK, et al. **Arch Dermatol** 1991 May;127(5):742–3 (5 ref.)

Retroperitoneal xanthogranuloma: report of two cases with a review of the literature. Hennessy OF, et al. **Australas Radiol** 1990 Nov;34(4):347–9 (11 ref.)

Sarcoidosis ... or something like it [clinical conference] Soskel NT, et al. **South Med J** 1990 Oct;83(10):1190–202, 1204 (25 ref.)

[Granuloma of the cecum] Scevola F, et al. **Minerva Med** 1990 Dec;81(12):889–96 (12 ref.) (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Drug induced clinical syndromes mimicking sarcoidosis [editorial] Sharma OP, et al. **Sarcoidosis** 1991 Mar;8(1):3–5 (12 ref.)

[Acute and reversible interstitial granulomatous nephropathy after treatment with captopril] Islam S, et al. **Rev Med Interne** 1990 May–Jun;11(3):231–3 (11 ref.) (Eng. Abstr.) **(Fre)**

[Subcutaneous nodules and sensitivity to aluminum in patients undergoing hyposensitivity immunotherapy] García–Patos V, et al. **Med Cutan Ibero Lat Am** 1990;18(2):83–8 (27 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Necrobiotic xanthogranuloma with IgA multiple myeloma: a case report and literature review. Valentine EA, et al. **Am J Hematol** 1990 Dec;35(4):283–5 (6 ref.)

DIAGNOSIS

[Granulomatous orchitis] Khinev A, et al. **Khirurgiia (Sofiia)** 1991;44(3):34–8 (16 ref.) (Eng. Abstr.) **(Bul)**

[Erdheim–Chester disease] Kujat C, et al. **Radiologe** 1991 Jun;31(6):297–306 (31 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Granulomatous vasculitis occurring after cutaneous herpes zoster despite absence of viral genome. Langenberg A, et al. **J Am Acad Dermatol** 1991 Mar;24(3):429–33 (22 ref.)

The hazards of surgical glove dusting powders. Ellis H. **Surg Gynecol Obstet** 1990 Dec;171(6):521–7 (89 ref.)

[Generalized granuloma annulare with primary biliary cirrhosis] Koizumi H, et al. **Nippon Hifuka Gakkai Zasshi** 1990 Jul;100(8):871–8 (27 ref.) (Eng. Abstr.) **(Jpn)**

[The involvement of eicosanoids in the pathogenesis of inflammatory granuloma] Mihai N. **Rev Ig Med Muncii Med Soc Bacteriol Virusol Parazitol Epidemiol Pneumoftiziol Pneumoftiziol** 1990 Jan–Mar; 39(1):83–6 (17 ref.) **(Rum)**

[The role of fibronectin in the development of fibrosis] Iaglov VV, et al. **Vestn Akad Med Nauk SSSR** 1991;(2):50–2 (18 ref.) (Eng. Abstr.) **(Rus)**

METABOLISM

Production of neuropeptides by inflammatory cells within the granulomas of murine schistosomiasis mansoni. Weinstock JV. **Eur J Clin Invest** 1991 Apr;21(2):145–53 (126 ref.)

[A case of systemic xanthogranulomatosis with an intracranial lesion: immunohistochemical study] Miyachi S, et al. **No Shinkei Geka** 1991 Feb;19(2):185–90 (16 ref.) (Eng. Abstr.) **(Jpn)**

PARASITOLOGY

Enterobius egg granuloma of the vulva and peritoneum: review of the literature. Sun T, et al. **Am J Trop Med Hyg** 1991 Aug;45(2):249–53 (27 ref.)

PATHOLOGY

Granulomatous sialadenitis. Batsakis JG. **Ann Otol Rhinol Laryngol** 1991 Feb;100(2):166–9 (22 ref.)

Mechanisms of granulomatous inflammation. Epstein WL, et al. **Immunol Ser** 1989;46:687–721 (172 ref.)

A chronic granulomatous syndrome of unknown origin. Friedland JS, et al. **Medicine (Baltimore)** 1990 Nov; 69(6):325–31 (45 ref.)

Hyaline ring granuloma: a distinct oral entity. Chou L, et al. **Oral Surg Oral Med Oral Pathol** 1990 Sep;70(3):318–24 (22 ref.)

RADIOGRAPHY

Pulmonary angiitis and granulomatosis. Staples CA. **Radiol Clin North Am** 1991 Sep;29(5):973–82 (26 ref.)

GRANULOMA, EOSINOPHILIC see **EOSINOPHILIC GRANULOMA**

GRANULOMA, FOREIGN-BODY

Cutaneous silica granuloma. A rare entity or rarely diagnosed? Report of two cases with review of the literature. Mowry RG, et al. **Arch Dermatol** 1991 May; 127(5):692–4 (15 ref.)

GRANULOMA GANGRAENESCENS see **GRANULOMA, LETHAL MIDLINE**

GRANULOMA, GIANT CELL

[Bilateral brown tumor of the jaw. Apropos of a case] Khochtali H, et al. **Rev Stomatol Chir Maxillofac** 1991; 92(2):116–9 (16 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Giant cell reparative granuloma presenting as a midline nasal mass. Govett GS, et al. **Ear Nose Throat J** 1991 Mar; 70(3):137–9 (17 ref.)

DIAGNOSIS

[The clinical and therapeutic aspects of epulis gravidarum] Moniaci D, et al. **Minerva Stomatol** 1990 Dec;39(12):1023–6 (22 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

Metastatic chondrosarcoma of the gingiva mimicking a reactive exophytic lesion: a case report. Taicher S, et al. **J Periodontol** 1991 Mar;62(3):223–6 (28 ref.)

GRANULOMA, HODGKIN'S see **HODGKIN'S DISEASE**

GRANULOMA INGUINALE

DIAGNOSIS

Granuloma gluteale infantum: case report and review of the literature. Bluestein J, et al. **Pediatr Dermatol** 1990 Sep; 7(3):196–8 (13 ref.)

GRANULOMA, LARYNGEAL

Granulomatous disease of the larynx. Brass LS, et al. **J La State Med Soc** 1991 Jan;143(1):11–4 (24 ref.)

GRANULOMA, LETHAL MIDLINE

ETIOLOGY

Angiocentric immunoproliferative lesion/T–cell non–Hodgkin's lymphoma and the acquired immune deficiency syndrome: a case report and review of the literature. Gold JE, et al. **Cancer** 1990 Dec 1;66(11):2407–13 (74 ref.)

[Mucocutaneous leishmaniasis. Report of 2 cases] Khayat CM, et al. **Ann Otolaryngol Chir Cervicofac** 1990; 107(7):494–9 (22 ref.) (Eng. Abstr.) **(Fre)**

GRANULOMA, MALIGNANT see **HODGKIN'S DISEASE**

GRANULOMA, PLASMA CELL

DIAGNOSIS

[Plasma cell granuloma of the lung. Apropos of a case and review of the literature] Pieters T, et al. **Rev Pneumol Clin** 1990;46(2):73–7 (29 ref.) (Eng. Abstr.) **(Fre)**

GRANULOMA, PSEUDOPYOGENIC

GRANULOMA, PSEUDOPYOGENIC see **ANGIOLYMPHOID HYPERPLASIA WITH EOSINOPHILIA**

GRANULOMA VENEREUM see **GRANULOMA INGUINALE**

GRANULOMATOSIS, LYMPHOMATOID see **LYMPHOMATOID GRANULOMATOSIS**

GRANULOMATOUS CHEILITIS see **MELKERSSON-ROSENTHAL SYNDROME**

GRANULOMATOUS DISEASE, CHRONIC

CHEMICALLY INDUCED

Immune mechanisms in beryllium lung disease. Deodhar SD, et al. **Cleve Clin J Med** 1991 Mar-Apr;58(2):157-60 (22 ref.)

COMPLICATIONS

Systemic lupus erythematosus in a boy with chronic granulomatous disease: case report and review of the literature. Manzi S, et al. **Arthritis Rheum** 1991 Jan; 34(1):101-5 (30 ref.)

ENZYMOLOGY

The respiratory burst oxidase and the molecular basis of chronic granulomatous disease. Babior BM. **Am J Hematol** 1991 Aug;37(4):263-6 (54 ref.)

Molecular basis of chronic granulomatous disease. Smith RM, et al. **Blood** 1991 Feb 15;77(4):673-86 (124 ref.)

GENETICS

["Pseudo-lupus" eruptions in a mother carrying X chromosome-linked chronic septic granulomatosis] Cuny JF, et al. **Ann Dermatol Venereol** 1990;117(10):713-8 (32 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Interferon-gamma and chronic granulomatous disease. Dinauer MC, et al. **Curr Opin Immunol** 1991 Feb;3(1):61-4 (33 ref.)

METABOLISM

Chronic granulomatous disease. Segal AW. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:195-8 (20 ref.)

GRANULOSA CELL TUMOR

COMPLICATIONS

[Ollier's disease and juvenile ovarian granulosa tumor] Le Gall C, et al. **Arch Fr Pediatr** 1991 Feb;48(2):115-8 (13 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Recurrent ovarian granulosa cell tumor: role of combination chemotherapy with report of a long-term response to a cyclophosphamide, doxorubicin and cisplatin regimen. Muntz HG, et al. **Eur J Gynaecol Oncol** 1990;11(4):263-8 (21 ref.)

PATHOLOGY

Granular cell tumors of the vulva. Majmudar B, et al. **J Reprod Med** 1990 Nov;35(11):1008-14 (34 ref.)

SECONDARY

Recurrent ovarian granulosa cell tumor: role of combination chemotherapy with report of a long-term response to a cyclophosphamide, doxorubicin and cisplatin regimen. Muntz HG, et al. **Eur J Gynaecol Oncol** 1990;11(4):263-8 (21 ref.)

GRANULOSA CELLS

CYTOLOGY

Interactions between somatic cells and germ cells throughout mammalian oogenesis. Buccione R, et al. **Biol Reprod** 1990 Oct;43(4):543-7 (88 ref.)

PHYSIOLOGY

Insulin-like growth factors and thecal-granulosa-cell function. Geisthovel F, et al. **Hum Reprod** 1990 Oct; 5(7):785-99 (122 ref.)

ULTRASTRUCTURE

Ultrastructural correlates of meiotic maturation in mammalian oocytes. McGaughey RW, et al. **J Electron Microsc Tech** 1990 Dec;16(4):257-80 (77 ref.)

GRANULOSIS VIRUSES see **BACULOVIRIDAE**

GRAPES see **FRUIT**

GRASSES

see related
POLLEN

Living with artificial grass: a knowledge update. Part 2: Epidemiology. Skovron ML, et al. **Am J Sports Med** 1990 Sep-Oct;18(5):510-3 (13 ref.)

Forage quality analyses and interpretation. Linn JG, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):509-23 (17 ref.)

IMMUNOLOGY

Extrinsic allergic alveolitis caused by esparto (Stipa tenacissima). Gamboa PM, et al. **Allergol Immunopathol (Madr)** 1990 Nov-Dec;18(6):331-4 (20 ref.)

Molecular biology of rye-grass pollen allergens. Singh MB, et al. **Monogr Allergy** 1990;28:101-20 (63 ref.)

GRASSHOPPERS

PHYSIOLOGY

Neuronal organization and information processing in the wind-sensitive cercal receptor/giant interneurone system of the locus and other orthopteroid insects. Boyan GS, et al. **Prog Neurobiol** 1990;35(3):217-43 (168 ref.)

GRAVES' DISEASE

The ophthalmopathy of Graves' disease. Char DH. **Med Clin North Am** 1991 Jan;75(1):97-119 (85 ref.)

Graves' disease. Current concepts. McDougall IR. **Med Clin North Am** 1991 Jan;75(1):79-95 (86 ref.)

COMPLICATIONS

Thyroid eye disease—medical or surgical therapy? Khalid BA, et al. **Ann Acad Med Singapore** 1991 Mar;20(2):273-6 (40 ref.)

Graves' ophthalmopathy—a clinical review. Carter JN. **Aust N Z J Ophthalmol** 1990 Aug;18(3):239-42 (30 ref.)

Thyroid crisis associated with severe hypocalcemia. Yamaji Y, et al. **Jpn J Med** 1991 Mar-Apr;30(2):179-81 (19 ref.)

[Basedow's neuropathy] Douat C, et al. **Bull Soc Ophtalmol Fr** 1990 Jun-Jul;90(6-7):693-8 (24 ref.) (Eng. Abstr.) **(Fre)**

[Association of Basedow's disease and autoimmune thrombopenic purpura. No effect of hyperthyroidism on antiplatelet autoimmunity] Vergès B, et al. **Rev Med Interne** 1989 Nov-Dec;10(6):565-9 (24 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Yersinia enterocolitica and thyroid autoimmunity. Bech K. **Autoimmunity** 1990;7(4):291-4 (23 ref.)

IMMUNOLOGY

Autoantibodies to the TSH receptor in patients with autoimmune thyroid disease. McGregor AM. **Clin Endocrinol (Oxf)** 1990 Dec;33(6):683-5 (19 ref.)

Thyroid-associated ophthalmopathy—a model for the association of organ-specific autoimmune disorders. Wall JR, et al. **Immunol Today** 1991 May;12(5):150-3 (31 ref.)

[Stress and immunity. The role of stress in auto-immunity of Basedow's disease] Ducornet B, et al. **Ann Endocrinol (Paris)** 1990;51(1):17-24 (64 ref.) (Eng. Abstr.) **(Fre)**

[Graves-Basedow disease: uncontrolled development (editorial)] Codaccioni JL. **Presse Med** 1991 Apr 27; 20(16):733-4 (12 ref.) **(Fre)**

PHYSIOPATHOLOGY

Thyroid-associated eye disease: pathophysiology. Weetman AP. **Lancet** 1991 Jul 6;338(8758):25-8 (27 ref.)

[Aging and graves' disease] Yamada T. **Nippon Ronen Igakkai Zasshi** 1991 Mar;28(2):129-34 (6 ref.) **(Jpn)**

THERAPY

Treatment of Graves' orbitopathy in 1990. Garrity JA. **Keio J Med** 1991 Jun;40(2):63-71 (46 ref.)

Thyroid-associated eye disease: clinical management. Fells P. **Lancet** 1991 Jul 6;338(8758):29-32 (22 ref.)

[Severe endocrine ophthalmopathy. A review with case reports] Barth A, et al. **Schweiz Med Wochenschr** 1991 Jan 9;121(1-2):3-9 (66 ref.) (Eng. Abstr.) **(Ger)**

[Progress in endocrinological therapy of basedow's and Hashimoto's diseases] Nagataki S. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):364-7 (6 ref.) **(Jpn)**

GRAVITATION

On the role of gravity and positional information in embryological axis formation and tissue compartmentalization. Allaerts W. **Acta Biotheor** 1991 Mar; 39(1):47-62 (67 ref.)

Panel on deliberate G-induced loss of consciousness: introduction. Burton RR. **Aviat Space Environ Med** 1991 Jul;62(7):609-11 (17 ref.)

Unpredictability of fighter pilot G tolerance using anthropometric and physiologic variables. Webb JT, et al. **Aviat Space Environ Med** 1991 Feb;62(2):128-35 (27 ref.)

Physiologic bases of G-induced loss of consciousness (G-LOC). Werchan PM. **Aviat Space Environ Med** 1991 Jul;62(7):612-4 (14 ref.)

Back pain and spinal changes in microgravity. Wing PC, et al. **Orthop Clin North Am** 1991 Apr;22(2):255-62 (18 ref.)

Current status of acute high-G physiology. Burton RR. **Physiologist** 1991 Feb;34(1 Suppl):S11-4 (18 ref.)

An overlooked gravity sensing mechanism. Cipriano LF. **Physiologist** 1991 Feb;34(1 Suppl):S72-5 (25 ref.)

Animal motility and gravity. Full RJ. **Physiologist** 1991 Feb; 34(1 Suppl):S15-8 (28 ref.)

Gravitational fields and aging. Youmans JR, et al. **Physiologist** 1991 Feb;34(1 Suppl):S19-22 (20 ref.)

[Biology and space medicine. New prospects for internal medicine] Tallarida G, et al. **Ann Ital Med Int** 1989 Oct-Dec;4(4):413-21 (40 ref.) (Eng. Abstr.) **(Ita)**

GRAWITZ TUMOR see **CARCINOMA, RENAL CELL**

GRAYLINGS see **SALMONIDAE**

GRENZ RAYS see **X-RAYS**

GRIEF

ABC of major trauma. Handling distressed relatives and breaking bad news. McLauchlan CA. **BMJ** 1990 Nov 17; 301(6761):1145-9 (2 ref.)

Towards a cognitive-behavioural intervention for adult grief reactions [see comments] Kavanagh DJ. **Br J Psychiatry** 1990 Sep;157:373-83 (100 ref.) Comment in: Br J Psychiatry 1991 Feb;158:291.

Anger: the hidden part of grief. Cerney MS, et al. **Bull Menninger Clin** 1991 Spring;55(2):228-37 (17 ref.)

Family grief in the emergency department. Walters DT, et al. **Emerg Med Clin North Am** 1991 Feb;9(1):189-206 (44 ref.)

Dementia, depression, or grief? The differential diagnosis. Brock C, et al. **Geriatrics** 1990 Oct;45(10):37-43 (28 ref.)

Experiencing multiple loss of persons with AIDS: grief and bereavement issues. Biller R, et al. **Health Soc Work** 1990 Nov;15(4):283-90 (16 ref.)

Determinants of grief resolution in cancer death. Yancey D, et al. **J Palliat Care** 1990 Winter;6(4):24-31 (33 ref.)

The concept of grief: a foundation for nursing research and practice. Cowles KV, et al. **Res Nurs Health** 1991 Apr; 14(2):119-27 (79 ref.)

Parental reactions to the loss of an infant child: a review. Dyregrov A. **Scand J Psychol** 1990;31(4):266-80 (120 ref.)

[Mourning and grief work] Keirse EA. **Ned Tijdschr Geneeskd** 1990 Dec 8;134(49):2375-9 (52 ref.) **(Dut)**

[Health and psychosocial effects of miscarriage] Läpple M. **Fortschr Neurol Psychiatr** 1991 May;59(5):155-63 (87 ref.) (Eng. Abstr.) **(Ger)**

[Topics in clinical thanatology. Autopathothanatobiographies, -diaries, -epistulographies in comparison with Angloamerican clinical thanatologic experiences] Jacob H. **Psychother Psychosom Med Psychol** 1990 Dec; 40(12):449-65 (269 ref.) (Eng. Abstr.) **(Ger)**

GRIPPE see **INFLUENZA**

GRISEOFULVIN

THERAPEUTIC USE

Griseofulvin: a new look at an old drug. Araujo OE, et al. **DICP** 1990 Sep;24(9):851-4 (23 ref.)

GROENOUW'S DYSTROPHIES see **CORNEAL DYSTROPHIES, HEREDITARY**

GROIN

Synovial cysts of the groin. Case report. Ikard RW. **Eur J Surg** 1991 Apr;157(4):285-7 (22 ref.)

The iliopubic tract. The key to inguinal herniorrhaphy? Lichtenstein IL, et al. **Int Surg** 1990 Oct-Dec;75(4):244-6 (11 ref.)

SURGERY

Salvage of prosthetic grafts and joints in the lower extremity. Budny PJ, et al. **Clin Plast Surg** 1991 Jul;18(3):583-91 (51 ref.)

GRONBLAD-STRANDBERG SYNDROME see **PSEUDOXANTHOMA ELASTICUM**

GROUNDNUTS see **PEANUTS**

GROUP HEALTH INSURANCE see **INSURANCE, HEALTH**

GROUP HEALTH ORGANIZATIONS, PREPAID see **HEALTH MAINTENANCE ORGANIZATIONS**

GROUP HOMES

TRENDS

Group homes in North Carolina for children and adults with autism. Wall AJ. **J Autism Dev Disord** 1990 Sep; 20(3):353–66 (47 ref.)

GROUP IDENTIFICATION see **SOCIAL IDENTIFICATION**

GROUP PROCESSES

see related
SOCIAL CHANGE

The impact of community-based groups to help persons reduce HIV infection risk behaviours. Kelly JA, et al. **AIDS Care** 1990;2(1):25–36 (14 ref.)

A social pathology of human conflict. Brix VH. **Med War** 1991 Jan–Mar;7(1):21–32 (29 ref.)

Review of some studies of group behaviour relevant to global security. Bullough K. **Med War** 1990 Jul–Sep;6(3):182–90 (40 ref.)

GROUP THERAPY see **PSYCHOTHERAPY, GROUP**

GROWTH

see related
CHILD DEVELOPMENT
PERSONALITY DEVELOPMENT

The determinants of catch-up growth. Mosier HD. **Acta Paediatr Scand Suppl** 1990;367:126–9 (53 ref.)

The endocrinology of the pubertal growth spurt. Pescovitz OH. **Acta Paediatr Scand Suppl** 1990;367:119–25 (71 ref.)

Omega-3 fatty acids in health and disease and in growth and development. Simopoulos AP. **Am J Clin Nutr** 1991 Sep;54(3):438–63 (211 ref.)

Growth in adulthood after liver transplantation for glycogen storage disease type I. Kirschner BS, et al. **Gastroenterology** 1991 Jul;101(1):238–41 (21 ref.)

Adolescent growth in girls—the Indian perspective [editorial] Vir S. **Indian Pediatr** 1990 Dec;27(12):1249–55 (19 ref.)

Energy balance and growth in cystic fibrosis. Wootton SA, et al. **J R Soc Med** 1991;84 Suppl 18:22–7 (30 ref.)

Growth in perspective. Reeds PJ, et al. **Proc Nutr Soc** 1990 Oct;49(3):411–20 (35 ref.)

Growth and development in infants. Salem N Jr, et al. **World Rev Nutr Diet** 1991;66:20–5 (4 ref.)

[Somatomedin, growth and nutritional status] Tirapegui JO, et al. **Arq Gastroenterol** 1990 Apr–Jun;27(2):95–102 (71 ref.) (Eng. Abstr.) **(Por)**

DRUG EFFECTS

Effects of growth hormone on body composition and metabolism. Edén S, et al. **Acta Paediatr Scand Suppl** 1990; 367:14–9 (60 ref.)

Clinical tests as predictors of growth response in GH treatment of short normal children. Hagenäs L. **Acta Paediatr Scand Suppl** 1989;362:36–43 (71 ref.)

Cholesterolemic effects of the lysine/arginine ratio in rabbits after initial early growth. Sánchez A, et al. **Arch Latinoam Nutr** 1988 Jun;38(2):229–38 (33 ref.)

Frequency of administration of growth hormone—an important factor in determining growth response to exogenous growth hormone. Hindmarsh PC, et al. **Horm Res** 1990;33 Suppl 4:83–9 (36 ref.)

Anabolic-androgenic steroids profoundly affect growth at puberty in boys. Rogol AD, et al. **NIDA Res Monogr** 1990; 102:187–95 (16 ref.)

GENETICS

Mechanisms for the control of gene activity during development. Holliday R. **Biol Rev Camb Philos Soc** 1990 Nov;65(4):431–71 (199 ref.)

IMMUNOLOGY

Immunological approaches for manipulation of animal growth, body composition and fecundity. Flint DJ. **Biotechnol Genet Eng Rev** 1990;8:97–131 (176 ref.)

PHYSIOLOGY

Is growth hormone secretion related to growth? Westgren U. **Acta Paediatr Scand Suppl** 1989;362:32–5 (20 ref.)

Growth in uremic rats on different diets. Laouari D, et al. **Contrib Nephrol** 1990;81:142–53 (23 ref.)

Hormone epidermal growth factor interactions in development. Fisher DA. **Horm Res** 1990;33(2–4):69–74; discussion 74–5 (74 ref.)

Outgrowing trends in the lower extremities of children. Schuster RO, et al. **J Am Podiatr Med Assoc** 1991 Mar; 81(3):131–5 (5 ref.)

Biosocial influences on stature: a review. Mascie-Taylor CG. **J Biosoc Sci** 1991 Jan;23(1):113–28 (106 ref.)

Motor skill acquisition. Higgins S. **Phys Ther** 1991 Feb; 71(2):123–39 (63 ref.)

Similarities and differences between mechanisms of organ and tissue growth regulation. Goss RJ. **Proc Nutr Soc** 1990 Oct;49(3):437–42 (12 ref.)

Endogenous mediators of growth. Loveridge N, et al. **Proc Nutr Soc** 1990 Oct;49(3):443–50 (64 ref.)

[Physical maturation and sport participation. Adolescent female athletes] Cuadrado Martínez P. **An Esp Pediatr** 1990 Nov;33 Suppl 43:110–5 (10 ref.) **(Spa)**

RADIATION EFFECTS

Growth and pubertal development in survivors of childhood cancer. Sklar CA. **Pediatrician** 1991;18(1):53–60 (61 ref.)

GROWTH DISORDERS

see related
BONE DISEASES, DEVELOPMENTAL
DWARFISM
GIGANTISM

Growth abnormalities in children with juvenile rheumatoid arthritis. White PH. **Clin Orthop** 1990 Oct;(259):46–50 (44 ref.)

[Ophthalmological anomalies of the GAPO syndrome (growth retardation, alopecia, pseudo-anodontia, optic atrophy). Apropos of a case] Dellac M, et al. **J Fr Ophtalmol** 1990;13(11–12):547–50 (8 ref.) (Eng. Abstr.) **(Fre)**

[Growth hormone and delayed growth in the chronic renal insufficiency child] Broyer M. **Nephrologie** 1990;11(4):247 (3 ref.) **(Fre)**

CHEMICALLY INDUCED

Growth retardation in juvenile chronic arthritis patients treated with steroids. Falcini F, et al. **Clin Exp Rheumatol** 1991 Jan–Feb;9 Suppl 6:37–40 (8 ref.)

The impact of marrow transplant preparative regimens on subsequent growth and development. The Seattle Marrow Transplant Team. Sanders JE. **Semin Hematol** 1991 Jul; 28(3):244–9 (30 ref.)

COMPLICATIONS

Growth retardation in Down syndrome in relation to insulin-like growth factors and growth hormone. Annerén G, et al. **Am J Med Genet Suppl** 1990;7:59–62 (30 ref.)

DIAGNOSIS

Tests for growth hormone secretion [see comments] Brook CG, et al. **Arch Dis Child** 1991 Jan;66(1):85–7 (9 ref.) Comment in: Arch Dis Child 1991 May;66(5):666.

Assessment of growth hormone secretion: what are we looking for practically? Vanderschueren-Lodeweyckx M. **Horm Res** 1990;33 Suppl 4:1–6 (27 ref.)

DRUG THERAPY

Neuroactive drugs in growth disorders. Ghigo E, et al. **Acta Paediatr Scand Suppl** 1990;367:33–7 (34 ref.)

Should adults with growth hormone deficiency be maintained on growth hormone substitution therapy? Häger A. **Acta Paediatr Scand Suppl** 1989;362:72–5 (34 ref.)

Can growth hormone treatment increase final height in constitutional short stature? Ivarsson SA. **Acta Paediatr Scand Suppl** 1989;362:56–60 (29 ref.)

Chronic nonendocrine diseases with growth impairment; is growth hormone of therapeutic value? Moëll C. **Acta Paediatr Scand Suppl** 1989;362:69–71 (22 ref.)

What is the value of growth hormone treatment in short children with specified syndrome? Turner's syndrome, osteochondrodysplasias, Prader-Willi syndrome, Noonan syndrome. Nilsson KO. **Acta Paediatr Scand Suppl** 1989; 362:61–8 (67 ref.)

Growth hormone-releasing hormone and growth hormone-releasing peptide as potential therapeutic modalities. Thorner MO, et al. **Acta Paediatr Scand Suppl** 1990;367:29–32 (18 ref.)

What is the best mode of growth hormone administration? Tuvemo T. **Acta Paediatr Scand Suppl** 1989;362:44–9 (35 ref.)

Treatment with human growth hormone: who, how, when and why? Vanderschueren-Lodeweyckx M. **Acta Paediatr Scand Suppl** 1990;367:23–8 (44 ref.)

Recombinant growth hormone in paediatrics. Williams DM, et al. **Br J Hosp Med** 1991 Apr;45(4):224–5 (16 ref.)

Wider indications for treatment with biosynthetic human growth hormone in children. Hindmarsh PC, et al. **Clin Endocrinol (Oxf)** 1991 May;34(5):417–27 (110 ref.)

Treatment of growth hormone insufficiency. Hindmarsh PC. **Dev Pharmacol Ther** 1990;15(3–4):149–52 (14 ref.)

Results of long-term growth hormone replacement therapy in children: when and how to treat? Job JC. **Horm Res** 1990;33 Suppl 4:69–76 (33 ref.)

Growth hormone for short stature not due to classic growth hormone deficiency. Cara JF, et al. **Pediatr Clin North Am** 1990 Dec;37(6):1229–54 (89 ref.)

Use of growth hormone in the treatment of short stature: boon or abuse? Saenger P. **Pediatr Rev** 1991 Jun; 12(12):355–63 (56 ref.)

Is taller really better? Growth hormone therapy in short children. Diekema DS. **Perspect Biol Med** 1990 Autumn; 34(1):109–23 (70 ref.)

ETIOLOGY

Aetiology and pathogenesis of growth hormone deficiency. Bierich JR. **Acta Paediatr Scand Suppl** 1990;370:155–63 (111 ref.)

Growth and endocrine function in children with chronic renal failure. Rigden SP, et al. **Acta Paediatr Scand Suppl** 1990;370:20–6, discussion 27 (28 ref.)

Infection, malnutrition and growth. Mata L. **J Gastroenterol Hepatol** 1990;5 Suppl 1:32–44 (76 ref.)

Assessment of the short child. Wong HB. **J Singapore Paediatr Soc** 1990;32(1–2):1–10 (23 ref.)

Recognizing and managing the late effects of cancer treatment. Leventhal BG, et al. **Oncology (Williston Park)** 1989 May;3(5):73–84; discussion 85–6 (71 ref.)

Management of growth failure in the treatment of malignant disease. Leiper AD. **Pediatr Hematol Oncol** 1990; 7(4):365–71 (17 ref.)

[Growth hormone and delayed growth in the chronic renal insufficiency child] Broyer M. **Nephrologie** 1990;11(4):247 (3 ref.) **(Fre)**

METABOLISM

Possible metabolic side effects of high dose growth hormone treatment. Gustafsson J. **Acta Paediatr Scand Suppl** 1989; 362:50–5 (59 ref.)

PHYSIOPATHOLOGY

Growth hormone and insulin-like growth factor I in chronic renal failure—pathophysiology and rationale for growth hormone treatment. Mehls O, et al. **Acta Paediatr Scand Suppl** 1990;370:28–34; discussion 35 (40 ref.)

Adult height in children with constitutional short stature. Ranke MB, et al. **Acta Paediatr Scand Suppl** 1989;362:27–31 (15 ref.)

Is growth hormone secretion related to growth? Westgren U. **Acta Paediatr Scand Suppl** 1989;362:32–5 (20 ref.)

Pubertal growth and sexual maturation for adolescents with chronic illness or disability. Rosen DS. **Pediatrician** 1991; 18(2):105–20 (170 ref.)

[New findings in the pathogenesis and diagnosis of disorders of growth and development in children including receptor disorders] Kalvachová B. **Cesk Pediatr** 1990 Jul;45(7):414–8 (31 ref.) **(Cze)**

PREVENTION & CONTROL

Role of epiphysiodesis in the management of deformities of the foot and ankle. Wertheimer SJ. **J Foot Surg** 1990 Sep–Oct;29(5):459–62 (29 ref.)

PSYCHOLOGY

Is short stature a psychosocial handicap? Westphal O. **Acta Paediatr Scand Suppl** 1989;362:24–6 (14 ref.)

Growth hormone deficiency in children has psychological and educational co-morbidity. Stabler B, et al. **Clin Pediatr (Phila)** 1991 Mar;30(3):156–60 (20 ref.)

THERAPY

Management of disordered growth following physeal injury. Evans GA. **Injury** 1990 Sep;21(5):329–33 (16 ref.)

Management of growth failure in the treatment of malignant disease. Leiper AD. **Pediatr Hematol Oncol** 1990; 7(4):365–71 (17 ref.)

GROWTH FACTOR, MAST-CELL see **INTERLEUKIN-3**

GROWTH FACTORS see **GROWTH SUBSTANCES**

GROWTH HORMONE, PITUITARY see **SOMATOTROPIN**

GROWTH HORMONE RECEPTORS see **RECEPTORS, SOMATOTROPIN**

GROWTH HORMONE-RELEASING FACTOR see **SOMATOTROPIN-RELEASING HORMONE**

GROWTH HORMONE-RELEASING FACTOR 44 see **SOMATOTROPIN-RELEASING HORMONE**

GROWTH HORMONE-RELEASING HORMONE see **SOMATOTROPIN-RELEASING HORMONE**

GROWTH INHIBITORS

Transforming growth factor-beta is a potent negative regulator of human lymphocytes. Kehrl JH, et al. **Ann N Y Acad Sci** 1991;628:345–53 (42 ref.)

The use of haemoregulatory peptides (pEEDCK monomer and dimer) for reduction of cytostatic drug induced haemopoietic damage. Paukovits WR, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):347–54 (13 ref.)

ANTAGONISTS & INHIBITORS

Regeneration of lesioned CNS axons by neutralisation of neurite growth inhibitors: a short review. Schwab ME. **Paraplegia** 1991 Jun;29(5):294–8 (20 ref.)

CHEMISTRY

Characteristics of fatty acid-binding proteins and their relation to mammary-derived growth inhibitor. Spener F, et al. **Mol Cell Biochem** 1990 Oct 15–Nov 8;98(1–2):57–68

(38 ref.)

HISTORY

The chemical and biological route from podophyllotoxin glucoside to etoposide: ninth Cain memorial Award lecture. Stähelin HF, et al. **Cancer Res** 1991 Jan 1;51(1):5–15 (86 ref.)

PHYSIOLOGY

Positive news on the negative growth factors. Anagnostou A, et al. **Ann N Y Acad Sci** 1991;628:1–8 (19 ref.)
Expression of a negative regulator of human erythropoiesis by fluidized lymphocyte plasma membranes. Dainiak N, et al. **Ann N Y Acad Sci** 1991;628:212–21 (33 ref.)
Novel growth regulatory factors and tumour angiogenesis. Bicknell R, et al. **Eur J Cancer** 1991;27(6):781–5 (71 ref.)
Regulation of human megakaryocytopoiesis. Han ZC, et al. **Nouv Rev Fr Hematol** 1990;32(6):395–6 (10 ref.)
[Inhibition of pancreatic growth by exogenous and endogenous factors] Niederau C. **Z Gastroenterol Verh** 1991 Mar;26:301–4 (37 ref.) **(Ger)**

THERAPEUTIC USE

Vascular graft intimal fibrous hyperplasia: prospects for pharmacological inhibition. Schoen FJ, et al. **J Vasc Surg** 1991 May;13(5):758–61 (17 ref.)

GROWTH PLATE

see related
BONE DEVELOPMENT

GROWTH & DEVELOPMENT

Remodeling of the skeletally immature distal radius. Perona PG, et al. **J Orthop Trauma** 1990;4(3):356–61 (28 ref.)

INJURIES

Management of disordered growth following physeal injury. Evans GA. **Injury** 1990 Sep;21(5):329–33 (16 ref.)
Fractures of the calcaneal apophysis. Walling AK, et al. **J Orthop Trauma** 1990;4(3):349–55 (12 ref.)

GROWTH RETARDATION, INTRAUTERINE see **FETAL GROWTH RETARDATION**

GROWTH SUBSTANCES

Growth factors and oncogenes in pancreatic cancer. Lemoine NR, et al. **Baillieres Clin Gastroenterol** 1990 Dec; 4(4):815–32 (108 ref.)
The biology of transferrin. de Jong G, et al. **Clin Chim Acta** 1990 Sep;190(1–2):1–46 (239 ref.)
Growth factor receptors. Damjanov I. **Curr Top Pathol** 1991; 83:159–86 (237 ref.)
[Growth factors (editorial)] Cabrijan T, et al. **Med Pregl** 1991; 44(1–2):5–12 (96 ref.) **(Scr)**

ADMINISTRATION & DOSAGE

Growth factors and other ligands. Raso V. **Cancer Treat Res** 1988;37:297–320 (83 ref.)
Biocompatible controlled release polymers for delivery of polypeptides and growth factors. Langer R, et al. **J Cell Biochem** 1991 Apr;45(4):340–5 (26 ref.)

ANALYSIS

Growth factors and tyrosine protein kinases in normal and malignant melanocytes. Halaban R. **Cancer Metastasis Rev** 1991 Jun;10(2):129–40 (128 ref.)

BIOSYNTHESIS

Regulation of proliferation, invasion and growth factor synthesis in breast cancer by steroids. Dickson RB, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):305–16 (156 ref.)

CHEMISTRY

Mesenchymal cell growth factors. Graves DT, et al. **Crit Rev Oral Biol Med** 1990;1(1):17–36 (329 ref.)

CLASSIFICATION

[Mitogenic signaling pathways of growth factors can be distinguished by the involvement of pertussis toxin-sensitive GTP-binding protein and of protein kinase C] Kohno M. **Seikagaku** 1991 Jun;63(6):415–21 (21 ref.) **(Jpn)**

GENETICS

Steroid modulation of the expression of growth factors and oncogenes in breast cancer. McCarty KS Jr, et al. **Cancer Treat Res** 1991;53:197–220 (125 ref.)
Steel locus defines new multipotent growth factor [published erratum appears in Cell 1990 Nov 30;63(5):following 1112] Witte ON. **Cell** 1990 Oct 5;63(1):5–6 (15 ref.)
The cellular biology of bone tumors. Womer RB. **Clin Orthop** 1991 Jan;(262):12–21 (39 ref.)
Molecular biology of gastrointestinal peptides and growth factors: relevance to intestinal adaptation. Lund PK, et al. **Digestion** 1990;46 Suppl 2:66–73 (26 ref.)
Oncogenes and growth factor genes in myelodysplasia. Mittelman MM, et al. **Hematol Pathol** 1991;5(1):37–41 (38 ref.)
Biological significance of the hst-1 gene. Terada M, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:71–80 (41 ref.)
Growth factor and proto-oncogene expression in psoriasis. Elder JT, et al. **J Invest Dermatol** 1990 Nov;95(5):7S–9S (17 ref.)
Regulation of IL-3, IL-4 and GM-CSF genes and signal transduction by their receptors. Arai N, et al. **Lymphokine Res** 1990 Winter;9(4):551–3 (11 ref.)

IMMUNOLOGY

Keratinocyte cytokines and growth factors. Functions in skin immunity and homeostasis. McKenzie RC, et al. **Dermatol Clin** 1990 Oct;8(4):649–61 (117 ref.)
Inflammatory mediators and the destruction of bone. Mundy GR. **J Periodont Res** 1991 May;26(3 (Pt 2)):213–7 (30 ref.)

METABOLISM

Growth factors and oncogenes in prostate cancer. Thompson TC. **Cancer Cells** 1990 Nov;2(11):345–54 (103 ref.)
Growth factors in melanoma. Rodeck U, et al. **Cancer Metastasis Rev** 1991 Jun;10(2):89–101 (92 ref.)
Regulatory pathways in tumor growth and invasion. Herlyn M, et al. **Lab Invest** 1991 Sep;65(3):262–71 (175 ref.)
Two burgeoning families of platelet factor 4–related proteins: mediators of the inflammatory response. Stoeckle MY, et al. **New Biol** 1990 Apr;2(4):313–23 (85 ref.)
Kidney epithelial cells release growth factors in response to extracellular signals. Toback FG, et al. **Pediatr Nephrol** 1990 Jul;4(4):363–71 (71 ref.)
Growth factors in the eye. McAvoy JW, et al. **Prog Growth Factor Res** 1990;2(1):29–43 (99 ref.)
[Prostatic cancer and growth factors] Roosen JU. **Ugeskr Laeger** 1990 Oct 8;152(41):2986–7 (30 ref.) (Eng. Abstr.) **(Dan)**
[Local growth factors for breast cancer: general review and potential value for clinician] Piccart MJ, et al. **Bull Cancer (Paris)** 1991;78(3):215–27 (56 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOLOGY

Primary response genes induced by growth factors and tumor promoters. Herschman HR. **Annu Rev Biochem** 1991; 60:281–319 (263 ref.)
Growth factors and cell aging. Phillips PD, et al. **Annu Rev Gerontol Geriatr** 1990;10:43–52 (33 ref.)
Regulation of the epidermal growth factor receptor by growth-modulating agents. Rosner MR. **Biotechnol Appl Biochem** 1990 Oct;12(5):473–7 (37 ref.)
Growth factors as mediators of estrogen/antiestrogen action in human breast cancer cells. Arteaga CL, et al. **Cancer Treat Res** 1991;53:289–304 (71 ref.)
Regulatory mechanisms in breast cancer. Local effects of growth factors. Daniel CW, et al. **Cancer Treat Res** 1991; 53:79–92 (32 ref.)
Growth factor-responsive genes in fibroblasts. Bravo R. **Cell Growth Differ** 1990 Jun;1(6):305–9 (71 ref.)
Recent progress in bone induction by osteogenin and bone morphogenetic proteins: challenges for biomechanical and tissue engineering. Reddi AH, et al. **J Biomech Eng** 1991 May;113(2):189–90 (15 ref.)
Increased chemosensitivity of hematopoietic neoplasia in response to growth factors: a review. Ferrero D, et al. **J Nucl Med Allied Sci** 1990 Oct–Dec;34(4 Suppl):179–84 (24 ref.)
Growth factors and articular cartilage. Mankin HJ, et al. **J Rheumatol Suppl** 1991 Feb;27:66–7 (13 ref.)
Stimulatory and inhibitory growth factors and breast cancer. Dickson RB. **J Steroid Biochem Mol Biol** 1990 Dec 20; 37(6):795–803 (21 ref.)
Mesangial cell turnover: effect of heparin and peptide growth factors. Striker LJ, et al. **Lab Invest** 1991 Apr;64(4):446–56 (129 ref.)
Growth factor-induced gene expression: the ups and downs of c-fos regulation. Rivera VM, et al. **New Biol** 1990 Sep; 2(9):751–8 (76 ref.)
Stimulators of megakaryocyte development and platelet production. Williams N. **Prog Growth Factor Res** 1990; 2(2):81–95 (110 ref.)
Numerous growth factors can influence in vitro megakaryocytopoiesis. Hoffman R, et al. **Yale J Biol Med** 1990 Sep–Oct;63(5):411–8 (64 ref.)

PHYSIOLOGY

Regulatory peptides in the thyroid gland--a review on their localization and function. Ahrén B. **Acta Endocrinol (Copenh)** 1991 Mar;124(3):225–32 (82 ref.)
Angiotensin and the regulation of cellular growth. Pathophysiologic implications for cardiovascular and noncardiovascular tissues. Re R. **Am J Hypertens** 1991 Mar; 4(3 Pt 2):217S–219S (23 ref.)
Growth and differentiation factors in tracheobronchial epithelium. Jetten AM. **Am J Physiol** 1991 Jun;260(6 Pt 1):L361–73 (154 ref.)
Growth factor-regulated pathways in epithelial cell proliferation. Aaronson SA, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S7–10 (47 ref.)
Plasticity of fetal and adult CNS serotonergic neurons: role of growth-regulatory factors. Azmitia EC, et al. **Ann N Y Acad Sci** 1990;600:343–63; discussion 363–5 (65 ref.)
Growth factors and cytokines in bone cell metabolism. Canalis E, et al. **Annu Rev Med** 1991;42:17–24 (24 ref.)
Hormones, growth factors, and myogenic differentiation. Florini JR, et al. **Annu Rev Physiol** 1991;53:201–16 (89 ref.)
Growth factors, proto-oncogenes, and plasticity of the cardiac phenotype. Parker TG, et al. **Annu Rev Physiol** 1991;53:179–200 (140 ref.)
Oncogenes, growth factors, and autoimmune diseases (review). Sibbitt WL Jr. **Anticancer Res** 1991 Jan–Feb; 11(1):97–113 (184 ref.)
Growth control factors in the gastrointestinal tract. Goodlad RA, et al. **Baillieres Clin Gastroenterol** 1990 Mar; 4(1):97–118 (139 ref.)
Polypeptide growth factors and angiogenesis. Tomasi V, et al. **Biofactors** 1990 Oct;2(4):213–7 (39 ref.)
Peptide growth factors and proto-oncogenes in mammalian conceptus development. Simmen FA, et al. **Biol Reprod** 1991 Jan;44(1):1–5 (60 ref.)
Peptide growth factors and cell cycle control. Armelin HA. **Biomed Pharmacother** 1990;44(2):103–8 (64 ref.)
The control of proliferation and differentiation of early erythroid progenitors. Migliaccio AR, et al. **Biotherapy** 1990;2(4):299–303 (53 ref.)
Biology of growth factors: requirements for stem cell survival. Crosier PS, et al. **Bone Marrow Transplant** 1991; 7 Suppl 1:6–9 (38 ref.)
Neuropeptide growth factors and cancer. Woll PJ. **Br J Cancer** 1991 Mar;63(3):469–75 (146 ref.)
The role of stromal cells in tumor metastasis: a new link. van den Hooff A. **Cancer Cells** 1991 May;3(5):186–7 (15 ref.)
Relationship of growth factors and differentiation in normal and neoplastic development of the mammary gland. Fernig DG, et al. **Cancer Treat Res** 1991;53:47–78 (182 ref.)
Growth factors regulating normal and malignant melanocytes. Halaban R. **Cancer Treat Res** 1991;54:19–40 (116 ref.)
Cytokines and human malignant melanoma. Immuno- and growth-regulatory peptides in melanoma biology. Köck A, et al. **Cancer Treat Res** 1991;54:41–66 (172 ref.)
Autocrine growth factors and lung cancer. Mulshine JL, et al. **Cancer Treat Res** 1989;45:107–22 (82 ref.)
Steroids, growth factors, and cell cycle controls in breast cancer. Musgrove EA, et al. **Cancer Treat Res** 1991; 53:305–31 (167 ref.)
Regulation of development of the normal mammary gland by hormones and growth factors. Vonderhaar BK. **Cancer Treat Res** 1988;40:251–66 (84 ref.)
Growth factors in development, transformation, and tumorigenesis. Cross M, et al. **Cell** 1991 Jan 25;64(2):271–80 (103 ref.)
Proteoglycans as modulators of growth factor activities. Ruoslahti E, et al. **Cell** 1991 Mar 8;64(5):867–9 (19 ref.)
Retinoids, homeoboxes, and growth factors: toward molecular models for limb development. Tabin CJ. **Cell** 1991 Jul 26;66(2):199–217 (165 ref.)
Growth factor control of extracellular proteolysis. Rifkin DB, et al. **Cell Differ Dev** 1990 Dec 2;32(3):313–8 (19 ref.)
Epigenetic autocrine and paracrine factors regulating lung morphogenesis. A paradigm for lung repair. Warburton D. **Chest** 1991 Mar;99(3 Suppl):15S–18S (57 ref.)
Bone growth factors. Mohan S, et al. **Clin Orthop** 1991 Feb; (263):30–48 (181 ref.)
Autoregulatory factors of secondary metabolism and morphogenesis in actinomycetes. Horinouchi S, et al. **Crit Rev Biotechnol** 1990;10(3):191–204 (92 ref.)
Mesenchymal cell growth factors. Graves DT, et al. **Crit Rev Oral Biol Med** 1990;1(1):17–36 (329 ref.)
Regulation of neural cell survival and differentiation by peptide growth factors. Wagner JA, et al. **Curr Opin Cell Biol** 1990 Dec;2(6):1050–7 (28 ref.)
Recent advances in understanding of normal hormone mechanisms of the female reproductive system. Hague WM, et al. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):361–9 (25 ref.)
Polypeptide growth factors in the regulation of human tumor cell proliferation. Kumar R, et al. **Curr Opin Oncol** 1991 Feb;3(1):70–4 (30 ref.)
Role of peptide growth factors in development of macrovascular complications of diabetes. Clemmons DR. **Diabetes Care** 1991 Feb;14(2):153–6 (29 ref.)
Protooncogenes and growth factors associated with normal and abnormal liver growth. Fausto N. **Dig Dis Sci** 1991 May;36(5):653–8 (35 ref.)
Hepatic stimulator substance. Discovery, characteristics and mechanism of action. LaBrecque DR. **Dig Dis Sci** 1991 May;36(5):669–73 (39 ref.)
Metabolism and effects of epidermal growth factor and related growth factors in mammals. Fisher DA, et al. **Endocr Rev** 1990 Aug;11(3):418–42 (361 ref.)
Oncogenes and growth factors in thyroid carcinogenesis. Frauman AG, et al. **Endocrinol Metab Clin North Am** 1990 Sep;19(3):479–93 (103 ref.)
Growth factors and cell movement. Gherardi E. **Eur J Cancer** 1991;27(4):403–5 (18 ref.)
Oncogenes, growth factors, and cell signaling in mouse lung tumors: an overview. Anderson MW. **Exp Lung Res** 1991 Mar–Apr;17(2):323–5 (24 ref.)

Growth factors in progression of human esophageal and gastric carcinomas. Yoshida K, et al. **Exp Pathol** 1990; 40(4):291–300 (72 ref.)
Lymphohematopoiesis: role of growth factors in leukemogenesis and therapy. Fackler MJ, et al. **Hematol Oncol Clin North Am** 1990 Aug;4(4):849–65 (97 ref.)
Growth factors in invertebrate in vitro culture. Ferkovich SM, et al. **In Vitro Cell Dev Biol** 1991 Jun;27A(6):483–6 (40 ref.)
Uterus-derived growth substances: possible implications for human uterus physiology and pathophysiology (review). The Group for Gynecological Investigation. Koutsilieris M. **In Vivo** 1990 Jan–Feb;4(1):45–8 (19 ref.)
FSH, inhibin and other bioactive peptides of male genital tract: localization, synthesis and their role in cellular pathophysiology. Garde SV, et al. **Indian J Exp Biol** 1991 Jun;29(6):501–15 (136 ref.)
Human breast-cancer growth and progression: role of secreted polypeptide growth factors. Brünner N. **Int J Cancer Suppl** 1990;5:62–6 (43 ref.)
Potential neurotrophic factors in the mammalian central nervous system: functional significance in the developing and aging brain. Araujo DM, et al. **Int Rev Neurobiol** 1990; 32:141–74 (301 ref.)
Regulation of cutaneous wound healing by growth factors and the microenvironment. Knighton DR, et al. **Invest Radiol** 1991 Jun;26(6):604–11 (72 ref.)
Effects of soluble factors and extracellular matrix components on vascular cell behavior in vitro and in vivo: models of de-endothelialization and repair. Madri JA, et al. **J Cell Biochem** 1991 Feb;45(2):123–30 (29 ref.)
The biochemistry and biology of the myeloid haemopoietic cell growth factors. Heyworth CM, et al. **J Cell Sci Suppl** 1990;13:57–74 (89 ref.)
Growth factors as inducing agents in early Xenopus development. Slack JM. **J Cell Sci Suppl** 1990;13:119–30 (36 ref.)
Growth factors influencing bone development. Wozney JM, et al. **J Cell Sci Suppl** 1990;13:149–56 (22 ref.)
Paracrinology of growth regulation. Hill DJ, et al. **J Dev Physiol** 1991 Feb;15(2):91–104 (66 ref.)
Paracrine control of anterior pituitary hormone secretion. Jones TH, et al. **J Endocrinol** 1990 Oct;127(1):5–13 (109 ref.)
The role of growth factors in the pituitary. Ezzat S, et al. **J Endocrinol Invest** 1990 Sep;13(8):691–8 (66 ref.)
Growth factors and the gut. Burgess AW, et al. **J Gastroenterol Hepatol** 1990;5 Suppl 1:10–21 (97 ref.)
Signal transduction during mesoderm induction in Xenopus. Whitman M, et al. **J Reprod Fertil Suppl** 1990;42:249–54 (41 ref.)
Polypeptide growth factors in mammalian development: some issues for neurotoxicology and behavioral teratology. Alleva E, et al. **Neurotoxicology** 1990 Summer; 11(2):293–303 (50 ref.)
Regulation of human megakaryocytopoiesis. Han ZC, et al. **Nouv Rev Fr Hematol** 1990;32(6):395–6 (10 ref.)
Role of Raf-1 serine/threonine protein kinase in growth factor signal transduction. Rapp UR. **Oncogene** 1991 Apr; 6(4):495–500 (43 ref.)
Chemical, oncogene and growth factor inhibition gap junctional intercellular communication: an integrative hypothesis of carcinogenesis. Trosko JE, et al. **Pathobiology** 1990;58(5):265–78 (122 ref.)
Polypeptide growth factors and the kidney: a developmental perspective. Avner ED. **Pediatr Nephrol** 1990 Jul; 4(4):345–53 (131 ref.)
Neurotrophic factors in the CNS: biosynthetic processing and functional responses. Bradshaw RA, et al. **Prog Brain Res** 1990;86:157–67 (66 ref.)
S100 beta as a neurotrophic factor. Marshak DR. **Prog Brain Res** 1990;86:169–81 (100 ref.)
Grafts, growth factors and grafts that make growth factors. Olson L, et al. **Prog Brain Res** 1990;82:55–66 (45 ref.)
Growth factors and oncogenes in breast cancer. Gullick WJ. **Prog Growth Factor Res** 1990;2(1):1–13 (102 ref.)
G-proteins and second messengers in mitogenesis. Milligan G, et al. **Prog Growth Factor Res** 1989;1(3):161–77 (86 ref.)
Angiogenic growth factors. Risau W. **Prog Growth Factor Res** 1990;2(1):71–9 (65 ref.)
Activin as a cell differentiation factor. Ueno N, et al. **Prog Growth Factor Res** 1990;2(2):113–24 (71 ref.)
Bone morphogenetic proteins. Wozney JM. **Prog Growth Factor Res** 1989;1(4):267–80 (68 ref.)
Tyrosine phosphorylation and the regulation of cell growth: growth factor-stimulated tyrosine phosphorylation of phospholipase C. Nishibe S, et al. **Semin Cancer Biol** 1990 Aug;1(4):285–92 (60 ref.)
Cellular and viral ligands that interact with the EGF receptor. Todaro GJ, et al. **Semin Cancer Biol** 1990 Aug; 1(4):257–63 (25 ref.)
The production of alveolar macrophage-derived growth-regulating proteins in response to lung injury. Brandes ME, et al. **Toxicol Lett** 1990 Nov;54(1):3–22; discussion 1–2 (208 ref.)
Endocrinization of the early embryo: an emerging role for hormones and hormone-like factors. de Pablo F, et al. **Trends Biochem Sci** 1990 Sep;15(9):339–42 (39 ref.)
[Vasculotropin: a new angiogenic growth factor] Moukadiri H, et al. **Pathol Biol (Paris)** 1991 Feb;39(2):153–6 (17 ref.) (Eng. Abstr.) **(Fre)**
[Growth factors and oncogenes in brain tumors: the model of glioblastoma and medulloblastoma] Frappaz D, et al. **Pediatrie** 1991;46(1):59–64 (29 ref.) (Eng. Abstr.) **(Fre)**
[The importance of protein growth factors for the local regulation of bone growth] Kukoschke KG, et al. **Dtsch Med Wochenschr** 1990 Dec 14;115(50):1921–6 (61 ref.) **(Ger)**
[In vitro studies of the effect of growth factors on the connective tissue] Węglarz L, et al. **Postepy Hig Med Dosw** 1989;43(2–4):255–74 (129 ref.) (Eng. Abstr.) **(Pol)**
[Endogenous growth factors] Gąsior-Chrzan B. **Wiad Lek** 1990 Jun 1;43(11):527–9 (15 ref.) **(Pol)**

THERAPEUTIC USE

On radiation damage to normal tissues and its treatment. I. Growth factors. Michalowski A. **Acta Oncol** 1990; 29(8):1017–23 (115 ref.)
Recombinant growth factors in bone marrow transplantation. Singer JW, et al. **Bone Marrow Transplant** 1991;7 Suppl 1:10–2 (25 ref.)
The influence of growth regulation on treatment strategy for acute myeloblastic leukaemia. McCulloch EA, et al. **Cancer Surv** 1990;9(1):169–98 (166 ref.)
Growth factors in human cancer. Gabrilove J, et al. **Curr Opin Oncol** 1990 Feb;2(1):163–70 (39 ref.)
Growth factors, endocrine aspects and hormonal treatment in hepatocellular carcinoma—an overview. d'Arville CN, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20; 37(6):1007–12 (58 ref.)

GTP see **GUANOSINE TRIPHOSPHATE**

GTP BINDING PROTEIN see **GUANINE NUCLEOTIDE REGULATORY PROTEIN**

GTP PHOSPHOHYDROLASE

A guide to low molecular weight GTPases. Sanders DA. **Cell Growth Differ** 1990 May;1(5):251–8 (193 ref.)

GENETICS

GTPase-inhibiting mutations in the alpha subunit of Gs. Masters SB, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:70–5 (23 ref.)
GTPase-inhibiting mutations activate the alpha-chain of Gs in human tumours. Vallar L. **Biochem Soc Symp** 1990; 56:165–70 (15 ref.)
Reversion and rereversion in ras-transformed cells. Marshall CJ. **Immunol Ser** 1990;51:89–106 (81 ref.)

METABOLISM

Fluorescence approaches to the study of the p21ras GTPase mechanism. Eccleston JF, et al. **Biochem Soc Trans** 1991 Apr;19(2):432–7 (26 ref.)
The ras superfamily of molecular switches. Macara IG. **Cell Signal** 1991;3(3):179–87 (77 ref.)

PHYSIOLOGY

The GTPase superfamily: conserved structure and molecular mechanism. Bourne HR, et al. **Nature** 1991 Jan 10; 349(6305):117–27 (150 ref.)
The GTPase superfamily: a conserved switch for diverse cell functions. Bourne HR, et al. **Nature** 1990 Nov 8; 348(6297):125–32 (129 ref.)

GTP-REGULATORY PROTEIN see **GUANINE NUCLEOTIDE REGULATORY PROTEIN**

GTPASE see **GTP PHOSPHOHYDROLASE**

GUAIACOL PEROXIDASE see **MYELOPEROXIDASE**

GUANIDINES

PHARMACOLOGY

Mechanism of the vasodilator action of pinacidil. Mulvany MJ, et al. **Blood Vessels** 1990;27(2–5):314–8 (15 ref.)

GUANINE

ANALOGS & DERIVATIVES

Repair of O6-methylguanine damage in normal human tissues. D'Ambrosio SM, et al. **Basic Life Sci** 1990; 53:397–416 (119 ref.)
Broad-spectrum anti-DNA virus and anti-retrovirus activity of phosphonylmethoxyalkylpurines and -pyrimidines. De Clercq E. **Biochem Pharmacol** 1991 Aug 8;42(5):963–72 (69 ref.)
Why do O6-alkylguanine and O4-alkylthymine miscode? The relationship between the structure of DNA containing O6-alkylguanine and O4-alkylthymine and the mutagenic properties of these bases. Swann PF. **Mutat Res** 1990 Nov–Dec;233(1–2):81–94 (57 ref.)
Macromolecular adducts of ethylene oxide: a literature review and a time-course study on the formation of 7-(2-hydroxyethyl)guanine following exposures of rats by inhalation. Walker VE, et al. **Mutat Res** 1990 Nov–Dec; 233(1–2):151–64 (91 ref.)

METABOLISM

Physiological properties and repair of apurinic/apyrimidinic sites and imidazole ring-opened guanines in DNA. Laval J, et al. **Mutat Res** 1990 Nov–Dec;233(1–2):73–9 (56 ref.)

GUANINE NUCLEOTIDE REGULATORY PROTEIN

Structure and function of signal-transducing GTP-binding proteins. Kaziro Y, et al. **Annu Rev Biochem** 1991; 60:349–400 (254 ref.)
A guide to low molecular weight GTPases. Sanders DA. **Cell Growth Differ** 1990 May;1(5):251–8 (193 ref.)
[G proteins] Velarde V, et al. **Rev Med Chil** 1990 May; 118(5):580–6 (39 ref.) (Eng. Abstr.) **(Spa)**

BLOOD

Activation of inositol phospholipid-specific phospholipase C by P2-purinergic receptors in human phagocytic leukocytes. Role of pertussis toxin-sensitive G proteins. Dubyak GR, et al. **Ann N Y Acad Sci** 1990;603:227–44; discussion 244–5 (25 ref.)

CHEMISTRY

Diversity of G proteins in signal transduction. Simon MI, et al. **Science** 1991 May 10;252(5007):802–8 (86 ref.)
The P-loop—a common motif in ATP- and GTP-binding proteins. Saraste M, et al. **Trends Biochem Sci** 1990 Nov; 15(11):430–4 (31 ref.)

GENETICS

GTPase-inhibiting mutations in the alpha subunit of Gs. Masters SB, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:70–5 (23 ref.)
Analysis of G proteins in mammals and flies. Neer EJ. **Adv Second Messenger Phosphoprotein Res** 1990;24:58–62 (38 ref.)
The bcl-2 gene and protein in malignant lymphomas. Cleary ML. **Bull Cancer (Paris)** 1991;78(2):187–93 (27 ref.)
Reversion and rereversion in ras-transformed cells. Marshall CJ. **Immunol Ser** 1990;51:89–106 (81 ref.)
Structure and function of G protein coupled receptors. Lameh J, et al. **Pharm Res** 1990 Dec;7(12):1213–21 (62 ref.)
The ras superfamily of small GTP-binding proteins. Downward J. **Trends Biochem Sci** 1990 Dec;15(12):469–72 (34 ref.)

ISOLATION & PURIFICATION

Purification, characterization, and possible functions of small molecular weight GTP-binding proteins. Takai Y, et al. **Am J Hypertens** 1990 Aug;3(8 Pt 2):220S–223S (27 ref.)

METABOLISM

Bacterial toxins as probe for receptor-Gi coupling. Ui M, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:63–9 (13 ref.)
Regulation of heartbeat by G protein-coupled ion channels. Brown AM. **Am J Physiol** 1990 Dec;259(6 Pt 2):H1621–8 (44 ref.)
Guanine-nucleotide-binding proteins in diabetes and insulin-resistant states. Bushfield M, et al. **Biochem Soc Symp** 1990;56:137–54 (48 ref.)
The structure of G-protein-linked receptors. Findlay JB, et al. **Biochem Soc Symp** 1990;56:1–8 (15 ref.)
Specificity of interactions of receptors and effectors with GTP-binding proteins in native membranes. Milligan G, et al. **Biochem Soc Symp** 1990;56:21–34 (49 ref.)
Antibodies as probes of G-protein receptor-effector coupling and of G-protein membrane attachment. Spiegel AM, et al. **Biochem Soc Symp** 1990;56:61–9 (28 ref.)
Mutations in Gs alpha that alter the kinetics of guanine nucleotide binding and hydrolysis. Freissmuth M. **Biochem Soc Trans** 1991 Apr;19(2):437–41 (11 ref.)
Avian G-protein-regulated phospholipase C. Harden TK, et al. **Biochem Soc Trans** 1991 Apr;19(2):342–6 (31 ref.)
Molecular diversity and function of G proteins and calcium channels. Birnbaumer L, et al. **Biol Reprod** 1991 Feb; 44(2):207–24 (75 ref.)
G protein coupling of receptors to ionic channels and other effector systems. Birnbaumer L, et al. **Br J Clin Pharmacol** 1990;30 Suppl 1:13S–22S (32 ref.)
Gi-2 is at the centre of an active phosphorylation/dephosphorylation cycle in hepatocytes: the fine-tuning of stimulatory and inhibitory inputs into adenylate cyclase in normal and diabetic states. Houslay MD. **Cell Signal** 1991;3(1):1–9 (64 ref.)
The Ras superfamilies: regulatory proteins and post-translational modifications. Evans T, et al. **Curr Opin Cell Biol** 1991 Apr;3(2):185–91 (44 ref.)
Current developments in G-protein-coupled receptors. Libert F, et al. **Curr Opin Cell Biol** 1991 Apr;3(2):218–23 (53 ref.)
Structural heterogeneity of membrane receptors and GTP-binding proteins and its functional consequences for signal transduction. Boege F, et al. **Eur J Biochem** 1991 Jul 1;199(1):1–15 (251 ref.)

Direct up-regulating effect of Gs on the whole-cell L-type Ca current in cardiac cells. Shuba YM, et al. **Gen Physiol Biophys** 1991 Apr;10(2):105-10 (28 ref.)
Transmembrane signalling through G proteins. Miller RT. **Kidney Int** 1991 Mar;39(3):421-9 (92 ref.)
Reconstitution of receptors and G proteins in phospholipid vesicles. Cerione RA, et al. **Methods Enzymol** 1991; 195:329-42 (47 ref.)
G proteins. Linkages with amine receptors. Manning DR. **Neuropsychopharmacology** 1990 Oct-Dec;3(5-6):447-55 (57 ref.)
Three-dimensional modelling of G protein-linked receptors [published erratum appears in Trends Pharmacol Sci 1991 Mar;12(3):81] Findlay J, et al. **Trends Pharmacol Sci** 1990 Dec;11(12):492-9 (40 ref.)
Agonist control of G-protein levels. Milligan G, et al. **Trends Pharmacol Sci** 1991 Jun;12(6):207-9 (23 ref.)
G protein activation: a receptor-independent mode of action for cationic amphiphilic neuropeptides and venom peptides [see comments] Mousli M, et al. **Trends Pharmacol Sci** 1990 Sep;11(9):358-62 (39 ref.) Comment in: Trends Pharmacol Sci 1990 Oct;11(10):400-1.
[Mitogenic signaling pathways of growth factors can be distinguished by the involvement of pertussis toxin-sensitive GTP-binding protein and of protein kinase C] Kohno M. **Seikagaku** 1991 Jun;63(6):415-21 (21 ref.) **(Jpn)**
[The molecular mechanisms of the interaction of hormonal receptors coupled with G-proteins] Voeĭkov VL, et al. **Fiziol Zh SSSR** 1990 Sep;76(9):1138-44 (25 ref.) (Eng. Abstr.) **(Rus)**

PHARMACOLOGY

Structural and functional characterization of ADP-ribosylation factors, 20 kDa guanine nucleotide-binding proteins that activate cholera toxin. Moss J, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:83-8 (19 ref.)

PHYSIOLOGY

The mechanism of action of interleukin-1: a cytokine acting through glycosyl-phosphatidylinositol hydrolysis? Dobson PR, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:170-5 (19 ref.)
Regulation of adenylyl cyclase by G proteins. Gilman AG. **Adv Second Messenger Phosphoprotein Res** 1990;24:51-7 (36 ref.)
Roles of GTP-binding proteins and protein kinase C in signal transduction in the platelet. Haslam RJ, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:364-9 (19 ref.)
Pertussis toxin-sensitive G-proteins: participation in the modulation of voltage-dependent Ca2+ channels by hormones and neurotransmitters. Rosenthal W, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:89-94 (28 ref.)
Role of G proteins, cyclic AMP, and ion channels in the inhibition of transmitter release by adenosine. Fredholm BB, et al. **Ann N Y Acad Sci** 1990;604:276-88 (44 ref.)
Regulatory proteins in presynaptic function. Hertting G, et al. **Ann N Y Acad Sci** 1990;604:289-304 (61 ref.)
Model systems for the study of seven-transmembrane-segment receptors. Dohlman HG, et al. **Annu Rev Biochem** 1991;60:653-88 (258 ref.)
Receptor-G protein signaling in yeast. Blumer KJ, et al. **Annu Rev Physiol** 1991;53:37-57 (109 ref.)
The role of G proteins in transmembrane signalling. Taylor CW. **Biochem J** 1990 Nov 15;272(1):1-13 (165 ref.)
Direct and indirect modulation of neuronal calcium currents by G-protein activation. Dolphin AC, et al. **Biochem Soc Symp** 1990;56:45-60 (61 ref.)
The role and mechanism of the GTP-binding protein GE in the control of regulated exocytosis. Gomperts BD, et al. **Biochem Soc Symp** 1990;56:85-101 (79 ref.)
GTPase-inhibiting mutations activate the alpha-chain of Gs in human tumours. Vallar L. **Biochem Soc Symp** 1990; 56:165-70 (15 ref.)
Is phospholipase A2 activation regulated by G-proteins? Cockcroft S, et al. **Biochem Soc Trans** 1991 Apr;19(2):333-6 (25 ref.)
Regulation of cytosolic phosphoinositide-phospholipase C by G-protein, Gp. Cockcroft S, et al. **Biochem Soc Trans** 1991 Apr;19(2):299-302 (26 ref.)
Regulation of calcium channel activity by GTP binding proteins and second messengers. Dolphin AC. **Biochim Biophys Acta** 1991 Jan 10;1091(1):68-80 (113 ref.)
G-proteins and endothelial responses. Flavahan NA, et al. **Blood Vessels** 1990;27(2-5):218-29 (65 ref.)
Molecular biology of adrenergic receptors: model systems for the study of G-protein-mediated signal transduction. Fraser CM. **Blood Vessels** 1991;28(1-3):93-103 (39 ref.)
Small GTP-binding proteins of the ras family: a conserved functional mechanism? Chardin P. **Cancer Cells** 1991 Apr; 3(4):117-26 (49 ref.)
Inosine monophosphate dehydrogenase inhibitors. Probes for investigations of the functions of guanine nucleotide binding proteins in intact cells. Rizzo MT, et al. **Cell Signal** 1990;2(6):509-19 (69 ref.)
Signal transduction via G-protein-linked receptors: physiological regulation from the plasma membrane to the genome. Malbon CC, et al. **Chin J Physiol** 1991; 34(1):105-20 (39 ref.)
Beta-adrenoceptor--G-protein--adenylyl cyclase system in cardiac disease: a new insight into desensitization. Fu LX, et al. **Clin Physiol** 1991 Jan;11(1):1-7 (25 ref.)
Multiple opioid receptors and GTP-binding proteins. Ueda H, et al. **Comp Biochem Physiol [C]** 1991;98(1):157-69 (79 ref.)
Roles of G proteins in coupling of receptors to ionic channels and other effector systems. Birnbaumer L, et al. **Crit Rev Biochem Mol Biol** 1990;25(4):225-44 (261 ref.)
G proteins and modulation of insulin secretion. Robertson RP, et al. **Diabetes** 1991 Jan;40(1):1-6 (40 ref.)
Structure/function relationship of proteins belonging to the family of receptors coupled to GTP-binding proteins. Strosberg AD. **Eur J Biochem** 1991 Feb 26;196(1):1-10 (66 ref.)
Transduction of receptor signal into modulation of effector activity by G proteins: the first 20 years or so .... Birnbaumer L. **FASEB J** 1990 Nov;4(14):3178-88 (108 ref.)
G protein-mediated ion channel activation. Breitwieser GE. **Hypertension** 1991 May;17(5):684-92 (103 ref.)
GTP binding proteins and signal transduction in the human neutrophil. Weingarten R, et al. **Immunol Lett** 1990 Oct; 26(1):1-6 (35 ref.)
The interplay between ras oncogenes and tumor suppressor genes in experimental carcinogenesis. Balmain A, et al. **Immunol Ser** 1990;51:75-88 (59 ref.)
The 5-HT receptor--G-protein--effector system complex in depression. I. Effect of glucocorticoids. Lesch KP, et al. **J Neural Transm Gen Sect** 1991;84(1-2):3-18 (89 ref.)
On the origins and present state of the art of G protein research. Birnbaumer L. **J Recept Res** 1991;11(1-4):577-85 (55 ref.)
G proteins and calcium channels in myocardium. Fu LX, et al. **Life Sci** 1991;48(24):2291-5 (16 ref.)
The GTPase superfamily: a conserved switch for diverse cell functions. Bourne HR, et al. **Nature** 1990 Nov 8; 348(6297):125-32 (129 ref.)
Mx proteins: antiviral proteins by chance or by necessity? Arnheiter H, et al. **New Biol** 1990 Oct;2(10):851-7 (51 ref.)
G protein diversity and the regulation of signaling pathways. Reed RR. **New Biol** 1990 Nov;2(11):957-60 (29 ref.)
Adenosine release by morphine and spinal antinociception: role of G-proteins and cyclic AMP. Sawynok J, et al. **NIDA Res Monogr** 1991;105:40-6 (22 ref.)
Receptor-effector coupling by G-proteins: implications for neuronal plasticity. Spiegel AM. **Prog Brain Res** 1990; 86:269-76 (40 ref.)
G-proteins and second messengers in mitogenesis. Milligan G, et al. **Prog Growth Factor Res** 1989;1(3):161-77 (86 ref.)
GTP-binding proteins and platelet activation. Brass LF, et al. **Prog Hemost Thromb** 1991;10:127-74 (366 ref.)
G-proteins and their involvement in hormonal signal transduction. Gordeladze JO, et al. **Scand J Clin Lab Invest Suppl** 1990;202:127-30 (15 ref.)
[G protein--regulation of K channel] Kurachi Y. **Seikagaku** 1991 Jun;63(6):433-7 (18 ref.) **(Jpn)**
[Signal transduction mechanism of Ca2(+)-mobilizing hormone receptor and GTP binding proteins] Okajima F. **Seikagaku** 1990 Sep;62(9):1117-43 (216 ref.) **(Jpn)**
[G-proteins and their function] Križanová O, et al. **Cesk Fysiol** 1991;40(1):87-95 (37 ref.) **(Slo)**

GUANINE NUCLEOTIDES

METABOLISM

Mutations in Gs alpha that alter the kinetics of guanine nucleotide binding and hydrolysis. Freissmuth M. **Biochem Soc Trans** 1991 Apr;19(2):437-41 (11 ref.)

GUANOSINE

ANALOGS & DERIVATIVES

Cellular and biochemical studies of substituted guanine ribonucleoside immunostimulants. Goodman MG. **Immunopharmacology** 1991 Jan-Feb;21(1):51-68 (59 ref.)
The trimethyl-guanosine cap is a nuclear targeting signal for snRNPs. Lamond AL. **Trends Biochem Sci** 1990 Dec; 15(12):451-2 (12 ref.)

CHEMISTRY

Four-stranded nucleic acid structures 25 years later: from guanosine gels to telomer DNA. Guschlbauer W, et al. **J Biomol Struct Dyn** 1990 Dec;8(3):491-511 (88 ref.)

PHARMACOLOGY

Cellular and biochemical studies of substituted guanine ribonucleoside immunostimulants. Goodman MG. **Immunopharmacology** 1991 Jan-Feb;21(1):51-68 (59 ref.)

GUANOSINE CYCLIC MONOPHOSPHATE

Cyclic nucleotide phosphodiesterases. Possible targets for new drugs. Polson JB. **J Fla Med Assoc** 1990 Dec; 77(12):1045-6 (7 ref.)

ANALYSIS

Pharmacology of the second messenger, cyclic guanosine 3',5'-monophosphate, in the cerebellum. Wood PL. **Pharmacol Rev** 1991 Mar;43(1):1-25 (214 ref.)

METABOLISM

New insights into cGMP action. Corbin JD, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:411-8 (24 ref.)
Presynaptic modulation of sympathetic neurotransmitter release by modulators of cyclic 3',5'-guanosine monophosphate in canine vascular smooth muscle. Greenberg SS, et al. **Ann N Y Acad Sci** 1990;604:305-22 (98 ref.)
The guanylyl cyclase receptor family. Garbers DL. **New Biol** 1990 Jun;2(6):499-504 (45 ref.)
Cyclic nucleotide-dependent protein kinases. Scott JD. **Pharmacol Ther** 1991;50(1):123-45 (266 ref.)
The molecular genetics of retinal photoreceptor proteins involved in cGMP metabolism. Pittler SJ, et al. **Prog Clin Biol Res** 1991;362:33-66 (93 ref.)
A review of in vivo modulation of cerebellar cGMP levels by excitatory amino acid receptors: role of NMDA, quisqualate and kainate subtypes. Wood PL, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1991; 15(2):229-35 (35 ref.)
[Trend in the development of new inhibitors of cyclic nucleotide metabolism and their clinical application] Hidaka H, et al. **Nippon Rinsho** 1991 Apr;49(4):961-7 (13 ref.) **(Jpn)**

PHARMACOLOGY

Towards an understanding of the mechanism of action of cyclic AMP and cyclic GMP in smooth muscle relaxation. Lincoln TM, et al. **Blood Vessels** 1991;28(1-3):129-37 (37 ref.)

PHYSIOLOGY

A role for cyclic GMP in the initiation of cardiac pressor reflexes by bradykinin and capsaicin. Woolley G, et al. **Pol J Pharmacol Pharm** 1990 May-Jun;42(3):249-57 (22 ref.)
Cyclic GMP and calcium: the internal messengers of excitation and adaptation in vertebrate photoreceptors. Pugh EN Jr, et al. **Vision Res** 1990;30(12):1923-48 (140 ref.)

URINE

[Evaluation of urinary excretion of cyclic guanosine monophosphate in clinical cardiology] Baudouy PY, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):777-84 (30 ref.) (Eng. Abstr.) **(Fre)**

GUANOSINE CYCLIC 2',3'-MONOPHOSPHATE see **GUANOSINE CYCLIC MONOPHOSPHATE**

GUANOSINE CYCLIC 3',5'-MONOPHOSPHATE see **GUANOSINE CYCLIC MONOPHOSPHATE**

GUANOSINE DIPHOSPHATE

METABOLISM

Surfaces of interaction between Gt and rhodopsin in the GDP-bound and empty-pocket configurations. Hamm HE. **Adv Second Messenger Phosphoprotein Res** 1990;24:76-82 (15 ref.)

GUANOSINE PHOSPHATES see **GUANINE NUCLEOTIDES**

GUANOSINE TRIPHOSPHATE

METABOLISM

Nucleotide hydrolysis in cytoskeletal assembly. Carlier MF. **Curr Opin Cell Biol** 1991 Feb;3(1):12-7 (49 ref.)
Dynamin: a microtubule-associated GTP-binding protein. Obar RA, et al. **J Cell Sci Suppl** 1991;14:143-5 (22 ref.)

PHYSIOLOGY

The GTPase superfamily: a conserved switch for diverse cell functions. Bourne HR, et al. **Nature** 1990 Nov 8; 348(6297):125-32 (129 ref.)

GUANOSINE TRIPHOSPHATE PHOSPHOHYDROLASE see **GTP PHOSPHOHYDROLASE**

GUANOSINETRIPHOSPHATASE see **GTP PHOSPHOHYDROLASE**

GUANYL CYCLASE

Guanylate cyclase receptor family. Garbers DL. **Recent Prog Horm Res** 1990;46:85-96; discussion 96-7 (64 ref.)

CHEMISTRY

Sequence homologies between guanylyl cyclases and

structural analogies to other signal-transducing proteins. Koesling D, et al. **FEBS Lett** 1991 Mar 25;280(2):301-6 (30 ref.)

GENETICS

The molecular genetics of retinal photoreceptor proteins involved in cGMP metabolism. Pittler SJ, et al. **Prog Clin Biol Res** 1991;362:33-66 (93 ref.)

METABOLISM

Identification of a cell surface receptor common to germ and somatic cells. Garbers DL. **Biol Reprod** 1991 Feb; 44(2):225-30 (70 ref.)

Heme-dependent activation of guanylate cyclase by nitric oxide: a novel signal transduction mechanism. Ignarro LJ. **Blood Vessels** 1991;28(1-3):67-73 (40 ref.)

The guanylyl cyclase receptor family. Garbers DL. **New Biol** 1990 Jun;2(6):499-504 (45 ref.)

PHYSIOLOGY

Signal transduction by guanylyl cyclases. Chinkers M, et al. **Annu Rev Biochem** 1991;60:553-75 (146 ref.)

The expanding family of guanylyl cyclases. Schulz S, et al. **Trends Pharmacol Sci** 1991 Mar;12(3):116-20 (47 ref.)

GUERIN-STERN SYNDROME see **ARTHROGRYPOSIS**

GUIDELINES FOR HEALTH PLANNING see **HEALTH PLANNING GUIDELINES**

GUILLAIN-BARRE SYNDROME see **POLYRADICULONEURITIS**

GUILT

Feminism and the cognitive theory of emotion: anger, blame and humor. Shibles W. **Women Health** 1991;17(1):57-69 (38 ref.)

[Guilt and freedom--psychiatric-psychotherapeutic and anthropologic aspects] Bron B. **Psychother Psychosom Med Psychol** 1990 Dec;40(12):480-7 (61 ref.) (Eng. Abstr.) **(Ger)**

GUINEA WORM INFECTION see **DRACUNCULOSIS**

L-GULARIC ACID see **GLUCARIC ACID**

GUMBORO DISEASE VIRUS see **INFECTIOUS BURSAL AGENT**

GUMS see **GINGIVA**

GYMNASTICS

Performance variables associated with the competitive gymnast. Bale P, et al. **Sports Med** 1990 Sep;10(3):139-45 (53 ref.)

[Sports in ankylosing spondylitis] Spring H. **Schweiz Rundsch Med Prax** 1991 Jun 4;80(23):629-35 (36 ref.) (Eng. Abstr.) **(Ger)**

INJURIES

Gymnast's wrist. Dobyns JH, et al. **Hand Clin** 1990 Aug; 6(3):493-505 (23 ref.)

Gymnastics. Lane V. **Practitioner** 1990 Aug;234(1493):752-5 (0 ref.)

GYMNODINIUM see **DINOFLAGELLIDA**

GYNECOLOGIC DISEASES see **GENITAL DISEASES, FEMALE**

GYNECOLOGIC NEOPLASMS see **GENITAL NEOPLASMS, FEMALE**

GYNECOLOGY

see related
GENITAL DISEASES, FEMALE

Expert systems in obstetrics and gynaecology. Chard T, et al. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):815-40 (55 ref.)

Computer-aided decision support--glittering prospects, practical problems, and Pandora's box. De Dombal FT. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):841-9 (11 ref.)

History-taking by computer. Lilford RJ, et al. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):723-42 (41 ref.)

Decision analysis in obstetrics and gynaecology. Thornton JG. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):857-66 (6 ref.)

HIV infection. Managing exposure risks for the obstetrician/gynecologist. Crombleholme WR. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):627-36 (18 ref.)

METHODS

Recent technical progress in obstetrics and gynecology in Japan. Maeda K. **Front Med Biol Eng** 1990;2(2):81-7 (30 ref.)

Use of fibrin glue in obstetrics and gynecology: a review of the literature. Adamyan LV, et al. **Int J Fertil** 1991 Mar-Apr;36(2):76-7, 81-8 (112 ref.)

GYNECOMASTIA

The male breast. Webster DJ. **Br J Clin Pract Symp Suppl** 1989 Nov;68:137-42; discussion 157-8 (33 ref.)

Adolescent gynecomastia. Differential diagnosis and management. Mahoney CP. **Pediatr Clin North Am** 1990 Dec;37(6):1389-404 (72 ref.)

DIAGNOSIS

[A case of Reifenstein syndrome] Hajima Y, et al. **Nippon Naika Gakkai Zasshi** 1990 Aug 10;79(8):1083-4 (3 ref.) **(Jpn)**

ETIOLOGY

Gynecomastia. Young VL, et al. **Mo Med** 1991 Mar; 88(3):153-8 (28 ref.)

[Male hypogonadism and gynecomastia] Schreiber G, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3-4):165-70 (15 ref.) **(Ger)**

[Gynecomastia] Zgliczyński W, et al. **Pol Tyg Lek** 1989 Dec 2-24;44(49-52):973-6 (36 ref.) **(Pol)**

SURGERY

[Idiopathic prepubertal gynecomastia] Hernánz de la Fuente F, et al. **Cir Pediatr** 1989 Apr;2(2):79-82 (19 ref.) (Eng. Abstr.) **(Spa)**

GYRATE ATROPHY

ENZYMOLOGY

Molecular basis of ornithine aminotransferase defect in gyrate atrophy. Inana G, et al. **Prog Clin Biol Res** 1991; 362:191-219 (45 ref.)

GYRECTOMY see **PSYCHOSURGERY**

GYRUS CINGULI

PHYSIOLOGY

Functions of anterior and posterior cingulate cortex during avoidance learning in rabbits. Gabriel M. **Prog Brain Res** 1990;85:467-82; discussion 482-3 (26 ref.)

H-2 ANTIGENS

IMMUNOLOGY

The regulation of antibody responses to antigens of the cell surface: studies with Thy-1 and H-2 antigens. Lake P, et al. **Immunol Ser** 1989;45:367-94 (28 ref.)

Neonatal tolerance of H-2 alloantigens. Procuring graft acceptance the "old-fashioned" way. Streilein JW. **Transplantation** 1991 Jul;52(1):1-10 (60 ref.)

The major histocompatibility complex: the value of extended haplotypes in the analysis of associated immune diseases and disorders. Kruskall MS. **Yale J Biol Med** 1990 Sep-Oct; 63(5):477-86 (39 ref.)

H 93-26 see **METOPROLOL**

H(+)ATPASE COMPLEX see **H(+)-TRANSPORTING ATPASE**

H-D ANTIBODIES see **ANTIBODIES, HETEROPHILE**

H-D ANTIGENS see **ANTIGENS, HETEROPHILE**

H-REFLEX

PHYSIOLOGY

Neurographic assessment of central delay changes in the H reflex pathway: a new test of spinal function in man. Abbruzzese M, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:73-83 (40 ref.)

H(+)-TRANSPORTING ATPASE

CHEMISTRY

Hydrolysis of ATP by F1 can be described only on the basis of a dual-site mechanism. Berden JA, et al. **Biochim Biophys Acta** 1991 Mar 29;1057(2):151-6 (42 ref.)

Structural properties of vacuolar proton pumps. Stone DK, et al. **Kidney Int** 1990 Oct;38(4):649-53 (47 ref.)

GENETICS

Post-transcriptional control in the polycistronic operon environment: studies of the atp operon of Escherichia coli. McCarthy JE. **Mol Microbiol** 1990 Aug;4(8):1233-40 (37 ref.)

METABOLISM

Structure and mechanism of FoF1-type ATP synthases and ATPases. Penefsky HS, et al. **Adv Enzymol Relat Areas Mol Biol** 1991;64:173-214 (153 ref.)

Lysosomal storage of the DCCD reactive proteolipid subunit of mitochondrial ATP synthase in human and ovine ceroid lipofuscinoses. Palmer DN, et al. **Adv Exp Med Biol** 1989; 266:211-22; discussion 223 (41 ref.)

Three proton-pumping ATPases in yeast. Goffeau A, et al. **Microbiol Sci** 1986 Jun;3(6):164-8 (25 ref.)

[ATP-synthase of bacteria, mitochondria, and chloroplasts. Properties of the F(0) membrane sector] Ivashchenko AT, et al. **Biokhimiia** 1991 Mar;56(3):406-19 (103 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

H+/OH-/HCO3- transport mechanisms in the inner stripe of the outer medullary collecting duct. Hays SR. **Semin Nephrol** 1991 Jan;11(1):45-54 (93 ref.)

Distribution and function of the renal ATPase (H(+)-ATPase). Sabatini S. **Semin Nephrol** 1991 Jan; 11(1):37-44 (77 ref.)

[Regulatory mechanism of the cytoplasmic pH by H(+)-adenosinetriphosphatase] Kobayashi H. **Yakugaku Zasshi** 1990 Oct;110(10):703-10 (67 ref.) (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Electron microscopy and image analysis of the complexes I and V of the mitochondrial respiratory chain. Brink J, et al. **Electron Microsc Rev** 1988;1(2):175-99 (121 ref.)

H-Y ANTIGEN

On the nature of H-Y antigen. Concluding remarks. Wachtel SS, et al. **Differentiation** 1983;23 Suppl:S121 (10 ref.)

PHYSIOLOGY

Testicular differentiation--a developmental cascade. Morphogenetic effects of H-Y antigen and testosterone in the male mammalian gonad. Müller U, et al. **Differentiation** 1983;23 Suppl:S99-103 (60 ref.)

HA-RAS GENES see **GENES, RAS**

HABILITATION see **REHABILITATION**

HABIT DISTURBANCES see **HABITS**

HABITS

Behavioural (non-chemical) addictions [editorial] [see comments] Marks I. **Br J Addict** 1990 Nov;85(11):1389-94 (15 ref.) Comment in: Br J Addict 1990 Nov;85(11):1417-9; discussion 1429-31. Comment in: Br J Addict 1990 Nov;85(11):1421-3; discussion 1429-31. Comment in: Br J Addict 1990 Nov;85(11):1425-7; discussion 1429-31.

Applications of relaxation and mental imagery (self-hypnosis) for habit problems. Kohen DP. **Pediatr Ann** 1991 Mar; 20(3):136-8, 141-4 (13 ref.)

HABITUATION (PSYCHOPHYSIOLOGY)

DRUG EFFECTS

Facilitation of memory by peripheral administration of substance P and naloxone using avoidance and habituation learning tasks. Tomaz C, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):447-53 (43 ref.)

PHYSIOLOGY

Learning processes in the human newborn. Sensitization, habituation, and classical conditioning. Lipsitt LP. **Ann N Y Acad Sci** 1990;608:113-23; discussion 123-7 (32 ref.)

Startle response models of sensorimotor gating and habituation deficits in schizophrenia. Geyer MA, et al. **Brain Res Bull** 1990 Sep;25(3):485-98 (87 ref.)

Habituation deficits, serotonergic function, and schizophrenia: new animal model data. Braff DL, et al. **Psychopharmacol Bull** 1988;24(3):426-30 (19 ref.)

HAEMAMOEBA see **PLASMODIUM**

HAEMOBARTONELLOSIS see **ANAPLASMATACEAE INFECTIONS**

HAEMONCHUS

GENETICS

Molecular biology of the cuticle collagen gene families of Caenorhabditis elegans and Haemonchus contortus. Cox GN. **Acta Trop (Basel)** 1990 Jul;47(5-6):269-81 (32 ref.)

HAEMOPHILUS DUCREYI

HAEMOPHILUS DUCREYI

see related
CHANCROID

HAEMOPHILUS INFECTIONS

Vaginitis syndromes. Schaeffer AJ. **Semin Urol** 1991 Feb; 9(1):9–14 (15 ref.)

Sternoclavicular septic arthritis due to haemophilus influenzae. Koroscil TM, et al. **South Med J** 1990 Dec; 83(12):1469–71 (3 ref.)

IMMUNOLOGY

Cystic fibrosis. Infection and immunity to Staphylococcus aureus and Haemophilus influenzae. Greenberg DP, et al. **Clin Rev Allergy** 1991 Spring–Summer;9(1–2):75–86 (46 ref.)

MICROBIOLOGY

Intraamniotic infection with Haemophilus influenzae. Report of a case and review of the literature. Mazor M, et al. **Arch Gynecol Obstet** 1991;249(1):47–50 (14 ref.)

Haemophilus influenzae septicaemia in the neonate: report of two cases and review of the English literature. Wong SN, et al. **J Paediatr Child Health** 1991 Apr;27(2):113–5 (30 ref.)

The role of Haemophilus influenzae in the pathogenesis of pneumonia. Moxon ER, et al. **Rev Infect Dis** 1991 May–Jun; 13 Suppl 6:S518–27 (78 ref.)

[Vaginitis and vaginosis] Cerza S, et al. **Minerva Ginecol** 1990 Sep;42(9):333–6 (17 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

[Haemophilus influenzae type b infections in children] Neijens HJ, et al. **Ned Tijdschr Geneeskd** 1991 Jan 5; 135(1):13–6 (18 ref.) **(Dut)**

PREVENTION & CONTROL

Immunisation for the prevention of Haemophilus influenzae type b infections: a review. Clements DA, et al. **Aust N Z J Med** 1990 Dec;20(6):828–34 (62 ref.)

Haemophilus influenzae disease and immunization in developing countries. Funkhouser A, et al. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S542–54 (103 ref.)

Prevention of invasive Haemophilus influenzae type b disease: lessons from vaccine efficacy trials. Ward J. **Vaccine** 1991 Jun;9 Suppl:S17–24; discussion S25 (69 ref.)

SURGERY

[Endocarditis caused by Haemophilus: early surgical treatment? (letter)] Pedro-Botet ML, et al. **Enferm Infecc Microbiol Clin** 1990 May;8(5):325–6 (10 ref.) **(Spa)**

TRANSMISSION

Haemophilus influenzae type b infections: secondary cases and recurrent disease. Kristensen K. **Dan Med Bull** 1991 Apr;38(2):179–80 (29 ref.)

HAEMOPHILUS INFLUENZAE

Intraamniotic infection with Haemophilus influenzae. Report of a case and review of the literature. Mazor M, et al. **Arch Gynecol Obstet** 1991;249(1):47–50 (14 ref.)

Haemophilus influenzae type b infections: secondary cases and recurrent disease. Kristensen K. **Dan Med Bull** 1991 Apr;38(2):179–80 (29 ref.)

World-wide epidemiology of Haemophilus influenzae meningitis; industrialized versus non-industrialized countries. Bijlmer HA. **Vaccine** 1991 Jun;9 Suppl:S5–9; discussion S25 (36 ref.)

Prevention of invasive Haemophilus influenzae type b disease: lessons from vaccine efficacy trials. Ward J. **Vaccine** 1991 Jun;9 Suppl:S17–24; discussion S25 (69 ref.)

[Haemophilus influenzae type b infections in children] Neijens HJ, et al. **Ned Tijdschr Geneeskd** 1991 Jan 5; 135(1):13–6 (18 ref.) **(Dut)**

DRUG EFFECTS

Antibiotic resistance in Europe and the current use of antibiotics in severe pediatric infections. Levy J. **Scand J Infect Dis Suppl** 1990;73:23–9 (50 ref.)

IMMUNOLOGY

New developments in vaccines. Daum RS, et al. **Adv Pediatr Infect Dis** 1991;6:1–57 (243 ref.)

Immunisation for the prevention of Haemophilus influenzae type b infections: a review. Clements DA, et al. **Aust N Z J Med** 1990 Dec;20(6):828–34 (62 ref.)

Cystic fibrosis. Infection and immunity to Staphylococcus aureus and Haemophilus influenzae. Greenberg DP, et al. **Clin Rev Allergy** 1991 Spring–Summer;9(1–2):75–86 (46 ref.)

Haemophilus influenzae disease and immunization in developing countries. Funkhouser A, et al. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S542–54 (103 ref.)

ISOLATION & PURIFICATION

Haemophilus influenzae septicaemia in the neonate: report of two cases and review of the English literature. Wong SN, et al. **J Paediatr Child Health** 1991 Apr;27(2):113–5 (30 ref.)

Sternoclavicular septic arthritis due to haemophilus influenzae. Koroscil TM, et al. **South Med J** 1990 Dec; 83(12):1469–71 (3 ref.)

PATHOGENICITY

The role of Haemophilus influenzae in the pathogenesis of pneumonia. Moxon ER, et al. **Rev Infect Dis** 1991 May–Jun; 13 Suppl 6:S518–27 (78 ref.)

HAEMOPHILUS VAGINALIS see **GARDNERELLA VAGINALIS**

HAGEMAN FACTOR see **FACTOR XII**

HAIR

ABNORMALITIES

Cardio-facio cutaneous syndrome: neurological manifestations. Gross-Tsur V, et al. **Clin Genet** 1990 Nov; 38(5):382–6 (5 ref.)

Coffin–Siris syndrome. Levy P, et al. **J Med Genet** 1991 May; 28(5):338–41 (19 ref.)

ANATOMY & HISTOLOGY

Hair anatomy for the clinician. Sperling LC. **J Am Acad Dermatol** 1991 Jul;25(1 Pt 1):1–17 (16 ref.)

CHEMISTRY

[Determination of trace elements in the hair: significance and limitations] Lamand M, et al. **Ann Biol Clin (Paris)** 1990; 48(7):433–42 (101 ref.) (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

[Adverse drug reactions on hair] Gollnick H, et al. **Z Hautkr** 1990 Dec;65(12):1128–34 (51 ref.) (Eng. Abstr.) **(Ger)**

[Objective assessment of therapeutic hair growth--methods, possibilities and problems] Schell H. **Z Hautkr** 1990 Dec; 65(12):1080–4 (27 ref.) (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Special problems of hair goats. Bretzlaff K. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):721–35 (16 ref.)

PATHOLOGY

Follicular hybrid cysts. An expanded spectrum. Requena L, et al. **Am J Dermatopathol** 1991 Jun;13(3):228–33 (32 ref.)

A review and proposed new classification of benign acquired neoplasms with hair follicle differentiation. Rosen LB. **Am J Dermatopathol** 1990 Oct;12(5):496–516 (106 ref.)

TRANSPLANTATION

Hair transplantation and bald-scalp reduction. Pinski JB. **Dermatol Clin** 1991 Jan;9(1):151–68 (25 ref.)

ULTRASTRUCTURE

Hair casts: a clinical and electron microscopic study. Zhu WY, et al. **Pediatr Dermatol** 1990 Dec;7(4):270–4 (15 ref.)

HAIR BALLS see **BEZOARS**

HAIR CELLS

PHYSIOLOGY

The electrophysiology of hair cells. Ashmore JF. **Annu Rev Physiol** 1991;53:465–76 (64 ref.)

High frequency force generation in outer hair cells from the mammalian ear. Holley M. **Bioessays** 1991 Mar; 13(3):115–20 (42 ref.)

Hair cell regeneration in the avian cochlea: if it works in birds, why not in man? Girod DA, et al. **Ear Nose Throat J** 1991 Jun;70(6):343–50, 353–4 (25 ref.)

Modeling the interactions between noise exposure and other variables. Humes LE, et al. **J Acoust Soc Am** 1991 Jul; 90(1):182–8 (21 ref.)

PHYSIOPATHOLOGY

Noise exposure from leisure activities: a review. Clark WW. **J Acoust Soc Am** 1991 Jul;90(1):175–81 (54 ref.)

Recent studies of temporary threshold shift (TTS) and permanent threshold shift (PTS) in animals. Clark WW. **J Acoust Soc Am** 1991 Jul;90(1):155–63 (65 ref.)

Field studies: industrial exposures. Johnson DL. **J Acoust Soc Am** 1991 Jul;90(1):170–4 (22 ref.)

HAIR CELLS, INNER

PHYSIOLOGY

Auditory hair cells: structure, function, development, and regeneration. Corwin JT, et al. **Annu Rev Neurosci** 1991; 14:301–33 (211 ref.)

HAIR COLORANTS see **HAIR DYES**

HAIR DISEASES

Unilateral erythromelanosis follicularis faciei et colli in a young girl. McGillis ST, et al. **J Am Acad Dermatol** 1991 Aug;25(2 Pt 2):430–2 (10 ref.)

CHEMICALLY INDUCED

Hair cosmetics. Draelos ZK. **Dermatol Clin** 1991 Jan; 9(1):19–27 (26 ref.)

[Adverse drug reactions on hair] Gollnick H, et al. **Z Hautkr** 1990 Dec;65(12):1128–34 (51 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

White forelock in Marfan's syndrome: an unusual association, with review of the literature. Herman KL, et al. **Cutis** 1991 Jul;48(1):82–4 (21 ref.)

The association of keratosis pilaris atrophicans with hereditary woolly hair. McHenry PM, et al. **Pediatr Dermatol** 1990 Sep;7(3):202–4 (17 ref.)

GENETICS

[What is new in genetically-induced hair diseases?] Traupe H, et al. **Z Hautkr** 1990 Dec;65(12):1085–91 (16 ref.) (Eng. Abstr.) **(Ger)**

PARASITOLOGY

Parasites of the skin and hair. Blondell RD. **Prim Care** 1991 Mar;18(1):167–83 (47 ref.)

PATHOLOGY

Follicular hybrid cysts. An expanded spectrum. Requena L, et al. **Am J Dermatopathol** 1991 Jun;13(3):228–33 (32 ref.)

Hair casts: a clinical and electron microscopic study. Zhu WY, et al. **Pediatr Dermatol** 1990 Dec;7(4):270–4 (15 ref.)

[Multiple infundibuloma] Cribier B, et al. **Ann Dermatol Venereol** 1991;118(4):281–5 (20 ref.) (Eng. Abstr.) **(Fre)**

[Loose anagen hair syndrome] Lalević-Vasić B, et al. **Ann Dermatol Venereol** 1990;117(10):701–7 (18 ref.) (Eng. Abstr.) **(Fre)**

HAIR DYES

ADVERSE EFFECTS

Hair cosmetics. Draelos ZK. **Dermatol Clin** 1991 Jan; 9(1):19–27 (26 ref.)

TOXICITY

Review of lead toxicology relevant to the safety assessment of lead acetate as a hair colouring. Cohen AJ, et al. **Food Chem Toxicol** 1991 Jul;29(7):485–507 (205 ref.)

HAIR PREPARATIONS

ADVERSE EFFECTS

Hair cosmetics. Draelos ZK. **Dermatol Clin** 1991 Jan; 9(1):19–27 (26 ref.)

POISONING

Toxicity and carcinogenicity of potassium bromate--a new renal carcinogen. Kurokawa Y, et al. **Environ Health Perspect** 1990 Jul;87:309–35 (111 ref.)

HAIR REMOVAL

ADVERSE EFFECTS

[Pseudomonas aeruginosa folliculitis after skin depilation [letter] Reparaz Padrós J. **Enferm Infecc Microbiol Clin** 1990 Jun–Jul;8(6):393–4 (7 ref.) **(Spa)**

HAIRY CELL LEUKEMIA see **LEUKEMIA, HAIRY CELL**

HAJDU-CHENEY SYNDROME see **OSTEOLYSIS, ESSENTIAL**

HALLERVORDEN-SPATZ SYNDROME

DIAGNOSIS

[The role of magnetic resonance imaging in the diagnosis of Hallervorden-Spatz disease] Tabuchi M, et al. **Rinsho Shinkeigaku** 1990 Sep;30(9):972–7 (14 ref.) (Eng. Abstr.) **(Jpn)**

HALLUCINATIONS

CHEMICALLY INDUCED

Behavioral complications of drug treatment of Parkinson's disease. Cummings JL. **J Am Geriatr Soc** 1991 Jul;

39(7):708–16 (89 ref.)

HALLUCINOGENS

PHARMACOLOGY

Do classical hallucinogens act as 5-HT2 agonists or antagonists? Glennon RA. **Neuropsychopharmacology** 1990 Oct–Dec;3(5–6):509–17 (69 ref.)

Phenylalkylamine stimulants, hallucinogens, and designer drugs. Glennon RA. **NIDA Res Monogr** 1991;105:154–60 (9 ref.)

HALLUCINOSIS, ORGANIC see **ORGANIC MENTAL DISORDERS, PSYCHOTIC**

HALLUX

Sesamoid disorders and treatment. An update. Leventen EO. **Clin Orthop** 1991 Aug;(269):236–40 (11 ref.)

INJURIES

Great toe sesamoid injuries in the athlete. Dietzen CJ. **Orthop Rev** 1990 Nov;19(11):966–72 (8 ref.)

SURGERY

Iatrogenically induced hallux varus. Edelman RD. **Clin Podiatr Med Surg** 1991 Apr;8(2):367–82 (19 ref.)

HALLUX ABDUCTOVALGUS see **HALLUX VALGUS**

HALLUX VALGUS

Pathology of the fifth ray, including the tailor's bunion deformity. Fallat LM. **Clin Podiatr Med Surg** 1990 Oct; 7(4):689–715 (52 ref.)

ETIOLOGY

Iatrogenically induced hallux varus. Edelman RD. **Clin Podiatr Med Surg** 1991 Apr;8(2):367–82 (19 ref.)

SURGERY

Soft-tissue bunionectomy in podiatric surgery. Ford LB. **Clin Podiatr Med Surg** 1991 Jan;8(1):63–70 (5 ref.)

Soft-tissue bunionectomy with first metatarsal ostectomy using minimal incision technique. Van Enoo RE. **Clin Podiatr Med Surg** 1991 Jan;8(1):71–80 (18 ref.)

Surgical management of foot disorders: bunions and bunionettes. Holmes GB Jr. **Curr Opin Rheumatol** 1991 Feb;3(1):98–101 (14 ref.)

Treatment of bunionette deformity with longitudinal diaphyseal osteotomy with distal soft tissue repair. Coughlin MJ. **Foot Ankle** 1991 Feb;11(4):195–203 (34 ref.)

HALOBACTERIUM

METABOLISM

Halophilic proteins and the influence of solvent on protein stabilization. Zaccai G, et al. **Trends Biochem Sci** 1990 Sep; 15(9):333–7 (35 ref.)

HALOGENATED HYDROCARBONS see **HYDROCARBONS, HALOGENATED**

HALOPERIDOL

PHARMACOLOGY

[Sexual dimorphism in the brain and drug actions: with special reference to the sex difference in the functional effects of maternal exposure to drugs in the littermate offspring] Fujii T. **Yakubutsu Seishin Kodo** 1991 Feb; 11(1):17–28 (36 ref.) (Eng. Abstr.) **(Jpn)**

HALOTHANE

Use of halothane and isoflurane in the horse. Brunson DB. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):529–41 (34 ref.)

ADVERSE EFFECTS

Hapten carrier conjugates associated with halothane hepatitis. Pohl LR, et al. **Adv Exp Med Biol** 1991;283:111–20 (50 ref.)

The molecular basis of halothane-induced hepatitis. Kenna JG. **Biochem Soc Trans** 1991 Feb;19(1):191–5 (21 ref.)

Halothane hepatitis. Ray DC, et al. **Br J Anaesth** 1991 Jul; 67(1):84–99 (187 ref.)

PHARMACOKINETICS

19F-nuclear magnetic resonance spectroscopy. Its use in defining molecular sites of anesthetic action. Evers AS, et al. **Ann N Y Acad Sci** 1991;625:725–32 (10 ref.)

In vivo 19F nuclear magnetic resonance brain studies of halothane, isoflurane, and desflurane. Rapid elimination and no abundant saturable binding. Litt L, et al. **Ann N Y Acad Sci** 1991;625:707–24 (33 ref.)

PHARMACOLOGY

Halothane, catecholamines, and cardiac conduction: anything new? [editorial; comment] Bosnjak ZJ, et al. **Anesth Analg** 1991 Jan;72(1):1–4 (25 ref.) Comment on: Anesth Analg 1991 Jan;72(1):5–10. Comment on: Anesth Analg 1991 Jan;72(1):11–7.

A comparison of cerebral blood flow reactivity to CO2 during halothane versus isoflurane anesthesia for carotid endarterectomy. Young WL, et al. **Anesth Analg** 1991 Oct; 73(4):416–21 (33 ref.)

Studies on cellular mechanisms underlying general anesthesia using cultured molluscan neurons. Winlow W, et al. **Ann N Y Acad Sci** 1991;625:269–72 (12 ref.)

THERAPEUTIC USE

Resistant status asthmaticus in children. DeNicola LK, et al. **J Fla Med Assoc** 1990 Sep;77(9):809–13 (30 ref.)

HALSTED MASTECTOMY see **MASTECTOMY, RADICAL**

HAMADRYAS see **PAPIO**

HAMARTOMA

Hamartoma of the breast. McGuire LI, et al. **Aust N Z J Surg** 1991 Sep;61(9):713–6 (10 ref.)

Tailgut cyst (retrorectal cyst hamartoma): case report and review. Pyo DJ. **Mt Sinai J Med** 1990 Sep;57(4):249–52 (16 ref.)

DIAGNOSIS

[Splenic hamartoma] Masuda M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Dec;87(12):2680–4 (20 ref.) **(Jpn)**

[A case of splenic hamartoma] Yamada Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Dec;87(12):2685–9 (19 ref.) **(Jpn)**

PATHOLOGY

Lipomatous hamartoma of the tricuspid valve: echocardiographic-pathologic correlations. Crotty TB, et al. **Clin Cardiol** 1991 Mar;14(3):262–6 (20 ref.)

Distinctive case. Adult mesenchymal hamartoma of the liver: report of a case with light microscopic, FNA cytology, immunohistochemistry, and ultrastructural studies and review of the literature. Drachenberg CB, et al. **Mod Pathol** 1991 May;4(3):392–5 (22 ref.)

[Neuromuscular hamartoma] Boman F, et al. **Ann Pathol** 1991;11(1):36–41 (10 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Partial splenectomy for symptomatic splenic hamartoma. Havlik RJ, et al. **J Pediatr Surg** 1990 Dec;25(12):1273–5 (14 ref.)

ULTRASONOGRAPHY

Ultrasonographic diagnosis of a fetal abdominal mass: a case of a mesenchymal liver hamartoma and a review of the literature. Hirata GI, et al. **Prenat Diagn** 1990 Aug; 10(8):507–12 (21 ref.)

HAMARTOMA SYNDROME, MULTIPLE

COMPLICATIONS

The spleen in the spleen syndrome: the association of splenoma with hematopoietic and neoplastic disease—compendium of cases since 1864. Steinberg JJ, et al. **J Surg Oncol** 1991 Jul;47(3):193–202 (52 ref.)

SURGERY

Fibrous hamartoma of infancy manifested as multiple nodules—a case report. Jung PM, et al. **J Korean Med Sci** 1990 Dec;5(4):243–7 (12 ref.)

HAMMAN-RICH SYNDROME see **PULMONARY FIBROSIS**

HAMSTER SPUMAVIRUS see **SPUMAVIRINAE**

HAMSTERS

METABOLISM

Species-specific changes in the metabolic control of food intake: integrating the animal with its environment. Bartness TJ. **Int J Obes** 1990;14 Suppl 3:115–23; discussion 123–4 (51 ref.)

HAND

Osteoid osteomas of the hand. Report of three cases and review of the literature. Muren C, et al. **Acta Radiol** 1991 Jan;32(1):62–6 (22 ref.)

Soft tissue tumours of the hand. Rayner CR. **J Hand Surg [Br]** 1991 May;16(2):125–6 (2 ref.)

Surgical management of palmar hyperhidrosis. Riolo J, et al. **South Med J** 1990 Oct;83(10):1138–43 (16 ref.)

[Acrometastases. Apropos of 2 cases. Review of the literature] Desmanet E, et al. **Ann Chir Main Memb Super** 1991;10(2):154–7 (14 ref.) (Eng. Abstr.) **(Fre)**

[Compression of the median nerve in the carpal tunnel due to an intra-canal palmar muscle] Schuhl JF. **Ann Chir Main Memb Super** 1991;10(2):171–3; discussion 174 (7 ref.) (Eng. Abstr.) **(Fre)**

[Acrodysostosis in a sister and brother born to normal parents] Taillet-Bellemère C, et al. **Ann Pediatr (Paris)** 1991 Jan;38(1):31–6 (29 ref.) (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Useful measurements in the evaluation of hand radiographs. Poznanski AK. **Hand Clin** 1991 Feb;7(1):21–36 (15 ref.)

BLOOD SUPPLY

Arterial abnormalities of the hand in athletes. Nuber GW, et al. **Am J Sports Med** 1990 Sep–Oct;18(5):520–3 (18 ref.)

Arteriography of the hand and wrist. Vogelzang RL. **Hand Clin** 1991 Feb;7(1):63–86 (70 ref.)

Surgical management of ulnar artery aneurysms. Rothkopf DM, et al. **J Hand Surg [Am]** 1990 Nov;15(6):891–7 (30 ref.)

INNERVATION

[Application of the wrinkle test in peripheral nerve injuries] Goldberg I, et al. **Harefuah** 1991 Feb 15;120(4):220–1 (5 ref.) **(Heb)**

PHYSIOLOGY

Physiology and clinical applications of hand muscle reflexes. Deuschl G, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:84–101 (96 ref.)

Analysis of upper-extremity performance in athletes and musicians. An KN, et al. **Hand Clin** 1990 Aug;6(3):393–403 (19 ref.)

Physiological reactions during brush saw operation. Bovenzi M, et al. **Int Arch Occup Environ Health** 1990;62(6):445–9 (25 ref.)

PHYSIOPATHOLOGY

The eye and the hand: a clinical review. Roberts TV, et al. **Aust N Z J Ophthalmol** 1990 Aug;18(3):287–98 (55 ref.)

[The criteria for the evaluation of impairment hand function] Tang JB, et al. **Chung Hua Wai Ko Tsa Chih** 1991 Feb; 29(2):137–40 (18 ref.) **(Chi)**

RADIOGRAPHY

Radiologic evaluation of hand and wrist motion. Bond JR, et al. **Hand Clin** 1991 Feb;7(1):113–23 (23 ref.)

Radiographic imaging of foreign bodies in the hand. Donaldson JS. **Hand Clin** 1991 Feb;7(1):125–34 (28 ref.)

Evaluation of joint disease in the pediatric hand. Feinstein KA, et al. **Hand Clin** 1991 Feb;7(1):167–82 (20 ref.)

Practical approaches to obtaining hand radiographs and special techniques in hand radiology. Gruber L. **Hand Clin** 1991 Feb;7(1):1–20 (11 ref.)

Computed tomography of the hand and wrist. Magid D, et al. **Hand Clin** 1991 Feb;7(1):219–33 (21 ref.)

Radiologic study of endosteal, intracortical, and periosteal surfaces of hand bones in metabolic bone diseases. Meema HE. **Hand Clin** 1991 Feb;7(1):37–51 (50 ref.)

[Radiographic views in hand surgery] Bourjat P, et al. **Ann Radiol (Paris)** 1990;33(2):134–44 (31 ref.) (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

Nuclear medicine in evaluation of the hand and wrist. Maurer AH. **Hand Clin** 1991 Feb;7(1):183–200 (20 ref.)

SURGERY

Elbow, wrist, and hand surgery. Meuli HC. **Curr Opin Rheumatol** 1990 Feb;2(1):172–5 (21 ref.)

Synovectomy, arthroplasty, and arthrodesis in the reconstruction of the rheumatoid wrist and hand. Osterman AL, et al. **Curr Opin Rheumatol** 1991 Feb;3(1):102–8 (27 ref.)

Syndactyly. Eaton CJ, et al. **Hand Clin** 1990 Nov;6(4):555–75 (69 ref.)

Nerve damage, surgery and rehabilitation in leprosy. Srinivasan H. **Trop Med Parasitol** 1990 Sep;41(3):347–9 (17 ref.)

[Compartment syndrome of the hand. Diagnosis, therapy, results, late sequelae] Tempka A, et al. **Unfallchirurg** 1991 May;94(5):240–3 (9 ref.) (Eng. Abstr.) **(Ger)**

ULTRASONOGRAPHY

[Sonography of the wrist and the hand] Milbradt H, et al. **Radiologe** 1990 Aug;30(8):360–5 (11 ref.) (Eng. Abstr.) **(Ger)**

HAND DEFORMITIES

GENETICS

Coffin-Siris syndrome. Levy P, et al. **J Med Genet** 1991 May; 28(5):338-41 (19 ref.)

HAND DEFORMITIES, ACQUIRED

SURGERY

Surgery for the rheumatoid wrist and hand. Norris SH. **Ann Rheum Dis** 1990 Oct;49 Suppl 2:863-70 (33 ref.)

Factors influencing the results of implant surgery in the rheumatoid hand. Nalebuff EA. **J Hand Surg [Br]** 1990 Nov;15(4):395-403 (0 ref.)

[Dupuytren's contracture. When operate? Conservative preliminary treatment?] Falter E, et al. **Fortschr Med** 1991 Apr 5;109(10):223-6 (17 ref.) (Eng. Abstr.) **(Ger)**

HAND DEFORMITIES, CONGENITAL

Radial polydactyly. Ezaki M. **Hand Clin** 1990 Nov; 6(4):577-88 (53 ref.)

Nager's acrofacial dysostosis. Case report and review of the literature. Danziger I, et al. **Int J Pediatr Otorhinolaryngol** 1990 Dec;20(3):225-40 (28 ref.)

CLASSIFICATION

[Polydactyly of the hands. Recommendation for expanded classification] Schrader M. **Handchir Mikrochir Plast Chir** 1991 May;23(3):115-27 (52 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

EEC syndrome: report on 20 new patients, clinical and genetic considerations. Rodini ES, et al. **Am J Med Genet** 1990 Sep;37(1):42-53 (93 ref.)

SURGERY

The role of nonvascularized toe phalanx transplantation. Buck-Gramcko D. **Hand Clin** 1990 Nov;6(4):643-59 (35 ref.)

Management of thumb hypoplasia. Kleinman WB. **Hand Clin** 1990 Nov;6(4):617-41 (84 ref.)

Cleft hand. Ogino T. **Hand Clin** 1990 Nov;6(4):661-71 (20 ref.)

Digital augmentation for ectrodactyly: management and planning. Peimer CA, et al. **Hand Clin** 1990 Nov; 6(4):607-15 (35 ref.)

Toe transfer for congenital hand defects. Eaton CJ, et al. **Microsurgery** 1991;12(3):186-95 (134 ref.)

Progress in the treatment of congenital malformations of the hand. Buck-Gramcko D. **World J Surg** 1990 Nov-Dec; 14(6):715-24 (8 ref.)

HAND DERMATOSES

Angiolymphoid hyperplasia with eosinophilia of the hand. A case report. Haas AF, et al. **J Dermatol Surg Oncol** 1991 Sep;17(9):731-4 (30 ref.)

Bazex syndrome (acrokeratosis paraneoplastica). An analytic review. Bolognia JL, et al. **Medicine (Baltimore)** 1991 Jul; 70(4):269-80 (100 ref.)

CHEMICALLY INDUCED

Chemotherapy-induced acral erythema. Baack BR, et al. **J Am Acad Dermatol** 1991 Mar;24(3):457-61 (24 ref.)

DIAGNOSIS

Thermography of the hand and wrist: practical applications. Feldman F. **Hand Clin** 1991 Feb;7(1):99-112 (58 ref.)

[Mycetoma of the hand] Siano VI, et al. **Vestn Dermatol Venerol** 1990;(11):56-9 (23 ref.) (Eng. Abstr.) **(Rus)**

ETIOLOGY

An international survey on the prognosis of occupational contact dermatitis of the hands. Hogan DJ, et al. **Derm Beruf Umwelt** 1990 Sep-Oct;38(5):143-7 (7 ref.)

Allergy to coined money: nickel contact dermatitis in cashiers. Gollhausen R, et al. **J Am Acad Dermatol** 1991 Aug;25(2 Pt 2):365-9 (66 ref.)

Contact dermatoses from disposable glove use: a review. Maso MJ, et al. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 1):733-7 (58 ref.)

PATHOLOGY

Annular plaques on the dorsa of the hands. Neutrophilic eccrine hidradenitis. Scong VY, et al. **Arch Dermatol** 1991 Sep;127(9):1398-9, 1400-2 (6 ref.)

[Hyperkeratosis lenticularis perstans. A clinical case and review of the literature] Massone L, et al. **G Ital Dermatol Venereol** 1990 Jun;125(6):281-4 (21 ref.) (Eng. Abstr.) **(Ita)**

HAND, FOOT AND MOUTH DISEASE

SURGERY

[Edema in surgery of the hand] Legré R. **Ann Chir Main Memb Super** 1991;10(1):71-6 (46 ref.) **(Fre)**

HAND INJURIES

Evaluation and treatment of hand and wrist disorders in musicians. Amadio PC, et al. **Hand Clin** 1990 Aug; 6(3):405-16 (62 ref.)

Neurovascular injuries in the hands of athletes. Aulicino PL. **Hand Clin** 1990 Aug;6(3):455-66 (75 ref.)

The epidemiology and prevention of hand and wrist injuries in performing artists. Brandfonbrener AG. **Hand Clin** 1990 Aug;6(3):365-77 (40 ref.)

Sport-related fractures and dislocations in the hand. Hankin FM, et al. **Hand Clin** 1990 Aug;6(3):429-53 (82 ref.)

COMPLICATIONS

[Acquired immunodeficiency syndrome and surgery] Karavanov AG. **Klin Khir** 1991;(2):38-41 (63 ref.) **(Rus)**

EPIDEMIOLOGY

Epidemiology of hand and wrist injuries in sports. Amadio PC. **Hand Clin** 1990 Aug;6(3):379-81 (24 ref.)

PHYSIOPATHOLOGY

Pathophysiology of overuse injuries in the hand and wrist. Pitner MA. **Hand Clin** 1990 Aug;6(3):355-64 (62 ref.)

PREVENTION & CONTROL

Prevention: conditioning and orthotics. Press JM, et al. **Hand Clin** 1990 Aug;6(3):383-92 (29 ref.)

RADIOGRAPHY

Articular fractures of the hand. Part I: Guidelines for assessment. Wolfe SW, et al. **Orthop Rev** 1991 Jan; 20(1):27-32 (17 ref.)

REHABILITATION

Upper-extremity rehabilitation: conditioning and orthotics for the athlete and performing artist. Prokop LL. **Hand Clin** 1990 Aug;6(3):517-24 (39 ref.)

[The criteria for the evaluation of impairment hand function] Tang JB, et al. **Chung Hua Wai Ko Tsa Chih** 1991 Feb; 29(2):137-40 (18 ref.) **(Chi)**

SURGERY

Wrist and hand skeletal injuries in children. Beatty E, et al. **Hand Clin** 1990 Nov;6(4):723-38 (57 ref.)

Management of burns of the hands in children. Dado DV, et al. **Hand Clin** 1990 Nov;6(4):711-21 (22 ref.)

New techniques of osteosynthesis of the hand. Principles, clinical applications and biomechanics with special reference to external minifixation. Schuind F, et al. **Reconstr Surg Traumatol** 1990;21:1-156 (435 ref.)

[Compound vascularized island joint transfer in hand surgery. Apropos of a series of 16 cases] Foucher G, et al. **Rev Chir Orthop** 1991;77(1):34-41 (42 ref.) (Eng. Abstr.) **(Fre)**

[Reconstructive surgery of malunited joint fractures of the hand] Wilhelm K, et al. **Orthopade** 1990 Nov;19(6):350-9 (21 ref.) (Eng. Abstr.) **(Ger)**

[Compartment syndrome of the hand. Diagnosis, therapy, results, late sequelae] Tempka A, et al. **Unfallchirurg** 1991 May;94(5):240-3 (9 ref.) (Eng. Abstr.) **(Ger)**

[Management of open, potentially infected hand injuries with bone defect by delayed early bone substitution] Cziffer E, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1990; 33(4):297-302 (23 ref.) (Eng. Abstr.) **(Hun)**

[The role of an external mini-fixator in the management of infected injuries of the hand] Péley I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1990; 33(4):277-81 (22 ref.) (Eng. Abstr.) **(Hun)**

THERAPY

Treatment of musical hands: redesign of the interface. Markison RE. **Hand Clin** 1990 Aug;6(3):525-44 (7 ref.)

An improved web-space pressure technique to prevent burn syndactyly. Gorham K, et al. **J Burn Care Rehabil** 1991 Mar-Apr;12(2):157-9 (11 ref.)

Severe burns of the hand: a practical guide to their management. Sykes PJ. **J Hand Surg [Br]** 1991 Feb; 16(1):6-12 (108 ref.)

Articular fractures of the hand. Part II: Guidelines for management. Wolfe SW, et al. **Orthop Rev** 1991 Feb; 20(2):123-8 (12 ref.)

HANDEDNESS see **LATERALITY**

HANDICAPPED

see related
DENTAL CARE FOR HANDICAPPED
EDUCATION, SPECIAL
MAINSTREAMING (EDUCATION)

REHABILITATION
SELF-HELP DEVICES

Rett syndrome in Sweden. Neurodevelopment--disability--pathophysiology. Engerström IW. **Acta Paediatr Scand Suppl** 1990;369:1-60 (138 ref.)

Ramps and rails [see comments] Travers AF. **BMJ** 1991 Apr 20;302(6782):951-4 (6 ref.) Comment in: BMJ 1991 May 25;302(6787):1277.

Physical activity from rehabilitation to independent community function: the role of physical activity in handicapping conditions. Stein JU. **Clin Sports Med** 1991 Jan;10(1):211-21 (28 ref.)

High technology and psychiatric care of the elderly. Lieff JD. **Int Psychogeriatr** 1989 Spring;1(1):87-101 (50 ref.)

Community dialogues on ethical issues of health care for the disabled. Slater RJ. **J Am Paraplegia Soc** 1990 Jul; 13(3):48-52 (14 ref.)

Creating therapeutic camp and recreation programs for children with chronic illness and disabilities. Page CJ, et al. **Pediatrician** 1990;17(4):297-307 (3 ref.)

Pubertal growth and sexual maturation for adolescents with chronic illness or disability. Rosen DS. **Pediatrician** 1991; 18(2):105-20 (170 ref.)

Disability [published erratum appears in Rheum Dis Clin North Am 1990 Nov;16(4):following xii] Verbrugge LM. **Rheum Dis Clin North Am** 1990 Aug;16(3):741-61 (146 ref.)

Benefits of sport and physical activity for the disabled: implications for the individual and for society. Shephard RJ. **Scand J Rehabil Med** 1991;23(2):51-9 (80 ref.)

Disablement and the ideological crisis in health care. Williams GH. **Soc Sci Med** 1991;32(4):517-24 (56 ref.)

[Promoting the development of handicapped children--possibilities and limits and responsibilities of the pediatrician] Schlack HG. **Monatsschr Kinderheilkd** 1991 Jan;139(1):55-7 (31 ref.) (Eng. Abstr.) **(Ger)**

[The handicapped newborn infant: an experienced multidisciplinary team approach for family support] Katzenstein M, et al. **Harefuah** 1990 Nov 15;119(10):326-9 (25 ref.) **(Heb)**

CLASSIFICATION

Disease, illness, sickness; impairment, disability and handicap [editorial] Susser M. **Psychol Med** 1990 Aug;20(3):471-3 (26 ref.)

EDUCATION

The school-to-community transition of hearing-impaired persons with developmental disabilities. A review of the empirical literature. Davis C, et al. **Am Ann Deaf** 1990 Dec; 135(5):352-63 (106 ref.)

Narrowing the gap between policy and practice. Keogh BK. **Except Child** 1990 Oct-Nov;57(2):186-90 (6 ref.)

LEGISLATION & JURISPRUDENCE

Medical treatment for older persons and persons with disabilities: 1990 developments. National Legal Center Staff. **Issues Law Med** 1991 Spring;6(4):341-60 (137 ref.)

AIDS babies, crack babies: challenges to the law. Bopp J Jr, et al. **Issues Law Med** 1991 Summer;7(1):3-51 (382 ref.)

Rehabilitation of the pediatric patient with a neuromuscular disease. Russman BS. **Neurol Clin** 1990 Aug;8(3):727-40 (52 ref.)

The pediatrician and early intervention for the developmentally disabled or handicapped child. Katcher AL, et al. **Pediatr Rev** 1991 Apr;12(10):305-12 (0 ref.)

PSYCHOLOGY

An assessment of the cognitive abilities of multiply handicapped children: adaptations of the Uzgiris and Hunt scales and their use with children in Britain and Singapore. Sharpe P. **Child Care Health Dev** 1990 Nov-Dec; 16(6):335-53 (19 ref.)

Disabilities, developmental handicaps, and substance misuse: a review. Moore D, et al. **Int J Addict** 1991 Jan;26(1):65-90 (90 ref.)

Teaching persons with profound multiple handicaps: a review of the effects of behavioral research. Reid DH, et al. **J Appl Behav Anal** 1991 Summer;24(2):319-36 (75 ref.)

Psychosocial aspects of disability in children. Carlson CE, et al. **Pediatrician** 1990;17(4):213-21 (32 ref.)

A family systems perspective for working with youth with disability. Patterson JM. **Pediatrician** 1991;18(2):129-41 (58 ref.)

Transition of the disabled adolescent to adulthood. Thompson CE. **Pediatrician** 1990;17(4):308-13 (10 ref.)

Use of microcomputers by young children with severe disabilities: a brief review of studies and their implications. Parette HP Jr, et al. **Percept Mot Skills** 1990 Dec;71(3 Pt 1):915-8 (14 ref.)

[Psychological development in chronic disease and disability] Steinhausen HC. **Monatsschr Kinderheilkd** 1990 Oct; 138(10):646-50 (8 ref.) (Eng. Abstr.) **(Ger)**

STATISTICS & NUMERICAL DATA

What is the cost of a handicapped child in Sweden? Svenningsen NW. **Int J Technol Assess Health Care** 1991; 7 Suppl 1:151-4 (9 ref.)

Trends in the prevalence of work disability from 1962 to 1984, and their correlates. Wolfe BL, et al. **Milbank Q** 1990;

68(1):53–80 (40 ref.)

HANDWASHING

METHODS

[Skin and hand disinfection] Mathis U. **Ther Umsch** 1991 Apr; 48(4):210–4 (10 ref.) (Eng. Abstr.) **(Ger)**

HANDWRITING

see related
AGRAPHIA

HANGANUTZIU-DEICHER ANTIBODIES see **ANTIBODIES, HETEROPHILE**

HANGANUTZIU-DEICHER ANTIGENS see **ANTIGENS, HETEROPHILE**

HANSEN'S DISEASE see **LEPROSY**

HANTAAN VIRUS see **HEMORRHAGIC FEVER VIRUS, EPIDEMIC**

HAPALE see **CALLITHRIX**

HAPLOIDY

Haplodiploidy in the Oxyurida: decoupling the evolutionary processes of adaptation and speciation. Adamson ML. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:31–5 (22 ref.)
Genomic imprinting and allelic exclusion. Holliday R. **Dev Suppl** 1990;:125–9 (31 ref.)

HAPLOTYPES

Beta s-gene-cluster haplotypes in sickle cell anemia. Clinical and hematologic features. Powars DR. **Hematol Oncol Clin North Am** 1991 Jun;5(3):475–93 (160 ref.)
Sickle cell anemia: beta s-gene-cluster haplotypes as prognostic indicators of vital organ failure. Powars DR. **Semin Hematol** 1991 Jul;28(3):202–8 (69 ref.)

GENETICS

Multigenic human hypertension: evidence for subtypes and hope for haplotypes. Williams RR, et al. **J Hypertens Suppl** 1990 Dec;8(7):S39–46 (36 ref.)

IMMUNOLOGY

The major histocompatibility complex: the value of extended haplotypes in the analysis of associated immune diseases and disorders. Kruskall MS. **Yale J Biol Med** 1990 Sep–Oct; 63(5):477–86 (39 ref.)

HAPTENS

CHEMISTRY

The rational design and synthesis of haptens having specific activity as full agonists or full antagonists at the benzodiazepine receptor. Fryer RI, et al. **Life Sci** 1990; 47(10):833–40 (22 ref.)

HARDERIAN GLAND

PATHOLOGY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the Harderian gland. Elwell MR, et al. **IARC Sci Publ** 1990;(99):79–87 (19 ref.)

HARDWARE, COMPUTER see **COMPUTERS**

HARELIP see **CLEFT LIP**

HARRINGTONINES

THERAPEUTIC USE

New natural products in cancer chemotherapy. Slichenmyer WJ, et al. **J Clin Pharmacol** 1990 Sep;30(9):770–88 (173 ref.)

HASHIMOTO'S DISEASE see **THYROIDITIS, AUTOIMMUNE**

HASHISH see **CANNABIS**

HASHISH ABUSE see **MARIJUANA ABUSE**

HAY FEVER

The inflammatory basis of rhinitis. Pipkorn U. **Rhinol Suppl** 1991;11:5–11 (23 ref.)
Immunology and treatment of seasonal rhinitis. Varney VA, et al. **Rhinol Suppl** 1991;11:27–32 (21 ref.)
[Allergic rhinopathy: diagnosis and current therapy] Tripodi D, et al. **Clin Ter** 1990 Jul 31;134(2):85–94 (11 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

[Diagnosis of allergic rhinitis. I. Anamnesis--ENT medical examination--skin tests--intranasal provocation] Albegger K. **HNO** 1991 Mar;39(3):77–81 (0 ref.) (Eng. Abstr.) **(Ger)**
[Diagnosis of allergic rhinitis. II. Laboratory studies--milieu analysis--literature] Albegger K. **HNO** 1991 May; 39(5):163–7 (44 ref.) **(Ger)**

DRUG THERAPY

Acrivastine. A review of its pharmacological properties and therapeutic efficacy in allergic rhinitis, urticaria and related disorders. Brogden RN, et al. **Drugs** 1991 Jun;41(6):927–40 (64 ref.)
Cetirizine. A review of its pharmacological properties and clinical potential in allergic rhinitis, pollen-induced asthma, and chronic urticaria. Campoli-Richards DM, et al. **Drugs** 1990 Nov;40(5):762–81 (93 ref.)
H1-receptor antagonist treatment of seasonal allergic rhinitis. Kaiser HB. **J Allergy Clin Immunol** 1990 Dec;86(6 Pt 2):1000–3 (10 ref.)
The effects of antihistamines beyond H1 antagonism in allergic inflammation. Massey WA, et al. **J Allergy Clin Immunol** 1990 Dec;86(6 Pt 2):1019–24 (31 ref.)
Pathophysiology and treatment of seasonal allergic rhinitis. Bousquet J, et al. **Respir Med** 1990 Nov;84 Suppl A:11–7 (48 ref.)
[The symptomatic therapy of allergic rhinitis] Albegger K. **Laryngorhinootologie** 1990 Dec;69(12):613–20 (43 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

Different prevalence and degree of nonspecific bronchial hyperreactivity between seasonal and perennial rhinitis. Verdiani P, et al. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 1):576–82 (33 ref.)

ETIOLOGY

Mast cells and allergic rhinitis. Davies RJ. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:248–52 (13 ref.)
Mediators and allergic rhinitis. Howarth PH, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:262–6 (10 ref.)

IMMUNOLOGY

Molecular genetics of human immune responsiveness to pollen allergens. Marsh DG, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:168–72 (24 ref.)
[Current pathophysiologic aspects of allergic rhinitis. I] Albegger K. **HNO** 1990 Sep;38(9):305–8 (0 ref.) (Eng. Abstr.) **(Ger)**
[Immediate and late phases of allergic rhinitis] Bachert C. **Immun Infekt** 1990 Oct;18(5):164–8 (28 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

H1-antagonists as a tool in clarifying the pathophysiology of nasal allergy. Pipkorn U. **Clin Exp Allergy** 1990 Aug; 20 Suppl 2:25–9 (20 ref.)
The role of histamine in allergic rhinitis. Naclerio RM. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 2):628–32 (15 ref.)
[Current pathophysiologic aspects of allergic rhinitis, II] Albegger K. **HNO** 1990 Nov;38(11):389–95 (0 ref.) **(Ger)**
[Current pathophysiologic aspects of allergic rhinitis. III] Albegger K. **HNO** 1990 Dec;38(12):431–9 (196 ref.) **(Ger)**
[Analysis of maximal expiratory flow-volume curves--visual evaluation and quantitative evaluation] Meguro T, et al. **Nippon Eiseigaku Zasshi** 1991 Jun;46(2):625–34 (40 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Recent advances in specific immunotherapy for allergic rhinitis. Bousquet J, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:259–61 (14 ref.)
Allergic rhinitis. Naclerio RM. **N Engl J Med** 1991 Sep 19; 325(12):860–9 (97 ref.)
[Alternative treatment possibilities of atopic diseases] Haidvogl M. **Padiatr Padol** 1990;25(6):389–96 (9 ref.) (Eng. Abstr.) **(Ger)**

HAZARDOUS CHEMICALS see **HAZARDOUS SUBSTANCES**

HAZARDOUS MATERIALS see **HAZARDOUS SUBSTANCES**

HAZARDOUS SUBSTANCES

see related
HAZARDOUS WASTE

Regulation of in-place asbestos-containing material. Cohen N. **Environ Res** 1991 Jun;55(1):97–106 (20 ref.)
Towards quantitative risk assessment for neurotoxicity. Wyzga RE. **Neurotoxicology** 1990 Summer;11(2):199–207 (18 ref.)
Chemical hazards in the biotechnology industry. Ducatman AM, et al. **Occup Med** 1991 Apr-Jun;6(2):193–208 (50 ref.)
Containment considerations for the biotechnology industry. Liberman DF, et al. **Occup Med** 1991 Apr-Jun;6(2):271–83 (17 ref.)
Research on risk assessment and risk management: future directions. Grant LD, et al. **Toxicol Ind Health** 1990 Oct; 6(5):217–33 (11 ref.)
The U.S. Environmental Protection Agency's risk assessment guidelines. Jarabek AM, et al. **Toxicol Ind Health** 1990 Oct; 6(5):199–216 (14 ref.)
Technological disasters--towards a preventive strategy: a review. Andersson N. **Trop Doct** 1991;21 Suppl 1:70–81 (93 ref.)

ADVERSE EFFECTS

Occupational and industrial toxin exposures and the gastrointestinal tract. Gastrointestinal Toxicology Subcommittee of the American College of Gastroenterology Patient Care Committee. DiPalma JA, et al. **Am J Gastroenterol** 1991 Sep;86(9):1107–17 (112 ref.)
Reproductive hazards of fire fighting. II. Chemical hazards. McDiarmid MA, et al. **Am J Ind Med** 1991;19(4):447–72 (164 ref.)
Cancer hazards in the recombinant laboratory. Stark AA. **Occup Med** 1991 Apr-Jun;6(2):311–21 (33 ref.)
Interdisciplinary approach to assessing the health risk of air toxic chemicals: an overview. Grose EC, et al. **Toxicol Ind Health** 1990 Oct;6(5):157–69 (36 ref.)

ANALYSIS

Air toxics in the U.S.: magnitude of the problem and strategy for control. Berry DK. **Toxicol Ind Health** 1990 Oct; 6(5):1–12 (10 ref.)
Airborne Toxic Elements and Organic Substances (ATEOS) project: overview. Lioy PJ. **Toxicol Ind Health** 1990 Oct; 6(5):53–65 (20 ref.)

METABOLISM

Redox cycling of radical anion metabolites of toxic chemicals and drugs and the Marcus theory of electron transfer. Mason RP. **Environ Health Perspect** 1990 Jul;87:237–43 (30 ref.)

TOXICITY

Organic acids and bases: review of toxicological studies. Leung HW, et al. **Am J Ind Med** 1990;18(6):717–35 (98 ref.)
Disruption of cellular elements and water in neurotoxicity: studies using electron probe X-ray microanalysis. LoPachin RM Jr, et al. **Toxicol Appl Pharmacol** 1990 Dec; 106(3):355–74 (145 ref.)

HAZARDOUS WASTE

Air emissions from the incineration of hazardous waste. Oppelt ET. **Toxicol Ind Health** 1990 Oct;6(5):23–51 (85 ref.)
[Public health aspects of the assessment of industrial wastes at the present time] Perelygin VM, et al. **Vestn Akad Med Nauk SSSR** 1991;(1):43–7 (9 ref.) (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Infection control and hazards management. Economics of regulatory compliance. Runnells RR. **Dent Clin North Am** 1991 Apr;35(2):427–38 (13 ref.)
Hazardous waste management. Schaefer ME. **Dent Clin North Am** 1991 Apr;35(2):383–90 (8 ref.)

HAZARDOUS WASTE, RADIOACTIVE see **RADIOACTIVE WASTE**

HB A1C see **HEMOGLOBIN A, GLYCOSYLATED**

HBA1 see **HEMOGLOBIN A, GLYCOSYLATED**

HBAG see **HEPATITIS B ANTIGENS**

HBCAG see **HEPATITIS B CORE ANTIGENS**

HBGF-2 see **FIBROBLAST GROWTH FACTOR, BASIC**

HBLV see **HERPESVIRUS-6, HUMAN**

HBSAG see **HEPATITIS B SURFACE ANTIGENS**

HCG see **GONADOTROPINS, CHORIONIC**

HCG RECEPTORS see **RECEPTORS, LH**

HDL CHOLESTEROL see **LIPOPROTEINS, HDL CHOLESTEROL**

HEAD

Serious soft tissue infections of the head and neck. Herr RD, et al. **Am Fam Physician** 1991 Sep;44(3):878–88 (25 ref.)

ABNORMALITIES

Congenital lesions of the head and neck. Proctor B, et al. **Otolaryngol Clin North Am** 1970 Jun;3(2):221–48 (25 ref.)

ANATOMY & HISTOLOGY

Fetal head molding. Diagnosis by ultrasound and a review of the literature. Carlan SJ, et al. **J Perinatol** 1991 Jun; 11(2):105–11 (15 ref.)

Bases for the analysis of cephalometric radiographs: intracranial reference structures or natural head position. Houston WJ. **Proc Finn Dent Soc** 1991;87(1):43–9 (29 ref.)

EMBRYOLOGY

Dr. Beverly R. Rollnick memorial lecture. Normal and abnormal craniofacial embryogenesis. Sulik KK. **Birth Defects** 1990;26(3):1–18 (33 ref.)

Embryologic fusion planes and the spread of cutaneous carcinoma: a review and reassessment. Wentzell JM, et al. **J Dermatol Surg Oncol** 1990 Nov;16(11):1000–6 (47 ref.)

INNERVATION

Brainstem–spinal cord projections in the cat, related to control of head and axial movements. Holstege G. **Rev Oculomot Res** 1988;2:431–70 (134 ref.)

PHYSIOLOGY

Adaptive mechanisms in eye–head coordination. Berthoz A. **Rev Oculomot Res** 1985;1:177–201 (0 ref.)

RADIATION EFFECTS

Head and neck irradiation in childhood: increased risk of developing thyroid disease. Sako K. **Semin Surg Oncol** 1991 Mar–Apr;7(2):112–4 (11 ref.)

RADIOGRAPHY

New trends in computed tomography of the head and neck. Horvath M, et al. **Curr Opin Radiol** 1991 Feb;3(1):109–13 (14 ref.)

Radiological studies of the lymphatic system of the head and neck. Liebner EJ. **Otolaryngol Clin North Am** 1973 Jun; 6(2):563–77 (18 ref.)

HEAD AND NECK NEOPLASMS

Lymphoproliferative disorders of the head and neck. Green JD Jr, et al. **Am J Otolaryngol** 1991 Jan–Feb;12(1):26–32 (15 ref.)

Submandibular rhabdomyoma: a case report. Garcia–Ruiz JA, et al. **Br J Oral Maxillofac Surg** 1991 Apr;29(2):123–6 (32 ref.)

Head and neck melanoma. Smith JF. **Ear Nose Throat J** 1991 Mar;70(3):143–52 (99 ref.)

Papillary carcinoma in thyroglossal duct remnants. Pacheco–Ojeda L, et al. **Eur Arch Otorhinolaryngol** 1991; 248(5):268–70 (15 ref.)

Analysis of prognostic factors in squamous cell carcinomas of the head and neck. Dreyfuss AI, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):701–12 (45 ref.)

Fourth branchial pouch sinus: diagnosis and treatment. Rosenfeld RM, et al. **Otolaryngol Head Neck Surg** 1991 Jul;105(1):44–50 (22 ref.)

[Cervicofacial cystic lymphangioma. Update apropos of 7 cases] Touhami M, et al. **J Chir (Paris)** 1991 Mar; 128(3):145–52 (25 ref.) (Eng. Abstr.) **(Fre)**

[Radiation–induced sarcoma, apropos of a case with cervical and intrapetrous development] Darrouzet V, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(3):247–50 (14 ref.) (Eng. Abstr.) **(Fre)**

CHEMISTRY

[Histochemical identification of endogenous lectins using labelled neoglycoproteins in human head–and–neck squamous cell carcinoma] Steuer MK, et al. **Laryngorhinootologie** 1991 May;70(5):243–9 (33 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Does nutrition management benefit the head and neck cancer patient? [see comments] Reilly JJ. **Oncology (Williston Park)** 1990 Jun;4(6):105–15; discussion 115–6 (40 ref.) Comment in: Oncology (Williston Park) 1990 Nov;4(11):42.

CONGENITAL

Congenital head and neck masses in infants and children. Part II. Guarisco JL. **Ear Nose Throat J** 1991 Feb; 70(2):75–82 (35 ref.)

DIAGNOSIS

Cytology of head and neck tumors, liver, and pancreas. Suen KC. **Clin Lab Med** 1991 Jun;11(2):317–56 (104 ref.)

Imaging of neck masses in infants and children. Faerber EN, et al. **Crit Rev Diagn Imaging** 1991;31(3–4):283–314 (103 ref.)

Diagnostic radiology of head and neck oncology. Castelijns JA. **Curr Opin Oncol** 1991 Jun;3(3):512–8 (51 ref.)

Congenital head and neck masses in infants and children. Part I [published erratum appears in Ear Nose Throat J 1991 Jun;70(6):354] Guarisco JL. **Ear Nose Throat J** 1991 Jan;70(1):40–7 (35 ref.)

Roles of computed tomography and magnetic resonance imaging diagnoses in the treatment of head and neck cancer. Foust RJ, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):657–65 (28 ref.)

Tumor markers of head and neck carcinoma. Eibling DE, et al. **Immunol Ser** 1990;53:357–83 (202 ref.)

Diagnosis and management of masses in the neck, with special emphasis on metastatic malignant disease. McGuirt WF. **Oncology (Williston Park)** 1990 Aug;4(8):85–92, 97; discussion 97–8 (24 ref.)

The diagnosis of head and neck masses in children. Putney FJ. **Otolaryngol Clin North Am** 1970 Jun;3(2):277–94 (4 ref.)

Magnetic resonance imaging of metastatic cervical adenopathy. Jabour BA, et al. **Top Magn Reson Imaging** 1990 Sep;2(4):69–75 (28 ref.)

Interventional magnetic resonance imaging in the head and neck. Lufkin RB, et al. **Top Magn Reson Imaging** 1990 Sep; 2(4):76–80 (22 ref.)

[Possibilities for using monoclonal antibodies in diagnosis and therapy of head and neck cancers. I. Introduction and current state] Wustrow TP. **HNO** 1991 Mar;39(3):82–90 (99 ref.) (Eng. Abstr.) **(Ger)**

[Ganglioneuroma of the neck] Vadalà G, et al. **Minerva Chir** 1990 Oct 15;45(19):1257–60 (6 ref.) (Eng. Abstr.) **(Ita)**

DRUG THERAPY

The role of adjuvant chemotherapy in the treatment of advanced head and neck cancer. Hill BT, et al. **Acta Oncol** 1990;29(6):695–703 (49 ref.)

Do otolaryngologist–head and neck surgeons and/or chemotherapy have a role in the treatment of head and neck cancer? Schuller DE. **Arch Otolaryngol Head Neck Surg** 1991 May; 117(5):498–501 (20 ref.)

Photodynamic therapy in the management of head and neck cancer. Gluckman JL, et al. **Cancer Treat Res** 1990; 52:95–113 (81 ref.)

Combined chemotherapy and radiation for unresectable head and neck cancer. Taylor SG 4th. **Cancer Treat Res** 1990; 52:195–208 (42 ref.)

Chemotherapy of patients with recurrent head and neck cancer. Wheeler RH. **Cancer Treat Res** 1990;52:171–93 (151 ref.)

Chemotherapy and new treatments in squamous cell carcinoma of the head and neck. Vermorken JB. **Curr Opin Oncol** 1990 Jun;2(3):578–84 (27 ref.)

Chemotherapy and integrated treatment approaches in head and neck cancer. Vokes EE. **Curr Opin Oncol** 1991 Jun; 3(3):529–34 (49 ref.)

Head and neck cancer: prognostic factors for response to chemotherapy. Clavel M, et al. **Eur J Cancer** 1991; 27(3):349–56 (69 ref.)

Induction intra–arterial cisplatin and bleomycin in head and neck cancer. Frustaci S, et al. **Head Neck** 1991 Jul–Aug; 13(4):291–7 (49 ref.)

Randomized trials of induction chemotherapy. A critical review. Forastiere AA. **Hematol Oncol Clin North Am** 1991 Aug;5(4):725–36 (38 ref.)

Biologic rationale of combined radiotherapy and chemotherapy. Fu KK, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):737–51 (81 ref.)

Chemotherapy for recurrent and metastatic head and neck cancer. Pinto HA, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):667–86 (150 ref.)

The Wayne State University experience with adjuvant chemotherapy of head and neck cancer. al–Sarraf M, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):687–700 (45 ref.)

Controversies in the multimodality management of head and neck cancer. Thomas CR Jr, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):769–81 (60 ref.)

Radiotherapy with concomitant chemotherapy for head and neck cancer. Vokes EE, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):753–67 (49 ref.)

Chemotherapy for squamous cell carcinomas of the head and neck. A reappraisal. Bier J. **Int J Oral Maxillofac Surg** 1990 Aug;19(4):232–4 (22 ref.)

Current chemotherapy of head and neck cancer. Amrein P. **J Oral Maxillofac Surg** 1991 Aug;49(8):864–70 (59 ref.)

The role of gene amplification in clinical resistance to chemotherapy: a review. Ferguson PJ. **J Otolaryngol** 1991 Apr;20(2):130–6 (69 ref.)

The role of cisplatin in treatment regimens for squamous cell carcinoma of the head and neck. Clark JR, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):34–48 (120 ref.)

Lonidamine in head and neck cancer: an overview. Scarantino CW, et al. **Semin Oncol** 1991 Apr;18(2 Suppl 4):28–32 (20 ref.)

ETIOLOGY

Etiologic considerations for head and neck squamous cancers. Jacobs CD. **Cancer Treat Res** 1990;52:265–82 (80 ref.)

Recent advances in the etiology and epidemiology of head and neck cancer. Boyle P, et al. **Curr Opin Oncol** 1990 Jun;2(3):539–45 (16 ref.)

Experimental head and neck oncology. Schantz SP. **Curr Opin Oncol** 1991 Jun;3(3):500–6 (36 ref.)

Experimental head and neck oncology. Schantz SP. **Curr Opin Oncol** 1990 Jun;2(3):546–51 (11 ref.)

[Castleman's disease. Report of 2 cases with otorhinolaryngologic involvement] Rotenberg M, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(7):490–3 (13 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Methodology and clinical applications of cellular DNA content parameters determined by flow cytometry in squamous cell cancers of the head and neck. Ensley JF, et al. **Cancer Treat Res** 1990;52:225–42 (94 ref.)

Familial occurrence of carotid body tumors. Shedd DP, et al. **Head Neck** 1990 Nov–Dec;12(6):496–9 (33 ref.)

The role of gene amplification in clinical resistance to chemotherapy: a review. Ferguson PJ. **J Otolaryngol** 1991 Apr;20(2):130–6 (69 ref.)

IMMUNOLOGY

Head and neck tumor immunology. II. Humoral immunity. Schantz SP, et al. **Cancer Treat Res** 1990;52:243–63 (111 ref.)

Immunobiologic aspects of head and neck cancer. Clinical and laboratory correlates. Vlock DR. **Hematol Oncol Clin North Am** 1991 Aug;5(4):797–820 (166 ref.)

PATHOLOGY

Magnetic resonance imaging vs palpation of cervical lymph node metastasis. van den Brekel MW, et al. **Arch Otolaryngol Head Neck Surg** 1991 Jun;117(6):663–73 (34 ref.)

Diagnostic imaging in the diagnosis of malignant invasion of the carotid artery: ultrasound, computed tomography, magnetic resonance imaging. Gooding GA. **Cancer Treat Res** 1990;52:31–46 (28 ref.)

Pathology of squamous carcinomas of the head and neck. Carter RL. **Curr Opin Oncol** 1991 Jun;3(3):507–11 (17 ref.)

Pathology of squamous cell carcinomas of the head and neck. Carter RL. **Curr Opin Oncol** 1990 Jun;2(3):552–6 (13 ref.)

Tumors of the neck showing thymic or related branchial pouch differentiation: a unifying concept. Chan JK, et al. **Hum Pathol** 1991 Apr;22(4):349–67 (84 ref.)

Giant pilomatrix carcinoma: report and review of the literature. Bridger L, et al. **J Am Acad Dermatol** 1990 Nov; 23(5 Pt 2):985–8 (22 ref.)

Embryologic fusion planes and the spread of cutaneous carcinoma: a review and reassessment. Wentzell JM, et al. **J Dermatol Surg Oncol** 1990 Nov;16(11):1000–6 (47 ref.)

Aberrant cervical thymus in children: three case reports and review of the literature. Spigland N, et al. **J Pediatr Surg** 1990 Nov;25(11):1196–9 (15 ref.)

Pleomorphic adenoma of cervical heterotopic salivary gland tissue: case report and review of neoplasms arising in cervical heterotopic salivary gland tissue. Rodgers GK, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):533–6 (13 ref.)

Chondrosarcoma of the head in children. Chou P, et al. **Pediatr Pathol** 1990;10(6):945–58 (24 ref.)

The impact of radiologic imaging on staging of cancer of the head and neck. Dillon WP, et al. **Semin Oncol** 1991 Apr;18(2):64–79 (45 ref.)

[Carcinoma inside of an amygdaloid cyst. Apropos of a case] Lefebvre P, et al. **Ann Otolaryngol Chir Cervicofac** 1991; 108(3):185–9 (19 ref.) (Eng. Abstr.) **(Fre)**

[Cystic cervicofacial lymphangioma] Ennouri A, et al. **Rev Stomatol Chir Maxillofac** 1990;91(5):385–9 (15 ref.) (Eng. Abstr.) **(Fre)**

[Flow cytometry. Its prognostic value in cancer of the head and neck] Barona R, et al. **Acta Otorrinolaringol Esp** 1990 May–Jun;41(3):149–53 (29 ref.) (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Chemoprevention in head and neck cancer. Heyne KE, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):783–95 (66 ref.)

RADIOGRAPHY

[Strategy in radiologic diagnosis: CT of the neck] Lenz M. **Rontgenpraxis** 1990 Aug;43(8):271–80 (40 ref.) **(Ger)**

RADIONUCLIDE IMAGING

Radionuclide imaging in otolaryngology–head and neck surgery. Noyek AM, et al. **Arch Otolaryngol Head Neck Surg** 1991 Apr;117(4):372–8 (20 ref.)

Scintigraphic demonstration of a soft tissue cavernous hemangioma with Valsalva maneuver. Veluvolu P, et al. **Clin Nucl Med** 1990 Dec;15(12):865–9 (10 ref.)

99Tcm(V) DMSA: what is its current role in the management of patients with head and neck cancer? [editorial] [published erratum appears in Nucl Med Commun 1991 May;12(5):469] Watkinson J, et al. **Nucl Med Commun** 1991 Feb;12(2):79–82 (17 ref.)

[PET scan in tumor diagnosis in the head and neck] Reisser C, et al. **Laryngorhinootologie** 1991 Apr;70(4):214–7 (16 ref.) (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

Combined chemotherapy and radiation for unresectable head and neck cancer. Taylor SG 4th. **Cancer Treat Res** 1990; 52:195–208 (42 ref.)

Progress in radiotherapy by treatment tailoring in head and neck cancer. Bartelink H, et al. **Curr Opin Oncol** 1991 Jun; 3(3):523–8 (30 ref.)

Electron beam: the management of head and neck cancer. Million RR, et al. **Front Radiat Ther Oncol** 1991;25:107–27; discussion 132–3 (8 ref.)

Recent advances in radiation therapy for head and neck cancer. Awan AM, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):635–55 (46 ref.)

Biologic rationale of combined radiotherapy and chemotherapy. Fu KK, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):737–51 (81 ref.)

Controversies in the multimodality management of head and neck cancer. Thomas CR Jr, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):769–81 (60 ref.)

Radiotherapy with concomitant chemotherapy for head and neck cancer. Vokes EE, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):753–67 (49 ref.)

Brachytherapy in head and neck cancer: selection criteria and results at the University of Florida. Mendenhall WM, et al. **Oncology (Williston Park)** 1991 Feb;5(2):44–54; discussion 59–60 (25 ref.)

Brachytherapy in head and neck cancer: selection criteria and results at the University of Florida. Part 1. Mendenhall WM, et al. **Oncology (Williston Park)** 1991 Jan;5(1):87–93 (0 ref.)

The ESTRO Regaud lecture. Head and neck cancer and the radiation oncologist. Bataini JP. **Radiother Oncol** 1991 May; 21(1):1–10 (47 ref.)

Hyperbaric oxygen in the radiation treatment of head and neck cancers. Sealy R. **Radiother Oncol** 1991;20 Suppl 1:75–9 (21 ref.)

Three-dimensional motion analysis of an improved head immobilization system for simulation, CT, MRI, and PET imaging. Thornton AF Jr, et al. **Radiother Oncol** 1991 Apr; 20(4):224–8 (16 ref.)

Lonidamine in head and neck cancer: an overview. Scarantino CW, et al. **Semin Oncol** 1991 Apr;18(2 Suppl 4):28–32 (20 ref.)

Advances in radiation therapy for head and neck cancer. Toonkel LM. **Semin Surg Oncol** 1991 Jan–Feb;7(1):38–46 (79 ref.)

[Principles of therapy with fission neutrons and boron neutron capture therapy for radioresistant head-neck malignancies] Clasen B. **Laryngorhinootologie** 1990 Aug; 69(8):433–6 (19 ref.) (Eng. Abstr.) **(Ger)**

[Cervico-mediastinal complications in cervical surgery and radiotherapy (tracheal excepted)] Redaelli de Zinis LO, et al. **Acta Otorhinolaryngol Ital** 1990;10 Suppl 30:139–55 (126 ref.) **(Ita)**

[Fractionation and radiation injury—clinical aspect] Kikuchi Y, et al. **Gan No Rinsho** 1990 Oct;36(13):2337–47 (45 ref.) (Eng. Abstr.) **(Jpn)**

REHABILITATION

Rehabilitation of head and neck cancer patients: Consensus on recommendations from the international conference on rehabilitation of the head and cancer patient. **Head Neck** 1991 Jan–Feb;13(1):1–14 (2 ref.)

SECONDARY

Implantation of parotid pleomorphic adenoma in the upper neck. Ferlito A, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(3):165–76 (157 ref.)

Cervical metastases from an occult primary site. Harwick RD. **Semin Surg Oncol** 1991 Jan–Feb;7(1):2–8 (13 ref.)

Elective treatment of the neck in cancer of the oral tongue. Silver CE, et al. **Semin Surg Oncol** 1991 Jan–Feb;7(1):14–9 (47 ref.)

SURGERY

Surgical treatment in head and neck cancer. McCaffrey TV. **Curr Opin Oncol** 1991 Jun;3(3):519–22 (14 ref.)

Surgical treatment in head and neck cancer. Strong EW. **Curr Opin Oncol** 1990 Jun;2(3):562–72 (57 ref.)

Increased intracranial pressure as a complication of unilateral radical neck dissection in a patient with congenital absence of the transverse sinus. Lydiatt DD, et al. **Head Neck** 1991 Jul–Aug;13(4):359–62 (11 ref.)

New concepts in head and neck surgery. Scher N, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):627–34 (39 ref.)

Mohs micrographic surgery. Hruza GJ. **Otolaryngol Clin North Am** 1990 Oct;23(5):845–64 (79 ref.)

Reconstructive and rehabilitative aspects of head and neck cancer in the elderly. Sanders AD, et al. **Otolaryngol Clin North Am** 1990 Dec;23(6):1159–68 (35 ref.)

Cervical, cervicomediastinal and intrathoracic lymphangioma. Glasson MJ, et al. **Prog Pediatr Surg** 1991; 27:62–83 (51 ref.)

Current advances in reconstruction of the mandible in head and neck cancer surgery. Marx RE. **Semin Surg Oncol** 1991 Jan–Feb;7(1):47–57 (23 ref.)

[Prevention of infectious complications of major upper respiratory and digestive tract surgery by the combination of pefloxacin-amoxicillin-clavulanic acid] Russier M, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(6):406–10 (8 ref.) (Eng. Abstr.) **(Fre)**

[Cervico-mediastinal complications in cervical surgery and radiotherapy (tracheal excepted)] Redaelli de Zinis LO, et al. **Acta Otorhinolaryngol Ital** 1990;10 Suppl 30:139–55 (126 ref.) **(Ita)**

THERAPY

The internist in the management of head and neck cancer. Jacobs C. **Ann Intern Med** 1990 Nov 15;113(10):771–8 (73 ref.)

Perilymphatic injections of cytokines: a new tool in active cancer immunotherapy. Experimental rationale and clinical findings. Forni G, et al. **Ann Ist Super Sanita** 1990; 26(3–4):397–409 (34 ref.)

Head and neck cancer. Taylor SG 4th. **Cancer Chemother Biol Response Modif** 1990;11:416–31 (72 ref.)

Advanced basal and squamous cell carcinomas of the skin of the head and neck. Weber RS, et al. **Cancer Treat Res** 1990;52:61–81 (54 ref.)

Interstitial hyperthermia in head and neck oncology. Welton PL, et al. **Cancer Treat Res** 1990;52:83–93 (34 ref.)

Radiotherapy and combined chemoradiotherapy in head and neck carcinoma. Eschwege F, et al. **Curr Opin Oncol** 1990 Jun;2(3):573–7 (33 ref.)

Esthesioneuroblastoma: is there a role for elective neck treatment? Beitler JJ, et al. **Head Neck** 1991 Jul–Aug; 13(4):321–6 (30 ref.)

Conventional therapy of head and neck cancer. Sloan D, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):601–25 (124 ref.)

Organ preservation in multimodality therapy of head and neck cancer. Urba S, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):713–24 (42 ref.)

Chemotherapy and the management of locally advanced squamous cell carcinoma of the head and neck: role in larynx preservation. Bosl GJ, et al. **Important Adv Oncol** 1991;:191–203 (58 ref.)

[Possible applications for monoclonal antibodies in diagnosis and therapy of head and neck cancers. II. Future role] Wustrow TP. **HNO** 1991 Apr;39(4):121–8 (39 ref.) (Eng. Abstr.) **(Ger)**

[Palliative treatment of malignant neoplasms of the upper aerodigestive tract] Vallés H, et al. **Acta Otorrinolaringol Esp** 1990 Sep–Oct;41(5):285–91 (14 ref.) (Eng. Abstr.) **(Spa)**

ULTRASONOGRAPHY

[Cystic hygroma of the neck. Antenatal diagnosis, prognostic factors, management. 42 cases] Bernard P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991;20(4):487–95 (30 ref.) (Eng. Abstr.) **(Fre)**

VETERINARY

Juvenile bovine angiomatosis: a syndrome of young cattle. Watson TD, et al. **Vet Rec** 1990 Sep 15;127(11):279–82 (16 ref.)

HEAD BANGING see **STEREOTYPED BEHAVIOR**

HEAD INJURIES

Minor head trauma in the pediatric patient. Tecklenburg FW, et al. **Pediatr Emerg Care** 1991 Feb;7(1):40–7 (53 ref.)

Penetrating craniocerebral trauma. Rosenwasser RH, et al. **Surg Clin North Am** 1991 Apr;71(2):305–16 (49 ref.)

A nasty knock on the head: reflections from a district hospital. Barker A. **Trop Doct** 1991 Apr;21(2):66–8 (0 ref.)

CEREBROSPINAL FLUID

Cerebrospinal fluid endothelin-1 and endothelin-3 levels in normal and neurosurgical patients: a clinical study and literature review. Kraus GE, et al. **Surg Neurol** 1991 Jan; 35(1):20–9 (61 ref.)

CLASSIFICATION

Mild head injury classification. Williams DH, et al. **Neurosurgery** 1990 Sep;27(3):422–8 (24 ref.)

COMPLICATIONS

Meningitis in the neurosurgical patient. Kaufman BA, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):677–701 (137 ref.)

Preventing secondary brain damage after head injury: a multidisciplinary challenge. Gentleman D. **Injury** 1990 Sep; 21(5):305–8 (61 ref.)

Posttraumatic headache and the postconcussion syndrome. Goldstein J. **Med Clin North Am** 1991 May;75(3):641–51 (44 ref.)

Ocular motor abnormalities from head trauma. Baker RS, et al. **Surv Ophthalmol** 1991 Jan–Feb;35(4):245–67 (211 ref.)

[Vertigo of traumatic origin] Savary P. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(5):479–83 (21 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Biomechanics of head injury. Demann D, et al. **Int J Neurosci** 1990 Sep;54(1–2):101–17 (25 ref.)

[Multiparametric monitoring in craniocephalic trauma] Proietti R, et al. **Minerva Anestesiol** 1990 Jul–Aug; 56(7–8):313–23 (22 ref.) **(Ita)**

PREVENTION & CONTROL

Promoting bicycle helmets: a new focus for injury prevention. Johnson C, et al. **Indiana Med** 1991 Apr; 84(4):264–6 (9 ref.)

PSYCHOLOGY

Psychosocial consequences of head injury in children and adolescents: implications for rehabilitation. Livingston MG, et al. **Pediatrician** 1990;17(4):255–61 (42 ref.)

REHABILITATION

Head injury—how community paediatricians can help. Crouchman M. **Arch Dis Child** 1990 Nov;65(11):1286–7 (10 ref.)

Post-acute management of head injuries. Stonnington HH. **Va Med Q** 1991 Summer;118(3):159–61, 164–5 (30 ref.)

SURGERY

Post-traumatic CSF fistulae, the case for surgical repair. Eljamel MS, et al. **Br J Neurosurg** 1990;4(6):479–83 (23 ref.)

[Posterior fossa hemorrhage 11 years after the use of silastic dural substitute: case report] Gondo G, et al. **No Shinkei Geka** 1991 Jan;19(1):59–62 (8 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Fluid therapy in neurosurgical patients. Frost EA. **Middle East J Anesthesiol** 1991 Feb;11(1):39–52 (31 ref.)

[Head injuries: new therapeutic prospects] Della Corte F, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):325–32 (20 ref.) **(Ita)**

[Metabolic nutritional strategy: head injuries] Pittoni G. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):493–9 (23 ref.) **(Ita)**

HEAD PROTECTIVE DEVICES

Promoting bicycle helmets: a new focus for injury prevention. Johnson C, et al. **Indiana Med** 1991 Apr; 84(4):264–6 (9 ref.)

HEADACHE

Diagnosis and treatment of headache in the elderly. Baumel B, et al. **Med Clin North Am** 1991 May;75(3):661–75 (113 ref.)

A practical approach to headaches in adolescents. Rothner AD. **Pediatr Ann** 1991 Apr;20(4):200–5 (9 ref.)

[Headache: diagnostic and therapeutic management] Pacelli M, et al. **Clin Ter** 1990 Aug 15–31;134(3–4):237–41 (12 ref.) (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

MSG and hydrolyzed vegetable protein induced headache: review and case studies. Scopp AL. **Headache** 1991 Feb; 31(2):107–10 (23 ref.)

Drug-induced headache. Mathew NT. **Neurol Clin** 1990 Nov;8(4):903–12 (33 ref.)

[Headache caused by analgesic and/or ergotamine abuse] Panconesi A, et al. **Clin Ter** 1991 May 15;137(3):169–83 (66 ref.) (Eng. Abstr.) **(Ita)**

CLASSIFICATION

The classification and diagnosis of headache disorders. Olesen J. **Neurol Clin** 1990 Nov;8(4):793–9 (4 ref.)

[Headaches and craniofacial pains with dental involvement in the classification of the International Headache Society (1988)] Macaluso GM, et al. **Minerva Stomatol** 1990 Aug; 39(8):685–95 (16 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Headache problems that can present as toothache. Graff-Radford SB. **Dent Clin North Am** 1991 Jan; 35(1):155–70 (66 ref.)

Diagnostics of cervicogenic headache. Pfaffenrath V, et al. **Funct Neurol** 1990 Apr–Jun;5(2):159–64 (13 ref.)

Cervicogenic headache: diagnostic criteria. Sjaastad O, et al. **Headache** 1990 Nov;30(11):725–6 (8 ref.)

[Thunderclap headache—scary and alarming] Boivie J. **Lakartidningen** 1991 Jun 19;88(25):2312–4 (15 ref.) **(Swe)**

DRUG THERAPY

Pharmacology and use of headache medications. Solomon GD. **Cleve Clin J Med** 1990 Oct;57(7):627–35 (70 ref.)

Sexual headaches: case report, review, and treatment with calcium blocker. Akpunonu BE, et al. **Headache** 1991 Mar; 31(3):141–5 (48 ref.)

Daily chronic headache. Saper JR. **Neurol Clin** 1990 Nov;

8(4):891–901 (28 ref.)
[Therapy of headache with analgesics] Scherber A. **Z Arztl Fortbild (Jena)** 1991 Jan 25;85(1–2):69–71 (5 ref.) **(Ger)**

EPIDEMIOLOGY

Headache. Public health problem. Ziegler DK. **Neurol Clin** 1990 Nov;8(4):781–91 (68 ref.)
[A one-year analysis of headache patients in general practice] Stupka K. **Z Arztl Fortbild (Jena)** 1991 Jan 25;85(1–2):6–11 (33 ref.) **(Ger)**

ETIOLOGY

Headache as a warning symptom of impending aneurysmal subarachnoid haemorrhage. Ostergaard JR. **Cephalalgia** 1991 Feb;11(1):53–5 (25 ref.)
Acute and chronic postural abnormalities as related to craniofacial pain and temporomandibular disorders. Mannheimer JS, et al. **Dent Clin North Am** 1991 Jan; 35(1):185–208 (103 ref.)
Headache as an initial manifestation of systemic disease. Coodley EL. **Funct Neurol** 1990 Oct–Dec;5(4):371–3 (14 ref.)
The headache of challenge in our time: cervicogenic headache. Sjaastad O. **Funct Neurol** 1990 Apr–Jun; 5(2):155–8 (13 ref.)
Headaches and multiple sclerosis: a clinical study and review of the literature. Rolak LA, et al. **J Neurol** 1990 Aug; 237(5):300–2 (31 ref.)
Posttraumatic headache and the postconcussion syndrome. Goldstein J. **Med Clin North Am** 1991 May;75(3):641–51 (44 ref.)
Cough, exertional, and other miscellaneous headaches. Sands GH, et al. **Med Clin North Am** 1991 May;75(3):733–47 (98 ref.)
Ophthalmologic aspects of headache. Tomsak RL. **Med Clin North Am** 1991 May;75(3):693–706 (90 ref.)
Headache and acquired immunodeficiency syndrome. Goldstein J. **Neurol Clin** 1990 Nov;8(4):947–60 (25 ref.)
Oromandibular disorders and headache. A critical appraisal. Graff-Radford SB. **Neurol Clin** 1990 Nov;8(4):929–45 (63 ref.)
Post dural puncture headache (PDPH): a review [see comments] Gielen M. **Reg Anesth** 1989 May–Jun; 14(3):101–6 (70 ref.) Comment in: Reg Anesth 1990 Jan–Feb;15(1):46–7.
Sick building syndrome. Lyles WB, et al. **South Med J** 1991 Jan;84(1):65–71, 76 (41 ref.)
[Isolated exertion headache and Chiari's malformation] Hubert P, et al. **Rev Neurol (Paris)** 1991;147(2):155–7 (10 ref.) (Eng. Abstr.) **(Fre)**
[Primary head and facial pain] Waespe W, et al. **Internist (Berl)** 1991 Jan;32(1):31–7 (14 ref.) **(Ger)**
[Headache in orthopedic consultation] Müller G. **Z Arztl Fortbild (Jena)** 1991 Jan 25;85(1–2):53–4 (0 ref.) **(Ger)**
[Headache—documentation and available research] Taubert K, et al. **Z Arztl Fortbild (Jena)** 1991 Jan 25;85(1–2):14–7 (10 ref.) **(Ger)**
[The language of pain: differential diagnosis of craniofacial pain] Hernández Gallego J, et al. **Med Clin (Barc)** 1990 Jul 7;95(6):224–7 (19 ref.) **(Spa)**

PHYSIOPATHOLOGY

Arthritis and headache. Besson JM. **Can J Physiol Pharmacol** 1991 May;69(5):635–6 (0 ref.)
"Hemicrania continua": a clinical review. Bordini C, et al. **Headache** 1991 Jan;31(1):20–6 (19 ref.)
Twenty questions about headaches in children and adolescents. Silberstein SD. **Headache** 1990 Nov; 30(11):716–24 (58 ref.)
Estrogens, progestins, and headache. Silberstein SD, et al. **Neurology** 1991 Jun;41(6):786–93 (132 ref.)
[The upper cervical spine. Symptomatology, clinical diagnosis and therapy of functional disorder] Baumgartner H. **Orthopade** 1991 Apr;20(2):127–32 (9 ref.) (Eng. Abstr.) **(Ger)**
[Headache within the scope of the Brügger sternal syndrome] Albustin H, et al. **Z Arztl Fortbild (Jena)** 1991 Jan 25; 85(1–2):55–6 (3 ref.) **(Ger)**

PSYCHOLOGY

Assessment and treatment of children's headaches from a developmental perspective. Marcon RA, et al. **Headache** 1990 Sep;30(9):586–92 (41 ref.)
Psychologic and behavioral aspects of chronic headache. Andrasik F. **Neurol Clin** 1990 Nov;8(4):961–76 (92 ref.)

REHABILITATION

[Principles for the use of physical therapy in primary headache] Taubert K. **Z Arztl Fortbild (Jena)** 1991 Jan 25; 85(1–2):19–22 (10 ref.) **(Ger)**

THERAPY

[The role of manual therapy in treatment of headache] Badtke G. **Z Arztl Fortbild (Jena)** 1991 Jan 25;85(1–2):49–51 (10 ref.) **(Ger)**
[Therapy of stress headache and migraine by eliminating para-functions of the masticatory system] Schmidt H. **Z Arztl Fortbild (Jena)** 1991 Jan 25;85(1–2):63–4 (0 ref.) **(Ger)**
[Transcutaneous electric nerve stimulation (TENS) in headache and facial pain] Taubert K. **Z Arztl Fortbild (Jena)** 1991 Jan 25;85(1–2):31–6 (37 ref.) **(Ger)**
[Carbon dioxide insufflation in headache and migraine] Taubert K. **Z Arztl Fortbild (Jena)** 1991 Jan 25; 85(1–2):23–30 (26 ref.) **(Ger)**

HEALTH

Omega-3 fatty acids in health and disease and in growth and development. Simopoulos AP. **Am J Clin Nutr** 1991 Sep;54(3):438–63 (211 ref.)
Nutrition and exercise: effects on adolescent health. Meredith CN, et al. **Annu Rev Public Health** 1991;12:309–33 (159 ref.)
Conceptualizing and measuring generic health outcomes. Ware JE Jr. **Cancer** 1991 Feb 1;67(3 Suppl):774–9 (22 ref.)
On health and healing: community health care in India. Antia NH. **Indian J Pediatr** 1991 Mar–Apr;58(2):161–73 (10 ref.)
Potential impacts on health of atmospheric change. Haines A, et al. **J Public Health Med** 1991 May;13(2):69–80 (70 ref.)
Influence of energy levels and trace metals on health and life span. Good RA, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):230S–236S (88 ref.)
Worksite behavioral research. Results, sensitive methods, test batteries and the transition from laboratory data to human health. Anger WK. **Neurotoxicology** 1990 Winter; 11(4):627–717 (411 ref.)
The impact of inadequate sanitary conditions on health in developing countries. Huttly SR. **World Health Stat Q** 1990;43(3):118–26 (57 ref.)

HEALTH BEHAVIOR

Counselling for HIV infection and AIDS: the past and the future. Green J. **AIDS Care** 1989;1(1):5–10 (26 ref.)
The impact of community-based groups to help persons reduce HIV infection risk behaviours. Kelly JA, et al. **AIDS Care** 1990;2(1):25–36 (14 ref.)
The effects of labeling on health behavior and treatment programs among north American Indians. Levy JE. **Am Indian Aisk Native Ment Health Res** 1988;1 MONO 1:211–31 discussion 232–43 (22 ref.)
Diabetes and behavior: American Indian issues. Pine CJ. **Am Indian Aisk Native Ment Health Res** 1988;1 MONO 1:94–109 discussion 110–5 (44 ref.)
Behavior as the central outcome in health care. Kaplan RM. **Am Psychol** 1990 Nov;45(11):1211–20 (64 ref.)
Diet patterns and health problems: diet in southern Europe. Buzina R, et al. **Ann Nutr Metab** 1991;35 Suppl 1:32–40 (22 ref.)
Food patterns and health problems: central Europe. Kohlmeier L. **Ann Nutr Metab** 1991;35 Suppl 1:22–31 (6 ref.)
Assessing how people change. Prochaska JO. **Cancer** 1991 Feb 1;67(3 Suppl):805–7 (13 ref.)
Needs and recommendations for behavior research in the prevention and early detection of cancer. Shiffman S, et al. **Cancer** 1991 Feb 1;67(3 Suppl):800–4 (5 ref.)
Behavioural aspects of dietary habits and dental caries. Birkhed D. **Caries Res** 1990;24 Suppl 1:27–35; discussion 36–42 (55 ref.)
The challenge of translating scientific knowledge into improved diabetes care in the 1990s [editorial] Anderson RM. **Diabetes Care** 1991 May;14(5):418–21 (11 ref.)
Health promotion for adolescents: preventive and corrective strategies against problem behavior. Hurrelmann K. **J Adolesc** 1990 Sep;13(3):231–50 (45 ref.)
Contributing factors to maternal and child oral health. Nowjack-Raymer R, et al. **J Public Health Dent** 1990;50(6 Spec No):370–8 (47 ref.)
Resurgence of a new "clean living" movement in the United States. Engs RC. **J Sch Health** 1991 Apr;61(4):155–9 (53 ref.)
Health counseling of adolescents. Joffe A, et al. **Pediatr Rev** 1991 May;12(11):344–51 (20 ref.)
The social unit: an important facet in the design of cancer control research. Biglan A, et al. **Prev Med** 1991 Mar; 20(2):292–305 (55 ref.)
Diet–disease relationships: public health perspectives. Evers S. **Prog Food Nutr Sci** 1991;15(1–2):61–83 (65 ref.)
Social and behavioral factors in transmission and response to shigellosis. Kunstadter P. **Rev Infect Dis** 1991 Mar–Apr; 13 Suppl 4:S272–8 (26 ref.)
The role of behavioral research in the prevention and management of invasive diarrheas. Pelto GH. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S255–8 (28 ref.)
The role of the nurse in skin cancer prevention, screening, and early detection. Berwick M, et al. **Semin Oncol Nurs** 1991 Feb;7(1):64–71 (39 ref.)
Approaches to communicating preventive behaviors. Buller DB, et al. **Semin Oncol Nurs** 1991 Feb;7(1):53–63 (47 ref.)
Family protective thinking about cardiac events: nursing interventions to promote maintenance of family health behaviors. Wastlick LA, et al. **Wis Med J** 1991 Jul; 90(7):438–40 (11 ref.)
[Surveys on AIDS in Africa] Guillaume A, et al. **Bull Soc Pathol Exot Filiales** 1990;83(4):552–9; discussion 559–60 (6 ref.) (Eng. Abstr.) **(Fre)**
[Sociocultural factors implicated in the establishment of therapeutic protocols and their consequences for the individual] Bergner M. **Journ Annu Diabetol Hotel Dieu** 1991;:241–51 (17 ref.) **(Fre)**
[Educational diagnosis and evaluation of educational strategies (PRECEDE Model): practical methodology for inducing changes in behavior and health status] Green LW, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:227–40 (76 ref.) **(Fre)**

HEALTH BENEFIT PLANS, EMPLOYEE

[Health screening in the workplace. Benefits and principles] Rasmussen K, et al. **Ugeskr Laeger** 1990 Oct 22; 152(43):3144–8 (19 ref.) (Eng. Abstr.) **(Dan)**

ECONOMICS

Health maintenance organizations: structure, performance, and current issues for employee health benefits design. Gold M. **J Occup Med** 1991 Mar;33(3):288–96 (34 ref.)
Choices in prescription-drug benefit programs: mail versus community pharmacy services. Kirking DM, et al. **Milbank Q** 1990;68(1):29–51 (72 ref.)

LEGISLATION & JURISPRUDENCE

Why requiring employers to provide health insurance is a bad idea. Swartz K. **J Health Polit Policy Law** 1990 Winter; 15(4):779–92 (6 ref.)

ORGANIZATION & ADMINISTRATION

Health care cost inflation and employer cost management. Custer WS. **J Occup Med** 1990 Dec;32(12):1229–34 (35 ref.)

STANDARDS

Assuring value in medical care for employees and dependents: an opportunity for occupational physicians. Buck CR Jr. **J Occup Med** 1990 Dec;32(12):1165–6 (13 ref.)

STATISTICS & NUMERICAL DATA

Employer-sponsored health insurance, 1989. Gabel J, et al. **Health Aff (Millwood)** 1990 Fall;9(3):161–75 (18 ref.)

UTILIZATION

Ensuring value by supporting consumer decision making. Gardner HH, et al. **J Occup Med** 1990 Dec;32(12):1223–6 (24 ref.)

HEALTH CARE COALITIONS

ECONOMICS

Economic analyses in hypertension: applications for healthcare providers. Jones-Grizzle AJ, et al. **DICP** 1991 Mar;25(3):289–95 (31 ref.)

HEALTH CARE DELIVERY see **DELIVERY OF HEALTH CARE**

HEALTH CARE RATIONING

Bioethics and public health in the 1980s: resource allocation and AIDS. Faden RR, et al. **Annu Rev Public Health** 1991; 12:335–60 (155 ref.)
What constitutes a just health services system and how should scarce resources be allocated? Gracia D. **Bull Pan Am Health Organ** 1990;24(4):550–65 (16 ref.)
Assigning priority to patients requiring coronary revascularization: consensus principles from a panel of cardiologists and cardiac surgeons. Naylor CD, et al. **Can J Cardiol** 1991 Jun;7(5):207–13 (13 ref.)
Rationing medical care. Higgins W. **Fam Med** 1991 May–Jun; 23(4):292–6 (44 ref.)

ORGANIZATION & ADMINISTRATION

How can we best care for persons who are medically indigent in a world of limited resources? Mosley ML. **Issues Law Med** 1990 Fall;6(2):175–92 (67 ref.)

STANDARDS

Nursing aspects of infection control in developing countries. Sobayo EI. **J Hosp Infect** 1991 Jun;18 Suppl A:388–91 (4 ref.)

HEALTH CARE RESEARCH see **HEALTH SERVICES RESEARCH**

HEALTH CARE SEEKING BEHAVIOR see **PATIENT ACCEPTANCE OF HEALTH CARE**

HEALTH CARE SYSTEMS see **DELIVERY OF HEALTH CARE**

HEALTH CARE TEAM see **PATIENT CARE TEAM**

HEALTH CENTERS, AMBULATORY see **AMBULATORY CARE FACILITIES**

HEALTH DIARIES see **MEDICAL RECORDS**

HEALTH EDUCATION

Counseling patients on proper use of condoms. Vinson RP, et al. **Am Fam Physician** 1991 Jun;43(6):2081–5 (15 ref.)
On the importance of planned health education. Prevention of ski injury as an example. Kok G, et al. **Am J Sports Med** 1990 Nov–Dec;18(6):600–5 (21 ref.)
Accidents to children: the doctor's role. Education or environmental change? Sibert JR. **Arch Dis Child** 1991 Jul; 66(7):890–3 (41 ref.)
Preventive strategies in education: history, current practices, and future trends regarding substance abuse and pregnancy prevention. Sowers JG. **Bull N Y Acad Med** 1991 May–Jun; 67(3):256–69 (4 ref.)
Report of the Expert Panel on Population Strategies for Blood Cholesterol Reduction. A statement from the National Cholesterol Education Program, National Heart, Lung, and Blood Institute, National Institutes of Health. Carleton RA, et al. **Circulation** 1991 Jun;83(6):2154–232 (629 ref.)
Malignant melanoma as a model for cancer education and prevention. 1989 Harvey lecture American Association for Cancer Education. Robinson WA. **J Cancer Educ** 1990; 5(2):85–9 (22 ref.)
Counteracting nutritional misinformation: a curricular proposal. Jamison JR. **J Manipulative Physiol Ther** 1990 Oct;13(8):454–62 (91 ref.)
Restructured schools: challenges and opportunities for school health education. Cleary MJ. **J Sch Health** 1991 Apr; 61(4):172–5 (36 ref.)
The role of worker education in preventing occupational lung disease. Kaufman JD, et al. **Occup Med** 1991 Jan–Mar; 6(1):1–9 (23 ref.)
Healthful living for all by year 2000 through the health education approach. Kim MH. **Yonsei Med J** 1990 Sep; 31(3):193–6 (8 ref.)
[Differentiated educational programs on AIDS prevention at the U.S. schools (review)] Sokhin AA. **Sov Zdravookhr** 1990;(10):58–64 (30 ref.) **(Rus)**
[Basis for the elaboration of nutritional guidelines] Romero Moreno ME. **Arch Latinoam Nutr** 1988 Sep;38(3):780–7 (14 ref.) (Eng. Abstr.) **(Spa)**

LEGISLATION & JURISPRUDENCE

AIDS prevention: legislative options. Clark ME. **Am J Law Med** 1990;16(1–2):107–53 (295 ref.)

METHODS

The impact of community-based groups to help persons reduce HIV infection risk behaviours. Kelly JA, et al. **AIDS Care** 1990;2(1):25–36 (14 ref.)
Smoking prevention: towards a process approach. Leventhal H, et al. **Br J Addict** 1991 May;86(5):583–7 (15 ref.)
Health education interventions in developing countries: a methodological review of published articles. Loevinsohn BP. **Int J Epidemiol** 1990 Dec;19(4):788–94 (80 ref.)
Computer-assisted strategies for substance abuse prevention: opportunities and barriers. Orlandi MA, et al. **J Consult Clin Psychol** 1990 Aug;58(4):425–31 (43 ref.)
Preventing drug use in adolescents through media interventions. Schilling RF, et al. **J Consult Clin Psychol** 1990 Aug;58(4):416–24 (63 ref.)
Human immunodeficiency virus education and screening of prenatal patients. Tuomala R. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):571–83 (50 ref.)
Health counseling of adolescents. Joffe A, et al. **Pediatr Rev** 1991 May;12(11):344–51 (20 ref.)
Interventions to enhance breast self-examination practice: a review. Janz NK, et al. **Public Health Rev** 1989–90; 17(2–3):89–163 (56 ref.)
Theories used in patient/health education. Padilla GV, et al. **Semin Oncol Nurs** 1991 May;7(2):87–96 (74 ref.)

ORGANIZATION & ADMINISTRATION

The Healthy Cities Project: a challenge for health education. Ashton J. **Health Educ Q** 1991 Spring;18(1):39–48 (28 ref.)
Health education in England: a five-year strategy for the Health Education Authority. Hagard S, et al. **Health Educ Q** 1991 Spring;18(1):49–63 (25 ref.)
[Hygienic basis of the prevention of AIDS (review of the literature)] Lalaiants IE, et al. **Gig Sanit** 1990 Dec;(12):72–6 (77 ref.) **(Rus)**

TRENDS

[Preventive health care for children in Sweden] Kornfält R. **Arztl Jugendkd** 1990;81(4):294–8 (1 ref.) (Eng. Abstr.) **(Ger)**

HEALTH EDUCATION, DENTAL

Education and diet in the prevention of caries in the preschool child. Holm AK. **J Dent** 1990 Dec;18(6):308–14 (11 ref.)
Oral health education and promotion in maternal and child health: a position paper. Frazier PJ, et al. **J Public Health Dent** 1990;50(6 Spec No):390–5 (34 ref.)

HEALTH FACILITY CLOSURE

TRENDS

A 'crisis' of closure and openness: the present state of the Swedish mental health system in the light of a policy of sectorisation. Goldie N, et al. **Soc Sci Med** 1991; 32(4):499–506 (54 ref.)

HEALTH FACILITY PLANNING

see related
FACILITY DESIGN AND CONSTRUCTION

HEALTH INSURANCE see **INSURANCE, HEALTH**

HEALTH INSURANCE FOR AGED AND DISABLED, TITLE 18 see **MEDICARE**

HEALTH INSURANCE REIMBURSEMENT see **INSURANCE, HEALTH, REIMBURSEMENT**

HEALTH INSURANCE, VOLUNTARY see **INSURANCE, HEALTH**

HEALTH LEGISLATION see **LEGISLATION**

HEALTH MAINTENANCE ORGANIZATIONS

Health maintenance organizations: structure, performance, and current issues for employee health benefits design. Gold M. **J Occup Med** 1991 Mar;33(3):288–96 (34 ref.)
Caregiving merged with chronobiologic outcome assessment, research, and education in health maintenance organizations. Halberg F, et al. **Prog Clin Biol Res** 1990; 341B:491–549 (140 ref.)

HEALTH MANPOWER

Risk of HIV infection in health care workers. Fahrner R, et al. **AIDS Clin Rev** 1991;:215–25 (21 ref.)
Occupational HIV infection: risk assessment. Gerberding JL. **AIDS Clin Rev** 1989;:19–27 (15 ref.)
Position paper: the HIV-infected health care worker. The Association for Practitioners in Infection Control. The Society of Hospital Epidemiologists of America. **Am J Infect Control** 1990 Dec;18(6):371–82 (31 ref.)
A study to determine oral health needs of institutionalised elderly patients by non dental health care workers. Hoad-Reddick G. **Community Dent Oral Epidemiol** 1991 Aug;19(4):233–6 (20 ref.)
HIV infection in healthcare workers. How great is the risk? What can be done before and after exposure? Henry K, et al. **Postgrad Med** 1991 Feb 15;89(3):30–8 (45 ref.)
Coping with the stress on carers. Taylor J. **Practitioner** 1990 Mar 22;234(1485):300–1 (2 ref.)
Occupational HIV infection and health care workers in the tropics. Veeken H, et al. **Trop Doct** 1991 Jan;21(1):28–31 (24 ref.)
[Incidence of hepatitis C virus antibodies in blood donors, high risk patient groups, liver diseases and health professionals. Multicenter study of the ABBOT ELISA method, comparison with the ORTHO test] Pár A. **Orv Hetil** 1991 May 5;132(18):955–9 (19 ref.) (Eng. Abstr.) **(Hun)**
[Importance of choosing suitable gloves for good protective effect. Disinfectants cause eczema and contact urticaria among health personnel] Fischer T, et al. **Lakartidningen** 1991 Mar 20;88(12):1077, 1079–80 (15 ref.) **(Swe)**

STANDARDS

Procedures to protect health-care workers from HIV infection: category I (health-care) workers. Crutcher JM, et al. **Am Ind Hyg Assoc J** 1991 Feb;52(2):A100–3 (12 ref.)

STATISTICS & NUMERICAL DATA

The health of health care workers. The Ernestine Henry lecture 1990. Harrington JM. **J R Coll Physicians Lond** 1990 Jul;24(3):189–95 (68 ref.)

HEALTH OCCUPATIONS

HIV infection risk to health-care workers. Gershon RM, et al. **Am Ind Hyg Assoc J** 1990 Dec;51(12):A802–6 (44 ref.)
Poisonings in laboratory personnel and health care professionals. Binder L, et al. **Am J Emerg Med** 1991 Jan; 9(1):11–5 (59 ref.)
Resistance to mandatory AIDS testing. **AORN J** 1991 Jul; 54(1):96 (0 ref.)
Risks of human immunodeficiency virus infection to patients and healthcare personnel. Gerst PH, et al. **Crit Care Med** 1990 Dec;18(12):1440–8 (112 ref.)
Monitoring, reentry, and relapse prevention for chemically dependent health care professionals. Buxton M. **J Psychoactive Drugs** 1990 Oct–Dec;22(4):447–50 (7 ref.)
[The risk of acquiring the human immunodeficiency virus for health care personnel] Legrand JC, et al. **Rev Med Brux** 1991 Apr;12(4):127–34 (25 ref.) (Eng. Abstr.) **(Fre)**
[The "intervening parties" facing the implicit needs of their clients: can their discomfort be resolved?] Wulliemier F. **Rev Med Suisse Romande** 1991 May;111(5):441–42 (34 ref.) **(Fre)**
[HIV transmission in hospitals and office practice. Protection of patients and medical personnel] Schwarz H. **Schweiz Med Wochenschr** 1991 Jul 27;121(30):1077–82 (31 ref.) (Eng. Abstr.) **(Ger)**

EDUCATION

Improving outcomes of analgesic treatment: is education enough? [see comments] Max MB. **Ann Intern Med** 1990 Dec 1;113(11):885–9 (57 ref.) Comment in: Ann Intern Med 1991 Feb 15;114(4):342–3.

HEALTH OCCUPATIONS MANPOWER see **HEALTH MANPOWER**

HEALTH PERSONNEL see **HEALTH MANPOWER**

HEALTH PHYSICS

see related
RADIATION PROTECTION
RADIOMETRY

HEALTH PLANNING GUIDELINES

ACC/AHA guidelines for the clinical application of echocardiography. A report of the American College of Cardiology/American Heart Association Task Force on Assessment of Diagnostic and Therapeutic Cardiovascular Procedures (Subcommittee to Develop Guidelines for the Clinical Application of Echocardiography). **Circulation** 1990 Dec;82(6):2325–45 (199 ref.)
The clinical evaluation of antibacterial drugs: guidelines of the British Society for Antimicrobial Chemotherapy. Finch RG. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):542–7 (8 ref.)
Guidelines of the World Health Organization for clinical trials with antimicrobial agents. Lunde I. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):548–51 (3 ref.)
Good clinical practice. Regnier B. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):519–22 (8 ref.)
Prospects for standardisation of methods and guidelines for disc susceptibility testing. Williams JD. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):496–501 (7 ref.)
Guidelines for medical screening in the workplace. Matte TD, et al. **Occup Med** 1990 Jul–Sep;5(3):439–56 (14 ref.)

HEALTH POLICY

The formulation and implementation of a national policy on condoms in the context of HIV/AIDS—a review. Jayasuriya DC. **AIDS Care** 1991;3(1):3–9 (48 ref.)
Social, political, economic and health consequences of environmental treatment of house dust mites. Olsen OF, et al. **Allergy** 1991;46 Suppl 11:39–44 (30 ref.)
AIDS in the workplace: a summary of risks and responses. Lamm SH, et al. **Am Ind Hyg Assoc J** 1991 Feb; 52(2):A112–5 (14 ref.)
Trauma systems and public policy. Mendeloff JM, et al. **Annu Rev Public Health** 1991;12:401–24 (50 ref.)
Biomedical and social considerations on the AIDS pandemic and associated tumors. Giraldo G. **Antibiot Chemother** 1991;43:272–5 (0 ref.)
The future impact of AIDS on society. Roscam Abbing EW. **Antibiot Chemother** 1991;43:264–71 (20 ref.)
Policies for the prevention of coronary heart disease through cholesterol-lowering. Rifkind BM. **Br Med Bull** 1990 Oct; 46(4):1059–74 (42 ref.)
Drug abuse: a national policy perspective. Falco M. **Bull N Y Acad Med** 1991 May–Jun;67(3):196–206 (7 ref.)
What constitutes a just health services system and how should scarce resources be allocated? Gracia D. **Bull Pan Am Health Organ** 1990;24(4):550–65 (16 ref.)
Quality of life after cancer. A policy perspective. Bloom JR. **Cancer** 1991 Feb 1;67(3 Suppl):855–9 (27 ref.)
European standards for antibiotic susceptibility testing: towards a theoretical consensus. Baquero F. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):492–5 (11 ref.)
Basic requirements for the toxicity testing of antimicrobial agents. Bass R, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):488–91 (12 ref.)
The elderly and drug policy: coming of age. Avorn J. **Health Aff (Millwood)** 1990 Fall;9(3):6–19 (20 ref.)
Adverse drug reactions and the elderly. Ray WA, et al. **Health Aff (Millwood)** 1990 Fall;9(3):114–22 (27 ref.)
Economic considerations that influence health policy and research. Harlan WR. **Hypertension** 1989 May;13(5 Suppl):I158–63 (9 ref.)
Implications for research and policy in the treatment of hypertension. Medical considerations. Horan MJ. **Hypertension** 1989 May;13(5 Suppl):I164–6 (15 ref.)
Public policy issues affecting the health care delivery system of adolescents. Brindis CD, et al. **J Adolesc Health Care** 1990 Sep;11(5):387–97 (21 ref.)

Drug utilization in Panama. Lee D. **J Clin Epidemiol** 1991; 44 Suppl 2:31S–38S (51 ref.)
Partnership as a new strategy in mental health policy: the case of Québec [see comments] Boudreau F. **J Health Polit Policy Law** 1991 Summer;16(2):307–29 (77 ref.) Comment in: J Health Polit Policy Law 1991 Summer;16(2):331–3.
Oral health policy issues for women and children. Allukian M Jr. **J Public Health Dent** 1990;50(6 Spec No):406–17 (31 ref.)
The autopsy crisis reexamined: the case for a national autopsy policy. Hill RB, et al. **Milbank Q** 1991;69(1):51–78 (60 ref.)
Implantable cardioverter defibrillators in cardiovascular practice: report of the Policy Conference of the North American Society of Pacing and Electrophysiology. NASPE Policy Conference Committee. Lehmann MH, et al. **PACE Pacing Clin Electrophysiol** 1991 Jun;14(6):969–79 (86 ref.)
The service system at the crossroad of demography and policy making—implications for the elderly. Andersson L. **Soc Sci Med** 1991;32(4):491–7 (33 ref.)
A 'crisis' of closure and openness: the present state of the Swedish mental health system in the light of a policy of sectorisation. Goldie N, et al. **Soc Sci Med** 1991; 32(4):499–506 (54 ref.)
Towards a Swedish health policy for the 1990s: planned markets and public firms. von Otter C, et al. **Soc Sci Med** 1991;32(4):473–81 (46 ref.)
Practical chemotherapy of malaria. Report of a WHO Scientific Group. **WHO Tech Rep Ser** 1990;805:1–141 (0 ref.)

ECONOMICS

The fat kid on the seesaw: American business and health care cost containment, 1970–1990. Bergthold L. **Annu Rev Public Health** 1991;12:157–75 (59 ref.)

LEGISLATION & JURISPRUDENCE

Narrowing the gap between policy and practice. Keogh BK. **Except Child** 1990 Oct–Nov;57(2):186–90 (6 ref.)
Alcohol prevention in New Zealand: working towards a national alcohol policy. Laurs MR. **Int J Addict** 1990–91; 25(4A):513–32 (46 ref.)
Bovine spongiform encephalopathy. Matthews D. **J R Soc Health** 1991 Feb;111(1):3–5 (7 ref.)
Radon and health [see comments] Bowie C, et al. **Lancet** 1991 Feb 16;337(8738):409–13 (42 ref.) Comment in: Lancet 1991 Mar 23;337(8743):732.

TRENDS

Recent developments in mental health: perspectives and services. Mechanic D. **Annu Rev Public Health** 1991; 12:1–15 (39 ref.)
Prescription drugs, practicing physicians, and the elderly. Lavizzo-Mourey RJ, et al. **Health Aff (Millwood)** 1990 Fall; 9(3):20–35 (35 ref.)
Experience of state drug benefit programs. Soumerai SB, et al. **Health Aff (Millwood)** 1990 Fall;9(3):36–54 (45 ref.)
Current issues in the U.S. mental health service system—a community health perspective. Lee ES. **J Korean Med Sci** 1990 Jun;5(2):65–74 (18 ref.)
Cognitive impairment among functionally limited elderly people in the community: future considerations for long-term care policy. Kasper JD. **Milbank Q** 1990; 68(1):81–109 (52 ref.)
Child health services in England and Wales: an overview. Goodwin S. **Pediatrics** 1990 Dec;86(6 Pt 2):1032–6 (16 ref.)
Global eradication of poliomyelitis: recent progress, future prospects, and new research priorities. Lemon SM, et al. **Prog Med Virol** 1991;38:42–55 (32 ref.)

HEALTH PRIORITIES

Burn nursing Delphi study. Setting research priorities. Marvin JA, et al. **J Burn Care Rehabil** 1991 Mar–Apr; 12(2):190–7 (11 ref.)

HEALTH PROFESSIONS see **HEALTH OCCUPATIONS**

HEALTH PROMOTION

see related
HEALTH BEHAVIOR

Epidemiologic perspectives on life-style modification and health promotion in cancer research. Celentano DD. **Cancer** 1991 Feb 1;67(3 Suppl):808–12 (20 ref.)
Use of exposure information and animal cancer data in the prevention of environmental and occupational cancer. Vainio H, et al. **Cancer Detect Prev** 1991;15(1):7–16 (36 ref.)
Health promotion roles of the federal government and food industry in nutrition and blood pressure. Ernst ND. **Hypertension** 1991 Jan;17(1 Suppl):I196–200 (35 ref.)
Assessment of regionalized perinatal programs. Campbell MK. **J Dev Physiol** 1991 Feb;15(2):125–31 (36 ref.)
Oral health education and promotion in maternal and child health: a position paper. Frazier PJ, et al. **J Public Health Dent** 1990;50(6 Spec No):390–5 (34 ref.)
Workplace health promotion programs. An overview. Pencak M. **Nurs Clin North Am** 1991 Mar;26(1):233–40 (20 ref.)

ECONOMICS

Is it worth it? Evaluating the economic impact of worksite health promotion. Katz PP, et al. **Occup Med** 1990 Oct–Dec;5(4):837–50 (34 ref.)

LEGISLATION & JURISPRUDENCE

Legal issues in the delivery of worksite health promotion. Herbert DL, et al. **Occup Med** 1990 Oct–Dec;5(4):851–61 (36 ref.)

METHODS

Food, nutrients, health and disease: a historical perspective on the assessment and management of risks. McMichael AJ. **Aust J Public Health** 1991 Mar;15(1):7–13 (29 ref.)
Smoking prevention: towards a process approach. Leventhal H, et al. **Br J Addict** 1991 May;86(5):583–7 (15 ref.)
Prevention of adult heart disease beginning in childhood: intervention programs. Lawrence M, et al. **Cardiovasc Clin** 1991;21(3):249–62 (46 ref.)
Year 2000 fitness objectives for the nation. The physician's role. Cooper DL. **Clin Sports Med** 1991 Jan;10(1):223–6 (1 ref.)
Health promotion for adolescents: preventive and corrective strategies against problem behavior. Hurrelmann K. **J Adolesc** 1990 Sep;13(3):231–50 (45 ref.)
Promoting adherence to low-fat, low-cholesterol diets: review and recommendations. McCann BS, et al. **J Am Diet Assoc** 1990 Oct;90(10):1408–14, 1017 (64 ref.)
Part I: Basic approach to health screening. Swee DE, et al. **N J Med** 1991 Jun;88(6):421–6 (40 ref.)
Polypharmacy in geriatric patients. LeSage J. **Nurs Clin North Am** 1991 Jun;26(2):273–90 (69 ref.)
Health promotion and disease prevention for the international traveler. Alder MB, et al. **Nurse Pract** 1991 May;16(5):10–4, 16–8, 25 (17 ref.)
Approaches to communicating preventive behaviors. Buller DB, et al. **Semin Oncol Nurs** 1991 Feb;7(1):53–63 (47 ref.)
Promoting successful aging in the primary care patient. Teitelman J, et al. **Va Med Q** 1991 Spring;118(2):101–2 (15 ref.)
Safety belts and public health. The role of medical practitioners. Kizer KW, et al. **West J Med** 1991 Mar; 154(3):303–6 (19 ref.)

ORGANIZATION & ADMINISTRATION

The Healthy Cities Project: a challenge for health education. Ashton J. **Health Educ Q** 1991 Spring;18(1):39–48 (28 ref.)
Health education in England: a five-year strategy for the Health Education Authority. Hagard S, et al. **Health Educ Q** 1991 Spring;18(1):49–63 (25 ref.)
The marketing of empowerment and the construction of the health consumer: a critique of health promotion. Grace VM. **Int J Health Serv** 1991;21(2):329–43 (49 ref.)
Implementation of a systematic health maintenance protocol in a private practice [see comments] Hahn DL, et al. **J Fam Pract** 1990 Nov;31(5):492–502; discussion 502–4 (51 ref.) Comment in: J Fam Pract 1991 Feb;32(2):128–9. Comment in: J Fam Pract 1991 Apr;32(4):353–4.
Ethnic/racial populations and worksite health promotion. Aguirre-Molina M, et al. **Occup Med** 1990 Oct–Dec; 5(4):789–806 (49 ref.)
Debunking the myth of individual health promotion. Bellingham R. **Occup Med** 1990 Oct–Dec;5(4):665–75 (24 ref.)
The benefits of a physically active workforce: an organizational perspective. Boyer ML, et al. **Occup Med** 1990 Oct–Dec;5(4):691–706 (98 ref.)
The aging workforce: implications for organizations. Campanelli L. **Occup Med** 1990 Oct–Dec;5(4):817–26 (15 ref.)
Preventing substance abuse as an integral part of worksite health promotion. Cook RF, et al. **Occup Med** 1990 Oct–Dec;5(4):725–38 (33 ref.)
Promoting mental health at the workplace: the prevention side of stress management. Elkin AJ, et al. **Occup Med** 1990 Oct–Dec;5(4):739–54 (55 ref.)
Reducing the risk of cancer through worksite intervention. Heimendinger J, et al. **Occup Med** 1990 Oct–Dec; 5(4):707–23 (76 ref.)
An organizational perspective on worksite health promotion. Jacobson MI, et al. **Occup Med** 1990 Oct–Dec;5(4):653–64 (8 ref.)
Employer-sponsored health promotion: why and how to make it a family affair. McCauley MJ, et al. **Occup Med** 1990 Oct–Dec;5(4):771–87 (51 ref.)
Meeting the health promotion challenge through a model of shared responsibility. Sandroff DJ, et al. **Occup Med** 1990 Oct–Dec;5(4):677–90 (31 ref.)
Development of the AT&T Health Audit for measuring organizational health. Scofield ME, et al. **Occup Med** 1990 Oct–Dec;5(4):755–70 (35 ref.)

STANDARDS

Standards in maternal and child oral health. Wilson AA. **J Public Health Dent** 1990;50(6 Spec No):432–8 (26 ref.)
The social unit: an important facet in the design of cancer control research. Biglan A, et al. **Prev Med** 1991 Mar; 20(2):292–305 (55 ref.)

TRENDS

Behavior as the central outcome in health care. Kaplan RM. **Am Psychol** 1990 Nov;45(11):1211–20 (64 ref.)
Health challenges for the year 2000: health promotion and AIDS. Erben R. **Health Educ Q** 1991 Spring;18(1):29–37 (22 ref.)
Are we there yet? Anticipating the future of worksite health promotion. Scofield M. **Occup Med** 1990 Oct–Dec; 5(4):863–75 (36 ref.)
[Preventive health care for children in Sweden] Kornfält R. **Arztl Jugendkd** 1990;81(4):294–8 (1 ref.) (Eng. Abstr.) **(Ger)**

HEALTH RECORDS, PERSONAL see **MEDICAL RECORDS**

HEALTH RESORTS

[Radiation risk of the patient in radon therapy] Schüttmann W. **Z Arztl Fortbild (Jena)** 1990;84(24):1244–9 (30 ref.) **(Ger)**
[The ecological problems of the health resort and recreational use of bodies of water] Krasheninnikova TD, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1990 May–Jun; (3):66–72 (43 ref.) **(Rus)**

HEALTH RESOURCES

see related
HEALTH CARE RATIONING

Resources for improving the oral health of maternal and child populations [published erratum appears in J Public Health Dent 1991 Spring;51(2):68] Johnson K, et al. **J Public Health Dent** 1990;50(6 Spec No):418–26 (23 ref.)

HEALTH RISK APPRAISAL see **HEALTH STATUS INDICATORS**

HEALTH SERVICES

ECONOMICS

The state of the art of costing health care for economic evaluation. Donaldson C. **Community Health Stud** 1990; 14(4):341–56 (30 ref.)

LEGISLATION & JURISPRUDENCE

Drug addiction, pregnancy, and childbirth: legal issues for the medical and social services communities. Connolly WB Jr, et al. **Clin Perinatol** 1991 Mar;18(1):147–86 (119 ref.)

UTILIZATION

Ethnicity and the use of health services. Gillam S. **Postgrad Med J** 1990 Dec;66(782):989–93 (62 ref.)

HEALTH SERVICES ACCESSIBILITY

Are minority children getting their fair share of dental services? Waldman HB. **ASDC J Dent Child** 1990 Sep–Oct; 57(5):380–4 (7 ref.)
Strategies for more effective delivery of mammography screening services. Pisano ED, et al. **Curr Opin Radiol** 1990 Oct;2(5):726–33 (28 ref.)
Rationing medical care. Higgins W. **Fam Med** 1991 May–Jun; 23(4):292–6 (44 ref.)
The role of public values in setting health care priorities. Hadorn DC. **Soc Sci Med** 1991;32(7):773–81 (48 ref.)
[Surveys on access to health care in Africa. Methodological problems] Fassin D, et al. **Rev Epidemiol Sante Publique** 1991;39(1):89–99 (28 ref.) **(Fre)**

ECONOMICS

Maternity care financing: universal access or universal care? Barber-Madden R, et al. **J Health Polit Policy Law** 1990 Winter;15(4):797–814 (60 ref.)

LEGISLATION & JURISPRUDENCE

Regulatory requirements for clinical evaluation of antimicrobial agents. Christ W. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):537–41 (5 ref.)
The politics of universal access: the Massachusetts Health Security Act of 1988. Goldberger SA. **J Health Polit Policy Law** 1990 Winter;15(4):857–85 (59 ref.)
The slippery slope of health care finance: business interests and hospital reimbursement in Massachusetts. Kronick R. **J Health Polit Policy Law** 1990 Winter;15(4):887–913 (6 ref.)

ORGANIZATION & ADMINISTRATION

Access to high-tech health care. Ethics. Merrill JM. **Cancer** 1991 Mar 15;67(6 Suppl):1750–2 (6 ref.)

STANDARDS

Genetic services for underserved populations. Scope of the problem. **Birth Defects** 1990;26(2):257–80 (0 ref.)
Genetic services for underserved populations. Consensus recommendations. **Birth Defects** 1990;26(2):243–56 (0 ref.)

Diabetes care in minority groups. Overcoming barriers to meet these patients' special needs. Davidson JA. **Postgrad Med** 1991 Aug;90(2):153–4, 157–68 (14 ref.)
Rethinking the health selection explanation for health inequalities. West P. **Soc Sci Med** 1991;32(4):373–84 (60 ref.)

STATISTICS & NUMERICAL DATA

Health and social inequities in Sweden. Diderichsen F. **Soc Sci Med** 1990;31(3):359–67 (13 ref.)
Health and social inequities in Switzerland. Lehmann P, et al. **Soc Sci Med** 1990;31(3):369–86 (65 ref.)

TRENDS

Access to cancer prevention, detection, and treatment. Steiner CB. **Cancer** 1991 Mar 15;67(6 Suppl):1736–40 (20 ref.)
A decade of case management: a methodological review of outcome research. Chamberlain R, et al. **Community Ment Health J** 1991 Jun;27(3):171–88 (45 ref.)

HEALTH SERVICES FOR THE AGED

Multidimensional assessment of elderly patients. Rubenstein LZ, et al. **Adv Intern Med** 1991;36:81–108 (83 ref.)
Principles of geriatric care. Kaiser FE. **Am J Kidney Dis** 1990 Oct;16(4):354–9 (51 ref.)
Home care for the elderly. The new institution. Steel K. **Arch Intern Med** 1991 Mar;151(3):439–42 (47 ref.)
Home care of the elderly diabetic patient. Bernstein LH, et al. **Clin Geriatr Med** 1990 Nov;6(4):943–57 (43 ref.)
A study to determine oral health needs of institutionalised elderly patients by non dental health care workers. Hoad-Reddick G. **Community Dent Oral Epidemiol** 1991 Aug;19(4):233–6 (20 ref.)
The service system at the crossroad of demography and policy making—implications for the elderly. Andersson L. **Soc Sci Med** 1991;32(4):491–7 (33 ref.)
Health care provision and distributive justice: end stage renal disease and the elderly in Britain and America. Gill DG, et al. **Soc Sci Med** 1991;32(5):565–77 (55 ref.)
[Geriatrics and geriatric care: for whom and how (I)] González Montalvo JI, et al. **Med Clin (Barc)** 1991 Feb 9;96(5):183–8 (95 ref.) **(Spa)**
[Geriatrics and geriatric care: for whom and how (and II)] González Montalvo JI, et al. **Med Clin (Barc)** 1991 Feb 16;96(6):222–8 (114 ref.) **(Spa)**

ECONOMICS

Medicare reimbursement for geriatric assessment: report of the American Geriatrics Society Ad Hoc Committee on Geriatrics Assessment. Rubenstein LZ, et al. **J Am Geriatr Soc** 1991 Sep;39(9):926–31 (17 ref.)
Morbidity, disability, and long-term care of the elderly: implications for insurance financing. Liu K, et al. **Milbank Q** 1990;68(3):445–92 (47 ref.)
Financing geriatric programs in community health centers. Yeatts DE, et al. **Public Health Rep** 1991 Jul-Aug; 106(4):375–83 (7 ref.)

LEGISLATION & JURISPRUDENCE

Medical treatment for older persons and persons with disabilities: 1990 developments. National Legal Center Staff. **Issues Law Med** 1991 Spring;6(4):341–60 (137 ref.)

ORGANIZATION & ADMINISTRATION

Effectiveness of three types of geriatric medical services: lessons for geriatric psychiatric services. Cole MG. **Can Med Assoc J** 1991 May 15;144(10):1229–40 (28 ref.)
Geriatric evaluation and management: current status and future research directions. Applegate W, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):2S–7S (21 ref.)
Geriatric evaluation and management units: experimental methods for evaluating efficacy. Feussner JR. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):19S–24S (17 ref.)
Working group recommendations: methods for geriatric evaluation and management research. Feussner JR, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):45S–47S (0 ref.)
Working group recommendations: measuring outcomes of care in geriatric evaluation and management units. Hedrick SC, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):48S–52S (30 ref.)
Working group recommendations: research on content and efficacy of geriatric evaluation and management interventions. Jahnigen DW, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):42S–44S (2 ref.)
Research strategies for geriatric evaluation and management: conference summary and recommendations. Kramer A, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):53S–57S (8 ref.)
Impacts of geriatric evaluation and management programs on defined outcomes: overview of the evidence. Rubenstein LZ, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):8S–16S; discussion 17S–18S (65 ref.)
Working group recommendations: targeting criteria for geriatric evaluation and management research. Rubenstein LZ, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):37S–41S (4 ref.)
Targeting strategies: an overview of criteria and outcomes. Winograd CH. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):25S–35S (41 ref.)
Caring for the elderly: the partnership issue. Jutras S. **Soc Sci Med** 1990;31(7):763–71 (61 ref.)
[Support system for the demented elderly—the viewpoint of community care] Okuni M. **Nippon Ronen Igakkai Zasshi** 1990 May;27(3):314–8 (7 ref.) (Eng. Abstr.) **(Jpn)**

STANDARDS

The quality of care of the elderly. Reizenstein P. **Qual Assur Health Care** 1989;1(1):31–7 (18 ref.)

TRENDS

American Medical Association white paper on elderly health. Report of the Council on Scientific Affairs [published erratum appears in Arch Intern Med 1991;151(2):265] **Arch Intern Med** 1990 Dec;150(12):2459–72 (112 ref.)
Regionalization of psychiatric services for the elderly. Shulman KI. **Can J Psychiatry** 1991 Feb;36(1):3–8 (41 ref.)
Waiting for placement: an exploratory analysis of determinants of delayed discharges of elderly hospital patients. Falcone D, et al. **Health Serv Res** 1991 Aug; 26(3):339–74 (47 ref.)
Aging in the 1990s and beyond. Thompson PG. **Occup Med** 1990 Oct-Dec;5(4):807–16 (10 ref.)
The increasing number of very old people will change the Swedish model of the welfare state. Thorslund M. **Soc Sci Med** 1991;32(4):455–64 (45 ref.)
The changing elderly market. Jennings MC, et al. **Top Health Care Financ** 1991 Summer;17(4):1–8 (10 ref.)
[Welfare for the aged in Japan—current status and in the future] Takahashi M. **Nippon Ika Daigaku Zasshi** 1991 Apr; 58(2):160–4 (9 ref.) **(Jpn)**

HEALTH SERVICES, INDIGENOUS

The efficacy of ethnomedicine: research methods in trouble [see comments] Anderson R. **Med Anthropol** 1991 Jun; 13(1–2):1–17 (67 ref.) Comment in: Med Anthropol 1991 Jun;13(1–2):137–71.

HEALTH SERVICES MARKETING see **MARKETING OF HEALTH SERVICES**

HEALTH SERVICES MISUSE

STATISTICS & NUMERICAL DATA

High consumers of health care in emergency units: how to improve their quality of care. Hansagi H, et al. **Qual Assur Health Care** 1991;3(1):51–62 (36 ref.)

HEALTH SERVICES NEEDS AND DEMAND

Multidimensional assessment of elderly patients. Rubenstein LZ, et al. **Adv Intern Med** 1991;36:81–108 (83 ref.)
Health care in the developing world: need for appropriate laboratory technology [see comments] Heuck CC, et al. **Clin Chem** 1991 Apr;37(4):490–6 (20 ref.) Comment in: Clin Chem 1991 Apr;37(4):488–9.
A study to determine oral health needs of institutionalised elderly patients by non dental health care workers. Hoad-Reddick G. **Community Dent Oral Epidemiol** 1991 Aug;19(4):233–6 (20 ref.)
Applications and transfer of technology to the nations of the South. Biotechnology and the control of childhood enteric infections. Schoolnik GK. **Infect Dis Clin North Am** 1991 Jun;5(2):265–75 (11 ref.)
Measurement of oral status and treatment need among subjects with dental prostheses: are the measures less reliable than the prostheses? Part II: Treatment need in removable prosthodontics. Gordon SR. **J Prosthet Dent** 1991 Jun;65(6):801–3 (22 ref.)
Diabetes care in minority groups. Overcoming barriers to meet these patients' special needs. Davidson JA. **Postgrad Med** 1991 Aug;90(2):153–4, 157–68 (14 ref.)
The role of public values in setting health care priorities. Hadorn DC. **Soc Sci Med** 1991;32(7):773–81 (48 ref.)

ECONOMICS

Why doctors do what they do: determinants of physician behavior. Harris JS. **J Occup Med** 1990 Dec;32(12):1207–20 (111 ref.)

STATISTICS & NUMERICAL DATA

Factors influencing the assessment of treatment needs. Gjermo P. **J Clin Periodontol** 1991 Jul;18(6):358–61 (44 ref.)
Measurement of oral status and treatment need among subjects with dental prostheses: are the measures less reliable than the prostheses? Part I: Oral status in removable prosthodontics. Gordon SR. **J Prosthet Dent** 1991 May; 65(5):664–8 (45 ref.)
Nutrition and health services needs among the homeless. Wiecha JL, et al. **Public Health Rep** 1991 Jul-Aug; 106(4):364–74 (60 ref.)

TRENDS

Child psychiatry in developing countries. Nikapota AD. **Br J Psychiatry** 1991 Jun;158:743–51 (70 ref.)
Community dialogues on ethical issues of health care for the disabled. Slater RJ. **J Am Paraplegia Soc** 1990 Jul; 13(3):48–52 (14 ref.)
The relationship between existing residential services and the needs of autistic adults. Van Bourgondien ME, et al. **J Autism Dev Disord** 1990 Sep;20(3):299–308 (18 ref.)
The changing elderly market. Jennings MC, et al. **Top Health Care Financ** 1991 Summer;17(4):1–8 (10 ref.)

HEALTH SERVICES RESEARCH

Study design in prehospital trauma advanced life support-basic life support research: a critical review. Jones SE, et al. **Ann Emerg Med** 1991 Aug;20(8):857–60 (23 ref.)
The role of clinical epidemiology in establishing essential national health research capabilities in developing countries. Morrow RH Jr, et al. **Infect Dis Clin North Am** 1991 Jun;5(2):235–46 (23 ref.)
The cost and value of second surgical opinion programs: a critical review of the literature. Lindsey PA, et al. **J Health Polit Policy Law** 1990 Fall;15(3):543–70 (34 ref.)
Practice guidelines: best hope for quality improvement in the 1990s. Chassin MR. **J Occup Med** 1990 Dec; 32(12):1199–206 (43 ref.)
Maternal and child oral health issues: research. Weintraub JA. **J Public Health Dent** 1990;50(6 Spec No):447–55 (38 ref.)
Toward a health services research capacity in spinal cord injury. DeJong G, et al. **Paraplegia** 1991 Jul;29(6):373–89 (30 ref.)
Trends in maternal and child health care: implications for research and issues for social work practice. Carlton TO, et al. **Soc Work Health Care** 1990;15(1):45–62 (37 ref.)
Multiple imputation in health-care databases: an overview and some applications. Rubin DB, et al. **Stat Med** 1991 Apr;10(4):585–98 (26 ref.)
Early postpartum discharge programs in the United States: a literature review and critique. Beck CT. **Women Health** 1991;17(1):125–38 (13 ref.)

METHODS

Acute respiratory infections in children: future directions and priorities in research. Miller DL. **Bull Int Union Tuberc Lung Dis** 1990 Dec;65(4):12–8 (49 ref.)
Measuring the quality of care for the cancer patient. Marder RJ. **Cancer** 1991 Mar 15;67(6 Suppl):1753–8 (22 ref.)
Health care economics and policy. Lubeck DP. **Curr Opin Rheumatol** 1991 Apr;3(2):286–90 (18 ref.)
On the (near) equivalence of cost-effectiveness and cost-benefit analyses. Phelps CE, et al. **Int J Technol Assess Health Care** 1991;7(1):12–21 (9 ref.)
Geriatric evaluation and management units: experimental methods for evaluating efficacy. Feussner JR. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):19S–24S (17 ref.)
Working group recommendations: methods for geriatric evaluation and management research. Feussner JR, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):45S–47S (0 ref.)
Working group recommendations: research on content and efficacy of geriatric evaluation and management interventions. Jahnigen DW, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):42S–44S (2 ref.)
Research strategies for geriatric evaluation and management: conference summary and recommendations. Kramer A, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):53S–57S (8 ref.)
Working group recommendations: targeting criteria for geriatric evaluation and management research. Rubenstein LZ, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):37S–41S (4 ref.)
Patient characteristics in SUPPORT: disease specific clinical data. Phillips RS, et al. **J Clin Epidemiol** 1990;43 Suppl:41S–45S (61 ref.)
Assessing quality of life and preferences in the seriously ill using utility theory. Tsevat J, et al. **J Clin Epidemiol** 1990; 43 Suppl:73S–77S (70 ref.)
Evaluation of the costs and benefits of reducing hospital infection. Drummond MF, et al. **J Hosp Infect** 1991 Jun; 18 Suppl A:85–93 (19 ref.)
Approaches to the measurement of effectiveness and efficiency in medical care: the use by employers of community-wide population-based patterns of care. Caper P. **J Occup Med** 1990 Dec;32(12):1191–8 (16 ref.)
Using mortality data for profiling hospital quality of care and targeting substandard care. Hannan EL. **J Soc Health Syst** 1989 May;1(1):31–48 (17 ref.)
Innovative methodologies for research using databases. Moses LE. **Stat Med** 1991 Apr;10(4):629–33 (11 ref.)
Practice databases and their uses in clinical research. Tierney WM, et al. **Stat Med** 1991 Apr;10(4):541–57 (87 ref.)

ORGANIZATION & ADMINISTRATION

Patient Outcomes Research Teams and the Agency for Health Care Policy and Research. Salive ME, et al. **Health Serv Res** 1990 Dec;25(5):697–708 (42 ref.)
[The first results and objectives of the study of Lyme disease in the USSR] Korenberg EI, et al. **Vestn Akad Med Nauk SSSR** 1990;(6):52–7 (48 ref.) (Eng. Abstr.) **(Rus)**

STANDARDS

Ethical aspects of human experimentation in health services

research. Brett A, et al. **JAMA** 1991 Apr 10;265(14):1854–7 (18 ref.)

[Use of various bibliometric methods in operative evaluation of research activities of the research institutions of medico–biological profile] Karas' GA, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):61–5 (13 ref.) (Eng. Abstr.) **(Rus)**

TRENDS

The search for useful methodologies in occupational science. Carlson ME, et al. **Am J Occup Ther** 1991 Mar;45(3):235–41 (31 ref.)

Rigor in qualitative research: the assessment of trustworthiness. Krefting L. **Am J Occup Ther** 1991 Mar; 45(3):214–22 (22 ref.)

Geriatric evaluation and management: current status and future research directions. Applegate W, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):2S–7S (21 ref.)

Methodology in consultation–liaison research: a classification of biases. Levenson JL, et al. **Psychosomatics** 1990 Fall; 31(4):367–76 (54 ref.)

[Trends in the development of research in the field of liposomes (review of patent literature)] Nesytova NIu, et al. **Vestn Akad Med Nauk SSSR** 1990;(6):8–19 (213 ref.) (Eng. Abstr.) **(Rus)**

[The most important results and prospective trends in scientific research in the field of clinical neurology 1988–1989 (review of the literature)] Vereshchagin NV, et al. **Zh Nevropatol Psikhiatr** 1990;90(11):131–6 (88 ref.) **(Rus)**

HEALTH SERVICES, WOMEN'S see **WOMEN'S HEALTH SERVICES**

HEALTH STATUS

Stress, coping, and health: models of interaction for Indian and native populations. Dinges NG, et al. **Am Indian Alsk Native Ment Health Res** 1988;1 MONO 1:8–55 discussion 56–64 (161 ref.)

Health and aging among American Indians: issues and challenges for the biobehavioral sciences. Manson SM, et al. **Am Indian Alsk Native Ment Health Res** 1988;1 MONO 1:160–200 discussion 201–10 (17 ref.)

The health status of Indian children: problems and prevention in early life. May PA. **Am Indian Alsk Native Ment Health Res** 1988;1 MONO 1:244–83 discussion 284–90 (270 ref.)

Alcoholism, alcohol abuse, and health in American Indians and Alaska Natives. Silk–Walker P, et al. **Am Indian Alsk Native Ment Health Res** 1988;1 MONO 1:65–83 discussion 84–93 (99 ref.)

Reproductive health: a global overview. Fathalla MF. **Ann N Y Acad Sci** 1991;626:1–10 (29 ref.)

Health in central Europe. Gutzwiller F. **Ann Nutr Metab** 1991;35 Suppl 1:64–8 (7 ref.)

Long–term prospective studies: the only solution? Kromhout D, et al. **Ann Nutr Metab** 1991;35 Suppl 1:93–7 (10 ref.)

Food patterns and health problems: health in southern Europe. Menotti A. **Ann Nutr Metab** 1991;35 Suppl 1:69–77 (15 ref.)

Health status in Finland and other Nordic countries with special reference to chronic non–communicable diseases. Tuomilehto J. **Ann Nutr Metab** 1991;35 Suppl 1:41–52 (35 ref.)

Nutritional consequences of vegetarianism. Dwyer JT. **Annu Rev Nutr** 1991;11:61–91 (135 ref.)

Depression, the immune system, and health and illness. Findings in search of meaning. Stein M, et al. **Arch Gen Psychiatry** 1991 Feb;48(2):171–7 (66 ref.)

n–3 fatty acids—health aspects. Wolfram G. **Bibl Nutr Dieta** 1990;(46):110–9 (50 ref.)

Associations of self–reported dental health and general health measures in the Rand Health Insurance Experiment. Dolan TA, et al. **Community Dent Oral Epidemiol** 1991 Feb; 19(1):1–8 (37 ref.)

Social support and social networks: their relationship to the successful and unsuccessful survival of elderly people in the community. An analysis of concepts and a review of the evidence. Bowling A. **Fam Pract** 1991 Mar;8(1):68–83 (141 ref.)

International health. Beyond the year 2000. Velji AM. **Infect Dis Clin North Am** 1991 Jun;5(2):417–28 (23 ref.)

Behavioural assessment of fetal health. Bocking AD, et al. **J Dev Physiol** 1991 Feb;15(2):113–20 (58 ref.)

Two decades of advancement in the assessment of fetal health. Parer JT. **J Dev Physiol** 1991 Feb;15(2):111–2 (0 ref.)

Use of Doppler technology in assessing fetal health. Ritchie JW. **J Dev Physiol** 1991 Feb;15(2):121–3 (22 ref.)

Social networks, health, and emotional well–being among the oldest old in London. Bowling A, et al. **J Gerontol** 1991 Jan;46(1):S20–32 (79 ref.)

Adolescent and elderly white male suicide trends: evidence of changing well–being? McCall PL. **J Gerontol** 1991 Jan; 46(1):S43–51 (41 ref.)

The impact of elder health, caregiver involvement, and global stress on two dimensions of caregiver burden. Miller B, et al. **J Gerontol** 1991 Jan;46(1):S9–19 (41 ref.)

Breast–feeding and health in the 1980s: a global epidemiologic review. Cunningham AS, et al. **J Pediatr** 1991 May;118(5):659–66 (99 ref.)

Measurement of oral status and treatment need among subjects with dental prostheses: are the measures less reliable than the prostheses? Part II: Treatment need in removable prosthodontics. Gordon SR. **J Prosthet Dent** 1991 Jun;65(6):801–3 (22 ref.)

Oral health status of women and children in the United States. Waldman HB. **J Public Health Dent** 1990;50(6 Spec No):379–89 (55 ref.)

Standards in maternal and child oral health. Wilson AA. **J Public Health Dent** 1990;50(6 Spec No):432–8 (26 ref.)

The Hispanic Health and Nutrition Examination Survey. **Nutr Rev** 1991 May;49(5):156–8 (7 ref.)

Childhood morbidity: comparisons, clusters, and trends. Starfield B. **Pediatrics** 1991 Sep;88(3):519–26 (32 ref.)

Ethnicity and the use of health services. Gillam S. **Postgrad Med J** 1990 Dec;66(782):989–93 (62 ref.)

Nutrition and health in China, 1949 to 1989. Kantha SS. **Prog Food Nutr Sci** 1990;14(2–3):93–137 (226 ref.)

Quality of life/subjective symptoms during beta–blocker treatment. Dahlöf C. **Scand J Prim Health Care** 1990;Suppl 1:73–80 (65 ref.)

The SSA–profile, an instrument for assessment of subjective symptoms among hypertensives. Dimenäs E. **Scand J Prim Health Care** 1990;Suppl 1:27–30 (25 ref.)

Defining quality of life in medicine. Dimenäs ES, et al. **Scand J Prim Health Care** 1990;Suppl 1:7–10 (41 ref.)

Questionnaire for the Assessment of Symptoms and Psychological Effects in Cardiovascular Therapy (the ASPECT Scale). Jern S. **Scand J Prim Health Care** 1990; Suppl 1:31–2 (4 ref.)

Measuring quality of life in medicine. Wiklund I. **Scand J Prim Health Care** 1990;Suppl 1:11–4 (41 ref.)

The Nottingham Health Profile—a measure of health–related quality of life. Wiklund I. **Scand J Prim Health Care** 1990; Suppl 1:15–8 (31 ref.)

State violence and health in Nigeria. Alubo SO. **Soc Sci Med** 1990;31(10):1075–84 (81 ref.)

Contextual variations in the meaning of health inequality. Illsley R, et al. **Soc Sci Med** 1991;32(4):359–65 (15 ref.)

Inequality in health—some theoretical and empirical problems. Vågerö D. **Soc Sci Med** 1991;32(4):367–71 (29 ref.)

Rethinking the health selection explanation for health inequalities. West P. **Soc Sci Med** 1991;32(4):373–84 (60 ref.)

Health effects of recreational running in women. Some epidemiological and preventive aspects. Marti B. **Sports Med** 1991 Jan;11(1):20–51 (238 ref.)

The nutrition and health impact of cash cropping in west Africa: a historical perspective. Brun TA. **World Rev Nutr Diet** 1991;65:124–62 (39 ref.)

The impact of agricultural projects on food, nutrition and health. Brun TA, et al. **World Rev Nutr Diet** 1991;65:99–123 (31 ref.)

Polyunsaturated fatty acids and the health of the elderly. Rudman D, et al. **World Rev Nutr Diet** 1991;66:143–60 (79 ref.)

[Are health and disease equally distributed among children?] Mortensen JT, et al. **Ugeskr Laeger** 1991 May 6; 153(19):1333–6 (30 ref.) (Eng. Abstr.) **(Dan)**

[Sociocultural factors implicated in the establishment of therapeutic protocols and their consequences for the individual] Bergner M. **Journ Annu Diabetol Hotel Dieu** 1991;:241–51 (17 ref.) **(Fre)**

[Educational diagnosis and evaluation of educational strategies (PRECEDE Model): practical methodology for inducing changes in behavior and health status] Green LW, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:227–40 (76 ref.) **(Fre)**

[Physiological characteristics of the health status of workers performing physical labor] Malomsoki J, et al. **Orv Hetil** 1991 Jun 9;132(23):1257–63 (47 ref.) (Eng. Abstr.) **(Hun)**

["Tellus", the Earth as a patient: global health status—a diagnostic approach] Wathne KO. **Tidsskr Nor Laegeforen** 1991 Apr 10;111(9):1114–8 (22 ref.) (Eng. Abstr.) **(Nor)**

[Socio–sanitary aspects and health of the preschool population] García Caballero C, et al. **An Esp Pediatr** 1990 Dec;33(6):555–62 (38 ref.) **(Spa)**

[Are we well informed about the health status of adolescents?] Gascón Pérez E, et al. **An Esp Pediatr** 1990 Jun;32(6):538–41 (20 ref.) **(Spa)**

[The nutritional and health status of the Latin American woman] Figueroa ML, et al. **Arch Latinoam Nutr** 1988 Sep; 38(3):705–22 (63 ref.) (Eng. Abstr.) **(Spa)**

HEALTH STATUS INDEX see **HEALTH STATUS INDICATORS**

HEALTH STATUS INDICATORS

Health outcome assessments in medicine: history, applications, and new directions. Kazis LE. **Adv Intern Med** 1991;36:109–30 (92 ref.)

Validation of oral status indicators. Jakobsen JR, et al. **Community Dent Health** 1990 Sep;7(3):279–84 (15 ref.)

Associations of self–reported dental health and general health measures in the Rand Health Insurance Experiment. Dolan TA, et al. **Community Dent Oral Epidemiol** 1991 Feb; 19(1):1–8 (37 ref.)

Methodology issues in risk assessment for radon. Harley NH. **Environ Health Perspect** 1991 Jan;90:177–80 (16 ref.)

Use of biological markers and pharmacokinetics in human health risk assessment. Hattis D. **Environ Health Perspect** 1991 Jan;90:229–38 (55 ref.)

Statistical issues in risk assessment of reproductive outcomes with chemical mixtures. Hertzberg VS, et al. **Environ Health Perspect** 1991 Jan;90:171–5 (39 ref.)

Use of computerized test batteries for quantifying neurobehavioral outcomes. Letz R. **Environ Health Perspect** 1991 Jan;90:195–8 (25 ref.)

Selection of reproductive health end points for environmental risk assessment. Savitz DA, et al. **Environ Health Perspect** 1991 Jan;90:159–64 (34 ref.)

Validation of biological markers for quantitative risk assessment. Schulte P, et al. **Environ Health Perspect** 1991 Jan;90:239–46 (43 ref.)

Advances in early fetal loss research: importance for risk assessment. Sweeney AM, et al. **Environ Health Perspect** 1991 Jan;90:165–9 (19 ref.)

Measurement of oral status and treatment need among subjects with dental prostheses: are the measures less reliable than the prostheses? Part I: Oral status in removable prosthodontics. Gordon SR. **J Prosthet Dent** 1991 May; 65(5):664–8 (45 ref.)

Role of epidemiology in health risk assessment. Krewski D, et al. **Recent Results Cancer Res** 1990;120:1–24 (101 ref.)

HEALTH SURVEYS

AIDS survey methodology with black Americans. Mays VM, et al. **Soc Sci Med** 1991;33(1):47–54 (45 ref.)

Symptom sensitivity and sex differences in physical morbidity: a review of health surveys in the United States and The Netherlands. Gijsbers van Wijk CM, et al. **Women Health** 1991;17(1):91–124 (58 ref.)

[Frequency of infections in intensive care units: an incidence survey] Godard J, et al. **Agressologie** 1990;31(8 Spec No):529–31 (15 ref.) (Eng. Abstr.) **(Fre)**

[Psoriasis: development and fatal complications] Roth PE, et al. **Ann Dermatol Venereol** 1991;118(2):97–105 (57 ref.) (Eng. Abstr.) **(Fre)**

[Anesthetics responsible for anaphylactic shock. A French multicenter study] Laxenaire MC, et al. **Ann Fr Anesth Reanim** 1990;9(6):501–6 (21 ref.) (Eng. Abstr.) **(Fre)**

[Evaluation of mortality caused by ischemic heart disease in Haute–Garonne] Ruidavets JB, et al. **Arch Mal Coeur** 1990 Dec;83(14):2103–9 (17 ref.) (Eng. Abstr.) **(Fre)**

[Surveys on access to health care in Africa. Methodological problems] Fassin D, et al. **Rev Epidemiol Sante Publique** 1991;39(1):89–99 (28 ref.) **(Fre)**

[Life style, environment and childhood diseases] Ballabriga A. **An Esp Pediatr** 1990 Nov;33 Suppl 42:1–19 (270 ref.) **(Spa)**

HEALTH VISITORS see **COMMUNITY HEALTH NURSING**

HEARING

see related
ACOUSTIC STIMULATION
AUDITORY PERCEPTION

Development of auditory coding in the central nervous system: implications for in utero hearing. Walsh EJ, et al. **Semin Perinatol** 1990 Aug;14(4):281–93 (55 ref.)

[The preservation of hearing in surgery for acoustic neurinoma] Arraez MA, et al. **Acta Otorrinolaringol Esp** 1991 May–Jun;42(3):201–4 (15 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

An introduction to the functional neurochemistry of the auditory system. Musiek FE, et al. **Ear Hear** 1990 Dec; 11(6):395–402 (46 ref.)

Measurement of sound. Hood LJ, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):233–51 (31 ref.)

[Surgery of the endolymphatic sac and preservation of hearing in endolymphatic hydrops] Akyildiz N, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991;112(2):153–7 (26 ref.) (Eng. Abstr.) **(Fre)**

[The development of the G. V. Gershuni's ideas on the temporal mechanisms of hearing] Bibikov NG. **Zh Evol Biokhim Fiziol** 1990 Nov–Dec;26(6):817–25 (36 ref.) **(Rus)**

HEARING AIDS

Use of hearing aids in infancy. Wood S, et al. **Arch Dis Child** 1990 Sep;65(9):919–20 (13 ref.)

Amplification as a remediation technique for children with normal peripheral hearing. Committee on Amplification for the Hearing Impaired American Speech–Language–Hearing Association. **ASHA** 1991 Jan; 33(1 Suppl 3):22–4 (21 ref.)

Vanderbilt/VA Hearing Aid conference 1990 consensus statement. Recommended components of a hearing aid selection procedure for adults. Hawkins DB, et al. **ASHA** 1991 Apr;33(4):37–8 (12 ref.)

Digital/programmable hearing aids—an eye towards the future. Staab WJ. **Br J Audiol** 1990 Aug;24(4):243–56 (29

ref.)
The development of an auditory function. Pollack D. **Otolaryngol Clin North Am** 1971 Jun;4(2):319–35 (14 ref.)
Hearing aid evaluation and fitting. Popelka GR, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):415–28 (6 ref.)
Aural rehabilitation. Tyler RS, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):429–45 (84 ref.)
Hearing aids for children. Upfold LJ. **Otolaryngol Clin North Am** 1971 Jun;4(2):411–21 (49 ref.)

HEARING DISORDERS

Prenatal and perinatal risks of hearing loss. Gerhardt KJ. **Semin Perinatol** 1990 Aug;14(4):299–304 (46 ref.)

CHEMICALLY INDUCED

Salicylate ototoxicity: review and synthesis. Boettcher FA, et al. **Am J Otolaryngol** 1991 Jan–Feb;12(1):33–47 (59 ref.)
Persisting neurotoxic consequences of solvent abuse: a developing animal model for toluene-induced neurotoxicity. Pryor GT. **NIDA Res Monogr** 1990; 101:156–66 (27 ref.)

CONGENITAL

Review of a high risk register for congenital or early-onset deafness. Gerber SE. **Br J Audiol** 1990 Oct;24(5):347–56 (79 ref.)
Congenital hearing impairment. Patterson ME, et al. **Otolaryngol Clin North Am** 1970 Jun;3(2):201–19 (7 ref.)

DIAGNOSIS

Otoacoustic emission tests in neonatal screening programmes. Kemp DT, et al. **Acta Otolaryngol Suppl (Stockh)** 1991; 482:73–84 (17 ref.)
Effectiveness and efficacy of early detection of hearing impairment in children. Ruben RJ. **Acta Otolaryngol Suppl (Stockh)** 1991;482:127–31; discussion 132–5 (16 ref.)
Complete evaluation of the child identified as a poor listener. Grundfast KM, et al. **Int J Pediatr Otorhinolaryngol** 1991 Feb;21(1):65–78 (23 ref.)
Good hearing-conservation program detects impairment and saves lives. Sataloff RT, et al. **Occup Health Saf** 1991 Apr; 60(4):46, 48–50 (20 ref.)
Pseudohypacusis. Rintelmann WF, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):381–90 (12 ref.)
[Periodic medical examination: update 1989. 3. Diagnostic examination of the problems of development and visual and hearing deficits in preschool age children. The Canadian Study Group on Periodic Medical Examination] **Union Med Can** 1990 Sep–Oct;119(5):248–53 (25 ref.) **(Fre)**
[Observations on documentation and recording of audiometry results] Kumpf W. **Laryngorhinootologie** 1991 Feb; 70(2):78–82 (13 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Old theme and new reflections: hearing impairment associated with endolymphatic hydrops. Horner KC. **Hear Res** 1991 Mar;52(1):147–56 (50 ref.)
Prenatal and perinatal risks of hearing loss. Gerhardt KJ. **Semin Perinatol** 1990 Aug;14(4):299–304 (46 ref.)
[Deafness and sarcoidosis] Moine A, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(7):469–73 (14 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Frequency specificity of the auditory brainstem response elicited by 1,000-Hz filtered clicks. Conijn EA, et al. **Audiology** 1990;29(4):181–95 (57 ref.)

PREVENTION & CONTROL

Hearing screening in children—state of the art(s). Haggard MP. **Arch Dis Child** 1990 Nov;65(11):1193–5 (16 ref.)
Infant hearing impairment screening. Risk factors and testing. Carzoli RP. **J Fla Med Assoc** 1991 Mar;78(3):163–7 (30 ref.)

REHABILITATION

Issues and strategies in the rehabilitation of hearing impaired persons. Danek MM. **Adv Clin Rehabil** 1990;3:148–66 (65 ref.)
The school-to-community transition of hearing-impaired persons with developmental disabilities. A review of the empirical literature. Davis C, et al. **Am Ann Deaf** 1990 Dec; 135(5):352–63 (106 ref.)
Digital/programmable hearing aids—an eye towards the future. Staab WJ. **Br J Audiol** 1990 Aug;24(4):243–56 (29 ref.)
Aural rehabilitation. Tyler RS, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):429–45 (84 ref.)

SURGERY

[The present status of surgery of deafness] Ennouri A, et al. **Tunis Med** 1991 Feb;69(2):93–8 (0 ref.) **(Fre)**

THERAPY

Electrode placements for cochlear implants: a review. Rosen S. **Br J Audiol** 1990 Dec;24(6):411–8 (49 ref.)

HEARING LOSS, BILATERAL

CONGENITAL

New concepts in congenital deafness. Bergstrom L, et al. **Otolaryngol Clin North Am** 1971 Jun;4(2):431–43 (74 ref.)

HEARING LOSS, CENTRAL

PREVENTION & CONTROL

The role of corticosteroids in infants and children with bacterial meningitis. Bahal N, et al. **DICP** 1991 May; 25(5):542–5 (23 ref.)

HEARING LOSS, CONDUCTIVE

HISTORY

[What do we know about Ludwig van Beethoven's deafness?] Latkowski B, et al. **Otolaryngol Pol** 1991;45(1):80–3 (6 ref.) (Eng. Abstr.) **(Pol)**

SURGERY

[Improvement of hearing function through ear reoperation. The role of tympanic revision for functional indications] Hildmann H. **HNO** 1991 Feb;39(2):43–7 (17 ref.) (Eng. Abstr.) **(Ger)**

HEARING LOSS, EXTREME see **DEAFNESS**

HEARING LOSS, NOISE-INDUCED

Environmental noise and fetal hearing [published erratum appears in J Tenn Med Assoc 1991 Mar;84(3):146] Thurston FE, et al. **J Tenn Med Assoc** 1991 Jan;84(1):9–12 (24 ref.)

ECONOMICS

Hearing compensation evaluation. Melnick W, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):391–402 (15 ref.)

ETIOLOGY

Hearing loss in musicians. Sataloff RT. **Am J Otol** 1991 Mar; 12(2):122–7 (29 ref.)

PHYSIOPATHOLOGY

Recent studies of temporary threshold shift (TTS) and permanent threshold shift (PTS) in animals. Clark WW. **J Acoust Soc Am** 1991 Jul;90(1):155–63 (65 ref.)
Noise exposure from leisure activities: a review. Clark WW. **J Acoust Soc Am** 1991 Jul;90(1):175–81 (54 ref.)
Modeling the interactions between noise exposure and other variables. Humes LE, et al. **J Acoust Soc Am** 1991 Jul; 90(1):182–8 (21 ref.)
Field studies: industrial exposures. Johnson DL. **J Acoust Soc Am** 1991 Jul;90(1):170–4 (22 ref.)
Human temporary threshold shift (TTS) and damage risk. Melnick W. **J Acoust Soc Am** 1991 Jul;90(1):147–54 (35 ref.)
Effects of peak pressure and energy of impulses. Patterson JH Jr. **J Acoust Soc Am** 1991 Jul;90(1):205–8 (12 ref.)
The structural and functional consequences of acoustic injury in the cochlea and peripheral auditory system: a five year update. Saunders JC, et al. **J Acoust Soc Am** 1991 Jul; 90(1):136–46 (90 ref.)

PREVENTION & CONTROL

Occupational hearing conservation. Osguthorpe JD, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):403–14 (26 ref.)

HEARING LOSS, PARTIAL

DIAGNOSIS

Identification and management of children with minimal hearing loss. Tharpe AM, et al. **Int J Pediatr Otorhinolaryngol** 1991 Feb;21(1):41–50 (51 ref.)

ETIOLOGY

Delayed hearing loss after neurovascular decompression. McDonnell DE, et al. **Neurosurgery** 1990 Dec; 27(6):997–1003 (33 ref.)
Guinea pig model of congenital CMV-induced hearing loss: a review. Woolf NK. **Transplant Proc** 1991 Jun;23(3 Suppl 3):32–4, discussion 34 (16 ref.)

PHYSIOPATHOLOGY

Absence of both auditory evoked potentials and auditory percepts dependent on timing cues. Starr A, et al. **Brain** 1991 Jun;114 (Pt 3):1157–80 (64 ref.)

THERAPY

Identification and management of children with minimal hearing loss. Tharpe AM, et al. **Int J Pediatr Otorhinolaryngol** 1991 Feb;21(1):41–50 (51 ref.)

HEARING LOSS, SENSORINEURAL

COMPLICATIONS

[A case of facioscapulohumeral muscular dystrophy with infantile spasms, sensorineural deafness and retinal vessel abnormality] Akiyama C, et al. **No To Hattatsu** 1991 Jul; 23(4):395–9 (13 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Vestibular testing in hearing loss. Marsh MA, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):447–71 (57 ref.)

ETIOLOGY

Hearing loss in musicians. Sataloff RT. **Am J Otol** 1991 Mar; 12(2):122–7 (29 ref.)
Stapes surgery in osteogenesis imperfecta: analysis of postoperative hearing loss. Garretsen TJ, et al. **Ann Otol Rhinol Laryngol** 1991 Feb;100(2):120–30 (45 ref.)
The temporal bone: imaging considerations. Swartz JD. **Crit Rev Diagn Imaging** 1990;30(4):341–417 (68 ref.)
[Basic and clinical study of autoimmune inner ear disease. Review of literature] Gu ZY. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1991;26(2):105–7 (30 ref.) **(Chi)**
[Acute hearing loss in the contralateral ear after acoustic tumor removal] Harada K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1990 Nov;93(11):1864–8 (12 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

Multiple defects of the mitochondrial respiratory chain in a mitochondrial encephalopathy (MERRF): a clinical, biochemical and molecular study. Bindoff LA, et al. **J Neurol Sci** 1991 Mar;102(1):17–24 (48 ref.)

SURGERY

[Improvement of hearing function through ear reoperation. The role of tympanic revision for functional indications] Hildmann H. **HNO** 1991 Feb;39(2):43–7 (17 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Use of hearing aids in infancy. Wood S, et al. **Arch Dis Child** 1990 Sep;65(9):919–20 (13 ref.)
Cochlear implants: some consensus at last? Rosen S. **Br J Audiol** 1990 Dec;24(6):361–70; discussion 370–3 (5 ref.)

HEARING PROTECTIVE DEVICES see **EAR PROTECTIVE DEVICES**

HEARING TESTS

Basic hearing tests. Dennis JM, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):253–76 (69 ref.)

METHODS

Otoacoustic emission tests in neonatal screening programmes. Kemp DT, et al. **Acta Otolaryngol Suppl (Stockh)** 1991; 482:73–84 (17 ref.)
Fundamental issues in self-assessment of hearing. Schow RL, et al. **Ear Hear** 1990 Oct;11(5 Suppl):6S–16S (89 ref.)

HEART

see related
ANGIOCARDIOGRAPHY
ELECTROCARDIOGRAPHY

Heart-to-heart. New approaches for gene transfer in the myocardium [editorial; comment] O'Brien TX, et al. **Circulation** 1991 Jun;83(6):2133–6 (40 ref.) Comment on: Circulation 1991 Jun;83(6):2007–11.
Basic principles of cardioplegic management in donor heart preservation. Havel M, et al. **Clin Ther** 1991 Mar–Apr; 13(2):289–303 (90 ref.)
Industrial nail gun injuries. Schor JS, et al. **South Med J** 1991 Jul;84(7):922–3 (10 ref.)

ANATOMY & HISTOLOGY

Morphological studies of the cardiac lymphatic system. Shimada T, et al. **Arch Histol Cytol** 1990;53 Suppl:115–26 (35 ref.)
[Lymphatic system of the heart. A little known field] Verginelli G. **Arq Bras Cardiol** 1990 Feb;54(2):85–7 (31 ref.) **(Por)**

DRUG EFFECTS

Effects of anesthetics on the coronary circulation. De Hert S, et al. **Acta Anaesthesiol Belg** 1990;41(4):327–43 (95 ref.)
Direct and indirect regulation of cardiac L-type calcium channels by beta-adrenoreceptor agonists. Trautwein W, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:45–50 (14 ref.)
Cardiovascular effects of milrinone. Colucci WS. **Am Heart J** 1991 Jun;121(6 (Pt 2)):1945–7 (8 ref.)
Cardiovascular effects of iodinated contrast agents. Hirshfeld JW Jr. **Am J Cardiol** 1990 Oct 26;66(14):9F–17F (44 ref.)
Cardiovascular pharmacology of adrenergic and

dopaminergic receptors: therapeutic significance in congestive heart failure. Lokhandwala MF, et al. **Am J Med** 1991 May 29;90(5B):2S–9S (90 ref.)

Clinical electrophysiologic effects of flecainide acetate. Mehta D, et al. **Cardiovasc Drugs Ther** 1988 Mar; 1(6):599–603 (39 ref.)

Effect of a bradycardic agent on the isolated blood–perfused canine heart. Schipke JD, et al. **Cardiovasc Drugs Ther** 1991 Apr;5(2):481–8 (40 ref.)

Cardiac effects of angiotensin converting enzyme inhibitors. Sharpe N. **Cardiovasc Drugs Ther** 1990 Feb;4(1):243–5 (41 ref.)

Cardioprotective potential of angiotensin–converting enzyme inhibitors. Gavras I, et al. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV68–71; discussion IV83–90 (33 ref.)

Cardioprotective effects of ACE inhibitors: experimental proof and clinical perspectives. Schölkens BA, et al. **Clin Physiol Biochem** 1990;8 Suppl 1:33–43 (31 ref.)

Cardiac dysfunction in athletes receiving anabolic steroids. Lorimer DA, et al. **DICP** 1990 Nov;24(11):1060–1 (14 ref.)

Doxorubicin cardiotoxicity: analysis of prevailing hypotheses. Olson RD, et al. **FASEB J** 1990 Oct; 4(13):3076–86 (50 ref.)

Biochemical assessment of cardiac function and damage in animal species. A review of the current approach of the academic, governmental and industrial institutions represented by the Animal Clinical Chemistry Association. Evans GO. **J Appl Toxicol** 1991 Feb;11(1):15–21 (75 ref.)

Antihypertensive drugs and cardiac trophic mechanisms. Leenen FH, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S50–7 (57 ref.)

ACE inhibitors and the heart: hypertrophy reversal and antiarrhythmic effects. Jones JV, et al. **J Hum Hypertens** 1990 Oct;4 Suppl 4:23–6; discussion 26–7 (27 ref.)

Antimyosin cardiac imaging: will it play a role in the detection of doxorubicin cardiotoxicity? [editorial; comment] Jain D, et al. **J Nucl Med** 1990 Dec; 31(12):1970–4 (26 ref.) Comment on: J Nucl Med 1990 Dec;31(12):1965–9.

Digitalis sensitivity of Na+,K(+)-ATPase, myocytes and the heart. Akera T, et al. **Life Sci** 1991;48(2):97–106 (39 ref.)

Cardiovascular and biological effects of K+ channel openers, a class of drugs with vasorelaxant and cardioprotective properties. Richer C, et al. **Life Sci** 1990;47(19):1693–705 (60 ref.)

A role for cyclic GMP in the initiation of cardiac pressor reflexes by bradykinin and capsaicin. Woolley G, et al. **Pol J Pharmacol Pharm** 1990 May–Jun;42(3):249–57 (22 ref.)

Action of drugs in the denervated heart. Farrell TG, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):279–89 (50 ref.)

Use of the isolated perfused heart for evaluation of cardiac toxicity. Anderson PG, et al. **Toxicol Pathol** 1990;18(4 Pt 1):497–510 (42 ref.)

Toxic mechanisms of the heart: a review. Combs AB, et al. **Toxicol Pathol** 1990;18(4 Pt 1):583–96 (184 ref.)

5–Hydroxytryptamine: a chameleon in the heart. Saxena PR, et al. **Trends Pharmacol Sci** 1991 Jun;12(6):223–7 (46 ref.)

[The cardiac toxicity of antidepressive thymoleptics. Experimental and clinical studies] Marino A, et al. **Clin Ter** 1990 Dec 15;135(5):333–46 (69 ref.) (Eng. Abstr.) **(Ita)**

[Coffee and the heart] Rezler J. **Kardiol Pol** 1990; 33(9–10):36–43 (32 ref.) **(Pol)**

[Effects of radiotherapy and chemotherapy on the heart and pericardium in patients with lymphogranulomatosis] Cheban OI, et al. **Kardiologiia** 1991 Feb;31(2):75–8 (79 ref.) **(Rus)**

EMBRYOLOGY

Autonomous expression of the differentiation programs of cells in the cardiac and skeletal myogenic lineages. Holtzer H, et al. **Ann N Y Acad Sci** 1990;599:158–69 (20 ref.)

Optical studies of early developing cardiac and neural activities using voltage–sensitive dyes. Kamino K. **Jpn J Physiol** 1990;40(4):443–61 (62 ref.)

Optical approaches to ontogeny of electrical activity and related functional organization during early heart development. Kamino K. **Physiol Rev** 1991 Jan;71(1):53–91 (370 ref.)

Use of embryonic heart grafted in oculo to assess neurohumoral controls of cardiac development. Tucker DC, et al. **Toxicol Pathol** 1990;18(4 Pt 1):531–40 (41 ref.)

GROWTH & DEVELOPMENT

Pre– and postnatal development and ageing of the heart. Ultrastructural results and quantitative data. David H, et al. **Exp Pathol Suppl** 1981;7:1–176 (393 ref.)

Changes in gene expression during cardiac growth. Lompré AM, et al. **Int Rev Cytol** 1991;124:137–86 (266 ref.)

Ontogenesis of transmembrane signaling systems for control of cardiac Ca2+ channels. Kojima M, et al. **J Dev Physiol** 1990 Oct;14(4):181–219 (236 ref.)

INNERVATION

Significance of experimental models in assessing the link between myocardial ischemia and pain. Malliani A. **Adv Cardiol** 1990;37:126–41 (36 ref.)

Cardiovascular reflexes from cardiac sensory receptors. Ludbrook J. **Aust N Z J Med** 1990 Aug;20(4):597–606 (82 ref.)

Cardiocardiac excitatory reflexes during myocardial ischemia. Malliani A. **Basic Res Cardiol** 1990;85 Suppl 1:243–52 (36 ref.)

Topical organization of the cardiac sympathetic nervous system. Thomas JX Jr, et al. **Basic Res Cardiol** 1990;85 Suppl 1:3–8 (39 ref.)

Cardiac sympathetic innervation and the prevention of sudden death. Schwartz PJ. **Cardiologia** 1990 Jan;35(1 Suppl):51–4 (42 ref.)

Inferring vagal effects on the heart from changes in cardiac cycle length: implications for cycle time–dependency. Velden M, et al. **Int J Psychophysiol** 1990 Nov;10(1):85–93 (21 ref.)

Cardiac parasympathetic innervation in Chagas' heart disease. Davila DF, et al. **Med Hypotheses** 1991 Jun;35(2):80–4 (50 ref.)

Cardiac nociceptive reflexes: role of kinins, prostanoids and capsaicin–sensitive afferents. Staszewska–Woolley J, et al. **Pol J Pharmacol Pharm** 1990 May–Jun;42(3):237–47 (39 ref.)

Neural and endocrine peptides in the transplanted heart. Wharton J, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul; 2(3):250–8 (66 ref.)

Influence of opiate systems in pain transmission during angina pectoris. Droste C. **Z Kardiol** 1990;79 Suppl 3:31–43 (181 ref.)

[Disorders of heart function and rhythm in central nervous system processes] Klossek H, et al. **Psychiatr Neurol Med Psychol Beih** 1990;43:12–8 (91 ref.) **(Ger)**

[Detection of spontaneous heart rate fluctuations] Lange V. **Psychiatr Neurol Med Psychol Beih** 1990;43:64–73 (31 ref.) **(Ger)**

MICROBIOLOGY

Toward understanding the pathogenesis of enterovirus–induced cardiomyopathy: molecular and ultrastructural approaches. Hofschneider PH, et al. **J Struct Biol** 1990 Jul–Sep;104(1–3):32–7 (35 ref.)

PHYSIOLOGY

Comparative aspects of the endocrine myocardium. Aardal S, et al. **Acta Physiol Scand Suppl** 1991;599:31–46 (183 ref.)

Cardiac hormones and neuroendocrine function. Samson WK. **Adv Exp Med Biol** 1990;274:177–90 (98 ref.)

Chloride conductance pathways in heart. Hume JR, et al. **Am J Physiol** 1991 Sep;261(3 Pt 1):C399–412 (129 ref.)

Release of ATP from heart. Presentation of a release model using human erythrocyte. Forrester T. **Ann N Y Acad Sci** 1990;603:335–51; discussion 351–2 (55 ref.)

Role of inactivation in local anesthetic action. Khodorov BI. **Ann N Y Acad Sci** 1991;625:224–48 (67 ref.)

Autonomic interactions in cardiac control. Levy MN. **Ann N Y Acad Sci** 1990;601:209–21 (31 ref.)

Cardiac effects of adenosine and ATP. Pelleg A, et al. **Ann N Y Acad Sci** 1990;603:19–30 (95 ref.)

Beta–adrenergic receptor regulation in the heart in pathophysiologic states: abnormal adrenergic responsiveness in cardiac disease. Homcy CJ, et al. **Annu Rev Physiol** 1991;53:137–59 (130 ref.)

Growth factors, proto–oncogenes, and plasticity of the cardiac phenotype. Parker TG, et al. **Annu Rev Physiol** 1991;53:179–200 (140 ref.)

Transmural steal with isoproterenol and exercise in poststenotic myocardium. Gallagher KP. **Basic Res Cardiol** 1990;85 Suppl 1:145–55 (36 ref.)

Peptidergic vasodilator nerves in the peripheral circulation and in the vascular beds of the heart and brain. Owman C. **Blood Vessels** 1990;27(2–5):73–93 (148 ref.)

Calcium and the heart: an essential partnership. Ikonomidis JS, et al. **Can J Cardiol** 1990 Sep;6(7):305–16 (97 ref.)

The remodelling of skeletal muscle for indefatigable hemodynamic work. Odim JN, et al. **Can J Physiol Pharmacol** 1991 Feb;69(2):230–7 (29 ref.)

The effects of the pericardium on function of normal and enlarged hearts. Freeman GL. **Cardiol Clin** 1990 Nov; 8(4):579–86 (30 ref.)

Channel–mediated calcium current in the heart. Coetzee WA. **Cardiovasc Drugs Ther** 1988 Jan;1(5):447–59 (126 ref.)

Some aspects of heart beta adrenoceptor function. Kaumann AJ. **Cardiovasc Drugs Ther** 1991 Jun;5(3):549–60 (126 ref.)

The cardiac renin–angiotensin system. An appraisal of present experimental and clinical evidence. Lindpaintner K, et al. **Circ Res** 1991 Apr;68(4):905–21 (220 ref.)

Cardiac electrophysiology of adenosine. Basic and clinical concepts. Lerman BB, et al. **Circulation** 1991 May; 83(5):1499–509 (102 ref.)

Evaluation of systolic and diastolic heart function. Kovach JA, et al. **Curr Opin Radiol** 1991 Aug;3(4):539–45 (25 ref.)

Role of the Z band in the mechanical properties of the heart. Goldstein MA, et al. **FASEB J** 1991 May;5(8):2167–74 (50 ref.)

Cardiac mechanics and energetics—from Emax to PVA. Suga H. **Front Med Biol Eng** 1990;2(1):3–22 (86 ref.)

Intracellular ATP and cardiac membrane currents. Noma A, et al. **Ion Channels** 1988;1:183–212 (133 ref.)

Cardiac beta–adrenoceptors: regulation and new electrophysiological findings. Masini I, et al. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S117–21 (31 ref.)

The role of chemosensitive muscle receptors in cardiorespiratory regulation during exercise. Tallarida G, et al. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S155–61 (21 ref.)

Physiologic versus pathologic hypertrophy and the pressure–overloaded myocardium. Weber KT, et al. **J Cardiovasc Pharmacol** 1987;10 Suppl 6:S37–50 (100 ref.)

G proteins and calcium channels in myocardium. Fu LX, et al. **Life Sci** 1991;48(24):2291–5 (16 ref.)

Automatic adjustment of pacing parameters based on intracardiac impedance measurements. Schaldach M. **PACE** 1990 Dec;13(12 Pt 2):1702–10 (29 ref.)

Autologous skeletal muscle, an alternative for cardiac assistance. Ruggiero R, et al. **PACE Pacing Clin Electrophysiol** 1991 Mar;14(3):480–91 (38 ref.)

Myocardial plasticity and heart–chamber stability. Regen DM. **Perspect Biol Med** 1991 Winter;34(2):162–80 (30 ref.)

The isolated perfused heart according to Langendorff technique—function—application. Döring HJ. **Physiol Bohemoslov** 1990;39(6):481–504 (150 ref.)

Mechanical properties of isolated cardiac myocytes. Brady AJ. **Physiol Rev** 1991 Apr;71(2):413–28 (146 ref.)

Reflexes from the heart. Hainsworth R. **Physiol Rev** 1991 Jul;71(3):617–58 (391 ref.)

Skeletal muscle as a myocardial substitute. Anderson DR, et al. **Proc Soc Exp Biol Med** 1991 Jun;197(2):109–18 (44 ref.)

[Effects and adverse effects of mechanical ventilation on pulmonary, cardiac and circulatory functions] Peters J. **Klin Anasthesiol Intensivther** 1991;39:343–63 (53 ref.) **(Ger)**

[Physiological aspects of electrical fields of the heart] Ruttkay–Nedecký I. **Cesk Fysiol** 1990;39(4):293–305 (61 ref.) **(Slo)**

[The endocrine heart and gestational hypertension] Ayala AR. **Ginecol Obstet Mex** 1987 Aug;55:207–13 (21 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Circulatory abnormalities and compensatory mechanisms in heart failure. Burkart F, et al. **Am J Med** 1991 May 29; 90(5B):19S–22S (38 ref.)

Coupling between the heart and arterial system in heart failure. Sasayama S, et al. **Am J Med** 1991 May 29; 90(5B):14S–18S (13 ref.)

The heart in congestive failure. Katz AM. **Cardioscience** 1990 Mar;1(1):3–6 (34 ref.)

Cardiovascular dysfunction in septic shock. Snell RJ, et al. **Chest** 1991 Apr;99(4):1000–9 (50 ref.)

What a clinician needs to know about the mechanisms of action of antiarrhythmic drugs. Janse MJ. **Clin Cardiol** 1991 Jan;14(1):65–7 (5 ref.)

Mechanical heart–lung interaction in the adult respiratory distress syndrome. Biondi JW, et al. **Clin Chest Med** 1990 Dec;11(4):691–714 (227 ref.)

Regulation of myocardial oxygen delivery. Schremmer B, et al. **Intensive Care Med** 1990;16 Suppl 2:S157–63 (40 ref.)

Non–infarct Q wave. Turakhia DP. **J Assoc Physicians India** 1990 Nov;38(11):850–2 (12 ref.)

In vitro cardiac function in early sepsis. McDonough KH, et al. **J Med** 1990;21(1–2):27–49 (22 ref.)

[Triggered arrhythmias using the monophasic action potential technique] Xie JT, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):363–6 (17 ref.) **(Chi)**

[The noninvasive recording of late potentials for the determination of increased ventricular vulnerability] Weber K, et al. **Dtsch Med Wochenschr** 1991 Apr 26;116(17):665–9 (36 ref.) **(Ger)**

[Survival and functional results after valve replacement] Amano K. **Kokyu To Junkan** 1990 Oct;38(10):951–61 (50 ref.) **(Jpn)**

[Latent ischemic heart disease] Sterkowicz S. **Pol Tyg Lek** 1990 Mar 5–12;45(10–11):230–1 (18 ref.) **(Pol)**

RADIATION EFFECTS

[The reaction of the heart to radiation. II. Clinical studies] Adler K, et al. **Radiobiol Radiother (Berl)** 1990;31(6):465–75 (84 ref.) (Eng. Abstr.) **(Ger)**

[The reaction of the heart to radiation. I. State of the knowledge based on animal experimental studies] Adler K, et al. **Radiobiol Radiother (Berl)** 1990;31(4):301–12 (56 ref.) (Eng. Abstr.) **(Ger)**

[Effects of radiotherapy and chemotherapy on the heart and pericardium in patients with lymphogranulomatosis] Cheban OI, et al. **Kardiologiia** 1991 Feb;31(2):75–8 (79 ref.) **(Rus)**

RADIOGRAPHY

Selection of a contrast agent in the cardiac catheterization laboratory. Brinker JA. **Am J Cardiol** 1990 Oct 26; 66(14):26F–33F (99 ref.)

Effects of drugs on the radiographic appearance of the heart. Boxt LM, et al. **J Thorac Imaging** 1991 Jan;6(1):76–84 (61 ref.)

Fast computed tomography for quantitative cardiac analysis—state of the art and future perspectives. Ritman EL. **Mayo Clin Proc** 1990 Oct;65(10):1336–49 (71 ref.)

RADIONUCLIDE IMAGING

Dipyridamole thallium imaging. Beer SG, et al. **Am J Cardiol** 1991 May 21;67(14):18D–26D (83 ref.)
Experimental studies of the physiologic properties of technetium–99m isonitriles. Beller GA, et al. **Am J Cardiol** 1990 Oct 16;66(13):5E–8E (12 ref.)
Clinical experience with technetium–99m teboroxime, a neutral, lipophilic myocardial perfusion imaging agent. Johnson LL, et al. **Am J Cardiol** 1990 Oct 16; 66(13):63E–67E (13 ref.)
Myocardial perfusion imaging with technetium–99m–labeled agents. Maddahi J, et al. **Am J Cardiol** 1991 May 21; 67(14):27D–34D (59 ref.)
Myocardial perfusion imaging with technetium–99m sestamibi SPECT in the evaluation of coronary artery disease. Maddahi J, et al. **Am J Cardiol** 1990 Oct 16; 66(13):55E–62E (32 ref.)
Exercise thallium–201 perfusion scintigraphy in the assessment of coronary artery disease. Mahmarian JJ, et al. **Am J Cardiol** 1991 May 21;67(14):2D–11D (67 ref.)
Experimental studies of the physiologic properties of technetium–99m agents: myocardial transport of perfusion imaging agents. Meerdink DJ, et al. **Am J Cardiol** 1990 Oct 16;66(13):9E–15E (27 ref.)
Assessment of myocardial perfusion by positron emission tomography. Schwaiger M, et al. **Am J Cardiol** 1991 May 21;67(14):35D–43D (32 ref.)
Animal models in radiotracer design of a Tc–labelled myocardial perfusion imaging agent. Mousa SA. **Am J Physiol Imaging** 1991;6(1):16–25 (22 ref.)
Myocardial perfusion scintigraphy as an aid in understanding electrocardiographic changes of ischemia and infarction. Zaret BL, et al. **Ann N Y Acad Sci** 1990;601:107–18 (38 ref.)
The new 99mTc myocardial perfusion imaging agents: 99mTc–sestamibi and 99mTc–teboroxime. Berman DS, et al. **Circulation** 1991 Sep;84(3 Suppl):I7–21 (73 ref.)
Prognostic value of thallium–201 myocardial perfusion imaging. A diagnostic tool comes of age. Brown KA. **Circulation** 1991 Feb;83(2):363–81 (146 ref.)
Clinical cardiac positron emission tomography: state of the art. Gould KL. **Circulation** 1991 Sep;84(3 Suppl):I22–36 (89 ref.)
Antimyosin imaging in cardiac transplant rejection. Johnson LL, et al. **Circulation** 1991 Sep;84(3 Suppl):I273–9 (31 ref.)
Intravenous dipyridamole thallium–201 SPECT imaging methodology, applications, and interpretations. Rockett JF, et al. **Clin Nucl Med** 1990 Oct;15(10):712–25 (59 ref.)
Myocardial perfusion imaging. Grégoire J, et al. **Curr Opin Radiol** 1990 Dec;2(6):815–22 (22 ref.)
Nuclear cardiology: myocardial perfusion and function. Seldin DW. **Curr Opin Radiol** 1991 Aug;3(4):561–8 (41 ref.)
Infarct sizing by scintigraphic techniques and nuclear magnetic resonance imaging. van der Wall EE, et al. **Eur J Nucl Med** 1990;17(1–2):83–90 (63 ref.)
Role of single photon wall motion and perfusion studies in the evaluation of patients with suspected coronary artery disease. Yaoita H, et al. **Eur J Nucl Med** 1990;17(5):269–78 (98 ref.)
The clinical role of metabolic imaging of the heart by positron emission tomography. Schwaiger M, et al. **J Nucl Med** 1991 Apr;32(4):565–78 (101 ref.)
Cardiac blood–pool tracers [editorial; comment] Subramanian KM. **J Nucl Med** 1991 Mar;32(3):480–2 (12 ref.) Comment on: J Nucl Med 1991 Mar;32(3):475–80.
Radionuclide methods to evaluate percutaneous transluminal coronary angioplasty. DePuey EG. **Semin Nucl Med** 1991 Apr;21(2):102–15 (37 ref.)
[201Thallium reinjection after exertion–redistribution myocardial scintigraphy. A new method for distinguishing between scars and vital myocardium] Munz DL, et al. **Dtsch Med Wochenschr** 1991 Mar 8;116(10):361–6 (21 ref.) (Eng. Abstr.) **(Ger)**

HEART ABNORMALITIES see **HEART DEFECTS, CONGENITAL**

HEART ANEURYSM

Subepicardial aneurysm of the left ventricle: report of a case and review of the literature. Vossenberg F, et al. **Clin Cardiol** 1991 Feb;14(2):169–72 (9 ref.)
Giant intrapericardial aneurysm of the left atrial appendage. Frambach PJ, et al. **Eur Heart J** 1990 Sep;11(9):848–53 (35 ref.)

COMPLICATIONS

Cardiac tamponade due to rupture of a subepicardial aneurysm following myocardial infarction. Imakita M, et al. **Acta Pathol Jpn** 1991 Jan;41(1):52–8 (22 ref.)
Annular subaortic aneurysm resulting in sudden death. Normann SJ. **Clin Cardiol** 1991 Jan;14(1):68–72 (15 ref.)

EPIDEMIOLOGY

Four–year follow–up of a pseudoaneurysm of the mitral–aortic fibrosa. Meyerowitz CB, et al. **Am Heart J** 1991 Aug;122(2):589–92 (11 ref.)

PHYSIOPATHOLOGY

[Heart aneurysm: pathophysiology, complications and treatment] van Son JA, et al. **Ned Tijdschr Geneeskd** 1990 Oct 13;134(41):1985–90 (55 ref.) **(Dut)**

PREVENTION & CONTROL

[The prevention of infarct expansion] Pitscheider W, et al. **G Ital Cardiol** 1991 Jan;21(1):67–73 (52 ref.) **(Ita)**

SURGERY

Repair of posterior left ventricular aneurysm in a six–year–old boy. Grossi EA, et al. **Ann Thorac Surg** 1991 Mar;51(3):484–7 (31 ref.)

ULTRASONOGRAPHY

Prenatal diagnosis of fetal left ventricular aneurysm: a case report and review. Jacobson RL, et al. **Obstet Gynecol** 1991 Sep;78(3 (Pt 2)):525–8 (15 ref.)

HEART ARREST

Recommended guidelines for uniform reporting of data from out–of–hospital cardiac arrest: the Utstein Style. Task Force of the American Heart Association, the European Resuscitation Council, the Heart and Stroke Foundation of Canada, and the Australian Resuscitation Council [see comments] Cummins RO, et al. **Ann Emerg Med** 1991 Aug; 20(8):861–74 (90 ref.) Comment in: Ann Emerg Med 1991 Aug;20(8):918–9.
Recommended guidelines for uniform reporting of data from out–of–hospital cardiac arrest: the Utstein Style. A statement for health professionals from a task force of the American Heart Association, the European Resuscitation Council, the Heart and Stroke Foundation of Canada, and the Australian Resuscitation Council. Cummins RO, et al. **Circulation** 1991 Aug;84(2):960–75 (90 ref.)

CHEMICALLY INDUCED

Nitroglycerin–induced hypotension, bradycardia, and asystole: report of a case and review of the literature. Brandes W, et al. **Clin Cardiol** 1990 Oct;13(10):741–4 (18 ref.)
[QT prolongation and circulatory arrest after an injection of erythromycin in a newborn infant] Benoit A, et al. **Arch Fr Pediatr** 1991 Jan;48(1):39–41 (12 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

[Cardiopulmonary resuscitation: acid–base alterations and alkalizing therapy] Gazmuri RJ, et al. **Rev Med Chil** 1989 Mar;117(3):322–9 (40 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Epinephrine in cardiac arrest: a critical review. Paradis NA, et al. **Ann Emerg Med** 1990 Nov;19(11):1288–301 (166 ref.)

THERAPY

New developments in cardiopulmonary resuscitation. Grauer K, et al. **Am Fam Physician** 1991 Mar;43(3):832–44 (35 ref.)
Recommended guidelines for uniform reporting of data on out–of–hospital cardiac arrests: the "Utstein style" [editorial] Swanson RW. **Can Med Assoc J** 1991 Sep 1; 145(5):407–10 (0 ref.)
Improving survival from sudden cardiac arrest: the "chain of survival" concept. A statement for health professionals from the Advanced Cardiac Life Support Subcommittee and the Emergency Cardiac Care Committee, American Heart Association. Cummins RO, et al. **Circulation** 1991 May;83(5):1832–47 (170 ref.)
Current treatment of patients surviving out–of–hospital cardiac arrest. Brooks R, et al. **JAMA** 1991 Feb 13; 265(6):762–8 (115 ref.)
Direct mechanical ventricular actuation: a review. Anstadt MP, et al. **Resuscitation** 1991 Feb;21(1):7–23 (69 ref.)
[Cardiopulmonary resuscitation: from the sixties to the eighties] Bar–Joseph G. **Harefuah** 1990 Dec 2; 119(11):378–84 (68 ref.) **(Heb)**

HEART ARREST, INDUCED

see related
CARDIOPLEGIC SOLUTIONS

METHODS

Cardioplegia by way of the coronary sinus for valvular and coronary surgery. Menasche P, et al. **J Am Coll Cardiol** 1991 Aug;18(2):628–36 (52 ref.)
[Value of the association of blood cardioplegia and energetic warm reperfusion in cardiac transplantation] Pavie A, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):795–800 (19 ref.) (Eng. Abstr.) **(Fre)**

HEART, ARTIFICIAL

Patterns of bacterial infection in calves implanted with artificial hearts. Burns GL, et al. **ASAIO Trans** 1990 Jul–Sep;36(3):M138–40 (14 ref.)
Endothelialization of the luminal sac in artificial cardiac prostheses: a challenge for both biologists and engineers. Lelkes PI, et al. **J Biomech Eng** 1991 May;113(2):132–42 (94 ref.)
Mechanical circulatory support prior to cardiac transplantation. Pennington DG, et al. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):125–34 (40 ref.)
[The use of skeletal muscles for assisting the failing heart] Andersen J, et al. **Grud Serdechnososudistaia Khir** 1990 Aug;(8):36–42 (17 ref.) **(Rus)**
[Electric motors for partially autonomous and autonomous systems for assisted circulation and the artificial heart] Kiselev IuM, et al. **Med Tekh** 1990 Sep–Oct;(5):25–8 (12 ref.) (Eng. Abstr.) **(Rus)**

HEART–ASSIST DEVICES

Mechanical assist devices in intensive cardiac care. Miller LW. **Am Heart J** 1991 Jun;121(6 (Pt 1)):1887–92 (36 ref.)
Clinical choices for circulatory assist devices. Ott RA, et al. **ASAIO Trans** 1990 Oct–Dec;36(4):792–8 (33 ref.)
Percutaneous support devices for high risk or complicated coronary angioplasty. Lincoff AM, et al. **J Am Coll Cardiol** 1991 Mar 1;17(3):770–80 (85 ref.)
Mechanical and biological cardiac assist devices. Wolner E, et al. **J Cardiothorac Vasc Anesth** 1991 Aug;5(4):405–8 (27 ref.)
Mechanical left ventricular assist: progress and new horizons. Chiu RC, et al. **J Invest Surg** 1991;4(2):111–23 (65 ref.)
Direct mechanical ventricular actuation: a review. Anstadt MP, et al. **Resuscitation** 1991 Feb;21(1):7–23 (69 ref.)
Postcardiotomy mechanical support. Golding LA. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):29–32 (23 ref.)
Mechanical circulatory support prior to cardiac transplantation. Pennington DG, et al. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):125–34 (40 ref.)
[A case of extended myocardial infarction treated with the left ventricular assist device (LVAD) before and after the operation––the value and limitation of LVAD] Akamatsu H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Oct; 38(10):2122–7 (18 ref.) (Eng. Abstr.) **(Jpn)**
[The use of skeletal muscles for assisting the failing myocardium] Andersen JS, et al. **Grud Serdechnososudistaia Khir** 1990;(7):10–5 (58 ref.) **(Rus)**
[Electric motors for partially autonomous and autonomous systems for assisted circulation and the artificial heart] Kiselev IuM, et al. **Med Tekh** 1990 Sep–Oct;(5):25–8 (12 ref.) (Eng. Abstr.) **(Rus)**

HEART ATRIUM

Isolated right superior vena cava into the left atrium detected by contrast echocardiography. King RE, et al. **Am Heart J** 1991 Aug;122(2):583–6 (14 ref.)
Indwelling subclavian catheters and a visit with the "pinched–off sign". Lafreniere R. **J Surg Oncol** 1991 Aug; 47(4):261–4 (12 ref.)

INJURIES

[Successful emergency operation of a right atrial rupture due to a traffic accident] Takazawa A, et al. **Kyobu Geka** 1991 Jun;44(6):489–92 (10 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

[Fontan operation] Kurosawa H, et al. **Kyobu Geka** 1991 Jan; 44(1):100–4 (44 ref.) **(Jpn)**

HEART BLOCK

CHEMICALLY INDUCED

[A case of second–degree atrioventricular block caused by high dose cisplatin treatment] Tasaka T, et al. **Gan To Kagaku Ryoho** 1991 May;18(6):1047–50 (10 ref.) (Eng. Abstr.) **(Jpn)**
[Atrioventricular block caused by metoclopramide poisoning] Vidal Company A, et al. **An Esp Pediatr** 1991 Apr; 34(4):313–4 (17 ref.) **(Spa)**

CONGENITAL

[Holter monitoring, exercise test and atropine test in isolated congenital atrioventricular block in children] Chammas E, et al. **Arch Mal Coeur Vaiss** 1991 May;84(5):659–64 (19 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Perivalvular extension of infection in patients with infectious endocarditis. Carpenter JL. **Rev Infect Dis** 1991 Jan–Feb; 13(1):127–38 (56 ref.)
[Mycotic aneurysm of the sinus of Valsalva and complete atrioventricular block complicating infectious endocarditis with aortic regurgitation: a case report] Abe M, et al. **J Cardiol Suppl** 1991;25:187–94; discussion 195–6 (11 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Indications for and use of artificial cardiac pacemakers: Part I. Del Negro AA, et al. **Curr Probl Cardiol** 1978 Oct; 3(7):1–44 (49 ref.)

HEART CATHETERIZATION

Selection of a contrast agent in the cardiac catheterization

laboratory. Brinker JA. **Am J Cardiol** 1990 Oct 26; 66(14):26F–33F (99 ref.)

The cardiac catheterization laboratory—1990. Pepine CJ. **Am J Cardiol** 1990 Oct 26;66(14):37F–40F (4 ref.)

Hemodynamic monitoring: a technology assessment. Technology Subcommittee of the Working Group on Critical Care, Ontario Ministry of Health. **Can Med Assoc J** 1991 Jul 15;145(2):114–21 (50 ref.)

Catheter ablation. Present role and projected impact on health care for patients with cardiac arrhythmias. Scheinman MM. **Circulation** 1991 May;83(5):1489–98 (73 ref.)

Current role of catheter ablative procedures in patients with cardiac arrhythmias. A report for health professionals from the Subcommittee on Electrocardiography and Electrophysiology, American Heart Association. Scheinman MM, et al. **Circulation** 1991 Jun;83(6):2146–53 (58 ref.)

Doppler echocardiography versus cardiac catheterization in the evaluation of valvular heart disease: do we have a gold standard? Schwinger ME. **Clin Cardiol** 1991 May; 14(5):369–73 (53 ref.)

Outpatient left heart and coronary arteriography. The current practice at the University of Louisville School of Medicine. Talley JD, et al. **J Ky Med Assoc** 1990 Sep;88(9):488–93 (24 ref.)

Therapeutic cardiac catheterization in children [see comments] Waldman JD, et al. **West J Med** 1990 Sep; 153(3):288–95 (51 ref.) Comment in: West J Med 1990 Sep;153(3):325–6.

[Non-surgical repair of atrial septal defect by "buttoned" double disk device in children. First results in 3 children] Worms AM, et al. **Arch Mal Coeur Vaiss** 1991 May; 84(5):623–6 (9 ref.) (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

[An often ignored complication of left heart catheterization: embolism of cholesterol crystals. Report of 9 cases] Mycinski C, et al. **Arch Mal Coeur** 1990 Oct;83(11):1643–50 (30 ref.) (Eng. Abstr.) **(Fre)**

METHODS

Selection of radiocontrast media in cardiac catheterization: comparative physiology and clinical effects of nonionic monomeric and ionic dimeric formulations. Kern MJ. **Am Heart J** 1991 Jul;122(1 (Pt 1)):195–201 (39 ref.)

Quantitative coronary arteriographic methods in the interventional catheterization laboratory: an update and perspective. Mancini GB. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):23B–33B (57 ref.)

Intravascular ultrasound guidance for catheter-based coronary interventions. Yock PG, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):39B–45B (38 ref.)

HEART CONDUCTION SYSTEM

see related
ARRHYTHMIA

DRUG EFFECTS

Cardiac contractility and conduction: a comparison of antihypertensives. Greenberg B. **Am J Kidney Dis** 1990 Oct;16(4 Suppl 1):30–4 (19 ref.)

Halothane, catecholamines, and cardiac conduction: anything new? [editorial; comment] Bosnjak ZJ, et al. **Anesth Analg** 1991 Jan;72(1):1–4 (25 ref.) Comment on: Anesth Analg 1991 Jan;72(1):5–10. Comment on: Anesth Analg 1991 Jan;72(1):11–7.

In-vitro and in-vivo electrophysiologic effects of encainide. Libersa C, et al. **Cardiovasc Drugs Ther** 1990 Jun;4 Suppl 3:567–72 (6 ref.)

Controlling cardiac arrhythmias: to delay conduction or to prolong refractoriness. Singh BN. **Cardiovasc Drugs Ther** 1989 Oct;3(5):671–4 (14 ref.)

Action of drugs in the denervated heart. Farrell TG, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):279–89 (50 ref.)

[Arrhythmogenic effect of anti-arrhythmia drugs] Trusz-Gluza M. **Kardiol Pol** 1991;34(1):41–8 (35 ref.) **(Pol)**

PATHOLOGY

Pathologic changes of the cardiac conduction tissue in sudden unexpected death. A review. Cohle SD, et al. **Pathol Annu** 1991;26 Pt 2:33–57 (81 ref.)

PHYSIOLOGY

Cardiovascular neural regulation explored in the frequency domain. Malliani A, et al. **Circulation** 1991 Aug; 84(2):482–92 (107 ref.)

Method and theory of monophasic action potential recording. Franz MR. **Prog Cardiovasc Dis** 1991 May–Jun; 33(6):347–68 (70 ref.)

Human ventricular repolarization and T wave genesis. Franz MR, et al. **Prog Cardiovasc Dis** 1991 May–Jun;33(6):369–84 (99 ref.)

Monophasic action potentials in the diagnosis of triggered arrhythmias. Zipes DP. **Prog Cardiovasc Dis** 1991 May–Jun;33(6):385–96 (55 ref.)

Central neural regulation of heart and blood vessels in mammals. Calaresu FR, et al. **Prog Neurobiol** 1975; 5(1):1–35 (216 ref.)

[Subsidiary rhythmicity in the area of the coronary sinus] Eliška O, et al. **Cesk Fysiol** 1991;40(3):273–82 (65 ref.) **(Cze)**

[Electrophysiologic examination of the conduction system by an endocardial or transesophageal method?] Musial WJ. **Kardiol Pol** 1990 Mar;33(3):200–6 (36 ref.) **(Pol)**

PHYSIOPATHOLOGY

Electrophysiologic testing. Fisch C. **Adv Intern Med** 1991; 36:319–27 (33 ref.)

Excitation–contraction coupling in heart failure. Lakatta EG. **Hosp Pract (Off Ed)** 1991 Jul 15;26(7):85–8, 91–8 (7 ref.)

Alignment of myocardial cells and its role in the genesis of cardiac arrhythmias. Spach MS. **PACE** 1990 Nov;13(11 Pt 2):1535–40 (10 ref.)

[Pathological modifications of the P wave due to probable primary changes in intra-atrial conduction] Catalano F, et al. **Minerva Med** 1991 Apr;82(4):171–5 (16 ref.) (Eng. Abstr.) **(Ita)**

[Arrhythmia in acute myocardial ischemia] Tomaszewski R. **Wiad Lek** 1990 Oct 1–15;43(19–20):959–63 (28 ref.) **(Pol)**

[Recording late ventricular potentials during examination of patients with high risk of sudden death] Shushliapin OI, et al. **Kardiologiia** 1990 Nov;30(11):106–8 (31 ref.) **(Rus)**

SURGERY

Nonpharmacological therapy of supraventricular arrhythmias: surgery and catheter ablation techniques. Part II. Singer I, et al. **PACE** 1990 Sep;13(9):1173–83 (41 ref.)

Surgery for atrial fibrillation. Cox JL, et al. **Semin Thorac Cardiovasc Surg** 1989 Jul;1(1):67–73 (25 ref.)

Surgery for ischemic ventricular tachycardia—operative techniques and long-term results. Hargrove WC 3d. **Semin Thorac Cardiovasc Surg** 1989 Jul;1(1):83–7 (24 ref.)

Surgical management of chronic ectopic atrial tachycardia. Lowe JE, et al. **Semin Thorac Cardiovasc Surg** 1989 Jul; 1(1):58–66 (41 ref.)

[Interventional and induction cardioarrhythmology. Physical and surgical intervention] Lunati M, et al. **G Ital Cardiol** 1991 Mar;21(3):315–22 (43 ref.) **(Ita)**

[Laser correction of arrhythmia] Bobrov VA, et al. **Kardiologiia** 1990 Dec;30(12):76–9 (62 ref.) **(Rus)**

ULTRASTRUCTURE

To excite a heart: a bird's view. Sommer JR, et al. **Acta Physiol Scand Suppl** 1991;599:5–21 (97 ref.)

HEART CONTRACTILITY see **MYOCARDIAL CONTRACTION**

HEART DEFECTS, CONGENITAL

Grown-up congenital heart disease: who knows? who cares? Somerville J. **Cardiologia** 1990 Nov;35(11):893–8 (1 ref.)

CLASSIFICATION

Congenital heart defects in malformation syndromes. Lin AE. **Clin Perinatol** 1990 Sep;17(3):641–73 (182 ref.)

COMPLICATIONS

Adams–Oliver syndrome associated with congenital heart defect: not a coincidence. [letter] David A, et al. **Am J Med Genet** 1991 Jul 1;40(1):126–7 (5 ref.)

Congenital heart disease and Robinow syndrome: coincidence or an additional component of the syndrome? Webber SA, et al. **Am J Med Genet** 1990 Dec;37(4):519–21 (9 ref.)

Epidural anaesthesia for labour and caesarean section in a parturient with a single ventricle and transposition of the great arteries. Fong J, et al. **Can J Anaesth** 1990 Scp; 37(6):680–4 (18 ref.)

Cyanotic congenital heart disease: hematologic management. Territo MC, et al. **J Am Coll Cardiol** 1991 Aug;18(2):320–2 (13 ref.)

Anesthetic management of patients with congenital heart disease coming for non-cardiac surgery. al Khudhairi D. **Middle East J Anesthesiol** 1990 Oct;10(6):585–93 (23 ref.)

[The importance of Doppler echocardiography in the differential diagnosis of causes of neonatal cyanosis] Katona M, et al. **Orv Hetil** 1990 Nov 4;131(44):2407–10 (28 ref.) (Eng. Abstr.) **(Hun)**

[False chordae tendineae in mitral valve prolapse: an association with limited responsibility?] Bolognesi R, et al. **Cardiologia** 1990 Jun;35(6):445–9 (47 ref.) **(Ita)**

DIAGNOSIS

Magnetic resonance imaging of the heart: perfusion, function, and structure. de Roos A, et al. **Curr Opin Radiol** 1991 Aug;3(4):525–32 (40 ref.)

Evaluation of congenital diseases of the heart. Imhof H, et al. **Curr Opin Radiol** 1991 Aug;3(4):546–9 (15 ref.)

The use of magnetic resonance imaging in the investigation of infants and children with congenital heart disease: current status and future prospects. Parsons JM, et al. **Int J Cardiol** 1990 Dec;29(3):263–75 (51 ref.)

Special value of the vectorcardiogram in pediatric cardiology. Brohet CR. **J Electrocardiol** 1990;23 Suppl:58–62 (25 ref.)

Magnetic resonance imaging of congenital heart disease in the pediatric patient. Bisset GS 3d. **Radiol Clin North Am** 1991 Mar;29(2):279–91 (34 ref.)

Congenital heart disease: applications of computed tomography and magnetic resonance imaging. Schlesinger AE, et al. **Semin Ultrasound CT MR** 1991 Feb;12(1):11–27 (56 ref.)

[Application of pharmacological tests and hemodynamic exercise tests in the diagnosis of heart defects—based on personal preliminary experience] Korewicki J, et al. **Kardiol Pol** 1990;33(5):346–55 (28 ref.) **(Pol)**

DRUG THERAPY

Does digoxin have a place in the treatment of the child with congenital heart disease? Redington AN, et al. **Cardiovasc Drugs Ther** 1989 Mar;3(1):21–4 (21 ref.)

The effects of high phenylalanine concentration on chick embryonic development. Kirby ML, et al. **J Inherited Metab Dis** 1990;13(4):634–40 (21 ref.)

EPIDEMIOLOGY

Structural heart disease. Allan LD. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):223–5 (16 ref.)

ETIOLOGY

[Cardiopathies in Di George's syndrome] Normand J, et al. **Pediatrie** 1991;46(3):287–91 (41 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Simpson–Golabi–Behmel syndrome with severe cardiac arrhythmias. König R, et al. **Am J Med Genet** 1991 Feb–Mar;38(2–3):244–7 (8 ref.)

Five children with del (2)(q31q33) and one individual with dup (2)(q31q33) from a single family: review of brain, cardiac, and limb malformations. Ramer JC, et al. **Am J Med Genet** 1990 Nov;37(3):392–400 (23 ref.)

Cardio-facio cutaneous syndrome: neurological manifestations. Gross-Tsur V, et al. **Clin Genet** 1990 Nov; 38(5):382–6 (5 ref.)

Congenital cardiovascular malformations (CCVM) and structural chromosome abnormalities: a report of 9 cases and literature review. Roskes EJ, et al. **Clin Genet** 1990 Sep;38(3):198–210 (165 ref.)

Heart disease associated with deletion of the short arm of chromosome 18. Movahhedian HR, et al. **Del Med J** 1991 May;63(5):285–9 (25 ref.)

Two brothers with heart defects and limb shortening: case reports and review. Reardon W, et al. **J Med Genet** 1990 Dec;27(12):746–51 (7 ref.)

[Holt–Oram syndrome] Elek C, et al. **Orv Hetil** 1991 Jan 13;132(2):73–4, 77–8 (25 ref.) (Eng. Abstr.) **(Hun)**

IMMUNOLOGY

Clinical value of IgG subclass investigations in pediatric practice. Thong YH. **Pediatr Infect Dis J** 1990 Aug;9(8 Suppl):S36–40 (69 ref.)

METABOLISM

[Myocardial hypoxia in newborn infants] Eigenson OB. **Pediatriia** 1990;(8):96–9 (63 ref.) **(Rus)**

PATHOLOGY

Fleischner lecture. Developmental abnormalities in the systemic blood supply to the lungs. Ellis K. **AJR Am J Roentgenol** 1991 Apr;156(4):669–79 (55 ref.)

The autopsy registry of congenital heart disease at the University of Padua. Frescura C, et al. **G Ital Cardiol** 1990 Jun;20(6):588–93 (25 ref.)

Atresia of the common pulmonary vein. Deshpande JR, et al. **Int J Cardiol** 1991 Feb;30(2):221–6 (13 ref.)

RADIOGRAPHY

Radiographic manifestations of congenital heart disease in the adult patient. Gross GW, et al. **Radiol Clin North Am** 1991 Mar;29(2):293–317 (72 ref.)

SURGERY

Hypoplastic left heart syndrome. Norwood WI Jr. **Ann Thorac Surg** 1991 Sep;52(3):688–95 (4 ref.)

Current status of cardiac surgery in childhood. Mee RB. **Prog Pediatr Surg** 1991;27:148–69 (23 ref.)

Perfusion for pediatric open heart surgery. Elliott MJ. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):332–40 (33 ref.)

Heart transplantation in infants and children. Yacoub MH, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):206–12 (72 ref.)

[Viability of new valvular homografts. An evaluation at the Henri Mondor Hospital] Bloch G, et al. **Ann Chir** 1990; 44(8):593–8 (23 ref.) (Eng. Abstr.) **(Fre)**

[Cavo–bipulmonary anastomosis. Apropos of 3 cases] Leca F, et al. **Arch Mal Coeur Vaiss** 1991 May;84(5):697–702 (22 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Transcatheter occlusive procedures in congenital heart disease [editorial] Khalilullah M. **Indian Heart J** 1990

Mar-Apr;42(2):83-4 (18 ref.)

ULTRASONOGRAPHY

Sonography of the fetal heart: findings on the four-chamber view. McGahan JP. **AJR Am J Roentgenol** 1991 Mar; 156(3):547-53 (25 ref.)

Isolated right superior vena cava into the left atrium detected by contrast echocardiography. King RE, et al. **Am Heart J** 1991 Aug;122(2):583-6 (14 ref.)

Fetal echocardiography: assessment of cardiovascular anatomy and function. Santulli TV Jr. **Clin Perinatol** 1990 Dec;17(4):911-40 (175 ref.)

Fetal echocardiography. Reed KL. **Semin Ultrasound CT MR** 1991 Feb;12(1):2-10 (14 ref.)

HEART DISEASE, ISCHEMIC see **CORONARY DISEASE**

HEART DISEASES

see related

NEUROCIRCULATORY ASTHENIA

Anesthetic choice for the cardiac obstetric patient. Morgan M. **Middle East J Anesthesiol** 1990 Oct;10(6):621-32 (8 ref.)

CHEMICALLY INDUCED

Cocaine-induced heart diseases. Rezkalla SH, et al. **Am Heart J** 1990 Dec;120(6 (Pt 1)):1403-8 (86 ref.)

5-Fluorouracil cardiotoxicity: a critical review. Gradishar WJ, et al. **Ann Oncol** 1990 Nov;1(6):409-14 (54 ref.)

Hemodynamically induced heart lesions in the dog after the administration of cardio-active substances. Schneider P. **Exp Pathol** 1990;40(3):155-68 (29 ref.)

Effects of drugs on the radiographic appearance of the heart. Boxt LM, et al. **J Thorac Imaging** 1991 Jan;6(1):76-84 (61 ref.)

COMPLICATIONS

Cardiac manifestations of acquired immune deficiency syndrome: a 1991 update. Kaul S, et al. **Am Heart J** 1991 Aug;122(2):535-44 (75 ref.)

Sudden cardiac death in young athletes. A review. McCaffrey FM, et al. **Am J Dis Child** 1991 Feb; 145(2):177-83 (88 ref.)

Perioperative stroke. Part II: Cardiac surgery and cardiogenic embolic stroke. Wong DH. **Can J Anaesth** 1991 May;38(4 Pt 1):471-88 (202 ref.)

Sudden cardiac death in blacks, including black athletes. Williams RA. **Cardiovasc Clin** 1991;21(3):297-320 (76 ref.)

Cardiogenic stroke in the elderly. Davis WD, et al. **Clin Geriatr Med** 1991 Aug;7(3):429-42 (48 ref.)

Cardiac, ocular, and renal manifestations of seronegative spondyloarthropathies. Youssef W, et al. **Curr Opin Rheumatol** 1990 Aug;2(4):582-5 (5 ref.)

Death, depression, and heart disease. Roose SP, et al. **J Clin Psychiatry** 1991 Jun;52 Suppl:34-9 (45 ref.)

The Mikamo lecture. Role of higher nervous activity in sudden cardiac death. Lown B. **Jpn Circ J** 1990 Jun; 54(6):581-602 (106 ref.)

Preoperative assessment and preparation--an anesthesiologist's view. Morgan M. **Middle East J Anesthesiol** 1990 Oct;10(6):567-78 (17 ref.)

Of birds and nests and brain emboli. Caplan LR. **Rev Neurol (Paris)** 1991;147(4):265-73 (60 ref.)

[Cardiac pathology in human immunodeficiency virus infection] Paraf F, et al. **Arch Anat Cytol Pathol** 1990; 38(4):171-9 (134 ref.) (Eng. Abstr.) **(Fre)**

[Cardiac sources of cerebral embolism and infarction: results of the Lausanne register for cerebrovascular accidents] Cachin C, et al. **Schweiz Med Wochenschr** 1990 Sep 8; 120(36):1308-15 (61 ref.) (Eng. Abstr.) **(Fre)**

[The surgical risk in patients with cardiac diseases] Kothe K, et al. **Anaesthesiol Reanim** 1991;16(2):84-92 (30 ref.) (Eng. Abstr.) **(Ger)**

[Heart diseases as a cause of cerebral symptoms and syndromes] Herrschaft H. **Fortschr Neurol Psychiatr** 1990 Aug;58(8):287-300 (177 ref.) (Eng. Abstr.) **(Ger)**

[Frequency of pathological changes of the upper gastrointestinal tract in patients awaiting heart surgery] Konermann M, et al. **Klin Wochenschr** 1990 Nov 9; 68(21):1059-65 (27 ref.) (Eng. Abstr.) **(Ger)**

[Cardiomyopathy in uremic patients] Di Giulio S, et al. **G Ital Cardiol** 1990 May;20(5):481-8 (79 ref.) **(Ita)**

DIAGNOSIS

The role of endomyocardial biopsy in the diagnosis and treatment of heart disease. Urbanová D. **Acta Univ Carol [Med] (Praha)** 1989;35(3-4):75-165 (346 ref.)

Clinical nuclear magnetic resonance spectroscopy: insight into metabolism. Schaefer S. **Am J Cardiol** 1990 Oct 26; 66(14):45F-50F (27 ref.)

Role of magnetic resonance contrast agents in cardiac imaging. Wolf GL. **Am J Cardiol** 1990 Oct 26; 66(14):59F-62F (15 ref.)

Impact of integrative cardiopulmonary exercise testing on clinical decision making. Sue DY, et al. **Chest** 1991 Apr; 99(4):981-92 (54 ref.)

Tomographic views of normal and abnormal hearts: the anatomic basis for various cardiac imaging techniques. Part II. Waller BF, et al. **Clin Cardiol** 1990 Dec;13(12):877-84 (9 ref.)

Transesophageal echocardiography. Bansal RC, et al. **Curr Probl Cardiol** 1990 Nov;15(11):641-720 (123 ref.)

Cardiac transplantation. How recipients are selected. Ventura HO, et al. **Postgrad Med** 1991 Aug;90(2):131-2, 135-8 (9 ref.)

MR imaging and MR spectroscopy of the heart: present and future possibilities and limitations. Sauter R, et al. **Radiol Med (Torino)** 1990 Jul-Aug;80(1-2):172-80 (16 ref.)

Dynamic magnetic resonance imaging in acquired heart disease. Pettigrew RI. **Semin Ultrasound CT MR** 1991 Feb; 12(1):61-91 (95 ref.)

[Cardiac hydatidosis. Review of recent literature and report of 15 cases] Elkouby A, et al. **Ann Chir** 1990;44(8):603-10 (44 ref.) (Eng. Abstr.) **(Fre)**

[Transesophageal echocardiography: a new view of the heart] Roudaut R, et al. **Presse Med** 1991 Jun 8;20(22):1034-40 (13 ref.) (Eng. Abstr.) **(Fre)**

[Cardiac MRI] Richoz B, et al. **Rev Med Suisse Romande** 1991 Apr;111(4):341-7 (21 ref.) **(Fre)**

[Progress in clinical cardiology. Echocardiography] Hofmann T, et al. **Med Monatsschr Pharm** 1991 Jan; 14(1):5-18 (0 ref.) **(Ger)**

[Skin changes as an indication of heart disorders] Török L. **Z Hautkr** 1990 Nov;65(11):1001-6 (21 ref.) (Eng. Abstr.) **(Ger)**

[Prospective study of cardiac autonomic neuropathy in diabetes mellitus] Jermendy G, et al. **Orv Hetil** 1991 Jun 23;132(25):1351-2, 1355-8 (34 ref.) (Eng. Abstr.) **(Hun)**

[Clinical use of transesophageal echocardiography] Lengyel M, et al. **Orv Hetil** 1990 Dec 23;131(51):2799-804, 2807 (28 ref.) (Eng. Abstr.) **(Hun)**

[Use of magnetic tomography in cardiology. Introduction of a new method] Slørdahl SA, et al. **Tidsskr Nor Laegeforen** 1991 May 10;111(12):1500-2 (10 ref.) (Eng. Abstr.) **(Nor)**

[Predictive value of sinus rhythm analysis] Baranowski R. **Kardiol Pol** 1991;34(3):190-4 (36 ref.) **(Pol)**

[Current indications for the performance of the ergometric test] Trezza E. **Rev Paul Med** 1990 May-Jun;108(3):134-8 (29 ref.) **(Por)**

DRUG THERAPY

When is drug therapy warranted to prevent sudden cardiac death? Singh BN. **Drugs** 1991;41 Suppl 2:24-46 (106 ref.)

Treatment of hypertensive heart disease with ACE inhibitors. Stumpe KO. **J Cardiovasc Pharmacol** 1987;10 Suppl 6:S166-71 (42 ref.)

EPIDEMIOLOGY

Hypertension, cardiac disease, and compliance in minority patients. Francis CK. **Am J Med** 1991 Jul 18; 91(1A):29S-36S (55 ref.)

Is the erythrocyte sodium-lithium countertransport a molecular marker of cardiac risk in hypertension? Diez J, et al. **Cardioscience** 1991 Jun;2(2):87-92 (58 ref.)

Heart disease in blacks of Africa and the Caribbean. Akinkugbe OO, et al. **Cardiovasc Clin** 1991;21(3):377-91 (47 ref.)

Passive smoking and heart disease. Epidemiology, physiology, and biochemistry. Glantz SA, et al. **Circulation** 1991 Jan;83(1):1-12 (71 ref.)

ETHNOLOGY

Heart disease in native Americans. Alpert JS, et al. **Cardiology** 1991;78(1):3-12 (65 ref.)

ETIOLOGY

Cardiac manifestations of Churg-Strauss syndrome: report of a case and review of the literature. Hasley PB, et al. **Am Heart J** 1990 Oct;120(4):996-9 (21 ref.)

Cardiorespiratory effects of endoscopic esophageal variceal sclerotherapy. Baydur A, et al. **Am J Med** 1990 Oct; 89(4):477-82 (43 ref.)

Cardiac complications of cocaine abuse. Isner JM, et al. **Annu Rev Med** 1991;42:133-8 (16 ref.)

Preoperative evaluation of the cardiac patient for noncardiac surgery. Barash PG. **Can J Anaesth** 1991 May;38(4 Pt 2):R134-44 (41 ref.) **(Eng, Fre)**

Cardiotoxicity of interferon. A review of 44 cases. Sonnenblick M, et al. **Chest** 1991 Mar;99(3):557-61 (35 ref.)

Hypertension and vascular disease in the 1990s. Gorlin R. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV1-5; discussion IV51-5 (12 ref.)

Cardiac status and differential indication for renal replacement methods. Wizemann V, et al. **Contrib Nephrol** 1991;89:254-9 (12 ref.)

Neurothanatology--clinical significance of cerebrally induced cardiac changes. Oppenheimer S. **Postgrad Med J** 1990 Aug;66(778):591-4 (52 ref.)

[Cardiac involvement in carriers of the human immunodeficiency virus. Report of 38 cases] Blanc P, et al. **Ann Cardiol Angeiol (Paris)** 1990 Nov;39(9):519-25 (26 ref.) (Eng. Abstr.) **(Fre)**

[Coronary artery-right ventricular fistula in a patient with heart transplantation. A complication of endomyocardial biopsy] Lefèvre T, et al. **Arch Mal Coeur** 1990 Oct; 83(11):1713-8 (10 ref.) (Eng. Abstr.) **(Fre)**

[Cardiac hydatidosis: contribution of magnetic resonance imaging. Report of a case] Vanjak D, et al. **Arch Mal Coeur** 1990 Oct;83(11):1739-42 (10 ref.) (Eng. Abstr.) **(Fre)**

[Cardiac involvement in systemic lupus erythematosus] Maaravi Y, et al. **Harefuah** 1991 Feb 15;120(4):227-30 (44 ref.) **(Heb)**

[Myocardial damage and pheochromocytoma. Description of 2 cases and review of the literature] Giunta G. **Minerva Med** 1990 Oct;81(10):741-7 (35 ref.) (Eng. Abstr.) **(Ita)**

[Right ventricular thrombosis due to familial heparin cofactor II deficiency] Nagae N, et al. **Kyobu Geka** 1990 Sep; 43(10):830-4 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Left atrial thrombus in the early postoperative period after mitral valve replacement] Take A, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jul;39(7):1039-48 (46 ref.) (Eng. Abstr.) **(Jpn)**

[Left ventricular-right atrial communication following mitral valve replacement] Yokoyama M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Sep;38(9):1483-7 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Heart disease and diabetes] Barriales V, et al. **Med Clin (Barc)** 1991 Jun 8;97(2):72-5 (59 ref.) **(Spa)**

GENETICS

[Molecular genetics of heart diseases. A familial approach] Junien C. **Arch Mal Coeur Vaiss** 1991 Feb;84(2):201-11 (15 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Beta-adrenoceptor--G-protein--adenylyl cyclase system in cardiac disease: a new insight into desensitization. Fu LX, et al. **Clin Physiol** 1991 Jan;11(1):1-7 (25 ref.)

MORTALITY

Cardiovascular disease in the United States: an epidemiologic overview. Gillum RF. **Cardiovasc Clin** 1991;21(3):3-16 (40 ref.)

Sudden cardiac death after myocardial infarction. Fletcher RD. **Drugs** 1991;41 Suppl 2:1-8 (35 ref.)

Can we predict sudden cardiac death? Meinertz T, et al. **Drugs** 1991;41 Suppl 2:9-15 (28 ref.)

PATHOLOGY

The George Simon lecture: magnetic resonance studies of the heart. Rees S. **Clin Radiol** 1990 Nov;42(5):302-16 (38 ref.)

Dynamic pathology of the heart, a personal odyssey. Wagner BM. **Toxicol Pathol** 1990;18(4 Pt 1):481-7 (30 ref.)

PHYSIOPATHOLOGY

Can heart failure be prevented, delayed, or reversed? Swan HJ. **Am Heart J** 1990 Dec;120(6 (Pt 2)):1540-6 (28 ref.)

Beta-adrenergic receptor regulation in the heart in pathophysiologic states: abnormal adrenergic responsiveness in cardiac disease. Homcy CJ, et al. **Annu Rev Physiol** 1991;53:137-59 (130 ref.)

Mental activity, adrenergic modulation, and cardiac arrhythmias in patients with heart disease. Coumel P, et al. **Circulation** 1991 Apr;83(4 Suppl):II58-70 (29 ref.)

Haemodynamic monitoring. Problems, pitfalls and practical solutions. Bossaert LL, et al. **Drugs** 1991 Jun;41(6):857-74 (66 ref.)

Influence of abnormal breathing conditions on right ventricular function. Jardin F, et al. **Intensive Care Med** 1991;17(3):129-35 (36 ref.)

Non-infarct Q wave. Turakhia DP. **J Assoc Physicians India** 1990 Nov;38(11):850-2 (12 ref.)

[Left ventricular pressure-diameter and stress-diameter relations in humans. Standardization and critical analysis of the method] Matsubara BB, et al. **Arq Bras Cardiol** 1990 Jun;54(6):373-81 (49 ref.) (Eng. Abstr.) **(Por)**

[The physiological bases of preventing disorders in cardiac activity during emotional stress] Ul'ianinskiĭ LS. **Fiziol Zh SSSR** 1990 Oct;76(10):1273-9 (31 ref.) **(Rus)**

PREVENTION & CONTROL

Cardioprotective potential of angiotensin-converting enzyme inhibitors. Gavras I, et al. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV68-71; discussion IV83-90 (33 ref.)

Cardioprotective potential of angiotensin converting enzyme inhibitors [editorial] [see comments] Gavras H, et al. **J Hypertens** 1991 May;9(5):385-92 (107 ref.) Comment in: J Hypertens 1991 May;9(5):393-7.

Unique cardioprotective potential of angiotensin converting enzyme inhibitors: a hypothesis still to be tested on humans [comment] McMurray J, et al. **J Hypertens** 1991 May; 9(5):393-7 (47 ref.) Comment on: J Hypertens 1991 May;9(5):385-92.

[Radioprotection in cardiology] Zannoli R, et al. **Cardiologia** 1990 Feb;35(2):113-20 (14 ref.) **(Ita)**

PSYCHOLOGY

[Intervention of the psychologist in the treatment of patients with heart disease] Ebaid C, et al. **Arq Bras Cardiol** 1990 Aug;55(2):133-5 (14 ref.) **(Por)**

RADIOGRAPHY

Ultrafast computed tomography in cardiac imaging: a review. Stanford W, et al. **Semin Ultrasound CT MR** 1991 Feb;

12(1):45–60 (37 ref.)
[Cardiac diagnosis in the conventional chest x-ray] Teifke A, et al. **Rontgenblatter** 1990 Sep;43(9):370–6 (19 ref.) (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Non-tumor applications of radioimmune imaging. Strauss HW, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):127–34 (25 ref.)
Pathomechanisms of the cerebral and myocardial glucose metabolism. Knapp WH. **Nuklearmedizin** 1990 Dec; 29(6):236–45 (129 ref.)

REHABILITATION

Rehabilitation strategies for the complex cardiac patient. Pashkow FJ. **Cleve Clin J Med** 1991 Jan–Feb;58(1):70–5 (56 ref.)

SURGERY

[Extracorporeal circulation as a risk factor in heart surgery] Birnbaum D, et al. **Z Kardiol** 1990;79 Suppl 4:87–93 (14 ref.) (Eng. Abstr.) **(Ger)**
[Extra-cardiac risk factors in heart surgery—the vascular system] Dalichau H. **Z Kardiol** 1990;79 Suppl 4:23–9 (9 ref.) (Eng. Abstr.) **(Ger)**
[Intraoperative diagnosis of the heart and great vessels—echocardiography] Erbel R, et al. **Z Kardiol** 1990; 79 Suppl 4:127–40 (81 ref.) (Eng. Abstr.) **(Ger)**
[Intraoperative diagnosis of the heart and great vessels—measuring blood pressure] Gramsch-Zabel H. **Z Kardiol** 1990;79 Suppl 4:97–106 (3 ref.) (Eng. Abstr.) **(Ger)**
[Intraoperative diagnosis—measuring heart time volume and assessment of shunts] Hagl S, et al. **Z Kardiol** 1990;79 Suppl 4:107–17 (39 ref.) (Eng. Abstr.) **(Ger)**
[Extracardiac risk factors in heart surgery—significance of anesthesia] Kettler D, et al. **Z Kardiol** 1990;79 Suppl 4:79–85 (32 ref.) (Eng. Abstr.) **(Ger)**
[Central nervous system risk factors in heart surgery] Rodewald G, et al. **Z Kardiol** 1990;79 Suppl 4:13–21 (74 ref.) (Eng. Abstr.) **(Ger)**
[Extra-cardiac risk factors in heart surgery evaluated by the gastroenterologist] Strohmeyer G, et al. **Z Kardiol** 1990;79 Suppl 4:39–45 (31 ref.) (Eng. Abstr.) **(Ger)**
[Noncardiac risk factors in heart surgery—the blood coagulation system] Tilsner V, et al. **Z Kardiol** 1990;79 Suppl 4:63–70 (28 ref.) (Eng. Abstr.) **(Ger)**
[Extracardiac risk factors in heart surgery—drugs] Weber E, et al. **Z Kardiol** 1990;79 Suppl 4:71–8 (27 ref.) (Eng. Abstr.) **(Ger)**
[Diagnosis, prevention and therapy of pulmonary complications in heart surgery interventions] Worth H, et al. **Z Kardiol** 1990;79 Suppl 4:31–8 (31 ref.) (Eng. Abstr.) **(Ger)**
[Use of laser in cardiovascular medicine] Chavantes MC, et al. **Arq Bras Cardiol** 1990 Jan;54(1):63–8 (57 ref.) **(Por)**
[Use of the methods of gravitative surgery of the blood in cardiac surgery] Matveev SA. **Klin Khir** 1990;(10):48–52 (35 ref.) **(Rus)**

THERAPY

Mechanical assist devices in intensive cardiac care. Miller LW. **Am Heart J** 1991 Jun;121(6 (Pt 1)):1887–92 (36 ref.)
Sudden cardiac death: management of high-risk patients [see comments] Akhtar M, et al. **Ann Intern Med** 1991 Mar 15;114(6):499–512 (98 ref.) Comment in: Ann Intern Med 1991 Jul 1;115(1):67–8.
Long-term results of coronary balloon angioplasty. Meier B. **Annu Rev Med** 1991;42:47–59 (51 ref.)
Managing the pregnant patient with heart disease. Burlew BS. **Clin Cardiol** 1990 Nov;13(11):757–62 (41 ref.)
The role of exercise therapy in patients with impaired ventricular function and chronic heart failure. Kellermann JJ. **J Cardiovasc Pharmacol** 1987;10 Suppl 6:S172–7 (25 ref.)
Therapeutic cardiac catheterization in children [see comments] Waldman JD, et al. **West J Med** 1990 Sep; 153(3):288–95 (51 ref.) Comment in: West J Med 1990 Sep;153(3):325–6.
[Respiratory support in patients with left cardiac insufficiency] Conti G. **Minerva Anestesiol** 1990 Jul–Aug; 56(7–8):555–7 (0 ref.) **(Ita)**
[Ambulatory control and follow-up of patients carrying a unicameral pacemaker] de Juan Montiel J, et al. **Rev Esp Cardiol** 1990;43 Suppl 2:32–9 (47 ref.) (Eng. Abstr.) **(Spa)**

ULTRASONOGRAPHY

Report of the Council on Scientific Affairs: ultrasonic imaging of the heart: report of the Ultrasonography Task Force. Sahn D, et al. **Arch Intern Med** 1991 Jul; 151(7):1288–94 (30 ref.)
What's new in transesophageal echocardiography? van Daele ME, et al. **Cardiology** 1990;77(5):388–97 (20 ref.)
Transesophageal echocardiography in the intensive care patient. Porembka DT, et al. **Crit Care Med** 1991 Jun; 19(6):826–35 (47 ref.)
The morphology and function of echocardiography. Lloret JL. **Curr Opin Radiol** 1991 Aug;3(4):519–24 (30 ref.)
[Transesophageal Doppler echocardiography in the evaluation of cardiac pathology] Garcia-Fernandez MA, et al. **Rev Port Cardiol** 1990 Sep;9(9):711–9 (49 ref.) (Eng. Abstr.) **(Por)**
[Clinical application of echocardiography in children] Rodriguez-López-Domingo AM, et al. **Bol Med Hosp Infant Mex** 1990 Sep;47(9):611–9 (43 ref.) (Eng. Abstr.) **(Spa)**

URINE

[Evaluation of urinary excretion of cyclic guanosine monophosphate in clinical cardiology] Baudouy PY, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):777–84 (30 ref.) (Eng. Abstr.) **(Fre)**

HEART ENLARGEMENT

Cardiac hypertrophy. Mechanical, neural, and endocrine dependence. Morgan HE, et al. **Circulation** 1991 Jan; 83(1):13–25 (120 ref.)
The 'athletic heart syndrome'. A critical review. George KP, et al. **Sports Med** 1991 May;11(5):300–30 (238 ref.)
[Physiologic and pathologic left ventricular hypertrophy] Corea L, et al. **Cardiologia** 1991 Jan;36(1):71–80 (125 ref.) **(Ita)**

COMPLICATIONS

Risk reduction following regression of cardiac hypertrophy. Schmieder RE. **Clin Exp Hypertens [A]** 1990;12(5):903–16 (60 ref.)
Effects of coronary artery occlusion in animals with hypertension and left ventricular hypertrophy. Dellsperger KC, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S40–5 (24 ref.)
Determinants of ventricular arrhythmias in cardiac hypertrophy. McLenachan JM, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S46–9 (30 ref.)
[Dynamic left ventricular obstruction increased by nitroglycerin in elderly patients with hypertension and concentric left ventricular hypertrophy] Cohen A, et al. **Arch Mal Coeur** 1990 Jul;83(8):1155–60 (10 ref.) (Eng. Abstr.) **(Fre)**
[Coronary effects of left ventricular hypertrophy associated with hypertension] Trimarco B, et al. **Arch Mal Coeur Vaiss** 1990 Dec;83 Spec No 4:63–6 (27 ref.) (Eng. Abstr.) **(Fre)**
[Arterial hypertension, left ventricular hypertrophy and sudden cardiac death] Messerli FH, et al. **Dtsch Med Wochenschr** 1990 Nov 2;115(44):1682–7 (51 ref.) **(Ger)**

DIAGNOSIS

Left ventricular hypertrophy: diagnosis, prognosis, and management. Pearson AC, et al. **Am Heart J** 1991 Jan;121(1 (Pt 1)):148–57 (93 ref.)
Special value of the vectorcardiogram in pediatric cardiology. Brohet CR. **J Electrocardiol** 1990;23 Suppl:58–62 (25 ref.)
[Detection of cardiac risk in hypertensive patients with left heart hypertrophy] Schulte KL, et al. **Z Kardiol** 1991;80 Suppl 1:37–40 (38 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Clinical benefits of structural and functional changes with calcium antagonists. O'Malley K, et al. **Am Heart J** 1991 Jul;122(1 (Pt 2)):370–4 (23 ref.)
The heart (ventricle and atrium) is the heart of hypertension, not blood pressure. Gubner RS. **Can J Cardiol** 1990 Oct; 6(8):367–72 (27 ref.)
Cardiac volume load as a determinant of the response of cardiac mass to antihypertensive therapy. Leenen FH, et al. **Eur Heart J** 1990 Nov;11 Suppl G:100–6 (22 ref.)
Regression of cardiac hypertrophy and left ventricular pumping ability postregression. Frohlich ED. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S81–6 (52 ref.)
Effects of different antihypertensive drug classes on survival in animal models. Knorr A, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S94–100 (28 ref.)
Antihypertensive drugs and cardiac trophic mechanisms. Leenen FH, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S50–7 (57 ref.)
Reversal of left ventricular hypertrophy: a desirable therapeutic goal? Schmieder RE, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 6:S16–22 (54 ref.)
Influence of drug therapy on myocardial hypertrophy in left ventricular failure. Taylor SH. **J Cardiovasc Pharmacol** 1987;10 Suppl 6:S141–7 (33 ref.)
[Antihypertensive treatment and remission of left ventricular hypertrophy. Critical study] Clémenty J, et al. **Arch Mal Coeur Vaiss** 1990 Dec;83 Spec No 4:39–43 (30 ref.) (Eng. Abstr.) **(Fre)**
[Long-term effects of indapamide in left ventricular hypertrophy in patients with hypertension] Komajda M, et al. **Arch Mal Coeur Vaiss** 1990 Dec;83 Spec No 4:45–50 (34 ref.) (Eng. Abstr.) **(Fre)**
[Regression of left ventricular hypertrophy with antihypertensive treatment] Galinier M, et al. **Presse Med** 1990 Nov 10;19(37):1715–9 (54 ref.) (Eng. Abstr.) **(Fre)**
[ACE inhibition: mechanisms of cardioprotection in heart hypertrophy] Motz W, et al. **Klin Wochenschr** 1991;69 Suppl 24:39–43; discussion 43–4 (37 ref.) (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

[Changes in ventricular myocardial myosin ATPase isoenzymes in physiological and pathological conditions] Chen Y, et al. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan; 22(1):80–3 (34 ref.) **(Chi)**

EPIDEMIOLOGY

Left ventricular hypertrophy, arterial hypertension and sudden death. Messerli FH. **J Hypertens Suppl** 1990 Dec; 8(7):S181–6 (61 ref.)

ETIOLOGY

Left ventricular hypertrophy in hypertension. Dunn FG, et al. **Am Heart J** 1991 Jul;122(1 (Pt 2)):312–5 (29 ref.)
Cardiac remodeling in hypertension and following myocardial infarction: effects of arteriolar vasodilators. Smits JF, et al. **Basic Res Cardiol** 1991;86 Suppl 1:133–9 (40 ref.)
Remodeling of the heart in chronic pressure overload. Swynghedauw B. **Basic Res Cardiol** 1991;86 Suppl 1:99–105 (7 ref.)
Hypertensive heart disease in blacks. Gottdiener JS. **Cardiovasc Clin** 1991;21(3):133–43 (55 ref.)
Cardiac changes in uremia and their possible relation to cardiovascular instability on dialysis. Ritz E, et al. **Contrib Nephrol** 1990;78:221–9 (21 ref.)
Role of endocardium in cardiac overloading and failure. Brutsaert DL. **Eur Heart J** 1990 Nov;11 Suppl G:8–16 (24 ref.)
Signals for cardiac muscle hypertrophy in hypertension. Kent RL, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S7–13 (57 ref.)
Regression of left ventricular hypertrophy in patients with hypertension. Balogun MO, et al. **J Hum Hypertens** 1990 Oct;4 Suppl 4:29–32; discussion 32–4 (33 ref.)
[Expansion and remodelling of the left ventricle after myocardial infarction] Gallet B, et al. **Ann Cardiol Angeiol (Paris)** 1990 Nov;39(9):541–6 (27 ref.) (Eng. Abstr.) **(Fre)**
[Ventricular arrhythmia in patients with hypertension and left ventricular hypertrophy] Sami MH. **Arch Mal Coeur Vaiss** 1990 Dec;83 Spec No 4:59–62 (19 ref.) (Eng. Abstr.) **(Fre)**
[Hypertensive heart disease. Pathophysiological foundation, diagnosis and therapy] Neyses L, et al. **Dtsch Med Wochenschr** 1990 Sep 28;115(39):1480–6 (41 ref.) **(Ger)**
[The sports heart and its differentiation. Differential diagnosis of pathologic conditions in athletes] Kindermann W, et al. **Fortschr Med** 1991 Jan 30;109(3):33–6 (0 ref.) (Eng. Abstr.) **(Ger)**
[Left ventricular hypertrophy in hypertension. Arrhythmias and sudden death] García Robles JA, et al. **An Med Interna** 1989 Oct;6(10):543–6 (41 ref.) **(Spa)**

GENETICS

Biological signals of cardiac hypertrophy. Samuel JL, et al. **Eur Heart J** 1990 Nov;11 Suppl G:1–7 (60 ref.)

METABOLISM

Changes in gene expression during cardiac growth. Lompré AM, et al. **Int Rev Cytol** 1991;124:137–86 (266 ref.)
Collagen and the myocardium: fibrillar structure, biosynthesis and degradation in relation to hypertrophy and its regression. Eghbali M, et al. **Mol Cell Biochem** 1990 Jul 17;96(1):1–14 (93 ref.)

PATHOLOGY

Myofibrillogenesis and reversible disassembly of myofibrills as adaptive reactions of cardiac muscle cells. Borisov AB. **Acta Physiol Scand Suppl** 1991;599:71–80 (62 ref.)
Pathological hypertrophy and cardiac interstitium. Fibrosis and renin-angiotensin-aldosterone system. Weber KT, et al. **Circulation** 1991 Jun;83(6):1849–65 (109 ref.)
Cardiac hypertrophy and ventricular remodeling [editorial] Anversa P, et al. **Lab Invest** 1991 Apr;64(4):441–5 (50 ref.)
The myocardial cell: normal growth, cardiac hypertrophy and response to injury. Bishop SP. **Toxicol Pathol** 1990;18(4 Pt 1):438–53 (70 ref.)
[Postmortem indications of hypertension (published erratum appears in Pathologe 1991 May;12(3):174)] Zschoch H. **Pathologe** 1991 Mar;12(2):66–9 (29 ref.) **(Ger)**
[Remodeling of myocardial interstitium in left ventricular hypertrophy and myocardial infarction] Jalil Milad JE. **Rev Esp Cardiol** 1990 Nov;43(9):635–9 (52 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Functional consequences of cardiac hypertrophy and dilatation. Jacob R, et al. **Basic Res Cardiol** 1991;86 Suppl 1:113–30 (65 ref.)
Left ventricular dilatation and failure post-myocardial infarction: pathophysiology and possible pharmacologic interventions. Firth BG, et al. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1363–74 (89 ref.)
Angiotensin-converting enzyme inhibition, cell growth, and left ventricular hypertrophy in hypertension. Giles TD. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV63–7; discussion IV83–90 (53 ref.)

Similar myocardial effects of aging and hypertension. Lakatta EG. **Eur Heart J** 1990 Nov;11 Suppl G:29–38 (104 ref.)
Diastolic function in left ventricular hypertrophy: clinical and experimental relationships. Lorell BH, et al. **Eur Heart J** 1990 Nov;11 Suppl G:54–64 (55 ref.)
The biological limits of cardiac adaptation to chronic overload. Swynghedauw B. **Eur Heart J** 1990 Nov;11 Suppl G:87–94 (25 ref.)
Diastolic function in valvular heart disease. Hess OM, et al. **Herz** 1991 Apr;16(2):124–9 (22 ref.) **(Eng, Ger)**
Cardiac hypertrophy due to pressure and volume overload: distinctly different biological phenomena? Rossi MA, et al. **Int J Cardiol** 1991 May;31(2):133–41 (75 ref.)
Cardiac hypertrophy and aortic distensibility in essential hypertension. Safar ME, et al. **J Cardiovasc Pharmacol** 1987;10 Suppl 6:S86–90 (41 ref.)
Physiologic versus pathologic hypertrophy and the pressure–overloaded myocardium. Weber KT, et al. **J Cardiovasc Pharmacol** 1987;10 Suppl 6:S37–50 (100 ref.)
Signals for the remodeling of the cardiac interstitium in systemic hypertension. Weber KT, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S14–9 (46 ref.)

PREVENTION & CONTROL

Sympatholytic drugs and cardiac remodelling in human and experimental arterial hypertension. Rorive G, et al. **Basic Res Cardiol** 1991;86 Suppl 1:141–8 (31 ref.)
Left ventricular dilatation and failure post–myocardial infarction: pathophysiology and possible pharmacologic interventions. Firth BG, et al. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1363–74 (89 ref.)
Is reversal of left ventricular hypertrophy in hypertension beneficial? Frohlich ED. **Hypertension** 1991 Sep;18(3 Suppl):I133–8 (74 ref.)
[Organ protection and regression of hypertension by calcium antagonists] Michel D. **Fortschr Med** 1991 Feb 20; 109(5):125–8 (24 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Effects of exercise and other nonpharmacological measures on blood pressure and cardiac hypertrophy. Jennings G, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S70–4 (16 ref.)

ULTRASONOGRAPHY

Is echocardiography an adequate method to evaluate left ventricular hypertrophy regression? Gosse P, et al. **Eur Heart J** 1990 Nov;11 Suppl G:107–12 (23 ref.)
Relationship between ambulatory or exercise blood pressure and left ventricular structure: prognostic implications. Devereux RB, et al. **J Hypertens Suppl** 1990 Dec; 8(6):S125–34 (76 ref.)

HEART FAILURE, CONGESTIVE

Congestive heart failure in the elderly. Luchi RJ, et al. **J Am Geriatr Soc** 1991 Aug;39(8):810–25 (194 ref.)
[Congestive heart failure: some mechanisms and therapeutic implications] Hertzianu H, et al. **Harefuah** 1991 Mar 15; 120(6):347–50 (46 ref.) **(Heb)**

BLOOD

Role of atrial natriuretic peptide in congestive heart failure due to chronic diabetes. Ganguly PK. **Can J Cardiol** 1991 Jul–Aug;7(6):275–80 (40 ref.)
[Relations between pharmacokinetics and effectiveness of ACE inhibitors] Rettig R, et al. **Z Kardiol** 1991;80 Suppl 2:16–20 (25 ref.) (Eng. Abstr.) **(Ger)**
[Thromboembolism and blood coagulation in congestive heart failure] Serbin VI, et al. **Pediatriia** 1991;(2):92–7 (77 ref.) **(Rus)**
[Atrial natriuretic peptide and the heart: new perspectives] Gutiérrez Marcos FM, et al. **Rev Clin Esp** 1991 May; 188(8):418–20 (33 ref.) **(Spa)**

CHEMICALLY INDUCED

Drug–related arrhythmias during therapy of congestive heart failure. Opie LH. **Cardiovasc Drugs Ther** 1987 Aug; 1(2):195–8 (17 ref.)

CLASSIFICATION

[Heart failure: problems of definition and clinical staging] Ambrosio GB, et al. **Cardiologia** 1990 Sep;35(9):707–12 (23 ref.) **(Ita)**

COMPLICATIONS

Arrhythmias in heart failure—therapeutic challenges. Storstein L. **Am J Med** 1991 May 29;90(5B):27S–29S (14 ref.)
Preoperative evaluation of the cardiac patient for noncardiac surgery. Barash PG. **Can J Anaesth** 1991 May;38(4 Pt 2):R134–44 (41 ref.) **(Eng, Fre)**
Treatment of arrhythmia in patients with heart failure. Gottlieb SS. **PACE** 1990 Nov;13(11 Pt 2):1510–5 (32 ref.)
[Arrhythmias in chronic heart failure. Prognostic significance and treatment] Koenig A, et al. **Presse Med** 1991 May 25; 20(20):950–5 (36 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Congestive heart failure: a current overview. Leibovitch ER. **Geriatrics** 1991 Jan;46(1):43–50, 52 (21 ref.)
Atrial natriuretic factor as a marker in congestive heart failure. Michel JB, et al. **Horm Res** 1990;34(3–4):166–8 (28 ref.)

DRUG THERAPY

Future directions in vasodilator therapy for heart failure. Cohn JN. **Am Heart J** 1991 Mar;121(3 (Pt 1)):969–74 (24 ref.)
Medical management of chronic heart failure: inotropic, vasodilator, or inodilator drugs? Lang R. **Am Heart J** 1990 Dec;120(6 (Pt 2)):1558–64 (71 ref.)
Regional blood flow supply and demand in heart failure. Levine TB, et al. **Am Heart J** 1990 Dec;120(6 (Pt 2)):1547–51 (27 ref.)
How to select a drug for the long–term treatment of chronic heart failure. Man in 't Veld AJ. **Am Heart J** 1990 Dec; 120(6 (Pt 2)):1572–8 (43 ref.)
The placebo effect in heart failure. Packer M. **Am Heart J** 1990 Dec;120(6 (Pt 2)):1579–82 (21 ref.)
Efficacy of ibopamine in the treatment of heart failure. Taylor SH, et al. **Am Heart J** 1990 Dec;120(6 (Pt 2)):1583–90 (42 ref.)
Pharmacology of angiotensin–converting enzyme inhibitors as a guide to their use in congestive heart failure. Cody RJ. **Am J Cardiol** 1990 Oct 2;66(11):7D–11D; discussion 11D–13D (17 ref.)
Quinapril in chronic heart failure. Northridge DB, et al. **Am J Hypertens** 1990 Nov;3(11):283S–287S (35 ref.)
Assessing drugs for the treatment of heart failure. Hampton JR. **Am J Med** 1991 May 29;90(5B):2S–9S (2 ref.)
Cardiovascular pharmacology of adrenergic and dopaminergic receptors: therapeutic significance in congestive heart failure. Lokhandwala MF, et al. **Am J Med** 1991 May 29;90(5B):2S–9S (90 ref.)
Ibopamine in chronic congestive heart failure: hemodynamic and neurohumoral effects. López–Sendón J. **Am J Med** 1991 May 29;90(5B):43S–49S (50 ref.)
Ibopamine in the treatment of heart failure. Man in 't Veld AJ. **Am J Med** 1991 May 29;90(5B):50S–54S (27 ref.)
Phosphodiesterase inhibitors. Its role in heart failure therapy. Kohn IJ, et al. **Arq Bras Cardiol** 1990 Jun;54(6):361–5 (24 ref.)
Beta– and alpha–adrenoceptor–agonists and –antagonists in chronic heart failure. Brodde OE. **Basic Res Cardiol** 1990; 85 Suppl 1:57–66 (73 ref.)
The medical treatment of congestive heart failure. Hernández López E. **Bol Asoc Med P R** 1989 Jan;81(1):2–14 (114 ref.)
Heart failure in 1991. Francis GS. **Cardiology** 1991; 78(2):81–94 (77 ref.)
The safety profile of ibopamine, an alternative substance for treatment of chronic heart failure. Holubarsch C, et al. **Cardiology** 1990;77 Suppl 5:1–8 (52 ref.)
Hemodynamic and neurohumoral effects of ibopamine in patients with chronic congestive heart failure. López–Sendón J. **Cardiology** 1990;77 Suppl 5:9–21 (54 ref.)
Selective beta–1–adrenoceptor partial agonist treatment for congestive heart failure. Shabetai R. **Cardiology** 1990; 77(5):357–66 (34 ref.)
Effect of ibopamine, a dopamine congener, on arrhythmias in heart failure. Storstein L. **Cardiology** 1990;77 Suppl 5:30–5 (31 ref.)
Measurement of the quality of life in congestive heart failure—influence of drug therapy. Bulpitt CJ, et al. **Cardiovasc Drugs Ther** 1988 Nov;2 Suppl 1:419–24 (48 ref.)
Combination of positive inotropic and vasodilating substances in congestive heart failure. Cantelli I, et al. **Cardiovasc Drugs Ther** 1988 May;2(1):83–91 (49 ref.)
Angiotensin inhibitors and other vasodilators with special reference to congestive heart failure. Chatterjee K, et al. **Cardiovasc Drugs Ther** 1987;1(1):1–8 (31 ref.)
An explanation for varying views about digitalis efficacy in congestive heart failure. Cohn JN. **Cardiovasc Drugs Ther** 1989 Mar;3(1):19–20 (5 ref.)
Why different trials on digitalis give conflicting data. Jaeschke R, et al. **Cardiovasc Drugs Ther** 1989 Jan; 2(6):727–31 (12 ref.)
Are inotropic agents contraindicated in congestive heart failure? Katz AM. **Cardiovasc Drugs Ther** 1989 Jan; 2(6):747–50 (33 ref.)
Can new inodilators displace digitalis in the therapy of congestive heart failure? Kumada T, et al. **Cardiovasc Drugs Ther** 1989 Jan;2(6):751–5 (50 ref.)
How to digitalize and to maintain optimal digoxin levels in congestive heart failure. Lambert C, et al. **Cardiovasc Drugs Ther** 1989 Jan;2(6):717–26 (68 ref.)
The use of digitalis for the treatment of congestive heart failure: a tale of its decline and resurrection. Marcus FI. **Cardiovasc Drugs Ther** 1989 Aug;3(4):473–6 (35 ref.)
Therapeutic advances in heart failure. Meinertz T, et al. **Cardiovasc Drugs Ther** 1988 Nov;2 Suppl 1:413–8 (28 ref.)
Preclinical studies on angiotensin converting enzyme inhibitors. Natoff IL. **Cardiovasc Drugs Ther** 1987; 1(1):15–27 (135 ref.)
Beta receptor antagonists in the treatment of heart failure. Persson H, et al. **Cardiovasc Drugs Ther** 1991 Jun; 5(3):589–604 (104 ref.)
The Captopril–Digoxin Multicenter Research Group study on the comparative steps of captopril and digoxin in patients with mild–moderate heart failure: implications for therapy. Pitt B, et al. **Cardiovasc Drugs Ther** 1989 Mar; 3(1):7–9 (14 ref.)
Digoxin—a redundant drug in congestive cardiac failure. Poole–Wilson PA, et al. **Cardiovasc Drugs Ther** 1989 Jan; 2(6):733–41 (50 ref.)
Vasodilator therapy without converting–enzyme inhibition in congestive heart failure—usefulness and limitations. Remme WJ. **Cardiovasc Drugs Ther** 1989 Jun;3(3):375–96 (217 ref.)
The use of angiotensin–converting enzyme inhibitors in congestive heart failure. Rouleau JL, et al. **Cardiovasc Drugs Ther** 1989 Dec;3(6):883–90 (74 ref.)
Cardiac effects of angiotensin converting enzyme inhibitors. Sharpe N. **Cardiovasc Drugs Ther** 1990 Feb;4(1):243–5 (41 ref.)
The rationale for combined use of diuretics, digitalis, and vasodilators in congestive heart failure. Smith TW, et al. **Cardiovasc Drugs Ther** 1989 Mar;3(1):13–7 (30 ref.)
Pathophysiologic arguments for vasodilators in cardiac failure [editorial] Vogt A, et al. **Cardiovasc Drugs Ther** 1988 Dec;2(5):647–51 (19 ref.)
Use of beta–adrenergic blocking agents in congestive heart failure. Krukemyer JJ. **Clin Pharm** 1990 Nov;9(11):853–63 (70 ref.)
Quinapril: a new second–generation ACE inhibitor. Cetnarowski–Cropp AB. **DICP** 1991 May;25(5):499–504 (49 ref.)
Risks and benefits of the treatment of heart failure. Current status. Moran JF. **Drug Saf** 1991 Jul–Aug;6(4):277–84 (56 ref.)
New dopamine receptor agonists in heart failure and hypertension. Implications for future therapy. Horn PT, et al. **Drugs** 1990 Oct;40(4):487–92 (40 ref.)
Acute and long term effects of loop diuretics in heart failure. Krück F. **Drugs** 1991;41 Suppl 3:60–8 (38 ref.)
Centrally acting sympatholytic agents in the treatment of congestive heart failure. A review of the literature. Manmontri A, et al. **Drugs** 1990 Aug;40(2):169–75 (28 ref.)
Role of angiotensin–converting enzyme inhibitors in congestive heart failure. Galvao M. **Heart Lung** 1990 Sep; 19(5 Pt 1):505–11 (32 ref.)
Therapeutic approaches affecting diastolic ventricular function. Warren SE, et al. **Herz** 1991 Feb;16(1):33–45 (93 ref.)
Coenzyme Q10: clinical benefits with biochemical correlates suggesting a scientific breakthrough in the management of chronic heart failure. Mortensen SA, et al. **Int J Tissue React** 1990;12(3):155–62 (16 ref.)
Development of dopaminergic drugs for the chronic treatment of congestive heart failure. Casagrande C, et al. **J Auton Pharmacol** 1990;10 Suppl 1:s85–93 (46 ref.)
Converting–enzyme inhibition in the management of severe chronic congestive heart failure: physiologic concepts. Packer M. **J Cardiovasc Pharmacol** 1987;10 Suppl 7:S83–7 (45 ref.)
Influence of drug therapy on myocardial hypertrophy in left ventricular failure. Taylor SH. **J Cardiovasc Pharmacol** 1987;10 Suppl 6:S141–7 (33 ref.)
Tailored therapy before transplantation for treatment of advanced heart failure: effective use of vasodilators and diuretics. Stevenson LW. **J Heart Lung Transplant** 1991 May–Jun;10(3):468–76 (21 ref.)
The measurement of quality of life in evaluating ACE inhibitors. Fletcher AE, et al. **J Hum Hypertens** 1990 Oct; 4 Suppl 4:45–9; discussion 49–50 (31 ref.)
Current role of digitalis therapy in patients with congestive heart failure. Kulick DL, et al. **JAMA** 1991 Jun 12; 265(22):2995–7 (43 ref.)
Pharmacologic treatment of heart failure. Nagelhout JJ. **Nurs Clin North Am** 1991 Jun;26(2):401–15 (17 ref.)
Cardiovascular drugs in children. II. Angiotensin–converting enzyme inhibitors in pediatric patients. Schneeweiss A. **Pediatr Cardiol** 1990 Oct;11(4):199–207 (53 ref.)
Therapeutic implications of diastolic dysfunction in heart failure. Dean JW, et al. **Postgrad Med J** 1990 Nov; 66(781):932–7 (32 ref.)
Medical management of congestive heart failure. Arai AE, et al. **West J Med** 1990 Oct;153(4):406–14 (73 ref.)
Congestive heart failure. New frontiers. Parmley WW, et al. **West J Med** 1991 Apr;154(4):427–41 (132 ref.)
Comparison of lisinopril and captopril in the treatment of left ventricular congestive heart failure—influence of duration of action on efficacy and safety. Giles TD. **Z Kardiol** 1991;80 Suppl 2:35–9 (15 ref.)
Experimental and clinical pharmacology of carvedilol and other drugs combining vasodilation and beta–adrenoceptor antagonism in a single molecule. Strein K, et al. **Z Kardiol** 1990;79 Suppl 3:89–98 (15 ref.)
[Phosphodiesterase inhibitors] Sarkis A, et al. **Ann Cardiol Angeiol (Paris)** 1990 Sep;39(7):427–31 (32 ref.) (Eng. Abstr.) **(Fre)**
[Role of the enoximone–dobutamine combination in the treatment of congestive cardiac insufficiency] Richard C, et al. **Arch Mal Coeur** 1990 Sep;83 Spec No 3:33–7 (16 ref.) (Eng. Abstr.) **(Fre)**
[Symptomatic treatment of chronic cardiac insufficiency] Zannad F. **Arch Mal Coeur** 1990 Nov;83(13):1927–34 (76 ref.) (Eng. Abstr.) **(Fre)**
[ACE inhibition in heart failure and compromised kidney function] Drexler H. **Klin Wochenschr** 1991;69 Suppl 24:59–64 (13 ref.) (Eng. Abstr.) **(Ger)**

[Treatment of heart failure: what--when--how?] Blömer H. **Verh Dtsch Ges Inn Med** 1990;96:157–67 (62 ref.) **(Ger)**

[Digitalis therapy in the aged] Erdmann E. **Verh Dtsch Ges Inn Med** 1990;96:258–65 (17 ref.) **(Ger)**

[Diuretic therapy in the aged] Mutschler E, et al. **Verh Dtsch Ges Inn Med** 1990;96:265–73 (25 ref.) **(Ger)**

[Pharmacology of heart failure-relevant substance groups] Scholz H. **Verh Dtsch Ges Inn Med** 1990;96:150–6 (36 ref.) **(Ger)**

[Side effects of vasodilator therapy in heart failure: risk of hypotension with ACE inhibitors] Kromer EP, et al. **Z Kardiol** 1991;80 Suppl 2:11–5 (36 ref.) (Eng. Abstr.) **(Ger)**

[Digitalis today: new strategies in the treatment of heart failure] Finotti P, et al. **Cardiologia** 1990 Apr;35(4):285–9 (31 ref.) **(Ita)**

[Heart failure] Yasuda H. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):443–6 (7 ref.) **(Jpn)**

[Treatment of heart failure with angiotensin converting enzyme inhibitors] Svarstad E, et al. **Tidsskr Nor Laegeforen** 1990 Sep 20;110(22):2896–9 (35 ref.) (Eng. Abstr.) **(Nor)**

[Principles of the treatment of myocardial failure] Korewicki J, et al. **Kardiol Pol** 1990 Feb;33(2):126–35 (32 ref.) **(Pol)**

[The use of lisinopril for congestive heart failure] Amodeo C. **Arq Bras Cardiol** 1990 Aug;55 Suppl A:A14–7 (5 ref.) **(Por)**

ENZYMOLOGY

Adrenergic receptor responsiveness and congestive heart failure. Stiles GL. **Am J Cardiol** 1991 May 6; 67(12):13C–17C (19 ref.)

[Alterations of the cAMP-adenylate cyclase system in the failing human heart. Consequences for the therapy with inotropic drugs] Böhm M, et al. **Klin Wochenschr** 1990 Sep 14;68(18):887–95 (67 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Role of endocardium in cardiac overloading and failure. Brutsaert DL. **Eur Heart J** 1990 Nov;11 Suppl G:8–16 (24 ref.)

The biological limits of cardiac adaptation to chronic overload. Swynghedauw B. **Eur Heart J** 1990 Nov;11 Suppl G:87–94 (25 ref.)

Limitations of thrombolytic therapy for acute myocardial infarction complicated by congestive heart failure and cardiogenic shock. Bates ER, et al. **J Am Coll Cardiol** 1991 Oct;18(4):1077–84 (93 ref.)

Peripartum cardiomyopathy: clinical and therapeutic characteristics. Ventura HO. **J La State Med Soc** 1991 May; 143(5):45–8 (22 ref.)

Death due to high-output cardiac failure in fetal sacrococcygeal teratoma. Bond SJ, et al. **J Pediatr Surg** 1990 Dec;25(12):1287–91 (14 ref.)

Valvular heart disease. A correctable cause of congestive heart failure. Currie PJ. **Postgrad Med** 1991 May 1; 89(6):123–6, 131–6 (30 ref.)

[Cardiac insufficiency caused by arteriovenous fistula. An unusual complication of spinal surgery] Ferrari E, et al. **Arch Mal Coeur** 1990 Oct;83(11):1727–8 (5 ref.) (Eng. Abstr.) **(Fre)**

[Arteriovenous fistula of the renal pedicle following nephrectomy responsible for heart failure. Report of 2 cases] Marcaggi X, et al. **Arch Mal Coeur** 1990 Oct; 83(11):1721–4 (10 ref.) (Eng. Abstr.) **(Fre)**

[Ventricular "remodeling" after myocardial infarction] Cohen-Solal A, et al. **Arch Mal Coeur Vaiss** 1991 Jun; 84(6):847–53 (60 ref.) (Eng. Abstr.) **(Fre)**

[Intralobar pulmonary sequestration manifested by neonatal cardiac insufficiency] Koskas M, et al. **Rev Mal Respir** 1991;8(2):242–5 (13 ref.) (Eng. Abstr.) **(Fre)**

[Conventional and Doppler echocardiography in the differential diagnosis of right heart failure] Josephs W, et al. **Bildgebung** 1990;57(1–2):5–10 (34 ref.) (Eng. Abstr.) **(Ger)**

[Heart failure in dilated cardiomyopathy. A disorder of cellular calcium homeostasis] Beuckelmann DJ, et al. **Dtsch Med Wochenschr** 1991 Mar 29;116(13):504–8 (24 ref.) **(Ger)**

[Neonatal cardiac insufficiency caused by a cerebral arteriovenous fistula. Review of the authors' cases] Acín Romero P, et al. **An Esp Pediatr** 1990 Jun;32(6):531–3 (28 ref.) (Eng. Abstr.) **(Spa)**

MORTALITY

Determinants of prognosis in heart failure and timing of operation. Borer JS. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):118–24 (23 ref.)

[Mortality in cardiac insufficiency. Evaluation of prognosis, influence of treatments] Komajda M, et al. **Arch Mal Coeur** 1990 Nov;83(13):1975–80 (23 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Cardiac manifestations of Weber–Christian disease: report and review of the literature. Lemley DE, et al. **J Rheumatol** 1991 May;18(5):756–60 (24 ref.)

[A case of fulminant hepatic failure secondary to congestive heart failure] Kuramoto M, et al. **Kokyu To Junkan** 1991 Jun;39(6):607–11 (11 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Physiology and pharmacology of cardiovascular catecholamine receptors: implications for treatment of chronic heart failure. Brodde OE. **Am Heart J** 1990 Dec; 120(6 (Pt 2)):1565–72 (56 ref.)

Neurohumoral activation in congestive heart failure. Mancia G. **Am Heart J** 1990 Dec;120(6 (Pt 2)):1532–7 (30 ref.)

Compensation and overcompensation in congestive heart failure. Opie LH. **Am Heart J** 1990 Dec;120(6 (Pt 2)):1552–7 (17 ref.)

Mechanisms in heart failure and the role of angiotensin-converting enzyme inhibition. Cohn JN. **Am J Cardiol** 1990 Oct 2;66(11):2D–6D (38 ref.)

Adaptive changes in the periphery and their therapeutic consequences. Drexler H, et al. **Am J Cardiol** 1991 May 6;67(12):29C–34C; discussion 34C–35C (52 ref.)

Neuroendocrine activation in congestive heart failure. Forfar JC. **Am J Cardiol** 1991 May 6;67(12):3C–5C (24 ref.)

Neuroendocrine activity in congestive heart failure. Francis GS. **Am J Cardiol** 1990 Oct 2;66(11):33D–38D; discussion 38D–39D (64 ref.)

Potential role of the tissue renin-angiotensin system in the pathophysiology of congestive heart failure. Hirsch AT, et al. **Am J Cardiol** 1990 Oct 2;66(11):22D–30D; discussion 30D–32D (131 ref.)

Local cardiac responses--alternative methods of control. Maisch B. **Am J Cardiol** 1991 May 6;67(12):6C–10C (21 ref.)

Assessment of exercise tolerance in chronic congestive heart failure. Solal AC, et al. **Am J Cardiol** 1991 May 6; 67(12):36C–40C (36 ref.)

Receptor function in heart failure. Bogaert MG, et al. **Am J Med** 1991 May 29;90(5B):10S–13S (27 ref.)

Circulatory abnormalities and compensatory mechanisms in heart failure. Burkart F, et al. **Am J Med** 1991 May 29; 90(5B):19S–22S (38 ref.)

Peripheral adaptations in congestive heart failure: a review. Just H. **Am J Med** 1991 May 29;90(5B):23S–26S (26 ref.)

Coupling between the heart and arterial system in heart failure. Sasayama S, et al. **Am J Med** 1991 May 29; 90(5B):14S–18S (13 ref.)

Hemodynamic determinants of exercise capacity in chronic heart failure. Myers J, et al. **Ann Intern Med** 1991 Sep 1;115(5):377–86 (115 ref.)

Significance of diastolic dysfunction of the heart. Lorell BH. **Annu Rev Med** 1991;42:411–36 (90 ref.)

Mitigation of beta 1- and/or beta 2-adrenoceptor function in human heart failure. Michel MC, et al. **Br J Clin Pharmacol** 1990;30 Suppl 1:37S–42S (22 ref.)

Is heart failure an abnormality of myocardial cell growth? Katz AM. **Cardiology** 1990;77(5):346–56 (64 ref.)

Pharmacological profile of ibopamine. A summary of experiments on anaesthesized dogs. Marchetti GV. **Cardiology** 1990;77 Suppl 5:22–9 (34 ref.)

The heart in congestive failure. Katz AM. **Cardioscience** 1990 Mar;1(1):3–6 (34 ref.)

Heart failure: role of cardiovascular reflexes. Shepherd JT. **Cardioscience** 1990 Mar;1(1):7–12 (27 ref.)

The mechanism of extertional fatigue in heart failure. Wilson JR, et al. **Cardioscience** 1990 Mar;1(1):13–7 (24 ref.)

Atrial natriuretic factor: physiologic actions and implications in congestive heart failure. Edwards BS, et al. **Cardiovasc Drugs Ther** 1987;1(1):89–100 (99 ref.)

Left ventricular dilatation and failure post-myocardial infarction: pathophysiology and possible pharmacologic interventions. Firth BG, et al. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1363–74 (89 ref.)

The pathophysiologic profile of congestive heart failure. Haber RH, et al. **Cardiovasc Drugs Ther** 1988 Nov;2 Suppl 1:397–400 (31 ref.)

Intracellular calcium in heart failure. Morgan JP. **Cardiovasc Drugs Ther** 1988 Mar;1(6):621–4 (8 ref.)

Diastolic function in left ventricular hypertrophy: clinical and experimental relationships. Lorell BH, et al. **Eur Heart J** 1990 Nov;11 Suppl G:54–64 (55 ref.)

Heart failure: mechanisms of cardiac and vascular dysfunction and the rationale for pharmacologic intervention. Francis GS, et al. **FASEB J** 1990 Oct; 4(13):3068–75 (82 ref.)

Renal mechanisms in heart failure. Birkenhäger WH, et al. **Herz** 1991 Apr;16(2):61–7 (53 ref.) **(Eng, Ger)**

Dopamine and the kidney in heart failure. Casagrande C. **Herz** 1991 Apr;16(2):102–15 (96 ref.) **(Eng, Ger)**

The renin-angiotensin system in heart failure. Cleland JG. **Herz** 1991 Apr;16(2):68–81 (91 ref.) **(Eng, Ger)**

Congestive heart failure in patients with normal left ventricular systolic function: a manifestation of diastolic dysfunction. Gaasch WH. **Herz** 1991 Feb;16(1):22–32 (91 ref.)

Atrial natriuretic factor in chronic heart failure. Northridge DB, et al. **Herz** 1991 Apr;16(2):92–101 (93 ref.)

Reflex control of renal sympathetic nervous activity in heart failure. Zucker IH, et al. **Herz** 1991 Apr;16(2):82–91 (33 ref.)

Reflex control in heart failure: a primer for physicians. Buchter CM, et al. **Hosp Pract (Off Ed)** 1991 Jun 15; 26(6):119–24, 126 (9 ref.)

Excitation–contraction coupling in heart failure. Lakatta EG. **Hosp Pract (Off Ed)** 1991 Jul 15;26(7):85–8, 91–8 (7 ref.)

Peripheral circulatory response in cardiac failure. Le Jemtel TH, et al. **Hosp Pract (Off Ed)** 1991 Sep 15;26(9):75–82 (10 ref.)

Exercise training in patients with impaired left ventricular function. Smith LK. **Med Sci Sports Exerc** 1991 Jun; 23(6):654–60 (14 ref.)

Abnormal intracellular modulation of calcium as a major cause of cardiac contractile dysfunction. Morgan JP. **N Engl J Med** 1991 Aug 29;325(9):625–32 (45 ref.)

[Congestive heart failure with intact systolic function] Bareiss P, et al. **Arch Mal Coeur Vaiss** 1991 Mar;84(3):321–7 (27 ref.) (Eng. Abstr.) **(Fre)**

[Mechanisms and consequences of changes of the vasomotor activity in cardiac insufficiency] Thuillez C, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:65–8 (14 ref.) (Eng. Abstr.) **(Fre)**

[Cardiac insufficiency in children. Mechanisms and treatment] Sassolas F, et al. **Pediatrie** 1991;46(3):229–35 (12 ref.) (Eng. Abstr.) **(Fre)**

[Neuroendocrine adaptations in chronic congestive heart failure] Castaigne A, et al. **Presse Med** 1991 Mar 30; 20(12):556–61 (33 ref.) (Eng. Abstr.) **(Fre)**

[Cardiovascular disorders during sleep] Messner-Pellenc P. **Presse Med** 1990 Nov 28;19(40):1851–6 (20 ref.) (Eng. Abstr.) **(Fre)**

[Role of prostaglandins in regulation of kidney function in heart failure] Riegger AJ. **Herz** 1991 Apr;16(2):116–23 (26 ref.) (Eng. Abstr.) **(Ger)**

[New aspects of the pathogenesis of heart failure] Erdmann E, et al. **Internist (Berl)** 1990 Oct;31(10):632–40 (75 ref.) **(Ger)**

[Changes in renal function in heart failure and their modification by conversion enzyme inhibitors] Heidland A, et al. **Klin Wochenschr** 1991;69 Suppl 24:65–72; discussion 72–4 (68 ref.) (Eng. Abstr.) **(Ger)**

[ACE inhibition: mechanisms of cardioprotection in chronic experimental heart failure] Riegger AJ. **Klin Wochenschr** 1991;69 Suppl 24:20–3 (7 ref.) (Eng. Abstr.) **(Ger)**

[Pathophysiology of heart insufficiency] Hess OM. **Schweiz Med Wochenschr** 1990 Dec 8;120(49):1833–7 (15 ref.) (Eng. Abstr.) **(Ger)**

[Pathophysiology of cardiorenal regulatory mechanisms in heart failure] Holtz J, et al. **Z Kardiol** 1991;80 Suppl 2:1–10 (117 ref.) (Eng. Abstr.) **(Ger)**

[Diastolic dysfunction in heart failure and its therapeutic implications] Schlesinger Z. **Harefuah** 1991 Jan 15; 120(2):92–4 (13 ref.) **(Heb)**

[Atrial natriuretic peptide in cardiac insufficiency] Visioli O, et al. **Cardiologia** 1990 Feb;35(2):101–11 (58 ref.) **(Ita)**

[Adrenergic mechanisms in pathophysiology and treatment of chronic circulatory failure] Witkowska M. **Kardiol Pol** 1990 Jan;33(1):50–7 (37 ref.) **(Pol)**

[Renin-angiotensin-aldosterone system in cardiac insufficiency] Ramires JA. **Arq Bras Cardiol** 1990 Aug;55 Suppl A:A6–7 (9 ref.) **(Por)**

[The role of atrial natriuretic factor in the regulation of the activity of the cardiovascular system] Baturova EA, et al. **Kardiologiia** 1991 Jan;31(1):91–3 (55 ref.) **(Rus)**

PREVENTION & CONTROL

Can heart failure be prevented, delayed, or reversed? Swan HJ. **Am Heart J** 1990 Dec;120(6 (Pt 2)):1540–6 (28 ref.)

Left ventricular dilatation and failure post-myocardial infarction: pathophysiology and possible pharmacologic interventions. Firth BG, et al. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1363–74 (89 ref.)

[Preoperative cardiovascular risk assessment] Erdmann E. **Internist (Berl)** 1991 Apr;32(4):220–5 (25 ref.) **(Ger)**

SURGERY

Skeletal muscle. New techniques for treating heart failure. Koroteyev A, et al. **AORN J** 1991 Apr;53(4):1005–20 (28 ref.)

Determinants of prognosis in heart failure and timing of operation. Borer JS. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):118–24 (23 ref.)

[Heart transplantation--current status and development] Reichart B, et al. **Internist (Berl)** 1990 Oct;31(10):641–7 (23 ref.) **(Ger)**

[Indications for lung and heart-lung transplantation] Wagner TO, et al. **Verh Dtsch Ges Inn Med** 1990;96:476–83 (5 ref.) **(Ger)**

THERAPY

Cardiac failure. Current therapeutic concepts. Anderson ST. **Aust Fam Physician** 1990 Jul;19(7):1055–9, 1062–3 (11 ref.)

Cardiac transplantation as therapy for heart failure. Stevenson LW, et al. **Curr Probl Cardiol** 1991 Apr; 16(4):217–305 (216 ref.)

The role of exercise therapy in patients with impaired ventricular function and chronic heart failure. Kellermann JJ. **J Cardiovasc Pharmacol** 1987;10 Suppl 6:S172–7 (25 ref.)

Chronic heart failure: early and prophylactic treatment. Poole-Wilson PA. **Rev Port Cardiol** 1990 Nov;9(11):879–83 (31 ref.)

New hope for failing hearts. Schmitt BP. **Va Med Q** 1991 Spring;118(2):103–5 (10 ref.)

[The current treatment of left-sided heart failure in acute myocardial infarct] Khadzhipetrov N, et al. **Vutr Boles** 1990;29(2):17–23 (0 ref.) **(Bul)**

[Therapeutic pleurodesis in spontaneous pneumothorax,

malignant pleural effusion, heart insufficiency and chylothorax] Storm HK, et al. **Ugeskr Laeger** 1991 Apr 1;153(14):989–92 (30 ref.) (Eng. Abstr.) **(Dan)**

[The treatment of acute severe cardiac insufficiency] Urban P. **Schweiz Med Wochenschr** 1990 Dec 8;120(49):1838–44 (29 ref.) (Eng. Abstr.) **(Fre)**

[Ventilating the cardiac patient] Kohl FV. **Internist (Berl)** 1991 Apr;32(4):199–205 (45 ref.) **(Ger)**

HEART FUNCTION TESTS

Hemodynamic monitoring: a technology assessment. Technology Subcommittee of the Working Group on Critical Care, Ontario Ministry of Health. **Can Med Assoc J** 1991 Jul 15;145(2):114–21 (50 ref.)

[Modern research methods in the newborn: respiratory and heart–circulatory functions] Stopfkuchen H. **Klin Anasthesiol Intensivther** 1989;37:161–3 (0 ref.) **(Ger)**

METHODS

[Clinical value of body surface mapping in the diagnosis of ischemic heart disease] Préda I, et al. **Orv Hetil** 1991 May 12;132(19):1019–26 (33 ref.) (Eng. Abstr.) **(Hun)**

HEART INJURIES

COMPLICATIONS

Plastic bullet arterial embolization following gunshot injury to the heart. Case report and review of the literature. Walden R, et al. **J Cardiovasc Surg (Torino)** 1990 Jul–Aug; 31(4):482–5 (34 ref.)

ETIOLOGY

Fatal left ventricular perforation following balloon mitral valvuloplasty. Butany J, et al. **Can J Cardiol** 1990 Oct; 6(8):343–7 (22 ref.)

[Heart and great vessel perforations from central venous catheterization] Putterman C. **Harefuah** 1990 Dec 16; 119(12):441–5 (39 ref.) **(Heb)**

PATHOLOGY

[Myofibril degeneration of heart muscle: histologic picture and pathophysiologic significance] Pedal I, et al. **Beitr Gerichtl Med** 1990;48:237–44 (17 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Blunt trauma to the heart: the pathophysiology of injury. Nirgiotis JG, et al. **J Emerg Med** 1990 Sep–Oct;8(5):617–23 (68 ref.)

HEART–LUNG BYPASS see **CARDIOPULMONARY BYPASS**

HEART–LUNG TRANSPLANTATION

Pulmonary considerations of organ transplantation. Part 3. Ettinger NA, et al. **Am Rev Respir Dis** 1991 Aug; 144(2):433–51 (198 ref.)

Heart–lung and lung transplantation for cystic fibrosis. Lewiston N, et al. **Clin Rev Allergy** 1991 Spring–Summer; 9(1–2):231–47 (23 ref.)

Heart and heart–lung transplantation at the Johns Hopkins Hospital. Johnson DL, et al. **Clin Transpl** 1990;:89–94 (13 ref.)

Heart–lung transplantation for cystic fibrosis. Higenbottam TW, et al. **J R Soc Med** 1991;84 Suppl 18:18–21 (31 ref.)

Heart–lung transplantation in 1990––indications, surgical technique, postoperative complications and outcome. Reichart B, et al. **Thorac Cardiovasc Surg** 1990 Oct; 38(5):271–5 (19 ref.)

[Lung transplantation] Svendsen UG, et al. **Ugeskr Laeger** 1990 Oct 1;152(40):2903–5 (2 ref.) (Eng. Abstr.) **(Dan)**

[Heart–lung preservation: historical evolution and current research data] Legal YM, et al. **Ann Chir** 1991;45(2):141–5 (57 ref.) (Eng. Abstr.) **(Fre)**

[Anesthesia and intensive care for heart–lung transplantation] Lafont D, et al. **Ann Fr Anesth Reanim** 1991;10(2):137–50 (82 ref.) (Eng. Abstr.) **(Fre)**

[Indications of cardiopulmonary transplantations] Lioté H, et al. **Ann Med Interne (Paris)** 1991;142(1):21–4 (15 ref.) **(Fre)**

[Techniques involved in the protection of the lung and heart–lung for the purpose of transplantation] Le Gal YM. **Rev Mal Respir** 1990;7(6):535–9 (53 ref.) (Eng. Abstr.) **(Fre)**

[Transplantation of the heart and of the heart–lung block (a review of the literature)] Peleshchuk AP, et al. **Vrach Delo** 1990 Jul;(7):47–50 (25 ref.) **(Rus)**

METHODS

Management of heart–lung transplant patients. Dennis C, et al. **Verh Dtsch Ges Inn Med** 1990;96:498–506 (24 ref.)

[Indications for lung and heart–lung transplantation] Wagner TO, et al. **Verh Dtsch Ges Inn Med** 1990;96:476–83 (5 ref.) **(Ger)**

[Current state of lung transplantation] Schilling W. **Z Erkr Atmungsorgane** 1990;175(3):111–9 (30 ref.) (Eng. Abstr.) **(Ger)**

STANDARDS

Heart–lung transplantation for patients with cystic fibrosis. A test of clinical wisdom. Fiel SB. **Arch Intern Med** 1991 May;151(5):870–2 (10 ref.)

HEART MITOCHONDRIA see **MITOCHONDRIA, HEART**

HEART MURMURS

DIAGNOSIS

[Mitral valve prolapse––a mysterious clinical syndrome] Kornacewicz-Jach Z. **Kardiol Pol** 1990;33(11–2):56–64 (40 ref.) **(Pol)**

HEART NEOPLASMS

Primary liposarcoma of the heart. Paraf F, et al. **Am J Cardiovasc Pathol** 1990;3(2):175–80 (25 ref.)

Leiomyosarcoma of the left atrium: case report and review of the literature. Fyfe AI, et al. **Can J Cardiol** 1991 May; 7(4):193–6 (14 ref.)

Neoplastic pericardial disease. Hancock EW. **Cardiol Clin** 1990 Nov;8(4):673–82 (43 ref.)

Myxoma of tricuspid valve [letter] Sharma SC, et al. **J Thorac Cardiovasc Surg** 1991 May;101(5):938–40 (5 ref.)

[Heart myxomas] Doria A, et al. **G Clin Med** 1990 Oct; 71(10):585–91 (67 ref.) **(Ita)**

COMPLICATIONS

Sudden unexpected death due to papillary fibroma of the aortic valve. Report of a case and review of the literature. Amr SS, et al. **Am J Forensic Med Pathol** 1991 Jun; 12(2):143–8 (26 ref.)

Incidence of tuberous sclerosis in patients with cardiac rhabdomyoma. Harding CO, et al. **Am J Med Genet** 1990 Dec;37(4):443–6 (26 ref.)

[Retrocardiac pheochromocytoma associated with a double carotid site. Diagnostic and therapeutic discussion] Peiffert B, et al. **Ann Chir** 1990;44(8):611–4 (24 ref.) (Eng. Abstr.) **(Fre)**

[Neurological disorders disclosing auricular myxoma: 3 cases] Bonnefoi B, et al. **Rev Neurol (Paris)** 1990;146(8–9):508–10 (14 ref.) (Eng. Abstr.) **(Fre)**

[Right ventricular myxoma complicated by paroxysmal atrial tachycardia: a surgical case report] Kamada S, et al. **Kyobu Geka** 1990 Dec;43(13):1100–4 (18 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Evaluation and management of Carney's complex: an illustrative case [see comments] Wallace TM, et al. **Cleve Clin J Med** 1991 May–Jun;58(3):248–50, 255–6 (21 ref.) Comment in: Cleve Clin J Med 1991 May–Jun;58(3):214.

Left atrial myxoma presenting as acute myocardial infarction. Namura M, et al. **Jpn J Med** 1990 Sep–Oct;29(5):537–41 (23 ref.)

[Capillary hemangioma of the left ventricle. A case report and review of the literature] Mesbahi R, et al. **Arch Mal Coeur** 1990 Aug;83(9):1455–8 (10 ref.) (Eng. Abstr.) **(Fre)**

[Cardiac angioma. A case report and review of the literature] Alitto F, et al. **G Ital Cardiol** 1990 Jul;20(7):639–41 (6 ref.) (Eng. Abstr.) **(Ita)**

[Computerized tomography and magnetic resonance in the study of the pericardium] Di Guglielmo L, et al. **Radiol Med (Torino)** 1990 Jul–Aug;80(1–2):140–52 (16 ref.) **(Ita)**

EPIDEMIOLOGY

Primary cardiac tumors––French studies of 533 cases. Blondeau P. **Thorac Cardiovasc Surg** 1990 Aug;38 Suppl 2:192–5 (0 ref.)

Incidence and clinical importance of cardiac tumors in China––review of the literature. Li GY. **Thorac Cardiovasc Surg** 1990 Aug;38 Suppl 2:205–7 (34 ref.)

Tumors of the heart. Incidence and clinical importance of cardiac tumors in Japan and operative technique for large left atrial tumors. Sezai Y. **Thorac Cardiovasc Surg** 1990 Aug;38 Suppl 2:201–4 (3 ref.)

GENETICS

Autosomal dominant transmission of the NAME syndrome (nevi, atrial myxoma, mucinosis of the skin and endocrine overactivity). Koopman RJ, et al. **Hum Genet** 1991 Jan; 86(3):300–4 (42 ref.)

[Familial cardiac myxoma with multiple and contralateral recurrence] Ohshima N, et al. **Kyobu Geka** 1990 Dec; 43(13):1060–6 (17 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Spontaneous regression of cardiac rhabdomyoma. Farooki ZQ, et al. **Am J Cardiol** 1991 Apr 15;67(9):897–9 (12 ref.)

Left atrial myxoma metastasizing to the aorta, with intraluminal growth causing renovascular hypertension. Kotani K, et al. **Cardiology** 1991;78(1):72–7 (20 ref.)

Lipomatous hamartoma of the tricuspid valve: echocardiographic–pathologic correlations. Crotty TB, et al. **Clin Cardiol** 1991 Mar;14(3):262–6 (20 ref.)

Left atrial myxoma. Misra GC, et al. **J Assoc Physicians India** 1990 Sep;38(9):652–3 (4 ref.)

Diagnosis of malignant cardiac disease by endomyocardial biopsy [see comments] Flipse TR, et al. **Mayo Clin Proc** 1990 Nov;65(11):1415–22 (24 ref.) Comment in: Mayo Clin Proc 1990 Nov;65(11):1506–9.

Cardiac relapses in myeloid leukemia: case report and review of the literature. Jankovic M, et al. **Pediatr Hematol Oncol** 1987;4(3):237–45 (21 ref.)

[Histopathologic study of cardiac myxoma. Apropos of 80 surgical cases] Loire R, et al. **Arch Anat Cytol Pathol** 1991; 39(1–2):5–13 (33 ref.) (Eng. Abstr.) **(Fre)**

[Is there a carcinologic malignant potentiality of cardiac myxoma?] Loire R. **Arch Mal Coeur Vaiss** 1991 Mar; 84(3):395–9 (35 ref.) (Eng. Abstr.) **(Fre)**

SECONDARY

Cardiac manifestations of acquired immune deficiency syndrome: a 1991 update. Kaul S, et al. **Am Heart J** 1991 Aug;122(2):535–44 (75 ref.)

Endocardial metastases of follicular thyroid carcinoma: a case report and review of the literature. Clare-Salzler MJ, et al. **Eur J Surg Oncol** 1991 Apr;17(2):219–23 (20 ref.)

Acute cor pulmonale secondary to metastatic tumor to the heart: a case report and literature review. Tallon JM, et al. **J Emerg Med** 1990 Nov–Dec;8(6):721–6 (30 ref.)

SURGERY

[Benign tumors of the heart (excluding myxoma). Experience with 9 surgically treated cases] Corbi P, et al. **Ann Cardiol Angeiol (Paris)** 1990 Sep;39(7):433–6 (15 ref.) (Eng. Abstr.) **(Fre)**

[Recurrence of intracardiac myxoma. A propos of 6 patients among 85 surgically treated] Loire R, et al. **Ann Cardiol Angeiol (Paris)** 1991 Jan;40(1):1–7 (42 ref.) (Eng. Abstr.) **(Fre)**

[A case of right atrial myxoma, originating from the eustachian valve] Nakamura M, et al. **Kyobu Geka** 1990 Oct;43(11):920–3 (15 ref.) (Eng. Abstr.) **(Jpn)**

[A case of infected left atrial myxoma] Kouzu S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jan;39(1):98–102 (16 ref.) (Eng. Abstr.) **(Jpn)**

[A case of right ventricular hemangioma] Oda K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Feb;39(2):200–3 (15 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Classification of malignant cardiac tumors with respect to oncological treatment. Löffler H, et al. **Thorac Cardiovasc Surg** 1990 Aug;38 Suppl 2:173–5 (21 ref.)

ULTRASONOGRAPHY

[Pericardial effusion simulating a tumor. The value of Doppler color echocardiography for its differentiation] Pérez de Juan MA, et al. **Arch Inst Cardiol Mex** 1991 Jan–Feb;61(1):75–8 (18 ref.) (Eng. Abstr.) **(Spa)**

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the heart. Turusov VS, et al. **IARC Sci Publ** 1990;(99):725–39 (31 ref.)

Juvenile bovine angiomatosis: a syndrome of young cattle. Watson TD, et al. **Vet Rec** 1990 Sep 15;127(11):279–82 (16 ref.)

HEART RATE

Regulation of heartbeat by G protein–coupled ion channels. Brown AM. **Am J Physiol** 1990 Dec;259(6 Pt 2):H1621–8 (44 ref.)

The neural regulation of circulation explored in the frequency domain. Malliani A, et al. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S103–8 (27 ref.)

A new feature for control of inappropriate high rate tracking in DDDR pacemakers. Lee MT, et al. **PACE** 1990 Dec; 13(12 Pt 2):1852–5 (11 ref.)

[Subsidiary rhythmicity in the area of the coronary sinus] Eliška O, et al. **Cesk Fysiol** 1991;40(3):273–82 (65 ref.) **(Cze)**

[Effects of heart rate increase by transesophageal stimulation on the left ventricular filling in the normal subject. A pulsed echo–Doppler study] Roul G, et al. **Arch Mal Coeur Vaiss** 1991 Feb;84(2):189–94 (20 ref.) (Eng. Abstr.) **(Fre)**

[Ventricular arrhythmia in young university students without evidence of heart disease] Rigou DG, et al. **Medicina (B Aires)** 1990;50(1):47–51 (24 ref.) (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Are all cardiac glycosides pharmacodynamically similar? [editorial] Joubert PH. **Eur J Clin Pharmacol** 1990; 39(4):317–20 (21 ref.)

Cardiovascular reactivity to psychosocial stressors. A review of the effects of beta-blockade. Mills PJ, et al. **Psychosomatics** 1991 Spring;32(2):209–20 (79 ref.)

[QT prolongation and circulatory arrest after an injection of erythromycin in a newborn infant] Benoit A, et al. **Arch Fr Pediatr** 1991 Jan;48(1):39–41 (12 ref.) (Eng. Abstr.)

(Fre)

[New aspects of frequency-dependent effect of class 1 anti-arrhythmia drugs. A critical analysis of useful subclassification] Weirich J, et al. **Z Kardiol** 1991 Mar; 80(3):177–86 (36 ref.) (Eng. Abstr.) (Ger)

PHYSIOLOGY

Intracellular free magnesium concentration: relevance to cardiovascular medicine. Rotevatn S, et al. **Acta Physiol Scand Suppl** 1991;599:125–33 (36 ref.)

Heart rate and beta-adrenergic mechanisms in acute myocardial infarction. Hjalmarson A. **Basic Res Cardiol** 1990;85 Suppl 1:325–33 (52 ref.)

Modifications of heart rate variability preceding the onset of tachyarrhythmias. Coumel P. **Cardiologia** 1990 Jan;35(1 Suppl):7–12 (24 ref.)

Cardiovascular responses as behavior. Engel BT, et al. **Circulation** 1991 Apr;83(4 Suppl):II9–13 (22 ref.)

Inferring vagal effects on the heart from changes in cardiac cycle length: implications for cycle time-dependency. Velden M, et al. **Int J Psychophysiol** 1990 Nov;10(1):85–93 (21 ref.)

A physiological approach to different concepts of rate adaptive cardiac pacing. Schaldach M, et al. **Med Prog Technol** 1990;16(4):235–46 (37 ref.)

Circadian rate variation in rate-adaptive pacing systems. Lee MT, et al. **PACE** 1990 Dec;13(12 Pt 2):1797–801 (5 ref.)

Enhancing the physiologic effectiveness of cardiac stimulators in heart rhythms' management using chronobiology. Bakken EE, et al. **Prog Clin Biol Res** 1990; 341A:347–61 (53 ref.)

[Role of the medulla in regulation of cardiovascular functions] Sun MK. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):55–8 (30 ref.) (Chi)

[Disorders of heart function and rhythm in central nervous system processes] Klossek H, et al. **Psychiatr Neurol Med Psychol Beih** 1990;43:12–8 (91 ref.) (Ger)

[Detection of spontaneous heart rate fluctuations] Lange V. **Psychiatr Neurol Med Psychol Beih** 1990;43:64–73 (31 ref.) (Ger)

[Some general factors affecting heart rate fluctuations] Michalik M, et al. **Psychiatr Neurol Med Psychol Beih** 1990; 43:45–52 (46 ref.) (Ger)

[Computer-assisted analysis of cardiorespiratory data in the neonatal period] Rother M, et al. **Psychiatr Neurol Med Psychol Beih** 1990;43:37–44 (22 ref.) (Ger)

[New methodologic aspects of the analysis of heart rate variability in newborn infants as a selected example for heart rate analysis with special signal properties] Witte H, et al. **Psychiatr Neurol Med Psychol Beih** 1990;43:89–99 (27 ref.) (Ger)

[Prognostic indicators in patients with a history of myocardial infarction] Halawa B, et al. **Pol Tyg Lek** 1990 Jun 4–11; 45(23–24):479–83 (31 ref.) (Pol)

[Maximal oxygen consumption and various physiological and somatic characteristics of students of the Białystok Medical Academy 1976–1977 and 1980–1986] Kiczka K, et al. **Rocz Akad Med Bialymst** 1988–89;33–34:177–207 (84 ref.) (Eng. Abstr.) (Pol)

[An analysis of the mechanisms accelerating the heart beat during stimulation of the vagus nerve] Smirnov VM. **Fiziol Zh SSSR** 1990 Oct;76(10):1265–72 (51 ref.) (Rus)

[The role of atrial natriuretic factor in the regulation of the activity of the cardiovascular system] Baturova EA, et al. **Kardiologiia** 1991 Jan;31(1):91–3 (55 ref.) (Rus)

[Biosensors and rate-responsive cardiac pacing] Rodríguez García J, et al. **Rev Esp Cardiol** 1990;43 Suppl 2:58–66 (39 ref.) (Eng. Abstr.) (Spa)

HEART RATE, FETAL

Recent technical progress in obstetrics and gynecology in Japan. Maeda K. **Front Med Biol Eng** 1990;2(2):81–7 (30 ref.)

Do electronic fetal heart rate monitors improve delivery outcomes? Kaiser G. **J Fla Med Assoc** 1991 May; 78(5):303–7 (8 ref.)

PHYSIOLOGY

Fetal monitoring and neonatal resuscitation: what the anaesthetist should know. Guay J. **Can J Anaesth** 1991 May;38(4 Pt 2):R74–88 (95 ref.) (Eng, Fre)

Whither electronic fetal monitoring? Sandmire HF. **Obstet Gynecol** 1990 Dec;76(6):1130–4 (30 ref.)

HEART RUPTURE

Myocardial rupture. Your patient's survival may depend on you. Stout B, et al. **Postgrad Med** 1991 Sep 1;90(3):115–22 (13 ref.)

[Syndrome of rupture of the mitral valve chordae: etiology, clinical aspects and surgical treatment] Skopin II, et al. **Grud Serdechnososudistaia Khir** 1991 May;(5):58–60 (58 ref.) (Rus)

HEART RUPTURE, POST-INFARCTION

[A case of combined septal perforation and cardiac rupture after acute myocardial infarction] Nishiwaki N, et al. **Kyobu Geka** 1991 Mar;44(3):261–4 (15 ref.) (Eng. Abstr.) (Jpn)

DIAGNOSIS

The role of echocardiography in the evaluation of mechanical complications of acute myocardial infarction. Buda AJ. **Circulation** 1991 Sep;84(3 Suppl):I109–21 (76 ref.)

PATHOLOGY

[Clinico-pathological observations in myocardial rupture] Tóth K, et al. **Morphol Igazsagugyi Orv Sz** 1990 Jul; 30(3):225–9 (42 ref.) (Eng. Abstr.) (Hun)

[Incidence and forms of clinical presentation of the various morphologic types of myocardial laceration in the acute phase of infarct. A 4 years' caseload at a coronary unit. A clinico-anatomic study of 193 successive cases] Perdigão C, et al. **Rev Port Cardiol** 1990 Jul–Aug;9(7–8):587–98 (52 ref.) (Eng. Abstr.) (Por)

PREVENTION & CONTROL

[The prevention of infarct expansion] Pitscheider W, et al. **G Ital Cardiol** 1991 Jan;21(1):67–73 (52 ref.) (Ita)

SURGERY

Successful surgical management of left ventricular free wall rupture in the course of myocardial infarction. Chemnitius JM, et al. **Eur J Cardiothorac Surg** 1991;5(1):51–5 (37 ref.)

[Repair of post-infarction interventricular communication in a 81-year-old patient] Aldakar M, et al. **Ann Cardiol Angeiol (Paris)** 1990 Sep;39(7):423–6 (17 ref.) (Eng. Abstr.) (Fre)

[Free-wall rupture during the acute phase of myocardial infarction. Apropos of 2 cases surgically treated with success] Jarry G, et al. **Arch Mal Coeur Vaiss** 1991 Apr; 84(4):563–7 (10 ref.) (Eng. Abstr.) (Fre)

[A successful surgical repair of ventricular septal perforation following acute myocardial infarction in a 83-year-old man] Morimoto Y, et al. **Kyobu Geka** 1990 Sep;43(10):815–8 (31 ref.) (Eng. Abstr.) (Jpn)

[A case of perforation of the interventricular septum with free wall rupture, in the acute phase of myocardial infarct, successfully treated with surgery] de Lima R, et al. **Rev Port Cardiol** 1990 Jul–Aug;9(7–8):619–24 (16 ref.) (Eng. Abstr.) (Por)

HEART RUPTURE, TRAUMATIC see **HEART INJURIES**

HEART SEPTAL DEFECTS, ATRIAL

COMPLICATIONS

Paradoxical embolism--an uncommon cause of stroke. Webster MW, et al. **Aust N Z J Med** 1990 Oct;20(5):723–5 (24 ref.)

Impending paradoxical embolism: a rare but important diagnosis. Speechly-Dick ME, et al. **Br Heart J** 1991 Mar; 65(3):163–5 (12 ref.)

DIAGNOSIS

Atrial septal aneurysm: recognition and clinical relevance. Belkin RN, et al. **Am Heart J** 1990 Oct;120(4):948–57 (59 ref.)

SURGERY

[Neonatal anatomical repair of transposition of great vessels associated with atrial septal defect. Apropos of 42 cases] Planché C, et al. **Arch Mal Coeur Vaiss** 1991 May; 84(5):669–73 (8 ref.) (Eng. Abstr.) (Fre)

[Seckel's syndrome associated with atrial septal defect: a case report and review of the literature in Japan] Fukuda S, et al. **Kyobu Geka** 1991 May;44(5):411–3 (20 ref.) (Eng. Abstr.) (Jpn)

THERAPY

[Non-surgical repair of atrial septal defect by "buttoned" double disk device in children. First results in 3 children] Worms AM, et al. **Arch Mal Coeur Vaiss** 1991 May; 84(5):623–6 (9 ref.) (Eng. Abstr.) (Fre)

HEART SEPTAL DEFECTS, VENTRICULAR

SURGERY

Surgical correction of ventricular septal defects in black and white children--an 11-year study. Klass BG, et al. **S Afr Med J** 1990 Dec 1;78(11):656–9 (16 ref.)

HEART SEPTUM

[A successful surgical repair of ventricular septal perforation following acute myocardial infarction in a 83-year-old man] Morimoto Y, et al. **Kyobu Geka** 1990 Sep;43(10):815–8 (31 ref.) (Eng. Abstr.) (Jpn)

[A case of combined septal perforation and cardiac rupture after acute myocardial infarction] Nishiwaki N, et al. **Kyobu Geka** 1991 Mar;44(3):261–4 (15 ref.) (Eng. Abstr.) (Jpn)

INJURIES

[Left ventricular-right atrial communication following mitral valve replacement] Yokoyama M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Sep;38(9):1483–7 (13 ref.) (Eng. Abstr.) (Jpn)

SURGERY

Optimal exposure of the mitral valve through an extended vertical transeptal approach. Alfieri O, et al. **Eur J Cardiothorac Surg** 1991;5(6):294–8; discussion 299 (15 ref.)

[A case of perforation of the interventricular septum with free wall rupture, in the acute phase of myocardial infarct, successfully treated with surgery] de Lima R, et al. **Rev Port Cardiol** 1990 Jul–Aug;9(7–8):619–24 (16 ref.) (Eng. Abstr.) (Por)

HEART SURGERY

Late complications involving the ascending aorta after cardiac surgery: recognition and management. Sabri MN, et al. **Am Heart J** 1991 Jun;121(6 (Pt 1)):1779–83 (31 ref.)

Intraoperative echocardiography. Lazar HL, et al. **Ann Thorac Surg** 1990 Dec;50(6):1010–8 (46 ref.)

The remodelling of skeletal muscle for indefatigable hemodynamic work. Odim JN, et al. **Can J Physiol Pharmacol** 1991 Feb;69(2):230–7 (29 ref.)

Cardiac sympathetic innervation and the prevention of sudden death. Schwartz PJ. **Cardiologia** 1990 Jan;35(1 Suppl):51–4 (42 ref.)

Blood coagulation and autologous blood transfusion in cardiac surgery. Inada E. **J Clin Anesth** 1990 Nov–Dec; 2(6):393–406 (84 ref.)

Anesthesia for cardiac surgery--an overview. el Sharkawy M. **Middle East J Anesthesiol** 1990 Oct;10(6):549–66 (59 ref.)

Dynamic cardiomyoplasty: an overview. Chiu RC. **PACE Pacing Clin Electrophysiol** 1991 Apr;14(4 Pt 1):577–84 (30 ref.)

The potential power output for skeletal muscle to provide cardiac assistance. Badylak SF. **Semin Thorac Cardiovasc Surg** 1991 Apr;3(2):116–8 (29 ref.)

Sedation, pain relief, and neuromuscular blockade in the postoperative cardiac surgical patient. Coyle JP. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):81–7 (38 ref.)

Postoperative hemostasis. Ellison N, et al. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):33–8 (31 ref.)

Postcardiotomy mechanical support. Golding LA. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):29–32 (23 ref.)

Immediate postoperative care of the cardiac surgical patient. Hendren WG, et al. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):3–12 (68 ref.)

Endocrine management of the open heart surgical patient. Hoogwerf BJ, et al. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):75–80 (42 ref.)

Management and control of infectious complications. Keys TF, et al. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):71–4 (24 ref.)

Acute renal failure after open heart surgery: newer concepts and current therapy. Paganini EP, et al. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):63–70 (30 ref.)

Management of ventilator dependency following heart surgery. Sivak ED. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):53–62 (65 ref.)

Perioperative myocardial infarction. Tuman KJ. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):47–52 (39 ref.)

[Cardiac surgery in the elderly] Jegaden O, et al. **Ann Cardiol Angeiol (Paris)** 1990 Dec;39(10):571–4 (16 ref.) (Eng. Abstr.) (Fre)

[Frequency of pathological changes of the upper gastrointestinal tract in patients awaiting heart surgery] Konermann M, et al. **Klin Wochenschr** 1990 Nov 9; 68(21):1059–65 (27 ref.) (Eng. Abstr.) (Ger)

[Effect of acute aprotinin (Gordox) therapy on hemostasis in heart surgery patients, with special reference to hyperfibrinolysis] Szécsi J, et al. **Orv Hetil** 1990 Dec 23; 131(51):2809–14 (44 ref.) (Eng. Abstr.) (Hun)

[Late cardiac tamponade in heart surgery practice] Babliak DE, et al. **Grud Serdechnososudistaia Khir** 1990 Dec; (12):26–30 (28 ref.) (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Perioperative stroke. Part II: Cardiac surgery and cardiogenic embolic stroke. Wong DH. **Can J Anaesth** 1991 May;38(4 Pt 1):471–88 (202 ref.)

Atrial tachyarrhythmias after cardiac surgery. Groves PH, et al. **Eur Heart J** 1991 Mar;12(3):458–63 (63 ref.)

Blood conservation. Chavez AM, et al. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):358–63 (29 ref.)

Pharmacologic support for postoperative low cardiac output. DiSesa VJ. **Semin Thorac Cardiovasc Surg** 1991 Jan; 3(1):13–23 (87 ref.)

Neuropsychiatric complications following cardiac surgery. Mills SA, et al. **Semin Thorac Cardiovasc Surg** 1991 Jan; 3(1):39–46 (88 ref.)

Rhythm disturbances after cardiac surgery. Moore SL, et al. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):24–8 (32 ref.)

[Deep infections of the sternal wound following heart surgery: postoperative mediastinitis] Aguado JM.

Enferm Infecc Microbiol Clin 1991 Apr;9(4):226–36 (118 ref.) **(Spa)**

METHODS

Blood conservation in cardiac surgery. Scott WJ, et al. **Ann Thorac Surg** 1990 Nov;50(5):843–51 (73 ref.)

Catheter ablation. Present role and projected impact on health care for patients with cardiac arrhythmias. Scheinman MM. **Circulation** 1991 May;83(5):1489–98 (73 ref.)

Perioperative considerations in Jehovah's Witnesses. Cooper JR Jr. **Int Anesthesiol Clin** 1990 Fall;28(4):210–5 (17 ref.)

New uses of the laser in thoracic and cardiovascular surgery. Michaelis LL, et al. **Jpn J Surg** 1990 Nov;20(6):620–6 (35 ref.)

Blood component therapy in open heart surgery. Daszyński J, et al. **Mater Med Pol** 1989 Jul–Sep;21(3):207–11 (50 ref.)

Autologous skeletal muscle, an alternative for cardiac assistance. Ruggiero R, et al. **PACE Pacing Clin Electrophysiol** 1991 Mar;14(3):480–91 (38 ref.)

Skeletal muscle as a myocardial substitute. Anderson DR, et al. **Proc Soc Exp Biol Med** 1991 Jun;197(2):109–18 (44 ref.)

PSYCHOLOGY

[Psychopathological disorders before and after heart surgery] Götze P. **Recenti Prog Med** 1991 Jan;82(1):54–8 (26 ref.) (Eng. Abstr.) **(Ita)**

STANDARDS

Valvular heart disease. A correctable cause of congestive heart failure. Currie PJ. **Postgrad Med** 1991 May 1; 89(6):123–6, 131–6 (30 ref.)

STATISTICS & NUMERICAL DATA

Cardiovascular surgery in blacks. Peniston RL, et al. **Cardiovasc Clin** 1991;21(3):321–39 (94 ref.)

TRENDS

[Coronary surgery: technical progress in the last decade] Santoli C, et al. **G Ital Cardiol** 1990 Jun;20(6):507–10 (45 ref.) **(Ita)**

HEART TRANSPLANTATION

Pediatric heart transplantation. Bernstein D, et al. **Adv Pediatr** 1990;37:413–39 (124 ref.)

Lymphomas following cardiac transplantation. Case report and review of the literature. Sklarin NT, et al. **Am J Hematol** 1991 Jun;37(2):105–11 (36 ref.)

Pulmonary considerations of organ transplantation. Part 3. Ettinger NA, et al. **Am Rev Respir Dis** 1991 Aug; 144(2):433–51 (198 ref.)

The pathology of heart allograft rejection. Winters GL. **Arch Pathol Lab Med** 1991 Mar;115(3):266–72 (53 ref.)

Drug management of the cardiac transplant patient. Hunt SA. **Cardiovasc Drugs Ther** 1988 Dec;2(5):687–91 (13 ref.)

Antimyosin imaging in cardiac transplant rejection. Johnson LL, et al. **Circulation** 1991 Sep;84(3 Suppl):I273–9 (31 ref.)

Rehabilitation strategies for the complex cardiac patient. Pashkow FJ. **Cleve Clin J Med** 1991 Jan–Feb;58(1):70–5 (56 ref.)

Heart–lung and lung transplantation for cystic fibrosis. Lewiston N, et al. **Clin Rev Allergy** 1991 Spring–Summer; 9(1–2):231–47 (23 ref.)

Heart and heart–lung transplantation at the Johns Hopkins Hospital. Johnson DL, et al. **Clin Transpl** 1990;:89–94 (13 ref.)

Control of cardiac transplant rejection. Woodley SL, et al. **Compr Ther** 1991 May;17(5):32–8 (14 ref.)

Cardiac transplantation. Burdine J, et al. **Crit Care Clin** 1990 Oct;6(4):927–45 (39 ref.)

Tailored therapy before transplantation for treatment of advanced heart failure: effective use of vasodilators and diuretics. Stevenson LW. **J Heart Lung Transplant** 1991 May–Jun;10(3):468–76 (21 ref.)

Anesthesia for cardiac transplantation. Clark NJ, et al. **Ma Tsui Hsueh Tsa Chi** 1990 Dec;28(4):471–92 (113 ref.)

Cardiac transplantation in children. Taylor SR, et al. **Perspect Pediatr Pathol** 1991;14:60–93 (45 ref.)

Thumb replantation after cardiac transplantation. Borah GL, et al. **Plast Reconstr Surg** 1991 Sep;88(3):499–502 (41 ref.)

Early postoperative care of the cardiac transplantation patient: routine considerations and immunosuppressive therapy. Bolman R 3d, et al. **Prog Cardiovasc Dis** 1990 Nov–Dec;33(3):137–48 (24 ref.)

Echocardiographic diagnosis of cardiac allograft rejection. Hsu DT, et al. **Prog Cardiovasc Dis** 1990 Nov–Dec; 33(3):149–60 (72 ref.)

Patient evaluation for cardiac transplantation. Levine AB, et al. **Prog Cardiovasc Dis** 1991 Jan–Feb;33(4):219–28 (61 ref.)

Determinants of prognosis in heart failure and timing of operation. Borer JS. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):118–24 (23 ref.)

Action of drugs in the denervated heart. Farrell TG, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):279–89 (50 ref.)

Mechanical circulatory support prior to cardiac transplantation. Pennington DG, et al. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):125–34 (40 ref.)

Neural and endocrine peptides in the transplanted heart. Wharton J, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul; 2(3):250–8 (66 ref.)

Heart transplantation in infants and children. Yacoub MH, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):206–12 (72 ref.)

Cardiac transplantation: current indications and limitations. Dec GW, et al. **Transplant Proc** 1991 Aug;23(4):2095–106 (82 ref.)

Intrathoracic transplantation. Kaye MP. **Transplant Proc** 1991 Feb;23(1 Pt 1):51–2 (0 ref.)

[Coronary artery–right ventricular fistula in a patient with heart transplantation. A complication of endomyocardial biopsy] Lefèvre T, et al. **Arch Mal Coeur** 1990 Oct; 83(11):1713–8 (10 ref.) (Eng. Abstr.) **(Fre)**

[Value of the association of blood cardioplegia and energetic warm reperfusion in cardiac transplantation] Pavie A, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):795–800 (19 ref.) (Eng. Abstr.) **(Fre)**

[Gingival hyperplasia in a heart transplant patient treated with cyclosporin A and nifedipine] Goffin M. **Rev Belge Med Dent** 1991;46(2):26–31 (25 ref.) (Eng. Abstr.) **(Fre)**

[Cardiac transplantation. Current aspects exemplified by personal experience] Defraigne JO, et al. **Rev Med Liege** 1991 Jun;46(6):314–28 (66 ref.) **(Fre)**

[Metabolic risk factors in heart surgery] Schwandt P. **Z Kardiol** 1990;79 Suppl 4:59–62 (24 ref.) (Eng. Abstr.) **(Ger)**

[Heart transplantation. State of the art in 1990] Religa Z. **Kardiol Pol** 1991;34(3):177–85 (28 ref.) **(Pol)**

[Transplantation of the heart and of the heart–lung block (a review of the literature)] Peleshchuk AP, et al. **Vrach Delo** 1990 Jul;(7):47–50 (25 ref.) **(Rus)**

[Design, efficiency and application of experimental methods in heart transplantation] Cabo J, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 39:64–70 (20 ref.) (Eng. Abstr.) **(Spa)**

[Heart transplantation in children. Indications. Previous cardiologic information. Guidelines for follow up studies] Maitre Azcárate MJ, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 39:48–52 (23 ref.) **(Spa)**

[Measures for critical support at the pre– and post–transplantation stage] Ruza F, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 39:60–4 (22 ref.) **(Spa)**

ADVERSE EFFECTS

Long–term results of cardiac transplantation. Hunt S, et al. **Annu Rev Med** 1991;42:437–47 (33 ref.)

Coronary angioplasty following cardiac transplantation: a case report and review of the literature. Prewitt KC, et al. **Cathet Cardiovasc Diagn** 1991 Jan;22(1):25–7 (11 ref.)

Long–term complications of cardiac transplantation. Miller LW. **Prog Cardiovasc Dis** 1991 Jan–Feb;33(4):229–82 (685 ref.)

Accelerated transplant coronary artery disease. Gao SZ, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):241–9 (57 ref.)

[Causes of failure analysis after cardiac transplantation. From a consecutive series of 91 cases] Ninet J, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):811–6 (14 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Cardiac and lung transplantation. Mullins P, et al. **Curr Opin Immunol** 1989–90;2(6):837–41 (17 ref.)

Molecular and cellular mechanisms of action of drugs used to modulate the immune response. Dupont E. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):175–80 (51 ref.)

Influence of human leukocyte antigen matching in cardiac transplantation. Festenstein H, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):213–20 (53 ref.)

Strategies of immunosuppression in cardiac transplantation. Renlund DG, et al. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):181–8 (39 ref.)

Mechanisms of cardiac allograft rejection and avenues for immunological monitoring. Rose ML, et al. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):162–74 (73 ref.)

Avenues for acquired immune tolerance. Wood KJ, et al. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):189–97 (56 ref.)

Aspergillus infection of the L3–L4 disc space in an immunosuppressed heart transplant patient. Castelli C, et al. **Spine** 1990 Dec;15(12):1369–73 (22 ref.)

Factors affecting early diagnosis of organ allograft rejection. Burdick JF, et al. **Transplant Proc** 1991 Aug;23(4):2047–51 (34 ref.)

Vascular rejection of human cardiac allografts and the role of humoral immunity in chronic allograft rejection. Hammond EH, et al. **Transplant Proc** 1991 Apr;23(2 Suppl 2):26–30 (30 ref.)

Notes on FK 506. Starzl TE, et al. **Transplant Proc** 1991 Aug;23(4):2178–9 (10 ref.)

METHODS

Cardiac transplantation as therapy for heart failure. Stevenson LW, et al. **Curr Probl Cardiol** 1991 Apr; 16(4):217–305 (216 ref.)

Cardiac transplantation. How recipients are selected. Ventura HO, et al. **Postgrad Med** 1991 Aug;90(2):131–2, 135–8 (9 ref.)

Donor procurement and surgical techniques for cardiac transplantation. Yacoub M, et al. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):153–61 (59 ref.)

[Heart transplantation––current status and development] Reichart B, et al. **Internist (Berl)** 1990 Oct;31(10):641–7 (23 ref.) **(Ger)**

[Heart transplantation. Developments up to now and prognosis] Stache G. **Versicherungsmedizin** 1990 Dec 1; 42(6):179–83 (18 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

The pathology of transplanted hearts. Billingham ME. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):233–40 (24 ref.)

PHYSIOLOGY

Physiology of the orthotopic cardiac transplant recipient. Banner NR, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul; 2(3):259–70 (109 ref.)

Arrhythmias and clinical electrophysiology of the transplanted human heart. Liem LB, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):271–8 (37 ref.)

[Noninvasive monitoring of rejection in heart transplant patients. An overview of current status and use at a small transplant center] Wasler A, et al. **Wien Klin Wochenschr** 1991;103(4):105–10 (51 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Coping with heart transplantation: a challenge for liaison psychiatry. Zumbrunnen R. **Psychother Psychosom** 1989; 52(1–3):66–73 (38 ref.)

REHABILITATION

Responses to acute exercise and training after cardiac transplantation: a review. Shephard RJ. **Can J Sport Sci** 1991 Mar;16(1):9–22 (165 ref.)

Exercise training after cardiac transplantation. Squires RW. **Med Sci Sports Exerc** 1991 Jun;23(6):686–94 (40 ref.)

[The therapeutic problems of the heart transplant] Peleshchuk AP, et al. **Vrach Delo** 1991 May;(5):11–4 (21 ref.) **(Rus)**

TRENDS

[The problems and prospects of heart transplantation (a review of the literature)] Peleshchuk AP, et al. **Vrach Delo** 1990 Apr;(4):32–4 (15 ref.) **(Rus)**

HEART VALVE DISEASES

Large valvular vegetations in infective endocarditis. Dart R, et al. **Md Med J** 1991 May;40(5):361–4 (19 ref.)

[Native valve endocarditis caused by Staphylococcus epidermidis] Aguado JM. **Enferm Infecc Microbiol Clin** 1989 Apr;7(4):210–6 (41 ref.) **(Spa)**

COMPLICATIONS

Perivalvular extension of infection in patients with infectious endocarditis. Carpenter JL. **Rev Infect Dis** 1991 Jan–Feb; 13(1):127–38 (56 ref.)

DIAGNOSIS

Valvular heart disease. Part I: Diagnosis. Ho BP. **Aust Fam Physician** 1990 Jul;19(7):1080–5, 1088, 1091–3 (7 ref.)

Doppler echocardiography versus cardiac catheterization in the evaluation of valvular heart disease: do we have a gold standard? Schwinger ME. **Clin Cardiol** 1991 May; 14(5):369–73 (53 ref.)

Mitral annular calcification: significant and worth acting upon. Aronow WS. **Geriatrics** 1991 Apr;46(4):73–5, 79–80, 85–6 (33 ref.)

NMR assessment of valvular disease. Herfkens RJ. **Radiol Med (Torino)** 1990 Jul–Aug;80(1–2):111–7 (25 ref.)

[Bicycle ergometry in heart valve defects] Terzieva L. **Vutr Boles** 1990;29(3):26–34 (0 ref.) **(Bul)**

[Doppler color echocardiography flow mapping: basic principles, normal flow patterns and main clinical applications] Lima CO, et al. **Arq Bras Cardiol** 1990 Jun; 54(6):401–6 (33 ref.) **(Por)**

DRUG THERAPY

Antithrombotic therapy for coronary artery disease and valvular heart disease. Israel DH, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):705–43 (121 ref.)

[The current indications for antithrombotic treatment in valve disease] del Río del Busto A, et al. **Rev Esp Cardiol** 1991 Mar;44(3):190–202 (89 ref.) **(Spa)**

ETIOLOGY

Radiation–associated valvular disease. Carlson RG, et al. **Chest** 1991 Mar;99(3):538–45 (32 ref.)

[Active infective endocarditis complicated by paravalvular abscess. Review of 40 cases] González Vílchez FJ, et al. **Rev Esp Cardiol** 1991 May;44(5):306–12 (55 ref.) (Eng.

Abstr.) (Spa)

IMMUNOLOGY

[Anti-endocardium antibodies and inversion of autoimmunity mechanisms in the chronic phase of rheumatic fever] Argüelles E. **Arq Bras Cardiol** 1990 May;54(5):343–6 (27 ref.) (Por)

PATHOLOGY

Lipomatous hamartoma of the tricuspid valve: echocardiographic-pathologic correlations. Crotty TB, et al. **Clin Cardiol** 1991 Mar;14(3):262–6 (20 ref.)

PHYSIOPATHOLOGY

Diastolic function in valvular heart disease. Hess OM, et al. **Herz** 1991 Apr;16(2):124–9 (22 ref.) (Eng, Ger)

RADIONUCLIDE IMAGING

The clinical role of metabolic imaging of the heart by positron emission tomography. Schwaiger M, et al. **J Nucl Med** 1991 Apr;32(4):565–78 (101 ref.)

SURGERY

Impact of coronary artery disease on valvular heart surgery. Lytle BW. **Cardiol Clin** 1991 May;9(2):301–14 (57 ref.)

Cardioplegia by way of the coronary sinus for valvular and coronary surgery. Menasche P, et al. **J Am Coll Cardiol** 1991 Aug;18(2):628–36 (52 ref.)

Clinical problems in patients with prosthetic heart valves. Mazeika P, et al. **J R Coll Physicians Lond** 1990 Jul; 24(3):167–72 (41 ref.)

[Viability of new valvular homografts. An evaluation at the Henri Mondor Hospital] Bloch G, et al. **Ann Chir** 1990; 44(8):593–8 (23 ref.) (Eng. Abstr.) (Fre)

[Infectious endocarditis on native valves. Report of a series of 142 surgically treated cases] Potier JC, et al. **Rev Med Interne** 1989 Sep-Oct;10(5):420–8 (40 ref.) (Eng. Abstr.) (Fre)

[Extracardiac risk factors in heart surgery—the kidney] Grabensee B, et al. **Z Kardiol** 1990;79 Suppl 4:47–57 (49 ref.) (Eng. Abstr.) (Ger)

THERAPY

Balloon valvuloplasty and angioplasty of stenotic lesions of the heart and great vessels in children. Rao PS. **Adv Pediatr** 1990;37:33–76 (222 ref.)

Valvular heart disease. A correctable cause of congestive heart failure. Currie PJ. **Postgrad Med** 1991 May 1; 89(6):123–6, 131–6 (30 ref.)

[Method-related complications of balloon catheter valvuloplasty of heart valve stenosis in children and adults] Romaniuk P, et al. **Radiol Diagn (Berl)** 1990;31(6):555–67 (0 ref.) (Eng. Abstr.) (Ger)

ULTRASONOGRAPHY

Evaluation of valvular regurgitation by Doppler echocardiography. Smith MD. **Cardiol Clin** 1991 May; 9(2):193–228 (165 ref.)

[Critical evaluation of echocardiography with color flow mapping] Camarano GP, et al. **Rev Port Cardiol** 1990 Oct; 9(10):807–11 (59 ref.) (Por)

[Doppler echocardiography in physiologic valvular insufficiencies] Asín Cardiel E, et al. **Rev Esp Cardiol** 1991 Feb;44(2):119–26 (31 ref.) (Spa)

HEART VALVE PROSTHESIS

Mechanical failure of a St. Jude Medical prosthesis. Orsinelli DA, et al. **Am J Cardiol** 1991 Apr 15;67(9):906–8 (7 ref.)

Mechanical cardiac valvular prostheses. Akins CW. **Ann Thorac Surg** 1991 Jul;52(1):161–72 (41 ref.)

Mitral valve replacement in idiopathic hypereosinophilic syndrome. Boustany CW Jr, et al. **Ann Thorac Surg** 1991 Jun;51(6):1007–9 (14 ref.)

Long-term function in University of Cape Town prostheses in the tricuspid position. Galvin IF, et al. **Ann Thorac Surg** 1991 Sep;52(3):552–4 (8 ref.)

Prosthetic valve endocarditis. Counsell CE, et al. **Br J Hosp Med** 1991 Jul;46(1):28–31 (26 ref.)

Mitral valve replacement: mechanical versus bioprosthetic valves--a clinical review. Rao V, et al. **Can J Cardiol** 1991 Jul-Aug;7(6):259–64 (35 ref.)

Nonsurgical treatment of Histoplasma endocarditis involving a bioprosthetic valve. Kanawaty DS, et al. **Chest** 1991 Jan; 99(1):253–6 (18 ref.)

Echocardiographic assessment of prosthetic valves. Nanda NC, et al. **Circulation** 1991 Sep;84(3 Suppl):I228–39 (82 ref.)

Anesthetic management of a hypothyroid cardiac surgical patient. Whitten CW, et al. **J Cardiothorac Vasc Anesth** 1991 Apr;5(2):156–9 (28 ref.)

Prosthetic valve endocarditis: a continuing challenge for infection control. Karchmer AW. **J Hosp Infect** 1991 Jun; 18 Suppl A:355–66 (49 ref.)

Clinical problems in patients with prosthetic heart valves. Mazeika P, et al. **J R Coll Physicians Lond** 1990 Jul; 24(3):167–72 (41 ref.)

Perivalvular extension of infection in patients with infectious endocarditis. Carpenter JL. **Rev Infect Dis** 1991 Jan-Feb; 13(1):127–38 (56 ref.)

Brucella endocarditis: the role of combined medical and surgical treatment. Jacobs F, et al. **Rev Infect Dis** 1990 Sep-Oct;12(5):740–4 (44 ref.)

Endocarditis due to Trichosporon beigelii: in vitro susceptibility of isolates and review. Keay S, et al. **Rev Infect Dis** 1991 May-Jun;13(3):383–6 (34 ref.)

Surgery for degenerative mitral valve disease. Cosgrove DM. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):183–93 (38 ref.)

Effect of mitral annuloplasty ring in left ventricular function. David TE. **Semin Thorac Cardiovasc Surg** 1989 Oct; 1(2):144–8 (22 ref.)

[Fungal endocarditis after open heart surgery] Zhang TS, et al. **Chung Hua Wai Ko Tsa Chih** 1990 Nov; 28(11):699–700, 685 (19 ref.) (Chi)

[Evaluation of the normal bioprosthetic Intact aortic valve by Doppler echocardiography] Etienne Y, et al. **Arch Mal Coeur** 1990 Dec;83(14):2039–44 (27 ref.) (Eng. Abstr.) (Fre)

[Evaluation of 90 normal aortic valve prosthesis of the Saint-Jude Medical type by echocardiography] Maribas P, et al. **Arch Mal Coeur** 1990 Oct;83(11):1653–8 (5 ref.) (Eng. Abstr.) (Fre)

[Mid-term results of heart valve replacement with 2 types of pericardial heterograft. Apropos of 208 cases] Michel PL, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):785–91 (29 ref.) (Eng. Abstr.) (Fre)

[Subacute endocarditis on a prosthetic valve due to Actinobacillus actinomycetemcomitans. A new classic] Deleixhe M, et al. **Rev Med Liege** 1991 Mar;46(3):123–30 (21 ref.) (Fre)

[Doppler echocardiography in prosthetic heart valve replacement] Flachskampf FA, et al. **Dtsch Med Wochenschr** 1991 Jul 5;116(27):1069–75 (18 ref.) (Ger)

[Heart valve prosthesis, pregnancy and anticoagulant therapy] Castino PM, et al. **Minerva Ginecol** 1991 Jan-Feb; 43(1-2):23–7 (17 ref.) (Eng. Abstr.) (Ita)

[Survival and functional results after valve replacement] Amano K. **Kokyu To Junkan** 1990 Oct;38(10):951–61 (50 ref.) (Jpn)

[A case report of isolated congenital tricuspid regurgitation] Nakakura H, et al. **Kyobu Geka** 1990 Aug;43(9):733–5 (9 ref.) (Eng. Abstr.) (Jpn)

[Report of a case which survived rupture in a hepatic artery mycotic aneurysm after aortic valve replacement] Makino T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Jul; 38(7):1236–40 (20 ref.) (Eng. Abstr.) (Jpn)

[Left atrial thrombus in the early postoperative period after mitral valve replacement] Take A, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jul;39(7):1039–48 (46 ref.) (Eng. Abstr.) (Jpn)

[Repeat surgery in patients with heart valve prostheses] Narsiia BE. **Grud Serdechnososudistaia Khir** 1991 Feb; (2):45–8 (63 ref.) (Rus)

[Endocarditis caused by Actinobacillus actinomycetemcomitans on a prosthetic valve (letter)] Rojo P, et al. **Enferm Infecc Microbiol Clin** 1990 Mar;8(3):191–2 (13 ref.) (Spa)

[Heart valve diseases (XVIII). The mechanical versus biological prosthesis controversy in 1991] Martínez-Caro D, et al. **Rev Esp Cardiol** 1991 May;44(5):330–40 (85 ref.) (Spa)

ADVERSE EFFECTS

Pregnancy and childbearing in a population with biologic valvular prostheses. Badduke BR, et al. **J Thorac Cardiovasc Surg** 1991 Aug;102(2):179–86 (25 ref.)

[Late occlusive thrombosis of mitral prosthesis with sinus rhythm. Report of two surgically treated patients] Tabone X, et al. **Ann Cardiol Angeiol (Paris)** 1990 Oct;39(8):467–70 (9 ref.) (Eng. Abstr.) (Fre)

[Brucella endocarditis on Starr aortic valve prosthesis] Kamoun S, et al. **Arch Mal Coeur Vaiss** 1991 Feb; 84(2):269–71 (10 ref.) (Eng. Abstr.) (Fre)

[Thrombosis of mechanical heart valve prosthesis. Value of transesophageal echocardiography in the study of mitral valve prosthesis] Roudaut R, et al. **Arch Mal Coeur Vaiss** 1991 Apr;84(4):503–9 (13 ref.) (Eng. Abstr.) (Fre)

[A rare cause of obstruction of mitral valve prosthesis: periannular fibrosis. Diagnostic by transesophageal echocardiography] Roudaut R, et al. **Arch Mal Coeur Vaiss** 1991 Feb;84(2):261–3 (12 ref.) (Eng. Abstr.) (Fre)

[Left ventricular-right atrial communication following mitral valve replacement] Yokoyama M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Sep;38(9):1483–7 (13 ref.) (Eng. Abstr.) (Jpn)

[Surgical treatment of endocarditis of prosthetic heart valves] Kolesnikova NI. **Grud Serdechnososudistaia Khir** 1991 Mar; (3):57–9 (40 ref.) (Rus)

[Endocarditis caused by Haemophilus: early surgical treatment? (letter)] Pedro-Botet ML, et al. **Enferm Infecc Microbiol Clin** 1990 May;8(5):325–6 (10 ref.) (Spa)

[Heart valve diseases. XI. Prosthetic valve dysfunction] García del Castillo H, et al. **Rev Esp Cardiol** 1990 Oct; 43(8):569–80 (85 ref.) (Spa)

CONTRAINDICATIONS

[Extracardiac risk factors in heart surgery--the kidney] Grabensee B, et al. **Z Kardiol** 1990;79 Suppl 4:47–57 (49 ref.) (Eng. Abstr.) (Ger)

INSTRUMENTATION

Choosing a prosthetic heart valve. Wernly JA, et al. **Cardiol Clin** 1991 May;9(2):329–38 (48 ref.)

METHODS

[New valvular homografts. Prospects and limits of their viability. Report of 42 implantations] Bloch G, et al. **Arch Mal Coeur** 1990 Oct;83(11):1661–7 (27 ref.) (Eng. Abstr.) (Fre)

[Late results of isolated aortic valve replacement by Björk-Shiley prosthesis. Apropos of 596 cases] Jegaden O, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84(1):47–54 (27 ref.) (Eng. Abstr.) (Fre)

MORTALITY

Long-term results of aortic valve replacement. Crumbley AJ 3d, et al. **Cardiol Clin** 1991 May;9(2):353–80 (161 ref.)

Mitral valve repair versus replacement. Yun KL, et al. **Cardiol Clin** 1991 May;9(2):315–27 (77 ref.)

Long-term results of mitral valve repair. Loop FD. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):203–10 (26 ref.)

HEART VALVES

PATHOLOGY

[Pathology of the cardiac valves] Okada R. **J Cardiol Suppl** 1991;25:35–41; discussion 42–3 (22 ref.) (Eng. Abstr.) (Jpn)

PHYSIOLOGY

[Physiology of the heart valves] Nakamura Y. **J Cardiol Suppl** 1991;25:45–50; discussion 51–2 (26 ref.) (Eng. Abstr.) (Jpn)

TRANSPLANTATION

[Viability of new valvular homografts. An evaluation at the Henri Mondor Hospital] Bloch G, et al. **Ann Chir** 1990; 44(8):593–8 (23 ref.) (Eng. Abstr.) (Fre)

ULTRASONOGRAPHY

Evaluation of valvular regurgitation by Doppler echocardiography. Smith MD. **Cardiol Clin** 1991 May; 9(2):193–228 (165 ref.)

[Doppler echocardiography in physiologic valvular insufficiencies] Asín Cardiel E, et al. **Rev Esp Cardiol** 1991 Feb;44(2):119–26 (31 ref.) (Spa)

HEART VENTRICLE

see related
VENTRICULAR FUNCTION

[Relationship between left ventricular mass and prognosis of arterial hypertension] Devereux RB. **Arch Mal Coeur Vaiss** 1990 Dec;83 Spec No 4:51–7 (30 ref.) (Eng. Abstr.) (Fre)

PHYSIOLOGY

Theoretical study of pressure-volume relation in left ventricle. Shoucri RM. **Am J Physiol** 1991 Jan;260(1 Pt 2):H282–91 (27 ref.)

PHYSIOPATHOLOGY

Pacemaker atrial lead dislodgement and malposition inducing ventricular pacing. Johnson CD. **Bol Asoc Med P R** 1991 Mar;83(3):99–108 (30 ref.)

Standards for analysis of ventricular late potentials using high resolution or signal-averaged electrocardiography. A statement by a Task Force Committee between the European Society of Cardiology, the American Heart Association and the American College of Cardiology. Breithardt G, et al. **Eur Heart J** 1991 Apr;12(4):473–80 (102 ref.)

Consequences of acute ischemia for the electrical and mechanical function of the ventricular myocardium. A brief review. Kléber AG. **Experientia** 1990 Dec 1; 46(11-12):1162–7 (63 ref.)

Ventricular arrhythmias in children with an apparently normal heart. Yabek SM. **J Pediatr** 1991 Jul;119(1 (Pt 1)):1–11 (63 ref.)

[Ventricular "remodeling" after myocardial infarction] Cohen-Solal A, et al. **Arch Mal Coeur Vaiss** 1991 Jun; 84(6):847–53 (60 ref.) (Eng. Abstr.) (Fre)

[Signal averaging high resolution electrocardiogram. Ventricular late potentials] Paylos JM. **Rev Esp Cardiol** 1990 Nov;43(9):591–603 (90 ref.) (Spa)

SURGERY

[Reconstruction of the left ventricle by circular endoventriculoplasty with septal exclusion] Dor V, et al. **Arch Mal Coeur** 1990 Oct;83(11):1687–94 (12 ref.) (Eng. Abstr.) (Fre)

ULTRASONOGRAPHY

Left ventricular myocardial mass determined by cross-sectional echocardiography in normal newborns, infants, and children. Vogel M, et al. **Pediatr Cardiol** 1991 Jul;12(3):143-9 (29 ref.)

HEART VENTRICLE, ARTIFICIAL see **HEART-ASSIST DEVICES**

HEART VOLUME see **CARDIAC VOLUME**

HEARTBURN

Counseling the patient with heartburn. Horn JR. **Am Pharm** 1991 Mar;NS31(3):86-91 (20 ref.)

HEARTWATER DISEASE

PREVENTION & CONTROL

Methods currently used for the control of heartwater: their validity and proposals for future control strategies. Uilenberg G. **Parassitologia** 1990 Apr;32(1):55-62 (25 ref.)

HEARTWORM DISEASE see **DIROFILARIASIS**

HEAT

see related
CALORIMETRY

Synthesis and availability of niacin in roasted coffee. Adrian J, et al. **Adv Exp Med Biol** 1991;289:49-59 (52 ref.)

Effects of elevated temperature on the epididymis and testis: experimental studies. Bedford JM. **Adv Exp Med Biol** 1991; 286:19-32 (37 ref.)

Is testicular function in immature rats increased rather than decreased by a moderate increase in temperature? Bergh AR. **Adv Exp Med Biol** 1991;286:179-82 (19 ref.)

Reduction of whey protein allergenicity by processing. Jost R, et al. **Adv Exp Med Biol** 1991;289:309-20 (24 ref.)

The biological responses to heat. Pontiggia P, et al. **Adv Exp Med Biol** 1990;267:271-91 (57 ref.)

Oxidative injury and the heat shock response. Donati YR, et al. **Biochem Pharmacol** 1990 Dec 15;40(12):2571-7 (58 ref.)

Heat shock, stress proteins, chaperones, and proteotoxicity. Hightower LE. **Cell** 1991 Jul 26;66(2):191-7 (28 ref.)

Heat shock factor and the heat shock response. Sorger PK. **Cell** 1991 May 3;65(3):363-6 (29 ref.)

Quantitative structure-activity relationships of heterocyclic amine mutagens formed during the cooking of food. Hatch FT, et al. **Environ Mol Mutagen** 1991;17(1):4-19 (90 ref.)

Immunochemical probes for food proteins after heat processing. Paraf A, et al. **Experientia** 1991 Jun 15; 47(6):585-92 (29 ref.)

Physics of thermal processes in laser-tissue interaction. McKenzie AL. **Phys Med Biol** 1990 Sep;35(9):1175-209 (150 ref.)

New mutagens from cooked food. Felton JS, et al. **Prog Clin Biol Res** 1990;347:19-38 (49 ref.)

Carcinogenicity of mutagens from cooked meats. Larsen JC, et al. **Prog Clin Biol Res** 1990;347:89-108 (57 ref.)

Antimutagenic heat stable antioxidants. Osawa T, et al. **Prog Clin Biol Res** 1990;347:223-38 (40 ref.)

[Molecular cell biology of the heat stress response. II] Nover L. **Naturwissenschaften** 1990 Aug;77(8):359-65 (37 ref.) (Eng. Abstr.) **(Ger)**

[Structure and effects of benzodiazepines on hepatic microsomal monooxygenases in rats exposed to environmental temperature] Pachecka J, et al. **Folia Med Cracov** 1990;31(3):217-24 (8 ref.) (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Damages to feed proteins and their nutritional consequences: a review. Hegedüs M. **Acta Vet Hung** 1990;38(3):125-41 (41 ref.)

Formation of meat mutagens. Jägerstad M, et al. **Adv Exp Med Biol** 1991;289:83-105 (62 ref.)

Effects of heat and chemical stress on development. Petersen NS. **Adv Genet** 1990;28:275-96 (110 ref.)

[The role of heat-shock proteins] Lipińska B. **Postepy Biochem** 1990;36(1-2):32-42 (159 ref.) **(Pol)**

THERAPEUTIC USE

Hyperthermia--a new dimension in cancer treatment. Singh BB. **Indian J Biochem Biophys** 1990 Aug;27(4):195-201 (50 ref.)

HEAT EXHAUSTION

Heat illness. Fluid and electrolyte issues for pediatric and adolescent athletes. Squire DL. **Pediatr Clin North Am** 1990 Oct;37(5):1085-109 (99 ref.)

COMPLICATIONS

Permanent neurologic deficits in heat stroke. Lin JJ, et al. **Chung Hua I Hsueh Tsa Chih** 1991 Feb;47(2):133-8 (21 ref.)

ETIOLOGY

Catastrophic medical events with exhaustive exercise: "white collar rhabdomyolysis". Knochel JP. **Kidney Int** 1990 Oct; 38(4):709-19 (73 ref.)

HEAT LOSS see **BODY TEMPERATURE REGULATION**

HEAT PRODUCTION see **BODY TEMPERATURE REGULATION**

HEAT-SHOCK PROTEIN 70 see **HEAT-SHOCK PROTEINS**

HEAT-SHOCK PROTEIN 90 see **HEAT-SHOCK PROTEINS**

HEAT-SHOCK PROTEINS

The structure and function of small heat shock proteins: analysis of the Saccharomyces cerevisiae Hsp26 protein. Tuite MF, et al. **Antonie Van Leeuwenhoek** 1990 Oct; 58(3):147-54 (26 ref.)

BIOSYNTHESIS

Induction of heat shock protein synthesis by prostaglandins with antineoplastic and antiviral activity. Santoro MG, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:867-74 (22 ref.)

Protein synthesis and the heart shock/stress response after ischemia. Nowak TS Jr. **Cerebrovasc Brain Metab Rev** 1990 Winter;2(4):345-66 (199 ref.)

Phagocytosis and heat shock response in human monocytes-macrophages. Donati YR, et al. **Pathobiology** 1991;59(3):156-61 (36 ref.)

Mammalian heat shock proteins: an overview with a systems perspective. Kochevar DT, et al. **Toxicol Lett** 1991 May; 56(3):243-67; discussion 241-2 (111 ref.)

CHEMISTRY

A mitochondrial chaperonin: genetic, biochemical, and molecular characteristics. Hallberg RL. **Semin Cell Biol** 1990 Feb;1(1):37-45 (29 ref.)

GENETICS

Molecular and cellular biology of the heat-shock response. Nagao RT, et al. **Adv Genet** 1990;28:235-74 (161 ref.)

Effects of heat and chemical stress on development. Petersen NS. **Adv Genet** 1990;28:275-96 (110 ref.)

Promoter function and in situ protein/DNA interactions upstream of the yeast HSP90 heat shock genes. Gross DS, et al. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):175-86 (47 ref.)

Interdependence of several heat shock gene activations, cyclic AMP decline and changes at the plasma membrane of Saccharomyces cerevisiae. Piper P. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):195-201 (29 ref.)

Roles and regulation of the heat shock sigma factor sigma 32 in Escherichia coli. Yura T, et al. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):187-90 (29 ref.)

Transcriptional regulation of the heat-shock response: a plant perspective. Gurley WB, et al. **Biochemistry** 1991 Jan 8; 30(1):1-12 (112 ref.)

Heat shock factor and the heat shock response. Sorger PK. **Cell** 1991 May 3;65(3):363-6 (29 ref.)

The HSP70 multigene family of Caenorhabditis elegans. Heschl MF, et al. **Comp Biochem Physiol [B]** 1990; 96(4):633-7 (40 ref.)

Heat shock protein genes and the major histocompatibility complex. Günther E. **Curr Top Microbiol Immunol** 1991; 167:57-68 (56 ref.)

Heat stress genes in hypertension. Hamet P, et al. **J Hypertens Suppl** 1990 Dec;8(7):S47-52 (27 ref.)

Induction of heat shock (stress) genes in the mammalian brain by hyperthermia and other traumatic events: a current perspective. Brown IR. **J Neurosci Res** 1990 Nov; 27(3):247-55 (110 ref.)

The Escherichia coli groE chaperonins. Georgopoulos C, et al. **Semin Cell Biol** 1990 Feb;1(1):19-25 (35 ref.)

[Molecular cell biology of the heat stress response. II] Nover L. **Naturwissenschaften** 1990 Aug;77(8):359-65 (37 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Stress proteins and the immune response. Young DB. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):203-8 (28 ref.)

Autoimmune thyroid diseases and enteropathogenic Yersinia enterocolitica. Wenzel BE, et al. **Autoimmunity** 1990; 7(4):295-303 (43 ref.)

The immune response to mycobacterial heat shock proteins. Young DB. **Autoimmunity** 1990;7(4):237-44 (30 ref.)

Heat-shock proteins as antigens in autoimmunity. van Eden W, et al. **Biochem Soc Trans** 1991 Feb;19(1):171-5 (35 ref.)

Immunity to heat shock proteins in rheumatoid arthritis. Lydyard PM, et al. **Clin Exp Rheumatol** 1990 Jul-Aug;8 Suppl 5:69-74 (41 ref.)

Gamma/delta T lymphocytes and heat shock proteins. Kaufmann SH, et al. **Curr Top Microbiol Immunol** 1991; 167:191-207 (59 ref.)

Heat shock proteins as virulence factors of pathogens. Lathigra RB, et al. **Curr Top Microbiol Immunol** 1991; 167:125-43 (77 ref.)

Heat shock proteins and inflammation. Polla BS, et al. **Curr Top Microbiol Immunol** 1991;167:93-105 (44 ref.)

Heat shock proteins as antigens of bacterial and parasitic pathogens. Shinnick TM. **Curr Top Microbiol Immunol** 1991;167:145-60 (102 ref.)

Stress-induced proteins in immune response to cancer. Srivastava PK, et al. **Curr Top Microbiol Immunol** 1991; 167:109-23 (76 ref.)

Stress proteins, autoimmunity, and autoimmune disease. Winfield JB, et al. **Curr Top Microbiol Immunol** 1991; 167:161-89 (285 ref.)

Mechanisms of immune injury in rheumatoid arthritis: evidence for the involvement of T cells and heat-shock protein. Strober S, et al. **Immunol Rev** 1990 Dec;118:233-55 (64 ref.)

A heat shock protein, molecular mimicry and autoimmunity. Cohen IR. **Isr J Med Sci** 1990 Dec;26(12):673-6 (21 ref.)

T cell recognition of stress proteins. A link between infectious and autoimmune disease. Lamb JR, et al. **Mol Biol Med** 1990 Aug;7(4):311-21 (69 ref.)

Possible links between immune system and stress response: the role of gamma delta T lymphocytes. Born W, et al. **Semin Immunol** 1991 Jan;3(1):43-8 (35 ref.)

Heat shock proteins implicated in antigen processing and presentation. De Nagel DC, et al. **Semin Immunol** 1991 Jan;3(1):65-71 (37 ref.)

Heat shock proteins and autoimmunity. Gaston JS. **Semin Immunol** 1991 Jan;3(1):35-42 (58 ref.)

Heat shock proteins: an autoprotective mechanism for inflammatory cells? Kantengwa S, et al. **Semin Immunol** 1991 Jan;3(1):49-56 (54 ref.)

Chlamydial hsp60 and the immunopathogenesis of chlamydial disease. Morrison RP. **Semin Immunol** 1991 Jan;3(1):25-33 (68 ref.)

Heat shock proteins as vaccine candidates. Newport GR. **Semin Immunol** 1991 Jan;3(1):17-24 (74 ref.)

Heat shock proteins as antigens for gamma delta T cells. O'Brien RL, et al. **Semin Immunol** 1991 Mar;3(2):81-7 (55 ref.)

Tumor-specific immunogenicity of stress-induced proteins: convergence of two evolutionary pathways of antigen presentation? Srivastava PK, et al. **Semin Immunol** 1991 Jan;3(1):57-64 (66 ref.)

METABOLISM

Microbial stress proteins. Watson K. **Adv Microb Physiol** 1990;31:183-223 (293 ref.)

Stress proteins and mitochondrial protein import. Pfanner N, et al. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):191-3 (22 ref.)

Modulator: the missing link. Bodine PV, et al. **Mol Cell Endocrinol** 1990 Nov 12;74(1):C77-81 (31 ref.)

Interaction of hsp90 with steroid receptors: organizing some diverse observations and presenting the newest concepts. Pratt WB. **Mol Cell Endocrinol** 1990 Nov 12;74(1):C69-76 (47 ref.)

Molecular chaperones and protein translocation across the Escherichia coli inner membrane. Kumamoto CA. **Mol Microbiol** 1991 Jan;5(1):19-22 (34 ref.)

Physiological roles of the DnaK and GroE stress proteins: catalysts of protein folding or macromolecular sponges? LaRossa RA, et al. **Mol Microbiol** 1991 Mar;5(3):529-34 (36 ref.)

The relationship between glucocorticoid receptor binding to Hsp90 and receptor function. Pratt WB, et al. **Nippon Naibunpi Gakkai Zasshi** 1990 Dec 20; 66(12):1185-97 (66 ref.)

Transport and assembly processes in the endoplasmic reticulum. Gething MJ, et al. **Semin Cell Biol** 1990 Feb; 1(1):65-72 (90 ref.)

Role of cytosolic factors in the transport of proteins across membranes. Wiech H, et al. **Semin Cell Biol** 1990 Feb; 1(1):55-63 (80 ref.)

PHYSIOLOGY

Clinical relevance of heat shock proteins. Delpino A, et al. **Adv Exp Med Biol** 1990;267:547-57 (24 ref.)

Heat shock proteins. Giovanella BC. **Adv Exp Med Biol** 1990; 267:95-8 (23 ref.)

A review of the role of 70 kDa heat shock proteins in protein translocation across membranes. Craig E, et al. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):137-46 (37 ref.)

Oxidative injury and the heat shock response. Donati YR, et al. **Biochem Pharmacol** 1990 Dec 15;40(12):2571-7 (58 ref.)

Heat shock, stress proteins, chaperones, and proteotoxicity. Hightower LE. **Cell** 1991 Jul 26;66(2):191-7 (28 ref.)

Are heat-shock proteins relevant to the pathogenesis of inflammatory arthritis? Winfield JB. **Clin Exp Rheumatol** 1991 Jan-Feb;9(1):67-71 (39 ref.)

BiP--a heat shock protein involved in immunoglobulin chain assembly. Haas IG. **Curr Top Microbiol Immunol** 1991; 167:71-82 (81 ref.)

Heat shock proteins hsp60 and hsp70: their roles in folding, assembly and membrane translocation of proteins. Langer T, et al. **Curr Top Microbiol Immunol** 1991;167:3-30 (157 ref.)

A role for heat shock proteins in antigen processing and presentation. Pierce SK, et al. **Curr Top Microbiol Immunol** 1991;167:83-92 (37 ref.)

Response of mammalian cells to metabolic stress; changes in cell physiology and structure/function of stress proteins. Welch WJ, et al. **Curr Top Microbiol Immunol** 1991; 167:31–55 (135 ref.)
Heat shock proteins and cell proliferation. Pechan PM. **FEBS Lett** 1991 Mar 11;280(1):1–4 (65 ref.)
Heat shock proteins and immune responses: an early view. DeNagel DC, et al. **Immunol Res** 1991;10(1):66–78 (67 ref.)
Heat shock proteins in host–parasite interactions. Polla BS. **Immunol Today** 1991 Mar;12(3):A38–41 (40 ref.)
The role of a stress-response protein in bacterial virulence. Johnson KS, et al. **Res Microbiol** 1990 Sep–Oct; 141(7–8):823–5 (11 ref.)
Heat shock proteins in protein folding and membrane translocation. Hartl FU. **Semin Immunol** 1991 Jan;3(1):5–16 (100 ref.)
Is hsp70 the cellular thermometer? Craig EA, et al. **Trends Biochem Sci** 1991 Apr;16(4):135–40 (40 ref.)
[Relationship between the immune system and heat shock proteins. A literature review] Döcke WD, et al. **Allerg Immunol (Leipz)** 1990;36(4):209–23 (146 ref.) (Eng. Abstr.) **(Ger)**
[The role of heat-shock proteins] Lipińska B. **Postepy Biochem** 1990;36(1–2):32–42 (159 ref.) **(Pol)**

HEAT WAVES see **INFRARED RAYS**

HEAVY CHAIN DISEASE, IGA TYPE see **IMMUNOPROLIFERATIVE SMALL INTESTINAL DISEASE**

HEBEPHRENIC SCHIZOPHRENIA see **SCHIZOPHRENIA, DISORGANIZED**

HEDGEHOGS

MICROBIOLOGY

Zoonoses and other findings in hedgehogs (Erinaceus europaeus): a survey of mortality and review of the literature. Keymer IF, et al. **Vet Rec** 1991 Mar 16; 128(11):245–9 (43 ref.)

HEDONISM see **PHILOSOPHY**

HEEL

see related
ACHILLES TENDON
CALCANEUS
TALUS

Calcaneal decompression for heel pain. Baerg RH. **Clin Podiatr Med Surg** 1991 Jan;8(1):197–202 (9 ref.)
Differential diagnosis and treatment of heel pain. Dailey JM. **Clin Podiatr Med Surg** 1991 Jan;8(1):153–66 (25 ref.)
Surgical management of recalcitrant heel pain. Jacoby RP, et al. **Clin Podiatr Med Surg** 1991 Jan;8(1):187–95 (51 ref.)
Heel spur syndrome. Pathomechanics and nonsurgical treatment. Biomechanics Graduate Research Group for 1988. Scherer PR. **J Am Podiatr Med Assoc** 1991 Feb; 81(2):68–72 (41 ref.)
[Heel involvement in rheumatoid polyarthritis] Bouysset M, et al. **Rev Rhum Mal Osteoartic** 1990 Nov;57(11):799–803 (28 ref.) (Eng. Abstr.) **(Fre)**
[Tenosynovial giant cell tumor in the differential diagnosis of painful heel] Sager M, et al. **Schweiz Rundsch Med Prax** 1990 Oct 2;79(40):1175–9 (28 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Transient vibrations caused by heel strike [see comments] Smeathers JE. **Proc Inst Mech Eng [H]** 1989;203(4):181–6 (9 ref.) Comment in: Proc Inst Mech Eng [H] 1990;204(2):135–7.

SURGERY

[Tissue losses of the heel] Abifadel M, et al. **Ann Chir Plast Esthet** 1990;35(4):331–3 (15 ref.) (Eng. Abstr.) **(Fre)**

HELA CELLS

CYTOLOGY

From HeLa cell division to infectious diarrhoea. Stephen J, et al. **Scanning Microsc** 1990 Sep;4(3):781–6 (27 ref.)

HELICOBACTER INFECTIONS

Helicobacter pylori [see comments] Drumm B. **Arch Dis Child** 1990 Nov;65(11):1278–82 (39 ref.) Comment in: Arch Dis Child 1991 Apr;66(4):559.
Helicobacter pylori: its role in gastric disease. Vaira D, et al. **Dig Dis** 1990;8(6):322–36 (89 ref.)
Does Helicobacter pylori play a role in the pathogenesis of peptic ulcer? Part I: No. Helicobacter pylori is a commensal in the stomach. Desai HG. **J Assoc Physicians India** 1990 Sep;38 Suppl 1:746–7 (34 ref.)
Does Helicobacter pylori play a role in the pathogenesis of peptic ulcer? Part II. Yes, Helicobacter pylori is a pathogenetic factor in peptic ulcer. Nanivadekar SA. **J Assoc Physicians India** 1990 Sep;38 Suppl 1:748–51 (27 ref.)
Helicobacter pylori. Omardeen FL, et al. **West Indian Med J** 1991 Mar;40(1):11–5 (33 ref.)
[Campylobacter pylori infection. Results of an investigation of 130 patients] Ferrero D, et al. **Minerva Med** 1990 Sep; 81(9):601–3 (19 ref.) (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Helicobacter pylori: review of research findings. Dooley CP. **Aliment Pharmacol Ther** 1991;5 Suppl 1:129–43 (105 ref.)
Helicobacter pylori: aggressor or innocent bystander? Clearfield HR. **Med Clin North Am** 1991 Jul;75(4):815–29 (76 ref.)
Helicobacter pylori in children. Sullivan PB, et al. **Postgrad Med J** 1991 Apr;67(786):330–3 (43 ref.)
Helicobacter pylori: fact or fiction? Korman MG. **Scand J Gastroenterol Suppl** 1990;175:159–65 (46 ref.)
Is gastroduodenitis a cause of chronic dyspepsia? Tytgat GN, et al. **Scand J Gastroenterol Suppl** 1991;182:33–9 (55 ref.)
[Helicobacter (Campylobacter) pylori in the etiology and pathogenesis of gastritis and peptic ulcer] Aruin LI. **Arkh Patol** 1990;52(10):3–8 (37 ref.) (Eng. Abstr.) **(Rus)**
[Helicobacter pylori in patho- and morphogenesis of chronic gastritis and peptic ulcer] Zaĭtseva KK. **Arkh Patol** 1991; 53(2):72–5 (57 ref.) (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Drug therapy for Helicobacter pylori infection: problems and pitfalls. Glupczynski Y, et al. **Am J Gastroenterol** 1990 Dec; 85(12):1545–51 (55 ref.)
The who's and when's of therapy for Helicobacter pylori [editorial] [see comments] Graham DY, et al. **Am J Gastroenterol** 1990 Dec;85(12):1552–5 (11 ref.) Comment in: Am J Gastroenterol 1991 Jul;86(7):924–5.

EPIDEMIOLOGY

[Campylobacter pylori and its role in the pathogenesis of selected diseases of the stomach and duodenum] Matysiak-Budnik T. **Pol Tyg Lek** 1990 Feb 19–26; 45(8–9):189–92 (26 ref.) **(Pol)**

ETIOLOGY

Helicobacter (Campylobacter) pylori: a new twist to an old disease. Dick JD. **Annu Rev Microbiol** 1990;44:249–69 (138 ref.)

MICROBIOLOGY

Helicobacter pylori and associated gastroduodenal diseases. Review article. Rautelin H, et al. **APMIS** 1991 Aug; 99(8):677–95 (191 ref.)
Helicobacter pylori and duodenal ulceration. Lind CD, et al. **Hosp Pract [Off]** 1991 Feb 28;26(2A):45–9, 52–3, 56 passim (6 ref.)
[Helicobacter pylori and gastroduodenal pathology. Second part: Clinical aspects and therapy] Sobhani I, et al. **Gastroenterol Clin Biol** 1991;15(5):412–20 (99 ref.) **(Fre)**
[Helicobacter pylori and gastroduodenal pathology. First Part: Pathophysiology and diagnostic methods] Sobhani I, et al. **Gastroenterol Clin Biol** 1991;15(5):405–11 (86 ref.) **(Fre)**

HELICOBACTER PYLORI

Helicobacter pylori: review of research findings. Dooley CP. **Aliment Pharmacol Ther** 1991;5 Suppl 1:129–43 (105 ref.)
The who's and when's of therapy for Helicobacter pylori [editorial] [see comments] Graham DY, et al. **Am J Gastroenterol** 1990 Dec;85(12):1552–5 (11 ref.) Comment in: Am J Gastroenterol 1991 Jul;86(7):924–5.
Helicobacter pylori: its role in gastric disease. Vaira D, et al. **Dig Dis** 1990;8(6):322–36 (89 ref.)
Helicobacter pylori and duodenal ulceration. Lind CD, et al. **Hosp Pract [Off]** 1991 Feb 28;26(2A):45–9, 52–3, 56 passim (6 ref.)
Does Helicobacter pylori play a role in the pathogenesis of peptic ulcer? Part I: No. Helicobacter pylori is a commensal in the stomach. Desai HG. **J Assoc Physicians India** 1990 Sep;38 Suppl 1:746–7 (34 ref.)
Does Helicobacter pylori play a role in the pathogenesis of peptic ulcer? Part II. Yes, Helicobacter pylori is a pathogenetic factor in peptic ulcer. Nanivadekar SA. **J Assoc Physicians India** 1990 Sep;38 Suppl 1:748–51 (27 ref.)
Helicobacter pylori: aggressor or innocent bystander? Clearfield HR. **Med Clin North Am** 1991 Jul;75(4):815–29 (76 ref.)
Helicobacter pylori in children. Sullivan PB, et al. **Postgrad Med J** 1991 Apr;67(786):330–3 (43 ref.)
Helicobacter pylori: fact or fiction? Korman MG. **Scand J Gastroenterol Suppl** 1990;175:159–65 (46 ref.)
Is gastroduodenitis a cause of chronic dyspepsia? Tytgat GN, et al. **Scand J Gastroenterol Suppl** 1991;182:33–9 (55 ref.)
Helicobacter pylori. Omardeen FL, et al. **West Indian Med J** 1991 Mar;40(1):11–5 (33 ref.)
[Campylobacter pylori infection. Results of an investigation of 130 patients] Ferrero D, et al. **Minerva Med** 1990 Sep; 81(9):601–3 (19 ref.) (Eng. Abstr.) **(Ita)**
[Campylobacter pylori and its role in the pathogenesis of selected diseases of the stomach and duodenum] Matysiak-Budnik T. **Pol Tyg Lek** 1990 Feb 19–26; 45(8–9):189–92 (26 ref.) **(Pol)**
[Helicobacter pylori in patho- and morphogenesis of chronic gastritis and peptic ulcer] Zaĭtseva KK. **Arkh Patol** 1991; 53(2):72–5 (57 ref.) (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Drug therapy for Helicobacter pylori infection: problems and pitfalls. Glupczynski Y, et al. **Am J Gastroenterol** 1990 Dec; 85(12):1545–51 (55 ref.)

ISOLATION & PURIFICATION

Helicobacter pylori and associated gastroduodenal diseases. Review article. Rautelin H, et al. **APMIS** 1991 Aug; 99(8):677–95 (191 ref.)
Helicobacter pylori and peptic ulcer disease. Peterson WL. **N Engl J Med** 1991 Apr 11;324(15):1043–8 (97 ref.)
[Helicobacter pylori] Kjøller M. **Nord Med** 1990; 105(11):299–300 (30 ref.) (Eng. Abstr.) **(Dan)**
[Current perspectives in the pathogenesis and the treatment of duodenal ulcer] Loffeld RJ. **Ned Tijdschr Geneeskd** 1990 Nov 10;134(45):2170–2 (27 ref.) **(Dut)**
[Helicobacter pylori and gastroduodenal pathology. Second part: Clinical aspects and therapy] Sobhani I, et al. **Gastroenterol Clin Biol** 1991;15(5):412–20 (99 ref.) **(Fre)**
[Helicobacter pylori and gastroduodenal pathology. First Part: Pathophysiology and diagnostic methods] Sobhani I, et al. **Gastroenterol Clin Biol** 1991;15(5):405–11 (86 ref.) **(Fre)**
[Epidemiology and diagnosis of Helicobacter pylori infection] Kist M. **Z Gastroenterol Verh** 1991 Mar;26:286–9 (25 ref.) **(Ger)**
[Methods of isolating and identifying Campylobacter pylori (review of the literature)] Bazhenov LG. **Lab Delo** 1991; (1):48–53 (49 ref.) **(Rus)**
[Helicobacter pylori: a new pathogen to be considered in infancy] Herrera Montes I, et al. **An Esp Pediatr** 1991 May; 34(5):373–5 (30 ref.) (Eng. Abstr.) **(Spa)**

PATHOGENICITY

Helicobacter (Campylobacter) pylori: a new twist to an old disease. Dick JD. **Annu Rev Microbiol** 1990;44:249–69 (138 ref.)
[Helicobacter pylori infection: a facilitator of stomach cancer?] Cooreman MP, et al. **Z Gastroenterol Verh** 1991 Mar;26:284–6 (30 ref.) **(Ger)**
[Virulence factors of Helicobacter pylori and pathomechanisms of mucosal damage] Raedsch R. **Z Gastroenterol Verh** 1991 Mar;26:281–2 (14 ref.) **(Ger)**
[Helicobacter (Campylobacter) pylori in the etiology and pathogenesis of gastritis and peptic ulcer] Aruin LI. **Arkh Patol** 1990;52(10):3–8 (37 ref.) (Eng. Abstr.) **(Rus)**

HELICOPTERS see **AIRCRAFT**

HELIOTHERAPY

ADVERSE EFFECTS

[Life style, sun–bathing and tanning—what about UV–A solariums?] Thune P. **Tidsskr Nor Laegeforen** 1991 Jun 30; 111(17):2085–7 (14 ref.) (Eng. Abstr.) **(Nor)**

HELIUM

THERAPEUTIC USE

[The use of helium–oxygen mixtures] Koziarin IP. **Vrach Delo** 1991 May;(5):19–24 (46 ref.) **(Rus)**

HELMETS see **HEAD PROTECTIVE DEVICES**

HELMINTH ANTIBODIES see **ANTIBODIES, HELMINTH**

HELMINTH ANTIGENS see **ANTIGENS, HELMINTH**

HELMINTHIASIS

Meningitis due to protozoa and helminths. Niu MT, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):809–41 (187 ref.)

DIAGNOSIS

[Helminthiases] Kupferschmidt HG, et al. **Z Arztl Fortbild (Jena)** 1990;84(16):825–8 (18 ref.) **(Ger)**

IMMUNOLOGY

Regulation and biological function of helminth-induced cytokine responses. Finkelman FD, et al. **Immunol Today** 1991 Mar;12(3):A62–6 (50 ref.)
Helminths, immunology and equations. Schweitzer N, et al. **Immunol Today** 1991 Mar;12(3):A76–81 (32 ref.)

PARASITOLOGY

Competition, contacts, and other factors restricting niches of parasitic helminths. Holmes JC. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:69–72 (18 ref.)
The regulation of gastrointestinal helminth populations. Quinnell RJ, et al. **Philos Trans R Soc Lond [Biol]** 1990 Nov 29;330(1257):191–201 (76 ref.)
[Intestinal parasitosis in pregnancy] Piacentino R, et al.

Minerva Ginecol 1991 Mar;43(3):65–9 (20 ref.) (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

New initiatives in the control of helminths. Bundy DA. **Trans R Soc Trop Med Hyg** 1990 Jul–Aug;84(4):467–8 (9 ref.)

[The practical utilization of helminthological health research] Romanenko NA. **Med Parazitol (Mosk)** 1990 Sep–Oct; (5):34–6 (48 ref.) (Eng. Abstr.) **(Rus)**

VETERINARY

Influence of pollution on parasites of aquatic animals. Khan RA, et al. **Adv Parasitol** 1991;30:201–38 (143 ref.)

The role of helminths in the biological control of mammals. Spratt DM. **Int J Parasitol** 1990 Jul;20(4):543–50 (64 ref.)

The benzimidazole anthelmintic agents—a review. McKellar QA, et al. **J Vet Pharmacol Ther** 1990 Sep;13(3):223–47 (145 ref.)

HELMINTHOSPORIUM

ISOLATION & PURIFICATION

Grossly visible fungal colonization of a Tenckhoff catheter. A case report and literature review. Sekkarie M, et al. **Perit Dial Int** 1991;11(1):85–7 (6 ref.)

HELMINTHS

DRUG EFFECTS

Studies of the mode of action of anthelmintic drugs: tools to investigate the biochemical peculiarities of helminths. Vanden Bossche H. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:99–102 (19 ref.)

The benzimidazole anthelmintic agents—a review. McKellar QA, et al. **J Vet Pharmacol Ther** 1990 Sep;13(3):223–47 (145 ref.)

GENETICS

Genetic exchange and evolutionary relationships in protozoan and helminth parasites. Tait A. **Parasitology** 1990;100 Suppl:S75–87 (78 ref.)

GROWTH & DEVELOPMENT

Cultivation of helminths in chick embryos. Fried B, et al. **Adv Parasitol** 1991;30:108–65 (158 ref.)

METABOLISM

Amino acid metabolism in helminths. Barrett J. **Adv Parasitol** 1991;30:39–105 (452 ref.)

Arachidonic acid metabolism in filarial parasites. Liu LX, et al. **Exp Parasitol** 1990 Nov;71(4):496–501 (33 ref.)

PHYSIOLOGY

Competition, contacts, and other factors restricting niches of parasitic helminths. Holmes JC. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:69–72 (18 ref.)

The role of helminths in the biological control of mammals. Spratt DM. **Int J Parasitol** 1990 Jul;20(4):543–50 (64 ref.)

HELPER CELLS

see related
INTERLEUKIN-2
LYMPHOCYTE COOPERATION

IMMUNOLOGY

Role of a new cytokine, interleukin-10, in the cross-regulation of T helper cells. Mosmann TR. **Ann N Y Acad Sci** 1991;628:337–44 (35 ref.)

Generation and characterization of T-helper cells by primary in vitro sensitization using Langerhans cells. Hauser C, et al. **Immunol Rev** 1990 Oct;117:67–84 (27 ref.)

Regulation and biological function of helminth-induced cytokine responses. Finkelman FD, et al. **Immunol Today** 1991 Mar;12(3):A62–6 (50 ref.)

TH2 cells in systemic autoimmunity: insights from allogeneic diseases and chemically-induced autoimmunity. Goldman M, et al. **Immunol Today** 1991 Jul;12(7):223–7 (58 ref.)

Helper T-cell subsets in mouse leishmaniasis: induction, expansion and effector function. Locksley RM, et al. **Immunol Today** 1991 Mar;12(3):A58–61 (41 ref.)

The role of IL-10 in crossregulation of TH1 and TH2 responses. Mosmann TR, et al. **Immunol Today** 1991 Mar; 12(3):A49–53 (59 ref.)

Cognate interactions between helper T cells and B cells. Noelle RJ, et al. **Immunol Today** 1990 Oct;11(10):361–8 (78 ref.)

Lymphocyte subsets as surrogate markers in antiretroviral therapy. Bogner JR, et al. **Infection** 1991;19 Suppl 2:S103–8 (24 ref.)

Cognate T helper cell/B cell interaction in man. Crow MK, et al. **Res Immunol** 1990 May–Jun;141(4–5):427–30 (15 ref.)

Locally active steroid hormones may facilitate compartmentalization of immunity by regulating the types of lymphokines produced by helper T cells. Daynes RA, et al. **Res Immunol** 1991 Jan;142(1):40–5 (15 ref.)

Do human TH1 and TH2 CD4+ clones exist? de Vries JE, et al. **Res Immunol** 1991 Jan;142(1):59–63 (31 ref.)

Differential activation of murine TH1 and TH2 clones. Gajewski TF, et al. **Res Immunol** 1991 Jan;142(1):19–23 (25 ref.)

Murine Trypanosoma cruzi infection: a role for TH2 cells in the immunopathology of chronic infection. Hontebeyrie-Joskowicz M. **Res Immunol** 1991 Feb; 142(2):141–3 (33 ref.)

Contact-dependent B-cell activation by helper T cells. Marshall LS, et al. **Res Immunol** 1990 May–Jun; 141(4–5):412–7 (26 ref.)

Chagas' disease: CD5 B-cell-dependent Th2 pathology? Minoprio P. **Res Immunol** 1991 Feb;142(2):137–40 (23 ref.)

Cytokine secretion phenotypes of TH cells: how many subsets, how much regulation? Mosmann TR. **Res Immunol** 1991 Jan;142(1):9–13 (32 ref.)

How does the helper T cell activate the resting B cell when it recognizes antigen on the B-cell surface? Parker DC. **Res Immunol** 1990 May–Jun;141(4–5):405–7 (7 ref.)

[Immunopathogenesis of sarcoidosis: current practical knowledge] Müller-Quernheim J. **Z Gesamte Inn Med** 1990 Oct 1;45(19):573–7 (54 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

TH1 and TH2 dependent cytokines in experimental autoimmunity and immune reactions induced by chemicals. Dubey C, et al. **Eur Cytokine Netw** 1991 May–Jun; 2(3):147–52 (41 ref.)

HELPER VIRUSES

GENETICS

Interactions between satellite bacteriophage P4 and its helpers. Christie GE, et al. **Annu Rev Genet** 1990;24:465–90 (118 ref.)

ISOLATION & PURIFICATION

The involvement of a helper component in nonpersistent transmission of plant viruses by aphids. Pirone TP, et al. **Microbiol Sci** 1984 Nov;1(8):191–3 (18 ref.)

HELPLESSNESS, LEARNED

Behavioral effects of 5-HT receptor ligands in the aversive brain stimulation, elevated plus-maze and learned helplessness tests. Graeff FG, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):501–6 (49 ref.)

HEMADSORPTION VIRUS 2 see **PARA-INFLUENZA VIRUS TYPE 1**

HEMAGGLUTINATING VIRUS OF JAPAN see **PARA-INFLUENZA VIRUS TYPE 1**

HEMAGGLUTINATION

Differential reactivity of bovine coronavirus (BCV) and influenza C virus with N-acetyl-9-O-acetylneuraminic acid (Neu5,9Ac2)-containing receptors. Schultze B, et al. **Adv Exp Med Biol** 1990;276:115–9 (9 ref.)

HEMAGGLUTININS

METABOLISM

Soluble galactoside-binding vertebrate lectins: a protein family with common properties. Caron M, et al. **Int J Biochem** 1990;22(12):1379–85 (65 ref.)

HEMAGGLUTININS, PLANT see **LECTINS**

HEMAGGLUTININS, VIRAL

METABOLISM

Background paper. Coronavirus M and HE: two peculiar glycoproteins. Rottier PJ. **Adv Exp Med Biol** 1990;276:91–4 (0 ref.)

PHYSIOLOGY

The role of influenza virus haemagglutinin in membrane fusion. Wharton SA. **Microbiol Sci** 1987 Apr;4(4):119–24 (31 ref.)

HEMANGIOENDOTHELIOMA

Epithelioid hemangioendothelioma of the oral cavity: report of two cases and review of literature. Marrogi AJ, et al. **J Oral Maxillofac Surg** 1991 Jun;49(6):633–8 (54 ref.)

DIAGNOSIS

Angiotropic intravascular large-cell lymphoma (malignant angioendotheliomatosis): report of a case and review of the literature. Fredericks RK, et al. **Surg Neurol** 1991 Mar; 35(3):218–23 (27 ref.)

DRUG THERAPY

Cerebral angiotropic large cell lymphoma (neoplastic angioendotheliosis): therapeutic considerations. Williams DB, et al. **J Neurol Sci** 1991 May;103(1):16–21 (44 ref.)

PATHOLOGY

Angiocentric lymphoma with histologic features of neoplastic angioendotheliomatosis presenting with predominant respiratory and hematologic manifestations. Report of a case and review of the literature [see comments] Kamesaki H, et al. **Am J Clin Pathol** 1990 Dec;94(6):768–72 (15 ref.) Comment in: Am J Clin Pathol 1991 Jun;95(6):902–3.

Immunocytochemical evidence of lymphocytic derivation of neoplastic cells in malignant angioendotheliomatosis. Clark WC, et al. **J Neurosurg** 1991 May;74(5):757–62 (31 ref.)

Intravascular lymphomatosis: clinicopathologic features and differential diagnosis. Wick MR, et al. **Semin Diagn Pathol** 1991 May;8(2):91–101 (53 ref.)

HEMANGIOMA

Hemangioma of the temporalis muscle. Sharma BS, et al. **Ann Otol Rhinol Laryngol** 1991 Jan;100(1):76–8 (18 ref.)

Condylar haemangioma—a case report and review of the literature. Whear NM. **Br J Oral Maxillofac Surg** 1991 Feb; 29(1):44–7 (24 ref.)

Primary intraosseous hemangioma of the orbit. Report of a case and review of literature. Zucker JJ, et al. **Ophthal Plast Reconstr Surg** 1989;5(4):247–55 (32 ref.)

Hemangiomas and vascular malformations. Silverman RA. **Pediatr Clin North Am** 1991 Aug;38(4):811–34 (123 ref.)

[Angiolipoma of the central nervous system] Weill A, et al. **Rev Neurol (Paris)** 1991;147(4):285–92 (44 ref.) (Eng. Abstr.) **(Fre)**

[Diagnosis and treatment of renal angiomyolipoma] Martínez García R, et al. **Arch Esp Urol** 1989 Sep;42(7):661–9 (85 ref.) (Eng. Abstr.) **(Spa)**

[Vascular nevus. A study of its frequency, types and course] Tincopa Wong O, et al. **Med Cutan Ibero Lat Am** 1990; 18(2):112–8 (17 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Spontaneous rupture of renal angiomyolipoma. Kurokawa K, et al. **Hinyokika Kiyo** 1991 Apr;37(4):377–80 (11 ref.)

CONGENITAL

Congenital head and neck masses in infants and children. Part II. Guarisco JL. **Ear Nose Throat J** 1991 Feb; 70(2):75–82 (35 ref.)

DIAGNOSIS

[Capillary hemangioma of the left ventricle. A case report and review of the literature] Mesbahi R, et al. **Arch Mal Coeur** 1990 Aug;83(9):1455–8 (10 ref.) (Eng. Abstr.) **(Fre)**

[Liver hemangioma. I. Diagnosis, spontaneous course, complications] Riesener KP, et al. **Leber Magen Darm** 1990 Sep;20(5):218–23 (0 ref.) (Eng. Abstr.) **(Ger)**

[Cardiac angioma. A case report and review of the literature] Alitto F, et al. **G Ital Cardiol** 1990 Jul;20(7):639–41 (6 ref.) (Eng. Abstr.) **(Ita)**

GENETICS

Allelic somatic mutations may explain vascular twin nevi. Happle R. **Hum Genet** 1991 Jan;86(3):321–2 (14 ref.)

PATHOLOGY

Condylar haemangioma—a case report and review of the literature. Whear NM. **Br J Oral Maxillofac Surg** 1991 Feb; 29(1):44–7 (24 ref.)

Haemangioma of the urinary tract: review of the literature. Jahn H, et al. **Br J Urol** 1991 Aug;68(2):113–7 (31 ref.)

Basal-cell carcinoma complicating a port-wine stain. Duhra P, et al. **Clin Exp Dermatol** 1991 Jan;16(1):63–5 (8 ref.)

Fine needle aspiration biopsy of a splenic hemangioma. A case report with review of the literature. Barbazza R, et al. **Haematologica** 1990 May–Jun;75(3):278–81 (28 ref.)

Hemangioma of the frontal bone: review of the literature and report of a case. Faerber TH, et al. **J Oral Maxillofac Surg** 1991 Sep;49(9):1018–22 (22 ref.)

Vascular leiomyoma of the nasal cavity: report of a case and review of literature. Ragbeer MS, et al. **J Oral Maxillofac Surg** 1990 Oct;48(10):1113–7 (12 ref.)

Primary orbital intraosseous hemangioma. Relf SJ, et al. **Ophthalmology** 1991 Apr;98(4):541–6; discussion 547 (25 ref.)

Multiple pyogenic granulomata in childhood. Dillman AM, et al. **Pediatr Dermatol** 1991 Mar;8(1):28–31 (22 ref.)

[Renal angiomyolipoma with lymphatic involvement] Llarena Ibarguren R, et al. **Arch Esp Urol** 1991 Jan–Feb; 44(1):75–6 (11 ref.) (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[Cerebral venous angiomas. 12 personal cases and review of the literature] Tannier C, et al. **Rev Neurol (Paris)** 1991; 147(5):356–63 (31 ref.) (Eng. Abstr.) **(Fre)**

[A large asymptomatic renal hemangioma as a chance radiologic finding] Will CH, et al. **Rontgenblatter** 1990 Dec; 43(12):507–9 (14 ref.) (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

The medical necessity of evaluation and treatment of

port-wine stains. Geronemus RG, et al. **J Dermatol Surg Oncol** 1991 Jan;17(1):76-9 (22 ref.)
Well-differentiated angiosarcoma of the skin following radiotherapy. Report of two cases. Cancellieri A, et al. **Pathol Res Pract** 1991 Mar;187(2-3):301-6 (43 ref.)

SURGERY

Clinical management of port-wine stain in infants and young children using the flashlamp-pulsed dye laser. Nelson JS, et al. **Clin Pediatr (Phila)** 1990 Sep;29(9):503-8; discussion 509 (17 ref.)
Laser treatment of congenital vascular malformations. Landthaler M, et al. **Int Angiol** 1990 Jul-Sep;9(3):208-13 (43 ref.)
[A case of right ventricular hemangioma] Oda K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Feb;39(2):200-3 (15 ref.) (Eng. Abstr.) **(Jpn)**
[Diffuse capillary hemangioma of the bladder] Chantada Abal V, et al. **Arch Esp Urol** 1990 Sep;43(7):782-5 (20 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Laser treatment of benign cutaneous vascular lesions. Alster T, et al. **Am Fam Physician** 1991 Aug;44(2):547-54 (35 ref.)
[Liver hemangioma. II. Surgical indications, choice of procedure, results] Riesener KP, et al. **Leber Magen Darm** 1990 Dec;20(6):264-9 (62 ref.) (Eng. Abstr.) **(Ger)**

HEMANGIOMA, CAVERNOUS

A case of multiple cavernous hemangioma of the small intestine and clinical review of the Japanese literature. Akamatsu T, et al. **Gastroenterol Jpn** 1990 Aug;25(4):494-8 (5 ref.)
Cavernous hemangioma of the stomach: a case report and review of the literature. Yamaguchi K, et al. **Gastroenterol Jpn** 1990 Aug;25(4):489-93 (18 ref.)
Solitary extradural cavernous hemangiomas in the spinal canal. Report of five cases. Hillman J, et al. **Surg Neurol** 1991 Jul;36(1):19-24 (51 ref.)
Spinal extradural cavernous hemangioma. Lee JP, et al. **Surg Neurol** 1990 Nov;34(5):345-51 (23 ref.)
Third ventricle cavernous angioma: report of two cases. Ogawa A, et al. **Surg Neurol** 1990 Dec;34(6):414-20 (23 ref.)
[Cavernous hemangioma of the maxillary sinus] Lahoz Zamarro MT, et al. **Acta Otorrinolaringol Esp** 1990 May-Jun;41(3):197-9 (18 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

[Intracerebral cavernous angioma and transient ischemic complications] De Smet Y, et al. **Rev Neurol (Paris)** 1990; 146(8-9):513-5 (10 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

MR findings in extracerebral cavernous angiomas of the middle cranial fossa: report of two cases and review of the literature. Momoshima S, et al. **AJNR Am J Neuroradiol** 1991 Jul-Aug;12(4):756-60 (45 ref.)
[Diagnosis and surgical treatment of hepatic hemangioma (review of the literature)] Abdullaev AG. **Khirurgiia (Mosk)** 1990 Jun;(6):135-40 (87 ref.) **(Rus)**

PATHOLOGY

Cavernous hemangioma of the internal auditory meatus. Madden GJ, et al. **J Otolaryngol** 1990 Aug;19(4):288-91 (8 ref.)

RADIONUCLIDE IMAGING

Scintigraphic demonstration of a soft tissue cavernous hemangioma with Valsalva maneuver. Veluvolu P, et al. **Clin Nucl Med** 1990 Dec;15(12):865-9 (10 ref.)

SURGERY

Surgically treated cavernous angiomas of the brain stem: report of two cases and review of the literature. LeDoux MS, et al. **Surg Neurol** 1991 May;35(5):395-9 (16 ref.)
[Cavernous malformation of the brain stem: clinical symptom and its surgical indication] Uede T, et al. **No Shinkei Geka** 1991 Jan;19(1):27-34 (17 ref.) (Eng. Abstr.) **(Jpn)**

HEMANGIOPERICYTOMA

[Visceral hemangiopericytoma: report of a case with gastric localization] Bellisi M, et al. **G Chir** 1988 Feb;9(2):100-2 (13 ref.) (Eng. Abstr.) **(Ita)**

EPIDEMIOLOGY

Bilateral renal hemangiopericytoma. Heppe RK, et al. **Urology** 1991 Sep;38(3):249-53 (28 ref.)

PATHOLOGY

The immunophenotype of hemangiopericytomas and glomus tumors, with special reference to muscle protein expression: an immunohistochemical study and review of the literature. Porter PL, et al. **Mod Pathol** 1991 Jan;4(1):46-52 (44 ref.)
[Nasal hemangiopericytoma] De Miguel García F, et al. **Acta Otorrinolaringol Esp** 1991 Jan-Feb;42(1):71-4 (29 ref.) (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[Hemangiopericytoma. Apropos of a case] Buchon R, et al. **Ann Radiol (Paris)** 1990;33(2):114-9 (17 ref.) (Eng. Abstr.) **(Fre)**
[Radiodiagnosis and radiotherapy of hemangiopericytoma (review of literature)] Mikelova LV, et al. **Vestn Rentgenol Radiol** 1991 Mar-Apr;(2):82-6 (76 ref.) **(Rus)**

THERAPY

[Paravesical hemangiopericytoma. Apropos of a case] Dia A, et al. **J Chir (Paris)** 1991 Mar;128(3):139-44 (69 ref.) (Eng. Abstr.) **(Fre)**

HEMANGIOSARCOMA

CHEMICALLY INDUCED

Angiosarcoma at the site of a Dacron vascular prosthesis: a case report and literature review. Weiss WM, et al. **J Vasc Surg** 1991 Jul;14(1):87-91 (13 ref.)

COMPLICATIONS

Coexistent hemangioblastoma and arteriovenous malformation of the cerebellum. Case report. Medvedev YA, et al. **J Neurosurg** 1991 Jul;75(1):121-5 (24 ref.)
[Hemangioblastoma associated with syringomyelia and syringobulbia in a patient with rheumatoid arthritis] Bonet M, et al. **Arch Neurobiol (Madr)** 1990 Mar-Apr;53(2):89-91 (6 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Primary angiosarcoma of the brain. Cookston M, et al. **South Med J** 1991 Apr;84(4):517-20 (22 ref.)
[Angiosarcoma of the oral cavity. A clinical case report and review of the literature] Piattelli A, et al. **Minerva Stomatol** 1990 Nov;39(11):951-7 (38 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Intra-abdominal "angiosarcomatosis" report of two cases after pelvic irradiation. Wolov RB, et al. **Cancer** 1991 May 1;67(9):2275-9 (20 ref.)
Postirradiation angiosarcoma of the terminal ileum. Su CC, et al. **Chung Hua I Hsueh Tsa Chih** 1991 Aug;48(2):147-52 (21 ref.)
[Angiosarcoma after total knee prosthesis. Apropos of a case] Himmer O, et al. **Rev Chir Orthop** 1991;77(2):125-9 (51 ref.) (Eng. Abstr.) **(Fre)**
[An autopsy case of postirradiation cutaneous angiosarcoma of the hip] Okada H, et al. **Gan No Rinsho** 1990 Nov; 36(14):2497-501 (25 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Angiosarcoma of the vagina. A light and electronmicroscopy study. Tohya T, et al. **Acta Obstet Gynecol Scand** 1991; 70(2):169-72 (21 ref.)
Angiosarcoma of the maxillary sinus. Sobol SM, et al. **Ear Nose Throat J** 1990 Dec;69(12):813-8 (38 ref.)
Metastatic angiosarcoma of the ovary. Patel T, et al. **Eur J Surg Oncol** 1991 Jun;17(3):295-9 (9 ref.)
Cutaneous angiosarcoma. A literature review and case report. Wolf K, et al. **J Am Podiatr Med Assoc** 1990 Sep; 80(9):501-4 (10 ref.)
Primary angiosarcoma of the central nervous system. Study of eight cases and review of the literature. Mena H, et al. **J Neurosurg** 1991 Jul;75(1):73-6 (21 ref.)
Well-differentiated angiosarcoma of the skin following radiotherapy. Report of two cases. Cancellieri A, et al. **Pathol Res Pract** 1991 Mar;187(2-3):301-6 (43 ref.)

RADIOGRAPHY

[Hepatic angiosarcoma. CT and MRI aspects. A case report and review of the literature] Fajadet P, et al. **Ann Radiol (Paris)** 1990;33(4-5):260-3 (19 ref.) (Eng. Abstr.) **(Fre)**

HEMARTHROSIS

DIAGNOSIS

[The differential diagnosis of hemarthrosis--septic arthritis in patients with hemophilia] Lenk H, et al. **Kinderarztl Prax** 1990 Jul;58(7):363-5 (9 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Post-traumatic hemarthrosis of the knee and arthroscopy. Review of 161 cases] Cazenave A, et al. **J Chir (Paris)** 1990 Nov;127(11):522-7 (21 ref.) (Eng. Abstr.) **(Fre)**

HEMATEMESIS

ETIOLOGY

Esophageal tuberculosis: a rare presentation with hematemesis. Newman RM, et al. **Am J Gastroenterol** 1991 Jun;86(6):751-5 (25 ref.)
The Bouveret syndrome: an unusual cause of hematemesis. Salah-Eldin AA, et al. **Henry Ford Hosp Med J** 1990; 38(1):52-4 (20 ref.)
[Dieulafoy's simple stomach ulcer: apropos of 5 cases] Nicolet M, et al. **Schweiz Med Wochenschr** 1990 Sep 29; 120(39):1421-4 (21 ref.) (Eng. Abstr.) **(Fre)**

HEMATOCELE

PATHOLOGY

[A case of idiopathic chronic scrotal hematocele] Mizutani Y, et al. **Hinyokika Kiyo** 1991 Feb;37(2):199-201 (11 ref.) (Eng. Abstr.) **(Jpn)**

HEMATOCRIT

[The manipulation of the hematocrit--where are the limits? The view of the experimental surgeon] Brückner UB. **Anasthesiol Intensivmed Notfallmed Schmerzther** 1991 Jun; 26(4):216-9 (16 ref.) **(Ger)**
[The critical hematocrit from the clinical point of view] von Bormann B, et al. **Anasthesiol Intensivmed Notfallmed Schmerzther** 1991 Jun; 26(4):219-23 (24 ref.) **(Ger)**

HEMATO-ENCEPHALIC BARRIER see **BLOOD-BRAIN BARRIER**

HEMATOLOGIC DISEASES

Flow cytometry: clinical applications in haematology. Hoy TG. **Baillieres Clin Haematol** 1990 Oct;3(4):977-98 (89 ref.)

BLOOD

Red cell deformability and haematological disorders. Stuart J, et al. **Blood Rev** 1990 Sep;4(3):141-7 (56 ref.)
Hematologic disorders in rheumatic disease. Sturrock RD. **Curr Opin Rheumatol** 1991 Feb;3(1):172 (2 ref.)
Abnormal white blood cell count. Harris R. **Practitioner** 1990 Jul 16;234(1492):716-20 (0 ref.)

CHEMICALLY INDUCED

Haematological adverse drug reactions in hospital practice. Kueh YK. **Ann Acad Med Singapore** 1991 Jan;20(1):106-13 (41 ref.)
Standardization of definitions and criteria of causality assessment of adverse drug reactions. Drug-induced cytopenia. **Int J Clin Pharmacol Ther Toxicol** 1991 Feb; 29(2):75-81 (10 ref.)

COMPLICATIONS

Hematologic disorders with rheumatic manifestations. Sturrock RD. **Curr Opin Rheumatol** 1989 Dec;1(4):551-3 (6 ref.)
HIV-1 infection and hematologic picture. Re MC, et al. **Microbiologica** 1991 Apr;14(2):165-76 (74 ref.)

DIAGNOSIS

MR imaging of pediatric hematologic disorders. Murayama S, et al. **Acta Radiol** 1991 Jul;32(4):267-70 (17 ref.)
Haematological investigation in neonates. Blanchette V, et al. **Baillieres Clin Haematol** 1990 Oct;3(4):1019-54 (134 ref.)
Immunophenotyping in haematological diagnosis. Campana D, et al. **Baillieres Clin Haematol** 1990 Oct;3(4):889-919 (118 ref.)
Preoperative evaluation of hematologic status. Calandri C, et al. **Mt Sinai J Med** 1991 Jan;58(1):41-7 (40 ref.)
Prenatal diagnosis of hematologic disorders. Seashore MR. **Semin Perinatol** 1990 Oct;14(5):343-5 (14 ref.)
[The applications of in vitro culture [corrected] technics to hematological diagnosis (published erratum appears in Med Clin (Barc) 1990 Nov 24;95(18):711)] Florensa L. **Med Clin (Barc)** 1990 Oct 27;95(14):548-55 (51 ref.) **(Spa)**

DRUG THERAPY

Efficacy of danazol in hematologic disorders. Ahn YS. **Acta Haematol (Basel)** 1990;84(3):122-9 (40 ref.)
Antioxidant therapy in hematological disorders. Clemens MR. **Adv Exp Med Biol** 1990;264:423-33 (32 ref.)
Future strategies in the control of myelosuppression: the use of colony-stimulating factors. Haeuber D. **Oncol Nurs Forum** 1991 Mar;18(2 Suppl):16-21 (19 ref.)
Use of granulocyte-macrophage colony stimulating factor (GM-CSF) to support intensive chemotherapy. Klingemann HG. **Prog Clin Biol Res** 1990;354B:211-8 (14 ref.)
G-CSF and GM-CSF in clinical trials. Antman KH. **Yale J Biol Med** 1990 Sep-Oct;63(5):387-410 (153 ref.)
[Androgen treatment of hematologic diseases] Huang ZL. **Chung Hua Nei Ko Tsa Chih** 1990 Apr;29(4):239-42 (19 ref.) **(Chi)**

ETIOLOGY

Hematologic abnormalities in AIDS. Aboulafia DM, et al. **Hematol Oncol Clin North Am** 1991 Apr;5(2):195–214 (121 ref.)

GENETICS

Clonality in acquired hematologic disorders. Gilliland DG, et al. **Annu Rev Med** 1991;42:491–506 (99 ref.)
Cytogenetics in the investigation of haematological disorders. Heim S. **Baillieres Clin Haematol** 1990 Oct;3(4):921–48 (102 ref.)
Introduction: genetics in hematology III. Ranney HM. **Semin Hematol** 1990 Oct;27(4):287–9 (17 ref.)
[Correction of fatal genetic diseases using bone marrow transplantation. 1] Zintl F, et al. **Kinderarztl Prax** 1991 Jan–Feb;59(1–2):6–9 (30 ref.) (Eng. Abstr.) **(Ger)**
[Analysis of the human genome in pediatric hemato-oncology] Ballesta Martínez F. **An Esp Pediatr** 1990 Nov;33 Suppl 42:106–22 (60 ref.) **(Spa)**

PATHOLOGY

Megakaryocytopoiesis in haematological disorders: diagnostic features of bone marrow biopsies. An overview. Thiele J, et al. **Virchows Arch [A]** 1991;418(2):87–97 (113 ref.)
[Megakaryocytopoiesis in different blood diseases. II.] Podolak-Dawidziak M. **Pol Arch Med Wewn** 1991 Feb; 85(2):134–8 (39 ref.) **(Pol)**

PHYSIOPATHOLOGY

Haemorheology on the horizon. Mukherjee M, et al. **J Assoc Physicians India** 1990 Oct;38(10):791–2 (8 ref.)
Neutrophil function disorders: pathophysiology, prevention, and therapy. Yang KD, et al. **J Pediatr** 1991 Sep; 119(3):343–54 (69 ref.)

THERAPY

Hemopoietins in clinical oncology. Kanz L, et al. **Am J Clin Oncol** 1991;14 Suppl 1:S27–33 (77 ref.)
Recent trends in allogeneic bone marrow transplantation. Gluckman E. **Cancer Detect Prev** 1990;14(6):675–8 (43 ref.)
Interferon in haematological disorders. de Mel C. **Ceylon Med J** 1991 Mar;36(1):4–6 (13 ref.)
Blood component therapy in the perinatal period: guidelines and recommendations. DePalma L, et al. **Semin Perinatol** 1990 Oct;14(5):403–15 (60 ref.)
[High-dose intravenous immunoglobulins in the treatment of immune blood cytopenia. Mechanisms of action, indications and results] Aymard JP, et al. **Ann Med Interne (Paris)** 1990;141(8):689–97 (123 ref.) **(Fre)**
[Constitutional hematologic diseases. Perspectives of gene therapy] Cohen-Haguenauer O. **Presse Med** 1991 Jan 26; 20(3):117–23 (26 ref.) (Eng. Abstr.) **(Fre)**
[Hematologic neoplasms: clinically latent--but needing treatment?] Huber H, et al. **Verh Dtsch Ges Inn Med** 1990; 96:138–47 (60 ref.) **(Ger)**

HEMATOLOGIC TESTS

Neutrophil function tests. Haynes AP, et al. **Baillieres Clin Haematol** 1990 Oct;3(4):871–87 (62 ref.)
Flow cytometry: clinical applications in haematology. Hoy TG. **Baillieres Clin Haematol** 1990 Oct;3(4):977–98 (89 ref.)

METHODS

Blood tests in the diagnosis of connective tissue diseases. Handwerger BS. **Md Med J** 1991 Feb;40(2):97–105 (34 ref.)

HEMATOLOGY

see related
HEMATOLOGIC DISEASES
Haematology. O'Connor NT. **Postgrad Med J** 1990 Aug; 66(778):595–611 (171 ref.)

ECONOMICS

The impact of Medicaid on research-based care in pediatric hematology/oncology. van Eys J. **Am J Pediatr Hematol Oncol** 1991 Spring;13(1):91–6 (15 ref.)

HISTORY

Chloramphenicol toxicity: 25 years of research. Yunis AA. **Am J Med** 1989 Sep;87(3N):44N–48N (55 ref.)

LEGISLATION & JURISPRUDENCE

Juridical and liability reflexes of bone marrow processing. Flores A. **Haematologica** 1991 Mar;76 Suppl 1:50–1 (11 ref.)

METHODS

The development of the technology and capacity for the production of factor VIII for the treatment of hemophilia A [see comments] Aronson DL. **Transfusion** 1990 Oct; 30(8):748–58 (65 ref.) Comment in: Transfusion 1991 Jul-Aug;31(6):573–4.

STANDARDS

Current practices for quality assurance in laboratory haematology. Koepke JA. **Clin Lab Haematol** 1990;12 Suppl 1:75–81 (17 ref.)
Future directions for quality assurance in laboratory haematology. Koepke JA. **Clin Lab Haematol** 1990;12 Suppl 1:171–6 (13 ref.)
Quality control of multichannel haematology analysers: critique of current methods and the need for performance goals. O'Sullivan MB. **Clin Lab Haematol** 1990;12 Suppl 1:3–12 (34 ref.)
Assignment of assay values to Coulter controls and calibrators. Richardson-Jones A. **Clin Lab Haematol** 1990; 12 Suppl 1:23–30 (12 ref.)

TRENDS

Recent advances in hematology. Crowley JP. **R I Med J** 1990 Nov;73(11):541–6 (49 ref.)

HEMATOMA

Postpartum hemorrhage: placenta accreta, uterine inversion, and puerperal hematomas. Zahn CM, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):422–31 (38 ref.)

CHEMICALLY INDUCED

Low-dose heparin. A cause of hematoma of rectus abdominis. Tsapatsaris NP. **Arch Intern Med** 1991 Mar; 151(3):597–9 (20 ref.)
[Hematoma of the iliac psoas secondary to anticoagulant treatment. Urological implications] Romero Pérez P, et al. **Arch Esp Urol** 1991 Apr;44(3):302–6 (16 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Obstructing paraduodenal hematoma. Wilson EB, et al. **Am Surg** 1990 Nov;56(11):700–1 (16 ref.)
[Cerebellar ataxia and unilateral asterixis caused by thalamic hematoma. Presumed mechanisms] Trouillas P, et al. **Rev Neurol (Paris)** 1990;146(8–9):484–9 (38 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Hematoma of the head of the caudate nucleus] Pedrazzi P, et al. **Rev Neurol (Paris)** 1990;146(12):726–38 (50 ref.) (Eng. Abstr.) **(Fre)**
[31P chemical shift imaging of cerebral infarction, intracerebral hematoma and brain tumor] Sasahira M, et al. **Nippon Rinsho** 1991 Jul;49(7):1690–6 (27 ref.) **(Jpn)**

EPIDEMIOLOGY

A case of spontaneous mesenteric hematoma and a review of 17 cases in Japan. Aoki T, et al. **Gastroenterol Jpn** 1990 Dec;25(6):768–73 (27 ref.)

ETIOLOGY

Shock wave-induced pancreatic trauma. Mullen KD, et al. **Am J Gastroenterol** 1991 May;86(5):630–2 (15 ref.)
Irrepressible renal colic from spontaneous subcapsular hematoma as a sign of presentation of renal neoplasia. Case report and review of the literature. Fornarola V, et al. **Arch Esp Urol** 1990 Sep;43(7):801–5 (16 ref.)
Fatal pancreatitis secondary to iatrogenic intramural duodenal hematoma: a case report and review of the literature. Sadry F, et al. **Gastrointest Radiol** 1990 Fall; 15(4):296–8 (14 ref.)
Hematoma of the optic nerve sheath after penetrating trauma. Stonecipher KG, et al. **South Med J** 1990 Oct;83(10):1230–1 (4 ref.)
Anterior perforations in lumbar discectomies. A report of four cases of vascular complications and a CT study of the prevertebral lumbar anatomy. Anda S, et al. **Spine** 1991 Jan;16(1):54–60 (75 ref.)
Vascular complications of lumbar decompression laminectomy and foraminotomy. A unique case and review of the literature. Smith DW, et al. **Spine** 1991 Mar; 16(3):387–90 (12 ref.)
Pathogenesis and biomechanics of traumatic intracranial haemorrhages. Crooks DA. **Virchows Arch A Pathol Anat Histopathol** 1991; 418(6):479–83 (29 ref.)
[Compressive thigh hematoma. Apropos of a case of fissured superficial femoral aneurysm in megadolicho-arteries. Review of the literature] Guégan H, et al. **J Chir (Paris)** 1991 May;128(5):247–50 (8 ref.) (Eng. Abstr.) **(Fre)**
[Posterior fossa hemorrhage 11 years after the use of silastic dural substitute: case report] Gondo G, et al. **No Shinkei Geka** 1991 Jan;19(1):59–62 (8 ref.) (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Retroperitoneal hematoma. Miller RS, et al. **J Tenn Med Assoc** 1991 May;84(5):227–9 (9 ref.)

SURGERY

[Spontaneous hematoma of the cerebellum] Gilliard C, et al. **Neurochirurgie** 1990;36(6):347–53 (27 ref.) (Eng. Abstr.) **(Fre)**
[Auricular hematoma--case report of ruptured othematoma and bibliographic review] Yamasoba T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1990 Dec;93(12):2028–37 (46 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Office treatment of haemorrhoids and perianal haematoma. Iseli A. **Aust Fam Physician** 1991 Mar;20(3):284–90 (0 ref.)
Traumatic vulvar hematomas. Assessing and treating nonobstetric patients. Gianini GD, et al. **Postgrad Med** 1991 Mar;89(4):115–8 (7 ref.)
[The treatment of traumatic intracerebral hematomas] Lantukh AV. **Zh Vopr Neirokhir** 1991 Jan–Feb;(1):27–30 (114 ref.) **(Rus)**

ULTRASONOGRAPHY

[Unilateral hematoma of the adrenal gland. Review of the literature. A case report] Zimmermann JM, et al. **J Urol (Paris)** 1990;96(7):399–402 (31 ref.) (Eng. Abstr.) **(Fre)**

HEMATOMA, EPIDURAL

DIAGNOSIS

[MRI diagnosis of epidural cervical hematoma. A case report] Marmey G, et al. **J Radiol** 1990 Oct;71(10):549–53 (10 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

The spontaneous spinal epidural hematoma. A study of the etiology. Groen RJ, et al. **J Neurol Sci** 1990 Sep; 98(2–3):121–38 (124 ref.)
[Spinal anesthesia and prevention of thrombosis by heparin] Louville Y, et al. **Agressologie** 1990 Mar;31(3):160–3 (49 ref.) (Eng. Abstr.) **(Fre)**
[Heparin and spinal or epidural anesthesia: decision analysis] Schwander D, et al. **Ann Fr Anesth Reanim** 1991; 10(3):284–96 (73 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Epidural haematoma in the newborn infants: therapeutic consequences from the correlation between haematoma content and computed tomography features. A review. Aoki N. **Acta Neurochir (Wien)** 1990;106(1–2):65–7 (22 ref.)

HEMATOMA, SUBDURAL

COMPLICATIONS

[A case of chronic subdural hematoma associated with idiopathic thrombocytopenic purpura (ITP)] Sebe A, et al. **No Shinkei Geka** 1990 Aug;18(8):761–5 (16 ref.) (Eng. Abstr.) **(Jpn)**
[Asterixis in bilateral subdural hematoma (letter)] Palomo F, et al. **Med Clin (Barc)** 1990 Jun 9;95(2):77 (10 ref.) **(Spa)**

DIAGNOSIS

Chronic subdural hematoma in the elderly. Traynelis VC. **Clin Geriatr Med** 1991 Aug;7(3):583–98 (98 ref.)

ETIOLOGY

Iatrogenic spinal subdural haematoma. Bills DC, et al. **Aust N Z J Surg** 1991 Sep;61(9):703–6 (25 ref.)
Subdural hematoma after lumbar puncture: two case reports and review of the literature. Vos PE, et al. **Clin Neurol Neurosurg** 1991;93(2):127–32 (47 ref.)
Spontaneous spinal subdural hematoma: case report and review of the literature. Calhoun JM, et al. **Neurosurgery** 1991 Jul;29(1):133–4 (12 ref.)
Subdural hematoma associated with metastatic neoplasms. McKenzie CR, et al. **Neurosurgery** 1990 Oct;27(4):619–24; discussion 624–5 (51 ref.)
[Acute subdural hematoma of arteriolar origin. Traumatic or spontaneous?] Bongioanni F, et al. **Neurochirurgie** 1991; 37(1):26–31 (25 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

On the management of neonatal tentorial damage. Eight case reports and a review of the literature. Govaert P, et al. **Acta Neurochir (Wien)** 1990;106(1–2):52–64 (32 ref.)
[Methods of surgical treatment of chronic subdural hematoma] Antić B, et al. **Vojnosanit Pregl** 1990 Sep–Oct; 47(5):362–7 (69 ref.) **(Scr)**
[Symptomatic chronic subdural hematoma. Analysis of 68 cases treated surgically with small craniotomy and placement of a closed drainage system] Vilalta J, et al. **Neurologia** 1991 Feb;6(2):46–51 (28 ref.) (Eng. Abstr.) **(Spa)**

HEMATOPOIESIS

Hemopoietic colony-stimulating factors: biologic functions and clinical potentials. Sullivan R. **Am J Respir Cell Mol Biol** 1990 Oct;3(4):283–4 (13 ref.)
Role of transforming growth factor-beta 1 in regulation of hematopoiesis. Ruscetti FW, et al. **Ann N Y Acad Sci** 1991; 628:31–43 (44 ref.)

Growth and differentiation in the haemopoietic system. Dexter TM. **Biochem Soc Trans** 1991 Apr;19(2):303–6 (27 ref.)

Surface membrane–associated regulation of cell assembly, differentiation, and growth. Dainiak N. **Blood** 1991 Jul 15; 78(2):264–76 (196 ref.)

Expression and regulation of myeloid–specific genes in normal and leukemic myeloid cells. Lübbert M, et al. **Blood** 1991 Mar 1;77(5):909–24 (207 ref.)

Leukemia and the disruption of normal hematopoiesis. Sawyers CL, et al. **Cell** 1991 Jan 25;64(2):337–50 (140 ref.)

The biology of myelopoiesis. Nelson DA. **Clin Lab Med** 1990 Dec;10(4):649–59 (28 ref.)

The hematopoietic microenvironment. Greenberger JS. **Crit Rev Oncol Hematol** 1991;11(1):65–84 (232 ref.)

Haemopoietic growth factors: unravelling the secrets of blood formation. Bronchud MH. **Eur J Cancer** 1991; 27(3):369–72 (26 ref.)

Marrow biology and stem cells. Allen TD, et al. **Immunol Ser** 1990;49:1–38 (52 ref.)

Lymphocytes, lymphokines, and hematopoiesis. Garland JM. **Immunol Ser** 1990;49:297–328 (181 ref.)

Lymphocyte ontogeny and membrane markers. Goust JM. **Immunol Ser** 1990;50:173–94 (6 ref.)

Hematopoietic growth factors and progenitor cells in human acute leukemia. Löwenberg B, et al. **Immunol Ser** 1990; 49:277–96 (101 ref.)

Haemopoietic receptors and helical cytokines. Bazan JF. **Immunol Today** 1990 Oct;11(10):350–4 (72 ref.)

The biochemistry and biology of the myeloid haemopoietic cell growth factors. Heyworth CM, et al. **J Cell Sci Suppl** 1990;13:57–74 (89 ref.)

Intrathoracic extramedullary hematopoiesis simulating posterior mediastinal mass—report of a case in patient with beta–thalassemia intermedia. Yu YC, et al. **Kao Hsiung I Hsueh Ko Hsueh Tsa Chih** 1991 Jan;7(1):43–8 (23 ref.)

The role of transforming growth factor–beta in hematopoiesis. A review. Hooper WC. **Leuk Res** 1991; 15(4):179–84 (36 ref.)

Regulation of human megakaryocytopoiesis. Han ZC, et al. **Nouv Rev Fr Hematol** 1990;32(6):395–6 (10 ref.)

Megakaryocytopoiesis in man and laboratory animals. Conclusions derived from comparative studies and recently discovered animal models with megakaryocyte anomalies. Jackson CW, et al. **Prog Clin Biol Res** 1990;356:11–23 (54 ref.)

An overview of megakaryocytopoiesis. Levin J. **Prog Clin Biol Res** 1990;356:1–10 (25 ref.)

Platelet GPIIb as a marker for megakaryocytopoiesis. Marguerie G, et al. **Prog Clin Biol Res** 1990;356:55–64 (19 ref.)

Megakaryocytes and thrombopoiesis in vascular disease. Martin JF. **Prog Clin Biol Res** 1990;356:319–31 (26 ref.)

Waves of B–lymphopoiesis in the establishment of the mouse B–cell compartment [editorial] Marcos MA, et al. **Scand J Immunol** 1991 Aug;34(2):129–35 (59 ref.)

Introduction: the molecular biology of hematopoiesis. Williams D, et al. **Semin Hematol** 1991 Apr;28(2):114–6 (5 ref.)

[Biology and clinical applications of the principal hematopoietic cytokines (GM–CSF, G–CSF, IL–3, IL–6, IL–1)] Deconinck E, et al. **Rev Fr Transfus Hemobiol** 1990 Jul;33(4):259–90 (123 ref.) **(Fre)**

[The stem cell system of hematopoiesis: physiological and pathophysiological concepts] Fliedner TM, et al. **Verh Dtsch Ges Pathol** 1990;74:1–18 (42 ref.) (Eng. Abstr.) **(Ger)**

[Proliferation and differentiation in megakaryopoiesis] Kanz L, et al. **Verh Dtsch Ges Pathol** 1990;74:28–35 (36 ref.) (Eng. Abstr.) **(Ger)**

[The role of hematopoietic growth factors in the regulation of normal and pathological hematopoiesis] Welte K. **Verh Dtsch Ges Pathol** 1990;74:25–7 (15 ref.) (Eng. Abstr.) **(Ger)**

[Hematopoietic microenvironment: cellular and extracellular matrix elements] Minguell JJ, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):177–82 (35 ref.) (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Therapeutic use of hematopoietic growth factors in bone marrow transplantation. Nimer SD, et al. **Cancer Treat Res** 1990;50:141–64 (216 ref.)

The use of haemoregulatory peptides (pEEDCK monomer and dimer) for reduction of cytostatic drug induced haemopoietic damage. Paukovits WR, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):347–54 (13 ref.)

In vivo and in vitro effects of TGF–beta 1 on normal and neoplastic haemopoiesis. Ruscetti FW, et al. **Ciba Found Symp** 1991;157:212–27; discussion 227–31 (42 ref.)

[The application of hematopoietic growth factors in oncology] Hoekman K, et al. **Ned Tijdschr Geneeskd** 1991 Mar 9;135(10):409–14 (55 ref.) **(Dut)**

GENETICS

Functional requirements of c–myb during normal and leukemic hematopoiesis. Calabretta B, et al. **Crit Rev Oncog** 1991;2(3):187–94 (69 ref.)

The murine W/c–kit and Steel loci and the control of hematopoiesis. Bernstein A, et al. **Semin Hematol** 1991 Apr; 28(2):138–42 (32 ref.)

[The role of HLA antigens class II in differentiation of normal and pathological B–lymphocytes. I. Normal hematopoiesis] Pluta A. **Acta Haematol Pol** 1990 Jan–Jun; 21(1):113–7 (37 ref.) **(Pol)**

IMMUNOLOGY

Immune–deficient mice as models of normal and leukemic human hematopoiesis. Dick JE. **Cancer Cells** 1991 Feb; 3(2):39–48 (68 ref.)

Lymphohematopoiesis: role of growth factors in leukemogenesis and therapy. Fackler MJ, et al. **Hematol Oncol Clin North Am** 1990 Aug;4(4):849–65 (97 ref.)

PHYSIOLOGY

Suppression of normal hematopoiesis during acute leukemias. Najman A, et al. **Ann N Y Acad Sci** 1991;628:140–7 (28 ref.)

Regulation of hematopoiesis by interleukin–1. Fibbe WE, et al. **Biotherapy** 1990;2(4):325–35 (76 ref.)

Mouse hematopoietic stem cells. Spangrude GJ, et al. **Blood** 1991 Sep 15;78(6):1395–402 (56 ref.)

Regulation of human B–cell ontogeny. Uckun FM. **Blood** 1990 Nov 15;76(10):1908–23 (139 ref.)

Molecular regulation—biological role of heme in hematopoiesis. Abraham NG. **Blood Rev** 1991 Mar; 5(1):19–28 (70 ref.)

The future of cytokine combination therapy. Moore MA. **Cancer** 1991 May 15;67(10 Suppl):2718–26 (57 ref.)

Hematopoietic effects of a granulocyte–macrophage colony–stimulating factor/interleukin–3 fusion protein. Williams DE, et al. **Cancer** 1991 May 15;67(10 Suppl):2705–7 (5 ref.)

Colony–stimulating factors: enhancement of effector cell function. DiPersio JF. **Cancer Surv** 1990;9(1):81–113 (168 ref.)

Regulation of haemopoietic cell development by growth factors. Whetton AD. **Cell Signal** 1990;2(4):323–8 (42 ref.)

Eclectic mechanisms of heme regulation of hematopoiesis. Abraham NG, et al. **Int J Cell Cloning** 1991 May; 9(3):185–210 (123 ref.)

Hematopoiesis: an overview. DiJulio J. **Oncol Nurs Forum** 1991 Mar;18(2 Suppl):3–6 (16 ref.)

Regulation of human megakaryocytopoiesis by interacting cytokines. Hoffman R, et al. **Prog Clin Biol Res** 1990; 356:199–215 (60 ref.)

Role of thrombopoietin in controlling blood platelet production. McDonald TP, et al. **Prog Clin Biol Res** 1990; 356:219–30 (21 ref.)

The regulatory control of hemopoietic populations. Metcalf D. **Prog Clin Biol Res** 1990;356:147–54 (17 ref.)

The Jeremiah Metzger lecture. Regulation of hematopoiesis. Nathan DG. **Trans Am Clin Climatol Assoc** 1989;101:135–53 (67 ref.)

Megakaryocytopoiesis in haematological disorders: diagnostic features of bone marrow biopsies. An overview. Thiele J, et al. **Virchows Arch [A]** 1991;418(2):87–97 (113 ref.)

Regulation of hematopoiesis. Smith BR. **Yale J Biol Med** 1990 Sep–Oct;63(5):371–80 (36 ref.)

[Paraneoplastic syndromes of the hematopoietic cell system] Silling–Engelhardt G, et al. **Internist (Berl)** 1990 Aug; 31(8):520–5 (47 ref.) **(Ger)**

[Cytokine regulation of hemopoietic stem cell proliferation] Nakahata T. **Gan To Kagaku Ryoho** 1991 Jul;18(8):1235–42 (33 ref.) (Eng. Abstr.) **(Jpn)**

[Colony stimulating factor (CSF)—various aspects of its therapeutic use] Zduńczyk A. **Pol Arch Med Wewn** 1990 Jul;84(1):44–53 (36 ref.) **(Pol)**

[Granulocytopoietic growth factors. Biological properties] Skotnicki AB, et al. **Przegl Lek** 1990;47(8):607–14 (26 ref.) **(Pol)**

[Morphofunctional organization of the hemoimmunopoietic system in evolution] Pestova IM, et al. **Arkh Anat Gistol Embriol** 1990 Nov;99(11):90–9 (113 ref.) **(Rus)**

[Embryonal and fetal hematopoiesis: current problems] Torubarova NA. **Gematol Transfuziol** 1991 May;36(5):20–4 (28 ref.) **(Rus)**

RADIATION EFFECTS

[Prognosis of recovery after whole–body irradiation in relation to hematological indicators as the basis of clinical management of patients] Fliedner TM. **Gematol Transfuziol** 1990 Dec;35(12):27–31 (9 ref.) **(Rus)**

HEMATOPOIESIS, EXTRAMEDULLARY

Ascites revealing peritoneal and hepatic extramedullary hematopoiesis with peliosis in agnogenic myeloid metaplasia: case report and review of the literature. Lioté F, et al. **Am J Med** 1991 Jan;90(1):111–7 (32 ref.)

PHYSIOLOGY

Paraplegia in a pregnant thalassemic woman due to extramedullary hematopoiesis: successful management with transfusions. Singounas EG, et al. **Surg Neurol** 1991 Sep; 36(3):210–5 (22 ref.)

HEMATOPOIETIC CELL GROWTH FACTORS

Hematopoietic growth factors. Quesenberry PJ, et al. **Curr Opin Oncol** 1990 Feb;2(1):62–70 (22 ref.)

Use of hematopoietic growth factors in radiation accidents. Gale RP, et al. **Int J Radiat Oncol Biol Phys** 1990 Nov; 19(5):1291–5 (55 ref.)

[Hematopoietic growth factors] Pavletić Z, et al. **Lijec Vjesn** 1990 Sep–Oct;112(9–10):339–46 (89 ref.) (Eng. Abstr.) **(Scr)**

BIOSYNTHESIS

Large–scale production of hematopoietic growth factors. Thatcher DR. **Immunol Ser** 1990;49:329–57 (47 ref.)

METABOLISM

Hemopoietic growth factors and receptors: bound and free. Gordon MY. **Cancer Cells** 1991 Apr;3(4):127–33 (53 ref.)

PHYSIOLOGY

Positive news on the negative growth factors. Anagnostou A, et al. **Ann N Y Acad Sci** 1991;628:1–8 (19 ref.)

Hematopoietic growth factors. Tabbara IA, et al. **Anticancer Res** 1991 Jan–Feb;11(1):81–90 (98 ref.)

Haemopoietic growth factor interactions: in vitro and in vivo preclinical evaluation. Moore MA. **Cancer Surv** 1990; 9(1):7–80 (522 ref.)

Regulation of haemopoietic cell development by growth factors. Whetton AD. **Cell Signal** 1990;2(4):323–8 (42 ref.)

Haemopoietic growth factors: unravelling the secrets of blood formation. Bronchud MH. **Eur J Cancer** 1991; 27(3):369–72 (26 ref.)

Hematopoietic growth–factor signal transduction and regulation of gene expression. Farrar WL, et al. **Immunol Ser** 1990;49:379–410 (132 ref.)

Haemopoietic growth factors. Devereux S, et al. **Q J Med** 1990 Jun;75(278):537–50 (73 ref.)

[Hematopoietic factors and their receptors] Miura Y. **Nippon Naika Gakkai Zasshi** 1991 Apr 10;80(4):634–40 (11 ref.) **(Jpn)**

THERAPEUTIC USE

Clinical use of recombinant hematopoietic colony–stimulating factors. Shepro DS, et al. **Adv Intern Med** 1991;36:329–62 (145 ref.)

The role of GM–CSF, G–CSF, interleukin–3, and erythropoietin in myelodysplastic syndromes. Ganser A, et al. **Am J Clin Oncol** 1991;14 Suppl 1:S34–9 (38 ref.)

Hemopoietins in clinical oncology. Kanz L, et al. **Am J Clin Oncol** 1991;14 Suppl 1:S27–33 (77 ref.)

Hematopoietic growth factors: overview and clinical applications, Part III. Robinson BE, et al. **Am J Med Sci** 1990 Nov;300(5):311–21 (103 ref.)

Use of hematopoietic growth factors for treatment of aplastic anemia. Smith DH. **Am J Pediatr Hematol Oncol** 1990 Winter;12(4):425–33 (38 ref.)

Hematopoietins: biology, pathophysiology, and potential as therapeutic agents. Mertelsmann R. **Ann Oncol** 1991 Apr; 2(4):251–63 (122 ref.)

Hematopoietic growth factors in bone marrow transplantation [published erratum appears in Bone Marrow Transplant 1990 Dec;6(6):454] Mertelsmann R, et al. **Bone Marrow Transplant** 1990 Aug;6(2):73–7 (19 ref.)

Hematopoietic growth factors in oncology. Mertelsmann R, et al. **Cancer Detect Prev** 1990;14(6):613–6 (17 ref.)

The role of haemopoietic growth factors in the treatment of cancer: perspectives and future prospects. Crowther D. **Cancer Surv** 1990;9(1):213–31 (52 ref.)

The use of haemopoietic growth factors in the treatment of myelodysplastic syndromes. Greenberg PL, et al. **Cancer Surv** 1990;9(1):199–212 (34 ref.)

Bone marrow transplantation for aplastic anemia: recent advances and comparisons with alternative therapies. Champlin RE. **Cancer Treat Res** 1990;50:185–99 (72 ref.)

Therapeutic use of hematopoietic growth factors in bone marrow transplantation. Nimer SD, et al. **Cancer Treat Res** 1990;50:141–64 (216 ref.)

Biotherapy after marrow transplantation and the use of hematopoietic growth factors. Bianco JA, et al. **Curr Opin Oncol** 1990 Apr;2(2):289–96 (19 ref.)

The use of hematopoietic hormones in HIV infection and AIDS–related malignancies. Miles SA, et al. **Hematol Oncol Clin North Am** 1991 Apr;5(2):267–80 (41 ref.)

Clinical application of hematopoietic growth factors. Steward WP, et al. **Immunol Ser** 1990;49:359–78 (53 ref.)

Use of hematopoietic growth factors in radiation accidents. Gale RP, et al. **Int J Radiat Oncol Biol Phys** 1990 Nov; 19(5):1291–5 (55 ref.)

Clinical trials with haemopoietic growth factors. Steward WP, et al. **Prog Growth Factor Res** 1989;1(1):1–12 (44 ref.)

Cytokines and hematopoietins: physiology, pathophysiology, and potential as therapeutic agents. Mertelsmann R, et al. **Recent Results Cancer Res** 1991;121:121–40 (134 ref.)

Hemopoietic growth factors in the treatment of acute leukemias and myelodysplastic syndromes. Seipelt G, et al. **Recent Results Cancer Res** 1991;121:141–54 (44 ref.)

[The application of hematopoietic growth factors in oncology] Hoekman K, et al. **Ned Tijdschr Geneeskd** 1991 Mar 9;135(10):409–14 (55 ref.) **(Dut)**
[Use of hematopoietic growth factors in oncology] Delmer A, et al. **Bull Cancer (Paris)** 1991;78(2):115–31 (72 ref.) (Eng. Abstr.) **(Fre)**
[Recombinant hematopoietic growth factors. Results of molecular cloning and potential therapeutic applications] Steinheider G. **Med Klin** 1991 Apr 15;86(4):209–16 (142 ref.) **(Ger)**
[Hematopoietic tissue growth factors: clinical factors] Polli EE, et al. **Ann Ital Med Int** 1991 Jan–Mar;6(1 Pt 1):69–81 (90 ref.) (Eng. Abstr.) **(Ita)**
[Hematopoietic growth factors] **Minerva Cardioangiol** 1990 Jul–Aug;38(7–8):363–5 (9 ref.) **(Ita)**

HEMATOPOIETIC GROWTH FACTORS RECEPTORS see **RECEPTORS, COLONY-STIMULATING FACTOR**

HEMATOPOIETIC STEM CELLS

The blueness of stem cells [editorial] Quesenberry PJ. **Exp Hematol** 1991 Sep;19(8):725–8 (73 ref.)
Rationale for large scale bone marrow hemopoietic stem cell manipulation. Menichella G, et al. **Haematologica** 1991 Mar; 76 Suppl 1:3–6 (28 ref.)
Methodologies to estimate circulating hematopoietic progenitors for autologous transplantation in cancer patients. Ravagnani F, et al. **Haematologica** 1991 Mar;76 Suppl 1:46–9 (21 ref.)
[Development of hemopoietic stem cell research] Miura Y. **Nippon Rinsho** 1991 Feb;49(2):467–78 (39 ref.) **(Jpn)**

CYTOLOGY

Molecular analysis of primitive hematopoietic cell proliferation control mechanisms. Eaves CJ, et al. **Ann N Y Acad Sci** 1991;628:298–306 (23 ref.)
Suppression of normal hematopoiesis during acute leukemias. Najman A, et al. **Ann N Y Acad Sci** 1991;628:140–7 (28 ref.)
Superoxide dismutase as an inhibitor of erythroid progenitor cell cycling. Pluthero FG, et al. **Ann N Y Acad Sci** 1991; 628:222–32 (38 ref.)
Growth and differentiation in the haemopoietic system. Dexter TM. **Biochem Soc Trans** 1991 Apr;19(2):303–6 (27 ref.)
Control of proliferation by myeloid growth factors. Vallance SJ, et al. **Biochem Soc Trans** 1991 Apr;19(2):307–15 (126 ref.)
Mouse hematopoietic stem cells. Spangrude GJ, et al. **Blood** 1991 Sep 15;78(6):1395–402 (56 ref.)
Regulation of human B-cell ontogeny. Uckun FM. **Blood** 1990 Nov 15;76(10):1908–23 (139 ref.)
Human hemopoietic progenitors and their signals. Messner HA. **Bone Marrow Transplant** 1991;7 Suppl 1:18–22 (36 ref.)
Leukemia and the disruption of normal hematopoiesis. Sawyers CL, et al. **Cell** 1991 Jan 25;64(2):337–50 (140 ref.)
EMBO medal review. On transferring genes into stem cells and mice. Wagner EF. **EMBO J** 1990 Oct;9(10):3024–32 (56 ref.)
Maturation of hematolymphoid cells that express Thy-1. Müller-Sieburg CE, et al. **Immunol Ser** 1989;45:289–316 (111 ref.)
Growth and differentiation factors of pluripotential stem cells. Heath JK, et al. **J Cell Sci Suppl** 1990;13:75–85 (44 ref.)
Regulation of human megakaryocytopoiesis. Han ZC, et al. **Nouv Rev Fr Hematol** 1990;32(6):395–6 (10 ref.)
Waves of B-lymphopoiesis in the establishment of the mouse B-cell compartment [editorial] Marcos MA, et al. **Scand J Immunol** 1991 Aug;34(2):129–35 (59 ref.)
Regulation of primitive human hematopoietic cells in long-term marrow culture. Eaves CJ, et al. **Semin Hematol** 1991 Apr;28(2):126–31 (18 ref.)
Culture of hematopoietic stem cells purified from murine bone marrow. Visser JW, et al. **Semin Hematol** 1991 Apr; 28(2):117–25 (48 ref.)
The pluripotent hemopoietic stem cell: its identification and applications. van Bekkum DW. **Verh Dtsch Ges Pathol** 1990;74:19–24 (30 ref.)
[Proliferation and differentiation in megakaryopoiesis] Kanz L, et al. **Verh Dtsch Ges Pathol** 1990;74:28–35 (36 ref.) (Eng. Abstr.) **(Ger)**
[The role of hematopoietic growth factors in the regulation of normal and pathological hematopoiesis] Welte K. **Verh Dtsch Ges Pathol** 1990;74:25–7 (15 ref.) (Eng. Abstr.) **(Ger)**
[Cytokine regulation of hemopoietic stem cell proliferation] Nakahata T. **Gan To Kagaku Ryoho** 1991 Jul;18(8):1235–42 (33 ref.) (Eng. Abstr.) **(Jpn)**
[The role of HLA antigens class II in differentiation of normal and pathological B-lymphocytes. I. Normal hematopoiesis] Pluta A. **Acta Haematol Pol** 1990 Jan–Jun; 21(1):113–7 (37 ref.) **(Pol)**
[Granulocytopoietic growth factors. Biological properties] Skotnicki AB, et al. **Przegl Lek** 1990;47(8):607–14 (26 ref.) **(Pol)**

DRUG EFFECTS

Hemopoietic growth factors and receptors: bound and free. Gordon MY. **Cancer Cells** 1991 Apr;3(4):127–33 (53 ref.)
In vivo and in vitro effects of TGF-beta 1 on normal and neoplastic haemopoiesis. Ruscetti FW, et al. **Ciba Found Symp** 1991;157:212–27; discussion 227–31 (42 ref.)
[In vitro effects and possible clinical relevance of interleukin 3] Zwierzina H, et al. **Acta Med Austriaca** 1991;18(1):24–7 (26 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Hematopoietic stem-cell differentiation. Spangrude GJ. **Curr Opin Immunol** 1991 Apr;3(2):171–8 (55 ref.)
Ontogeny of normal human B-cell and T-cell precursors and its relation to leukemogenesis. LeBien TW, et al. **Hematol Oncol Clin North Am** 1990 Aug;4(4):835–47 (62 ref.)
Autoreactive HLA-DR-specific autoreactive T-cell clones: possible regulatory function for B lymphocytes and hematopoietic precursors. Tilkin AF, et al. **Immunol Rev** 1990 Aug;116:171–81 (27 ref.)

METABOLISM

Interleukin-3 (IL-3) and granulocyte-macrophage colony-stimulating factor (GM-CSF): two cytokines increasing histamine synthesis by hematopoietic cells. Dy M, et al. **Eur Cytokine Netw** 1991 May–Jun;2(3):153–72 (195 ref.)
Expression of introduced genetic sequences in hematopoietic cells following retroviral-mediated gene transfer. Williams DA. **Hum Gene Ther** 1990 Fall;1(3):229–39 (59 ref.)

PATHOLOGY

Acute myelofibrosis--a leukemia of pluripotent stem cell. A report of three cases and review of the literature. Amberger DM, et al. **Ann Clin Lab Sci** 1990 Nov–Dec;20(6):409–14 (18 ref.)
Drug-induced agranulocytosis. Peripheral destruction of polymorphonuclear leukocytes and their marrow precursors. Pisciotta AV. **Blood Rev** 1990 Dec;4(4):226–37 (58 ref.)
Cellular dynamics of leukemias. Raza A, et al. **Crit Rev Oncog** 1990;1(4):373–88 (114 ref.)
Growth regulation of malignant clonogenic cells in acute myeloid leukemia. Cannistra SA. **Curr Opin Oncol** 1991 Feb;3(1):4–12 (43 ref.)
Bone marrow dysfunction in irradiated, cytomegalovirus-infected mice. Reddehase MJ. **Transplant Proc** 1991 Jun;23(3 Suppl 3):10–1, discussion 11 (8 ref.)
Stem cell origin of human myeloid blood cell neoplasms. Fialkow PJ. **Verh Dtsch Ges Pathol** 1990;74:43–7 (33 ref.)
[Role of hemopoietic stem cells and progenitor cells in preleukemia] Dörmer P, et al. **Verh Dtsch Ges Pathol** 1990; 74:65–74 (30 ref.) (Eng. Abstr.) **(Ger)**
[Stem cell proliferation and differentiation of lymphopoiesis] Feller AC, et al. **Verh Dtsch Ges Pathol** 1990;74:75–92 (73 ref.) (Eng. Abstr.) **(Ger)**
[Clonality and stem cell defects in the molecular pathology of chronic myeloproliferative disorders] Kreipe H, et al. **Verh Dtsch Ges Pathol** 1990;74:49–64 (55 ref.) (Eng. Abstr.) **(Ger)**
[Colony stimulating factor (CSF)--various aspects of its therapeutic use] Zduńczyk A. **Pol Arch Med Wewn** 1990 Jul;84(1):44–53 (36 ref.) **(Pol)**
[Age-related differences in hematopoietic progenitor cells and the problems of carcinogenesis] Brilliant MD, et al. **Ter Arkh** 1990;62(7):15–20 (22 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Hemopoietic colony-stimulating factors: biologic functions and clinical potentials. Sullivan R. **Am J Respir Cell Mol Biol** 1990 Oct;3(4):283–4 (13 ref.)
Leukemia inhibitory factor: does the cap fit? Gearing DP. **Ann N Y Acad Sci** 1991;628:9–18 (58 ref.)
Gene transfer into murine hematopoietic stem cells and bone marrow stromal cells. Luskey BD, et al. **Ann N Y Acad Sci** 1990;612:398–406 (36 ref.)
Surface membrane-associated regulation of cell assembly, differentiation, and growth. Dainiak N. **Blood** 1991 Jul 15; 78(2):264–76 (196 ref.)
Expression and regulation of myeloid-specific genes in normal and leukemic myeloid cells. Lübbert M, et al. **Blood** 1991 Mar 1;77(5):909–24 (207 ref.)
Review: Stratton Lecture 1990. Clinical implications of positive and negative hematopoietic stem cell regulators. Moore MA. **Blood** 1991 Jul 1;78(1):1–19 (139 ref.)
Gene transfer into hematopoietic stem cells. Nienhuis AW, et al. **Cancer** 1991 May 15;67(10 Suppl):2700–4 (25 ref.)
The biochemistry and biology of the myeloid haemopoietic cell growth factors. Heyworth CM, et al. **J Cell Sci Suppl** 1990;13:57–74 (89 ref.)
Homing of hemopoietic progenitor cells to the marrow. Tavassoli M, et al. **Proc Soc Exp Biol Med** 1991 Apr; 196(4):367–73 (80 ref.)
Haemopoietic growth factors. Devereux S, et al. **Q J Med** 1990 Jun;75(278):537–50 (73 ref.)
Regulation of hematopoiesis. Smith BR. **Yale J Biol Med** 1990 Sep–Oct;63(5):371–80 (36 ref.)
[The stem cell system of hematopoiesis: physiological and pathophysiological concepts] Fliedner TM, et al. **Verh Dtsch Ges Pathol** 1990;74:1–18 (42 ref.) (Eng. Abstr.) **(Ger)**
[Function and pathology of bone marrow stromal cells] Müller-Hermelink HK, et al. **Verh Dtsch Ges Pathol** 1990; 74:93–105 (56 ref.) (Eng. Abstr.) **(Ger)**
[Humoral regulation of stem cell proliferation] Musashi M, et al. **Rinsho Ketsueki** 1991 May;32(5):439–46 (62 ref.) (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

Interactions in recovery and in residual injury from sequential treatments of mouse haemopoietic and stromal marrow cell populations, using X-rays, cyclophosphamide and busulphan. Qi DY, et al. **Radiother Oncol** 1991 Jan; 20(1):46–52 (33 ref.)
[Prognosis of recovery after whole-body irradiation in relation to hematological indicators as the basis of clinical management of patients] Fliedner TM. **Gematol Transfuziol** 1990 Dec;35(12):27–31 (9 ref.) **(Rus)**

TRANSPLANTATION

The evolving role of autologous peripheral stem cell transplantation following high-dose therapy for malignancies [editorial] Kessinger A, et al. **Blood** 1991 Jan 15;77(2):211–3 (13 ref.)
Autologous blood stem cell transplantation in hematologic malignancies. Majolino I, et al. **Haematologica** 1990 Nov–Dec;75(6):555–66 (127 ref.)
Peripheral blood stem cell transplantation as an alternative to bone marrow transplantation: an overview. Janakiraman N. **Henry Ford Hosp Med J** 1991;39(2):103–7 (29 ref.)
Embryonic stem cell grafting: the therapy of the future? Hollands P. **Hum Reprod** 1991 Jan;6(1):79–84 (75 ref.)
[Autologous hematopoietic stem cell transplantation--application to recurrent breast cancer] Mukaiyama T, et al. **Gan To Kagaku Ryoho** 1990 Oct; 17(10):1989–96 (36 ref.) (Eng. Abstr.) **(Jpn)**
[Peripheral blood stem cell transplantation (PBSCT)] Ninomiya T, et al. **Nippon Rinsho** 1990 Dec;48(12):2951–60 (46 ref.) **(Jpn)**

HEMATOPOIETIC SYSTEM

ANATOMY & HISTOLOGY

[Morphofunctional organization of the hemoimmunopoietic system in evolution] Pestova IM, et al. **Arkh Anat Gistol Embriol** 1990 Nov;99(11):90–9 (113 ref.) **(Rus)**

PATHOLOGY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the haematopoietic system. Ward JM, et al. **IARC Sci Publ** 1990;(99):625–57 (168 ref.)

PHYSIOLOGY

Proteoglycans in haemopoietic cells. Kolset SO, et al. **Biochim Biophys Acta** 1990 Dec 11;1032(2–3):191–211 (170 ref.)
src-related tyrosine protein kinases as signaling components in hematopoietic cells [published erratum appears in Cancer Cells 1990 Dec;2(12):405] Eiseman E, et al. **Cancer Cells** 1990 Oct;2(10):303–10 (75 ref.)
Introduction to the haemopoietic system. Dexter TM. **Cancer Surv** 1990;9(1):1–5 (15 ref.)

ULTRASTRUCTURE

Hematopoietic growth factor receptors. Brizzi MF, et al. **Int J Cell Cloning** 1991 Jul;9(4):274–300 (188 ref.)

HEMATOPOIETINS see **HEMATOPOIETIC CELL GROWTH FACTORS**

HEMATOPORPHYRINS

THERAPEUTIC USE

[Photodynamic therapy in the urological field] Hisazumi H. **Nippon Hinyokika Gakkai Zasshi** 1991 Jun;82(6):865–70 (41 ref.) **(Jpn)**

HEMATURIA

DIAGNOSIS

Hematuria: essentials of diagnosis. Paola AS. **Hosp Pract [Off]** 1990 Nov 15;25(11):144, 147–8, 151–2 (12 ref.)
Hematuria screening for bladder cancer. Messing EM, et al. **J Occup Med** 1990 Sep;32(9):838–45 (46 ref.)
An approach to the evaluation and treatment of microscopic hematuria. Lieu TA, et al. **Pediatr Clin North Am** 1991 Jun;38(3):579–92 (58 ref.)
[Hematuria in children] Donoso P, et al. **Rev Chil Pediatr** 1990;61 Suppl 1:8–10 (0 ref.) **(Spa)**

ETIOLOGY

Spontaneous aorto-left renal vein fistula: the "abdominal pain, hematuria, silent left kidney" syndrome. Mansour MA, et al. **Surgery** 1991 Jan;109(1):101–6 (50 ref.)

Haematuria and sickle cell disease. A report of 12 cases and review of the literature. Osegbe DN. **Trop Geogr Med** 1990 Jan;42(1):22–7 (20 ref.)
[Unexplained hematuria] Bendhack DA. **AMB Rev Assoc Med Bras** 1990 Jan–Mar;36(1):7–10 (39 ref.) **(Por)**

GENETICS

Familial hematuric nephropathy: a review of thirty-four personal cases. Boggi R, et al. **Contrib Nephrol** 1990; 80:101–6 (23 ref.)

HEME

ANALYSIS

Iron and heme contents of the extracellular hemoglobins and chlorocruorins of annelids. Vinogradov SN, et al. **Comp Biochem Physiol [B]** 1991;98(2–3):187–94 (83 ref.)
Haem in the gut. Part II. Faecal excretion of haem and haem-derived porphyrins and their detection. Young GP, et al. **J Gastroenterol Hepatol** 1990 Mar–Apr;5(2):194–203 (42 ref.)

BIOSYNTHESIS

Regulation of heme biosynthesis in chick embryo liver cells. Marks GS, et al. **Adv Exp Med Biol** 1989;271:123–33 (30 ref.)
Transfer RNA and the formation of the heme and chlorophyll precursor, 5-aminolevulinic acid. O'Neill GP, et al. **Biofactors** 1990 Oct;2(4):227–35 (86 ref.)
Molecular regulation of 5-aminolevulinate synthase. Diseases related to heme biosynthesis. May BK, et al. **Mol Biol Med** 1990 Oct;7(5):405–21 (63 ref.)
Oxidative injury mediated by the hepatic cytochrome P-450 system in conjunction with cellular iron. Effects on the pathway of haem biosynthesis. Smith AG, et al. **Xenobiotica** 1990 Sep;20(9):865–77 (60 ref.)

CHEMISTRY

Structural and functional approach toward a classification of the complex cytochrome c system found in sulfate-reducing bacteria. Moura JJ, et al. **Biochim Biophys Acta** 1991 May 23;1058(1):61–6 (89 ref.)
Free radical modification of prosthetic heme groups. Ortiz de Montellano PR. **Pharmacol Ther** 1990;48(1):95–120 (2024 ref.)

DEFICIENCY

Heme in the treatment of heme deficiency states. Tenhunen R. **Scand J Clin Lab Invest Suppl** 1990;201:63–75 (111 ref.)

METABOLISM

Effect of cis-platinum on heme, drug, and steroid metabolism pathways: possible involvement in nephrotoxicity and infertility. Maines MD. **Crit Rev Toxicol** 1990;21(1):1–20 (136 ref.)
Haem in the gut. I. Fate of haemoproteins and the absorption of haem. Young GP, et al. **J Gastroenterol Hepatol** 1989 Nov–Dec;4(6):537–45 (44 ref.)

PHYSIOLOGY

Molecular regulation--biological role of heme in hematopoiesis. Abraham NG. **Blood Rev** 1991 Mar; 5(1):19–28 (70 ref.)
Heme-dependent activation of guanylate cyclase by nitric oxide: a novel signal transduction mechanism. Ignarro LJ. **Blood Vessels** 1991;28(1–3):67–73 (40 ref.)
Eclectic mechanisms of heme regulation of hematopoiesis. Abraham NG, et al. **Int J Cell Cloning** 1991 May; 9(3):185–210 (123 ref.)
Physiologic role of heme and cytochrome P-450 in hematopoietic cells. Lutton JD, et al. **Proc Soc Exp Biol Med** 1991 Mar;196(3):260–9 (93 ref.)

THERAPEUTIC USE

Heme in the treatment of heme deficiency states. Tenhunen R. **Scand J Clin Lab Invest Suppl** 1990;201:63–75 (111 ref.)

HEMEPROTEINS

ANALYSIS

Iron and heme contents of the extracellular hemoglobins and chlorocruorins of annelids. Vinogradov SN, et al. **Comp Biochem Physiol [B]** 1991;98(2–3):187–94 (83 ref.)
Haem in the gut. Part II. Faecal excretion of haem and haem-derived porphyrins and their detection. Young GP, et al. **J Gastroenterol Hepatol** 1990 Mar–Apr;5(2):194–203 (42 ref.)

CHEMISTRY

Free radical modification of prosthetic heme groups. Ortiz de Montellano PR. **Pharmacol Ther** 1990;48(1):95–120 (2024 ref.)

METABOLISM

Haem in the gut. I. Fate of haemoproteins and the absorption of haem. Young GP, et al. **J Gastroenterol Hepatol** 1989 Nov–Dec;4(6):537–45 (44 ref.)

HEMERALOPIA see **VISION DISORDERS**

HEMIANOPSIA

ETIOLOGY

Altitudinal hemianopia; a clinical and anatomical entity or a mere coincidence? Case report and review of literature. Vanroose E, et al. **Acta Neurol Belg** 1990;90(5):254–64 (18 ref.)

HEMICRANIA see **MIGRAINE**

HEMIFACIAL MICROSOMIA see **FACIAL ASYMMETRY**

HEMIPARESIS see **HEMIPLEGIA**

HEMIPLEGIA

COMPLICATIONS

Shoulder pain in hemiplegia. Krotenberg R. **Adv Clin Rehabil** 1990;3:189–96 (13 ref.)

DIAGNOSIS

[Atactic hemiplegia syndrome] Babenkov NV, et al. **Klin Med (Mosk)** 1991 Jan;69(1):22–6 (34 ref.) **(Rus)**

ETIOLOGY

Acute hemiplegia in infancy. Dooling EC. **Indian J Pediatr** 1990 May–Jun;57(3):325–35 (15 ref.)
[Hemiplegia: diagnosis and differential diagnosis] Uldry PA, et al. **Schweiz Rundsch Med Prax** 1990 Oct 23; 79(43):1285–90 (40 ref.) (Eng. Abstr.) **(Fre)**
[Ophthalmic zoster with contralateral hemiplegia] Członkowska A. **Neurol Neurochir Pol** 1991 Jan–Feb; 25(1):79–86 (27 ref.) (Eng. Abstr.) **(Pol)**

NURSING

Unilateral neglect: mechanisms and nursing care. Kalbach LR. **J Neurosci Nurs** 1991 Apr;23(2):125–9 (18 ref.)

THERAPY

Motor learning concepts applied to activity-based intervention with adults with hemiplegia. Sabari JS. **Am J Occup Ther** 1991 Jun;45(6):523–30 (60 ref.)

HEMIPTERA

ANALYSIS

MAPs and motors in insect ovaries. Stebbings H, et al. **J Cell Sci Suppl** 1991;14:151–5 (24 ref.)

HEMOBILIA

ETIOLOGY

[Massive hemobilia. Review of the literature. Apropos of 2 cases] Hamoir E, et al. **J Chir (Paris)** 1991 May; 128(5):226–30 (31 ref.) (Eng. Abstr.) **(Fre)**
[Post-traumatic hemobilia caused by arteriobiliary fistula. A case report and review of the literature] Ortiz M, et al. **J Chir (Paris)** 1990 Oct;127(10):456–8 (15 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[Surgical treatment of traumatic hemobilia] Ponomarev AA. **Klin Khir** 1990;(11):60–2 (49 ref.) **(Rus)**

HEMOCHROMATOSIS

Overview of hemochromatosis. Smith LH Jr. **West J Med** 1990 Sep;153(3):296–308 (53 ref.)

COMPLICATIONS

Hemochromatosis and infection: alcohol and iron, oysters and sepsis. Muench KH. **Am J Med** 1989 Sep; 87(3N):40N–43N (38 ref.)
Hemochromatosis and pyruvate kinase deficiency. Report of a case and review of the literature. De Braekeleer M, et al. **Ann Hematol** 1991 May;62(5):188–9 (11 ref.)

DIAGNOSIS

Idiopathic hemochromatosis. Kinney TB, et al. **Am Fam Physician** 1991 Sep;44(3):873–5 (3 ref.)
Disorders of inadequate iron. Green R. **Hosp Pract (Off Ed)** 1991 Apr;26 Suppl 3:25–9 (0 ref.)
[Perinatal hemochromatosis] de Boissieu D, et al. **Pediatrie** 1991;46(2):141–5 (39 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Iron nutrition in childhood: the interplay of genes, development and environment. Wharton BA. **Acta Paediatr Scand Suppl** 1989;361:5–11 (39 ref.)
[Calcipenic osteopathy in transfusion hemosiderosis and idiopathic hemochromatosis] Czink E, et al. **Orv Hetil** 1991 Jun 2;132(22):1187–92 (42 ref.) (Eng. Abstr.) **(Hun)**
[Physiopathology of iron metabolism and hemochromatosis: interrelationships, assessment and pathogenesis of iron overload, screening] Carrella M, et al. **Ann Ital Med Int** 1989 Oct–Dec;4(4):396–407 (56 ref.) (Eng. Abstr.) **(Ita)**
[Hemochromatosis of the heart] Scieszka J, et al. **Kardiol Pol** 1990;33(11–2):71–6 (38 ref.) **(Pol)**

GENETICS

Inherited iron overload. Halliday JW. **Acta Paediatr Scand Suppl** 1989;361:86–95 (44 ref.)
Iron storage disease in parents and sibs of infants with neonatal hemochromatosis: 30-year follow-up. Dalhøj J, et al. **Am J Med Genet** 1990 Nov;37(3):342–5 (16 ref.)
Disorders of excess iron. Edwards CQ, et al. **Hosp Pract (Off Ed)** 1991 Apr;26 Suppl 3:30–6 (0 ref.)
[Heredity and genetics of hemochromatosis] Yaouanq J. **Rev Med Interne** 1989 Nov–Dec;10(6):541–7 (47 ref.) **(Fre)**
[Early detection of hereditary hemochromatosis and Wilson's disease] Niederau C, et al. **Z Gastroenterol Verh** 1991 Mar; 26:82–7 (29 ref.) **(Ger)**

IMMUNOLOGY

Iron and infection: the clinical evidence. Oppenheimer SJ. **Acta Paediatr Scand Suppl** 1989;361:53–62 (98 ref.)
[Correlation of HLA antigens and idiopathic hemochromatosis in Hungary] Czink E, et al. **Orv Hetil** 1991 Feb 24;132(8):409–10, 413–5 (26 ref.) (Eng. Abstr.) **(Hun)**

METABOLISM

Transferrin receptor expression in normal and iron overloaded liver. Sciot R, et al. **APMIS Suppl** 1991; 23:21–31 (70 ref.)
[Differences in the pattern of iron accumulation in primary and secondary hemochromatosis. Diagnostic importance and clinical consequences] Düllmann J, et al. **Folia Haematol (Leipz)** 1990;117(3):413–7 (26 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Screening for haemochromatosis. Ulvik RJ. **Scand J Clin Lab Invest Suppl** 1990;202:90–3 (4 ref.)

THERAPY

Current concepts in rational therapy for haemochromatosis. Crawford DH, et al. **Drugs** 1991 Jun;41(6):875–82 (27 ref.)

HEMOCUPREIN see **SUPEROXIDE DISMUTASE**

HEMOCYANIN

METABOLISM

[Hierarchies in the structure and function of oxygen-binding proteins] Decker H, et al. **Naturwissenschaften** 1990 Dec; 77(12):561–8 (33 ref.) (Eng. Abstr.) **(Ger)**

HEMOCYTES

IMMUNOLOGY

Functional studies on insect haemocytes, including non-self recognition. Ratcliffe NA, et al. **Res Immunol** 1990 Nov–Dec;141(9):919–23 (17 ref.)

HEMODIALYSIS

see related
KIDNEY, ARTIFICIAL

New aspects of biocompatibility of hemodialysis membranes. Wauters JP, et al. **Adv Nephrol Necker Hosp** 1991;20:275–80 (17 ref.)
Effects of erythropoietin in predialysis patients. Anderson S. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):103–6 (35 ref.)
Dialysis considerations in the elderly patient. Henrich WL. **Am J Kidney Dis** 1990 Oct;16(4):339–41 (17 ref.)
Strategies for enhancing compliance in the dialysis elderly. King K. **Am J Kidney Dis** 1990 Oct;16(4):351–3 (13 ref.)
Protein metabolism and nutrition in hemodialysis patients. Alvestrand A. **Contrib Nephrol** 1990;78:102–18 (62 ref.)
Interleukin-1 and inhibition of interleukin-1 in hemodialysis patients. Dinarello CA. **Contrib Nephrol** 1990;86:48–69; discussion 69–72 (62 ref.)
Kinetics of beta-2-microglobulin in hemodialysis. Gotch F, et al. **Contrib Nephrol** 1989;74:132–8 (15 ref.)
The art of hemodialysis. Nose Y. **Contrib Nephrol** 1990; 82:98–101 (0 ref.)
Short haemodialysis. Shaldon S. **Contrib Nephrol** 1990;82:1–5 (21 ref.)
Strategies for hepatic support in acute liver failure: role of extracorporeal devices versus liver transplantation. De Groot GH, et al. **J Gastroenterol Hepatol** 1989 May–Jun; 4(3):283–93 (86 ref.)
A survey of vascular access for haemodialysis in The Netherlands. Burger H, et al. **Nephrol Dial Transplant** 1991; 6(1):5–10 (10 ref.)

Phosphate kinetics in dialysis patients. Haas T, et al. **Nephrol Dial Transplant** 1991;6 Suppl 2:108–13 (8 ref.)
Leukocyte-derived mediators and biocompatibility. Tetta C, et al. **Nephrol Dial Transplant** 1991;6 Suppl 2:24–30 (88 ref.)
Nephrology, dialysis and transplantation. Farrington K, et al. **Postgrad Med J** 1990 Jul;66(777):502–25 (235 ref.)
Lipolytic effects of heparin and low molecular weight heparin and their importance in hemodialysis. Schrader J, et al. **Semin Thromb Hemost** 1990 Oct;16 Suppl:41–5 (45 ref.)
[Frequency of painless myocardial ischemia during hemodialysis in 50 patients with chronic kidney failure] Pochmalicki G, et al. **Arch Mal Coeur** 1990 Oct; 83(11):1671–5 (28 ref.) (Eng. Abstr.) **(Fre)**
[Membrane phospholipid peroxidation in renal insufficiency and chronic hemodialysis] Paul JL, et al. **Nephrologie** 1991; 12(1):4–7 (39 ref.) (Eng. Abstr.) **(Fre)**
[Radiologic skeletal diagnosis in dialysis patients] Rieden K, et al. **Med Klin** 1990 Aug 15;85(8):488–92, 509 (30 ref.) **(Ger)**
[Special problems of nutrition therapy in patients with terminal kidney insufficiency with chronic ambulatory hemodialysis] Kaufmann P, et al. **Wien Med Wochenschr** 1991;141(4):86–8 (60 ref.) (Eng. Abstr.) **(Ger)**
[Comparative study of acetate and bicarbonate hemodialysis in children with chronic uremia] Dobos E, et al. **Orv Hetil** 1991 Aug 11;132(32):1749–54 (37 ref.) (Eng. Abstr.) **(Hun)**
[Mortality in patients with chronic renal insufficiency undergoing hemodialysis. Hyperlipemia as coadjuvant factor] Joven J, et al. **Med Clin (Barc)** 1991 Jan 26; 96(3):110–3 (54 ref.) **(Spa)**
[Disseminated mucormycosis in a hemodialyzed female patient treated with deferoxamine] Ponz E, et al. **Rev Clin Esp** 1991 Feb;188(2):85–7 (21 ref.) (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Cardiovascular function in hemodialysis patients. London GM, et al. **Adv Nephrol Necker Hosp** 1991;20:249–73 (78 ref.)
Can the nephrologist prevent dialysis-related amyloidosis? Zingraff J, et al. **Am J Kidney Dis** 1991 Jul;18(1):1–11 (99 ref.)
Pathological fractures and lytic bone lesion of the femoral neck associated with beta 2-microglobulin amyloid deposition in long-term dialysis patients. Scheumann GF, et al. **Arch Orthop Trauma Surg** 1991;110(2):93–7 (24 ref.)
Hemodialysis-associated induction of cytokines. Lonnemann G, et al. **Blood Purif** 1990;8(4):214–22 (32 ref.)
Functional changes in immunocompetent cells induced by direct cell/membrane interactions in dialysis. Blumenstein M, et al. **Contrib Nephrol** 1990;86:111–20 (22 ref.)
Beta-2-microglobulin and dialysis-related amyloidosis. Recent developments. Floege J, et al. **Contrib Nephrol** 1989; 74:120–6 (30 ref.)
Dialysis amyloidosis: current disease concepts and new perspectives for its treatment. Gejyo F, et al. **Contrib Nephrol** 1990;78:47–59; discussion 59–60 (29 ref.)
Pathophysiologic aspects of plasma volume preservation during dialysis and ultrafiltration. Leunissen KM, et al. **Contrib Nephrol** 1990;78:201–11 (39 ref.)
Cardiac changes in uremia and their possible relation to cardiovascular instability on dialysis. Ritz E, et al. **Contrib Nephrol** 1990;78:221–9 (21 ref.)
Cardiac status and differential indication for renal replacement methods. Wizemann V, et al. **Contrib Nephrol** 1991;89:254–9 (12 ref.)
Impact of high blood flows on vascular stability in haemodialysis. Ronco C, et al. **Nephrol Dial Transplant** 1990;5 Suppl 1:109–14 (15 ref.)
Dialysis arthropathy, amyloidosis and beta-2 microglobulin. Cameron JS. **Pediatr Nephrol** 1987 Apr;1(2):224–9 (75 ref.)
Management of the chronic renal failure patient receiving epoetin alfa for the treatment of anemia. Binkley LS. **Transplant Proc** 1991 Apr;23(2):1831–2 (6 ref.)
[Infections in dialysis patients] Boelaert JR, et al. **Ned Tijdschr Geneeskd** 1991 Jan 26;135(4):116–7 (18 ref.) **(Dut)**
[Osteoarticular amyloidosis in hemodialyzed patients. Report of 4 cases] Moalla M, et al. **J Radiol** 1990 Aug–Sep; 71(8–9):467–72 (24 ref.) (Eng. Abstr.) **(Fre)**
[Recombinant human erythropoietin in the therapy of anemia in hemodialyzed patients] Kakuk G, et al. **Orv Hetil** 1990 Oct 28;131(43):2365–6, 2369–71 (35 ref.) (Eng. Abstr.) **(Hun)**
[The influence of hemodialysis treatment on cardiocirculatory function. Causes of hypotensive crisis] Maggiore Q, et al. **G Ital Cardiol** 1990 May;20(5):463–70 (23 ref.) **(Ita)**
[Arrhythmia in uremic patients in hemodialysis treatment] Redaelli B, et al. **G Ital Cardiol** 1990 May;20(5):495–9 (48 ref.) **(Ita)**
[Arterial hypertension in dialysis] Zucchelli P, et al. **G Ital Cardiol** 1990 May;20(5):471–80 (100 ref.) **(Ita)**
[Bilateral renal cell carcinoma in a patient receiving long-term dialysis] Yokoyama O, et al. **Hinyokika Kiyo** 1991 Jun;37(6):617–20 (17 ref.) (Eng. Abstr.) **(Jpn)**
[Dialysis amyloidosis] Gejyo F, et al. **Nippon Rinsho** 1991 Apr;49(4):821–5 (21 ref.) **(Jpn)**
[The importance of erythropoietin in the therapy of anemia in patients on chronic hemodialysis] von Appen K, et al. **Urol Nefrol (Mosk)** 1990 Nov–Dec;(6):69–70 (6 ref.) **(Rus)**

INSTRUMENTATION

Membranes for blood purification: state of the art and new developments. Strathmann H, et al. **Contrib Nephrol** 1990; 78:119–40; discussion 140–1 (19 ref.)

METHODS

Chronic haemodialysis with bicarbonate dialysate. Technical and clinical aspects. Leunissen KM, et al. **Blood Purif** 1990; 8(6):347–58 (60 ref.)
Clinical implementation of sodium modeling. A reappraisal. Petitclerc T, et al. **Contrib Nephrol** 1989;74:200–6 (17 ref.)
Biocompatibility and capability of haemopurification systems: review and future development. Ota K. **Nephrol Dial Transplant** 1991;6 Suppl 2:86–90 (6 ref.)
Dialysis in pregnancy: a critical review. Elliott JP, et al. **Obstet Gynecol Surv** 1991 Jun;46(6):319–24 (31 ref.)
Renal dialysis. Stuart R, et al. **Practitioner** 1991 Feb; 235(1499):145–6, 148, 150–2 (2 ref.)
[Extrarenal elimination procedures in acute kidney failure] Sold M. **Anaesthesist** 1990 Nov;39(11):569–86 (166 ref.) (Eng. Abstr.) **(Ger)**
[Successful treatment of non-Hodgkin's lymphoma with consciousness disturbance due to hypercalcemia by the calcium-free hemodialysis and combined chemotherapy] Chou T, et al. **Rinsho Ketsueki** 1991 May;32(5):542–7 (12 ref.) (Eng. Abstr.) **(Jpn)**

STANDARDS

[Dialysis times and mortality--are the Swedish patients insufficiently dialysed?] Bergström J. **Lakartidningen** 1991 Aug 28;88(35):2735–7 (16 ref.) **(Swe)**

TRENDS

New trends of dialysis therapy. Funck-Brentano JL. **Contrib Nephrol** 1990;82:94–7 (8 ref.)
New trends in dialysis. Ringoir S, et al. **Contrib Nephrol** 1990; 82:102–6 (2 ref.)
New trends of dialysis therapy from the 1990s to the 21st century. Sugino N, et al. **Contrib Nephrol** 1990;82:107–11 (5 ref.)
Recent advances in the biocompatibility of haemodialysis membranes. Schulman G, et al. **Nephrol Dial Transplant** 1991;6 Suppl 2:10–3 (43 ref.)

HEMODIALYSIS SOLUTIONS

Chronic haemodialysis with bicarbonate dialysate. Technical and clinical aspects. Leunissen KM, et al. **Blood Purif** 1990; 8(6):347–58 (60 ref.)
Osmotic agents. An update. Hain H, et al. **Contrib Nephrol** 1991;89:119–27 (41 ref.)
Alternate use of amino acid and glucose solutions in CAPD. A review. Pedersen FB. **Contrib Nephrol** 1991;89:147–54 (24 ref.)

HEMODILUTION

[Normovolemic hemodilution in the treatment of sudden deafness] Heitzmann P, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(8):521–5 (26 ref.) (Eng. Abstr.) **(Fre)**
[Indications and results of autotransfusion. Normovolemic hemodilution in gynecology-obstetrics] Bouret JM, et al. **Rev Fr Gynecol Obstet** 1990 Jul–Sep;85(7–9):455–9 (13 ref.) (Eng. Abstr.) **(Fre)**
[The manipulation of the hematocrit--where are the limits? The view of the experimental surgeon] Brückner UB. **Anasthesiol Intensivmed Notfallmed Schmerzther** 1991 Jun; 26(4):216–9 (16 ref.) **(Ger)**
[The critical hematocrit from the clinical point of view] von Bormann B, et al. **Anasthesiol Intensivmed Notfallmed Schmerzther** 1991 Jun; 26(4):219–23 (24 ref.) **(Ger)**

METHODS

Safe limits of isovolemic hemodilution and recommendations for erythrocyte transfusion. Robertie PG, et al. **Int Anesthesiol Clin** 1990 Fall;28(4):197–204 (54 ref.)
[Hemodilution and peroperative autotransfusion during harvest for bone marrow graft] Ranchère JY, et al. **Ann Fr Anesth Reanim** 1990;9(6):480–4 (18 ref.) (Eng. Abstr.) **(Fre)**
[Normovolemic hemodilution] Côté DJ. **Can J Anaesth** 1991 Mar;38(2):243–51 (54 ref.) (Eng. Abstr.) **(Fre)**
[Hypertensive-hypervolemic therapy in cerebral vasospasm] Haberl RL, et al. **Nervenarzt** 1990 Dec;61(12):749–51 (15 ref.) **(Ger)**

HEMODYNAMICS

Hemodynamic and neurohumoral responses to acute hypovolemia in conscious mammals. Schadt JC, et al. **Am J Physiol** 1991 Feb;260(2 Pt 2):H305–18 (152 ref.)
Heterogeneity of capillary perfusion. Gaehtgens P. **Blood Vessels** 1991;28(1–3):197–200 (15 ref.)
Hemodynamic monitoring: a technology assessment. Technology Subcommittee of the Working Group on Critical Care, Ontario Ministry of Health. **Can Med Assoc J** 1991 Jul 15;145(2):114–21 (50 ref.)
Mechanical heart-lung interaction in the adult respiratory distress syndrome. Biondi JW, et al. **Clin Chest Med** 1990 Dec;11(4):691–714 (227 ref.)
Exercise training programs and cardiorespiratory adaptation. Cox MH. **Clin Sports Med** 1991 Jan;10(1):19–32 (22 ref.)
Haemodynamic monitoring. Problems, pitfalls and practical solutions. Bossaert LL, et al. **Drugs** 1991 Jun;41(6):857–74 (66 ref.)
Hemodynamic determinants of vascular changes in hypertension and atherosclerosis. Heistad DD, et al. **Hypertension** 1991 Apr;17(4 Suppl):III7–11 (30 ref.)
Hemodynamic aspects of multiple organ failure. Grootendorst AF. **Intensive Care Med** 1990;16 Suppl 2:S165–7 (15 ref.)
A model for the interplay of inflammatory mediators in sepsis--a study in 48 patients. Hack CE, et al. **Intensive Care Med** 1990;16 Suppl 3:S187–91 (39 ref.)
The haemodynamics of septic shock. Thijs LG, et al. **Intensive Care Med** 1990;16 Suppl 3:S182–6 (48 ref.)
Signals for the remodeling of the cardiac interstitium in systemic hypertension. Weber KT, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S14–9 (46 ref.)
The hemodynamics of cardiopulmonary bypass. Taylor KM. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):300–12 (100 ref.)
[Anesthesia in unilateral pulmonary transplantation] Moutafis M, et al. **Ann Fr Anesth Reanim** 1991;10(3):235–41 (18 ref.) (Eng. Abstr.) **(Fre)**
[The treatment of acute severe cardiac insufficiency] Urban P. **Schweiz Med Wochenschr** 1990 Dec 8;120(49):1838–44 (29 ref.) (Eng. Abstr.) **(Fre)**
[The influence of hemodialysis treatment on cardiocirculatory function. Causes of hypotensive crisis] Maggiore Q, et al. **G Ital Cardiol** 1990 May;20(5):463–70 (23 ref.) **(Ita)**
[Isolated systolic hypertension--characteristics of hemodynamic findings] Akizuki S, et al. **Kokyu To Junkan** 1991 Jun;39(6):523–32 (93 ref.) **(Jpn)**
[Cardiovascular function in patients with sepsis] Gun C, et al. **Arq Bras Cardiol** 1990 Dec;55(6):389–93 (67 ref.) **(Por)**
[Characteristics of cardiorespiratory function in the sudden infant death syndrome] Javorka K, et al. **Cesk Pediatr** 1991 May;46(5):281–4 (40 ref.) **(Slo)**

DRUG EFFECTS

Inotropic and vasoactive drugs for management of the critically ill. McGrath RB. **Acute Care** 1988–89; 14–15:293–312 (192 ref.)
Interaction of alcohol and stress at the cardiovascular level. Pohorecky LA. **Alcohol** 1990 Nov–Dec;7(6):537–46 (121 ref.)
Vasodilatory beta-blockers: systemic and regional hemodynamic effects. Frohlich ED. **Am Heart J** 1991 Mar; 121(3 (Pt 2)):1012–6; discussion 1016–7 (48 ref.)
Angiotensin converting enzyme inhibitors, regional vascular hemodynamics, and the development and prevention of experimental genetic hypertension. Harrap SB. **Am J Hypertens** 1991 Mar;4(3 Pt 2):212S–216S (14 ref.)
Quinapril in chronic heart failure. Northridge DB, et al. **Am J Hypertens** 1990 Nov;3(11):283S–287S (35 ref.)
Beta-adrenoceptor partial agonists: a renaissance in cardiovascular therapy? Waller DG. **Br J Clin Pharmacol** 1990 Aug;30(2):157–71 (105 ref.)
Hemodynamic and neurohumoral effects of ibopamine in patients with chronic congestive heart failure. López-Sendón J. **Cardiology** 1990;77 Suppl 5:9–21 (54 ref.)
Pharmacological profile of ibopamine. A summary of experiments on anaesthesized dogs. Marchetti GV. **Cardiology** 1990;77 Suppl 5:22–9 (34 ref.)
Hemodynamic profile of amiodarone during acute and long-term administration in patients with ventricular dysfunction. Remme WJ, et al. **Cardioscience** 1990 Sep; 1(3):169–76 (19 ref.)
Comparative hemodynamics of antiarrhythmic drugs. Sami M. **Cardiovasc Drugs Ther** 1990 Jun;4 Suppl 3:545–8 (33 ref.)
The role of adrenergic drugs in antihypertensive therapy. Itskovitz HD. **Cleve Clin J Med** 1991 Jan–Feb;58(1):79–93 (26 ref.)
Cardiovascular complications of cocaine. Isner JM, et al. **Curr Probl Cardiol** 1991 Feb;16(2):89–123 (80 ref.)
Haemodynamic effects of the multiple action antihypertensive drug urapidil. Mancia G. **Drugs** 1990;40 Suppl 4:14–20; discussion 28–30 (12 ref.)
Beta-blockers and portal hypertension, hemodynamic effects and prevention of recurrent gastrointestinal bleeding. Lebrec D. **Hepatogastroenterology** 1990 Dec;37(6):556–60 (52 ref.)
Therapeutic approaches affecting diastolic ventricular function. Warren SE, et al. **Herz** 1991 Feb;16(1):33–45 (93 ref.)
Cardiovascular effects of serotonin agonists and antagonists. Saxena PR, et al. **J Cardiovasc Pharmacol** 1990;15 Suppl 7:S17–34 (203 ref.)
Tailored therapy before transplantation for treatment of advanced heart failure: effective use of vasodilators and diuretics. Stevenson LW. **J Heart Lung Transplant** 1991

May-Jun;10(3):468-76 (21 ref.)
Diuretics and blood pressure reduction: physiologic aspects. Birkenhäger WH. **J Hypertens Suppl** 1990 Jun;8(2):S3-7 (35 ref.)
Cardiovascular considerations in selection of anti-panic pharmacotherapy. Taylor CB, et al. **J Psychiatr Res** 1990; 24 Suppl 2:43-9 (24 ref.)
Cardiovascular and biological effects of K+ channel openers, a class of drugs with vasorelaxant and cardioprotective properties. Richer C, et al. **Life Sci** 1990;47(19):1693-705 (60 ref.)
Pharmacological and clinical aspects of drug therapy in coronary heart disease: clinical aspects of therapy with beta-adrenoceptor antagonists. Prichard BN. **Z Kardiol** 1990;79 Suppl 3:99-103 (48 ref.)
Experimental and clinical pharmacology of carvedilol and other drugs combining vasodilation and beta-adrenoceptor antagonism in a single molecule. Strein K, et al. **Z Kardiol** 1990;79 Suppl 3:89-98 (15 ref.)
[Possibilities of ACE inhibitor therapy in acute myocardial ischemia] Ertl G, et al. **Klin Wochenschr** 1991;69 Suppl 24:10-7; discussion 18-9 (46 ref.) (Eng. Abstr.) **(Ger)**
[ACE inhibition: mechanisms of cardioprotection in chronic experimental heart failure] Riegger AJ. **Klin Wochenschr** 1991;69 Suppl 24:20-3 (7 ref.) (Eng. Abstr.) **(Ger)**
[Treatment of heart failure: what--when--how?] Blömer H. **Verh Dtsch Ges Inn Med** 1990;96:157-67 (62 ref.) **(Ger)**
[Pharmacology of heart failure-relevant substance groups] Scholz H. **Verh Dtsch Ges Inn Med** 1990;96:150-6 (36 ref.) **(Ger)**
[Relations between pharmacokinetics and effectiveness of ACE inhibitors] Rettig R, et al. **Z Kardiol** 1991;80 Suppl 2:16-20 (25 ref.) (Eng. Abstr.) **(Ger)**
[Principles of the treatment of myocardial failure] Korewicki J, et al. **Kardiol Pol** 1990 Feb;33(2):126-35 (32 ref.) **(Pol)**

PHYSIOLOGY

Hemodynamic changes in pregnancy and pregnancy complicated by hypertension. Dildy GA, et al. **Acute Care** 1988-89;14-15:26-46 (152 ref.)
How does the arterial endothelium sense flow? Hemodynamic forces and signal transduction. Davies PF, et al. **Adv Exp Med Biol** 1990;273:281-93 (47 ref.)
Nutritional and hemodynamic factors influencing adenopituitary function in man. Vigaś M, et al. **Adv Exp Med Biol** 1990;274:407-26 (34 ref.)
Clinical implications of pathophysiologic changes in the midlife hypertensive patient. Julius S. **Am Heart J** 1991 Sep;122(3 (Pt 2)):886-91 (43 ref.)
The effect of flow and mass transport in thrombogenesis. Basmadjian D. **Ann Biomed Eng** 1990;18(6):685-709 (36 ref.)
Hemodynamic determinants of exercise capacity in chronic heart failure. Myers J, et al. **Ann Intern Med** 1991 Sep 1;115(5):377-86 (115 ref.)
The remodelling of skeletal muscle for indefatigable hemodynamic work. Odim JN, et al. **Can J Physiol Pharmacol** 1991 Feb;69(2):230-7 (29 ref.)
Cardiovascular dysfunction in septic shock. Snell RJ, et al. **Chest** 1991 Apr;99(4):1000-9 (50 ref.)
Stress echocardiography: ready for routine clinical use? Iliceto S, et al. **Eur Heart J** 1991 Feb;12(2):262-5 (22 ref.)
Hemodynamically induced heart lesions in the dog after the administration of cardio-active substances. Schneider P. **Exp Pathol** 1990;40(3):155-68 (29 ref.)
Non-invasive and simultaneous cardiovascular measurements using plethysmography techniques. Yamakoshi K. **Front Med Biol Eng** 1990;2(4):249-76 (51 ref.)
Renal mechanisms in heart failure. Birkenhäger WH, et al. **Herz** 1991 Apr;16(2):61-7 (53 ref.) **(Eng, Ger)**
Hemodynamics and exercise capacity during pacemaker stimulation. Nordlander R, et al. **Herz** 1991 Jun; 16(3):149-57 (37 ref.)
Atrial natriuretic factor in chronic heart failure. Northridge DB, et al. **Herz** 1991 Apr;16(2):92-101 (93 ref.)
Recovery from anesthesia. Hemodynamic consequences of emergence. Shander A, et al. **Int Anesthesiol Clin** 1991 Spring;29(2):13-23 (30 ref.)
Control of blood pressure and the distribution of blood flow. Versmold HT. **Int J Technol Assess Health Care** 1991;7 Suppl 1:79-84 (38 ref.)
Pre- and postsynaptic adrenergic dysfunctions in hypertension. de Champlain J. **J Hypertens Suppl** 1990 Dec; 8(7):S77-85 (75 ref.)
Changing role of the autonomic nervous system in human hypertension. Julius S. **J Hypertens Suppl** 1990 Dec; 8(7):S59-65 (59 ref.)
Hemodynamic forces and the biology of the endothelium: signal transduction pathways in endothelial cells subjected to physical forces in vitro. Sumpio BE. **J Vasc Surg** 1991 May;13(5):744-6 (11 ref.)
Cardiovascular effects of airways obstruction. Scharf SM. **Lung** 1991;169(1):1-23 (98 ref.)
The circulation in pregnancy. Van Den Berg AA. **Middle East J Anesthesiol** 1990 Oct;10(6):607-20 (58 ref.)
Hemodynamics and therapy in ARDS. Zapol WM. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):471-3 (14 ref.)
Cerebrovascular regulation and neonatal brain injury. Del Toro J, et al. **Pediatr Neurol** 1991 Jan-Feb;7(1):3-12 (104 ref.)
The hemodynamics of cardiac pacing: clinical and physiological aspects. Baig MW, et al. **Prog Cardiovasc Dis** 1991 Mar-Apr;33(5):283-98 (197 ref.)
Assessment of the hemodynamic significance of coronary artery stenosis: theoretical considerations and clinical measurements. Katritsis D, et al. **Prog Cardiovasc Dis** 1991 Jul-Aug;34(1):69-88 (124 ref.)
Physiology of the orthotopic cardiac transplant recipient. Banner NR, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul; 2(3):259-70 (109 ref.)
Hemodynamic influences on vascular endothelial biology. Nerem RM, et al. **Toxicol Pathol** 1990;18(4 Pt 1):572-82 (65 ref.)
[Serotonin and cardiovascular control] Aurup P, et al. **Ugeskr Laeger** 1990 Sep 24;152(39):2840-3 (30 ref.) (Eng. Abstr.) **(Dan)**
[The clinical assessment of tissue oxygenation. The significance of hemodynamic and oxygen transport-related parameters] Reinhart K, et al. **Anaesthesiol Reanim** 1991; 16(3):184-201 (52 ref.) (Eng. Abstr.) **(Ger)**
[Role of prostaglandins in regulation of kidney function in heart failure] Riegger AJ. **Herz** 1991 Apr;16(2):116-23 (26 ref.) (Eng. Abstr.) **(Ger)**
[Anti-bradycardia pacemaker therapy: rational choice of system in relation to hemodynamic and prognostic aspects] Stangl K. **Herz** 1991 Jun;16(3):138-48 (73 ref.) (Eng. Abstr.) **(Ger)**
[Effects and adverse effects of mechanical ventilation on pulmonary, cardiac and circulatory functions] Peters J. **Klin Anasthesiol Intensivther** 1991;39:343-63 (53 ref.) **(Ger)**
[Changes in renal function in heart failure and their modification by conversion enzyme inhibitors] Heidland A, et al. **Klin Wochenschr** 1991;69 Suppl 24:65-72; discussion 72-4 (68 ref.) (Eng. Abstr.) **(Ger)**
[Progress in clinical cardiology. Echocardiography] Hofmann T, et al. **Med Monatsschr Pharm** 1991 Jan; 14(1):5-18 (0 ref.) **(Ger)**
[Diagnostic importance of the jugular veins] Baumgartner I, et al. **Vasa** 1991;20(1):3-9 (44 ref.) (Eng. Abstr.) **(Ger)**
[Hemodynamic consequences of portal decompression: which is the optimal shunt?] Rössle M, et al. **Z Gastroenterol** 1990 Nov;28(11):630-4 (59 ref.) (Eng. Abstr.) **(Ger)**
[Echocardiography quantification of mitral valve defects] Seifart C. **Z Gesamte Inn Med** 1990 Sep 1;45(17):499-503 (24 ref.) (Eng. Abstr.) **(Ger)**
[Intraoperative diagnosis of the heart and great vessels--echocardiography] Erbel R, et al. **Z Kardiol** 1990; 79 Suppl 4:127-40 (81 ref.) (Eng. Abstr.) **(Ger)**
[Intraoperative diagnosis--measuring heart time volume and assessment of shunts] Hagl S, et al. **Z Kardiol** 1990;79 Suppl 4:107-17 (39 ref.) (Eng. Abstr.) **(Ger)**
[Intraoperative diagnosis of the heart and great vessels--measuring blood flow and angiocardiography] Meisner H. **Z Kardiol** 1990;79 Suppl 4:121-6 (11 ref.) (Eng. Abstr.) **(Ger)**
[Hemodynamic factors and tissue reactivity in atherogenesis in humans] Glagov S, et al. **G Ital Cardiol** 1990 Nov; 20(11):1070-4 (18 ref.) **(Ita)**
[Application of pharmacological tests and hemodynamic exercise tests in the diagnosis of heart defects--based on personal preliminary experience] Korewicki J, et al. **Kardiol Pol** 1990;33(5):346-55 (28 ref.) **(Pol)**
[Involvement of blood vessels and hemodynamics in children with rheumatoid arthritis and systemic lupus erythematosus] Kvachadze IM, et al. **Pediatriia** 1991; (5):104-7 (76 ref.) **(Rus)**
[Determination of the status of central hemodynamics using the method of tetrapolar thoracic rheography] Vizel' AA. **Probl Tuberk** 1990;(8):66-8 (41 ref.) **(Rus)**

HEMOFILTRATION

Strategies for hepatic support in acute liver failure: role of extracorporeal devices versus liver transplantation. De Groot GH, et al. **J Gastroenterol Hepatol** 1989 May-Jun; 4(3):283-93 (86 ref.)
Continuous arteriovenous hemofiltration in children. Lieberman KV. **Pediatr Nephrol** 1987 Jul;1(3):330-8 (17 ref.)
[Blood-purifying procedures in intensive medicine] Koller W, et al. **Klin Anasthesiol Intensivther** 1991;39:404-19; discussion 420-4 (23 ref.) **(Ger)**
[The effect of hemofiltration on the amino acid content of the blood plasma in acute kidney failure] Timokhov VS, et al. **Ter Arkh** 1991;63(4):156-8 (40 ref.) **(Rus)**
[Uremic middle-molecule toxins and their removal in hemofiltration] Kazakov IV, et al. **Urol Nefrol (Mosk)** 1991 Jan-Feb;(1):67-73 (119 ref.) **(Rus)**

ADVERSE EFFECTS

Pathophysiologic aspects of plasma volume preservation during dialysis and ultrafiltration. Leunissen KM, et al. **Contrib Nephrol** 1990;78:201-11 (39 ref.)
Cardiovascular problems in end-stage renal failure: haemofiltration. Quellhorst E. **Contrib Nephrol** 1990; 78:212-20 (1 ref.)

INSTRUMENTATION

Membranes for blood purification: state of the art and new developments. Strathmann H, et al. **Contrib Nephrol** 1990; 78:119-40; discussion 140-1 (19 ref.)

METHODS

[Extrarenal elimination procedures in acute kidney failure] Sold M. **Anaesthesist** 1990 Nov;39(11):569-86 (166 ref.) (Eng. Abstr.) **(Ger)**

HEMOFILTRATION, CONTINUOUS ARTERIOVENOUS see **HEMOFILTRATION**

HEMOGLOBIN A

GENETICS

Analysis of human gamma-to-beta switching in transgenic mice. Stamatoyannopoulos G, et al. **Ann N Y Acad Sci** 1990;612:127-33 (19 ref.)

PHYSIOLOGY

The Bessis reticular cell, the hemoglobin 'switch' and the role of fetal hemoglobin: a hypothesis. Bogair N. **Med Hypotheses** 1991 Feb;34(2):105-10 (45 ref.)

HEMOGLOBIN A, GLYCOSYLATED

ANALYSIS

Correlation between glycemia and glycated hemoglobin. Service FJ. **Compr Ther** 1990 Jul;16(7):33-40 (24 ref.)
The quality needed for measuring glycated haemoglobin. An application. Hyltoft Petersen P, et al. **Ups J Med Sci** 1990; 95(3):185-90 (11 ref.)

METABOLISM

Glycated proteins and gestational diabetes mellitus. Hod M, et al. **Isr J Med Sci** 1990 Nov;26(11):638-44 (74 ref.)
[Control of diabetes mellitus] Daweke H. **Verh Dtsch Ges Inn Med** 1990;96:175-82 (19 ref.) **(Ger)**

HEMOGLOBIN A(1) see **HEMOGLOBIN A, GLYCOSYLATED**

HEMOGLOBIN, ERYTHROCYTE, MEAN CELL see **ERYTHROCYTE INDICES**

HEMOGLOBIN F see **FETAL HEMOGLOBIN**

HEMOGLOBIN F DISEASE see **THALASSEMIA**

HEMOGLOBIN H DISEASE see **THALASSEMIA**

HEMOGLOBIN S see **HEMOGLOBIN, SICKLE**

HEMOGLOBIN SC DISEASE

The distinct pathobiology of sickle cell-hemoglobin C disease. Therapeutic implications. Nagel RL, et al. **Hematol Oncol Clin North Am** 1991 Jun;5(3):433-51 (40 ref.)

HEMOGLOBIN, SICKLE

GENETICS

Sickle cell trait revisited. Harkness DR. **Am J Med** 1989 Sep;87(3N):30N-34N (50 ref.)
Beta S-gene-cluster haplotypes in sickle cell anemia: clinical implications. Powars DR, et al. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):367-74 (37 ref.)
In vivo somatic mutations in humans: measurement and analysis. Albertini RJ, et al. **Annu Rev Genet** 1990;24:305-26 (101 ref.)

PHYSIOLOGY

Covalent inhibitors of the gelation of sickle cell hemoglobin and their effects on function. Manning JM. **Adv Enzymol Relat Areas Mol Biol** 1991;64:55-91 (155 ref.)

HEMOGLOBIN SUBSTITUTES see **BLOOD SUBSTITUTES**

HEMOGLOBINOMETRY

STANDARDS

Calibration and control in haemoglobinometry. van Assendelft OW, et al. **Clin Lab Haematol** 1990;12 Suppl 1:31-42 (37 ref.)

HEMOGLOBINOPATHIES

BLOOD

Pharmacologic manipulation of fetal hemoglobin in the hemoglobinopathies. Nathan DG. **Ann N Y Acad Sci** 1990; 612:179-83 (15 ref.)
Innate resistance to malaria: the intraerythrocytic cycle. Nagel RL. **Blood Cells** 1990;16(2-3):321-39; discussion 340-9 (90 ref.)

Red cell volume-related ion transport systems in hemoglobinopathies. Canessa M. **Hematol Oncol Clin North Am** 1991 Jun;5(3):495-516 (93 ref.)

COMPLICATIONS

The interactions of alpha-thalassemia with hemoglobinopathies. Steinberg MH. **Hematol Oncol Clin North Am** 1991 Jun;5(3):453-73 (148 ref.)

Ophthalmologic complications in hemoglobinopathies. To KW, et al. **Hematol Oncol Clin North Am** 1991 Jun; 5(3):535-48 (68 ref.)

DIAGNOSIS

Antenatal diagnosis. Summary of results. Alter BP. **Ann N Y Acad Sci** 1990;612:237-50 (17 ref.)

Prenatal diagnosis of inherited hemoglobinopathies. Cao A, et al. **Haematologica** 1990 Sep-Oct;75 Suppl 5:169-77 (18 ref.)

Newborn screening for hemoglobinopathies. Rowley PT. **Semin Perinatol** 1990 Dec;14(6):483-7 (48 ref.)

GENETICS

Delta beta thalassemia and hereditary persistence of fetal hemoglobin. Bollekens JA, et al. **Hematol Oncol Clin North Am** 1991 Jun;5(3):399-422 (156 ref.)

Genetic epidemiology of structural mutations of the beta-globin gene. Nagel RL, et al. **Semin Hematol** 1990 Oct;27(4):342-59 (89 ref.)

HEMOGLOBINS

Liposome-encapsulated hemoglobin: an oxygen-carrying fluid. Rabinovici R, et al. **Circ Shock** 1990 Sep;32(1):1-17 (68 ref.)

ANALYSIS

Iron and heme contents of the extracellular hemoglobins and chlorocruorins of annelids. Vinogradov SN, et al. **Comp Biochem Physiol [B]** 1991;98(2-3):187-94 (83 ref.)

GENETICS

1990 Mack Forster Prize lecture. The molecular genetics of the alpha globin gene family. Higgs DR. **Eur J Clin Invest** 1990 Aug;20(4):340-7 (45 ref.)

METABOLISM

Human health risk assessment and biological reactive intermediates: hemoglobin binding. Ehrenberg L, et al. **Adv Exp Med Biol** 1991;283:641-7 (40 ref.)

Fate of alpha-hemoglobin chains and erythrocyte defects in beta-thalassemia. Rouyer-Fessard P, et al. **Ann N Y Acad Sci** 1990;612:106-17 (52 ref.)

Biomonitoring of human exposure to alkylating agents by measurement of adducts to haemoglobin or DNA. Farmer PB, et al. **IARC Sci Publ** 1991;(105):71-7 (26 ref.)

Chemicals reacting with various forms of hemoglobin: biological significance, mechanisms, and determination. Smith RP. **J Forensic Sci** 1991 May;36(3):662-72 (29 ref.)

Could manipulation of the binding affinity of haemoglobin for oxygen be used clinically to sensitize tumours to radiation? Hirst DG, et al. **Radiother Oncol** 1991;20 Suppl 1:53-7 (21 ref.)

[Hierarchies in the structure and function of oxygen-binding proteins] Decker H, et al. **Naturwissenschaften** 1990 Dec; 77(12):561-8 (33 ref.) (Eng. Abstr.) **(Ger)**

[Allosteric regulators of reversible oxygenation of hemoglobin] Chuvilin AN, et al. **Bioorg Khim** 1990 Sep; 16(9):1157-76 (174 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

A review of hemoglobin and the pathogenesis of cerebral vasospasm. Macdonald RL, et al. **Stroke** 1991 Aug; 22(8):971-82 (201 ref.)

HEMOGLOBINS, ABNORMAL

CHEMISTRY

Unstable hemoglobins. Ohba Y. **Hemoglobin** 1990; 14(4):353-88 (203 ref.)

GENETICS

Frequency of abnormal human haemoglobins caused by C----T transitions in CpG dinucleotides. Perutz MF. **Boll Soc Ital Biol Sper** 1990 Sep;66(9):809-19 (17 ref.)

International Hemoglobin Information Center variants list. **Hemoglobin** 1990;14(3):249-325 (693 ref.)

PHYSIOLOGY

Increased susceptibility of malaria-infected variant erythrocytes to the mononuclear phagocyte system [see comments] Yuthavong Y, et al. **Blood Cells** 1990; 16(2-3):591-7 (48 ref.) Comment in: Blood Cells 1990;16(2-3):598-601. Comment in: Blood Cells 1990;16(2-3):602-4.

HEMOGLOBINURIA, PAROXYSMAL

BLOOD

Erythrocyte membrane protein deficiencies in paroxysmal nocturnal hemoglobinuria. Schultz DR. **Am J Med** 1989 Sep;87(3N):22N-29N (94 ref.)

Dr Ham's test revisited [editorial] Rosse WF. **Blood** 1991 Aug 1;78(3):547-50 (53 ref.)

COMPLICATIONS

[Acute renal failure in a case of paroxysmal nocturnal hemoglobinuria--a review of literature in Japan] Kondo H, et al. **Nippon Jinzo Gakkai Shi** 1990 Jul;32(7):835-40 (13 ref.) (Eng. Abstr.) **(Jpn)**

ETIOLOGY

[Current theories on the pathogenesis and treatment of nocturnal paroxysmal hemoglobinuria (NPH)] Robak T. **Przegl Lek** 1990;47(11):763-6 (0 ref.) **(Pol)**

IMMUNOLOGY

[Donath-Landsteiner antibody of the IgM class with anti-I specificity and possible efficacy of azathioprine therapy in paroxysmal cold hemoglobinuria: a case report] Nakamura H, et al. **Rinsho Ketsueki** 1990 Sep;31(9):1548-52 (14 ref.) (Eng. Abstr.) **(Jpn)**

HEMOLYSINS

Pore-forming cytolysins of gram-negative bacteria. Welch RA. **Mol Microbiol** 1991 Mar;5(3):521-8 (92 ref.)

GENETICS

Studies on aerolysin and a serine protease from Aeromonas trota sp. nov. Husslein V, et al. **Experientia** 1991 May 15; 47(5):420-1 (11 ref.)

Application of the polymerase chain reaction (PCR) to detection of the aerolysin gene in whole cell cultures of beta-hemolytic Aeromonas hydrophila. Lior H, et al. **Experientia** 1991 May 15;47(5):421-4 (13 ref.)

IMMUNOLOGY

[In vitro and in vivo efficacy of a toxin-neutralizing human staphylococcal immunoglobulin] Hungerer KD, et al. **Behring Inst Mitt** 1990 Oct;(86):170-84 (32 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Structure and function of haemolysin B,P-glycoprotein and other members of a novel family of membrane translocators. Blight MA, et al. **Mol Microbiol** 1990 Jun; 4(6):873-80 (54 ref.)

PHARMACOLOGY

[Interaction of staphylococcal alpha-toxin with biomembranes] Bukharova TB, et al. **Mol Gen Mikrobiol Virusol** 1990 Aug;(8):3-4 (30 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Bacterial haemolysin and mammalian P-glycoprotein. Holland IB, et al. **Biochem Soc Trans** 1991 Apr;19(2):252-5 (22 ref.)

SECRETION

Secretion and mechanism of action of the hole-forming toxin aerolysin. Buckley JT. **Experientia** 1991 May 15;47(5):418-9 (19 ref.)

HEMOLYSIS

see related
ANEMIA, HEMOLYTIC

Dr Ham's test revisited [editorial] Rosse WF. **Blood** 1991 Aug 1;78(3):547-50 (53 ref.)

Hemolytic reactions to nitrofurantoin in patients with glucose-6-phosphate dehydrogenase deficiency: theory and practice. Gait JE. **DICP** 1990 Dec;24(12):1210-3 (10 ref.)

Unstable hemoglobins. Ohba Y. **Hemoglobin** 1990; 14(4):353-88 (203 ref.)

[The pregnancy at risk and the HELLP syndrome] Georgiev D, et al. **Akush Ginekol (Sofiia)** 1991;30(2):53-8 (62 ref.) **(Bul)**

[The HELLP syndrome--one hypothesis] Katsulov A. **Akush Ginekol (Sofiia)** 1991;30(2):1-6 (24 ref.) (Eng. Abstr.) **(Bul)**

HEMOLYTIC DISEASE OF NEWBORN see **ERYTHROBLASTOSIS, FETAL**

HEMOLYTIC PLAQUE TECHNIQUE

Cytokine release by single, immunophenotyped human cells: use of the reverse hemolytic plaque assay. Lewis CE, et al. **Immunol Rev** 1991 Feb;119:23-39 (50 ref.)

HEMOLYTIC-UREMIC SYNDROME

Thrombotic thrombocytopenic purpura and hemolytic uremic syndrome in pregnancy. Miller JM Jr, et al. **Clin Obstet Gynecol** 1991 Mar;34(1):64-71 (71 ref.)

COMPLICATIONS

Type III hyperlipoproteinemia in a child with hemolytic uremic syndrome. Feussner G, et al. **Metabolism** 1990 Nov; 39(11):1196-9 (37 ref.)

ETIOLOGY

[Nephrological complications after bone marrow transplantation] Ratajczak MZ, et al. **Pol Tyg Lek** 1990 Oct 1-8;45(40-41):836-40 (34 ref.) **(Pol)**

MICROBIOLOGY

Verotoxic Escherichia coli in human disease. Rosensweig JN, et al. **J Pediatr Gastroenterol Nutr** 1991 Apr;12(3):295-304 (80 ref.)

THERAPY

Hemolytic-uremic syndrome in children. A serious hazard of undercooked beef. Robson WL, et al. **Postgrad Med** 1990 Oct;88(5):135-6, 139-42 (19 ref.)

HEMOPERFUSION

Strategies for hepatic support in acute liver failure: role of extracorporeal devices versus liver transplantation. De Groot GH, et al. **J Gastroenterol Hepatol** 1989 May-Jun; 4(3):283-93 (86 ref.)

[Use of hemosorption in the complex treatment of patients with endarteritis obliterans] Genyk SN, et al. **Khirurgiia (Mosk)** 1990 Dec;(12):159-63 (50 ref.) **(Rus)**

METHODS

[Extracorporeal use of porcine spleen in the treatment of patients] Genyk SN, et al. **Vestn Khir** 1991 Feb;146(2):151-3 (19 ref.) **(Rus)**

HEMOPERICARDIUM see **PERICARDIAL EFFUSION**

HEMOPERITONEUM

DIAGNOSIS

[Prevention and diagnosis of postoperative hemorrhage] Friedberg V. **Gynakologe** 1991 Jun;24(3):136-41 (18 ref.) **(Ger)**

EPIDEMIOLOGY

A case of spontaneous mesenteric hematoma and a review of 17 cases in Japan. Aoki T, et al. **Gastroenterol Jpn** 1990 Dec;25(6):768-73 (27 ref.)

ETIOLOGY

[Therapeutic problems caused by rupture of large hepatic adenoma with central location. Apropos of 3 cases] Leborgne J, et al. **Chirurgie** 1990;116(4-5):454-60 (32 ref.) (Eng. Abstr.) **(Fre)**

[Emergency diagnosis: hemoperitoneum caused by spontaneous rupture of hepatocarcinoma in a patient with liver cirrhosis] Ciuba T. **J Chir (Paris)** 1990 Nov; 127(11):539-41 (7 ref.) (Eng. Abstr.) **(Fre)**

[Spontaneous rupture of the liver with hemoperitoneum during pregnancy. Apropos of a case, review of the literature] Neirynck C, et al. **J Chir (Paris)** 1991 May; 128(5):231-4 (28 ref.) (Eng. Abstr.) **(Fre)**

HEMOPHAGOCYTIC SYNDROME, INFECTION-ASSOCIATED see **HISTIOCYTOSIS, NON-LANGERHANS-CELL**

HEMOPHILIA

see related
HEMARTHROSIS

Hemophilia. Lusher JM, et al. **Pediatr Rev** 1991 Mar; 12(9):275-81 (0 ref.)

[Hemophilia] Matýšková M, et al. **Vnitr Lek** 1991 Apr; 37(4):397-403 (27 ref.) (Eng. Abstr.) **(Cze)**

COMPLICATIONS

HIV infection in hemophiliac children: clinical manifestations and therapy. Gomperts ED. **Am J Pediatr Hematol Oncol** 1990 Winter;12(4):497-504 (41 ref.)

Haemophilic arthritis. Madhok R, et al. **Ann Rheum Dis** 1991 Aug;50(8):588-91 (42 ref.)

AIDS and hemophilia. de Biasi R, et al. **Antibiot Chemother** 1991;43:156-72 (78 ref.)

Acute carpal tunnel syndrome in haemophiliacs. Molitor PJ, et al. **Br J Clin Pract** 1990 Dec;44(12):675-6 (11 ref.)

AIDS and hemophilia. Koerper MA. **Immunol Ser** 1989; 44:79-95 (83 ref.)

Transfusion and coagulation factor-acquired human immunodeficiency virus infection. Eyster ME. **Pediatr Infect Dis J** 1991 Jan;10(1):50-6 (63 ref.)

[The differential diagnosis of hemarthrosis--septic arthritis in patients with hemophilia] Lenk H, et al. **Kinderarztl Prax** 1990 Jul;58(7):363-5 (9 ref.) (Eng. Abstr.) **(Ger)**

[The danger of viral hepatitis involvement in hemophilia patients] Epifanov NS. **Ter Arkh** 1990;62(11):135-7 (40 ref.) **(Rus)**

DIAGNOSIS

Progress in the DNA diagnosis of hemophilias. Goossens M, et al. **Ann Hematol** 1991 Apr;62(4):115-8 (27 ref.)

DRUG THERAPY

Factor VIIa in the treatment of haemophilia. Hedner U. **Blood Coagul Fibrinolysis** 1990 Aug;1(3):307-17 (95 ref.)

ETIOLOGY

Acquired haemophilia A [editorial] Nayak J. **J Assoc Physicians India** 1990 Dec;38(12):891-3 (37 ref.)

GENETICS

The molecular basis of hemophilia A. Gitschier J. **Ann N Y Acad Sci** 1991;614:89-96 (48 ref.)

Molecular biology of the hemophilias. Thompson AR. **Prog Hemost Thromb** 1991;10:175-214 (201 ref.)

Recombinant DNA methods in hemophilia A: carrier detection and prenatal diagnosis. Sadler JE. **Semin Thromb Hemost** 1990 Oct;16(4):341-7 (50 ref.)

IMMUNOLOGY

Complications of hemophilia A treatment: factor VIII inhibitors. Kasper CK. **Ann N Y Acad Sci** 1991;614:97-105 (47 ref.)

THERAPY

Hemophilia treatment in historical perspective: a review of medical and social developments. Rosendaal FR, et al. **Ann Hematol** 1991 Feb;62(1):5-15 (152 ref.)

AIDS in the transfusion recipient. Hilgartner M. **Pediatr Clin North Am** 1991 Feb;38(1):121-31 (30 ref.)

The development of the technology and capacity for the production of factor VIII for the treatment of hemophilia A [see comments] Aronson DL. **Transfusion** 1990 Oct; 30(8):748-58 (65 ref.) Comment in: Transfusion 1991 Jul-Aug;31(6):573-4.

HEMOPHILIA B see **CHRISTMAS DISEASE**

HEMOPHILIA C see **FACTOR XI DEFICIENCY**

HEMOPHILIA, VASCULAR see **VON WILLEBRAND'S DISEASE**

HEMOPHILUS INFECTIONS see **HAEMOPHILUS INFECTIONS**

HEMOPTYSIS

ETIOLOGY

Pulmonary hemorrhage and necrotizing glomerulonephritis without glomerular immune deposits: report of two cases. Jones CL, et al. **Am J Kidney Dis** 1991 Aug;18(2):257-63 (40 ref.)

Swan-Ganz catheter-induced massive hemoptysis and pulmonary artery false aneurysm. Feng WC, et al. **Ann Thorac Surg** 1990 Oct;50(4):644-6 (9 ref.)

Catamenial hemoptysis: a case report and review of the literature. Guidry GG, et al. **J La State Med Soc** 1990 Nov;142(11):27-30 (16 ref.)

THERAPY

Bronchial artery embolization therapy. Roberts AC. **J Thorac Imaging** 1990 Oct;5(4):60-72 (75 ref.)

HEMORRHAGE

ABC of antenatal care. Antepartum haemorrhage. Chamberlain G. **BMJ** 1991 Jun 22;302(6791):1526-30 (0 ref.)

BLOOD

[Various mechanisms of disorders of the regulation of hemostasis in acute hemorrhage] Gorbunova NA. **Gematol Transfuziol** 1991 Feb;36(2):3-7 (100 ref.) (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Accidental heparinization in the newborn: a case report and brief review of the literature. Moncino MD, et al. **J Perinatol** 1990 Dec;10(4):399-402 (18 ref.)

COMPLICATIONS

Alveolar hemorrhage associated with crescentic glomerulonephritis--a case report. Hong SK, et al. **Korean J Intern Med** 1989 Jan;4(1):90-5 (14 ref.)

Proposed classification and pathologic mechanisms of purpura fulminans and skin necrosis. Adcock DM, et al. **Semin Thromb Hemost** 1990 Oct;16(4):333-40 (44 ref.)

DIAGNOSIS

The anatomic basis of maternal serum screening. Bendon RW. **Ann Clin Lab Sci** 1991 Jan-Feb;21(1):36-9 (7 ref.)

[Benign hemorrhagic renal cyst: a case report] Kobayashi Y, et al. **Hinyokika Kiyo** 1991 Jun;37(6):621-4 (12 ref.) (Eng. Abstr.) **(Jpn)**

[The blue tympanum] Stefaniu A, et al. **Otorinolaringologie** 1967 Jan-Mar;12(1):61-8 (15 ref.) **(Rum)**

[Hemorrhagic diseases in newborn infants] Prohászka Rád I. **Rev Pediatr Obstet Ginecol [Pediatr]** 1989 Oct-Dec; 38(4):325-44 (26 ref.) (Eng. Abstr.) **(Rum)**

[Pulmonary hemorrhage as the initial manifestation of Behçet's disease] Nicolás JM, et al. **Rev Clin Esp** 1991 May; 188(9):466-7 (16 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Management of uremic bleeding [see comments] Couch P, et al. **Clin Pharm** 1990 Sep;9(9):673-81 (94 ref.) Comment in: Clin Pharm 1991 Jun;10(6):429.

[The use of desmopressin in the treatment of hemorrhagic syndromes] Vicente V, et al. **Med Clin (Barc)** 1990 Oct 13;95(12):466-9 (55 ref.) **(Spa)**

ETIOLOGY

Haematological disorders responsible for maternal bleeding in late pregnancy. Gatt S. **Anaesth Intensive Care** 1990 Aug; 18(3):335-47 (49 ref.)

Arterial hemorrhage after pancreatoduodenectomy. The 'sentinel bleed'. Brodsky JT, et al. **Arch Surg** 1991 Aug; 126(8):1037-40 (14 ref.)

Bleeding complications associated with cardiopulmonary bypass. Woodman RC, et al. **Blood** 1990 Nov 1; 76(9):1680-97 (204 ref.)

Ovarian necrotizing vasculitis causing major intra-abdominal haemorrhage after IVF. Case report and literature review. Ilbery M, et al. **Br J Obstet Gynaecol** 1991 Jun;98(6):596-9 (17 ref.)

Wegener's granulomatosis presenting as diffuse pulmonary hemorrhage. Misset B, et al. **Intensive Care Med** 1991; 17(2):118-20 (12 ref.)

Vaginal bleeding in childhood and adolescence. Muram D. **Obstet Gynecol Clin North Am** 1990 Jun;17(2):389-408 (50 ref.)

Difficult pediatric diagnoses. Bruising and bleeding [published erratum appears in Pediatr Clin North Am 1991 Oct;38(5):viii] Manno CS. **Pediatr Clin North Am** 1991 Jun; 38(3):637-55 (31 ref.)

Pathologic fibrinolysis as a cause of clinical bleeding. Stump DC, et al. **Semin Thromb Hemost** 1990 Jul;16(3):260-73 (65 ref.)

[Diagnosis and therapy of lung hemorrhage] Hennig R, et al. **Z Arztl Fortbild (Jena)** 1990;84(24):1240-2 (8 ref.) **(Ger)**

[Hematopoietic organ and bleeding tendency] Terada H. **Nippon Rinsho** 1991 Apr;49(4):859-64 (16 ref.) **(Jpn)**

[Posterior fossa hemorrhage 11 years after the use of silastic dural substitute: case report] Gondo G, et al. **No Shinkei Geka** 1991 Jan;19(1):59-62 (8 ref.) (Eng. Abstr.) **(Jpn)**

[Alveolar hemorrhage] García-Casasola G, et al. **Rev Clin Esp** 1990 Nov;187(8):412-7 (30 ref.) **(Spa)**

IMMUNOLOGY

Hemorrhage and resuscitation: immunological aspects [editorial] Chaudry IH, et al. **Am J Physiol** 1990 Oct;259(4 Pt 2):R663-78 (189 ref.)

PHYSIOPATHOLOGY

[Hemorrhagic shock] Bratus' VD. **Klin Khir** 1991;(3):61-4 (63 ref.) **(Rus)**

PREVENTION & CONTROL

The bleeding time does not predict surgical bleeding. Lind SE. **Blood** 1991 Jun 15;77(12):2547-52 (58 ref.)

The serine antiprotease aprotinin (Trasylol): a novel approach to reducing postoperative bleeding. Royston D. **Blood Coagul Fibrinolysis** 1990 Mar-Apr;1(1):55-69 (74 ref.)

Con: desmopressin is not of value in the treatment of post-cardiopulmonary bypass bleeding. Hackmann T, et al. **J Cardiothorac Vasc Anesth** 1991 Jun;5(3):290-3 (28 ref.)

Pro: desmopressin is of value in the treatment of post-cardiopulmonary bypass bleeding. Shiffrin JS, et al. **J Cardiothorac Vasc Anesth** 1991 Jun;5(3):285-9 (59 ref.)

PSYCHOLOGY

[Psychogenic hemorrhages] Verstraete M. **Verh K Acad Geneeskd Belg** 1991;53(1):5-28 (27 ref.) (Eng. Abstr.) **(Dut)**

RADIOGRAPHY

Diffuse pulmonary hemorrhage. Müller NL, et al. **Radiol Clin North Am** 1991 Sep;29(5):965-71 (51 ref.)

VETERINARY

Exercise-induced pulmonary hemorrhage. Sweeney CR. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):93-104 (43 ref.)

A review of the pathophysiology of exercise-induced pulmonary haemorrhage in the equine athlete. Donaldson LL. **Vet Res Commun** 1991;15(3):211-26 (91 ref.)

HEMORRHAGE, BILIARY TRACT see **HEMOBILIA**

HEMORRHAGE, CEREBRAL see **CEREBRAL HEMORRHAGE**

HEMORRHAGE, FETOMATERNAL see **FETOMATERNAL TRANSFUSION**

HEMORRHAGE, GASTROINTESTINAL see **GASTROINTESTINAL HEMORRHAGE**

HEMORRHAGE, PEPTIC ULCER see **PEPTIC ULCER HEMORRHAGE**

HEMORRHAGE, POSTPARTUM see **POSTPARTUM HEMORRHAGE**

HEMORRHAGE, RETINAL see **RETINAL HEMORRHAGE**

HEMORRHAGE, SUBARACHNOID see **SUBARACHNOID HEMORRHAGE**

HEMORRHAGE, SURGICAL see **BLOOD LOSS, SURGICAL**

HEMORRHAGE, UTERINE see **UTERINE HEMORRHAGE**

HEMORRHAGE, VITREOUS see **VITREOUS HEMORRHAGE**

HEMORRHAGIC DIATHESIS

[Clinical significance of the fibrinolysis system] Himmelreich G, et al. **Dtsch Med Wochenschr** 1991 Mar 15; 116(11):426-30 (65 ref.) **(Ger)**

BLOOD

[Hemorrhagic diathesis and oral surgery] Grignani G, et al. **Minerva Stomatol** 1990 Oct;39(10):789-96 (19 ref.) (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Side-effects of antithrombotic therapy. Levine MN, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):815-29 (66 ref.)

COMPLICATIONS

Haematological disorders responsible for maternal bleeding in late pregnancy. Gatt S. **Anaesth Intensive Care** 1990 Aug; 18(3):335-47 (49 ref.)

DIAGNOSIS

"Superwarfarin" ingestion. A new problem in covert anticoagulant overdose. Swigar ME, et al. **Gen Hosp Psychiatry** 1990 Sep;12(5):309-12 (7 ref.)

[Hemorrhagic diathesis] Matsuda T. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):473-6 (6 ref.) **(Jpn)**

DRUG THERAPY

Desmopressin for diabetes insipidus, hemostatic disorders and enuresis. Shulman LH, et al. **Am Fam Physician** 1990 Oct; 42(4):1051-7 (12 ref.)

ETIOLOGY

Haemostatic problems in acute leukaemia. Wilde JT, et al. **Blood Rev** 1990 Dec;4(4):245-51 (53 ref.)

Amyloidosis associated bleeding diatheses in the surgical patient. Mizutani AR, et al. **Can J Anaesth** 1990 Nov; 37(8):910-2 (15 ref.)

GENETICS

Homozygous protein C deficiency in two siblings. Petrini P, et al. **Pediatr Hematol Oncol** 1990;7(2):165-75 (24 ref.)

HEMORRHAGIC DISEASE OF NEWBORN

CLASSIFICATION

[Vitamin K in pediatrics. Recommendations of directions] **Arch Fr Pediatr** 1991 Jan;48(1):57-9 (27 ref.) **(Fre)**

ETIOLOGY

Vitamin K deficiency in infancy. Matsuda I, et al. **World Rev Nutr Diet** 1991;64:85-108 (116 ref.)

[Rectal bleeding in newborn infants] Benhamou PH, et al. **Arch Fr Pediatr** 1990 Dec;47(10):747-53 (51 ref.) **(Fre)**

[Disorders of fetal hemostasis] Forestier PF.

Arch Gynecol Obstet 1990;247 Suppl:S6-14 (11 ref.) (Fre)

HEMORRHAGIC FEVER, AMERICAN

PREVENTION & CONTROL

Toward a vaccine against Argentine hemorrhagic fever. Barrera Oro JG, et al. **Bull Pan Am Health Organ** 1991; 25(2):118-26 (63 ref.)

HEMORRHAGIC FEVER, ARGENTINIAN see **HEMORRHAGIC FEVER, AMERICAN**

HEMORRHAGIC FEVER, BOLIVIAN see **HEMORRHAGIC FEVER, AMERICAN**

HEMORRHAGIC FEVER, DENGUE see **DENGUE**

HEMORRHAGIC FEVER, EPIDEMIC

COMPLICATIONS

[Hantaan virus infection, a seldom recognized cause of acute kidney insufficiency] Jordans JG, et al. **Ned Tijdschr Geneeskd** 1991 May 4;135(18):791-3 (20 ref.) (Dut)

DIAGNOSIS

[The clinical picture and therapy of Hantaan virus infection] Zeier M, et al. **Dtsch Med Wochenschr** 1990 Nov 2; 115(44):1678-81 (11 ref.) (Ger)

[The serological diagnosis of Hantaan virus infections] Zöller L, et al. **Dtsch Med Wochenschr** 1990 Nov 2;115(44):1674-7 (13 ref.) (Ger)

PHYSIOPATHOLOGY

Mechanisms of disease in Hantavirus infection: pathophysiology of hemorrhagic fever with renal syndrome. Cosgriff TM. **Rev Infect Dis** 1991 Jan-Feb; 13(1):97-107 (134 ref.)

HEMORRHAGIC FEVER, KOREAN see **HEMORRHAGIC FEVER, EPIDEMIC**

HEMORRHAGIC FEVER VIRUS, ARGENTINIAN see **HEMORRHAGIC FEVER VIRUSES, AMERICAN**

HEMORRHAGIC FEVER VIRUS, BOLIVIAN see **HEMORRHAGIC FEVER VIRUSES, AMERICAN**

HEMORRHAGIC FEVER VIRUS, EPIDEMIC

[The clinical picture and therapy of Hantaan virus infection] Zeier M, et al. **Dtsch Med Wochenschr** 1990 Nov 2; 115(44):1678-81 (11 ref.) (Ger)

[The serological diagnosis of Hantaan virus infections] Zöller L, et al. **Dtsch Med Wochenschr** 1990 Nov 2;115(44):1674-7 (13 ref.) (Ger)

HEMORRHAGIC FEVER VIRUS, KOREAN see **HEMORRHAGIC FEVER VIRUS, EPIDEMIC**

HEMORRHAGIC FEVER VIRUSES, AMERICAN

IMMUNOLOGY

Toward a vaccine against Argentine hemorrhagic fever. Barrera Oro JG, et al. **Bull Pan Am Health Organ** 1991; 25(2):118-26 (63 ref.)

HEMORRHAGIC FEVER WITH RENAL SYNDROME VIRUS see **HEMORRHAGIC FEVER VIRUS, EPIDEMIC**

HEMORRHAGIC FEVERS, VIRAL

PREVENTION & CONTROL

[Epidemiology and prophylaxis of viral hemorrhagic fevers] Martet G, et al. **Med Trop (Mars)** 1990 Jul-Sep;50(3):331-8 (15 ref.) (Eng. Abstr.) (Fre)

HEMORRHAGIC NEPHROSO-NEPHRITIS see **HEMORRHAGIC FEVER, EPIDEMIC**

HEMORRHAGIC NEPHROSO-NEPHRITIS VIRUS see **HEMORRHAGIC FEVER VIRUS, EPIDEMIC**

HEMORRHAGIC THROMBOCYTHEMIA see **THROMBOCYTHEMIA, HEMORRHAGIC**

HEMORRHOIDS

Hemorrhoids. A practical approach to an aggravating problem. Cocchiara JL. **Postgrad Med** 1991 Jan; 89(1):149-52 (8 ref.)

THERAPY

Office treatment of haemorrhoids and perianal haematoma. Iseli A. **Aust Fam Physician** 1991 Mar;20(3):284-90 (0 ref.)

Anal hemorrhoids. Smith LE. **Neth J Med** 1990 Aug;37 Suppl 1:S22-32 (91 ref.)

HEMOSIDEROSIS

COMPLICATIONS

Pulmonary hemorrhage and necrotizing glomerulonephritis without glomerular immune deposits: report of two cases. Jones CL, et al. **Am J Kidney Dis** 1991 Aug;18(2):257-63 (40 ref.)

DIAGNOSIS

Superficial siderosis of the central nervous system. A 37-year follow-up of a case and review of the literature. Stevens I, et al. **Eur Arch Psychiatry Clin Neurosci** 1991; 241(1):57-60 (22 ref.)

DRUG THERAPY

Clinical studies on iron chelation in patients with thalassemia major. Freedman MH, et al. **Haematologica** 1990 Sep-Oct; 75 Suppl 5:74-83 (28 ref.)

ETIOLOGY

Iron metabolism and iron chelation in the thalassaemia disorders. Pippard MJ. **Haematologica** 1990 Sep-Oct;75 Suppl 5:66-71 (21 ref.)

[Pulmonary hemosiderosis. Hemodynamic or idiopathic origin? Diagnostic contribution of imaging and review of the literature] Le Blanche AF, et al. **J Radiol** 1991 Jan; 72(1):35-41 (24 ref.) (Eng. Abstr.) (Fre)

[Calcipenic osteopathy in transfusion hemosiderosis and idiopathic hemochromatosis] Czink E, et al. **Orv Hetil** 1991 Jun 2;132(22):1187-92 (42 ref.) (Eng. Abstr.) (Hun)

PATHOLOGY

[Changes in the pleura and review of idiopathic pulmonary hemosiderosis Ceelen-Gellerstedt disease] Müller KM, et al. **Pneumologie** 1991 Jan;45(1):23-7 (26 ref.) (Eng. Abstr.) (Ger)

HEMOSORPTION see **HEMOPERFUSION**

HEMOSTASIS

An independent haemostatic mechanism: shear induced platelet aggregation. O'Brien JR, et al. **Adv Exp Med Biol** 1990;281:287-96 (32 ref.)

Integrin structure and function in hemostasis and thrombosis. Bennett JS. **Ann N Y Acad Sci** 1991;614:214-28 (114 ref.)

The superfamily of proteins with von Willebrand factor type A-like domains: one theme common to components of extracellular matrix, hemostasis, cellular adhesion, and defense mechanisms. Colombatti A, et al. **Blood** 1991 Jun 1;77(11):2305-15 (112 ref.)

Plasmatic markers of haemostatic system activation in patients with solid neoplasms. Sagripanti A, et al. **J Nucl Med Allied Sci** 1990 Oct-Dec;34(4):321-32 (37 ref.)

Hemostasis in the perinatal period: approach to the diagnosis of coagulation disorders. Beardsley DS. **Semin Perinatol** 1991 Jun;15(3 Suppl 2):25-34 (41 ref.)

[Hemostasis, fibrinolysis, proteolysis: interaction with inflammatory reactions] Römisch J, et al. **Behring Inst Mitt** 1990 Oct;(86):129-45 (64 ref.) (Eng. Abstr.) (Ger)

DRUG EFFECTS

Effects of snake venoms on hemostasis. Meier J, et al. **Crit Rev Toxicol** 1991;21(3):171-82 (129 ref.)

Coffee, caffeine and hemostasis: a review. Bak AA, et al. **Neth J Med** 1990 Dec;37(5-6):242-6 (39 ref.)

PHYSIOLOGY

Hormonal regulation of the acute haemostatic response to stress. Grant PJ. **Blood Coagul Fibrinolysis** 1990 Aug; 1(3):299-306 (84 ref.)

Platelet receptors in hemostasis. Andrews RK, et al. **Curr Opin Cell Biol** 1990 Oct;2(5):894-901 (30 ref.)

Platelet membrane glycoproteins: role in primary hemostasis and component antigens. Beardsley DS. **Yale J Biol Med** 1990 Sep-Oct;63(5):469-75 (21 ref.)

[Blood platelets and the elderly. Relation to the arterial wall and hemostasis] Boisseau MR. **Ann Cardiol Angeiol (Paris)** 1991 May;40(5):239-42 (21 ref.) (Fre)

[Von Willebrand factor] Jeleńska MM. **Postepy Hig Med Dosw** 1990;44(1-3):41-61 (98 ref.) (Eng. Abstr.) (Pol)

[The role of leukocytes in hemostatic reactions] Kopeć M. **Postepy Hig Med Dosw** 1990;44(4-6):217-33 (101 ref.) (Eng. Abstr.) (Pol)

HEMOSTASIS, SURGICAL

The management of coagulation problems in the surgical patient. Dyke C, et al. **Adv Surg** 1991;24:229-57 (91 ref.)

Intraoperative defect in haemostasis in a child receiving valproic acid. Tetzlaff JE. **Can J Anaesth** 1991 Mar; 38(2):222-4 (24 ref.)

Heparin and protamine therapy. Arén C. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):364-72 (93 ref.)

Postoperative hemostasis. Ellison N, et al. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):33-8 (31 ref.)

METHODS

Preliminary vascular control for renal trauma. Atala A, et al. **Surg Gynecol Obstet** 1991 May;172(5):386-90 (7 ref.)

[Characteristics of hemostasis in liver surgery] Abduganiev AA, et al. **Klin Khir** 1990;(9):51-3 (37 ref.) (Rus)

HEMOSTATIC TECHNIQUES

Introduction to endoscopic therapy for bleeding peptic ulcers. Jiranek GC, et al. **Gastrointest Endosc** 1990 Sep-Oct;36(5 Suppl):S25-9 (39 ref.)

HEMOSTATICS

ADMINISTRATION & DOSAGE

Topical therapy for the control of gastrointestinal bleeding. Peura DA. **Gastrointest Endosc** 1990 Sep-Oct;36(5 Suppl):S53-5 (17 ref.)

HEMOTHORAX

DIAGNOSIS

[An unusual case of spontaneous idiopathic hemothorax] Custureri F, et al. **G Chir** 1991 Jan-Feb;12(1-2):46-8 (3 ref.) (Eng. Abstr.) (Ita)

ETIOLOGY

[A case of intrapleural rupture of pulmonary arteriovenous malformation with shock] Itaoka Y, et al. **Kokyu To Junkan** 1990 Aug;38(8):811-4 (16 ref.) (Eng. Abstr.) (Jpn)

HEMOTOXINS see **HEMOLYSINS**

HENDERSON-JONES SYNDROME see **CHONDROMATOSIS, SYNOVIAL**

HENOCH PURPURA see **PURPURA, SCHOENLEIN-HENOCH**

HEPADNAVIRIDAE

Animal models in Hepadna viruses. Mehrotra R, et al. **Indian J Pathol Microbiol** 1990 Jul;33(3):288-98 (54 ref.)

PHYSIOLOGY

Hepadnaviruses, their infections and hepatocellular carcinoma. Bukhari SS, et al. **JPMA** 1990 Dec;40(12):300-6 (44 ref.)

Chronic hepadnavirus infections. Mason WS, et al. **Prog Clin Biol Res** 1991;364:235-42 (14 ref.)

HEPARAN SULFATE see **HEPARITIN SULFATE**

HEPARIN

ADMINISTRATION & DOSAGE

Heparin as an adjunctive treatment after thrombolytic therapy for acute myocardial infarction. Prins MH, et al. **Am J Cardiol** 1991 Jan 25;67(3):3A-11A (29 ref.)

Low-dose heparin as an antithrombotic agent. Gensini GF, et al. **Haemostasis** 1990;20 Suppl 1:129-31 (12 ref.)

Setting the record straight on low-dose heparin. Shulman AG. **Lancet** 1991 Sep 7;338(8767):619-20 (26 ref.)

Perfusion with heparin-coated equipment: potential for clinical use. von Segesser LK, et al. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):373-80 (28 ref.)

ADVERSE EFFECTS

Heparin-induced thrombocytopenia and thrombosis: reversal with streptokinase. A case report and review of literature. Mehta DP, et al. **Am J Hematol** 1991 Apr;36(4):275-9 (55 ref.)

Low-dose heparin. A cause of hematoma of rectus abdominis. Tsapatsaris NP. **Arch Intern Med** 1991 Mar; 151(3):597-9 (20 ref.)

Drug therapy during pregnancy. Niebyl JR. **Curr Opin Obstet Gynecol** 1991 Feb;3(1):24-7 (18 ref.)

Heparin-associated skin necrosis. Fowlie J, et al. **Postgrad Med J** 1990 Jul;66(777):573-5 (11 ref.)

Heparin-induced thrombocytopenia. Warkentin TE, et al. **Prog Hemost Thromb** 1991;10:1-34 (225 ref.)

[Heparin and blood platelets] Komarnicki M, et al. **Pol Tyg Lek** 1989 Oct 2-16;44(40-42):899-901 (34 ref.) (Pol)

BIOSYNTHESIS

Biosynthesis of heparin. Lindahl U. **Biochem Soc Trans** 1990 Oct;18(5):803-5 (8 ref.)

Approaches to the synthesis of heparin. Lindahl U. **Haemostasis** 1990;20 Suppl 1:146–53 (20 ref.)

BLOOD

Heparin, monocytes, and procoagulant activity. Abbate R, et al. **Haemostasis** 1990;20 Suppl 1:98–100 (11 ref.)

[Review: heparin. 1. Methods of determination and inhibitory mechanisms of some coagulation factors] Kaše F, et al. **Folia Haematol (Leipz)** 1990;117(6):887–903 (173 ref.) (Eng. Abstr.) **(Ger)**

CHEMISTRY

Heparin structure. Casu B. **Haemostasis** 1990;20 Suppl 1:62–73 (21 ref.)

METABOLISM

The affinity of fibroblast growth factors (FGFs) for heparin; FGF–heparan sulfate interactions in cells and extracellular matrix. Klagsbrun M. **Curr Opin Cell Biol** 1990 Oct; 2(5):857–63 (24 ref.)

PHARMACOKINETICS

Comparison of the pharmacokinetics of enoxaparin (Clexane) and unfractionated heparin. Dawes J. **Acta Chir Scand Suppl** 1990;556:68–74 (21 ref.)

Pharmacokinetics of heparin and low molecular weight heparin. Boneu B, et al. **Baillieres Clin Haematol** 1990 Jul; 3(3):531–44 (47 ref.)

Pharmacokinetics of heparin and low molecular weight heparins. Ambrosioni E, et al. **Haemostasis** 1990;20 Suppl 1:94–7 (23 ref.)

PHARMACOLOGY

Mechanism of heparin action. Jackson CM. **Baillieres Clin Haematol** 1990 Jul;3(3):483–504 (117 ref.)

The pharmacology of aspirin, heparin, coumarin, and thrombolytic agents. Implications for therapeutic use in cardiopulmonary disease. Kessler CM. **Chest** 1991 Apr;99(4 Suppl):97S–112S (67 ref.)

Pharmacotherapeutic aspects of unfractionated and low molecular weight heparins. Verstraete M. **Drugs** 1990 Oct; 40(4):498–530 (411 ref.)

Immunomodulating activity of heparin. Górski A, et al. **FASEB J** 1991 Jun;5(9):2287–91 (37 ref.)

Heparin–endothelial cell interactions. D'Amore PA. **Haemostasis** 1990;20 Suppl 1:159–65 (33 ref.)

Mode of action of unfractionated and low molecular weight heparins on the generation of thrombin in plasma. Hemker HC, et al. **Haemostasis** 1990;20 Suppl 1:81–92 (58 ref.)

Pharmacologic roles of heparin and glucocorticoids to prevent restenosis after coronary angioplasty. Berk BC, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):111B–117B (51 ref.)

The anticoagulant activity of heparin: measurement and relationship to chemical structure. Barrowcliffe TW, et al. **J Pharm Biomed Anal** 1989;7(2):217–26 (32 ref.)

Mesangial cell turnover: effect of heparin and peptide growth factors. Striker LJ, et al. **Lab Invest** 1991 Apr;64(4):446–56 (129 ref.)

Mode of action of heparin and related drugs. Hemker HC, et al. **Semin Thromb Hemost** 1991;17 Suppl 1:29–34 (35 ref.)

Interaction of heparinoids with platelets: comparison with heparin and low molecular weight heparins. Messmore HL, et al. **Semin Thromb Hemost** 1991;17 Suppl 1:57–9 (14 ref.)

Lipolytic effects of heparin and low molecular weight heparin and their importance in hemodialysis. Schrader J, et al. **Semin Thromb Hemost** 1990 Oct;16 Suppl:41–5 (45 ref.)

[Review: heparin. 2. Effect on thrombocytes, vascular walls and fibrinolysis] Kaše F, et al. **Folia Haematol (Leipz)** 1990; 117(6):905–15 (96 ref.) (Eng. Abstr.) **(Ger)**

[Heparin: its mechanism of action and use in cardiology] Serneri GG, et al. **G Ital Cardiol** 1990 Jul;20(7):670–4 (41 ref.) **(Ita)**

[Heparins and antivitamins K] Langer B. **Rev Paul Med** 1990 Jul–Aug;108(4):183–8 (47 ref.) **(Por)**

PHYSIOLOGY

Physiological role of vessel wall related antithrombotic mechanisms: contribution of endogenous and exogenous heparin-like components to the anticoagulant potential of the endothelium. Preissner KT. **Haemostasis** 1990;20 Suppl 1:30–49 (161 ref.)

POISONING

Accidental heparinization in the newborn: a case report and brief review of the literature. Moncino MD, et al. **J Perinatol** 1990 Dec;10(4):399–402 (18 ref.)

THERAPEUTIC USE

From unfractionated heparins to low molecular weight heparins. Hirsh J. **Acta Chir Scand Suppl** 1990;556:42–50 (77 ref.)

Treatment of severe hypercholesterolemia by heparin-induced extracorporeal LDL precipitation (HELP). Schuff-Werner P, et al. **Beitr Infusionther** 1988; 23:118–26 (9 ref.)

Does heparin stimulate fibrinolysis? Marsh N. **Br J Haematol** 1990 Oct;76(2):163–7 (69 ref.)

Therapy of acute thromboembolism with heparin and warfarin. Carter BL. **Clin Pharm** 1991 Jul;10(7):503–18 (143 ref.)

The controversy of heparin therapy as an adjunct to thrombolysis in acute myocardial infarction. Chow MS, et al. **DICP** 1991 Jun;25(6):613–6 (34 ref.)

Heparin and secondary prevention of acute myocardial infarction. Lotto A, et al. **Haemostasis** 1990;20 Suppl 1:132–41 (47 ref.)

Heparin and antiaggregating therapy in unstable angina. Neri Serneri GG, et al. **Haemostasis** 1990;20 Suppl 1:113–21 (39 ref.)

Prevention of stenosis after vascular reconstruction: pharmacologic control of intimal hyperplasia—a review. Clowes AW, et al. **J Vasc Surg** 1991 Jun;13(6):885–91 (59 ref.)

Heparin. Hirsh J. **N Engl J Med** 1991 May 30;324(22):1565–74 (141 ref.)

Prophylaxis of venous thrombosis following total hip and total knee replacement using antithrombin III and heparin. Francis CW, et al. **Semin Hematol** 1991 Jan;28(1):39–45 (54 ref.)

Heparin and protamine therapy. Arén C. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):364–72 (93 ref.)

Heparin, non-heparin glycosaminoglycans, and heparinoids: an overview of their application in atherosclerosis. Engelberg H. **Semin Thromb Hemost** 1991;17 Suppl 1:5–8 (14 ref.)

[The risk of thromboembolism in prosthetic surgery of the hip, and its prevention by administration of individualized heparin dosages] Hernandez-Vaquero D. **Acta Orthop Belg** 1990;56(2):445–50 (41 ref.) (Eng. Abstr.) **(Fre)**

[Spinal anesthesia and prevention of thrombosis by heparin] Louville Y, et al. **Agressologie** 1990 Mar;31(3):160–3 (49 ref.) (Eng. Abstr.) **(Fre)**

[Heparin and the arterial wall] Manciet G, et al. **Ann Cardiol Angeiol (Paris)** 1991 Jun;40(6):385–9 (43 ref.) **(Fre)**

[Heparin and spinal or epidural anesthesia: decision analysis] Schwander D, et al. **Ann Fr Anesth Reanim** 1991; 10(3):284–96 (73 ref.) (Eng. Abstr.) **(Fre)**

[The treatment of deep venous thrombosis. Thrombolysis vs heparin] Schmutzler R. **Phlebologie** 1990 Nov–Dec; 43(4):656–65; discussion 666 (0 ref.) (Eng. Abstr.) **(Fre)**

[Current aspects of perioperative heparin administration] Basic-Micic M, et al. **Gynakologe** 1991 Feb;24(1):59–63 (31 ref.) **(Ger)**

[Heparin therapy and its monitoring] Camici M, et al. **Clin Ter** 1991 Feb 28;136(4):279–82 (33 ref.) (Eng. Abstr.) **(Ita)**

[Current views on the therapeutic use of heparin and antithrombin III in disseminated intravascular coagulation] Sobczyk J, et al. **Pol Tyg Lek** 1989 Oct 2–16; 44(40–42):896–8 (25 ref.) **(Pol)**

[Heparin therapy of disseminated intravascular coagulation in pyo-inflammatory diseases in children] Dmitriev VV. **Anesteziol Reanimatol** 1991 Jan–Feb;(1):69–72 (63 ref.) **(Rus)**

HEPARIN ANTAGONISTS

PHARMACOLOGY

Some objective considerations for the neutralization of the anticoagulant actions of recombinant hirudin. Fareed J, et al. **Haemostasis** 1991;21 Suppl 1:64–72 (10 ref.)

HEPARIN-BINDING GROWTH FACTOR CLASS II see **FIBROBLAST GROWTH FACTOR, BASIC**

HEPARIN-CLEARING FACTOR see **LIPOPROTEIN LIPASE**

HEPARIN COFACTOR see **ANTITHROMBIN III**

HEPARIN COFACTOR II

DEFICIENCY

[Recurrent venous thromboembolism caused by heparin cofactor II deficiency. A case] Schved JF, et al. **Presse Med** 1991 Jul 6–13;20(26):1211–4 (11 ref.) (Eng. Abstr.) **(Fre)**

[Right ventricular thrombosis due to familial heparin cofactor II deficiency] Nagae N, et al. **Kyobu Geka** 1990 Sep; 43(10):830–4 (13 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Effect of low molecular weight heparin preparations on the inhibition of thrombin by heparin cofactor II. Tollefsen DM, et al. **Semin Thromb Hemost** 1990 Oct;16 Suppl:66–70 (17 ref.)

HEPARIN, LOW MOLECULAR WEIGHT

Low molecular weight heparins: an emerging new class of glycosaminoglycan antithrombotics. Freedman MD. **J Clin Pharmacol** 1991 Apr;31(4):298–306 (92 ref.)

ADVERSE EFFECTS

[Platelet hyperaggregation induced by low molecular weight heparin in adult respiratory distress syndrome] Roynard JL, et al. **Ann Fr Anesth Reanim** 1991;10(1):70–3 (20 ref.) (Eng. Abstr.) **(Fre)**

BLOOD

Mode of action of enoxaparin in plasma. Béguin S, et al. **Acta Chir Scand Suppl** 1990;556:51–6 (5 ref.)

PHARMACOKINETICS

Pharmacokinetics of low molecular weight heparins. Bara L, et al. **Acta Chir Scand Suppl** 1990;556:57–61 (40 ref.)

Comparison of the pharmacokinetics of enoxaparin (Clexane) and unfractionated heparin. Dawes J. **Acta Chir Scand Suppl** 1990;556:68–74 (21 ref.)

Pharmacokinetics of heparin and low molecular weight heparin. Boneu B, et al. **Baillieres Clin Haematol** 1990 Jul; 3(3):531–44 (47 ref.)

Pharmacokinetics of heparin and low molecular weight heparins. Ambrosioni E, et al. **Haemostasis** 1990;20 Suppl 1:94–7 (23 ref.)

PHARMACOLOGY

Pharmacologic profile of a low molecular weight heparin (enoxaparin): experimental and clinical validation of the prophylactic antithrombotic effects. Fareed J, et al. **Acta Chir Scand Suppl** 1990;556:75–90 (35 ref.)

Mechanisms of action of low molecular weight heparins and heparinoids. Ofosu FA, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):505–29 (131 ref.)

Pharmacotherapeutic aspects of unfractionated and low molecular weight heparins. Verstraete M. **Drugs** 1990 Oct; 40(4):498–530 (411 ref.)

Low molecular weight heparins: an introduction. Coccheri S. **Haemostasis** 1990;20 Suppl 1:74–80 (22 ref.)

Mode of action of unfractionated and low molecular weight heparins on the generation of thrombin in plasma. Hemker HC, et al. **Haemostasis** 1990;20 Suppl 1:81–92 (58 ref.)

Interaction of heparinoids with platelets: comparison with heparin and low molecular weight heparins. Messmore HL, et al. **Semin Thromb Hemost** 1991;17 Suppl 1:57–9 (14 ref.)

Lipolytic effects of heparin and low molecular weight heparin and their importance in hemodialysis. Schrader J, et al. **Semin Thromb Hemost** 1990 Oct;16 Suppl:41–5 (45 ref.)

Effect of low molecular weight heparin preparations on the inhibition of thrombin by heparin cofactor II. Tollefsen DM, et al. **Semin Thromb Hemost** 1990 Oct;16 Suppl:66–70 (17 ref.)

THERAPEUTIC USE

From unfractionated heparins to low molecular weight heparins. Hirsh J. **Acta Chir Scand Suppl** 1990;556:42–50 (77 ref.)

Rationale for development of low-molecular-weight heparins and their clinical potential in the prevention of postoperative venous thrombosis. Hirsh J. **Am J Surg** 1991 Apr;161(4):512–8 (73 ref.)

Efficacy of a postoperative regimen of enoxaparin in deep vein thrombosis prophylaxis. Turpie AG. **Am J Surg** 1991 Apr;161(4):532–6 (24 ref.)

Clinical potential of low molecular weight heparins. Levine MN, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):545–54 (37 ref.)

Low-molecular-weight heparins and heparinoids and their use in acute or progressing ischemic stroke. Gordon DL, et al. **Clin Neuropharmacol** 1990 Dec;13(6):522–43 (130 ref.)

Why low molecular weight heparin? Mammen EF. **Semin Thromb Hemost** 1990 Oct;16 Suppl:1–4 (26 ref.)

Clinical experience with low molecular weight heparins. Nenci GG, et al. **Thromb Res Suppl** 1990;11:69–87 (62 ref.)

[Prevention of venous thrombosis in surgery] Cornu P. **Agressologie** 1990 Mar;31(3):131–5 (13 ref.) (Eng. Abstr.) **(Fre)**

[Treatment of established venous thrombosis with low molecular weight heparins. A critical review] Bounameaux H. **J Mal Vasc** 1991;16(2):129–32 (14 ref.) (Eng. Abstr.) **(Fre)**

[Low molecular weight heparins in everyday practice] Horellou MH, et al. **J Mal Vasc** 1991;16(2):179–83 (12 ref.) (Eng. Abstr.) **(Fre)**

[New options in the prevention and treatment of thromboembolic disease: low-molecular-weight heparins] Sureda A, et al. **Sangre (Barc)** 1990 Oct;35(5):389–96 (52 ref.) **(Spa)**

HEPARINIC ACID see **HEPARIN**

HEPARINOID

PHARMACOLOGY

Mechanisms of action of low molecular weight heparins and heparinoids. Ofosu FA, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):505–29 (131 ref.)

Interaction of heparinoids with platelets: comparison with heparin and low molecular weight heparins. Messmore HL, et al. **Semin Thromb Hemost** 1991;17 Suppl 1:57–9 (14 ref.)

THERAPEUTIC USE

Low-molecular-weight heparins and heparinoids and their use in acute or progressing ischemic stroke. Gordon DL, et al. **Clin Neuropharmacol** 1990 Dec;13(6):522–43 (130 ref.)
Heparin, non-heparin glycosaminoglycans, and heparinoids: an overview of their application in atherosclerosis. Engelberg H. **Semin Thromb Hemost** 1991;17 Suppl 1:5–8 (14 ref.)

HEPARITIN SULFATE

BIOSYNTHESIS

Biosynthesis of heparin. Lindahl U. **Biochem Soc Trans** 1990 Oct;18(5):803–5 (8 ref.)
Synthesis of basement membrane proteins in the small intestine. Simon-Assmann P, et al. **Digestion** 1990;46 Suppl 2:12–21 (29 ref.)
Approaches to the synthesis of heparin. Lindahl U. **Haemostasis** 1990;20 Suppl 1:146–53 (20 ref.)

GENETICS

Heparan sulphate proteoglycans of human fibroblasts. David G. **Biochem Soc Trans** 1990 Oct;18(5):805–7 (17 ref.)

METABOLISM

The affinity of fibroblast growth factors (FGFs) for heparin; FGF-heparan sulfate interactions in cells and extracellular matrix. Klagsbrun M. **Curr Opin Cell Biol** 1990 Oct; 2(5):857–63 (24 ref.)
Structural features and binding properties of chondroitin sulfates, dermatan sulfate, and heparan sulfate. Casu B. **Semin Thromb Hemost** 1991;17 Suppl 1:9–14 (23 ref.)

PHYSIOLOGY

Role of antithrombin III as a regulator of in vivo coagulation. Bauer KA, et al. **Semin Hematol** 1991 Jan;28(1):10–8 (51 ref.)

HEPATECTOMY

see related
LIVER REGENERATION

Patient selection and factors affecting results following resection for hepatic metastases from colorectal carcinoma. Fegiz G, et al. **Int Surg** 1991 Jan-Mar;76(1):58–63 (27 ref.)
Hepatic function and liver resection. Ozawa K. **J Gastroenterol Hepatol** 1990 May-Jun;5(3):296–309 (55 ref.)
Hepatic resection: when, what kind, and for which patients. Kemeny MM. **J Surg Oncol Suppl** 1991;2:54–8 (17 ref.)

METHODS

Combined hepatic and vena caval resection with autogenous caval graft replacement. Miller CM, et al. **Arch Surg** 1991 Jan;126(1):106–8 (8 ref.)
Surgery of liver tumours. Terblanche J. **HPB Surg** 1989 Oct; 1(3):173–84 (61 ref.)
[Graft reduction in pediatric hepatic transplantation: value, technique and results] Boillot O. **Pediatrie** 1991;46(4):351–6 (18 ref.) (Eng. Abstr.) **(Fre)**
[Liver anatomy and its intraoperative application] Bismuth H, et al. **Chirurg** 1990 Oct;61(10):679–84 (12 ref.) **(Ger)**
[Atypical and segmental resections of the liver. Indications and results] Neuhaus P, et al. **Chirurg** 1990 Oct; 61(10):685–91 (17 ref.) **(Ger)**
[Possibilities of current methods of diagnosis and surgical treatment of hepatic cysts] Abdullaev AG. **Khirurgiia (Mosk)** 1990 Aug;(8):157–63 (98 ref.) **(Rus)**

STANDARDS

The management of liver metastases. Franco D. **Br J Hosp Med** 1991 May;45(5):284–5, 288–90 (21 ref.)

HEPATIC ARTERY

see related
LIVER CIRCULATION

Hepatic artery pseudoaneurysms in acute pancreatitis. Walton JM, et al. **Can J Surg** 1991 Aug;34(4):377–80 (25 ref.)
Arterial embolization in the management of liver metastases. Allison DJ, et al. **Cardiovasc Intervent Radiol** 1990 Jun-Jul; 13(3):161–8 (24 ref.)
Interventional treatment of hepatic arterial and venous pathology: a commentary. Rösch J, et al. **Cardiovasc Intervent Radiol** 1990 Jun-Jul;13(3):183–8 (21 ref.)
Hepatic artery infusion and chemoembolization in the management of liver metastases. Wallace S, et al. **Cardiovasc Intervent Radiol** 1990 Jun-Jul;13(3):153–60 (56 ref.)
[Malignant melanoma: hepatic intra-arterial chemotherapy] Khayat D, et al. **Pathol Biol (Paris)** 1990 Oct;38(8):872–5 (25 ref.) **(Fre)**
[Report of a case which survived rupture in a hepatic artery mycotic aneurysm after aortic valve replacement] Makino T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Jul; 38(7):1236–40 (20 ref.) (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

[A case of minute cholangiocellular carcinoma which was found in the follow-up periods of liver cirrhosis and was indistinguishable from hepatocellular carcinoma on hepatic angiography] Nagaoka T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jun;88(6):1369–74 (14 ref.) **(Jpn)**

SURGERY

Ischemic treatment of liver tumours. Bengmark S, et al. **G Chir** 1988 Oct;9(10):651–61 (44 ref.)

ULTRASONOGRAPHY

Intrahepatic spontaneous arterioportal fistula: duplex ultrasound diagnosis and angiographic treatment. Tarazov PG, et al. **Am J Gastroenterol** 1991 Jun;86(6):775–8 (38 ref.)

HEPATIC CIRRHOSIS see **LIVER CIRRHOSIS**

HEPATIC COMA see **HEPATIC ENCEPHALOPATHY**

HEPATIC DUCT, COMMON

Resection of a granular cell tumor at the hepatic confluence. A precarious location for a benign tumor. Sanchez JA, et al. **Am Surg** 1991 Jul;57(7):446–50 (47 ref.)
Polyarteritis nodosa presenting as a biliary stricture. Barquist ES, et al. **Surgery** 1991 Jan;109(1):16–9 (24 ref.)

HEPATIC ENCEPHALOPATHY

Hepatic encephalopathy. Ventura E. **Ann Ital Med Int** 1990 Jul-Sep;5(3 Pt 3):325–32 (7 ref.)

CHEMICALLY INDUCED

Carnitine, valproate, and toxicity [see comments] Coulter DL. **J Child Neurol** 1991 Jan;6(1):7–14 (55 ref.) Comment in: J Child Neurol 1991 Jan;6(1):3–6.
Valproate toxicity: risk-screening strategies [editorial; comment] Willmore LJ, et al. **J Child Neurol** 1991 Jan; 6(1):3–6 (47 ref.) Comment on: J Child Neurol 1991 Jan;6(1):7–14.
[Acute fatal liver insufficiency due to valproic acid therapy] Binek J, et al. **Schweiz Med Wochenschr** 1991 Feb 16; 121(7):228–33 (39 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Nutritional management of hepatic failure. Mizock BA. **Acute Care** 1988–89;14–15:71–90 (121 ref.)
Prothrombinex-induced thrombosis and its management with regional plasminogen activator in hepatic failure. Anderson BJ, et al. **Med J Aust** 1990 Sep 17;153(6):352, 355–6 (10 ref.)

DRUG THERAPY

Hepatic encephalopathy: neurochemical mechanisms and new treatments. Baraldi M, et al. **Adv Biochem Psychopharmacol** 1990;46:177–87 (60 ref.)
Branched chain amino acids in the treatment of hepatic encephalopathy. Rossi-Fanelli F. **Adv Exp Med Biol** 1990; 272:227–33 (34 ref.)

ETIOLOGY

The pathogenesis and treatment of hepatic encephalopathy: evidence for the involvement of benzodiazepine receptor ligands. Basile AS, et al. **Pharmacol Rev** 1991 Mar; 43(1):27–71 (601 ref.)
[Hepatic encephalopathy in fulminant liver failure. Clinical aspects and therapeutic approaches] Bode JC. **Z Gastroenterol Verh** 1991 Mar;26:10–3 (32 ref.) **(Ger)**
[Acute liver failure: definition, etiology, clinical picture and prognosis] Manns MP. **Z Gastroenterol Verh** 1991 Mar; 26:7–9 (14 ref.) **(Ger)**
[Hepatic encephalopathy: its etiology, pathogenesis, clinical diagnostic criteria and treatment principles] Grigor'ev PIa, et al. **Ter Arkh** 1990;62(9):131–9 (24 ref.) **(Rus)**

METABOLISM

Hepatic encephalopathy: neurochemical mechanisms and new treatments. Baraldi M, et al. **Adv Biochem Psychopharmacol** 1990;46:177–87 (60 ref.)
New roles of carnitine metabolism in ammonia cytotoxicity. O'Connor JE, et al. **Adv Exp Med Biol** 1990;272:183–95 (36 ref.)

PATHOLOGY

Astrocytes in hepatic encephalopathy. Norenberg MD. **Adv Exp Med Biol** 1990;272:81–97 (98 ref.)

PHYSIOPATHOLOGY

Cerebral function in hepatic encephalopathy. Hawkins RA, et al. **Adv Exp Med Biol** 1990;272:1–22 (98 ref.)
Hepatic encephalopathy, GABA-ergic neurotransmission and benzodiazepine receptor ligands. Jones EA, et al. **Adv Exp Med Biol** 1990;272:121–34 (59 ref.)
Synaptic plasma membrane composition and fluidity in the pathogenesis of hepatic encephalopathy. Pappas SC. **Adv Exp Med Biol** 1990;272:149–57 (17 ref.)
Effects of NH4+ on the function of the CNS. Raabe W. **Adv Exp Med Biol** 1990;272:99–120 (51 ref.)
Neurotransmission in hepatic encephalopathy. Zeneroli ML, et al. **Adv Exp Med Biol** 1990;272:135–48 (75 ref.)

THERAPY

Treatment of portal systemic encephalopathy: the old and new treatments. Uribe M. **Adv Exp Med Biol** 1990; 272:235–53 (34 ref.)
New therapeutic aspects in fulminant hepatic failure. Manns MP. **Chest** 1991 Sep;100(3 Suppl):193S–196S (30 ref.)
Role of parenteral nutrition in inflammatory bowel disease, acute renal failure, and hepatic encephalopathy. Clinical Efficacy Assessment Subcommittee of the Health and Public Policy Subcommittee, American College of Physicians. **Int J Technol Assess Health Care** 1990; 6(4):655–62 (32 ref.)
[Diagnosis and therapy of fulminant liver failure] Brunner G. **Internist (Berl)** 1991 May;32(5):256–61 (32 ref.) **(Ger)**
[Treatment of acute hepatic failure] Paczkowski PM, et al. **Pol Arch Med Wewn** 1990 Sep;84(3):157–65 (0 ref.) **(Pol)**

HEPATIC TRANSPLANTATION see **LIVER TRANSPLANTATION**

HEPATIC VEIN THROMBOSIS

COMPLICATIONS

Nodular regenerative hyperplasia of the liver and the Budd-Chiari syndrome. Case report, review of the literature and reappraisal of pathogenesis. de Sousa JM, et al. **J Hepatol** 1991 Jan;12(1):28–35 (49 ref.)
[A peculiar form of portal hypertension—the Budd-Chiari syndrome] Waluga M. **Pol Tyg Lek** 1990 Apr 16–30; 45(16–18):357–60 (28 ref.) **(Pol)**

ETIOLOGY

Budd Chiari syndrome in a post partum female with adrenal cortical carcinoma. Case report and review of the literature. González Keelan C, et al. **Bol Asoc Med P R** 1990 Dec; 82(12):538–40 (14 ref.)

HEPATIC VEINS

see related
LIVER CIRCULATION

Interventional treatment of hepatic arterial and venous pathology: a commentary. Rösch J, et al. **Cardiovasc Intervent Radiol** 1990 Jun-Jul;13(3):183–8 (21 ref.)

HEPATIC VENO-OCCLUSIVE DISEASE

see related
HEPATIC VEIN THROMBOSIS

HEPATICOLA HEPATICA see **CAPILLARIA**

HEPATITIS

The spectrum of chronic hepatitis in the last two decades in a university hospital for infectious diseases. Scevola D, et al. **Boll Ist Sieroter Milan** 1989;68(3):258–70 (31 ref.)
Autoimmune hepatitis: the realities and the uncertainties. Mackay IR. **Gastroenterol Jpn** 1991 Feb;26(1):102–8 (19 ref.)
[Chronic hepatitis] Llosa Tejada R. **Rev Gastroenterol Peru** 1989;9(1):41–53 (146 ref.) **(Spa)**

BLOOD

[Intravascular coagulation in acute and chronic hepatitis] Shelest LIu, et al. **Klin Med (Mosk)** 1990 Jul;68(7):15–20 (51 ref.) **(Rus)**
[Plasma fibronectin level in patients with chronic diseases of the liver] Topchil' NV, et al. **Vestn Akad Med Nauk SSSR** 1991;(2):53–4 (10 ref.) (Eng. Abstr.) **(Rus)**

CONGENITAL

[The neonatal hepatitis syndrome] Dragomir D, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1990 Jan-Mar; 39(1):1–41 (38 ref.) (Eng. Abstr.) **(Rum)**

DIAGNOSIS

[Chronic hepatitis: current diagnostics and treatment in different etiologic factors] Glaumann H, et al. **Lakartidningen** 1991 Mar 27;88(13):1201–4 (19 ref.) **(Swe)**

ETIOLOGY

Hepatic involvement in graft-versus-host disease associated with blood transfusion. Sakai H, et al. **Jpn J Med** 1990 Nov-Dec;29(6):633–6 (19 ref.)
Focal Candida hepatitis in a patient with Richter's syndrome. Barone JG, et al. **N J Med** 1990 Sep;87(9):727–9 (14 ref.)

[A case of autoimmune hepatitis developing simultaneously with exacerbation of Felty's syndrome] Kaise M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Sep;87(9):1893–6 (6 ref.) **(Jpn)**

[The effect of the systemic function of connective tissue cells on the pathogenesis of chronic hepatitis (a review of the literature)] Malaia LT, et al. **Vrach Delo** 1991 Jan;(1):3–10 (77 ref.) **(Rus)**

[Non-alcoholic steatohepatitis] Moreno Sánchez D. **An Med Interna** 1989 Feb;6(2):100–3 (71 ref.) **(Spa)**

PHYSIOPATHOLOGY

Lymphocyte trafficking in inflamed liver. Volpes R, et al. **APMIS Suppl** 1991;23:53–67 (122 ref.)

HEPATITIS A

Hepatitis A virus and hepatitis A infection. Ross BC, et al. **Adv Virus Res** 1991;39:209–53 (188 ref.)

Hepatitis A. Flehmig B. **Baillieres Clin Gastroenterol** 1990 Sep;4(3):707–20 (65 ref.)

Hepatitis 1990. Gitnick G. **Scand J Gastroenterol Suppl** 1990; 175:113–7 (30 ref.)

COMPLICATIONS

[A case of acute hepatitis A complicated with acute pure red cell aplasia] Tanri R, et al. **Nippon Naika Gakkai Zasshi** 1990 Jul 10;79(7):947–8 (4 ref.) **(Jpn)**

DIAGNOSIS

Viral hepatitis A to E. An update. Hallam A, et al. **Aust Fam Physician** 1991 Jun;20(6):760, 762–3, 766–70 (30 ref.)

Serologic diagnosis of acute and chronic viral hepatitis. Hoofnagle JH, et al. **Semin Liver Dis** 1991 May;11(2):73–83 (64 ref.)

IMMUNOLOGY

Recent advances in hepatitis A vaccine development. Siegl G, et al. **Virus Res** 1990 Oct;17(2):75–92 (76 ref.)

PREVENTION & CONTROL

Prophylactic treatment regimens for the prevention of hepatitis A. Current concepts. Kendall BJ, et al. **Drugs** 1991 Jun;41(6):883–8 (39 ref.)

Inactivated candidate vaccines for hepatitis A. André FE, et al. **Prog Med Virol** 1990;37:72–95 (54 ref.)

Prospects for a hepatitis A virus vaccine. Flehmig B, et al. **Prog Med Virol** 1990;37:56–71 (72 ref.)

New picornavirus vaccines for hepatitis A, and lessons from the control of poliomyelitis by the prototype picornavirus vaccines. Melnick JL. **Prog Med Virol** 1990;37:47–55 (72 ref.)

[Hepatitis A, B, C, ...: current developments] Lavanchy D. **Rev Med Suisse Romande** 1991 Mar;111(3):199–203 (27 ref.) **(Fre)**

THERAPY

Review article: the management of hepatitis A, B, D and non-A non-B. Dusheiko GM. **Aliment Pharmacol Ther** 1989 Feb;3(1):1–20 (43 ref.)

HEPATITIS A VIRUS

Hepatitis A virus and hepatitis A infection. Ross BC, et al. **Adv Virus Res** 1991;39:209–53 (188 ref.)

IMMUNOLOGY

Vaccines against hepatitis A and B. Zuckerman AJ. **Baillieres Clin Gastroenterol** 1990 Sep;4(3):775–88 (28 ref.)

Prophylactic treatment regimens for the prevention of hepatitis A. Current concepts. Kendall BJ, et al. **Drugs** 1991 Jun;41(6):883–8 (39 ref.)

Inactivated candidate vaccines for hepatitis A. André FE, et al. **Prog Med Virol** 1990;37:72–95 (54 ref.)

Prospects for a hepatitis A virus vaccine. Flehmig B, et al. **Prog Med Virol** 1990;37:56–71 (72 ref.)

HEPATITIS, ALCOHOLIC

Alcoholic hepatitis: pathogenesis and approaches to treatment. Maddrey WC. **Scand J Gastroenterol Suppl** 1990; 175:118–30 (119 ref.)

COMPLICATIONS

High mortality among patients with the leukemoid reaction and alcoholic hepatitis. Mitchell RG, et al. **South Med J** 1991 Feb;84(2):281–2 (10 ref.)

DRUG THERAPY

[Corticoid therapy in the treatment of acute alcoholic hepatitis. Results of a meta-analysis] Daures JP, et al. **Gastroenterol Clin Biol** 1991;15(3):223–8 (27 ref.) (Eng. Abstr.) **(Fre)**

[Should corticosteroids be used in the treatment of alcoholic hepatitis? (editorial)] Mincis M. **Rev Paul Med** 1990 May–Jun;108(3):99–101 (16 ref.) **(Por)**

ETIOLOGY

Alcoholic liver disease. Groover JR. **Emerg Med Clin North Am** 1990 Nov;8(4):887–902 (138 ref.)

METABOLISM

Interaction of alcohol with other drugs and nutrients. Implication for the therapy of alcoholic liver disease. Lieber CS. **Drugs** 1990;40 Suppl 3:23–44 (212 ref.)

PATHOLOGY

Cellular intermediate filament networks and their derangement in alcoholic hepatitis. Worman HJ. **Alcohol Clin Exp Res** 1990 Dec;14(6):789–804 (248 ref.)

HEPATITIS ANTIBODIES

ANALYSIS

Blood-borne non-A, non-B hepatitis: hepatitis C. Genesca J, et al. **Semin Liver Dis** 1991 May;11(2):147–64 (232 ref.)

Non-A, non-B hepatitis and the anti-HCV assay. Barbara JA, et al. **Vox Sang** 1991;60(1):1–7 (33 ref.)

[Anti-HVC antibodies and raw-material plasma: reflections and strategy] Avenard G, et al. **Rev Fr Transfus Hemobiol** 1990 Oct;33(5):351–4 (12 ref.) **(Fre)**

[Anti-HCV antibodies and transfusion recipients. Bibliographic data and current knowledge] Couroucé AM. **Rev Fr Transfus Hemobiol** 1990 Oct;33(5):335–8 (9 ref.) **(Fre)**

[Intrafamilial transmission of hepatitis C virus] Ohta Y, et al. **Nippon Rinsho** 1991 Feb;49(2):366–71 (18 ref.) **(Jpn)**

IMMUNOLOGY

[Incidence of hepatitis C virus antibodies in blood donors, high risk patient groups, liver diseases and health professionals. Multicenter study of the ABBOT ELISA method, comparison with the ORTHO test] Pár A. **Orv Hetil** 1991 May 5;132(18):955–9 (19 ref.) (Eng. Abstr.) **(Hun)**

ISOLATION & PURIFICATION

[Non-A, Non-B hepatitis: advances in diagnosis and therapy] Bühler H. **Schweiz Med Wochenschr** 1991 May 18; 121(20):721–6 (51 ref.) (Eng. Abstr.) **(Ger)**

HEPATITIS B

The hepatitis B virus. Brown JL, et al. **Baillieres Clin Gastroenterol** 1990 Sep;4(3):721–47 (127 ref.)

Hepatitis B. Current status in dentistry. Cottone JA. **Dent Clin North Am** 1991 Apr;35(2):269–82 (50 ref.)

Epidemiology, clinical course and treatment of chronic viral hepatitis. Stremmel W, et al. **Hepatogastroenterology** 1991 Feb;38(1):22–8 (35 ref.)

The global challenge of hepatitis B: implications for dentistry. Cottone JA. **Int Dent J** 1991 Jun;41(3):131–41 (56 ref.)

Hepatitis 1990. Gitnick G. **Scand J Gastroenterol Suppl** 1990; 175:113–7 (30 ref.)

[Viral hepatitis b. Immunology and pathogenesis] Cristina G, et al. **Boll Ist Sieroter Milan** 1989;68(3):289–95 (49 ref.) **(Ita)**

COMPLICATIONS

Hepatitis B virus related hepatocellular carcinoma: chronicity of infection--the opening to different pathways of malignant transformation? Schröder CH, et al. **Biochim Biophys Acta** 1990 Dec 11;1032(2–3):137–56 (174 ref.)

Cellular and molecular mechanisms of hepatocarcinogenesis associated with hepadnavirus infection. Rogler CE. **Curr Top Microbiol Immunol** 1991;168:103–40 (143 ref.)

Other virus infections in AIDS. IV. AIDS and hepatitis B virus infection. Vyas GN. **Immunol Ser** 1989;44:564–7 (15 ref.)

Factors influencing the natural course of HDV hepatitis. Bonino F, et al. **Prog Clin Biol Res** 1991;364:137–46 (21 ref.)

Hepatitis D virus and other chronic viral infections in high risk populations: interaction from an epidemiologic perspective. Stevens CE. **Prog Clin Biol Res** 1991;364:361–4 (3 ref.)

Epidemiology of hepatitis delta virus and non-A, non-B hepatitis. Nordenfelt E. **Scand J Infect Dis Suppl** 1990; 69:49–53 (33 ref.)

Persistence of hepatitis B virus and establishment of delta virus infection. Nordenfelt E. **Scand J Infect Dis Suppl** 1990;69:121–4 (21 ref.)

[Hepatitis B virus and primary glomerulonephritis] Liu ZH, et al. **Chung Hua Nei Ko Tsa Chih** 1990 Sep;29(9):522–5 (21 ref.) **(Chi)**

[Hepatitis B and primary cancer of the liver: recent data on the role of B virus in oncogenesis] Buendia MA. **Pathol Biol (Paris)** 1991 Feb;39(2):157–60 (40 ref.) (Eng. Abstr.) **(Fre)**

[Glomerulonephritis and hepatitis B virus infection] Klingel R, et al. **Dtsch Med Wochenschr** 1990 Nov 23; 115(47):1803–8 (50 ref.) **(Ger)**

[The association of hepatitis-B-virus infection and hepatocellular carcinoma] Reimer K, et al. **Z Arztl Fortbild (Jena)** 1991 Mar 25;85(6):246–51 (44 ref.) **(Ger)**

CONGENITAL

Perinatal transmission of hepatitis B virus infection: a recommended strategy for prevention and control. A review. Ramia S, et al. **Br J Obstet Gynaecol** 1991 Feb; 98(2):141–6 (70 ref.)

DIAGNOSIS

Viral hepatitis A to E. An update. Hallam A, et al. **Aust Fam Physician** 1991 Jun;20(6):760, 762–3, 766–70 (30 ref.)

Detection of viruses using hybridization techniques. Harrison TJ. **J Hosp Infect** 1991 Jun;18 Suppl A:159–63 (8 ref.)

Serologic diagnosis of acute and chronic viral hepatitis. Hoofnagle JH, et al. **Semin Liver Dis** 1991 May;11(2):73–83 (64 ref.)

[The HBsAG negative, anti-HBc/anti-HBS positive patient] Blum HE, et al. **Internist (Berl)** 1991 May;32(5):262–6 (28 ref.) **(Ger)**

[Hepatitis B virus DNA. Current diagnosis in children with chronic hepatitis B] Wirth S, et al. **Monatsschr Kinderheilkd** 1991 Apr;139(4):202–7 (31 ref.) (Eng. Abstr.) **(Ger)**

[Genetic probes and their application to the diagnosis of hepatitis B] Maroto Vela MC. **An R Acad Nac Med (Madr)** 1990;107(3):443–58 (50 ref.) **(Spa)**

DRUG THERAPY

Development of antiviral therapy for chronic infection with hepatitis B virus. Marion PL. **Curr Top Microbiol Immunol** 1991;168:167–83 (85 ref.)

Therapy of chronic viral hepatitis. Main J. **J Hosp Infect** 1991 Jun;18 Suppl A:335–40 (27 ref.)

[Antiviral preparations in the therapy of chronic viral hepatitis] Geller LI. **Ter Arkh** 1990;62(11):15–9 (45 ref.) (Eng. Abstr.) **(Rus)**

[Current status of treatment of chronic hepatitis B] Cital Zamora JL, et al. **Rev Gastroenterol Mex** 1990 Oct–Dec; 55(4):243–8 (47 ref.) **(Spa)**

EPIDEMIOLOGY

Hepatitis B epidemiology and prevention. Shapiro CN, et al. **Epidemiol Rev** 1990;12:221–7 (78 ref.)

Hepatitis B and HIV infections in dental professionals: effectiveness of infection control procedures. Noble MA, et al. **J Can Dent Assoc** 1991 Jan;57(1):55–8 (26 ref.)

Disinfection and endoscopy: the clinical risks of infection. Cowen AE. **J Gastroenterol Hepatol** 1991 Jan–Feb; 6(1):25–30 (104 ref.)

HDV infection in the Western Pacific region. Dimitrakakis M, et al. **Prog Clin Biol Res** 1991;364:89–96 (9 ref.)

Hepatitis delta in South America and especially in the Amazon region. Gayotto LC. **Prog Clin Biol Res** 1991; 364:123–35 (34 ref.)

Hepatitis B and delta hepatitis infection in Peru. Sjogren MH, et al. **Prog Clin Biol Res** 1991;364:97–104 (14 ref.)

The role of hepatitis D virus in liver disease in the Middle East. Toukan AU, et al. **Prog Clin Biol Res** 1991;364:63–8 (11 ref.)

Epidemiology of hepatitis B virus (HBV) infections with particular regard to current routes of transmission and development of cirrhosis and malignancy. Norkrans G. **Scand J Infect Dis Suppl** 1990;69:43–7 (22 ref.)

Hepatitis B: evolving epidemiology and implications for control. Margolis HS, et al. **Semin Liver Dis** 1991 May; 11(2):84–92 (88 ref.)

[Hepatitis B virus in schools; a risk?] Versteegh FG, et al. **Ned Tijdschr Geneeskd** 1991 Mar 23;135(12):508–11 (41 ref.) **(Dut)**

[The danger of viral hepatitis involvement in hemophilia patients] Epifanov NS. **Ter Arkh** 1990;62(11):135–7 (40 ref.) **(Rus)**

[The epidemiology of hepatitis B in Spain] Bruguera M, et al. **Med Clin (Barc)** 1990 Oct 13;95(12):470–5 (93 ref.) **(Spa)**

[Retrospective review of the prevalence of hepatitis B virus in several population groups] Salom I, et al. **Rev Biol Trop** 1990 Jun;38(1):83–6 (20 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

[Transfusion-transmitted infections] Sugg U. **Anasthesiol Intensivmed Notfallmed Schmerzther** 1991 Jun; 26(4):214–5 (9 ref.) **(Ger)**

GENETICS

[The hepatitis delta virus] Roingeard P, et al. **Gastroenterol Clin Biol** 1991;15(5):428–36 (99 ref.) **(Fre)**

[Genetic variability of hepatitis B virus: relationship with pathogenicity (editorial)] Zarski JP, et al. **Gastroenterol Clin Biol** 1991;15(4):277–9 (24 ref.) **(Fre)**

IMMUNOLOGY

Immunopathology of chronic viral hepatitis. Desmet VJ. **Hepatogastroenterology** 1991 Feb;38(1):14–21 (136 ref.)

Interactions of hepatitis B virus with hepatocytes: mechanism and clinical relevance. Theilmann L, et al. **Hepatogastroenterology** 1991 Feb;38(1):10–3 (58 ref.)
Serological perspectives on hepatitis B and D [editorial] Shattock AG. **Int J STD AIDS** 1990 Sep;1(5):321–7 (32 ref.)
Cellular immune responses to hepatitis B virus antigens in man. Sylvan SP. **Liver** 1991 Feb;11(1):1–23 (255 ref.)
Immunogenicity of low-dose intradermal recombinant DNA hepatitis B vaccine. Parish DC, et al. **South Med J** 1991 Apr;84(4):426–30 (37 ref.)
[Biological and clinical significance of pre-S antigens and corresponding antibodies in hepatitis B virus infection] Budkowska A, et al. **Gastroenterol Clin Biol** 1990; 14(11):861–7 (50 ref.) **(Fre)**
[Hepatitis B—aspects of research] Mikhailov MI. **Vopr Virusol** 1990 Jul–Aug;35(4):268–79 (108 ref.) **(Rus)**
[Vaccines against the hepatitis B virus. The outstanding problems] Carreño V, et al. **Rev Clin Esp** 1990 Oct; 187(5):247–8 (17 ref.) **(Spa)**

METABOLISM

Metabolic activation of food hepatocarcinogens in hepatitis B virus-infected humans and animals. De Flora S, et al. **Prog Clin Biol Res** 1990;347:167–82 (35 ref.)

MICROBIOLOGY

The detection of hepatitis B virus (HBV) in HBsAG negative individuals with primary liver cancer. Paterlini P, et al. **Dig Dis Sci** 1991 Aug;36(8):1122–9 (39 ref.)
Animal models in Hepadna viruses. Mehrotra R, et al. **Indian J Pathol Microbiol** 1990 Jul;33(3):288–98 (54 ref.)
[Fulminant hepatitis B and mutant virus] Omata M, et al. **Nippon Rinsho** 1991 Jun;49(6):1442–8 (14 ref.) **(Jpn)**
[Delta hepatitis] Nikiforov ND, et al. **Sov Med** 1991;(1):32–5 (49 ref.) **(Rus)**

MORTALITY

[Hepatitis B and risk in insurance medicine] Grenz D. **Versicherungsmedizin** 1990 Dec 1;42(6):165–70 (20 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Liver structure, function, and anatomy: effects of hepatitis B virus. Israel J, et al. **Curr Top Microbiol Immunol** 1991; 168:1–20 (54 ref.)
Immunopathology of chronic viral hepatitis. Desmet VJ. **Hepatogastroenterology** 1991 Feb;38(1):14–21 (136 ref.)
Immunology and the liver. Peters M, et al. **Hepatology** 1991 May;13(5):977–94 (114 ref.)

PHYSIOPATHOLOGY

The hepatitis B virus and the host response. Thomas HC. **J Hepatol** 1990;11 Suppl 1:S83–9 (42 ref.)

PREVENTION & CONTROL

Biological safety cabinetry. Kruse RH, et al. **Clin Microbiol Rev** 1991 Apr;4(2):207–41 (224 ref.)
Therapeutic advances in the prevention of hepatitis B: yeast-derived recombinant hepatitis B vaccines. Garrison MW, et al. **DICP** 1991 Jun;25(6):617–27 (61 ref.)
Intradermal hepatitis B vaccination. Rivey MP, et al. **DICP** 1991 Jun;25(6):628–34 (43 ref.)
Methods to reduce intraoperative transmission of blood-borne disease. Hester RA, et al. **J Bone Joint Surg [Am]** 1991 Aug;73(7):1108–11 (47 ref.)
Subunit, recombinant and synthetic hepatitis B vaccines. Zuckerman AJ. **Microbiol Sci** 1985 May;2(5):129–30, 133–8 (39 ref.)
Public health control of HBV: worldwide HBV vaccination programme. Gust I. **Prog Clin Biol Res** 1991;364:333–42 (7 ref.)
Hepatitis B: evolving epidemiology and implications for control. Margolis HS, et al. **Semin Liver Dis** 1991 May; 11(2):84–92 (88 ref.)
[Current status of the use of domestic hematologic hepatitis B vaccine] Wang G. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1990 Jul; 24(4):238–40 (23 ref.) **(Chi)**
[Hepatitis A, B, C, ...: current developments] Lavanchy D. **Rev Med Suisse Romande** 1991 Mar;111(3):199–203 (27 ref.) **(Fre)**
[Hepatitis B protective inoculation. The problem of inadequate anti-HB production] Dennhöfer L. **Dtsch Med Wochenschr** 1990 Oct 12;115(41):1560–5 (50 ref.) **(Ger)**
[Hepatitis B virus infection and pregnancy: diagnostic screening and immune prevention] Gerken G, et al. **Gynakologe** 1991 Jun;24(3):125–8 (20 ref.) **(Ger)**
[Hepatitis B at an open institution for the mentally retarded. Immunogenic effect of a recombinant anti-hepatitis-B vaccine] García O, et al. **Enferm Infecc Microbiol Clin** 1990 Mar;8(3):148–52 (39 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Review article: the management of hepatitis A, B, D and non-A non-B. Dusheiko GM. **Aliment Pharmacol Ther** 1989 Feb;3(1):1–20 (43 ref.)
Treatment of chronic viral hepatitis. de Man RA, et al. **Dig Dis** 1991;9(1):17–35 (136 ref.)
Interferons in chronic viral hepatitis. Müller R. **Hepatogastroenterology** 1991 Feb;38(1):4–9 (83 ref.)
Alpha-interferon therapy of chronic hepatitis B. Current status and recommendations. Hoofnagle JH. **J Hepatol** 1990;11 Suppl 1:S100–7 (33 ref.)
Interferon as treatment for viral hepatitis: a progress report. Lee WM. **J S C Med Assoc** 1990 Aug;86(8):440–4 (10 ref.)
[Current view on the anti-hepatitis B therapy] Guan P, et al. **Chung Hua I Hsueh Tsa Chih** 1991 Apr;71(4):234–8 (25 ref.) **(Chi)**
[Treatment of chronic hepatitis B and C with alpha interferon] Hess G. **Z Gastroenterol Verh** 1991 Mar; 26:149–51 (16 ref.) **(Ger)**

TRANSMISSION

The emergence of hepatitis B as a sexually transmitted disease. Alter MJ, et al. **Med Clin North Am** 1990 Nov; 74(6):1529–41 (62 ref.)
Antibodies to hepatitis B core antigen and the infectivity of the blood supply. Scientific Section Coordinating Committee [published erratum appears in Transfusion 1991 Sep;31(7):594] Dodd RY, et al. **Transfusion** 1991 Jun; 31(5):443–9 (50 ref.)
[Hepatitis B in children] Grosheide PM, et al. **Tijdschr Kindergeneeskd** 1990 Dec;58(6):203–11 (25 ref.) (Eng. Abstr.) **(Dut)**
[Problems of perinatal transmission of hepatitis B] Jährig D, et al. **Kinderarztl Prax** 1990 Aug;58(8):401–8 (54 ref.) (Eng. Abstr.) **(Ger)**
[Characteristics of intrafamilial transmission of the hepatitis B virus: a case load contribution and review of the literature] Aristegui J, et al. **Enferm Infecc Microbiol Clin** 1989 Jan;7(1):18–22 (32 ref.) (Eng. Abstr.) **(Spa)**

HEPATITIS B ANTIBODIES

ANALYSIS

Immunogenicity of low-dose intradermal recombinant DNA hepatitis B vaccine. Parish DC, et al. **South Med J** 1991 Apr;84(4):426–30 (37 ref.)
Antibodies to hepatitis B core antigen and the infectivity of the blood supply. Scientific Section Coordinating Committee [published erratum appears in Transfusion 1991 Sep;31(7):594] Dodd RY, et al. **Transfusion** 1991 Jun; 31(5):443–9 (50 ref.)
[The HBsAG negative, anti-HBc/anti-HBS positive patient] Blum HE, et al. **Internist (Berl)** 1991 May;32(5):262–6 (28 ref.) **(Ger)**
[Retrospective review of the prevalence of hepatitis B virus in several population groups] Salom I, et al. **Rev Biol Trop** 1990 Jun;38(1):83–6 (20 ref.) (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

[Hepatitis B at an open institution for the mentally retarded. Immunogenic effect of a recombinant anti-hepatitis-B vaccine] García O, et al. **Enferm Infecc Microbiol Clin** 1990 Mar;8(3):148–52 (39 ref.) (Eng. Abstr.) **(Spa)**

BLOOD

[Hepatitis B protective inoculation. The problem of inadequate anti-HB production] Dennhöfer L. **Dtsch Med Wochenschr** 1990 Oct 12;115(41):1560–5 (50 ref.) **(Ger)**
[Characteristics of intrafamilial transmission of the hepatitis B virus: a case load contribution and review of the literature] Aristegui J, et al. **Enferm Infecc Microbiol Clin** 1989 Jan;7(1):18–22 (32 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Cellular immune responses to hepatitis B virus antigens in man. Sylvan SP. **Liver** 1991 Feb;11(1):1–23 (255 ref.)

HEPATITIS B ANTIGENS

BLOOD

[Characteristics of intrafamilial transmission of the hepatitis B virus: a case load contribution and review of the literature] Aristegui J, et al. **Enferm Infecc Microbiol Clin** 1989 Jan;7(1):18–22 (32 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Immunopathology of chronic viral hepatitis. Desmet VJ. **Hepatogastroenterology** 1991 Feb;38(1):14–21 (136 ref.)
Immunogenetic analysis of the immune response to hepatitis B virus antigens. Milich DR. **Immunol Ser** 1989;43:523–60 (56 ref.)
Cellular immune responses to hepatitis B virus antigens in man. Sylvan SP. **Liver** 1991 Feb;11(1):1–23 (255 ref.)

HEPATITIS B CORE ANTIGENS

IMMUNOLOGY

Antibodies to hepatitis B core antigen and the infectivity of the blood supply. Scientific Section Coordinating Committee [published erratum appears in Transfusion 1991 Sep;31(7):594] Dodd RY, et al. **Transfusion** 1991 Jun; 31(5):443–9 (50 ref.)
[The HBsAG negative, anti-HBc/anti-HBS positive patient] Blum HE, et al. **Internist (Berl)** 1991 May;32(5):262–6 (28 ref.) **(Ger)**

HEPATITIS B SURFACE ANTIGENS

ANALYSIS

The detection of hepatitis B virus (HBV) in HBsAG negative individuals with primary liver cancer. Paterlini P, et al. **Dig Dis Sci** 1991 Aug;36(8):1122–9 (39 ref.)
[The HBsAG negative, anti-HBc/anti-HBS positive patient] Blum HE, et al. **Internist (Berl)** 1991 May;32(5):262–6 (28 ref.) **(Ger)**
[Diagnosis of hepatocellular carcinoma performed by searching for serologic tumor markers] de Oliveira e Silva A, et al. **Arq Gastroenterol** 1990 Apr–Jun;27(2):83–94 (123 ref.) (Eng. Abstr.) **(Por)**
[Retrospective review of the prevalence of hepatitis B virus in several population groups] Salom I, et al. **Rev Biol Trop** 1990 Jun;38(1):83–6 (20 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Interactions of hepatitis B virus with hepatocytes: mechanism and clinical relevance. Theilmann L, et al. **Hepatogastroenterology** 1991 Feb;38(1):10–3 (58 ref.)
Immune response to hepatitis B virus proteins: relevance of the murine model. Milich DR. **Semin Liver Dis** 1991 May; 11(2):93–112 (133 ref.)
[Biological and clinical significance of pre-S antigens and corresponding antibodies in hepatitis B virus infection] Budkowska A, et al. **Gastroenterol Clin Biol** 1990; 14(11):861–7 (50 ref.) **(Fre)**

METABOLISM

Hepatitis B surface antigen expressed in murine cells. Yoneyama T. **Prog Med Virol** 1990;37:223–45 (125 ref.)

HEPATITIS B VIRUS

The hepatitis B virus. Brown JL, et al. **Baillieres Clin Gastroenterol** 1990 Sep;4(3):721–47 (127 ref.)
Assembly of hepadnaviral virions and subviral particles. Ganem D. **Curr Top Microbiol Immunol** 1991;168:61–83 (140 ref.)
Blood protein derivative viral safety: observations and analysis. Horowitz B. **Yale J Biol Med** 1990 Sep–Oct; 63(5):361–9 (49 ref.)
[Viral hepatitis b. Immunology and pathogenesis] Cristina G, et al. **Boll Ist Sieroter Milan** 1989;68(3):289–95 (49 ref.) **(Ita)**
[Breakthrough in human hepatocellular carcinogenesis—from hepatitis B virus to hepatitis C virus] Nishioka K. **Gan To Kagaku Ryoho** 1991 Mar;18(3):327–36 (37 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

Analysis of hepadnavirus gene expression, biology, and pathogenesis in the transgenic mouse. Chisari FV. **Curr Top Microbiol Immunol** 1991;168:85–101 (61 ref.)
Transcriptional control of hepadnavirus gene expression. Schaller H, et al. **Curr Top Microbiol Immunol** 1991; 168:21–39 (69 ref.)
Viral DNA synthesis. Seeger C, et al. **Curr Top Microbiol Immunol** 1991;168:41–60 (85 ref.)
Hepatitis B virus as an insertional mutagene in a human hepatocellular carcinoma. Dejean A, et al. **Mol Biol Med** 1990 Jun;7(3):213–22 (35 ref.)
Integration of hepatitis B virus DNA and its implications for hepatocarcinogenesis. Matsubara K, et al. **Mol Biol Med** 1990 Jun;7(3):243–60 (106 ref.)
[Discovery and significance of core gene mutagenic strain of hepatitis B virus] Weng YM. **Chung Hua I Hsueh Tsa Chih** 1990 Nov;70(11):664–5 (7 ref.) **(Chi)**
[The hepatitis delta virus] Roingeard P, et al. **Gastroenterol Clin Biol** 1991;15(5):428–36 (99 ref.) **(Fre)**
[Genetic variability of hepatitis B virus: relationship with pathogenicity (editorial)] Zarski JP, et al. **Gastroenterol Clin Biol** 1991;15(4):277–9 (24 ref.) **(Fre)**
[Hepatitis B virus DNA. Current diagnosis in children with chronic hepatitis B] Wirth S, et al. **Monatsschr Kinderheilkd** 1991 Apr;139(4):202–7 (31 ref.) (Eng. Abstr.) **(Ger)**
[Fulminant hepatitis B and mutant virus] Omata M, et al. **Nippon Rinsho** 1991 Jun;49(6):1442–8 (14 ref.) **(Jpn)**

IMMUNOLOGY

Concepts of idiotype-based vaccines for hepatitis B virus and human immunodeficiency virus. Kennedy RC, et al. **Can J Microbiol** 1990 Nov;36(11):811–6 (31 ref.)

HEPATITIS B VIRUS

Interactions of hepatitis B virus with hepatocytes: mechanism and clinical relevance. Theilmann L, et al. **Hepatogastroenterology** 1991 Feb;38(1):10–3 (58 ref.)
Hepatitis B virus proteins eliciting protective immunity. Neurath AR, et al. **Microbiol Sci** 1987 Feb;4(2):45–51 (26 ref.)
Immune response to hepatitis B virus proteins: relevance of the murine model. Milich DR. **Semin Liver Dis** 1991 May; 11(2):93–112 (133 ref.)

ISOLATION & PURIFICATION

The detection of hepatitis B virus (HBV) in HBsAG negative individuals with primary liver cancer. Paterlini P, et al. **Dig Dis Sci** 1991 Aug;36(8):1122–9 (39 ref.)

PATHOGENICITY

Biological consequences of interactions between hepatitis B virus and human nonhepatic cellular genomes. Naumova AK, et al. **Biomed Sci** 1990 Mar;1(3):233–8 (43 ref.)

PHYSIOLOGY

Hepatitis delta: the virus and the disease. Rizzetto M. **J Hepatol** 1990;11 Suppl 1:S145–8 (20 ref.)
The hepatitis B virus and the host response. Thomas HC. **J Hepatol** 1990;11 Suppl 1:S83–9 (42 ref.)
Persistence of hepatitis B virus and establishment of delta virus infection. Nordenfelt E. **Scand J Infect Dis Suppl** 1990;69:121–4 (21 ref.)
Hepatitis B virus. Tiollais P, et al. **Sci Am** 1991 Apr; 264(4):116–23 (5 ref.)
Replication of hepatitis B and delta viruses: appearance of viral mutants. Foster GR, et al. **Semin Liver Dis** 1991 May; 11(2):121–7 (40 ref.)

HEPATITIS B VIRUS, DUCK

PHYSIOLOGY

Chronic hepadnavirus infections. Mason WS, et al. **Prog Clin Biol Res** 1991;364:235–42 (14 ref.)

HEPATITIS C see **HEPATITIS, VIRAL, NON-A, NON-B**

HEPATITIS C VIRUS

Blood protein derivative viral safety: observations and analysis. Horowitz B. **Yale J Biol Med** 1990 Sep–Oct; 63(5):361–9 (49 ref.)
[Hepatitis C virus. Identification and structural organization] Barin F. **Rev Fr Transfus Hemobiol** 1990 Oct;33(5):321–3 (4 ref.) **(Fre)**
[Advances in the research on non-A, non-B hepatitis: hepatitis C virus. Multicenter anti-HCV studies] Pár A. **Orv Hetil** 1990 Oct 21;131(42):2295–8 (19 ref.) (Eng. Abstr.) **(Hun)**
[Breakthrough in human hepatocellular carcinogenesis—from hepatitis B virus to hepatitis C virus] Nishioka K. **Gan To Kagaku Ryoho** 1991 Mar;18(3):327–36 (37 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

Descartes before the horse: I clone, therefore I am: the hepatitis C virus in current perspective. Alter HJ. **Ann Intern Med** 1991 Oct 15;115(8):644–9 (29 ref.)
Molecular biology of the hepatitis C viruses: implications for diagnosis, development and control of viral disease. Houghton M, et al. **Hepatology** 1991 Aug;14(2):381–8 (64 ref.)

IMMUNOLOGY

Blood-borne non-A, non-B hepatitis: hepatitis C. Genesca J, et al. **Semin Liver Dis** 1991 May;11(2):147–64 (232 ref.)
Non-A, non-B hepatitis and the anti-HCV assay. Barbara JA, et al. **Vox Sang** 1991;60(1):1–7 (33 ref.)
[Anti-HVC antibodies and raw-material plasma: reflections and strategy] Avenard G, et al. **Rev Fr Transfus Hemobiol** 1990 Oct;33(5):351–4 (12 ref.) **(Fre)**
[Anti-HCV antibodies and transfusion recipients. Bibliographic data and current knowledge] Couroucé AM. **Rev Fr Transfus Hemobiol** 1990 Oct;33(5):335–8 (9 ref.) **(Fre)**
[Non-A, Non-B hepatitis: advances in diagnosis and therapy] Bühler H. **Schweiz Med Wochenschr** 1991 May 18; 121(20):721–6 (51 ref.) (Eng. Abstr.) **(Ger)**
[The hepatitis C virus—principal causative agent in non-A, non-B hepatitis] Schaff Z, et al. **Orv Hetil** 1990 Sep 2; 131(35):1903–6 (28 ref.) (Eng. Abstr.) **(Hun)**
[Intrafamilial transmission of hepatitis C virus] Ohta Y, et al. **Nippon Rinsho** 1991 Feb;49(2):366–71 (18 ref.) **(Jpn)**

ISOLATION & PURIFICATION

Hepatitis C. A new virus for an old disease. Fitz JG. **N C Med J** 1991 Jan;52(1):4–6, 8 (21 ref.)
[Discovery of the hepatitis C virus] Trépo C, et al. **Presse Med** 1990 Oct 20;19(34):1582–6 (28 ref.) (Eng. Abstr.) **(Fre)**

PATHOGENICITY

The hepatitis C virus and its relationship to the clinical spectrum of NANB hepatitis. Alter HJ. **J Gastroenterol Hepatol** 1990;5 Suppl 1:78–94 (68 ref.)

PHYSIOLOGY

Hepatitis non-A, non-B viruses become identified as hepatitis C and E viruses. Bradley DW. **Prog Med Virol** 1990; 37:101–35 (75 ref.)

HEPATITIS, CHRONIC ACTIVE

The spectrum of chronic hepatitis in the last two decades in a university hospital for infectious diseases. Scevola D, et al. **Boll Ist Sieroter Milan** 1989;68(3):258–70 (31 ref.)
Autoimmune hepatitis: the realities and the uncertainties. Mackay IR. **Gastroenterol Jpn** 1991 Feb;26(1):102–8 (19 ref.)
Chronic hepatitis delta virus (HDV) infection. Gerken G, et al. **Hepatogastroenterology** 1991 Feb;38(1):29–32 (29 ref.)
Epidemiology, clinical course and treatment of chronic viral hepatitis. Stremmel W, et al. **Hepatogastroenterology** 1991 Feb;38(1):22–8 (35 ref.)

CLASSIFICATION

[Chronic hepatitis] Llosa R. **Rev Gastroenterol Peru** 1989; 9(1):41–53 (146 ref.) **(Spa)**

DIAGNOSIS

Clinical spectrum of chronic active liver disease (CALD). Schoenfield LJ. **Rev Invest Clin** 1976 Jul–Sep;28(3):235–43 (32 ref.)
[The HBsAG negative, anti-HBc/anti-HBS positive patient] Blum HE, et al. **Internist (Berl)** 1991 May;32(5):262–6 (28 ref.) **(Ger)**
[Hepatitis B virus DNA. Current diagnosis in children with chronic hepatitis B] Wirth S, et al. **Monatsschr Kinderheilkd** 1991 Apr;139(4):202–7 (31 ref.) (Eng. Abstr.) **(Ger)**
[Chronic hepatitis: current diagnostics and treatment in different etiologic factors] Glaumann H, et al. **Lakartidningen** 1991 Mar 27;88(13):1201–4 (19 ref.) **(Swe)**

DRUG THERAPY

Treatment of chronic liver disease with ursodeoxycholic acid. Guslandi M. **J Int Med Res** 1990 Nov–Dec;18(6):497–505 (73 ref.)
[Corticosteroids in the treatment of chronic active hepatitis] Laskus T, et al. **Pol Arch Med Wewn** 1990 Sep;84(3):150–6 (52 ref.) **(Pol)**
[Antiviral preparations in the therapy of chronic viral hepatitis] Geller LI. **Ter Arkh** 1990;62(11):15–9 (45 ref.) (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Chronic viral hepatitis—new data on its pathogenesis and treatment] Naumov N. **Vutr Boles** 1991;30(2):13–20 (13 ref.) **(Bul)**
[Chronic hepatitis—cause, pathogenesis, therapy] Wiedmann KH. **Internist (Berl)** 1991 May;32(5):267–76 (73 ref.) **(Ger)**

IMMUNOLOGY

Immunopathology of chronic viral hepatitis. Desmet VJ. **Hepatogastroenterology** 1991 Feb;38(1):14–21 (136 ref.)
Auto-immune chronic active hepatitis: a specific entity? The negative argument [see comments] Czaja AJ. **J Gastroenterol Hepatol** 1990 May–Jun;5(3):343–51 (81 ref.) Comment in: J Gastroenterol Hepatol 1990 May–Jun;5(3):360–1.
Auto-immune (lupoid) hepatitis: an entity in the spectrum of chronic active liver disease [see comments] Mackay IR. **J Gastroenterol Hepatol** 1990 May–Jun;5(3):352–9 (55 ref.) Comment in: J Gastroenterol Hepatol 1990 May–Jun;5(3):360–1.
[Serological studies in acute, chronic and autoimmune hepatitis] Joller-Jemelka HI. **Schweiz Med Wochenschr** 1991 May 11;121(19):693–700 (12 ref.) (Eng. Abstr.) **(Ger)**
[Molecular biology and pathophysiologic research] Meuer SC. **Verh Dtsch Ges Inn Med** 1990;96:438–41 (8 ref.) **(Ger)**

PATHOLOGY

Immunopathology of chronic viral hepatitis. Desmet VJ. **Hepatogastroenterology** 1991 Feb;38(1):14–21 (136 ref.)

THERAPY

Treatment of chronic viral hepatitis. de Man RA, et al. **Dig Dis** 1991;9(1):17–35 (136 ref.)
Interferon therapy in the chronic aggressive viral hepatitis. Voiculescu M. **Med Interne** 1990 Jul–Sep;28(3):187–98 (53 ref.)
[Treatment of chronic hepatitis caused by C and non-A, non-B virus (NANB)] Trepo C, et al. **Rev Fr Transfus Hemobiol** 1990 Oct;33(5):343–6 (10 ref.) **(Fre)**
[Therapy of chronic hepatitis] Blum HE. **Dtsch Med Wochenschr** 1990 Sep 21;115(38):1438–41 (16 ref.) **(Ger)**
[Therapy of chronic non-A, non-B hepatitis with interferon] Hess G. **Fortschr Med** 1991 Jan 20;109(2):33–4, 39–40 (19 ref.) (Eng. Abstr.) **(Ger)**
[Treatment of chronic hepatitis B and C with alpha interferon] Hess G. **Z Gastroenterol Verh** 1991 Mar; 26:149–51 (16 ref.) **(Ger)**

HEPATITIS D see **DELTA INFECTION**

HEPATITIS D VIRUS see **DELTA AGENT**

HEPATITIS, DELTA see **DELTA INFECTION**

HEPATITIS, INFECTIOUS see **HEPATITIS A**

HEPATITIS, TOXIC

COMPLICATIONS

[Cholestatic hepatitis induced by the amoxicillin–clavulanic acid combination. A case and review of the literature] Cleau D, et al. **Gastroenterol Clin Biol** 1990;14(12):1007–9 (24 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Hapten carrier conjugates associated with halothane hepatitis. Pohl LR, et al. **Adv Exp Med Biol** 1991;283:111–20 (50 ref.)
Diclofenac hepatitis. Sallie RW, et al. **Aust N Z J Med** 1991 Apr;21(2):251–5 (19 ref.)
Halothane hepatitis. Ray DC, et al. **Br J Anaesth** 1991 Jul; 67(1):84–99 (187 ref.)
Standardization of definitions and criteria of causality assessment of adverse drug reactions. Drug-induced liver disorders: report of an international consensus meeting. **Int J Clin Pharmacol Ther Toxicol** 1990 Aug;28(8):317–22 (13 ref.)
Ketoconazole-induced fulminant hepatitis necessitating liver transplantation. Knight TE, et al. **J Am Acad Dermatol** 1991 Aug;25(2 Pt 2):398–400 (23 ref.)
Carnitine, valproate, and toxicity [see comments] Coulter DL. **J Child Neurol** 1991 Jan;6(1):7–14 (55 ref.) Comment in: J Child Neurol 1991 Jan;6(1):3–6.
Hepatic toxicity of vitamin A and synthetic retinoids. Fallon MB, et al. **J Gastroenterol Hepatol** 1990 May–Jun; 5(3):334–42 (53 ref.)
Fatal acute liver failure associated with pirprofen. Report of a case and a review of the literature. Depla AC, et al. **Neth J Med** 1990 Aug;37(1–2):32–6 (12 ref.)
Molecular mechanisms of the hepatotoxicity caused by acetaminophen. Nelson SD. **Semin Liver Dis** 1990 Nov; 10(4):267–78 (197 ref.)
Drug-induced allergic hepatitis. Pohl LR. **Semin Liver Dis** 1990 Nov;10(4):305–15 (106 ref.)
Status of calcium and thiols in hepatocellular injury by oxidative stress. Reed DJ. **Semin Liver Dis** 1990 Nov; 10(4):285–92 (104 ref.)
Role of cytochromes P450 in drug metabolism and hepatotoxicity. Watkins PB. **Semin Liver Dis** 1990 Nov; 10(4):235–50 (176 ref.)
Carbon tetrachloride hepatotoxicity: an example of free radical-mediated injury. Williams AT, et al. **Semin Liver Dis** 1990 Nov;10(4):279–84 (57 ref.)
Update of hepatotoxicity due to classes of drugs in common clinical use: non-steroidal drugs, anti-inflammatory drugs, antibiotics, antihypertensives, and cardiac and psychotropic agents. Zimmerman HJ. **Semin Liver Dis** 1990 Nov; 10(4):322–38 (172 ref.)
Unusual complications of antithyroid drug therapy: four case reports and review of literature. Baker B, et al. **Thyroidol Clin Exp** 1989 Apr;1(1):17–26 (88 ref.)
[New aspects of drug hepatotoxicity] Denjean P, et al. **Ann Gastroenterol Hepatol (Paris)** 1990 Dec;26(7):293–8 (35 ref.) (Eng. Abstr.) **(Fre)**
[Hepatotoxicity of antimicrobial agents. I: Antibacterial antibiotics] Horsmans Y, et al. **Gastroenterol Clin Biol** 1990; 14(12):911–8 (92 ref.) **(Fre)**
[Hepatotoxicity of antimicrobial agents. II: Urinary antiseptics, antitubercular agents, antiparasitic agents, antifungal agents, antiviral agents] Horsmans Y, et al. **Gastroenterol Clin Biol** 1990;14(12):919–24 (65 ref.) **(Fre)**
[Amiodarone-induced hepatitis: biological, histological diagnosis, development and role of associated factors. Review of the literature. Report of 2 cases] Roche JF, et al. **Rev Med Interne** 1989 Nov–Dec;10(6):497–501 (23 ref.) (Eng. Abstr.) **(Fre)**
[Jaundice caused by rifampicin: 3 cases] Taillan B, et al. **Rev Med Interne** 1989 Sep–Oct;10(5):409–11 (19 ref.) (Eng. Abstr.) **(Fre)**
[Fatal hepatic necrosis due to a treatment course of rheumatoid arthritis with gold salts] Van Linthoudt D, et al. **Schweiz Med Wochenschr** 1991 Jul 27;121(30):1099–102 (38 ref.) (Eng. Abstr.) **(Fre)**
[Acute fatal liver insufficiency due to valproic acid therapy] Binek J, et al. **Schweiz Med Wochenschr** 1991 Feb 16; 121(7):228–33 (39 ref.) (Eng. Abstr.) **(Ger)**
[Oral contraceptive and hepatic effects] Tarantino G, et al. **Riv Eur Sci Med Farmacol** 1990 Jun;12(3):165–8 (17 ref.) (Eng. Abstr.) **(Ita)**

[Toxic properties of acrylamide (review of the literature)] Sheftel' VO. **Gig Sanit** 1990 Aug;(8):48–50 (31 ref.) **(Rus)**

[Mixed hepatopathy due to parenteral gold salts] González Pérez JA, et al. **An Med Interna** 1990 Sep;7(9):477–9 (21 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

Oxidative injury mediated by the hepatic cytochrome P-450 system in conjunction with cellular iron. Effects on the pathway of haem biosynthesis. Smith AG, et al. **Xenobiotica** 1990 Sep;20(9):865–77 (60 ref.)

PATHOLOGY

Nonparenchymal cells and hepatotoxicity. Laskin DL. **Semin Liver Dis** 1990 Nov;10(4):293–304 (205 ref.)

PHYSIOPATHOLOGY

The molecular basis of halothane-induced hepatitis. Kenna JG. **Biochem Soc Trans** 1991 Feb;19(1):191–5 (21 ref.)

PREVENTION & CONTROL

Valproate toxicity: risk-screening strategies [editorial; comment] Willmore LJ, et al. **J Child Neurol** 1991 Jan; 6(1):3–6 (47 ref.) Comment on: J Child Neurol 1991 Jan;6(1):7–14.

HEPATITIS, VIRAL, ANIMAL

Experimental hepatitis delta virus infection in the animal model. Ponzetto A, et al. **Prog Clin Biol Res** 1991; 364:147–57 (28 ref.)

IMMUNOLOGY

Background paper. On the role of the immune response in the course of coronavirus JHM-induced encephalomyelitides in mice and rats. Dörries R. **Adv Exp Med Biol** 1990;276:623–7 (30 ref.)

T cell-mediated clearance of JHMV from the central nervous system. Williamson J, et al. **Adv Exp Med Biol** 1990; 276:557–63 (16 ref.)

Dendritic cells and the liver. van den Oord JJ, et al. **APMIS Suppl** 1991;23:68–76 (74 ref.)

MICROBIOLOGY

Animal models in Hepadna viruses. Mehrotra R, et al. **Indian J Pathol Microbiol** 1990 Jul;33(3):288–98 (54 ref.)

Chronic hepadnavirus infections. Mason WS, et al. **Prog Clin Biol Res** 1991;364:235–42 (14 ref.)

PHYSIOPATHOLOGY

Background paper. Advances in the study of MHV infection of mice. Kyuwa S, et al. **Adv Exp Med Biol** 1990;276:555–6 (22 ref.)

HEPATITIS, VIRAL, HUMAN

[Current status and perspective of the research in viral hepatitis] Tian G. **Chung Hua I Hsueh Tsa Chih** 1990 Nov; 70(11):603 (0 ref.) **(Chi)**

[Recent acquisitions on viral hepatitis] Resti M, et al. **Pediatr Med Chir** 1990 May-Jun;12(3):217–22 (61 ref.) (Eng. Abstr.) **(Ita)**

[AIDS, hepatitis and anesthesiology] Bergman H. **Anesteziol Reanimatol** 1991 Jan-Feb;(1):37–42 (0 ref.) **(Rus)**

COMPLICATIONS

Hepadnaviruses, their infections and hepatocellular carcinoma. Bukhari SS, et al. **JPMA** 1990 Dec;40(12):300–6 (44 ref.)

[Treatment of acute hepatic failure] Paczkowski PM, et al. **Pol Arch Med Wewn** 1990 Sep;84(3):157–65 (0 ref.) **(Pol)**

DIAGNOSIS

Viral hepatitis A to E. An update. Hallam A, et al. **Aust Fam Physician** 1991 Jun;20(6):760, 762–3, 766–70 (30 ref.)

Viral hepatitis. The new ABC's. Ergun GA, et al. **Postgrad Med** 1990 Oct;88(5):69–76 (5 ref.)

[Viral hepatitis type C, D and E: virologic diagnosis, epidemiology and clinical course] Hess G. **Internist (Berl)** 1991 May;32(5):244–8 (16 ref.) **(Ger)**

[Diagnosis and therapy of viral hepatitis] Furuta S. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):415–8 (3 ref.) **(Jpn)**

[Chronic hepatitis: current diagnostics and treatment in different etiologic factors] Glaumann H, et al. **Lakartidningen** 1991 Mar 27;88(13):1201–4 (19 ref.) **(Swe)**

DRUG THERAPY

Herpes simplex virus hepatitis in pregnancy. Two patients successfully treated with acyclovir. Klein NA, et al. **Gastroenterology** 1991 Jan;100(1):239–44 (22 ref.)

[Corticosteroids in the treatment of chronic active hepatitis] Laskus T, et al. **Pol Arch Med Wewn** 1990 Sep;84(3):150–6 (52 ref.) **(Pol)**

ETIOLOGY

Pathogenesis of viral hepatitis. Wright R. **Baillieres Clin Gastroenterol** 1990 Sep;4(3):695–705 (67 ref.)

[Research on the etiopathogenesis and seroepidemiology of viral hepatitis] Babeş VT. **Rev Roum Virol** 1990 Jul-Dec; 41(3-4):213–25 (100 ref.) **(Fre)**

IMMUNOLOGY

Dendritic cells and the liver. van den Oord JJ, et al. **APMIS Suppl** 1991;23:68–76 (74 ref.)

[Serological studies in acute, chronic and autoimmune hepatitis] Joller-Jemelka HI. **Schweiz Med Wochenschr** 1991 May 11;121(19):693–700 (12 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Prevention and treatment of viral hepatitis. Black M. **Compr Ther** 1990 Aug;16(8):60–6 (21 ref.)

Prevention and therapy of viral hepatitis. Katkov WN, et al. **Semin Liver Dis** 1991 May;11(2):165–74 (80 ref.)

[Active and passive prevention of viral hepatitis] Jilg W. **Internist (Berl)** 1991 May;32(5):249–55 (30 ref.) **(Ger)**

THERAPY

Viral hepatitis. Silver FM, et al. **Am J Otol** 1991 Mar; 12(2):150–5 (50 ref.)

Management of chronic viral hepatitis: focus on INTRON A (interferon alfa-2b). Monte-Carlo, 8–9 December 1989. Introduction. **J Hepatol** 1990;11 Suppl 1:S1–2 (0 ref.)

Prevention and therapy of viral hepatitis. Katkov WN, et al. **Semin Liver Dis** 1991 May;11(2):165–74 (80 ref.)

[Prognosis and treatment of chronic viral hepatitis] Klotz F, et al. **Med Trop (Mars)** 1991 Jan-Mar;51(1):15–28 (76 ref.) (Eng. Abstr.) **(Fre)**

TRANSMISSION

Transmission of hepatitis and AIDS: risks for the anaesthetist and the patient. Trépanier CA. **Can J Anaesth** 1991 May; 38(4 Pt 2):R98–104 (32 ref.) **(Eng, Fre)**

HEPATITIS, VIRAL, NON-A, NON-B

Hepatitis C, D and E virus infection. Sheron N, et al. **Baillieres Clin Gastroenterol** 1990 Sep;4(3):749–74 (120 ref.)

Epidemiology, clinical course and treatment of chronic viral hepatitis. Stremmel W, et al. **Hepatogastroenterology** 1991 Feb;38(1):22–8 (35 ref.)

Hepatitis 1990. Gitnick G. **Scand J Gastroenterol Suppl** 1990; 175:113–7 (30 ref.)

Blood-borne non-A, non-B hepatitis: hepatitis C. Genesca J, et al. **Semin Liver Dis** 1991 May;11(2):147–64 (232 ref.)

[Advance in the research on non-A non-B hepatitis] Zhuang H. **Chung Hua I Hsueh Tsa Chih** 1990 Nov;70(11):666–7 (0 ref.) **(Chi)**

[Clinical aspects of infection by non-A, non-B hepatitis (C) virus] Benhamou JP, et al. **Rev Fr Transfus Hemobiol** 1990 Oct;33(5):317–9 (8 ref.) **(Fre)**

[Non-A, non-B hepatitis: hepatitis C] de Moura MC. **Acta Med Port** 1990 Jul-Aug;3(4):209–12 (20 ref.) (Eng. Abstr.) **(Por)**

COMPLICATIONS

Hepatitis D virus and other chronic viral infections in high risk populations: interaction from an epidemiologic perspective. Stevens CE. **Prog Clin Biol Res** 1991;364:361–4 (3 ref.)

[Breakthrough in human hepatocellular carcinogenesis--from hepatitis B virus to hepatitis C virus] Nishioka K. **Gan To Kagaku Ryoho** 1991 Mar;18(3):327–36 (37 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Molecular biology of the hepatitis C viruses: implications for diagnosis, development and control of viral disease. Houghton M, et al. **Hepatology** 1991 Aug;14(2):381–8 (64 ref.)

Parenterally acquired non-A non-B hepatitis ten years on: advances in diagnosis and therapy. Jacyna MR, et al. **Postgrad Med J** 1990 Dec;66(782):1000–4 (37 ref.)

Serologic diagnosis of acute and chronic viral hepatitis. Hoofnagle JH, et al. **Semin Liver Dis** 1991 May;11(2):73–83 (64 ref.)

Non-A, non-B hepatitis and the anti-HCV assay. Barbara JA, et al. **Vox Sang** 1991;60(1):1–7 (33 ref.)

[Biological diagnosis of non-A, non-B virus infections from parenteral transfusion and/or sporadic cases] Bréchot C. **Rev Fr Transfus Hemobiol** 1990 Oct;33(5):325–33 (0 ref.) **(Fre)**

[Hepatitis A, B, C, ...: current developments] Lavanchy D. **Rev Med Suisse Romande** 1991 Mar;111(3):199–203 (27 ref.) **(Fre)**

[Diagnosis and epidemiology of hepatitis C] Hofmann H. **Acta Med Austriaca** 1990;17(5):104–7 (23 ref.) (Eng. Abstr.) **(Ger)**

[Viral hepatitis type C, D and E: virologic diagnosis, epidemiology and clinical course] Hess G. **Internist (Berl)** 1991 May;32(5):244–8 (16 ref.) **(Ger)**

[Non-A, Non-B hepatitis: advances in diagnosis and therapy] Bühler H. **Schweiz Med Wochenschr** 1991 May 18; 121(20):721–6 (51 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

[Antiviral preparations in the therapy of chronic viral hepatitis] Geller LI. **Ter Arkh** 1990;62(11):15–9 (45 ref.) (Eng. Abstr.) **(Rus)**

EPIDEMIOLOGY

Epidemic virus E hepatitis. Tandon BN, et al. **Gastroenterol Jpn** 1991 Jul;26 Suppl 3:133–4 (15 ref.)

Epidemiology of hepatitis E in China. Zhuang H, et al. **Gastroenterol Jpn** 1991 Jul;26 Suppl 3:135–8 (27 ref.)

Enteric non-A, non-B hepatitis in India. Gupta H, et al. **J Gastroenterol Hepatol** 1990 May-Jun;5(3):288–95 (36 ref.)

Epidemiology of hepatitis delta virus and non-A, non-B hepatitis. Nordenfelt E. **Scand J Infect Dis Suppl** 1990; 69:49–53 (33 ref.)

Non-A, non-B hepatitis. Dewar TN. **West J Med** 1990 Aug; 153(2):173–9 (67 ref.)

[Discovery of the hepatitis C virus] Trépo C, et al. **Presse Med** 1990 Oct 20;19(34):1582–6 (28 ref.) (Eng. Abstr.) **(Fre)**

[The danger of viral hepatitis involvement in hemophilia patients] Epifanov NS. **Ter Arkh** 1990;62(11):135–7 (40 ref.) **(Rus)**

ETIOLOGY

[Transfusion-transmitted infections] Sugg U. **Anasthesiol Intensivmed Notfallmed Schmerzther** 1991 Jun; 26(4):214–5 (9 ref.) **(Ger)**

IMMUNOLOGY

[Incidence of hepatitis C virus antibodies in blood donors, high risk patient groups, liver diseases and health professionals. Multicenter study of the ABBOT ELISA method, comparison with the ORTHO test] Pár A. **Orv Hetil** 1991 May 5;132(18):955–9 (19 ref.) (Eng. Abstr.) **(Hun)**

MICROBIOLOGY

Epidemic virus E hepatitis. Tandon BN, et al. **Gastroenterol Jpn** 1991 Jul;26 Suppl 3:133–4 (15 ref.)

The hepatitis C virus and its relationship to the clinical spectrum of NANB hepatitis. Alter HJ. **J Gastroenterol Hepatol** 1990;5 Suppl 1:78–94 (68 ref.)

Hepatitis C. A new virus for an old disease. Fitz JG. **N C Med J** 1991 Jan;52(1):4–6, 8 (21 ref.)

Hepatitis non-A, non-B viruses become identified as hepatitis C and E viruses. Bradley DW. **Prog Med Virol** 1990; 37:101–35 (75 ref.)

[Advances in the research on non-A, non-B hepatitis: hepatitis C virus. Multicenter anti-HCV studies] Pár A. **Orv Hetil** 1990 Oct 21;131(42):2295–8 (19 ref.) (Eng. Abstr.) **(Hun)**

[The hepatitis C virus--principal causative agent in non-A, non-B hepatitis] Schaff Z, et al. **Orv Hetil** 1990 Sep 2; 131(35):1903–6 (28 ref.) (Eng. Abstr.) **(Hun)**

PREVENTION & CONTROL

Hepatitis C: prevention and treatment. Dolan PJ, et al. **Am Fam Physician** 1991 Apr;43(4):1347–50, 1355–60 (26 ref.)

[Anti-HVC antibodies and raw-material plasma: reflections and strategy] Avenard G, et al. **Rev Fr Transfus Hemobiol** 1990 Oct;33(5):351–4 (12 ref.) **(Fre)**

THERAPY

Review article: the management of hepatitis A, B, D and non-A non-B. Dusheiko GM. **Aliment Pharmacol Ther** 1989 Feb;3(1):1–20 (43 ref.)

Hepatitis C: prevention and treatment. Dolan PJ, et al. **Am Fam Physician** 1991 Apr;43(4):1347–50, 1355–60 (26 ref.)

Treatment of chronic viral hepatitis. de Man RA, et al. **Dig Dis** 1991;9(1):17–35 (136 ref.)

Interferons in chronic viral hepatitis. Müller R. **Hepatogastroenterology** 1991 Feb;38(1):4–9 (83 ref.)

Clinical, virological and epidemiological basis for the treatment of chronic non-A, non-B hepatitis. Alter HJ. **J Hepatol** 1990;11 Suppl 1:S19–25 (15 ref.)

Recombinant alpha-interferon treatment of non-A, and non-B (type C) hepatitis: review of studies and recommendations for treatment. Davis GL. **J Hepatol** 1990; 11 Suppl 1:S72–7 (23 ref.)

[Treatment of chronic hepatitis caused by C and non-A, non-B virus (NANB)] Trepo C, et al. **Rev Fr Transfus Hemobiol** 1990 Oct;33(5):343–6 (10 ref.) **(Fre)**

[Therapy of chronic non-A, non-B hepatitis with interferon] Hess G. **Fortschr Med** 1991 Jan 20;109(2):33–4, 39–40 (19 ref.) (Eng. Abstr.) **(Ger)**

[Treatment of chronic hepatitis B and C with alpha interferon] Hess G. **Z Gastroenterol Verh** 1991 Mar; 26:149–51 (16 ref.) **(Ger)**

[Advances in the treatment of chronic hepatitis type C] Porres Cubero JC, et al. **Rev Esp Enferm Dig** 1990 Jun;

77(6):437–8 (12 ref.) **(Spa)**

TRANSMISSION

Epidemiology of hepatitis E in China. Zhuang H, et al. **Gastroenterol Jpn** 1991 Jul;26 Suppl 3:135–8 (27 ref.)

Let's look at human immunodeficiency virus look-back before leaping into hepatitis C virus look-back. Busch MP. **Transfusion** 1991 Sep;31(7):655–61 (29 ref.)

[Anti-HCV antibodies and transfusion recipients. Bibliographic data and current knowledge] Couroucé AM. **Rev Fr Transfus Hemobiol** 1990 Oct;33(5):335–8 (9 ref.) **(Fre)**

[Intrafamilial transmission of hepatitis C virus] Ohta Y, et al. **Nippon Rinsho** 1991 Feb;49(2):366–71 (18 ref.) **(Jpn)**

HEPATITIS, VIRAL, VACCINES see **VIRAL HEPATITIS VACCINES**

HEPATITIS VIRUS, HOMOLOGOUS SERUM see **HEPATITIS B VIRUS**

HEPATITIS VIRUS, INFECTIOUS see **HEPATITIS A VIRUS**

HEPATITIS VIRUS, MARMOSET see **HEPATITIS VIRUSES**

HEPATITIS VIRUS, MOUSE

Background paper. Advances in the study of MHV infection of mice. Kyuwa S, et al. **Adv Exp Med Biol** 1990;276:555–6 (22 ref.)

GENETICS

Experimental models of virus attenuation and demyelinating disease. Koolen MJ, et al. **Microbiol Sci** 1986 Mar; 3(3):68–73 (27 ref.)

IMMUNOLOGY

[Studies on the development of an ELISA kit for microbiological monitoring of laboratory animals] Takakura A, et al. **Jikken Dobutsu** 1991 Jan;40(1):7–15 (27 ref.) **(Jpn)**

PATHOGENICITY

Background paper. On the role of the immune response in the course of coronavirus JHM-induced encephalomyelitides in mice and rats. Dörries R. **Adv Exp Med Biol** 1990;276:623–7 (30 ref.)

PHYSIOLOGY

T cell-mediated clearance of JHMV from the central nervous system. Williamson J, et al. **Adv Exp Med Biol** 1990; 276:557–63 (16 ref.)

HEPATITIS VIRUS, NON-A, NON-B see **HEPATITIS C VIRUS**

HEPATITIS VIRUSES

GENETICS

Hepatitis viruses. Carman WF, et al. **Baillieres Clin Gastroenterol** 1990 Mar;4(1):201–32 (103 ref.)

Hepatitis A, B, C, D and E viruses: structure of their genomes and general properties. Valenzuela P. **Gastroenterol Jpn** 1990 Sep;25 Suppl 2:62–71 (71 ref.)

Comparative molecular biology of the hepatitis viruses. Miller RH. **Semin Liver Dis** 1991 May;11(2):113–20 (81 ref.)

HEPATOCELLULAR CARCINOMA see **HEPATOMA**

HEPATOCYTE-STIMULATING FACTOR see **INTERLEUKIN-6**

HEPATOLENTICULAR DEGENERATION

Perspectives on Wilson's disease. Sternlieb I. **Hepatology** 1990 Nov;12(5):1234–9 (70 ref.)

Hepatic copper toxicosis. Sternlieb I. **J Gastroenterol Hepatol** 1989 Mar–Apr;4(2):175–81 (29 ref.)

DIAGNOSIS

[Clinico-radiological correlation of Wilson's disease by magnetic resonance imaging, computed and positron emission tomography] Ikeda K, et al. **Rinsho Shinkeigaku** 1991 Feb;31(2):147–53 (9 ref.) (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Copper and liver disease. Danks DM. **Eur J Pediatr** 1991 Jan;150(3):142–8 (43 ref.)

Use of zinc-copper metabolic interactions in the treatment of Wilson's disease. Brewer GJ, et al. **J Am Coll Nutr** 1990 Oct;9(5):487–91 (23 ref.)

Penicillamine-induced arthropathy in Wilson's disease. Walshe JM, et al. **Proc R Soc Med** 1977;70 Suppl 3:4–6 (5 ref.)

Brief observations on the management of Wilson's disease. Walshe JM. **Proc R Soc Med** 1977;70 Suppl 3:1–3 (9 ref.)

EPIDEMIOLOGY

[Wilson's disease in East Germany: in retrospect and perspectives — an evaluation] Lössner J, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Oct; 42(10):585–600 (43 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

[Early detection of hereditary hemochromatosis and Wilson's disease] Niederau C, et al. **Z Gastroenterol Verh** 1991 Mar; 26:82–7 (29 ref.) **(Ger)**

PATHOLOGY

[Changes in the internal organs in the preneurological stage of hepatocerebral dystrophy] Ivanova-Smolenskaia IA, et al. **Ter Arkh** 1990;62(10):79–84 (26 ref.) (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

The neuropsychiatry of Wilson's disease: a review. Dening TR. **Int J Psychiatry Med** 1991;21(2):135–48 (65 ref.)

HEPATOMA

Hepatocellular carcinoma, alcohol, and cirrhosis: facts and hypotheses. Naccarato R, et al. **Dig Dis Sci** 1991 Aug; 36(8):1137–42 (81 ref.)

Fibrolamellar carcinoma of the liver—a case report from Japan and a review of the literature. Kohno H, et al. **HPB Surg** 1988 Sep;1(1):77–80 (32 ref.)

Diffuse infiltrating T-cell lymphoma of the colon associated with polyclonal hypergammaglobulinemia and hepatocellular carcinoma: report of a case. Nagai T, et al. **Jpn J Med** 1991 Jan–Feb;30(1):57–63 (31 ref.)

CHEMICALLY INDUCED

Danazol-induced hepatocellular adenomas. A case report and review of the literature. Kahn H, et al. **Arch Pathol Lab Med** 1991 Oct;115(10):1054–7 (14 ref.)

Pathobiology of chemical hepatocarcinogenesis: recent progress and perspectives. Part I. Cytomorphological changes and cell proliferation. Bannasch P. **J Gastroenterol Hepatol** 1990 Mar–Apr;5(2):149–59 (116 ref.)

Pathobiology of chemical hepatocarcinogenesis: recent progress and perspectives. Part II. Metabolic and molecular changes. Bannasch P. **J Gastroenterol Hepatol** 1990 May–Jun;5(3):310–20 (91 ref.)

COMPLICATIONS

Subdural hematoma associated with metastatic neoplasms. McKenzie CR, et al. **Neurosurgery** 1990 Oct;27(4):619–24; discussion 624–5 (51 ref.)

Pancreatic arteriovenous malformation treated by transcatheter embolization: report of a case with hepatocellular carcinoma. Kato T, et al. **Radiat Med** 1991 Jan–Feb;9(1):19–21 (14 ref.)

[Emergency diagnosis: hemoperitoneum caused by spontaneous rupture of hepatocarcinoma in a patient with liver cirrhosis] Ciuba T. **J Chir (Paris)** 1990 Nov; 127(11):539–41 (7 ref.) (Eng. Abstr.) **(Fre)**

[A case of Hurst's encephalitis complicated by hepatoma] Saito T, et al. **Rinsho Shinkeigaku** 1990 Aug;30(8):888–90 (10 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Markers for hepatocellular carcinoma. Wu AH, et al. **Immunol Ser** 1990;53:403–22 (90 ref.)

Tumour markers of hepatocellular carcinoma. Kew MC. **J Gastroenterol Hepatol** 1989 Jul–Aug;4(4):373–84 (65 ref.)

Nuclear and alternative imaging in liver tumor investigation. Galli G, et al. **J Nucl Med Allied Sci** 1990 Oct–Dec; 34(4):265–78 (61 ref.)

Magnetic resonance imaging in the study of hepatocellular carcinoma. Bartolozzi C, et al. **Rays** 1990 Jul–Sep; 15(3):353–63 (18 ref.) **(Eng, Ita)**

Nuclear medicine and hepatocellular carcinoma. Galli G, et al. **Rays** 1990 Jul–Sep;15(3):365–79 (64 ref.) **(Eng, Ita)**

Identification and localisation of resectable tumours in the liver. Okuda K. **Trop Gastroenterol** 1990 Jul–Sep; 11(3):119–29 (32 ref.)

[A case of minute cholangiocellular carcinoma which was found in the follow-up periods of liver cirrhosis and was indistinguishable from hepatocellular carcinoma on hepatic angiography] Nagaoka T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jun;88(6):1369–74 (14 ref.) **(Jpn)**

[Diagnosis of hepatocellular carcinoma performed by searching for serologic tumor markers] de Oliveira e Silva A, et al. **Arq Gastroenterol** 1990 Apr–Jun;27(2):83–94 (123 ref.) (Eng. Abstr.) **(Por)**

DRUG THERAPY

Hormonal manipulation of human hepatocellular carcinoma. A clinical investigative and therapeutic opportunity. Carr BI, et al. **J Hepatol** 1990 Nov;11(3):287–9 (30 ref.)

Growth factors, endocrine aspects and hormonal treatment in hepatocellular carcinoma—an overview. d'Arville CN, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20; 37(6):1007–12 (58 ref.)

[Ultrasound-guided percutaneous ethanol injection of small malignant tumors of the liver. Results in 20 patients] Seitz JF, et al. **Ann Radiol (Paris)** 1990;33(2):99–103 (16 ref.) (Eng. Abstr.) **(Fre)**

[Studies on postoperative arterial infusion chemotherapy using implanted reservoir for hepatocellular carcinoma] Nagabuchi E, et al. **Gan To Kagaku Ryoho** 1991 Aug; 18(11):1837–41 (8 ref.) (Eng. Abstr.) **(Jpn)**

EPIDEMIOLOGY

Hepatocellular carcinoma. A worldwide problem and the major risk factors. Simonetti RG, et al. **Dig Dis Sci** 1991 Jul;36(7):962–72 (126 ref.)

Geographic heterogeneity of hepatocellular carcinoma. Okuda K. **Gastroenterol Jpn** 1990 Dec;25(6):787–92 (56 ref.)

Epidemiologic data on exogenous hormones and hepatocellular carcinoma and selected other cancers. Prentice RL. **Prev Med** 1991 Jan;20(1):38–46 (14 ref.)

ETIOLOGY

Hepatitis B virus related hepatocellular carcinoma: chronicity of infection—the opening to different pathways of malignant transformation? Schröder CH, et al. **Biochim Biophys Acta** 1990 Dec 11;1032(2–3):137–56 (174 ref.)

Hepadnaviruses, their infections and hepatocellular carcinoma. Bukhari SS, et al. **JPMA** 1990 Dec;40(12):300–6 (44 ref.)

Hepatitis B virus as an insertional mutagene in a human hepatocellular carcinoma. Dejean A, et al. **Mol Biol Med** 1990 Jun;7(3):213–22 (35 ref.)

Integration of hepatitis B virus DNA and its implications for hepatocarcinogenesis. Matsubara K, et al. **Mol Biol Med** 1990 Jun;7(3):243–60 (106 ref.)

Epidemiology of hepatitis B virus (HBV) infections with particular regard to current routes of transmission and development of cirrhosis and malignancy. Norkrans G. **Scand J Infect Dis Suppl** 1990;69:43–7 (22 ref.)

[Hepatitis B and primary cancer of the liver: recent data on the role of B virus in oncogenesis] Buendia MA. **Pathol Biol (Paris)** 1991 Feb;39(2):157–60 (40 ref.) (Eng. Abstr.) **(Fre)**

[The association of hepatitis-B-virus infection and hepatocellular carcinoma] Reimer K, et al. **Z Arztl Fortbild (Jena)** 1991 Mar 25;85(6):246–51 (44 ref.) **(Ger)**

[Breakthrough in human hepatocellular carcinogenesis—from hepatitis B virus to hepatitis C virus] Nishioka K. **Gan To Kagaku Ryoho** 1991 Mar;18(3):327–36 (37 ref.) (Eng. Abstr.) **(Jpn)**

[Pathogenesis of human cancer] Kitagawa T. **Hum Cell** 1991 Mar;4(1):1–12 (8 ref.) (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

The detection of hepatitis B virus (HBV) in HBsAG negative individuals with primary liver cancer. Paterlini P, et al. **Dig Dis Sci** 1991 Aug;36(8):1122–9 (39 ref.)

MORTALITY

[Hepatitis B and risk in insurance medicine] Grenz D. **Versicherungsmedizin** 1990 Dec 1;42(6):165–70 (20 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Cell biology of hepatocarcinogenesis. Saeter G, et al. **Crit Rev Oncog** 1990;1(4):437–66 (430 ref.)

Cirrhosis of the liver. A regenerative process. Callea F, et al. **Dig Dis Sci** 1991 Sep;36(9):1287–93 (27 ref.)

PREVENTION & CONTROL

Workshop on screening for hepatocellular carcinoma. McMahon BJ, et al. **J Natl Cancer Inst** 1991 Jul 3; 83(13):916–9 (33 ref.)

[Is detection of primary hepatocellular carcinoma in cirrhosis useful?] Dumas O, et al. **Gastroenterol Clin Biol** 1990; 14(10):715–26 (138 ref.) **(Fre)**

RADIOGRAPHY

Interventional angiography for primary and secondary hepatic malignancies: a review. Takayasu K. **Jpn J Clin Oncol** 1990 Sep;20(3):225–31 (64 ref.)

Computed tomography of hepatocellular carcinoma. Brizi MG, et al. **Rays** 1990 Jul–Sep;15(3):337–51 (29 ref.) **(Eng, Ita)**

Diagnostic and interventional angiography of hepatocellular carcinoma. Falappa PG, et al. **Rays** 1990 Jul–Sep; 15(3):381–98 (33 ref.) **(Eng, Ita)**

[Diagnostic imaging and nosologic profile of liver adenoma and focal nodular hyperplasia] Giordano G, et al. **G Chir** 1988 Nov;9(11):783–7 (22 ref.) (Eng. Abstr.) **(Ita)**

RADIOTHERAPY

Role of radiotherapy in the treatment of hepatocellular carcinoma. Ausili Cefaro GP, et al. **Rays** 1990 Jul–Sep; 15(3):423–31 (23 ref.) **(Eng, Ita)**

SECONDARY

Hyperreninemic hypoaldosteronism due to hepatocellular carcinoma metastatic to the adrenal gland. Otabe S, et al. **Clin Nephrol** 1991 Feb;35(2):66–71 (43 ref.)

Hepatocellular carcinoma with central nervous system metastasis: a case report and literature review. Friedman HD. **Med Pediatr Oncol** 1991;19(2):139–44 (23 ref.)

[A case of a metastatic hepatocellular carcinoma to the stomach—review of Japanese literature] Kumai T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Mar;88(3):749–53 (16 ref.) **(Jpn)**

SURGERY

Surgery of liver tumours. Terblanche J. **HPB Surg** 1989 Oct; 1(3):173–84 (61 ref.)

Surgical treatment of hepatocellular carcinoma. Crucitti F, et al. **Rays** 1990 Jul–Sep;15(3):411–21 (21 ref.) **(Eng, Ita)**

[Surgery of benign and malignant primary liver tumors] Lerut J, et al. **Schweiz Rundsch Med Prax** 1990 Nov 13; 79(46):1422–9 (32 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Recent progress in the treatment of hepatocellular carcinoma. Roh MS. **Curr Opin Oncol** 1990 Aug;2(4):725–30 (19 ref.)

Ischemic treatment of liver tumours. Bengmark S, et al. **G Chir** 1988 Oct;9(10):651–61 (44 ref.)

Interventional angiography for primary and secondary hepatic malignancies: a review. Takayasu K. **Jpn J Clin Oncol** 1990 Sep;20(3):225–31 (64 ref.)

Therapeutic approach to primary malignant epithelial tumors of the liver in childhood: results of the Italian retrospective study and literature survey. Perilongo G, et al. **Pediatr Hematol Oncol** 1987;4(3):179–88 (38 ref.)

ULTRASONOGRAPHY

Diagnosis of hepatocellular carcinoma by ultrasound. Maresca G, et al. **Rays** 1990 Jul–Sep;15(3):325–35 (27 ref.) **(Eng, Ita)**

HEPATOMA, EXPERIMENTAL see **LIVER NEOPLASMS, EXPERIMENTAL**

HEPATOMA, MORRIS see **LIVER NEOPLASMS, EXPERIMENTAL**

HEPATOMA, NOVIKOFF see **LIVER NEOPLASMS, EXPERIMENTAL**

HEPATORENAL GLYCOGEN STORAGE DISEASE see **GLYCOGEN STORAGE DISEASE TYPE I**

HEPATORENAL SYNDROME

Hepatorenal syndrome. Schelling JR, et al. **Semin Nephrol** 1990 Nov;10(6):565–70 (65 ref.)

DIAGNOSIS

[Hepatorenal syndrome] Philipp T, et al. **Z Gastroenterol Verh** 1991 Mar;26:14–7 (24 ref.) **(Ger)**

DRUG THERAPY

Prostaglandins and the treatment of hepatorenal syndrome in cirrhosis. Arroyo V, et al. **J Hepatol** 1990 Sep; 11(2):142–4 (11 ref.)

PHYSIOPATHOLOGY

[Hepatorenal syndrome] Detroz B, et al. **Rev Med Liege** 1991 Apr;46(4):188–95 (32 ref.) **(Fre)**

[Effect of the autonomic nervous system on liver function in physiological and various pathological conditions] Zapaśnik A, et al. **Pol Arch Med Wewn** 1990 Sep; 84(3):166–75 (40 ref.) **(Pol)**

HEPTACHLOR EPOXIDE

ADVERSE EFFECTS

Evaluation of human exposure to the heptachlor epoxide contamination of milk in Hawaii. Baker DB, et al. **Hawaii Med J** 1991 Mar;50(3):108–12, 118 (24 ref.)

HEPTANES

PHARMACOLOGY

[Spectral interactions of cytochrome P-450 with n-heptane and methanol] Szutowski MM, et al. **Folia Med Cracov** 1990;31(3):175–84 (16 ref.) (Eng. Abstr.) **(Pol)**

HEPTANOIC ACIDS

PHARMACOLOGY

Clinical pharmacology of pravastatin, a selective inhibitor of HMG-CoA reductase. Pan HY. **Eur J Clin Pharmacol** 1991;40 Suppl 1:S15–8 (14 ref.)

HERBAL TEAS see **BEVERAGES**

HERBALISM see **MEDICINE, HERBAL**

HERBICIDES

ADVERSE EFFECTS

Methodologic issues in exposure assessment for case-control studies of cancer and herbicides. Blair A, et al. **Am J Ind Med** 1990;18(3):285–93 (27 ref.)

Phenoxyacetic acid herbicides and chlorophenols and the etiology of lymphoma and soft-tissue neoplasms. Kelly SJ, et al. **Public Health Rev** 1989–90;17(1):1–37 (89 ref.)

Herbicides and cancer: a review and discussion of methodologic issues. Blair A, et al. **Recent Results Cancer Res** 1990;120:132–45 (29 ref.)

METABOLISM

Microbial transformations of herbicides and pesticides. Cork DJ, et al. **Adv Appl Microbiol** 1991;36:1–66 (149 ref.)

Microbiological degradation of pesticides in yard waste composting. Fogarty AM, et al. **Microbiol Rev** 1991 Jun; 55(2):225–33 (43 ref.)

PHARMACOLOGY

Overview of herbicide mechanisms of action. Duke SO. **Environ Health Perspect** 1990 Jul;87:263–71 (47 ref.)

POISONING

Effects of agricultural pesticides on humans, animals, and higher plants in developing countries. Igbedioh SO. **Arch Environ Health** 1991 Jul–Aug;46(4):218–24 (52 ref.)

TOXICITY

Human health effects: what the data indicate. Gough M. **Sci Total Environ** 1991 May 1;104(1–2):129–58 (92 ref.)

HERBS, MEDICINAL see **PLANTS, MEDICINAL**

HEREDITARY DISEASES

Disease, race, geography and genes. Waldenström J. **J Intern Med** 1990 Nov;228(5):419–24 (26 ref.)

[Genetic diseases in Lebanon] Gottlieb D. **Harefuah** 1991 Jan 1;120(1):26–9 (43 ref.) **(Heb)**

BLOOD

Red blood cell molecular abnormalities in non haematological diseases. De Sandre G, et al. **Haematologica** 1990 Sep–Oct; 75(5):447–53 (66 ref.)

CHEMICALLY INDUCED

International Commission for Protection Against Environmental Mutagens and Carcinogens. ICPEMC publication No. 18. Review of the genotoxicity and carcinogenicity of antischistosomal drugs; is there a case for a study of mutation epidemiology? Report of a task group on mutagenic antischistosomals. Kramers PG, et al. **Mutat Res** 1991 Jan;257(1):49–89 (452 ref.)

DIAGNOSIS

Applications of restriction fragment length polymorphism. Narayanan S. **Ann Clin Lab Sci** 1991 Jul–Aug;21(4):291–6 (18 ref.)

Red blood cell enzymes in the diagnosis of genetic disease. van der Heiden C. **Clin Biochem** 1990 Oct;23(5):417–22 (46 ref.)

Clinical applications of fluorescence in situ hybridization. Tkachuk DC, et al. **Genet Anal Tech Appl** 1991 Apr; 8(2):67–74 (50 ref.)

PCR analysis of DNA sequences in single cells: single sperm gene mapping and genetic disease diagnosis. Arnheim N, et al. **Genomics** 1990 Nov;8(3):415–9 (18 ref.)

Genetic screening for the next decade: application of present and new technologies. McCabe ER. **Yale J Biol Med** 1991 Jan–Feb;64(1):9–14 (32 ref.)

[Medical aspects of diagnosis before implantation] Boué A. **Reprod Nutr Dev** 1990;Suppl 1:133s–137s (6 ref.) (Eng. Abstr.) **(Fre)**

[The amplification of nucleotide sequences by PCR and the new technics for molecular diagnosis] Goossens M. **Reprod Nutr Dev** 1990;Suppl 1:117s–124s (29 ref.) (Eng. Abstr.) **(Fre)**

[The principles of diagnosing hereditary pathology] Parashnev IuI. **Ter Arkh** 1990;62(10):72–6 (20 ref.) (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Red cell enzyme defects. Beutler E. **Hematol Pathol** 1990; 4(3):103–14 (146 ref.)

ETIOLOGY

Ionizing radiation and genetic risks. I. Epidemiological, population genetic, biochemical and molecular aspects of Mendelian diseases. Sankaranarayanan K. **Mutat Res** 1991 Jul;258(1):3–49 (337 ref.)

Ionizing radiation and genetic risks. IV. Current methods, estimates of risk of Mendelian disease, human data and lessons from biochemical and molecular studies of mutations. Sankaranarayanan K. **Mutat Res** 1991 Jul; 258(1):99–122 (62 ref.)

GENETICS

Applications of the concept of attributable fraction in medical genetics. Khoury MJ, et al. **Am J Med Genet** 1991 Aug 1;40(2):177–82 (34 ref.)

Heterogeneity. Edwards JH. **Ann N Y Acad Sci** 1991; 615:344–53 (11 ref.)

Recent advances in the molecular analysis of inherited disease. Malcolm S. **Eur J Biochem** 1990 Dec 12; 194(2):317–21 (65 ref.)

Molecular studies of human genetic disease. Rossiter BJ, et al. **FASEB J** 1991 Jan;5(1):21–7 (68 ref.)

Tracing disease genes through family studies. Steel CM. **J Pathol** 1990 Sep;162(1):7–13 (8 ref.)

Advances in medical genetics in the past 30 years. McKusick VA. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:1–18 (12 ref.)

Formal genetics in humans: mendelian and nonmendelian inheritance. Pyeritz RE. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:47–73 (53 ref.)

Interaction of drugs with extranuclear genetic elements and its consequences. Ebringer L. **Teratogenesis Carcinog Mutagen** 1990;10(6):477–501 (224 ref.)

[Molecular analysis in hereditary neuromuscular diseases] Baiget Bastus M. **An Esp Pediatr** 1990 Nov;33 Suppl 42:99–105 (30 ref.) **(Spa)**

[The study of the human genome in pediatrics today] Cruz M. **An Esp Pediatr** 1990 Nov;33 Suppl 42:77–91 (25 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Human leukocyte antigens and disease. Ward FE, et al. **Immunol Ser** 1989;43:359–78 (109 ref.)

PREVENTION & CONTROL

Reproductive planning after genetic counselling: a perspective from the last decade. Frets PG, et al. **Clin Genet** 1990 Oct;38(4):295–306 (90 ref.)

Preconceptional planning. Jones TB, et al. **Obstet Gynecol Clin North Am** 1990 Dec;17(4):801–15 (31 ref.)

SURGERY

Bone marrow transplantation for immunodeficiency and genetic diseases. Lenarsky C, et al. **Cancer Treat Res** 1990; 50:167–84 (82 ref.)

THERAPY

Genetic correction of hereditary disease. Johnson MP, et al. **Fetal Ther** 1989;4 Suppl 1:28–39 (49 ref.)

Treatment of genetic disease: current status and prospects for the future. Valle D. **Semin Perinatol** 1991 Feb;15(1 Suppl 1):52–6 (26 ref.)

VETERINARY

Genetic diseases of sheep and goats. Basrur PK, et al. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):779–802 (97 ref.)

HEREDITARY MOTOR AND SENSORY NEUROPATHIES see **NEUROPATHIES, HEREDITARY MOTOR AND SENSORY**

HEREDITARY NONPOLYPOSIS COLORECTAL NEOPLASMS see **COLORECTAL NEOPLASMS, HEREDITARY NONPOLYPOSIS**

HEREDITARY OPTIC ATROPHY see **OPTIC ATROPHY, HEREDITARY**

HEREDITARY SPASTIC PARAPLEGIA see **SPASTIC PARAPLEGIA, HEREDITARY**

HEREDITARY TYPE I MOTOR AND SENSORY NEUROPATHY see **CHARCOT-MARIE DISEASE**

HEREDITARY TYPE IV MOTOR AND SENSORY NEUROPATHY see **REFSUM'S DISEASE**

HEREDITY see **GENETICS**

HEREDOPATHIA ATACTICA POLYNEURITIFORMIS see **REFSUM'S DISEASE**

HERMANSKI-PUDLAK SYNDROME see **ALBINISM, OCULOCUTANEOUS**

HERMAPHRODITISM

VETERINARY

[Intersexuality in domestic mammals] Cribiu EP, et al. **Reprod Nutr Dev** 1990;Suppl 1:51s–61s (53 ref.) (Eng. Abstr.) **(Fre)**

HERMES ANTIGEN FAMILY see **RECEPTORS, LYMPHOCYTE HOMING**

HERNIA

PHYSIOPATHOLOGY

[Fascia skeleton of the abdominal cavity—hernia and anorectal incontinence] Stelzner F. **Langenbecks Arch Chir** 1991;376(2):108–20 (32 ref.) (Eng. Abstr.) **(Ger)**

HERNIA, ABDOMINAL see **HERNIA, VENTRAL**

HERNIA, CEREBRAL see **ENCEPHALOCELE**

HERNIA, DIAPHRAGMATIC

Adult Bochdalek hernia—clinical features, management and results of treatment. Thomas S, et al. **Jpn J Surg** 1991 Jan; 21(1):114–9 (37 ref.)

CONGENITAL

Pitfalls in the diagnosis of congenital diaphragmatic hernia. Gleeson F, et al. **Arch Dis Child** 1991 Jun;66(6):670–1 (24 ref.)

Unusual varieties of diaphragmatic herniae. Stokes KB. **Prog Pediatr Surg** 1991;27:127–47 (53 ref.)

[High risk congenital diaphragmatic hernia. Factors predicting mortality] Herrera Montes I, et al. **An Esp Pediatr** 1990 Dec;33(6):531–4 (23 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Congenital diaphragmatic hernia, what defect? Molenaar JC, et al. **J Pediatr Surg** 1991 Mar;26(3):248–54 (32 ref.)

HERNIA, DIAPHRAGMATIC, TRAUMATIC

COMPLICATIONS

Delayed presentation of intrapericardial diaphragmatic hernia, an unusual cause of colon obstruction. Beless DJ, et al. **Ann Emerg Med** 1991 Apr;20(4):415–7 (17 ref.)

ETIOLOGY

Traumatic diaphragmatic hernia and intestinal obstruction due to penetrating trunk wounds. Bush CA, et al. **South Med J** 1990 Nov;83(11):1347–50 (21 ref.)

HERNIA, INGUINAL

RADIOGRAPHY

[Giant inguino–scrotal herniation of the bladder] Martínez–Piñeiro L, et al. **Arch Esp Urol** 1990 Oct; 43(8):900–3 (21 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Inguinal hernia. Nyhus LM, et al. **Curr Probl Surg** 1991 Jun; 28(6):401–50 (89 ref.)

The iliopubic tract. The key to inguinal herniorrhaphy? Lichtenstein IL, et al. **Int Surg** 1990 Oct–Dec;75(4):244–6 (11 ref.)

[Suture materials for inguinal hernia in adults] Melita P, et al. **G Chir** 1988 Nov;9(11):812–5 (14 ref.) (Eng. Abstr.) **(Ita)**

HERNIA, UMBILICAL

see related
BECKWITH–WIEDEMANN SYNDROME

ETIOLOGY

[Umbilical hernioplasty with valve implantation in cirrhotic–ascitic patients] Vincze K, et al. **Orv Hetil** 1991 Apr 14;132(15):805–8 (17 ref.) (Eng. Abstr.) **(Hun)**

SURGERY

Diastasis recti and umbilical hernia causes, recognition and repair. Ranney B. **S D J Med** 1990 Oct;43(10):5–8 (6 ref.)

[Omphalocele and laparoschisis] Demarche M, et al. **Rev Med Liege** 1990 Oct;45(10):504–12 (29 ref.) **(Fre)**

HERNIA, VENTRAL

ETIOLOGY

[Postoperative ventral hernia] Nartsissov TV, et al. **Sov Med** 1991;(1):35–7 (62 ref.) **(Rus)**

SURGERY

Observations and current operative management of congenital lumbar hernias during infancy. Fakhry SM, et al. **Surg Gynecol Obstet** 1991 Jun;172(6):475–9 (21 ref.)

[Omphalocele and laparoschisis] Demarche M, et al. **Rev Med Liege** 1990 Oct;45(10):504–12 (29 ref.) **(Fre)**

[Laparocele: a review of the literature and analysis of case histories] Lasagna B, et al. **Ann Ital Chir** 1990 Nov–Dec; 61(6):613–9 (22 ref.) (Eng. Abstr.) **(Ita)**

[Dermatoplasty using autologous transplants in postoperative ventral hernia] Nartsissov TV, et al. **Klin Khir** 1991;(3):65–7 (79 ref.) **(Rus)**

HEROIN see **DIACETYLMORPHINE**

HEROIN DEPENDENCE

COMPLICATIONS

[Respiratory failure in a HIV seropositive heroin addict female] Magnan A, et al. **Ann Fr Anesth Reanim** 1991; 10(1):74–6 (10 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Opioid peptides, receptors, and immune function. Bhargava HN. **NIDA Res Monogr** 1990;96:220–33 (65 ref.)

Immunological function in active heroin addicts and methadone–maintained former addicts: observations and possible mechanisms. Kreek MJ. **NIDA Res Monogr** 1991; 105:75–81 (37 ref.)

Immune function in heroin addicts and former heroin addicts in treatment: pre– and post–AIDS epidemic. Kreek MJ. **NIDA Res Monogr** 1990;96:192–219 (71 ref.)

REHABILITATION

The motivation for change from problem alcohol and heroin use. Klingemann HK. **Br J Addict** 1991 Jun;86(6):727–44 (62 ref.)

[Heroin addiction treated with methadone. Experience in 50 patients] Olié JP, et al. **Presse Med** 1991 Aug 31–Sep 7; 20(27):1253–8 (15 ref.) (Eng. Abstr.) **(Fre)**

[Treatment of drug dependent patients with methadone. 1: Goals, types and results of methadone programs] Böcker FM. **Fortschr Med** 1991 Feb 20;109(5):129–31 (41 ref.) (Eng. Abstr.) **(Ger)**

[Treatment of drug–dependent patients with methadone. 2: AIDS prevention by drug substitution?] Böcker FM. **Fortschr Med** 1991 Feb 20;109(5):132–5 (41 ref.) (Eng. Abstr.) **(Ger)**

HERPES GENITALIS

Genital herpes simplex virus infections. Mertz GJ. **Med Clin North Am** 1990 Nov;74(6):1433–54 (68 ref.)

Sexually transmitted diseases: cutaneous lesions. Stein BS. **Semin Urol** 1991 Feb;9(1):2–8 (18 ref.)

COMPLICATIONS

Ulcerative lesions and herpes simplex virus type 2 in a patient with Evan's syndrome. Wilson DC, et al. **South Med J** 1990 Dec;83(12):1484–6 (18 ref.)

DRUG THERAPY

Herpes simplex and human papillomavirus genital infections: controversy over obstetric management. Osborne NG, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):801–11 (20 ref.)

EPIDEMIOLOGY

Sero–epidemiological and –sociological patterns of herpes simplex virus infection in the world. Nahmias AJ, et al. **Scand J Infect Dis Suppl** 1990;69:19–36 (46 ref.)

[Herpes and pregnancy] Granier F, et al. **Ann Dermatol Venereol** 1990;117(12):971–4 (32 ref.) **(Fre)**

ETIOLOGY

Effects of prior HSV–1 infection on genital HSV–2 infection. Bernstein DI. **Prog Med Virol** 1991;38:109–27 (73 ref.)

NURSING

Genital herpes. An overview. Davies K. **J Obstet Gynecol Neonatal Nurs** 1990 Sep–Oct;19(5):401–6 (25 ref.)

PREVENTION & CONTROL

Prophylaxis for genital herpes. Should it be used routinely? Mindel A. **Drugs** 1991 Mar;41(3):319–25 (61 ref.)

TRANSMISSION

Herpes simplex virus infections. Arvin AM, et al. **Pediatr Infect Dis J** 1990 Oct;9(10):765–7 (10 ref.)

HERPES GESTATIONIS

Herpes gestationis. Yancey KB. **Dermatol Clin** 1990 Oct; 8(4):727–35 (36 ref.)

Pemphigoid 'herpes' gestationis. Mayou SC, et al. **Semin Dermatol** 1988 Jun;7(2):104–10 (26 ref.)

IMMUNOLOGY

Herpes gestationis. Morrison LH, et al. **J Autoimmun** 1991 Feb;4(1):37–45 (41 ref.)

PHYSIOPATHOLOGY

Herpes gestationis—bullae from hormones that cause increased extracellular matrix (autoantibodies to epidermal basement membrane as a secondary phenomenon). Stone OJ. **Med Hypotheses** 1990 Sep;33(1):11–4 (19 ref.)

HERPES LABIALIS

DRUG THERAPY

Topical treatment of cutaneous herpes simplex virus infections. Spruance SL, et al. **Antiviral Res** 1990 Dec; 14(6):305–21 (70 ref.)

HERPES LABIALIS VIRUS see **HERPESVIRUS HOMINIS**

HERPES SIMPLEX

Comparative experimental viral labyrinthitis. Davis LE. **Am J Otolaryngol** 1990 Nov–Dec;11(6):382–8 (47 ref.)

Herpesvirus and enteric viral infections in bone marrow transplantation: clinical presentations, pathogenesis, and therapeutic strategies. Holland HK, et al. **Cancer Invest** 1990;8(5):509–21 (104 ref.)

Zoster–like eruption associated with herpes simplex virus infection in children. Harel L, et al. **Clin Pediatr (Phila)** 1990 Sep;29(9):539–41 (21 ref.)

Current issues in neonatal herpes simplex virus infection. Toltzis P. **Clin Perinatol** 1991 Jun;18(2):193–208 (85 ref.)

[Herpes simplex brainstem encephalitis presenting high intensity area on MRI—a case report] Matsumura Y, et al. **Rinsho Shinkeigaku** 1990 Aug;30(8):840–4 (18 ref.) (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Rehabilitation of three patients after treatment for herpes encephalitis. Rao N, et al. **Am J Phys Med Rehabil** 1991 Apr;70(2):73–5 (9 ref.)

Other virus infections in AIDS. II. Herpes simplex virus. Erlich KS, et al. **Immunol Ser** 1989;44:534–54 (63 ref.)

[Pathogenesis and therapy of persistent infections associated with immunodeficiency syndromes] Votiakov VI, et al. **Klin Med (Mosk)** 1991 May;69(5):29–37 (28 ref.) **(Rus)**

CONGENITAL

Herpes simplex virus infections. Arvin AM, et al. **Pediatr Infect Dis J** 1990 Oct;9(10):765–7 (10 ref.)

DIAGNOSIS

[Iridoplegia–areflexia syndrome (Weill/Reys–Holmes–Adie), symptoms and etiology as persistent herpes simplex virus infection] Richwien R. **Fortschr Neurol Psychiatr** 1990 Oct; 58(10):375–9 (26 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Cutaneous herpes simplex virus infections. Arbesfeld DM, et al. **Am Fam Physician** 1991 May;43(5):1655–64 (21 ref.)

Herpes simplex virus hepatitis in pregnancy. Two patients successfully treated with acyclovir. Klein NA, et al. **Gastroenterology** 1991 Jan;100(1):239–44 (22 ref.)

[Virostatic treatment of herpes simplex infections of variable severity] Raab R, et al. **Hautarzt** 1990 Aug;41(8):413–5 (14 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

[Epidemiology of herpes simplex virus y papilloma virus: current concepts] Bernal JN. **Rev Chil Obstet Ginecol** 1989; 54(3):173–8 (38 ref.) **(Spa)**

ETIOLOGY

Effects of prior HSV–1 infection on genital HSV–2 infection. Bernstein DI. **Prog Med Virol** 1991;38:109–27 (73 ref.)

IMMUNOLOGY

Host defences in mice against infections with herpes simplex virus. Mogensen SC. **Microbiol Sci** 1984 Aug;1(5):127–30 (28 ref.)

The effect of UV–irradiation on viral infections of the skin. Norval M, et al. **Microbiol Sci** 1986 Jul;3(7):220–3 (25 ref.)

Role of antibody–dependent cellular cytotoxicity in defense against herpes simplex virus infections. Kohl S. **Rev Infect Dis** 1991 Jan–Feb;13(1):108–14 (63 ref.)

MICROBIOLOGY

Transcripts associated with herpes simplex virus latency. Stevens JG. **Adv Exp Med Biol** 1990;278:199–204 (17 ref.)

Viral encephalitis. Toltzis P. **Adv Pediatr Infect Dis** 1991; 6:111–36 (123 ref.)

Biological and molecular aspects on herpes simplex virus latency. Lycke E. **Scand J Infect Dis Suppl** 1990;69:113–9 (32 ref.)

[Molecular basis of latency of herpes simplex virus type 1] Borowicz B, et al. **Postepy Biochem** 1991;37(1):49–52 (49 ref.) **(Pol)**

PHYSIOPATHOLOGY

[Latency of herpes simplex virus. Current knowledge] Catalán V, et al. **Enferm Infecc Microbiol Clin** 1991 Mar; 9(3):172–6 (34 ref.) **(Spa)**

PREVENTION & CONTROL

Herpes simplex virus in immunocompromised patients: growing evidence of drug resistance. Epstein JB, et al.

Oral Surg Oral Med Oral Pathol 1991 Jul;72(1):47–50 (71 ref.)

[The prevention of neonatal herpes encephalitis: characteristics in a tropical area] Coton T, et al. **Med Trop (Mars)** 1991 Apr–Jun;51(2):155–60 (27 ref.) (Eng. Abstr.) **(Fre)**

[Periodic medical examination, update 1989: 4. Electronic surveillance of the fetus during labor and prevention of herpes in newborn infants. The Canadian Study Group on Periodic Medical Examination] **Union Med Can** 1990 Sep–Oct;119(5):254–60 (47 ref.) **(Fre)**

HERPES SIMPLEX, GENITAL see **HERPES GENITALIS**

HERPES SIMPLEX, LABIAL see **HERPES LABIALIS**

HERPES SIMPLEX, OCULAR see **KERATITIS, DENDRITIC**

HERPES SIMPLEX, ORAL see **STOMATITIS, HERPETIC**

HERPES SIMPLEX VIRUS see **HERPESVIRUS HOMINIS**

HERPES SIMPLEX VIRUS TRANSCRIPTIONAL ACTIVATOR VMW65 see **TRANS-ACTIVATORS**

HERPES ZOSTER

Herpesvirus and enteric viral infections in bone marrow transplantation: clinical presentations, pathogenesis, and therapeutic strategies. Holland HK, et al. **Cancer Invest** 1990;8(5):509–21 (104 ref.)

COMPLICATIONS

Acyclovir and postherpetic neuralgia. Klenerman P, et al. **Biomed Pharmacother** 1990;44(9):455–9 (18 ref.)

Acute herpetic and postherpetic neuralgia: clinical features and management. Galer BS, et al. **Mt Sinai J Med** 1991 May;58(3):257–66 (145 ref.)

[Polyradiculoneuritis following lumbosacral zona with adrenal cortex adenoma] Ribot C, et al. **Rev Neurol (Paris)** 1991;147(2):164–6 (9 ref.) (Eng. Abstr.) **(Fre)**

[Postherpetic neuralgia] Niimura M. **Nippon Hifuka Gakkai Zasshi** 1990 Nov;100(13):1352–4 (9 ref.) **(Jpn)**

[The gangrenous form of herpes zoster in a patient with disseminated psoriasis] Romanenko VN, et al. **Vestn Dermatol Venerol** 1990;(10):62–3 (26 ref.) (Eng. Abstr.) **(Rus)**

[Nervous system involvement in herpes zoster (a review of the literature)] Andreichin MA, et al. **Vrach Delo** 1990 Jul;(7):71–4 (32 ref.) **(Rus)**

DRUG THERAPY

Natural history and treatment of varicella–zoster in high–risk populations. Gnann JW, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:317–29 (100 ref.)

[The immunomodulating therapy of herpes zoster (a review of the literature)] Turkot LA, et al. **Vrach Delo** 1990 Aug;(8):107–10 (30 ref.) **(Rus)**

[Ramsay Hunt syndrome. Effects of the treatment with acyclovir (preliminary study)] Ramos Macías A, et al. **Acta Otorrinolaringol Esp** 1990 Nov–Dec;41(6):387–91 (22 ref.) (Eng. Abstr.) **(Spa)**

[Zoster should be treated with peroral acyclovir] Molin L. **Lakartidningen** 1991 Jun 26;88(26–27):2381–2 (5 ref.) **(Swe)**

EPIDEMIOLOGY

Incidence of herpes zoster in infancy in Japan. Taki M, et al. **Acta Paediatr Jpn** 1991 Feb;33(1):57–60 (18 ref.)

GENETICS

Granulomatous vasculitis occurring after cutaneous herpes zoster despite absence of viral genome. Langenberg A, et al. **J Am Acad Dermatol** 1991 Mar;24(3):429–33 (22 ref.)

IMMUNOLOGY

External ocular herpesvirus infections in immunodeficiency. Pepose JS. **Curr Eye Res** 1991;10 Suppl:87–95 (92 ref.)

MICROBIOLOGY

Varicella–zoster virus. The Fourteenth Fleming lecture. Davison AJ. **J Gen Virol** 1991 Mar;72 (Pt 3):475–86 (123 ref.)

PATHOLOGY

Herpes zoster virus infection: a clinicopathologic review and case reports. Barrett AP. **Aust Dent J** 1990 Aug;35(4):328–32 (26 ref.)

THERAPY

Treatment of herpes zoster and postherpetic neuralgia. Carmichael JK. **Am Fam Physician** 1991 Jul;44(1):203–10 (32 ref.)

[Therapy of herpes zoster neuralgia. Acute and residual neuralgia in herpes zoster] Malin JP. **Z Hautkr** 1990 Aug;65(8):713–6 (19 ref.) (Eng. Abstr.) **(Ger)**

HERPES ZOSTER, OCULAR see **HERPES ZOSTER OPHTHALMICUS**

HERPES ZOSTER OPHTHALMICUS

COMPLICATIONS

[Ophthalmic zoster with contralateral hemiplegia] Członkowska A. **Neurol Neurochir Pol** 1991 Jan–Feb;25(1):79–86 (27 ref.) (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Current management of ophthalmic zoster. Marsh RJ. **Aust N Z J Ophthalmol** 1990 Aug;18(3):273–9 (45 ref.)

HERPES ZOSTER VIRUS see **VARICELLA-ZOSTER VIRUS**

HERPESVIRIDAE

DRUG EFFECTS

Antiviral drug resistance. Coen DM. **Ann N Y Acad Sci** 1990;616:224–37 (72 ref.)

GENETICS

Whither herpesviruses? Roizman B. **Adv Exp Med Biol** 1990;278:285–91 (17 ref.)

Herpes viruses: human transducing viruses. Sugden B. **Trends Biochem Sci** 1991 Feb;16(2):45–6 (8 ref.)

IMMUNOLOGY

Mechanisms of herpesvirus immuno–evasion. Fitzpatrick DR, et al. **Microb Pathog** 1991 Apr;10(4):253–9 (42 ref.)

PATHOGENICITY

Latency of the human herpesviruses. Croen KD. **Annu Rev Med** 1991;42:61–7 (26 ref.)

PHYSIOLOGY

Interactions between herpesviruses and retroviruses: implications in the initiation of disease. Evermann JF, et al. **Microb Pathog** 1991 Jan;10(1):1–9 (65 ref.)

HERPESVIRUS HOMINIS

Antigenic and structural properties of mutants in herpes simplex virus 1 glycoprotein B. Pereira L, et al. **Adv Exp Med Biol** 1990;278:165–82 (60 ref.)

DRUG EFFECTS

Interferon as an agent against herpes simplex virus. Ho M. **J Invest Dermatol** 1990 Dec;95(6 Suppl):158S–160S (33 ref.)

Herpes simplex virus in immunocompromised patients: growing evidence of drug resistance. Epstein JB, et al. **Oral Surg Oral Med Oral Pathol** 1991 Jul;72(1):47–50 (71 ref.)

[Acyclovir–resistant herpes simplex virus] Aukrust P. **Tidsskr Nor Laegeforen** 1990 Sep 10;110(21):2770–3 (128 ref.) (Eng. Abstr.) **(Nor)**

ENZYMOLOGY

Role of herpes simplex virus thymidine kinase expression in viral pathogenesis and latency. Tenser RB. **Intervirology** 1991;32(2):76–92 (138 ref.)

GENETICS

Regulation of expression of the glycoprotein genes of herpes simplex virus type 1 (HSV–1). Levine M, et al. **Adv Exp Med Biol** 1990;278:151–64 (51 ref.)

Mechanisms of restriction of viral gene expression during herpes simplex virus latency. Sears AE. **Adv Exp Med Biol** 1990;278:211–7 (35 ref.)

Transcripts associated with herpes simplex virus latency. Stevens JG. **Adv Exp Med Biol** 1990;278:199–204 (17 ref.)

Role of latency–associated transcript in herpes simplex virus infection. Nsiah YA, et al. **Intervirology** 1991;32(2):101–15 (83 ref.)

Herpes simplex virus for gene delivery to neurons. Breakefield XO, et al. **New Biol** 1991 Mar;3(3):203–18 (130 ref.)

GROWTH & DEVELOPMENT

A review of the molecular mechanism of HSV–1 latency. Fraser NW, et al. **Curr Eye Res** 1991;10 Suppl:1–13 (75 ref.)

Herpes simplex virus ocular infections: current concepts of acute, latent and reactivated disease. Pavan–Langston D. **Trans Am Ophthalmol Soc** 1990;88:727–96 (164 ref.)

IMMUNOLOGY

B and T cell epitopes of glycoprotein D of herpes simplex virus type 1. Welling–Webster S, et al. **FEMS Microbiol Immunol** 1991 Apr;3(2):59–68 (75 ref.)

Genetically engineered herpesvirus vaccines. Accomplishments in pigs and prospects in humans. Kit S, et al. **Prog Med Virol** 1991;38:128–66 (121 ref.)

Sero–epidemiological and –sociological patterns of herpes simplex virus infection in the world. Nahmias AJ, et al. **Scand J Infect Dis Suppl** 1990;69:19–36 (46 ref.)

ISOLATION & PURIFICATION

The role of herpes simplex virus in the development of oral mucositis in bone marrow transplant recipients. Woo SB, et al. **Cancer** 1990 Dec 1;66(11):2375–9 (19 ref.)

PATHOGENICITY

Pathogenesis and latency of herpes simplex virus type 1 (HSV–1): an ophthalmologist's view of the eye as a model for the study of the virus–host relationship. Gordon YJ. **Adv Exp Med Biol** 1990;278:205–9 (23 ref.)

[Herpesvirus latency] Langeland N. **Tidsskr Nor Laegeforen** 1990 Sep 10;110(21):2785–7 (22 ref.) (Eng. Abstr.) **(Nor)**

PHYSIOLOGY

Molecular and functional significance of cellular modifications induced by herpes simplex virus infection. Puvion–Dutilleul F. **Electron Microsc Rev** 1988;1(2):279–339 (306 ref.)

Proteinase inhibition, immunoglobulin–binding proteins and a novel antimicrobial principle. Björck L. **Mol Microbiol** 1990 Sep;4(9):1439–42 (19 ref.)

Effects of prior HSV–1 infection on genital HSV–2 infection. Bernstein DI. **Prog Med Virol** 1991;38:109–27 (73 ref.)

Biological and molecular aspects on herpes simplex virus latency. Lycke E. **Scand J Infect Dis Suppl** 1990;69:113–9 (32 ref.)

[Molecular basis of latency of herpes simplex virus type 1] Borowicz B, et al. **Postepy Biochem** 1991;37(1):49–52 (49 ref.) **(Pol)**

[Latency of herpes simplex virus. Current knowledge] Catalán V, et al. **Enferm Infecc Microbiol Clin** 1991 Mar;9(3):172–6 (34 ref.) **(Spa)**

HERPESVIRUS-6, HUMAN

Clinical indications and diagnostic techniques of human herpesvirus–6 (HHV–6) infection. Krueger GR, et al. **In Vivo** 1991 May–Jun;5(3):287–95 (90 ref.)

Herpes and the rash of roses: a new virus, HHV–6, as a cause of an old childhood disease, roseola. Hall CB. **Pediatr Ann** 1990 Sep;19(9):517–21 (34 ref.)

CLASSIFICATION

[The human herpes virus type 6, the object of current research in the area of the herpesviridae] Muţiu A, et al. **Rev Roum Virol** 1990 Jul–Dec;41(3–4):227–37 (48 ref.) **(Fre)**

PHYSIOLOGY

Cellular and growth–factor requirements for the replication of human herpesvirus 6 in primary lymphocyte cultures. Frenkel N, et al. **Adv Exp Med Biol** 1990;278:1–8 (22 ref.)

Human herpesvirus–6 and exanthem subitum. Bernstein DI. **Adv Pediatr Infect Dis** 1991;6:179–92 (62 ref.)

Human herpesvirus–6 (HHV–6) (short review). Ablashi DV, et al. **In Vivo** 1991 May–Jun;5(3):193–9 (33 ref.)

HERPESVIRUS INFECTIONS

Severe chronic active Epstein–Barr virus infection syndrome. Okano M, et al. **Clin Microbiol Rev** 1991 Jan;4(1):129–35 (33 ref.)

Herpesviruses and other microorganisms of concern in dentistry. Merchant VA. **Dent Clin North Am** 1991 Apr;35(2):283–98 (76 ref.)

COMPLICATIONS

Other virus infections in AIDS. III. Epstein–Barr virus. Lennette ET. **Immunol Ser** 1989;44:554–64 (43 ref.)

Epstein–Barr virus lymphoproliferative disease associated with acquired immunodeficiency. Cohen JI. **Medicine (Baltimore)** 1991 Mar;70(2):137–60 (139 ref.)

Interactions between herpesviruses and retroviruses: implications in the initiation of disease. Evermann JF, et al. **Microb Pathog** 1991 Jan;10(1):1–9 (65 ref.)

Viruses: causal factors in atherosclerosis. Fabricant CG. **Microbiol Sci** 1986 Feb;3(2):50–2 (34 ref.)

B–cell lymphoma in organ transplant recipients. Thomas JA, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):221–32 (58 ref.)

Antibodies to Epstein–Barr virus in patients with chronic fatigue. Matthews DA, et al. **South Med J** 1991 Jul;84(7):832–40 (71 ref.)

Morbidity and mortality associated with herpes virus infections. Keay SK. **Trans Assoc Life Insur Med Dir Am** 1991;74:122–32 (19 ref.)

[An adult case of virus–associated hemophagocytic syndrome (VHAS) and a review of this syndrome in adults in Japan] Yoshimura N, et al. **Kansenshogaku Zasshi** 1991 Apr;65(4):472–6 (12 ref.) (Eng. Abstr.) **(Jpn)**

[Pathogenesis and therapy of persistent infections associated with immunodeficiency syndromes] Votiakov VI, et al. **Klin Med (Mosk)** 1991 May;69(5):29–37 (28 ref.) **(Rus)**

[Therapy of infections caused by opportunistic pathogens: viruses and parasites] Aznar J. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:56–61 (65 ref.) **(Spa)**

DIAGNOSIS

Diagnosis of human herpesviruses: memorandum from a WHO meeting. **Bull World Health Organ** 1991;69(3):277–83 (4 ref.)

Clinical indications and diagnostic techniques of human herpesvirus-6 (HHV-6) infection. Krueger GR, et al. **In Vivo** 1991 May–Jun;5(3):287–95 (90 ref.)

DRUG THERAPY

Acyclovir: the past ten years. Whitley RJ, et al. **Adv Exp Med Biol** 1990;278:243–53 (82 ref.)

Resistance of viruses to antiviral drugs. Freifeld AG, et al. **Annu Rev Med** 1991;42:247–59 (44 ref.)

[Herpesvirus infections—indications for chemotherapy in dermato-venereology] Gross GE, et al. **Hautarzt** 1990 Nov; 41(11):591–601 (73 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Latency of the human herpesviruses. Croen KD. **Annu Rev Med** 1991;42:61–7 (26 ref.)

Cytokine synergy with viral cytopathic effects and bacterial products during the pathogenesis of respiratory tract infection. Bielefeldt Ohmann H, et al. **Clin Immunol Immunopathol** 1991 Aug;60(2):153–70 (149 ref.)

Serologic and immunologic responses in chronic fatigue syndrome with emphasis on the Epstein–Barr virus. Jones JF. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S26–31 (26 ref.)

MICROBIOLOGY

Human herpesvirus-6 and exanthem subitum. Bernstein DI. **Adv Pediatr Infect Dis** 1991;6:179–92 (62 ref.)

Herpes and the rash of roses: a new virus, HHV-6, as a cause of an old childhood disease, roseola. Hall CB. **Pediatr Ann** 1990 Sep;19(9):517–21 (34 ref.)

Serologic and virologic epidemiology of Epstein–Barr virus: relevance to chronic fatigue syndrome. Sumaya CV. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S19–25 (39 ref.)

MORTALITY

Morbidity and mortality associated with herpes virus infections. Keay SK. **Trans Assoc Life Insur Med Dir Am** 1991;74:122–32 (19 ref.)

PREVENTION & CONTROL

[Gamma-globulins in the prevention and therapy of herpesvirus infections] Kostrova OM, et al. **Vopr Virusol** 1991 May–Jun;36(3):182–7 (93 ref.) **(Rus)**

HERPESVIRUS SAIMIRI

GENETICS

Transformation by herpesvirus saimiri. Trimble JJ, et al. **Adv Cancer Res** 1991;56:335–55 (119 ref.)

HERPESVIRUS SUIS see **PSEUDORABIES VIRUS**

HERPESVIRUS VARICELLAE see **VARICELLA-ZOSTER VIRUS**

HERPETOMONAS see **TRYPANOSOMATIDAE**

HERTZIAN WAVES see **RADIO WAVES**

HETE see **HYDROXYEICOSATETRAENOIC ACIDS**

5,12-HETE see **LEUKOTRIENES B**

HETEROANTIBODIES see **ANTIBODIES, HETEROPHILE**

HETEROANTIGENS see **ANTIGENS, HETEROPHILE**

HETEROCHROMATIN

PHYSIOLOGY

Heterochromatin: junk or collectors item? Pardue ML, et al. **Chromosoma** 1990 Dec;100(1):3–7 (21 ref.)

ULTRASTRUCTURE

Position-effect variegation after 60 years. Henikoff S. **Trends Genet** 1990 Dec;6(12):422–6 (35 ref.)

HETEROCHROMIC CYCLITIS see **IRIDOCYCLITIS**

HETEROCYCLIC COMPOUNDS

Applications of dioxetane chemiluminescent probes to molecular biology [published erratum appears in Anal Chem 1991 Apr 15;63(8):848] Beck S, et al. **Anal Chem** 1990 Nov 1;62(21):2258–70 (107 ref.)

ANALYSIS

Formation of heterocyclic amines during meat extract processing and cooking. Aeschbacher HU. **Adv Exp Med Biol** 1991;289:107–13 (23 ref.)

Quantitative structure–activity relationships of heterocyclic amine mutagens formed during the cooking of food. Hatch FT, et al. **Environ Mol Mutagen** 1991;17(1):4–19 (90 ref.)

CHEMICAL SYNTHESIS

Antitumor imidazotetrazinones: prodrugs targeted to the major groove of DNA. Stevens MF. **Farmaco** 1991 Jan;46(1 Suppl):147–59 (39 ref.)

CHEMISTRY

Formation of heterocyclic amines using model systems. Jägerstad M, et al. **Mutat Res** 1991 Mar–Apr; 259(3–4):219–33 (74 ref.)

DIAGNOSTIC USE

Cardiac blood-pool tracers [editorial; comment] Subramanian KM. **J Nucl Med** 1991 Mar;32(3):480–2 (12 ref.) Comment on: J Nucl Med 1991 Mar;32(3):475–80.

PHARMACOKINETICS

Metabolism and biodisposition of heterocyclic amines. Turesky RJ. **Prog Clin Biol Res** 1990;347:39–53 (55 ref.)

PHARMACOLOGY

Thymidylate synthase inhibitors: the in vitro activity of a series of heterocyclic benzoyl ring modified 2-desamino-2-methyl-N10-substituted-5,8-dideazafolates. Jackman AL, et al. **Adv Enzyme Regul** 1991;31:13–27 (51 ref.)

Photobiological studies with dioxetanes in isolated DNA, bacteria, and mammalian cells. Adam W, et al. **Environ Health Perspect** 1990 Aug;88:89–97 (32 ref.)

TOXICITY

Heterocyclic amines: new mutagens and carcinogens in cooked foods. Sugimura T, et al. **Adv Exp Med Biol** 1991; 283:569–78 (74 ref.)

Chemistry and biological activity of volatile and nonvolatile mutagenic compounds from cooked food. Overvik E, et al. **IARC Sci Publ** 1990;(104):408–14 (58 ref.)

Food as source of complex mixtures of mutagens and carcinogens. Sugimura T. **IARC Sci Publ** 1990; (104):399–407 (45 ref.)

Mammalian cell mutagenicity and metabolism of heterocyclic aromatic amines. Aeschbacher HU, et al. **Mutat Res** 1991 Mar–Apr;259(3–4):235–50 (151 ref.)

Occurrence, identification, and bacterial mutagenicity of heterocyclic amines in cooked food. Felton JS, et al. **Mutat Res** 1991 Mar–Apr;259(3–4):205–17 (52 ref.)

Carcinogenicities of heterocyclic amines in cooked food. Ohgaki H, et al. **Mutat Res** 1991 Mar–Apr; 259(3–4):399–410 (44 ref.)

HETERODUPLEXES, NUCLEIC ACID see **NUCLEIC ACID HETERODUPLEXES**

HETEROGRAFT see **TRANSPLANTATION, HETEROLOGOUS**

HETEROGRAFT BIOPROSTHESIS see **BIOPROSTHESIS**

HETEROGRAFT DRESSINGS see **BIOLOGICAL DRESSINGS**

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HETEROPHILE ANTIBODIES see **ANTIBODIES, HETEROPHILE**

HETEROPHILE ANTIGENS see **ANTIGENS, HETEROPHILE**

HETEROSEXUALITY see **SEX BEHAVIOR**

HETEROTOPIC TISSUE see **CHORISTOMA**

HETEROZYGOTE

Sickle cell trait revisited. Harkness DR. **Am J Med** 1989 Sep;87(3N):30N–34N (50 ref.)

[Early acroparesthesia in females: a sign disclosing heterozygote Fabry disease] Larrégue M, et al. **Ann Dermatol Venereol** 1991;118(3):191–7 (40 ref.) (Eng. Abstr.) **(Fre)**

[Progressive cone dystrophy: electrophysiological changes in female carriers] Amzallag T, et al. **J Fr Ophtalmol** 1990; 13(8–9):421–8 (12 ref.) (Eng. Abstr.) **(Fre)**

[Duchenne muscular dystrophy carrier presenting with mosaic X chromosome constitution and muscular symptoms—with analysis of the barr bodies in the muscle] Kinoshita M, et al. **Rinsho Shinkeigaku** 1990 Jun; 30(6):643–6 (15 ref.) (Eng. Abstr.) **(Jpn)**

HETEROZYGOTE DETECTION

Very early onset Huntington's disease: genetic mechanism and risk to siblings. Clarke DJ, et al. **Clin Genet** 1990 Sep; 38(3):180–6 (34 ref.)

The molecular genetics of schizophrenia: an overview and forward view. McGuffin P, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;240(3):169–73 (27 ref.)

Fluctuating asymmetry as a possible measure of developmental homeostasis in humans: a review. Livshits G, et al. **Hum Biol** 1991 Aug;63(4):441–66 (96 ref.)

Methods of detection of single base substitutions in clinical genetic practice. Forrest S, et al. **Mol Biol Med** 1990 Oct; 7(5):451–9 (50 ref.)

METHODS

Recombinant DNA methods in hemophilia A: carrier detection and prenatal diagnosis. Sadler JE. **Semin Thromb Hemost** 1990 Oct;16(4):341–7 (50 ref.)

HEX A see **BETA-N-ACETYLHEXOSAMINIDASE**

HEX B see **BETA-N-ACETYLHEXOSAMINIDASE**

HEXACHLOROCYCLOHEXANE see **BENZENE HEXACHLORIDE**

HEXADECADROL see **DEXAMETHASONE**

HEXADECANOIC ACID see **PALMITIC ACIDS**

HEXADIENOIC ACID see **SORBIC ACID**

HEXAMETHYLENEIMINES see **AZEPINES**

HEXAMETHYLMELAMINE

PHARMACOLOGY

Hexamethylmelamine: pharmacology and mechanism of action. Ames MM. **Cancer Treat Rev** 1991 Mar;18 Suppl A:3–14 (58 ref.)

THERAPEUTIC USE

Hexamethylmelamine (altretamine) in small cell lung cancer (SCLC). Comis RL. **Cancer Treat Rev** 1991 Mar;18 Suppl A:85–90 (22 ref.)

Hexamethylmelamine use in the treatment of metastatic breast cancer. Henderson IC, et al. **Cancer Treat Rev** 1991 Mar;18 Suppl A:91–8 (24 ref.)

Hexamethylmelamine: activity in lymphoma and other tumors. Macdonald JS. **Cancer Treat Rev** 1991 Mar;18 Suppl A:99–102 (8 ref.)

Ovarian cancer: new clinical approaches. Ozols RF. **Cancer Treat Rev** 1991 Mar;18 Suppl A:77–83 (24 ref.)

The role of hexamethylmelamine in the management of ovarian cancer. Schein PS, et al. **Cancer Treat Rev** 1991 Mar;18 Suppl A:67–75 (22 ref.)

Hexamethylmelamine (altretamine): early National Cancer Institute trials. Young RC. **Cancer Treat Rev** 1991 Mar;18 Suppl A:31–5 (5 ref.)

Altretamine. Hansen LA, et al. **DICP** 1991 Feb;25(2):146–52 (51 ref.)

HEXANES

[Peripheral neuropathy by chronic deliberate inhalation of benzine (n-hexane). A case report and review of the literature] Malbergier A. **Rev Paul Med** 1990 May–Jun; 108(3):142–4 (7 ref.) (Eng. Abstr.) **(Por)**

HEXANOLS see **ALCOHOLS, HEXYL**

HEXANONES

TOXICITY

Molecular mechanisms of gamma-diketone neuropathy. Graham DG, et al. **Adv Exp Med Biol** 1991;283:427–31 (25 ref.)

HEXOKINASE

BLOOD

[Erythrocyte enzymes, structure and function] Kwiatkowska J. **Postepy Biochem** 1989;35(4):575–84 (32 ref.) **(Pol)**

METABOLISM

Porin interaction with hexokinase and glycerol kinase: metabolic microcompartmentation at the outer mitochondrial membrane. Adams V, et al. **Biochem Med Metab Biol** 1991 Jun;45(3):271–91 (185 ref.)

PHYSIOLOGY

Glucose repression: a complex regulatory system in yeast. Entian KD. **Microbiol Sci** 1986 Dec;3(12):366–71 (65 ref.)

HEXOSAMINES

BLOOD

Recommendations for adopting standard conditions and analytical procedures in the measurement of serum fructosamine concentration. Hill RP, et al. **Ann Clin Biochem** 1990 Sep;27 (Pt 5):413–24 (46 ref.)

Glycated proteins and gestational diabetes mellitus. Hod M, et al. **Isr J Med Sci** 1990 Nov;26(11):638–44 (74 ref.)

[What is the fructosamine test and what is its clinical significance?] Krantz VS, et al. **Z Med Lab Diagn** 1990; 31(7):361–5 (10 ref.) (Eng. Abstr.) **(Ger)**

HEXOSAMINIDASE see **BETA-N-ACETYLHEXOSAMINIDASE**

HEXOSAMINIDASE A see **BETA-N-ACETYLHEXOSAMINIDASE**

HEXOSAMINIDASE B see **BETA-N-ACETYLHEXOSAMINIDASE**

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HEXOSE MONOPHOSPHATE SHUNT see **PENTOSEPHOSPHATE PATHWAY**

HEXOSE TRANSPORT PROTEINS see **MONOSACCHARIDE TRANSPORT PROTEINS**

HEXOSES

METABOLISM

[Metabolism of fluorohexoses in brain] Kanazawa Y, et al. **Nippon Rinsho** 1991 Jul;49(7):1702–6 (11 ref.) **(Jpn)**

HEXOSYLTRANSFERASES

METABOLISM

Monoclonal antibodies as tools in genetic studies on carbohydrate blood group antigens. Watkins WM. **J Immunogenet** 1990 Aug–Oct;17(4–5):259–76 (86 ref.)

HEYMANN NEPHRITIS see **GLOMERULONEPHRITIS**

HFRS VIRUS see **HEMORRHAGIC FEVER VIRUS, EPIDEMIC**

HIBERNATION

PHYSIOLOGY

[Energy metabolism during hibernation in representatives of different phylogenetic groups] Emirbekov EZ, et al. **Usp Fiziol Nauk** 1991 Jan–Feb;22(1):97–111 (74 ref.) **(Rus)**

HIBERNATION, ARTIFICIAL see **HYPOTHERMIA, INDUCED**

HICCUP

Hiccups (singultus): review and approach to management. Kolodzik PW, et al. **Ann Emerg Med** 1991 May; 20(5):565–73 (113 ref.)

HIDRADENOMA

PATHOLOGY

Generalised eruptive syringoma--a papular dermatosis. Dyall-Smith DJ, et al. **Australas J Dermatol** 1990; 31(2):95–8 (27 ref.)

Eccrine porocarcinoma. Akiyoshi E, et al. **Dermatologica** 1991;182(4):239–42 (25 ref.)

HIGH-COST TECHNOLOGY see **TECHNOLOGY, HIGH-COST**

HIGH DENSITY LIPOPROTEINS see **LIPOPROTEINS, HDL**

HIGH-FREQUENCY OSCILLATION see **HIGH-FREQUENCY VENTILATION**

HIGH-FREQUENCY POSITIVE PRESSURE VENTILATION see **HIGH-FREQUENCY VENTILATION**

HIGH-FREQUENCY VENTILATION

High-frequency oscillatory ventilation. Hodson WA. **Int J Technol Assess Health Care** 1991;7 Suppl 1:41–6 (46 ref.)

High-frequency ventilation in neonates. Tsuzaki K. **J Clin Anesth** 1990 Nov–Dec;2(6):387–92 (19 ref.)

CLASSIFICATION

[High-frequency ventilation] Mutz N, et al. **Klin Anasthesiol Intensivther** 1991;39:395–403; discussion 420–4 (23 ref.) **(Ger)**

HIGH MOBILITY GROUP PROTEINS

METABOLISM

[High mobility group proteins: structure, localization, function] Fedorova NA. **Biokhimiia** 1991 Jan;56(1):9–18 (92 ref.) (Eng. Abstr.) **(Rus)**

HIGH MOBILITY PROTEIN 20 see **UBIQUITIN**

HIGH T4 SYNDROME see **EUTHYROID SICK SYNDROMES**

HIGHER NERVOUS ACTIVITY

"Reflexes of purpose and freedom" in the comparative physiology of higher nervous activity. Simonov PV. **Neurosci Behav Physiol** 1990 May–Jun;20(3):230–5 (19 ref.)

PHYSIOLOGY

The brain and higher mental function. Smith GC. **Aust N Z J Psychiatry** 1991 Jun;25(2):215–30 (82 ref.)

The Mikamo lecture. Role of higher nervous activity in sudden cardiac death. Lown B. **Jpn Circ J** 1990 Jun; 54(6):581–602 (106 ref.)

HILL-BURTON ACT see **FINANCING, GOVERNMENT**

HINDBRAIN see **RHOMBENCEPHALON**

HIP

[Synovial cyst of the hip with venous compression. Diagnosis using x-ray computed tomography. A case report] Bousquet JC, et al. **J Radiol** 1990 Nov;71(11):623–7 (19 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Hip surgery in adults. Whiteside LA. **Curr Opin Rheumatol** 1990 Feb;2(1):148–53 (24 ref.)

A comparison of general anesthesia and regional anesthesia as a risk factor for deep vein thrombosis following hip surgery: a critical review. Prins MH, et al. **Thromb Haemost** 1990 Dec 28;64(4):497–500 (36 ref.)

HIP CONTRACTURE

ETIOLOGY

Myelomeningocele. Lindseth RE, et al. **Instr Course Lect** 1991;40:271–91 (61 ref.)

HIP DISLOCATION

DIAGNOSIS

[Imaging techniques in the diagnosis and therapy of hip dysplasia and hip dislocation] Exner GU. **Schweiz Rundsch Med Prax** 1991 Jun 11;80(24):659–69 (27 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Traumatic dislocation of the hip in young children. Rieger H, et al. **Arch Orthop Trauma Surg** 1991;110(2):114–7 (22 ref.)

Myelomeningocele. Lindseth RE, et al. **Instr Course Lect** 1991;40:271–91 (61 ref.)

Dislocation after primary arthroplasty for subcapital fracture of the hip. Wide range of movement is a risk factor. Gregory RJ, et al. **J Bone Joint Surg [Br]** 1991 Jan; 73(1):11–2 (15 ref.)

SURGERY

[A case of traumatic obturator luxation of the hip in a 4-year-old child] Pries P, et al. **Rev Chir Orthop** 1991; 77(1):49–52 (12 ref.) (Eng. Abstr.) **(Fre)**

[Traumatic hip dislocation during the years of growth. A review of the literature] Rieger H, et al. **Zentralbl Chir** 1991;116(3):155–63 (33 ref.) (Eng. Abstr.) **(Ger)**

ULTRASONOGRAPHY

The role of ultrasound in the diagnosis and management of congenital dislocation and dysplasia of the hip. Harcke HT, et al. **J Bone Joint Surg [Am]** 1991 Apr;73(4):622–8 (34 ref.)

HIP DISLOCATION, CONGENITAL

DIAGNOSIS

[Imaging techniques in the diagnosis and therapy of hip dysplasia and hip dislocation] Exner GU. **Schweiz Rundsch Med Prax** 1991 Jun 11;80(24):659–69 (27 ref.) (Eng. Abstr.) **(Ger)**

[Hip changes in infantile cerebral palsy] Matthiass HH. **Z Orthop** 1990 Jul–Aug;128(4):373–6 (27 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

[Incidence of congenital hip dislocation in 40,243 live births (I)] Padilla Esteban ML, et al. **An Esp Pediatr** 1990 Dec; 33(6):535–8 (19 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

[Pathogeny and natural history of congenital dislocation of the hip] Seringe R, et al. **Rev Chir Orthop** 1990; 76(6):391–402 (67 ref.) (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

[The hip joint of children. Clinical diagnosis in the infant] Schuler P. **Z Orthop** 1990 Jul–Aug;128(4):351–4 (28 ref.) (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Radiographic study of the hip in infancy and early childhood] Niethard FU. **Z Orthop** 1990 Jul–Aug; 128(4):357–60 (10 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

[Hip surgery in early childhood] Mittelmeier H. **Z Orthop** 1990 Jul–Aug;128(4):365–8 (7 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

[Conservative treatment of hip dysplasia/hip dislocation in infancy] Jani L. **Z Orthop** 1990 Jul–Aug;128(4):361–4 (6 ref.) (Eng. Abstr.) **(Ger)**

[Femoral head necrosis in hip dislocation and its prognosis (a literature review)] Sylkin NN. **Z Orthop** 1990 Nov–Dec; 128(6):584–91 (86 ref.) (Eng. Abstr.) **(Ger)**

[Characteristics of the development of the proximal end of the femur in conservative treatment of congenital hip dislocation (review of the literature)] Krasnov AI, et al. **Ortop Travmatol Protez** 1990 Sep;(9):74–8 (48 ref.) **(Rus)**

ULTRASONOGRAPHY

The role of ultrasound in the diagnosis and management of congenital dislocation and dysplasia of the hip. Harcke HT, et al. **J Bone Joint Surg [Am]** 1991 Apr;73(4):622–8 (34 ref.)

[Neonatal screening and follow-up of congenital hip luxation using echography. Review of the literature and personal contribution on 1421 newborns] Ballerini G, et al. **Radiol Med (Torino)** 1990 Dec;80(6):814–7 (25 ref.) (Eng. Abstr.) **(Ita)**

[Role of echography in the diagnosis and treatment monitoring of congenital acetabular dysplasia. Personal experience with 2000 examined children] Borghetti M, et al. **Radiol Med (Torino)** 1991 Mar;81(3):238–44 (23 ref.) (Eng. Abstr.) **(Ita)**

[Echography of the hip in the newborn. 1507 cases] Riboni G, et al. **Radiol Med (Torino)** 1991 Jan–Feb;81(1–2):53–7 (28 ref.) (Eng. Abstr.) **(Ita)**

HIP DYSPLASIA, CONGENITAL see **HIP DISLOCATION, CONGENITAL**

HIP FRACTURES

EPIDEMIOLOGY

Osteoporosis and hip fractures. Scott JC. **Rheum Dis Clin North Am** 1990 Aug;16(3):717–40 (280 ref.)

ETIOLOGY

Late ipsilateral trochanteric fractures in patients with long-standing fusion of the hip. Mullaji AB, et al. **Injury** 1991 May;22(3):233–5 (12 ref.)

The aging hip. St. Louis University Geriatric Grand Rounds [clinical conference] Pierron RL, et al. **J Am Geriatr Soc** 1990 Dec;38(12):1339–52 (109 ref.)

That old hip. The osteoporosis process. Hay EK. **Nurs Clin North Am** 1991 Mar;26(1):43–51 (16 ref.)

MORTALITY

[Vital prognosis in fractures of the proximal femur. Study in 506 patients of 60 years of age and over] Czernichow P, et al. **Rev Chir Orthop** 1990;76(3):161–9 (20 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Biomechanics of fracture risk prediction of the hip and spine by quantitative computed tomography. Hayes WC, et al.

Radiol Clin North Am 1991 Jan;29(1):1–18 (94 ref.)

SURGERY

Dislocation after primary arthroplasty for subcapital fracture of the hip. Wide range of movement is a risk factor. Gregory RJ, et al. **J Bone Joint Surg [Br]** 1991 Jan; 73(1):11–2 (15 ref.)

[Epidural conduction anesthesia versus general anesthesia. A critical evaluation of outcome studies using as examples cesarean section and patients with hip fractures] Adams HA, et al. **Anasth Intensivther Notfallmed** 1990 Dec; 25(6):391–5 (18 ref.) (Eng. Abstr.) **(Ger)**

[Basic considerations in fractures of the trochanter major in and after angle plate osteosynthesis] Ritter G, et al. **Unfallchirurgie** 1991 Apr;17(2):106–10 (7 ref.) (Eng. Abstr.) **(Ger)**

[Studies on the stability of pertrochanteric fractures following the application of various osteosynthesis techniques with special reference to torsional forces at the proximal femur] Savvidis E, et al. **Z Orthop** 1990 Nov–Dec;128(6):661–7 (47 ref.) (Eng. Abstr.) **(Ger)**

[Traumatic hip injuries in the growth stage] von Laer L. **Z Orthop** 1990 Jul–Aug;128(4):415–7 (0 ref.) (Eng. Abstr.) **(Ger)**

HIP JOINT

[Synovial chondromatosis of the hip] Mechelany E, et al. **Ann Radiol (Paris)** 1990;33(4–5):284–8 (16 ref.) (Eng. Abstr.) **(Fre)**

[Imaging of arthritis and algodystrophy of the hip] Garcia J, et al. **J Radiol** 1990 Nov;71(11):607–16 (38 ref.) **(Fre)**

[Coxitis in Lyme disease] Spahr L, et al. **Rev Med Suisse Romande** 1990 Dec;110(12):1033–8 (19 ref.) **(Fre)**

[Bacillary trochanteritis. Apropos of 30 cases] Franceschi JP, et al. **Rev Rhum Mal Osteoartic** 1991 Jun;58(6):433–9 (12 ref.) (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

[Embryonic development of the hip joint] Tillmann B. **Z Orthop** 1990 Jul–Aug;128(4):338–40 (16 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Magnetic resonance imaging of hip disorders. Ensign MF. **Semin Ultrasound CT MR** 1990 Aug;11(4):288–306 (65 ref.)

PHYSIOLOGY

[Stress on the coxal end of the femur during loading in the hip joint flexion posture] Savvidis E. **Aktuel Probl Chir Orthop** 1990;39:1–56 (63 ref.) **(Ger)**

RADIOGRAPHY

MRI of transient osteoporosis of the hip. Grimm J, et al. **Arch Orthop Trauma Surg** 1991;110(2):98–102 (28 ref.)

SURGERY

Surgical treatment of the rheumatoid hip. Kelly IG. **Ann Rheum Dis** 1990 Oct;49 Suppl 2:858–62 (27 ref.)

HIP PROSTHESIS

Heterotopic ossification following total hip arthroplasty: a review. Hu HP, et al. **Acta Orthop Belg** 1991;57(2):169–82 (111 ref.)

Systemic effects of implanted prostheses made of cobalt-chromium alloys. Michel R, et al. **Arch Orthop Trauma Surg** 1991;110(2):61–74 (47 ref.)

Periarticular heterotopic ossification after total hip arthroplasty. Risk factors and consequences. Ahrengart L. **Clin Orthop** 1991 Feb;(263):49–58 (53 ref.)

Prevention of heterotopic ossification in high-risk patients by radiation therapy. Ayers DC, et al. **Clin Orthop** 1991 Feb;(263):87–93 (44 ref.)

Total hip arthroplasty. The role of antiinflammatory medications in the prevention of heterotopic ossification. Kjaersgaard-Andersen P, et al. **Clin Orthop** 1991 Feb; (263):78–86 (66 ref.)

Total hip and knee arthroplasty in juvenile rheumatoid arthritis. Scott RD. **Clin Orthop** 1990 Oct;(259):83–91 (18 ref.)

Surgery in the musculoskeletal system, including endoprosthesis and internal fixation. Pavlov H. **Curr Opin Radiol** 1990 Oct;2(5):703–10 (28 ref.)

Total joint arthroplasty: hip, knee, and shoulder. Vince KG. **Curr Opin Rheumatol** 1991 Feb;3(1):71–80 (46 ref.)

Advances in total hip reconstruction. Callaghan JJ, et al. **Instr Course Lect** 1991;40:115–97 (264 ref.)

Ingrowth and formation of bone in defects in an uncemented fiber-metal total hip-replacement model in dogs. Kang JD, et al. **J Bone Joint Surg [Am]** 1991 Jan;73(1):93–105 (64 ref.)

Acetabular allograft reconstruction in total hip arthroplasty. Part I: Current concepts in biomechanics. Stiehl JB. **Orthop Rev** 1991 Apr;20(4):339–41 (33 ref.)

Acetabular allograft reconstruction in total hip arthroplasty. Part II: Surgical approach and aftercare. Stiehl JB. **Orthop Rev** 1991 May;20(5):425–32 (23 ref.)

Wear debris in cemented total hip arthroplasty. Huo MH, et al. **Orthopedics** 1991 Mar;14(3):335–40 (43 ref.)

[The risk of thromboembolism in prosthetic surgery of the hip, and its prevention by administration of individualized heparin dosages] Hernandez-Vaquero D. **Acta Orthop Belg** 1990;56(2):445–50 (41 ref.) (Eng. Abstr.) **(Fre)**

[Total hip prosthesis after high femoral osteotomy] Carret JP, et al. **Rev Chir Orthop** 1991;77(2):83–91 (16 ref.) (Eng. Abstr.) **(Fre)**

[Study of loosening and wear of total hip prosthesis. Apropos of a series followed-up over 10 years] Delagoutte P, et al. **Rev Chir Orthop** 1991;77(1):25–33 (16 ref.) (Eng. Abstr.) **(Fre)**

[Tribologic study of hip prostheses] Teinturier P, et al. **Rev Chir Orthop** 1990;76(6):383–90 (26 ref.) (Eng. Abstr.) **(Fre)**

[Antibiotic therapy—what is certain?] Hansis M. **Aktuel Probl Chir Orthop** 1990;34:28–31 (15 ref.) **(Ger)**

[Ceramic head fracture—a rare complication in hip endoprosthesis. Case report and literature survey] Kern S, et al. **Z Orthop** 1990 Sep–Oct;128(5):543–8 (20 ref.) (Eng. Abstr.) **(Ger)**

[Hip prosthesis: idea, indications, development] Assennato G, et al. **Clin Ter** 1990 Sep 15;134(5):313–22 (45 ref.) (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Prevention of formation of heterotopic bone after total hip arthroplasty. Kjaersgaard-Andersen P, et al. **J Bone Joint Surg [Am]** 1991 Jul;73(6):942–7 (90 ref.)

Dislocation after primary arthroplasty for subcapital fracture of the hip. Wide range of movement is a risk factor. Gregory RJ, et al. **J Bone Joint Surg [Br]** 1991 Jan; 73(1):11–2 (15 ref.)

Prophylaxis of venous thrombosis following total hip and total knee replacement using antithrombin III and heparin. Francis CW, et al. **Semin Hematol** 1991 Jan;28(1):39–45 (54 ref.)

[Luxation of total hip prosthesis. Statistical validation of a modelization, apropos of 52 cases] Fontes D, et al. **Rev Chir Orthop** 1991;77(3):163–70 (23 ref.) (Eng. Abstr.) **(Fre)**

[Luxation of total hip prosthesis. Mathematic modelization, biomechanical approach] Fontes D, et al. **Rev Chir Orthop** 1991;77(3):151–62 (33 ref.) (Eng. Abstr.) **(Fre)**

CONTRAINDICATIONS

Alternatives to hip, knee, and ankle total joint arthroplasty. Cuckler JM, et al. **Curr Opin Rheumatol** 1991 Feb;3(1):81–7 (29 ref.)

METHODS

Bipolar versus total hip arthroplasty for avascular necrosis of the femoral head. A comparison. Cabanela ME. **Clin Orthop** 1990 Dec;(261):59–62 (7 ref.)

HIPPEL-LINDAU DISEASE

[The von Hippel-Lindau syndrome] Neumann HP. **Dtsch Med Wochenschr** 1991 Jan 4;116(1):28–34 (40 ref.) **(Ger)**

COMPLICATIONS

Germ cell tumor of testis in a patient with von Hippel-Lindau disease. Cendron M, et al. **Urology** 1991 Jan;37(1):69–71 (12 ref.)

[A case of renal cell carcinoma and bladder carcinoma associated with von Hippel-Lindau disease] Kinbara H, et al. **Hinyokika Kiyo** 1990 Jul;36(7):823–6 (15 ref.) (Eng. Abstr.) **(Jpn)**

EPIDEMIOLOGY

Clustering of features of von Hippel-Lindau syndrome: evidence for a complex genetic locus [see comments] Neumann HP, et al. **Lancet** 1991 May 4;337(8749):1052–4 (24 ref.) Comment in: Lancet 1991 Jun 15;337(8755):1477–9.

GENETICS

[A family of von Hippel-Lindau disease with renal cell carcinoma—case report and review of the literature] Ito F, et al. **Hinyokika Kiyo** 1991 Feb;37(2):157–62 (16 ref.) (Eng. Abstr.) **(Jpn)**

NURSING

von Hippel-Lindau disease: a genetic condition predisposing tumor formation. Martz CH. **Oncol Nurs Forum** 1991 Apr; 18(3):545–51 (38 ref.)

HIPPOCAMPUS

DRUG EFFECTS

Kindling, prenatal exposure to ethanol and postnatal development selectively alter responses of hippocampal pyramidal cells to NMDA. Nadler JV, et al. **Adv Exp Med Biol** 1990;268:407–17 (47 ref.)

Adrenal steroid influences on the survival of hippocampal neurons. McEwen BS, et al. **Biochem Pharmacol** 1990 Dec 1;40(11):2393–402 (95 ref.)

Glucocorticoids, hippocampal damage and the glutamatergic synapse. Sapolsky RM. **Prog Brain Res** 1990;86:13–23 (81 ref.)

Cannabinoids and the hippocampal glucocorticoid receptor: recent findings and possible significance. Eldridge JC, et al. **Steroids** 1991 May;56(5):226–31 (50 ref.)

ENZYMOLOGY

Enzyme histochemical methods applied in the brain. Kugler P. **Eur J Morphol** 1990;28(2–4):109–20 (27 ref.)

[Adenyl cyclase activity in synapses of the CA1 segment of the horn of Ammon in Mongolian gerbils] Szumańska G, et al. **Neuropatol Pol** 1989;27(4):505–18 (36 ref.) (Eng. Abstr.) **(Pol)**

GROWTH & DEVELOPMENT

Rate of maturation of the hippocampus and the developmental progression of children's performance on the delayed non-matching to sample and visual paired comparison tasks. Diamond A. **Ann N Y Acad Sci** 1990; 608:394–426; discussion 426–33 (106 ref.)

METABOLISM

Inositol lipid metabolism in hippocampus. Logan SD, et al. **Biochem Soc Trans** 1991 Apr;19(2):407–11 (50 ref.)

Enhanced synaptic activation of NMDA receptors during hippocampal seizures. Yaari Y, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec;1(1–4):41–7 (13 ref.)

Spreading depression-like depolarization and selective vulnerability of neurons. A brief review. Somjen GG, et al. **Stroke** 1990 Nov;21(11 Suppl):III179–83 (40 ref.)

PATHOLOGY

Selective vulnerability of the hippocampus in brain ischemia. Schmidt-Kastner R, et al. **Neuroscience** 1991;40(3):599–636 (426 ref.)

Ammon's horn sclerosis: its pathogenesis and clinical significance. Sano K, et al. **Tohoku J Exp Med** 1990 Aug; 161 Suppl:273–95 (106 ref.)

PHYSIOLOGY

Long-term potentiation in the dentate gyrus in vivo is associated with a sustained increase in extracellular glutamate. Bliss TV, et al. **Adv Exp Med Biol** 1990; 268:269–78 (24 ref.)

Changes in synaptic transmission in the kindled hippocampus. Heinemann U, et al. **Adv Exp Med Biol** 1990;268:445–50 (33 ref.)

Postsynaptic mechanisms involved in long-term potentiation. Kauer JA, et al. **Adv Exp Med Biol** 1990;268:291–9 (41 ref.)

Modulation of the induction of long-term potentiation in the hippocampus. Sastry BR, et al. **Adv Exp Med Biol** 1990; 268:377–86 (60 ref.)

Roles of metabotropic and ionotropic glutamate receptors in the long-term potentiation of hippocampal mossy fiber synapses. Sugiyama H, et al. **Adv Exp Med Biol** 1990; 268:387–94 (16 ref.)

Neural networks and synaptic transmission in immature hippocampus. Swann JW, et al. **Adv Exp Med Biol** 1990; 268:161–71 (36 ref.)

NMDA-receptors are involved in synaptic plasticity following partial denervation of CA1 hippocampal cells. Wheal H. **Adv Exp Med Biol** 1990;268:461–9 (51 ref.)

Gating of GABAergic inhibition in hippocampal pyramidal cells. Alger BE. **Ann N Y Acad Sci** 1991;627:249–63 (154 ref.)

Anesthetic actions in the hippocampal formation. Kendig JJ, et al. **Ann N Y Acad Sci** 1991;625:37–53 (88 ref.)

Protein kinases and long-term potentiation. Meffert MK, et al. **Ann N Y Acad Sci** 1991;627:2–9 (82 ref.)

Age-dependent alterations in the operations of hippocampal neural networks. Swann JW, et al. **Ann N Y Acad Sci** 1991; 627:264–76 (47 ref.)

Mechanisms underlying long-term potentiation of synaptic transmission. Madison DV, et al. **Annu Rev Neurosci** 1991; 14:379–97 (108 ref.)

Role of the hippocampus in temporal and spatial navigation: an adaptive neural network. Schmajuk NA. **Behav Brain Res** 1990 Aug 20;39(3):205–29 (92 ref.)

Is arachidonic acid a retrograde messenger in long-term potentiation? Lynch MA, et al. **Biochem Soc Trans** 1991 Apr;19(2):391–6 (36 ref.)

The role of the hippocampus in feedback regulation of the hypothalamic-pituitary-adrenocortical axis. Jacobson L, et al. **Endocr Rev** 1991 May;12(2):118–34 (159 ref.)

Serotonin and local circuits in rat hippocampus. Segal M. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec;1(1–4):77–86 (22 ref.)

The role of quisqualate receptors in the induction of hippocampal long-term potentiation. Izumi Y, et al. **Med Hypotheses** 1990 Oct;33(2):89–93 (48 ref.)

The hippocampal tissue slice in animal models of CNS disorders. Armstrong DL. **Neurosci Biobehav Rev** 1991 Spring;15(1):79–83 (43 ref.)

Hippocampal synaptic plasticity and NMDA receptors: a role in information storage? Morris RG, et al.

Philos Trans R Soc Lond [Biol] 1990 Aug 29; 329(1253):187–204 (118 ref.)
Effects of aging on the dynamics of information processing and synaptic weight changes in the mammalian hippocampus. Barnes CA. **Prog Brain Res** 1990;86:89–104 (94 ref.)
Functional aspects of acetylcholine–galanin coexistence in the brain. Consolo S, et al. **Prog Brain Res** 1990;84:279–87 (42 ref.)
Physiological mechanisms of cholinergic action in the hippocampus. Halliwell JV. **Prog Brain Res** 1990;84:255–72 (107 ref.)
The hippocampus and learning. Izquierdo I. **Prog Neurobiol** 1975;5(1):37–75 (285 ref.)
[Activation of the cholinergic synapse in the septo–hippocampus under stress conditions] Finkelstein Y, et al. **Harefuah** 1989 Sep;117(5–6):154–7 (42 ref.) **(Heb)**
[Molecule––hippocampus––memory. Part I: On the molecular mechanisms of synaptic plasticity] Sakai K, et al. **No To Shinkei** 1990 Nov;42(11):1017–29 (70 ref.) **(Jpn)**
[Molecule––hippocampus––memory. Part II: Hippocampus as a memory control apparatus] Sakai K, et al. **No To Shinkei** 1991 Feb;43(2):111–28 (1191 ref.) **(Jpn)**

PHYSIOPATHOLOGY

Membrane electrophysiology of epileptiform activity in the hippocampus. Wheal HV. **Acta Neurochir Suppl (Wien)** 1990;50:6–13 (88 ref.)
Experimental models of temporal lobe epilepsy: new insights from the study of kindling and synaptic reorganization. Sutula TP. **Epilepsia** 1990;31 Suppl 3:S45–54 (56 ref.)
Epileptogenicity and cellular currents in rat hippocampus during ontogenesis. Heinemann U, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec;1(1–4):49–56 (18 ref.)
Brief seizure episodes induce long-term potentiation and mossy fibre sprouting in the hippocampus. Ben-Ari Y, et al. **Trends Neurosci** 1990 Aug;13(8):312–8 (81 ref.)

TRANSPLANTATION

Transplantation of developing hippocampal neurons to ischemic and excitotoxic lesions of the adult rat hippocampus. Tønder N, et al. **Adv Exp Med Biol** 1990; 268:433–43 (47 ref.)

HIRSCHSPRUNG DISEASE

Hirschsprung's disease––a review. Doig CM. **Int J Colorectal Dis** 1991 Feb;6(1):52–62 (169 ref.)

COMPLICATIONS

The syndrome of Hirschsprung disease, microcephaly, unusual face, and mental retardation. Halal F, et al. **Am J Med Genet** 1990 Sep;37(1):106–8 (11 ref.)
Delayed presentation of Hirschsprung's disease: acute obstruction secondary to megacolon with transverse colonic volvulus. Neilson IR, et al. **J Pediatr Surg** 1990 Nov;25(11):1177–9 (14 ref.)
[Hirschsprung's disease associated with intestinal malrotation in an adult and a review of literature] Ko S, et al. **Nippon Geka Gakkai Zasshi** 1991 Apr;92(4):469–72 (14 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Neuronal markers in Hirschsprung's disease with special reference to neuropeptides. Larsson LT, et al. **Acta Histochem Suppl** 1990;38:115–25 (74 ref.)
[Disorders of the innervation of the large intestine––classification and diagnosis. Results of a consensus conference of the Society of Gastroenteropathology 1 December 1990 in Frankfurt/Main] Borchard F, et al. **Pathologe** 1991 May; 12(3):171–4 (10 ref.) **(Ger)**

SURGERY

[Surgical treatment of acute forms of Hirschsprung disease and total intestinal aganglionosis in infants] Krasovskaia TV, et al. **Khirurgiia (Mosk)** 1990 Aug;(8):144–9 (75 ref.) **(Rus)**

HIRSUTISM

see related
HYPERTRICHOSIS

Hyperandrogenic disorders. Barbieri RL. **Clin Obstet Gynecol** 1990 Sep;33(3):640–54 (33 ref.)
[Physiopathology and therapy of female idiopathic hirsutism. State of the art] Molinatti GM, et al. **Ann Ital Med Int** 1990 Jan–Mar;5(1):39–47 (60 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

[Hypertrichosis and hirsutism] Imcke E, et al. **Med Monatsschr Pharm** 1991 Feb;14(2):36–42 (32 ref.) **(Ger)**
[Hirsutism and androgenic menstrual cycle irregularities] Carol W, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25; 85(3–4):153–7 (9 ref.) **(Ger)**

PHYSIOPATHOLOGY

Hirsutism: pilosebaceous unit dysregulation. Role of peripheral and glandular factors. Toscano V. **J Endocrinol Invest** 1991 Feb;14(2):153–70 (163 ref.)
[Endocrinologic diagnosis in hirsutism and androgenetic alopecia in women] Pichl J, et al. **Z Hautkr** 1990 Dec; 65(12):1103–4, 1109–11 (10 ref.) (Eng. Abstr.) **(Ger)**

HIRUDIN

Past, present and future of hirudin. Markwardt F. **Haemostasis** 1991;21 Suppl 1:11–26 (78 ref.)

ANTAGONISTS & INHIBITORS

Some objective considerations for the neutralization of the anticoagulant actions of recombinant hirudin. Fareed J, et al. **Haemostasis** 1991;21 Suppl 1:64–72 (10 ref.)

DIAGNOSTIC USE

Hirudin for diagnostic purposes. Stocker K. **Haemostasis** 1991;21 Suppl 1:161–7 (13 ref.)

PHARMACOLOGY

Thrombin inhibition by hirudin: how hirudin inhibits thrombin. Fenton JW 2d, et al. **Haemostasis** 1991;21 Suppl 1:27–31 (27 ref.)
The anticoagulant and antithrombotic properties of hirudins. Märki WE, et al. **Thromb Haemost** 1990 Nov 30;64(3):344–8 (39 ref.)

HIRUDINEA see **LEECHES**

HISPANIC AMERICANS

Drunk driving among American blacks and Hispanics. Ross HL, et al. **Accid Anal Prev** 1991 Feb;23(1):1–11 (32 ref.)
Hypertension, cardiac disease, and compliance in minority patients. Francis CK. **Am J Med** 1991 Jul 18; 91(1A):29S–36S (55 ref.)
A critical review of epidemiological studies of Puerto Rican mental health. Guarnaccia PJ, et al. **Am J Psychiatry** 1990 Nov;147(11):1449–56 (51 ref.)
The Hispanic Health and Nutrition Examination Survey. **Nutr Rev** 1991 May;49(5):156–8 (7 ref.)
Ethnic/racial populations and worksite health promotion. Aguirre-Molina M, et al. **Occup Med** 1990 Oct–Dec; 5(4):789–806 (49 ref.)
Examining ethnicity versus race in AIDS related sex research. Wyatt GE. **Soc Sci Med** 1991;33(1):37–45 (43 ref.)

PSYCHOLOGY

Hispanic drinking in the US: thinking in new directions [editorial] Caetano R. **Br J Addict** 1990 Oct;85(10):1231–6 (37 ref.)

STATISTICS & NUMERICAL DATA

Major infectious diseases causing excess morbidity in the Hispanic population. Sumaya CV. **Arch Intern Med** 1991 Aug;151(8):1513–20 (87 ref.)
Changing demographics in the United States. Implications for health professionals. Frank-Stromborg M. **Cancer** 1991 Mar 15;67(6 Suppl):1772–8 (47 ref.)
Hispanics and illicit drug use: a review of recent findings. De La Rosa MR, et al. **Int J Addict** 1990 Jun;25(6):665–91 (52 ref.)

HISTAMINASE

METABOLISM

Properties and functions of the semicarbazide-sensitive amine oxidases. Callingham BA, et al. **Biochem Soc Trans** 1991 Feb;19(1):228–33 (53 ref.)
Some aspects of the pharmacology of semicarbazide-sensitive amine oxidases. Callingham BA, et al. **J Neural Transm Suppl** 1990;32:279–90 (63 ref.)

HISTAMINE

see related
HYPERSENSITIVITY, IMMEDIATE

Distribution of histaminergic neurons and fibers in rat brain. Comparison with noradrenergic and serotonergic innervation of the vestibular system. Steinbusch HW. **Acta Otolaryngol Suppl (Stockh)** 1991;479:12–23 (41 ref.)

ANALOGS & DERIVATIVES

The histamine H3-receptor: pharmacology, roles and clinical implications studied with agonists. Arrang JM, et al. **Agents Actions Suppl** 1991;33:55–67 (36 ref.)

ANALYSIS

Radioimmunoassay of histamine. Waldum HL, et al. **Scand J Gastroenterol Suppl** 1991;180:32–9 (38 ref.)

BIOSYNTHESIS

Modulation of histamine synthesis and release in brain via presynaptic autoreceptors and heteroreceptors. Schwartz JC, et al. **Ann N Y Acad Sci** 1990;604:40–54 (38 ref.)
Interleukin-3 (IL-3) and granulocyte-macrophage colony-stimulating factor (GM-CSF): two cytokines increasing histamine synthesis by hematopoietic cells. Dy M, et al. **Eur Cytokine Netw** 1991 May–Jun;2(3):153–72 (195 ref.)
Histamine-producing cells in the stomach and their role in the regulation of acid secretion. Håkanson R, et al. **Scand J Gastroenterol Suppl** 1991;180:88–94 (21 ref.)

IMMUNOLOGY

Immunomodulation by histamine. Stanciu L. **Ann Biol Clin (Paris)** 1990;48(9):623–5 (49 ref.)
Histamine, antihistamines and atopic eczema. Behrendt H, et al. **Clin Exp Allergy** 1990 Nov;20 Suppl 4:25–30 (55 ref.)

METABOLISM

Histaminergic transmission in the mammalian brain. Schwartz JC, et al. **Physiol Rev** 1991 Jan;71(1):1–51 (838 ref.)

PHARMACOLOGY

Human nasal and bronchial epithelial cells in culture: an overview of their characteristics and function. Devalia JL, et al. **Allergy Proc** 1991 Mar–Apr;12(2):71–9 (59 ref.)
Ca2+ oscillations induced by histamine H1 receptor stimulation in HeLa cells: Fura-2 and patch clamp analysis. Sauvé R, et al. **Cell Calcium** 1991 Feb–Mar;12(2–3):165–76 (44 ref.)
Trophic effect of histamine on the stomach. Waldum HL, et al. **Scand J Gastroenterol Suppl** 1991;180:137–42 (38 ref.)

PHYSIOLOGY

The role of histamine in the neuroendocrine regulation of pituitary hormone secretion. Knigge U, et al. **Acta Endocrinol (Copenh)** 1991 Jun;124(6):609–19 (65 ref.)
Biological effects of histamine: an overview [editorial] Pearce FL. **Agents Actions** 1991 May;33(1–2):4–7 (22 ref.)
Histamine and its congener derivatives as immune modulators. Khan MM, et al. **Agents Actions Suppl** 1991; 33:365–79 (33 ref.)
Neuroendocrine functions of histamine. Knigge U, et al. **Agents Actions Suppl** 1991;33:29–53 (83 ref.)
Histaminergic neuron system: morphological features and possible functions. Wada H, et al. **Agents Actions Suppl** 1991;33:11–27 (65 ref.)
Histamine as an intracellular messenger. Brandes LJ, et al. **Biochem Pharmacol** 1990 Oct 15;40(8):1677–81 (39 ref.)
Histamine and asthma: an appraisal based on specific H1-receptor antagonism. Howarth PH. **Clin Exp Allergy** 1990 Aug;20 Suppl 2:31–41 (84 ref.)
The role of histamine in allergic rhinitis. Naclerio RM. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 2):628–32 (15 ref.)
Mast cells and histamine in asthma. Peters SP. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 2):642–6 (21 ref.)
The role of histamine in allergic diseases. White MV. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 2):599–605 (13 ref.)
Histaminergic system: neuroendocrine function of brain histamine. Cacabelos R. **Methods Find Exp Clin Pharmacol** 1990 Jun;12(5):341–76 (246 ref.)
Gastrin–histamine interactions: direct and paracrine elements. Chuang CN, et al. **Scand J Gastroenterol Suppl** 1991; 180:95–103 (36 ref.)
Aspects of the role of prostaglandins in gastrin histamine regulation of gastric acid secretion. Halter F, et al. **Scand J Gastroenterol Suppl** 1991;180:113–7 (27 ref.)
Receptors regulating acid secretion. Lewin MJ, et al. **Scand J Gastroenterol Suppl** 1991;180:53–7 (28 ref.)
Histamine and gastric acid secretion. A review. Obrink KJ. **Scand J Gastroenterol Suppl** 1991;180:4–8 (51 ref.)
Histamine receptors: an overview. Parsons ME. **Scand J Gastroenterol Suppl** 1991;180:46–52 (44 ref.)
[Mediators of immunologic inflammation of the respiratory tract] Miadonna A, et al. **Boll Ist Sieroter Milan** 1988; 67(5–6):369–76 (62 ref.) (Eng. Abstr.) **(Ita)**
[Physiological control mechanism of gastrointestinal motility] Fujii K. **Nippon Heikatsukin Gakkai Zasshi** 1990 Apr; 26(2):93–106 (39 ref.) **(Jpn)**

THERAPEUTIC USE

Histamine in the treatment of vertigo. Fischer AJ. **Acta Otolaryngol Suppl (Stockh)** 1991;479:24–8 (41 ref.)

HISTAMINE ANTAGONISTS

Histamine agonists and antagonists. Timmerman H. **Acta Otolaryngol Suppl (Stockh)** 1991;479:5–11 (30 ref.)
Antihistamine update. Herman LE, et al. **Dermatol Clin** 1991 Jul;9(3):603–10 (80 ref.)
Histamine receptors: an overview. Parsons ME. **Scand J Gastroenterol Suppl** 1991;180:46–52 (44 ref.)

ADMINISTRATION & DOSAGE

[Capsaicin-induced mouse ear edema and its management] Gábor M, et al. **Orv Hetil** 1991 Jun 23;132(25):1373–6 (19 ref.) (Eng. Abstr.) **(Hun)**

ADVERSE EFFECTS

Performance effects of antihistamines. Meltzer EO.

J Allergy Clin Immunol 1990 Oct;86(4 Pt 2):613–9 (27 ref.)

PHARMACOKINETICS

Drug disposition and effects in the fetus. Rurak DW, et al. J Dev Physiol 1991 Jan;15(1):33–44 (104 ref.)

THERAPEUTIC USE

The role of antihistamines in otitis. Fireman P. J Allergy Clin Immunol 1990 Oct;86(4 Pt 2):638–41 (15 ref.)
The role of antihistamines in atopic dermatitis. Hanifin JM. J Allergy Clin Immunol 1990 Oct;86(4 Pt 2):666–9 (29 ref.)
The use of antihistamines in the prevention and treatment of anaphylaxis and anaphylactoid reactions. Lieberman P. J Allergy Clin Immunol 1990 Oct;86(4 Pt 2):684–6 (8 ref.)
The role of antihistamines in the treatment of chronic urticaria. Monroe EW. J Allergy Clin Immunol 1990 Oct; 86(4 Pt 2):662–5 (28 ref.)
Antihistamines in the treatment of clinical asthma. Rafferty P. J Allergy Clin Immunol 1990 Oct;86(4 Pt 2):647–50 (21 ref.)
The role of antihistamines in upper respiratory tract infections. Welliver RC. J Allergy Clin Immunol 1990 Oct; 86(4 Pt 2):633–6; discussion 636–7 (16 ref.)
First-line management of sinusitis: a national problem? Overview. Kennedy DW. Otolaryngol Head Neck Surg 1990 Nov;103(5 (Pt 2)):847–54 (11 ref.)
Motion sickness. Helping patients tolerate the ups and downs. Ruckenstein MJ, et al. Postgrad Med 1991 May 1; 89(6):139–44 (10 ref.)

HISTAMINE BINDING SITES see **RECEPTORS, HISTAMINE**

HISTAMINE H1 RECEPTOR BLOCKADERS

see related
BRONCHODILATOR AGENTS
HYPERSENSITIVITY, IMMEDIATE

Acrivastine. A review of its pharmacological properties and therapeutic efficacy in allergic rhinitis, urticaria and related disorders. Brogden RN, et al. Drugs 1991 Jun;41(6):927–40 (64 ref.)

ADVERSE EFFECTS

A review of the effects of antihistamines on mental processes related to automobile driving. Gengo FM, et al. J Allergy Clin Immunol 1990 Dec;86(6 Pt 2):1034–9 (31 ref.)

CHEMISTRY

Chromatography of histamine H1- and H2-receptor blockers in biosamples. Maurer HH. J Chromatogr 1990 Oct 12; 531:369–405 (113 ref.)

PHARMACOKINETICS

Recent advances in H1-receptor antagonist treatment. Simons FE. J Allergy Clin Immunol 1990 Dec;86(6 Pt 2):995–9 (13 ref.)

PHARMACOLOGY

Pharmacology of non-sedating H1 antihistamines. Barnett A, et al. Agents Actions Suppl 1991;33:181–96 (25 ref.)
The inhibiting effect of cetirizine 2 HCl on eosinophil migration and its link to H1 blockade. Rihoux JP. Agents Actions Suppl 1991;33:409–15 (17 ref.)
H1 antagonists and inhibitors of eosinophil accumulation. De Vos C. Clin Exp Allergy 1991 Jan;21 Suppl 1:277–81 (34 ref.)
H1-antagonists as a tool in clarifying the pathophysiology of nasal allergy. Pipkorn U. Clin Exp Allergy 1990 Aug; 20 Suppl 2:25–9 (20 ref.)
The pharmacology and mechanisms of action of histamine H1-antagonists. Rimmer SJ, et al. Clin Exp Allergy 1990 Aug;20 Suppl 2:3–17 (177 ref.)
New H1-receptor antagonists: clinical pharmacology. Simons FE. Clin Exp Allergy 1990 Aug;20 Suppl 2:19–24 (36 ref.)
Cetirizine. A review of its pharmacological properties and clinical potential in allergic rhinitis, pollen-induced asthma, and chronic urticaria. Campoli-Richards DM, et al. Drugs 1990 Nov;40(5):762–81 (93 ref.)
Levocabastine. A review of its pharmacological properties and therapeutic potential as a topical antihistamine in allergic rhinitis and conjunctivitis. Dechant KL, et al. Drugs 1991 Feb;41(2):202–24 (26 ref.)
The effects of antihistamines beyond H1 antagonism in allergic inflammation. Massey WA, et al. J Allergy Clin Immunol 1990 Dec;86(6 Pt 2):1019–24 (31 ref.)
Cetirizine: antiallergic therapy beyond traditional H1 antihistamines. Sheffer AL, et al. J Allergy Clin Immunol 1990 Dec;86(6 Pt 2):1040–6 (26 ref.)
The second-generation antihistamines. What makes them different? Ryhal BT, et al. Postgrad Med 1991 May 1; 89(6):87–8, 91–4, 99 (22 ref.)

THERAPEUTIC USE

Second-generation H1-receptor antagonists. Simons FE, et al. Ann Allergy 1991 Jan;66(1):5–16, 19 (112 ref.)
Histamine, antihistamines and atopic eczema. Behrendt H, et al. Clin Exp Allergy 1990 Nov;20 Suppl 4:25–30 (55 ref.)
Does the clinical experience with non-sedating H1-antagonists justify a reassessment of antihistamines in allergy treatment? De Weck AL. Clin Exp Allergy 1990 Aug;20 Suppl 2:51–4 (16 ref.)
Histamine and asthma: an appraisal based on specific H1-receptor antagonism. Howarth PH. Clin Exp Allergy 1990 Aug;20 Suppl 2:31–41 (84 ref.)
H1- and H2-antagonists in allergic and pseudoallergic diseases. Ring J, et al. Clin Exp Allergy 1990 Aug;20 Suppl 2:43–9 (49 ref.)
H1-receptor antagonist treatment of seasonal allergic rhinitis. Kaiser HB. J Allergy Clin Immunol 1990 Dec;86(6 Pt 2):1000–3 (10 ref.)
Perioperative uses of histamine antagonists [published erratum appears in J Clin Anesth 1991 Mar–Apr;3(2):170] Lorenz W, et al. J Clin Anesth 1990 Sep–Oct;2(5):345–60 (105 ref.)
[Treatment with antihistaminic preparations] Bozhkov B. Vutr Boles 1990;29(3):1–8 (17 ref.) **(Bul)**
[Atopic dermatitis: role of oxatomide] Taieb A. Ann Dermatol Venereol 1990;117 Suppl 1:15–9 (15 ref.) (Eng. Abstr.) **(Fre)**

HISTAMINE H1 RECEPTORS see **RECEPTORS, HISTAMINE H1**

HISTAMINE H2 RECEPTOR BLOCKADERS

ADMINISTRATION & DOSAGE

Rationale for high-dose H2-receptor blockade in the treatment of gastro-oesophageal reflux disease. Castell DO. Aliment Pharmacol Ther 1991;5 Suppl 1:59–67 (19 ref.)
The evolution of peptic ulcer therapy. A role for temporal control of drug delivery. Warner CW, et al. Ann N Y Acad Sci 1991;618:504–16 (49 ref.)

ADVERSE EFFECTS

Central nervous system reactions to histamine-2 receptor blockers. Cantú TG, et al. Ann Intern Med 1991 Jun 15; 114(12):1027–34 (107 ref.)

CHEMISTRY

Chromatography of histamine H1- and H2-receptor blockers in biosamples. Maurer HH. J Chromatogr 1990 Oct 12; 531:369–405 (113 ref.)

METABOLISM

[Interaction between drugs. A critical assessment of various controlling factors in relation to clinical significance--exemplified by cimetidine] Elwin CE. Nord Med 1991;106(5):151–4, 167 (15 ref.) (Eng. Abstr.) **(Swe)**

PHARMACOKINETICS

Pharmacokinetic and pharmacodynamic properties of histamine H2-receptor antagonists. Relationship between intrinsic potency and effective plasma concentrations. Lin JH. Clin Pharmacokinet 1991 Mar;20(3):218–36 (126 ref.)

PHARMACOLOGY

Drug interactions with antisecretory agents. Hansten PD. Aliment Pharmacol Ther 1991;5 Suppl 1:121–8 (33 ref.)
The effects of antihistamines beyond H1 antagonism in allergic inflammation. Massey WA, et al. J Allergy Clin Immunol 1990 Dec;86(6 Pt 2):1019–24 (31 ref.)
Interactions between non-steroidal anti-inflammatory drugs and H2-receptor antagonists or prostaglandin analogues. Dixon JS, et al. Rheumatol Int 1991;11(1):13–8 (35 ref.)
[Gastric acid secretion and histamine H2 receptor antagonists] Gespach C, et al. Gastroenterol Clin Biol 1990; 14(12):982–94 (127 ref.) **(Fre)**

THERAPEUTIC USE

Safety profile of long-term H2-antagonist therapy. Lewis JH. Aliment Pharmacol Ther 1991;5 Suppl 1:49–57 (41 ref.)
Stress ulceration in the intensive care unit: use of H2-receptor antagonists. Moore JG. Aliment Pharmacol Ther 1991;5 Suppl 1:111–9 (23 ref.)
H1- and H2-antagonists in allergic and pseudoallergic diseases. Ring J, et al. Clin Exp Allergy 1990 Aug;20 Suppl 2:43–9 (49 ref.)
Sucralfate versus antacids or H2-antagonists for stress ulcer prophylaxis: a meta-analysis on efficacy and pneumonia rate. Tryba M. Crit Care Med 1991 Jul;19(7):942–9 (47 ref.)
Long term treatment of duodenal ulcer. A review of management options. Bianchi Porro G, et al. Drugs 1991 Jan;41(1):38–51 (91 ref.)
Gastric cytoprotection. What does it really mean for the prescriber? Guslandi M. Drugs 1991 Apr;41(4):507–13 (78 ref.)
The medical management of reflux esophagitis. Role of antacids and acid inhibition. Sontag SJ. Gastroenterol Clin North Am 1990 Sep;19(3):683–712 (104 ref.)
Perioperative uses of histamine antagonists [published erratum appears in J Clin Anesth 1991 Mar–Apr;3(2):170] Lorenz W, et al. J Clin Anesth 1990 Sep–Oct;2(5):345–60 (105 ref.)
Histamine2-receptor antagonists. Standard therapy for acid-peptic diseases (2) [see comments] Feldman M, et al. N Engl J Med 1990 Dec 20;323(25):1749–55 (88 ref.) Comment in: N Engl J Med 1991 May 2;324(18):1289–90.
Histamine2-receptor antagonists. Standard therapy for acid-peptic diseases. 1. Feldman M, et al. N Engl J Med 1990 Dec 13;323(24):1672–80 (202 ref.)
Histamine H2-receptor antagonists. Keithley JK. Nurs Clin North Am 1991 Jun;26(2):361–73 (22 ref.)
Reflux esophagitis. Tytgat GN, et al. Scand J Gastroenterol Suppl 1990;175:1–12 (64 ref.)
[H2-receptor antagonists in obstetrical-gynecological anesthesiological practice. II. New H2-receptor antagonists] Iordanov K, et al. Akush Ginekol (Sofiia) 1990; 29(4):74–7 (20 ref.) **(Bul)**
[Treatment with antihistaminic preparations] Bozhkov B. Vutr Boles 1990;29(3):1–8 (17 ref.) **(Bul)**
[Prevention of duodenal ulcer recurrence. A new prospect] Soulé JC. Presse Med 1991 Mar 16;20(10):465–70 (37 ref.) (Eng. Abstr.) **(Fre)**
[Histamine H2 receptor blockaders: possibilities and prognosis in the use of stage I–II preparations in the therapy of internal diseases] Grebnev AL, et al. Klin Med (Mosk) 1991 Mar;69(3):23–7 (47 ref.) **(Rus)**
[Histamine H2 receptor blockaders: possibilities and prognosis in the use of stage III–IV preparations in the therapy of internal diseases] Miagkova LP, et al. Klin Med (Mosk) 1991 Mar;69(3):27–34 (53 ref.) **(Rus)**

HISTAMINE H2 RECEPTORS see **RECEPTORS, HISTAMINE H2**

HISTAMINE LIBERATION

Modulation of histamine synthesis and release in brain via presynaptic autoreceptors and heteroreceptors. Schwartz JC, et al. Ann N Y Acad Sci 1990;604:40–54 (38 ref.)

PHYSIOLOGY

The role of histamine release in shock. Nagy S. Acta Physiol Hung 1990;76(1):3–12 (56 ref.)
Histamine releasing factors. Kaplan AP, et al. Clin Exp Allergy 1991 Jan;21 Suppl 1:8–16 (29 ref.)
Gastrin-histamine sequence in the regulation of gastric acid secretion. Waldum HL, et al. Gut 1991 Jun;32(6):698–701 (61 ref.)
Aspects of the regulation of gastric histamine release. Sandvik AK, et al. Scand J Gastroenterol Suppl 1991;180:108–12 (33 ref.)
Histamine-releasing factors and heterogeneity of IgE. MacDonald SM, et al. Springer Semin Immunopathol 1990; 12(4):415–28 (70 ref.)

HISTAMINE-PRODUCING CELL STIMULATING FACTOR see **INTERLEUKIN-3**

HISTAMINE RECEPTORS see **RECEPTORS, HISTAMINE**

HISTIDINE

GENETICS

Malaria and Leishmania parasites share the knob-associated histidine-rich protein gene sequences. Sharma YD. Comp Biochem Physiol [B] 1991;98(4):433–5 (10 ref.)

HISTIDINE CARBOXY-LYASE see **HISTIDINE DECARBOXYLASE**

HISTIDINE DECARBOXYLASE

ANTAGONISTS & INHIBITORS

Pharmacology of alpha-fluoromethylhistidine, a specific inhibitor of histidine decarboxylase. Watanabe T, et al. Trends Pharmacol Sci 1990 Sep;11(9):363–7 (34 ref.)

HISTIOCYTES

PATHOLOGY

Fine needle aspiration cytology and immunocytochemical characterization of the histiocytes in sinus histiocytosis with massive lymphadenopathy (Rosai-Dorfman syndrome). Pettinato G, et al. Acta Cytol 1990 Nov-Dec;34(6):771–7 (37 ref.)
The nature of Hodgkin and Reed-Sternberg cells, their association with EBV, and their relationship to anaplastic large-cell lymphoma. Stein H, et al. Ann Oncol 1991 Feb; 2 Suppl 2:33–8 (36 ref.)
Histiocytic cytophagic panniculitis. Hilton DA, et al. Postgrad Med J 1990 Nov;66(781):958–61 (5 ref.)
[Etiopathogenesis of Hodgkin's disease in the light of current studies] Smolewski P, et al. Postepy Hig Med Dosw 1989;

43(2-4):275-90 (107 ref.) (Eng. Abstr.) **(Pol)**

HISTIOCYTIC LYMPHOMA see **LYMPHOMA, LARGE-CELL**

HISTIOCYTIC LYMPHOMA, DIFFUSE see **LYMPHOMA, LARGE-CELL, DIFFUSE**

HISTIOCYTOMA

Malignant fibrous histiocytoma: review and case report. Maguire BM, et al. **Aust N Z J Surg** 1991 Aug;61(8):636-9 (22 ref.)

[A case of malignant retroperitoneal fibrohistiocytoma] Grande M, et al. **G Chir** 1989 Mar;10(3):98-102 (21 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Malignant myxoid emboli as the presenting feature of primary sarcoma of the aorta (myxoid malignant fibrous histiocytoma): a case report and review of the literature. Tejada E, et al. **Clin Cardiol** 1991 May;14(5):425-30 (28 ref.)

Renal malignant fibrous histiocytoma. Joseph TJ, et al. **Urology** 1991 May;37(5):483-9 (28 ref.)

[Histiocytoma of the infratemporal fossa. Apropos of a case] Menard M, et al. **Ann Otolaryngol Chir Cervicofac** 1991; 108(2):103-6 (16 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Primary malignant fibrous histiocytoma of the breast. A report of four cases and review of the literature. Rossen K, et al. **APMIS** 1991 Aug;99(8):696-702 (32 ref.)

Benign fibrous histiocytoma of the foot: a literature review and case report. Goolman HB, et al. **Cutis** 1990 Sep; 46(3):223-6 (22 ref.)

An autopsy case of malignant fibrous histiocytoma of the mediastinum, presenting multiple metastases to the small intestine and to the brain--a rare case report with a review of the literature. Misonou J, et al. **Gastroenterol Jpn** 1990 Dec;25(6):746-52 (17 ref.)

Malignant fibrous histiocytoma in a recurrent thoracic chordoma: case report and literature review. Nanda A, et al. **Neurosurgery** 1991 Apr;28(4):588-92 (41 ref.)

[Inflammatory type of malignant fibrous histiocytoma in the anterior mediastinum--a case report] Kasahara D, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Mar;39(3):366-72 (16 ref.) (Eng. Abstr.) **(Jpn)**

[Malignant fibrous histiocytoma of the scrotal wall. Presentation of a case and review of the literature] Urruchi Fernández P, et al. **Actas Urol Esp** 1990 Sep-Oct; 14(5):358-61 (20 ref.) (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Malignant fibrous histiocytoma of the lung. Marchán RF, et al. **Bol Asoc Med P R** 1990 Aug;82(8):362-3 (5 ref.)

SURGERY

Fibrous histiocytoma of the trachea: management of a rare cause of upper airway obstruction. Sculerati N, et al. **Int J Pediatr Otorhinolaryngol** 1990 Aug;19(3):295-301 (11 ref.)

[A case of malignant fibrous histiocytoma of the cecum] Fukino S, et al. **Nippon Geka Gakkai Zasshi** 1990 Nov; 91(11):1752-5 (15 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Primary chemotherapy and delayed surgery for malignant fibrous histiocytoma of bone in the extremity. Bacci G, et al. **Tumori** 1990 Dec 31;76(6):537-42 (25 ref.)

[Malignant fibrous histiocytoma of the urinary bladder: a case report] Okuno T, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Feb;82(2):312-5 (13 ref.) (Eng. Abstr.) **(Jpn)**

HISTIOCYTOSIS

Childhood histiocytosis syndromes. Hansen RC. **Adv Dermatol** 1991;6:161-97; discussion 198 (118 ref.)

DIAGNOSIS

The histiocytoses: clinical presentation and differential diagnosis. Gonzalez CL, et al. **Oncology (Williston Park)** 1990 Nov;4(11):47-60; discussion 60, 62 (107 ref.)

[Histiocytic necrotizing lymphadenitis or Kikuchi and Fujimoto's disease. A case report] Ria L, et al. **Recenti Prog Med** 1991 May;82(5):278-81 (12 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

[An adult case of virus-associated hemophagocytic syndrome (VHAS) and a review of this syndrome in adults in Japan] Yoshimura N, et al. **Kansenshogaku Zasshi** 1991 Apr; 65(4):472-6 (12 ref.) (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Regressing atypical histiocytosis. Aberrant prothymocyte differentiation, T-cell receptor gene rearrangements, and nodal involvement. Jaworsky C, et al. **Arch Dermatol** 1990 Dec;126(12):1609-16 (30 ref.)

PATHOLOGY

Morphologic findings in the histiocytic syndromes. Dehner LP. **Semin Oncol** 1991 Feb;18(1):8-17 (65 ref.)

Clinical spectrum of histiocytic tumors of the orbit. Shields JA, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1990; 42:931-7 (29 ref.)

[Histiocytic necrotizing lymphadenitis; Kikuchi's disease] Muntendam H, et al. **Ned Tijdschr Geneeskd** 1991 Mar 30; 135(13):572-4 (14 ref.) (Eng. Abstr.) **(Dut)**

HISTIOCYTOSIS, LANGERHANS-CELL

[15 cases of vertebral involvement of histiocytosis X in children. Review of the literature] Jouve JL, et al. **Ann Pediatr (Paris)** 1991 Mar;38(3):167-74 (53 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Langerhans cell histiocytosis of the female genital tract. Axiotis CA, et al. **Cancer** 1991 Mar 15;67(6):1650-60 (78 ref.)

[Pulmonary histiocytosis X] Loddenkemper R. **Z Gesamte Inn Med** 1990 Oct 1;45(19):578-80 (18 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Chemotherapy for children with aggressive fibromatosis and Langerhans' cell histiocytosis. Raney RB Jr. **Clin Orthop** 1991 Jan;(262):58-63 (39 ref.)

ETIOLOGY

Langerhans' cell histiocytosis pathobiology and pathogenesis. Favara BE. **Semin Oncol** 1991 Feb;18(1):3-7 (15 ref.)

PATHOLOGY

[Gastrointestinal symptoms in disseminated Langerhans cell histiocytosis. Case report and review of the literature] Skopnik H, et al. **Monatsschr Kinderheilkd** 1991 Apr; 139(4):239-43 (27 ref.) (Eng. Abstr.) **(Ger)**

[Histological diagnosis of brain tumors (14): Histiocytosis X] Waga S, et al. **No Shinkei Geka** 1990 Oct;18(10):897-903 (38 ref.) **(Jpn)**

THERAPY

Concepts in staging and clinical studies for treatment of Langerhans' cell histiocytosis. Komp DM. **Semin Oncol** 1991 Feb;18(1):18-23 (32 ref.)

HISTIOCYTOSIS, LIPID see **NIEMANN-PICK DISEASE**

HISTIOCYTOSIS, MALIGNANT

[To a new definition of malignant histiocytosis in children (editorial)] Nézelof C. **Arch Fr Pediatr** 1990 Dec; 47(10):697-9 (18 ref.) **(Fre)**

DRUG THERAPY

[Malignant histiocytosis with complex chromosomal abnormality: successful treatment with CHOP-E chemotherapy] Mori H, et al. **Rinsho Ketsueki** 1991 Mar; 32(3):244-9 (15 ref.) (Eng. Abstr.) **(Jpn)**

HISTIOCYTOSIS, NON-LANGERHANS-CELL

Syndromes of inappropriate macrophage activation in childhood. Baruchel A, et al. **Nouv Rev Fr Hematol** 1990; 32(6):415-20 (66 ref.)

CONGENITAL

Congenital self-healing reticulohistiocytosis. Report of a case with 7-year follow-up and a review of the literature. Alexis JB, et al. **Am J Dermatopathol** 1991 Apr;13(2):189-94 (20 ref.)

PATHOLOGY

Reticulohistiocytoma of the dorsum (Crosti's disease) and other B-cell lymphomas. Berti E, et al. **Semin Diagn Pathol** 1991 May;8(2):82-90 (12 ref.)

[Hemophagocytic lymphohistiocytosis: review apropos of a clinical case] Molina Garicano J, et al. **An Esp Pediatr** 1991 Jan;34(1):87-91 (29 ref.) **(Spa)**

HISTIOCYTOSIS, SINUS

PATHOLOGY

Fine needle aspiration cytology and immunocytochemical characterization of the histiocytes in sinus histiocytosis with massive lymphadenopathy (Rosai-Dorfman syndrome). Pettinato G, et al. **Acta Cytol** 1990 Nov-Dec;34(6):771-7 (37 ref.)

HISTIOCYTOSIS X see **HISTIOCYTOSIS, LANGERHANS-CELL**

HISTOCOMPATIBILITY

The use of unrelated marrow donors for transplantation. Hows JM, et al. **Br J Haematol** 1990 Sep;76(1):1-6 (33 ref.)

Bone marrow transplantation for acute nonlymphocytic leukemia (ANL). Appelbaum FR. **Cancer Treat Res** 1990; 50:201-22 (88 ref.)

IMMUNOLOGY

Selection of marrow donors for patients lacking an HLA-identical sibling. Anasetti C, et al. **Cancer Treat Res** 1990;50:129-40 (28 ref.)

A preliminary analysis of the 11th International Histocompatibility Workshop monoclonal antibodies. Marsh SG, et al. **Tissue Antigens** 1990 Oct;36(4):180-6 (6 ref.)

HISTOCOMPATIBILITY ANTIGENS

ANALYSIS

Modification of histocompatibility antigen expression in cells expressing activated oncogenes: implications for tumour development. Morris A. **Anticancer Res** 1990 Sep-Oct; 10(5A):1161-7 (54 ref.)

[Differentiation and transplantation antigens on the surface of mononuclear cells of cattle, horses and dogs] Schuberth HJ, et al. **Tierarztl Prax** 1991 Apr;19(2):119-22 (13 ref.) (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Inhibition of T cell activation by MHC blockade. Adorini L, et al. **Int Rev Immunol** 1990;6(1):23-35 (35 ref.)

Inhibition of antigen presentation in vitro and in vivo by MHC antagonist peptides. Lamont AG, et al. **Int Rev Immunol** 1990;6(1):49-59 (26 ref.)

IMMUNOLOGY

Pathways of antigen processing. Harding CV. **Curr Opin Immunol** 1991 Feb;3(1):3-9 (69 ref.)

Role of MHC and antigens in T-cell development. Murphy KM. **Curr Opin Immunol** 1991 Feb;3(1):26-31 (40 ref.)

Cell-surface molecules in the regulation of immune responsiveness. Zaleski MB. **Immunol Invest** 1991 Apr; 20(2):103-31 (88 ref.)

Major histocompatibility complex. Goust JM. **Immunol Ser** 1990;50:31-51 (11 ref.)

[Anti-infectious immunity, vaccination and histocompatibility antigens] Medunitsyn NV. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Aug;(8):107-12 (31 ref.) **(Rus)**

METABOLISM

Experimental strategies to explore the molecular details of MHC-peptide complexes. Rothbard JB, et al. **Int Rev Immunol** 1990;6(1):1-21 (16 ref.)

PHYSIOLOGY

Antiviral actions of interferon. Interferon-regulated cellular proteins and their surprisingly selective antiviral activities. Samuel CE. **Virology** 1991 Jul;183(1):1-11 (95 ref.)

SECRETION

An overview of conventional and novel routes of protein secretion. Colman A. **Biochem Soc Trans** 1991 Apr; 19(2):249-52 (12 ref.)

HISTOCOMPATIBILITY ANTIGENS CLASS I

ANALYSIS

Evasive strategies of trophoblast cells: selective expression of membrane antigens. Hunt JS, et al. **Am J Reprod Immunol** 1990 Jun;23(2):57-63 (81 ref.)

1990 cell typings in the International Cell Exchange. Lau M, et al. **Clin Transpl** 1990;:567-76 (5 ref.)

BIOSYNTHESIS

Biosynthesis and assembly of MHC antigens. Ploegh HL. **Behring Inst Mitt** 1990 Dec;(87):76-9 (3 ref.)

GENETICS

Genetics of RA: the HLA shared epitope hypothesis and its implications. Lanchbury JS, et al. **Br J Rheumatol** 1991; 30 Suppl 2:6-9 (15 ref.)

Immunogenetics of the Q and TL regions of the mouse. Flaherty L, et al. **Crit Rev Immunol** 1990;10(2):131-75 (270 ref.)

Structure and diversity of class I antigen presenting molecules in the mouse. Pease LR, et al. **Crit Rev Immunol** 1991;11(1):1-32 (173 ref.)

HLA non-A,B,C class I genes: their structure and expression. Heinrichs H, et al. **Immunol Res** 1990;9(4):265-74 (30 ref.)

Qa/Tla antigens. Michaelson JS. **Immunol Ser** 1989;43:379-98 (134 ref.)

Regulation of expression of a class I major histocompatibility complex transgene. Maguire JE, et al. **J Reprod Fertil Suppl** 1990;41:59–62 (13 ref.)
Evolution of the major histocompatibility complex: independent origin of nonclassical class I genes in different groups of mammals. Hughes AL, et al. **Mol Biol Evol** 1989 Nov;6(6):559–79 (80 ref.)

IMMUNOLOGY

Role of major histocompatibility complex class-I molecules in tumor rejection. New insights from studies with synthetic peptides and transgenic mice. Höglund P, et al. **Immunol Res** 1990;9(4):298–313 (111 ref.)
Peptide presentation by class-I major histocompatibility complex molecules. Nikolić-Zugić J, et al. **Immunol Res** 1991;10(1):54–65 (39 ref.)
Recognition of MHC TL gene products by gamma delta T cells. Van Kaer L, et al. **Immunol Rev** 1991 Apr;120:89–115 (98 ref.)

PHYSIOLOGY

Inhibition of major histocompatibility complex class I antigen shedding up-regulates the surface expression of class I antigens on the lymphocyte cell surface. Guha A, et al. **Ann N Y Acad Sci** 1991;628:354–61 (16 ref.)
Cellular mechanisms of antigen processing and the function of class I and II major histocompatibility complex molecules. Harding CV, et al. **Cell Regul** 1990 Jun; 1(7):499–509 (81 ref.)
Dynamic measurements of the associations between class I MHC antigens and insulin receptors. Edidin M, et al. **Mol Immunol** 1990 Dec;27(12):1313–7 (29 ref.)
CD4 and CD8 recognition of class II and class I molecules of the major histocompatibility complex. Fleury SG, et al. **Semin Immunol** 1991 May;3(3):177–85 (57 ref.)
Immunogenetics of the HLA system. Choo SY. **Yonsei Med J** 1991 Mar;32(1):1–8 (33 ref.)

HISTOCOMPATIBILITY ANTIGENS CLASS II

ANALYSIS

Detection of peptide-MHC class II complexes on the surface of intact cells. Busch R, et al. **J Immunol Methods** 1990 Nov 6;134(1):1–22 (62 ref.)
Local analysis of HLA class II monoclonal antibodies (mAb) proposed for prescreening for the 11th International Histocompatibility Workshop. Lepage V, et al. **Tissue Antigens** 1991 Jan;37(1):44–8 (2 ref.)

BIOSYNTHESIS

Biosynthesis and assembly of MHC antigens. Ploegh HL. **Behring Inst Mitt** 1990 Dec;(87):76–9 (3 ref.)

GENETICS

Antigen processing and class II MHC-restricted antigen presentation in B-lymphocytes. Watts C, et al. **Biochem Soc Trans** 1991 Apr;19(2):263–5 (21 ref.)
Genetics of RA: the HLA shared epitope hypothesis and its implications. Lanchbury JS, et al. **Br J Rheumatol** 1991; 30 Suppl 2:6–9 (15 ref.)
Regulation of MHC class II gene transcription. Kara CJ, et al. **Curr Opin Immunol** 1991 Feb;3(1):16–21 (35 ref.)
HLA class II polymorphism and genetic susceptibility to insulin-dependent diabetes mellitus. Erlich HA. **Curr Top Microbiol Immunol** 1990;164:41–55 (58 ref.)
Genotypic typing of HLA class II: from the bench to the bedside. Mach B, et al. **Hum Immunol** 1991 Apr; 30(4):278–84 (22 ref.)
Evolution of class II genes: role of selection in both the maintenance of polymorphism and the retention of non-expressed alleles. Jones PP, et al. **Immunol Res** 1990; 9(3):200–11 (40 ref.)
Cell lineage-specific and developmental stage-specific controls of MHC class-II-antigen expression. Accolla RS, et al. **Int J Cancer Suppl** 1991;6:20–5 (25 ref.)

IMMUNOLOGY

Mitogenic toxins as MHC class II-dependent probes for T cell antigen receptors. Fleischer B, et al. **Behring Inst Mitt** 1991 Feb;(88):170–6 (17 ref.)
The contribution of MHC antigen modulation to islet allograft rejection. Markmann JF, et al. **Horm Metab Res Suppl** 1990;25:104–8 (29 ref.)
Antigen presentation in MHC class II transgenic mice: stimulation versus tolerization. Lo D, et al. **Immunol Rev** 1990 Oct;117:121–34 (44 ref.)
The function of the invariant chain in antigen presentation by MHC class II molecules [news] Hämmerling GJ, et al. **Immunol Today** 1990 Oct;11(10):337–40 (26 ref.)
Development of antigen-specific therapies for autoimmune disease. Steinman L. **Mol Biol Med** 1990 Aug;7(4):333–9 (44 ref.)

METABOLISM

Peptide interactions with MHC class II molecules. Adorini L. **Br J Rheumatol** 1991;30 Suppl 2:10–3 (12 ref.)
Molecules that modify antigen recognition. Koch N, et al. **Curr Opin Immunol** 1991 Feb;3(1):10–5 (54 ref.)
Contribution of endosomal acidification to antigen processing. McCoy KL. **Semin Immunol** 1990 Jul; 2(4):239–46 (42 ref.)

PHYSIOLOGY

Cellular mechanisms of antigen processing and the function of class I and II major histocompatibility complex molecules. Harding CV, et al. **Cell Regul** 1990 Jun; 1(7):499–509 (81 ref.)
CD4 and CD8 recognition of class II and class I molecules of the major histocompatibility complex. Fleury SG, et al. **Semin Immunol** 1991 May;3(3):177–85 (57 ref.)
Immunogenetics of the HLA system. Choo SY. **Yonsei Med J** 1991 Mar;32(1):1–8 (33 ref.)

THERAPEUTIC USE

The use of class II MHC binding peptides in immunotherapy. Wraith DC. **Br J Rheumatol** 1991;30 Suppl 2:14–6 (7 ref.)

HISTOCOMPATIBILITY ANTIGENS, MINOR see **MINOR HISTOCOMPATIBILITY ANTIGENS**

HISTOCOMPATIBILITY COMPLEX see **MAJOR HISTOCOMPATIBILITY COMPLEX**

HISTOCOMPATIBILITY LOCI, MINOR see **MINOR HISTOCOMPATIBILITY LOCI**

HISTOCOMPATIBILITY TESTING

The use of the kidney with an historical positive, and current negative crossmatch. Cardella CJ. **Pediatr Nephrol** 1991 Jan;5(1):126–9 (27 ref.)
Influence of human leukocyte antigen matching in cardiac transplantation. Festenstein H, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):213–20 (53 ref.)
Advances in and future of tissue typing. Möller E. **Transplant Proc** 1991 Feb;23(1 Pt 1):63–6 (18 ref.)
[Class II HLA typing based on the restriction fragment length polymorphisms of DNA] Aldaccak R, et al. **Rev Fr Transfus Hemobiol** 1990 Jun;33(3):175–201 (35 ref.) **(Fre)**

METHODS

[Class II HLA typing based on the restriction fragment length polymorphisms of DNA] Aldaccak R, et al. **Rev Fr Transfus Hemobiol** 1990 Jun;33(3):175–201 (35 ref.) **(Fre)**

HISTOCYTOCHEMISTRY

The use of cytochemical procedures in the diagnosis and management of acute and chronic myeloid leukemia. Elghetany MT, et al. **Clin Lab Med** 1990 Dec;10(4):707–20 (86 ref.)
Notes on the application of microwaves in histopathology. Suurmeijer AJ, et al. **Histochem J** 1990 Jun-Jul; 22(6-7):341–6 (24 ref.)
Quantification of enzyme activities in brain sections by microphotometry. Kugler P. **Int J Biochem** 1991; 23(7-8):657–61 (26 ref.)
Neoglycoproteins as tools in glycohistochemistry. Gabius HJ, et al. **Prog Histochem Cytochem** 1991;22(3):1–16 (174 ref.)

INSTRUMENTATION

Physics of microwave technology in histochemistry. Kok LP, et al. **Histochem J** 1990 Jun-Jul;22(6-7):381–8 (7 ref.)

METHODS

Indoxyl alfa-D-galactoside as the temporarily last substrate for glycosidase histochemistry. The present state of the art in histochemical glycosidase research using indoxyl glycosidas. Gossrau R. **Folia Histochem Cytobiol** 1990; 28(3):129–43 (85 ref.)
'Trouble-shooting' microwave accelerated procedures in histology and histochemistry: understanding and dealing with artefacts, errors and hazards. Horobin RW, et al. **Histochem J** 1990 Jun-Jul;22(6-7):371–6 (0 ref.)
Freeze-fracture cytochemistry: a simplified guide and update on developments. Severs NJ. **J Microsc** 1991 Jan;161 (Pt 1):109–34 (104 ref.)
Applications of autometallography to heavy metal toxicology. Danscher G. **Pharmacol Toxicol** 1991 Jun; 68(6):414–23 (100 ref.)
The tetrazolium-formazan system: design and histochemistry. Seidler E. **Prog Histochem Cytochem** 1991;24(1):1–86 (210 ref.)
Applied histochemistry and cytochemistry. Eckert H. **Z Erkr Atmungsorgane** 1991;176(2-3):122–7 (5 ref.)
[Methodological approaches to detecting mRNA in histological sections] Luk'ianov SA, et al. **Ontogenez** 1990 Sep-Oct;21(5):455–65 (42 ref.) (Eng. Abstr.) **(Rus)**
[The clinical aspects of the use of chemiluminescent analysis (a review of the literature)] Afonina GB, et al. **Vrach Delo** 1990 Sep;(9):73–8 (40 ref.) **(Rus)**

HISTOLOGICAL TECHNIQUES

Standardization of the Feulgen reaction for absorption DNA image cytometry: a review. Schulte EK. **Anal Cell Pathol** 1991 May;3(3):167–82 (120 ref.)
Histochemical strategies in the study of neural evolution. Brauth SE. **Brain Behav Evol** 1990;36(2-3):100–15 (85 ref.)
Modelling and analysis of 3-D arrangements of particles by point processes with examples of application to biological data obtained by confocal scanning light microscopy. König D, et al. **J Microsc** 1991 Mar;161 (Pt 3):405–33 (48 ref.)
New aspects of bacterial ultrastructure as revealed by modern acrylics for electron microscopy. Hobot JA. **J Struct Biol** 1990 Jul-Sep;104(1-3):169–77 (40 ref.)
Advances in histological methods open up new perspectives for craniofacial growth research. Thesleff I, et al. **Proc Finn Dent Soc** 1991;87(1):23–32 (24 ref.)
Applied histochemistry and cytochemistry. Eckert H. **Z Erkr Atmungsorgane** 1991;176(2-3):122–7 (5 ref.)
[Cell hybridization (in situ hybridization). Methods and application, particularly to human pathology of viral origin] Fournier JG. **Ann Pathol** 1991;11(2):80–91 (94 ref.) **(Fre)**
[New histopathologic techniques for determining prognosis] Genton CY. **Arch Gynecol Obstet** 1990;247 Suppl:S81–5 (22 ref.) **(Fre)**
[New developments from the laboratory: progress in histologic and histochemical diagnosis in the gynecologic laboratory] Müller-Holzner E, et al. **Gynakol Rundsch** 1990;30 Suppl 1:124–30 (3 ref.) **(Ger)**

INSTRUMENTATION

Ultramicrotomy of biological objects: from the beginning to the present. Villiger W, et al. **J Struct Biol** 1990 Jul-Sep; 104(1-3):178–88 (159 ref.)

HISTOMONIASIS see **PROTOZOAN INFECTIONS**

HISTONE H1 KINASE, M PHASE-SPECIFIC see **MATURATION-PROMOTING FACTOR**

HISTONE KINASE P34(CDC2) see **PROTEIN P34CDC2**

HISTONES

BIOSYNTHESIS

The regulation of histone synthesis in the cell cycle. Osley MA. **Annu Rev Biochem** 1991;60:827–61 (230 ref.)

GENETICS

The regulation of histone gene expression during the cell cycle. Heintz N. **Biochim Biophys Acta** 1991 Mar 26; 1088(3):327–39 (69 ref.)
Histone structure and function. Smith MM. **Curr Opin Cell Biol** 1991 Jun;3(3):429–37 (47 ref.)
Cell cycle-regulated gene expression in transgenic plant cells. Kawata T, et al. **Dev Genet** 1990;11(3):205–13 (39 ref.)
Histone deletion mutants challenge the molecular clock hypothesis. Behe MJ. **Trends Biochem Sci** 1990 Oct; 15(10):374–6 (14 ref.)
Nucleosomes: regulators of transcription. Grunstein M. **Trends Genet** 1990 Dec;6(12):395–400 (35 ref.)

IMMUNOLOGY

The role of cationic proteins in the pathogenesis of immune complex glomerulonephritis. Vogt A, et al. **Nephrol Dial Transplant** 1990;5 Suppl 1:6–9 (34 ref.)

METABOLISM

More than just "histone-like" proteins. Schmid MB. **Cell** 1990 Nov 2;63(3):451–3 (18 ref.)
Histone H1-DNA interactions and their relation to chromatin structure and function. Zlatanova J, et al. **DNA Cell Biol** 1991 May;10(4):239–48 (98 ref.)
Histone acetylation: recent approaches to a basic mechanism of genome organization. Pfeffer U, et al. **Int J Biochem** 1991;23(3):277–85 (78 ref.)
DNA sequence specific interactions of histone H1. Zlatanova J, et al. **Mol Biol Rep** 1991 Feb;15(1):53–6 (24 ref.)
Vertebrate protamine genes and the histone-to-protamine replacement reaction. Oliva R, et al. **Prog Nucleic Acid Res Mol Biol** 1991;40:25–94 (287 ref.)

PHYSIOLOGY

Histone function in transcription. Grunstein M. **Annu Rev Cell Biol** 1990;6:643–78 (212 ref.)
Histone H1 and the conformation of transcriptionally active chromatin. Garrard WT. **Bioessays** 1991 Feb;13(2):87–8 (20 ref.)

HISTOPLASMOSIS

Fungal infections in pediatric patients. Bosso JA. **Pharmacotherapy** 1990;10(6 (Pt 3)):150S–153S (24 ref.)
Histoplasmosis: update 1989. Davies SF. **Semin Respir Infect** 1990 Jun;5(2):93–104 (40 ref.)

COMPLICATIONS

Prostatic abscess due to histoplasma capsulatum in the acquired immunodeficiency syndrome. Marans HY, et al. **J Urol** 1991 Jun;145(6):1275–6 (29 ref.)

Disseminated histoplasmosis in the acquired immune deficiency syndrome: clinical findings, diagnosis and treatment, and review of the literature. Wheat LJ, et al. **Medicine (Baltimore)** 1990 Nov;69(6):361–74 (55 ref.)
Progressive disseminated histoplasmosis in the acquired immunodeficiency syndrome: a model for disseminated disease. Sarosi GA, et al. **Semin Respir Infect** 1990 Jun; 5(2):146–50 (22 ref.)

DIAGNOSIS

Histoplasmosis: a masquerader of sarcoidosis. Sharma OP. **Sarcoidosis** 1991 Mar;8(1):10–3 (12 ref.)

DRUG THERAPY

Nonsurgical treatment of Histoplasma endocarditis involving a bioprosthetic valve. Kanawaty DS, et al. **Chest** 1991 Jan; 99(1):253–6 (18 ref.)

PATHOLOGY

Oral manifestations of disseminated histoplasmosis in acquired immunodeficiency syndrome: report of two cases and review of the literature. Eisig S, et al. **J Oral Maxillofac Surg** 1991 Mar;49(3):310–3 (16 ref.)

HISTORICAL COHORT STUDIES see **COHORT STUDIES**

HISTORIOGRAPHY

[The outlook for evolutionary physiology (from the viewpoint of the historian of science)] Mirzoian EN. **Zh Evol Biokhim Fiziol** 1990 Jul–Aug;26(4):433–40 (48 ref.) **(Rus)**

HIV

The biochemistry of AIDS. Vaishnav YN, et al. **Annu Rev Biochem** 1991;60:577–630 (393 ref.)
Viruses and cancer of the immune system. Srinivasan A, et al. **Curr Opin Immunol** 1989–90;2(5):714–8 (23 ref.)
The first human retroviruses: are there others? Gallo RC, et al. **Microbiol Sci** 1985;2(4):97–8, 101–4 (66 ref.)
Virus–host interactions in human immunodeficiency virus infection. Geelen JL, et al. **Prog Med Virol** 1991;38:27–41 (82 ref.)
Blood protein derivative viral safety: observations and analysis. Horowitz B. **Yale J Biol Med** 1990 Sep–Oct; 63(5):361–9 (49 ref.)
[Biology of the human immunodeficiency virus: a review] Ramírez–Ramírez CR, et al. **Bol Asoc Med P R** 1991 Mar; 83(3):109–11 (5 ref.) (Eng. Abstr.) **(Spa)**

CLASSIFICATION

[Visna and AIDS—various comparative aspects] Georgsson G, et al. **Nord Med** 1991;106(4):112–5 (15 ref.) (Eng. Abstr.) **(Dan)**

DRUG EFFECTS

Human immunodeficiency virus structure: implications for antiviral design. Arnold E, et al. **Adv Virus Res** 1991; 39:1–87 (503 ref.)
Biochemical pharmacology of acyclic nucleotide analogues. Bronson JJ, et al. **Ann N Y Acad Sci** 1990;616:398–407 (24 ref.)
Antiviral drug resistance. Coen DM. **Ann N Y Acad Sci** 1990; 616:224–37 (72 ref.)
Anabolism and mechanism of action of Ro24–5098, an isomer of 2',3'-dideoxyadenosine (ddA) with anti-HIV activity. Frank KB, et al. **Ann N Y Acad Sci** 1990;616:408–14 (15 ref.)
Acquired immune deficiency syndrome (AIDS). Progress in drug research and therapeutic potential. Georgiev VS, et al. **Ann N Y Acad Sci** 1990;616:1–10 (8 ref.)
New developments in combination chemotherapy of anti-human immunodeficiency virus drugs. Johnson VA, et al. **Ann N Y Acad Sci** 1990;616:318–27 (35 ref.)
Preclinical evaluation of antiviral compounds in the SCID–hu mouse. McCune JM, et al. **Ann N Y Acad Sci** 1990;616:281–6 (22 ref.)
Comparative studies of 2',3'-didehydro–2',3'-dideoxythymidine (D4T) with other pyrimidine nucleoside analogues. Martin JC, et al. **Ann N Y Acad Sci** 1990;616:22–8 (35 ref.)
Rational targets for design and synthesis of anti-HIV agents. Pearson ML. **Ann N Y Acad Sci** 1990;616:86–9 (1 ref.)
The human immunodeficiency virus TAT protein. A target for antiviral agents. Sim IS. **Ann N Y Acad Sci** 1990; 616:64–72 (41 ref.)
Pharmacologic studies of nucleosides active against the human immunodeficiency virus. Sommadossi JP, et al. **Ann N Y Acad Sci** 1990;616:356–66 (33 ref.)
Initial clinical experience with dideoxynucleosides as single agents and in combination therapy. Yarchoan R, et al. **Ann N Y Acad Sci** 1990;616:328–43 (59 ref.)
Innovations in the use of antisense oligonucleotides. Zon G. **Ann N Y Acad Sci** 1990;616:161–72 (72 ref.)
Computer-assisted structure-activity correlations of dideoxynucleoside analogs as potential anti-HIV drugs. Nasr M, et al. **Antiviral Res** 1990 Sep;14(3):125–48 (88 ref.)
Dextran inhibition of human immunodeficiency virus. Heidorn L, et al. **DICP** 1991 Jun;25(6):606–7 (13 ref.)
AZT resistance in isolates of HIV. Richman DD. **Immunodefic Rev** 1991;2(4):315–8 (15 ref.)
Basic approaches to anti-retroviral treatment. De Clercq E. **J Acquir Immune Defic Syndr** 1991;4(3):207–18 (47 ref.)
New antiretroviral agents in the clinic. Myers MW. **Rev Infect Dis** 1990 Sep–Oct;12(5):944–50 (11 ref.)
Survival and disinfectant inactivation of the human immunodeficiency virus: a critical review. Sattar SA, et al. **Rev Infect Dis** 1991 May–Jun;13(3):430–47 (98 ref.)
[Therapy of HIV infection (AIDS)] Haustein UF. **Z Gesamte Inn Med** 1991 Jun;46(8):263–70 (42 ref.) (Eng. Abstr.) **(Ger)**
[Different sensitivity to acid reaction of the AIDS virus and virus–producing cells: clinical conclusions] Ongrádi J, et al. **Orv Hetil** 1990 Sep 9;131(36):1959–64 (42 ref.) (Eng. Abstr.) **(Hun)**

ENZYMOLOGY

DNA polymerases versus HIV reverse transcriptase in AIDS therapy. Cheng YC, et al. **Ann N Y Acad Sci** 1990; 616:217–23 (21 ref.)
HIV reverse transcriptase structure–function relationships. Jacobo–Molina A, et al. **Biochemistry** 1991 Jul 2; 30(26):6351–6 (69 ref.)

GENETICS

Transgenic mice carrying HIV proviral DNA. Pezen DS, et al. **Biotechnology** 1991;16:213–26 (23 ref.)
Modulation of HIV–enhancer activity by heterologous agents: a minireview. Chinnadurai G. **Gene** 1991 May 30; 101(2):165–70 (44 ref.)
Genetic regulation of human immunodeficiency virus. Steffy K, et al. **Microbiol Rev** 1991 Jun;55(2):193–205 (123 ref.)
HIV trans–activation and transcription control mechanisms. Jones KA. **New Biol** 1989 Nov;1(2):127–35 (53 ref.)
Regulation of expression of human immunodeficiency virus. Pavlakis GN, et al. **New Biol** 1990 Jan;2(1):20–31 (141 ref.)
Regulation of HIV gene expression by RNA–protein interactions. Rosen CA. **Trends Genet** 1991 Jan;7(1):9–14 (44 ref.)
[AIDS: acquired immunodeficiency syndrome] Sener B, et al. **Mikrobiyol Bul** 1989 Oct;23(4):379–87 (14 ref.) (Eng. Abstr.) **(Tur)**

GROWTH & DEVELOPMENT

Role of polymorphonuclear leukocytes in infection by retroviruses with emphasis on the human immunodeficiency virus. Mertins SD, et al. **Viral Immunol** 1990 Fall;3(3):173–94 (111 ref.)

IMMUNOLOGY

The quest for an AIDS vaccine: the state of the art and current challenges. Kurth R, et al. **AIDS Res Hum Retroviruses** 1991 May;7(5):425–33 (26 ref.)
Molecular interactions between HIV and the T lymphocyte. Phillips RE. **Biochim Biophys Acta** 1990 Nov 14; 1096(1):10–3 (39 ref.)
Concepts of idiotype–based vaccines for hepatitis B virus and human immunodeficiency virus. Kennedy RC, et al. **Can J Microbiol** 1990 Nov;36(11):811–6 (31 ref.)
Prospects for an HIV–vaccine. Wigzell H. **FASEB J** 1991 Jul;5(10):2406–11 (39 ref.)
MHC–restricted cytotoxicity against HIV. Autran B, et al. **J Acquir Immune Defic Syndr** 1991;4(4):361–7 (63 ref.)
Approaches and issues in the development of vaccines against HIV. Berzofsky JA. **J Acquir Immune Defic Syndr** 1991; 4(5):451–9 (91 ref.)
Women, HIV, and mucosal immunity [see comments] Forrest BD. **Lancet** 1991 Apr 6;337(8745):835–6 (24 ref.) Comment in: Lancet 1991 May 25;337(8752):1289.
Specific immunity to HIV and other retroviral infections. Gorny MK, et al. **Prog AIDS Pathol** 1989;1:181–99 (140 ref.)
Induction of autoantibodies by human immunodeficiency virus infection and their significance. Solinger AM, et al. **Rheum Dis Clin North Am** 1991 Feb;17(1):157–76 (152 ref.)
Vaccines against STDs: specific considerations? Wigzell H. **Scand J Infect Dis Suppl** 1990;69:207–11 (9 ref.)
[The immunology of tuberculosis and human immunodeficiency virus] Nicod L. **Rev Mal Respir** 1991; 8(3):277–81 (43 ref.) (Eng. Abstr.) **(Fre)**
[New aspects in HIV diagnosis] Gürtler L, et al. **Internist (Berl)** 1990 Sep;31(9):587–92 (11 ref.) **(Ger)**
[Therapy and immunologic prevention of HIV infection] Vogt M, et al. **Internist (Berl)** 1990 Sep;31(9):593–8 (38 ref.) **(Ger)**
[HIV diagnostics in the child—methodology, rational use and value] Grosch–Wörner I, et al. **Monatsschr Kinderheilkd** 1990 Dec;138(12):784–6 (9 ref.) (Eng. Abstr.) **(Ger)**
[Immunopathology of AIDS: involvement of phagocytic cells in HIV infection] Estévez ME, et al. **Medicina (B Aires)** 1989;49(6):615–20 (53 ref.) **(Spa)**

PATHOGENICITY

Macrophages as susceptible targets for HIV infection, persistent viral reservoirs in tissue, and key immunoregulatory cells that control levels of virus replication and extent of disease. Meltzer MS, et al. **AIDS Res Hum Retroviruses** 1990 Aug;6(8):967–71 (25 ref.)
Mother–to–child transmission of human immunodeficiency virus. Rossi P, et al. **FASEB J** 1991 Jul;5(10):2419–26 (66 ref.)
The pathogenesis of HIV infection. Levy JA. **Hosp Pract [Off]** 1990 Nov 15;25(11):41–8 (10 ref.)
Does HIV cause AIDS? An updated response to Duesberg's theories. Kurth R. **Intervirology** 1990;31(6):301–14 (64 ref.)
Immunopathology and pathogenesis of human immunodeficiency virus infection. Rosenberg ZF, et al. **Pediatr Infect Dis J** 1991 Mar;10(3):230–8 (88 ref.)
Do we know the cause(s) of AIDS? Root–Bernstein RS. **Perspect Biol Med** 1990 Summer;33(4):480–500 (130 ref.)

PHYSIOLOGY

Pediatric HIV infection: a review. Calvelli TA, et al. **Immunodefic Rev** 1990;2(2):83–127 (224 ref.)
The human immunodeficiency viruses. Detection and pathogenesis. Levy JA. **Immunol Ser** 1989;44:159–229 (296 ref.)
Acquired immune deficiency syndrome and the developing nervous system. Brenneman DE, et al. **Int Rev Neurobiol** 1990;32:305–53 (223 ref.)
Cytomegalovirus as a possible cofactor in HIV disease progression. Webster A. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S47–52 (23 ref.)
Tuberculosis and the acquired immune deficiency syndrome. Festenstein F, et al. **J Appl Bacteriol** 1991 Jul;71(1):19–30 (78 ref.)
Human retroviruses: a decade of discovery and link with human disease. Gallo RC. **J Infect Dis** 1991 Aug; 164(2):235–43 (20 ref.)
Virus dissemination via the lymphomyeloid complex. Yoffey JM. **Lymphology** 1990 Jun;23(2):60–3 (18 ref.)
Inhibition of receptor–mediated cellular entry of viruses including HIV: a perspective on further researches on chemotherapy in viral diseases including AIDS. Chaldakov GN. **Med Hypotheses** 1990 Dec;33(4):265–8 (28 ref.)
Relation of the pathogenesis of human immunodeficiency virus infection to various strategies for its control. Merigan TC, et al. **Rev Infect Dis** 1991 Mar–Apr;13(2):292–302 (159 ref.)

RADIATION EFFECTS

Activation of human immunodeficiency virus by ultraviolet radiation. Zmudzka BZ, et al. **Photochem Photobiol** 1990 Dec;52(6):1153–62 (67 ref.)

ULTRASTRUCTURE

The immunohistology of lymph nodes in HIV infection: a review. Wood GS. **Prog AIDS Pathol** 1990;2:25–32 (60 ref.)

HIV ANTIBODIES

see related
AIDS SERODIAGNOSIS

ANALYSIS

A simplified protocol for banking bone from surgical donors requiring a 90–day quarantine and an HIV–1 antibody test. La Prairie AJ, et al. **Can J Surg** 1991 Feb;34(1):41–8 (61 ref.)
Laboratory methods in the diagnosis and prognostic staging of infection with human immunodeficiency virus type I. Davey RT Jr, et al. **Rev Infect Dis** 1990 Sep–Oct; 12(5):912–30 (78 ref.)
Induction of autoantibodies by human immunodeficiency virus infection and their significance. Solinger AM, et al. **Rheum Dis Clin North Am** 1991 Feb;17(1):157–76 (152 ref.)
[New aspects in HIV diagnosis] Gürtler L, et al. **Internist (Berl)** 1990 Sep;31(9):587–92 (11 ref.) **(Ger)**

BIOSYNTHESIS

Antibody responses in HIV infection [editorial; comment] Pinching AJ. **Clin Exp Immunol** 1991 May;84(2):181–4 (31 ref.) Comment on: Clin Exp Immunol 1991 May;84(2):185–9.

BLOOD

Human immunodeficiency virus antibody responses determined by site–directed serology. Norrby E. **Intervirology** 1990;31(6):315–26 (55 ref.)

PHYSIOLOGY

FcR–mediated enhancement of HIV–1 infection by antibody. Takeda A, et al. **AIDS Res Hum Retroviruses** 1990 Aug; 6(8):999–1004 (42 ref.)

HIV ANTIBODY POSITIVE see **HIV SEROPOSITIVITY**

HIV ANTIGENS

The use of synthetic peptides in the diagnosis of HIV infections. Petrov RV, et al. **Biomed Sci** 1990 Mar; 1(3):239–44 (20 ref.)

ANALYSIS

Laboratory methods in the diagnosis and prognostic staging of infection with human immunodeficiency virus type I. Davey RT Jr, et al. **Rev Infect Dis** 1990 Sep–Oct;

12(5):912–30 (78 ref.)
[Immunoenzyme analysis for the detection of HIV antigens (its use, potentials and limits)] Andzhaparidze OG, et al. **Vopr Virusol** 1991 May–Jun;36(3):180–1 (40 ref.) **(Rus)**

IMMUNOLOGY

Human immunodeficiency virus antibody responses determined by site-directed serology. Norrby E. **Intervirology** 1990;31(6):315–26 (55 ref.)
MHC-restricted cytotoxicity against HIV. Autran B, et al. **J Acquir Immune Defic Syndr** 1991;4(4):361–7 (63 ref.)

HIV-ASSOCIATED ANTIBODIES see **HIV ANTIBODIES**

HIV-ASSOCIATED ANTIGENS see **HIV ANTIGENS**

HIV-ASSOCIATED NEPHROPATHY see **AIDS-ASSOCIATED NEPHROPATHY**

HIV DEMENTIA see **AIDS DEMENTIA COMPLEX**

HIV ENCEPHALOPATHY see **AIDS DEMENTIA COMPLEX**

HIV ENHANCER

see related
NF-KAPPA B

PHYSIOLOGY

Modulation of HIV-enhancer activity by heterologous agents: a minireview. Chinnadurai G. **Gene** 1991 May 30; 101(2):165–70 (44 ref.)

HIV ENVELOPE PROTEIN GP41

PHYSIOLOGY

The envelope of HIV-1 as a key component to infectivity. Buchbinder A. **Prog AIDS Pathol** 1990;2:1–11 (84 ref.)

HIV ENVELOPE PROTEIN GP120

see related
PEPTIDE T

IMMUNOLOGY

Passive immunization to prevent mother-infant transmission of human immunodeficiency virus: current issues and future directions. Mofenson LM, et al. **Pediatr Infect Dis J** 1991 Jun;10(6):456–62 (48 ref.)

PHYSIOLOGY

The envelope of HIV-1 as a key component to infectivity. Buchbinder A. **Prog AIDS Pathol** 1990;2:1–11 (84 ref.)
The interaction of CD4 with HIV-1 gp120. Silberman SL, et al. **Semin Immunol** 1991 May;3(3):187–92 (50 ref.)

HIV INFECTIONS

Primary HIV infection: host responses and intervention strategies. Tindall B, et al. **AIDS** 1991 Jan;5(1):1–14 (146 ref.)
Position paper: the HIV-infected health care worker. The Association for Practitioners in Infection Control. The Society of Hospital Epidemiologists of America. **Am J Infect Control** 1990 Dec;18(6):371–82 (31 ref.)
Is it time for a comprehensive AIDS medical center? Emanuel EJ, et al. **Am J Med** 1991 Jul;91(1):74–9 (36 ref.)
Cutaneous drug reactions in human immunodeficiency virus infection [editorial; comment] Coopman SA, et al. **Arch Dermatol** 1991 May;127(5):714–7 (27 ref.) Comment on: Arch Dermatol 1991 May;127(5):740–1. Comment on: Arch Dermatol 1991 May;127(5):741–2.
Human immunodeficiency virus infection in pregnancy. MacGregor SN. **Clin Perinatol** 1991 Mar;18(1):33–50 (82 ref.)
Natural history of human immunodeficiency virus infection. Michael NL, et al. **Dermatol Clin** 1991 Jul;9(3):429–41 (94 ref.)
Pediatric HIV infection: a review. Calvelli TA, et al. **Immunodefic Rev** 1990;2(2):83–127 (224 ref.)
HIV infection in the pediatric age group. Bhakoo ON, et al. **Indian Pediatr** 1990 Aug;27(8):891–8 (34 ref.)
HIV infection in children: clinical features and management. Scott GB. **J Acquir Immune Defic Syndr** 1991;4(2):109–15 (28 ref.)
Caring for women at risk of HIV infection. Anastos K, et al. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S40–6 (34 ref.)
Primary care and HIV disease. Smith MD. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S56–62 (47 ref.)
HIV disease in the intravenous drug user: role of the primary care physician. Wartenberg AA. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S35–40 (41 ref.)
Neuro-ophthalmic manifestations of human immunodeficiency virus infection. Friedman DI. **Neurol Clin** 1991 Feb;9(1):55–72 (92 ref.)
Pediatric HIV infection. Abrams EJ, et al. **Pediatr Ann** 1990 Aug;19(8):482–3, 485–7 (6 ref.)
Maternal and perinatal issues regarding HIV infection. Lambert JS. **Pediatr Ann** 1990 Aug;19(8):468–72 (25 ref.)
AIDS and human immunodeficiency virus infections: update 1990. Krieger JN. **Semin Urol** 1991 Feb;9(1):32–9 (18 ref.)
[Clinical aspects of the pathophysiology of HIV infection. II] Svoboda J. **Cas Lek Cesk** 1991 Mar 8;130(10):296–8 (0 ref.) (Eng. Abstr.) **(Cze)**
[Clinical aspects of the pathophysiology of HIV infection. I] Svoboda J. **Cas Lek Cesk** 1991 Mar 8;130(10):292–5 (0 ref.) (Eng. Abstr.) **(Cze)**
[Multiple condylomata of the urethra and bladder disclosing HIV infection] Asvesti C, et al. **Ann Urol (Paris)** 1991; 25(3):146–9 (23 ref.) (Eng. Abstr.) **(Fre)**
[HIV infection and acquired immunodeficiency syndrome. I.] Melino C, et al. **Clin Ter** 1991 Apr 30;137(2):91–111 (88 ref.) (Eng. Abstr.) **(Ita)**
[The human immunodeficiency virus type 2] Bektimirov TA. **Vopr Virusol** 1990 May–Jun;35(3):180–3 (74 ref.) **(Rus)**

BLOOD

Serological investigations of human immunodeficiency virus (HIV) infection. Lindhardt BO. **Dan Med Bull** 1991 Feb; 38(1):22–36 (314 ref.)
Hemostatic abnormalities in HIV disease. Stricker RB. **Hematol Oncol Clin North Am** 1991 Apr;5(2):249–65 (140 ref.)

CEREBROSPINAL FLUID

[Study of human immunodeficiency virus in the cerebrospinal fluid. Value and limitations] Buffet R, et al. **Presse Med** 1991 Jun 22;20(24):1124–8 (26 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Ki-1+ anaplastic large-cell lymphoma of T-cell origin in an HIV-infected patient. González-Clemente JM, et al. **AIDS** 1991 Jun;5(6):751–5 (38 ref.)
Porphyria cutanea tarda associated with HIV infection [letter] Lafeuillade A, et al. **AIDS** 1990 Sep;4(9):924 (8 ref.)
Review of neuropsychological studies of HIV infection. Kocsis A. **AIDS Care** 1990;2(4):385–8 (3 ref.)
Evaluation and treatment of pruritus in the HIV-infected patient. Berger TG. **AIDS Clin Rev** 1989;:205–20 (26 ref.)
Tuberculosis and HIV disease. Johnson MP, et al. **AIDS Clin Rev** 1991;:109–26 (46 ref.)
Pathogenesis and treatment of HIV-related immune thrombocytopenia. Stricker RB. **AIDS Clin Rev** 1990; :95–114 (95 ref.)
Controversies regarding the natural history and treatment of syphilis in HIV disease. Tramont EC. **AIDS Clin Rev** 1991;:97–107 (47 ref.)
Clinical overview of acquired immune deficiency syndrome (AIDS) and human immunodeficiency virus (HIV)-related disease. Barnes KE. **Am Ind Hyg Assoc J** 1990 Nov; 51(11):A738–41 (22 ref.)
Pyomyositis in patients with the human immunodeficiency virus: an unusual form of disseminated bacterial infection. Widrow CA, et al. **Am J Med** 1991 Aug;91(2):129–36 (46 ref.)
Primary prophylaxis against common infectious diseases in persons with human immunodeficiency virus infection. Girard PM, et al. **Am Rev Respir Dis** 1991 Feb; 143(2):447–50 (30 ref.)
Sarcoidosis complicated by HIV infection: three case reports and a review of the literature. Lowery WS, et al. **Am Rev Respir Dis** 1990 Oct;142(4):887–9 (25 ref.)
Effect of human immunodeficiency virus (HIV) infection on the course of syphilis and on the response to treatment. Musher DM, et al. **Ann Intern Med** 1990 Dec 1; 113(11):872–81 (129 ref.)
Infections in HIV-infected travelers: risks and prevention. Wilson ME, et al. **Ann Intern Med** 1991 Apr 1; 114(7):582–92 (125 ref.)
Cutaneous manifestations of human immunodeficiency virus infection. Part I. Dover JS, et al. **Arch Dermatol** 1991 Sep; 127(9):1383–91 (0 ref.)
Interrelationships between human immunodeficiency virus and cytomegalovirus. Campbell AE. **Arch Immunol Ther Exp (Warsz)** 1990;38(1–2):165–70 (34 ref.)
Human immunodeficiency virus infection and the skin. A crucial interface. Cockerell CJ. **Arch Intern Med** 1991 Jul; 151(7):1295–303 (48 ref.)
Psychiatric manifestations of HIV disease. Catalan J. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):547–62 (74 ref.)
Human immunodeficiency virus infection and the intestine. Griffin GE. **Baillieres Clin Gastroenterol** 1990 Sep; 4(3):657–73 (59 ref.)
Malabsorption, malnutrition and HIV disease. Griffin GE. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):361–73 (44 ref.)
Non-opportunistic causes of diarrhoea in HIV infection. Riecken EO, et al. **Baillieres Clin Gastroenterol** 1990 Jun; 4(2):385–403 (96 ref.)
Oral manifestations of HIV disease. Smith D, et al. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):315–37 (100 ref.)
An AIDS C of oral health care in patients with HIV infection. Scully C, et al. **Br Dent J** 1991 Feb 23;170(4):149–50 (18 ref.)
Kaposi's sarcoma [editorial] Dalgleish AG. **Br J Cancer** 1991 Jul;64(1):3–6 (42 ref.)
Oral candidosis in HIV-infected patients. Gazzard BG, et al. **Br J Clin Pract Symp Suppl** 1990 Sep;71:103–8 (25 ref.)
Prophylaxis and treatment of Pneumocystis carinii pneumonia. O'Doherty MJ, et al. **Br J Hosp Med** 1991 May;45(5):277–8, 280, 283 (44 ref.)
First experience with BCG discontinuation in Europe. BCG vaccination and HIV infection. ten Dam HG. **Bull Int Union Tuberc Lung Dis** 1990 Jun–Sep;65(2–3):38–9 (16 ref.)
Chemoprophylaxis and chemotherapy of tuberculosis in HIV infected patients. van Deutekom H. **Bull Int Union Tuberc Lung Dis** 1990 Jun–Sep;65(2–3):84–5 (5 ref.)
Angiocentric immunoproliferative lesion/T-cell non-Hodgkin's lymphoma and the acquired immune deficiency syndrome: a case report and review of the literature. Gold JE, et al. **Cancer** 1990 Dec 1;66(11):2407–13 (74 ref.)
Hodgkin's disease in association with human immunodeficiency virus infection. Pathologic and immunologic features. Pelstring RJ, et al. **Cancer** 1991 Apr 1;67(7):1865–73 (65 ref.)
The impact of human immunodeficiency virus infection on tuberculosis and its control. FitzGerald JM, et al. **Chest** 1991 Jul;100(1):191–200 (101 ref.)
Neutropenia in patients infected with human immunodeficiency virus. Israel DS, et al. **Clin Pharm** 1991 Apr;10(4):268–79 (104 ref.)
Human immunodeficiency virus (HIV)-associated pneumocystosis. Armstrong D, et al. **Curr Clin Top Infect Dis** 1991;11:19–34 (42 ref.)
HIV- and AIDS-related musculoskeletal problems. Rowe IF. **Curr Opin Rheumatol** 1990 Aug;2(4):642–7 (20 ref.)
Reiter's syndrome and human immunodeficiency virus infection: case report and review of the literature. Fuente C, et al. **Cutis** 1991 Mar;47(3):181–5 (7 ref.)
Noninfectious inflammatory skin diseases in HIV-infected individuals. Cockerell CJ. **Dermatol Clin** 1991 Jul; 9(3):531–41 (82 ref.)
Papulosquamous disorders associated with human immunodeficiency virus infection. Duvic M. **Dermatol Clin** 1991 Jul;9(3):523–30 (76 ref.)
Cutaneous manifestations of HIV infection in children. Prose NS. **Dermatol Clin** 1991 Jul;9(3):543–50 (65 ref.)
Histopathologic features of HIV-associated skin disease. Smith KJ, et al. **Dermatol Clin** 1991 Jul;9(3):551–78 (79 ref.)
Porphyria cutanea tarda associated with human immunodeficiency virus infection. A study of four cases and review of the literature. Boisseau AM, et al. **Dermatologica** 1991;182(3):155–9 (20 ref.)
The use of hematopoietic hormones in HIV infection and AIDS-related malignancies. Miles SA, et al. **Hematol Oncol Clin North Am** 1991 Apr;5(2):267–80 (41 ref.)
Human papillomavirus infection among HIV-infected individuals. Implications for development of malignant tumors. Palefsky J. **Hematol Oncol Clin North Am** 1991 Apr;5(2):357–70 (66 ref.)
HIV-related thrombocytopenia. Oksenhendler E, et al. **Immunodefic Rev** 1990;2(3):221–31 (47 ref.)
The persistent lymphadenopathy syndrome and immune thrombocytopenic purpura in HIV-infected individuals. Abrams DI. **Immunol Ser** 1989;44:323–43 (58 ref.)
Hairy leukoplakia and other oral features of HIV infection. Greenspan JS, et al. **Immunol Ser** 1989;44:449–65 (39 ref.)
Concomitant ganciclovir and zidovudine treatment for cytomegalovirus retinitis in patients with HIV infection: an approach to treatment. Causey D. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S16–21 (37 ref.)
Overview of cytomegalovirus infections in HIV-infected patients: current therapies and future strategies. Crumpacker CS, et al. **J Acquir Immune Defic Syndr** 1991; 4 Suppl 1:S1–5 (13 ref.)
Clinical use of ganciclovir for cytomegalovirus infection and the development of drug resistance. Drew WL. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S42–6 (24 ref.)
Diagnosis and treatment of cytomegalovirus retinitis. Henderly DE, et al. **J Acquir Immune Defic Syndr** 1991; 4 Suppl 1:S6–10 (18 ref.)
Cytomegalovirus as a possible cofactor in HIV disease progression. Webster A. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S47–52 (23 ref.)
The oral manifestations of HIV infection. Jordan RC, et al. **J Can Dent Assoc** 1991 Jan;57(1):59–61 (13 ref.)
Pancreatic involvement in human immunodeficiency virus infection. Bonacini M. **J Clin Gastroenterol** 1991 Feb; 13(1):58–64 (74 ref.)
Opportunistic protozoan infections in human immunodeficiency virus disease: review highlighting diagnostic and therapeutic aspects. Curry A, et al. **J Clin Pathol** 1991 Mar;44(3):182–93 (84 ref.)
Mycobacterial disease associated with HIV infection. Beck K. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S19–23 (29 ref.)
Clinical management of the complications of HIV infection. Cooney TG. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S12–8 (28 ref.)
Neurologic and psychiatric manifestations of HIV disease. Hollander H. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S24–31 (57 ref.)
Coccidioidomycosis in human immunodeficiency

virus-infected patients. Galgiani JN, et al. **J Infect Dis** 1990 Nov;162(5):1165–9 (32 ref.)

Syphilis, neurosyphilis, penicillin, and AIDS. Musher DM. **J Infect Dis** 1991 Jun;163(6):1201–6 (17 ref.)

HIV-associated nephropathy: report of a case and review of the literature. Josselson J. **Md Med J** 1991 Mar; 40(3):191–4 (44 ref.)

The interrelationship between human immunodeficiency virus infection and other sexually transmitted diseases. Moss GB, et al. **Med Clin North Am** 1990 Nov; 74(6):1647–60 (73 ref.)

HIV-1 infection and hematologic picture. Re MC, et al. **Microbiologica** 1991 Apr;14(2):165–76 (74 ref.)

Tuberculosis in patients with human immunodeficiency virus infection. Barnes PF, et al. **N Engl J Med** 1991 Jun 6; 324(23):1644–50 (60 ref.)

HIV-associated periodontal lesions: a study of the literature. Nantista L. **N Y State Dent J** 1990 Dec;56(10):28–30 (9 ref.)

Headache and acquired immunodeficiency syndrome. Goldstein J. **Neurol Clin** 1990 Nov;8(4):947–60 (25 ref.)

HIV-related non-Hodgkin's lymphoma. Stanley H, et al. **Oncol Nurs Forum** 1991 Jul;18(5):875–80 (34 ref.)

Oral manifestations of HIV infection and their management. I. More common lesions. Scully C, et al. **Oral Surg Oral Med Oral Pathol** 1991 Feb;71(2):158–66 (165 ref.)

Oral manifestations of HIV infection and their management. II. Less common lesions. Scully C, et al. **Oral Surg Oral Med Oral Pathol** 1991 Feb;71(2):167–71 (96 ref.)

Cutaneous diseases associated with HIV infection. Harawi SJ, et al. **Pathol Annu** 1991;26 Pt 1:265–309 (215 ref.)

Organ system involvement in HIV-infected children. Wiznia AA, et al. **Pediatr Ann** 1990 Aug;19(8):475–6, 479–81 (14 ref.)

Evaluating the HIV-infected child with pulmonary signs and symptoms. Cunningham SJ, et al. **Pediatr Emerg Care** 1991 Feb;7(1):32–7 (19 ref.)

Care of febrile children with HIV infection in the emergency department. Dorfman DH, et al. **Pediatr Emerg Care** 1990 Dec;6(4):305–10 (29 ref.)

Neurologic disorders and dermatologic manifestations in HIV-infected children. Zuckerman G, et al. **Pediatr Emerg Care** 1991 Apr;7(2):99–105 (49 ref.)

Syphilis. Musher D. **Pediatr Infect Dis J** 1990 Oct;9(10):768–9 (4 ref.)

Treatment of fungal infections in patients infected with the human immunodeficiency virus. Sugar AM. **Pharmacotherapy** 1990;10(6 (Pt 3)):154S–158S (26 ref.)

Motor disorders in patients with human immunodeficiency virus infection. Nath A, et al. **Prog AIDS Pathol** 1989; 1:159–66 (39 ref.)

Benign lymphoepithelial lesion and lymphoepithelial cyst of the parotid gland in HIV infection. Smith FB. **Prog AIDS Pathol** 1990;2:61–72 (32 ref.)

Neuropathologic complications of infection with the human immunodeficiency virus (HIV). Vinters HV, et al. **Prog AIDS Pathol** 1989;1:101–30 (169 ref.)

Hepatitis D virus and other chronic viral infections in high risk populations: interaction from an epidemiologic perspective. Stevens CE. **Prog Clin Biol Res** 1991;364:361–4 (3 ref.)

Nutritional disorders in HIV disease. Calderón E, et al. **Prog Food Nutr Sci** 1990;14(4):371–402 (97 ref.)

Human immunodeficiency virus infection and neurologic dysfunction. Wigdahl B, et al. **Prog Med Virol** 1990;37:1–46 (175 ref.)

Visceral leishmaniasis in HIV infection and AIDS: clinical features and response to therapy. Peters BS, et al. **Q J Med** 1990 Nov;77(283):1101–11 (49 ref.)

Cursed duet: HIV infection and tuberculosis. Murray JF. **Respiration** 1990;57(3):210–20 (58 ref.)

Listeriosis in patients infected with human immunodeficiency virus. Berenguer J, et al. **Rev Infect Dis** 1991 Jan–Feb; 13(1):115–9 (31 ref.)

The growing problem of mycoses in patients infected with the human immunodeficiency virus. Diamond RD. **Rev Infect Dis** 1991 May–Jun;13(3):480–6 (38 ref.)

Management of the hematologic complications of human immunodeficiency virus infection. Groopman JE. **Rev Infect Dis** 1990 Sep–Oct;12(5):931–7 (8 ref.)

Rhodococcus equi infection in patients with and without human immunodeficiency virus infection. Harvey RL, et al. **Rev Infect Dis** 1991 Jan–Feb;13(1):139–45 (36 ref.)

Cytomegalovirus in the setting of infection with human immunodeficiency virus [see comments] Schooley RT. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S811–9 (87 ref.) Comment in: Rev Infect Dis 1991 Mar–Apr;13(2):338.

Psoriasis and psoriatic arthritis associated with human immunodeficiency virus infection. Arnett FC, et al. **Rheum Dis Clin North Am** 1991 Feb;17(1):59–78 (119 ref.)

Vasculitis and infection with the human immunodeficiency virus. Calabrese LH. **Rheum Dis Clin North Am** 1991 Feb; 17(1):131–47 (53 ref.)

Human immunodeficiency virus-related connective tissue diseases: a Zimbabwean perspective. Davis P, et al. **Rheum Dis Clin North Am** 1991 Feb;17(1):89–97 (22 ref.)

Characteristics and pathogenesis of myositis in human immunodeficiency virus infection--distinction from azidothymidine-induced myopathy. Espinoza LR, et al. **Rheum Dis Clin North Am** 1991 Feb;17(1):117–29 (28 ref.)

Diffuse infiltrative lymphocytosis syndrome in human immunodeficiency virus infection—a Sjögren's-like disease. Itescu S. **Rheum Dis Clin North Am** 1991 Feb;17(1):99–115 (67 ref.)

Painful rheumatic syndromes associated with human immunodeficiency virus infection. Rynes RI. **Rheum Dis Clin North Am** 1991 Feb;17(1):79–87 (13 ref.)

Rhodococcus equi—an easily missed opportunistic pathogen. Doig C, et al. **Scand J Infect Dis** 1991;23(1):1–6 (25 ref.)

Human immunodeficiency virus, genital ulcers and the male foreskin: synergism in HIV-1 transmission. Jessamine PG, et al. **Scand J Infect Dis Suppl** 1990;69:181–6 (22 ref.)

Coccidioides immitis in patients with human immunodeficiency virus infections. Galgiani JN, et al. **Semin Respir Infect** 1990 Jun;5(2):151–4 (20 ref.)

[Respiratory failure in a HIV seropositive heroin addict female] Magnan A, et al. **Ann Fr Anesth Reanim** 1991; 10(1):74–6 (10 ref.) (Eng. Abstr.) **(Fre)**

[Liver and human immunodeficiency virus type 1] Lesur G, et al. **Ann Med Interne (Paris)** 1991;142(3):219–25 (62 ref.) **(Fre)**

[Visceral leishmaniasis and immunosuppression] Lortholary O, et al. **Ann Med Interne (Paris)** 1991;142(3):215–7 (45 ref.) **(Fre)**

[Cardiac pathology in human immunodeficiency virus infection] Paraf F, et al. **Arch Anat Cytol Pathol** 1990; 38(4):171–9 (134 ref.) (Eng. Abstr.) **(Fre)**

[Neurological complication of human immunodeficiency virus infection] Koralnik IJ, et al. **Presse Med** 1991 Jun 22;20(24):1129–35 (19 ref.) (Eng. Abstr.) **(Fre)**

[Pneumocystis carinii pneumonia in HIV infection. Diagnosis, prognostic factors and curative treatment] Saimot AG, et al. **Presse Med** 1991 Feb 16;20(6):258–64 (44 ref.) (Eng. Abstr.) **(Fre)**

[Clinical management by the respiratory physician of patients with HIV infections] Dautzenberg B, et al. **Rev Mal Respir** 1990;7(6):505–15 (40 ref.) (Eng. Abstr.) **(Fre)**

[Periarteritis nodosa-type vasculitis and infection with human immunodeficiency virus] Conri C, et al. **Rev Med Interne** 1991 Jan–Feb;12(1):47–51 (27 ref.) (Eng. Abstr.) **(Fre)**

[Consensus conference: pneumocystosis in HIV infections. 1st consensus conference in anti-infection therapeutics organized by "la Société de Pathologie Infectieuse de langue française", May 11, 1990] **Rev Pneumol Clin** 1990; 46(3):132–5 (0 ref.) **(Fre)**

[Pneumocystis carinii pneumonia in HIV infections. Committee of the 1st Consensus Conference of anti-infectious therapy organized in May 1990 in Paris by the Société de Pathologie Infectieuse de Langue Française] **Rev Pneumol Clin** 1990;46(4):141–53 (92 ref.) (Eng. Abstr.) **(Fre)**

[HIV infection. The prognostic value of buccal candidiasis and hairy leukoplakia in HIV infection. A critical and comparative analysis] Samson J, et al. **Schweiz Monatsschr Zahnmed** 1991;101(8):1026–32 (16 ref.) **(Fre)**

[HIV infection and the kidneys] Geiger H. **Dtsch Med Wochenschr** 1991 May 24;116(21):825–31 (83 ref.) **(Ger)**

[Tuberculosis and HIV infection] Lichterfeld A, et al. **Pneumologie** 1991 Jan;45(1):1–8 (100 ref.) **(Ger)**

[HIV infection and syphilis. Case description and literature review] Steiner A, et al. **Schweiz Med Wochenschr** 1991 Jan 19;121(3):67–71 (41 ref.) (Eng. Abstr.) **(Ger)**

[Bilateral radial nerve paralysis. Diagnostic and differential diagnostic aspects] Sturzenegger M, et al. **Schweiz Med Wochenschr** 1990 Sep 15;120(37):1325–34 (53 ref.) (Eng. Abstr.) **(Ger)**

[Primary and secondary neurologic manifestations in AIDS] Enzensberger W. **Verh Dtsch Ges Inn Med** 1990;96:524–9 (22 ref.) **(Ger)**

[Rheumatic manifestations in HIV infection] Seglias J, et al. **Z Rheumatol** 1990 Nov–Dec;49(6):324–8 (41 ref.) (Eng. Abstr.) **(Ger)**

[Pathogenesis and therapy of persistent infections associated with immunodeficiency syndromes] Votiakov VI, et al. **Klin Med (Mosk)** 1991 May;69(5):29–37 (28 ref.) **(Rus)**

[Epithelioid angiomatosis and HIV infection. A neoplastic or infectious proliferative disease?] Aguilar Ligorit E, et al. **An Med Interna** 1990 Jun;7(6):312–4 (25 ref.) (Eng. Abstr.) **(Spa)**

[Pathology related to infection with human immunodeficiency virus] Mostaza JM, et al. **An Med Interna** 1989 Apr;6(4):212–5 (41 ref.) (Eng. Abstr.) **(Spa)**

[Toxoplasmosis in patients with HIV infections: diagnosis and treatment] Bolao F, et al. **Enferm Infecc Microbiol Clin** 1990 Jun–Jul;8(6):376–83 (81 ref.) **(Spa)**

[Alithiasic cholecystitis and sclerosing cholangitis caused by Cryptosporidium and cytomegalovirus in a patient with HIV infection] Muñoz J, et al. **Enferm Infecc Microbiol Clin** 1989 Dec;7(10):547–50 (18 ref.) (Eng. Abstr.) **(Spa)**

[Meningitis caused by Candida tropicalis in a patient infected with human immunodeficiency virus (letter)] Sánchez Rodríguez A, et al. **Enferm Infecc Microbiol Clin** 1990 Nov; 8(9):588–9 (10 ref.) **(Spa)**

CONGENITAL

Pediatric acquired immunodeficiency virus syndrome. Yogev R. **Pediatr Infect Dis J** 1990 Oct;9(10):767–8 (4 ref.)

[HIV diagnostics in the child--methodology, rational use and value] Grosch-Wörner I, et al. **Monatsschr Kinderheilkd** 1990 Dec;138(12):784–6 (9 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Laboratory tests for HIV infection. Wilber JC. **AIDS Clin Rev** 1989;:53–67 (31 ref.)

New developments in diagnosing HIV infections. Wilber JC. **AIDS Clin Rev** 1991;:1–15 (47 ref.)

HIV disease: a review for the family physician. Part I. Evaluation and conventional therapy. Brooke GL, et al. **Am Fam Physician** 1990 Oct;42(4):971–80 (22 ref.)

Update on HIV infection. Bodsworth N, et al. **Aust Fam Physician** 1991 Jun;20(6):747, 750–1, 753–9 (11 ref.)

The use of synthetic peptides in the diagnosis of HIV infections. Petrov RV, et al. **Biomed Sci** 1990 Mar; 1(3):239–44 (20 ref.)

Acute HIV-infection: report of a case and a review of recent developments. van Gelder T, et al. **Neth J Med** 1990 Oct; 37(3–4):154–7 (20 ref.)

AIDS and pediatric neurology. Belman AL. **Neurol Clin** 1990 Aug;8(3):571–603 (163 ref.)

Neuropsychiatric manifestations of HIV infection. Beckett A. **New Dir Ment Health Serv** 1990 Winter;(48):33–42 (20 ref.)

Medical overview of HIV infection. Markowitz JC, et al. **New Dir Ment Health Serv** 1990 Winter;(48):21–31 (12 ref.)

Laboratory diagnosis of HIV infection. Krasinski K, et al. **Pediatr Clin North Am** 1991 Feb;38(1):17–35 (151 ref.)

Advances and problems in the diagnosis of human immunodeficiency virus infection in infants. Rogers MF, et al. **Pediatr Infect Dis J** 1991 Jul;10(7):523–31 (51 ref.)

Laboratory methods in the diagnosis and prognostic staging of infection with human immunodeficiency virus type 1. Davey RT Jr, et al. **Rev Infect Dis** 1990 Sep–Oct; 12(5):912–30 (78 ref.)

[HIV and nervous system manifestations: a review] Riedel RR, et al. **Fortschr Neurol Psychiatr** 1991 Mar;59(3):69–80 (167 ref.) (Eng. Abstr.) **(Ger)**

[New aspects in HIV diagnosis] Gürtler L, et al. **Internist (Berl)** 1990 Sep;31(9):587–92 (11 ref.) **(Ger)**

[HIV-associated opportunistic diseases: diagnostic and therapeutic possibilities in the clinic and general practice] Weber R, et al. **Internist (Berl)** 1990 Sep;31(9):553–66 (85 ref.) **(Ger)**

[HIV infection and the acquired immunodeficiency syndrome. II] Melino C, et al. **Clin Ter** 1991 May 31; 137(4):235–63 (78 ref.) (Eng. Abstr.) **(Ita)**

[PCR assay in HIV infections] Kurimura T, et al. **Nippon Rinsho** 1991 Feb;49(2):461–6 (4 ref.) **(Jpn)**

[Perinatal HIV-infection. Symptomatology, diagnosis and treatment] Brunvand L, et al. **Tidsskr Nor Laegeforen** 1991 Feb 10;111(4):436–9 (28 ref.) (Eng. Abstr.) **(Nor)**

[The syndromology and pathological anatomy of HIV infection (AIDS)] Kazantseva IA, et al. **Arkh Patol** 1990; 52(7):3–9 (62 ref.) (Eng. Abstr.) **(Rus)**

[Current methods of the immunodiagnosis of HIV infection (review of the literature)] Bel'gesov NV, et al. **Lab Delo** 1990;(9):39–43 (25 ref.) **(Rus)**

[Silent human immunodeficiency virus infections] Soriano V, et al. **Med Clin (Barc)** 1991 Apr 6;96(13):505–9 (70 ref.) **(Spa)**

[PCR--a highly sensitive method for identification and study of virus infections] Wadell G, et al. **Lakartidningen** 1990 Nov 21;87(47):3984–6, 3990 (33 ref.) (Eng. Abstr.) **(Swe)**

DRUG THERAPY

Zidovudine: clinical experience in symptomatic HIV disease. Fischl MA. **AIDS Clin Rev** 1989;:221–42 (31 ref.)

New developments in dideoxynucleoside antiretroviral therapy for HIV infection. Fischl MA. **AIDS Clin Rev** 1991;:197–214 (36 ref.)

Early events of HIV infection as targets for antiviral agents. Datema R. **Ann N Y Acad Sci** 1990;616:155–60 (48 ref.)

New developments in combination chemotherapy of anti-human immunodeficiency virus drugs. Johnson VA, et al. **Ann N Y Acad Sci** 1990;616:318–27 (35 ref.)

Preclinical evaluation of antiviral compounds in the SCID-hu mouse. McCune JM, et al. **Ann N Y Acad Sci** 1990;616:281–6 (22 ref.)

Initial clinical experience with dideoxynucleosides as single agents and in combination therapy. Yarchoan R, et al. **Ann N Y Acad Sci** 1990;616:328–43 (59 ref.)

Innovations in the use of antisense oligonucleotides. Zon G. **Ann N Y Acad Sci** 1990;616:161–72 (72 ref.)

Antiviral therapy of HIV infection. Richman DD. **Annu Rev Med** 1991;42:69–90 (149 ref.)

Antiretroviral therapy and the use of zidovudine for HIV infection. Hooker M. **Baillieres Clin Gastroenterol** 1990 Jun; 4(2):529–46 (24 ref.)

Anti-retroviral therapy of human immunodeficiency virus infection: current strategies and challenges for the future. Yarchoan R, et al. **Blood** 1991 Aug 15;78(4):859–84 (254 ref.)

HIV-specific treatment. Davis C. **Dermatol Clin** 1991 Jul; 9(3):585–96 (169 ref.)

Early therapeutic intervention in HIV infection--stepping stones to success. Weller IV. **Immunodefic Rev** 1991; 2(4):303–13 (40 ref.)

Treatment of AIDS and HIV-related conditions. Goldschmidt RH, et al. **J Am Board Fam Pract** 1991 May-Jun;4(3):178-91 (36 ref.)
Recent advances in the medical management of early HIV disease. Volberding PA. **J Gen Intern Med** 1991 Jan-Feb; 6(1 Suppl):S7-12 (27 ref.)
Current and future treatment of HIV infection. Bartlett JA. **Oncology (Williston Park)** 1990 Nov;4(11):19-26, 29 (52 ref.)
Antiviral therapy for human immunodeficiency virus infection in children. McKinney RE Jr. **Pediatr Clin North Am** 1991 Feb;38(1):133-51 (94 ref.)
Treatment considerations for children with human immunodeficiency virus infection. Pizzo PA, et al. **Pediatr Infect Dis J** 1990 Oct;9(10):690-9 (32 ref.)
New antiretroviral agents in the clinic. Myers MW. **Rev Infect Dis** 1990 Sep-Oct;12(5):944-50 (11 ref.)
Living with AIDS--changes and challenges in the care of HIV disease. Scoular AB. **Scott Med J** 1990 Oct; 35(5):131-2 (12 ref.)
The chronically infected cell as a target for the treatment of HIV infection and AIDS. Petteway SR Jr, et al. **Trends Pharmacol Sci** 1991 Jan;12(1):28-34 (38 ref.)
[Treatments of human immunodeficiency virus infection. Current developments] Sereni D, et al. **Ann Med Interne (Paris)** 1991;142(3):209-14 (59 ref.) **(Fre)**
[Therapy and immunologic prevention of HIV infection] Vogt M, et al. **Internist (Berl)** 1990 Sep;31(9):593-8 (38 ref.) **(Ger)**
[Therapy of HIV infection with zidovudine (AZT)] Goebel FD. **Verh Dtsch Ges Inn Med** 1990;96:530-3 (8 ref.) **(Ger)**
[Therapy of HIV infection (AIDS)] Haustein UF. **Z Gesamte Inn Med** 1991 Jun;46(8):263-70 (42 ref.) (Eng. Abstr.) **(Ger)**
[Treatment of HIV infection in childhood] Ruiz Contreras J, et al. **An Esp Pediatr** 1990 Jul;33(1):1-11 (78 ref.) **(Spa)**
[Drug surveillance for adverse reactions in patients with human immunodeficiency virus infection] Valencia ME, et al. **An Med Interna** 1990 Nov;7(11):591-8 (58 ref.) (Eng. Abstr.) **(Spa)**

ECONOMICS

Paying for the HIV epidemic. Johnson DP, et al. **Conn Med** 1991 Jan;55(1):38-42 (22 ref.)
[Socioeconomic aspects of human immunodeficiency virus (HIV) infection in developing countries] Gentilini M, et al. **Bull Acad Natl Med** 1990 Nov;174(8):1209-19; discussion 1219-21 (21 ref.) (Eng. Abstr.) **(Fre)**

EPIDEMIOLOGY

Human immunodeficiency virus disease epidemiology and nosocomial infection. Ortiz R, et al. **Am J Ophthalmol** 1991 Sep 15;112(3):335-42 (68 ref.)
The global epidemiology of HIV infection and AIDS. Braun MM, et al. **Annu Rev Microbiol** 1990;44:555-77 (93 ref.)
Risks of human immunodeficiency virus infection to patients and healthcare personnel. Gerst PH, et al. **Crit Care Med** 1990 Dec;18(12):1440-8 (112 ref.)
HIV-1 surveillance assays. Aw D. **Curr Opin Immunol** 1989-90;2(6):892-7 (12 ref.)
AIDS and HIV infection: an epidemiological overview. Dumasia AN. **Indian J Med Sci** 1990 Aug;44(8):223-7 (3 ref.)
Assessing HIV infection in primary care practice. Makadon HJ. **J Gen Intern Med** 1991 Jan-Feb;6(1 Suppl):S2-7 (23 ref.)
Epidemiology of pediatric HIV infection. Caldwell MB, et al. **Pediatr Clin North Am** 1991 Feb;38(1):1-16 (42 ref.)
Pediatric HIV infection for the emergency physician: epidemiology and overview. Crain EF, et al. **Pediatr Emerg Care** 1990 Sep;6(3):214-8 (27 ref.)
Epidemiology of acquired immunodeficiency syndrome and human immunodeficiency virus infection in adolescents. Gayle HD, et al. **Pediatr Infect Dis J** 1991 Apr;10(4):322-8 (54 ref.)
The epidemiology of HIV and other sexually transmitted infections in the developing world. Piot P, et al. **Scand J Infect Dis Suppl** 1990;69:89-97 (61 ref.)
Epidemiology of HIV infections. Design options with special reference to developing countries. Sandström A, et al. **Scand J Infect Dis Suppl** 1990;69:173-80 (7 ref.)
Human immunodeficiency virus infection in Northern Ireland 1980-1989. Maw RD, et al. **Ulster Med J** 1991 Apr; 60(1):63-74 (28 ref.)
[The worldwide AIDS epidemic and the role of Danida in the international control work] Staugård F, et al. **Ugeskr Laeger** 1990 Dec 31;153(1):4-9 (20 ref.) (Eng. Abstr.) **(Dan)**
[AIDS and HIV infection in intravenous drug addicts in the Federal Republic of Germany] Stark K, et al. **Dtsch Med Wochenschr** 1991 May 31;116(22):863-9 (44 ref.) **(Ger)**
[Dimensions of the challenge introduced by HIV and AIDS] Uberla K. **Verh Dtsch Ges Inn Med** 1990;96:510-5 (28 ref.) **(Ger)**

ETIOLOGY

HIV infection in hemophiliac children: clinical manifestations and therapy. Gomperts ED. **Am J Pediatr Hematol Oncol** 1990 Winter;12(4):497-504 (41 ref.)
AIDS/HIV infection and employment. Malone JM. **Ir Med J** 1990 Dec;83(4):148-50 (44 ref.)
Populations at increased risk of HIV infection: current knowledge and limitations. Gibbs DA, et al. **J Acquir Immune Defic Syndr** 1991;4(9):881-9 (30 ref.)
Major histocompatibility gene products and human immunodeficiency virus infection. Puppo F, et al. **J Lab Clin Med** 1991 Feb;117(2):91-100 (104 ref.)
Relation of the pathogenesis of human immunodeficiency virus infection to various strategies for its control. Merigan TC, et al. **Rev Infect Dis** 1991 Mar-Apr;13(2):292-302 (159 ref.)
[Transfusion-transmitted infections] Sugg U. **Anasthesiol Intensivmed Notfallmed Schmerzther** 1991 Jun; 26(4):214-5 (9 ref.) **(Ger)**
[HIV-infection in childhood] Révész T. **Orv Hetil** 1991 Jul 14;132(28):1515-20 (40 ref.) (Eng. Abstr.) **(Hun)**

GENETICS

The molecular biology of HIV infection: clues for possible therapy. Rabson AB. **Immunol Ser** 1989;44:231-56 (107 ref.)

IMMUNOLOGY

Immunology of HIV infection, I: Biology of the interferons. Laurence J. **AIDS Res Hum Retroviruses** 1990 Oct; 6(10):1149-56 (40 ref.)
Macrophages as susceptible targets for HIV infection, persistent viral reservoirs in tissue, and key immunoregulatory cells that control levels of virus replication and extent of disease. Meltzer MS, et al. **AIDS Res Hum Retroviruses** 1990 Aug;6(8):967-71 (25 ref.)
Reproductive immunology of human immunodeficiency virus (HIV-1) infection. Naz RK, et al. **Am J Reprod Immunol** 1990 Aug;23(4):107-14 (71 ref.)
NIH conference. Immunopathogenic mechanisms in human immunodeficiency virus (HIV) infection. Fauci AS, et al. **Ann Intern Med** 1991 Apr 15;114(8):678-93 (113 ref.)
Antibody responses in HIV infection [editorial; comment] Pinching AJ. **Clin Exp Immunol** 1991 May;84(2):181-4 (31 ref.) Comment on: Clin Exp Immunol 1991 May;84(2):185-9.
Monocytes, dendritic cells, and Langerhans cells in human immunodeficiency virus infection. Kalter DC, et al. **Dermatol Clin** 1991 Jul;9(3):415-28 (112 ref.)
Immunopathogenesis of HIV infection. Rosenberg ZF, et al. **FASEB J** 1991 Jul;5(10):2382-90 (101 ref.)
Immunologic abnormalities in HIV infection. Zunich KM, et al. **Hematol Oncol Clin North Am** 1991 Apr;5(2):215-28 (120 ref.)
HIV-1: seven facets of functional molecular mimicry. Bjork RL Jr. **Immunol Lett** 1991 May;28(2):91-6; discussion 97-9 (25 ref.)
Immunological effects of HIV infection. Krowka JF, et al. **Immunol Ser** 1989;44:257-303 (226 ref.)
B-cell activation and HIV-1 infection: deeds and misdeeds [see comments] Amadori A, et al. **Immunol Today** 1990 Oct;11(10):374-9 (96 ref.) Comment in: Immunol Today 1991 Feb;12(2):94-5.
Lymphocyte subsets as surrogate markers in antiretroviral therapy. Bogner JR, et al. **Infection** 1991;19 Suppl 2:S103-8 (24 ref.)
MHC-restricted cytotoxicity against HIV. Autran B, et al. **J Acquir Immune Defic Syndr** 1991;4(4):361-7 (63 ref.)
The immunology of HIV disease and pregnancy and possible interactions. Coyne BA, et al. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):595-606 (51 ref.)
Regulation of cytokine and viral gene expression in monocytes infected with the human immunodeficiency virus. Meltzer MS, et al. **Pathobiology** 1991;59(4):209-13 (20 ref.)
Host defense abnormalities associated with HIV infection. Noel GJ. **Pediatr Clin North Am** 1991 Feb;38(1):37-43 (36 ref.)
Immunopathology and pathogenesis of human immunodeficiency virus infection. Rosenberg ZF, et al. **Pediatr Infect Dis J** 1991 Mar;10(3):230-8 (88 ref.)
Specific immunity to HIV and other retroviral infections. Gorny MK, et al. **Prog AIDS Pathol** 1989;1:181-99 (140 ref.)
Role of polymorphonuclear leukocytes in infection by retroviruses with emphasis on the human immunodeficiency virus. Mertins SD, et al. **Viral Immunol** 1990 Fall;3(3):173-94 (111 ref.)
[The immunology of tuberculosis and human immunodeficiency virus] Nicod L. **Rev Mal Respir** 1991; 8(3):277-81 (43 ref.) (Eng. Abstr.) **(Fre)**
[The interferon system in HIV infection] Kuznetsov VP. **Vopr Virusol** 1991 Mar-Apr;36(2):92-6 (36 ref.) **(Rus)**

MICROBIOLOGY

Transgenic mice carrying HIV proviral DNA. Pezen DS, et al. **Biotechnology** 1991;16:213-26 (23 ref.)
AZT resistance in isolates of HIV. Richman DD. **Immunodefic Rev** 1991;2(4):315-8 (15 ref.)
Human retroviruses: a decade of discovery and link with human disease. Gallo RC. **J Infect Dis** 1991 Aug; 164(2):235-43 (20 ref.)
Virus dissemination via the lymphomyeloid complex. Yoffey JM. **Lymphology** 1990 Jun;23(2):60-3 (18 ref.)

PATHOLOGY

Natural history of human immunodeficiency virus infection and key predictors of HIV disease progression. Hessol NA, et al. **AIDS Clin Rev** 1989;:69-93 (139 ref.)
Light and electron microscopic appearances of pathological changes in HIV gut infection. Francis N. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):495-527 (95 ref.)
Alimentary tract cytopathology in human immunodeficiency virus infection: a review of experience in Los Angeles. Strigle SM, et al. **Diagn Cytopathol** 1990;6(6):409-20 (110 ref.)
Pathology of childhood AIDS. Joshi VV. **Pediatr Clin North Am** 1991 Feb;38(1):97-120 (73 ref.)
The histopathology of HIV infection: an overview. Brynes RK, et al. **Prog AIDS Pathol** 1989;1:1-28 (119 ref.)
Neuropathology of HIV infection: adults versus children. Sharer LR, et al. **Prog AIDS Pathol** 1989;1:131-41 (44 ref.)
The immunohistology of lymph nodes in HIV infection: a review. Wood GS. **Prog AIDS Pathol** 1990;2:25-32 (60 ref.)
[Lesions of the spinal cord and spinal roots in human immunodeficiency virus infection] Gray F, et al. **Rev Neurol (Paris)** 1990;146(11):655-64 (97 ref.) (Eng. Abstr.) **(Fre)**
[HIV infection of the central nervous system: clinical relevance] Pohle HD, et al. **Internist (Berl)** 1990 Sep; 31(9):567-74 (41 ref.) **(Ger)**

PHYSIOPATHOLOGY

HIV-infection and in vivo lipopolysaccharide-induced release of cytokines. An amplified mechanism of damage to the host. Jirillo E, et al. **Acta Neurol (Napoli)** 1991 Apr; 13(2):188-96 (34 ref.)
Human immunodeficiency virus and reproduction. Mandelbrot L, et al. **Ann N Y Acad Sci** 1991;626:484-501 (83 ref.)
Effects of human immunodeficiency virus infection on the expression of rheumatic illness. Furie RA. **Rheum Dis Clin North Am** 1991 Feb;17(1):177-88 (24 ref.)

PREVENTION & CONTROL

HIV and harm reduction for injection drug users. Brettle RP. **AIDS** 1991 Feb;5(2):125-36 (141 ref.)
The formulation and implementation of a national policy on condoms in the context of HIV/AIDS--a review. Jayasuriya DC. **AIDS Care** 1991;3(1):3-9 (48 ref.)
The impact of community-based groups to help persons reduce HIV infection risk behaviours. Kelly JA, et al. **AIDS Care** 1990;2(1):25-36 (14 ref.)
Community prevention efforts to reduce the spread of AIDS associated with intravenous drug abuse. Leukefeld CG, et al. **AIDS Educ Prev** 1990 Fall;2(3):235-43 (18 ref.)
Procedures to protect health-care workers from HIV infection: category I (health-care) workers. Crutcher JM, et al. **Am Ind Hyg Assoc J** 1991 Feb;52(2):A100-3 (12 ref.)
Prevention of HIV transmission in the workplace: category II (emergency service) workers. Mueller K. **Am Ind Hyg Assoc J** 1991 Feb;52(2):A104-7 (13 ref.)
Human immunodeficiency virus and the thoracic surgeon. Stiles QR. **Ann Thorac Surg** 1991 Feb;51(2):341-3 (18 ref.)
Working with pregnant women at high risk for HIV infection: outreach and intervention. Weissman G. **Bull N Y Acad Med** 1991 May-Jun;67(3):291-300 (6 ref.)
Ethical problems raised by anti-HIV vaccination. Enel P, et al. **Eur J Epidemiol** 1991 Mar;7(2):147-53 (72 ref.)
Postexposure chemoprophylaxis: approval criteria for clinical trials. Beninger PR, et al. **J Acquir Immune Defic Syndr** 1991;4(5):513-5 (0 ref.)
New operative technique to reduce surgeons' risk of HIV infection. Raahave D, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:177-83 (22 ref.)
Should surgical patients be screened for human immunodeficiency virus infection? Shanson DC. **J Hosp Infect** 1991 Jun;18 Suppl A:170-6 (9 ref.)
Towards safer surgery. Sim AJ. **J Hosp Infect** 1991 Jun;18 Suppl A:184-90 (3 ref.)
HIV infection. Managing exposure risks for the obstetrician/gynecologist. Crombleholme WR. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):627-36 (18 ref.)
Human immunodeficiency virus education and screening of prenatal patients. Tuomala R. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):571-83 (50 ref.)
Survival and disinfectant inactivation of the human immunodeficiency virus: a critical review. Sattar SA, et al. **Rev Infect Dis** 1991 May-Jun;13(3):430-47 (98 ref.)
Vaccines against STDs: specific considerations? Wigzell H. **Scand J Infect Dis Suppl** 1990;69:207-11 (9 ref.)
[Diverse strategies to attempt to prevent the spread of HIV infections] Charvet D. **Bull Acad Natl Med** 1990 Nov; 174(8):1199-204; discussion 1205-7 (11 ref.) (Eng. Abstr.) **(Fre)**
[Treatment of drug-dependent patients with methadone. 2: AIDS prevention by drug substitution?] Böcker FM. **Fortschr Med** 1991 Feb 20;109(5):132-5 (41 ref.) (Eng. Abstr.) **(Ger)**
[Prevention of HIV infections in surgical gynecology and obstetrics] Hirsch HA. **Geburtshilfe Frauenheilkd** 1990 Sep;

50(9):665–9 (30 ref.) (Eng. Abstr.) **(Ger)**

[Possibilities and limits of the epidemic regulation in relation to the control of AIDS] Schenke WR. **Internist (Berl)** 1990 Sep;31(9):582–6 (15 ref.) **(Ger)**

[HIV transmission in hospitals and office practice. Protection of patients and medical personnel] Schwarz H. **Schweiz Med Wochenschr** 1991 Jul 27;121(30):1077–82 (31 ref.) (Eng. Abstr.) **(Ger)**

[Primary prevention of HIV infection] Bauer G, et al. **Ther Umsch** 1991 Apr;48(4):251–7 (8 ref.) (Eng. Abstr.) **(Ger)**

[Secondary prevention in HIV infection] Weber R, et al. **Ther Umsch** 1991 Apr;48(4):258–63 (17 ref.) (Eng. Abstr.) **(Ger)**

[Global prevention of HIV infection. Steady sexual relations mean safe protection. Use of condoms is like Russian roulette] Bendtsen P, et al. **Lakartidningen** 1990 Nov 21; 87(47):3975–6 (25 ref.) **(Swe)**

PSYCHOLOGY

Psychological problems of families and health workers dealing with people infected with human immunodeficiency virus 1. Maj M. **Acta Psychiatr Scand** 1991 Mar;83(3):161–8 (36 ref.)

Counselling for HIV infection and AIDS: the past and the future. Green J. **AIDS Care** 1989;1(1):5–10 (26 ref.)

Deterring the progression of HIV infection. Goodkin K. **Compr Ther** 1990 Aug;16(8):17–23 (23 ref.)

Substance abuse and AIDS: the need for mental health services. Batki SL. **New Dir Ment Health Serv** 1990 Winter; (48):55–67 (35 ref.)

Psychopharmacological interventions in HIV infections. Fernandez F. **New Dir Ment Health Serv** 1990 Winter; (48):43–53 (50 ref.)

[Partnership networks and social organizations] Defert D. **Bull Acad Natl Med** 1990 Nov;174(8):1187–96; discussion 1196–7 (11 ref.) (Eng. Abstr.) **(Fre)**

[Psychosocial problems in HIV infected families—possibilities for coping] Rosendahl C, et al. **Monatsschr Kinderheilkd** 1990 Dec;138(12):789–90 (7 ref.) (Eng. Abstr.) **(Ger)**

[Psychiatric aspects of the HIV infection] Möller AA. **Nervenarzt** 1990 Sep;61(9):519–26 (67 ref.) **(Ger)**

REHABILITATION

Rehabilitation dimensions of AIDS: a review. Levinson SF, et al. **Arch Phys Med Rehabil** 1991 Aug;72(9):690–6 (94 ref.)

THERAPY

Report of a WHO informal consultation on preclinical and clinical aspects of the use of immunomodulators in HIV infection. Geneva, 3–5 April 1989. World Health Organization Global Programme on AIDS. **AIDS** 1990 Dec;4(12):WHO1–14 (0 ref.)

Therapeutic apheresis in human immunodeficiency virus-related syndromes. Kiprov DD, et al. **Curr Stud Hematol Blood Transfus** 1990;(57):184–97 (49 ref.)

Developing comprehensive care systems for individuals with HIV infection. Gee G. **Immunol Ser** 1989;44:569–604 (32 ref.)

Office management of patients infected with the human immunodeficiency virus (HIV)—1990. Westerman EL, et al. **J Okla State Med Assoc** 1990 Nov;83(11):535–40 (11 ref.)

Management of the HIV-infected patient: a comprehensive approach. The SCMA AIDS Task Force. Bryan CS. **J S C Med Assoc** 1991 Mar;87(3):113–50 (128 ref.)

Primary care of women infected with the human immunodeficiency virus. Allen MH. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):557–69 (43 ref.)

Care of the infant born exposed to human immunodeficiency virus. Mendez H, et al. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):637–49 (40 ref.)

Human immunodeficiency virus infection in pregnancy. Nanda D. **Obstet Gynecol Clin North Am** 1990 Sep; 17(3):617–26 (48 ref.)

Human immunodeficiency virus infection, women, and pregnancy. Ethical issues. Nolan K. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):651–68 (54 ref.)

Medical care of the HIV-infected child. Burroughs MH, et al. **Pediatr Clin North Am** 1991 Feb;38(1):45–67 (110 ref.)

HIV and the obligation to treat. Sheldon M. **Theor Med** 1990 Sep;11(3):201–12 (17 ref.)

[Clinical aspects of the pathophysiology of HIV infection. III. Principles of therapy] Svoboda J. **Cas Lek Cesk** 1991 Mar 15;130(11):335–9 (0 ref.) (Eng. Abstr.) **(Cze)**

[Integrated management of the HIV positive patient—medical, psychological and psychosocial aspects] Jäger H. **Internist (Berl)** 1990 Sep;31(9):575–81 (26 ref.) **(Ger)**

TRANSMISSION

Risk of HIV infection in health care workers. Fahrner R, et al. **AIDS Clin Rev** 1991;:215–25 (21 ref.)

HIV infection risk to health-care workers. Gershon RM, et al. **Am Ind Hyg Assoc J** 1990 Dec;51(12):A802–6 (44 ref.)

HIV infection risk to nonhealth-care workers. Gershon RM, et al. **Am Ind Hyg Assoc J** 1990 Dec;51(12):A807–9 (35 ref.)

Human immunodeficiency virus and the placenta. Current concepts of vertical transmission in relation to other viral agents. Schwartz DA, et al. **Ann Clin Lab Sci** 1991 Jul-Aug;21(4):264–74 (53 ref.)

Recent developments in sexually transmitted diseases: is heterosexual transmission of human immunodeficiency virus a major epidemiologic factor in the spread of acquired immunodeficiency syndrome? III: AIDS in Sub-Saharan Africa. Felman YM. **Cutis** 1990 Sep;46(3):204–6 (32 ref.)

The impact of pediatric HIV infection on emergency services. Melish ME. **Emerg Med Clin North Am** 1991 Aug; 9(3):655–67 (26 ref.)

Heterosexual transmission of HIV. Cohen JB, et al. **Immunol Ser** 1989;44:135–57 (63 ref.)

Viral transmission and fibreoptic endoscopy. Hanson PJ, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:136–40 (28 ref.)

Surgeons with HIV infection: the risk to patients. Schaffner W. **J Hosp Infect** 1991 Jun;18 Suppl A:191–6 (8 ref.)

Current surgical controversies over HIV infection [editorial] Shanson DC. **J Hosp Infect** 1991 Feb;17(2):77–81 (23 ref.)

Role of the placenta in perinatal transmission of HIV. Valente P, et al. **Obstet Gynecol Clin North Am** 1990 Sep; 17(3):607–16 (46 ref.)

Precautions and testing in pediatric HIV infection: issues for emergency department personnel. Crain EF, et al. **Pediatr Emerg Care** 1991 Jun;7(3):177–81 (44 ref.)

Passive immunization to prevent mother-infant transmission of human immunodeficiency virus: current issues and future directions. Mofenson LM, et al. **Pediatr Infect Dis J** 1991 Jun;10(6):456–62 (48 ref.)

Vertically transmitted HIV-1 infection in children. A report of 23 cases. Friedland IR, et al. **S Afr Med J** 1991 Feb 2;79(3):157–9 (16 ref.)

Occupational HIV infection and health care workers in the tropics. Veeken H, et al. **Trop Doct** 1991 Jan;21(1):28–31 (24 ref.)

[HIV infections in childhood] van den Berg H, et al. **Tijdschr Kindergeneeskd** 1990 Dec;58(6):217–27 (62 ref.) (Eng. Abstr.) **(Dut)**

[Risks of a cartilage-bone bank with reference to HIV infection] Schadel A, et al. **HNO** 1991 May;39(5):177–81 (45 ref.) (Eng. Abstr.) **(Ger)**

[HIV-infected women and their children: the situation of transmission and care] Bohlin AB, et al. **Lakartidningen** 1990 Nov 28;87(48):4064–6, 4071 (26 ref.) **(Swe)**

HIV LONG TERMINAL REPEAT

see related
GENE PRODUCTS, TAT

HIV NF-KAPPA B-BINDING SITE see **HIV ENHANCER**

HIV PEPTIDE T see **PEPTIDE T**

HIV PROTEASE

ANTAGONISTS & INHIBITORS

HIV-1 protease as a potential target for anti-AIDS therapy. Meek TD, et al. **Ann N Y Acad Sci** 1990;616:41–53 (85 ref.)

HIV protease: a novel chemotherapeutic target for AIDS. Huff JR. **J Med Chem** 1991 Aug;34(8):2305–14 (122 ref.)

CHEMISTRY

The 3-D structure of HIV-1 proteinase and the design of antiviral agents for the treatment of AIDS. Blundell TL, et al. **Trends Biochem Sci** 1990 Nov;15(11):425–30 (39 ref.)

METABOLISM

Strategies to inhibit viral polyprotein cleavages. Korant BD. **Ann N Y Acad Sci** 1990;616:252–7 (22 ref.)

A role for the aspartyl protease from the human immunodeficiency virus type 1 (HIV-1) in the orchestration of virus assembly. Navia MA, et al. **Ann N Y Acad Sci** 1990;616:73–85 (31 ref.)

HIV PROTEINASE see **HIV PROTEASE**

HIV RECEPTORS see **RECEPTORS, HIV**

HIV SEROCONVERSION see **HIV SEROPOSITIVITY**

HIV SERODIAGNOSIS see **AIDS SERODIAGNOSIS**

HIV SERONEGATIVITY see **HIV SEROPOSITIVITY**

HIV SEROPOSITIVITY

see related
HIV SEROPREVALENCE

Follicular accentuation of leukocytoclastic vasculitis in an HIV-seropositive man. Report of a case and review of the literature. Weimer CE Jr, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 2):898–902 (37 ref.)

Human immunodeficiency virus and the primary care physician. Paauw DS, et al. **J Fam Pract** 1990 Dec; 31(6):646–50 (30 ref.)

The diagnosis of drug dependence by primary care providers. Shine D. **J Gen Intern Med** 1991 Jan-Feb;6(1 Suppl):S32–4 (17 ref.)

[Respiratory failure in a HIV seropositive heroin addict female] Magnan A, et al. **Ann Fr Anesth Reanim** 1991; 10(1):74–6 (10 ref.) (Eng. Abstr.) **(Fre)**

[The pitfalls of HIV serology] Rouzioux C. **Presse Med** 1990 Dec 8;19(42):1923–5 (7 ref.) **(Fre)**

[The usefulness of HIV serology in the follow up of vertical transmission of AIDS] Tuset Ruiz C, et al. **An Esp Pediatr** 1990 Nov;33(5):424–8 (21 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

New-onset psychosis in HIV-infected patients. Harris MJ, et al. **J Clin Psychiatry** 1991 Sep;52(9):369–76 (41 ref.)

Reiter's syndrome and HIV infection. Mills OF, et al. **J Fam Pract** 1991 Sep;33(3):294–6 (26 ref.)

Human immunodeficiency virus and the surgeon. Hebra A, et al. **J S C Med Assoc** 1990 Sep;86(9):479–83 (17 ref.)

Evaluation of clinically normal appearing skin for systemic infectious diseases in human immunodeficiency virus seropositive patients. Cohen PR. **Med Hypotheses** 1991 Mar;34(3):193–7 (49 ref.)

An approach to the human immunodeficiency virus-positive patient with a spondyloarthropathic disease. Solomon G, et al. **Rheum Dis Clin North Am** 1991 Feb;17(1):43–58 (46 ref.)

Pulmonary complications of intravenous drug misuse. 2. Infective and HIV related complications. Hind CR. **Thorax** 1990 Dec;45(12):957–61 (90 ref.)

[Pneumocystitis carinii pneumonia in adult patients with AIDS] Møller A, et al. **Ugeskr Laeger** 1991 Jun 10; 153(24):1710–1 (30 ref.) (Eng. Abstr.) **(Dan)**

DIAGNOSIS

AIDS, a social dilemma: detection of seropositives. Enel P, et al. **Eur J Epidemiol** 1991 Mar;7(2):139–46 (109 ref.)

Retroviral infections transmitted by blood transfusion. Sandler SG, et al. **Yale J Biol Med** 1990 Sep-Oct; 63(5):353–60 (47 ref.)

[HIV seropositivity in promiscuous heterosexual, homosexual and bisexual men and patients voluntarily reporting for screening in Hungary between 1 January 1986 and 31 December 1989] Horváth A, et al. **Orv Hetil** 1991 May 26;132(21):1149–53 (32 ref.) (Eng. Abstr.) **(Hun)**

ECONOMICS

HIV antibody status and employment discrimination: 1991 update [editorial] Nusbaum NJ. **J Acquir Immune Defic Syndr** 1991;4(10):927–9 (12 ref.)

PSYCHOLOGY

Counseling patients seropositive for human immunodeficiency virus. An approach for medical practice. Coates TJ, et al. **West J Med** 1990 Dec;153(6):629–34 (50 ref.)

THERAPY

[Integrated management of the HIV positive patient—medical, psychological and psychosocial aspects] Jäger H. **Internist (Berl)** 1990 Sep;31(9):575–81 (26 ref.) **(Ger)**

HIV SEROPREVALENCE

Current surgical controversies over HIV infection [editorial] Shanson DC. **J Hosp Infect** 1991 Feb;17(2):77–81 (23 ref.)

[Human immunodeficiency virus infection in the Spanish population. Review of the literature] Merino F, et al. **An Med Interna** 1990 Mar;7(3):147–53 (70 ref.) (Eng. Abstr.) **(Spa)**

HIV TAT PROTEIN see **GENE PRODUCTS, TAT**

HIV TRANSACTING TRANSCRIPTION PROTEIN see **GENE PRODUCTS, TAT**

HIV TRANSMEMBRANE PROTEIN GP41 see **HIV ENVELOPE PROTEIN GP41**

HIV-1

see related
ACQUIRED IMMUNODEFICIENCY SYNDROME

Psychological problems of families and health workers dealing with people infected with human immunodeficiency virus 1. Maj M. **Acta Psychiatr Scand** 1991 Mar;83(3):161–8 (36 ref.)

Reproductive immunology of human immunodeficiency virus (HIV-1) infection. Naz RK, et al. **Am J Reprod Immunol** 1990 Aug;23(4):107–14 (71 ref.)

Light and electron microscopic appearances of pathological changes in HIV gut infection. Francis N. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):495–527 (95 ref.)

Malabsorption, malnutrition and HIV disease. Griffin GE. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):361–73 (44 ref.)

Non-opportunistic causes of diarrhoea in HIV infection.

Riecken EO, et al. **Baillieres Clin Gastroenterol** 1990 Jun; 4(2):385–403 (96 ref.)

Oral manifestations of HIV disease. Smith D, et al. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):315–37 (100 ref.)

Prophylaxis and treatment of Pneumocystis carinii pneumonia. O'Doherty MJ, et al. **Br J Hosp Med** 1991 May;45(5):277–8, 280, 283 (44 ref.)

Risks of human immunodeficiency virus infection to patients and healthcare personnel. Gerst PH, et al. **Crit Care Med** 1990 Dec;18(12):1440–8 (112 ref.)

HIV-1 surveillance assays. Aw D. **Curr Opin Immunol** 1989–90;2(6):892–7 (12 ref.)

Viral transmission and fibreoptic endoscopy. Hanson PJ, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:136–40 (28 ref.)

New operative technique to reduce surgeons' risk of HIV infection. Raahave D, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:177–83 (22 ref.)

Should surgical patients be screened for human immunodeficiency virus infection? Shanson DC. **J Hosp Infect** 1991 Jun;18 Suppl A:170–6 (9 ref.)

Towards safer surgery. Sim AJ. **J Hosp Infect** 1991 Jun;18 Suppl A:184–90 (3 ref.)

Slowing the spread of human immunodeficiency virus in developing countries. Potts M, et al. **Lancet** 1991 Sep 7; 338(8767):608–13 (18 ref.)

Bacteremia due to Mycobacterium tuberculosis in patients with human immunodeficiency virus infection. A report of 9 cases and a review of the literature. Barber TW, et al. **Medicine (Baltimore)** 1990 Nov;69(6):375–83 (38 ref.)

Nomenclature and research case definitions for neurologic manifestations of human immunodeficiency virus-type 1 (HIV-1) infection. Report of a Working Group of the American Academy of Neurology AIDS Task Force. **Neurology** 1991 Jun;41(6):778–85 (62 ref.)

Primary care of women infected with the human immunodeficiency virus. Allen MH. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):557–69 (43 ref.)

The immunology of HIV disease and pregnancy and possible interactions. Coyne BA, et al. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):595–606 (51 ref.)

HIV infection. Managing exposure risks for the obstetrician/gynecologist. Crombleholme WR. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):627–36 (18 ref.)

Care of the infant born exposed to human immunodeficiency virus. Mendez H, et al. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):637–49 (40 ref.)

Human immunodeficiency virus infection in pregnancy. Nanda D. **Obstet Gynecol Clin North Am** 1990 Sep; 17(3):617–26 (48 ref.)

Human immunodeficiency virus infection, women, and pregnancy. Ethical issues. Nolan K. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):651–68 (54 ref.)

Human immunodeficiency virus education and screening of prenatal patients. Tuomala R. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):571–83 (50 ref.)

Role of the placenta in perinatal transmission of HIV. Valente P, et al. **Obstet Gynecol Clin North Am** 1990 Sep; 17(3):607–16 (46 ref.)

HIV-related non-Hodgkin's lymphoma. Stanley H, et al. **Oncol Nurs Forum** 1991 Jul;18(5):875–80 (34 ref.)

Precautions and testing in pediatric HIV infection: issues for emergency department personnel. Crain EF, et al. **Pediatr Emerg Care** 1991 Jun;7(3):177–81 (44 ref.)

Neurologic disorders and dermatologic manifestations in HIV-infected children. Zuckerman G, et al. **Pediatr Emerg Care** 1991 Apr;7(2):99–105 (49 ref.)

HIV-1: neuropsychiatric manifestations and their treatment. Bridge TP. **Psychopharmacol Bull** 1988;24(3):320–4 (30 ref.)

Mechanisms of brain damage by HIV-1. Gurney ME. **Psychopharmacol Bull** 1988;24(3):311–4 (42 ref.)

Perspectives on infection with HIV-1 among intravenous drug users. Vlahov D, et al. **Psychopharmacol Bull** 1988; 24(3):325–9 (45 ref.)

Some early observations on HIV infection in children at King Edward VIII Hospital, Durban. Bobat RA, et al. **S Afr Med J** 1990 Nov 3;78(9):524–7 (19 ref.)

Vertically transmitted HIV-1 infection in children. A report of 23 cases. Friedland IR, et al. **S Afr Med J** 1991 Feb 2;79(3):157–9 (16 ref.)

Human immunodeficiency virus, genital ulcers and the male foreskin: synergism in HIV-1 transmission. Jessamine PG, et al. **Scand J Infect Dis Suppl** 1990;69:181–6 (22 ref.)

The neuropsychiatry of human immunodeficiency virus. Grant I. **Semin Neurol** 1990 Sep;10(3):267–75 (62 ref.)

[Liver and human immunodeficiency virus type 1] Lesur G, et al. **Ann Med Interne (Paris)** 1991;142(3):219–25 (62 ref.) **(Fre)**

[HIV infection. The prognostic value of buccal candidiasis and hairy leukoplakia in HIV infection. A critical and comparative analysis] Samson J, et al. **Schweiz Monatsschr Zahnmed** 1991;101(8):1026–32 (16 ref.) **(Fre)**

[HIV infection and the kidneys] Geiger H. **Dtsch Med Wochenschr** 1991 May 24;116(21):825–31 (83 ref.) **(Ger)**

[AIDS and HIV infection in intravenous drug addicts in the Federal Republic of Germany] Stark K, et al. **Dtsch Med Wochenschr** 1991 May 31;116(22):863–9 (44 ref.) **(Ger)**

[Gastrointestinal manifestations of AIDS. 1: Basic considerations and viral infections] Prüfer-Krämer L, et al. **Fortschr Med** 1991 Mar 10;109(7):169–72 (41 ref.) (Eng. Abstr.) **(Ger)**

[HIV infection and the acquired immunodeficiency syndrome. II] Melino C, et al. **Clin Ter** 1991 May 31; 137(4):235–63 (78 ref.) (Eng. Abstr.) **(Ita)**

[The acquired immunodeficiency syndrome (AIDS) in childhood] Terragna A, et al. **Medicina (Firenze)** 1990 Jul–Sep;10(3):256–62 (44 ref.) (Eng. Abstr.) **(Ita)**

[Tuberculosis and mycobacteriosis in HIV-1 infection] Rosci MA, et al. **Recenti Prog Med** 1990 Jan;81(1):9–17 (80 ref.) (Eng. Abstr.) **(Ita)**

[The syndromology and pathological anatomy of HIV infection (AIDS)] Kazantseva IA, et al. **Arkh Patol** 1990; 52(7):3–9 (62 ref.) (Eng. Abstr.) **(Rus)**

[The nephrological aspects of infection with the human immunodeficiency virus] Maksimov NA. **Ter Arkh** 1990; 62(6):153–8 (76 ref.) **(Rus)**

[The small intestine involvement syndrome syndrome in AIDS] Valenkevich LN, et al. **Ter Arkh** 1990;62(11):133–5 (31 ref.) **(Rus)**

[The epidemiology of AIDS (a review of the literature)] Vorob'ev AI. **Voen Med Zh** 1990 Jun;(6):48–52 (18 ref.) **(Rus)**

[The interferon system in HIV infection] Kuznetsov VP. **Vopr Virusol** 1991 Mar–Apr;36(2):92–6 (36 ref.) **(Rus)**

[Infections caused by viruses like the AIDS (HIV) virus and central nervous system lesions (a review)] Lalaiants IE, et al. **Zh Nevropatol Psikhiatr** 1991;91(3):114–7 (34 ref.) **(Rus)**

[Epithelioid angiomatosis and HIV infection. A neoplastic or infectious proliferative disease?] Aguilar Ligorit E, et al. **An Med Interna** 1990 Jun;7(6):312–4 (25 ref.) (Eng. Abstr.) **(Spa)**

[Advances in the diagnosis of pulmonary complications in patients infected with the human immunodeficiency virus] Pérez Arellano JL, et al. **An Med Interna** 1990 Jun; 7(6):315–23 (84 ref.) (Eng. Abstr.) **(Spa)**

[Infection by the human immunodeficiency virus in the Spanish population (II). A meta-analysis of the time and geographic trends] Fernández Sierra MA, et al. **Med Clin (Barc)** 1990 Sep 29;95(10):366–71 (93 ref.) (Eng. Abstr.) **(Spa)**

[The characteristics of the opportunistic infections associated with AIDS: tuberculosis and toxoplasmosis] Gatell JM. **Rev Clin Esp** 1990 May;186(8):405–6 (30 ref.) **(Spa)**

ANALYSIS

Neopterin and beta 2-microglobulin as prognostic indices in human immunodeficiency virus type 1 infection. Fuchs D, et al. **Infection** 1991;19 Suppl 2:S98–102 (32 ref.)

CLASSIFICATION

Surgeons with HIV infection: the risk to patients. Schaffner W. **J Hosp Infect** 1991 Jun;18 Suppl A:191–6 (8 ref.)

DRUG EFFECTS

Relative resistance of primary HIV-1 isolates to neutralization by soluble CD4. Daar ES, et al. **Am J Med** 1991 Apr 10;90(4A):22S–26S (30 ref.)

Therapeutic properties of sodium diethyldithiocarbamate: its role as an inhibitor in the progression of AIDS. Sunderman FW Sr. **Ann Clin Lab Sci** 1991 Jan–Feb;21(1):70–81 (88 ref.)

HIV-1 protease as a potential target for anti-AIDS therapy. Meek TD, et al. **Ann N Y Acad Sci** 1990;616:41–53 (85 ref.)

Impaired immunity in AIDS. The mechanisms responsible and their potential reversal by antiviral therapy. Ruegg CL, et al. **Ann N Y Acad Sci** 1990;616:307–17 (56 ref.)

Antiretroviral activity, biochemistry, and pharmacokinetics of 3'-azido-2',3'-dideoxy-5-methylcytidine. Schinazi RF, et al. **Ann N Y Acad Sci** 1990;616:385–97 (26 ref.)

Correlation of molecular conformation and activity of reverse transcriptase inhibitors. Van Roey P, et al. **Ann N Y Acad Sci** 1990;616:29–40 (30 ref.)

Antiretroviral therapy and the use of zidovudine for HIV infection. Hooker M. **Baillieres Clin Gastroenterol** 1990 Jun; 4(2):529–46 (24 ref.)

[Chemotherapy of AIDS: results and prospects] Chizhov NP. **Antibiot Khimioter** 1991 Apr;36(4):38–42 (41 ref.) **(Rus)**

ENZYMOLOGY

HIV-1 reverse transcriptase: structure predictions for the polymerase domain. Barber AM, et al. **AIDS Res Hum Retroviruses** 1990 Sep;6(9):1061–72 (46 ref.)

A role for the aspartyl protease from the human immunodeficiency virus type 1 (HIV-1) in the orchestration of virus assembly. Navia MA, et al. **Ann N Y Acad Sci** 1990;616:73–85 (31 ref.)

Structure-function studies of HIV reverse transcriptase. Prasad VR, et al. **Ann N Y Acad Sci** 1990;616:11–21 (20 ref.)

GENETICS

Control of expression and cell tropism of human immunodeficiency virus type 1. Zack JA, et al. **Adv Virus Res** 1990;38:125–46 (98 ref.)

The HIV-1 Tat protein: an RNA sequence-specific processivity factor? Cullen BR. **Cell** 1990 Nov 16; 63(4):655–7 (20 ref.)

Regulation of HIV-1 gene expression. Cullen BR. **FASEB J** 1991 Jul;5(10):2361–8 (50 ref.)

Genomic diversity and antigenic variation of HIV-1: links between pathogenesis, epidemiology and vaccine development. Goudsmit J, et al. **FASEB J** 1991 Jul; 5(10):2427–36 (53 ref.)

Molecular biology of the human immunodeficiency virus type 1. Haseltine WA. **FASEB J** 1991 Jul;5(10):2349–60 (120 ref.)

Human immunodeficiency virus as a prototypic complex retrovirus. Cullen BR. **J Virol** 1991 Mar;65(3):1053–6 (20 ref.)

The molecular biology of human immunodeficiency virus type 1 infection. Greene WC. **N Engl J Med** 1991 Jan 31; 324(5):308–17 (109 ref.)

GROWTH & DEVELOPMENT

Virologic and immunologic aspects of acquired immunodeficiency syndrome. Lane HC. **Surg Gynecol Obstet** 1990;171 Suppl:11–8 (15 ref.)

IMMUNOLOGY

Evidence for HIV-1 infection in rabbits. A possible model for AIDS. Gordon MR, et al. **Ann N Y Acad Sci** 1990; 616:270–80 (25 ref.)

Neutralization of HIV-1: a paradox of humoral proportions. Nara PL, et al. **FASEB J** 1991 Jul;5(10):2437–55 (111 ref.)

HIV-1: seven facets of functional molecular mimicry. Bjork RL Jr. **Immunol Lett** 1991 May;28(2):91–6; discussion 97–9 (25 ref.)

B-cell activation and HIV-1 infection: deeds and misdeeds [see comments] Amadori A, et al. **Immunol Today** 1990 Oct;11(10):374–9 (96 ref.) Comment in: Immunol Today 1991 Feb;12(2):94–5.

Lymphatic tissue changes in AIDS and other retrovirus infections: tools and insights. Racz P, et al. **Lymphology** 1990 Jun;23(2):85–91 (35 ref.)

Interaction of complement with HIV-1 and Candida albicans: molecular mechanisms and biological implications. Dierich MP, et al. **Mol Immunol** 1990 Dec;27(12):1349–53 (58 ref.)

Passive immunization to prevent mother–infant transmission of human immunodeficiency virus: current issues and future directions. Mofenson LM, et al. **Pediatr Infect Dis J** 1991 Jun;10(6):456–62 (48 ref.)

[Receptor of cells with infection of AIDS virus] Xu TG. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):29–33 (29 ref.) **(Chi)**

[Immunology and virology of HIV infection: current concepts in the pathogenesis of AIDS] Miedema F, et al. **Ned Tijdschr Geneeskd** 1990 Sep 8;134(36):1724–8 (36 ref.) **(Dut)**

[The usefulness of HIV serology in the follow up of vertical transmission of AIDS] Tuset Ruiz C, et al. **An Esp Pediatr** 1990 Nov;33(5):424–8 (21 ref.) (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Laboratory diagnosis of HIV infection. Krasinski K, et al. **Pediatr Clin North Am** 1991 Feb;38(1):17–35 (151 ref.)

Laboratory methods in the diagnosis and prognostic staging of infection with human immunodeficiency virus type 1. Davey RT Jr, et al. **Rev Infect Dis** 1990 Sep–Oct; 12(5):912–30 (78 ref.)

[Study of human immunodeficiency virus in the cerebrospinal fluid. Value and limitations] Buffet R, et al. **Presse Med** 1991 Jun 22;20(24):1124–8 (26 ref.) (Eng. Abstr.) **(Fre)**

PATHOGENICITY

FcR-mediated enhancement of HIV-1 infection by antibody. Takeda A, et al. **AIDS Res Hum Retroviruses** 1990 Aug; 6(8):999–1004 (42 ref.)

HIV-1, macrophages, glial cells, and cytokines in AIDS nervous system disease. Merrill JE, et al. **FASEB J** 1991 Jul;5(10):2391–7 (103 ref.)

AIDS and pediatric neurology. Belman AL. **Neurol Clin** 1990 Aug;8(3):571–603 (163 ref.)

Headache and acquired immunodeficiency syndrome. Goldstein J. **Neurol Clin** 1990 Nov;8(4):947–60 (25 ref.)

Psychiatric aspects of HIV-1 infection and AIDS. Maj M. **Psychol Med** 1990 Aug;20(3):547–63 (100 ref.)

[AIDS in children (clinico-morphological aspects)] Iakovtsova AF, et al. **Pediatriia** 1991;(2):100–4 (46 ref.) **(Rus)**

PHYSIOLOGY

HIV-1: the infective process in vivo. McCune JM. **Cell** 1991 Jan 25;64(2):351–63 (150 ref.)

HIV-1 infection and hematologic picture. Re MC, et al. **Microbiologica** 1991 Apr;14(2):165–76 (74 ref.)

The envelope of HIV-1 as a key component to infectivity. Buchbinder A. **Prog AIDS Pathol** 1990;2:1–11 (84 ref.)

HIV-1 ENVELOPE PROTEIN GP41 see **HIV ENVELOPE PROTEIN GP41**

HIV-1 ENVELOPE PROTEIN GP120 see HIV ENVELOPE PROTEIN GP120

HIV-1 PROTEASE see HIV PROTEASE

HIV-2

Slowing the spread of human immunodeficiency virus in developing countries. Potts M, et al. **Lancet** 1991 Sep 7; 338(8767):608–13 (18 ref.)

[The epidemiology of AIDS (a review of the literature)] Vorob'ev AI. **Voen Med Zh** 1990 Jun;(6):48–52 (18 ref.) **(Rus)**

[The human immunodeficiency virus type 2] Bektimirov TA. **Vopr Virusol** 1990 May–Jun;35(3):180–3 (74 ref.) **(Rus)**

GENETICS

[The human immunodeficiency virus type 2 (HIV–2)] Soriano V, et al. **Rev Clin Esp** 1990 May;186(8):394–9 (101 ref.) **(Spa)**

PATHOGENICITY

[AIDS in children (clinico–morphological aspects)] Iakovtsova AF, et al. **Pediatriia** 1991;(2):100–4 (46 ref.) **(Rus)**

PHYSIOLOGY

Biologic features of HIV–2. An update. Kanki PJ. **AIDS Clin Rev** 1991;:17–38 (86 ref.)

Clinical significance of HIV–2 infection in West Africa. Kanki PJ. **AIDS Clin Rev** 1989;:95–108 (40 ref.)

Human immunodeficiency virus type 2 (HIV2). Hughes A, et al. **Blood Rev** 1990 Sep;4(3):158–64 (74 ref.)

HIVES see URTICARIA

HLA ANTIGENS

HLA matching and kidney graft survival: a review. Tiwari JL. **Clin Transpl** 1986;:333–9 (60 ref.)

Autoimmune diseases and HLA [published erratum appears in Crit Rev Immunol 1991;10(5):454] Nelson JL, et al. **Crit Rev Immunol** 1990;10(4):307–28 (220 ref.)

HLA and autoimmune diseases. Scholz SG, et al. **Immunol Ser** 1990;52:11–23 (28 ref.)

[Immunogenetics: clinical and population aspects. HLA system: clinical correlations. I. (2d of 5 parts)] Contu L, et al. **Ann Ital Med Int** 1991 Jan–Mar;6(1 Pt 1):17–55 (198 ref.) **(Ita)**

ANALYSIS

Genetic aspects of juvenile chronic arthritis. Woo P. **Clin Orthop** 1990 Oct;(259):11–7 (43 ref.)

HLA and multiple sclerosis in Italy: a review of the literature. La Mantia L, et al. **J Neurol** 1990 Nov;237(7):441–4 (37 ref.)

Expression of human major histocompatibility antigens on germ cells and early preimplantation embryos. Desoye G, et al. **Lab Invest** 1991 Mar;64(3):306–12 (81 ref.)

[Heredity and genetics of hemochromatosis] Yaouanq J. **Rev Med Interne** 1989 Nov–Dec;10(6):541–7 (47 ref.) **(Fre)**

BIOSYNTHESIS

Biosynthesis and assembly of MHC antigens. Ploegh HL. **Scand J Rheumatol Suppl** 1990;87:32–5 (3 ref.)

[Immunologic modulation of tumor aggressiveness in cancer of the larynx. II. Clinicopathologic correlations with the loss of expression of the HLA ABC antigens] Esteban F, et al. **Acta Otorrinolaringol Esp** 1990 Nov–Dec; 41(6):359–68 (40 ref.) (Eng. Abstr.) **(Spa)**

GENETICS

In vivo somatic mutations in humans: measurement and analysis. Albertini RJ, et al. **Annu Rev Genet** 1990;24:305–26 (101 ref.)

T cell defined HLA epitopes and T cell receptor polymorphism in insulin dependent diabetes mellitus. Sheehy MJ. **Baillieres Clin Endocrinol Metab** 1991 Jun; 5(2):341–55 (52 ref.)

HLA population genetics. Thomson G. **Baillieres Clin Endocrinol Metab** 1991 Jun;5(2):247–60 (60 ref.)

Severe aplastic anaemia: the patient without a HLA–identical sibling. Hows JM. **Br J Haematol** 1991 Jan;77(1):1–4 (26 ref.)

A unified hypothesis for the complex genetics of HLA associations with IDDM. Nepom GT. **Diabetes** 1990 Oct; 39(10):1153–7 (36 ref.)

Of HLA, tryps, and selection: an essay on coevolution of MHC and parasites. Klein J. **Hum Immunol** 1991 Apr; 30(4):247–58 (57 ref.)

HLA and IDDM: facts and speculations on the disease gene and its mode of inheritance. Rubinstein P. **Hum Immunol** 1991 Apr;30(4):270–7 (46 ref.)

HLA non–A,B,C class I genes: their structure and expression. Heinrichs H, et al. **Immunol Res** 1990;9(4):265–74 (30 ref.)

Molecular genetics of the human leukocyte antigen complex. Orr HT. **Immunol Ser** 1989;43:319–38 (51 ref.)

Human leukocyte antigens and disease. Ward FE, et al. **Immunol Ser** 1989;43:359–78 (109 ref.)

HLA and type I diabetes. Nepom GT. **Immunol Today** 1990 Sep;11(9):314–5 (20 ref.)

HLA susceptibility genes in rheumatoid factor positive juvenile rheumatoid arthritis. Vehe RK, et al. **J Rheumatol Suppl** 1990 Nov;26:11–5 (58 ref.)

Immunogenetic mechanisms in myasthenia gravis. Steinman L. **Prog Brain Res** 1990;84:117–24 (34 ref.)

Immunogenetics of HLA. Bach FH. **Wien Klin Wochenschr** 1991;103(5):141–5 (39 ref.)

[HLA system in dermatology] Koeppel MC, et al. **Ann Med Interne (Paris)** 1990;141(8):698–706 (84 ref.) **(Fre)**

[The HLA system and rheumatoid arthritis] Lang B, et al. **Z Rheumatol** 1990 Jul–Aug;49(4):197–207 (105 ref.) (Eng. Abstr.) **(Ger)**

[Correlation of HLA antigens and idiopathic hemochromatosis in Hungary] Czink E, et al. **Orv Hetil** 1991 Feb 24;132(8):409–10, 413–5 (26 ref.) (Eng. Abstr.) **(Hun)**

[Immunogenetics: clinical and population aspects. The HLA system: general concepts (1st of 5 parts)] Contu L, et al. **Ann Ital Med Int** 1990 Oct–Dec;5(4 Pt 1):360–404 (63 ref.) **(Ita)**

[Structure and function of human transplantation antigens] Ando A, et al. **Hum Cell** 1988 Dec;1(4):361–74 (56 ref.) (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

HLA 1990. Mayr WR. **Blut** 1990 Oct;61(4):207–12 (39 ref.)

Selection of marrow donors for patients lacking an HLA–identical sibling. Anasetti C, et al. **Cancer Treat Res** 1990;50:129–40 (28 ref.)

HLA class III molecules and autoimmune rheumatic diseases. Arnett FC, et al. **Clin Exp Rheumatol** 1991 May–Jun; 9(3):289–96 (77 ref.)

Significance of the HLA molecular structure to transplantation. Park MS, et al. **Clin Transpl** 1988;:301–28 (93 ref.)

Immunopathology of chronic viral hepatitis. Desmet VJ. **Hepatogastroenterology** 1991 Feb;38(1):14–21 (136 ref.)

Fundamental antigens of HLA. Amos DB. **Hum Immunol** 1991 Apr;30(4):236–46 (60 ref.)

Speculations on mechanisms of HLA associations with autoimmune diseases and the specificity of "autoreactive" T lymphocytes. Möller E, et al. **Immunol Rev** 1990 Dec; 118:5–19 (51 ref.)

Presence of host–reactive and MHC–restricted T cells in a transplanted severe combined immunodeficient (SCID) patient suggest positive selection and absence of clonal deletion. Spits H, et al. **Immunol Rev** 1990 Aug;116:101–16 (67 ref.)

HLA and uveitis. Feltkamp TE. **Int Ophthalmol** 1990 Oct; 14(5–6):327–33 (14 ref.)

Insulin–dependent diabetes mellitus and immunogenetics: maternal and fetal considerations. Reece EA, et al. **Obstet Gynecol Surv** 1991 May;46(5):255–63 (65 ref.)

Influence of human leukocyte antigen matching in cardiac transplantation. Festenstein H, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):213–20 (53 ref.)

Role of HLA linked factors in governing susceptibility to leprosy and tuberculosis. Mehra NK. **Trop Med Parasitol** 1990 Sep;41(3):352–4 (7 ref.)

Prevention of HLA alloimmunization: role of leukocyte depletion and UV–B irradiation. Snyder EL. **Yale J Biol Med** 1990 Sep–Oct;63(5):419–27 (42 ref.)

[The HLA system and habitual abortion] Hajek–Rosenmayr A. **Wien Med Wochenschr** 1990;140(22):542–4 (7 ref.) (Eng. Abstr.) **(Ger)**

[The role of HLA antigens in organ transplantation] Krynicki M. **Pol Tyg Lek** 1989 Sep 4–25;44(36–39):851–4, 857 (21 ref.) **(Pol)**

[Surface antigens of male germ cells—their identification and functional analysis] Kurpisz M. **Postepy Hig Med Dosw** 1990;44(1–3):1–19 (85 ref.) (Eng. Abstr.) **(Pol)**

[The HLA system and thyroid diseases] Rasovskiĭ BL, et al. **Probl Endokrinol (Mosk)** 1990 Sep–Oct;36(5):85–90 (77 ref.) **(Rus)**

[Immunologic monitoring of rejection of allogeneic lung transplant] Stikhanovskaia LD. **Vestn Akad Med Nauk SSSR** 1990;(8):54–60 (65 ref.) **(Rus)**

[Anti–infectious immunity, vaccination and histocompatibility antigens] Medunitsyn NV. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Aug;(8):107–12 (31 ref.) **(Rus)**

[The role of immunology in celiac disease] Blanco Quirós A, et al. **An Esp Pediatr** 1990 Oct;33(4):315–24 (159 ref.) **(Spa)**

METABOLISM

Pathways of antigen processing. Harding CV. **Curr Opin Immunol** 1991 Feb;3(1):3–9 (69 ref.)

PHYSIOLOGY

Major histocompatibility gene products and human immunodeficiency virus infection. Puppo F, et al. **J Lab Clin Med** 1991 Feb;117(2):91–100 (104 ref.)

Alterations of cellular proteins in human cytomegalovirus infection: potential for disease pathogenesis. Grundy JE. **Transplant Proc** 1991 Jun;23(3 Suppl 3):38–41; discussion 41–2 (21 ref.)

HLA-B ANTIGENS

ANALYSIS

[HLA–B and psoriatic rheumatism. Study of 193 cases] Fournié B, et al. **Rev Rhum Mal Osteoartic** 1991 Apr; 58(4):269–73 (18 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Sex ratios and hormones in HLA related rheumatic diseases. James WH. **Ann Rheum Dis** 1991 Jun;50(6):401–4 (44 ref.)

HLA-B27 ANTIGEN

ANALYSIS

HLA–B27 and rheumatic diseases of childhood. Petty RE. **J Rheumatol Suppl** 1990 Nov;26:7–10 (36 ref.)

CHEMISTRY

Structure of class–I MHC molecules: HLA–B27 and disease. Parham P. **Scand J Rheumatol Suppl** 1990;87:11–20 (26 ref.)

GENETICS

HLA–B27 is necessary but not sufficient. Møller P. **Scand J Rheumatol Suppl** 1990;87:131–3 (11 ref.)

IMMUNOLOGY

Sex ratios and hormones in HLA related rheumatic diseases. James WH. **Ann Rheum Dis** 1991 Jun;50(6):401–4 (44 ref.)

Peptide–mediated allo–recognition of HLA–B27 by cytotoxic T lymphocytes. Rojo S, et al. **Int J Cancer Suppl** 1991; 6:10–3 (26 ref.)

Theoretical models to explain the association of HLA–B27 with ankylosing spondylitis. Ebringer A. **Scand J Rheumatol Suppl** 1990;87:151–63 (63 ref.)

Inflammation in HLA–B27–associated diseases. Leirisalo–Repo M. **Scand J Rheumatol Suppl** 1990;87:140–7; discussion 147 (69 ref.)

Structure and immune recognition of HLA–B27 antigens: implications for disease association. López de Castro JA, et al. **Scand J Rheumatol Suppl** 1990;87:21–31 (25 ref.)

METABOLISM

Genetical factors—other than HLA–B27—in "HLA–B27–associated diseases". Derhaag PJ. **Scand J Rheumatol Suppl** 1990;87:122–6; discussion 126 (22 ref.)

B27+ disease versus B27– disease. Linssen A. **Scand J Rheumatol Suppl** 1990;87:111–8; discussion 118–9 (45 ref.)

PHYSIOLOGY

Dysfunction of HLA–B27. Ivanyi P. **Scand J Rheumatol Suppl** 1990;87:51–69; discussion 69 (116 ref.)

HLA-BR ANTIGENS see HLA-DR ANTIGENS

HLA-D ANTIGENS

Superantigens: interaction of staphylococcal enterotoxins with MHC class II molecules. Rich RR, et al. **Trans Am Clin Climatol Assoc** 1989;101:195–204; discussion 204–6 (18 ref.)

ANALYSIS

Evasive strategies of trophoblast cells: selective expression of membrane antigens. Hunt JS, et al. **Am J Reprod Immunol** 1990 Jun;23(2):57–63 (81 ref.)

1990 cell typings in the International Cell Exchange. Lau M, et al. **Clin Transpl** 1990;:567–76 (5 ref.)

[Class II HLA typing based on the restriction fragment length polymorphisms of DNA] Aldaccak R, et al. **Rev Fr Transfus Hemobiol** 1990 Jun;33(3):175–201 (35 ref.) **(Fre)**

GENETICS

Transfection of genes for cell surface products involved in antigen presentation—applications to the understanding of autoimmunity. Altmann DM, et al. **Autoimmunity** 1990; 7(2–3):213–20 (45 ref.)

Mutagenesis and expression of putative class II susceptibility genes: a "reverse immunogenetics" approach to analysis of HLA and disease. Nepom GT. **Autoimmunity** 1990; 7(2–3):189–99 (46 ref.)

HLA class II genes: typing by DNA analysis. Bidwell JL, et al. **Baillieres Clin Haematol** 1990 Apr;3(2):355–84 (83 ref.)

HLA–DQ and –DX genes in insulin–dependent diabetes mellitus. Michelsen B, et al. **Curr Top Microbiol Immunol** 1990;164:57–68 (51 ref.)

Evolution of HLA class–II genes and haplotypes. Silver J. **Immunol Res** 1990;9(3):212–22 (32 ref.)

[The role of HLA antigens class II in differentiation of normal and pathological B–lymphocytes. I. Normal hematopoiesis] Pluta A. **Acta Haematol Pol** 1990 Jan–Jun;

21(1):113–7 (37 ref.) **(Pol)**
[The role of HLA antigens class II in differentiation of normal and pathological B-lymphocytes. II. HLA-D expression in leukemia and non-Hodgkin's lymphoma] Pluta A. **Acta Haematol Pol** 1990 Jan-Jun;21(1):118–23 (37 ref.) **(Pol)**

METABOLISM

Interisotypic alpha- and beta-chain assembly as a source of HLA class-II diversity. Charron DJ, et al. **Immunol Res** 1990;9(3):234–43 (21 ref.)
Transport and expression of HLA class-II glycoproteins. Cresswell P, et al. **Immunol Res** 1990;9(3):190–9 (36 ref.)
Intracellular transport and peptide binding properties of HLA class II glycoproteins. Cresswell P, et al. **Semin Immunol** 1990 Jul;2(4):273–80 (49 ref.)

HLA-D-RELATED ANTIGENS see **HLA-DR ANTIGENS**

HLA-DC ANTIGENS see **HLA-DQ ANTIGENS**

HLA-DQ ANTIGENS

GENETICS

Insulin dependent diabetes mellitus susceptibility or protection may be determined by certain HLA-DQ molecules. Thorsby E, et al. **Baillieres Clin Endocrinol Metab** 1991 Sep;5(3):361–73 (41 ref.)
HLA-DQ and -DX genes in insulin-dependent diabetes mellitus. Michelsen B, et al. **Curr Top Microbiol Immunol** 1990;164:57–68 (51 ref.)
Molecular analysis of the pathogenesis of beta-cell destruction in insulin-dependent diabetes mellitus. Lernmark A, et al. **West J Med** 1990 Nov;153(5):499–502 (26 ref.)

HLA-DR ANTIGENS

IMMUNOLOGY

Interactions between immunogenic peptides and HLA-DR molecules. Rothbard JB, et al. **Immunol Res** 1990; 9(3):178–89 (26 ref.)
Autoreactive HLA-DR-specific autoreactive T-cell clones: possible regulatory function for B lymphocytes and hematopoietic precursors. Tilkin AF, et al. **Immunol Rev** 1990 Aug;116:171–81 (27 ref.)
The importance of HLA-DR in autoimmune diseases. Klajman A, et al. **Isr J Med Sci** 1990 Dec;26(12):691–2 (11 ref.)

METABOLISM

Peptide-MHC interaction: a rational approach to vaccine design. Romagnoli P, et al. **Int Rev Immunol** 1990; 6(1):61–73 (28 ref.)

HLA-DW ANTIGENS see **HLA-D ANTIGENS**

HLA-MB ANTIGENS see **HLA-DQ ANTIGENS**

HLA-MT ANTIGENS see **HLA-DR ANTIGENS**

HMG-20 see **UBIQUITIN**

HMG COA REDUCTASES see **HYDROXYMETHYLGLUTARYL COA REDUCTASES**

HMG PROTEINS see **HIGH MOBILITY GROUP PROTEINS**

HMN DISTAL TYPE I see **CHARCOT-MARIE DISEASE**

HMN PROXIMAL TYPE I see **WERDNIG-HOFFMANN DISEASE**

HMSN see **NEUROPATHIES, HEREDITARY MOTOR AND SENSORY**

HMSN TYPE I see **CHARCOT-MARIE DISEASE**

HMSN TYPE II see **NEUROPATHIES, HEREDITARY MOTOR AND SENSORY**

HMSN TYPE III see **NEUROPATHIES, HEREDITARY MOTOR AND SENSORY**

HMSN TYPE IV see **REFSUM'S DISEASE**

HMSN TYPE V see **SPASTIC PARAPLEGIA, HEREDITARY**

HMSN TYPE VI see **OPTIC ATROPHY, HEREDITARY**

HMSN TYPE VII see **NEUROPATHIES, HEREDITARY MOTOR AND SENSORY**

HODGKIN'S DISEASE

Lymphomas. Longo DL, et al. **Cancer Chemother Biol Response Modif** 1990;11:343–78 (231 ref.)
Childhood Hodgkin and non-Hodgkin lymphomas. Leventhal BG, et al. **Pediatr Rev** 1990 Dec;12(6):171–9 (5 ref.)
Hodgkin's disease in children. Donaldson SS. **Semin Oncol** 1990 Dec;17(6):736–48 (72 ref.)

COMPLICATIONS

HIV-associated Hodgkin disease: a clinical study of 18 cases and review of the literature. Gold JE, et al. **Am J Hematol** 1991 Feb;36(2):93–9 (62 ref.)
Life-threatening airway obstruction at the presentation of Hodgkin's disease. Jeffery GM, et al. **Cancer** 1991 Jan 15; 67(2):506–10 (22 ref.)
Erythema nodosum and Hodgkin's disease. Taillan B, et al. **Clin Rheumatol** 1990 Sep;9(3):397–8 (6 ref.)
Linear IgA dermatosis and Hodgkin's lymphoma--report of a case in an African and review of the literature. Jacyk WK, et al. **J Dermatol** 1990 Oct;17(10):633–7 (13 ref.)
Osteomyelitis of the wrist in a patient with Hodgkin's disease. Hayes TG, et al. **J Intern Med** 1991 May;229(5):467–9 (13 ref.)
Association of germ cell tumors and Hodgkin's disease. Dexeus FH, et al. **Urology** 1991 Feb;37(2):129–34 (15 ref.)
[Lymph node toxoplasmosis, recurrent autoimmune thrombopenia and Hodgkin's disease (letter)] Hauteville D, et al. **Ann Med Interne (Paris)** 1990;141(8):710–2 (15 ref.) **(Fre)**
[A case of retroperitoneal Hodgkin's disease with dysuria] Maeda O, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1333–6 (22 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Diagnostic imaging evaluation of Hodgkin's disease and non-Hodgkin's lymphoma. Castellino RA. **Cancer** 1991 Feb 15;67(4 Suppl):1177–80 (12 ref.)
Diagnosis and staging of Hodgkin's disease. Oza AM, et al. **Curr Opin Oncol** 1990 Oct;2(5):832–7 (12 ref.)
Primary Hodgkin's disease of the thyroid: report of a case and a review of the literature. Vailati A, et al. **Haematologica** 1991 Jan-Feb;76(1):69–71 (33 ref.)

DRUG THERAPY

Primary and salvage chemotherapy in advanced Hodgkin's disease: the Milan Cancer Institute experience. Bonadonna G, et al. **Ann Oncol** 1991 Jan;2 Suppl 1:9–16 (27 ref.)
Chemotherapy of Hodgkin's disease. Oza AM, et al. **Baillieres Clin Haematol** 1991 Jan;4(1):131–56 (129 ref.)
Nitrosourea derivatives for the treatment of Hodgkin's disease involving the central nervous system: a study of 23 cases. Gershanovich ML, et al. **Bull Cancer (Paris)** 1990; 77(8):821–8 (48 ref.)
The evolving role of etoposide in the management of lymphomas and Hodgkin's disease. O'Reilly SE, et al. **Cancer** 1991 Jan 1;67(1 Suppl):271–80 (37 ref.)
Recent issues in chemotherapy for Hodgkin's disease. Canellos GP. **Curr Opin Oncol** 1989 Oct;1(1):29–31 (10 ref.)
Cytotoxic chemotherapy-induced second primary neoplasms: clinical aspects. Petru E, et al. **Neoplasma** 1991;38(2):147–55 (41 ref.)
The use of chemotherapy in the treatment of Hodgkin's disease. Longo DL. **Semin Oncol** 1990 Dec;17(6):716–35 (143 ref.)

EPIDEMIOLOGY

Hodgkin's disease in black populations: a review of the epidemiologic literature. Glaser SL. **Semin Oncol** 1990 Dec; 17(6):643–59 (65 ref.)

ETIOLOGY

An epidemiologist's view of the new molecular biology findings in Hodgkin's disease. Mueller N. **Ann Oncol** 1991 Feb;2 Suppl 2:23–8 (44 ref.)
Hodgkin's disease in association with human immunodeficiency virus infection. Pathologic and immunologic features. Pelstring RJ, et al. **Cancer** 1991 Apr 1;67(7):1865–73 (65 ref.)
Hodgkin's disease and AIDS. Twenty-three new cases and a review of the literature. Ames ED, et al. **Hematol Oncol Clin North Am** 1991 Apr;5(2):343–56 (45 ref.)
[Etiopathogenesis of Hodgkin's disease in the light of current studies] Smolewski P, et al. **Postepy Hig Med Dosw** 1989; 43(2–4):275–90 (107 ref.) (Eng. Abstr.) **(Pol)**

GENETICS

Serial cytogenetic studies showing persistence of original clone in Hodgkin's disease. Reeves BR, et al. **Cancer Genet Cytogenet** 1990 Nov 1;50(1):1–8 (8 ref.)

IMMUNOLOGY

Transfusion-associated graft-vs-host disease in patients with malignancies. Report of two cases and review of the literature [see comments] Decoste SD, et al. **Arch Dermatol** 1990 Oct;126(10):1324–9 (50 ref.) Comment in: Arch Dermatol 1990 Oct;126(10):1347–50.
Hodgkin's disease revisited: Reed-Sternberg cells as natural hybridomas. Sinkovics JG. **Crit Rev Immunol** 1991; 11(1):33–63 (172 ref.)
The cell of origin in Hodgkin's disease. Diehl V, et al. **Semin Oncol** 1990 Dec;17(6):660–72 (116 ref.)
The impact of Hodgkin's disease on the immune system. Slivnick DJ, et al. **Semin Oncol** 1990 Dec;17(6):673–82 (87 ref.)
[Immunohistology of Hodgkin's disease. Use of monoclonal antibodies in the analysis of the pathomorphology of Hodgkin's disease] Balázs L. **Morphol Igazsagugyi Orv Sz** 1990 Jul;30(3):182–90 (33 ref.) (Eng. Abstr.) **(Hun)**

MICROBIOLOGY

Viral oncogenesis: Epstein-Barr virus. Gaffey MJ, et al. **Am J Otolaryngol** 1990 Nov-Dec;11(6):375–81 (61 ref.)

PATHOLOGY

The nature of Hodgkin and Reed-Sternberg cells, their association with EBV, and their relationship to anaplastic large-cell lymphoma. Stein H, et al. **Ann Oncol** 1991 Feb; 2 Suppl 2:33–8 (36 ref.)
Current recommendations for the staging and restaging of lymphoma. Ultmann JE, et al. **Curr Opin Oncol** 1989 Oct; 1(1):17–22 (7 ref.)
Pathology of malignant lymphomas and Hodgkin's disease. Wolf BC, et al. **Curr Opin Oncol** 1989 Oct;1(1):10–6 (25 ref.)
Hodgkin's disease in the nasopharynx. MacNaughton DM, et al. **J Otolaryngol** 1990 Aug;19(4):282–4 (15 ref.)
Making choices in the staging of children with Hodgkin's disease [comment] Donaldson SS. **Med Pediatr Oncol** 1991; 19(4):211–3 (12 ref.) Comment on: Med Pediatr Oncol 1991;19(4):214–20.
The pathology of Hodgkin's disease. Banks PM. **Semin Oncol** 1990 Dec;17(6):683–95 (66 ref.)
Staging for Hodgkin's disease. Lister TA, et al. **Semin Oncol** 1990 Dec;17(6):696–703 (68 ref.)

RADIOGRAPHY

CT of lymphoma: spectrum of disease. Fishman EK, et al. **Radiographics** 1991 Jul;11(4):647–69 (66 ref.)

RADIOTHERAPY

Current status of radiotherapy and combined treatment modalities. Mauch P. **Curr Opin Oncol** 1989 Oct;1(1):23–8 (21 ref.)
Radiation therapy in the management of Hodgkin's disease. Hoppe RT. **Semin Oncol** 1990 Dec;17(6):704–15 (33 ref.)

SURGERY

Bone marrow transplantation for Hodgkin's disease, non-Hodgkin's lymphoma and multiple myeloma. Vose JM, et al. **Cancer Treat Res** 1990;50:259–78 (80 ref.)
Marrow transplantation in the treatment of patients with lymphoma. Appelbaum FR. **Curr Opin Oncol** 1989 Oct; 1(1):47–54 (22 ref.)
What is the value of autologous bone marrow transplantation in the treatment of relapsed or resistant Hodgkin's disease? McMillan A, et al. **Leuk Res** 1991;15(4):237–43 (29 ref.)

THERAPY

Is there an effective salvage therapy for advanced Hodgkin's disease? Canellos GP. **Ann Oncol** 1991 Jan;2 Suppl 1:1–7 (45 ref.)
Long-term toxicity of early stages of Hodgkin's disease therapy: the EORTC experience. EORTC Lymphoma Cooperative Group. Cosset JM, et al. **Ann Oncol** 1991 Feb; 2 Suppl 2:77–82 (28 ref.)
The management of early Hodgkin's disease. Horwich A. **Blood Rev** 1990 Sep;4(3):181–6 (27 ref.)
Transfusion-induced graft-versus-host disease in patients with malignant lymphoma. A case report and review of the literature. Spitzer TR, et al. **Cancer** 1990 Dec 1; 66(11):2346–9 (31 ref.)
Controversies in the management of Hodgkin's disease. Nissen NI, et al. **Eur J Cancer** 1991;27(3):306–9 (12 ref.)
Lymphomas in the elderly. Fiorentino MV. **Leukemia** 1991; 5 Suppl 1:79–85 (40 ref.)
The Stanford Hodgkin's disease (HD) studies--an update. Horning SJ. **Leukemia** 1991;5 Suppl 1:53–5 (13 ref.)
Secondary acute lymphoblastic leukaemia with 4:11 translocation following treatment for Hodgkin's disease: case report and review of the literature. Lennard A, et al. **Leukemia** 1991 Jul;5(7):624–7 (36 ref.)
Hodgkin's disease. Treatment of the young child. Donaldson SS, et al. **Pediatr Clin North Am** 1991 Apr;38(2):457–73 (47 ref.)
Induction of secondary neoplasms by the treatment of malignant disease: lessons from Hodgkin's disease. Connors JM. **Prog Clin Biol Res** 1990;354B:219–26 (14 ref.)
Hodgkin's disease: the role of bone marrow transplantation. Vose JM, et al. **Semin Oncol** 1990 Dec;17(6):749–57 (64 ref.)
[The treatment of Hodgkin disease: calculation of gains and losses] Noordijk EM, et al. **Ned Tijdschr Geneeskd** 1990 Dec 15;134(50):2423–5 (18 ref.) **(Dut)**
[Bone marrow transplantation in the concept of the step-by-step therapy of refractory or recurrent Hodgkin's lymphoma] Thomas M, et al. **Dtsch Med Wochenschr** 1990 Oct 12;115(41):1566–70 (29 ref.) **(Ger)**
[AIDS tumors] Hehlmann R, et al.

Verh Dtsch Ges Inn Med 1990;96:534–9 (10 ref.) **(Ger)**
[Effects of radiotherapy and chemotherapy on the heart and pericardium in patients with lymphogranulomatosis] Cheban OI, et al. **Kardiologiia** 1991 Feb;31(2):75–8 (79 ref.) **(Rus)**
[Current approaches to the treatment of patients with lymphogranulomatosis] Kanaev SV, et al. **Vopr Onkol** 1990; 36(8):899–904 (60 ref.) **(Rus)**

ULTRASONOGRAPHY

[Abdominal ultrasound diagnosis of malignant lymphomas] Plat M, et al. **Gastroenterol J** 1990;50(3):117–23 (40 ref.) (Eng. Abstr.) **(Ger)**

HOE 766 see **BUSERELIN ACETATE**

HOLISTIC HEALTH

The need for a holistic approach to patient care. Abiodun OA. **East Afr Med J** 1991 Jan;68(1):25–8 (20 ref.)

HOLMES–ADIE SYNDROME see **ADIE'S SYNDROME**

HOLOGRAPHY

METHODS

[The use of the methods of optical holography in medicine (a review of the literature)] Bobrov VA, et al. **Vrach Delo** 1991 Jan;(1):10–4 (39 ref.) **(Rus)**

HOLOPROSENCEPHALY

DIAGNOSIS

Holoprosencephaly–polydactyly ('pseudotrisomy 13') syndrome: a syndrome with features of hydrolethalus and Smith–Lemli–Opitz syndromes. A collaborative multicentre study. Verloes A, et al. **J Med Genet** 1991 May; 28(5):297–303 (34 ref.)

GENETICS

Trisomy 18 and 18p– features in a case of isochromosome 18q [46,XY,i(18q)]: prenatal diagnosis and autopsy report. Wurster–Hill DH, et al. **Clin Genet** 1991 Feb;39(2):142–8 (19 ref.)
Cerebral midline developmental anomalies: spectrum and associated features. Delezoide AL, et al. **Genet Couns** 1990; 1(3–4):197–210 (22 ref.)

HOLTER MONITORING see **ELECTROCARDIOGRAPHY, AMBULATORY**

HOME BLOOD GLUCOSE MONITORING see **BLOOD GLUCOSE SELF-MONITORING**

HOME CARE, NON-PROFESSIONAL see **HOME NURSING**

HOME CARE SERVICES

Home monitoring of uterine contractility. Summary of a workshop sponsored by the National Institute of Child Health and Human Development and the Bureau of Maternal and Child Health and Resources Development, Bethesda, Maryland, March 29 and 30, 1989. Rhoads GG, et al. **Am J Obstet Gynecol** 1991 Jul;165(1):2–6 (20 ref.)
Home care for the elderly. The new institution. Steel K. **Arch Intern Med** 1991 Mar;151(3):439–42 (47 ref.)
Home care of the elderly diabetic patient. Bernstein LH, et al. **Clin Geriatr Med** 1990 Nov;6(4):943–57 (43 ref.)
Nurses caring for the terminally ill in the community: a review of the literature. Bergen A. **Int J Nurs Stud** 1991; 28(1):89–101 (46 ref.)

LEGISLATION & JURISPRUDENCE

A review of federal home-care legislation. Keenan JM, et al. **J Am Geriatr Soc** 1990 Sep;38(9):1041–8 (36 ref.)

ORGANIZATION & ADMINISTRATION

An update on home intravenous antibiotic therapy. Bernstein LH. **Geriatrics** 1991 Jun;46(6):47–54 (14 ref.)

STANDARDS

Home health care. Barkauskas VH. **Annu Rev Nurs Res** 1990; 8:103–32 (90 ref.)
Assessing and assuring the quality of home health care: a conceptual framework. Kramer AM, et al. **Milbank Q** 1990; 68(3):413–43 (63 ref.)

HOME CHILDBIRTH

STATISTICS & NUMERICAL DATA

Birth setting for low-risk pregnancies. An analysis of the current literature. Albers LL, et al. **J Nurse Midwifery** 1991 Jul–Aug;36(4):215–20 (57 ref.)

HOME HEALTH AGENCIES see **HOME CARE SERVICES**

HOME NURSING

The contributions of the nurse and the machine in home uterine activity monitoring systems. Merkatz RB, et al. **Am J Obstet Gynecol** 1991 May;164(5 Pt 1):1159–62 (21 ref.)
Home intravenous antibiotic therapy: new technologies. Williams DN. **Recent Results Cancer Res** 1991;121:215–22 (19 ref.)

LEGISLATION & JURISPRUDENCE

Family counseling and legal issues in Alzheimer's disease. Levine J, et al. **Psychiatr Clin North Am** 1991 Jun; 14(2):385–96 (39 ref.)

METHODS

Managing the care of patients with dementia. How to maximize level of functioning and minimize behavior problems. Stewart JT. **Postgrad Med** 1991 Sep 15; 90(4):45–9 (16 ref.)

ORGANIZATION & ADMINISTRATION

[Health and the family] Kawczyńska-Butrym Z. **Wiad Lek** 1990 Nov 1–15;43(21–22):1071–6 (48 ref.) (Eng. Abstr.) **(Pol)**

PSYCHOLOGY

Psychological problems of families and health workers dealing with people infected with human immunodeficiency virus 1. Maj M. **Acta Psychiatr Scand** 1991 Mar;83(3):161–8 (36 ref.)
Understanding placement of the demented elderly. Bergman H. **Adv Exp Med Biol** 1990;282:103–12 (19 ref.)
Alzheimer's disease and the family: a challenge of the new millennium. Ham RJ. **Adv Exp Med Biol** 1990;282:3–20 (21 ref.)
Role of support group for the family caregiver of dementia: recent developments in the structure of the support system. Vickers AB. **Adv Exp Med Biol** 1990;282:141–7 (25 ref.)
Psychological difficulties of caring for dementia patients: the role of support groups. Zandi T. **Adv Exp Med Biol** 1990; 282:113–20 (51 ref.)
Relatives and patients as partners in the management of schizophrenia. The development of a service model. Smith J, et al. **Br J Psychiatry** 1990 May;156:654–60 (31 ref.)
Caregiving: an emerging risk factor for emotional and physical pathology. Eisdorfer C. **Bull Menninger Clin** 1991 Spring;55(2):238–47 (42 ref.)
The impact of AIDS on foster care: a family-centered approach to services in the United States. Taylor–Brown S. **Child Welfare** 1991 Mar–Apr;70(2):193–209 (42 ref.)
Current research issues in caregiving to the elderly. Malonebeach EE, et al. **Int J Aging Hum Dev** 1991; 32(2):103–14 (32 ref.)
Coping with the stress on carers. Taylor J. **Practitioner** 1990 Mar 22;234(1485):300–1 (2 ref.)
Effects of developmental disorder on parents: theoretical and applied considerations. Konstantareas MM, et al. **Psychiatr Clin North Am** 1991 Mar;14(1):183–98 (60 ref.)
Objective and subjective dimensions of family burden. Towards an integrative framework for research. Schene AH. **Soc Psychiatry Psychiatr Epidemiol** 1990 Nov; 25(6):289–97 (59 ref.)
[Psychosocial problems in HIV infected families—possibilities for coping] Rosendahl C, et al. **Monatsschr Kinderheilkd** 1990 Dec;138(12):789–90 (7 ref.) (Eng. Abstr.) **(Ger)**

TRENDS

Blood glucose monitors: technology for home healthcare. Hook WC, et al. **J Am Osteopath Assoc** 1991 Feb; 91(2):177–81 (6 ref.)

HOME PARENTERAL NUTRITION

Home enteral nutrition in paediatric practice. Puntis JW, et al. **Br J Hosp Med** 1991 Feb;45(2):104–7 (23 ref.)
Indications and need for long-term parenteral nutrition: implications for intestinal transplantation. Lennard-Jones JE. **Transplant Proc** 1990 Dec;22(6):2427–9 (11 ref.)

HOMELESS PERSONS

Immersion foot. A problem of the homeless in the 1990s. Wrenn K. **Arch Intern Med** 1991 Apr;151(4):785–8 (35 ref.)
Health effects of housing status on children: a house is not a home. Agustin MS. **Bull N Y Acad Med** 1990 Sep–Oct; 66(5):500–14 (41 ref.)

STATISTICS & NUMERICAL DATA

Who are the homeless families? Characteristics of sheltered mothers and children. Bassuk EL. **Community Ment Health J** 1990 Oct;26(5):425–34 (21 ref.)
Mental illness in the homeless: problems of epidemiologic method in surveys of the 1980s. Susser E, et al. **Community Ment Health J** 1990 Oct;26(5):391–414 (43 ref.)
Nutrition and health services needs among the homeless. Wiecha JL, et al. **Public Health Rep** 1991 Jul–Aug; 106(4):364–74 (60 ref.)

HOMEO BOX SEQUENCE see **GENES, HOMEO BOX**

HOMEOPATHY

Is homoeopathy a placebo? Ernst E. **Br J Clin Pharmacol** 1990 Aug;30(2):173–4 (15 ref.)

METHODS

[Special therapeutic directions. 3: Drug therapy processes, related and modified procedures] Eujen BR. **Med Monatsschr Pharm** 1991 Mar;14(3):81–6 (0 ref.) **(Ger)**
[Research in homeopathy: data, problems and prospects] Bellavite P. **Ann Ist Super Sanita** 1990;26(2):179–87 (101 ref.) (Eng. Abstr.) **(Ita)**

HOMEOSTASIS

see related
NEUROIMMUNOMODULATION

Regulation of the growth hormone binding proteins in human plasma. Fontoura M, et al. **Acta Endocrinol (Copenh)** 1991; 124 Suppl 2:10–3 (21 ref.)
Dopamine autoreceptors. Biochemical, pharmacological, and morphological studies. Goldstein M, et al. **Ann N Y Acad Sci** 1990;604:169–75 (22 ref.)
Heteroreceptors, autoreceptors, and other terminal sites. Kalsner S. **Ann N Y Acad Sci** 1990;604:1–6 (37 ref.)
Modulation of histamine synthesis and release in brain via presynaptic autoreceptors and heteroreceptors. Schwartz JC, et al. **Ann N Y Acad Sci** 1990;604:40–54 (38 ref.)
In vivo electrophysiology of central nervous system terminal autoreceptors. Tepper JM, et al. **Ann N Y Acad Sci** 1990; 604:470–87 (67 ref.)
The physiological operation of presynaptic inhibitory autoreceptors. Westfall TC. **Ann N Y Acad Sci** 1990; 604:398–413 (121 ref.)
Autoreceptor regulation of dopamine synthesis. Wolf ME, et al. **Ann N Y Acad Sci** 1990;604:323–43 (150 ref.)
Modulation of serotonin release. Interactions between the serotonin transporter and autoreceptors. Wolf WA, et al. **Ann N Y Acad Sci** 1990;604:505–13 (29 ref.)
The mutual interaction between cell volume and cell function: a new principle of metabolic regulation. Häussinger D, et al. **Biochem Cell Biol** 1991 Jan;69(1):1–4 (73 ref.)
The mineral elements in homoeostasis and morphogenesis. Williams RJ. **Biochem Soc Trans** 1990 Oct;18(5):689–705 (41 ref.)
Role of the local renin–angiotensin system in the autoregulation of the cerebral circulation. Paulson OB, et al. **Blood Vessels** 1991;28(1–3):231–5 (24 ref.)
Oxidative stress in mitochondria: its relationship to cellular Ca2+ homeostasis, cell death, proliferation, and differentiation. Richter C, et al. **Chem Biol Interact** 1991; 77(1):1–23 (135 ref.)
The importance of calcium regulation in toxic cell injury. Studies utilizing the technology of digital imaging fluorescence microscopy. Trump BF, et al. **Clin Lab Med** 1990 Sep;10(3):531–47 (38 ref.)
Calcium regulation and homeostasis. Cheek TR. **Curr Opin Cell Biol** 1991 Apr;3(2):199–205 (58 ref.)
Control of adrenal androgen secretion. Parker LN. **Endocrinol Metab Clin North Am** 1991 Jun;20(2):401–21 (85 ref.)
Dysregulation of aldosterone secretion and its relationship to the pathogenesis of essential hypertension. Williams GH, et al. **Endocrinol Metab Clin North Am** 1991 Jun; 20(2):423–47 (71 ref.)
Role of set-point theory in regulation of body weight [see comments] Harris RB. **FASEB J** 1990 Dec;4(15):3310–8 (66 ref.) Comment in: FASEB J 1991 Apr;5(7):2105–6.
Factors which regulate net hepatic glucose uptake in vivo. Cherrington AD, et al. **JPEN J Parenter Enteral Nutr** 1991 May–Jun;15(3):71S–73S (15 ref.)
The interaction of prostaglandin E1 with serum lipoproteins. Possible role in cholesterol homeostasis. Bergelson LD. **Lipids** 1990 Dec;25(12):767–74 (25 ref.)
[Metabolic regulation of ingestion in monogastric animals] Louis-Sylvestre J. **Reprod Nutr Dev** 1991;31(3):189–203 (79 ref.) (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Homeostatic theory of drug tolerance: a general model of physiological adaptation. Poulos CX, et al. **Psychol Rev** 1991 Jul;98(3):390–408 (125 ref.)
Disruption of cellular elements and water in neurotoxicity: studies using electron probe X-ray microanalysis. LoPachin RM Jr, et al. **Toxicol Appl Pharmacol** 1990 Dec; 106(3):355–74 (145 ref.)
Perturbation of calcium homeostasis as a link between acute cell injury and carcinogenesis in the kidney. Vamvakas S, et al. **Toxicol Lett** 1990 Sep;53(1–2):115–20 (14 ref.)
[Substitution therapy in the restoration of the mother's homeostasis] Kilian J. **Klin Anasthesiol Intensivther** 1989; 37:84–90 (21 ref.) **(Ger)**
[Prospects of bioregulating therapy] Iakovlev GM, et al. **Klin Med (Mosk)** 1991 May;69(5):19–23 (26 ref.) **(Rus)**
[Immune homeostasis in acute poisoning by organophosphorus compounds (a review of the literature)] Zabrodskii PF. **Voen Med Zh** 1990 Dec;(12):34–7 (36 ref.)

(Rus)

GENETICS

Fluctuating asymmetry as a possible measure of developmental homeostasis in humans: a review. Livshits G, et al. **Hum Biol** 1991 Aug;63(4):441–66 (96 ref.)

PHYSIOLOGY

Role of renal nerves in volume homeostasis. DiBona GF. **Acta Physiol Scand Suppl** 1990;591:18–27 (28 ref.)

Contribution of the tubuloglomerular feedback mechanism to sodium homeostasis and interaction with the renin–angiotensin system. Navar LG, et al. **Acta Physiol Scand Suppl** 1990;591:66–73 (27 ref.)

Peripheral neurohumoral factors and central control of homeostasis during altered sodium intake. Aguilera G. **Adv Exp Med Biol** 1990;274:227–42 (51 ref.)

Weight homeostasis. Bray GA. **Annu Rev Med** 1991; 42:205–16 (53 ref.)

Neuroendocrine mechanisms and cardiovascular homeostasis in the elderly. Phillips PA, et al. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1209–13 (44 ref.)

Short- and long-term evoked potential sequelae of deviations from homeostasis. Sohmer H. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:323–9 (42 ref.)

Regulation of glucose transporters in diabetes. Karnieli E, et al. **Horm Res** 1990;33(2–4):99–104 (57 ref.)

The brain: a dynamic system tending toward homeostasis. Leisman D. **Int J Neurosci** 1990 Sep;54(1–2):119–24 (7 ref.)

An update on thermosensitive neurons in the brain: from cellular biology to thermal and non-thermal homeostatic functions. Hori T. **Jpn J Physiol** 1991;41(1):1–22 (71 ref.)

Hypertension in obesity may reflect a homeostatic thermogenic response. Clark MG, et al. **Life Sci** 1991; 48(10):939–47 (67 ref.)

Homeostatic and protective effects of taurine. Nakagawa M. **Prog Clin Biol Res** 1990;351:447–9 (10 ref.)

[The self-regulation of pancreatic secretion] Korot'ko GF. **Fiziol Zh SSSR** 1990 Oct;76(10):1426–31 (20 ref.) (Eng. Abstr.) (Rus)

[A new pathway for the central nervous regulation of carbohydrate homeostasis] Akmaev IG. **Probl Endokrinol (Mosk)** 1990 Jul–Aug;36(4):12–8 (29 ref.) (Rus)

[Changes in glucose homeostasis in sepsis—a review] Ahrén B, et al. **Lakartidningen** 1991 Mar 6;88(10):871–3 (15 ref.) (Swe)

HOMEOTIC GENES see **GENES, HOMEO BOX**

HOMES FOR THE AGED

Understanding placement of the demented elderly. Bergman H. **Adv Exp Med Biol** 1990;282:103–12 (19 ref.)

Explicit criteria for determining inappropriate medication use in nursing home residents. Beers MH, et al. **Arch Intern Med** 1991 Sep;151(9):1825–32 (93 ref.)

Acute lead poisoning in nursing home and psychiatric patients from the ingestion of lead-based ceramic glazes. Vance MV, et al. **Arch Intern Med** 1990 Oct; 150(10):2085–92 (36 ref.)

Sexuality in dependent living situations. Mulligan T, et al. **Clin Geriatr Med** 1991 Feb;7(1):153–60 (17 ref.)

A study to determine oral health needs of institutionalised elderly patients by non dental health care workers. Hoad-Reddick G. **Community Dent Oral Epidemiol** 1991 Aug;19(4):233–6 (20 ref.)

Minimizing urinary incontinence in the nursing home. Breitenbucher RB. **Geriatrics** 1990 Dec;45(12):32–40 (22 ref.)

Parenteral antibiotic therapy for patients in nursing homes. Mulligan T. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 2:S180–3 (23 ref.)

LEGISLATION & JURISPRUDENCE

Neuroleptic drug use in the nursing home: the impact of OBRA. Burke WJ. **Am Fam Physician** 1991 Jun; 43(6):2125–30 (12 ref.)

HOMICIDE

The pathology and medicolegal aspects of sexual activity. Eckert WG, et al. **Am J Forensic Med Pathol** 1991 Mar; 12(1):3–15 (30 ref.)

LEGISLATION & JURISPRUDENCE

Is a decision to forgo tube feeding for another a decision to kill? Brodeur D. **Issues Law Med** 1991 Spring; 6(4):395–406 (19 ref.)

Is a decision to forgo tube feeding for another a decision to kill? Smith WB. **Issues Law Med** 1991 Spring;6(4):385–94 (45 ref.)

TRENDS

New directions in violence prediction: the public health arena. Mercy JA, et al. **Violence Vict** 1988 Winter; 3(4):285–301 (75 ref.)

HOMING RECEPTORS, T-CELL see **RECEPTORS, LYMPHOCYTE HOMING**

HOMINIDAE

Cladistics and the hominid fossil record. Trinkaus E. **Am J Phys Anthropol** 1990 Sep;83(1):1–11 (69 ref.)

Human survival from the viewpoint of contextual individualism: discussion paper. Bartalos MK. **J R Soc Med** 1990 Sep;83(9):573–5 (9 ref.)

[Infanticide in primates and man and the problems of reconstructing the social behavior of the hominids] Butovskaia ML. **Biol Nauki** 1990;(12):5–23 (72 ref.) (Eng. Abstr.) (Rus)

ANATOMY & HISTOLOGY

Aquatic ape theory and fossil hominids. Verhaegen MJ. **Med Hypotheses** 1991 Jun;35(2):108–14 (90 ref.)

Tooth crown heights, tooth wear, sexual dimorphism and jaw growth in hominoids. Dean MC, et al. **Z Morphol Anthropol** 1991;78(3):425–40 (27 ref.)

CLASSIFICATION

Does brain size variability provide evidence of multiple species in Homo habilis? Miller JA. **Am J Phys Anthropol** 1991 Apr;84(4):385–98 (78 ref.)

GENETICS

Trans-sensing effects from Drosophila to humans. Tartof KD, et al. **Cell** 1991 Apr 19;65(2):201–3 (23 ref.)

PARASITOLOGY

[Where do the parasites of man come from?] Combes C. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:59–64 (12 ref.) (Eng. Abstr.) (Fre)

HOMINIDS see **HOMINIDAE**

HOMO SAPIENS see **HOMINIDAE**

HOMOCYSTEINE

ANALOGS & DERIVATIVES

Homocysteic acid as transmitter candidate in the mammalian brain and excitatory amino acids in epilepsy. Cuénod M, et al. **Adv Exp Med Biol** 1990;268:57–63 (54 ref.)

Localization and release of homocysteic acid, an excitatory sulfur-containing amino acid. Cuénod M, et al. **J Histochem Cytochem** 1990 Dec;38(12):1713–5 (29 ref.)

BLOOD

[Determination of homocysteine and methylmalonic acid in cobalamin deficiency. Diagnostic problem with a solution?] Schneede J, et al. **Tidsskr Nor Laegeforen** 1991 Feb 10; 111(4):450–5 (27 ref.) (Eng. Abstr.) (Nor)

METABOLISM

Clinical significance of pharmacological modulation of homocysteine metabolism. Refsum H, et al. **Trends Pharmacol Sci** 1990 Oct;11(10):411–6 (47 ref.)

HOMO-GAMMA LINOLENIC ACID see **8,11,14-EICOSATRIENOIC ACID**

HOMOGRAFT see **TRANSPLANTATION, HOMOLOGOUS**

HOMOGRAFT DRESSINGS see **BIOLOGICAL DRESSINGS**

HOMOLOGOUS SEQUENCES, NUCLEIC ACID see **SEQUENCE HOMOLOGY, NUCLEIC ACID**

HOMOLOGOUS WASTING DISEASE see **GRAFT VS HOST DISEASE**

HOMOSEXUALITY

Populations at increased risk of HIV infection: current knowledge and limitations. Gibbs DA, et al. **J Acquir Immune Defic Syndr** 1991;4(9):881–9 (30 ref.)

Lavender and gray: a brief survey of lesbian and gay aging studies. Cruikshank M. **J Homosex** 1990;20(3–4):77–87 (22 ref.)

Sexually transmitted causes of gastrointestinal symptoms in homosexual men. Rompalo A. **Med Clin North Am** 1990 Nov;74(6):1633–45 (90 ref.)

HISTORY

A critical historical analysis of the medical construction of lesbianism. Stevens PE, et al. **Int J Health Serv** 1991; 21(2):291–307 (170 ref.)

PSYCHOLOGY

The psychoanalytic perspective of adolescent homosexuality: a review. Mills JK. **Adolescence** 1990 Winter; 25(100):913–22 (27 ref.)

Psychosocial and erotic development in cross-gender identified children. Zucker KJ. **Can J Psychiatry** 1990 Aug; 35(6):487–95 (64 ref.)

Experiencing multiple loss of persons with AIDS: grief and bereavement issues. Biller R, et al. **Health Soc Work** 1990 Nov;15(4):283–90 (16 ref.)

The coming-out process for homosexuals. Martin HP. **Hosp Community Psychiatry** 1991 Feb;42(2):158–62 (46 ref.)

Ontogenesis of boyhood gender identity disorder. Coates S. **J Am Acad Psychoanal** 1990 Fall;18(3):414–38 (63 ref.)

Boy-lovers and their influence on boys: distorted research and anecdotal observations. Brongersma E. **J Homosex** 1990;20(1–2):145–73 (110 ref.)

The study of intergenerational intimacy in North America: beyond politics and pedophilia. Jones GP. **J Homosex** 1990; 20(1–2):275–95 (110 ref.)

Understanding childhood sexualities. Plummer K. **J Homosex** 1990;20(1–2):231–49 (55 ref.)

Attitudes towards homosexuality in American health care literature 1983–1987. Schwanberg SL. **J Homosex** 1990; 19(3):117–36 (80 ref.)

Man/boy love and the American gay movement. Thorstad D. **J Homosex** 1990;20(1–2):251–74 (45 ref.)

HOMOVANILLIC ACID

URINE

Mass screening for neuroblastoma in Japan. Sawada T, et al. **Pediatr Hematol Oncol** 1991 Apr–Jun;8(2):93–109 (49 ref.)

HOMOZYGOTE

[Coronary revascularization with reduction of serum cholesterol level using LDL apheresis in patient with homozygous familial hypercholesterolemia] Takahashi T, et al. **Kokyu To Junkan** 1990 Sep;38(9):925–30 (14 ref.) (Eng. Abstr.) (Jpn)

HONEY

[The evaluation of "natural" sweeteners, especially concentrated fruit juices, syrups and honey] Hötzel D. **Z Ernahrungswiss** 1990;29 Suppl 1:53–61 (12 ref.) (Eng. Abstr.) (Ger)

HOOF AND CLAW

ANATOMY & HISTOLOGY

Factors involved in the balancing of equine hooves. Balch O, et al. **J Am Vet Med Assoc** 1991 Jun 1;198(11):1980–9 (48 ref.)

SURGERY

Feline scratching and destruction and the effects of declawing. Landsberg GM. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):265–79 (21 ref.)

HOOKWORM INFECTIONS

PARASITOLOGY

Parasitic diseases. Other roundworms. Trichuris, hookworm, and Strongyloides. Walden J. **Prim Care** 1991 Mar; 18(1):53–74 (40 ref.)

HORDEUM see **BARLEY**

HORMONE ANALOGS see **HORMONES, SYNTHETIC**

HORMONE ANTAGONISTS

CHEMICAL SYNTHESIS

[Hormones and antihormones. The steroidal model] Formstecher PA, et al. **J Pharm Belg** 1991 Jan–Feb; 46(1):37–48 (19 ref.) (Eng. Abstr.) (Fre)

HORMONE-DEPENDENT NEOPLASMS see **NEOPLASMS, HORMONE-DEPENDENT**

HORMONE RECEPTORS see **RECEPTORS, ENDOGENOUS SUBSTANCES**

HORMONE REPLACEMENT THERAPY, POST-MENOPAUSAL see **ESTROGEN REPLACEMENT THERAPY**

HORMONES

ADMINISTRATION & DOSAGE

Hormone, lectin and toxin–toxin conjugates. Oeltmann TN, et al. **Cancer Treat Res** 1988;37:281–95 (51 ref.)

Intranasal administration of peptide hormones: factors affecting transmucosal absorption. Pontiroli AE, et al. **Diabetic Med** 1990 Nov;7(9):770–4 (36 ref.)

[Combined chemo- and hormone-therapy in advanced ovarian carcinoma—theoretical, experimental foundations and clinical results] Sevelda P. **Wien Klin Wochenschr Suppl** 1990;183:3–29 (120 ref.) (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

[The effect of hormonal drugs used during menopause on the cardiovascular system] Szymasiuk J, et al. **Pol Tyg Lek** 1989 Dec 2-24;44(49-52):970-2 (20 ref.) **(Pol)**

ANALYSIS

Hormonal assay methodology: present and future prospects. Albertson BD. **Clin Obstet Gynecol** 1990 Sep;33(3):591-610 (63 ref.)

Hormonal evaluation of the patient with an incidentally discovered adrenal mass [see comments] Ross NS, et al. **N Engl J Med** 1990 Nov 15;323(20):1401-5 (38 ref.) Comment in: N Engl J Med 1991 Apr 18;324(16):1135-6.

Localization of hormones by antibodies. Heitz PU. **Recent Results Cancer Res** 1990;118:19-26 (21 ref.)

[Methodological developments in gynecological-endocrinological diagnosis] Taubert HD, et al. **Gynakologe** 1991 Feb;24(1):28-35 (31 ref.) **(Ger)**

[Progress in diagnostic techniques for high-sensitivity hormone analysis and DNA diagnosis] Miyai K. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):342-5 (6 ref.) **(Jpn)**

BIOSYNTHESIS

The expression of peptide hormones in normal cells and tumour cells. Rehfeld JF, et al. **Acta Oncol** 1991; 30(4):429-33 (30 ref.)

BLOOD

Endocrine consequences of alcohol abuse. Van Thiel DH, et al. **Alcohol Alcohol** 1990;25(4):341-4 (37 ref.)

[Recent parameters for diagnosis of challenging thyroid gland disorders: consequences for diagnosis and therapy] Wenzel KW. **Acta Med Austriaca** 1991;18(1):1-6 (30 ref.) (Eng. Abstr.) **(Ger)**

[Endocrinological diagnosis of normocyclic functional sterility] Moltz L, et al. **Ther Umsch** 1990 Dec; 47(12):926-36 (68 ref.) (Eng. Abstr.) **(Ger)**

[Interaction between beta-endorphin, steroids and peptide hormones in fibrocystic lesions of the female breast] Schurz B. **Wien Klin Wochenschr Suppl** 1991;187:3-26 (163 ref.) (Eng. Abstr.) **(Ger)**

[Hormone diagnosis of diseases of the hypophysis, adrenal glands and gonads] Hubl W, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3-4):99-103 (9 ref.) **(Ger)**

[The role of steroid-binding glycoproteins in human blood in transmitting the hormonal signal to the cell] Strel'chenok OA. **Fiziol Zh SSSR** 1990 Sep;76(9):1187-96 (49 ref.) (Eng. Abstr.) **(Rus)**

CHEMISTRY

Developments in techniques for radioiodination of peptide hormones and other proteins. Karonen SL. **Scand J Clin Lab Invest Suppl** 1990;201:135-8 (22 ref.)

IMMUNOLOGY

Endocrine regulation of the immune system during pregnancy. Szekeres-Bartho J. **Arch Immunol Ther Exp (Warsz)** 1990;38(1-2):125-40 (118 ref.)

METABOLISM

Calciotropic hormones in human and experimental hypertension. Resnick LM. **Am J Hypertens** 1990 Aug;3(8 Pt 2):171S-178S (78 ref.)

The reversible cross-linking of receptors by ligands: theory for the prediction of binding responses. Mark AE, et al. **Biochem Int** 1990 Nov;22(4):685-97 (23 ref.)

Reducing cancer risk in women through lifestyle-mediated changes in hormone levels. Pike MC. **Cancer Detect Prev** 1990;14(6):595-607 (42 ref.)

Hormonal and metabolic response to operative stress in the neonate. Schmeling DJ, et al. **JPEN J Parenter Enteral Nutr** 1991 Mar-Apr;15(2):215-38 (250 ref.)

Response of hormones and lipid metabolism to different dietary proteins. Barth CA, et al. **Monogr Atheroscler** 1990; 16:110-25 (92 ref.)

[Target sites and mechanisms of action of hormones along the nephron] Morel F, et al. **Ann Endocrinol (Paris)** 1990; 51(3-4):112-8 (38 ref.) (Eng. Abstr.) **(Fre)**

[Hormonal regulation of lipoprotein lipase activity] Piskorska D, et al. **Przegl Lek** 1990;47(11):760-2 (43 ref.) **(Pol)**

PHARMACOLOGY

Hormonal regulation of phosphatidylcholine breakdown. Exton JH. **Adv Second Messenger Phosphoprotein Res** 1990; 24:152-7 (41 ref.)

Pertussis toxin-sensitive G-proteins: participation in the modulation of voltage-dependent Ca2+ channels by hormones and neurotransmitters. Rosenthal W, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:89-94 (28 ref.)

Transcriptional regulation of mouse mammary tumor virus by steroid hormones. Beato M. **Crit Rev Oncog** 1991; 2(3):195-210 (168 ref.)

Hormone sensitive phosphodiesterase of liver and adipose tissue. Loten EG. **Int J Biochem** 1991;23(7-8):649-55 (72 ref.)

Insights into hormonal control of messenger RNA stability. Nielsen DA, et al. **Mol Endocrinol** 1990 Jul;4(7):953-7 (55 ref.)

Endothelial and neuro-humoral control of coronary blood flow in health and disease. Bassenge E, et al. **Rev Physiol Biochem Pharmacol** 1990;116:77-165 (568 ref.)

Rapid membrane effects of steroid hormones: an emerging concept in neuroendocrinology. Schumacher M. **Trends Neurosci** 1990 Sep;13(9):359-62 (48 ref.)

PHYSIOLOGY

Paracrine actions of IGF binding proteins. Minuto F, et al. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:63-9 (34 ref.)

The tuberoinfundibular dopaminergic neurons of the brain: hormonal regulation. Porter JC, et al. **Adv Exp Med Biol** 1990;274:1-23 (33 ref.)

Cardiac hormones and neuroendocrine function. Samson WK. **Adv Exp Med Biol** 1990;274:177-90 (98 ref.)

Hormonal and local factors in hypertension. Kaplan NM. **Am J Med Sci** 1991 Jun;301(6):412-20 (109 ref.)

Hormonal actions during oocyte maturation influence fertilization and early embryonic development. Armstrong DT, et al. **Ann N Y Acad Sci** 1991;626:137-58 (68 ref.)

Effects of steroid hormones on the serotonergic system. Biegon A. **Ann N Y Acad Sci** 1990;600:427-32; discussion 432-4 (43 ref.)

Endocrinological responses to 5-HT. Cowen PJ, et al. **Ann N Y Acad Sci** 1990;600:250-7; discussion 257-9 (11 ref.)

Mechanisms of altered hormone-neurotransmitter action during aging: from receptors to calcium mobilization. Roth GS. **Annu Rev Gerontol Geriatr** 1990;10:132-46 (81 ref.)

Hormones, growth factors, and myogenic differentiation. Florini JR, et al. **Annu Rev Physiol** 1991;53:201-16 (89 ref.)

Hormonal control of the surfactant system in fetal lung. Mendelson CR, et al. **Annu Rev Physiol** 1991;53:415-40 (122 ref.)

Is N-methyl-N'-nitro-N-nitrosoguanidine a hormonal carcinogen? (Review). Kodama M, et al. **Anticancer Res** 1991 Mar-Apr;11(2):941-6 (38 ref.)

Endocrine control of fatty acid desaturation. Brenner RR. **Biochem Soc Trans** 1990 Oct;18(5):773-5 (5 ref.)

A new understanding of the hormonal regulation of endocrine dependent cancer. Waxman J. **Br Med Bull** 1991 Jan;47(1):197-208 (8 ref.)

Steroid hormone regulation of cultured breast cancer cells. Darbre PD, et al. **Cancer Treat Res** 1988;40:307-41 (119 ref.)

Regulation of development of the normal mammary gland by hormones and growth factors. Vonderhaar BK. **Cancer Treat Res** 1988;40:251-66 (84 ref.)

Epigenetic autocrine and paracrine factors regulating lung morphogenesis. A paradigm for lung repair. Warburton D. **Chest** 1991 Mar;99(3 Suppl):15S-18S (57 ref.)

Endocrine factors in geriatric sexuality. Morley JE. **Clin Geriatr Med** 1991 Feb;7(1):85-93 (48 ref.)

The hormonal aspects of carcinogenesis. Kodama M, et al. **Crit Rev Oncog** 1989;1(2):145-61 (111 ref.)

Hormones common to the neuroendocrine and immune systems. Carr DJ, et al. **Drug Des Deliv** 1989 May; 4(3):187-95 (40 ref.)

The tissue matrix: cell dynamics and hormone action. Getzenberg RH, et al. **Endocr Rev** 1990 Aug;11(3):399-417 (265 ref.)

Endocrine factors in common epithelial ovarian cancer. Rao BR, et al. **Endocr Rev** 1991 Feb;12(1):14-26 (179 ref.)

Hormones as regulators of pancreatic secretion in man. Adler G, et al. **Eur J Clin Invest** 1990 Oct;20 Suppl 1:S27-32 (40 ref.)

Adaptive regulation of hormone interaction with receptor. Viru A. **Exp Clin Endocrinol** 1991 Mar;97(1):13-28 (105 ref.)

Host-parasite hormonal relationships: a common theme? Beckage NE. **Exp Parasitol** 1991 Apr;72(3):332-8 (64 ref.)

Local hormonal factors (intracrine, autocrine, and paracrine) in hypertension. Carretero OA, et al. **Hypertension** 1991 Sep;18(3 Suppl):I58-69 (120 ref.)

Insect tissue culture systems: models for study of hormonal control of development. Porcheron P. **In Vitro Cell Dev Biol** 1991 Jun;27A(6):479-82 (45 ref.)

Hormones and mammary tumour disease in the female dog: an update. Rutteman GR. **In Vivo** 1990 Jan-Feb;4(1):33-40 (107 ref.)

Leukemia inhibitory factor: a biological perspective. Hilton DJ, et al. **J Cell Biochem** 1991 May;46(1):21-6 (58 ref.)

Regulation of transforming growth factor-beta subtypes by members of the steroid hormone superfamily. Wakefield L, et al. **J Cell Sci Suppl** 1990;13:139-48 (34 ref.)

Developmental and hormonal regulation of surfactant protein A (SP-A) gene expression in fetal lung. Mendelson CR, et al. **J Dev Physiol** 1991 Jan;15(1):61-9 (30 ref.)

Local hormones in the kidney: protectors of the kidney against the body? Argent NB, et al. **J Endocrinol** 1990 Sep; 126(3):351-4 (27 ref.)

Hormonally mediated changes in simple reflex circuits during metamorphosis in Manduca. Levine RB, et al. **J Neurobiol** 1990 Oct;21(7):1022-36 (43 ref.)

Hormonal regulation of protein metabolism. Long CL, et al. **JPEN J Parenter Enteral Nutr** 1990 Nov-Dec; 14(6):555-62 (85 ref.)

Herpes gestationis--bullae from hormones that cause increased extracellular matrix (autoantibodies to epidermal basement membrane as a secondary phenomenon). Stone OJ. **Med Hypotheses** 1990 Sep;33(1):11-4 (19 ref.)

Endocrine control of glucose homeostasis in mammals: food for thought. Widmaier EP. **Mol Cell Endocrinol** 1991 Jan; 75(1):C1-6 (45 ref.)

Endocrine control of hypothalamic and pituitary met-enkephalin and beta-endorphin contents. Tang F. **Neuroendocrinology** 1991;53 Suppl 1:68-76 (46 ref.)

Psychoneuroendocrinology of stress and emotions: issues for future research. Vingerhoets AJ, et al. **Psychother Psychosom** 1991;55(2-4):69-75 (22 ref.)

G-proteins and their involvement in hormonal signal transduction. Gordeladze JO, et al. **Scand J Clin Lab Invest Suppl** 1990;202:127-30 (15 ref.)

Endocrinization of the early embryo: an emerging role for hormones and hormone-like factors. de Pablo F, et al. **Trends Biochem Sci** 1990 Sep;15(9):339-42 (39 ref.)

Structure--function relationships of the glycoprotein hormones and their receptors. Reichert LE Jr, et al. **Trends Pharmacol Sci** 1991 May;12(5):199-203 (48 ref.)

[Hormones in bone metabolism. II. Other systemic hormones] Zák J, et al. **Cas Lek Cesk** 1990 Dec 14;129(50):1578-81 (25 ref.) (Eng. Abstr.) **(Cze)**

[Hormonal control of gene expression] André J. **Pediatrie** 1990;45(11):753-61 (14 ref.) (Eng. Abstr.) **(Fre)**

[Progress in the field of peptide hormones through the eyes of an internist] Gibiński K. **Pol Tyg Lek** 1990 Feb 19-26; 45(8-9):151-5 (21 ref.) **(Pol)**

[Endocrine disorders in patients with chronic renal failure] Więcek A, et al. **Postepy Hig Med Dosw** 1989; 43(5-6):423-51 (284 ref.) **(Pol)**

[Hormones and breast development] Bagramian ER, et al. **Akush Ginekol (Mosk)** 1990 Dec;(12):3-6 (45 ref.) **(Rus)**

[Characteristics of the hormonal-immunologic status in inflammatory disorders of the female reproductive system] Khmel'nitskii OK, et al. **Arkh Patol** 1990;52(11):5-9 (51 ref.) (Eng. Abstr.) **(Rus)**

[Changes in hormone and neurotransmitter action with aging] Rot Dzh. **Fiziol Zh** 1990 Sep-Oct;36(5):82-9 (58 ref.) (Eng. Abstr.) **(Rus)**

[The participation of transmembrane messenger systems in the action of steroid hormones on target cells] Morozova TM, et al. **Fiziol Zh SSSR** 1990 Sep;76(9):1179-86 (24 ref.) (Eng. Abstr.) **(Rus)**

[The evolutionary pathways of the systems realizing the hormonal signal] Pertseva MN. **Fiziol Zh SSSR** 1990 Sep; 76(9):1126-37 (45 ref.) (Eng. Abstr.) **(Rus)**

[Thrombocytic- and erythrocytic-hormonal interrelationships in endocrine system pathology] Mrochek AG, et al. **Patol Fiziol Eksp Ter** 1990 Sep-Oct;(5):56-9 (128 ref.) **(Rus)**

[The structure and hormonal regulation of the expression of tyrosine aminotransferase genes in mammals] Mertvetsov NP, et al. **Probl Endokrinol (Mosk)** 1990 Jul-Aug; 36(4):42-51 (38 ref.) **(Rus)**

[The hormonal system of calcium metabolism regulation in the pathogenesis of blood circulation disorders] Khudaverdian DN, et al. **Usp Fiziol Nauk** 1991 Jan-Feb; 22(1):57-76 (165 ref.) **(Rus)**

[Neuroendocrine regulation of the immune system] Juránková E. **Cesk Fysiol** 1991;40(2):173-87 (110 ref.) **(Slo)**

SECRETION

Dynamic organization of endocrine networks. The neuroendocrine-reproductive axis and the pineal gland as examples. Reiter RJ, et al. **Ann N Y Acad Sci** 1991; 618:11-27 (41 ref.)

Paracrine control of anterior pituitary hormone secretion. Jones TH, et al. **J Endocrinol** 1990 Oct;127(1):5-13 (109 ref.)

Sensory receptors as a special class of hormonal cells. Pang SF, et al. **Neuroendocrinology** 1991;53 Suppl 1:2-11 (79 ref.)

Neuroendocrine rhythms. Hastings MH. **Pharmacol Ther** 1991;50(1):35-71 (349 ref.)

[Hormone-active gastrointestinal tumors. I. Pathophysiology and clinical aspects] Müller MK, et al. **Med Klin** 1990 Oct 15;85(10):598-601 (0 ref.) **(Ger)**

THERAPEUTIC USE

New hormonal approaches to the treatment of breast cancer. Hamm JT, et al. **Crit Rev Oncol Hematol** 1991;11(1):29-41 (76 ref.)

Chemotherapy, hormonal therapy, and steroid receptors in gynecologic cancer. Blackledge G, et al. **Curr Opin Oncol** 1990 Oct;2(5):881-4 (10 ref.)

Chemotherapy and endocrine therapy in metastatic disease. Pritchard KI. **Curr Opin Oncol** 1989 Dec;1(2):324-32 (23 ref.)

Chemotherapy and hormonal therapy in stage III disease; inflammatory breast cancer. Ragaz J. **Curr Opin Oncol** 1990 Dec;2(6):1068-87 (53 ref.)

Guidelines for drug treatment of male infertility. Haidl G, et al. **Drugs** 1991 Jan;41(1):60-8 (37 ref.)

Growth factors, endocrine aspects and hormonal treatment in hepatocellular carcinoma--an overview. d'Arville CN, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20; 37(6):1007-12 (58 ref.)

Radical prostatectomy and adjuvant endocrine treatment: a

review. Bosch R, et al. **Prog Clin Biol Res** 1990;359:239–47; discussion 249–50 (13 ref.)
Second line treatment of hormone refractory prostatic cancer patients. Collste LG. **Prog Clin Biol Res** 1990;357:29–37 (18 ref.)
Scientific background of hormonal treatment of prostate cancer. Klijn JG. **Prog Clin Biol Res** 1990;357:7–22 (67 ref.)
What is new in endocrine therapy of prostatic cancer? Schröder FH. **Prog Clin Biol Res** 1990;357:45–52 (18 ref.)
[Adjuvant hormone therapy of primary breast cancer. Review of the literature] Focan C. **Rev Med Liege** 1991 May;46(5):270–8 (81 ref.) **(Fre)**
[Hormonal treatment of metastatic bone cancer] Tubiana-Hulin M. **Rev Rhum Mal Osteoartic** 1990 Nov; 57(11):821–7 (33 ref.) **(Fre)**
[Current developments in systemic therapy of breast carcinoma] Brunner KW. **Schweiz Rundsch Med Prax** 1991 Mar 12;80(11):255–61 (13 ref.) (Eng. Abstr.) **(Ger)**
[Treatment of hypopituitarism] Rizzi G. **Minerva Endocrinol** 1990 Jan–Mar;15(1):43–54 (16 ref.) (Eng. Abstr.) **(Ita)**
[Pharmacologic treatment of constitutional short stature] Zaccaria M. **Minerva Endocrinol** 1990 Jan–Mar;15(1):73–8 (16 ref.) (Eng. Abstr.) **(Ita)**

TOXICITY

Hormone toxicity in the newborn. Kincl FA. **Monogr Endocrinol** 1990;31:1–334 (2221 ref.)

HORMONES, ECTOPIC

see related
NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

ANALYSIS

Human chorionic gonadotropin expression by bladder cancers: biology and clinical potential. Iles RK, et al. **J Urol** 1991 Mar;145(3):453–8 (65 ref.)

BLOOD

[Paraneoplastic endocrinopathies] Müller OA, et al. **Internist (Berl)** 1990 Aug;31(8):492–8 (35 ref.) **(Ger)**
[Hormone inactive hypophyseal tumors and anterior hypophyseal insufficiency] Kröhne HJ, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):119–23 (14 ref.) **(Ger)**

PHYSIOLOGY

[Melatonin in the retina of vertebrates] Zawilska J, et al. **Acta Physiol Pol** 1989;40 Suppl 33:28–96 (252 ref.) **(Pol)**

SECRETION

[Ectopic production of human chorionic gonadotropin by poorly differentiated transitional cell carcinoma of the renal pelvis] Izumi H, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Oct;81(10):1569–73 (8 ref.) (Eng. Abstr.) **(Jpn)**
[A case of adenocarcinoma of the stomach associated with SIADH] Saitoh S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jun;88(6):1349–53 (14 ref.) **(Jpn)**

HORMONES, SYNTHETIC

ADVERSE EFFECTS

Normal pregnancy outcome after early maternal exposure to gonadotropin releasing hormone agonist. A case report. Ghazi DM, et al. **J Reprod Med** 1991 Mar;36(3):173–4 (9 ref.)

CHEMICAL SYNTHESIS

[Hormones and antihormones. The steroidal model] Formstecher PA, et al. **J Pharm Belg** 1991 Jan–Feb; 46(1):37–48 (19 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOKINETICS

Food safety and pharmacokinetic studies which support a zero (0) meat and milk withdrawal time for use of sometribove in dairy cows. Hammond BG, et al. **Ann Rech Vet** 1990;21 Suppl 1:107S–120S (53 ref.)

THERAPEUTIC USE

Wider indications for treatment with biosynthetic human growth hormone in children. Hindmarsh PC, et al. **Clin Endocrinol (Oxf)** 1991 May;34(5):417–27 (110 ref.)
[Use of LHRH agonists in the treatment of advanced cancer of the prostate] Fretin J. **Arch Esp Urol** 1990 Jul–Aug; 43(6):647–9 (24 ref.) (Eng. Abstr.) **(Spa)**
[Therapeutic usefulness of synthetic delayed-action somatostatin in gastrointestinal diseases] Miranda Ruiz R, et al. **Rev Gastroenterol Mex** 1991 Jan–Mar;56(1):39–41 (42 ref.) **(Spa)**

HORNER'S SYNDROME

DIAGNOSIS

Horner's syndrome in the emergency department. Harpe KG, et al. **J Emerg Med** 1990 Sep–Oct;8(5):629–34 (28 ref.)

HORSE DISEASES

A comparison of human and animal botulism: a review. Critchley EM. **J R Soc Med** 1991 May;84(5):295–8 (29 ref.)
Animal cytomegaloviruses. Staczek J. **Microbiol Rev** 1990 Sep;54(3):247–65 (378 ref.)
Upper airway conditions in older horses, broodmares, and stallions. Embertson RM. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):149–64 (66 ref.)

DIAGNOSIS

Equine viral arteritis. Huntington PJ, et al. **Aust Vet J** 1990 Dec;67(12):429–31 (39 ref.)
Pleuropneumonia. Byars TD, et al. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):63–78 (20 ref.)
Upper airway obstruction in performance horses. Differential diagnoses and treatment. Dean PW. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):123–48 (39 ref.)
Clinical examination of the respiratory system. Hinchcliff KW, et al. **Vet Clin North Am Equine Pract** 1991 Apr; 7(1):1–26 (79 ref.)
Viral respiratory disease of the horse. Powell DG. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):27–52 (53 ref.)
Additional diagnostic procedures. Reed SM, et al. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):197–9 (7 ref.)
Local anesthetic techniques for diagnosis of lameness. Schmotzer WB, et al. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):705–28 (31 ref.)
[Rupture of the bladder and of the urachus in foals. A literature review] Baerveldt MC, et al. **Tijdschr Diergeneeskd** 1991 Mar 1;116(5):221–8 (22 ref.) (Eng. Abstr.) **(Dut)**
[The diagnosis of adrenal cortical function in animals using hormone analysis] Evers P, et al. **Tierarztl Prax** 1990 Dec; 18(6):557–63 (39 ref.) (Eng. Abstr.) **(Ger)**
[Bone marrow examination in the horse] Tschudi P. **Tierarztl Prax** 1990 Dec;18(6):619–22 (19 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Chloramphenicol 3. Clinical pharmacology of systemic use in the horse. Page SW. **Aust Vet J** 1991 Jan;68(1):5–8 (43 ref.)

ETIOLOGY

Chronic obstructive pulmonary disease. Beech J. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):79–91 (58 ref.)
Upper respiratory obstruction in foals, weanlings, and yearlings. Hardy J. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):105–22 (51 ref.)
Anesthetic complications in the horse. Klein L. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):665–92 (118 ref.)
Exercise-induced pulmonary hemorrhage. Sweeney CR. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):93–104 (43 ref.)
[Papillomatosis of cattle and its relationship to equine sarcoid] Müller H. **Tierarztl Prax** 1991 Feb;19(1):39–43 (38 ref.) (Eng. Abstr.) **(Ger)**
[Immunopathogenesis of Borna disease] Stitz L, et al. **Tierarztl Prax** 1991 Jun;19(3):267–70 (23 ref.) (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Rhodococcus equi: an animal and human pathogen. Prescott JF. **Clin Microbiol Rev** 1991 Jan;4(1):20–34 (199 ref.)
Diagnostic procedures for isolation and characterization of Clostridium difficile associated with enterocolitis in foals. Jones RL. **J Vet Diagn Invest** 1989 Jan;1(1):84–6 (26 ref.)
Bacterial pneumonia. Traub-Dargatz JL. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):53–61 (33 ref.)
[Equine monocytic ehrlichiosis (EME), a review] van der Kolk JH, et al. **Tijdschr Diergeneeskd** 1991 Jul 15; 116(14):721–7 (48 ref.) (Eng. Abstr.) **(Dut)**

PHYSIOPATHOLOGY

A review of the pathophysiology of exercise-induced pulmonary haemorrhage in the equine athlete. Donaldson LL. **Vet Res Commun** 1991;15(3):211–26 (91 ref.)
[Spavin in horses] Barneveld A. **Tijdschr Diergeneeskd** 1990 Dec 15;115(24):1162–7 (0 ref.) (Eng. Abstr.) **(Dut)**

PREVENTION & CONTROL

Factors involved in the balancing of equine hooves. Balch O, et al. **J Am Vet Med Assoc** 1991 Jun 1;198(11):1980–9 (48 ref.)

SURGERY

Sir Frederick Hobday Memorial Lecture. All wind and water: some progress in the study of equine gut motility. Gerring EL. **Equine Vet J** 1991 Mar;23(2):81–5 (18 ref.)
General anesthesia for horses with specific problems. Hodgson DS, et al. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):625–50 (61 ref.)
Application of lasers in equine upper respiratory surgery. Tate LP. **Vet Clin North Am Equine Pract** 1991 Apr; 7(1):165–95 (35 ref.)

HORSES

Elective termination of pregnancy in mares. Paccamonti DL. **J Am Vet Med Assoc** 1991 Feb 15;198(4):683–9 (45 ref.)

ANATOMY & HISTOLOGY

Factors involved in the balancing of equine hooves. Balch O, et al. **J Am Vet Med Assoc** 1991 Jun 1;198(11):1980–9 (48 ref.)

IMMUNOLOGY

[Differentiation and transplantation antigens on the surface of mononuclear cells of cattle, horses and dogs] Schuberth HJ, et al. **Tierarztl Prax** 1991 Apr;19(2):119–22 (13 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Chloramphenicol 3. Clinical pharmacology of systemic use in the horse. Page SW. **Aust Vet J** 1991 Jan;68(1):5–8 (43 ref.)

PHYSIOLOGY

Intravenous anesthesia. Benson GJ, et al. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):513–28 (36 ref.)
Use of halothane and isoflurane in the horse. Brunson DB. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):529–41 (34 ref.)
Supportive therapy in the anesthetized horse. Daunt DA. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):557–74 (41 ref.)
Equipment for inhalation anesthesia. Eicker SW, et al. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):543–55 (10 ref.)
Chemical restraint and analgesia in the horse. Geiser DR. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):495–512 (72 ref.)
Neuromuscular blocking agents in equine anesthesia. Hildebrand S. **Vet Clin North Am Equine Pract** 1990 Dec; 6(3):587–606 (32 ref.)
Regional anesthesia. LeBlanc PH. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):693–704 (35 ref.)
Monitoring equine anesthesia. Riebold TW. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):607–24 (30 ref.)
Clinical use of positive-pressure ventilation in the horse. Shawley RV, et al. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):575–85 (16 ref.)
General clinical considerations for anesthesia of the horse. Thurmon JC. **Vet Clin North Am Equine Pract** 1990 Dec; 6(3):485–94 (15 ref.)
Management of anesthesia in the foal. Tranquilli WJ, et al. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):651–63 (33 ref.)

PSYCHOLOGY

Animal behavior and animal welfare. Houpt KA. **J Am Vet Med Assoc** 1991 Apr 15;198(8):1355–60 (28 ref.)

HOSPICES

ECONOMICS

Economics of hospice care. Carney K, et al. **Oncol Nurs Forum** 1991 May-Jun;18(4):761–8 (75 ref.)

ORGANIZATION & ADMINISTRATION

Cure and care: interaction between cancer centers and palliative care units. MacDonald N. **Recent Results Cancer Res** 1991;121:399–407 (12 ref.)

HOSPITAL-ADDICTION SYNDROME see **MUNCHAUSEN SYNDROME**

HOSPITAL ADMINISTRATION

see related
PROFESSIONAL STAFF COMMITTEES

Managing hospital-physician relations: a strategy scorecard. Smith HL, et al. **Health Care Manage Rev** 1990 Fall; 15(4):23–33 (66 ref.)
Assessing the risk of occupational acquisition of the human immunodeficiency virus: implications for hospital policy. Orient JM. **South Med J** 1990 Oct;83(10):1121–7 (45 ref.)

STANDARDS

St Vincent's Hospital: a case study. Quality improvement programme in the Division of Corporate Services. Westbrook JI, et al. **Aust Clin Rev** 1991;11(1–2):51–5 (6 ref.)

Measuring technical efficiency in health care organizations. Rosko MD. **J Med Syst** 1990 Oct;14(5):307–22 (24 ref.)
Quality improvement process: the foundation for excellence in health care. Sahney VK, et al. **J Soc Health Syst** 1989 May;1(1):17–29 (9 ref.)

HOSPITAL ADMISSION TESTS see **DIAGNOSTIC TESTS, ROUTINE**

HOSPITAL ADMISSIONS OFFICE see **ADMITTING DEPARTMENT, HOSPITAL**

HOSPITAL ADMITTING DEPARTMENT see **ADMITTING DEPARTMENT, HOSPITAL**

HOSPITAL ANESTHESIA DEPARTMENT see **ANESTHESIA DEPARTMENT, HOSPITAL**

HOSPITAL ANESTHESIA-RESUSCITATION DEPARTMENT see **ANESTHESIA DEPARTMENT, HOSPITAL**

HOSPITAL CLOSURE see **HEALTH FACILITY CLOSURE**

HOSPITAL DEPARTMENTS

[Health care units for adolescents] Casas Rivero J, et al. **An Esp Pediatr** 1990 Jul;33(1):61–3 (26 ref.) **(Spa)**

ORGANIZATION & ADMINISTRATION

Lessons from industry: revising organizational structure to improve health care quality assurance. Eskildson L, et al. **QRB Qual Rev Bull** 1991 Feb;17(2):38–41 (16 ref.)

STANDARDS

Quality assurance of pre-operative assessment—a review of quality assurance activities related to pre-operative assessment in nine hospitals in The Netherlands. Klazinga NS, et al. **Qual Assur Health Care** 1989;1(1):45–53 (37 ref.)

HOSPITAL ECONOMICS see **ECONOMICS, HOSPITAL**

HOSPITAL EMERGENCY SERVICE see **EMERGENCY SERVICE, HOSPITAL**

HOSPITAL EQUIPMENT AND SUPPLIES see **EQUIPMENT AND SUPPLIES, HOSPITAL**

HOSPITAL INCIDENT REPORTING see **RISK MANAGEMENT**

HOSPITAL INFECTIONS see **CROSS INFECTION**

HOSPITAL INFORMATION SYSTEMS

Open systems architecture. The multivendor hospital information system. Aller RD. **Clin Lab Med** 1991 Mar; 11(1):221–5 (12 ref.)
Health care information systems. Patient-centered integration is the key. Korpman RA. **Clin Lab Med** 1991 Mar; 11(1):203–20 (30 ref.)
The hospital-based cancer registry. Young JL. **IARC Sci Publ** 1991;(95):177–84 (0 ref.)

UTILIZATION

Hospital information systems and quality assurance. Selbmann HK, et al. **Qual Assur Health Care** 1990; 2(3–4):335–44 (12 ref.)

HOSPITAL LABORATORIES see **LABORATORIES, HOSPITAL**

HOSPITAL MEDICAL STAFF see **MEDICAL STAFF, HOSPITAL**

HOSPITAL NUCLEAR MEDICINE DEPARTMENT see **NUCLEAR MEDICINE DEPARTMENT, HOSPITAL**

HOSPITAL NURSING SERVICE see **NURSING SERVICE, HOSPITAL**

HOSPITAL NURSING STAFF see **NURSING STAFF, HOSPITAL**

HOSPITAL OBSTETRICS AND GYNECOLOGY DEPARTMENT see **OBSTETRICS AND GYNECOLOGY DEPARTMENT, HOSPITAL**

HOSPITAL ORGANIZATION AND ADMINISTRATION see **HOSPITAL ADMINISTRATION**

HOSPITAL OUTPATIENT CLINICS see **OUTPATIENT CLINICS, HOSPITAL**

HOSPITAL PERSONNEL see **PERSONNEL, HOSPITAL**

HOSPITAL PHARMACY SERVICE see **PHARMACY SERVICE, HOSPITAL**

HOSPITAL RADIOLOGY DEPARTMENT see **RADIOLOGY DEPARTMENT, HOSPITAL**

HOSPITAL REFERRAL see **REFERRAL AND CONSULTATION**

HOSPITAL SOCIAL WORK DEPARTMENT see **SOCIAL WORK DEPARTMENT, HOSPITAL**

HOSPITALIZATION

see related
CHILD, HOSPITALIZED

Rest in hospital and twin pregnancy [comment] Hall MH. **Br J Obstet Gynaecol** 1990 Oct;97(10):869–71 (21 ref.)
Comment on: Br J Obstet Gynaecol 1990 Oct;97(10):872–7.
Comment on: Br J Obstet Gynaecol 1990 Oct;97(10):878–82.
New uses of countertransference for the inpatient treatment of borderline personality disorder. Rosenbluth M. **Can J Psychiatry** 1991 May;36(4):280–4 (31 ref.)
Psychological reaction to hospitalization and illness in the emergency department. Heiskell LE, et al. **Emerg Med Clin North Am** 1991 Feb;9(1):207–18 (45 ref.)
Diagnosing and treating depression in the hospitalized elderly. Stewart JT. **Geriatrics** 1991 Jan;46(1):64–6, 71–2 (19 ref.)
An analysis of methodology in follow-up studies of adult inpatient psychiatric treatment. Pfeiffer SI. **Hosp Community Psychiatry** 1990 Dec;41(12):1315–21 (104 ref.)
Taking care of culturally different and non-English speaking patients. Thompson WL, et al. **Int J Psychiatry Med** 1990; 20(3):235–45 (54 ref.)
Inpatient psychiatric treatment of children and adolescents: a review of outcome studies. Pfeiffer SI, et al. **J Am Acad Child Adolesc Psychiatry** 1990 Nov; 29(6):847–53 (52 ref.)
The natural history of functional morbidity in hospitalized older patients. Hirsch CH, et al. **J Am Geriatr Soc** 1990 Dec;38(12):1296–303 (15 ref.)
Depression in the general hospital. Neese JB. **Nurs Clin North Am** 1991 Sep;26(3):613–22 (25 ref.)
Difficult patients in extended psychiatric hospitalization: a research perspective on the patient, staff and team. Colson DB. **Psychiatry** 1990 Nov;53(4):369–82 (25 ref.)
Predicting and preventing hospital and clinic suicides. Litman RE. **Suicide Life Threat Behav** 1991 Spring;21(1):56–73 (23 ref.)
[Violent behavior among hospitalized psychiatric patients. 1. Occurrence and psychopathology] Benjaminsen S. **Ugeskr Laeger** 1991 Aug 5;153(32):2217–20 (30 ref.) (Eng. Abstr.) **(Dan)**
[Violent behavior among hospitalized psychiatric patients. 2. The significance of the functioning of the department and the reactions of the staff] Benjaminsen S. **Ugeskr Laeger** 1991 Aug 5;153(32):2221–5 (30 ref.) (Eng. Abstr.) **(Dan)**
[Diagnosis and treatment of borderline disorders within the scope of inpatient psychiatric care] Lohmer M. **Psychiatr Prax** 1990 Sep;17(5):172–9 (26 ref.) (Eng. Abstr.) **(Ger)**
[Suicide during inpatient psychiatric treatment] Busch H, et al. **Versicherungsmedizin** 1991 Feb 1;43(1):13–8 (42 ref.) (Eng. Abstr.) **(Ger)**
[Late potentials in patients during the hospitalization period following acute myocardial infarction] Sanjuán Máñez R, et al. **Rev Esp Cardiol** 1990 Aug-Sep;43(7):444–9 (23 ref.) (Eng. Abstr.) **(Spa)**
[Integral treatment of the hospitalized patient: the right to spiritual care] Monge MA. **Rev Med Univ Navarra** 1989 Oct-Dec;33(4):233–8 (31 ref.) **(Spa)**

ECONOMICS

Cost-effectiveness studies in the treatment of schizophrenia: a review. Goldberg D. **Soc Psychiatry Psychiatr Epidemiol** 1991 May;26(3):139–42 (23 ref.)

STATISTICS & NUMERICAL DATA

The elderly in acute care: a literature review. Alexander T. **Dimens Health Serv** 1990 Jun-Jul;67(5):27–33 (86 ref.)
Social support and social networks: their relationship to the successful and unsuccessful survival of elderly people in the community. An analysis of concepts and a review of the evidence. Bowling A. **Fam Pract** 1991 Mar;8(1):68–83 (141 ref.)

TRENDS

Community versus hospital care: the crisis in psychiatric provision. Prior L. **Soc Sci Med** 1991;32(4):483–9 (46 ref.)

HOSPITALIZED CHILD see **CHILD, HOSPITALIZED**

HOSPITALS

Hospital ethics committees. Tealdi JC, et al. **Bull Pan Am Health Organ** 1990;24(4):410–8 (32 ref.)
An audit of road traffic accident victims requiring admission to hospital. Redmond P, et al. **Ir Med J** 1990 Dec; 83(4):133–6 (10 ref.)
Ethics committees in hospitals: alternative structures and responsibilities. Robertson JA. **Issues Law Med** 1991 Summer;7(1):83–91 (20 ref.)
Drug-mineral interactions: a new responsibility for the hospital dietitian. Murray JJ, et al. **J Am Diet Assoc** 1991 Jan;91(1):66–70, 73 (36 ref.)
Developing hospital identity manuals: a reference tool for illustrators. Schaffer JA, et al. **J Biocommun** 1990; 17(3):20–5 (21 ref.)
[Partnership networks and social organizations] Defert D. **Bull Acad Natl Med** 1990 Nov;174(8):1187–96; discussion 1196–7 (11 ref.) (Eng. Abstr.) **(Fre)**
[Management of waste disposal in medical institutions] Horváth A. **Orv Hetil** 1991 Apr 30;132(17):919–24 (8 ref.) (Eng. Abstr.) **(Hun)**
[Surveillance of adverse reactions of drugs and monitoring of drug prescriptions routine in hospital activities] Maistrello I, et al. **Recenti Prog Med** 1991 Apr; 82(4):197–201 (16 ref.) (Eng. Abstr.) **(Ita)**
[The hospital as an enterprise] Asenjo Sebastián MA. **Med Clin (Barc)** 1991 May 25;96(20):780–3 (40 ref.) **(Spa)**

HISTORY

Hospital infection: the first 2500 years. Selwyn S. **J Hosp Infect** 1991 Jun;18 Suppl A:5–64 (206 ref.)

LEGISLATION & JURISPRUDENCE

Expanded liability of hospitals for the negligence of fatigued residents. McNoble DJ. **J Leg Med** 1990 Dec;11(4):427–49 (77 ref.)

STANDARDS

Quality and health care: future directions for health care quality management. Ruscoe WJ. **Aust Clin Rev** 1991; 11(1–2):28–33 (4 ref.)
Assessing information for consumers on the quality of medical care. Sisk JE, et al. **Inquiry** 1990 Fall;27(3):263–72 (34 ref.)
Using mortality data for profiling hospital quality of care and targeting substandard care. Hannan EL. **J Soc Health Syst** 1989 May;1(1):31–48 (17 ref.)
Patient evaluations of hospital care. A review of the literature. Rubin HR. **Med Care** 1990 Sep;28(9 Suppl):S3–9 (56 ref.)
[Hygiene barriers in the hospital—psychological aspects] Bergler R. **Zentralbl Hyg Umweltmed** 1991 Mar; 191(2–3):117–58 (11 ref.) (Eng. Abstr.) **(Ger)**
[Hygiene barriers in the hospital—infectious aspects] Geiss HK. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):159–70 (10 ref.) (Eng. Abstr.) **(Ger)**
[Hygiene barriers in the hospital—instrumentation aspects] Sonntag HG. **Zentralbl Hyg Umweltmed** 1991 Mar; 191(2–3):171–81 (3 ref.) (Eng. Abstr.) **(Ger)**

HOSPITALS, CANCER see **CANCER CARE FACILITIES**

HOSPITALS, CITY, NON-PUBLIC OWNED see **HOSPITALS, URBAN**

HOSPITALS, COMMUNITY

ORGANIZATION & ADMINISTRATION

Establishing a neonatal resuscitation team in community hospitals. Bailey C, et al. **J Perinatol** 1990 Sep; 10(3):294–300 (18 ref.)
Role of the community hospital in cancer research. Cohen GI, et al. **Md Med J** 1990 Oct;39(10):953–7 (18 ref.)

HOSPITALS, GENERAL

Styles of liaison psychiatry: discussion paper. White A. **J R Soc Med** 1990 Aug;83(8):506–8 (30 ref.)
Depression in the general hospital. Neese JB. **Nurs Clin North Am** 1991 Sep;26(3):613–22 (25 ref.)

UTILIZATION

Waiting for placement: an exploratory analysis of determinants of delayed discharges of elderly hospital patients. Falcone D, et al. **Health Serv Res** 1991 Aug; 26(3):339–74 (47 ref.)

HOSPITALS, METROPOLITAN see **HOSPITALS, URBAN**

HOSPITALS, PRIVATE, FOR-PROFIT see **HOSPITALS, PROPRIETARY**

HOSPITALS, PRIVATE, INVESTOR-OWNED see **HOSPITALS, PROPRIETARY**

HOSPITALS, PROPRIETARY

STANDARDS

Applications of industrial quality improvement in health care. Makens PK, et al. **J Occup Med** 1990 Dec;32(12):1177–83 (13 ref.)

HOSPITALS, PSYCHIATRIC

Acute lead poisoning in nursing home and psychiatric patients from the ingestion of lead-based ceramic glazes. Vance MV, et al. **Arch Intern Med** 1990 Oct; 150(10):2085-92 (36 ref.)

ORGANIZATION & ADMINISTRATION

[Organization of psychiatric services for adolescents (review of the literature)] Litvak VIa, et al. **Zh Nevropatol Psikhiatr** 1990;90(10):121-4 (58 ref.) **(Rus)**

STANDARDS

A national study of psychiatric hospital care. Dorwart RA, et al. **Am J Psychiatry** 1991 Feb;148(2):204-10 (37 ref.)

STATISTICS & NUMERICAL DATA

Violence by psychiatric inpatients: a review. Davis S. **Hosp Community Psychiatry** 1991 Jun;42(6):585-90 (68 ref.)

HOSPITALS, RURAL

UTILIZATION

Bypassing rural hospitals for obstetrics care [see comments] Bronstein JM, et al. **J Health Polit Policy Law** 1991 Spring; 16(1):87-118 (69 ref.) Comment in: J Health Polit Policy Law 1991 Spring;16(1):119-20.

HOSPITALS, SPECIAL

Is it time for a comprehensive AIDS medical center? Emanuel EJ, et al. **Am J Med** 1991 Jul;91(1):74-9 (36 ref.)

HOSPITALS, UNIVERSITY

Use of albumin in a university hospital: the value of targeted physician intervention. Stumpf JL, et al. **DICP** 1991 Mar; 25(3):239-43 (17 ref.)

STANDARDS

Use of albumin in a university hospital: the value of targeted physician intervention. Stumpf JL, et al. **DICP** 1991 Mar; 25(3):239-43 (17 ref.)

HOSPITALS, URBAN

Inner-city trauma centers. Financial burdens or community saviors? Thal ER, et al. **Surg Clin North Am** 1991 Apr; 71(2):209-19 (18 ref.)

HOST-PARASITE RELATIONS

T-cell reactivity to purified lipophosphoglycan from Leishmania major: a model for analysis of the cellular immune response to microbial carbohydrates. Moll H, et al. **Behring Inst Mitt** 1991 Feb;(88):161-9 (54 ref.)

Plasmodium falciparum carbohydrate metabolism: a connection between host cell and parasite. Roth E Jr. **Blood Cells** 1990;16(2-3):453-60; discussion 461-6 (30 ref.)

Molecular genetics of antigenic variation. Borst P. **Immunol Today** 1991 Mar;12(3):A29-33 (46 ref.)

Strategies of obligate intracellular parasites for evading host defences. Hall BF, et al. **Immunol Today** 1991 Mar; 12(3):A22-7 (86 ref.)

Co-evolution of parasites and adaptive immune responses. Mitchell GF. **Immunol Today** 1991 Mar;12(3):A2-5 (18 ref.)

Heat shock proteins in host-parasite interactions. Polla BS. **Immunol Today** 1991 Mar;12(3):A38-41 (40 ref.)

Helminths, immunology and equations. Schweitzer N, et al. **Immunol Today** 1991 Mar;12(3):A76-81 (32 ref.)

The acute phase protein response during parasitic infection. Stadnyk A, et al. **Immunol Today** 1991 Mar;12(3):A7-12 (57 ref.)

Parasites, desiderata lists and the paradox of the organism. Dawkins R. **Parasitology** 1990;100 Suppl:S63-73 (43 ref.)

Parasite-host coevolution. May RM, et al. **Parasitology** 1990; 100 Suppl:S89-101 (50 ref.)

Role of regulatory peptides in parasitic platyhelminths and their vertebrate hosts: possible novel factors in host-parasite interactions. Shaw C, et al. **Parasitology** 1991; 102 Suppl:S93-105 (63 ref.)

IMMUNOLOGY

Mosquito host influences on development of filariae. Townson H, et al. **Ann Trop Med Parasitol** 1991 Feb; 85(1):149-63 (98 ref.)

Immunological aspects of the host-parasite relationship. Virella G. **Immunol Ser** 1990;50:239-57 (9 ref.)

PHYSIOLOGY

[Soluble fibronectin: its biologic functions and role in the parasite-host system] Lyzlova LV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Sep;(9):112-20 (33 ref.) **(Rus)**

HOST VS GRAFT REACTION

PHYSIOLOGY

[Immunologic monitoring of rejection of allogeneic lung transplant] Stikhanovskaia LD. **Vestn Akad Med Nauk SSSR** 1990;(8):54-60 (65 ref.) **(Rus)**

HOUSE CALLS

Psychiatric night calls. Holmes J. **Practitioner** 1990 Aug; 234(1493):772-5 (4 ref.)

Bleeding in pregnancy. McGarry J. **Practitioner** 1990 Aug; 234(1493):768-70 (5 ref.)

The breathless child. Marcovitch H. **Practitioner** 1990 Aug; 234(1493):764-7 (0 ref.)

The acute abdomen. Partridge J. **Practitioner** 1990 Aug; 234(1493):776-81 (0 ref.)

Collapse--on the spot management. Westcott R. **Practitioner** 1990 Aug;234(1493):782-8 (0 ref.)

HOUSE STAFF see **INTERNSHIP AND RESIDENCY**

HOUSEFLIES

GENETICS

Genetic variability of a satellite sequence in the dipteran Musca domestica. Blanchetot A. **Experientia Suppl** 1991; 58:106-12 (9 ref.)

HOUSEHOLD ARTICLES

Association of rug shampooing and Kawasaki disease. Daniels SR, et al. **J Pediatr** 1991 Mar;118(3):485-8 (12 ref.)

HOUSEHOLD EQUIPMENT see **HOUSEHOLD ARTICLES**

HOUSEHOLD PRODUCTS

ADVERSE EFFECTS

Association of rug shampooing and Kawasaki disease. Daniels SR, et al. **J Pediatr** 1991 Mar;118(3):485-8 (12 ref.)

Exposure assessment of consumer products: human body weights and total body surface areas to use, and sources of data for specific products. Hakkinen PJ, et al. **Vet Hum Toxicol** 1991 Feb;33(1):61-5 (25 ref.)

POISONING

[Acute poisoning with household chemicals in childhood and their ambulatory medical treatment] Fanghänel K, et al. **Kinderarztl Prax** 1990 Sep;58(9):455-60 (11 ref.) (Eng. Abstr.) **(Ger)**

HOUSEHOLD SUPPLIES see **HOUSEHOLD PRODUCTS**

HOUSEKEEPING

Environmental controls and immunotherapy in the treatment of chronic asthma. Adinoff AD. **J Asthma** 1990; 27(5):277-89 (53 ref.)

HOUSING

Origins of public health collapse in New York City: the dynamics of planned shrinkage, contagious urban decay and social disintegration. Wallace R, et al. **Bull N Y Acad Med** 1990 Sep-Oct;66(5):391-434 (84 ref.)

Seasonal indoor radon variations related to precipitation. Mose DG, et al. **Environ Mol Mutagen** 1991;17(4):223-30 (40 ref.)

Bioaerosols: prevalence and health effects in the indoor environment. Burge H. **J Allergy Clin Immunol** 1990 Nov; 86(5):687-701 (48 ref.)

Radon and health [see comments] Bowie C, et al. **Lancet** 1991 Feb 16;337(8738):409-13 (42 ref.) Comment in: Lancet 1991 Mar 23;337(8743):732.

Household magnetic fields and childhood leukemia: a critical analysis. Michaelson SM. **Pediatrics** 1991 Sep;88(3):630-5 (39 ref.)

Cancer risks from exposure to radon progeny in mines and dwellings. Axelson O. **Recent Results Cancer Res** 1990; 120:146-65 (91 ref.)

Allergenic and toxigenic micro-organisms in houses. Flannigan B, et al. **Soc Appl Bacteriol Symp Ser** 1991; 20:61S-73S (79 ref.)

Indoor air pollution in developing countries. Chen BH, et al. **World Health Stat Q** 1990;43(3):127-38 (53 ref.)

[Health problems of enclosed environments at work and in the home] Hrnjak M. **Vojnosanit Pregl** 1990 Jul-Aug; 47(4):309-13 (37 ref.) **(Scr)**

STANDARDS

Health effects of housing status on children: a house is not a home. Agustin MS. **Bull N Y Acad Med** 1990 Sep-Oct; 66(5):500-14 (41 ref.)

[Syndrome of "unhealthy" accommodations as a hygienic problem (review of foreign literature)] Veselovskaia KA, et al. **Gig Tr Prof Zabol** 1991;(5):33-5 (24 ref.) (Eng. Abstr.) **(Rus)**

HOUSING, ANIMAL

Ventilation of sheep and goat barns. Collins ER Jr. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):635-54 (9 ref.)

Environmental factors affecting the severity of pneumonia in pigs. Done SH. **Vet Rec** 1991 Jun 22;128(25):582-6 (59 ref.)

HPLC see **CHROMATOGRAPHY, HIGH PRESSURE LIQUID**

HPV DNA PROBES see **DNA PROBES, HPV**

5-HT see **SEROTONIN**

HTLV INFECTIONS

DIAGNOSIS

Laboratory diagnosis of retroviral infections. Roberts CR. **Dermatol Clin** 1991 Jul;9(3):453-64 (78 ref.)

EPIDEMIOLOGY

Clinical significance of HIV-2 infection in West Africa. Kanki PJ. **AIDS Clin Rev** 1989;:95-108 (40 ref.)

Human T-cell leukemia/lymphoma viruses. Life cycle, pathogenicity, epidemiology, and diagnosis. Hjelle B. **Arch Pathol Lab Med** 1991 May;115(5):440-50 (160 ref.)

MICROBIOLOGY

Human retroviruses: a decade of discovery and link with human disease. Gallo RC. **J Infect Dis** 1991 Aug; 164(2):235-43 (20 ref.)

HTLV VIRUSES

Viruses and cancer of the immune system. Srinivasan A, et al. **Curr Opin Immunol** 1989-90;2(5):714-8 (23 ref.)

GENETICS

Human T-lymphotropic viruses. Wong-Staal F. **Immunol Ser** 1989;43:499-521 (56 ref.)

PHYSIOLOGY

Human T-cell leukemia/lymphoma viruses. Life cycle, pathogenicity, epidemiology, and diagnosis. Hjelle B. **Arch Pathol Lab Med** 1991 May;115(5):440-50 (160 ref.)

Human retroviruses: a decade of discovery and link with human disease. Gallo RC. **J Infect Dis** 1991 Aug; 164(2):235-43 (20 ref.)

HTLV-I

The first human retroviruses: are there others? Gallo RC, et al. **Microbiol Sci** 1985;2(4):97-8, 101-4 (66 ref.)

The epidemiology of the human T-cell lymphotrophic virus type I and type II: etiologic role in human disease. Manns A, et al. **Transfusion** 1991 Jan;31(1):67-75 (84 ref.)

GENETICS

Functional dissection of a viral transactivator. Dingwall C. **Bioessays** 1991 Feb;13(2):85-6 (17 ref.)

Transforming properties of the HTLV-I tax gene. Weiss RA, et al. **Cancer Cells** 1990 Aug-Sep;2(8-9):281-3 (22 ref.)

Molecular biology of the type I human T-cell leukemia virus (HTLV-I) and adult T-cell leukemia. Smith MR, et al. **J Clin Invest** 1991 Mar;87(3):761-6 (45 ref.)

Human T-cell lymphotropic virus type I sequences detected by nested polymerase chain reactions are not associated with multiple sclerosis [see comments] Prayoonwiwat N, et al. **Mayo Clin Proc** 1991 Jul;66(7):665-80 (66 ref.) Comment in: Mayo Clin Proc 1991 Jul;66(7):752-5.

[Oncogenic transformation by the tax gene of HTLV-I] Hatanaka M. **Nippon Rinsho** 1990 Oct;48(10):2431-41 (25 ref.) **(Jpn)**

[Detection of HTLV-I gene expression by using the polymerase chain reaction] Kinoshita T, et al. **Nippon Rinsho** 1990 Nov;48(11):2703-9 (20 ref.) **(Jpn)**

ISOLATION & PURIFICATION

[Human T-cell lymphotropic virus Type I (HTLV-I) as a cause of progressive myelopathy] Portegies P, et al. **Ned Tijdschr Geneeskd** 1991 Jul 20;135(29):1302-6 (35 ref.) **(Dut)**

METABOLISM

Molecular and cellular events at the onset of the lymphoproliferative process induced by HTLV-I (human T-cell leukemia virus, type I). Gazzolo L, et al. **Bull Cancer (Paris)** 1991;78(3):291-8 (27 ref.)

PHYSIOLOGY

Pathology and immunology of adult T-cell leukemia/lymphoma. Davey FR, et al. **Curr Opin Oncol** 1991 Feb;3(1):13-20 (48 ref.)

Human T lymphotropic virus type I neurotropism. Román

GC, et al. **Prog Med Virol** 1990;37:190–210 (80 ref.)
Tropical neuromyelopathies and retroviruses: a review. Bucher B, et al. **Rev Infect Dis** 1990 Sep–Oct;12(5):890–9 (93 ref.)

HTLV–I ANTIBODIES

ANALYSIS

[HTLV–I transmission by blood transfusion] Inaba S. **Rinsho Byori** 1991 Mar;Suppl 88:171–5 (27 ref.) **(Jpn)**

HTLV–I–ASSOCIATED MYELOPATHY see **PARAPARESIS, TROPICAL SPASTIC**

HTLV–I–ASSOCIATED T–CELL LEUKEMIA–LYMPHOMA see **LEUKEMIA–LYMPHOMA, T–CELL, ACUTE, HTLV–I–ASSOCIATED**

HTLV–I INFECTIONS

Non–AIDS retroviral infections in humans. McFarlin DE, et al. **Annu Rev Med** 1991;42:97–105 (44 ref.)
HTLV–I infection in human disease. Spalton DJ, et al. **Br J Ophthalmol** 1991 Mar;75(3):174–5 (27 ref.)

EPIDEMIOLOGY

The epidemiology of HTLV–I infection. Mueller N. **Cancer Causes Control** 1991 Jan;2(1):37–52 (185 ref.)
The epidemiology of the human T–cell lymphotrophic virus type I and type II: etiologic role in human disease. Manns A, et al. **Transfusion** 1991 Jan;31(1):67–75 (84 ref.)

MICROBIOLOGY

The clinical significance of HTLV–I and HTLV–II infection in the AIDS epidemic. Pierik LT, et al. **AIDS Clin Rev** 1991;:39–57 (97 ref.)

PHYSIOPATHOLOGY

HTLV–I neurotropism. In vitro studies. Macchi B, et al. **Acta Neurol (Napoli)** 1991 Apr;13(2):179–83 (15 ref.)

TRANSMISSION

[HTLV–I transmission by blood transfusion] Inaba S. **Rinsho Byori** 1991 Mar;Suppl 88:171–5 (27 ref.) **(Jpn)**

HTLV–I REX GENES see **GENES, PX**

HTLV–I TAX GENES see **GENES, PX**

HTLV–I TAX PROTEIN see **GENE PRODUCTS, TAX**

HTLV–I TRANS–ACTIVATOR PROTEIN see **GENE PRODUCTS, TAX**

HTLV–II

The first human retroviruses: are there others? Gallo RC, et al. **Microbiol Sci** 1985;2(4):97–8, 101–4 (66 ref.)
The epidemiology of the human T–cell lymphotrophic virus type I and type II: etiologic role in human disease. Manns A, et al. **Transfusion** 1991 Jan;31(1):67–75 (84 ref.)

HTLV–II INFECTIONS

Non–AIDS retroviral infections in humans. McFarlin DE, et al. **Annu Rev Med** 1991;42:97–105 (44 ref.)

EPIDEMIOLOGY

The epidemiology of the human T–cell lymphotrophic virus type I and type II: etiologic role in human disease. Manns A, et al. **Transfusion** 1991 Jan;31(1):67–75 (84 ref.)

MICROBIOLOGY

The clinical significance of HTLV–I and HTLV–II infection in the AIDS epidemic. Pierik LT, et al. **AIDS Clin Rev** 1991;:39–57 (97 ref.)

HTLV–II REX GENES see **GENES, PX**

HTLV–II TAX GENES see **GENES, PX**

HTLV–II TAX PROTEIN see **GENE PRODUCTS, TAX**

HTLV–II TRANS–ACTIVATOR PROTEIN see **GENE PRODUCTS, TAX**

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HTLV–III ANTIBODIES see **HIV ANTIBODIES**

HTLV–III ANTIGENS see **HIV ANTIGENS**

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HTLV–III GP120 see **HIV ENVELOPE PROTEIN GP120**

HTLV–III INFECTIONS see **HIV INFECTIONS**

HTLV–III–LAV ANTIBODIES see **HIV ANTIBODIES**

HTLV–III–LAV ANTIGENS see **HIV ANTIGENS**

HTLV–III–LAV INFECTIONS see **HIV INFECTIONS**

HTLV–III PROTEASE see **HIV PROTEASE**

HTLV–III RECEPTORS see **RECEPTORS, HIV**

HTLV–III SEROCONVERSION see **HIV SEROPOSITIVITY**

HTLV–III SERODIAGNOSIS see **AIDS SERODIAGNOSIS**

HTLV–III SEROLOGY see **AIDS SERODIAGNOSIS**

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HTLV–IV see **HIV–2**

5–HTP see **5–HYDROXYTRYPTOPHAN**

HUMAN CHORIONIC GONADOTROPIN, ALPHA SUBUNIT see **GLYCOPROTEIN HORMONES, ALPHA SUBUNIT**

HUMAN CHORIONIC GONADOTROPIN RECEPTORS see **RECEPTORS, LH**

HUMAN CLASS II ANTIGENS see **HLA–D ANTIGENS**

HUMAN DEVELOPMENT

Research on secular trends in auxology. Malina RM. **Anthropol Anz** 1990 Sep;48(3):209–27 (90 ref.)
A comparison of the works of Peplau and Orlando. Forchuk C. **Arch Psychiatr Nurs** 1991 Feb;5(1):38–45 (54 ref.)
Fluctuating asymmetry as a possible measure of developmental homeostasis in humans: a review. Livshits G, et al. **Hum Biol** 1991 Aug;63(4):441–66 (96 ref.)
Zygotes, souls, substances, and persons. Bole TJ 3d. **J Med Philos** 1990 Dec;15(6):637–52 (11 ref.)

HUMAN ENGINEERING

Ergonomic and human factors affecting anesthetic vigilance and monitoring performance in the operating room environment [see comments] Weinger MB, et al. **Anesthesiology** 1990 Nov;73(5):995–1021 (277 ref.)
Comment in: Anesthesiology 1991 Jun;74(6):1160–1.
Ergonomic aspects of the health and safety of VDT work in Japan: a review. Nishiyama K. **Ergonomics** 1990 Jun; 33(6):659–85 (105 ref.)
Response of the human body to impact dynamics and vibration. Smeathers JE, et al. **Proc Inst Mech Eng [H]** 1989;203(4):179–80 (11 ref.)
[Ergonomics and health risks for the dentists: overview] Micholt F. **Rev Belge Med Dent** 1990;45(2):17–33 (22 ref.) (Eng. Abstr.) **(Fre)**

HUMAN EXPERIMENTATION

Legal and ethical aspects of deliberate G–induced loss of consciousness experiments. Euretig JG. **Aviat Space Environ Med** 1991 Jul;62(7):628–31 (15 ref.)
Panel summary: from Zen riddle to the razor's edge. Hickman JR Jr. **Aviat Space Environ Med** 1991 Jul;62(7):632–7 (7 ref.)
Ethical aspects of human experimentation in health services research. Brett A, et al. **JAMA** 1991 Apr 10;265(14):1854–7 (18 ref.)
Biomedical experimentation on the mentally handicapped: ethical and legal dilemmas. Baudouin JL. **Med Law** 1990; 9(4):1052–61 (27 ref.)
The ethics of using scientific data obtained by immoral means. Rosner F, et al. **N Y State J Med** 1991 Feb;91(2):54–9 (34 ref.)

HUMAN FOAMY VIRUS see **SPUMAVIRINAE**

HUMAN GENOME see **GENOME, HUMAN**

HUMAN GENOME PROJECT

Foreword: the human genome initiative: genetics' lightning rod. Beckwith J. **Am J Law Med** 1991;17(1–2):1–13 (76 ref.)
Implications of the human genome project for clinical neurosurgery. Cantor CR. **Clin Neurosurg** 1991;37:173–8 (5 ref.)
European approach to the Human Gene Project. Ferguson–Smith MA. **FASEB J** 1991 Jan;5(1):61–5 (8 ref.)
Human genome efforts in Japan. Ikawa Y. **FASEB J** 1991 Jan;5(1):66–9 (4 ref.)
Current trends in mapping human genes. McKusick VA. **FASEB J** 1991 Jan;5(1):12–20 (20 ref.)
The Human Genome Project: a paradigm for information management in the life sciences. Pearson ML, et al. **FASEB J** 1991 Jan;5(1):35–9 (5 ref.)
Clone and genomic repositories at the American Type Culture Collection. Maglott DR, et al. **Genomics** 1990 Nov; 8(3):601–5 (14 ref.)
The human genome project. Prospects and implications for clinical medicine. Green ED, et al. **JAMA** 1991 Oct 9; 266(14):1966–75 (77 ref.)
[The k–locus of human immunoglobulin and its significance for other programs studying the human genome] Zachau HG. **Mol Biol (Mosk)** 1990 Nov–Dec;24(6):1474–83 (21 ref.) (Eng. Abstr.) **(Rus)**

HUMAN HERPESVIRUS–6 see **HERPESVIRUS–6, HUMAN**

HUMAN IMMUNODEFICIENCY VIRUS–ASSOCIATED NEPHROPATHY see **AIDS–ASSOCIATED NEPHROPATHY**

HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 see **HIV–1**

HUMAN IMMUNODEFICIENCY VIRUS TYPE 2 see **HIV–2**

HUMAN IMMUNODEFICIENCY VIRUSES see **HIV**

HUMAN B–LYMPHOTROPIC VIRUS see **HERPESVIRUS–6, HUMAN**

HUMAN T LYMPHOTROPIC VIRUS–ASSOCIATED LEUKEMIA–LYMPHOMA see **LEUKEMIA–LYMPHOMA, T–CELL, ACUTE, HTLV–I–ASSOCIATED**

HUMAN T–LYMPHOTROPIC VIRUS II see **HTLV–II**

HUMAN T–LYMPHOTROPIC VIRUS TYPE III see **HIV**

HUMAN T–LYMPHOTROPIC VIRUS TYPE IV see **HIV–2**

HUMAN PAPILLOMA VIRUS DNA PROBES see **DNA PROBES, HPV**

HUMAN–PET BONDING see **BONDING, HUMAN–PET**

HUMAN RIGHTS

Doctors and human rights. Forrest DM. **Med War** 1991 Apr–Jun;7(2):105–12 (19 ref.)
Human and health rights of Palestinians in the Occupied Territories. Essay review. Willis EA. **Med War** 1991 Apr–Jun;7(2):113–9 (1 ref.)

LEGISLATION & JURISPRUDENCE

Reproductive technology for procreation, experimentation, and profit. Protecting rights and setting limits. Garcia SA. **J Leg Med** 1990 Mar;11(1):1–57 (249 ref.)
The application of the European Convention of Human Rights to the field of psychiatry. Harding TW. **Med Law** 1990;9(4):1078–98 (25 ref.)

TRENDS

Resurgence of a new "clean living" movement in the United States. Engs RC. **J Sch Health** 1991 Apr;61(4):155–9 (53 ref.)

HUMAN T–CELL LEUKEMIA–LYMPHOMA see **LEUKEMIA–LYMPHOMA, T–CELL, ACUTE, HTLV–I–ASSOCIATED**

HUMAN T–CELL LEUKEMIA–LYMPHOMA VIRUSES see **HTLV VIRUSES**

HUMAN T–CELL LEUKEMIA VIRUS I see **HTLV–I**

HUMAN T–CELL LEUKEMIA VIRUS I ANTIBODIES see **HTLV–I ANTIBODIES**

HUMAN T–CELL LEUKEMIA VIRUS II see **HTLV–II**

HUMAN T–CELL LEUKEMIA VIRUS TYPE I TAX PROTEIN see **GENE PRODUCTS, TAX**

HUMAN T–CELL LEUKEMIA VIRUS TYPE III see **HIV**

HUMAN T–CELL LEUKEMIA VIRUSES see **HTLV VIRUSES**

HUMAN T–CELL LYMPHOTROPIC VIRUS TYPE III see **HIV**

HUMERAL FRACTURES

COMPLICATIONS

[Considerations concerning the treatment of pseudarthrosis of the humerus] Beguin JM, et al. **Acta Orthop Belg** 1991; 57(2):114–23 (34 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Birth fractures of long bones. Salonen IS. **Ann Chir Gynaecol** 1991;80(1):71–3 (13 ref.)

SURGERY

The treatment of nonunions and pseudarthroses of the humeral shaft. Rosen H. **Orthop Clin North Am** 1990 Oct; 21(4):725–42 (44 ref.)

THERAPY

Fracture-separation of the distal humeral epiphysis. de Jager LT, et al. **J Bone Joint Surg [Br]** 1991 Jan;73(1):143–6 (13 ref.)

HUMERAL FRACTURES, PROXIMAL see **SHOULDER FRACTURES**

HUMERUS

Primary chemotherapy and delayed surgery for malignant fibrous histiocytoma of bone in the extremity. Bacci G, et al. **Tumori** 1990 Dec 31;76(6):537–42 (25 ref.)

RADIOGRAPHY

Supracondylar process of the humerus: four cases. Casadei R, et al. **Chir Organi Mov** 1990 Jul–Sep;75(3):265–77 (55 ref.) **(Eng, Ita)**

Axillary shoulder with exaggerated rotation: the Hill–Sachs defect. Rafert JA, et al. **Radiol Technol** 1990 Sep–Oct; 62(1):18–21 (10 ref.)

SURGERY

[Arm lengthening in children. Report of 4 cases] Prevot J, et al. **Chirurgie** 1990;116(2):184–9 (14 ref.) (Eng. Abstr.) **(Fre)**

HUMIDITY

[Therapy of respiratory insufficiency. Humidification of inspired gases, physical therapy] Mauritz W, et al. **Klin Anasthesiol Intensivther** 1991;39:305–13; discussion 333–9 (24 ref.) **(Ger)**

[Humidification of inspired air in respiratory therapy of newborn infants] Hanssler L, et al. **Monatsschr Kinderheilkd** 1990 Oct;138(10):692–5 (30 ref.) (Eng. Abstr.) **(Ger)**

HUMOR see **WIT AND HUMOR**

HUNGER

Risks of hunger in the elderly. Roe DA. **J Environ Pathol Toxicol Oncol** 1990 Jul–Oct; 10(4–5):198–205 (47 ref.)

DRUG EFFECTS

Effects of intense sweeteners on hunger, food intake, and body weight: a review. Rolls BJ. **Am J Clin Nutr** 1991 Apr;53(4):872–8 (45 ref.)

HUNTINGTON CHOREA

DIAGNOSIS

Huntingtons disease. Lacour FA Jr. **Ala Med** 1990 Jul–Aug; 60(1–2):16, 21–5 (35 ref.)

GENETICS

Molecular approaches to hereditary diseases of the nervous system: Huntington's disease as a paradigm. Wexler NS, et al. **Annu Rev Neurosci** 1991;14:503–29 (110 ref.)

Very early onset Huntington's disease: genetic mechanism and risk to siblings. Clarke DJ, et al. **Clin Genet** 1990 Sep; 38(3):180–6 (34 ref.)

The search for the genetic defects in Huntington's disease and familial Alzheimer's disease. Gusella JF. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:75–83 (34 ref.)

Variable expression in the functional psychoses. A comparison with Huntington's disease. Ridley RM, et al. **Schizophr Res** 1990 May–Jun;3(3):201–10 (95 ref.)

Proposed genetic basis of Huntington's disease. Laird CD. **Trends Genet** 1990 Aug;6(8):242–7 (41 ref.)

[Huntington chorea. Anatomoclinical and genetic study of 17 cases] Savvopoulos S, et al. **Encephale** 1990 Jul–Aug; 16(4):251–9 (49 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Third Dorothy S. Russell memorial lecture. Huntington's disease: some recent neuropathological studies. Richardson EP Jr. **Neuropathol Appl Neurobiol** 1990 Dec;16(6):451–60 (21 ref.)

PHYSIOPATHOLOGY

Huntington's disease as a model for mood disorders. Clues from neuropathology and neurochemistry. Peyser CE, et al. **Mol Chem Neuropathol** 1990 Mar;12(2):99–119 (105 ref.)

Movement disorders—limb movement and the basal ganglia. Stelmach GE, et al. **Phys Ther** 1991 Jan;71(1):60–7 (64 ref.)

PSYCHOLOGY

The psychopathology of Huntington's disease. Folstein SE. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:181–91 (40 ref.)

RADIONUCLIDE IMAGING

The scintigraphic evaluation of Huntington's disease and other movement disorders using single photon emission computed tomography perfusion brain scans. Nagel JS, et al. **Semin Nucl Med** 1991 Jan;21(1):11–23 (70 ref.)

SURGERY

[Protective effect of intrastriatal grafts in an experimental model of Huntington's disease. Behavioral and morphological correlation] Levivier M, et al. **Neurochirurgie** 1991;37(3):148–59 (101 ref.) (Eng. Abstr.) **(Fre)**

HURRICANES see **NATURAL DISASTERS**

HUTCHINSON–GILFORD SYNDROME see **PROGERIA**

HY ANTIGEN see **H-Y ANTIGEN**

HYALIN SUBSTANCE

Hyaline ring granuloma: a distinct oral entity. Chou L, et al. **Oral Surg Oral Med Oral Pathol** 1990 Sep;70(3):318–24 (22 ref.)

HYALINE MEMBRANE DISEASE

DRUG THERAPY

[Effects of exogenous surfactants on mortality and main complications of hyaline membrane disease] Walti H, et al. **Pediatrie** 1990;45(10):657–63 (25 ref.) (Eng. Abstr.) **(Fre)**

HYALINOSIS, SEGMENTAL see **GLOMERULOSCLEROSIS, FOCAL**

HYALURONIC ACID

METABOLISM

Clinical significance of the immunometric measurements of hyaluronic acid. Cooper EH, et al. **Ann Clin Biochem** 1990 Sep;27 (Pt 5):444–51 (66 ref.)

A pathological role for damaged hyaluronan in synovitis. Henderson EB, et al. **Ann Rheum Dis** 1991 Mar; 50(3):196–200 (65 ref.)

Hyaluronan and its binding proteins, the hyaladherins. Toole BP. **Curr Opin Cell Biol** 1990 Oct;2(5):839–44 (27 ref.)

PHYSIOLOGY

Hyaluronate in rheumatology and orthopaedics: is there a role? Strachan RK, et al. **Ann Rheum Dis** 1990 Nov; 49(11):949–52 (80 ref.)

HYBRID CELLS

CYTOLOGY

Genetic analysis of mammalian cell differentiation. Gourdeau H, et al. **Annu Rev Cell Biol** 1990;6:69–94 (143 ref.)

PATHOLOGY

Tumor suppressor genes: studies with hybrid mouse cells. Harris H. **Immunol Ser** 1990;51:1–13 (40 ref.)

PHYSIOLOGY

Phosphoinositides and synaptic function in NG108–15 neuroblastoma x glioma hybrid cells. Higashida H, et al. **Comp Biochem Physiol [C]** 1991;98(1):129–37 (48 ref.)

HYBRIDOMA GROWTH FACTOR see **INTERLEUKIN-6**

HYBRIDOMAS

see related
ANTIBODIES, MONOCLONAL

IMMUNOLOGY

Hodgkin's disease revisited: Reed–Sternberg cells as natural hybridomas. Sinkovics JG. **Crit Rev Immunol** 1991; 11(1):33–63 (172 ref.)

Monoclonal antibodies, hybridoma technology and heterologous production systems. Hiatt AC. **Curr Opin Immunol** 1991 Apr;3(2):229–32 (19 ref.)

Human T–T cell hybridomas: development and applications. Fox FE, et al. **Hum Antibodies Hybridomas** 1990;1(1):3–9 (66 ref.)

Current state of the hybridoma technology. Pirofski L, et al. **J Clin Immunol** 1990 Nov;10(6 Suppl):5S–12S; discussion 12S–14S (50 ref.)

HYDATID CYST see **ECHINOCOCCOSIS**

HYDATID CYST, HEPATIC see **ECHINOCOCCOSIS, HEPATIC**

HYDATID CYST, PULMONARY see **ECHINOCOCCOSIS, PULMONARY**

HYDATIDIFORM MOLE

COMPLICATIONS

Partial hydatidiform mole with subsequent trophoblastic tumor; a case report. Vejerslev LO, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 Jun 5;40(1):73–7 (22 ref.)

EMBRYOLOGY

Hydatidiform moles and teratomas confirm the human identity of the preimplantation embryo. Suarez A. **J Med Philos** 1990 Dec;15(6):627–35 (15 ref.)

EPIDEMIOLOGY

[Gestational trophoblastic disease. Prevalence and epidemiologic features at the IMSS Torreón Medical Center] Walss Rodríguez RJ, et al. **Ginecol Obstet Mex** 1991 Apr;59:134–7 (10 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Pathology of trophoblast. Kurman RJ. **Monogr Pathol** 1991; (33):195–227 (50 ref.)

HYDATIDOSIS see **ECHINOCOCCOSIS**

HYDATIDOSIS, HEPATIC see **ECHINOCOCCOSIS, HEPATIC**

HYDATIDOSIS, PULMONARY see **ECHINOCOCCOSIS, PULMONARY**

HYDRALAZINE

THERAPEUTIC USE

The use of blood flow modifiers to improve the treatment response of solid tumors. Horsman MR, et al. **Radiother Oncol** 1991;20 Suppl 1:47–52 (33 ref.)

HYDRALLAZIN see **HYDRALAZINE**

HYDRAMNIOS see **POLYHYDRAMNIOS**

HYDRASES see **HYDRO-LYASES**

HYDRATED ALUMINA see **ALUMINUM HYDROXIDE**

HYDRAZINES

CHEMISTRY

Immobilization of glycoconjugates by their oligosaccharides: use of hydrazido-derivatized matrices. O'Shannessy DJ, et al. **Anal Biochem** 1990 Nov 15;191(1):1–8 (82 ref.)

HYDRAZONES

PHARMACOLOGY

New orally effective iron chelators. Animal studies. Hershko C, et al. **Ann N Y Acad Sci** 1990;612:351–60 (38 ref.)

HYDRO-LYASES

METABOLISM

Peptide amidation. Bradbury AF, et al. **Trends Biochem Sci** 1991 Mar;16(3):112–5 (45 ref.)

HYDROA VACCINIFORME

PATHOLOGY

Hydroa vacciniforme with unusually severe scar formation: diagnosis by repetitive UVA phototesting. Hann SK, et al. **J Am Acad Dermatol** 1991 Aug;25(2 Pt 2):401–3 (14 ref.)

[Bazin's hydroa vacciniforme. General review of 2 cases] Aubin F, et al. **Pediatrie** 1990;45(11):775–80 (20 ref.) (Eng. Abstr.) **(Fre)**

HYDROCARBONS

ADVERSE EFFECTS

Asphalt and risk of cancer in man. Chiazze L Jr, et al. **Br J Ind Med** 1991 Aug;48(8):538–42 (17 ref.)

[Combined effects of embryotoxic and teratogenic environmental chemical factors (review of the literature)] Litvinov NN, et al. **Gig Sanit** 1990 Nov;(11):80–2 (50 ref.) **(Rus)**

[Effect of atmospheric pollution on health of the population and immunologic reactivity (review of the literature)] Ustinenko AN, et al. **Gig Sanit** 1990 Aug;(8):11–5 (70 ref.) **(Rus)**

METABOLISM

Microbial degradation of hydrocarbons in the environment. Leahy JG, et al. **Microbiol Rev** 1990 Sep;54(3):305–15 (157 ref.)

PHARMACOLOGY

[Specificity of cytochrome P-450 forms in the rat liver after inhalation of multicomponent hydrocarbon mixture] Szutowski MM, et al. **Folia Med Cracov** 1990;31(3):165–74 (16 ref.) (Eng. Abstr.) **(Pol)**

TOXICITY

An introduction to the clinical toxicology of volatile substances. Flanagan RJ, et al. **Drug Saf** 1990 Sep–Oct; 5(5):359–83 (186 ref.)

Chronic nephrotoxicity of 2,2,4-trimethylpentane and other branched-chain hydrocarbons. Lock EA. **Toxicol Lett** 1990 Sep;53(1–2):75–80 (13 ref.)

HYDROCARBONS, CHLORINATED

Complex chlorinated hydrocarbons: occupational exposure in the sawmill industry. Kalliokoski P, et al. **IARC Sci Publ** 1990;(104):390–6 (29 ref.)

METABOLISM

Microbial degradation of chlorinated aromatic compounds. Sahasrabudhe SR, et al. **Microbiol Sci** 1987 Oct;4(10):300–3 (29 ref.)

PHARMACOKINETICS

Bioavailability of organochlorines in fish. Gobas FA, et al. **Comp Biochem Physiol [C]** 1991;100(1–2):17–20 (19 ref.)

TOXICITY

Risk extrapolation for chlorinated methanes as promoters vs initiators of multistage carcinogenesis. Bogen KT. **Fundam Appl Toxicol** 1990 Oct;15(3):536–57 (127 ref.)

[The toxicity of several polychlorinated hydrocarbons] Krowke R. **Schriftenr Ver Wasser Boden Lufthyg** 1990; 82:9–21 (24 ref.) **(Ger)**

HYDROCARBONS, FLUORINATED

Chemistry and developments of fluorinated carbohydrates. Tsuchiya T. **Adv Carbohydr Chem Biochem** 1990;48:91–277 (864 ref.)

CHEMISTRY

Aspects of the medicinal chemistry of fluoroorganic compounds. Part II. Resnati G. **Farmaco** 1990 Nov; 45(11):1137–67 (269 ref.)

PHARMACOLOGY

Aspects of the medicinal chemistry of fluoroorganic compounds. Part I. Resnati G. **Farmaco** 1990 Oct; 45(10):1043–66 (163 ref.)

HYDROCARBONS, HALOGENATED

ADVERSE EFFECTS

Occupational implications of the chlorofluorocarbon ban in Sweden. Olander L, et al. **Am J Ind Med** 1991;19(6):818–26 (34 ref.)

ANALYSIS

[Study methods for the detection of halogenated organic compounds in ground water] Ott O, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1990;82:37–46 (10 ref.) **(Ger)**

METABOLISM

The biodegradation of halogenated organic compounds. Neilson AH. **J Appl Bacteriol** 1990 Oct;69(4):445–70 (180 ref.)

Biodegradation of halogenated organic compounds. Chaudhry GR, et al. **Microbiol Rev** 1991 Mar;55(1):59–79 (191 ref.)

PHARMACOKINETICS

Biotransformation of halogenated compounds. Hardman DJ. **Crit Rev Biotechnol** 1991;11(1):1–40 (212 ref.)

TOXICITY

Potentiation of halomethane hepatotoxicity by chlordecone: a hypothesis for the mechanism. Mehendale HM. **Med Hypotheses** 1990 Dec;33(4):289–99 (70 ref.)

Halogenated hydrocarbons: past, present and near-future problems. Goldberg ED. **Sci Total Environ** 1991 Mar;100 Spec No:17–28 (19 ref.)

[Environmental health related evaluation of halogenated organic compounds] Dieter HH. **Schriftenr Ver Wasser Boden Lufthyg** 1990;82:23–36 (23 ref.) **(Ger)**

[Pollution of soil and ground water by volatile halogenated hydrocarbons caused by environmental accidents in South Hessen] Toussaint B. **Schriftenr Ver Wasser Boden Lufthyg** 1990;82:139–69 (24 ref.) **(Ger)**

HYDROCARBONS, POLYCYCLIC see **POLYCYCLIC HYDROCARBONS**

HYDROCELE

DIAGNOSIS

[A giant abdominoscrotal hydrocele] Aznar Aznar A, et al. **Cir Pediatr** 1990 Oct;3(4):181–4 (15 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Experimental surgical model of hydrocele for the use of sclerotherapy] Castillo Jimeno JM, et al. **Arch Esp Urol** 1990 Oct;43(8):819–28 (27 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

[Giant hydrocele: two case reports] Hirano S, et al. **Hinyokika Kiyo** 1991 Feb;37(2):195–8 (12 ref.) (Eng. Abstr.) **(Jpn)**

HYDROCEPHALUS

COMPLICATIONS

Multi-infarct dementia, subcortical dementia, and hydrocephalus. Nadeau SE. **South Med J** 1991 May;84(5 Suppl 1):S41–52 (63 ref.)

ETIOLOGY

Congenital glioblastoma multiforme--report of an autopsy case. Jung WH, et al. **J Korean Med Sci** 1990 Dec; 5(4):225–31 (14 ref.)

The association of hydrocephalus with intramedullary spinal cord tumors: a series of 25 patients. Rifkinson-Mann S, et al. **Neurosurgery** 1990 Nov;27(5):749–54; discussion 754 (65 ref.)

[Hydrocephalus and cerebral cysticercosis. A case report. Review of the literature] Bellard S, et al. **Neurochirurgie** 1990;36(3):185–90 (17 ref.) (Eng. Abstr.) **(Fre)**

NURSING

Shunt lengthening: a descriptive review. Greif L, et al. **J Neurosci Nurs** 1991 Apr;23(2):120–4 (18 ref.)

PATHOLOGY

Silicone oil-induced hydrocephalus in the rabbit. Del Bigio MR, et al. **Childs Nerv Syst** 1991 Apr;7(2):79–84 (38 ref.)

SURGERY

Bone metastasis associated with shunt-related peritoneal deposits from a pineal germinoma. Case report and review of the literature. Pallini R, et al. **Acta Neurochir (Wien)** 1991;109(1–2):78–83 (35 ref.)

Hydrocephalus: overdrainage by ventricular shunts. A review and recommendations. Pudenz RH, et al. **Surg Neurol** 1991 Mar;35(3):200–12 (59 ref.)

[Treatment of chronic hydrocephalus in adults by flow-regulated shunt. Apropos of a series of 46 patients] Duplessis E, et al. **Neurochirurgie** 1991;37(1):40–3 (31 ref.) (Eng. Abstr.) **(Fre)**

HYDROCHLORIC ACID

see related
GASTRIC ACID

HYDROCHLORIC ACID, GASTRIC see **GASTRIC ACID**

HYDROCHLOROTHIAZIDE

ADVERSE EFFECTS

Acute allergic interstitial pneumonitis induced by hydrochlorothiazide [published erratum appears in Can Med Assoc J 1991 Sep 1;145(5):391] Biron P, et al. **Can Med Assoc J** 1991 Jul 1;145(1):28–34 (29 ref.)

THERAPEUTIC USE

Comparison of benazepril and other antihypertensive agents alone and in combination with the diuretic hydrochlorothiazide. DeQuattro V. **Clin Cardiol** 1991 Aug; 14(8 Suppl 4):IV28–32; discussion IV51–5 (9 ref.)

TOXICITY

Hydrochlorothiazide. **IARC Monogr Eval Carcinog Risks Hum** 1990;50:293–305 (69 ref.)

18-HYDROCORTICOSTERONE see **18-HYDROXYCORTICOSTERONE**

HYDROGEN-ION CONCENTRATION

HYDROCORTISONE

ANALOGS & DERIVATIVES

Anaphylactoid reaction to intravenous hydrocortisone sodium succinate: a case report and literature review [see comments] Fulcher DA, et al. **Med J Aust** 1991 Feb 4; 154(3):210–4 (33 ref.) Comment in: Med J Aust 1991 Jun 3;154(11):783–4.

ANALYSIS

Salivary cortisol in psychobiological research: an overview. Kirschbaum C, et al. **Neuropsychobiology** 1989;22(3):150–69 (110 ref.)

BLOOD

The dexamethasone suppression test in Alzheimer's disease and major depression: relationship to dementia severity, depression, and CSF monoamines. Molchan SE, et al. **Int Psychogeriatr** 1990 Fall;2(2):99–122 (80 ref.)

The dexamethasone suppression test in dementia: a review of the literature. Skare S, et al. **J Geriatr Psychiatry Neurol** 1990 Jul–Sep;3(3):124–38 (59 ref.)

IMMUNOLOGY

Cortisol and immunity. Jefferies WM. **Med Hypotheses** 1991 Mar;34(3):198–208 (63 ref.)

METABOLISM

Transforming growth factor beta 1: an autocrine regulator of adrenocortical steroidogenesis. Feige JJ, et al. **Endocr Res** 1991;17(1–2):267–79 (35 ref.)

Defects in cortisol metabolism causing low-renin hypertension. White PC. **Endocr Res** 1991;17(1–2):85–107 (29 ref.)

Steroids and depression. Murphy BE. **J Steroid Biochem Mol Biol** 1991 May;38(5):537–59 (186 ref.)

PHYSIOLOGY

The insulin-antagonistic effect of the counterregulatory hormones. Lager I. **J Intern Med Suppl** 1991;735:41–7 (52 ref.)

HYDROCYANIC ACID

METABOLISM

The toxic effects of cassava (manihot esculenta grantz) diets on humans: a review. Aregheore EM, et al. **Vet Hum Toxicol** 1991 Jun;33(3):274–5 (10 ref.)

HYDROELECTRIC POWER PLANTS see **POWER PLANTS**

HYDROGEN

ANALYSIS

Clinical application of breath hydrogen measurements. Perman JA. **Can J Physiol Pharmacol** 1991 Jan;69(1):111–5 (40 ref.)

CHEMISTRY

Life with CO or CO2 and H2 as a source of carbon and energy [published erratum appears in FASEB J 1991 May;5(8):2216] Wood HG. **FASEB J** 1991 Feb;5(2):156–63 (51 ref.)

METABOLISM

Hydrogen-sulfur autotrophy in the hyperthermophilic archaebacterium, Pyrodictium brockii. Pihl TD, et al. **Biotechnol Genet Eng Rev** 1990;8:345–77 (113 ref.)

Regulation and interaction of intracellular calcium, sodium and hydrogen ions in cardiac muscle. MacLeod KT. **Cardioscience** 1991 Jun;2(2):71–85 (109 ref.)

Microbial H2/CO2 acetogenesis in animal guts: nature and nutritional significance. Breznak JA, et al. **FEMS Microbiol Rev** 1990 Dec;7(3–4):309–13 (30 ref.)

Basolateral membrane H/HCO3 transport in renal tubules [editorial] Preisig PA, et al. **Kidney Int** 1991 Jun; 39(6):1077–86 (109 ref.)

Symbiosis of protozoa with hydrogen-utilizing methanogens. Stumm CK, et al. **Microbiol Sci** 1986 Apr;3(4):100–5 (23 ref.)

HYDROGEN CYANIDE see **HYDROCYANIC ACID**

HYDROGEN-ION CONCENTRATION

Esophageal pH monitoring: methodology, indication and interpretation. Vandenplas Y. **Eur J Pediatr Surg** 1991 Apr; 1(2):67–72 (60 ref.)

Esophageal pH monitoring. de Caestecker JS, et al. **Gastroenterol Clin North Am** 1990 Sep;19(3):645–69 (131 ref.)

Regulation of the intracellular pH in the presence and absence of bicarbonate buffers. Cassel D, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec;1(1–4):393–8

HYDROGEN-ION CONCENTRATION

(37 ref.)
Intracellular pH: functions and regulatory mechanism. Neştianu V, et al. **Rev Roum Physiol** 1990 Jan-Mar; 27(1):61-73 (60 ref.)

HYDROGEN IONS see **PROTONS**

HYDROGEN PEROXIDE

Oxidant mechanisms in glomerulonephritis. Shah SV. **Semin Nephrol** 1991 May;11(3):320-6 (39 ref.)

ADVERSE EFFECTS

Iatrogenic pneumomediastinum after endodontic therapy. Nahlieli O, et al. **Oral Surg Oral Med Oral Pathol** 1991 May;71(5):618-9 (12 ref.)
[Open questions on biochemical toxicology of hydrogen peroxide] Dieter HH.
Schriftenr Ver Wasser Boden Lufthyg 1989;81:59-72 (35 ref.) **(Ger)**

METABOLISM

Oxygen toxicity: role of hydrogen peroxide and iron. van Asbeck BS. **Adv Exp Med Biol** 1990;264:235-46 (69 ref.)
Antioxidant defense systems: the role of carotenoids, tocopherols, and thiols. Di Mascio P, et al.
Am J Clin Nutr 1991 Jan;53(1 Suppl):194S-200S (52 ref.)
H2O2 has a role in cellular regulation. Ramasarma T.
Indian J Biochem Biophys 1990 Oct;27(5):269-74 (80 ref.)
Generation of superoxide anion and hydrogen peroxide at the surface of plant cells. Vianello A, et al.
J Bioenerg Biomembr 1991 Jun;23(3):409-23 (116 ref.)
Bacterial defenses against oxidative stress. Storz G, et al. **Trends Genet** 1990 Nov;6(11):363-8 (36 ref.)
[Pathophysiological basis of the adult respiratory distress syndrome: the role of leukocytes and oxygen radicals] van Asbeck BS, et al. **Ned Tijdschr Geneeskd** 1991 Jan 26; 135(4):117-22 (46 ref.) **(Dut)**
[Chemical and biochemical studies on reactivities, formations and toxicities of reactive oxygen species] Nagano T.
Yakugaku Zasshi 1991 Feb;111(2):103-19 (45 ref.) (Eng. Abstr.) **(Jpn)**
[Free radicals and antioxidants] Pawłowicz Z, et al.
Wiad Lek 1990 Sep 1-15;43(17-18):884-9 (30 ref.) (Eng. Abstr.) **(Pol)**

PHARMACOLOGY

Effects of hydrogen peroxide on lymphocyte receptor functions: their significance in immunoregulation. Kitas GD, et al. **Mol Aspects Med** 1991;12(2):149-59 (45 ref.)

TOXICITY

Hydroxyl radical and singlet oxygen production and DNA damage induced by carcinogenic metal compounds and hydrogen peroxide. Kawanishi S, et al.
Biol Trace Elem Res 1989 Jul-Sep;21:367-72 (16 ref.)

HYDROGEN SULFIDE

THERAPEUTIC USE

[The primary mechanisms of the action of hydrogen sulfide baths] Andreev SV, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 1990 Jul-Aug;(4):6-11 (34 ref.) **(Rus)**

HYDROGENASE

CHEMISTRY

The structure and mechanism of iron-hydrogenases. Adams MW. **Biochim Biophys Acta** 1990 Nov 5;1020(2):115-45 (222 ref.)

GENETICS

Conservation of primary structure in prokaryotic hydrogenases. Reeve JN, et al. **FEMS Microbiol Rev** 1990 Dec;7(3-4):419-24 (36 ref.)

HYDROLASES

ANTAGONISTS & INHIBITORS

S-adenosyl-L-homocysteine hydrolase as a target for antiviral chemotherapy. Wolfe MS, et al. **J Med Chem** 1991 May;34(5):1521-30 (117 ref.)

DEFICIENCY

Inherited hepatic enzyme defects as candidates for liver-directed gene therapy. Horwich AL.
Curr Top Microbiol Immunol 1991;168:185-200 (39 ref.)

METABOLISM

[Morphological and functional adaptation of the small intestine to protein intake. Effect of deprivation and supplemented diets] Czernichow B, et al.
Gastroenterol Clin Biol 1990;14(12):995-1002 (81 ref.) **(Fre)**

HYDRONEPHROSIS

COMPLICATIONS

[Unilateral hydronephrosis with hypertension due to ureteral endometriosis] Sekihara T, et al. **Hinyokika Kiyo** 1990 Sep; 36(9):1069-72 (14 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Prenatal diagnosis and management of bilateral hydronephrosis. Crombleholme TM, et al.
Pediatr Nephrol 1988 Jul;2(3):334-42 (77 ref.)

ETIOLOGY

Urological manifestations of the Melnick-Needles syndrome: a case report and review of the literature. LaMontagne AE. **J Urol** 1991 May;145(5):1020-1 (13 ref.)
A complex ileovaginal fistula with associated obstructive uropathy in a patient with Crohn's disease: technical considerations and review of the literature. Baird DR, et al. **South Med J** 1991 Mar;84(3):389-91 (13 ref.)
Hydroureteronephrosis after spinal cord injury. Effects of lower urinary tract dysfunction on upper tract anatomy. Staskin DR. **Urol Clin North Am** 1991 May;18(2):309-16 (9 ref.)
[Pyelo-ureteral junction syndrome in a transplanted kidney] Héritier P, et al. **Ann Urol (Paris)** 1990;24(6):473-5 (6 ref.) (Eng. Abstr.) **(Fre)**
[Obstructive disorders of urine transport in the upper urinary tract--vascular and inflammatory causes] Oesterwitz H, et al. **Z Urol Nephrol** 1990 Nov;83(11):589-96 (25 ref.) (Eng. Abstr.) **(Ger)**
[Obstructive urine transport disorders of the upper urinary tract--pelvi-ureteral obstruction] Oesterwitz H, et al.
Z Urol Nephrol 1990 Jul;83(7):329-39 (59 ref.) (Eng. Abstr.) **(Ger)**
[Obstructive disorders of urine transport of the upper urinary tract--benign and malignant retroperitoneal fibrosis] Oesterwitz H, et al. **Z Urol Nephrol** 1990 Dec;83(12):649-56 (18 ref.) (Eng. Abstr.) **(Ger)**
[Obstructive urine transport disorders of the upper urinary tract--pregnancy and iatrogenic lesions] Oesterwitz H, et al. **Z Urol Nephrol** 1990 Aug;83(8):405-10 (8 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Giant hydronephrosis: report of 4 cases with review of the literature. Chiang PH, et al.
Taiwan I Hsueh Hui Tsa Chih 1990 Sep;89(9):811-7 (43 ref.)
[Mechanisms of compensatory hypertrophy of the kidney] Klin M. **Postepy Hig Med Dosw** 1990;44(1-3):85-112 (123 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Suspected pyelo-ureteral junction obstruction in the fetus: when to do what? II. Experimental viewpoints. Josephson S. **Eur Urol** 1991;19(2):132-8 (71 ref.)
Pathophysiology of obstructive nephropathy: a 1991 update. Klahr S. **Semin Nephrol** 1991 Mar;11(2):156-68 (68 ref.)
[Pathophysiology and clinical significance of obstructive nephropathy] Oesterwitz H. **Z Urol Nephrol** 1990 Jun; 83(6):285-9 (16 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Suspected pyelo-ureteral junction obstruction in the fetus: when to do what? I. A clinical update. Josephson S.
Eur Urol 1990;18(4):267-75 (107 ref.)

ULTRASONOGRAPHY

Ultrasonography in the diagnosis of renal obstruction [see comments] Webb JA. **BMJ** 1990 Oct 27;301(6758):944-6 (32 ref.) Comment in: BMJ 1990 Nov 17;301(6761):1161-2.

HYDROPEROXIDASE II see **MYELOPEROXIDASE**

HYDROPHOBIA see **RABIES**

HYDROPHTHALMOS

PATHOLOGY

[The clinico-morphologic foundation of the modern pathogenetically oriented surgery of hydrophthalmos simplex] Krasnov MM, et al. **Oftalmol Zh** 1990;(3):148-53 (45 ref.) (Eng. Abstr.) **(Rus)**

HYDROPS see **EDEMA**

HYDROPS FETALIS

Non-immune hydrops fetalis. Li CY, et al.
Asia Oceania J Obstet Gynaecol 1990 Sep;16(3):191-9 (42 ref.)

DIAGNOSIS

The diagnosis and treatment of the nonimmune hydrops fetalis. Pál A, et al. **Acta Paediatr Hung** 1991;31(2):169-86 (39 ref.)
Differential diagnosis and causes of nonimmunological hydrops fetalis: a review. Poeschmann RP, et al.
Obstet Gynecol Surv 1991 Apr;46(4):223-31 (102 ref.)
[Diagnosis and treatment of non-immune hydrops foetalis] Pál A, et al. **Orv Hetil** 1990 Nov 18;131(46):2529-33 (34 ref.) (Eng. Abstr.) **(Hun)**

MICROBIOLOGY

Erythema infectiosum and pregnancy-related complications [see comments] Levy M, et al. **Can Med Assoc J** 1990 Nov 1;143(9):849-58 (132 ref.) Comment in: Can Med Assoc J 1991 Jan 15;144(2):122.

ULTRASONOGRAPHY

Nonimmune hydrops fetalis: a heterogeneous disorder and therapeutic challenge. Samuels P, et al.
Semin Roentgenol 1990 Oct;25(4):353-60 (71 ref.)
[Diagnostic and prognostic elements of non-immunologic feto-placental anasarca. Review of the literature apropos of 7 new cases] Nguyen Tan Lung R, et al.
J Gynecol Obstet Biol Reprod (Paris) 1990;19(7):869-77 (48 ref.) (Eng. Abstr.) **(Fre)**

HYDROQUINONES

METABOLISM

Effect of superoxide dismutase on the autoxidation of hydroquinones formed during DT-diaphorase catalysis and glutathione nucleophilic addition. Cadenas E, et al.
Adv Exp Med Biol 1990;264:37-44 (24 ref.)

PHARMACOLOGY

Multiple actions of superoxide dismutase: why can it both inhibit and stimulate reduction of oxygen by hydroquinones? Bandy B, et al. **Free Radic Biol Med** 1990; 9(2):143-8 (19 ref.)

HYDROSTATIC PRESSURE

[Extracorporeal shock wave lithotripsy and biological effects of underwater shock waves] Orikasa S.
Nippon Hinyokika Gakkai Zasshi 1991 Jul;82(7):1027-44 (48 ref.) (Eng. Abstr.) **(Jpn)**

HYDROTHERAPY

METHODS

[Stress and kneipptherapy] Armijo Valenzuela M.
An R Acad Nac Med (Madr) 1990;107(3):413-27 (27 ref.) **(Spa)**

HYDROTHORAX

SURGERY

Surgical correction of hydrothorax from diaphragmatic eventration in children on peritoneal dialysis. Bjerke HS, et al. **Surgery** 1991 Apr;109(4):550-4 (18 ref.)

HYDROXAMIC ACIDS

RADIATION EFFECTS

The photolability of hydroxamic acids and its importance to the human environment. Lipczynska-Kochany E.
Sci Total Environ 1991 Mar;100 Spec No:469-82 (81 ref.)

HYDROXIDES

DNA damage by oxygen-derived species. Its mechanism and measurement in mammalian systems. Halliwell B, et al.
FEBS Lett 1991 Apr 9;281(1-2):9-19 (203 ref.)
Oxidant mechanisms in glomerulonephritis. Shah SV.
Semin Nephrol 1991 May;11(3):320-6 (39 ref.)
[Studies on the activation of molecular oxygen and the biological defence mechanism against active oxygen species] Ozawa T. **Yakugaku Zasshi** 1990 Sep;110(9):617-38 (80 ref.) (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

[Active oxygen species and asbestos toxicity] Kagamimori S, et al. **Sangyo Igaku** 1990 Nov;32(6):439-47 (106 ref.) (Eng. Abstr.) **(Jpn)**
[Industrial factors in the production and processing of potash fertilizers and their effect on the body (review of the literature)] Khodykina TM. **Gig Tr Prof Zabol** 1990; (8):42-6 (56 ref.) **(Rus)**

METABOLISM

Hydroxyl radical and singlet oxygen production and DNA damage induced by carcinogenic metal compounds and hydrogen peroxide. Kawanishi S, et al.
Biol Trace Elem Res 1989 Jul-Sep;21:367-72 (16 ref.)
Application of spin trapping to human phagocytic cells: insight into conditions for formation and limitation of hydroxyl radical. Cohen MS, et al.
Free Radic Res Commun 1991;12-13 Pt 1:17-25 (27 ref.)
Bacterial defenses against oxidative stress. Storz G, et al.
Trends Genet 1990 Nov;6(11):363-8 (36 ref.)
[Chemical and biochemical studies on reactivities, formations

and toxicities of reactive oxygen species] Nagano T. **Yakugaku Zasshi** 1991 Feb;111(2):103–19 (45 ref.) (Eng. Abstr.) **(Jpn)**

TOXICITY

Hydroxylation of salicylate as an assay for hydroxyl radicals: a cautionary note [letter] Halliwell B, et al. **Free Radic Biol Med** 1991;10(6):439–41 (26 ref.)

Biomarkers of OH radical damage in vivo. Karam LR, et al. **Free Radic Res Commun** 1991;12–13 Pt 1:11–6 (24 ref.)

HYDROXY ACIDS

METABOLISM

Biosynthesis and composition of bacterial poly(hydroxyalkanoates). Anderson AJ, et al. **Int J Biol Macromol** 1990 Apr;12(2):102–5 (16 ref.)

Physiology and molecular genetics of poly(beta-hydroxy-alkanoic acid) synthesis in Alcaligenes eutrophus. Steinbüchel A, et al. **Mol Microbiol** 1991 Mar; 5(3):535–42 (50 ref.)

HYDROXYACETANILIDE see **ACETAMINOPHEN**

S-HYDROXYALKYL GLUTATHIONE LYASE see **GLUTATHIONE TRANSFERASES**

HYDROXYAMPICILLIN see **AMOXICILLIN**

HYDROXYAPATITES

The treatment of interproximal vertical bony defects with porous hydroxyapatite. Kenney EB, et al. **Dent Clin North Am** 1991 Jul;35(3):541–53 (29 ref.)

Preventive implantations. Denissen HW, et al. **Int Dent J** 1991 Feb;41(1):17–24 (12 ref.)

Reconstruction of the severely resorbed mandible. Davis WH, et al. **J Prosthet Dent** 1990 Nov;64(5):583–8 (17 ref.)

Calcium hydroxyapatite deposition disease. Hayes CW, et al. **Radiographics** 1990 Nov;10(6):1031–48 (28 ref.)

A new orbital implant to increase prosthetic motility following enucleation. Flanagan JC. **Trans Pa Acad Ophthalmol Otolaryngol** 1990;42:974–6 (0 ref.)

CHEMICAL SYNTHESIS

[Fabrication and mechanical properties of sintered hydroxyapatite] Aoki H, et al. **Kokubyo Gakkai Zasshi** 1990 Sep;57(3):363–9 (4 ref.) **(Jpn)**

HYDROXYBUTYRATES

METABOLISM

Occurrence, metabolism, metabolic role, and industrial uses of bacterial polyhydroxyalkanoates. Anderson AJ, et al. **Microbiol Rev** 1990 Dec;54(4):450–72 (176 ref.)

Physiology and molecular genetics of poly(beta-hydroxy-alkanoic acid) synthesis in Alcaligenes eutrophus. Steinbüchel A, et al. **Mol Microbiol** 1991 Mar; 5(3):535–42 (50 ref.)

HYDROXYCARBAMID see **HYDROXYUREA**

HYDROXYCHLOROBENZENES see **CHLOROPHENOLS**

HYDROXYCHLOROCHIN see **HYDROXYCHLOROQUINE**

HYDROXYCHLOROQUINE

ADVERSE EFFECTS

[Chloroquine and hydroxychloroquine: side effect profile of important therapeutic drugs] Ochsendorf FR, et al. **Hautarzt** 1991 Mar;42(3):140–6 (72 ref.) (Eng. Abstr.) **(Ger)**

HYDROXYCHOLESTEROLS

METABOLISM

26-Hydroxycholesterol: synthesis, metabolism, and biologic activities. Javitt NB. **J Lipid Res** 1990 Sep;31(9):1527–33 (54 ref.)

PHARMACOLOGY

26-Hydroxycholesterol: synthesis, metabolism, and biologic activities. Javitt NB. **J Lipid Res** 1990 Sep;31(9):1527–33 (54 ref.)

HYDROXYCORTICOSTEROID ANALOGS see **HYDROXYCORTICOSTEROIDS, SYNTHETIC**

HYDROXYCORTICOSTEROIDS, SYNTHETIC

ADVERSE EFFECTS

[Osteonecrosis following short-term, high-dosage steroid therapy] Grossmann S, et al. **Schweiz Med Wochenschr** 1991 May 4;121(18):635–41 (43 ref.) (Eng. Abstr.) **(Ger)**

18-HYDROXYCORTICOSTERONE

BLOOD

[18-Hydroxycorticosterone, 18-hydroxydesoxycorticosterone. Why, when, how to determine plasma levels in some adrenal pathologies] Aupetit B, et al. **Ann Endocrinol (Paris)** 1990;51(1):1–15 (125 ref.) (Eng. Abstr.) **(Fre)**

4-HYDROXYCOUMARINS

POISONING

"Superwarfarin" ingestion. A new problem in covert anticoagulant overdose. Swigar ME, et al. **Gen Hosp Psychiatry** 1990 Sep;12(5):309–12 (7 ref.)

18-HYDROXYDESOXYCORTICOSTERONE

BLOOD

[18-Hydroxycorticosterone, 18-hydroxydesoxycorticosterone. Why, when, how to determine plasma levels in some adrenal pathologies] Aupetit B, et al. **Ann Endocrinol (Paris)** 1990;51(1):1–15 (125 ref.) (Eng. Abstr.) **(Fre)**

HYDROXYDOPAMINES

THERAPEUTIC USE

Neuroblastoma: a neurochemical approach. Schor NF. **J Child Neurol** 1991 Jul;6(3):220–8 (32 ref.)

HYDROXYEICOSATETRAENOIC ACIDS

BIOSYNTHESIS

The cytochrome P450 metabolic pathway of arachidonic acid in the cornea. Schwartzman ML, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21A:185–92 (23 ref.)

METABOLISM

Lipoxins: eicosanoids carrying intra- and intercellular messages. Serhan CN. **J Bioenerg Biomembr** 1991 Feb; 23(1):105–22 (75 ref.)

PHYSIOLOGY

Generation and biological activities of lipoxins in the rainbow trout--an overview. Rowley AF, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:557–60 (11 ref.)

25-HYDROXYERGOCALCIFEROL see **25-HYDROXYVITAMIN D 2**

HYDROXYIMINO COMPOUNDS see **OXIMES**

HYDROXYLASES

BIOSYNTHESIS

P450BM-3 and other inducible bacterial P450 cytochromes: biochemistry and regulation. Fulco AJ. **Annu Rev Pharmacol Toxicol** 1991;31:177–203 (137 ref.)

GENETICS

Polymorphism of human CYP2D genes involved in drug metabolism: possible relationship to individual cancer risk. Nebert DW. **Cancer Cells** 1991 Mar;3(3):93–6 (27 ref.)

METABOLISM

The enzymes of detoxication. Jakoby WB, et al. **J Biol Chem** 1990 Dec 5;265(34):20715–8 (56 ref.)

The renal mitochondrial hydroxylases of the vitamin D3 endocrine complex: how are they regulated at the molecular level? Ghazarian JG. **J Bone Miner Res** 1990 Sep;5(9):897–903 (51 ref.)

Peptide amidation. Bradbury AF, et al. **Trends Biochem Sci** 1991 Mar;16(3):112–5 (45 ref.)

HYDROXYMETHOXYPHENYLGLYCOL see **METHOXYHYDROXYPHENYLGLYCOL**

HYDROXYMETHYLGLUTARYL COA REDUCTASES

ANTAGONISTS & INHIBITORS

Long-term clinical tolerance of lovastatin and simvastatin. Bilheimer DW. **Cardiology** 1990;77 Suppl 4:58–65 (52 ref.)

Physiological disposition of HMG-CoA-reductase inhibitors. Duggan DE, et al. **Drug Metab Rev** 1990;22(4):333–62 (45 ref.)

Clinical pharmacology of pravastatin, a selective inhibitor of HMG-CoA reductase. Pan HY. **Eur J Clin Pharmacol** 1991;40 Suppl 1:S15–8 (14 ref.)

Inhibition of the rate-limiting enzyme in cholesterol biosynthesis leads to up-regulation of the LDL receptor. **Nutr Rev** 1991 May;49(5):153–6 (15 ref.)

Pharmacology and mechanism of action of the new HMG-CoA reductase inhibitors. Sirtori CR. **Pharmacol Res** 1990 Sep-Oct;22(5):555–63 (24 ref.)

[Hypercholesterolemia: therapeutic approach] Alessandri C, et al. **Clin Ter** 1991 Jun 30;137(6):373–97 (82 ref.) (Eng. Abstr.) **(Ita)**

HYDROXYMETHYLGLUTARYL COA SYNTHASE

ANTAGONISTS & INHIBITORS

HMG-CoA reductase inhibitors: an exciting development in the treatment of hyperlipoproteinemia. Kathawala FG. **Med Res Rev** 1991 Mar;11(2):121–46 (30 ref.)

21-HYDROXYPROGESTERONE see **DESOXYCORTICOSTERONE**

HYDROXYSTEROID DEHYDROGENASES

PHYSIOLOGY

Renal 11-beta-hydroxysteroid dehydrogenase: a mechanism ensuring mineralocorticoid specificity. Edwards CR. **Horm Res** 1990;34(3-4):114–7 (31 ref.)

17-HYDROXYSTEROID DEHYDROGENASES

METABOLISM

Human 17 beta-hydroxysteroid dehydrogenase in normal and malignant endometrium. Vihko R, et al. **Ann N Y Acad Sci** 1991;622:392–401 (31 ref.)

HYDROXYTETRACYCLINE see **OXYTETRACYCLINE**

HYDROXYTRYPTAMINE see **SEROTONIN**

5-HYDROXYTRYPTOPHAN

METABOLISM

[Melatonin in the retina of vertebrates] Zawilska J, et al. **Acta Physiol Pol** 1989;40 Suppl 33:28–96 (252 ref.) **(Pol)**

HYDROXYTYRAMINE see **DOPAMINE**

HYDROXYUREA

ADMINISTRATION & DOSAGE

Failure of mithramycin to control the myeloid blast phase of chronic granulocytic leukemia: a report on nine patients and review of the literature. Johnson PR, et al. **Hematol Oncol** 1991 Jan-Feb;9(1):9–15 (17 ref.)

THERAPEUTIC USE

Pharmacologic manipulation of fetal hemoglobin. Update on clinical trials with hydroxyurea. Dover GJ. **Ann N Y Acad Sci** 1990;612:184–90 (29 ref.)

Hydroxyurea as treatment for sickle cell anemia. Charache S. **Hematol Oncol Clin North Am** 1991 Jun;5(3):571–83 (69 ref.)

25-HYDROXYVITAMIN D 2

BLOOD

The use and interpretation of assays for vitamin D and its metabolites. Holick MF. **J Nutr** 1990 Nov;120 Suppl 11:1464–9 (40 ref.)

HYDROXYZINE

ADVERSE EFFECTS

A review of the effects of antihistamines on mental processes related to automobile driving. Gengo FM, et al. **J Allergy Clin Immunol** 1990 Dec;86(6 Pt 2):1034–9 (31 ref.)

ANALOGS & DERIVATIVES

The inhibiting effect of cetirizine 2 HCl on eosinophil migration and its link to H1 blockade. Rihoux JP. **Agents Actions Suppl** 1991;33:409–15 (17 ref.)

Cetirizine. A review of its pharmacological properties and clinical potential in allergic rhinitis, pollen–induced asthma, and chronic urticaria. Campoli–Richards DM, et al. **Drugs** 1990 Nov;40(5):762–81 (93 ref.)

Perennial allergic rhinitis: clinical efficacy of a new antihistamine. Berman BA. **J Allergy Clin Immunol** 1990 Dec;86(6 Pt 2):1004–8 (5 ref.)

A review of the effects of antihistamines on mental processes related to automobile driving. Gengo FM, et al. **J Allergy Clin Immunol** 1990 Dec;86(6 Pt 2):1034–9 (31 ref.)

Cetirizine: antiallergic therapy beyond traditional H1 antihistamines. Sheffer AL, et al. **J Allergy Clin Immunol** 1990 Dec;86(6 Pt 2):1040–6 (26 ref.)

Recent advances in H1–receptor antagonist treatment. Simons FE. **J Allergy Clin Immunol** 1990 Dec;86(6 Pt 2):995–9 (13 ref.)

HYGIENE

Integration of hygiene into food technology. Nurmi E, et al. **Bibl Nutr Dieta** 1990;(47):12–8 (11 ref.)

Skin cleansing in health and disease. Raab W. **Wien Med Wochenschr Suppl** 1990;108:4–10 (35 ref.)

[Scientific studies of hygiene in children and adolescent in past 5 years (1985–1989). Retrospects and prospects] Ye GJ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1991 Jan; 25(1):4–8 (0 ref.) **(Chi)**

[Prospects for Chinese children developing proper hygiene habits in the 1990's] Zhang GD. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1991 Jan;25(1):1–3 (0 ref.) **(Chi)**

[Hygiene barriers in the hospital—psychological aspects] Bergler R. **Zentralbl Hyg Umweltmed** 1991 Mar; 191(2–3):117–58 (11 ref.) (Eng. Abstr.) **(Ger)**

[Hygiene barriers in the hospital—infectious aspects] Geiss HK. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):159–70 (10 ref.) (Eng. Abstr.) **(Ger)**

[Requirements for ambulatory operations from the point of view of hygienists] Gundermann KO. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):201–5 (4 ref.) (Eng. Abstr.) **(Ger)**

[Hygiene barriers in the hospital—instrumentation aspects] Sonntag HG. **Zentralbl Hyg Umweltmed** 1991 Mar; 191(2–3):171–81 (3 ref.) (Eng. Abstr.) **(Ger)**

[Syndrome of "unhealthy" accommodations as a hygienic problem (review of foreign literature)] Veselovskaia KA, et al. **Gig Tr Prof Zabol** 1991;(5):33–5 (24 ref.) (Eng. Abstr.) **(Rus)**

HYMENOPTERA

Emergency treatment of allergic reactions to Hymenoptera stings. Müller U, et al. **Clin Exp Allergy** 1991 May; 21(3):281–8 (51 ref.)

[Immunotherapy for stinging insect allergy—update] Sthoeger Z, et al. **Harefuah** 1990 Sep;119(5–6):163–5 (33 ref.) **(Heb)**

HYOID BONE

INJURIES

Isolated hyoid bone fracture: a case report and review of the literature. Szeremeta W, et al. **J Trauma** 1991 Feb; 31(2):268–71 (14 ref.)

HYOSCYAMINE see **ATROPINE**

HYPERALDOSTERONISM

COMPLICATIONS

[Multiple calcified adrenal myelolipoma suggestive of association of primary aldosteronism: report of a case] Kim CJ, et al. **Hinyokika Kiyo** 1991 Feb;37(2):151–5 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Endocrine hypertension] Takeda R. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):382–6 (6 ref.) **(Jpn)**

DIAGNOSIS

Primary hyperaldosteronism. Levi M. **Am J Med Sci** 1990 Sep;300(3):189–202 (86 ref.)

Diagnosis of hyperaldosteronism. Melby JC. **Endocrinol Metab Clin North Am** 1991 Jun;20(2):247–55 (16 ref.)

[Bartter's syndrome] Florczak E. **Przegl Lek** 1990; 47(7):546–50 (0 ref.) **(Pol)**

PHYSIOPATHOLOGY

Two uncommon causes of mineralocorticoid excess. Syndrome of apparent mineralocorticoid excess and glucocorticoid–remediable aldosteronism. Ulick S. **Endocrinol Metab Clin North Am** 1991 Jun;20(2):269–76 (37 ref.)

HYPERALIMENTATION, ENTERAL see **ENTERAL FEEDING**

HYPERALIMENTATION, PARENTERAL see **PARENTERAL HYPERALIMENTATION**

HYPERBARIC OXYGENATION

Carbon monoxide poisoning—recent advances. Proudfoot AT. **Acta Clin Belg Suppl** 1990;13:61–8 (54 ref.)

Hyperbaric oxygen as adjunctive therapy for osteomyelitis. Mader JT, et al. **Infect Dis Clin North Am** 1990 Sep; 4(3):433–40 (17 ref.)

The use of adjunctive hyperbaric oxygen in treatment of orthopedic infections and problem wounds: an overview and case reports. Berg E, et al. **J Invest Surg** 1989; 2(4):409–21 (10 ref.)

Hyperbaric oxygen in the radiation treatment of head and neck cancers. Sealy R. **Radiother Oncol** 1991;20 Suppl 1:75–9 (21 ref.)

[Antioxidants in hyperbaric oxygen therapy] De Martino G, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):609–21 (11 ref.) **(Ita)**

[Hyperbaric oxygen therapy in intensive pathology] Gismondi A, et al. **Minerva Anestesiol** 1990 Jul–Aug; 56(7–8):633–7 (11 ref.) **(Ita)**

[Forensic medical aspects of treatment with hyperbaric oxygen therapy] Sparacia B. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):629–32 (11 ref.) **(Ita)**

[Hyperbaric oxygen therapy in acute carbon monoxide poisoning. Illustration of a treatment protocol] Rezzonico C, et al. **Minerva Med** 1990 Jul–Aug;81(7–8 Suppl):45–7 (13 ref.) (Eng. Abstr.) **(Ita)**

[Hyperbaric oxygen and antianginal agents: experimental and clinical aspects of their interaction] Efuni SN, et al. **Kardiologiia** 1990 Sep;30(9):103–5 (39 ref.) **(Rus)**

ADVERSE EFFECTS

[Safety of ambient pressurization in oxygenation] Luongo C, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):583–5 (4 ref.) **(Ita)**

[Safety of treatment in the hyperbaric chamber] Merola L. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):601–7 (10 ref.) **(Ita)**

[Safety in the multiplace chamber] Rusca F, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):587–9 (6 ref.) **(Ita)**

[Pathogenesis of damaging effects of hyperoxia during early ontogenesis] Garmasheva NL, et al. **Akush Ginekol (Mosk)** 1990 Jul;(7):6–9 (41 ref.) **(Rus)**

INSTRUMENTATION

[Monitoring and instrument safety in the hyperbaric chamber] Oriani G, et al. **Minerva Anestesiol** 1990 Jul–Aug; 56(7–8):623–7 (6 ref.) **(Ita)**

[Diving accidents (3). Treatment of dysbaric embolism disorders] Desola Alá J. **Med Clin (Barc)** 1990 Sep 8; 95(7):265–75 (108 ref.) **(Spa)**

STANDARDS

Does hyperbaric oxygen have a place in the treatment of osteomyelitis? Calhoun JH, et al. **Orthop Clin North Am** 1991 Jul;22(3):467–71 (36 ref.)

[Safety standards of hyperbaric systems for treatment of decompression sickness] Pelaia P, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):639–42 (13 ref.) **(Ita)**

HYPERBETALIPOPROTEINEMIA see **HYPERCHOLESTEROLEMIA, FAMILIAL**

HYPERBILIRUBINEMIA

THERAPY

Management of neonatal hyperbilirubinemia: rational use of phototherapy. Polin RA. **Biol Neonate** 1990;58 Suppl 1:32–43 (47 ref.)

HYPERBILIRUBINEMIA, NEONATAL see **JAUNDICE, NEONATAL**

HYPERCALCEMIA

CHEMICALLY INDUCED

1,25–Dihydroxyvitamin D–related hypercalcemia in lymphoma: two case reports. Devogelaer JP, et al. **Clin Rheumatol** 1990 Sep;9(3):404–10 (39 ref.)

COMPLICATIONS

Urinary calculi in hypercalcemic states. Thomas WC Jr. **Endocrinol Metab Clin North Am** 1990 Dec;19(4):839–49 (45 ref.)

DIAGNOSIS

[The useúlness of biochemical markers of bone remodelling in the diagnosis and follow–up of Paget's disease of bone, primary hyperparathyroidism, tumoral hypercalcemia and postmenopausal osteoporosis. I. The markers of bone formation] de la Piedra Gordo C, et al. **An Med Interna** 1990 Sep;7(9):480–6 (39 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Etidronate for hypercalcemia of malignancy and osteoporosis. Horowitz E, et al. **Am Fam Physician** 1991 Jun;43(6):2155–9 (13 ref.)

The treatment of hypercalcaemia of malignancy. Heath D. **Clin Endocrinol (Oxf)** 1991 Feb;34(2):155–7 (13 ref.)

[Progress in endocrinological therapy of abnormal calcium metabolism and metabolic bone diseases] Tomita A. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):358–63 (29 ref.) **(Jpn)**

ETIOLOGY

Hypercalcemia of malignancy: pathophysiology, diagnosis and treatment. Mosekilde L, et al. **Crit Rev Oncol Hematol** 1991;11(1):1–27 (276 ref.)

Hypercalcemia and bone metastases in breast cancer. Warrell RP Jr. **Curr Opin Oncol** 1990 Dec;2(6):1097–103 (34 ref.)

Hypercalcemia in malignancy. Strewler GJ, et al. **West J Med** 1990 Dec;153(6):635–40 (109 ref.)

[Calcium metabolism disorders in sarcoidosis] Lhote F. **Ann Med Interne (Paris)** 1990;141(6):531–4 (32 ref.) **(Fre)**

[Hypercalcemia in cancers of the prostate. Apropos of 4 cases] Assouline C, et al. **Rev Rhum Mal Osteoartic** 1991 Mar;58(3):183–6 (21 ref.) (Eng. Abstr.) **(Fre)**

[Tumorous osteopathy and tumorous hypercalcemia] Thiébaud D, et al. **Internist (Berl)** 1990 Dec;31(12):756–62 (49 ref.) **(Ger)**

[Hypercalcemia and neoplasms: recent advances in pathogenesis] Virgolini L, et al. **Recenti Prog Med** 1990 Oct;81(10):635–41 (41 ref.) (Eng. Abstr.) **(Ita)**

[Malignant humoral hypercalcemia and the parathyroid hormone related protein] Jemtland R, et al. **Tidsskr Nor Laegeforen** 1991 May 30;111(14):1738–42 (47 ref.) (Eng. Abstr.) **(Nor)**

GENETICS

[Familial hypercalciuric hypercalcemia] Kassem M, et al. **Nord Med** 1991;106(4):107–8, 111 (11 ref.) (Eng. Abstr.) **(Dan)**

METABOLISM

Parathyroid hormone–related protein of humoral hypercalcemia of malignancy. Moseley JM. **Adv Clin Chem** 1990;28:219–42 (95 ref.)

Properties of parathyroid hormone–related protein and its role in malignant hypercalcaemia. Martin TJ. **Q J Med** 1990 Aug;76(280):771–86 (71 ref.)

[Usefulness of bone remodelling biochemical markers in the diagnosis and follow–up of Paget's bone disease, primary hyperparathyroidism, tumor hypercalcemia, and postmenopausal osteoporosis. II. Bone resorption markers] de la Piedra Gordo C, et al. **An Med Interna** 1990 Oct; 7(10):534–8 (25 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Clinical disorders of vitamin D, renal osteodystrophy, and hypophosphatasia. Bontoux D, et al. **Curr Opin Rheumatol** 1990 Feb;2(1):12–9 (25 ref.)

PHYSIOPATHOLOGY

Parathyroid gland disease and hypercalcemia. Reasner CA, et al. **Curr Opin Rheumatol** 1990 Feb;2(1):20–5 (19 ref.)

[Calcium and arterial hypertension] Drzhevetskiĭ IuM. **Sov Med** 1991;(3):34–6 (38 ref.) **(Rus)**

THERAPY

Management of severe hypercalcemia. Davis KD, et al. **Crit Care Clin** 1991 Jan;7(1):175–90 (58 ref.)

[Successful treatment of non–Hodgkin's lymphoma with consciousness disturbance due to hypercalcemia by the calcium–free hemodialysis and combined chemotherapy] Chou T, et al. **Rinsho Ketsueki** 1991 May;32(5):542–7 (12 ref.) (Eng. Abstr.) **(Jpn)**

[Treatment of neoplastic hypercalcemia] Herrero Huerta F, et al. **An Med Interna** 1991 Feb;8(2):94–7 (32 ref.) (Eng. Abstr.) **(Spa)**

HYPERCAPNIA

PHYSIOPATHOLOGY

Effect of hypercapnia and other disturbances in the acid–base–balance on panic disorder. Zandbergen J, et al. **Hillside J Clin Psychiatry** 1989;11(2):185–97 (65 ref.)

HYPERCHOLESTEREMIA see **HYPERCHOLESTEROLEMIA**

HYPERCHOLESTEROLEMIA

[Blood cholesterol, diet and coronary risk: is the French population protected or threatened? Report of a consensus conference] **Diabete Metab** 1990 Jul–Aug;16(4):334–40; discussion 341–3 (8 ref.) **(Fre)**

[Molecular biology of familial hypercholesterolemia] Pellicer Thoma E, et al. **An Med Interna** 1989 Mar;6(3):154–61 (42 ref.) (Eng. Abstr.) **(Spa)**

[Lipoprotein metabolism disorders. II. Epidemiology, classification, and diagnosis] Lerman Garber I, et al. **Arch Inst Cardiol Mex** 1991 Mar–Apr;61(2):179–84 (50 ref.) **(Spa)**

BLOOD

Rapidly changing lipid levels: some questions. Stern TN. **Beitr Infusionther** 1988;23:138–41 (7 ref.)

[Effect of hypercholesterolemia on function of platelets] Qi AD. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):310–3 (29 ref.) **(Chi)**

[A consensus accord for the control of cholesterolemia in Spain. Madrid. March 1989] Martín Zurro A. **Aten Primaria** 1990 May;7 Spec No:43–8 (27 ref.) **(Spa)**

COMPLICATIONS

Hyperlipidemia and glomerular sclerosis: an alternative viewpoint. Anderson S, et al. **Am J Med** 1989 Nov; 87(5N):34N–38N (58 ref.)

High blood cholesterol in elderly men and the excess risk for coronary heart disease. Rubin SM, et al. **Ann Intern Med** 1990 Dec 15;113(12):916–20 (38 ref.)

Prelesional modifications of the vessel wall in hyperlipidemic atherogenesis. Extracellular accumulation of modified and reassembled lipoproteins. Simionescu N, et al. **Ann N Y Acad Sci** 1990;598:1–16 (47 ref.)

The lipid hypothesis. Gotto AM Jr. **Beitr Infusionther** 1988; 23:1–7 (16 ref.)

Implications of childhood hypercholesterolemia. Garcia RE, et al. **Cleve Clin J Med** 1990 Nov–Dec;57(8):715–20 (62 ref.)

[Role of macrophages in atherogenesis (editorial)] Rouis M, et al. **Presse Med** 1991 Mar 9;20(9):401–3 (10 ref.) **(Fre)**

DIET THERAPY

Hypocholesterolemic effects of oat products. Anderson JW, et al. **Adv Exp Med Biol** 1990;270:17–36 (55 ref.)

The role of cholesterol in atherosclerosis and its potential management by dietary fiber. Kohn IJ, et al. **Arq Bras Cardiol** 1991 Mar;56(3):173–84 (116 ref.)

Dietary and drug treatment of severe hypercholesterolaemia. Lewis B. **Beitr Infusionther** 1988;23:39–46 (7 ref.)

Review of clinical studies on cholesterol–lowering response to soy protein. Carroll KK. **J Am Diet Assoc** 1991 Jul; 91(7):820–7 (81 ref.)

Hyperlipoproteinemias: Part III. When to treat. Vogt HB. **S D J Med** 1991 Apr;44(4):97–100 (18 ref.)

[Diet with controlled content of fat and cholesterol—practical aspects and realized evaluation] Owczarek L. **Wiad Lek** 1990 Aug 1–15;43(15–16):834–45 (8 ref.) **(Pol)**

[Dietary guidelines for diet therapy of children with hypercholesterolemia] Sarría Chueca A, et al. **An Esp Pediatr** 1991 May;34(5):381–9 (76 ref.) **(Spa)**

DRUG THERAPY

Dietary and drug treatment of severe hypercholesterolaemia. Lewis B. **Beitr Infusionther** 1988;23:39–46 (7 ref.)

Drug intervention trials in dyslipidemia: the past and the future. Dujovne CA. **Clin Cardiol** 1991 Feb;14(2 Suppl 1):I48–52 (14 ref.)

Clinical implications of new drugs for lowering plasma cholesterol concentrations. Illingworth DR. **Drugs** 1991 Feb;41(2):151–60 (52 ref.)

Simvastatin. A review of its pharmacological properties and therapeutic potential in hypercholesterolaemia. Todd PA, et al. **Drugs** 1990 Oct;40(4):583–607 (107 ref.)

Effects of gemfibrozil and other fibric acid derivatives on blood lipids and lipoproteins. Zimetbaum P, et al. **J Clin Pharmacol** 1991 Jan;31(1):25–37 (96 ref.)

Managing cholesterol in children and adolescents. Saizow RB. **J Okla State Med Assoc** 1991 Apr;84(4):153–9 (29 ref.)

Therapy for hypercholesterolemia. Carter BL, et al. **Prim Care** 1990 Sep;17(3):479–97 (101 ref.)

[Advance in drug treatment of primary and familial hypercholesterolemia] Liu K. **Chung Hsi I Chieh Ho Tsa Chih** 1991 May;11(5):315–7 (20 ref.) **(Chi)**

[Lipid–lowering therapy in the prevention of coronary heart disease] Keller U. **Schweiz Rundsch Med Prax** 1990 Sep 25;79(39):1120–4 (18 ref.) (Eng. Abstr.) **(Ger)**

[The effect of soybean protein on lipids and trace elements in elderly hospitalized women] Regöly–Mérei A, et al. **Orv Hetil** 1991 Jul 14;132(28):1523–6 (33 ref.) (Eng. Abstr.) **(Hun)**

ECONOMICS

The economics of cholesterol lowering. Reckless JP. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):947–72 (90 ref.)

Reducing high blood cholesterol level with drugs. Cost–effectiveness of pharmacologic management [see comments] Schulman KA, et al. **JAMA** 1990 Dec 19; 264(23):3025–33 (72 ref.) Comment in: JAMA 1991 Apr 17;265(15):1949–50.

ETIOLOGY

[Metabolic diseases: risk factors, laboratory values, clinical aspects and clinical relevance] Mehnert H. **Verh Dtsch Ges Inn Med** 1990;96:126–37 (21 ref.) **(Ger)**

GENETICS

Familial defective apolipoprotein B–100: a mutation of apolipoprotein B that causes hypercholesterolemia. Innerarity TL, et al. **J Lipid Res** 1990 Aug;31(8):1337–49 (77 ref.)

Genetic defects in lipoprotein metabolism. Elevation of atherogenic lipoproteins caused by impaired catabolism. Mahley RW, et al. **JAMA** 1991 Jan 2;265(1):78–83 (49 ref.)

MORTALITY

[Disorders of lipid metabolism and insurance medicine practice] Mayer–Ohly E. **Versicherungsmedizin** 1991 Jun 1;43(3):65–71 (49 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Endothelial alterations in hypercholesterolaemia and atherosclerosis. Lefer AM, et al. **Pharmacol Res** 1991 Jan; 23(1):1–12 (62 ref.)

PREVENTION & CONTROL

Policies for the prevention of coronary heart disease through cholesterol–lowering. Rifkind BM. **Br Med Bull** 1990 Oct; 46(4):1059–74 (42 ref.)

Hyperlipoproteinemias: Part II. Screening and patient classification. Vogt HB. **S D J Med** 1991 Mar;44(3):69–71 (24 ref.)

[Physical exercise for prevention and therapy] Falkenbach A. **Med Monatsschr Pharm** 1990 Oct 10;13(10):303–12 (143 ref.) **(Ger)**

[Prevention of myocardial infarction by reducing serum cholesterol levels. High–risk strategies should be limited] Jacobsen BK. **Tidsskr Nor Laegeforen** 1991 Jun 30; 111(17):2159–61 (22 ref.) (Eng. Abstr.) **(Nor)**

[National program for cholesterol prevention in Poland. Individual strategy] Cybulska B, et al. **Wiad Lek** 1990 Aug 1–15;43(15–16):796–807 (15 ref.) **(Pol)**

[Cholesterol prevention. American and European positions] Cybulska B. **Wiad Lek** 1990 Aug 1–15;43(15–16):808–20 (15 ref.) **(Pol)**

[National program for cholesterol prevention in Poland. Population strategy] Szostak WB, et al. **Wiad Lek** 1990 Aug 1–15;43(15–16):788–95 (19 ref.) **(Pol)**

THERAPY

Extracorporeal LDL cholesterol removal: role of LDL–pheresis in combination with other hypolipidemic therapy to regress vascular disease. Saal SD, et al. **Am J Med** 1989 Nov;87(5N):68N–74N (46 ref.)

National Education Programs Working Group report on the management of patients with hypertension and high blood cholesterol. **Ann Intern Med** 1991 Feb 1;114(3):224–37 (89 ref.)

The National Cholesterol Education program: guidelines and commentaries. Zerbi A. **Bol Asoc Med P R** 1990 Nov; 82(11):491–5 (14 ref.)

Asymptomatic hypercholesterolemia: a clinical policy review. The Toronto Working Group on Cholesterol Policy. **J Clin Epidemiol** 1990;43(10):1028–121 (334 ref.)

On lowering lipids in the post–infarction patient. Lewis B. **J Intern Med** 1991 Jun;229(6):483–8 (40 ref.)

Might treatment of hypercholesterolaemia increase non–cardiac mortality? [see comments] Oliver MF. **Lancet** 1991 Jun 22;337(8756):1529–31 (23 ref.) Comment in: Lancet 1991 Jul 13;338(8759):126.

The value of lowering cholesterol after myocardial infarction [see comments] Rossouw JE, et al. **N Engl J Med** 1990 Oct 18;323(16):1112–9 (64 ref.) Comment in: N Engl J Med 1991 Mar 28;324(13):922–3.

Should we treat high cholesterol in the aged? Godschalk MF. **Va Med Q** 1991 Spring;118(2):99–101 (9 ref.)

[Should one treat hyperlipidemia in diabetes, and how?] Moulin P, et al. **Diabete Metab** 1990 May–Jun;16(3):252–6 (22 ref.) **(Fre)**

[Need for treatment and treatment possibilities of hypercholesterolemia] Seidel D, et al. **Verh Dtsch Ges Inn Med** 1990;96:168–75 (7 ref.) **(Ger)**

[Hypercholesterolemia: therapeutic approach] Alessandri C, et al. **Clin Ter** 1991 Jun 30;137(6):373–97 (82 ref.) (Eng. Abstr.) **(Ita)**

HYPERCHOLESTEROLEMIA, ESSENTIAL see **HYPERCHOLESTEROLEMIA, FAMILIAL**

HYPERCHOLESTEROLEMIA, FAMILIAL

Familial hypercholesterolemia: a treatable lethal disease. Davignon J. **Can J Cardiol** 1991 Jan–Feb;7(1):VI–VII (2 ref.)

COMPLICATIONS

[Simultaneous occurrence of selective ACTH deficiency, achalasia, alacrimia and hyperlipoproteinemia] Várkonyi A, et al. **Orv Hetil** 1990 Dec 16;131(50):2763–6 (26 ref.) (Eng. Abstr.) **(Hun)**

DIAGNOSIS

Clinical features, diagnosis and frequency of familial hypercholesterolemia. Khachadurian AK. **Beitr Infusionther** 1988;23:26–32 (12 ref.)

DRUG THERAPY

[Advance in drug treatment of primary and familial hypercholesterolemia] Liu K. **Chung Hsi I Chieh Ho Tsa Chih** 1991 May;11(5):315–7 (20 ref.) **(Chi)**

GENETICS

Molecular genetics of familial hypercholesterolemia. Aalto–Setälä K, et al. **Adv Exp Med Biol** 1991;285:33–7 (22 ref.)

The LDL receptor locus in familial hypercholesterolemia: mutational analysis of a membrane protein. Hobbs HH, et al. **Annu Rev Genet** 1990;24:133–70 (122 ref.)

Genetics of familial hypercholesterolemia. Chan L. **Beitr Infusionther** 1988;23:8–17 (42 ref.)

Familial hypercholesterolemia: dissection of a receptor disease. Schneider WJ. **Z Kardiol** 1990;79 Suppl 3:3–7 (23 ref.)

METABOLISM

Alterations in cholesterol metabolism in the genetically hypercholesterolemic RICO rat: an overview. Ouguerram K, et al. **Adv Exp Med Biol** 1991;285:257–74 (25 ref.)

PATHOLOGY

Pathobiology of human familial hypercholesterolaemia and a related animal model, the Watanabe heritable hyperlipidaemic rabbit. Buja LM, et al. **Eur Heart J** 1990 Aug;11 Suppl E:41–52 (38 ref.)

PHYSIOPATHOLOGY

The role of ligand–receptor interactions in disease. Vermeer BJ, et al. **J Dermatol Sci** 1990 Mar;1(2):59–64 (41 ref.)

SURGERY

Metabolic effects of portacaval shunt surgery and liver transplantation in familial hypercholesterolemia. Bilheimer DW. **Beitr Infusionther** 1988;23:61–73 (48 ref.)

Partial ileal bypass in the therapy of familial hypercholesterolemia. The POSCH Group. Buchwald H, et al. **Beitr Infusionther** 1988;23:47–60 (8 ref.)

THERAPY

LDL–apheresis: results of longterm treatment and vascular outcome. Keller C. **Atherosclerosis** 1991 Jan;86(1):1–8 (45 ref.)

Treatment of severe hypercholesterolemia by heparin–induced extracorporeal LDL precipitation (HELP). Schuff–Werner P, et al. **Beitr Infusionther** 1988; 23:118–26 (9 ref.)

Efficacy of plasmapheresis, cascade–filtration and dextran–sulfate adsorption apheresis with calculation of the recovery rate of lipids and lipoproteins. Schwartzkopff W, et al. **Beitr Infusionther** 1988;23:103–11 (8 ref.)

The current status of low–density lipoprotein apheresis. Borberg H, et al. **Curr Stud Hematol Blood Transfus** 1990; (57):239–48 (13 ref.)

Prospects for gene therapy of familial hypercholesterolemia. Wilson JM, et al. **Mol Biol Med** 1990 Jun;7(3):223–32 (56 ref.)

[Non–dietary, non–pharmacological treatment of severe hypercholesterolemia] Hansen PS, et al. **Ugeskr Laeger** 1991 Jul 15;153(29):2046–51 (29 ref.) (Eng. Abstr.) **(Dan)**

[Coronary revascularization with reduction of serum cholesterol level using LDL apheresis in patient with homozygous familial hypercholesterolemia] Takahashi T, et al. **Kokyu To Junkan** 1990 Sep;38(9):925–30 (14 ref.) (Eng. Abstr.) **(Jpn)**

ULTRASONOGRAPHY

Non–invasive evaluation of iliac and carotid atherosclerosis in familial hypercholesterolemia. Rubba P, et al. **Beitr Infusionther** 1988;23:33–8 (19 ref.)

HYPERCHYLOMICRONEMIA, FAMILIAL see **LIPOPROTEIN LIPASE DEFICIENCY, FAMILIAL**

HYPERCORTICISM see **ADRENAL GLAND HYPERFUNCTION**

HYPERGAMMAGLOBULINEMIA

COMPLICATIONS

Diffuse infiltrating T–cell lymphoma of the colon associated with polyclonal hypergammaglobulinemia and hepatocellular carcinoma: report of a case. Nagai T, et al. **Jpn J Med** 1991 Jan–Feb;30(1):57–63 (31 ref.)

[A case of idiopathic plasmacytic lymphadenopathy with polyclonal hyperimmunoglobulinemia associated with

chronic renal failure] Kondo M, et al. **Nippon Jinzo Gakkai Shi** 1990 Oct;32(10):1133–7 (12 ref.) (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

IgD immune complex vasculitis in a patient with hyperimmunoglobulinemia D and periodic fever. Boom BW, et al. **Arch Dermatol** 1990 Dec;126(12):1621–4 (23 ref.)

HYPERGLYCEMIA

CHEMICALLY INDUCED

Drug-induced disturbances of carbohydrate metabolism. Chan JC, et al. **Adverse Drug React Toxicol Rev** 1991 Spring;10(1):1–29 (207 ref.)

CLASSIFICATION

[Chronic non-insulin deficient hyperglycemia in children] Lestradet H, et al. **Ann Pediatr (Paris)** 1991 Apr;38(4):255–9 (20 ref.) (Eng. Abstr.) **(Fre)**

EPIDEMIOLOGY

Known diabetes and fasting hyperglycaemia in the elderly. Prevalence and economic impact upon health services. Damsgaard EM. **Dan Med Bull** 1990 Dec;37(6):530–46 (126 ref.)

ETIOLOGY

Mechanisms for hyperglycemia in type II diabetes mellitus: therapeutic implications for sulfonylurea treatment--an update. Porte D Jr, et al. **Am J Med** 1991 Jun 24; 90(6A):8S–14S (26 ref.)

[Endocrinological approach to symptom and diagnosis of hyperglycemia] Takeda R. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):317–22 (9 ref.) **(Jpn)**

METABOLISM

Glycosylation products as toxic mediators of diabetic complications. Brownlee M. **Annu Rev Med** 1991;42:159–66 (32 ref.)

Acute and chronic effects of hyperglycaemia on glucose metabolism. Yki-Järvinen H. **Diabetologia** 1990 Oct; 33(10):579–85 (57 ref.)

Diabetic hyperglycemia: link to impaired glucose transport in pancreatic beta cells. Unger RH. **Science** 1991 Mar 8; 251(4998):1200–5 (50 ref.)

PHYSIOPATHOLOGY

[Pathogenesis of hyperglycemia in diabetes mellitus type II (insulin-independent)] Brożyński K, et al. **Pol Tyg Lek** 1989 May 22–29;44(21–22):514–8 (44 ref.) (Eng. Abstr.) **(Pol)**

[Cerebrovascular disorders in patients with diabetes mellitus (review of the literature)] Man'kovskiĭ BN. **Zh Nevropatol Psikhiatr** 1990;90(7):123–7 (116 ref.) **(Rus)**

PREVENTION & CONTROL

[A proposed model of the treatment of diabetes mellitus in pregnancy] Strojek K, et al. **Pol Tyg Lek** 1990 Mar 10–26; 45(12–13):261–3 (16 ref.) (Eng. Abstr.) **(Pol)**

HYPERGLYCEMIC HYPEROSMOLAR NONKETOTIC COMA

The diabetic hyperosmolar state. Wachtel TJ. **Clin Geriatr Med** 1990 Nov;6(4):797–806 (25 ref.)

HYPERHIDROSIS

ETIOLOGY

Crow-Fukase syndrome associated with extramedullary plasmacytoma. Shirabe S, et al. **Jpn J Med** 1991 Jan–Feb; 30(1):64–6 (11 ref.)

SURGERY

Surgical management of primary hyperhidrosis. Moran KT, et al. **Br J Surg** 1991 Mar;78(3):279–83 (60 ref.)

Surgical management of palmar hyperhidrosis. Riolo J, et al. **South Med J** 1990 Oct;83(10):1138–43 (16 ref.)

HYPERINSULINISM

Hyperinsulinemia or increased sympathetic drive as links for obesity and hypertension. Modan M, et al. **Diabetes Care** 1991 Jun;14(6):470–87 (235 ref.)

COMPLICATIONS

[Is macroangiopathy a complication of diabetes mellitus? I.Hyper- insulinemia] Goldsztajn P. **Przegl Lek** 1990; 47(7):551–6 (60 ref.) **(Pol)**

EPIDEMIOLOGY

Is hypertension an insulin-resistant state? Metabolic changes associated with hypertension and antihypertensive therapy. Sowers JR. **Am Heart J** 1991 Sep;122(3 (Pt 2)):932–5 (21 ref.)

ETIOLOGY

Insulin resistance and compensatory hyperinsulinemia: role in hypertension, dyslipidemia, and coronary heart disease. Reaven GM. **Am Heart J** 1991 Apr;121(4 (Pt 2)):1283–8 (71 ref.)

Epidemiologic and clinical aspects of insulin resistance and hyperinsulinemia. Flack JM, et al. **Am J Med** 1991 Jul 18; 91(1A):11S–21S (76 ref.)

PHYSIOPATHOLOGY

Insulin resistance, hyperinsulinemia, hypertriglyceridemia, and hypertension. Parallels between human disease and rodent models. Reaven GM. **Diabetes Care** 1991 Mar; 14(3):195–202 (53 ref.)

Glucose-induced or postprandial hyperinsulinemia in mild essential hypertension--an underestimated biochemical risk indicator? Singer P, et al. **Med Hypotheses** 1991 Feb; 34(2):157–64 (77 ref.)

HYPERKALEMIA

Endocrine crises. Hyperkalemia. Williams ME. **Crit Care Clin** 1991 Jan;7(1):155–74 (85 ref.)

CHEMICALLY INDUCED

The adverse effects of recombinant human erythropoietin therapy. Wong KC, et al. **Adverse Drug React Acute Poisoning Rev** 1990 Winter; 9(4):183–206 (113 ref.)

METABOLISM

Renal tubular hyperkalaemia in childhood. Rodríguez-Soriano J, et al. **Pediatr Nephrol** 1988 Oct; 2(4):498–509 (115 ref.)

PHYSIOPATHOLOGY

Hyperkalemia in the elderly. Michelis MF. **Am J Kidney Dis** 1990 Oct;16(4):296–9 (23 ref.)

[Familial hyperkalemia syndrome (Gordon's syndrome)] Baz M, et al. **Presse Med** 1990 Dec 15;19(43):1981–4 (10 ref.) (Eng. Abstr.) **(Fre)**

HYPERKERATOSIS, EPIDERMOLYTIC see **ICHTHYOSIFORM ERYTHRODERMA, CONGENITAL**

HYPERKERATOSIS PALMARIS ET PLANTARIS see **KERATOSIS PALMARIS ET PLANTARIS**

HYPERKINETIC HEART SYNDROME see **NEUROCIRCULATORY ASTHENIA**

HYPERKINETIC SYNDROME see **ATTENTION DEFICIT DISORDER WITH HYPERACTIVITY**

HYPERLIPEMIA see **HYPERLIPIDEMIA**

HYPERLIPIDEMIA

Hyperlipidemia: scientific basis and principles of intervention. Pyörälä K. **Rev Port Cardiol** 1990 Nov;9(11):859–67 (19 ref.)

BLOOD

Kinetic studies of the origin of apolipoprotein (apo) B-100 in low density lipoproteins of normal and Watanabe heritable hyperlipidemic (WHHL) rabbits. Havel RJ, et al. **Adv Exp Med Biol** 1991;285:245–55 (20 ref.)

[Dietary modification of the postprandial phase] Canzler H. **Klin Wochenschr** 1990;68 Suppl 22:76–82 (15 ref.) **(Ger)**

[Peripheral remnant metabolism] Schmitz G, et al. **Klin Wochenschr** 1990;68 Suppl 22:32–7 (18 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

The role of lipid abnormalities in the pathogenesis of chronic, progressive renal disease. Kasiske BL. et al. **Adv Nephrol Necker Hosp** 1991;20:109–25 (97 ref.)

Postprandial hyperlipidemia. Gotto AM Jr, et al. **Am J Cardiol** 1991 Jul 24;68(3):11A–12A (11 ref.)

Lipids, vascular disease, and dementia with advancing age. Epidemiologic considerations. Zimetbaum P, et al. **Arch Intern Med** 1991 Feb;151(2):240–4 (47 ref.)

Hyperlipidaemia and hypertension. Krone W, et al. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):833–50 (90 ref.)

Hyperlipidaemia and renal disease. Short CD, et al. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):777–806 (220 ref.)

Hyperlipidaemia in diabetes. Taskinen MR. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):743–75 (185 ref.)

Hyperlipidemia and progressive renal disease. Keane WF, et al. **Kidney Int Suppl** 1991 Apr;31:S41–8 (81 ref.)

Hyperlipidaemia and atherogenesis. Williams AD. **Med Hypotheses** 1990 Nov;33(3):213–7 (28 ref.)

[Hyperlipidemia and osteoarticular manifestations] Goupille P, et al. **Rev Med Interne** 1991 Mar–Apr;12(2):146–52 (68 ref.) (Eng. Abstr.) **(Fre)**

[Cerebrovascular disorders as a manifestation of a generalized disease] Lechleitner M, et al. **Acta Med Austriaca** 1991; 18(2):47–51 (34 ref.) (Eng. Abstr.) **(Ger)**

[Hyperlipidemia in gout] Yamamoto T. **Nippon Rinsho** 1991 May;49(5):1144–9 (16 ref.) **(Jpn)**

[Disorders of carbohydrate-lipid metabolism in cerebral ischemia] Maciejek Z, et al. **Wiad Lek** 1990 Sep 1–15; 43(17–18):890–4 (52 ref.) **(Pol)**

[Mortality in patients with chronic renal insufficiency undergoing hemodialysis. Hyperlipemia as coadjuvant factor] Joven J, et al. **Med Clin (Barc)** 1991 Jan 26; 96(3):110–3 (54 ref.) **(Spa)**

DIET THERAPY

Promoting adherence to low-fat, low-cholesterol diets: review and recommendations. McCann BS, et al. **J Am Diet Assoc** 1990 Oct;90(10):1408–14, 1017 (64 ref.)

Effect of dietary manipulation on the lipid abnormalities in patients with chronic renal failure. Maschio G, et al. **Kidney Int Suppl** 1991 Apr;31:S70–2 (26 ref.)

[Nutrition in disorders of lipid metabolism] Zürcher G. **Med Monatsschr Pharm** 1991 Jun;14(6):174–83 (17 ref.) **(Ger)**

DRUG THERAPY

Rationale for treatment. Gotto AM Jr. **Am J Med** 1991 Jul 31;91(1B):31S–36S (18 ref.)

Rationale and management of hyperlipidemia of the nephrotic syndrome. Grundy SM, et al. **Am J Med** 1989 Nov;87(5N):3N–11N (46 ref.)

Regression of coronary atherosclerosis: an achievable goal? Review of results from recent clinical trials. Waters D, et al. **Am J Med** 1991 Jul 31;91(1B):10S–17S (33 ref.)

Lipid-lowering agents in proteinuric diseases. Appel GB, et al. **Am J Nephrol** 1990;10 Suppl 1:110–5 (48 ref.)

Use of niacin as a drug. DiPalma JR, et al. **Annu Rev Nutr** 1991;11:169–87 (83 ref.)

Practical drug therapy for common hyperlipidaemias. Tikkanen MJ. **Baillieres Clin Endocrinol Metab** 1990 Dec; 4(4):719–42 (77 ref.)

Clinical relevance of hyperlipidemia. Mancini M, et al. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1385–8 (11 ref.)

Drug intervention trials in dyslipidemia: the past and the future. Dujovne CA. **Clin Cardiol** 1991 Feb;14(2 Suppl 1):I48–52 (14 ref.)

Management of hyperlipidemia: goals for the prevention of atherosclerosis. Illingworth DR. **Clin Invest Med** 1990 Aug; 13(4):211–8 (39 ref.)

A comparative review of the adverse effects of treatments for hyperlipidaemia. Steiner A, et al. **Drug Saf** 1991 Mar-Apr;6(2):118–30 (115 ref.)

Fenofibrate. A review of its pharmacodynamic and pharmacokinetic properties and therapeutic use in dyslipidaemia. Balfour JA, et al. **Drugs** 1990 Aug; 40(2):260–90 (124 ref.)

Indications for lipid-lowering drugs. Davignon J. **Eur J Clin Pharmacol** 1991;40 Suppl 1:S3–10 (68 ref.)

Beclobrate:pharmacodynamic properties and therapeutic use in hyperlipidemia. Wanner C, et al. **Eur J Clin Pharmacol** 1991;40 Suppl 1:S85–9 (32 ref.)

Effects of various lipid-lowering treatments in diabetics. Steiner G. **J Cardiovasc Pharmacol** 1990;16 Suppl 9:S35–9 (33 ref.)

Therapeutic perspectives in hyperlipidemic patients with diabetes mellitus. Garg A, et al. **J Diabetic Complications** 1990 Apr-Jun;4(2):72–4 (20 ref.)

[The current situation of therapy in hyperlipemias] Vallina Alvarez E, et al. **An Med Interna** 1990 Jul;7(7):370–4 (20 ref.) **(Spa)**

ECONOMICS

The economics of cholesterol lowering. Reckless JP. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):947–72 (90 ref.)

ETIOLOGY

Insulin resistance and compensatory hyperinsulinemia: role in hypertension, dyslipidemia, and coronary heart disease. Reaven GM. **Am Heart J** 1991 Apr;121(4 (Pt 2)):1283–8 (71 ref.)

Hyperlipidemia after organ transplantation. Markell MS, et al. **Am J Med** 1989 Nov;87(5N):61N–67N (90 ref.)

Pathogenesis of hyperlipidemia in the nephrotic syndrome. Attman PO, et al. **Am J Nephrol** 1990;10 Suppl 1:69–75 (50 ref.)

Secondary hyperlipidaemia. Durrington PN. **Br Med Bull** 1990 Oct;46(4):1005–24 (69 ref.)

Lipids in CAPD: a review. Thomas ME, et al. **Contrib Nephrol** 1990;85:92–9 (27 ref.)

Insulin resistance. A multifaceted syndrome responsible for NIDDM, obesity, hypertension, dyslipidemia, and atherosclerotic cardiovascular disease. DeFronzo RA, et al. **Diabetes Care** 1991 Mar;14(3):173–94 (307 ref.)

Pathophysiology of hyperlipidemia in diabetes mellitus. Abbate SL, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 9:S1–7 (93 ref.)

Hyperlipidemia of the nephrotic syndrome. Kaysen GA. **Kidney Int Suppl** 1991 Apr;31:S8–15 (65 ref.)

[Nephrotic hyperlipidemia and its clinical significance] Neverov NI, et al. **Ter Arkh** 1990;62(6):150–3 (65 ref.) **(Rus)**

GENETICS

Primary hyperlipidaemia. Thompson GR. **Br Med Bull** 1990 Oct;46(4):986–1004 (41 ref.)

METABOLISM

Lipoprotein abnormalities in the progression of renal disease. Brouhard BH, et al. **Cleve Clin J Med** 1990 Oct; 57(7):599–604 (39 ref.)

PATHOLOGY

Hyperlipidemias, lipid storage disorders, metal storage disorders, and ochronosis. Rooney PJ. **Curr Opin Rheumatol** 1991 Feb;3(1):166–71 (61 ref.)

PHYSIOPATHOLOGY

The hyperlipidemia of the nephrotic syndrome. Appel GB, et al. **Am J Med** 1989 Nov;87(5N):45N–50N (61 ref.)

Hyperlipidemia of nephrosis: pathophysiologic role in progressive glomerular disease. Diamond JR. **Am J Med** 1989 Nov;87(5N):25N–29N (38 ref.)

Lipid abnormalities, renal failure, and parathyroid hormone. Massry SG, et al. **Am J Med** 1989 Nov;87(5N):42N–44N (56 ref.)

THERAPY

Pharmacologic and surgical treatment of dyslipidemic children and adolescents. Hoeg JM. **Ann N Y Acad Sci** 1991;623:275–84 (55 ref.)

Treatment of hyperlipidaemia. Illingworth DR. **Br Med Bull** 1990 Oct;46(4):1025–58 (126 ref.)

Treating serum lipid abnormalities in high-priority patients. Blankenhorn DH, et al. **Postgrad Med** 1991 Jan;89(1):81–2, 87–90, 93–6 (14 ref.)

[Should one treat hyperlipidemia in diabetes, and how?] Moulin P, et al. **Diabete Metab** 1990 May–Jun;16(3):252–6 (22 ref.) **(Fre)**

[Garlic as phytogenic antilipemic agent. Recent studies with a standardized dry garlic powder substance] Brosche T, et al. **Fortschr Med** 1990 Dec 20;108(36):703–6 (0 ref.) (Eng. Abstr.) **(Ger)**

HYPERLIPIDEMIA, FAMILIAL COMBINED

Familial combined hyperlipoproteinemia. Genest J Jr. **Can J Cardiol** 1991 Mar;7(2):X–XI (5 ref.)

COMPLICATIONS

[Unilateral (7 cases), bilateral (1 case) cerebral xanthomatosis: involvement of the temporal bone alone?] Defauchy M. **Bull Soc Ophtalmol Fr** 1990 Aug–Sep;90(8–9):837–41 (7 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Pathobiology of human familial hypercholesterolaemia and a related animal model, the Watanabe heritable hyperlipidaemic rabbit. Buja LM, et al. **Eur Heart J** 1990 Aug;11 Suppl E:41–52 (38 ref.)

HYPERLIPIDEMIA, MULTIPLE LIPOPROTEIN-TYPE see **HYPERLIPIDEMIA, FAMILIAL COMBINED**

HYPERLIPOPROTEINEMIA

Hyperlipoproteinemia in chronic renal failure: pathophysiological and therapeutic aspects. Wanner C, et al. **Cardiology** 1991;78(3):202–17 (96 ref.)

Diagnosis and management of familial dyslipoproteinemia in children and adolescents. Kwiterovich PO Jr. **Pediatr Clin North Am** 1990 Dec;37(6):1489–523 (86 ref.)

BLOOD

What is meant by overproduction of apo B–containing lipoproteins? Grundy SM, et al. **Adv Exp Med Biol** 1991; 285:213–22 (31 ref.)

CLASSIFICATION

Hyperlipoproteinemias: Part I. Lipoprotein classification and abnormalities [published erratum appears in S D J Med 1991 Mar;44(3):59] Vogt HB. **S D J Med** 1991 Feb; 44(2):43–6 (24 ref.)

COMPLICATIONS

Lipids and thrombosis. Gasser JA, et al. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):923–38 (190 ref.)

Lipid abnormalities in renal disease [clinical conference] Appel G. **Kidney Int** 1991 Jan;39(1):169–83 (165 ref.)

Xanthomas and the inherited hyperlipoproteinemias in children and adolescents. Maher-Wiese VL, et al. **Pediatr Dermatol** 1990 Sep;7(3):166–73 (36 ref.)

[Lipids and cardiovascular diseases] Reiner Z. **Lijec Vjesn** 1990 Jul–Aug;112(7–8):243–9 (92 ref.) (Eng. Abstr.) **(Scr)**

DRUG THERAPY

Mechanisms of lipid-lowering agents. Sirtori CR, et al. **Cardiology** 1991;78(3):226–35 (27 ref.)

Nicotinic acid for the treatment of hyperlipoproteinemia. Drood JM, et al. **J Clin Pharmacol** 1991 Jul;31(7):641–50 (52 ref.)

HMG-CoA reductase inhibitors: an exciting development in the treatment of hyperlipoproteinemia. Kathawala FG. **Med Res Rev** 1991 Mar;11(2):121–46 (30 ref.)

Hyperlipoproteinemias: part IV. Drug regimens. Vogt HB. **S D J Med** 1991 May;44(5):117–20 (25 ref.)

[Principles of pharmacologic treatment for hyperlipoproteinemia] Kłosiewicz-Latoszek L. **Wiad Lek** 1990 Aug 1–15;43(15–16):821–33 (51 ref.) **(Pol)**

ENZYMOLOGY

[Pathophysiology of lipoprotein metabolism] Windler E, et al. **Z Gastroenterol Verh** 1991 Mar;26:98–9 (8 ref.) **(Ger)**

EPIDEMIOLOGY

[The risk and treatment of hyperlipoproteinemias] Alzamora P, et al. **Rev Med Univ Navarra** 1990 Jan–Mar;34(1):29–30, 32–5, 37–40 (44 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Pathogenesis of hyperlipidemia in the nephrotic syndrome. Attman PO, et al. **Am J Nephrol** 1990;10 Suppl 1:69–75 (50 ref.)

GENETICS

Genes and dyslipoproteinaemias. Assmann G. **Eur Heart J** 1990 Dec;11 Suppl H:4–8 (11 ref.)

METABOLISM

Recent advances in lipoprotein metabolism and the genetic dyslipoproteinemias. Brewer HB Jr, et al. **Adv Exp Med Biol** 1991;285:237–44 (38 ref.)

PHYSIOPATHOLOGY

Further insights into the pathophysiology of hyperapobetalipoproteinemia: role of basic proteins I, II, III. Kwiterovich PO Jr, et al. **Clin Chem** 1991 Mar; 37(3):317–26 (46 ref.)

[Disorders of lipoprotein metabolism. I. The physiopathology] Ahumada Ayala M. **Arch Inst Cardiol Mex** 1991 Jan–Feb;61(1):79–91 (80 ref.) **(Spa)**

PREVENTION & CONTROL

Hyperlipoproteinemias: Part II. Screening and patient classification. Vogt HB. **S D J Med** 1991 Mar;44(3):69–71 (24 ref.)

[The prospects for using fish oil in preventing and treating dyslipoproteinemia and atherosclerosis] Kobaladze AS, et al. **Ter Arkh** 1990;62(11):151–4 (74 ref.) **(Rus)**

SURGERY

[Surgical treatment of hyperlipoproteinemia] Kurguzov OP, et al. **Khirurgiia (Mosk)** 1991 Jan;(1):125–30 (74 ref.) **(Rus)**

THERAPY

[Metabolic risk factors in heart surgery] Schwandt P. **Z Kardiol** 1990;79 Suppl 4:59–62 (24 ref.) (Eng. Abstr.) **(Ger)**

HYPERLIPOPROTEINEMIA TYPE I see **LIPOPROTEIN LIPASE DEFICIENCY, FAMILIAL**

HYPERLIPOPROTEINEMIA TYPE II see **HYPERCHOLESTEROLEMIA, FAMILIAL**

HYPERLIPOPROTEINEMIA TYPE III

BLOOD

Platelet reactivity and arachidonic acid metabolism in type II hyperlipoproteinaemia and its modification by cholesterol-lowering agents. Schrör K. **Eicosanoids** 1990; 3(2):67–73 (70 ref.)

COMPLICATIONS

Type III hyperlipoproteinemia in a child with hemolytic uremic syndrome. Feussner G, et al. **Metabolism** 1990 Nov; 39(11):1196–9 (37 ref.)

HYPERMENORRHEA see **MENORRHAGIA**

HYPERMOBILITY, JOINT see **JOINT INSTABILITY**

HYPERNATREMIA

Hypernatraemia in the elderly patient. Solomon LR, et al. **Gerontology** 1990;36(3):171–9 (49 ref.)

ETIOLOGY

Fatal hypernatremia from exogenous salt intake: report of a case and review of the literature [published erratum appears in Mayo Clin Proc 1991 Apr;66(4):439] [see comments] Moder KG, et al. **Mayo Clin Proc** 1990 Dec; 65(12):1587–94 (30 ref.) Comment in: Mayo Clin Proc 1991 Apr;66(4):438–9.

HYPERNEPHROMA see **CARCINOMA, RENAL CELL**

HYPEROSTOSIS

DIAGNOSIS

[Review of cranio-maxillo-facial malformations characterized by abnormal bone density] Reychler H. **Ann Chir Plast Esthet** 1990;35(5):421–31 (84 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Hyperostosis and fixed partial denture pontics: report of 16 patients and review of literature. Morton TH Jr, et al. **J Prosthet Dent** 1990 Nov;64(5):539–47 (15 ref.)

HYPEROSTOSIS, CORTICAL, CONGENITAL

RADIOGRAPHY

[Infantile cortical hyperostosis. A case and review of the literature] Papavasiliou VA, et al. **Rev Chir Orthop** 1991; 77(1):57–8 (8 ref.) (Eng. Abstr.) **(Fre)**

HYPEROSTOSIS CORTICALIS GENERALISATA see **OSTEOCHONDRODYSPLASIAS**

HYPEROSTOSIS, DIFFUSE IDIOPATHIC SKELETAL

COMPLICATIONS

DISH and ankylosing spondylitis. Case report and review of the literature. Troise Rioda W, et al. **Clin Exp Rheumatol** 1990 Nov–Dec;8(6):591–3 (6 ref.)

Fractures of the spine in diffuse idiopathic skeletal hyperostosis. Paley D, et al. **Clin Orthop** 1991 Jun; (267):22–32 (20 ref.)

HYPEROSTOSIS, STERNOCOSTOCLAVICULAR

COMPLICATIONS

[Sternocostoclavicular hyperostosis. Apropos of a case with subclavian arteriovenous compression] Lechevalier D, et al. **Rev Rhum Mal Osteoartic** 1991 Feb;58(2):121–3 (10 ref.) **(Fre)**

HYPEROXALURIA

METABOLISM

The hyperoxaluric syndromes. Wandzilak TR, et al. **Endocrinol Metab Clin North Am** 1990 Dec;19(4):851–67 (93 ref.)

[Metabolism and pathophysiology of oxalic acid] Berg W. **Z Urol Nephrol** 1990 Sep;83(9):481–8 (33 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Treatment of enteric hyperoxaluria. Harper J, et al. **Postgrad Med J** 1991 Mar;67(785):219–22 (32 ref.)

HYPEROXALURIA, PRIMARY

PHYSIOPATHOLOGY

[Oxalosis (type 1 primary hyperoxaluria)] Cochat P. **Rev Med Suisse Romande** 1991 Jul;111(7):603–8 (22 ref.) **(Fre)**

HYPERPARATHYROIDISM

Developments in hyperparathyroidism. Mowschenson PM, et al. **Curr Opin Oncol** 1990 Feb;2(1):95–100 (22 ref.)

Hyperparathyroidism. Hayes CW, et al. **Radiol Clin North Am** 1991 Jan;29(1):85–96 (39 ref.)

[Primary hyperparathyroidism: the recent findings] Minisola S, et al. **Medicina (Firenze)** 1990 Jul–Sep;10(3):263–72 (74 ref.) (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Primary hyperparathyroidism and monoclonal gammopathy. Rao DS, et al. **Henry Ford Hosp Med J** 1991;39(1):41–4 (23 ref.)

Coexisting hyperparathyroidism with thyrotoxicosis. McGowan DM, et al. **J Endocrinol Invest** 1991 Apr; 14(4):305–10 (33 ref.)

Chronic calcifying pancreatitis associated with primary hyperparathyroidism—report of a case and review of the literature. Katoh H, et al. **Jpn J Surg** 1990 Nov;20(6):704–6 (8 ref.)

[A parathyroid cyst and an adenoma associated with primary

hyperparathyroidism: report of a case] Inoue H, et al. **Hinyokika Kiyo** 1990 Oct;36(10):1197–202 (30 ref.) (Eng. Abstr.) **(Jpn)**

CONGENITAL

[Severe neonatal primary hyperparathyroidism: presentation of a case and review of the literature] Alvarez-Arratia MC, et al. **Invest Clin** 1989;30(2):65–72 (15 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

NIH conference. Diagnosis and management of asymptomatic primary hyperparathyroidism: consensus development conference statement. **Ann Intern Med** 1991 Apr 1;114(7):593–7 (0 ref.)

Primary hyperparathyroidism and renal osteodystrophy. Heath DA. **Curr Opin Rheumatol** 1991 Jun;3(3):490–5 (32 ref.)

[The usefulness of biochemical markers of bone remodelling in the diagnosis and follow-up of Paget's disease of bone, primary hyperparathyroidism, tumoral hypercalcemia and postmenopausal osteoporosis. I. The markers of bone formation] de la Piedra Gordo C, et al. **An Med Interna** 1990 Sep;7(9):480–6 (39 ref.) (Eng. Abstr.) **(Spa)**

EPIDEMIOLOGY

Neonatal primary hyperparathyroidism—a case report and review of the literature. Blair JW, et al. **Eur J Pediatr Surg** 1991 Apr;1(2):110–4 (41 ref.)

ETIOLOGY

Clinical review 20: Recent advances in the pathogenesis and therapy of uremic secondary hyperparathyroidism. Delmez JA, et al. **J Clin Endocrinol Metab** 1991 Apr;72(4):735–9 (7 ref.)

METABOLISM

[Usefulness of bone remodelling biochemical markers in the diagnosis and follow-up of Paget's bone disease, primary hyperparathyroidism, tumor hypercalcemia, and postmenopausal osteoporosis. II. Bone resorption markers] de la Piedra Gordo C, et al. **An Med Interna** 1990 Oct; 7(10):534–8 (25 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Mechanism of parathyroid cell proliferation in primary hyperparathyroidism] Baglin A, et al. **Presse Med** 1991 May 4;20(17):803–8 (15 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Lipid abnormalities, renal failure, and parathyroid hormone. Massry SG, et al. **Am J Med** 1989 Nov;87(5N):42N–44N (56 ref.)

Primary hyperparathyroidism: recognition and management. Avioli LV. **Hosp Pract (Off Ed)** 1987 Sep 30;22(9A):69–74 (13 ref.)

Primary hyperparathyroidism. Aspects on pathophysiology, symptoms, and treatment. Akerström G, et al. **Surg Annu** 1991;23 Pt 2:133–55 (115 ref.)

[Physiopathological aspects of bone tissue in hyperparathyroidism. Pre- and postoperative evaluation of several parameters] Favia G, et al. **G Chir** 1988 Jun; 9(6):395–400 (12 ref.) (Eng. Abstr.) **(Ita)**

SURGERY

The operative management of coexisting thyroid and parathyroid disease. Strichartz SD, et al. **Arch Surg** 1990 Oct;125(10):1327–31 (38 ref.)

Severe primary hyperparathyroidism in a neonate having a parent with hypercalcemia: treatment by total parathyroidectomy and simultaneous heterotopic autotransplantation. Fujimoto Y, et al. **Surgery** 1990 Nov; 108(5):933–8 (23 ref.)

THERAPY

NIH conference. Diagnosis and management of asymptomatic primary hyperparathyroidism: consensus development conference statement. **Ann Intern Med** 1991 Apr 1;114(7):593–7 (0 ref.)

Primary hyperparathyroidism. Aspects on pathophysiology, symptoms, and treatment. Akerström G, et al. **Surg Annu** 1991;23 Pt 2:133–55 (115 ref.)

HYPERPARATHYROIDISM, SECONDARY

COMPLICATIONS

Hyperparathyroidism, estrogens, and osteoporosis. Avioli LV. **Hosp Pract [Off]** 1991 Jan 15;26(1):115–22, 127–8, 133–4 (12 ref.)

CONGENITAL

Spectrum and natural history of congenital hyperparathyroidism secondary to maternal hypocalcemia. Loughead JL, et al. **Am J Perinatol** 1990 Oct;7(4):350–5 (28 ref.)

IMMUNOLOGY

Secondary hyperparathyroidism and the immune system in chronic renal failure. Massry SG, et al. **Semin Nephrol** 1991 Mar;11(2):186–201 (120 ref.)

RADIOGRAPHY

[Radiologic skeletal diagnosis in dialysis patients] Rieden K, et al. **Med Klin** 1990 Aug 15;85(8):488–92, 509 (30 ref.) **(Ger)**

SURGERY

Parathyroidectomy in chronic renal failure: indications, surgical approach and the use of calcitriol. Llach F. **Kidney Int Suppl** 1990 Sep;29:S62–8 (39 ref.)

HYPERPHAGIA

see related
OBESITY

COMPLICATIONS

[Nutrition-related diseases of adults] Schlierf G, et al. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):307–15 (14 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSIS

[Kleine–Levin syndrome] Wurthmann C, et al. **Fortschr Neurol Psychiatr** 1991 May;59(5):190–4 (67 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Compulsive overeating. Miller KD. **Nurs Clin North Am** 1991 Sep;26(3):699–705 (20 ref.)

Binge eating as escape from self-awareness. Heatherton TF, et al. **Psychol Bull** 1991 Jul;110(1):86–108 (240 ref.)

THERAPY

Conditioning processes and cue exposure in the modification of excessive eating. Wardle J. **Addict Behav** 1990; 15(4):387–93 (36 ref.)

HYPERPLASIA

see related
PRECANCEROUS CONDITIONS

COMPLICATIONS

[Nodular regenerative hyperplasia and pulmonary arterial hypertension] Bedossa P, et al. **Gastroenterol Clin Biol** 1990; 14(11):881–4 (40 ref.) (Eng. Abstr.) **(Fre)**

HYPERPLASIA, GIANT LYMPH NODE see **GIANT LYMPH NODE HYPERPLASIA**

HYPERPOTASSEMIA see **HYPERKALEMIA**

HYPERPROLACTINEMIA

Hyperprolactinemic disorders. Katz E, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):622–39 (116 ref.)

COMPLICATIONS

[Hypergonadotropic amenorrhea] Khdaïb F, et al. **Akush Ginekol (Mosk)** 1991 Jan;(1):9–12 (65 ref.) **(Rus)**

[Correlation of serum prolactin, sperm count and motility. Prevalence of hyperprolactinemia in the infertile male] Soler Fernández JM, et al. **Arch Esp Urol** 1990 Oct; 43(8):891–5 (30 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Dopaminergic treatments for hyperprolactinaemia. Crosignani PG, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):441–55 (89 ref.)

Bromocriptine in obstetrics and gynaecology. Haider P. **JPMA** 1990 Sep;40(9):224–9 (71 ref.)

ETIOLOGY

[Hyperprolactinemia] Müller OA, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):125–30 (15 ref.) **(Ger)**

PSYCHOLOGY

Neuropsychiatry of prolactin: causes and effects. Sobrinho LG. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):119–42 (125 ref.)

THERAPY

Hyperprolactinemia and the management of related tumors. Tan SL. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):378–85 (14 ref.)

HYPERPYREXIA, MALIGNANT see **MALIGNANT HYPERTHERMIA**

HYPERSALIVATION see **SIALORRHEA**

HYPERSENSITIVITY

see related
DESENSITIZATION, IMMUNOLOGIC

Hypersensitivity reactions. Virella G. **Immunol Ser** 1990; 50:341–55 (7 ref.)

Allergy of the upper respiratory tract. Clemis JD, et al. **Otolaryngol Clin North Am** 1970 Jun;3(2):265–76 (14 ref.)

[Pseudo-allergy] Pytskiĭ VI. **Ter Arkh** 1991;63(3):133–7 (35 ref.) **(Rus)**

[Allergic diseases of the eyes in children and adults (review of the literature)] Kovalevskiĭ EI, et al. **Vestn Oftalmol** 1990 Sep–Oct;106(5):68–76 (220 ref.) **(Rus)**

COMPLICATIONS

Gastroesophageal reflux and allergy. Molkhou P, et al. **Clin Rev Allergy** 1990 Winter;8(4):363–80 (62 ref.)

[Hypersensitivity (allergy) and infection] Cicioğlu R, et al. **Mikrobiyol Bul** 1991 Jan;25(1):108–17 (8 ref.) (Eng. Abstr.) **(Tur)**

DIAGNOSIS

Diagnosis of house dust mite allergy. Heinig JH, et al. **Allergy** 1991;46 Suppl 11:19–22 (23 ref.)

Diagnostic procedures—exposure and environment. Mosbech H, et al. **Allergy** 1991;46 Suppl 11:23–5 (10 ref.)

Conventional allergy tests. David TJ. **Arch Dis Child** 1991 Mar;66(3):281–2 (16 ref.)

Prediction of atopic disease in the newborn: methodological aspects. Bergmann KE, et al. **Clin Exp Allergy** 1990 Sep; 20 Suppl 3:21–6 (28 ref.)

The future of allergy diagnostic techniques. Johansson SG. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:123–7 (10 ref.)

Tests for immune reactivity in allergy. Kemeny DM. **Curr Opin Immunol** 1989–90;2(6):910–6 (24 ref.)

DRUG THERAPY

Does the clinical experience with non-sedating H1-antagonists justify a reassessment of antihistamines in allergy treatment? De Weck AL. **Clin Exp Allergy** 1990 Aug;20 Suppl 2:51–4 (16 ref.)

H1- and H2-antagonists in allergic and pseudoallergic diseases. Ring J, et al. **Clin Exp Allergy** 1990 Aug;20 Suppl 2:43–9 (49 ref.)

Ketotifen. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic use in asthma and allergic disorders [published erratum appears in Drugs 1991 Feb;41(2):192] Grant SM, et al. **Drugs** 1990 Sep; 40(3):412–48 (214 ref.)

Cetirizine: antiallergic therapy beyond traditional H1 antihistamines. Sheffer AL, et al. **J Allergy Clin Immunol** 1990 Dec;86(6 Pt 2):1040–6 (26 ref.)

The second-generation antihistamines. What makes them different? Ryhal BT, et al. **Postgrad Med** 1991 May 1; 89(6):87–8, 91–4, 99 (22 ref.)

EPIDEMIOLOGY

[Are allergies really increasing?] Kunz B, et al. **Fortschr Med** 1991 Jun 10;109(17):353–6 (40 ref.) (Eng. Abstr.) **(Ger)**

[Allergic diseases. Analysis of the causes of their increase] Velichkovskiĭ BT. **Vestn Akad Med Nauk SSSR** 1991; (1):28–33 (21 ref.) (Eng. Abstr.) **(Rus)**

ETIOLOGY

Epidemiology of house dust mite allergy. Korsgaard J, et al. **Allergy** 1991;46 Suppl 11:14–8 (36 ref.)

Allergic reaction to latex: a risk factor for unsuspected anaphylaxis. Warpinski JR, et al. **Allergy Proc** 1991 Mar–Apr;12(2):95–102 (25 ref.)

Formaldehyde: an analysis of its respiratory, cutaneous, and immunologic effects. Bardana EJ Jr, et al. **Ann Allergy** 1991 Jun;66(6):441–52 (147 ref.)

Isocyanates. Baur X. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:241–6 (20 ref.)

Viral infections and allergic disease. Busse WW. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:68–71 (11 ref.)

Parasites and allergy: evidence for a 'cause and effect' relationship. Moqbel R, et al. **Clin Exp Allergy** 1990 Nov; 20(6):611–8 (80 ref.)

House-dust-mite allergens: a review. Arlian LG. **Exp Appl Acarol** 1991 Feb;10(3–4):167–86 (106 ref.)

A review of biology and allergenicity of the house-dust mite Euroglyphus maynei (Acari: Pyroglyphidae). Colloff MJ. **Exp Appl Acarol** 1991 Jun;11(2–3):177–98 (96 ref.)

Allergy to dental materials with special reference to the use of amalgam and polymethylmethacrylate. Kaaber S. **Int Dent J** 1990 Dec;40(6):359–65 (58 ref.)

The contact lens patient and ocular allergies. Donshik PC, et al. **Int Ophthalmol Clin** 1991 Spring;31(2):133–45 (31 ref.)

Environmental factors versus genetic determinants of childhood inhalant allergies. Ownby DR. **J Allergy Clin Immunol** 1990 Sep;86(3 Pt 1):279–87 (84 ref.)

Allergy to laboratory mice and rats: a review of the pathophysiology, epidemiology and clinical aspects. Hunskaar S, et al. **Lab Anim** 1990 Oct;24(4):358–74 (77 ref.)

The function of allergy: immunological defense against toxins. Profet M. **Q Rev Biol** 1991 Mar;66(1):23–62 (295 ref.)

Allergologic aspects of skin-cleansing products. Richter G. **Wien Med Wochenschr Suppl** 1990;108:10-2 (25 ref.)
[Allergic reactions to measles, mumps and rubella vaccine in children with egg protein allergy] Kornbrot B, et al. **Harefuah** 1990 Oct;119(7-8):230-1 (24 ref.) **(Heb)**
[Ecology and allergology] Ado AD. **Klin Med (Mosk)** 1990 Sep;68(9):3-6 (14 ref.) **(Rus)**

GENETICS

Atopy and genetics. A review. Hopkin JM. **J R Coll Physicians Lond** 1990 Jul;24(3):159-60 (9 ref.)

IMMUNOLOGY

Current concepts in ocular allergy. Friedlaender MH. **Ann Allergy** 1991 Jul;67(1):5-10, 13 (59 ref.)
Prospects of applying some scientific data obtained in the field of cellular and humoral immunity in allergic diseases. Prophylaxis and treatment. Szegli G, et al. **Arch Roum Pathol Exp Microbiol** 1990 Jan-Mar;49(1):5-16 (28 ref.)
Perinatal environmental factors influencing the development of allergy. Björkstén B, et al. **Clin Exp Allergy** 1990 Sep; 20 Suppl 3:3-8 (64 ref.)
Neuropeptides, mast cells and allergy: novel mechanisms and therapeutic possibilities. Goetzl EJ, et al. **Clin Exp Allergy** 1990 Nov;20 Suppl 4:3-7 (52 ref.)
T-lymphocytes, allergy and asthma. Kay AB, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:17-21 (20 ref.)
Graded continuity, or all or none--studies of the human immune response. Friedmann PS. **Clin Exp Dermatol** 1991 Mar;16(2):79-84 (9 ref.)
Bronchial hyperresponsiveness and bacterial respiratory infections. Cazzola M, et al. **Clin Ther** 1991 Jan-Feb; 13(1):157-71 (86 ref.)
[The allergy syndrome in childhood. Immunologic principles--risk factors--prevention] Grass T, et al. **Monatsschr Kinderheilkd** 1991 Jun;139(6):316-22 (76 ref.) (Eng. Abstr.) **(Ger)**
[Immunotherapy for stinging insect allergy--update] Sthoeger Z, et al. **Harefuah** 1990 Sep;119(5-6):163-5 (33 ref.) **(Heb)**
[Dawn of molecular understanding in allergy] Chisei R, et al. **Tanpakushitsu Kakusan Koso** 1991 Jan;36(1):81-91 (52 ref.) **(Jpn)**
[The prospects for applying the scientific data obtained in the area of cellular and humoral immunity to the prevention and treatment of allergic diseases] Dincă L, et al. **Rev Ig [Bacteriol]** 1990 Jan-Mar;35(1):41-52 (29 ref.) **(Rum)**
[Prevalence of sensitivity to contact allergens among atopic and non atopic children without dermatitis] Sanz Ortega J, et al. **An Esp Pediatr** 1990 Oct;33(4):339-42 (22 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Pathology of allergic diseases. Schwartz A. **Acta Univ Carol [Med Monogr] (Praha)** 1989;129:1-197 (453 ref.)
Basophils, mast cells and eosinophils and their precursors in allergic rhinitis. Denburg JA. **Clin Exp Allergy** 1991 Jan; 21 Suppl 1:253-8 (20 ref.)
[Free radical system and activation of allergy target cells] Gushchin IS, et al. **Patol Fiziol Eksp Ter** 1990 Nov-Dec; (6):3-10 (36 ref.) **(Rus)**

PHYSIOPATHOLOGY

Sensory and motor reflex control of nasal mucosal blood flow and secretion; clinical implications in non-allergic nasal hyperreactivity. Stjärne P. **Acta Physiol Scand Suppl** 1991;600:1-64 (150 ref.)
T cells, IgE antibodies, cytokines and allergic inflammation. Del Prete G, et al. **Allerg Immunol (Paris)** 1991 Jun; 23(6):239-43 (22 ref.)
The role of histamine in allergic diseases. White MV. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 2):599-605 (13 ref.)
Growth in allergic children. Solé D, et al. **J Asthma** 1989; 26(4):217-21 (49 ref.)
[The role of cytokines in allergic inflammation] Hurez D. **Allerg Immunol (Paris)** 1990 Oct;22(8):309-13 (3 ref.) (Eng. Abstr.) **(Fre)**
[Allergic reaction and vascular permeability (corrected and republished article originally printed in Allerg Immunol (Paris) 1990 Sep;22(7):265-70)] Rihoux JP. **Allerg Immunol (Paris)** 1990 Dec;22(10):428-33 (36 ref.) (Eng. Abstr.) **(Fre)**
[The kallikrein-kinin system and allergy] Katori M, et al. **Arerugi** 1991 Jun;40(6):571-80 (18 ref.) **(Jpn)**

PREVENTION & CONTROL

House dust mite allergy and anti-mite measures in the indoor environment. Harving H, et al. **Allergy** 1991;46 Suppl 11:33-8 (19 ref.)
Biological preparations with clinical efficacy in the prevention and therapy of allergic syndromes. Neguţ E, et al. **Arch Roum Pathol Exp Microbiol** 1990 Jan-Mar; 49(1):17-30 (22 ref.)
[Prevention of atopic hypersensitivity. Principles and status of current knowledge. A review for the obstetrician] Rebmann H. **Geburtshilfe Frauenheilkd** 1991 Feb;51(2):85-9 (41 ref.) (Eng. Abstr.) **(Ger)**
[Does breast feeding protect from atopic diseases?] Haschke F, et al. **Padiatr Padol** 1990;25(6):415-20 (17 ref.) (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Inflammatory diseases of the paranasal sinuses. Zizmor J, et al. **Otolaryngol Clin North Am** 1973 Jun;6(2):459-72 (4 ref.)

SURGERY

Surgery in allergic sinusitis. Harrison DF. **Otolaryngol Clin North Am** 1971 Feb;4(1):79-95 (9 ref.)

THERAPY

Treatment of patients allergic to house dust mites. Haugaard L, et al. **Allergy** 1991;46 Suppl 11:26-32 (41 ref.)
Social, political, economic and health consequences of environmental treatment of house dust mites. Olsen OF, et al. **Allergy** 1991;46 Suppl 11:39-44 (30 ref.)
Treatment with cat allergy vaccines. Hedlin G. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:211-5 (14 ref.)
Principles of successful immunotherapy. Malling HJ. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:216-20 (13 ref.)
The role of IgG subclass antibodies in the clinical response to immunotherapy in allergic disease. Nakagawa T. **Clin Exp Allergy** 1991 May;21(3):289-96 (62 ref.)
[Hyposensitization: indications and expectations] Urbanek R. **Padiatr Padol** 1990;25(6):397-404 (13 ref.) (Eng. Abstr.) **(Ger)**

HYPERSENSITIVITY, CONTACT see **DERMATITIS, CONTACT**

HYPERSENSITIVITY, DELAYED

see related
CELL MIGRATION INHIBITION

Dynamics of swine mange: a critical review of the literature. Davis DP, et al. **J Med Entomol** 1990 Sep;27(5):727-37 (93 ref.)
[Immediate and late phases of allergic rhinitis] Bachert C. **Immun Infekt** 1990 Oct;18(5):164-8 (28 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Type IV allergy to components of ophthalmologic drugs] Riedl B, et al. **Klin Monatsbl Augenheilkd** 1991 Apr; 198(4):251-4 (40 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

The late phase response: clinical implications. Lemanske RF Jr. **Adv Intern Med** 1991;36:171-93 (121 ref.)
The role of IL-10 in crossregulation of TH1 and TH2 responses. Mosmann TR, et al. **Immunol Today** 1991 Mar; 12(3):A49-53 (59 ref.)
Late asthmatic responses. Durham SR. **Respir Med** 1990 Jul; 84(4):263-8 (74 ref.)

HYPERSENSITIVITY, IMMEDIATE

Immediate hypersensitivity. Goust JM. **Immunol Ser** 1990; 50:357-74 (7 ref.)
Dynamics of swine mange: a critical review of the literature. Davis DP, et al. **J Med Entomol** 1990 Sep;27(5):727-37 (93 ref.)
[Immediate and late phases of allergic rhinitis] Bachert C. **Immun Infekt** 1990 Oct;18(5):164-8 (28 ref.) (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

[Hypersensitivity to hypoglycemic sulfonylurea compounds. Are there cross-reactions?] Chichmanian RM, et al. **Therapie** 1991 Mar-Apr;46(2):163-7 (31 ref.) (Eng. Abstr.) **(Fre)**

EPIDEMIOLOGY

The relationship between atopy and cystic fibrosis. Wilmott RW. **Clin Rev Allergy** 1991 Spring-Summer;9(1-2):29-46 (53 ref.)

ETIOLOGY

Interactions between early nutrition and the immune system. Chandra RK. **Ciba Found Symp** 1991;156:77-89; discussion 89-92 (26 ref.)

GENETICS

Genetics of asthma and atopy: an overview. Sibbald B. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:178-81 (11 ref.)

IMMUNOLOGY

The Langerhans cell: an underestimated cell in atopic disease. Fokkens WJ, et al. **Clin Exp Allergy** 1990 Nov;20(6):627-38 (76 ref.)
The IgE response in atopy and infections. Maggi E, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:72-8 (23 ref.)
Dysregulation of IgE responses and airway allergic inflammation in atopic individuals. Ricci M, et al. **Clin Exp Allergy** 1990 Nov;20(6):601-9 (52 ref.)
IgE and immediate hypersensitivity. Tharp MD. **Dermatol Clin** 1990 Oct;8(4):619-31 (165 ref.)
Regulation of the immune response in lymphatic filariasis and onchocerciasis. King CL, et al. **Immunol Today** 1991 Mar;12(3):A54-8 (50 ref.)
Environmental stress and immunity: possible implications for IgE-mediated allergy. Parker CW. **Perspect Biol Med** 1991 Winter;34(2):197-212 (85 ref.)
[The role of maternal body in the development of allergic reactivity in a newborn infant] Kuznetsova AV. **Akush Ginekol (Mosk)** 1991 May;(5):14-5 (26 ref.) **(Rus)**

PHYSIOPATHOLOGY

Airways vasodilatation in the immediate allergic reaction. Involvement of inflammatory mediators and sensory nerves. Alving K. **Acta Physiol Scand Suppl** 1991;597:1-64 (176 ref.)

HYPERSENSITIVITY PNEUMONITIS see **ALVEOLITIS, EXTRINSIC ALLERGIC**

HYPERSOMNIA

DIAGNOSIS

[Kleine-Levin syndrome] Wurthmann C, et al. **Fortschr Neurol Psychiatr** 1991 May;59(5):190-4 (67 ref.) (Eng. Abstr.) **(Ger)**

HYPERSOMNIA WITH PERIODIC RESPIRATION see **SLEEP APNEA SYNDROMES**

HYPERSPLENISM

[Dacie syndrome and other splenomegalies without apparent cause] Aggio MC. **Rev Invest Clin** 1990 Apr-Jun; 42(2):142-4 (31 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

[The pathogenesis of secondary hypersplenism in portal hypertension (a review of the literature)] Kalita NIa, et al. **Vrach Delo** 1990 Nov;(11):60-4 (59 ref.) **(Rus)**

THERAPY

[Correction of secondary hypersplenism in the surgical treatment of portal hypertension] Kalita NIa, et al. **Vestn Khir** 1991 Mar;146(3):137-40 (54 ref.) **(Rus)**

HYPERTELORISM

GENETICS

Iris coloboma, ptosis, hypertelorism, and mental retardation: a new syndrome possibly localised on chromosome 2. Pallotta R. **J Med Genet** 1991 May;28(5):342-4 (7 ref.)
[Frontonasal dysplasia. Case report and review of the literature] Lorenz P, et al. **Kinderarztl Prax** 1990 Aug; 58(8):415-20 (16 ref.) (Eng. Abstr.) **(Ger)**

HYPERTENSINOGEN see **ANGIOTENSINOGEN**

HYPERTENSION

see related
VASCULAR RESISTANCE

Left ventricular mass index and diastolic filling. Relation to blood pressure and demographic variables in a healthy biracial sample. Hinderliter AL, et al. **Am J Hypertens** 1991 Jul;4(7 Pt 1):579-85 (50 ref.)
Diabetes mellitus and hypertension. Hamilton BP. **Am J Kidney Dis** 1990 Oct;16(4 Suppl 1):20-9 (41 ref.)
Prevention and treatment of pregnancy-associated hypertension: what have we learned in the last 10 years? Remuzzi G, et al. **Am J Kidney Dis** 1991 Sep;18(3):285-305 (244 ref.)
Epidemiology, pathophysiology, and management of isolated systolic hypertension in the elderly. Frishman WH. **Am J Med** 1991 Apr 25;90(4B):14S-20S (48 ref.)
National High Blood Pressure Education Program Working Group Report on High Blood Pressure in Pregnancy [see comments] **Am J Obstet Gynecol** 1990 Nov;163(5 Pt 1):1691-712 (132 ref.) Comment in: Am J Obstet Gynecol 1991 Jul;165(1):236-7.
Heart disease in blacks of Africa and the Caribbean. Akinkugbe OO, et al. **Cardiovasc Clin** 1991;21(3):377-91 (47 ref.)
Hypertension in blacks: clinical overview. Hildreth C, et al. **Cardiovasc Clin** 1991;21(3):85-96 (51 ref.)
Hypertensive renal damage. Weir MR, et al. **Cardiovasc Clin** 1991;21(3):115-32 (120 ref.)
Hypertension. Chobanian AV, et al. **Clin Symp** 1990; 42(5):1-32 (14 ref.)
Transgenic rats: new animal models in hypertension research. Invited lecture. Ganten D, et al. **Hypertension** 1991 Jun; 17(6 Pt 2):843-55 (80 ref.)
Recent advances in the diagnosis and treatment of hypertension. Hall WD. **J Med Assoc Ga** 1991 Feb; 80(2):93-4 (6 ref.)
Diagnosis and management of chronic hypertension in pregnancy. Sibai BM. **Obstet Gynecol** 1991 Sep;78(3 (Pt 1)):451-61 (67 ref.)

Hypertension in young patients. Robson WL, et al. **Postgrad Med** 1991 Sep 1;90(3):191–200 (24 ref.)
[Hypertension in the aged person. Numerous questions, few responses] Godin M, et al. **Nephrologie** 1990;11(5):289–91 (22 ref.) (Eng. Abstr.) **(Fre)**
[Arterial hypertension in the aged. Physiopathological and therapeutic considerations] D'Amore F, et al. **Clin Ter** 1991 Jun 30;137(6):415–21 (11 ref.) **(Ita)**
[Genetically hypertensive rats: a model for essential arterial hypertension] Grana DR, et al. **Medicina (B Aires)** 1989; 49(4):379–86 (82 ref.) **(Spa)**

BLOOD

Nonparallel effects of renin inhibitor treatment on plasma renin activity and angiotensins I and II in hypertensive subjects. An assay-related artifact. Derkx FH, et al. **Am J Hypertens** 1991 Jul;4(7 Pt 1):602–9 (26 ref.)
Parathyroid hypertensive factor, a circulating factor in animal and human hypertension. Pang PK, et al. **Am J Hypertens** 1991 May;4(5 Pt 1):472–7 (71 ref.)
Normal serum levels of calcitonin gene-related peptide (CGRP) in mild to moderate essential hypertension. Schifter S, et al. **Am J Hypertens** 1991 Jul;4(7 Pt 1):565–9 (26 ref.)
Blood lead and blood pressure: a cross sectional study in a general population group. Apostoli P, et al. **Cardiologia** 1990 Jul;35(7):597–603 (23 ref.)
Low-renin hypertension of childhood. DiMartino-Nardi J, et al. **Pediatr Nephrol** 1987 Jan;1(1):99–108 (77 ref.)

CHEMICALLY INDUCED

The adverse effects of recombinant human erythropoietin therapy. Wong KC, et al. **Adverse Drug React Acute Poisoning Rev** 1990 Winter; 9(4):183–206 (113 ref.)
Drug-induced hypertension. Lai KN, et al. **Adverse Drug React Toxicol Rev** 1991 Spring;10(1):31–46 (133 ref.)
Mechanism of cyclosporine-induced hypertension. Luke RG. **Am J Hypertens** 1991 May;4(5 Pt 1):468–71 (17 ref.)
Studies of salt intake in hypertension. What can epidemiology teach us? Swales JD. **Am J Hypertens** 1990 Aug;3(8 Pt 1):645–9 (24 ref.)
Salt and hypertension. Lessons from animal models that relate to human hypertension. Tobian L. **Hypertension** 1991 Jan; 17(1 Suppl):I52–8 (25 ref.)
Nonprescription drugs and hypertension. Which ones affect blood pressure? Bradley JG. **Postgrad Med** 1991 May 1; 89(6):195–7, 201–2 (32 ref.)
[Drug-induced arterial hypertension] Dworak N, et al. **Rev Med Suisse Romande** 1990 Dec;110(12):1027–31 (27 ref.) **(Fre)**
[The effect of chronic alcohol consumption on blood pressure] Mohácsi G, et al. **Orv Hetil** 1991 Jan 13; 132(2):63–4, 67–8 (23 ref.) (Eng. Abstr.) **(Hun)**

CLASSIFICATION

[Hypertensive cardiopathy: a new physiopathological and clinical classification] Iriarte Ezkurdia M, et al. **Rev Esp Cardiol** 1991 Mar;44(3):141–52 (44 ref.) **(Spa)**

COMPLICATIONS

Left ventricular hypertrophy in hypertension. Dunn FG, et al. **Am Heart J** 1991 Jul;122(1 (Pt 2)):312–5 (29 ref.)
Hypertension and vascular disease. Doyle AE. **Am J Hypertens** 1991 Feb;4(2 Pt 2):103S–106S (28 ref.)
Discordant nephron function. A pathogenic factor in hypertension and its vascular complications of stroke and heart attack. Laragh JH. **Am J Hypertens** 1991 Jan;4(1 Pt 2):2S–6S (29 ref.)
Microalbuminuria in essential hypertension. Ljungman S. **Am J Hypertens** 1990 Dec;3(12 Pt 1):956–60 (41 ref.)
Metabolic considerations in hypertension. Tuck ML. **Am J Hypertens** 1990 Dec;3(12 Pt 2):355S–365S (142 ref.)
Renal protective effects of angiotensin converting enzyme inhibitors. Weder AB. **Am J Hypertens** 1990 Nov; 3(11):273S–277S (29 ref.)
The role of hypertension in the progression of renal diseases. Campese VM, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):43–7 (59 ref.)
Hypertension and the risk of dementia in the elderly. Forette F, et al. **Am J Med** 1991 Mar;90(3A):14S–19S (86 ref.)
Left ventricular hypertrophy: impact of calcium channel blocker therapy. Messerli FH. **Am J Med** 1991 May 17; 90(5A):27S–31S (46 ref.)
Role of calcium channel blockers in protection against experimental renal injury. Schrier RW. **Am J Med** 1991 May 17;90(5A):21S–26S (15 ref.)
Cardiovascular and metabolic characteristics of hypertension. Weber MA, et al. **Am J Med** 1991 Jul 18;91(1A):4S–10S (55 ref.)
National High Blood Pressure Education Program Working Group report on hypertension and chronic renal failure. **Arch Intern Med** 1991 Jul;151(7):1280–7 (88 ref.)
Hyperlipidaemia and hypertension. Krone W, et al. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):833–50 (90 ref.)
Cardiac remodeling in hypertension and following myocardial infarction: effects of arteriolar vasodilators. Smits JF, et al. **Basic Res Cardiol** 1991;86 Suppl 1:133–9 (40 ref.)
Preoperative evaluation of the cardiac patient for noncardiac surgery. Barash PG. **Can J Anaesth** 1991 May;38(4 Pt 2):R134–44 (41 ref.) **(Eng, Fre)**
Cerebrovascular disease in hypertensive blacks. Cooper ES, et al. **Cardiovasc Clin** 1991;21(3):145–55 (59 ref.)
Hypertensive heart disease in blacks. Gottdiener JS. **Cardiovasc Clin** 1991;21(3):133–43 (55 ref.)
Hypertension in the elderly. Larochelle P. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 5:947–50 (24 ref.)
Obesity, hypertension and stroke. Barrett-Connor E. **Clin Exp Hypertens [A]** 1990;12(5):769–82 (28 ref.)
The association between aneurysm formation and systemic hypertension in Takayasu's arteritis. Sharma S, et al. **Clin Radiol** 1990 Sep;42(3):182–7 (16 ref.)
Essential hypertension and renal failure. Losito A. **Compr Ther** 1991 Feb;17(2):20–5 (11 ref.)
Hypertension and glomerular sclerosis: where, when and how? el Nahas AM. **Contrib Nephrol** 1990;78:61–70; discussion 70–2 (50 ref.)
Hypertension in obesity and NIDDM. Role of insulin and sympathetic nervous system. Daly PA, et al. **Diabetes Care** 1991 Mar;14(3):240–8 (101 ref.)
Autonomic nervous dysfunction in essential hypertension. Julius S. **Diabetes Care** 1991 Mar;14(3):249–59 (71 ref.)
The renally compromised older hypertensive: therapeutic considerations. Weder AB. **Geriatrics** 1991 Feb;46(2):36–8, 43–8 (25 ref.)
Diabetes and hypertension. Mahler RJ. **Horm Metab Res** 1990 Dec;22(12):599–607 (122 ref.)
Hypertension and coronary artery disease. Can the chain be broken? Dunn FG, et al. **Hypertension** 1991 Sep;18(3 Suppl):I126–32 (74 ref.)
Is reversal of left ventricular hypertrophy in hypertension beneficial? Frohlich ED. **Hypertension** 1991 Sep;18(3 Suppl):I133–8 (74 ref.)
Can renal failure due to hypertension be prevented? Luke RG. **Hypertension** 1991 Sep;18(3 Suppl):I139–42 (47 ref.)
Hypertension as a risk factor for renal disease. Review of clinical and epidemiological evidence [see comments] Whelton PK, et al. **Hypertension** 1989 May;13(5 Suppl):I19–27 (37 ref.) Comment in: Hypertension 1989 May;13(5 Suppl):I33–5.
Cardiac hypertrophy due to pressure and volume overload: distinctly different biological phenomena? Rossi MA, et al. **Int J Cardiol** 1991 May;31(2):133–41 (75 ref.)
Effects of coronary artery occlusion in animals with hypertension and left ventricular hypertrophy. Dellsperger KC, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S40–5 (24 ref.)
Signals for cardiac muscle hypertrophy in hypertension. Kent RL, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S7–13 (57 ref.)
Determinants of ventricular arrhythmias in cardiac hypertrophy. McLenachan JM, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S46–9 (30 ref.)
Future directions for randomized trials of cardiovascular disease prevention in hypertensive patients. MacMahon S, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S96–9 (16 ref.)
Changing pattern of cardiovascular disease in the Japanese population in relation to hypertension control programs. Omae T. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S81–2 (9 ref.)
Reversal of left ventricular hypertrophy: a desirable therapeutic goal? Schmieder RE, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 6:S16–22 (54 ref.)
Treatment of hypertensive heart disease with ACE inhibitors. Stumpe KO. **J Cardiovasc Pharmacol** 1987;10 Suppl 6:S166–71 (42 ref.)
Regression of left ventricular hypertrophy in patients with hypertension. Balogun MO, et al. **J Hum Hypertens** 1990 Oct;4 Suppl 4:29–32; discussion 32–4 (33 ref.)
Major risk factors for coronary heart disease in hypertension: implications for management. Poulter NR. **J Hum Hypertens** 1990 Oct;4 Suppl 3:3–6 (38 ref.)
Management of vascular risk factors in the hypertensive patient. Taylor SH. **J Hum Hypertens** 1990 Oct;4 Suppl 3:10–6 (13 ref.)
Smoking and hypertension as predictors of cardiovascular risk in population studies. Kannel WB, et al. **J Hypertens Suppl** 1990 Sep;8(5):S3–8 (11 ref.)
Hypertension first seen as facial paralysis: case reports and review of the literature. Siegler RL, et al. **Pediatrics** 1991 Mar;87(3):387–9 (10 ref.)
[Dynamic left ventricular obstruction increased by nitroglycerin in elderly patients with hypertension and concentric left ventricular hypertrophy] Cohen A, et al. **Arch Mal Coeur** 1990 Jul;83(8):1155–60 (10 ref.) (Eng. Abstr.) **(Fre)**
[Long-term effects of indapamide in left ventricular hypertrophy in patients with hypertension] Komajda M, et al. **Arch Mal Coeur Vaiss** 1990 Dec;83 Spec No 4:45–50 (34 ref.) (Eng. Abstr.) **(Fre)**
[Ventricular arrhythmia in patients with hypertension and left ventricular hypertrophy] Sami MH. **Arch Mal Coeur Vaiss** 1990 Dec;83 Spec No 4:59–62 (19 ref.) (Eng. Abstr.) **(Fre)**
[Coronary effects of left ventricular hypertrophy associated with hypertension] Trimarco B, et al. **Arch Mal Coeur Vaiss** 1990 Dec;83 Spec No 4:63–6 (27 ref.) (Eng. Abstr.) **(Fre)**
[Arterial hypertension, left ventricular hypertrophy and sudden cardiac death] Messerli FH, et al. **Dtsch Med Wochenschr** 1990 Nov 2;115(44):1682–7 (51 ref.) **(Ger)**
[Hypertensive heart disease. Pathophysiological foundation, diagnosis and therapy] Neyses L, et al. **Dtsch Med Wochenschr** 1990 Sep 28;115(39):1480–6 (41 ref.) **(Ger)**
[Hypertension: risk factor—need for treatment?] Kochsiek K, et al. **Verh Dtsch Ges Inn Med** 1990;96:67–77 (21 ref.) **(Ger)**
[Relationship between hypertensive states and perinatal prognosis in abruptio placentae] Nardozza LM, et al. **Rev Paul Med** 1990 Jul-Aug;108(4):165–8 (17 ref.) (Eng. Abstr.) **(Por)**
[Left ventricular hypertrophy in hypertension. Arrhythmias and sudden death] García Robles JA, et al. **An Med Interna** 1989 Oct;6(10):543–6 (41 ref.) **(Spa)**
[Hypertensive crises and emergencies: the concept and initial management] González Ramallo VJ, et al. **An Med Interna** 1990 Aug;7(8):422–7 (43 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Ambulatory blood pressure recordings: a new dimension in arterial hypertension. Clement DL. **Adv Nephrol Necker Hosp** 1991;20:229–36 (18 ref.)
What is blood pressure? O'Rourke MF. **Am J Hypertens** 1990 Oct;3(10):803–10 (36 ref.)
A review of the stability of ambulatory blood pressure: implications for diagnosis of hypertension. Reeves RA. **Clin Invest Med** 1991 Jun;14(3):251–5 (16 ref.)
Should family doctors screen asymptomatic children for high blood pressure? St George IM. **Fam Pract** 1990 Sep; 7(3):219–26 (57 ref.)
Ambulatory blood pressure monitoring: research and clinical applications. Mancia G. **J Hypertens Suppl** 1990 Dec; 8(7):S1–13 (78 ref.)
Non-invasive ambulatory blood pressure monitoring: technical possibilities and problems. Meyer-Sabellek W, et al. **J Hypertens Suppl** 1990 Dec;8(6):S3–10 (56 ref.)
Can ambulatory blood pressure monitoring improve the diagnosis of mild hypertension? Pickering TG. **J Hypertens Suppl** 1990 Dec;8(6):S43–7 (29 ref.)
Current concepts in the diagnosis and management of hypertensive urgencies and emergencies. Ram CV. **Keio J Med** 1990 Dec;39(4):225–36 (77 ref.)
Essential hypertension—investigations and management. Duggin GG, et al. **P N G Med J** 1990 Dec;33(4):295–300 (7 ref.)
Imaging techniques in the evaluation of pediatric hypertension. Siegel MJ, et al. **Pediatr Nephrol** 1987 Jan; 1(1):76–88 (67 ref.)
[Hypertension and hypotension in the newborn infant] Rankova S, et al. **Akush Ginekol (Sofiia)** 1990;29(6):68–72 (10 ref.) **(Bul)**
[Hypertension consensus in The Netherlands] Struyvenberg A. **Ned Tijdschr Geneeskd** 1990 Oct 27;134(43):2086–93 (10 ref.) (Eng. Abstr.) **(Dut)**
[Ambulatory 24-hour blood pressure monitoring] Wehling M, et al. **Dtsch Med Wochenschr** 1990 Dec 21; 115(51–52):1960–2 (10 ref.) **(Ger)**
[Acute diagnosis and therapy in hypertensive emergencies, pre-eclampsia and eclampsia] Kaulhausen H. **Gynakologe** 1991 Jun;24(3):146–50 (24 ref.) **(Ger)**
[Has general practice measurement of blood pressure become obsolete?] Mengden T, et al. **Internist (Berl)** 1991 Mar; 32(3):111–8 (50 ref.) **(Ger)**
[The significance of 24-hour blood pressure monitoring in the diagnosis and therapy of arterial hypertension] Schrader J, et al. **Klin Wochenschr** 1990 Nov 16;68(22):1119–26 (54 ref.) (Eng. Abstr.) **(Ger)**
[Sources of error in the diagnosis and therapy of hypertension] Greminger P, et al. **Schweiz Med Wochenschr** 1991 May 11;121(19):677–82 (37 ref.) (Eng. Abstr.) **(Ger)**
[Long-term ambulatory blood pressure monitoring: what is normal?] Baumgart P. **Z Kardiol** 1991;80 Suppl 1:29–32 (21 ref.) (Eng. Abstr.) **(Ger)**
[Development of direct and indirect ambulatory 24-hour blood pressure monitoring] Krönig B. **Z Kardiol** 1991;80 Suppl 1:9–15 (39 ref.) (Eng. Abstr.) **(Ger)**
[Technical possibilities and limits of ambulatory 24-hour blood pressure measurement] Meyer-Sabellek W, et al. **Z Kardiol** 1991;80 Suppl 1:1–7 (48 ref.) (Eng. Abstr.) **(Ger)**
[Value of ambulatory 24-hour blood pressure monitoring in diagnosis of mild hypertension] Middeke M, et al. **Z Kardiol** 1991;80 Suppl 1:17–20 (9 ref.) (Eng. Abstr.) **(Ger)**
[Importance of 24-hour blood pressure monitoring in detection of hypertension-induced end organ damage] Schächinger H, et al. **Z Kardiol** 1991;80 Suppl 1:41–7 (67 ref.) (Eng. Abstr.) **(Ger)**
[Detection of cardiac risk in hypertensive patients with left heart hypertrophy] Schulte KL, et al. **Z Kardiol** 1991;80 Suppl 1:37–40 (38 ref.) (Eng. Abstr.) **(Ger)**
[Ambulatory blood pressure monitoring vs. blood pressure self monitoring] Vetter W, et al. **Z Kardiol** 1991;80 Suppl 1:49–51 (22 ref.) (Eng. Abstr.) **(Ger)**
[Arterial hypertension in pregnant women] Halawa B. **Pol Tyg Lek** 1990 Mar 10–26;45(12–13):265–9 (34 ref.) **(Pol)**

[Automatic measurement of arterial pressure. A new method for analysis, quantification and evaluation of hypertensive disease] Boaventura I, et al. **Rev Port Cardiol** 1990 Sep; 9(9):721–6 (42 ref.) (Eng. Abstr.) **(Por)**

[Long-term monitoring of blood pressure] Zharov EI, et al. **Kardiologiia** 1990 Jun;30(6):118–22 (42 ref.) **(Rus)**

DIET THERAPY

Energy restriction or salt restriction in the treatment of overweight hypertension. Which one? A point of view. Eliahou HE, et al. **Clin Exp Hypertens [A]** 1990; 12(5):795–802 (28 ref.)

Dietary modification in the treatment of hypertension. Corrigan SA, et al. **Compr Ther** 1991 Mar;17(3):41–6 (16 ref.)

An overview of randomized trials of sodium reduction and blood pressure [see comments] Cutler JA, et al. **Hypertension** 1991 Jan;17(1 Suppl):I27–33 (49 ref.) Comment in: Hypertension 1991 Jan;17(1 Suppl):I34–5.

Nonpharmacological therapy of hypertension. Commentary on diet and blood pressure. Langford HG. **Hypertension** 1989 May;13(5 Suppl):I98–102 (25 ref.)

Nutritional therapy with regard to weight reduction in diabetes and hypertension. Dodson PM, et al. **J Diabetic Complications** 1990 Apr–Jun;4(2):91–3 (11 ref.)

Hypotensive effects of omega 3 fatty acids: mechanistic aspects. Knapp HR. **World Rev Nutr Diet** 1991;66:313–28 (79 ref.)

Blood pressure–lowering effect of omega 3 polyunsaturated fatty acids in clinical studies. Singer P. **World Rev Nutr Diet** 1991;66:329–48 (48 ref.)

DRUG THERAPY

Quality of life during treatment of hypertensive patients with diuretics. Van Hoof R, et al. **Acta Cardiol** 1990; 45(5):393–401 (18 ref.)

Caring for older patients with high blood pressure. Burris JF. **Am Fam Physician** 1991 Jul;44(1):137–44 (24 ref.)

Metabolic considerations in the choice of therapy for the patient with hypertension. Black HR. **Am Heart J** 1991 Feb;121(2 (Pt 2)):707–15 (74 ref.)

Improving compliance and increasing control of hypertension: needs of special hypertensive populations. Clark LT. **Am Heart J** 1991 Feb;121(2 (Pt 2)):664–9 (45 ref.)

Doxazosin therapy in the treatment of diabetic hypertension. Feher MD. **Am Heart J** 1991 Apr;121(4 (Pt 2)):1294–301 (50 ref.)

Antihypertensive therapy: taking lipids into consideration. Grimm RH Jr. **Am Heart J** 1991 Sep;122(3 (Pt 2)):910–8 (51 ref.)

Calcium antagonists: an overview. Hansson L. **Am Heart J** 1991 Jul;122(1 (Pt 2)):308–11 (32 ref.)

Clinical benefits of structural and functional changes with calcium antagonists. O'Malley K, et al. **Am Heart J** 1991 Jul;122(1 (Pt 2)):370–4 (23 ref.)

Effects of doxazosin on serum lipids: a review of the clinical data and molecular basis for altered lipid metabolism. Pool JL. **Am Heart J** 1991 Jan;121(1 (Pt 2)):251–9; discussion 259–60 (70 ref.)

Combination antihypertensive therapy with terazosin and other antihypertensive agents: results of clinical trials. Pool JL. **Am Heart J** 1991 Sep;122(3 (Pt 2)):926–31 (17 ref.)

Management of hypertensive emergencies: changing therapeutic options. Ram CV. **Am Heart J** 1991 Jul;122(1 (Pt 2)):356–63 (35 ref.)

The safety and efficacy of terazosin in the treatment of essential hypertension in blacks. Saunders E. **Am Heart J** 1991 Sep;122(3 (Pt 2)):936–42 (14 ref.)

Efficacy of doxazosin in specific hypertensive patient groups. Taylor SH. **Am Heart J** 1991 Jan;121(1 (Pt 2)):286–92 (30 ref.)

Review of state-of-the-art beta-blocker therapy. Hansson L. **Am J Cardiol** 1991 Apr 22;67(10):43B–46B (32 ref.)

Clinical experience with bopindolol: summary of poster presentations. Ikeda M, et al. **Am J Cardiol** 1991 Apr 22; 67(10):47B–50B (0 ref.)

Arterial protection: a neglected but crucial therapeutic goal. Kaplan NM. **Am J Cardiol** 1990 Sep 25;66(9):36C–38C (17 ref.)

Effects of long-term verapamil therapy on serum lipids and other metabolic parameters. Midtbø KA. **Am J Cardiol** 1990 Dec 18;66(21):131–151 (27 ref.)

Documentation of the effective length of action of antihypertensive treatment. Weber MA. **Am J Cardiol** 1990 Sep 25;66(9):43C–48C (6 ref.)

Therapeutic considerations in the elderly hypertensive. The role of calcium channel blockers. Black HR. **Am J Hypertens** 1990 Dec;3(12 Pt 2):347S–354S (95 ref.)

Shortcomings of current antihypertensive therapy. Hansson L. **Am J Hypertens** 1991 Feb;4(2 Pt 2):84S–87S (18 ref.)

New angiotensin converting enzyme inhibitors. Their role in the management of hypertension. Laragh JH. **Am J Hypertens** 1990 Nov;3(11):257S–265S (34 ref.)

The place of isradipine in the treatment of hypertension. Man in't Veld AJ. **Am J Hypertens** 1991 Feb;4(2 Pt 2):96S–102S (32 ref.)

From the parallel group design to the crossover design, and from the group approach to the individual approach. Ménard J, et al. **Am J Hypertens** 1990 Oct;3(10):815–9 (34 ref.)

Isradipine: overall clinical experience in hypertension in the United States. Miller H. **Am J Hypertens** 1991 Feb;4(2 Pt 2):135S–139S (7 ref.)

Converting enzyme inhibitors and renal function in essential and renovascular hypertension. Mimran A, et al. **Am J Hypertens** 1991 Jan;4(1 Pt 2):7S–14S (31 ref.)

Use of quinapril in the elderly patient. Schnaper HW. **Am J Hypertens** 1990 Nov;3(11):278S–282S (11 ref.)

The European Working Party on High Blood Pressure in the Elderly. Amery A, et al. **Am J Med** 1991 Mar; 90(3A):1S–4S (35 ref.)

Workshop II—Hypertension trials and meta-analyses: is there any value for further studies? Grimm RH Jr, et al. **Am J Med** 1991 Feb 21;90(2A):24S–25S (0 ref.)

Nonsteroidal anti-inflammatory drugs and antihypertensives. Houston MC. **Am J Med** 1991 May 17;90(5A):42S–47S (38 ref.)

Choice of drug treatment for elderly hypertensive patients. O'Malley K, et al. **Am J Med** 1991 Mar;90(3A):27S–33S (136 ref.)

The relationship of sodium balance and concomitant diuretic therapy to blood pressure response with calcium channel entry blockers. Weinberger MH. **Am J Med** 1991 May 17; 90(5A):15S–20S (35 ref.)

Therapeutic benefits of calcium channel blockers in cyclosporine-treated organ transplant recipients: blood pressure control and immunosuppression. Weir MR. **Am J Med** 1991 May 17;90(5A):32S–36S (27 ref.)

Impact of age, race, and obesity on hypertensive mechanisms and therapy. Weir MR. **Am J Med** 1991 May 17; 90(5A):3S–14S (128 ref.)

Indapamide: a diuretic of choice for the treatment of hypertension? Clarke RJ. **Am J Med Sci** 1991 Mar; 301(3):215–20 (39 ref.)

Antihypertensive therapy and atherosclerosis. Horan MJ. **Am J Med Sci** 1991 Jun;301(6):402–5 (31 ref.)

An assault on old friends: thiazide diuretics under siege. Thompson WG. **Am J Med Sci** 1990 Sep;300(3):152–8; discussion 159–62 (70 ref.)

ACE inhibitors in the elderly. Posvar EL, et al. **Angiology** 1991 May;42(5):387–96 (16 ref.)

Optimising drug management of individuals with cryptogenic hypertension. Oh VM. **Ann Acad Med Singapore** 1991 Jan; 20(1):150–60 (55 ref.)

Hypertension in women: what is really known? The Women's Caucus, Working Group on Women's Health of the Society of General Internal Medicine. Anastos K, et al. **Ann Intern Med** 1991 Aug 15;115(4):287–93 (42 ref.)

Pathophysiology and management of hypertension in diabetes. Tuck ML, et al. **Annu Rev Med** 1991;42:533–48 (89 ref.)

The role of calcium channel blockers in the treatment of essential hypertension. Cummings DM, et al. **Arch Intern Med** 1991 Feb;151(2):250–9 (176 ref.)

Use of centrally acting sympatholytic agents in the management of hypertension. Oster JR, et al. **Arch Intern Med** 1991 Aug;151(8):1638–44 (63 ref.)

Sympatholytic drugs and cardiac remodelling in human and experimental arterial hypertension. Rorive G, et al. **Basic Res Cardiol** 1991;86 Suppl 1:141–8 (31 ref.)

The heart (ventricle and atrium) is the heart of hypertension, not blood pressure. Gubner RS. **Can J Cardiol** 1990 Oct; 6(8):367–72 (27 ref.)

Medical therapy of the hypertensive patient with concomitant angina pectoris. Lazar EJ, et al. **Cardiol Clin** 1991 Feb;9(1):167–76 (80 ref.)

Treatment of hypertension in the elderly. Birkenhäger WH, et al. **Cardiovasc Drugs Ther** 1988 Sep;2(3):275–9 (11 ref.)

Age-related changes in autonomic control: the use of beta blockers in the treatment of hypertension. Collins KJ. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1257–62 (43 ref.)

Key factors in the treatment of the elderly hypertensive. Dall JL. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1263–8 (11 ref.)

Angiotensin converting enzyme inhibition and vascular hypertrophy in hypertension. Gibbons GH, et al. **Cardiovasc Drugs Ther** 1990 Feb;4(1):237–42 (45 ref.)

Use of nifedipine in hypertension and Raynaud's phenomenon. Kiowski W, et al. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 5:935–40 (30 ref.)

Evaluation of celiprolol, a new cardioselective beta 1-adrenergic blocker with vasodilating properties, in the treatment of mild to moderate hypertension in the elderly. Lamon KD. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1291–5 (30 ref.)

Newer beta blockers and the treatment of hypertension. McAreavey D, et al. **Cardiovasc Drugs Ther** 1991 Jun; 5(3):577–87 (124 ref.)

The efficacy of beta-adrenoceptor and calcium-entry blockers in hypertensive blacks. M'Buyamba-Kabangu JR, et al. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:389–94 (63 ref.)

Nifedipine and hypertension: roles of vasodilation and sodium balance. MacGregor GA. **Cardiovasc Drugs Ther** 1989 Jun; 3 Suppl 1:295–301 (30 ref.)

Efficacy of celiprolol in hypertension and angina pectoris. Introduction. Norris RJ. **Cardiovasc Drugs Ther** 1991 Jan; 4 Suppl 6:1195–6 (26 ref.)

Further learnings from the European Working Party on High Blood Pressure in the Elderly (EWPHE) study: focus on systolic hypertension. O'Malley K, et al. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1249–51 (12 ref.)

Role of vasodilation in the antihypertensive and antianginal effects of labetalol: implications for therapy of combined hypertension and angina. Opie LH. **Cardiovasc Drugs Ther** 1988 Sep;2(3):369–76 (57 ref.)

Calcium channel antagonists. Part III: Use and comparative efficacy in hypertension and supraventricular arrhythmias. Minor indications. Opie LH. **Cardiovasc Drugs Ther** 1988 Mar;1(6):625–56 (225 ref.)

ACE inhibitors compared with thiazide diuretics as first-step antihypertensive therapy. Perry IJ, et al. **Cardiovasc Drugs Ther** 1989 Dec;3(6):815–9 (26 ref.)

Treatment of hypertension based on both systolic and diastolic pressure could influence the cost of therapy. Safar M. **Cardiovasc Drugs Ther** 1989 Dec;3(6):841–5 (22 ref.)

Nifedipine interactions in hypertensive patients. Salvetti A, et al. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 5:963–8 (47 ref.)

When is discontinuation of antihypertensive therapy indicated? Schmieder RE, et al. **Cardiovasc Drugs Ther** 1990 Dec;4(6):1487–94 (60 ref.)

Combination therapy with calcium-entry blockers and beta-adrenoceptor antagonists in hypertension. Sever P. **Cardiovasc Drugs Ther** 1989 Jun;3 Suppl 1:327–32 (22 ref.)

Review of the major hypertension trials in the elderly. Staessen J, et al. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1237–47 (20 ref.)

Angiotensin converting enzyme inhibitors in the treatment of hypertension: efficacy, metabolic effects and side effects. Weinberger MH. **Cardiovasc Drugs Ther** 1987;1(1):9–13 (24 ref.)

The role of adrenergic drugs in antihypertensive therapy. Itskovitz HD. **Cleve Clin J Med** 1991 Jan–Feb;58(1):79–93 (26 ref.)

Isradipine in the treatment of hypertension: a clinical profile. Vidt DG. **Cleve Clin J Med** 1990 Nov–Dec;57(8):677–84 (44 ref.)

Tailoring antihypertensive therapy in 1991. Vidt DG. **Cleve Clin J Med** 1991 May–Jun;58(3):277–84 (26 ref.)

Well-being (quality of life) in connection with hypertensive treatment. Dahlöf C. **Clin Cardiol** 1991 Feb;14(2):97–103 (31 ref.)

Comparison of benazepril and other antihypertensive agents alone and in combination with the diuretic hydrochlorothiazide. DeQuattro V. **Clin Cardiol** 1991 Aug; 14(8 Suppl 4):IV28–32; discussion IV51–5 (9 ref.)

Cardioprotective potential of angiotensin-converting enzyme inhibitors. Gavras I, et al. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV68–71; discussion IV83–90 (33 ref.)

Dose-response studies with benazepril in mild to moderate hypertension. Gomez HJ. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV22–7; discussion IV51–5 (16 ref.)

Hypertension and vascular disease in the 1990s. Gorlin R. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV1–5; discussion IV51–5 (12 ref.)

Safety profile of benazepril in essential hypertension. MacNab M, et al. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV33–7; discussion IV51–5 (9 ref.)

Alpha-adrenergic blockers: mechanism of action, blood pressure control, and effects of lipoprotein metabolism. Nash DT. **Clin Cardiol** 1990 Nov;13(11):764–72 (40 ref.)

The use of benazepril in hypertensive patients age 55 and over. Smith WM, et al. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV79–82; discussion IV83–90 (10 ref.)

Treatment considerations for the hypertensive patient over age 55. Tifft CP. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV72–8; discussion IV83–90 (70 ref.)

Measuring the adverse effects of unnecessary hypertension drug therapy: QALYs vs HYE. Gafni A. **Clin Invest Med** 1991 Jun;14(3):266–70 (12 ref.)

Assessment of antihypertensive treatment by ambulatory blood pressure monitoring. Lacourcière Y. **Clin Invest Med** 1991 Jun;14(3):260–5 (30 ref.)

Treatment of hypertension: is reduction of blood pressure enough? [see comments] Lopez LM. **Clin Pharm** 1990 Nov; 9(11):876–81 (48 ref.) Comment in: Clin Pharm 1991 May;10(5):333.

Angiotensin-converting enzyme inhibition in renal and hypertensive disorders. Götz R, et al. **Clin Physiol Biochem** 1990;8 Suppl 1:25–32 (50 ref.)

Angiotensin-converting enzyme inhibition in patients with essential hypertension. Kramer HJ, et al. **Clin Physiol Biochem** 1990;8 Suppl 1:16–24 (22 ref.)

Mode of action of beta-adrenergic blocking drugs in hypertension. Prichard BN, et al. **Clin Physiol Biochem** 1990;8 Suppl 2:1–10 (63 ref.)

Factors determining the response to angiotensin-converting enzyme inhibitors in hypertension. Reid JL, et al. **Clin Physiol Biochem** 1990;8 Suppl 1:1–5 (15 ref.)

Drug treatment of hypertension in patients with diabetes mellitus. Stein PP, et al. **Diabetes Care** 1991 Jun; 14(6):425–48 (261 ref.)

Quinapril: a new second-generation ACE inhibitor. Cetnarowski-Cropp AB. **DICP** 1991 May;25(5):499–504 (49 ref.)

Quality of life as a therapeutic end-point. An analysis of therapeutic trials in hypertension. Hollenberg NK, et al. **Drug Saf** 1991 Mar–Apr;6(2):83–93 (64 ref.)

Low dose loop diuretics in essential hypertension. Experience with torasemide. Achhammer I, et al. **Drugs** 1991;41 Suppl 3:80–91 (51 ref.)

Ketanserin. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in

hypertension and peripheral vascular disease. Brogden RN, et al. **Drugs** 1990 Dec;40(6):903–49 (344 ref.)

Cilazapril. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in cardiovascular disease. Deget F, et al. **Drugs** 1991 May; 41(5):799–820 (115 ref.)

Isradipine in hypertension. Hansson L. **Drugs** 1990;40 Suppl 2:10–4 (27 ref.)

Bopindolol. A review of its pharmacodynamic and pharmacokinetic properties and therapeutic efficacy [published erratum appears in Drugs 1991 Feb;41(2):192] Harron DW, et al. **Drugs** 1991 Jan;41(1):130–49 (81 ref.)

New dopamine receptor agonists in heart failure and hypertension. Implications for future therapy. Horn PT, et al. **Drugs** 1990 Oct;40(4):487–92 (40 ref.)

Angiotensin converting enzyme inhibitors and moderate hypertension. McAreavey D, et al. **Drugs** 1990 Sep; 40(3):326–45 (208 ref.)

Cadralazine. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in the treatment of hypertension. McTavish D, et al. **Drugs** 1990 Oct;40(4):543–60 (57 ref.)

Celiprolol. An updated review of its pharmacodynamic and pharmacokinetic properties, and therapeutic efficacy in cardiovascular disease. Milne RJ, et al. **Drugs** 1991 Jun; 41(6):941–69 (136 ref.)

Cardiac volume load as a determinant of the response of cardiac mass to antihypertensive therapy. Leenen FH, et al. **Eur Heart J** 1990 Nov;11 Suppl G:100–6 (22 ref.)

Calcium channel blockers in geriatric hypertension. Vidt DG, et al. **Geriatrics** 1991 Jan;46(1):28–30, 33–4, 36–8 (37 ref.)

Effect of risk status on treatment criteria. Implications of hypertension trials. Browner WS, et al. **Hypertension** 1989 May;13(5 Suppl):I51–6 (12 ref.)

Controlled clinical trials of drug treatment for hypertension. A review. Cutler JA, et al. **Hypertension** 1989 May;13(5 Suppl):I36–44 (36 ref.)

Diuretic agents and beta-blockers in the treatment of hypertension. Dollery C. **Hypertension** 1989 May;13(5 Suppl):I62–5 (24 ref.)

Calcium channel blockers. Potential medical benefits and side effects. Dustan HP. **Hypertension** 1989 May;13(5 Suppl):I137–40 (17 ref.)

Angiotensin converting enzyme inhibitors. Present and future. Frohlich ED. **Hypertension** 1989 May;13(5 Suppl):I125–30 (54 ref.)

Traditional first-line therapy. Overview of medical benefits and side effects. Gifford RW Jr, et al. **Hypertension** 1989 May;13(5 Suppl):I119–24 (43 ref.)

alpha 1-antagonists in the treatment of hypertension. Grimm RH Jr. **Hypertension** 1989 May;13(5 Suppl):I131–6 (47 ref.)

Implications for research and policy in the treatment of hypertension. Medical considerations. Horan MJ. **Hypertension** 1989 May;13(5 Suppl):I164–6 (15 ref.)

Issues, goals, and guidelines in selecting first-line drug therapy for hypertension. Laragh JH. **Hypertension** 1989 May;13(5 Suppl):I103–12 (48 ref.)

Antihypertensive drug treatment. Potential, expected, and observed effects on stroke and on coronary heart disease. MacMahon S, et al. **Hypertension** 1989 May;13(5 Suppl):I45–50 (27 ref.)

Are some antihypertensive therapies more efficacious than others in preventing complications and prolonging life? Tifft CP, et al. **Hypertension** 1991 Sep;18(3 Suppl):I146–52 (35 ref.)

Alternatives to traditional first-line antihypertensive treatment: unresolved questions and therapeutic dilemmas. A personal approach. Zusman RM. **Hypertension** 1989 May;13(5 Suppl):I154–7 (22 ref.)

Combination antihypertensive therapy: rational selection. Nickey WA. **J Am Osteopath Assoc** 1990 Dec; 90(12):1085–91 (36 ref.)

Treatment of hypertension with ACE inhibitors as first step: pharmacologic and clinical considerations. Brunner HR, et al. **J Cardiovasc Pharmacol** 1987;10 Suppl 7:S36–42 (56 ref.)

Sustained-release diltiazem and prevention of cardiovascular risk in hypertensive patients. Djian J. **J Cardiovasc Pharmacol** 1990;16 Suppl 1:S20–7 (30 ref.)

Regression of cardiac hypertrophy and left ventricular pumping ability postregression. Frohlich ED. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S81–6 (52 ref.)

Effects of different antihypertensive drug classes on survival in animal models. Knorr A, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S94–100 (28 ref.)

Antihypertensive drugs and cardiac trophic mechanisms. Leenen FH, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S50–7 (57 ref.)

Treatment of hypertension in pregnancy. Lubbe WF. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S110–3 (10 ref.)

Resistance vessel structure: effects of treatment. Mulvany MJ. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S58–63 (38 ref.)

Antihypertensive therapy: achievements, failures, and prospects. Robertson JI. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S102–4 (19 ref.)

Converting enzyme inhibitors in the treatment of hypertension. Robertson JI, et al. **J Cardiovasc Pharmacol** 1987;10 Suppl 7:S43–8 (27 ref.)

Fallacies in the interpretation of the large-scale trials of treatment of mild to moderate hypertension. Simpson FO. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S92–5 (37 ref.)

Optimum drug treatment in hypertension. Stokes GS. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S105–7 (10 ref.)

Insulin sensitivity and blood lipids during antihypertensive treatment with special reference to ACE inhibition. Pollare T. **J Diabetic Complications** 1990 Apr-Jun;4(2):75–8 (20 ref.)

Diabetes and ACE inhibitors. Boulton AJ, et al. **J Hum Hypertens** 1990 Oct;4 Suppl 4:63–6; discussion 66–7 (24 ref.)

Efficacy and tolerance of doxazosin: a review. Brown MJ. **J Hum Hypertens** 1990 Oct;4 Suppl 3:34–8 (11 ref.)

The measurement of quality of life in evaluating ACE inhibitors. Fletcher AE, et al. **J Hum Hypertens** 1990 Oct; 4 Suppl 4:45–9; discussion 49–50 (31 ref.)

Considerations in treating hypertension: focus on risk factors. Messerli FH. **J Hum Hypertens** 1990 Dec;4 Suppl 5:3–6 (22 ref.)

Do angiotensin-converting enzyme inhibitors work in black hypertensives? A review. Parag KB, et al. **J Hum Hypertens** 1990 Aug;4(4):450–2 (14 ref.)

The role of ACE inhibitors in the management of hypertension. Ramsay LE, et al. **J Hum Hypertens** 1990 Oct;4 Suppl 4:1–4; discussion 4–5 (28 ref.)

The differential efficacy of antihypertensive agents in the elderly. Tuck M, et al. **J Hum Hypertens** 1990 Aug; 4(4):415–20 (25 ref.)

Use of crossover trials to obtain antihypertensive dose-response curves and to study combination therapy during the development of benazepril. Bellet M, et al. **J Hypertens Suppl** 1990 Sep;8(4):S43–8 (22 ref.)

Diuretics and blood pressure reduction: physiologic aspects. Birkenhäger WH. **J Hypertens Suppl** 1990 Jun;8(2):S3–7 (35 ref.)

Various approaches to blockade of the renin-angiotensin system: persistent renin response. Brunner HR, et al. **J Hypertens Suppl** 1990 Dec;8(7):S149–53 (30 ref.)

Diuretics for elderly patients. Evans JG. **J Hypertens Suppl** 1990 Jun;8(2):S33–7 (23 ref.)

The cardiotoxicity of thiazide diuretics: review of the evidence. Freis ED. **J Hypertens Suppl** 1990 Jun; 8(2):S23–32 (64 ref.)

Long-term clinical trials in hypertension. Gifford RW Jr. **J Hypertens Suppl** 1990 Jun;8(2):S17–22 (23 ref.)

Clinical trials in hypertension: the present and perspectives for the future. Kitler ME. **J Hypertens Suppl** 1990 Sep; 8(4):S3–9 (89 ref.)

Antihypertensive medications: relative effectiveness and adverse reactions. Moser M. **J Hypertens Suppl** 1990 Jun; 8(2):S9–16 (39 ref.)

Comparative studies in hypertension: some fallacious claims of age-related drug efficacy. Robertson JI. **J Hypertens Suppl** 1990 Sep;8(4):S59–61 (14 ref.)

Evaluation of pharmacotherapy by indirect ambulatory blood pressure monitoring in short- and long-term studies: review of the literature. Schulte KL, et al. **J Hypertens Suppl** 1990 Dec;8(6):S101–4 (31 ref.)

Intervention trials in elderly hypertensive patients: a review. Staessen J, et al. **J Hypertens Suppl** 1990 Sep;8(4):S63–7 (11 ref.)

Ambulatory blood pressure monitoring in clinical trials. Staessen J, et al. **J Hypertens Suppl** 1991 Jan;9(1):S13–9 (66 ref.)

Ambulatory twenty-four-hour blood pressure measurements in pharmacological studies. Weisser B, et al. **J Hypertens Suppl** 1990 Dec;8(6):S87–92 (44 ref.)

Analysis of ambulatory blood pressure data in antihypertensive drug trials. White WB. **J Hypertens Suppl** 1991 Jan;9(1):S27–32 (16 ref.)

Metabolic adverse effects of thiazide diuretics: the importance of normokalaemia. Andersson OK, et al. **J Intern Med Suppl** 1991;735:89–96 (60 ref.)

Metabolic effects of ACE inhibitors. Berne C. **J Intern Med Suppl** 1991;735:119–25 (48 ref.)

Effects of antihypertensive therapy on glucose tolerance: focus on calcium antagonists. Hedner T, et al. **J Intern Med Suppl** 1991;735:101–11 (87 ref.)

Metabolic effects of antihypertensive treatment with beta-blockers. Sawicki PT, et al. **J Intern Med Suppl** 1991; 735:97–9 (33 ref.)

Alpha 1 blockers: antihypertensives whose positive metabolic profile with regard to hyperinsulinaemia and lipid metabolism cannot be ignored. Waite MA. **J Intern Med Suppl** 1991;735:113–7 (50 ref.)

Management of hypertensive crises. Gifford RW Jr. **JAMA** 1991 Aug 14;266(6):829–35 (52 ref.)

Alpha-blocker therapy of hypertension. An unfulfilled promise. Khoury AF, et al. **JAMA** 1991 Jul 17;266(3):394–8 (61 ref.)

Antihypertensive therapy. To stop or not to stop? Schmieder RE, et al. **JAMA** 1991 Mar 27;265(12):1566–71 (80 ref.)

Pharmacology of the nitrovasodilators. Antianginal, antihypertensive, and antiplatelet actions. Gold ME. **Nurs Clin North Am** 1991 Jun;26(2):437–50 (43 ref.)

Multiple drug therapy in the treatment of essential hypertension. Hockenberry B. **Nurs Clin North Am** 1991 Jun;26(2):417–36 (36 ref.)

The treatment of mild to moderate hypertension in patients with diabetes mellitus. Collins JW. **Nurse Pract** 1991 Jun; 16(6):28–30, 35–9, 43 (71 ref.)

Cardiovascular drugs in children. II. Angiotensin-converting enzyme inhibitors in pediatric patients. Schneeweiss A. **Pediatr Cardiol** 1990 Oct;11(4):199–207 (53 ref.)

Hypertension in the elderly: conventional wisdom revisited. Lopez LM. **Pharmacotherapy** 1991;11(3):225–36 (109 ref.)

Alpha 1 blockers. Safe, effective treatment for hypertension. Itskovitz HD. **Postgrad Med** 1991 Jun;89(8):89–92, 95–8, 103–6, passim (86 ref.)

Newer antihypertensive agents. Rey AM, et al. **Postgrad Med** 1991 Apr;89(5):75–81, 84, 89 (42 ref.)

Control of hypertensive emergencies [see comments] Smith CB, et al. **Postgrad Med** 1991 Apr;89(5):111–6, 119 (9 ref.) Comment in: Postgrad Med 1991 Jun;89(8):39.

Angiotensin-converting enzyme inhibitors in pregnancy may result in neonatal renal failure. Hulton SA, et al. **S Afr Med J** 1990 Dec 1;78(11):673–6 (29 ref.)

Quality of life/subjective symptoms during beta-blocker treatment. Dahlöf C. **Scand J Prim Health Care** 1990;Suppl 1:73–80 (65 ref.)

ACE-inhibitors and quality of life. Herlitz H. **Scand J Prim Health Care** 1990;Suppl 1:85–8 (15 ref.)

Quality of life/subjective symptoms during beta-blocker treatment. Dahlöf C. **Scand J Prim Health Care Suppl** 1990; 1:73–80 (67 ref.)

ACE-inhibitors and quality of life. Herlitz H. **Scand J Prim Health Care Suppl** 1990;1:85–8 (15 ref.)

The evolution of antihypertensive therapy. Kawachi I, et al. **Soc Sci Med** 1990;31(11):1239–43 (46 ref.)

Management of mild hypertension. Selecting an antihypertensive regimen. Pérez-Stable EJ. **West J Med** 1991 Jan;154(1):78–87 (81 ref.)

[New findings on the use of specific alpha-1 adrenergic blockers in the treatment of high blood pressure] Horký K. **Vnitr Lek** 1991 Jun;37(6):604–11 (50 ref.) (Eng. Abstr.) **(Cze)**

[Treatment of hypertension in general practice, consequences of therapeutic changes. A multipractice study of the therapeutic patterns, blood pressure control, drug administration schedule and incidence of side effects] Jensen HA, et al. **Ugeskr Laeger** 1991 Apr 22; 153(17):1204–7 (6 ref.) (Eng. Abstr.) **(Dan)**

[Conversion enzyme inhibitors in the treatment of elderly hypertension patients] Amery A. **Verh K Acad Geneeskd Belg** 1991;53(2):163–85; discussion 185–6 (56 ref.) (Eng. Abstr.) **(Dut)**

[Evaluation of labetalol in general medicine in aged patients with hypertension. Compliance, efficacy and safety in long-term treatment] Hugonot R, et al. **Ann Cardiol Angeiol (Paris)** 1990 Nov;39(9):547–53 (54 ref.) (Eng. Abstr.) **(Fre)**

[Converting enzyme inhibitors in arterial hypertension] Mimran A. **Ann Cardiol Angeiol (Paris)** 1991 Jun; 40(6):351–7 (18 ref.) **(Fre)**

[Clonidine: from the treatment of hypertension to its use in anesthesia. II: Perioperative use] Bernard JM, et al. **Ann Fr Anesth Reanim** 1990;9(5):423–32 (71 ref.) **(Fre)**

[Calcium channel blockers in the elderly with hypertension (published erratum appears in Presse Med 1991 May 25;20(20):962)] M'Buyamba Kabangu JR, et al. **Presse Med** 1991 Apr 13;20(14):652–7 (51 ref.) (Eng. Abstr.) **(Fre)**

[Drug combinations in the treatment of arterial hypertension] Collart F. **Rev Med Brux** 1990 Dec;11(10):493–502 (50 ref.) (Eng. Abstr.) **(Fre)**

[Diabetes mellitus and hypertension: calcium antagonists or ACE inhibitors?] Jungmann E. **Dtsch Med Wochenschr** 1991 May 31;116(22):859–62 (15 ref.) **(Ger)**

[Organ protection and regression of hypertension by calcium antagonists] Michel D. **Fortschr Med** 1991 Feb 20; 109(5):125–8 (24 ref.) (Eng. Abstr.) **(Ger)**

[When and how much should blood pressure be lowered?] Distler A. **Internist (Berl)** 1991 Mar;32(3):144–9 (41 ref.) **(Ger)**

[Hypertension. Individualized treatment as a new therapy concept] Düsing R, et al. **Internist (Berl)** 1991 Mar; 32(3):135–8 (11 ref.) **(Ger)**

[Clinical applications of ACE inhibitors] Greminger P, et al. **Internist (Berl)** 1991 Mar;32(3):139–43 (39 ref.) **(Ger)**

[ACE inhibition: mechanisms of cardioprotection in heart hypertrophy] Motz W, et al. **Klin Wochenschr** 1991;69 Suppl 24:39–43; discussion 43–4 (37 ref.) (Eng. Abstr.) **(Ger)**

[Hypertension in the old age: how to treat it?] Huss R, et al. **Schweiz Rundsch Med Prax** 1991 Jun 18;80(25):696–700 (34 ref.) (Eng. Abstr.) **(Ger)**

[Antihypertensive therapy and prevention of hypertensive complications] Kiowski W, et al. **Schweiz Rundsch Med Prax** 1990 Sep 25;79(39):1125–31 (26 ref.) (Eng. Abstr.) **(Ger)**

[Diuretic therapy in the aged] Mutschler E, et al. **Verh Dtsch Ges Inn Med** 1990;96:265–73 (25 ref.) **(Ger)**

[Primary management of the hypertensive patient--new aspects of therapy] Scholze J. **Z Gesamte Inn Med** 1991 Jan-Feb;46(1-2):32–6 (34 ref.) (Eng. Abstr.) **(Ger)**

[Treatment of hypertension using angiotensin-converting enzyme inhibitors] Omvik P. **Nord Med** 1990; 105(8-9):214–6, 222 (30 ref.) (Eng. Abstr.) **(Nor)**

[Brazilian consensus on the treatment of arterial hypertension. 28-30 September 1990, São Paulo] **Arq Bras Cardiol** 1991 Jan;56 Suppl A:A1–16 (15 ref.) **(Por)**

[Hypertensive urgencies and emergencies] Fuchs FD, et al. **Arq Bras Cardiol** 1991 Mar;56(3):243–6 (25 ref.) **(Por)**

[Management of hypertension in the elderly] Serro-Azul JB, et al. **Arq Bras Cardiol** 1990 Feb;54(2):141–5 (33 ref.) **(Por)**

[Clinical pharmacology of diuretics] Orlov VA, et al.

Klin Med (Mosk) 1991 Feb;69(2):17–23 (11 ref.) **(Rus)**

ECONOMICS

The economics of cholesterol lowering. Reckless JP. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):947–72 (90 ref.)

Economic analyses in hypertension: applications for healthcare providers. Jones–Grizzle AJ, et al. **DICP** 1991 Mar;25(3):289–95 (31 ref.)

Economic considerations that influence health policy and research. Harlan WR. **Hypertension** 1989 May;13(5 Suppl):I158–63 (9 ref.)

Cost–effectiveness of antihypertensive treatment. General considerations. Russell LB. **Hypertension** 1989 May;13(5 Suppl):I141–4 (9 ref.)

Cost and quality trade–offs in the treatment of hypertension. Stason WB. **Hypertension** 1989 May;13(5 Suppl):I145–8 (18 ref.)

ENZYMOLOGY

[The diagnostic value of studying the N–acetyl–beta–D–glucosaminidase activity in urine (review of the literature)] Babaeva NI, et al. **Lab Delo** 1991;(1):9–16 (54 ref.) **(Rus)**

EPIDEMIOLOGY

Microalbuminuria: studies in diabetes, essential hypertension, and renal diseases as compared with the background population. Mogensen CE, et al. **Adv Nephrol Necker Hosp** 1991;20:191–228 (65 ref.)

Isolated systolic hypertension in the elderly: an epidemiologic review. Amery A, et al. **Am J Med** 1991 Mar; 90(3A):64S–70S (22 ref.)

Hypertension, cardiac disease, and compliance in minority patients. Francis CK. **Am J Med** 1991 Jul 18; 91(1A):29S–36S (55 ref.)

Causes and consequences of blood pressure alterations in obstructive sleep apnea. Levinson PD, et al. **Arch Intern Med** 1991 Mar;151(3):455–62 (126 ref.)

Is the erythrocyte sodium–lithium countertransport a molecular marker of cardiac risk in hypertension? Diez J, et al. **Cardioscience** 1991 Jun;2(2):87–92 (58 ref.)

Socioeconomic status and morbidity and mortality in hypertensive blacks. Moorman PG, et al. **Cardiovasc Clin** 1991;21(3):179–94 (38 ref.)

Hypertension in the elderly: epidemiology and pathophysiology. McNeil JJ, et al. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1197–201 (29 ref.)

Hypertension and ageing. Lindholm L. **Clin Exp Hypertens [A]** 1990;12(5):745–59 (22 ref.)

Hypertension and vascular disease in India and migrant Indian populations in the world. Seedat YK. **J Hum Hypertens** 1990 Aug;4(4):421–4 (21 ref.)

Consensus document on non–invasive ambulatory blood pressure monitoring. The Scientific Committee. **J Hypertens Suppl** 1990 Dec;8(6):S135–40 (34 ref.)

Epidemiology of cardiovascular disease in developing countries. Akinkugbe OO. **J Hypertens Suppl** 1990 Dec; 8(7):S233–8 (41 ref.)

Relationship between ambulatory or exercise blood pressure and left ventricular structure: prognostic implications. Devereux RB, et al. **J Hypertens Suppl** 1990 Dec; 8(6):S125–34 (76 ref.)

Left ventricular hypertrophy, arterial hypertension and sudden death. Messerli FH. **J Hypertens Suppl** 1990 Dec; 8(7):S181–6 (61 ref.)

Twenty–four–hour ambulatory blood pressure monitoring: a review of validation data. O'Brien E, et al. **J Hypertens Suppl** 1990 Dec;8(6):S11–6 (56 ref.)

The impact of hypertension and antihypertensive treatment on the course and prognosis of diabetic nephropathy. Parving HH. **J Hypertens Suppl** 1990 Dec;8(7):S187–91 (33 ref.)

Clinical uses of ambulatory blood pressure monitoring. Zachariah PK, et al. **J Hypertens Suppl** 1991 Jan; 9(1):S7–11; discussion S11–2 (29 ref.)

Hypertension in blacks. Hildreth CJ, et al. **Md Med J** 1991 Mar;40(3):213–7 (46 ref.)

Hypertension in children and adolescents—1986. Schärer K. **Pediatr Nephrol** 1987 Jan;1(1):50–8 (37 ref.)

[Epidemiology of hypertension] Jiang Y. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1991 Jun; 12(3):166–76 (14 ref.) **(Chi)**

[The epidemiology of arterial hypertension] de Lolio CA. **Rev Saude Publica** 1990 Oct;24(5):425–32 (50 ref.) (Eng. Abstr.) **(Por)**

ETHNOLOGY

Hypertension: racial differences. Eisner GM. **Am J Kidney Dis** 1990 Oct;16(4 Suppl 1):35–40 (38 ref.)

Essential hypertension in blacks: epidemiology, characteristics, and possible roles of racial differences in sodium, potassium, and calcium regulation. Aviv A, et al. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:335–42 (112 ref.)

Obesity and hypertension in blacks. Dustan HP. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:395–402 (37 ref.)

Racial differences in antihypertensive therapy: evidence and implications. Weinberger MH. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:379–82 (52 ref.)

ETIOLOGY

Insulin resistance and compensatory hyperinsulinemia: role in hypertension, dyslipidemia, and coronary heart disease. Reaven GM. **Am Heart J** 1991 Apr;121(4 (Pt 2)):1283–8 (71 ref.)

Hyperinsulinemia and elevated blood pressure: cause, confounder, or coincidence? Donahue RP, et al. **Am J Epidemiol** 1990 Nov;132(5):827–36 (95 ref.)

Angiotensin converting enzyme inhibitors, regional vascular hemodynamics, and the development and prevention of experimental genetic hypertension. Harrap SB. **Am J Hypertens** 1991 Mar;4(3 Pt 2):212S–216S (14 ref.)

The clinical heterogeneity of hypertension. Kannel WB. **Am J Hypertens** 1991 Mar;4(3 Pt 1):283–7 (4 ref.)

Sodium–calcium interactions and salt–sensitive hypertension. Kurtz TW, et al. **Am J Hypertens** 1990 Aug;3(8 Pt 2):152S–155S (28 ref.)

Mechanisms of hypertension in diabetes. Sowers JR, et al. **Am J Hypertens** 1991 Feb;4(2 Pt 1):177–82 (80 ref.)

Sleep apnea and systemic hypertension: a causal association review. Hoffstein V, et al. **Am J Med** 1991 Aug;91(2):190–6 (31 ref.)

Hormonal and local factors in hypertension. Kaplan NM. **Am J Med Sci** 1991 Jun;301(6):412–20 (109 ref.)

Pathophysiology and management of hypertension in diabetes. Tuck ML, et al. **Annu Rev Med** 1991;42:533–48 (89 ref.)

Childhood precursors of high blood pressure and elevated cholesterol. Labarthe DR, et al. **Annu Rev Public Health** 1991;12:519–41 (70 ref.)

The pathogenesis of hypertension: black–white differences. Blaustein MP, et al. **Cardiovasc Clin** 1991;21(3):97–114 (78 ref.)

Abdominal obesity and risk. Björntorp P. **Clin Exp Hypertens [A]** 1990;12(5):783–94 (20 ref.)

Future directions for research into dietary and other lifestyle factors in hypertension. Beilin LJ. **Clin Exp Pharmacol Physiol** 1991 Feb;18(2):71–6 (28 ref.)

The primary role of the kidney and salt intake in the aetiology of essential hypertension: Part II [see comments] de Wardener HE. **Clin Sci** 1990 Oct;79(4):289–97 (135 ref.) Comment in: Clin Sci 1991 Apr;80(4):401–2.

Hypertension as a possible complication of recombinant human erythropoietin therapy. Brunkhorst R, et al. **Contrib Nephrol** 1991;88:118–25; discussion 126 (29 ref.)

Angiotensin, ACE inhibition, and the renal circulation: pathogenesis of nonmodulation in essential hypertension. Hollenberg NK, et al. **Contrib Nephrol** 1990;79:1–10 (44 ref.)

Insulin resistance. A multifaceted syndrome responsible for NIDDM, obesity, hypertension, dyslipidemia, and atherosclerotic cardiovascular disease. DeFronzo RA, et al. **Diabetes Care** 1991 Mar;14(3):173–94 (307 ref.)

Insulin–dependent diabetes mellitus and hypertension. Nosadini R, et al. **Diabetes Care** 1991 Mar;14(3):210–9 (65 ref.)

Dysregulation of aldosterone secretion and its relationship to the pathogenesis of essential hypertension. Williams GH, et al. **Endocrinol Metab Clin North Am** 1991 Jun; 20(2):423–47 (71 ref.)

Experimental hypertension. Bohr DF, et al. **Hypertension** 1991 Jan;17(1 Suppl):I39–44 (66 ref.)

Neurovascular mechanisms and sodium balance in the pathogenesis of hypertension. Brum JM, et al. **Hypertension** 1991 Jan;17(1 Suppl):I45–51 (55 ref.)

Do primary dysfunctions in neural control of arterial pressure contribute to hypertension? Ferrario CM, et al. **Hypertension** 1991 Sep;18(3 Suppl):I38–51 (182 ref.)

Blood pressure and high blood pressure. Aspects of risk. Stamler J. **Hypertension** 1991 Sep;18(3 Suppl):I95–107 (53 ref.)

Role of dopaminergic mechanisms in the kidney for the pathogenesis of hypertension. Yoshimura M, et al. **J Auton Pharmacol** 1990;10 Suppl 1:s67–72 (19 ref.)

Insulin resistance: a risk factor for diabetic complications. Beck–Nielsen H, et al. **J Diabetic Complications** 1990 Apr–Jun;4(2):46–8 (13 ref.)

Hypertension in the course of insulin dependent diabetes mellitus and its pathogenetic mechanisms. Feldt–Rasmussen B, et al. **J Diabetic Complications** 1990 Apr–Jun;4(2):60–2 (26 ref.)

Obesity and hypertension: epidemiological aspects of the relationship. Heyden S, et al. **J Hum Hypertens** 1990 Aug; 4(4):431–5 (24 ref.)

Post transplant hypertension. Raman GV. **J Hum Hypertens** 1991 Feb;5(1):1–6 (46 ref.)

The role of potassium in the pathogenesis and treatment of hypertension [clinical conference] Linas SL. **Kidney Int** 1991 Apr;39(4):771–86 (107 ref.)

Multiple roles for surface–active phospholipid in hypertension. Hills BA. **Med Hypotheses** 1990 Dec; 33(4):275–81 (54 ref.)

Stress and hypertension—a critical review [see comments] Freeman ZS. **Med J Aust** 1990 Nov 19;153(10):621–5 (56 ref.) Comment in: Med J Aust 1991 Feb 18;154(4):291.

The prenatal origins of adult hypertension. **Nutr Rev** 1991 May;49(5):160–1 (11 ref.)

Distinguishing the causes of post–transplantation hypertension. Curtis JJ. **Pediatr Nephrol** 1991 Jan; 5(1):108–11 (33 ref.)

Hypertension. Ching GW, et al. **Postgrad Med J** 1991 Mar; 67(785):230–46 (205 ref.)

Essential hypertension—where are we going? Ives HE. **West J Med** 1990 Oct;153(4):415–20 (38 ref.)

Stress and hypertension [see comments] Mustacchi P. **West J Med** 1990 Aug;153(2):180–5 (135 ref.) Comment in: West J Med 1990 Dec;153(6):663–4.

[Hypertension in Takayasu's disease] Godeau P, et al. **Ann Med Interne (Paris)** 1990;141(5):431–6 (56 ref.) **(Fre)**

[Role of sleep apnea in essential arterial hypertension] Krieger J, et al. **Presse Med** 1990 Nov 24;19(39):1805–9 (30 ref.) (Eng. Abstr.) **(Fre)**

[Arterial hypertension in patients with obesity. Role of hyperinsulinism and insulin resistance] Feraille E, et al. **Rev Med Interne** 1990 Jul–Aug;11(4):293–6 (46 ref.) (Eng. Abstr.) **(Fre)**

[Primary (essential) hypertension in childhood and adolescence] Eschke P, et al. **Z Arztl Fortbild (Jena)** 1990; 84(20):1015–22 (28 ref.) **(Ger)**

[Arterial hypertension in dialysis] Zucchelli P, et al. **G Ital Cardiol** 1990 May;20(5):471–80 (100 ref.) **(Ita)**

[The pathogenesis of arterial hypertension in diabetes mellitus and its role in nephropathy] Raimondi C, et al. **Recenti Prog Med** 1990 Dec;81(12):782–7 (27 ref.) (Eng. Abstr.) **(Ita)**

[Endocrinological approach to symptom and diagnosis of hypertension] Saruta T. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):323–6 (9 ref.) **(Jpn)**

[Endocrine hypertension] Takeda R. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):382–6 (6 ref.) **(Jpn)**

[The role of beta–endorphin in the pathogenesis of essential arterial hypertension and obesity] Słowińska–Srzednicka J. **Acta Physiol Pol** 1989;40 Suppl 34:98–114 (54 ref.) **(Pol)**

[Arterial hypertension and insulin resistance: physiopathogenic and therapeutic implications] Ribeiro AB, et al. **Arq Bras Cardiol** 1991 Mar;56(3):185–8 (23 ref.) **(Por)**

[The role of the sympathetic–adrenal system in the development of hypertension. Effect of the emotional factor] Belova EV. **Kardiologiia** 1991 May;31(5):83–5 (24 ref.) **(Rus)**

[Calcium and arterial hypertension] Drzhevetskiĭ IuM. **Sov Med** 1991;(3):34–6 (38 ref.) **(Rus)**

[The hormonal system of calcium metabolism regulation in the pathogenesis of blood circulation disorders] Khudaverdian DN, et al. **Usp Fiziol Nauk** 1991 Jan–Feb; 22(1):57–76 (165 ref.) **(Rus)**

[The endocrine heart and gestational hypertension] Ayala AR. **Ginecol Obstet Mex** 1987 Aug;55:207–13 (21 ref.) (Eng. Abstr.) **(Spa)**

[Arterial hypertension in pediatrics] Lagomarsino E, et al. **Rev Chil Pediatr** 1990;61 Suppl 1:2–7 (0 ref.) **(Spa)**

[The current focus on cardiovascular growth in arterial hypertension] Diez J. **Rev Clin Esp** 1990 Oct;187(6):292–7 (63 ref.) (Eng. Abstr.) **(Spa)**

GENETICS

Blunted renal sodium excretion during acute saline loading in normotensive men with positive family histories of hypertension. Widgren BR, et al. **Am J Hypertens** 1991 Jul;4(7 Pt 1):570–8 (60 ref.)

Hypertensives' pressor response to norepinephrine. Analysis by infusion rate and plasma levels. Ziegler MG, et al. **Am J Hypertens** 1991 Jul;4(7 Pt 1):586–91 (30 ref.)

Genetics of hypertension: what we know and don't know. Williams RR, et al. **Clin Exp Hypertens [A]** 1990; 12(5):865–76 (23 ref.)

Molecular biology of hypertension. Krieger JE, et al. **Hypertension** 1991 Sep;18(3 Suppl):I3–17 (153 ref.)

Transgenic animals. New approaches to hypertension research. Mockrin SC, et al. **Hypertension** 1991 Mar; 17(3):394–9 (49 ref.)

Genealogy of the spontaneously hypertensive rat and Wistar–Kyoto rat strains: implications for studies of inherited hypertension. Louis WJ, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S1–5 (23 ref.)

Genetic aspects of ion transport systems in hypertension. Bianchi G, et al. **J Hypertens Suppl** 1990 Dec;8(7):S213–8 (52 ref.)

Heat stress genes in hypertension. Hamet P, et al. **J Hypertens Suppl** 1990 Dec;8(7):S47–52 (27 ref.)

Multigenic human hypertension: evidence for subtypes and hope for haplotypes. Williams RR, et al. **J Hypertens Suppl** 1990 Dec;8(7):S39–46 (36 ref.)

Role of angiotensin in the renal vasoconstriction observed during the development of genetic hypertension. Arendshorst WJ, et al. **Kidney Int Suppl** 1990 Nov;30:S92–6 (34 ref.)

Molecular genetics links renin to hypertension. Morris BJ. **Mol Cell Endocrinol** 1991 Feb;75(2):C13–8 (41 ref.)

Heredity and blood pressure in humans: an overview. Mongeau JG. **Pediatr Nephrol** 1987 Jan;1(1):69–75 (30 ref.)

[Genetic aspects of systemic arterial hypertension] Leshchinskiĭ PM, et al. **Kardiologiia** 1990 Jul;30(7):101–5 (81 ref.) **(Rus)**

HISTORY

[The problems of arterial hypertension in the works of the scientists of the Kiev Medical Institute (on the 150th anniversary of the Institute) (a review of the literature)] Nikula TD, et al. **Vrach Delo** 1991 Feb;(2):113–8 (44 ref.) **(Rus)**

IMMUNOLOGY

Association between disturbances in the immune system and hypertension. Khraibi AA. **Am J Hypertens** 1991 Jul;4(7 Pt 1):635–41 (47 ref.)

Immune mechanisms in experimental and essential hypertension [editorial] Dzielak DJ. **Am J Physiol** 1991 Mar;260(3 Pt 2):R459–67 (66 ref.)

[The immunogenetics of hypertension] Kurochkin GS, et al. **Ter Arkh** 1991;63(4):144–7 (57 ref.) **(Rus)**

METABOLISM

Essential hypertension, metabolic disorders, and insulin resistance. Ferrannini E, et al. **Am Heart J** 1991 Apr;121(4 (Pt 2)):1274–82 (60 ref.)

Is hypertension an insulin-resistant state? Metabolic changes associated with hypertension and antihypertensive therapy. Sowers JR. **Am Heart J** 1991 Sep;122(3 (Pt 2)):932–5 (21 ref.)

Calciotropic hormones in human and experimental hypertension. Resnick LM. **Am J Hypertens** 1990 Aug;3(8 Pt 2):171S–178S (78 ref.)

Beta-adrenoceptor responsiveness in hypertension: effects of dietary NaCl intake. Feldman RD. **Br J Clin Pharmacol** 1990;30 Suppl 1:55S–60S (27 ref.)

Typology of Na+ transport abnormalities in erythrocytes from essential hypertensive patients. A first step towards the diagnosis and specific treatment of different forms of primary hypertension. Garay R. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:373–8 (25 ref.)

Digitalislike circulating factor in hypertension: potential messenger between salt balance and intracellular sodium. Haddy FJ. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:343–9 (65 ref.)

A study of urinary and intracellular sodium and potassium, renin, aldosterone, and hypertension in blacks and Indians in Natal. Hoosen S, et al. **Cardiovasc Drugs Ther** 1990 Mar; 4 Suppl 2:363–5 (23 ref.)

Potassium and calcium intake, excretion, and homeostasis in blacks, and their relation to blood pressure. Langford HG, et al. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:403–6 (19 ref.)

Erythrocyte concentrations and transmembrane fluxes of sodium and potassium in essential hypertension: role of intrinsic and environmental factors. Lijnen P, et al. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:321–33 (113 ref.)

Sodium transport inhibitors in pregnancy–induced hypertension. Poston L. **Cardiovasc Drugs Ther** 1990 Mar; 4 Suppl 2:351–6 (42 ref.)

Diuretics and cation transport in hypertensive blacks. Quintanilla AP, et al. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:383–7 (52 ref.)

Membrane transport of ions in hypertension. Swales JD. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:367–72 (49 ref.)

Na+ transport in hypertension. Hilton PJ. **Diabetes Care** 1991 Mar;14(3):233–9 (48 ref.)

Effect of antihypertensive drugs on insulin, glucose, and lipid metabolism. Lithell HO. **Diabetes Care** 1991 Mar; 14(3):203–9 (35 ref.)

Defects in cortisol metabolism causing low-renin hypertension. White PC. **Endocr Res** 1991;17(1–2):85–107 (29 ref.)

Vascular receptors for atrial natriuretic peptide in hypertension. Schiffrin EL. **Int J Rad Appl Instrum [B]** 1990;17(7):673–6 (20 ref.)

The control of body sodium in relation to hypertension: exploring the Strauss concept. Simpson FO. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S27–30 (18 ref.)

Hypertension as a metabolic disorder—an overview. Smith U, et al. **J Intern Med Suppl** 1991;735:1–7 (40 ref.)

Intestinal calcium transport in the spontaneously hypertensive rat. Young EW, et al. **Miner Electrolyte Metab** 1990;16(2–3):154–8 (35 ref.)

Insulin resistance and hypertension. Sowers JR. **Mol Cell Endocrinol** 1990 Dec 3;74(2):C87–9 (17 ref.)

Prostacyclin and vascular function: implications for hypertension and atherosclerosis. Dusting GJ, et al. **Pharmacol Ther** 1990;48(3):323–44 (259 ref.)

[Cellular metabolism of sodium and hypertension] Cusi D, et al. **Ann Ital Med Int** 1989 Jan–Mar;4(1):48–61 (59 ref.) (Eng. Abstr.) **(Ita)**

[Metabolic aspects to consider in essential arterial hypertension] Grinberg M. **Arq Bras Cardiol** 1991 Feb; 56(2):105–7 (36 ref.) **(Por)**

[The in vivo production of corticosteroids by the adrenals in rats of the SSHR hypertensive strain] Kotlobai AA, et al. **Biol Nauki** 1990;(6):60–75 (67 ref.) (Eng. Abstr.) **(Rus)**

MORTALITY

Cardiovascular disease in the United States: an epidemiologic overview. Gillum RF. **Cardiovasc Clin** 1991;21(3):3–16 (40 ref.)

PATHOLOGY

Long-term structural changes in human hypertensive vessels. Heagerty AM, et al. **Basic Res Cardiol** 1991;86 Suppl 1:19–23 (21 ref.)

Is there a role for the vascular renin-angiotensin system in the determination of vascular structure? Mulvany MJ. **Blood Vessels** 1991;28(1–3):224–30 (13 ref.)

[Postmortem indications of hypertension (published erratum appears in Pathologe 1991 May;12(3):174)] Zschoch H. **Pathologe** 1991 Mar;12(2):66–9 (29 ref.) **(Ger)**

PHYSIOPATHOLOGY

Hemodynamic changes in pregnancy and pregnancy complicated by hypertension. Dildy GA, et al. **Acute Care** 1988–89;14–15:26–46 (152 ref.)

Observations and influences on sodium sensitivity of blood pressure in humans. Luft FC, et al. **Adv Nephrol Necker Hosp** 1991;20:237–45 (66 ref.)

Clinical implications of pathophysiologic changes in the midlife hypertensive patient. Julius S. **Am Heart J** 1991 Sep;122(3 (Pt 2)):886–91 (43 ref.)

Autonomic nervous system dysregulation in human hypertension. Julius S. **Am J Cardiol** 1991 Apr 22; 67(10):3B–7B (49 ref.)

Mechanical factors in large artery disease and antihypertensive drugs. Levenson J, et al. **Am J Cardiol** 1990 Sep 25;66(9):39C–42C (22 ref.)

Calcium-regulating hormones in hypertension: vascular actions. Bukoski RD, et al. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):220S–226S (89 ref.)

What is the role of the central nervous system in mineralocorticoid hypertension? Gómez Sánchez EP. **Am J Hypertens** 1991 Apr;4(4 Pt 1):374–81 (83 ref.)

Pathophysiology of hypertension in blacks. Hall WD. **Am J Hypertens** 1990 Dec;3(12 Pt 2):366S–371S (50 ref.)

Use of arterial compliance for evaluation of hypertension. Simon A, et al. **Am J Hypertens** 1991 Jan;4(1 Pt 1):97–105 (35 ref.)

Calcium metabolism and dietary calcium in salt sensitive hypertension. Sowers JR, et al. **Am J Hypertens** 1991 Jun; 4(6):557–63 (62 ref.)

Effects of calcium antagonists on glomerular hemodynamics and structure in experimental hypertension. Dworkin LD. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):89–93 (37 ref.)

Epidemiologic and clinical aspects of insulin resistance and hyperinsulinemia. Flack JM, et al. **Am J Med** 1991 Jul 18; 91(1A):11S–21S (76 ref.)

Presynaptic receptors in hypertension. Borkowski KR. **Ann N Y Acad Sci** 1990;604:389–97 (74 ref.)

Heterogeneity of hypertension: the diverse role of electrolyte intake. Luft FC, et al. **Annu Rev Med** 1991;42:347–55 (58 ref.)

Impaired dilatation of cerebral arterioles in chronic hypertension. Heistad DD, et al. **Blood Vessels** 1990; 27(2–5):258–62 (14 ref.)

Role of vascular wall renin: intracellular and extracellular mechanism. Inagami T, et al. **Blood Vessels** 1991; 28(1–3):217–23 (26 ref.)

The role of 5-hydroxytryptamine and 5-hydroxytryptaminergic mechanisms in hypertension. van Zwieten PA, et al. **Br J Clin Pharmacol** 1990;30 Suppl 1:69S–74S (36 ref.)

Effects of calcium antagonists on the hypertensive kidney. Reams GP, et al. **Cardiovasc Drugs Ther** 1990 Oct; 4(5):1331–5 (35 ref.)

Acute and chronic effects of angiotensin converting enzyme inhibitors on the essential hypertensive kidney. Reams GP, et al. **Cardiovasc Drugs Ther** 1990 Feb;4(1):207–19 (200 ref.)

Cerebral blood flow in the elderly: impact of hypertension and antihypertensive treatment. Strandgaard S. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1217–21 (34 ref.)

Pathophysiology of myocardial perfusion in hypertension. Harrison DG, et al. **Circulation** 1991 May;83(5 Suppl):III14–8 (33 ref.)

Hypertensive mechanisms and converting enzyme inhibitors. Ferrario CM, et al. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV56–62; discussion IV83–90 (55 ref.)

Angiotensin-converting enzyme inhibition, cell growth, and left ventricular hypertrophy in hypertension. Giles TD. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV63–7; discussion IV83–90 (53 ref.)

Insulin and hypertension. Reaven GM. **Clin Exp Hypertens [A]** 1990;12(5):803–16 (36 ref.)

Role of the kidney in the pathogenesis of primary hypertension. Rettig R, et al. **Clin Exp Hypertens [A]** 1990; 12(6):957–1002 (115 ref.)

Ambulatory blood pressure and target organ involvement in hypertension. White WB. **Clin Invest Med** 1991 Jun; 14(3):224–30 (23 ref.)

Prostacyclin, thromboxane A2, and hypertension. Zhao WG, et al. **Clin Invest Med** 1990 Dec;13(6):343–52 (122 ref.)

Is the endogenous digitalis-like factor the link between hypertension and metabolic disorders as diabetes mellitus, obesity and acromegaly? Clerico A, et al. **Clin Physiol Biochem** 1990;8(3):153–68 (115 ref.)

Hypertension and diabetes in blacks. Douglas JG. **Diabetes Care** 1990 Nov;13(11):1191–5 (50 ref.)

Obesity and hypertension. Dustan HP. **Diabetes Care** 1991 Jun;14(6):488–504 (110 ref.)

Na(+)-H+ exchanger and its role in essential hypertension and diabetes mellitus. Huot SJ, et al. **Diabetes Care** 1991 Jun;14(6):521–35 (155 ref.)

Hyperinsulinemia or increased sympathetic drive as links for obesity and hypertension. Modan M, et al. **Diabetes Care** 1991 Jun;14(6):470–87 (235 ref.)

Insulin resistance, hyperinsulinemia, hypertriglyceridemia, and hypertension. Parallels between human disease and rodent models. Reaven GM. **Diabetes Care** 1991 Mar; 14(3):195–202 (53 ref.)

Calcium metabolism in hypertension and allied metabolic disorders. Resnick LM. **Diabetes Care** 1991 Jun; 14(6):505–20 (129 ref.)

Central role of sodium in hypertension in diabetic subjects. Weidmann P, et al. **Diabetes Care** 1991 Mar;14(3):220–32 (122 ref.)

Non-invasive study of cardiac performance using Doppler ultrasound in patients with hypertension. Lacolley PJ, et al. **Eur Heart J** 1990 Dec;11 Suppl I:62–6 (34 ref.)

Similar myocardial effects of aging and hypertension. Lakatta EG. **Eur Heart J** 1990 Nov;11 Suppl G:29–38 (104 ref.)

Coupling between the left ventricle and arterial system in hypertension. O'Rourke M. **Eur Heart J** 1990 Nov;11 Suppl G:24–8 (23 ref.)

Measurement of cardiac output by M-mode and two-dimensional echocardiography: application to patients with hypertension. Wallerson DC, et al. **Eur Heart J** 1990 Dec;11 Suppl I:67–78 (54 ref.)

Radionuclide ventriculography in the assessment of diastolic function in hypertension. Fouad-Tarazi FM. **Herz** 1990 Dec;15(6):393–8 (37 ref.)

Local hormonal factors (intracrine, autocrine, and paracrine) in hypertension. Carretero OA, et al. **Hypertension** 1991 Sep;18(3 Suppl):I58–69 (120 ref.)

Kidney, salt intake, and Na+,K(+)-ATPase inhibitors in hypertension. 1990 Corcoran Lecture. de Wardener HE. **Hypertension** 1991 Jun;17(6 Pt 2):830–6 (86 ref.)

Biochemical evidence of sympathetic hyperactivity in human hypertension. Esler M, et al. **Hypertension** 1991 Apr;17(4 Suppl):III29–35 (45 ref.)

Hemodynamic determinants of vascular changes in hypertension and atherosclerosis. Heistad DD, et al. **Hypertension** 1991 Apr;17(4 Suppl):III7–11 (30 ref.)

Sympathetic neural contribution to salt-induced hypertension in Dahl rats. Mark AL. **Hypertension** 1991 Jan;17(1 Suppl):I86–90 (39 ref.)

Are vascular abnormalities a primary cause or secondary consequence of hypertension? Mulvany MJ. **Hypertension** 1991 Sep;18(3 Suppl):I52–7 (71 ref.)

Insulin resistance and hypertension. Slater EE. **Hypertension** 1991 Sep;18(3 Suppl):I108–14 (63 ref.)

Can essential hypertension be subclassified with respect to mechanism? Weinberger MH. **Hypertension** 1991 Sep;18(3 Suppl):I82–6 (54 ref.)

Non-modulating hypertension. A subset of sodium-sensitive hypertension. Williams GH, et al. **Hypertension** 1991 Jan; 17(1 Suppl):I81–5 (29 ref.)

Cerebral circulation: humoral regulation and effects of chronic hypertension. Faraci FM, et al. **J Am Soc Nephrol** 1990 Jul;1(1):53–7 (46 ref.)

A salt-hypertension hypothesis. Beard TC. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S35–8 (47 ref.)

Diet and lifestyle in hypertension: changing perspectives. Beilin LJ. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S62–6 (51 ref.)

Cardiac hypertrophy and aortic distensibility in essential hypertension. Safar ME, et al. **J Cardiovasc Pharmacol** 1987;10 Suppl 6:S86–90 (41 ref.)

Perspectives of hypertension in black patients: black vs. white differences. Seedat YK. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S67–70 (54 ref.)

Signals for the remodeling of the cardiac interstitium in systemic hypertension. Weber KT, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S14–9 (46 ref.)

Blood pressure and organ damage. Zanchetti A, et al. **J Cardiovasc Pharmacol** 1987;10 Suppl 6:S111–8 (26 ref.)

Pathophysiology of hypertension in diabetes mellitus—implications for management. Florkowski CM, et al. **J Clin Pharm Ther** 1991 Jun;16(3):153–60 (33 ref.)

Calcium and vascular reactivity in aging and hypertension [editorial] Wadsworth RM. **J Hypertens** 1990 Nov; 8(11):975–83 (137 ref.)

Local mechanisms of blood flow control by perivascular nerves and endothelium. Burnstock G. **J Hypertens Suppl** 1990 Dec;8(7):S95–106 (142 ref.)

Pre- and postsynaptic adrenergic dysfunctions in hypertension. de Champlain J. **J Hypertens Suppl** 1990 Dec; 8(7):S77–85 (75 ref.)

Increased regional sympathetic nervous activity in human hypertension: causes and consequences. Esler M, et al. **J Hypertens Suppl** 1990 Dec;8(7):S53–7 (31 ref.)

Prostacyclin in hypertension. Frölich JC. **J Hypertens Suppl** 1990 Sep;8(4):S73–8 (73 ref.)

Circadian blood pressure variations under different pathophysiological conditions. Imai Y, et al. **J Hypertens Suppl** 1990 Dec;8(7):S125–32 (58 ref.)

Changing role of the autonomic nervous system in human hypertension. Julius S. **J Hypertens Suppl** 1990 Dec; 8(7):S59–65 (59 ref.)

Regulation of sympathetic nerve activity in mild human hypertension. Mark AL. **J Hypertens Suppl** 1990 Dec; 8(7):S67–75 (49 ref.)

Structure and function of small arteries in hypertension. Mulvany MJ. **J Hypertens Suppl** 1990 Dec;8(7):S225–32

(60 ref.)
Hypertension and the arterial system: clinical and therapeutic aspects. Safar ME, et al. **J Hypertens Suppl** 1990 Dec; 8(7):S113–9 (58 ref.)
Franz Volhard lecture. Increased systemic vascular resistance and primary hypertension: the expanding complexity. Shepherd JT. **J Hypertens Suppl** 1990 Dec;8(7):S15–27 (145 ref.)
Functional disturbance of the cell membrane in hypertension. Swales JD. **J Hypertens Suppl** 1990 Dec;8(7):S203–11 (92 ref.)
Stress and hypertension. Zimmerman RS, et al. **J Hypertens Suppl** 1990 Sep;8(4):S103–7 (22 ref.)
Insulin resistance in hypertension--a relationship with consequences? Berne C. **J Intern Med Suppl** 1991;735:65–73 (59 ref.)
Hypertension in glucose intolerance and diabetes. Jarrett RJ. **J Intern Med Suppl** 1991;735:85–8 (29 ref.)
The sympathoadrenal system, obesity and hypertension: an overview. Landsberg L. **J Neurosci Methods** 1990 Sep; 34(1–3):179–86 (68 ref.)
The evaluation of diastolic function in arterial hypertension: how and why? Marabotti C, et al. **J Nucl Med Allied Sci** 1990 Apr–Jun;34(2):103–10 (59 ref.)
Hypertension and the kidney. Hanna JD, et al. **J Pediatr** 1991 Mar;118(3):327–40 (57 ref.)
Hypertension in obesity may reflect a homeostatic thermogenic response. Clark MG, et al. **Life Sci** 1991; 48(10):939–47 (67 ref.)
Glucose-induced or postprandial hyperinsulinemia in mild essential hypertension--an underestimated biochemical risk indicator? Singer P, et al. **Med Hypotheses** 1991 Feb; 34(2):157–64 (77 ref.)
Chronobiologic assessment of deviant human blood pressure: an invitation for improvements. Halberg E, et al. **Prog Clin Biol Res** 1990;341A:305–18 (18 ref.)
Exercise and mild essential hypertension. Recommendations for adults. Gordon NF, et al. **Sports Med** 1990 Dec; 10(6):390–404 (88 ref.)
This and that: drug tolerance and great expectations. Max B. **Trends Pharmacol Sci** 1990 Oct;11(10):401–4 (14 ref.)
Prostaglandins, the kidney, and hypertension [see comments] Wilson TW, et al. **West J Med** 1990 Aug;153(2):168–72 (67 ref.) Comment in: West J Med 1990 Aug;153(2):194–5.
[The left ventricular diastolic function in patients with hypertension and calcium inhibitors] Abassade P, et al. **Ann Cardiol Angeiol (Paris)** 1991 Feb;40(2):89–96 (46 ref.) (Eng. Abstr.) **(Fre)**
[Relationship between left ventricular mass and prognosis of arterial hypertension] Devereux RB. **Arch Mal Coeur Vaiss** 1990 Dec;83 Spec No 4:51–7 (30 ref.) (Eng. Abstr.) **(Fre)**
[Vasomotor activity in the large arterial vessels and arterial hypertension] Laurent S, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:59–63 (30 ref.) (Eng. Abstr.) **(Fre)**
[Cardiovascular disorders during sleep] Messner-Pellenc P. **Presse Med** 1990 Nov 28;19(40):1851–6 (20 ref.) (Eng. Abstr.) **(Fre)**
["Goldblatt phenomenon of the uterus" and latent kidney disease as the cause of pregnancy-induced hypertension--epidemiology and therapeutic consequences] Künzel W. **Geburtshilfe Frauenheilkd** 1990 Nov;50(11):833–41 (43 ref.) (Eng. Abstr.) **(Ger)**
[Circadian changes in blood pressure and therapeutic consequences] Schrader J, et al. **Internist (Berl)** 1990 Oct; 31(10):662–8 (41 ref.) **(Ger)**
[Renal effects of conversion enzyme inhibitors] Ritz E, et al. **Klin Wochenschr** 1991;69 Suppl 24:50–7; discussion 57–8 (62 ref.) (Eng. Abstr.) **(Ger)**
[The misconstrued metabolic syndrome essential hypertension. Chronology of interdisciplinary change in attitude] Rett K, et al. **Med Klin** 1991 Feb 15;86(2):86–91 (66 ref.) **(Ger)**
[Hypertension, insulin resistance and diabetes mellitus: pathophysiological interactions and therapeutic consequences] Schernthaner G. **Wien Klin Wochenschr** 1990 Dec 21;102(24):707–12 (59 ref.) (Eng. Abstr.) **(Ger)**
[New aspects of the pathophysiology and pathogenesis of arterial hypertension--a review of the literature] Franz C, et al. **Z Gesamte Inn Med** 1990 Dec 15;45(24):723–8 (62 ref.) (Eng. Abstr.) **(Ger)**
[Calcium and hypertension] Barbagallo M, et al. **Cardiologia** 1990 May;35(5):363–7 (65 ref.) **(Ita)**
[Mechanisms of vascular lesions in aging and arterial hypertension] Rossi GP, et al. **Cardiologia** 1990 Oct; 35(10):803–8 (37 ref.) **(Ita)**
[Evaluation of genetic predisposition and acquired risk factors in development of essential hypertension and its acute complications] Noto R, et al. **Riv Eur Sci Med Farmacol** 1990 Apr;12 Suppl 2:5–66 (214 ref.) (Eng. Abstr.) **(Ita)**
[Isolated systolic hypertension--characteristics of hemodynamic findings] Akizuki S, et al. **Kokyu To Junkan** 1991 Jun;39(6):523–32 (93 ref.) **(Jpn)**
[Sex and hypertension] Wocial B, et al. **Kardiol Pol** 1990; 33(5):320–7 (68 ref.) **(Pol)**
[Renin-angiotensin-aldosterone system in arterial hypertension] Kohlmann Júnior O. **Arq Bras Cardiol** 1990 Aug;55 Suppl A:A3–5 (5 ref.) **(Por)**
[The role of atrial natriuretic factor in the regulation of the activity of the cardiovascular system] Baturova EA, et al. **Kardiologiia** 1991 Jan;31(1):91–3 (55 ref.) **(Rus)**
[Atrial natriuretic factor and its role in pathology] Drozdova GA, et al. **Patol Fiziol Eksp Ter** 1990 Nov–Dec;(6):55–8 (97 ref.) **(Rus)**
[Follow-up studies on systemic arterial hypertension in Mexico (editorial)] Sánchez Torres G. **Arch Inst Cardiol Mex** 1990 May–Jun;60(3):227–32 (54 ref.) **(Spa)**

PREVENTION & CONTROL

Dietary calcium and blood pressure: modifying factors in specific populations. McCarron DA, et al. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):215S–219S (38 ref.)
Stroke and hypertension and its prevention. Hachinski VC. **Am J Hypertens** 1991 Feb;4(2 Pt 2):118S–120S (22 ref.)
National High Blood Pressure Education Program Working Group report on ambulatory blood pressure monitoring. **Arch Intern Med** 1990 Nov;150(11):2270–80 (122 ref.)
Prevention of toxemia of pregnancy in Ecuadorian Andean women: experience with dietary calcium supplementation. López-Jaramillo P, et al. **Bull Pan Am Health Organ** 1991; 25(2):109–17 (62 ref.)
Regression of cardiovascular structural changes--a preventive strategy. Dahlöf B. **Clin Exp Hypertens [A]** 1990;12(5):877–96 (73 ref.)
Experimental intervention of hypertension and cardiovascular diseases. Yamori Y. **Clin Exp Hypertens [A]** 1990;12(5):939–52 (50 ref.)
Prevention and treatment of pregnancy-induced hypertension. Repke JT. **Compr Ther** 1991 May;17(5):25–31 (12 ref.)
Dietary sodium reduction for hypertension prevention and treatment. Elmer PJ, et al. **Hypertension** 1991 Jan;17(1 Suppl):I182–9 (56 ref.)
Nutrition and hypertension prevention. Kotchen TA, et al. **Hypertension** 1991 Sep;18(3 Suppl):I115–20 (59 ref.)
Hypertension after Intersalt: prospects for prevention. Beard TC. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S31–4 (25 ref.)
Serotonin, hypertension and vascular disease. Vanhoutte PM. **Neth J Med** 1991 Feb;38(1–2):35–42 (46 ref.)
N-3 fatty acids in hypertension and cardiovascular disease. Bjerve KS, et al. **Scand J Clin Lab Invest Suppl** 1990; 202:78–81 (14 ref.)
Dietary omega 3 and omega 6 fatty acids and cardiovascular responses to pressor and depressor stimuli. Mills DE. **World Rev Nutr Diet** 1991;66:349–57 (29 ref.)
[Effect of salt-restriction on blood pressure. A review over epidemiological studies and a meta-analysis of clinically controlled studies] Graudal NA, et al. **Ugeskr Laeger** 1991 Jul 1;153(27):1914–20 (25 ref.) (Eng. Abstr.) **(Dan)**
[Nutrition and hypertension: what are the goals?] Greminger P, et al. **Schweiz Rundsch Med Prax** 1990 Sep 11; 79(37):1055–61 (37 ref.) (Eng. Abstr.) **(Ger)**
[Statement on "24-hour blood pressure monitoring" by the German League for the control of hypertension] Anlauf M, et al. **Z Kardiol** 1991;80 Suppl 1:53–5 (0 ref.) **(Ger)**
[Some aspects of arterial hypertension control in the prevention of ischemic heart disease] Plavinskaia SI. **Kardiologiia** 1990 Sep;30(9):100–3 (68 ref.) **(Rus)**
[Consensus on control of arterial hypertension in Spain. Ministry of Health and Consumption] **Rev Esp Cardiol** 1991 Feb;44(2):76–94 (29 ref.) **(Spa)**

PSYCHOLOGY

Clinical applications of ambulatory blood pressure monitoring: the white coat syndrome. Pickering TG. **Clin Invest Med** 1991 Jun;14(3):212–7 (31 ref.)
The role of behavioral factors in white coat and sustained hypertension. Pickering TG, et al. **J Hypertens Suppl** 1990 Dec;8(7):S141–7 (46 ref.)
The SSA-profile, an instrument for assessment of subjective symptoms among hypertensives. Dimenäs E. **Scand J Prim Health Care** 1990;Suppl 1:27–30 (25 ref.)
Questionnaire for the Assessment of Symptoms and Psychological Effects in Cardiovascular Therapy (the ASPECT Scale). Jern S. **Scand J Prim Health Care** 1990; Suppl 1:31–2 (4 ref.)

REHABILITATION

Physical exercise in the management of hypertension: a consensus statement by the World Hypertension League. **J Hypertens** 1991 Mar;9(3):283–7 (28 ref.)

THERAPY

Patient profiling: individualization of hypertension therapy. Taylor RB. **Am Fam Physician** 1990 Nov;42(5 Suppl):29S–31S, 34S–36S (23 ref.)
Acebutolol effects on lipid profile [published erratum appears in Am J Cardiol 1990 Dec 1;66(19):A8] Schnaper HW. **Am J Cardiol** 1990 Sep 25;66(9):49C–54C (6 ref.)
Systolic hypertension in the elderly: reasons not to treat. Michelis MF. **Am J Kidney Dis** 1990 Oct;16(4):332–4 (10 ref.)
Practical considerations in treating the elderly hypertensive patient. Burris JF. **Am J Med** 1991 Apr 25;90(4B):28S–31S (19 ref.)
Hypertension in an aging population: problems and opportunities. Hollenberg NK. **Am J Med** 1991 Apr 25; 90(4B):1S–2S (11 ref.)
Workshop I--Fifth Joint National Committee report: how should it differ from the 1988 report? Porush JG, et al. **Am J Med** 1991 Feb 21;90(2A):21S–23S (0 ref.)
Epidemiology and evaluation: steps toward hypertension treatment in the 1990s. Schoenberger JA. **Am J Med** 1991 Apr 25;90(4B):3S–7S (18 ref.)
National Education Programs Working Group report on the management of patients with hypertension and high blood cholesterol. **Ann Intern Med** 1991 Feb 1;114(3):224–37 (89 ref.)
ABC of antenatal care. Raised blood pressure in pregnancy. Chamberlain G. **BMJ** 1991 Jun 15;302(6790):1454–8 (0 ref.)
Hypertension in blacks: nonpharmacologic and pharmacologic therapy. Hall WD, et al. **Cardiovasc Clin** 1991;21(3):157–69 (59 ref.)
Non-pharmacologic measures for lowering blood pressure [see comments] Arakawa K. **Cardiovasc Drugs Ther** 1989 Dec;3(6):847–52 (50 ref.) Comment in: Cardiovasc Drugs Ther 1991 Feb;5(1):157–8.
Systolic hypertension in the elderly. Rutan GH. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1203–8 (49 ref.)
The Canadian consensus report on non-pharmacological approaches to the management of high blood pressure. Fodor JG, et al. **Clin Exp Hypertens [A]** 1990;12(5):729–43 (124 ref.)
Effects of non-pharmacologic therapy. Nicholls MG. **Clin Exp Hypertens [A]** 1990;12(5):709–28 (56 ref.)
Future directions for research into dietary and other lifestyle factors in hypertension. Beilin LJ. **Clin Exp Pharmacol Physiol** 1991 Feb;18(2):71–6 (28 ref.)
Will knowing the variability of ambulatory blood pressure improve clinical outcome? An additional consideration in the critical evaluation of this technology. Floras JS. **Clin Invest Med** 1991 Jun;14(3):231–40 (42 ref.)
Management of hypertension in the diabetic patient. Joseph JC, et al. **Clin Pharm** 1990 Nov;9(11):864–73 (108 ref.)
Nonpharmacological treatment of hypertension in diabetes mellitus. Tjoa HI, et al. **Diabetes Care** 1991 Jun; 14(6):449–60 (121 ref.)
Choosing initial therapy for hypertension. A personal view. Black HR. **Hypertension** 1989 May;13(5 Suppl):I149–53 (27 ref.)
Long-term effectiveness of nonpharmacological treatment of hypertension. Kaplan NM. **Hypertension** 1991 Sep;18(3 Suppl):I153–60 (58 ref.)
Management of hypertension by reduction in sympathetic activity. Mathias CJ. **Hypertension** 1991 Apr;17(4 Suppl):III69–74 (40 ref.)
Interaction of pharmacological and nonpharmacological therapy [editorial] Morgan T. **Hypertension** 1991 Jun;17(6 Pt 1):804–5 (18 ref.)
Canadian Consensus Conference on Nonpharmacological Approaches to the Management of High Blood Pressure: postconference initiatives. Chockalingam A. **J Cardiovasc Pharmacol** 1990;16 Suppl 8:S51–3 (14 ref.)
Effects of exercise and other nonpharmacological measures on blood pressure and cardiac hypertrophy. Jennings G, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S70–4 (16 ref.)
Canadian Consensus Conference on Nonpharmacological Approaches to the Management of High Blood Pressure: recommendations. Laidlaw JC, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 8:S48–50 (1 ref.)
What do you do when the blood pressure is up? An approach to the known hypertensive who has an elevated blood pressure. Schiff RL, et al. **J Gen Intern Med** 1991 Jan–Feb; 6(1):71–6 (48 ref.)
Changing hypertension treatment to reduce the overall cardiovascular risk. Kaplan NM. **J Hypertens Suppl** 1990 Dec;8(7):S175–9 (22 ref.)
Non-pharmacological treatment of hypertension. Silverberg DS. **J Hypertens Suppl** 1990 Sep;8(4):S21–6 (67 ref.)
The J-curve phenomenon and the treatment of hypertension. Is there a point beyond which pressure reduction is dangerous? [see comments] Farnett L, et al. **JAMA** 1991 Jan 23–30;265(4):489–95 (41 ref.) Comment in: JAMA 1991 Jul 3;266(1):64–6.
Treatment of hypertensive crisis [see comments] Calhoun DA, et al. **N Engl J Med** 1990 Oct 25;323(17):1177–83 (46 ref.) Comment in: N Engl J Med 1991 Apr 4;324(14):992–4.
Investigation and management of hypertension in children. A personal perspective. Dillon MJ. **Pediatr Nephrol** 1987 Jan;1(1):59–68 (4 ref.)
Refractory hypertension: definition, prevalence, pathophysiology, and management. Neusy AJ, et al. **Semin Nephrol** 1990 Nov;10(6):546–51 (30 ref.)
[Hypertension and aging. Prognosis and treatment of the increase in blood pressure] Forette F, et al. **Ann Cardiol Angeiol (Paris)** 1991 Jun;40(6):335–9 (37 ref.) **(Fre)**
[Value and limits of medical treatment of hypertension in the aged person] Forette F, et al. **Nephrologie** 1990; 11(5):293–6 (32 ref.) (Eng. Abstr.) **(Fre)**
[Patient education in hypertension--which methods are suitable for general practice?] Gleichmann S, et al. **Internist (Berl)** 1991 Mar;32(3):119–26 (39 ref.) **(Ger)**
[Hypertension in the aged: when to treat it?] Steiner A, et al. **Schweiz Rundsch Med Prax** 1991 Jun 18;80(25):692–5 (33 ref.) (Eng. Abstr.) **(Ger)**
[The management of hyperuricemic patients associated with hypertension] Hirata M, et al. **Nippon Rinsho** 1991 May; 49(5):1156–61 (24 ref.) **(Jpn)**
[Clinical therapeutics in arterial hypertension] Agrest A.

Medicina (B Aires) 1990;50(5):481–7 (48 ref.) **(Spa)**

ULTRASONOGRAPHY

Duplex ultrasound in the assessment of vascular disease in clinical hypertension. Taylor DC. **Am J Hypertens** 1991 Jun;4(6):550–6 (26 ref.)

Is pulsed Doppler echocardiography an adequate method to evaluate left ventricular function during filling in hypertensive patients? Diebold B, et al. **Eur Heart J** 1990 Nov;11 Suppl G:79–86 (39 ref.)

HYPERTENSION–EDEMA–PROTEINURIA GESTOSIS see **GESTOSIS, EPH**

HYPERTENSION, GOLDBLATT see **HYPERTENSION, RENOVASCULAR**

HYPERTENSION, MALIGNANT

DRUG THERAPY

[Treatment of severe hypertension in pregnancy] Oney T, et al. **Z Geburtshilfe Perinatol** 1991 Jan–Feb;195(1):1–9 (72 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Malignant nephrosclerosis in women post partum. A note on microangiopathic hemolytic anemia. Scheer RL, et al. **JAMA** 1967 Aug 21;201(8):600–4 (22 ref.)

HYPERTENSION, PORTAL

see related
PORTASYSTEMIC SHUNT, SURGICAL

Assessment of portal hypertension: understanding will improve treatment. van Leeuwen DJ. **Dig Dis** 1991; 9(2):92–105 (92 ref.)

[Idiopathic portal hypertension] Orozco H, et al. **Rev Invest Clin** 1991 Jan–Mar;43(1):80–6 (65 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Association between primary pulmonary hypertension and portal hypertension: analysis of its pathophysiology and clinical, laboratory and hemodynamic manifestations. Robalino BD, et al. **J Am Coll Cardiol** 1991 Feb;17(2):492–8 (46 ref.)

[Peri–colostomy hemorrhage due to portal hypertension secondary to hepatic metastasis of a rectal adenocarcinoma. Apropos of a case report. Literature review] Elcheroth J, et al. **Rev Med Brux** 1990 Sep;11(7):261–4 (19 ref.) (Eng. Abstr.) **(Fre)**

[The pathogenesis of secondary hypersplenism in portal hypertension (a review of the literature)] Kalita NIa, et al. **Vrach Delo** 1990 Nov;(11):60–4 (59 ref.) **(Rus)**

DRUG THERAPY

Beta–blockers and portal hypertension, hemodynamic effects and prevention of recurrent gastrointestinal bleeding. Lebrec D. **Hepatogastroenterology** 1990 Dec;37(6):556–60 (52 ref.)

Beta–adrenergic blockers for portal hypertension. Lessons from animal models. Sikuler E. **J Hepatol** 1991 Mar; 12(2):133–5 (19 ref.)

[The current trends in the drug treatment of portal hypertension] Kolarski V, et al. **Vutr Boles** 1990;29(3):8–13 (29 ref.) **(Bul)**

[The role of beta–blockers in the preventive treatment of rupture of esophageal varices] Calès P. **Acta Gastroenterol Belg** 1990 Jul–Aug;53(4):409–17 (51 ref.) (Eng. Abstr.) **(Fre)**

[Medical treatment of portal hypertension] Lebrec D. **Presse Med** 1991 Apr 27;20(16):750–5 (30 ref.) (Eng. Abstr.) **(Fre)**

[Medical therapy of portal hypertension due to liver cirrhosis] Cerini R, et al. **Recenti Prog Med** 1991 Feb;82(2):91–9 (86 ref.) (Eng. Abstr.) **(Ita)**

[Chemotherapy of portal hypertension] Geller LI. **Klin Med (Mosk)** 1991 Apr;69(4):28–32 (58 ref.) **(Rus)**

[Pharmacologic treatment of portal hypertension] Bosch J. **An Med Interna** 1991 Jun;8 Suppl 2:4–7 (0 ref.) **(Spa)**

ETIOLOGY

Intrahepatic spontaneous arterioportal fistula: duplex ultrasound diagnosis and angiographic treatment. Tarazov PG, et al. **Am J Gastroenterol** 1991 Jun;86(6):775–8 (38 ref.)

Extrahepatic portal vein obstruction. Sahni P, et al. **Br J Surg** 1990 Nov;77(11):1201–2 (12 ref.)

Sinusoidal portal hypertension in hepatic amyloidosis. Bion E, et al. **Gut** 1991 Feb;32(2):227–30 (21 ref.)

[Portal hypertension in hepatic tuberculosis] Laraki R, et al. **Rev Med Interne** 1989 Sep–Oct;10(5):467–9 (14 ref.) **(Fre)**

[Non–cirrhotic portal hypertension] Kreisel W, et al. **Z Gastroenterol** 1990 Oct;28(10):578–83 (54 ref.) (Eng. Abstr.) **(Ger)**

[A peculiar form of portal hypertension—the Budd–Chiari syndrome] Waluga M. **Pol Tyg Lek** 1990 Apr 16–30; 45(16–18):357–60 (28 ref.) **(Pol)**

METABOLISM

[Nutritional status and its evaluation in patients with cirrhosis of the liver complicated by portal hypertension (review of the literature)] Tsatsanidi KN, et al. **Khirurgiia (Mosk)** 1990 Jul;(7):152–8 (108 ref.) **(Rus)**

PHYSIOPATHOLOGY

Portal hypertension: serotonin and pathogenesis. Lebrec D. **Cardiovasc Drugs Ther** 1990 Jan;4 Suppl 1:33–5 (14 ref.)

Current concepts in the pathophysiology and treatment of portal hypertension and variceal hemorrhage. Eckhauser FE, et al. **Gastroenterol Jpn** 1991 Jul;26 Suppl 3:1–8 (33 ref.)

SURGERY

[The role of surgery in portal hypertension] Vauthey JN, et al. **Schweiz Med Wochenschr** 1991 Mar 16;121(11):357–62 (42 ref.) (Eng. Abstr.) **(Fre)**

[Indications and limitations of the surgical treatment of portal hypertension] Stipa S, et al. **Recenti Prog Med** 1990 Jun; 81(6):409–14 (27 ref.) (Eng. Abstr.) **(Ita)**

[Correction of secondary hypersplenism in the surgical treatment of portal hypertension] Kalita NIa, et al. **Vestn Khir** 1991 Mar;146(3):137–40 (54 ref.) **(Rus)**

THERAPY

A critical review of the medical treatment of portal hypertension. Westaby D. **Acta Gastroenterol Belg** 1990 Mar–Apr;53(2):230–6 (53 ref.)

Current concepts in the pathophysiology and treatment of portal hypertension and variceal hemorrhage. Eckhauser FE, et al. **Gastroenterol Jpn** 1991 Jul;26 Suppl 3:1–8 (33 ref.)

Taking the tension out of the portal system. An approach to the management of portal hypertension in the 1990s. Mac Mathuna P, et al. **Scand J Gastroenterol Suppl** 1990; 175:131–45 (126 ref.)

[Prevention of the first gastroesophageal hemorrhage in patients with portal hypertension] Tsybyrné KA, et al. **Vestn Khir** 1990 Aug;145(8):146–9 (34 ref.) **(Rus)**

ULTRASONOGRAPHY

Current status of duplex Doppler ultrasound in the examination of the abdominal vasculature. Eidt JF, et al. **Am J Surg** 1990 Dec;160(6):604–9 (35 ref.)

Echo Doppler duplex scanner and color in the study of portal hypertension. Buonamico P, et al. **J Clin Gastroenterol** 1991 Jun;13(3):342–7 (37 ref.)

HYPERTENSION, PULMONARY

Pulmonary hypertension and pregnancy—a lethal combination. Roberts NV, et al. **Anaesth Intensive Care** 1990 Aug;18(3):366–74 (47 ref.)

Present status of primary pulmonary hypertension. Kanemoto N, et al. **Tokai J Exp Clin Med** 1989 Sep;14(4):257–80 (261 ref.)

[Primary pulmonary hypertension: a review] Mangieri E, et al. **Cardiologia** 1991 Jan;36(1):63–9 (92 ref.) **(Ita)**

COMPLICATIONS

Association between primary pulmonary hypertension and portal hypertension: analysis of its pathophysiology and clinical, laboratory and hemodynamic manifestations. Robalino BD, et al. **J Am Coll Cardiol** 1991 Feb;17(2):492–8 (46 ref.)

The role of pulmonary hypertension in the pathogenesis of bronchial asthma. Rosival V. **Med Hypotheses** 1990 Sep; 33(1):7–9 (27 ref.)

[Nodular regenerative hyperplasia and pulmonary arterial hypertension] Bedossa P, et al. **Gastroenterol Clin Biol** 1990; 14(11):881–4 (40 ref.) (Eng. Abstr.) **(Fre)**

[Pulmonary arterial hypertension and systemic diseases] Chérin P, et al. **Rev Rhum Mal Osteoartic** 1991 May; 58(5):387–94 (57 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Pharmacologic treatment of primary and secondary pulmonary hypertension. Brown G. **Pharmacotherapy** 1991; 11(2):137–56 (327 ref.)

[Advances in the drug therapy of pulmonary hypertension in patients with chronic obstructive pulmonary disease] Liu SZ, et al. **Chung Hua Chieh Ho Ho Hu Hsi Tsa Chih** 1991 Apr;14(2):107–10 (32 ref.) **(Chi)**

[Prostaglandins in the etiology and treatment of pulmonary hypertension] Konopleva LF, et al. **Kardiologiia** 1990 Sep; 30(9):92–5 (75 ref.) **(Rus)**

ETIOLOGY

Sleep disordered breathing and pulmonary hypertension. Weitzenblum E, et al. **Eur Respir J Suppl** 1990 Oct; 11:523s–526s (21 ref.)

Recent advances in the study of pulmonary hypertension. Reid LM. **Keio J Med** 1991 Mar;40(1):33–4 (4 ref.)

[Pulmonary artery hypertension in systemic lupus erythematosus] Haas C, et al. **Ann Med Interne (Paris)** 1990; 141(4):340–4 (42 ref.) **(Fre)**

[Pulmonary artery hypertension and nocturnal hypoxemia in chronic obstructive bronchopneumopathy] Apprill M, et al. **Rev Mal Respir** 1991;8(1):13–27 (97 ref.) (Eng. Abstr.) **(Fre)**

[Primary pulmonary hypertension in children] Rachocka J, et al. **Wiad Lek** 1990 Oct 1–15;43(19–20):964–6 (21 ref.) (Eng. Abstr.) **(Pol)**

[Primary pulmonary hypertension] Konopleva LF. **Klin Med (Mosk)** 1990 Sep;68(9):13–8 (15 ref.) **(Rus)**

[Primary pulmonary hypertension] Chuchalin AG, et al. **Vestn Akad Med Nauk SSSR** 1991;(3):27–9 (38 ref.) (Eng. Abstr.) **(Rus)**

[Debatable questions in the pathogenesis of pulmonary hypertension in mitral defects (a review of the literature)] Konopleva LF, et al. **Vrach Delo** 1990 Oct;(10):30–3 (36 ref.) **(Rus)**

[Persistent pulmonary hypertension] Donoso Uribe F, et al. **An Esp Pediatr** 1990 Aug;33(2):101–5 (48 ref.) **(Spa)**

PATHOLOGY

The pathology of primary pulmonary hypertension. Burke AP, et al. **Mod Pathol** 1991 Mar;4(2):269–82 (135 ref.)

PHYSIOPATHOLOGY

Atherosclerosis and the lung. Langleben D. **Can J Cardiol** 1990 Sep;6(7):VI (10 ref.)

[Hypoxic pulmonary hypertension] Hampl V. **Cesk Fysiol** 1991;40(3):255–71 (132 ref.) **(Cze)**

[Pulmonary hypertension and cor pulmonale caused by chronic obstructive lung disease; pathogenesis and treatment] Dees A, et al. **Ned Tijdschr Geneeskd** 1991 Jun 22;135(25):1120–4 (58 ref.) **(Dut)**

[Right pulmonary artery arising from the proximal ascending aorta. A model of reflex pulmonary hypertension of the left lung?] Benamer H, et al. **Arch Mal Coeur Vaiss** 1991 May;84(5):639–46 (26 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

The management of primary pulmonary hypertension. Palevsky HI, et al. **JAMA** 1991 Feb 27;265(8):1014–20 (106 ref.)

Primary pulmonary hypertension: diagnosis, medical and surgical treatment. Dinh Xuan AT, et al. **Respir Med** 1990 May;84(3):189–97 (75 ref.)

[Primary pulmonary hypertension] Konopka A. **Kardiol Pol** 1990 Apr;33(4):263–70 (35 ref.) **(Pol)**

HYPERTENSION, PULMONARY, OF NEWBORN, PERSISTENT see **PERSISTENT FETAL CIRCULATION SYNDROME**

HYPERTENSION, RENAL

COMPLICATIONS

Hypertension with co–existing renal disease. Bauer JH, et al. **J Hum Hypertens** 1990 Dec;4 Suppl 5:27–34 (102 ref.)

DRUG THERAPY

Renal vascular effects of calcium channel blockers in hypertension. Benstein JA, et al. **Am J Hypertens** 1990 Dec; 3(12 Pt 2):305S–312S (47 ref.)

Impact of calcium entry blockers on glomerular injury in experimental hypertension. Dworkin LD. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1325–30 (34 ref.)

ACE inhibitors in renal disease. Bauer JH, et al. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV38–43; discussion IV51–5 (100 ref.)

Angiotensin converting enzyme inhibitors and progression of chronic renal failure. Tolins JP, et al. **Kidney Int Suppl** 1990 Nov;30:S118–22 (59 ref.)

[Advances in the management of severe arterial hypertension] Valencia–Espinoza LC, et al. **Bol Med Hosp Infant Mex** 1990 Aug;47(8):535–42 (29 ref.) (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Role of kallikrein–kinin system in regulation of renal and circulatory function: physiology and pathophysiology (2). Kher V. **J Assoc Physicians India** 1990 Oct;38(10):793–4 (17 ref.)

ETIOLOGY

Page kidney: a curable form of arterial hypertension. Case report and review of the literature. Aragona F, et al. **Urol Int** 1991;46(2):203–7 (19 ref.)

[Renin secreting tumor and severe hypertension. Apropos of a new case] Ducret F, et al. **Nephrologie** 1991;12(1):17–24 (69 ref.) (Eng. Abstr.) **(Fre)**

[Unilateral hydronephrosis with hypertension due to ureteral endometriosis] Sekihara T, et al. **Hinyokika Kiyo** 1990 Sep; 36(9):1069–72 (14 ref.) (Eng. Abstr.) **(Jpn)**

[Advances in the management of severe arterial hypertension] Valencia–Espinoza LC, et al. **Bol Med Hosp Infant Mex** 1990 Aug;47(8):535–42 (29 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

The aging hypertensive kidney: pathophysiology and therapeutic options. Bauer JH, et al. **Am J Med** 1991 Apr 25;90(4B):21S–27S (74 ref.)

[Effect of the autonomic nervous system on liver function in physiological and various pathological conditions] Zapaśnik A, et al. **Pol Arch Med Wewn** 1990 Sep; 84(3):166–75 (40 ref.) **(Pol)**

THERAPY

[Therapy of renovascular hypertension] Kutkuhn B, et al. **Dtsch Med Wochenschr** 1991 Aug 16;116(33):1247–51 (33 ref.) **(Ger)**

[Reversible form of hypertension--the page kidney] Wanic-Kossowska M. **Pol Arch Med Wewn** 1991 Jan; 85(1):67–9 (16 ref.) **(Pol)**

HYPERTENSION, RENOVASCULAR

Diagnosis and evaluation of renovascular hypertension. Indications for therapy. Pickering TG. **Circulation** 1991 Feb;83(2 Suppl):I147–54 (65 ref.)

DIAGNOSIS

Renovascular hypertension. Difficulties in diagnosis and treatment. Oldenburg WA. **Postgrad Med** 1991 Apr; 89(5):93–6, 101–4, 109 (28 ref.)

Screening for renovascular hypertension. Dunnick NR, et al. **Radiol Clin North Am** 1991 May;29(3):497–510 (42 ref.)

[Modern possibilities in the assessment of renovascular stenoses] Jäger K. **Internist (Berl)** 1991 Mar;32(3):127–34 (68 ref.) **(Ger)**

DRUG THERAPY

Converting enzyme inhibitors and renal function in essential and renovascular hypertension. Mimran A, et al. **Am J Hypertens** 1991 Jan;4(1 Pt 2):7S–14S (31 ref.)

ACE inhibitors in renovascular hypertension. Textor SC. **Cardiovasc Drugs Ther** 1990 Feb;4(1):229–35 (45 ref.)

EPIDEMIOLOGY

Renal artery stenosis during pregnancy: a review. Heyborne KD, et al. **Obstet Gynecol Surv** 1991 Aug;46(8):509–14 (29 ref.)

ETIOLOGY

Post-transplant hypertension. Laskow DA, et al. **Am J Hypertens** 1990 Sep;3(9):721–5 (43 ref.)

Left atrial myxoma metastasizing to the aorta, with intraluminal growth causing renovascular hypertension. Kotani K, et al. **Cardiology** 1991;78(1):72–7 (20 ref.)

Atypical causes of curable renovascular hypertension: a review. Stair DC, et al. **Prog Cardiovasc Dis** 1990 Nov–Dec;33(3):185–210 (379 ref.)

[Atherosclerotic nephropathy. Clinical manifestations of chronic arterial circulatory insufficiency of the kidneys] Krapf R. **Schweiz Med Wochenschr** 1990 Sep 29; 120(39):1415–20 (25 ref.) (Eng. Abstr.) **(Ger)**

[Renovascular hypertension in childhood] Belloli G, et al. **Pediatr Med Chir** 1991 Jan–Feb;13(1):35–44 (37 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

Morphometric analysis of large artery structure in arterial hypertension and aging: reversal of lesions after treatment. Salzmann JL, et al. **Adv Nephrol Necker Hosp** 1991; 20:57–72 (45 ref.)

PHYSIOPATHOLOGY

Pathophysiology of renovascular hypertension. Martinez-Maldonado M. **Hypertension** 1991 May; 17(5):707–19 (116 ref.)

Determinants of renal microvascular autoregulatory behavior in normal and hypertensive rats. Carmines PK, et al. **Kidney Int Suppl** 1991 Jun;32:S89–93 (34 ref.)

Influences of angiotensin on renal function in renal vascular hypertension. Ploth DW. **Kidney Int Suppl** 1990 Nov; 30:S97–101 (27 ref.)

[The kallikrein-kinin system in renovascular hypertension (a review of the literature)] Krimkevich EI. **Vrach Delo** 1990 Sep;(9):40–3 (28 ref.) **(Rus)**

RADIONUCLIDE IMAGING

Interventions in renal scintigraphy. Fine EJ. **Semin Nucl Med** 1991 Apr;21(2):116–27 (57 ref.)

SURGERY

Management of renovascular disease. A surgical perspective. Novick AC. **Circulation** 1991 Feb;83(2 Suppl):I167–71 (46 ref.)

THERAPY

Renovascular hypertension. Difficulties in diagnosis and treatment. Oldenburg WA. **Postgrad Med** 1991 Apr; 89(5):93–6, 101–4, 109 (28 ref.)

[Value and limits of renal artery examination in the aged] Plouin PF, et al. **Nephrologie** 1990;11(5):297–9 (8 ref.) (Eng. Abstr.) **(Fre)**

ULTRASONOGRAPHY

Current status of duplex Doppler ultrasound in the examination of the abdominal vasculature. Eidt JF, et al. **Am J Surg** 1990 Dec;160(6):604–9 (35 ref.)

HYPERTHERMIA see **FEVER**

HYPERTHERMIA, INDUCED

Local hyperthermia for deep tumors. Bicher HI, et al. **Adv Exp Med Biol** 1990;267:411–22 (38 ref.)

Clinical use of regional hyperthermia. Bicher HI, et al. **Adv Exp Med Biol** 1990;267:1–20 (109 ref.)

Whole body hyperthermia and intraperitoneal carboplatin in residual ovarian cancer. Cohen JD, et al. **Adv Exp Med Biol** 1990;267:197–202 (35 ref.)

New clinical aspects of whole body hyperthermia. Eisler K, et al. **Adv Exp Med Biol** 1990;267:393–8 (0 ref.)

Perspectives for the combined use of photodynamic therapy and hyperthermia in cancer patient. Freitas I, et al. **Adv Exp Med Biol** 1990;267:511–20 (28 ref.)

Hyperthermia and chemotherapy. Galen WP. **Adv Exp Med Biol** 1990;267:209–16 (19 ref.)

Hyperthermia and the liver. Hugander A. **Adv Exp Med Biol** 1990;267:155–9 (13 ref.)

Extracorporeally induced total-body hyperthermia for disseminated cancer. Koga S, et al. **Adv Exp Med Biol** 1990; 267:177–88 (31 ref.)

Biochemical and ultrastructural changes in the hyperthermic treatment of tumor cells: an outline. Marcocci L, et al. **Adv Exp Med Biol** 1990;267:99–120 (115 ref.)

Responses of immune system to hyperthermia. Olkowski ZL, et al. **Adv Exp Med Biol** 1990;267:507–9 (3 ref.)

Procedures for improving therapeutic gain. Osinsky S, et al. **Adv Exp Med Biol** 1990;267:251–70 (27 ref.)

Hyperthermia and hyperglycemia in the tumors therapy. Osinsky S, et al. **Adv Exp Med Biol** 1990;267:457–62 (8 ref.)

Hyperthermia for the treatment of brain tumors. Page RC, et al. **Adv Exp Med Biol** 1990;267:145–53 (55 ref.)

Perspectives and hopes for the 1990s. Pigliucci GM, et al. **Adv Exp Med Biol** 1990;267:293–6 (10 ref.)

The biological responses to heat. Pontiggia P, et al. **Adv Exp Med Biol** 1990;267:271–91 (57 ref.)

Radiant heat systemic hyperthermia clinical trials. Robins HI, et al. **Adv Exp Med Biol** 1990;267:189–96 (34 ref.)

An overview of the role of radiation therapy and hyperthermia in treatment of malignant melanoma. Shidnia H, et al. **Adv Exp Med Biol** 1990;267:531–45 (35 ref.)

Enhancing thermoradiotherapy efficacy by hyperglycemia. Yarmonenko SP, et al. **Adv Exp Med Biol** 1990;267:463–70 (5 ref.)

The International Consensus Meeting on Hyperthermia. Valdagni R. **Am J Clin Oncol** 1991 Jun;14(3):267–9 (3 ref.)

Response of tumors to thermodynamic stimulation of the immune system. Keen AR, et al. **Del Med J** 1990 Aug; 62(8):1155–6, 1159–64 (43 ref.)

Hyperthermia in clinical oncology. Reinhold HS, et al. **Eur J Cancer** 1990;26(8):915–6 (28 ref.)

Breast cancer: chest wall hyperthermia-electron beam therapy. Kapp DS, et al. **Front Radiat Ther Oncol** 1991; 25:151–68; discussion 180–2 (45 ref.)

International Consensus Meeting on Hyperthermia: Final report. Valdagni R. **Int J Hyperthermia** 1990 Sep–Oct; 6(5):839–77; discussion 879–80 (147 ref.)

Photothermal sensitizers: possible use in tumor therapy. Jori G, et al. **J Photochem Photobiol B** 1990 Jun;6(1–2):93–101 (27 ref.)

Combining hyperthermia and radiation: how beneficial? Sneed PK, et al. **Oncology (Williston Park)** 1991 Mar; 5(3):99–108; discussion 109–10, 112 (47 ref.)

Combined modality clinical trials for favorable B-cell neoplasms: lonidamine plus whole body hyperthermia and/or total body irradiation. Robins HI. **Semin Oncol** 1991 Apr;18(2 Suppl 4):23–7 (40 ref.)

[The mechanisms of the cytotoxic action of hyperthermia] Mircheva I. **Eksp Med Morfol** 1991;30(1):51–4 (37 ref.) (Eng. Abstr.) **(Bul)**

[Hyperthermia in tumor therapy] Schorcht J. **Radiobiol Radiother (Berl)** 1990;31(5):383–90 (38 ref.) (Eng. Abstr.) **(Ger)**

[The complete remission of recurrent sweat gland carcinoma by radiotherapy combined with hyperthermia] Fujimoto R, et al. **Gan No Rinsho** 1990 Nov;36(14):2485–90 (29 ref.) (Eng. Abstr.) **(Jpn)**

[Apoptotic program in hyperthermia] Honma T. **Nippon Rinsho** 1991 May;49(5):1172–8 (47 ref.) **(Jpn)**

INSTRUMENTATION

Instrumentation for clinical hyperthermia. van Rhoon GC, et al. **Adv Exp Med Biol** 1990;267:57–77 (40 ref.)

[Thermoradiotherapy of malignant choroid melanoma. Development of a new microwave hyperthermia system] Riedel KG, et al. **Fortschr Ophthalmol** 1990;87(6):543–50 (40 ref.) (Eng. Abstr.) **(Ger)**

[Increasing the thermal enhancement ratio by simultaneous application of radiation and hyperthermia--technical possibilities in interstitial application] Handl-Zeller L. **Strahlenther Onkol** 1990 Oct;166(10):643–6 (12 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Conductive, interstitial hyperthermia: a new modality for treatment of intracranial tumors. Marchosky JA, et al. **Adv Exp Med Biol** 1990;267:129–43 (72 ref.)

Interstitial laser hyperthermia in tumour therapy. Masters A, et al. **Ann Chir Gynaecol** 1990;79(4):244–51 (34 ref.)

Interstitial hyperthermia in head and neck oncology. Welton PL, et al. **Cancer Treat Res** 1990;52:83–93 (34 ref.)

Interstitial laser hyperthermia for the treatment of hepatic and pancreatic tumours. Steger AC. **Photochem Photobiol** 1991 Jun;53(6):837–44 (82 ref.)

Laser thermal ablation. Welch AJ, et al. **Photochem Photobiol** 1991 Jun;53(6):815–23 (21 ref.)

[Hyperthermic-antiblastic isolation perfusion for advanced melanoma of the limbs. The technic, immediate results and a review of the literature] Decian F, et al. **Minerva Chir** 1990 Oct 15;45(19):1227–37 (50 ref.) (Eng. Abstr.) **(Ita)**

NURSING

Hyperthermia treatment for malignant brain tumors: nursing management during therapy. Edwards DK, et al. **J Neurosci Nurs** 1991 Feb;23(1):34–8 (21 ref.)

TRENDS

Local tumor hyperthermia in the 1990s. Lele PP. **Adv Exp Med Biol** 1990;267:37–46 (13 ref.)

The basis for hyperthermia becoming the fourth cancer treatment modality in the 1990's. McLaren JR, et al. **Adv Exp Med Biol** 1990;267:21–36 (73 ref.)

HYPERTHERMIA, LOCAL see **HYPERTHERMIA, INDUCED**

HYPERTHERMIA, MALIGNANT see **MALIGNANT HYPERTHERMIA**

HYPERTHERMIA, THERAPEUTIC see **HYPERTHERMIA, INDUCED**

HYPERTHYROIDISM

Pregnancy and thyroid disease. Lowe TW, et al. **Clin Obstet Gynecol** 1991 Mar;34(1):72–81 (40 ref.)

Hyperthyroidism in children and adolescents. Zimmerman D, et al. **Pediatr Clin North Am** 1990 Dec;37(6):1273–95 (178 ref.)

CHEMICALLY INDUCED

[Iodine containing drugs and thyroid gland function. A diagnostic and therapeutic problem] Weissel M. **Acta Med Austriaca** 1991;18(1):6–11 (54 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Hyperthyroidism and periodic paralysis. Capobianco DJ. **J Fla Med Assoc** 1990 Oct;77(10):884–8 (34 ref.)

DIAGNOSIS

[Evaluating thyroid gland function in patients with protein anomalies] Eber O, et al. **Acta Med Austriaca** 1991; 18(1):11–9 (94 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Hashimoto's disease and hyperthyroidism] Ducornet B, et al. **Ann Med Interne (Paris)** 1991;142(3):181–96 (118 ref.) **(Fre)**

METABOLISM

[Hyperthyroidism and glucose metabolism] Laville M, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:55–66 (64 ref.) **(Fre)**

PHYSIOPATHOLOGY

[Motor-secretory interactions in the small and large intestine and their disorders] Erckenbrecht JF. **Z Gastroenterol** 1991 Apr;29 Suppl 3:24–6 (22 ref.) **(Ger)**

PREVENTION & CONTROL

[The prevention and therapy of iodine-induced hyperthyroidism] Herrmann J. **Dtsch Med Wochenschr** 1991 Jan 18;116(3):99–101 (13 ref.) **(Ger)**

PSYCHOLOGY

Psychiatric aspects of hyperthyroidism. Jadresic DP. **J Psychosom Res** 1990;34(6):603–15 (92 ref.)

THERAPY

[Therapeutic approach in hyperthyroidism] Foz Sala M. **An Med Interna** 1991 Jun;8 Suppl 2:73–6 (0 ref.) **(Spa)**

VETERINARY

Thyroid scintigraphy in small animals. Kintzer PP, et al. **Semin Vet Med Surg (Small Anim)** 1991 May;6(2):131–9 (20 ref.)

HYPERTONIC SALINE SOLUTION see **SALINE SOLUTION, HYPERTONIC**

HYPERTONIC SOLUTION, SALINE see **SALINE**

SOLUTION, HYPERTONIC

HYPERTRICHOSIS

see related
HIRSUTISM

[Orofacial manifestations of hypertrichosis lanuginosa. Review of the literature apropos of a clinical case] De Clercq D, et al. **Rev Stomatol Chir Maxillofac** 1990; 91(6):465–8 (24 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

[Acquired paraneoplastic hypertrichosis lanuginosa associated with scleroderma] Valda Rodriguez L, et al. **Ann Dermatol Venereol** 1990;117(9):605–10 (15 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

[Hypertrichosis and hirsutism] Imcke E, et al. **Med Monatsschr Pharm** 1991 Feb;14(2):36–42 (32 ref.) **(Ger)**

HYPERTRIGLYCERIDEMIA

[Lipoprotein metabolism disorders. II. Epidemiology, classification, and diagnosis] Lerman Garber I, et al. **Arch Inst Cardiol Mex** 1991 Mar–Apr;61(2):179–84 (50 ref.) **(Spa)**

BLOOD

[Determination of potentially atherogenic triglyceride-rich lipoprotein particles] Alaupovic P, et al. **Klin Wochenschr** 1990;68 Suppl 22:38–42 (29 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

The hypertriglyceridemias: risk and management. Introduction. Assmann G, et al. **Am J Cardiol** 1991 Jul 24;68(3):1A–4A (35 ref.)

The hypertriglyceridemias: Risk and management. Epidemiology. Austin MA, et al. **Am J Cardiol** 1991 Jul 24;68(3):22A–25A (72 ref.)

Hypertriglyceridaemia, triglyceride-rich lipoproteins and coronary heart disease. Hamsten A. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):895–922 (222 ref.)

Consensus: hypertriglyceridaemia as a vascular risk factor. The Italian Group for the Study of Metabolic Diseases and Arteriosclerosis. Sirtori CR, et al. **Eur Heart J** 1990 Dec;11 Suppl H:44–8 (36 ref.)

Hyperlipidemic pancreatitis. Toskes PP. **Gastroenterol Clin North Am** 1990 Dec;19(4):783–91 (32 ref.)

[Is macroangiopathy a complication of diabetes mellitus? II: Hypertriglyceridemia] Goldsztajn P. **Przegl Lek** 1990; 47(8):597–602 (45 ref.) **(Pol)**

[Acute pancreatitis and hypertriglyceridemia] Rollán A, et al. **Rev Med Chil** 1989 Mar;117(3):315–21 (39 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

The hypertriglyceridemias: risk and management. Laboratory procedures. Kostner G, et al. **Am J Cardiol** 1991 Jul 24; 68(3):26A–29A (25 ref.)

[Pseudo-hypertriglyceridemia caused by glycerol kinase deficiency] Sanson-Raffin ML, et al. **Rev Med Interne** 1989 Sep–Oct;10(5):453–6 (26 ref.) **(Fre)**

DIET THERAPY

Management of hypertriglyceridemic patients. B. Dietary management of hypertriglyceridemic patients. Carmena R, et al. **Am J Cardiol** 1991 Jul 24;68(3):35A–37A (8 ref.)

DRUG THERAPY

Management of hypertriglyceridemic patients. D. Pharmacologic management of hypertriglyceridemic patients. Franceschini G, et al. **Am J Cardiol** 1991 Jul 24; 68(3):40A–42A (15 ref.)

Drugs affecting triglycerides. Capurso A. **Cardiology** 1991; 78(3):218–25 (39 ref.)

Effects of gemfibrozil and other fibric acid derivatives on blood lipids and lipoproteins. Zimetbaum P, et al. **J Clin Pharmacol** 1991 Jan;31(1):25–37 (96 ref.)

ETIOLOGY

Acquired (secondary) forms of hypertriglyceridemia. Mancini M, et al. **Am J Cardiol** 1991 Jul 24;68(3):17A–21A (47 ref.)

GENETICS

Genetic (primary) forms of hypertriglyceridemia. Assmann G, et al. **Am J Cardiol** 1991 Jul 24;68(3):13A–16A (31 ref.)

METABOLISM

Pathophysiology of triglyceride-rich particles. B. Triglyceride-rich lipoprotein cell interactions. Stein Y, et al. **Am J Cardiol** 1991 Jul 24;68(3):8A–10A (18 ref.)

Effects of exercise training on glucose control, lipid metabolism, and insulin sensitivity in hypertriglyceridemia and non-insulin dependent diabetes mellitus. Lampman RM, et al. **Med Sci Sports Exerc** 1991 Jun;23(6):703–12 (60 ref.)

Triacylglycerol metabolism and hypertriglyceridemia. **Nutr Rev** 1990 Sep;48(9):348–50 (8 ref.)

PHYSIOPATHOLOGY

Insulin resistance, hyperinsulinemia, hypertriglyceridemia, and hypertension. Parallels between human disease and rodent models. Reaven GM. **Diabetes Care** 1991 Mar; 14(3):195–202 (53 ref.)

THERAPY

Management of hypertriglyceridemic patients. A. Treatment classifications and goals. Assmann G, et al. **Am J Cardiol** 1991 Jul 24;68(3):30A–34A (18 ref.)

Management of hypertriglyceridemic patients. C. Other nonpharmacologic approaches. Miettinen T, et al. **Am J Cardiol** 1991 Jul 24;68(3):38A–39A (17 ref.)

HYPERTROPIA see **STRABISMUS**

HYPERVARIABLE REGION see **IMMUNOGLOBULIN VARIABLE REGION**

HYPERVENTILATION

The hyperventilation challenge test. Another means of identifying coronary vasospasm in patients with angina-like chest pain. Magarian GJ, et al. **Chest** 1991 Jan; 99(1):199–204 (62 ref.)

Hyperventilation. Paulley JW. **Recenti Prog Med** 1990 Sep; 81(9):594–600 (37 ref.)

COMPLICATIONS

[Hyperventilation syndrome and autonomic dystonia (review of the literature)] Moldovanu IV. **Zh Nevropatol Psikhiatr** 1991;91(5):100–3 (70 ref.) **(Rus)**

PSYCHOLOGY

Stressful experience and cardiorespiratory disorders. Weiner H. **Circulation** 1991 Apr;83(4 Suppl):II2–8 (39 ref.)

HYPERVITAMINOSIS A

Hepatic toxicity of vitamin A and synthetic retinoids. Fallon MB, et al. **J Gastroenterol Hepatol** 1990 May–Jun; 5(3):334–42 (53 ref.)

COMPLICATIONS

Gout and vitamin A intoxication: is there a connection? Mawson AR, et al. **Semin Arthritis Rheum** 1991 Apr; 20(5):297–304 (74 ref.)

HYPESTHESIA

PSYCHOLOGY

[Disorders of pain perception in schizophrenia] Jakubaschk J, et al. **Schweiz Arch Neurol Psychiatr** 1991;142(1):55–76 (50 ref.) (Eng. Abstr.) **(Ger)**

HYPHOMYCETES

Hendersonula toruloidea and Scytalidium hyalinum. Review and update. Elewski BE, et al. **Arch Dermatol** 1991 Jul; 127(7):1041–4 (29 ref.)

[Phaeohyphomycosis and hyalohyphomycosis] Matsumoto T. **Fukuoka Igaku Zasshi** 1990 Oct;81(10):319–22 (7 ref.) **(Jpn)**

HYPNOSIS

Hypnosis in family medicine. Mutter CB, et al. **Am Fam Physician** 1990 Nov;42(5 Suppl):70S–73S (20 ref.)

New uses of hypnosis in the treatment of posttraumatic stress disorder. Spiegel D, et al. **J Clin Psychiatry** 1990 Oct;51 Suppl:39–43; discussion 44–6 (38 ref.)

Applications of cyberphysiologic techniques in pain management. Erickson CJ. **Pediatr Ann** 1991 Mar; 20(3):145–6, 148–50, 152–6 (23 ref.)

Applications of relaxation and mental imagery (self-hypnosis) for habit problems. Kohen DP. **Pediatr Ann** 1991 Mar; 20(3):136–8, 141–4 (13 ref.)

[Psychobiological basis of hypnosis. Neurophysiologic and psychosomatic considerations] Torta R, et al. **Minerva Psichiatr** 1990 Jul–Sep;31(3):161–6 (16 ref.) (Eng. Abstr.) **(Ita)**

[The neurophysiological, behavioral and humoral correlates of "animal hypnosis"] Krasnoperov OV, et al. **Usp Fiziol Nauk** 1991 Apr–Jun;22(2):90–102 (56 ref.) **(Rus)**

METHODS

Suggestion, relaxation, and hypnosis as adjuncts in the care of surgery patients: a review of the literature. Blankfield RP. **Am J Clin Hypn** 1991 Jan;33(3):172–86 (48 ref.)

Characteristics of change in Ericksonian hypnotherapy: a cognitive-psychological perspective. Otani A. **Am J Clin Hypn** 1990 Jul;33(1):29–39 (42 ref.)

Hypnosis: placebo or nonplacebo? Van Dyck R, et al. **Am J Psychother** 1990 Jul;44(3):396–404 (31 ref.)

HYPNOTICS AND SEDATIVES

see related
HISTAMINE H1 RECEPTOR BLOCKADERS

Testing the abuse liability of anxiolytic and hypnotic drugs in humans. de Wit H, et al. **Drug Alcohol Depend** 1991 Jun;28(1):83–111 (80 ref.)

Clinical-behavioral observations of the long-term effects of drug abuse. Woody GE, et al. **NIDA Res Monogr** 1990; 101:71–85 (18 ref.)

[Transcerebral electrostimulation in hypnotic drug withdrawal] Demotes-Mainard J, et al. **Encephale** 1990 Jul–Aug;16(4):265–7 (21 ref.) (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Review article: premedication and intravenous sedation for upper gastrointestinal endoscopy. Bell GD. **Aliment Pharmacol Ther** 1990 Apr;4(2):103–22 (159 ref.)

[Sedation in upper gastrointestinal endoscopy] Adamsen S. **Ugeskr Laeger** 1991 Mar 18;153(12):828–30 (30 ref.) (Eng. Abstr.) **(Dan)**

[Rectal administration of drugs. Fundamentals and applications in anesthesia] Jantzen JP, et al. **Anaesthesist** 1991 May;40(5):251–61 (103 ref.) (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Drug-induced dementia. Lowenthal DT, et al. **South Med J** 1991 May;84(5 Suppl 1):S24–31 (57 ref.)

CHEMICAL SYNTHESIS

Imidazopyridines: towards novel hypnotic and anxiolytic drugs. George P, et al. **Farmaco** 1991 Jan;46(1 Suppl):277–88 (23 ref.)

METABOLISM

Zolpidem and alpidem: two imidazopyridines with selectivity for omega 1- and omega 3-receptor subtypes. Langer SZ, et al. **Adv Biochem Psychopharmacol** 1990;46:61–72 (27 ref.)

Metabolism of sedatives in liver disease. Schenker S, et al. **Adv Exp Med Biol** 1990;272:209–26 (93 ref.)

PHARMACOLOGY

Selective effects of sedative/hypnotic drugs on excitatory amino acid receptors in brain. Tabakoff B, et al. **Ann N Y Acad Sci** 1991;625:488–95 (47 ref.)

Brain protection: physiological and pharmacological considerations. Part II: The pharmacology of brain protection. Hall R, et al. **Can J Anaesth** 1990 Oct; 37(7):762–77 (118 ref.)

THERAPEUTIC USE

Insomnia: drug treatment. Tsoi WF. **Ann Acad Med Singapore** 1991 Mar;20(2):269–72 (42 ref.)

Neuromuscular blocking agents and sedative drugs. Clinical uses and toxic effects in the critical care unit. Durbin CG Jr. **Crit Care Clin** 1991 Jul;7(3):489–506 (94 ref.)

Zolpidem. A review of its pharmacodynamic and pharmacokinetic properties and therapeutic potential. Langtry HD, et al. **Drugs** 1990 Aug;40(2):291–313 (79 ref.)

Hypnotics in the elderly. What cause for concern? Morgan K. **Drugs** 1990 Nov;40(5):688–96 (60 ref.)

Hypnotics and sleep physiology: a consensus report. European Sleep Research Society, Committee on Hypnotics and Sleep Physiology. Borbély AA, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;241(1):13–21 (100 ref.)

Sedation, pain relief, and neuromuscular blockade in the postoperative cardiac surgical patient. Coyle JP. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):81–7 (38 ref.)

HYPOALDOSTERONISM

ETIOLOGY

Hyperreninemic hypoaldosteronism due to hepatocellular carcinoma metastatic to the adrenal gland. Otabe S, et al. **Clin Nephrol** 1991 Feb;35(2):66–71 (43 ref.)

HYPOALDOSTERONISM, HYPORENINEMIC see **HYPOALDOSTERONISM**

HYPOCALCEMIA

Spectrum and natural history of congenital hyperparathyroidism secondary to maternal hypocalcemia. Loughead JL, et al. **Am J Perinatol** 1990 Oct;7(4):350–5 (28 ref.)

Human neonatal hypocalcemia. Salle BL, et al. **Biol Neonate** 1990;58 Suppl 1:22–31 (50 ref.)

Hypocalcemic crisis. Zaloga GP. **Crit Care Clin** 1991 Jan; 7(1):191–200 (19 ref.)

COMPLICATIONS

Impetigo herpetiformis associated with hypocalcemia of congenital rickets. Holm AL, et al. **Arch Dermatol** 1991

Jan;127(1):91–5 (37 ref.)
Thyroid crisis associated with severe hypocalcemia. Yamaji Y, et al. **Jpn J Med** 1991 Mar–Apr;30(2):179–81 (19 ref.)

ETIOLOGY

Hypocalcemia in cancer. Abramson EC, et al. **Bone Miner** 1990 Sep;10(3):161–9 (46 ref.)

PATHOLOGY

Clinical disorders of vitamin D, renal osteodystrophy, and hypophosphatasia. Bontoux D, et al. **Curr Opin Rheumatol** 1990 Feb;2(1):12–9 (25 ref.)

HYPOCHLORHYDRIA see **ACHLORHYDRIA**

HYPOCHLOROUS ACIDS

METABOLISM

Nucleotide chloramines and neutrophil–mediated cytotoxicity. Bernofsky C. **FASEB J** 1991 Mar 1; 5(3):295–300 (90 ref.)

HYPOCHOLESTEREMIC AGENTS see **ANTICHOLESTEREMIC AGENTS**

HYPOCHONDRIASIS

[Hypochondria—definition and clinical use of the concept] Preradović M, et al. **Vojnosanit Pregl** 1990 May–Jun; 47(3):202–5 (25 ref.) **(Scr)**

DIAGNOSIS

Relationship between hypochondriasis and obsessive–compulsive personality disorder: close relatives separated by nosological schemes? Starčević V. **Am J Psychother** 1990 Jul;44(3):340–7 (32 ref.)

PSYCHOLOGY

Psychogenic voice disorders: literature review and case report. Matas M. **Can J Psychiatry** 1991 Jun;36(5):363–5 (28 ref.)
Role of reassurance and psychopathology in hypochondriasis. Starčević V. **Psychiatry** 1990 Nov;53(4):383–95 (28 ref.)

HYPODONTIA see **ANODONTIA**

HYPOGALACTIA see **LACTATION DISORDERS**

HYPOGAMMAGLOBULINEMIA see **AGAMMAGLOBULINEMIA**

HYPOGASTRIC PLEXUS

[Anesthesiology problems in Takayasu's syndrome] Gaida BJ, et al. **Anaesthesist** 1991 Jan;40(1):1–6 (79 ref.) (Eng. Abstr.) **(Ger)**

HYPOGLOSSAL NERVE

Hypoglossal neuroma following excision of a huge recurrent acoustic neuroma and facio–hypoglossal anastomosis. A complex management problem. Bordi L, et al. **Acta Neurochir (Wien)** 1990;104(3–4):143–6 (13 ref.)
[Spontaneous dissection of the internal carotid artery with 12th nerve palsy. Radiologic and clinical aspects] Bradac GB, et al. **J Radiol** 1990 Jun–Jul;71(6–7):451–3 (8 ref.) (Eng. Abstr.) **(Fre)**
[Isolated paralysis of the great hypoglossal nerve disclosing multiple myeloma] Forrett–Kaminsky MC, et al. **Rev Neurol (Paris)** 1991;147(3):238–9 (10 ref.) (Eng. Abstr.) **(Fre)**
[A case of intracranial hypoglossal neurinoma with no preoperative hypoglossal nerve palsy] Yamaguchi F, et al. **No Shinkei Geka** 1990 Oct;18(10):963–7 (11 ref.) (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Neuroanatomy of the oculomotor system. The nucleus prepositus. McCrea RA. **Rev Oculomot Res** 1988;2:203–23 (93 ref.)

PHYSIOLOGY

[The role of neuropeptides in neural somatic reflexes] Traczyk WZ. **Acta Physiol Pol** 1989;40 Suppl 34:55–66 (38 ref.) **(Pol)**

PHYSIOPATHOLOGY

Posterior fossa arachnoid cyst presenting with an isolated twelfth nerve paresis. Case report and review of the literature. Cartwright MJ, et al. **Clin Neurol Neurosurg** 1991;93(1):69–72 (18 ref.)
Infectious mononucleosis with airway obstruction and multiple cranial nerve paresis. Maddern BR, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):529–32 (22 ref.)

TRANSPLANTATION

A functional evaluation of ansa cervicalis nerve transfer for unilateral vocal cord paralysis: future directions for laryngeal reinnervation. Green DC, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):453–66 (53 ref.)

HYPOGLYCEMIA

Endocrine crises. Hypoglycemia. Shakir KM, et al. **Crit Care Clin** 1991 Jan;7(1):75–87 (30 ref.)

CHEMICALLY INDUCED

Drug–induced disturbances of carbohydrate metabolism. Chan JC, et al. **Adverse Drug React Toxicol Rev** 1991 Spring;10(1):1–29 (207 ref.)
Metabolic effects of antihypertensive treatment with beta–blockers. Sawicki PT, et al. **J Intern Med Suppl** 1991; 735:97–9 (33 ref.)
[Hypoglycemia induced by cibenzoline in the elderly] Houdent C, et al. **Rev Med Interne** 1991 Mar–Apr; 12(2):143–5 (10 ref.) (Eng. Abstr.) **(Fre)**
[Effect of beta–adrenergic blockade on glucose homeostasis in insulin–induced hypoglycemia during physiological processes in diabetes mellitus] Szelachowska M. **Pol Tyg Lek** 1990 May 7–14;45(19–20):397–400 (49 ref.) **(Pol)**

DIAGNOSIS

Hypoglycemias. Service FJ. **West J Med** 1991 Apr; 154(4):442–54 (68 ref.)

ETIOLOGY

'Spontaneous'/uremic hypoglycemia is not a distinct entity: substantiation from a literature review. Toth EL, et al. **Nephron** 1991;58(3):325–9 (31 ref.)
Potentially lethal complications of shigellosis. Bennish ML. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S319–24 (51 ref.)
[Hypoglycemic pleural mesothelioma. A case report] Scotté M, et al. **Ann Chir** 1990;44(8):688–91 (16 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Manifestations, diagnosis and treatment of fasting and postprandial hypoglycemias. Shah JH. **Acute Care** 1987; 13(4):186–204 (132 ref.)
[Human insulin and hypoglycemia] Pernet A, et al. **Schweiz Rundsch Med Prax** 1990 Oct 9;79(41):1237–9 (23 ref.) (Eng. Abstr.) **(Fre)**
[Hypoglycemia in childhood. I. Physiology, pathophysiology and the classification of hypoglycemia] Vuković D, et al. **Med Pregl** 1990;43(3–4):161–5 (13 ref.) (Eng. Abstr.) **(Scr)**

PREVENTION & CONTROL

Neonatal hypoglycemia. Sann L. **Biol Neonate** 1990;58 Suppl 1:16–21 (35 ref.)

THERAPY

[The treatment of ketoacidosis in children and adolescents with diabetes (simultaneous major ketosis and severe hypoglycemia)] Dieterlen P. **Ann Pediatr (Paris)** 1991 Apr; 38(4):240–3 (21 ref.) (Eng. Abstr.) **(Fre)**

HYPOGLYCEMIC AGENTS

ADMINISTRATION & DOSAGE

[Liposomes in diabetology] Kholodova EA, et al. **Probl Endokrinol (Mosk)** 1990 Nov–Dec;36(6):80–3 (85 ref.) **(Rus)**

IMMUNOLOGY

[Hypersensitivity to hypoglycemic sulfonylurea compounds. Are there cross–reactions?] Chichmanian RM, et al. **Therapie** 1991 Mar–Apr;46(2):163–7 (31 ref.) (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Use of sulfonylurea agents in older diabetic patients. Peters AL, et al. **Clin Geriatr Med** 1990 Nov;6(4):903–21 (74 ref.)
Treatment of NIDDM with insulin agonists or substitutes. Galloway JA. **Diabetes Care** 1990 Dec;13(12):1209–39 (179 ref.)
Combined insulin and sulfonylurea therapy for type 2 diabetes mellitus. Riddle MC. **Diabetes Res Clin Pract** 1991 Jan; 11(1):3–8 (17 ref.)
Utilisation of drugs for diabetes mellitus. Feldman HI, et al. **Drug Saf** 1991 May–Jun;6(3):220–9 (41 ref.)
The management of diabetes mellitus in older individuals. Morley JE, et al. **Drugs** 1991 Apr;41(4):548–65 (139 ref.)

HYPOGONADISM

Internal medicine and reproduction: male hypogonadism. Fabbrini A, et al. **Ann Ital Med Int** 1990 Jul–Sep;5(3 Pt 3):281–7 (20 ref.)

CONGENITAL

The syndrome of Möbius sequence, peripheral neuropathy, and hypogonadotropic hypogonadism. Kawai M, et al. **Am J Med Genet** 1990 Dec;37(4):578–82 (9 ref.)

DIAGNOSIS

[A case of Reifenstein syndrome] Hajima Y, et al. **Nippon Naika Gakkai Zasshi** 1990 Aug 10;79(8):1083–4 (3 ref.) **(Jpn)**

DRUG THERAPY

Update on pulsatile luteinizing hormone–releasing hormone therapy in males with idiopathic hypogonadotropic hypogonadism and delayed puberty. Giusti M, et al. **J Endocrinol Invest** 1991 May;14(5):419–29 (76 ref.)
Role of pulsatile luteinizing hormone releasing–hormone therapy in males with idiopathic hypogonadotropic hypogonadism and delayed puberty. Giusti M, et al. **Recenti Prog Med** 1991 Jan;82(1):47–53 (41 ref.)
[Treatment of male hypogonadotropic hypogonadism] Mastrogiacomo I, et al. **Minerva Endocrinol** 1990 Jan–Mar; 15(1):61–72 (61 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

[Female hypogonadism and preventive hormonal substitution] Hempel E. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):159–64 (18 ref.) **(Ger)**
[Male hypogonadism and gynecomastia] Schreiber G, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):165–70 (15 ref.) **(Ger)**

PHYSIOPATHOLOGY

Primary and secondary testicular insufficiency. Lee PA, et al. **Pediatr Clin North Am** 1990 Dec;37(6):1359–87 (60 ref.)

SURGERY

Current progress in studies of GnRH cell–containing brain grafts in hypogonadal mice. Gibson MJ, et al. **Prog Brain Res** 1990;82:169–78 (33 ref.)

THERAPY

[Treatment of sexual infantilism] Pombo M, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 42:70–4 (23 ref.) **(Spa)**

HYPOKALEMIA

Endocrine crises. Hypokalemia. Freedman BI, et al. **Crit Care Clin** 1991 Jan;7(1):143–53 (33 ref.)
Hypokalemic states: current clinical issues. Krishna GG. **Semin Nephrol** 1990 Nov;10(6):515–24 (101 ref.)

CHEMICALLY INDUCED

Metabolic adverse effects of thiazide diuretics: the importance of normokalaemia. Andersson OK, et al. **J Intern Med Suppl** 1991;735:89–96 (60 ref.)

COMPLICATIONS

Hyperthyroidism and periodic paralysis. Capobianco DJ. **J Fla Med Assoc** 1990 Oct;77(10):884–8 (34 ref.)

DIAGNOSIS

[Bartter's syndrome] Florczak E. **Przegl Lek** 1990; 47(7):546–50 (0 ref.) **(Pol)**

ETIOLOGY

[Hypokalemic paralysis disclosing vipoma (letter)] Drouet A, et al. **Ann Med Interne (Paris)** 1991;142(2):146–7 (13 ref.) **(Fre)**

HYPOLIPOPROTEINEMIA

Diagnosis and management of familial dyslipoproteinemia in children and adolescents. Kwiterovich PO Jr. **Pediatr Clin North Am** 1990 Dec;37(6):1489–523 (86 ref.)

BLOOD

Mechanisms of hypocholesterolemia. Malmendier CL, et al. **Adv Exp Med Biol** 1991;285:173–82 (51 ref.)

ETIOLOGY

Dyslipoproteinaemia of liver disease. Miller JP. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):807–32 (155 ref.)

PHYSIOPATHOLOGY

[Disorders of lipoprotein metabolism. I. The physiopathology] Ahumada Ayala M. **Arch Inst Cardiol Mex** 1991 Jan–Feb;61(1):79–91 (80 ref.) **(Spa)**

HYPOMENORRHEA see MENSTRUATION DISORDERS

HYPONATREMIA

The management of symptomatic hyponatremia. Sterns RH. **Semin Nephrol** 1990 Nov;10(6):503–14 (140 ref.)
[Hyponatremia in the aged person] Friedlander G, et al. **Nephrologie** 1990;11(5):281–4 (12 ref.) (Eng. Abstr.) **(Fre)**

HYPONATREMIA

ETIOLOGY

Hyponatraemia in patients with cirrhosis. Papadakis MA, et al. **Q J Med** 1990 Jul;76(279):675–88 (104 ref.)

[Hyponatremia in cirrhosis with ascites] Bronzi G, et al. **Minerva Med** 1990 Sep;81(9):591–6 (42 ref.) (Eng. Abstr.) **(Ita)**

[Endocrinological approach to symptoms and diagnosis of electrolyte abnormalities] Saito T. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):327–31 (4 ref.) **(Jpn)**

METABOLISM

[Hyponatremia in cirrhosis with ascites] Bronzi G, et al. **Minerva Med** 1990 Sep;81(9):591–6 (42 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

[Hyponatremia] Oelkers W. **Dtsch Med Wochenschr** 1990 Nov 9;115(45):1720–3 (19 ref.) **(Ger)**

THERAPY

Symptomatic hyponatremia: pathophysiology and management. Cheng JC, et al. **Acute Care** 1988–89; 14–15:270–92 (130 ref.)

Management of hyponatraemia. Swales JD. **Br J Anaesth** 1991 Aug;67(2):146–53 (42 ref.)

The management of hyponatremic emergencies. Sterns RH. **Crit Care Clin** 1991 Jan;7(1):127–42 (50 ref.)

Hyponatremia among older individuals. Rousseau P. **South Med J** 1991 Sep;84(9):1114–8 (24 ref.)

[Correction of severe hyponatremia: slow or rapid?] Seifert A, et al. **Dtsch Med Wochenschr** 1991 Jun 14;116(24):952–7 (23 ref.) **(Ger)**

HYPOPARATHYROIDISM

PSYCHOLOGY

The hypoparathyroid syndrome: psychiatric observations and case description. Levine Y, et al. **Isr J Psychiatry Relat Sci** 1990;27(4):242–6 (10 ref.)

HYPOPHARYNGEAL NEOPLASMS

SURGERY

[Cancer of the hypopharynx and cervical esophagus. Role and limits of the surgical treatment] Peracchia A, et al. **Chirurgie** 1990;116(4–5):351–7; discussion 357–8 (30 ref.) (Eng. Abstr.) **(Fre)**

[Partial surgery in treatment of cancers of the piriform sinus and lateral epilarynx] Piquet JJ, et al. **Arch Otorhinolaryngol Suppl** 1991;1:47–53 (13 ref.) **(Ger)**

[Larynx and hypopharynx cancers—endoscopic surgery with laser: possibilities and limits] Rudert H. **Arch Otorhinolaryngol Suppl** 1991;1:3–18 (56 ref.) **(Ger)**

HYPOPHARYNX

Pathogenesis and endoscopic treatment of the hypopharyngeal (Zenker's) diverticulum. Wouters B, et al. **Acta Gastroenterol Belg** 1990 May–Jun;53(3):323–9 (16 ref.)

SURGERY

Staple closure of the hypopharynx after diverticulectomy and total laryngectomy. Wolfensberger M, et al. **Dysphagia** 1991;6(1):26–9 (26 ref.)

HYPOPHOSPHATASIA

Hypophosphatasia in an adult: a case report. Nangaku M, et al. **Jpn J Med** 1991 Jan–Feb;30(1):47–52 (32 ref.)

METABOLISM

Hypophosphatasia and the extracellular metabolism of inorganic pyrophosphate: clinical and laboratory aspects. Caswell AM, et al. **Crit Rev Clin Lab Sci** 1991; 28(3):175–232 (361 ref.)

PATHOLOGY

Clinical disorders of vitamin D, renal osteodystrophy, and hypophosphatasia. Bontoux D, et al. **Curr Opin Rheumatol** 1990 Feb;2(1):12–9 (25 ref.)

HYPOPHOSPHATEMIA, FAMILIAL

GENETICS

X-linked hypophosphatemia. Genetic and clinical correlates. Hanna JD, et al. **Am J Dis Child** 1991 Aug;145(8):865–70 (53 ref.)

Conserved loci on the X chromosome confer phosphate homeostasis in mice and humans. Scriver CR, et al. **Genet Res** 1990 Oct–Dec;56(2–3):141–52 (123 ref.)

X-linked hypophosphatemia: an appreciation of a classic paper and a survey of progress since 1958 [comment] Scriver CR, et al. **Medicine (Baltimore)** 1991 May; 70(3):218–28 (102 ref.) Comment on: Medicine (Baltimore) 1991 May;70(3):215–7.

HYPOPHYSECTOMY

METHODS

Trans-sphenoidal hypophysectomy. Bateman GH. **Otolaryngol Clin North Am** 1971 Feb;4(1):205–15 (4 ref.)

Transsphenoidal hypophysectomy: a critical review. Siegel MB, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1990; 42:1002–7 (20 ref.)

[Neurosurgical therapy of hypophyseal adenomas] Besel R, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):141–5 (10 ref.) **(Ger)**

HYPOPHYSIS see **PITUITARY GLAND**

HYPOPITUITARISM

DIAGNOSIS

Hypopituitarism. Blondell RD. **Am Fam Physician** 1991 Jun; 43(6):2029–36 (19 ref.)

Office screening of pituitary reserve. Schroffner WG. **Hawaii Med J** 1990 Nov;49(11):423, 425–6 (15 ref.)

[Hormone inactive hypophyseal tumors and anterior hypophyseal insufficiency] Kröhne HJ, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):119–23 (14 ref.) **(Ger)**

DRUG THERAPY

Replacement therapy in hypothalamus-pituitary insufficiency: management in the adolescent. Stahnke N, et al. **Horm Res** 1990;33 Suppl 4:38–44 (43 ref.)

ETIOLOGY

[Early onset of hypopituitarism with pituitary stalk transection syndrome] Despert F, et al. **Arch Fr Pediatr** 1991 Apr;48(4):271–4 (12 ref.) (Eng. Abstr.) **(Fre)**

[Mitochondrial encephalomyopathy, lactic acidosis and stroke-like episodes (MELAS) associated with hypothalamo-pituitary hypofunction—a case report] Ishii A, et al. **Rinsho Shinkeigaku** 1991 Feb;31(2):179–83 (10 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Lymphocytic hypophysitis. The clinical spectrum of the disorder and evidence for an autoimmune pathogenesis [see comments] Pestell RG, et al. **Clin Endocrinol (Oxf)** 1990 Oct;33(4):457–66 (28 ref.) Comment in: Clin Endocrinol (Oxf) 1991 May;34(5):429–30.

THERAPY

[Treatment of hypopituitarism] Rizzi G. **Minerva Endocrinol** 1990 Jan–Mar;15(1):43–54 (16 ref.) (Eng. Abstr.) **(Ita)**

HYPOPOTASSEMIA see **HYPOKALEMIA**

HYPOPROTEINEMIA

see related
PROTEIN-LOSING ENTEROPATHIES

ETIOLOGY

Hypoproteinemia, anemia, and failure to thrive in an infant. Bines JE, et al. **Gastroenterology** 1991 Sep;101(3):848–56 (74 ref.)

HYPOPROTHROMBINEMIAS

Hypoprothrombinemia (factor II deficiency): report of a case and review of literature. Rahimi A, et al. **J Oral Maxillofac Surg** 1991 Jan;49(1):84–7 (26 ref.)

CHEMICALLY INDUCED

Antibiotic-associated hypoprothrombinemia: a review of prospective studies, 1966–1988. Shevchuk YM, et al. **Rev Infect Dis** 1990 Nov–Dec;12(6):1109–26 (136 ref.)

[Coagulation disorders caused by cephalosporins containing methylthiotetrazole side chains] Peetermans W, et al. **Acta Clin Belg** 1990;45(5):327–33 (29 ref.) (Eng. Abstr.) **(Dut)**

HYPOSALIVATION see **XEROSTOMIA**

HYPOSENSITIZATION THERAPY see **DESENSITIZATION, IMMUNOLOGIC**

HYPOSPADIAS

DIAGNOSIS

[A case of Reifenstein syndrome] Hajima Y, et al. **Nippon Naika Gakkai Zasshi** 1990 Aug 10;79(8):1083–4 (3 ref.) **(Jpn)**

EPIDEMIOLOGY

Genetic epidemiology of hypospadias. Harris EL. **Epidemiol Rev** 1990;12:29–40 (63 ref.)

SURGERY

The MAGPI hypospadias repair in 1111 patients. Duckett JW, et al. **Ann Surg** 1991 Jun;213(6):620–5; discussion 625–6 (22 ref.)

[Hypospadias] Koyanagi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Nov;81(11):1609–17 (75 ref.) **(Jpn)**

HYPOTENSION

CHEMICALLY INDUCED

Nitroglycerin-induced hypotension, bradycardia, and asystole: report of a case and review of the literature. Brandes W, et al. **Clin Cardiol** 1990 Oct;13(10):741–4 (18 ref.)

The use of vasoactive agents in the treatment of refractory hypotension seen in tricyclic antidepressant overdose. Buchman AL, et al. **J Clin Psychopharmacol** 1990 Dec; 10(6):409–13 (40 ref.)

[Side effects of vasodilator therapy in heart failure: risk of hypotension with ACE inhibitors] Kromer EP, et al. **Z Kardiol** 1991;80 Suppl 2:11–5 (36 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSIS

[Hypertension and hypotension in the newborn infant] Rankova S, et al. **Akush Ginekol (Sofiia)** 1990;29(6):68–72 (10 ref.) **(Bul)**

ETIOLOGY

Pathophysiologic aspects of plasma volume preservation during dialysis and ultrafiltration. Leunissen KM, et al. **Contrib Nephrol** 1990;78:201–11 (39 ref.)

[Exercise-induced systolic hypotension: diagnostic, prognostic and therapeutic significance] Auerbach I, et al. **Harefuah** 1991 Feb 1;120(3):141–6 (42 ref.) **(Heb)**

[The influence of hemodialysis treatment on cardiocirculatory function. Causes of hypotensive crisis] Maggiore Q, et al. **G Ital Cardiol** 1990 May;20(5):463–70 (23 ref.) **(Ita)**

PHYSIOPATHOLOGY

Postprandial blood pressure reduction. Jansen RW, et al. **Neth J Med** 1990 Aug;37(1–2):80–8 (70 ref.)

THERAPY

Hypotension: assessment and management. Tonkin AL, et al. **Med J Aust** 1990 Oct 15;153(8):474–8, 483–5 (49 ref.)

HYPOTENSION, CONTROLLED

METHODS

The choice of controlled hypotension during repair of intracranial aneurysms: techniques and complications. Lam AM. **Agressologie** 1990 Jun;31(6):357–9 (29 ref.)

Induced hypotension. Petrozza PH. **Int Anesthesiol Clin** 1990 Fall;28(4):223–9 (48 ref.)

Hypotensive anesthesia for microsurgery of the middle ear—a review. Khan FM. **Middle East J Anesthesiol** 1990 Jun; 10(5):507–17 (18 ref.)

HYPOTENSION, ORTHOSTATIC

DRUG THERAPY

[The treatment of orthostatic hypotension with metoclopramide] Laederach K, et al. **Schweiz Med Wochenschr** 1991 Feb 23;121(8):264–9 (42 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Orthostatic hypotension in the elderly] Zanotti E, et al. **Recenti Prog Med** 1991 Feb;82(2):110–4 (35 ref.) (Eng. Abstr.) **(Ita)**

HYPOTHALAMIC DISEASES

DIAGNOSIS

MR anatomy and pathology of the hypothalamus. Loes DJ, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):579–85 (3 ref.)

Lymphocytic hypophysitis with involvement of the cavernous sinus and hypothalamus. Nussbaum CE, et al. **Neurosurgery** 1991 Mar;28(3):440–4 (21 ref.)

DRUG THERAPY

Therapeutic effects of neuroactive drugs on hypothalamo-pituitary in man. Trainer PJ, et al. **Adv Exp Med Biol** 1990;274:165–76 (52 ref.)

[The role of pulsatile LHRH therapy in women: the treatment of delayed puberty and of hypothalamic amenorrhea] Giusti M, et al. **Recenti Prog Med** 1990 Nov;81(11):724–32 (63 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Disorders of the hypothalamic pulse generator: insufficient

or inappropriate gonadotropin-releasing hormone release. Casper RF. **Clin Obstet Gynecol** 1990 Sep;33(3):611-21 (57 ref.)

HYPOTHALAMIC HORMONES

CEREBROSPINAL FLUID

[The transventricular pathway of hypothalamic neurohormone distribution--the most ancient mechanism of neurohormonal regulation] Polenov AL, et al. **Zh Evol Biokhim Fiziol** 1990 May-Jun;26(3):405-20 (68 ref.) **(Rus)**

HYPOTHALAMIC NEOPLASMS

DIAGNOSIS

MR anatomy and pathology of the hypothalamus. Loes DJ, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):579-85 (3 ref.)

HYPOTHALAMIC SUBSTANCE P see SUBSTANCE P

HYPOTHALAMO-HYPOPHYSEAL SYSTEM

see related
PITUITARY HORMONE-RELEASING HORMONES

[Hypophyseal tumors and diabetes mellitus. Hypothalamus-hypophyseal correlations and glucose metabolism] Blasi C, et al. **Minerva Endocrinol** 1990 Jul-Sep;15(3):163-8 (43 ref.) (Eng. Abstr.) **(Ita)**

DRUG EFFECTS

Cytokines and the hypothalamic-pituitary-adrenal axis. Hermus AR, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):867-71 (46 ref.)

[Pharmacologic profile of protirelin tartrate] Angelucci L, et al. **Ann Ital Med Int** 1990 Jul-Sep;5(3 Pt 2):232-44 (106 ref.) (Eng. Abstr.) **(Ita)**

GROWTH & DEVELOPMENT

Glucose homeostasis and hypothalamic-pituitary-adrenocortical axis during development in rats. Widmaier EP. **Am J Physiol** 1990 Nov;259(5 Pt 1):E601-13 (131 ref.)

Ontogenic studies of the neural control of adenohypophyseal hormones in the rat: gonadotropins. Becú-Villalobos D, et al. **Cell Mol Neurobiol** 1990 Dec;10(4):473-84 (86 ref.)

METABOLISM

Dose-response relationships for omega 3/omega 6 effects. Lands WE. **World Rev Nutr Diet** 1991;66:177-94 (37 ref.)

PHYSIOLOGY

Therapeutic effects of neuroactive drugs on hypothalamo-pituitary in man. Trainer PJ, et al. **Adv Exp Med Biol** 1990;274:165-76 (52 ref.)

Regulation of the hypothalamo-pituitary axis by neuropeptide Y. Koenig JI. **Ann N Y Acad Sci** 1990; 611:317-28 (59 ref.)

Hypothalamic-pituitary mediated modulation of immune function: prolactin as a neuroimmune peptide. Chikanza IC, et al. **Br J Rheumatol** 1991 Jun;30(3):203-7 (60 ref.)

Endocrine function and regulation of the fetal and neonatal testis. Huhtaniemi I. **Int J Dev Biol** 1989 Mar;33(1):117-23 (38 ref.)

Neuroendocrine regulation of pulsatile luteinizing hormone secretion in elderly men. Kaufman JM, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):421-30 (42 ref.)

The central control of follicular maturation and ovulation in the human. Leyendecker G, et al. **Oxf Rev Reprod Biol** 1990;12:93-146 (256 ref.)

[Molecular basis of the communication of the nervous, endocrine and immune systems] Brunetti L. **Clin Ter** 1991 Mar 15;136(5):301-20 (254 ref.) (Eng. Abstr.) **(Ita)**

[Functional anatomy on the hypothalamic-hypophysial-adrenocortical axis] Daikoku S. **Nippon Hifuka Gakkai Zasshi** 1990 Nov;100(13):1312-5 (18 ref.) **(Jpn)**

[Imprinting of cytochrome P-450 and regulation of expression of its sex isoforms in the rat liver] Kobliakov VA, et al. **Vopr Onkol** 1990;36(12):1418-28 (69 ref.) **(Rus)**

PHYSIOPATHOLOGY

Hypothalamic-pituitary-adrenal axis in psychiatric disorders. Stokes PE, et al. **Annu Rev Med** 1991;42:519-31 (41 ref.)

Mechanisms of the pyrogenic actions of cytokines. Rothwell NJ. **Eur Cytokine Netw** 1990 Oct-Nov;1(4):211-3 (12 ref.)

Gonadotropin releasing hormone (GnRH): mode of action and clinical applications. A review. Simon A, et al. **Int J Fertil** 1990 Nov-Dec;35(6):350-62 (169 ref.)

How behavioral stress disrupts the endocrine control of reproduction in domestic animals. Moberg GP. **J Dairy Sci** 1991 Jan;74(1):304-11 (49 ref.)

Stress and the endocrine hypothalamus-pituitary-testis system: a review. Knol BW. **Vet Q** 1991 Apr;13(2):104-14 (92 ref.)

[Mitochondrial encephalomyopathy, lactic acidosis and stroke-like episodes (MELAS) associated with hypothalamo-pituitary hypofunction--a case report] Ishii A, et al. **Rinsho Shinkeigaku** 1991 Feb;31(2):179-83 (10 ref.) (Eng. Abstr.) **(Jpn)**

[Pathophysiology of systemic changes in premature menopause] Kolesnikova TN. **Akush Ginekol (Mosk)** 1990 Dec;(12):7-11 (81 ref.) **(Rus)**

SECRETION

Dynamic organization of endocrine networks. The neuroendocrine-reproductive axis and the pineal gland as examples. Reiter RJ, et al. **Ann N Y Acad Sci** 1991; 618:11-27 (41 ref.)

HYPOTHALAMUS

ANATOMY & HISTOLOGY

MR anatomy and pathology of the hypothalamus. Loes DJ, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):579-85 (3 ref.)

[Retino-hypothalamic pathways in vertebrates] Tilgner S, et al. **Klin Monatsbl Augenheilkd** 1990 Oct;197(4):295-301 (131 ref.) (Eng. Abstr.) **(Ger)**

CYTOLOGY

Effects of thyroid hormones on the hypothalamic dopaminergic neurons. Reymond MJ, et al. **Adv Exp Med Biol** 1990;274:257-70 (74 ref.)

DRUG EFFECTS

Danazol. Donaldson VH. **Am J Med** 1989 Sep; 87(3N):49N-55N (92 ref.)

GROWTH & DEVELOPMENT

Aging of the reproductive-neuroimmune axis. A crucial role for the hypothalamic neuropeptide luteinizing hormone-releasing hormone. Marchetti B, et al. **Ann N Y Acad Sci** 1991;621:159-73 (46 ref.)

Development of spontaneous synaptic activity in a hypothalamic network grown in culture. Swandulla D, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan-Dec; 1(1-4):57-63 (16 ref.)

METABOLISM

Cellular mechanisms underlying the development and expression of individual differences in the hypothalamic-pituitary-adrenal stress response. Meaney MJ, et al. **J Steroid Biochem Mol Biol** 1991 Aug; 39(2):265-74 (90 ref.)

Endocrine control of hypothalamic and pituitary met-enkephalin and beta-endorphin contents. Tang F. **Neuroendocrinology** 1991;53 Suppl 1:68-76 (46 ref.)

Aging: hypothalamic catecholamines, neuroendocrine-immune interactions, and dietary restriction. Meites J. **Proc Soc Exp Biol Med** 1990 Dec; 195(3):304-11 (60 ref.)

PHYSIOLOGY

Hypothalamic neuropeptide Y: a circuit in the regulation of gonadotropin secretion and feeding behavior. Kalra SP, et al. **Ann N Y Acad Sci** 1990;611:273-83 (59 ref.)

Neuroendocrinology of the hypothalamo-pituitary-adrenal axis in pregnancy and the puerperium. Smith R, et al. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):167-86 (93 ref.)

Inhibition of gastric acid secretion by cholinergic stimulation of the lateral hypothalamic area. Gontijo JA, et al. **Braz J Med Biol Res** 1990;23(3-4):361-5 (20 ref.)

The hypothalamic pulse generator: the reproductive core. Veldhuis JD. **Clin Obstet Gynecol** 1990 Sep;33(3):538-50 (27 ref.)

Endocrinology of male fertility and infertility. Schlaff WD, et al. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):412-7 (24 ref.)

The role of the hippocampus in feedback regulation of the hypothalamic-pituitary-adrenocortical axis. Jacobson L, et al. **Endocr Rev** 1991 May;12(2):118-34 (159 ref.)

Immunoreactive GnRH in hypothalamic and extrahypothalamic areas. Chieffi G, et al. **Int Rev Cytol** 1991;127:1-55 (297 ref.)

The hypothalamus in MPTP-induced parkinsonism. Sandyk R, et al. **Ital J Neurol Sci** 1990 Aug;11(4):367-72 (50 ref.)

The trigger for parturition in sheep: fetal hypothalamus or placenta? Thorburn GD, et al. **J Dev Physiol** 1991 Feb; 15(2):71-9 (54 ref.)

The interaction between mediobasohypothalamic dopaminergic and endorphinergic neuronal systems as a key regulator of reproduction: an hypothesis. Rasmussen DD. **J Endocrinol Invest** 1991 Apr;14(4):323-52 (324 ref.)

Vasoactive intestinal peptide in the hypothalamus and pituitary. Lam KS. **Neuroendocrinology** 1991;53 Suppl 1:45-51 (68 ref.)

Forebrain nuclei involved in autonomic control. Loewy AD. **Prog Brain Res** 1991;87:253-68 (66 ref.)

Neurophysiology and neuropharmacology of hypothalamic magnocellular neurons secreting vasopressin and oxytocin. Renaud LP, et al. **Prog Neurobiol** 1991;36(2):131-69 (630 ref.)

[Mechanisms regulating the biosynthesis and release of neurohormones of the neurohypophysis] Guzek JW. **Acta Physiol Pol** 1989;40 Suppl 34:11-28 (89 ref.) **(Pol)**

[The endocrine hypothalamus] Zurnadzhi IuN. **Arkh Patol** 1991;53(1):3-8 (57 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Psychological aspects of hypothalamo-pituitary-adrenal activity. Ur E. **Baillieres Clin Endocrinol Metab** 1991 Mar; 5(1):79-96 (113 ref.)

Disorders of the hypothalamic pulse generator: insufficient or inappropriate gonadotropin-releasing hormone release. Casper RF. **Clin Obstet Gynecol** 1990 Sep;33(3):611-21 (57 ref.)

Hypothalamic compensatory mechanisms in Parkinson's disease. Sandyk R. **Int J Neurosci** 1989 Jan;44(1-2):135-42 (68 ref.)

Biochemical switching in hypothalamic circuits mediating responses to stress. Swanson LW. **Prog Brain Res** 1991; 87:181-200 (83 ref.)

[Menstrual cycle, opioids and hypothalamic amenorrhea: from physiology to pathology] Krause B, et al. **Zentralbl Gynakol** 1990;112(12):725-33 (0 ref.) (Eng. Abstr.) **(Ger)**

SECRETION

Circulating blood glucose and hypothalamic-pituitary secretion. Grino M, et al. **Adv Exp Med Biol** 1990; 274:391-406 (58 ref.)

Opioid modulation of gonadotropin and prolactin secretion in domestic farm animals. Barb CR, et al. **Domest Anim Endocrinol** 1991 Jan;8(1):15-27 (105 ref.)

Central neuroregulation of hypothalamic corticotropin-releasing hormone (CRH-41) secretion. Tsagarakis S, et al. **J Endocrinol Invest** 1990 Oct; 13(9):765-75 (80 ref.)

HYPOTHALAMUS, ANTERIOR

CYTOLOGY

An update on thermosensitive neurons in the brain: from cellular biology to thermal and non-thermal homeostatic functions. Hori T. **Jpn J Physiol** 1991;41(1):1-22 (71 ref.)

HYPOTHALAMUS, SUPRAOPTIC see HYPOTHALAMUS, ANTERIOR

HYPOTHERMIA

New horizons in management of hypothermia and frostbite injury. Britt LD, et al. **Surg Clin North Am** 1991 Apr; 71(2):345-70 (162 ref.)

CHEMICALLY INDUCED

Toxic-induced hypothermia and hypometabolism: do they increase uncertainty in the extrapolation of toxicological data from experimental animals to humans? Gordon CJ. **Neurosci Biobehav Rev** 1991 Spring;15(1):95-8 (28 ref.)

ETIOLOGY

Hypothyroidism presenting as hypothermia following pre-eclampsia at 23 weeks gestation. Case report and review of the literature. Mizgala L, et al. **Br J Obstet Gynaecol** 1991 Feb;98(2):221-4 (20 ref.)

[Hypothermia and multiple sclerosis. A case with 3 episodes of transient hypothermia] Ghawche F, et al. **Rev Neurol (Paris)** 1990;146(12):767-9 (15 ref.) (Eng. Abstr.) **(Fre)**

[Unintentional intraoperative hypothermia] Chepkii LP, et al. **Klin Khir** 1990;(12):51-5 (68 ref.) **(Rus)**

PHYSIOPATHOLOGY

Interactions between hypoxia and hypothermia. Wood SC. **Annu Rev Physiol** 1991;53:71-85 (78 ref.)

PREVENTION & CONTROL

Blood warming: current applications and techniques. Iserson KV, et al. **Transfusion** 1991 Jul-Aug;31(6):558-71 (145 ref.)

THERAPY

Update on trauma care in Canada. 5. Trauma and hypothermia. McCallum AL. **Can J Surg** 1990 Dec; 33(6):457-60 (27 ref.)

HYPOTHERMIA, INDUCED

Aneurysms of the ascending aorta: surgical treatment using hypothermic arrest. Cooley DA. **Cardiology** 1990; 77(5):373-87 (20 ref.)

HYPOTHYROIDISM

Pregnancy and thyroid disease. Lowe TW, et al. **Clin Obstet Gynecol** 1991 Mar;34(1):72-81 (40 ref.)

Assessment and management of hypothyroidism. Yeomans AC. **Nurse Pract** 1990 Nov;15(11):8, 11-6 (13 ref.)

BLOOD

[Hypothyroidism and acanthocytes: diagnostic significance of blood smear] Betticher DC, et al. **Schweiz Med Wochenschr** 1991 Aug 6;121(31–32):1127–32 (75 ref.) (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

[Iodine containing drugs and thyroid gland function. A diagnostic and therapeutic problem] Weissel M. **Acta Med Austriaca** 1991;18(1):6–11 (54 ref.) (Eng. Abstr.) **(Ger)**

CLASSIFICATION

Proposed classification of congenital primary hypothyroidism. Schoen EJ, et al. **Clin Pediatr (Phila)** 1990 Dec;29(12):731–2 (13 ref.)

COMPLICATIONS

Addison's disease and sarcoidosis: unusual frequency of co–existing hypothyroidism (Schmidt's syndrome) [letter] Walz B, et al. **Am J Med** 1990 Nov;89(5):692–3 (10 ref.)

Hypothyroidism presenting as hypothermia following pre–eclampsia at 23 weeks gestation. Case report and review of the literature. Mizgala L, et al. **Br J Obstet Gynaecol** 1991 Feb;98(2):221–4 (20 ref.)

Anesthetic management of a hypothyroid cardiac surgical patient. Whitten CW, et al. **J Cardiothorac Vasc Anesth** 1991 Apr;5(2):156–9 (28 ref.)

CONGENITAL

Recent progress in neonatal mass screening for congenital hypothyroidism and adrenal hyperplasia using enzyme immunoassays. Tsuji A, et al. **Adv Clin Chem** 1990; 28:109–43 (63 ref.)

Clinical review 19: Management of congenital hypothyroidism. Fisher DA. **J Clin Endocrinol Metab** 1991 Mar;72(3):523–9 (13 ref.)

Diagnostic dilemmas. Results of screening tests for congenital hypothyroidism. Willi SM, et al. **Pediatr Clin North Am** 1991 Jun;38(3):555–66 (19 ref.)

DIAGNOSIS

Diagnostic dilemmas. Results of screening tests for congenital hypothyroidism. Willi SM, et al. **Pediatr Clin North Am** 1991 Jun;38(3):555–66 (19 ref.)

[Hypothyroidism. Emphasis on clinical aspects or laboratory tests? Report about well known facts which, however, can be doubted] Rootwelt K. **Tidsskr Nor Laegeforen** 1991 Jan 20;111(2):209–14 (17 ref.) (Eng. Abstr.) **(Nor)**

DRUG THERAPY

Thyroxine replacement therapy [comment] Toft AD. **Clin Endocrinol (Oxf)** 1991 Feb;34(2):103–5 (29 ref.) Comment on: Clin Endocrinol (Oxf) 1991 Feb;34(2):115–8.

ETIOLOGY

[Hypothyroidism and isochromosome X in Turner's syndrome] Garcia Cuartero B, et al. **An Esp Pediatr** 1991 Feb;34(2):161–2 (8 ref.) **(Spa)**

PHYSIOPATHOLOGY

Pathophysiology of Hashimoto's thyroiditis and hypothyroidism. Rapoport B. **Annu Rev Med** 1991;42:91–6 (22 ref.)

VETERINARY

Current diagnostic techniques for evaluating thyroid function in the dog. Beale KM. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1429–41 (59 ref.)

HYPOVENTILATION, CENTRAL ALVEOLAR see **SLEEP APNEA SYNDROMES**

HYPOVOLEMIC SHOCK see **SHOCK**

HYPOXANTHINE–GUANINE PHOSPHORIBOSYLTRANSFERASE see **HYPOXANTHINE PHOSPHORIBOSYLTRANSFERASE**

HYPOXANTHINE PHOSPHORIBOSYLTRANSFERASE

see related
LESCH–NYHAN SYNDROME

DEFICIENCY

[HPRT deficiency] Fujimori S, et al. **Nippon Rinsho** 1991 May;49(5):1036–42 (32 ref.) **(Jpn)**

[Screening for enzyme abnormality causing hyperuricemia] Higashino K, et al. **Nippon Rinsho** 1991 May;49(5):1009–15 (21 ref.) **(Jpn)**

GENETICS

Molecular analysis of mutation at the human hprt locus. Lambert B, et al. **Acta Physiol Scand Suppl** 1990;592:85–92 (19 ref.)

Identification of 17 independent mutations responsible for human hypoxanthine–guanine phosphoribosyltransferase (HPRT) deficiency. Davidson BL, et al. **Am J Hum Genet** 1991 May;48(5):951–8 (22 ref.)

In vivo somatic mutations in humans: measurement and analysis. Albertini RJ, et al. **Annu Rev Genet** 1990;24:305–26 (101 ref.)

HYPOXEMIA see **ANOXEMIA**

HYPOXIA see **ANOXIA**

HYPOXIA, CELLULAR see **CELL HYPOXIA**

HYPSARRHYTHMIA see **SPASMS, INFANTILE**

HYSTERECTOMY

Antibiotic prophylaxis in hysterectomy and induced abortion. A review of the evidence. Houang ET. **Drugs** 1991 Jan; 41(1):19–37 (102 ref.)

Hysterectomy. A critical review. Bachmann GA. **J Reprod Med** 1990 Sep;35(9):839–62 (355 ref.)

[Indications and results of autotransfusion. Normovolemic hemodilution in gynecology–obstetrics] Bouret JM, et al. **Rev Fr Gynecol Obstet** 1990 Jul–Sep;85(7–9):455–9 (13 ref.) (Eng. Abstr.) **(Fre)**

[Infections in obstetric–gynecologic surgery: chemo–antibiotic prophylaxis and therapy. A bibliographic review] Franchi M, et al. **Ann Ostet Ginecol Med Perinat** 1990 Sep–Oct; 111(5):296–320 (185 ref.) (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Evaluating cervical cone biopsy specimens with frozen sections at hysterectomy. Neiger R, et al. **J Reprod Med** 1991 Feb;36(2):103–7 (28 ref.)

VETERINARY

The ovarian remnant syndrome in the bitch and queen. Wallace MS. **Vet Clin North Am Small Anim Pract** 1991 May;21(3):501–7 (21 ref.)

HYSTERECTOMY, VAGINAL

Does today's vaginal surgery still have a specific role in the treatment of endometrial cancer? Carenza L, et al. **Ann N Y Acad Sci** 1991;622:477–84 (13 ref.)

Post–hysterectomy extra–uterine endometrial stromal sarcoma: a case report. Kaseki H, et al. **Jpn J Clin Oncol** 1990 Dec;20(4):413–9 (21 ref.)

HYSTERIA

Somatization disorder: defining its role in clinical medicine. Smith RC. **J Gen Intern Med** 1991 Mar–Apr;6(2):168–75 (72 ref.)

PSYCHOLOGY

Psychogenic voice disorders: literature review and case report. Matas M. **Can J Psychiatry** 1991 Jun;36(5):363–5 (28 ref.)

[Cultural relativity of hysteria as a nosographic entity. Hysteria and antisocial behavior] Lucchi N, et al. **Minerva Psichiatr** 1990 Jul–Sep;31(3):151–4 (12 ref.) (Eng. Abstr.) **(Ita)**

HYSTERIA, CONVERSION see **CONVERSION DISORDER**

HYSTERIA, DISSOCIATIVE see **DISSOCIATIVE DISORDERS**

HYSTERICAL NEUROSES see **HYSTERIA**

HYSTEROSALPINGOGRAPHY

Hysterosalpingography. Karasick S. **Urol Radiol** 1991; 13(1):67–73 (23 ref.)

TRENDS

Hysterosalpingography in the 1990s. Yoder IC, et al. **AJR Am J Roentgenol** 1991 Oct;157(4):675–83 (71 ref.)

VETERINARY

Diagnostic imaging of the reproductive organs of the bitch. Methods and limitations. Rivers B, et al. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):437–66 (45 ref.)

HYSTEROSCOPY

see related
HYSTEROSALPINGOGRAPHY

[Hysteroscopy—its current role and trends] Hepp H, et al. **Gynakologe** 1991 Feb;24(1):64–71 (96 ref.) **(Ger)**

[Hysteroscopy as a method of evaluation of endometrial pathology during climacteric] Canino A, et al. **Minerva Ginecol** 1991 May;43(5):217–22 (19 ref.) (Eng. Abstr.) **(Ita)**

INSTRUMENTATION

Intrauterine applications of the resectoscope. McLucas B. **Surg Gynecol Obstet** 1991 Jun;172(6):425–31 (48 ref.)

METHODS

Surgical alternatives to hysterectomy for intractable menorrhagia [see comments] Boto TC, et al. **Br J Hosp Med** 1990 Aug;44(2):93–9 (50 ref.) Comment in: Br J Hosp Med 1990 Nov;44(5):318.

Hyskon complications in hysteroscopic surgery. McLucas B. **Obstet Gynecol Surv** 1991 Apr;46(4):196–200 (29 ref.)

[Current diagnostic and therapeutic procedures in reproduction medicine. Salpingoscopy and surgical hysteroscopy] Campo RL, et al. **Gynakologe** 1990 Aug; 23(4):214–21 (39 ref.) **(Ger)**

HYSTRIX see **RODENTIA**

I BLOOD–GROUP SYSTEM

IMMUNOLOGY

The Ii and P blood group systems. Marcus DM. **Immunol Ser** 1989;43:701–12 (30 ref.)

[Donath–Landsteiner antibody of the IgM class with anti–I specificity and possible efficacy of azathioprine therapy in paroxysmal cold hemoglobinuria: a case report] Nakamura H, et al. **Rinsho Ketsueki** 1990 Sep;31(9):1548–52 (14 ref.) (Eng. Abstr.) **(Jpn)**

I–CELL DISEASE see **MUCOLIPIDOSIS**

IA ANTIGENS see **HISTOCOMPATIBILITY ANTIGENS CLASS II**

IA–LIKE ANTIGENS see **HISTOCOMPATIBILITY ANTIGENS CLASS II**

IA–LIKE ANTIGENS, HUMAN see **HLA–D ANTIGENS**

IAP PERTUSSIS TOXIN see **PERTUSSIS TOXINS**

IATROGENIC DISEASE

Iatrogenic spinal subdural haematoma. Bills DC, et al. **Aust N Z J Surg** 1991 Sep;61(9):703–6 (25 ref.)

[Iatrogenic diseases induced by drugs] Moreno Martín J. **An Esp Pediatr** 1990 Oct;33 Suppl 41:17–24 (71 ref.) **(Spa)**

EPIDEMIOLOGY

[Incidence and severity of drug interactions in the elderly: a prospective study of 639 patients] Manchon ND, et al. **Rev Med Interne** 1989 Nov–Dec;10(6):521–5 (15 ref.) (Eng. Abstr.) **(Fre)**

[Characteristic therapeutic errors in the clinical course of internal diseases] Permiakov NK. **Ter Arkh** 1991; 63(2):111–20 (40 ref.) **(Rus)**

IBUPROFEN

Ibuprofen: a monograph. Aycock DG. **Am Pharm** 1991 Jan; NS31(1):46–9 (18 ref.)

ADVERSE EFFECTS

[Generalized status epilepticus after ingestion of ibuprofen (Brufen), disclosing systemic lupus erythematosus] Lortholary A, et al. **Rev Med Interne** 1990 May–Jun; 11(3):243–4 (12 ref.) (Eng. Abstr.) **(Fre)**

ANALOGS & DERIVATIVES

[Methoxybutropate in the therapy of PID (pelvic inflammatory diseases)] Stillo A, et al. **Minerva Ginecol** 1991 Jan–Feb;43(1–2):57–9 (14 ref.) (Eng. Abstr.) **(Ita)**

ICE

Molecular aspects of microbial ice nucleation. Warren G, et al. **Mol Microbiol** 1991 Feb;5(2):239–43 (31 ref.)

ICHTHYOSIFORM ERYTHRODERMA, CONGENITAL

PATHOLOGY

Ptychotropism as a cutaneous feature of the CHILD syndrome. Happle R. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 1):763–6 (19 ref.)

ICHTHYOSIS

The keratitis, ichthyosis, and deafness syndrome. Morris MR, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):526–8 (14 ref.)

All about ichthyosis. Shwayder T, et al. **Pediatr Clin North Am** 1991 Aug;38(4):835–57 (57 ref.)

[Understanding of ichthyosis] Traupe H. **Ann Dermatol Venereol** 1991;118(6–7):487–96 (41 ref.) **(Fre)**

COMPLICATIONS

[Digestive and nutritional manifestations of Netherton's syndrome] Pradeaux L, et al. **Arch Fr Pediatr** 1991 Feb; 48(2):95–8 (18 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Ichthyosiform scaling secondary to megavoltage radiotherapy. Ross EV. **Cutis** 1991 Jul;48(1):59–60 (5 ref.)

PATHOLOGY

Ichthyosis, exocrine pancreatic insufficiency, impaired neutrophil chemotaxis, growth retardation, and metaphyseal dysplasia (Shwachman syndrome). Report of a case with extensive skin lesions (clinical, histological, and ultrastructural findings). Goeteyn M, et al. **Arch Dermatol** 1991 Feb;127(2):225–30 (21 ref.)

ICHTHYOSIS, LAMELLAR see **ICHTHYOSIFORM ERYTHRODERMA, CONGENITAL**

ICHTHYOSIS, SEX-LINKED see **ICHTHYOSIS, X-LINKED**

ICHTHYOSIS, X-LINKED

Major autosomal recessive ichthyoses. Finlay AY. **Semin Dermatol** 1988 Mar;7(1):26–36 (50 ref.)

ICI-46474 see **TAMOXIFEN**

ICI 66082 see **ATENOLOL**

ICRF 159 see **RAZOXANE**

ICSH see **LH**

ICSH RECEPTORS see **RECEPTORS, LH**

ICTERUS see **JAUNDICE**

ICTERUS GRAVIS NEONATORUM see **ERYTHROBLASTOSIS, FETAL**

IDARUBICIN

THERAPEUTIC USE

Idarubicin: a second-generation anthracycline. Fields SM, et al. **DICP** 1991 May;25(5):505–17 (103 ref.)

IDDM see **DIABETES MELLITUS, INSULIN-DEPENDENT**

IDENTIFICATION (PSYCHOLOGY)

Depression and moral identity in adolescence. Reinhard HG. **Acta Paedopsychiatr** 1990;53(2):104–25 (100 ref.)

Clarification of projective identification. Goldstein WN. **Am J Psychiatry** 1991 Feb;148(2):153–61 (34 ref.)

IDENTIFICATION, SOCIAL see **SOCIAL IDENTIFICATION**

IDENTITY CRISIS

Gender identity conflicts in adolescents as motivation for suicide. Cohen Y. **Adolescence** 1991 Spring;26(101):19–29 (10 ref.)

IDIOCY see **MENTAL RETARDATION**

IDIOPATHIC HYPERCATABOLIC HYPOPROTEINEMIA see **PROTEIN-LOSING ENTEROPATHIES**

IDIOPATHIC HYPERTROPHIC SUBAORTIC STENOSIS see **CARDIOMYOPATHY, HYPERTROPHIC**

IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS see **CARDIOMYOPATHY, HYPERTROPHIC**

IDIOTYPES, IMMUNOGLOBULIN see **IMMUNOGLOBULIN IDIOTYPES**

IDOXURIDINE

DIAGNOSTIC USE

[Cell proliferation in human cerebral tumors. In vivo study of 45 cases by incorporation of 5-iododesoxyuridine] Duprez A, et al. **Neurochirurgie** 1990;36(3):157–66 (35 ref.) (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Potential for tumor therapy with iodine-125 labeled immunoglobulins. Adelstein SJ, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):43–4 (10 ref.)

IGA

Necrobiotic xanthogranuloma with IgA multiple myeloma: a case report and literature review. Valentine EA, et al. **Am J Hematol** 1990 Dec;35(4):283–5 (6 ref.)

The structure and function of human IgA. Kerr MA. **Biochem J** 1990 Oct 15;271(2):285–96 (197 ref.)

[A case of idiopathic plasmacytic lymphadenopathy with polyclonal hyperimmunoglobulinemia associated with chronic renal failure] Kondo M, et al. **Nippon Jinzo Gakkai Shi** 1990 Oct;32(10):1133–7 (12 ref.) (Eng. Abstr.) **(Jpn)**

ANALYSIS

Linear IgA dermatosis and Hodgkin's lymphoma--report of a case in an African and review of the literature. Jacyk WK, et al. **J Dermatol** 1990 Oct;17(10):633–7 (13 ref.)

Adult linear immunoglobulin A disease manifesting as desquamative gingivitis. Porter SR, et al. **Oral Surg Oral Med Oral Pathol** 1990 Oct;70(4):450–3 (45 ref.)

Evolving concept of IgA linear dermatosis. Chorzelski T, et al. **Semin Dermatol** 1988 Sep;7(3):225–32 (84 ref.)

BIOSYNTHESIS

Immunoregulatory confluence: T cells, Fc receptors and cytokines for IgA immune responses. Kiyono H, et al. **Int Rev Immunol** 1990;6(4):263–73 (46 ref.)

Regulation of IgA B-cell development in the mucosal immune system. Strober W. **J Clin Immunol** 1990 Nov;10(6 Suppl):56S–61S; discussion 61S–63S (15 ref.)

DEFICIENCY

IgA deficiency. Strober W, et al. **Ann Allergy** 1991 May; 66(5):363–75 (107 ref.)

Central MHC genes, IgA deficiency and autoimmune disease [see comments] French MA, et al. **Immunol Today** 1990 Aug;11(8):271–4 (52 ref.) Comment in: Immunol Today 1991 Apr;12(4):134–6.

[Selective deficiency of IgA] Antela López A, et al. **An Med Interna** 1990 Apr;7(4):198–202 (101 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Immunoregulatory factors in the pathogenesis of IgA nephropathy [clinical conference] Emancipator SN. **Kidney Int** 1990 Dec;38(6):1216–29 (160 ref.)

Atypical antiglomerular basement membrane disease associated with thin membrane nephropathy. de Caestecker MP, et al. **Nephrol Dial Transplant** 1990;5(11):909–13 (25 ref.)

[Correlation between IGA from colostrum and serum and IGA is closer than between salivary IGA and total IGA] Tallería Orriols JJ, et al. **An Esp Pediatr** 1990 Jul;33(1):31–5 (40 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

Brain, eye, kidney, and IgA. Filtration and selective immune deposition [editorial] Peress NS, et al. **Arch Pathol Lab Med** 1991 Apr;115(4):327–8 (29 ref.)

Anti-gliadin antibodies. Troncone R, et al. **J Pediatr Gastroenterol Nutr** 1991 Feb;12(2):150–8 (102 ref.)

Receptors for IgA and IgE on T and B lymphocytes: development, regulation and function. Lynch RG, et al. **Res Immunol** 1990 Mar-Apr;141(3):241–8 (53 ref.)

THERAPEUTIC USE

Prophylaxis of necrotizing enterocolitis by oral IgA-IgG: review of a clinical study in low birth weight infants and discussion of the pathogenic role of infection. Eibl MM, et al. **J Clin Immunol** 1990 Nov;10(6 Suppl):72S–77S; discussion 77S–79S (46 ref.)

IGA, EXOCRINE see **IGA, SECRETORY**

IGA GLOMERULONEPHRITIS see **GLOMERULONEPHRITIS, IGA**

IGA NEPHROPATHY see **GLOMERULONEPHRITIS, IGA**

IGA, SECRETORY

Secretory immunoglobulin A in hepatobiliary diseases. Vuitton DA, et al. **Dig Dis** 1991;9(2):78–91 (69 ref.)

[Secretory IgA. Recent progress] Di Nola F, et al. **Minerva Med** 1991 Jun;82(6):313–24 (61 ref.) (Eng. Abstr.) **(Ita)**

ANALYSIS

Antibody-mediated immunity in the neonate. Hanson LA, et al. **Padiatr Padol** 1990;25(5):371–6 (25 ref.)

BIOSYNTHESIS

The role of IgA in local immune protection. Goldblum RM. **J Clin Immunol** 1990 Nov;10(6 Suppl):64S–70S; discussion 70S–71S (26 ref.)

IMMUNOLOGY

Secretory antibody response to viral vaccines. Ogra PL, et al. **Prog Med Virol** 1990;37:156–89 (139 ref.)

[Emotional status and immunoglobulin A in saliva--review of the literature] Kugler J. **Psychother Psychosom Med Psychol** 1991 Jun;41(6):232–42 (95 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

The human secretory immune system. Tischner H. **Z Erkr Atmungsorgane** 1991;176(2-3):91–7 (30 ref.)

IGD

IgD immune complex vasculitis in a patient with hyperimmunoglobulinemia D and periodic fever. Boom BW, et al. **Arch Dermatol** 1990 Dec;126(12):1621–4 (23 ref.)

ANALYSIS

Immunoglobulin D benign monoclonal gammopathy. A case report. O'Connor ML, et al. **Cancer** 1991 Aug 1;68(3):611–6 (16 ref.)

METABOLISM

[The successful use of natural alpha-interferon single therapy in multiple myeloma of IgD (lambda)-type] Suzuki A, et al. **Rinsho Ketsueki** 1991 Jan;32(1):47–51 (15 ref.) (Eng. Abstr.) **(Jpn)**

IGE

Molecular genetics and biology of two different species of Fc epsilon RII. Kikutani H, et al. **Res Immunol** 1990 Mar-Apr;141(3):249–58 (48 ref.)

BIOSYNTHESIS

Role of CD23 in IgE regulation ... and beyond. Gordon J, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991;21B:983–8 (14 ref.)

Membrane IgE and adenyl cyclase activity in the dynamics of bronchospasm. Ketotifen as a blocker of antigen action. Oehling A, et al. **Allergol Immunopathol (Madr)** 1990 Jul-Aug;18(4):237–40 (15 ref.)

An update on human CD23 (Fc epsilon RII). Fc epsilon RII and IgE-BFs (soluble CD23) play an essential role in the regulation of human IgE synthesis. Delespesse G, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:153–61 (38 ref.)

The IgE response in atopy and infections. Maggi E, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:72–8 (23 ref.)

Dysregulation of IgE responses and airway allergic inflammation in atopic individuals. Ricci M, et al. **Clin Exp Allergy** 1990 Nov;20(6):601–9 (52 ref.)

Can persistent IgE responses be suppressed? Kemeny DM, et al. **Clin Exp Immunol** 1990 Dec;82(3):423–6 (69 ref.)

Regulation of IgE synthesis in humans: a tale of two signals. Vercelli D, et al. **J Allergy Clin Immunol** 1991 Sep;88(3 Pt 1):285–95 (100 ref.)

Regulation of IgE synthesis by CD4+ human T-cell subsets. Romagnani S, et al. **Res Immunol** 1991 Jan;142(1):63–7 (23 ref.)

The role of interleukin-4 in IgE and IgG subclass formation. Spiegelberg HL. **Springer Semin Immunopathol** 1990; 12(4):365–83 (70 ref.)

[Present views on the regulation of IgE synthesis] Hrušković I, et al. **Cesk Pediatr** 1990 May;45(5):279–82 (21 ref.) (Eng. Abstr.) **(Slo)**

GENETICS

Molecular genetics of human immune responsiveness to pollen allergens. Marsh DG, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:168–72 (24 ref.)

IMMUNOLOGY

IgE and immediate hypersensitivity. Tharp MD. **Dermatol Clin** 1990 Oct;8(4):619–31 (165 ref.)

Environmental stress and immunity: possible implications for IgE-mediated allergy. Parker CW. **Perspect Biol Med** 1991 Winter;34(2):197–212 (85 ref.)

The structural requirements of epitopes with IgE binding capacity demonstrated by three major allergens from fish, egg and tree pollen. Elsayed S, et al. **Scand J Clin Lab Invest Suppl** 1991;204:17–31 (65 ref.)

[Hyperimmunoglobulinemia E (Job) syndrome] Kriván G, et al. **Orv Hetil** 1991 Feb 17;132(7):369–72 (23 ref.) (Eng. Abstr.) **(Hun)**

[The role of maternal body in the development of allergic reactivity in a newborn infant] Kuznetsova AV. **Akush Ginekol (Mosk)** 1991 May;(5):14–5 (26 ref.) **(Rus)**

METABOLISM

IgE and atopic dermatitis. Bruijnzeel-Koomen C, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:294–301 (49 ref.)

Immunoglobulin E receptors. Gould H, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:138–47 (22 ref.)

Molecular biology of IgE-binding protein, IgE-binding factors, and IgE receptors. Liu FT. **Crit Rev Immunol** 1990; 10(3):289–306 (116 ref.)

Regulation and deregulation of human IgE synthesis. Romagnani S. **Immunol Today** 1990 Sep;11(9):316–21 (43

ref.)
Receptors for IgA and IgE on T and B lymphocytes: development, regulation and function. Lynch RG, et al. **Res Immunol** 1990 Mar-Apr;141(3):241-8 (53 ref.)

PHYSIOLOGY

T cells, IgE antibodies, cytokines and allergic inflammation. Del Prete G, et al. **Allerg Immunol (Paris)** 1991 Jun; 23(6):239-43 (22 ref.)
Immunoglobulin E, mast cells, endogenous antigens, and arthritis. Gruber BL. **Rheum Dis Clin North Am** 1991 May; 17(2):333-42 (84 ref.)
The IgE receptor of eosinophils. Capron M, et al. **Springer Semin Immunopathol** 1990;12(4):327-48 (102 ref.)
Fc epsilon receptor II-positive macrophages and platelets: potent effector cells in allergy and defence against helminth parasites. Dessaint JP, et al. **Springer Semin Immunopathol** 1990;12(4):349-63 (78 ref.)
The receptor for the Fc region of IgE. Keegan AD, et al. **Springer Semin Immunopathol** 1990;12(4):303-26 (157 ref.)
Histamine-releasing factors and heterogeneity of IgE. MacDonald SM, et al. **Springer Semin Immunopathol** 1990; 12(4):415-28 (70 ref.)

IGF-I see **INSULIN-LIKE GROWTH FACTOR I**

IGF-II see **INSULIN-LIKE GROWTH FACTOR II**

IGG

[A case of idiopathic plasmacytic lymphadenopathy with polyclonal hyperimmunoglobulinemia associated with chronic renal failure] Kondo M, et al. **Nippon Jinzo Gakkai Shi** 1990 Oct;32(10):1133-7 (12 ref.) (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Antenatal suppression of Rh alloimmunization. Bowman JM. **Clin Obstet Gynecol** 1991 Jun;34(2):296-303 (29 ref.)
[Immunotherapy of chronic Guillain-Barré syndrome with high dose IgG and cyclosporin A. Case report, review of the literature and perspectives] Müllges W, et al. **Fortschr Neurol Psychiatr** 1991 May;59(5):183-9 (58 ref.) (Eng. Abstr.) **(Ger)**

ANALYSIS

The effect of immunosuppressive treatment on ANCA. Petersen J, et al. **APMIS Suppl** 1990;19:40-1 (6 ref.)
Antibody-mediated immunity in the neonate. Hanson LA, et al. **Padiatr Padol** 1990;25(5):371-6 (25 ref.)
Platelet IgG: measurement, interpretation, and clinical significance. George JN. **Prog Hemost Thromb** 1991; 10:97-126 (147 ref.)
Antibodies to Epstein-Barr virus in patients with chronic fatigue. Matthews DA, et al. **South Med J** 1991 Jul; 84(7):832-40 (71 ref.)
Repeated intestinal ulcerations in a patient with systemic lupus erythematosus and high serum antiphospholipid antibody levels. Sasamura H, et al. **South Med J** 1991 Apr; 84(4):515-7 (7 ref.)
[Quantitative determination of immunoglobulin G (IgG) subclasses] Anders S, et al. **Immun Infekt** 1990 Oct; 18(5):152-6 (30 ref.) (Eng. Abstr.) **(Ger)**
[Influence of dietary protein levels on the electrophoretic pattern and plasma IgG and IgM levels in pregnant rats and their offspring] Varela P, et al. **Arch Latinoam Nutr** 1988 Jun;38(2):219-28 (37 ref.) (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

IgG subclass-restricted immune responses to allergens. Lucas AH. **Springer Semin Immunopathol** 1990;12(4):385-400 (82 ref.)
The role of interleukin-4 in IgE and IgG subclass formation. Spiegelberg HL. **Springer Semin Immunopathol** 1990; 12(4):365-83 (70 ref.)

CLASSIFICATION

Clinical value of IgG subclass investigations in pediatric practice. Thong YH. **Pediatr Infect Dis J** 1990 Aug;9(8 Suppl):S36-40 (69 ref.)
[IgG subclasses and their clinical significance] Cataldo F, et al. **Minerva Pediatr** 1990 Dec;42(12):509-14 (46 ref.) (Eng. Abstr.) **(Ita)**

DEFICIENCY

Immunoglobulin subclasses and prophylactic use of immunoglobulin in immunoglobulin G subclass deficiency. Söderström T, et al. **Cancer** 1991 Sep 15;68(6 Suppl):1426-9 (13 ref.)
IgG subclass deficiency. Preud'homme JL, et al. **Immunodefic Rev** 1990;2(2):129-49 (106 ref.)
IgG subclasses in acquired immunodeficiency. French MA. **Pediatr Infect Dis J** 1990 Aug;9(8 Suppl):S46-9 (32 ref.)
IgG subclass deficiency: a personal viewpoint. Morell A. **Pediatr Infect Dis J** 1990 Aug;9(8 Suppl):S4-8 (46 ref.)
[Deficiency of IgG subclasses] Harnoy C, et al. **Harefuah** 1989 Sep;117(5-6):152-4 (27 ref.) **(Heb)**
[IgG2 deficiency associated with recurrent pneumonia and asthma (review of an IgG subclass)] de José Gomez MI, et al. **An Esp Pediatr** 1990 Sep;33(3):258-64 (51 ref.) (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Effects of reactive oxygen species on immunoglobulin G function. Griffiths HR, et al. **Mol Aspects Med** 1991; 12(2):107-19 (31 ref.)

IMMUNOLOGY

The role of IgG subclass antibodies in the clinical response to immunotherapy in allergic disease. Nakagawa T. **Clin Exp Allergy** 1991 May;21(3):289-96 (62 ref.)
Rheumatoid factors and complex formation. The role of light-chain framework sequences and glycosylation. Hay FC, et al. **Clin Orthop** 1991 Apr;(265):54-62 (65 ref.)
IgG subclass distribution of antibodies to bacterial and viral antigens. Ferrante A, et al. **Pediatr Infect Dis J** 1990 Aug; 9(8 Suppl):S16-24 (49 ref.)
Natural anti-Gal antibodies prevent, rather than cause, autoimmunity in human Chagas' disease. Gazzinelli RT. **Res Immunol** 1991 Feb;142(2):164-7 (18 ref.)
Life-threatening, antiglobulin test-negative, acute autoimmune hemolytic anemia due to a non-complement-activating IgG1 kappa cold antibody with Pra specificity. Curtis BR, et al. **Transfusion** 1990 Nov-Dec;30(9):838-43 (30 ref.)

METABOLISM

The two binding-site models of human IgG binding Fc gamma receptors. Gergely J, et al. **FASEB J** 1990 Dec; 4(15):3275-83 (61 ref.)
The polymeric immunoglobulin receptor. A model protein to study transcytosis. Apodaca G, et al. **J Clin Invest** 1991 Jun;87(6):1877-82 (42 ref.)
Anti-gliadin antibodies. Troncone R, et al. **J Pediatr Gastroenterol Nutr** 1991 Feb;12(2):150-8 (102 ref.)
Molecular and functional studies of recombinant soluble Fc gamma receptors. Sautès C, et al. **Mol Immunol** 1990 Dec; 27(12):1201-7 (29 ref.)

PHYSIOLOGY

Possible pathogenetic implications of ANCA in vasculitic syndromes. van der Woude FJ. **APMIS Suppl** 1990; 19:29-30 (14 ref.)
IgG4 antibodies and their role in asthmatic patients. Halpern GM. **J Asthma** 1989;26(6):345-8 (19 ref.)
Biology of human immunoglobulin G Fc receptors. van de Winkel JG, et al. **J Leukoc Biol** 1991 May;49(5):511-24 (156 ref.)

THERAPEUTIC USE

Should intravenous immunoglobulin G be first-line treatment for acute thrombotic thrombocytopenic purpura? Case report and review of the literature. Raniele DP, et al. **Am J Kidney Dis** 1991 Aug;18(2):264-8 (25 ref.)
Rational principles for immunoglobulin prophylaxis and therapy of neonatal infections. Kliegman RM, et al. **Clin Perinatol** 1991 Jun;18(2):303-24 (82 ref.)
Review on therapeutic options in HIV associated thrombocytopenia with emphasis on i.v. immunoglobulin treatment. Nydegger UE, et al. **Immunol Invest** 1991 Apr; 20(2):223-9 (23 ref.)
New and old aspects of immunoglobulin application. The use of intravenous IgG as prophylaxis and for treatment of infections. Hammarström L, et al. **Infection** 1990 Sep-Oct;18(5):314-24 (174 ref.)
Prophylaxis of necrotizing enterocolitis by oral IgA-IgG: review of a clinical study in low birth weight infants and discussion of the pathogenic role of infection. Eibl MM, et al. **J Clin Immunol** 1990 Nov;10(6 Suppl):72S-77S; discussion 77S-79S (46 ref.)
Therapeutic intervention of clinical sepsis with intravenous immunoglobulin, white blood cells and antibiotics. Fischer GW, et al. **Scand J Infect Dis Suppl** 1990;73:17-21 (25 ref.)
[Therapy with immunoglobulins] Müller E, et al. **Immun Infekt** 1990 Oct;18(5):162-3 (12 ref.) (Eng. Abstr.) **(Ger)**

IGM

Polyneuropathy associated with IgM monoclonal gammopathy: a review. Clinical, electrophysiological and pathological features. Leger JM, et al. **Nouv Rev Fr Hematol** 1990;32(5):303-6 (34 ref.)

ANALYSIS

Antibodies to Epstein-Barr virus in patients with chronic fatigue. Matthews DA, et al. **South Med J** 1991 Jul; 84(7):832-40 (71 ref.)
[Donath-Landsteiner antibody of the IgM class with anti-I specificity and possible efficacy of azathioprine therapy in paroxysmal cold hemoglobinuria: a case report] Nakamura H, et al. **Rinsho Ketsueki** 1990 Sep;31(9):1548-52 (14 ref.) (Eng. Abstr.) **(Jpn)**
[Influence of dietary protein levels on the electrophoretic pattern and plasma IgG and IgM levels in pregnant rats and their offspring] Varela P, et al. **Arch Latinoam Nutr** 1988 Jun;38(2):219-28 (37 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Motor neuron syndromes and monoclonal IgM antibodies to gangliosides. Steck AJ, et al. **Adv Neurol** 1991;56:421-5 (23 ref.)
Atypical antiglomerular basement membrane disease associated with thin membrane nephropathy. de Caestecker MP, et al. **Nephrol Dial Transplant** 1990;5(11):909-13 (25 ref.)

METABOLISM

[A case of chronic demyelinating polyneuropathy with benign IgM anti-myelin-associated glycoprotein paraproteinenia--transient improvement with weekly plasmapheresis] Muramoto T, et al. **Rinsho Shinkeigaku** 1991 Jan;31(1):38-43 (19 ref.) (Eng. Abstr.) **(Jpn)**

IL-1 see **INTERLEUKIN-1**

IL-2 see **INTERLEUKIN-2**

IL-2 RECEPTORS see **RECEPTORS, INTERLEUKIN-2**

IL-3 see **INTERLEUKIN-3**

IL-4 see **INTERLEUKIN-4**

IL-5 see **INTERLEUKIN-5**

IL-6 see **INTERLEUKIN-6**

IL-8 see **INTERLEUKIN-8**

ILEAL DISEASES

COMPLICATIONS

[Leiomyosarcoma of the Meckel's diverticulum and multiple diverticulosis of the ileum. Apropos of a case] Amar A, et al. **J Chir (Paris)** 1990 Dec;127(12):598-600 (22 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Small bowel obstruction with multiple perforations due to enterolith (bezoar) formed without gastrointestinal pathology. Salim AS. **Postgrad Med J** 1990 Oct; 66(780):872-3 (12 ref.)
A complex ileovaginal fistula with associated obstructive uropathy in a patient with Crohn's disease: technical considerations and review of the literature. Baird DR, et al. **South Med J** 1991 Mar;84(3):389-91 (13 ref.)
[Crohn's disease associated with secondary amyloidosis--a case report] Itoh T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Mar;88(3):730-4 (22 ref.) **(Jpn)**
[A double aorto-enteric fistula secondary to an aortic pseudoaneurysm. Its anatomical correction] de Frutos Rincón JL, et al. **Angiologia** 1991 Mar-Apr;43(2):65-8 (25 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Repeated intestinal ulcerations in a patient with systemic lupus erythematosus and high serum antiphospholipid antibody levels. Sasamura H, et al. **South Med J** 1991 Apr; 84(4):515-7 (7 ref.)

SURGERY

[Arteriovenous fistula of the superior mesenteric artery after resection of the ileum] von Kroge H, et al. **Vasa** 1991; 20(2):169-75 (21 ref.) (Eng. Abstr.) **(Ger)**

ILEAL NEOPLASMS

Perforated leiomyosarcoma of Meckel's diverticulum. Case report. De Mulder RM, et al. **Eur J Surg** 1991 Jan; 157(1):69-70 (10 ref.)
[The heterotopic pancreas in children. Apropos of 4 new cases] Anagnostopoulos D, et al. **Chir Pediatr** 1990; 31(3):164-6 (32 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Endometriosis of the terminal ileum simulating the clinical, roentgenographic, and surgical findings in Crohn's disease. Cappell MS, et al. **Am J Gastroenterol** 1991 Aug; 86(8):1057-62 (55 ref.)
Adenomyomas of the small intestine. Gal R, et al. **Histopathology** 1991 Apr;18(4):369-71 (6 ref.)
[Adenocarcinoma of the distal ileal loop: a rare disease at the typical site for Crohn's disease] Del Prete P, et al. **G Chir** 1991 Jan-Feb;12(1-2):41-5 (22 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Postirradiation angiosarcoma of the terminal ileum. Su CC, et al. **Chung Hua I Hsueh Tsa Chih** 1991 Aug;48(2):147-52 (21 ref.)
[Adenocarcinoma at an ileostomy site after colectomy for ulcerative colitis] Ferrandez Rivera M, et al. **J Chir (Paris)** 1990 Aug-Sep;127(8-9):412-5 (18 ref.) (Eng. Abstr.) **(Fre)**

[Malignant degeneration on ileostomy for rectocolonic polyposis] Lopez JF, et al. **J Chir (Paris)** 1991 Apr; 128(4):201–3 (21 ref.) (Eng. Abstr.) **(Fre)**
[Adenocarcinoma of Meckel's diverticulum, a rare complication of omphalo-mesenteric remnant: presentation of a case and review of the literature] Borgognone A, et al. **G Chir** 1988 Feb;9(2):103–5 (11 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

[A case of inflammatory fibroid polyp of the ileum--Review of inflammatory fibroid polyp of small intestine in Japan] Fujiyama K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 May;88(5):1245–9 (15 ref.) **(Jpn)**

THERAPY

Granulocytic sarcoma of the ileum treated by bone marrow transplantation. Kowal-Vern A, et al. **Am J Pediatr Hematol Oncol** 1991 Spring;13(1):34–8 (17 ref.)

ILEITIS

Crohn's disease of the small bowel. Hyman NH, et al. **Compr Ther** 1991 Apr;17(4):38–42 (11 ref.)

ETIOLOGY

Pouchitis (pouch ileitis). Meuwissen SG, et al. **Neth J Med** 1989 Jun;35 Suppl 1:S54–66 (36 ref.)
[Inflammation of the ileal reservoir after ileo-anal anastomosis with a reservoir] Gendre JP. **Ann Gastroenterol Hepatol (Paris)** 1990 Nov;26(6):251–3 (22 ref.) **(Fre)**

PATHOLOGY

The pelvic ileal reservoir: pathology and pouchitis. Shepherd NA. **Neth J Med** 1990 Aug;37 Suppl 1:S57–64 (33 ref.)

ILEITIS, REGIONAL see **CROHN DISEASE**

ILEITIS, TERMINAL see **CROHN DISEASE**

ILEOCECAL VALVE

[The ileocecal junction] Reggio D, et al. **G Chir** 1988 Sep; 9(9):601–6 (90 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

The ileocecal area and the irritable bowel syndrome. Phillips SF, et al. **Gastroenterol Clin North Am** 1991 Jun; 20(2):297–311 (52 ref.)

ILEOCOLITIS see **CROHN DISEASE**

ILEOJEJUNAL BYPASS see **JEJUNOILEAL BYPASS**

ILEOSTOMY

Pouchitis (pouch ileitis). Meuwissen SG, et al. **Neth J Med** 1989 Jun;35 Suppl 1:S54–66 (36 ref.)
[Parastomal pyoderma gangrenosum. 3 new cases] Hill MP, et al. **Ann Dermatol Venereol** 1991;118(2):121–3 (10 ref.) **(Fre)**

ADVERSE EFFECTS

[Adenocarcinoma at an ileostomy site after colectomy for ulcerative colitis] Ferrandez Rivera M, et al. **J Chir (Paris)** 1990 Aug-Sep;127(8–9):412–5 (18 ref.) (Eng. Abstr.) **(Fre)**
[Malignant degeneration on ileostomy for rectocolonic polyposis] Lopez JF, et al. **J Chir (Paris)** 1991 Apr; 128(4):201–3 (21 ref.) (Eng. Abstr.) **(Fre)**

METHODS

[Report: The ideal reservoir, development of ideas] Van Velthoven R. **Acta Urol Belg** 1991;59(2):77–101 (67 ref.) **(Fre)**

ILEUM

see related
ILEOSTOMY

ABNORMALITIES

Ileal atresia with perforation in siblings. Chiba T, et al. **Eur J Pediatr Surg** 1991 Feb;1(1):51–3 (19 ref.)

BLOOD SUPPLY

[Arteriovenous fistula of the superior mesenteric artery after resection of the ileum] von Kroge H, et al. **Vasa** 1991; 20(2):169–75 (21 ref.) (Eng. Abstr.) **(Ger)**

INJURIES

Intestinal injury after lumbar discectomy. Smith EB, et al. **Surg Gynecol Obstet** 1991 Jul;173(1):22–4 (16 ref.)

PHYSIOLOGY

[Regulation of motility and secretion by the ileo-cecal region] Layer P. **Z Gastroenterol** 1991 Apr;29 Suppl 3:18–21 (24 ref.) **(Ger)**

SURGERY

Surgical options in ulcerative colitis: role of ileo-anal anastomosis. Keighley MR, et al. **Aust N Z J Surg** 1990 Nov;60(11):835–48 (120 ref.)
Partial ileal bypass in the therapy of familial hypercholesterolemia. The POSCH Group. Buchwald H, et al. **Beitr Infusionther** 1988;23:47–60 (8 ref.)
Determinants of ileoanal pouch function. Levitt MD, et al. **Gut** 1991 Feb;32(2):126–7 (40 ref.)
Incontinence after augmentation cystoplasty and internal diversion. Schiff SF, et al. **Urol Clin North Am** 1991 May; 18(2):383–92 (54 ref.)
[Inflammation of the ileal reservoir after ileo-anal anastomosis with a reservoir] Gendre JP. **Ann Gastroenterol Hepatol (Paris)** 1990 Nov;26(6):251–3 (22 ref.) **(Fre)**
[Functional results of ileo-rectal and ileo-anal reservoirs after complete colectomy for inflammatory disease (ulcero-hemorrhagic recto-colitis)] Mignon M, et al. **Ann Gastroenterol Hepatol (Paris)** 1990 Nov;26(6):247–50 (22 ref.) **(Fre)**

ILEUS see **INTESTINAL OBSTRUCTION**

ILIAC ARTERY

Arterial-ureteral fistula: case study with review of published reports. Dyke CM, et al. **Ann Vasc Surg** 1991 May; 5(3):282–5 (40 ref.)
Clinical and anatomical considerations for surgery in aortoiliac disease and results of surgical treatment. Brewster DC. **Circulation** 1991 Feb;83(2 Suppl):I42–52 (55 ref.)
Multiple congenital aneurysms of unknown origin. De Letter JA, et al. **Eur J Vasc Surg** 1991 Jun;5(3):349–54 (15 ref.)
Spontaneous common iliac arteriovenous fistula manifested by acute renal failure: a case report. Gregoric ID, et al. **J Vasc Surg** 1991 Jul;14(1):92–7 (46 ref.)
Peripheral arterial occlusion in infants--a report of two cases treated conservatively. Pettenazzo A, et al. **J Vasc Surg** 1991 Aug;14(2):220–4 (20 ref.)
Isolated common iliac artery aneurysm. Bumpers HL, et al. **N Y State J Med** 1991 Jan;91(1):33–4 (17 ref.)
Left external iliac artery dissection and bilateral renal artery aneurysms secondary to fibromuscular dysplasia: a case report. Patel KS, et al. **Neth J Surg** 1990 Aug;42(4):118–20 (24 ref.)
Abdominal aneurysms in childhood: report of a case and review of the literature. Sarkar R, et al. **Surgery** 1991 Feb; 109(2):143–8 (29 ref.)
[Cardiac insufficiency caused by arteriovenous fistula. An unusual complication of spinal surgery] Ferrari E, et al. **Arch Mal Coeur** 1990 Oct;83(11):1727–8 (5 ref.) (Eng. Abstr.) **(Fre)**
[Long-term results of percutaneous transluminal angioplasty of the iliac arteries] Carlier C, et al. **J Mal Vasc** 1990; 15(3):224–8 (0 ref.) (Eng. Abstr.) **(Fre)**
[Uretero-iliac fistula: presentation of a case and review of the literature] Isa Kroon WA, et al. **Actas Urol Esp** 1991 Jan-Feb;15(1):66–8 (18 ref.) (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Congenital anomalies of the external iliac artery: case report and review of the literature. Tamisier D, et al. **Ann Vasc Surg** 1990 Sep;4(5):510–4 (18 ref.)

INJURIES

[Acute occlusion of the iliac arteries due to blunt trauma] Sato M, et al. **Nippon Geka Gakkai Zasshi** 1991 May; 92(5):607–10 (10 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Spontaneous abdominal arteriovenous fistulae: report of eight cases and review of the literature. Gilling-Smith GL, et al. **Br J Surg** 1991 Apr;78(4):421–5 (89 ref.)

ULTRASONOGRAPHY

Non-invasive evaluation of iliac and carotid atherosclerosis in familial hypercholesterolemia. Rubba P, et al. **Beitr Infusionther** 1988;23:33–8 (19 ref.)
[Ultrasonic diagnosis of arterial occlusive diseases of the pelvis and extremities] Zhane AK. **Khirurgiia (Mosk)** 1990 Dec;(12):151–4 (47 ref.) **(Rus)**

ILIAC VEIN

Spontaneous common iliac arteriovenous fistula manifested by acute renal failure: a case report. Gregoric ID, et al. **J Vasc Surg** 1991 Jul;14(1):92–7 (46 ref.)
[Cardiac insufficiency caused by arteriovenous fistula. An unusual complication of spinal surgery] Ferrari E, et al. **Arch Mal Coeur** 1990 Oct;83(11):1727–8 (5 ref.) (Eng. Abstr.) **(Fre)**
[Synovial cyst of the hip with venous compression. Diagnosis using x-ray computed tomography. A case report] Bousquet JC, et al. **J Radiol** 1990 Nov;71(11):623–7 (19 ref.) (Eng. Abstr.) **(Fre)**
[Cockett's syndrome and retro-iliac ureter. A previously unknown and original association apropos of a case and review of the literature] Morlier D, et al. **J Urol (Paris)** 1990;96(4):223–6 (31 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Spontaneous abdominal arteriovenous fistulae: report of eight cases and review of the literature. Gilling-Smith GL, et al. **Br J Surg** 1991 Apr;78(4):421–5 (89 ref.)

ILIUM

Fibromyxoma of bone. Abdelwahab IF, et al. **Skeletal Radiol** 1991;20(2):95–8 (7 ref.)
[Morbidity of iliac bone grafts. A study apropos of 100 consecutive cases] Harbon S, et al. **Ann Chir Plast Esthet** 1991;36(1):45–50 (24 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

[The pathomorphology of metabolic osteopathies--the information potentials of iliac crest biopsies, the pathophysiology and the latest ideas on the structure of the spongiosa] Delling G, et al. **Internist (Berl)** 1990 Dec; 31(12):737–44 (18 ref.) **(Ger)**
[Regeneration capacity of the iliac crest after spongiosa removal in humans--induction by phosphate ceramics?] Roesgen M. **Unfallchirurgie** 1991 Feb;17(1):44–59 (94 ref.) (Eng. Abstr.) **(Ger)**

ILLICIT DRUG TESTING see **SUBSTANCE ABUSE DETECTION**

ILLICIT DRUGS see **STREET DRUGS**

ILLNESS BEHAVIOR see **SICK ROLE**

ILLUMINATING GAS POISONING see **CARBON MONOXIDE POISONING**

ILLUMINATION see **LIGHTING**

ILLUSIONS

[Illusion of visual tilt: a case] Cohen L, et al. **Rev Neurol (Paris)** 1991;147(5):389–91 (18 ref.) (Eng. Abstr.) **(Fre)**

ILLUSTRATION, MEDICAL see **MEDICAL ILLUSTRATION**

ILOPROST

PHARMACOLOGY

Mechanisms of the antimetastatic activity of stable prostacyclin analogues: modulation of host immunocompetence. Costantini V, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:917–20 (10 ref.)
Mode of action of PGI2 and of its stable derivative iloprost on platelets and leukocytes. Tremoli E, et al. **Thromb Res Suppl** 1990;11:33–42 (57 ref.)

THERAPEUTIC USE

Iloprost, a stable analogue of PGI2: clinical results and pathophysiological considerations. Stock G, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:583–9 (21 ref.)

IMAGE ANALYSIS, COMPUTER-ASSISTED see **IMAGE PROCESSING, COMPUTER-ASSISTED**

IMAGE ENHANCEMENT

see related
RADIOGRAPHIC IMAGE ENHANCEMENT
SUBTRACTION TECHNIQUE

Characterization of intrahepatic space-occupying lesions by magnetic resonance imaging. Vellet AD. **Can Assoc Radiol J** 1991 Jun;42(3):165–79 (34 ref.)
A fast image simulation technique for high resolution electron microscopy with multicomponent atomic species. Krakow W. **J Electron Microsc Tech** 1991 Jul;18(3):277–90 (24 ref.)

METHODS

Iron oxide-enhanced MR imaging of the liver and spleen: review of the first 5 years. Ferrucci JT, et al. **AJR Am J Roentgenol** 1990 Nov;155(5):943–50 (20 ref.)
Routine contrast enhancement for cranial magnetic resonance imaging: an analysis of its diagnostic value in adults. Kucharczyk W, et al. **Can Assoc Radiol J** 1991 Jun; 42(3):199–209 (12 ref.)
Mechanisms of contrast enhancement in magnetic resonance imaging. Lee DH. **Can Assoc Radiol J** 1991 Feb;42(1):6–12 (18 ref.)
Recent advances in magnetic resonance imaging of renal masses. Lee JK. **Can Assoc Radiol J** 1991 Jun;42(3):185–9 (9 ref.)
Recent advances in spinal magnetic resonance imaging. Sze G. **Can Assoc Radiol J** 1991 Jun;42(3):190–8 (25 ref.)

Four metrics for image variation. Bookstein FL. **Prog Clin Biol Res** 1991;363:227–40 (5 ref.)
Clinical applications of contrast agents in body imaging. Bydder GM. **Top Magn Reson Imaging** 1991 Mar;3(2):74–84 (41 ref.)
Basic principles of magnetic resonance contrast agents. Kirsch JE. **Top Magn Reson Imaging** 1991 Mar;3(2):1–18 (41 ref.)
Contrast-enhanced magnetic resonance imaging of the spine. Lee C, et al. **Top Magn Reson Imaging** 1991 Mar;3(2):41–73 (51 ref.)
Clinical applications of magnetic resonance contrast media in the head. Runge VM. **Top Magn Reson Imaging** 1991 Mar;3(2):19–40 (47 ref.)
Future directions in magnetic resonance contrast media. Runge VM, et al. **Top Magn Reson Imaging** 1991 Mar; 3(2):85–97 (43 ref.)

IMAGE INTERPRETATION, COMPUTER-ASSISTED

[Computerized analysis of ST segment during exercise. Interpretation of "saw tooth" appearance] César C, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):843–6 (10 ref.) (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

[Progress in clinical cardiology. Echocardiography] Hofmann T, et al. **Med Monatsschr Pharm** 1991 Jan; 14(1):5–18 (0 ref.) **(Ger)**
[Recent developments in ultrasound study of cerebral arteries and their clinical value] Winter R, et al. **Nervenarzt** 1990 Aug;61(8):451–61 (28 ref.) **(Ger)**
[Color coded Doppler angiography in peripheral arterial and venous vascular diagnosis] Mörz B, et al. **Vasa Suppl** 1990; 30:41–2 (18 ref.) **(Ger)**
[Color Doppler angiography—technical principles from the clinical viewpoint, limits and possibilities] Mörz R. **Vasa Suppl** 1990;30:37–40 (7 ref.) **(Ger)**

IMAGE PROCESSING, COMPUTER-ASSISTED

Myocardial perfusion imaging with technetium-99m sestamibi SPECT in the evaluation of coronary artery disease. Maddahi J, et al. **Am J Cardiol** 1990 Oct 16; 66(13):55E–62E (32 ref.)
Overview of digital imaging in pathology. The fifth wave. Linder J. **Am J Clin Pathol** 1990 Oct;94(4 Suppl 1):S30–4 (3 ref.)
Quantitative microscopy and artificial intelligence: some philosophical reflections. Kibbelaar RE, et al. **Anal Cell Pathol** 1989 Feb;1(1):1–10 (36 ref.)
Principles and applications of Computer-Aided Design and Computer-Aided Manufacturing (CAD/CAM) technology in orthopaedics. Goh JC, et al. **Ann Acad Med Singapore** 1990 Sep;19(5):706–13 (25 ref.)
Computed tomography of asbestos-related pulmonary parenchymal and pleural diseases. Aberle DR, et al. **Clin Chest Med** 1991 Mar;12(1):115–31 (116 ref.)
Computer applications in diagnostic imaging. Horii SC. **Clin Chest Med** 1991 Mar;12(1):1–17 (24 ref.)
Digital chest radiography. MacMahon H, et al. **Clin Chest Med** 1991 Mar;12(1):19–32 (39 ref.)
High-resolution computed tomography of chronic interstitial lung disease. Müller NL, et al. **Clin Chest Med** 1991 Mar; 12(1):97–114 (69 ref.)
The importance of calcium regulation in toxic cell injury. Studies utilizing the technology of digital imaging fluorescence microscopy. Trump BF, et al. **Clin Lab Med** 1990 Sep;10(3):531–47 (38 ref.)
Computer systems for three-dimensional diagnostic imaging: an examination of the state of the art. Stytz MR, et al. **Crit Rev Biomed Eng** 1991;19(1):1–45 (179 ref.)
CT-SPECT fusion for analysis of radiolabeled antibodies: applications in gastrointestinal and lung carcinoma. Kramer EL, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):27–42 (49 ref.)
What dermatologists should know about digital imaging. Perednia DA. **J Am Acad Dermatol** 1991 Jul;25(1 Pt 1):89–108 (160 ref.)
Physiological ROI definition by image subtraction. Fox PT. **J Cereb Blood Flow Metab** 1991 Mar;11(2):A79–82 (12 ref.)
Physics and statistics of medical imaging. Brown DG, et al. **J Digit Imaging** 1989 Nov;2(4):194–211 (55 ref.)
Three-dimensional image display in medicine. Mankovich NJ, et al. **J Digit Imaging** 1990 May;3(2):69–80 (60 ref.)
Literature review: Picture Archiving and Communication Systems. Schmiedl UP, et al. **J Digit Imaging** 1990 Aug; 3(3):178–94 (0 ref.)
Literature review: picture archiving and communication system. Schmiedl UP, et al. **J Digit Imaging** 1990 Nov; 3(4):238–45 (266 ref.)
A fast image simulation technique for high resolution electron microscopy with multicomponent atomic species. Krakow W. **J Electron Microsc Tech** 1991 Jul;18(3):277–90 (24 ref.)
A methodology for near-optimal computational superimposition of two-dimensional digital facial photographs and three-dimensional cranial surface meshes. Nickerson BA, et al. **J Forensic Sci** 1991 Mar;36(2):480–500 (39 ref.)
Perceptual-components architecture for digital video. Watson AB. **J Opt Soc Am [A]** 1990 Oct;7(10):1943–54 (100 ref.)
Ultrafast imaging using gradient echoes. Chien D, et al. **Magn Reson Q** 1991 Jan;7(1):31–56 (110 ref.)
Application of a visual model to vascular segmentation. Besson GM. **Prog Clin Biol Res** 1991;363:389–98 (17 ref.)
Early visual representation using regions defined by maximum gradient profiles between singular points. Rosin PL, et al. **Prog Clin Biol Res** 1991;363:369–87 (29 ref.)
The MRI measurement of NMR and physiological parameters in tissue to study disease process. Tofts PS, et al. **Prog Clin Biol Res** 1991;363:313–25 (10 ref.)
[3D-reconstruction in computed tomography as a diagnostic plus in traumatology?] Billet FP, et al. **Rontgenpraxis** 1990 Oct;43(10):355–64 (19 ref.) **(Ger)**
[Spiral-CT: a new technique for volumetric scans. I. Basic principles and methodology] Kalender WA, et al. **Rontgenpraxis** 1990 Sep;43(9):323–30 (11 ref.) **(Ger)**
[Spiral-CT: a new technique for volumetric scans. II. Potential clinical applications] Soucek M, et al. **Rontgenpraxis** 1990 Oct;43(10):365–75 (16 ref.) **(Ger)**

INSTRUMENTATION

Doppler ultrasonic measurement of cardiac output: reproducibility and validation. Coats AJ. **Eur Heart J** 1990 Dec;11 Suppl I:49–61 (65 ref.)
Radionuclide methods for cardiac output determination. Fouad-Tarazi FM, et al. **Eur Heart J** 1990 Dec;11 Suppl I:33–40 (54 ref.)
Non-invasive study of cardiac performance using Doppler ultrasound in patients with hypertension. Lacolley PJ, et al. **Eur Heart J** 1990 Dec;11 Suppl I:62–6 (34 ref.)
Magnetic resonance imaging and cine computerized tomography as future tools for cardiac output measurement. Omvik P. **Eur Heart J** 1990 Dec;11 Suppl I:141–3 (11 ref.)
Measurement of cardiac output by M-mode and two-dimensional echocardiography: application to patients with hypertension. Wallerson DC, et al. **Eur Heart J** 1990 Dec;11 Suppl I:67–78 (54 ref.)
Future applications of electronic thermography. Gratt BM, et al. **J Am Dent Assoc** 1991 May;122(6):28–36 (92 ref.)
Visual cues in the interpretation of medical images. Kundel HL. **J Clin Neurophysiol** 1990 Oct;7(4):472–83 (26 ref.)

METHODS

The present state of the automated micronucleus test for lymphocytes. Tates AD, et al. **Int J Radiat Biol** 1990 Nov; 58(5):813–25 (10 ref.)
Modelling and analysis of 3-D arrangements of particles by point processes with examples of application to biological data obtained by confocal scanning light microscopy. König D, et al. **J Microsc** 1991 Mar;161 (Pt 3):405–33 (48 ref.)
Three-dimensional display in nuclear medicine and radiology. Wallis JW, et al. **J Nucl Med** 1991 Mar; 32(3):534–46 (68 ref.)
A hyperstack for the segmentation of 3D images. de Graaf CN, et al. **Prog Clin Biol Res** 1991;363:399–413 (17 ref.)
[Measurement and image reconstruction of three-dimensional radioisotope distribution] Tanaka E. **Radioisotopes** 1990 Nov;39(11):510–20 (70 ref.) **(Jpn)**

IMAGE RECONSTRUCTION see **IMAGE PROCESSING, COMPUTER-ASSISTED**

IMAGINATION

Culture tales. A narrative approach to thinking, cross-cultural psychology, and psychotherapy. Howard GS. **Am Psychol** 1991 Mar;46(3):187–97 (65 ref.)
Concerning knowledge of mental states. Hobson RP. **Br J Med Psychol** 1990 Sep;63 (Pt 3):199–213 (55 ref.)

IMAGING, DIAGNOSTIC see **DIAGNOSTIC IMAGING**

IMAGING, MEDICAL see **DIAGNOSTIC IMAGING**

IMAGING TECHNIQUES see **DIAGNOSTIC IMAGING**

IMIDAZOLES

Ondansetron—the first of a new class of antiemetic agents. Chaffee BJ, et al. **Clin Pharm** 1991 Jun;10(6):430–46 (105 ref.)

ADVERSE EFFECTS

[Hypoglycemia induced by cibenzoline in the elderly] Houdent C, et al. **Rev Med Interne** 1991 Mar-Apr; 12(2):143–5 (10 ref.) (Eng. Abstr.) **(Fre)**

CHEMICAL SYNTHESIS

Nonpeptide angiotensin II receptor antagonists. Timmermans PB, et al. **Am J Hypertens** 1990 Aug;3(8 Pt 1):599–604 (21 ref.)
Imidazopyridines: towards novel hypnotic and anxiolytic drugs. George P, et al. **Farmaco** 1991 Jan;46(1 Suppl):277–88 (23 ref.)
Antitumor imidazotetrazinones: prodrugs targeted to the major groove of DNA. Stevens MF. **Farmaco** 1991 Jan;46(1 Suppl):147–59 (39 ref.)

METABOLISM

Zolpidem and alpidem: two imidazopyridines with selectivity for omega 1- and omega 3-receptor subtypes. Langer SZ, et al. **Adv Biochem Psychopharmacol** 1990;46:61–72 (27 ref.)

PHARMACOKINETICS

Pharmacology and pharmacokinetics of enoximone. Dage RC, et al. **Cardiology** 1990;77 Suppl 3:2–13; discussion 27–33 (18 ref.)
Pharmacokinetics and metabolism of nilutamide. Creaven PJ, et al. **Urology** 1991;37(2 Suppl):13–9 (6 ref.)

PHARMACOLOGY

In vitro pharmacology of DuP 753. Chiu AT, et al. **Am J Hypertens** 1991 Apr;4(4 Pt 2):282S–287S (18 ref.)
Nonpeptide angiotensin II receptor antagonists. Timmermans PB, et al. **Am J Hypertens** 1990 Aug;3(8 Pt 1):599–604 (21 ref.)
In vivo pharmacology of DuP 753. Wong PC, et al. **Am J Hypertens** 1991 Apr;4(4 Pt 2):288S–298S (39 ref.)
Pharmacology and pharmacokinetics of enoximone. Dage RC, et al. **Cardiology** 1990;77 Suppl 3:2–13; discussion 27–33 (18 ref.)
Oxiconazole nitrate: pharmacology, efficacy, and safety of a new imidazole antifungal agent. Jegasothy BV, et al. **Clin Ther** 1991 Jan-Feb;13(1):126–41 (30 ref.)
Imidazolyl derivatives in medicinal chemistry. Carganico G, et al. **Farmaco** 1991 Jan;46(1 Suppl):209–31 (51 ref.)
[Substances capable of inducing stepping (SIS) and central motor control] Liu SY. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):295–9 (27 ref.) **(Chi)**

THERAPEUTIC USE

Drugs for treatment of vulvovaginal candidiasis: comparative efficacy of agents and regimens. Doering PL, et al. **DICP** 1990 Nov;24(11):1078–83 (71 ref.)
Ondansetron. Therapeutic use as an antiemetic. Milne RJ, et al. **Drugs** 1991 Apr;41(4):574–95 (101 ref.)
Anti-emetic control with ondansetron in the chemotherapy of breast cancer: a review. Marschner N. **Eur J Cancer** 1991;27 Suppl 1:S15–7; discussion S22 (9 ref.)
The role of ondansetron in paediatric patients: a review of three studies. Stevens RF. **Eur J Cancer** 1991;27 Suppl 1:S20–2 (7 ref.)
5-hydroxytryptamine-3 antagonists: a new class of potent antiemetics in cancer therapy. Soukop M. **Recent Results Cancer Res** 1991;121:86–90 (12 ref.)
Ondansetron, a new antiemetic therapy for oncology. An overview. Lip H. **Scand J Gastroenterol Suppl** 1990; 178:55–61 (38 ref.)
Castration plus nilutamide vs castration plus placebo in advanced prostate cancer. A review. Du Plessis DJ. **Urology** 1991;37(2 Suppl):20–4 (12 ref.)
[Role of the enoximone-dobutamine combination in the treatment of congestive cardiac insufficiency] Richard C, et al. **Arch Mal Coeur** 1990 Sep;83 Spec No 3:33–7 (16 ref.) (Eng. Abstr.) **(Fre)**

IMIDOBENZYLE see **IMIPRAMINE**

IMIPEMIDE see **IMIPENEM**

IMIPENEM

ADMINISTRATION & DOSAGE

Overall clinical utility of the intramuscular preparation of imipenem/cilastatin. MacGregor RR. **Chemotherapy** 1991; 37 Suppl 2:53–7 (12 ref.)

THERAPEUTIC USE

[Role of the new beta lactams in severe infections. Imipenem and aztreonam: indications and limitations] Sánchez C, et al. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:67–75 (65 ref.) **(Spa)**

IMIPRAMINE

THERAPEUTIC USE

Treatment of recurrent unipolar major depressive disorder. Commentary on the Pittsburgh Study. Klerman GL. **Arch Gen Psychiatry** 1990 Dec;47(12):1158–62 (28 ref.)
The drug treatment of panic disorder. Matuzas W, et al. **Psychiatr Med** 1991;9(2):215–43 (172 ref.)

IMITATIVE BEHAVIOR

PHYSIOLOGY

Towards a developmental cognitive science. The implications of cross-modal matching and imitation for the development of representation and memory in infancy. Meltzoff AN. **Ann N Y Acad Sci** 1990;608:1–31; discussion 31–7 (154 ref.)

IMIZIN see **IMIPRAMINE**

IMMEDIATE RECALL see **MEMORY, SHORT-TERM**

IMMERSION

see related
DIVING

IMMERSION FOOT

EPIDEMIOLOGY

Immersion foot. A problem of the homeless in the 1990s. Wrenn K. **Arch Intern Med** 1991 Apr;151(4):785–8 (35 ref.)

IMMIGRATION see **EMIGRATION AND IMMIGRATION**

IMMOBILIZATION

Safe and effective tube feeding of bedridden elderly. Henderson CT. **Geriatrics** 1991 Aug;46(8):56–8, 63–6 (21 ref.)

Chemical restraint and analgesia in the horse. Geiser DR. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):495–512 (72 ref.)

ADVERSE EFFECTS

Continuous lateral rotational therapy and nosocomial pneumonia. Sahn SA. **Chest** 1991 May;99(5):1263–7 (35 ref.)

Fracture disease and related contractures. Anderson GI. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):845–58 (65 ref.)

PHYSIOLOGY

[Glucocorticoid receptors in physiological states and in extreme conditions] Vorob'ev DV, et al. **Kosm Biol Aviakosm Med** 1990 Nov–Dec;24(6):4–11 (92 ref.) (Eng. Abstr.) **(Rus)**

IMMOBILIZED ENZYMES see **ENZYMES, IMMOBILIZED**

IMMOTILE CILIA SYNDROME see **CILIARY MOTILITY DISORDERS**

IMMUNE-ASSOCIATED ANTIGENS see **HISTOCOMPATIBILITY ANTIGENS CLASS II**

IMMUNE-ASSOCIATED ANTIGENS, HUMAN see **HLA-D ANTIGENS**

IMMUNE COMPLEX DISEASE

Immune complex diseases. Virella G. **Immunol Ser** 1990; 50:395–414 (10 ref.)

CHEMICALLY INDUCED

Drug-induced immune complex disease. Sim E. **Biochem Soc Trans** 1991 Feb;19(1):164–70 (57 ref.)

COMPLICATIONS

[Current aspects in medicine of the locomotor system. Urticarial vasculitis: apropos of a case] Wang F, et al. **Rev Med Liege** 1991 Jun;46(6):336–42 (24 ref.) **(Fre)**

DIAGNOSIS

Diagnostic significance of hypocomplementemia [editorial] Hebert LA, et al. **Kidney Int** 1991 May;39(5):811–21 (138 ref.)

[Myocarditis and cardiomyopathy] Pietrzak M, et al. **Pol Arch Med Wewn** 1990 Mar;83(3):143–8 (39 ref.) **(Pol)**

ETIOLOGY

The role of cationic proteins in the pathogenesis of immune complex glomerulonephritis. Vogt A, et al. **Nephrol Dial Transplant** 1990;5 Suppl 1:6–9 (34 ref.)

[Fibronectin and immune complexes in rheumatic diseases] Mazepa MA. **Vestn Akad Med Nauk SSSR** 1991;(4):57–61 (46 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

IgD immune complex vasculitis in a patient with hyperimmunoglobulinemia D and periodic fever. Boom BW, et al. **Arch Dermatol** 1990 Dec;126(12):1621–4 (23 ref.)

Human hypersensitivity angiitis. Sams WM Jr. **Immunol Ser** 1989;46:585–604 (30 ref.)

Complement genetics and host defence. Lachmann PJ. **Int J Med Microbiol** 1990 Dec;274(3):316–24 (11 ref.)

THERAPY

Synergy between plasma exchange and intravenous immunoglobulin. Nydegger UE, et al. **Curr Stud Hematol Blood Transfus** 1990;(57):31–50 (91 ref.)

[Extracorporeal use of porcine spleen in the treatment of patients] Genyk SN, et al. **Vestn Khir** 1991 Feb;146(2):151–3 (19 ref.) **(Rus)**

IMMUNE MONITORING see **MONITORING, IMMUNOLOGIC**

IMMUNE RESPONSE ANTIGENS see **HISTOCOMPATIBILITY ANTIGENS CLASS II**

IMMUNE-RESPONSE ANTIGENS, HUMAN see **HLA-D ANTIGENS**

IMMUNE-RESPONSE-ASSOCIATED ANTIGENS see **HISTOCOMPATIBILITY ANTIGENS CLASS II**

IMMUNE RESPONSE-ASSOCIATED ANTIGENS, HUMAN see **HLA-D ANTIGENS**

IMMUNE RESPONSE GENES see **GENES, IMMUNE RESPONSE**

IMMUNE RNA MANIPULATION see **IMMUNIZATION, PASSIVE**

IMMUNE SERA

see related
IMMUNIZATION, PASSIVE

IMMUNE SERUM GLOBULIN THERAPY see **IMMUNIZATION, PASSIVE**

IMMUNE SYSTEM

SCID mice as immune system models. McCune JM. **Curr Opin Immunol** 1991 Apr;3(2):224–8 (35 ref.)

Transgenic mice as immune system models. Morahan G. **Curr Opin Immunol** 1991 Apr;3(2):219–23 (32 ref.)

Organization of the human immune system. Waldmann TA. **Dermatol Clin** 1990 Oct;8(4):593–607 (33 ref.)

Second generation immune networks. Varela FJ, et al. **Immunol Today** 1991 May;12(5):159–66 (59 ref.)

ANATOMY & HISTOLOGY

[Morphofunctional organization of the hemoimmunopoietic system in evolution] Pestova IM, et al. **Arkh Anat Gistol Embriol** 1990 Nov;99(11):90–9 (113 ref.) **(Rus)**

CYTOLOGY

Interactions between endothelial cells and the cells of the immune system. Cavender DE. **Int Rev Exp Pathol** 1991; 32:57–94 (248 ref.)

[Immune system of the epidermis] Démarchez M, et al. **Ann Dermatol Venereol** 1991;118(2):151–61 (73 ref.) **(Fre)**

DRUG EFFECTS

Are pesticides immunotoxic? Botham PA. **Adverse Drug React Acute Poisoning Rev** 1990 Summer; 9(2):91–101 (43 ref.)

Immunotoxicology: overview and future perspectives. Bellanti JA. **Ann Allergy** 1991 Jun;66(6):465–73 (11 ref.)

Approaches to immunotoxicologic studies with emphasis on chemical-induced immunomodulation. Munson AE, et al. **Ann Allergy** 1991 Jun;66(6):505–18 (21 ref.)

Neuroimmune axis as a basis of therapy in Alzheimer's disease. Singh VK. **Prog Drug Res** 1990;34:383–93 (34 ref.)

In vitro immunotoxicology and immunopharmacology: studies on drugs of abuse' by R.M. Pillai and R.R. Watson. Donahoe RM. **Toxicol Lett** 1990 Oct;53(3):265–8 (10 ref.)

[Action of non-steroidal anti-inflammatory agents on the immune system] Cortet B, et al. **Rev Rhum Mal Osteoartic** 1991 May;58(5):379–86 (26 ref.) (Eng. Abstr.) **(Fre)**

[Hairy-cell leukemia as a model for studying the effects of interferon on the immune system] Semenzato G, et al. **Haematologica** 1990 Jul–Aug;75 Suppl 4:10–9 (87 ref.) **(Ita)**

[Effect of alcohol on the functional state of the immune system] Aliev NA. **Sov Med** 1991;(2):41–4 (52 ref.) **(Rus)**

EMBRYOLOGY

Fetal and neonatal immunoincompetence. Vetro SW, et al. **Fetal Ther** 1989;4 Suppl 1:82–91 (59 ref.)

GROWTH & DEVELOPMENT

The decline of the immune response during aging: the role of an altered lipid metabolism. Wick G, et al. **Ann N Y Acad Sci** 1991;621:277–90 (49 ref.)

Recapitulation of immune ontogeny: a vital component for the success of bone marrow transplantation. Lum LG. **Cancer Treat Res** 1990;50:27–54 (182 ref.)

IMMUNOLOGY

The interface between the Leishmania-infected macrophage and the host's immune system. Russell DG, et al. **Behring Inst Mitt** 1991 Feb;(88):68–79 (45 ref.)

Antibody-defined cell surface molecules of the immune system. Knapp W, et al. **Curr Opin Immunol** 1989–90; 2(6):884–91 (31 ref.)

The cytokine basis for cross-talk between the maternal immune and reproductive systems. Wegmann TG. **Curr Opin Immunol** 1989–90;2(5):765–9 (8 ref.)

Heat shock proteins and immune responses: an early view. DeNagel DC, et al. **Immunol Res** 1991;10(1):66–78 (67 ref.)

Interaction between the brain and the immune system. Rabin BS, et al. **Immunol Ser** 1990;52:125–54 (123 ref.)

Autoimmunity, microbial immunity and the immunological homunculus. Cohen IR, et al. **Immunol Today** 1991 Apr; 12(4):105–10 (75 ref.)

Autoimmune encephalomyelitis and the connection between the nervous and immune systems. Abramsky O, et al. **Isr J Med Sci** 1990 Dec;26(12):686–8 (23 ref.)

Transient immunodepression. Verhoef J. **J Antimicrob Chemother** 1990 Nov;26 Suppl C:23–9 (37 ref.)

[The immune system of the body and peptic ulcer of the stomach] Shevchuk MG, et al. **Klin Khir** 1990;(9):56–60 (50 ref.) **(Rus)**

[The immune system in the tooth-maxillodental segment area] Robustova TG, et al. **Stomatologiia (Mosk)** 1990 Jul–Aug;(4):88–91 (40 ref.) **(Rus)**

INNERVATION

Psychoneuroimmunology: a literature review. Vollhardt LT. **Am J Orthopsychiatry** 1991 Jan;61(1):35–47 (55 ref.)

METABOLISM

Opiate binding sites on cells of the immune system. Madden JJ, et al. **NIDA Res Monogr** 1991;105:103–8 (9 ref.)

PHYSIOLOGY

Modulation of immune function by intestinal neuropeptides. Sirinek LP, et al. **Acta Oncol** 1991;30(4):509–17 (96 ref.)

Interleukins, signal transduction, and the immune system-mediated stress response. Eskay RL, et al. **Adv Exp Med Biol** 1990;274:331–43 (60 ref.)

Neuroendocrine-immune interactions. Kelley KW, et al. **Adv Vet Sci Comp Med** 1990;35:283–305 (115 ref.)

Potential for improving animal health by modulation of behavior and immune function. McGlone JJ. **Adv Vet Sci Comp Med** 1990;35:307–15 (24 ref.)

The relation between immunology, nutrition and disease in elderly people. Chandra RK. **Age Ageing** 1990 Jul; 19(4):S25–31 (27 ref.)

The role of zinc in neuroendocrine-immune interactions during aging. Fabris N, et al. **Ann N Y Acad Sci** 1991; 621:314–26 (50 ref.)

When should the immune clock be reset? From circadian pharmacodynamics to temporally optimized drug delivery. Lévi F, et al. **Ann N Y Acad Sci** 1991;618:312–29 (71 ref.)

Endocrine and immune implications of human endometrial decidualization in implantation. Mori T, et al. **Ann N Y Acad Sci** 1991;626:321–30 (33 ref.)

Sustained arterial injury and progression of atherosclerosis. Sueishi K, et al. **Ann N Y Acad Sci** 1990;598:223–31 (22 ref.)

Sex hormones and the immune system—Part 2. Animal data. Ahmed SA, et al. **Baillieres Clin Rheumatol** 1990 Apr; 4(1):13–31 (104 ref.)

Sex hormones and the immune system—Part 1. Human data. Lahita RG. **Baillieres Clin Rheumatol** 1990 Apr;4(1):1–12 (96 ref.)

Self-regulation of the immune system through biobehavioral strategies. Halley FM. **Biofeedback Self Regul** 1991 Mar; 16(1):55–74 (63 ref.)

Neurotransmitter signaling of cells of the immune system: important progress, major gaps. Felten DL. **Brain Behav Immun** 1991 Mar;5(1):2–8 (0 ref.)

Viral oncogenesis and the immune system. Rapp F, et al. **Cancer Detect Prev** 1990;14(4):437–44 (75 ref.)

Immunologic aspects of scleroderma. Korn JH. **Curr Opin Rheumatol** 1989 Dec;1(4):479–84 (20 ref.)

Hormones common to the neuroendocrine and immune systems. Carr DJ, et al. **Drug Des Deliv** 1989 May; 4(3):187–95 (40 ref.)

Self recognition by the immune system. von Boehmer H. **Eur J Biochem** 1990 Dec 27;194(3):693–8 (53 ref.)

Soluble cytokine receptors: their role in immunoregulation. Fernandez-Botran R. **FASEB J** 1991 Aug;5(11):2567–74 (61 ref.)

Regulatory links between immune and neuroendocrine systems. Besedovsky H, et al. **Immunol Ser** 1989;45:479–90 (78 ref.)

Basic mechanisms and pathways of neuroimmunomodulation (NIM): triggers (and problems for future research). Spector NH. **Int J Neurosci** 1990 Apr;51(3–4):335–7 (4 ref.)

A molecular basis for intersystem communication between the immune and neuroendocrine systems. Carr DJ, et al. **Int Rev Immunol** 1989 Jun;4(3):213–28 (93 ref.)

The role of the immune system in the pathogenesis of psoriasis. Baadsgaard O, et al. **J Invest Dermatol** 1990 Nov; 95(5):32S–34S (10 ref.)

Activation of the oxidative metabolism in human polymorphonuclear neutrophilic granulocytes: the role of immuno-modulating cytokines. Kapp A, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):94S–99S (68 ref.)

Immunologic effects of interferon. Knop J. **J Invest Dermatol** 1990 Dec;95(6 Suppl):72S–74S (25 ref.)

An evolutionary perspective of endotoxin: a signal for a well-adapted defense system. Legrand EK. **Med Hypotheses** 1990 Sep;33(1):49–56 (61 ref.)

Muscle provides glutamine to the immune system. **Nutr Rev** 1990 Oct;48(10):390–2 (11 ref.)

Bone and the immune system. Gruber HE.

Proc Soc Exp Biol Med 1991 Jul;197(3):219–25 (38 ref.)
Immune system control of intestinal ion transport. Hinterleitner TA, et al. **Proc Soc Exp Biol Med** 1991 Jul; 197(3):249–60 (108 ref.)
Prolactin, immunoregulation, and autoimmune diseases. Jara LJ, et al. **Semin Arthritis Rheum** 1991 Apr;20(5):273–84 (93 ref.)
Retinoids in the host defense system. Yamamoto M. **World Rev Nutr Diet** 1991;64:58–84 (124 ref.)
[Immunotoxicology; current developments and trends] Claassen E. **Ned Tijdschr Geneeskd** 1991 May 18; 135(20):879–85 (39 ref.) **(Dut)**
[Interaction between the central nervous system and the immune system—review] Schlenker G, et al. **Berl Munch Tierarztl Wochenschr** 1991 Jul 1;104(7):236–9 (48 ref.) (Eng. Abstr.) **(Ger)**
[Recent perceptions on the development, assembly and function of the immune system] Mayr A. **Tierarztl Prax** 1991 Jun;19(3):235–40 (10 ref.) (Eng. Abstr.) **(Ger)**
[Psychoimmunology. II. The neuroendocrine system and the immune system in autism and schizophrenia] Francesetti G, et al. **Minerva Psichiatr** 1991 Apr–Jun;32(2):75–82 (44 ref.) (Eng. Abstr.) **(Ita)**
[Psychoimmunology. I. Relationships between neuroendocrine and immune systems] Gecele M, et al. **Minerva Psichiatr** 1991 Apr–Jun;32(2):59–73 (178 ref.) (Eng. Abstr.) **(Ita)**
[Neuroendocrine regulation of the immune system] Juránková E. **Cesk Fysiol** 1991;40(2):173–87 (110 ref.) **(Slo)**

PHYSIOPATHOLOGY

Immune mechanisms in experimental and essential hypertension [editorial] Dzielak DJ. **Am J Physiol** 1991 Mar;260(3 Pt 2):R459–67 (66 ref.)
NIH conference. Immunopathogenic mechanisms in human immunodeficiency virus (HIV) infection. Fauci AS, et al. **Ann Intern Med** 1991 Apr 15;114(8):678–93 (113 ref.)
Two dozen current problems in neuroimmunomodulation, aging, and cancer research; the second Stromboli cocktail; further rambunctious remarks. Spector NH. **Ann N Y Acad Sci** 1991;621:441–6 (1 ref.)
The immune system is a key factor in the etiology of psychosocial disease. Smith RS. **Med Hypotheses** 1991 Jan; 34(1):49–57 (69 ref.)
The immune system in minimal change nephrotic syndrome. Schnaper HW. **Pediatr Nephrol** 1989 Jan;3(1):101–10 (126 ref.)
Secondary hyperparathyroidism and the immune system in chronic renal failure. Massry SG, et al. **Semin Nephrol** 1991 Mar;11(2):186–201 (120 ref.)

RADIATION EFFECTS

Immunomodulation by ultraviolet light: clinical studies and biological effects [published erratum appears in Immunol Today 1991 Jul;12(7):227] Pamphilon DH, et al. **Immunol Today** 1991 Apr;12(4):119–23 (46 ref.)
Photoimmunology. Kripke ML. **Photochem Photobiol** 1990 Oct;52(4):919–24 (13 ref.)

IMMUNE TOLERANCE

see related
GRAFT VS HOST DISEASE
IMMUNOSUPPRESSION

Rationale for using immunopotentiators in domestic food animals. Blecha F, et al. **Adv Vet Sci Comp Med** 1990; 35:3–19 (93 ref.)
Chemically induced immunomodulation in domestic food animals. Kehrli ME Jr, et al. **Adv Vet Sci Comp Med** 1990; 35:103–19 (66 ref.)
Model systems to study immunomodulation in domestic food animals. Roth JA, et al. **Adv Vet Sci Comp Med** 1990; 35:21–41 (95 ref.)
Nidation, tolerance, and immunotrophism. Beaman KD. **Am J Reprod Immunol** 1990 Jun;23(2):54–6 (20 ref.)
Maintenance of self tolerance in CD4+ T lymphocytes by antigen presentation on resting B cells—a hypothesis. Rammensee HG. **Bone Marrow Transplant** 1991;7 Suppl 1:26–8 (21 ref.)
Herpesvirus and enteric viral infections in bone marrow transplantation: clinical presentations, pathogenesis, and therapeutic strategies. Holland HK, et al. **Cancer Invest** 1990;8(5):509–21 (104 ref.)
Self-tolerance and autoimmunity. Kronenberg M. **Cell** 1991 May 17;65(4):537–42 (29 ref.)
Physiologic stress and cellular ischemia: relationship to immunosuppression and susceptibility to sepsis. Abraham E. **Crit Care Med** 1991 May;19(5):613–8 (69 ref.)
Immunological tolerance and lymphokines. Holáň V, et al. **Crit Rev Immunol** 1991;10(6):481–93 (143 ref.)
B-cell selection and tolerance. Nossal GJ. **Curr Opin Immunol** 1991 Apr;3(2):193–8 (29 ref.)
Immune responses to tissue-restricted self antigens: studies on T cell tolerance and autoimmunity to pancreatic beta cells. Lo D. **Curr Top Microbiol Immunol** 1990;164:71–94 (96 ref.)
Use of quinolones in the immunocompromised host. Maiche AG. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):361–7 (28 ref.)
Transgenic models of T-cell self tolerance and autoimmunity. Miller JF, et al. **Immunol Rev** 1990 Dec;118:21–35 (55 ref.)
Mechanisms of autoimmunity in the context of T-cell tolerance: insights from natural and transgenic animal model systems. Siegel RM, et al. **Immunol Rev** 1990 Dec; 118:165–92 (91 ref.)
Tolerance and autoimmunity. Patrick CC, et al. **Immunol Ser** 1990;50:415–33 (7 ref.)
Autoantigen processing and the mechanisms of tolerance to self. Werdelin O. **Immunol Ser** 1990;52:1–9 (34 ref.)
Autoimmunity, microbial immunity and the immunological homunculus. Cohen IR, et al. **Immunol Today** 1991 Apr; 12(4):105–10 (75 ref.)
T-cell development and transmembrane signaling: changing biological responses through an unchanging receptor. Finkel TH, et al. **Immunol Today** 1991 Feb;12(2):79–85 (79 ref.)
The dominant self and the cryptic self: shaping the autoreactive T-cell repertoire. Gammon G, et al. **Immunol Today** 1991 Jun;12(6):193–5 (17 ref.)
The presentation of self-peptides: tolerance and competition. Benichou G, et al. **Int Rev Immunol** 1990;6(1):75–88 (52 ref.)
Is immune oversuppression the direct cause of AIDS? Aranda-Anzaldo A. **Med Hypotheses** 1990 Oct; 33(2):129–35 (38 ref.)
Epstein-Barr virus lymphoproliferative disease associated with acquired immunodeficiency. Cohen JI. **Medicine (Baltimore)** 1991 Mar;70(2):137–60 (139 ref.)
Tolerance to self-antigens in transgenic mice. Adams TE. **Mol Biol Med** 1990 Aug;7(4):341–57 (85 ref.)
Diffuse lung disease in the current spectrum of immunocompromised hosts (non-AIDS). Moore EH. **Radiol Clin North Am** 1991 Sep;29(5):983–97 (90 ref.)
New antiviral drugs for treatment of viral infections in immunocompromised patients. Jehn U. **Recent Results Cancer Res** 1991;121:353–9 (22 ref.)
Nutritional effects on response of children in developing countries to respiratory tract pathogens: implications for vaccine development. Keusch GT. **Rev Infect Dis** 1991 May-Jun;13 Suppl 6:S486–91 (54 ref.)
Problems in the diagnosis of invasive fungal diseases. Rinaldi MG. **Rev Infect Dis** 1991 May-Jun;13(3):493–5 (6 ref.)
Candida and Aspergillus infections in immunocompromised patients: an overview. Saral R. **Rev Infect Dis** 1991 May-Jun;13(3):487–92 (30 ref.)
Reprogramming the immune system for tolerance with monoclonal antibodies. Cobbold SP, et al. **Semin Immunol** 1990 Nov;2(6):377–87 (47 ref.)
Bone marrow transplantation as a means of inducing tolerance. Sykes M, et al. **Semin Immunol** 1990 Nov; 2(6):401–17 (119 ref.)
Transplantation tolerance with monoclonal antibodies. Wood KJ. **Semin Immunol** 1990 Nov;2(6):389–99 (62 ref.)
Disseminated strongyloidiasis in AIDS and non-AIDS immunocompromised hosts: diagnosis by sputum and bronchoalveolar lavage. Kramer MR, et al. **South Med J** 1990 Oct;83(10):1226–9 (24 ref.)
Spectrum of invasive pulmonary aspergillosis in immunocompetent patients with chronic obstructive pulmonary disease. Thommi G, et al. **South Med J** 1991 Jul;84(7):828–31 (14 ref.)
Acquisition of self-tolerance in T cells is achieved by different mechanisms, operating both inside and outside the thymus. Jones LA, et al. **Thymus** 1990 Nov-Dec; 16(3-4):195–206 (56 ref.)
Mechanisms of transplantation tolerance: introduction. Brent L. **Transplant Proc** 1991 Feb;23(1 Pt 1):131–2 (16 ref.)
Tolerance: past, present, and future. Brent L. **Transplant Proc** 1991 Aug;23(4):2056–60 (40 ref.)
Tolerogenic and immunosuppressive properties of liver grafts in animals and man. Davies HF, et al. **Transplant Proc** 1991 Aug;23(4):2248–9 (8 ref.)
Safety considerations in the use of ganciclovir in immunocompromised patients. DeArmond B. **Transplant Proc** 1991 Apr;23(2 Suppl 1):26–9 (10 ref.)
Cytomegalovirus infection and indirect sequelae in the immunocompromised transplant patient. Ho M. **Transplant Proc** 1991 Apr;23(2 Suppl 1):2–7 (77 ref.)
Future trends in transplantation in the 1990s: prospects for the induction of clinical tolerance. Monaco AP. **Transplant Proc** 1991 Feb;23(1 Pt 1):67–72 (53 ref.)
New approaches to transplantation tolerance. Smith CV, et al. **Transplant Proc** 1991 Aug;23(4):2157–61 (27 ref.)
T-cell tolerance. Strober S. **Transplant Proc** 1991 Feb;23(1 Pt 1):34–5 (17 ref.)
Neonatal tolerance of H-2 alloantigens. Procuring graft acceptance the "old-fashioned" way. Streilein JW. **Transplantation** 1991 Jul;52(1):1–10 (60 ref.)
Transfusion-induced immunomodulation and its possible role in cancer recurrence and perioperative bacterial infection. Blumberg N, et al. **Yale J Biol Med** 1990 Sep-Oct; 63(5):429–33 (23 ref.)
[Psychogenic stimulation of the immune system by nutrition] Bergler R, et al. **Zentralbl Hyg Umweltmed** 1991 Mar; 191(2-3):241–64 (197 ref.) (Eng. Abstr.) **(Ger)**
[Infection in patients with immunodeficiencies] Arikan S. **Mikrobiyol Bul** 1990 Jul;24(3):279–94 (17 ref.) (Eng. Abstr.) **(Tur)**

DRUG EFFECTS

Are pesticides immunotoxic? Botham PA. **Adverse Drug React Acute Poisoning Rev** 1990 Summer; 9(2):91–101 (43 ref.)
Immunomodulatory effects of chronic morphine treatment: pharmacologic and mechanistic studies. Bryant HU, et al. **NIDA Res Monogr** 1990;96:131–49 (52 ref.)

GENETICS

Transgenic mouse models of self-tolerance and autoreactivity by the immune system. Hanahan D. **Annu Rev Cell Biol** 1990;6:493–537 (112 ref.)
Transgenic models of tolerance and autoimmunity. Miller JF, et al. **Autoimmunity** 1989;4(4):299–314 (57 ref.)

IMMUNOLOGY

The immunology of tolerance and autoimmunity. Mitchison NA. **Br J Rheumatol** 1991;30 Suppl 2:1–2 (3 ref.)
Immune-deficient mice as models of normal and leukemic human hematopoiesis. Dick JE. **Cancer Cells** 1991 Feb; 3(2):39–48 (68 ref.)
Fetal and neonatal immunoincompetence. Vetro SW, et al. **Fetal Ther** 1989;4 Suppl 1:82–91 (59 ref.)
Immunodeficiency after bone marrow transplantation can be associated with autoreactive T-cell receptor gamma delta-bearing lymphocytes. Bensussan A, et al. **Immunol Rev** 1990 Aug;116:5–13 (31 ref.)
Antigen presentation in MHC class II transgenic mice: stimulation versus tolerization. Lo D, et al. **Immunol Rev** 1990 Oct;117:121–34 (44 ref.)
Regulation of B-cell tolerance and triggering by macrophages and lymphoid dendritic cells. Phipps RP, et al. **Immunol Rev** 1990 Oct;117:135–58 (49 ref.)
Tolerance in vivo and in vitro. Tomonari K. **Immunol Rev** 1990 Aug;116:139–57 (49 ref.)
The role of thymic epithelium in the acquisition of tolerance. Houssaint E, et al. **Immunol Today** 1990 Oct;11(10):357–60 (47 ref.)
Could specific oral tolerance be a therapy for autoimmune disease? Thompson HS, et al. **Immunol Today** 1990 Nov; 11(11):396–9 (57 ref.)
Human nonspecific suppressive lymphokines. Halpern MT. **J Clin Immunol** 1991 Jan;11(1):1–12 (86 ref.)
Immunosuppressive actions of retroviruses. Good RA, et al. **Lymphology** 1990 Jun;23(2):56–9 (28 ref.)
Recurrent miscarriage: a review of current concepts, immune mechanisms, and results of treatment. Carp HJ, et al. **Obstet Gynecol Surv** 1990 Oct;45(10):657–69 (101 ref.)
Non-HIV immunosuppressive factors in AIDS: a multifactorial, synergistic theory of AIDS aetiology. Root-Bernstein RS. **Res Immunol** 1990 Nov-Dec; 141(9):815–38 (166 ref.)
[Techniques applicable to broncho-alveolar lavage fluid in hospital laboratory for the diagnosis of parasitic and fungal pneumopathies in immunosuppressed patients] Beauvais B, et al. **Ann Biol Clin (Paris)** 1991;49(3):172–9 (27 ref.) (Eng. Abstr.) **(Fre)**
[Viral infections in immunocompromised patients] Frostad S, et al. **Tidsskr Nor Laegeforen** 1990 Sep 10;110(21):2765–9 (29 ref.) (Eng. Abstr.) **(Nor)**
[Malnutrition and septic complications in cancer of the colon] Nowicki A, et al. **Wiad Lek** 1990 Sep 1–15; 43(17–18):879–83 (25 ref.) (Eng. Abstr.) **(Pol)**
[The role of the immune system in the pathogenesis and treatment of suppurative-inflammatory diseases after cesarean section] Timoshenko LV, et al. **Akush Ginekol (Mosk)** 1990 Nov;(11):9–12 (63 ref.) **(Rus)**
[Post-stress disorders of resistance of mice to recurrent infection by homologous influenza virus] Kramskaia TA, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):47–50 (16 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Veto function in vitro and in vivo. Rammensee HG. **Int Rev Immunol** 1989 May;4(2):175–91 (71 ref.)
Recent evidence for immune privilege in the testis. Maddocks S, et al. **J Reprod Immunol** 1990 Aug;18(1):9–18 (47 ref.)
Testicular immunoregulatory factors. Pöllänen P, et al. **J Reprod Immunol** 1990 Aug;18(1):51–76 (161 ref.)
Mechanism of immunologic suppression in burn injury. Alexander JW. **J Trauma** 1990 Dec;30(12 Suppl):S70–5 (21 ref.)

RADIATION EFFECTS

The effect of UV-irradiation on viral infections of the skin. Norval M, et al. **Microbiol Sci** 1986 Jul;3(7):220–3 (25 ref.)

IMMUNITY

see related
IMMUNOLOGIC TECHNIQUES

Histamine and its congener derivatives as immune modulators. Khan MM, et al. **Agents Actions Suppl** 1991; 33:365–79 (33 ref.)
Interleukin-4: a prototypic immunoregulatory lymphokine. Paul WE. **Blood** 1991 May 1;77(9):1859–70 (123 ref.)
Recapitulation of immune ontogeny: a vital component for the success of bone marrow transplantation. Lum LG. **Cancer Treat Res** 1990;50:27–54 (182 ref.)
Antibacterial peptides: key components needed in immunity. Boman HG. **Cell** 1991 Apr 19;65(2):205–7 (18 ref.)
Immunity to heat shock proteins in rheumatoid arthritis.

Lydyard PM, et al. **Clin Exp Rheumatol** 1990 Jul–Aug;8 Suppl 5:69–74 (41 ref.)
Trace metal nutrition and the immune response. Gershwin ME, et al. **Compr Ther** 1991 Mar;17(3):27–34 (37 ref.)
Cell-surface molecules in the regulation of immune responsiveness. Zaleski MB. **Immunol Invest** 1991 Apr; 20(2):103–31 (88 ref.)
Lectin–carbohydrate interactions in immunoregulation. Kéry V. **Int J Biochem** 1991;23(7–8):631–40 (48 ref.)
The role of IgA in local immune protection. Goldblum RM. **J Clin Immunol** 1990 Nov;10(6 Suppl):64S–70S; discussion 70S–71S (26 ref.)
Cortisol and immunity. Jefferies WM. **Med Hypotheses** 1991 Mar;34(3):198–208 (63 ref.)
Peptide regulatory factors and optimization of vaccines. Schrader JW. **Mol Immunol** 1991 Mar;28(3):295–9 (13 ref.)
The evolution of inducible defence. Harvell CD. **Parasitology** 1990;100 Suppl:S53–61 (61 ref.)
Retinoids in the host defense system. Yamamoto M. **World Rev Nutr Diet** 1991;64:58–84 (124 ref.)
[Immunological aspects of Behçet's disease] Ayed K. **Rev Rhum Mal Osteoartic** 1991 Jan;58(1):53–8 (50 ref.) **(Fre)**
[Relationship between the immune system and heat shock proteins. A literature review] Döcke WD, et al. **Allerg Immunol (Leipz)** 1990;36(4):209–23 (146 ref.) (Eng. Abstr.) **(Ger)**
[The central nervous system and immunity] Boranić M. **Lijec Vjesn** 1990 Sep–Oct;112(9–10):329–34 (118 ref.) (Eng. Abstr.) **(Scr)**

DRUG EFFECTS

Hypothalamic-pituitary mediated modulation of immune function: prolactin as a neuroimmune peptide. Chikanza IC, et al. **Br J Rheumatol** 1991 Jun;30(3):203–7 (60 ref.)
Immunologic alterations by environmental chemicals: relevance of studying mechanisms versus effects. Sharma RP, et al. **J Immunopharmacol** 1980;2(3):285–307 (64 ref.)
The influence of corticosteroids on host defense mechanisms. Cohn LA. **J Vet Intern Med** 1991 Mar–Apr;5(2):95–104 (132 ref.)
Role of arginine in trauma, sepsis, and immunity. Kirk SJ, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):226S–229S (53 ref.)
Immune effects of opiates in test tubes and monkeys. Donahoe RM. **NIDA Res Monogr** 1991;105:89–95 (20 ref.)
[Effect of alcohol on the functional state of the immune system] Aliev NA. **Sov Med** 1991;(2):41–4 (52 ref.) **(Rus)**
[Immune homeostasis in acute poisoning by organophosphorus compounds (a review of the literature)] Zabrodskiĭ PF. **Voen Med Zh** 1990 Dec;(12):34–7 (36 ref.) **(Rus)**

PHYSIOLOGY

Iron and immunity. Farthing MJ. **Acta Paediatr Scand Suppl** 1989;361:44–52 (56 ref.)
Role of prostaglandins E in inflammation and immune responses. Zurier RB. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:947–53 (37 ref.)
Aging and immune function. Miller RA. **Int Rev Cytol** 1991; 124:187–215 (195 ref.)
The role of keratinocyte cytokines in inflammation and immunity. McKenzie RC, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):105S–107S (50 ref.)
Neural control of immune function: opioids, opioid receptors and immunosuppression. Weber RJ, et al. **NIDA Res Monogr** 1991;105:96–102 (0 ref.)
Prolactin and growth hormone in the regulation of the immune system. Gala RR. **Proc Soc Exp Biol Med** 1991 Oct;198(1):513–27 (133 ref.)
The role of colony-stimulating factors in host defenses. Gregory SH, et al. **Proc Soc Exp Biol Med** 1991 Sep; 197(4):349–60 (151 ref.)
Nutritional influences on immunity. Burkholder WJ, et al. **Semin Vet Med Surg (Small Anim)** 1990 Aug;5(3):154–66 (130 ref.)
[Neuropeptides and the immune system] Stępień H. **Acta Physiol Pol** 1989;40 Suppl 34:44–54 (45 ref.) **(Pol)**
[Morphofunctional organization of the hemoimmunopoietic system in evolution] Pestova IM, et al. **Arkh Anat Gistol Embriol** 1990 Nov;99(11):90–9 (113 ref.) **(Rus)**
[Parenteral feeding and immunity] Lukashchuk VD, et al. **Klin Khir** 1991;(2):41–4 (36 ref.) **(Rus)**
[Clinical immunodiagnosis] Pokrovskiĭ VI, et al. **Vestn Akad Med Nauk SSSR** 1991;(3):5–9 (1 ref.) (Eng. Abstr.) **(Rus)**
[Cytokines and their role as health and disease mediators. New approaches to old problems] García-Lloret MI, et al. **Bol Med Hosp Infant Mex** 1990 Dec;47(12):797–808 (97 ref.) (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Ultraviolet radiation effects on immunologic function. Granstein RD. **Reg Immunol** 1990 Mar–Apr;3(2):112–9 (74 ref.)
[Influence of ultraviolet rays on the immune system] Schwarz T. **Ann Dermatol Venereol** 1990;117(6–7):471–5 (34 ref.) **(Fre)**

IMMUNITY, ACTIVE

see related
IMMUNOTHERAPY

IMMUNITY, CELLULAR

see related
HYPERSENSITIVITY, DELAYED

Responses of immune system to hyperthermia. Olkowski ZL, et al. **Adv Exp Med Biol** 1990;267:507–9 (3 ref.)
Mechanisms of action of some immunomodulators used in veterinary medicine. Quinn PJ. **Adv Vet Sci Comp Med** 1990;35:43–99 (174 ref.)
Introductory lecture. Cellular immunity. Festenstein H. **Arch Immunol Ther Exp (Warsz)** 1990;38(1–2):9–20 (51 ref.)
T-cell reactivity to purified lipophosphoglycan from Leishmania major: a model for analysis of the cellular immune response to microbial carbohydrates. Moll H, et al. **Behring Inst Mitt** 1991 Feb;(88):161–9 (54 ref.)
Cell mediated immunity in ageing. Solana R, et al. **Comp Biochem Physiol A** 1991;99(1–2):1–4 (51 ref.)
Association of transfusion with postoperative bacterial infection. Triulzi DJ, et al. **Crit Rev Clin Lab Sci** 1990; 28(2):95–107 (77 ref.)
Leprosy and cell-mediated immunity. Kaplan G, et al. **Curr Opin Immunol** 1991 Feb;3(1):91–6 (32 ref.)
Role of nitric oxide synthesis in macrophage antimicrobial activity. Nathan CF, et al. **Curr Opin Immunol** 1991 Feb; 3(1):65–70 (62 ref.)
Cell-mediated immunity. Goust JM. **Immunol Ser** 1990; 50:195–215 (7 ref.)
Diagnostic evaluation of cell-mediated immunity. Virella G, et al. **Immunol Ser** 1990;50:303–21 (5 ref.)
Tissues and cells in the immune response. Virella G, et al. **Immunol Ser** 1990;50:11–30 (8 ref.)
Immunopathogenesis of oral lichen planus. Walsh LJ, et al. **J Oral Pathol Med** 1990 Oct;19(9):389–96 (87 ref.)
Antimicrobial defenses in the neonate. Quie PG. **Semin Perinatol** 1990 Aug;14(4 Suppl 1):2–9 (37 ref.)
[Neopterin, a marker for activation of cellular immunity] Lambin P, et al. **Rev Fr Transfus Hemobiol** 1990 Dec; 33(6):415–26 (51 ref.) **(Fre)**
[The immunology of tuberculosis and human immunodeficiency virus] Nicod L. **Rev Mal Respir** 1991; 8(3):277–81 (43 ref.) (Eng. Abstr.) **(Fre)**
[Current immunological aspects of Crohn's disease] Louis E, et al. **Rev Med Liege** 1991 Jan;46(1):2–11 (27 ref.) **(Fre)**
[Cellular and humoral mechanisms in graft rejection] Blanco A, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 39:123–6 (30 ref.) **(Spa)**

DRUG EFFECTS

Immunomodulation by histamine. Stanciu L. **Ann Biol Clin (Paris)** 1990;48(9):623–5 (49 ref.)
Immunological aspects of new quinolones. Shalit I. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):262–6 (27 ref.)
Morphine-induced immune modulation: does it predispose to HIV infection? Arora PK. **NIDA Res Monogr** 1990; 96:150–65 (37 ref.)
In vitro immunotoxicology and immunopharmacology: studies on drugs of abuse. Pillai RM, et al. **Toxicol Lett** 1990 Oct;53(3):269–83 (96 ref.)
[Vitamin D and the immune system] Poršová I, et al. **Vnitr Lek** 1990 Jul;36(7):699–703 (35 ref.) (Eng. Abstr.) **(Cze)**
[Action of non-steroidal anti-inflammatory agents on the immune system] Cortet B, et al. **Rev Rhum Mal Osteoartic** 1991 May;58(5):379–86 (26 ref.) (Eng. Abstr.) **(Fre)**
[Injury to the immune system by food contaminated by environmental toxins] Stickl HA. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):232–40 (10 ref.) (Eng. Abstr.) **(Ger)**
[Vitamin D and the immunological system] Asali A, et al. **Harefuah** 1990 Dec 2;119(11):390–2 (55 ref.) **(Heb)**

GENETICS

Genetic control of cell-mediated immunity in chickens. Bacon LD, et al. **Poult Sci** 1991 May;70(5):1187–99 (113 ref.)

IMMUNOLOGY

Immunotherapy and immunity to cancer: cellular mechanisms. Ferrini S, et al. **Curr Opin Immunol** 1989–90; 2(5):683–8 (32 ref.)
The cellular and molecular basis of the human T cell response to Dermatophagoides spp. (house dust mite). O'Hehir RE, et al. **Parasite Immunol** 1991 Mar;13(2):109–19 (47 ref.)
Cellular and molecular aspects of insect immunity. Hoffmann D, et al. **Res Immunol** 1990 Nov–Dec;141(9):895–6 (0 ref.)
[Aging and the cutaneous immune system] Souteyrand P, et al. **Rev Fr Gynecol Obstet** 1991 Jun;86(6):455–7 (10 ref.) (Eng. Abstr.) **(Fre)**
[Interferons. Endogenous virostatic drugs, cytostatic drugs and immunomodulators] Uhl D. **Med Monatsschr Pharm** 1991 Mar;14(3):66–9 (2 ref.) **(Ger)**

PHYSIOLOGY

Psychoneuroimmunology. Implications for oncology? Bovbjerg DH. **Cancer** 1991 Feb 1;67(3 Suppl):828–32 (52 ref.)
Cell-mediated cytotoxicity: ATP as an effector and the role of target cells. Steinberg TH, et al. **Curr Opin Immunol** 1991 Feb;3(1):71–5 (39 ref.)
Influence of physical activity on the cellular immune system: mechanisms of action. Pedersen BK. **Int J Sports Med** 1991 Jun;12 Suppl 1:S23–9 (54 ref.)
Structural and functional similarities of opiate receptors of neural and immune origin. Carr DJ, et al. **NIDA Res Monogr** 1990;96:122–130 (41 ref.)

RADIATION EFFECTS

Ultraviolet radiation and modulation. Roberts LK, et al. **Immunol Ser** 1989;46:167–215 (175 ref.)

IMMUNITY, HUMORAL see **ANTIBODY FORMATION**

IMMUNITY, MATERNALLY-ACQUIRED

see related
IMMUNIZATION, PASSIVE

Maternal immunization to prevent fetal and neonatal infection. Faix RG. **Clin Obstet Gynecol** 1991 Jun; 34(2):277–87 (23 ref.)
Antimicrobial defenses in the neonate. Quie PG. **Semin Perinatol** 1990 Aug;14(4 Suppl 1):2–9 (37 ref.)

IMMUNOLOGY

[IgG subclass antibodies in children of Vallidolid. Low materno-fetal protection] Gutiérrez Diéz FJ, et al. **An Esp Pediatr** 1991 Jan;34(1):19–24 (57 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Antibody-mediated immunity in the neonate. Hanson LA, et al. **Padiatr Padol** 1990;25(5):371–6 (25 ref.)
[The role of maternal body in the development of allergic reactivity in a newborn infant] Kuznetsova AV. **Akush Ginekol (Mosk)** 1991 May;(5):14–5 (26 ref.) **(Rus)**

IMMUNITY, NATURAL

Innate resistance to malaria: the intraerythrocytic cycle. Nagel RL. **Blood Cells** 1990;16(2–3):321–39; discussion 340–9 (90 ref.)
Leukocyte adhesion in host defense and tissue injury. Patarroyo M. **Clin Immunol Immunopathol** 1991 Sep; 60(3):333–48 (49 ref.)
Lymphokine-activated killer cells, natural killer cells and cytokines. Perussia B. **Curr Opin Immunol** 1991 Feb; 3(1):49–55 (48 ref.)
Mechanisms of herpesvirus immuno-evasion. Fitzpatrick DR, et al. **Microb Pathog** 1991 Apr;10(4):253–9 (42 ref.)

DRUG EFFECTS

Relationship between selenium, immunity and resistance against infection. Dhur A, et al. **Comp Biochem Physiol [C]** 1990;96(2):271–80 (124 ref.)

GENETICS

Homologies between the major histocompatibility complex of man and cattle: consequences for disease resistance and susceptibility. Giphart MJ, et al. **Vet Q** 1990 Oct; 12(4):202–11 (49 ref.)

IMMUNOLOGY

Natural autoantibodies: from 'horror autotoxicus' to 'gnothi seauton'. Avrameas S. **Immunol Today** 1991 May; 12(5):154–9 (47 ref.)
The spontaneous regression of neuroblastoma. Experimental evidence for a natural host immunity. Bolande RP. **Pathol Annu** 1991;26 Pt 2:187–99 (39 ref.)

IMMUNITY, NON-SPECIFIC see **IMMUNITY, NATURAL**

IMMUNIZATION

Outer membrane protein PhoE as a carrier for the exposure of foreign antigenic determinants at the bacterial cell surface. Agterberg M, et al. **Antonie Van Leeuwenhoek** 1991 May;59(4):249–62 (70 ref.)
The effector mechanism and vaccination against cutaneous leishmaniasis. Liew FY. **Behring Inst Mitt** 1991 Feb; (88):239–43 (26 ref.)
Platelet transfusions irradiated with ultraviolet-B light may have a role in reducing recipient alloimmunization. Tandy NP, et al. **Blood Coagul Fibrinolysis** 1991 Apr;2(2):383–8 (38 ref.)
Maternal immunization to prevent fetal and neonatal infection. Faix RG. **Clin Obstet Gynecol** 1991 Jun; 34(2):277–87 (23 ref.)
Immunotherapy and fertility control by immunization against gonadotrophin-releasing hormone. Talwar GP, et al. **Curr Opin Immunol** 1989–90;2(5):733–5 (5 ref.)

Long-lasting kidney graft survival after immunization with antibody-coated blood cells: mediation by immunosuppressive autoantibodies. Terness P, et al. **Immunol Lett** 1990 Nov;26(2):139-44 (20 ref.)
Immunizations. Middleton DB. **Prim Care** 1990 Dec; 17(4):713-30 (41 ref.)
Prevention and treatment of hepatitis delta virus infection. Karayiannis P, et al. **Prog Clin Biol Res** 1991;364:377-83 (8 ref.)
The Niels Jerne lecture. Why does the exposure to allogeneic cells sometimes lead to immunization and sometimes not? van Rood JJ. **Res Immunol** 1990 Oct;141(8):783-94 (29 ref.)
Haemophilus influenzae disease and immunization in developing countries. Funkhouser A, et al. **Rev Infect Dis** 1991 May-Jun;13 Suppl 6:S542-54 (103 ref.)
An anthropological perspective on the acceptability of immunization services. Heggenhougen HK, et al. **Scand J Infect Dis Suppl** 1990;76:20-31 (93 ref.)
Cytomegalovirus vaccine development--past and present. Plotkin SA. **Transplant Proc** 1991 Jun;23(3 Suppl 3):85-9 (10 ref.)

METHODS

In vitro immunization for the production of human monoclonal antibody. Koda K, et al. **Hum Antibodies Hybridomas** 1990;1(1):15-22 (130 ref.)
Could specific oral tolerance be a therapy for autoimmune disease? Thompson HS, et al. **Immunol Today** 1990 Nov; 11(11):396-9 (57 ref.)

STANDARDS

Health risks of foreign travel. Preparing adults for jaunts abroad. Spees DN. **Postgrad Med** 1991 Jun;89(8):147-50, 153, 156 (18 ref.)
Travel medicine for the primary care physician. Studemeister A. **West J Med** 1991 Apr;154(4):418-22 (19 ref.)

TRENDS

New approaches to vaccination. Flexner C. **Adv Pharmacol** 1990;21:51-99 (182 ref.)

UTILIZATION

Failure to immunize children under 5 years: a literature review. Lochhead YJ. **J Adv Nurs** 1991 Feb;16(2):130-7 (31 ref.)

IMMUNIZATION, ACTIVE see **VACCINATION**

IMMUNIZATION, PASSIVE

Newer uses of intravenous immunoglobulins as anti-infective agents. Pennington JE. **Antimicrob Agents Chemother** 1990 Aug;34(8):1463-6 (30 ref.)
Use of intravenous immunoglobulin in various medical conditions. A Japanese experience. Abe T, et al. **Cancer** 1991 Sep 15;68(6 Suppl):1454-9 (13 ref.)
Mechanisms of action of intravenous immunoglobulin therapy and potential use in autoimmune connective tissue diseases. Ballow M. **Cancer** 1991 Sep 15;68(6 Suppl):1430-6 (42 ref.)
Use of intravenous immunoglobulin in chronic lymphocytic leukemia. A brief review. Dicato M, et al. **Cancer** 1991 Sep 15;68(6 Suppl):1437-9 (11 ref.)
Intravenous immunoglobulin in bone marrow transplantation. Gale RP, et al. **Cancer** 1991 Sep 15;68(6 Suppl):1451-3 (16 ref.)
Immune thrombocytopenic purpura and intravenous immunoglobulin. Imbach P. **Cancer** 1991 Sep 15;68(6 Suppl):1422-5 (29 ref.)
Immunoglobulin subclasses and prophylactic use of immunoglobulin in immunoglobulin G subclass deficiency. Söderström T, et al. **Cancer** 1991 Sep 15;68(6 Suppl):1426-9 (13 ref.)
Use of intravenous immunoglobulin in acquired immune deficiency syndrome. Yap PL, et al. **Cancer** 1991 Sep 15; 68(6 Suppl):1440-50 (85 ref.)
Immunoglobulin therapy in infectious disease. Pennington JE. **Cleve Clin J Med** 1991 Jul-Aug;58(4):309-12 (15 ref.)
Treatment of Kawasaki disease. Nakashima L, et al. **Clin Pharm** 1990 Oct;9(10):755-62 (34 ref.)
Intravenous immunoglobulin. **Consens Statement** 1990 May 21-23;8(5):1-23 (0 ref.)
Steroids and biologic agents in the intensive care unit. Allen RP, et al. **Crit Care Clin** 1991 Jul;7(3):695-711 (95 ref.)
Synergy between plasma exchange and intravenous immunoglobulin. Nydegger UE, et al. **Curr Stud Hematol Blood Transfus** 1990;(57):31-50 (91 ref.)
Prophylactic treatment regimens for the prevention of hepatitis A. Current concepts. Kendall BJ, et al. **Drugs** 1991 Jun;41(6):883-8 (39 ref.)
New and old aspects of immunoglobulin application. The use of intravenous IgG as prophylaxis and for treatment of infections. Hammarström L, et al. **Infection** 1990 Sep-Oct;18(5):314-24 (174 ref.)
Immunoglobulin deficiency syndromes and therapy. Huston DP, et al. **J Allergy Clin Immunol** 1991 Jan;87(1 Pt 1):1-17 (93 ref.)
New uses of intravenous immune globulin in newborn infants. Baker CJ. **J Clin Immunol** 1990 Nov;10(6 Suppl):47S-52S; discussion 52S-55S (18 ref.)
Immunoglobulin therapy for neonatal sepsis: an overview of animal and clinical studies. Fischer GW. **J Clin Immunol** 1990 Nov;10(6 Suppl):40S-46S (15 ref.)
The use of immunoglobulin in bone marrow transplantation. Tutschka PJ. **J Clin Immunol** 1990 Nov;10(6 Suppl):88S-92S (13 ref.)
Immunoglobulins and other modalities for the prevention and treatment of enteric viral infections. Yolken R, et al. **J Clin Immunol** 1990 Nov;10(6 Suppl):80S-86S; discussion 86S-87S (35 ref.)
The proinflammatory cytokines interleukin-1 and tumor necrosis factor and treatment of the septic shock syndrome. Dinarello CA. **J Infect Dis** 1991 Jun;163(6):1177-84 (89 ref.)
Vaccines and milk immunoglobulin concentrates for prevention of infectious diarrhea. Levine MM. **J Pediatr** 1991 Apr;118(4 (Pt 2)):S129-36 (70 ref.)
Current therapy for acute Kawasaki syndrome. Rowley AH, et al. **J Pediatr** 1991 Jun;118(6):987-91 (25 ref.)
NIH consensus conference. Intravenous immunoglobulin. Prevention and treatment of disease. **JAMA** 1990 Dec 26; 264(24):3189-93 (0 ref.)
The use of intravenous immune globulin in immunodeficiency diseases. Buckley RH, et al. **N Engl J Med** 1991 Jul 11; 325(2):110-7 (100 ref.)
Biologic and immunomodulating factors in the treatment of pediatric acquired immunodeficiency syndrome. Ammann AJ. **Pediatr Infect Dis J** 1990 Dec;9(12):894-904 (42 ref.)
Aspects of immunoglobulin replacement therapy. Beard LJ, et al. **Pediatr Infect Dis J** 1990 Aug;9(8 Suppl):S54-61 (31 ref.)
Varicella in the womb and beyond. Brunell PA. **Pediatr Infect Dis J** 1990 Oct;9(10):770-2 (27 ref.)
Passive immunization to prevent mother-infant transmission of human immunodeficiency virus: current issues and future directions. Mofenson LM, et al. **Pediatr Infect Dis J** 1991 Jun;10(6):456-62 (48 ref.)
Consensus: varicella-zoster infections in pregnancy and the perinatal period. Prober CG, et al. **Pediatr Infect Dis J** 1990 Dec;9(12):865-9 (12 ref.)
Cytomegalovirus immunoglobulins in the prevention and treatment of cytomegalovirus disease. Snydman DR. **Rev Infect Dis** 1990 Sep-Oct;12 Suppl 7:S839-48 (55 ref.)
Therapeutic intervention of clinical sepsis with intravenous immunoglobulin, white blood cells and antibiotics. Fischer GW, et al. **Scand J Infect Dis Suppl** 1990;73:17-21 (25 ref.)
The role of intravenous immunoglobulin in the treatment and prevention of neonatal bacterial infection. Hill HR. **Semin Perinatol** 1991 Jun;15(3 Suppl 2):41-6 (45 ref.)
Critical evaluation of agents used in the treatment and prevention of cytomegalovirus infection in immunocompromised patients. Meyers JD. **Transplant Proc** 1991 Jun;23(3 Suppl 3):139-42, discussion 142-3 (14 ref.)
Treatment of cytomegalovirus pneumonia in transplant patients. Reed EC. **Transplant Proc** 1991 Apr;23(2 Suppl 1):8-12 (39 ref.)
The role of immunoglobulin in bone marrow transplantation. Saral R. **Transplant Proc** 1991 Aug;23(4):2128-32 (40 ref.)
Cytomegalovirus infections in the immunocompromised transplant patient. Prevention of cytomegalovirus disease with intravenous immune globulin. Snydman DR. **Transplant Proc** 1991 Apr;23(2 Suppl 1):20-5 (43 ref.)
Prevention of cytomegalovirus-associated diseases with immunoglobulin. Snydman DR. **Transplant Proc** 1991 Jun; 23(3 Suppl 3):131-5, discussion 135 (27 ref.)
[Rational hemotherapy. Indications, complications and practical performance] Heslet L, et al. **Ugeskr Laeger** 1990 Sep 10;152(37):2635-9 (30 ref.) (Eng. Abstr.) **(Dan)**
[High-dose intravenous immunoglobulins in the treatment of immune blood cytopenia. Mechanisms of action, indications and results] Aymard JP, et al. **Ann Med Interne (Paris)** 1990;141(8):689-97 (123 ref.) **(Fre)**
[In vitro and in vivo efficacy of a toxin-neutralizing human staphylococcal immunoglobulin] Hungerer KD, et al. **Behring Inst Mitt** 1990 Oct;(86):170-84 (32 ref.) (Eng. Abstr.) **(Ger)**
[Active and passive prevention of viral hepatitis] Jilg W. **Internist (Berl)** 1991 May;32(5):249-55 (30 ref.) **(Ger)**
[Neonatal sepsis: bases and possibilities for immunotherapy and immunoprophylaxis. 3: Immunoprophylaxis] Borte M, et al. **Padiatr Grenzgeb** 1990;29(5):373-6 (26 ref.) (Eng. Abstr.) **(Ger)**

METHODS

[Active and passive immunization: 1991 status] Herzog C. **Ther Umsch** 1991 Apr;48(4):232-44 (38 ref.) (Eng. Abstr.) **(Ger)**

STANDARDS

Consensus conference. Conference on intravenous immunoglobulin. National Institutes of Health. **Conn Med** 1990 Dec;54(12):677-83 (0 ref.)

TRENDS

Recent advances in intravenous immunoglobulin therapy: Concluding remarks. Current trends and future directions. Desai RG. **Cancer** 1991 Sep 15;68(6 Suppl):1460-4 (52 ref.)

IMMUNIZATION SCHEDULE

[The side effects of vaccines used in prophylactic inoculation schedules] Ozeretskovskiĭ NA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1991 May;(5):59-63 (53 ref.) **(Rus)**
[Vaccination coverage in a pediatric population attended by a primary health care center] Lou Arnal S, et al. **An Esp Pediatr** 1990 Jul;33(1):27-30 (34 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOACTIVATORS see **ADJUVANTS, IMMUNOLOGIC**

IMMUNOADJUVANTS see **ADJUVANTS, IMMUNOLOGIC**

IMMUNOADSORBENT TECHNIQUES see **IMMUNOSORBENT TECHNIQUES**

IMMUNOASSAY

Assays for IGF binding proteins. Rutanen EM, et al. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:70-3 (24 ref.)
Approaches to minimizing interference by cross-reacting molecules in immunoassays. Miller JJ, et al. **Clin Chem** 1991 Feb;37(2):144-53 (47 ref.)
Application of immunoassay in the food industry. Samarajeewa U, et al. **Crit Rev Food Sci Nutr** 1991; 29(6):403-34 (377 ref.)
Breast epithelial antigens in the circulation of breast cancer patients. Ceriani RL, et al. **Immunol Ser** 1990;53:223-41 (76 ref.)
Use of immunologic techniques in gene analysis. Turco E, et al. **Immunol Ser** 1990;53:205-22 (23 ref.)
Immunological methods for detection of foodborne pathogens and their toxins. Notermans S, et al. **Int J Food Microbiol** 1991 Jan;12(1):91-102 (42 ref.)
Evaluation and interpretation of data obtained with immunoassays and DNA-DNA hybridization techniques. Notermans S, et al. **Int J Food Microbiol** 1990 Aug; 11(1):35-49 (79 ref.)
Antibodies to DNA alkylation adducts as analytical tools in chemical carcinogenesis. Wild CP. **Mutat Res** 1990 Nov-Dec;233(1-2):219-33 (107 ref.)
Mycobacterium leprae antigens and their utility in immunodiagnostics of leprosy. Sengupta U. **Trop Med Parasitol** 1990 Sep;41(3):361-2 (9 ref.)
Immunoassays for mycotoxins: current state of the art, commercial and epidemiological applications. Chu FS. **Vet Hum Toxicol** 1990;32 Suppl:42-50 (92 ref.)

INSTRUMENTATION

Optical immunosensing systems--meeting the market needs. Robinson GA. **Biosens Bioelectron** 1991;6(3):183-91 (30 ref.)

METHODS

Advances in simple immunoassays for decentralized testing. Sutherland RM, et al. **Adv Clin Chem** 1990;28:93-108 (40 ref.)
Optical immunosensors. Robinson GA. **Biochem Soc Trans** 1991 Feb;19(1):18-20 (21 ref.)
Advances in clinical immunology. Merryman P. **Bull Hosp Jt Dis Orthop Inst** 1991 Spring;51(1):12-21 (36 ref.)
Detection techniques for immunoassay and DNA probing applications. Diamandis EP. **Clin Biochem** 1990 Oct; 23(5):437-43 (34 ref.)
Analytical methodology for immunoassays and DNA hybridization assays--current status and selected systems--critical review. Diamandis EP. **Clin Chim Acta** 1990 Dec 17;194(1):19-50 (147 ref.)
Amperometric immunoassay. Monroe D. **Crit Rev Clin Lab Sci** 1990;28(1):1-18 (43 ref.)
Multi-analyte immunoassay. Ekins RP. **J Pharm Biomed Anal** 1989;7(2):155-68 (21 ref.)
Antigen and antibody detection and update on the diagnosis of dengue. Shope RE. **Southeast Asian J Trop Med Public Health** 1990 Dec; 21(4):642-5 (23 ref.)

STANDARDS

Endogenous interference in immunoassays in clinical chemistry. A review. Weber TH, et al. **Scand J Clin Lab Invest Suppl** 1990;201:77-82 (36 ref.)

IMMUNOASSAY, ENZYME see **IMMUNOENZYME TECHNIQUES**

IMMUNOBLASTIC LYMPHADENOPATHY

PATHOLOGY

The pathology of immunoblastic proliferations. Reaction, prelymphoma, lymphoma. Tindle BH. **Pathol Annu** 1991; 26 Pt 2:145-86 (181 ref.)

IMMUNOBLOTTING

[Hepatitis B virus DNA. Current diagnosis in children with chronic hepatitis B] Wirth S, et al. **Monatsschr Kinderheilkd** 1991 Apr;139(4):202–7 (31 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Immunoblotting techniques. Poxton IR. **Curr Opin Immunol** 1989–90;2(6):905–9 (23 ref.)

IMMUNOCHEMISTRY

see related
IMMUNOBLOTTING
IMMUNOLOGIC TECHNIQUES

IMMUNOCOMPETENCE

Herd immunity and the HIV epidemic. O'Connor WT. **Prev Med** 1991 May;20(3):329–42 (103 ref.)

DRUG EFFECTS

Mechanisms of the antimetastatic activity of stable prostacyclin analogues: modulation of host immunocompetence. Costantini V, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:917–20 (10 ref.)

2,3,7,8–tetrachlorodibenzo–p–dioxin–induced changes in immunocompetence: possible mechanisms. Holsapple MP, et al. **Annu Rev Pharmacol Toxicol** 1991;31:73–100 (109 ref.)

[The interaction of psychotropic preparations with immunocompetent targets as the basis for their future nontraditional use] Piruzian LA, et al. **Izv Akad Nauk SSSR [Biol]** 1990 Nov–Dec;(6):835–44 (25 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Fetal and neonatal immunoincompetence. Vetro SW, et al. **Fetal Ther** 1989;4 Suppl 1:82–91 (59 ref.)

RADIATION EFFECTS

[The cutaneous immune system and photo–aging] Nikkels AF, et al. **Rev Med Liege** 1991 Mar;46(3):158–63 (23 ref.) **(Fre)**

IMMUNOCONTRACEPTION see **CONTRACEPTION, IMMUNOLOGIC**

IMMUNOCYTOCHEMISTRY see **IMMUNOHISTOCHEMISTRY**

IMMUNODEFICIENCY SYNDROME, ACQUIRED see **ACQUIRED IMMUNODEFICIENCY SYNDROME**

IMMUNODIAGNOSIS see **IMMUNOLOGIC TESTS**

IMMUNODOMINANT EPITOPES

IMMUNOLOGY

Autoimmunity, microbial immunity and the immunological homunculus. Cohen IR, et al. **Immunol Today** 1991 Apr; 12(4):105–10 (75 ref.)

IMMUNOELECTROBLOTTING see **IMMUNOBLOTTING**

IMMUNOELECTRON MICROSCOPY see **MICROSCOPY, IMMUNOELECTRON**

IMMUNOENZYME TECHNIQUES

Ultrasensitive enzyme immunoassay. Ishikawa E, et al. **Clin Chim Acta** 1990 Dec 17;194(1):51–72 (53 ref.)

Enzyme–linked immunosorbent assays and developments in techniques using latex beads. Tijssen P, et al. **Curr Opin Immunol** 1991 Apr;3(2):233–7 (38 ref.)

Determination of IL1 alpha, IL1 beta and IL2 in biological media using specific enzyme immunometric assays. Grassi J, et al. **Immunol Rev** 1991 Feb;119:125–45 (44 ref.)

Novel detection system for homogeneous enzyme immunoassays. Ashihara Y. **Immunol Ser** 1990;53:125–43 (53 ref.)

Enhanced detection systems for enzyme–linked heterogeneous immunoassays: luminescence. Edwards JC, et al. **Immunol Ser** 1990;53:95–106 (39 ref.)

Strategies for heterogeneous enzyme immunoassays for tumor markers. King WJ, et al. **Immunol Ser** 1990;53:83–93 (30 ref.)

Overview of the state of the art of immunoassay screening tests. Golden CA. **J Am Vet Med Assoc** 1991 Mar 1; 198(5):827–30 (5 ref.)

Development of ultrasensitive enzyme immunoassay reviewed with emphasis on factors which limit the sensitivity. Ishikawa E, et al. **Mol Cell Probes** 1991 Apr; 5(2):81–95 (49 ref.)

Shigellosis in Vietnam: seroepidemiologic studies with use of lipopolysaccharide antigens in enzyme immunoassays. Lindberg AA, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S231–7 (23 ref.)

Double immunoenzyme staining. van Maarsseveen TC, et al. **Z Erkr Atmungsorgane** 1991;176(2–3):165–71 (5 ref.)

[Use of the immunoperoxidase method at the light microscopic level] Chumachenko PV. **Arkh Patol** 1991; 53(1):68–72 (49 ref.) (Eng. Abstr.) **(Rus)**

[Immunoenzyme analysis for the detection of HIV antigens (its use, potentials and limits)] Andzhaparidze OG, et al. **Vopr Virusol** 1991 May–Jun;36(3):180–1 (40 ref.) **(Rus)**

VETERINARY

Technical considerations for developing enzyme immunohistochemical staining procedures on formalin–fixed paraffin–embedded tissues for diagnostic pathology. Haines DM, et al. **J Vet Diagn Invest** 1991 Jan; 3(1):101–12 (38 ref.)

IMMUNOFLUORESCENCE MICROSCOPY see **MICROSCOPY, FLUORESCENCE**

IMMUNOFLUORESCENCE TECHNIQUE see **FLUORESCENT ANTIBODY TECHNIQUE**

IMMUNOFLUOROMETRIC ASSAY see **FLUOROIMMUNOASSAY**

IMMUNOGENETICS

Acquiring immunogenetic data. Litwin SD. **Immunol Ser** 1989;43:5–32 (40 ref.)

Maternal–fetal immunogenetics. Mogil RJ, et al. **Immunol Ser** 1989;43:69–89 (71 ref.)

Molecular biology: tools and applications. Pollok BA. **Immunol Ser** 1989;43:91–106 (21 ref.)

Insulin–dependent diabetes mellitus and immunogenetics: maternal and fetal considerations. Reece EA, et al. **Obstet Gynecol Surv** 1991 May;46(5):255–63 (65 ref.)

IMMUNOGENS, SYNTHETIC see **VACCINES, SYNTHETIC**

IMMUNOGLOBULIN ALLOTYPES

GENETICS

Immunoglobulin allotypes. Litwin SD. **Immunol Ser** 1989; 43:203–36 (82 ref.)

IMMUNOGLOBULIN ENHANCER–BINDING PROTEIN see **NF–KAPPA B**

IMMUNOGLOBULIN GM ALLOTYPES

GENETICS

Immunogenetic markers as probes for polymorphism, gene regulation and gene transfer in man—the Gm system in perspective. Grubb R. **APMIS** 1991 Mar;99(3):199–209 (83 ref.)

IMMUNOGLOBULIN IDIOTYPES

Autoantibodies and their idiotypes. Isenberg DA. **Curr Opin Rheumatol** 1990 Oct;2(5):724–32 (35 ref.)

DNA antibody idiotypes. An analysis of their role in health and disease. Isenberg DA, et al. **J Autoimmun** 1990 Aug; 3(4):339–55; discussion 355–6 (103 ref.)

The characterization of DNA antibody idiotypes—a description. Rauch J, et al. **J Autoimmun** 1990 Aug; 3(4):357–66; discussion 367–75 (30 ref.)

Idiotype–mediated intervention in systemic lupus erythematosus. Zouali M, et al. **J Autoimmun** 1990 Aug; 3(4):381–8 (34 ref.)

CHEMISTRY

The use of defined peptides in characterizing idiotypes. Chen PP, et al. **Int Rev Immunol** 1987 Jul;2(4):419–32 (72 ref.)

Topographic analysis with monoclonal anti–idiotopes: probing the functional anatomy of immunoglobulin variable domains. Greenspan NS, et al. **Int Rev Immunol** 1987 Jul; 2(4):391–417 (61 ref.)

Immunoglobulin structural diversities and idiotypic expression. Stevens FJ, et al. **Int Rev Immunol** 1987 Jul; 2(4):357–78 (108 ref.)

IMMUNOLOGY

The physiology of anti–idiotypic interactions: from clonal to paratopic selection. Greally JM. **Clin Immunol Immunopathol** 1991 Jul;60(1):1–12 (67 ref.)

Human anti–DNA idiotype (16/6 idiotype): pathogenic role in autoimmunity. Abu–Shakra M, et al. **Hum Antibodies Hybridomas** 1990;1(1):10–4 (47 ref.)

Perspectives on antigenicity and idiotypy. Kieber–Emmons T, et al. **Int Rev Immunol** 1987 Jul;2(4):339–56 (93 ref.)

Mixed cryoglobulinemia cross–reactive idiotypes: implications for the relationship of MC to rheumatic and lymphoproliferative diseases. Gorevic PD, et al. **Semin Hematol** 1991 Apr;28(2):79–94 (147 ref.)

IMMUNOGLOBULIN ISOTYPES

DEFICIENCY

IgG subclass deficiency. Preud'homme JL, et al. **Immunodefic Rev** 1990;2(2):129–49 (106 ref.)

IMMUNOLOGY

T cell regulation of immunoglobulin isotypes in health and disease. Benson EM, et al. **Pediatr Infect Dis J** 1990 Aug; 9(8 Suppl):S25–35 (149 ref.)

IMMUNOGLOBULIN JOINING REGION

see related
GENES, IMMUNOGLOBULIN

IMMUNOGLOBULIN–PRODUCING CELLS see **ANTIBODY–PRODUCING CELLS**

IMMUNOGLOBULIN–SECRETING CELLS see **ANTIBODY–PRODUCING CELLS**

IMMUNOGLOBULIN SWITCH REGION

GENETICS

Beswitched. The looping out model for immunoglobulin class switching. von Schwedler U, et al. **New Biol** 1990 Aug; 2(8):657–62 (32 ref.)

IMMUNOGLOBULIN THERAPY see **IMMUNIZATION, PASSIVE**

IMMUNOGLOBULIN VARIABLE REGION

CHEMISTRY

Topographic analysis with monoclonal anti–idiotopes: probing the functional anatomy of immunoglobulin variable domains. Greenspan NS, et al. **Int Rev Immunol** 1987 Jul; 2(4):391–417 (61 ref.)

GENETICS

Human immunoglobulin heavy–chain variable region genes: organization, polymorphism, and expression. Pascual V, et al. **Adv Immunol** 1991;49:1–74 (180 ref.)

Cloning for expression of immunoglobulin variable region genes and generation of variable region gene repertoires. Güssow D. **Behring Inst Mitt** 1990 Dec;(87):25–32 (12 ref.)

Detection of cancer predisposition by hypervariable region analysis. Krontiris TG. **Birth Defects** 1990;26(1):129–40 (37 ref.)

Pairing of VK and VK gene families in self–reactive antibodies. Bona CA, et al. **J Clin Immunol** 1990 Sep; 10(5):223–36 (67 ref.)

[Structure and function of the immunoglobulin Vh gene in man] Lukowsky A, et al. **Allerg Immunol (Leipz)** 1990; 36(4):225–32 (43 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Peptides derived from the CDR3–homologous domain of the CD4 molecule are specific inhibitors of HIV–1 and SIV infection, virus–induced cell fusion, and postinfection viral transmission in vitro. Implications for the design of small peptide anti–HIV therapeutic agents. Rausch DM, et al. **Ann N Y Acad Sci** 1990;616:125–48 (79 ref.)

IMMUNOGLOBULINS

Potential for tumor therapy with iodine–125 labeled immunoglobulins. Adelstein SJ, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):43–4 (10 ref.)

ADMINISTRATION & DOSAGE

Differences in immunoglobulin preparations for intravenous use: a comparison of six products. Greenbaum BH. **Am J Pediatr Hematol Oncol** 1990 Winter;12(4):490–6 (46 ref.)

Newer uses of intravenous immunoglobulins as anti–infective agents. Pennington JE. **Antimicrob Agents Chemother** 1990 Aug;34(8):1463–6 (30 ref.)

Novel intravenous immunoglobulins and their applications. Yap PL, et al. **Baillieres Clin Haematol** 1990 Apr; 3(2):423–49 (80 ref.)

Antenatal suppression of Rh alloimmunization. Bowman JM. **Clin Obstet Gynecol** 1991 Jun;34(2):296–303 (29 ref.)

Consensus conference. Conference on intravenous immunoglobulin. National Institutes of Health. **Conn Med** 1990 Dec;54(12):677–83 (0 ref.)

Intravenous immunoglobulin. **Consens Statement** 1990 May 21–23;8(5):1–23 (0 ref.)

NIH consensus conference. Intravenous immunoglobulin. Prevention and treatment of disease. **JAMA** 1990 Dec 26; 264(24):3189–93 (0 ref.)

The role of immunoglobulin in bone marrow transplantation. Saral R. **Transplant Proc** 1991 Aug;23(4):2128–32 (40 ref.)

[High-dose intravenous immunoglobulins in the treatment of immune blood cytopenia. Mechanisms of action, indications and results] Aymard JP, et al. **Ann Med Interne (Paris)** 1990;141(8):689–97 (123 ref.) **(Fre)**

[Use of intravenous immunoglobulins in pediatrics] Duse M, et al. **Pediatr Med Chir** 1991 Mar–Apr;13(2):117–25 (76 ref.) (Eng. Abstr.) **(Ita)**

ANALYSIS

Immunoglobulins in diagnosis and monitoring of neoplasia. Bergsagel DE, et al. **Immunol Ser** 1990;53:501–19 (80 ref.)

The effects of acute and chronic exercise of immunoglobulins. Nieman DC, et al. **Sports Med** 1991 Mar;11(3):183–201 (88 ref.)

[Antiphospholipid antibodies] Jansen J, et al. **Ugeskr Laeger** 1991 Jan 7;153(2):95–9 (30 ref.) (Eng. Abstr.) **(Dan)**

BIOSYNTHESIS

The measuring of "respiratory-membrane permeability" and local production of immunoglobulins and antibodies by means of an analysis of sputum. van de Graaf EA, et al. **Agents Actions Suppl** 1990;30:257–67 (27 ref.)

Factors controlling immunoglobulin production and B cell proliferation. Fridman WH. **Bull Cancer (Paris)** 1991; 78(2):195–201 (27 ref.)

CEREBROSPINAL FLUID

Organism-specific antibody indices, the cerebrospinal fluid-immunoglobulin index and other tools: a clinician's guide to the etiologic diagnosis of central nervous system infection. Andiman WA. **Pediatr Infect Dis J** 1991 Jul; 10(7):490–5 (29 ref.)

CHEMISTRY

Immunoglobulin structure. Virella G. **Immunol Ser** 1990; 50:77–92 (7 ref.)

GENETICS

Immunogenetic markers as probes for polymorphism, gene regulation and gene transfer in man—the Gm system in perspective. Grubb R. **APMIS** 1991 Mar;99(3):199–209 (83 ref.)

Molecular similarities and differences between immunoglobulin and T cell receptors. Mak TW. **Behring Inst Mitt** 1990 Dec;(87):1–9 (14 ref.)

Genetics of immunoglobulins. Pandey JP. **Immunol Ser** 1990; 50:107–21 (8 ref.)

Immunoglobulin superfamily molecules in the nervous system. Yoshihara Y, et al. **Neurosci Res** 1991 Mar; 10(2):83–105 (124 ref.)

[The immunoglobulin superfamily] Colombani J. **Rev Fr Transfus Hemobiol** 1991 Mar;34(2):151–65 (23 ref.) **(Fre)**

IMMUNOLOGY

Immunoglobulin and complement. Coles GA. **Contrib Nephrol** 1990;85:24–9 (27 ref.)

Insights into neutralization of animal viruses gained from study of influenza virus. Outlaw MC, et al. **Epidemiol Infect** 1991 Apr;106(2):205–20 (56 ref.)

Enzyme-inhibiting antibodies and immunoglobulin combining site functional perspectives. Petrella RU, et al. **Kurume Med J** 1990;37(4):209–28 (109 ref.)

Role of the immune system in interstitial cystitis. Stone AR, et al. **Semin Urol** 1991 May;9(2):108–14 (51 ref.)

[Morpho-functional interrelations in the development of immunologic memory] Liashchenko KP. **Fiziol Zh** 1990 Nov–Dec;36(6):107–15 (76 ref.) (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

[In vitro and in vivo efficacy of a toxin-neutralizing human staphylococcal immunoglobulin] Hungerer KD, et al. **Behring Inst Mitt** 1990 Oct;(86):170–84 (32 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Retrograde axonal transport and transcytosis of immunoglobulins: implications for the pathogenesis of autoimmune motor neuron disease. Fabian RH. **Adv Neurol** 1991;56:433–44 (60 ref.)

Metabolism of albumin and immunoglobulins in the nephrotic syndrome. Kaysen GA, et al. **Am J Nephrol** 1990;10 Suppl 1:36–42 (78 ref.)

Biosynthesis, metabolism, and biological properties of immunoglobulins. Virella G. **Immunol Ser** 1990;50:93–105 (4 ref.)

PHARMACOLOGY

Mechanisms of action of intravenous immunoglobulin therapy and potential use in autoimmune connective tissue diseases. Ballow M. **Cancer** 1991 Sep 15;68(6 Suppl):1430–6 (42 ref.)

IMMUNOGLOBULINS, FAB

THERAPEUTIC USE

Results of multicenter studies of digoxin-specific antibody fragments in managing digitalis intoxication in the pediatric population. Woolf AD, et al. **Am J Emerg Med** 1991 Mar; 9(2 Suppl 1):16–20; discussion 33–4 (22 ref.)

Treatment of digitalis intoxication with emphasis on the clinical use of digoxin immune Fab. Allen NM, et al. **DICP** 1990 Oct;24(10):991–8 (67 ref.)

IMMUNOGLOBULINS, HEAVY CHAIN

BIOSYNTHESIS

BiP—a heat shock protein involved in immunoglobulin chain assembly. Haas IG. **Curr Top Microbiol Immunol** 1991; 167:71–82 (81 ref.)

GENETICS

Human immunoglobulin heavy-chain variable region genes: organization, polymorphism, and expression. Pascual V, et al. **Adv Immunol** 1991;49:1–74 (180 ref.)

Gene deletions in the human immunoglobulin heavy chain constant region locus: molecular and immunological analysis. Lefranc MP, et al. **Immunodefic Rev** 1991; 2(4):265–81 (63 ref.)

[Structure and function of the immunoglobulin Vh gene in man] Lukowsky A, et al. **Allerg Immunol (Leipz)** 1990; 36(4):225–32 (43 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOGLOBULINS, KAPPA CHAIN

IgG-kappa type multiple myeloma in alcoholic cirrhosis—a case report. Matsumoto K, et al. **Fukuoka Igaku Zasshi** 1991 Jun;82(6):391–7 (19 ref.)

GENETICS

[The k-locus of human immunoglobulin and its significance for other programs studying the human genome] Zachau HG. **Mol Biol (Mosk)** 1990 Nov–Dec;24(6):1474–83 (21 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOGLOBULINS, LAMBDA CHAIN

ANALYSIS

Lambda light chain myeloma with pleural involvement. Abbate SL, et al. **Cleve Clin J Med** 1991 May–Jun; 58(3):235–9 (26 ref.)

IMMUNOLOGY

Microlamellar structures in lobular glomerulonephritis associated with monoclonal IgG lambda paraproteinemia. A case report and review of the literature. Joh K, et al. **Acta Pathol Jpn** 1990 Dec;40(12):913–21 (17 ref.)

METABOLISM

[The successful use of natural alpha-interferon single therapy in multiple myeloma of IgD (lambda)-type] Suzuki A, et al. **Rinsho Ketsueki** 1991 Jan;32(1):47–51 (15 ref.) (Eng. Abstr.) **(Jpn)**

IMMUNOGLOBULINS, LIGHT CHAIN

ADVERSE EFFECTS

Tubular toxicity of filtered proteins. Ledingham JG. **Am J Nephrol** 1990;10 Suppl 1:52–7 (57 ref.)

ANALYSIS

Rheumatoid factors and complex formation. The role of light-chain framework sequences and glycosylation. Hay FC, et al. **Clin Orthop** 1991 Apr;(265):54–62 (65 ref.)

METABOLISM

Light chain deposition disease of the liver associated with AL-type amyloidosis and severe cholestasis. Faa G, et al. **J Hepatol** 1991 Jan;12(1):75–82 (47 ref.)

IMMUNOGLOBULINS, SURFACE

PHYSIOLOGY

Cross-talk between surface immunoglobulin and interleukin-4 receptors on murine B-lymphocytes. Klaus GG, et al. **Biochem Soc Trans** 1991 Apr;19(2):272–5 (12 ref.)

IMMUNOGOLD-SILVER TECHNIQUES see **IMMUNOHISTOCHEMISTRY**

IMMUNOGOLD TECHNIQUES see **IMMUNOHISTOCHEMISTRY**

IMMUNOHISTOCHEMISTRY

Special report. Immunocytochemistry in diagnostic cytology: a 12-year perspective. Nadji M, et al. **Am J Clin Pathol** 1990 Oct;94(4):470–5 (34 ref.)

Functional immunocytopathology and the diagnosis of bone marrow micrometastases. Neville AM. **Cytopathology** 1990; 1(4):223–31 (35 ref.)

Molecular anatomy of the blood-brain barrier as defined by immunocytochemistry. Dermietzel R, et al. **Int Rev Cytol** 1991;127:57–109 (245 ref.)

Immunogold labelling in combination with cryoultramicrotomy, freeze-etching, and label-fracture. Boonstra J, et al. **J Microsc** 1991 Jan;161 (Pt 1):135–47 (44 ref.)

Contribution of immunogold labelling to study of the outer membrane of gram-negative bacteria. Ryter A. **Microbiol Sci** 1987 Sep;4(9):270–3 (24 ref.)

[Immunohistochemistry in the diagnosis of gynecologic neoplasms] Lampe B, et al. **Geburtshilfe Frauenheilkd** 1990 Aug;50(8):585–92 (80 ref.) (Eng. Abstr.) **(Ger)**

[New developments from the laboratory: progress in histologic and histochemical diagnosis in the gynecologic laboratory] Müller-Holzner E, et al. **Gynakol Rundsch** 1990;30 Suppl 1:124–30 (3 ref.) **(Ger)**

[Immunohistochemical markers in lung tumors—a status evaluation] Müller KM, et al. **Pneumologie** 1991 Apr; 45(4):140–6 (51 ref.) (Eng. Abstr.) **(Ger)**

[Validity of immunohistologic study techniques in lung cancers] Dämmrich J. **Verh Dtsch Ges Inn Med** 1990; 96:208–20 (68 ref.) **(Ger)**

METHODS

Immunolabelling and electron microscopy in cytochemistry. Beesley JE. **Curr Opin Immunol** 1989–90;2(6):927–31 (29 ref.)

Applications of immunohistochemistry in rodent tumor pathology. Ward JM, et al. **Exp Pathol** 1990;40(4):301–12 (84 ref.)

Anti-idiotypes used in immunohistochemistry. Wang MW. **Histochem J** 1990 Oct;22(10):519–25 (48 ref.)

Technical considerations for developing enzyme immunohistochemical staining procedures on formalin-fixed paraffin-embedded tissues for diagnostic pathology. Haines DM, et al. **J Vet Diagn Invest** 1991 Jan; 3(1):101–12 (38 ref.)

IMMUNOHISTOCYTOCHEMISTRY see **IMMUNOHISTOCHEMISTRY**

IMMUNOLABELING TECHNIQUES see **IMMUNOHISTOCHEMISTRY**

IMMUNOLOGIC ACCESSORY CELLS see **ANTIGEN-PRESENTING CELLS**

IMMUNOLOGIC CAPPING

see related **IMMUNOGLOBULINS, SURFACE**

IMMUNOLOGIC COMPETENCE see **IMMUNOCOMPETENCE**

IMMUNOLOGIC DEFICIENCY SYNDROME, ACQUIRED see **ACQUIRED IMMUNODEFICIENCY SYNDROME**

IMMUNOLOGIC DEFICIENCY SYNDROMES

Adenosine deaminase deficiency. Hirschhorn R. **Immunodefic Rev** 1990;2(3):175–98 (189 ref.)

Immunodeficiency diseases. Virella G, et al. **Immunol Ser** 1990;50:565–92 (13 ref.)

Periodontal disease mechanisms in immunocompromised patients. Tolo K. **J Clin Periodontol** 1991 Jul;18(6):431–5 (48 ref.)

Primary antibody deficiency in adults. Spickett GP, et al. **Lancet** 1991 Feb 2;337(8736):281–4 (29 ref.)

Common variable immunodeficiency: the disorder and treatment. Yocum MW, et al. **Mayo Clin Proc** 1991 Jan; 66(1):83–96 (64 ref.)

BLOOD

Impaired polysaccharide responses in immunodeficient patients: relevance to bone marrow transplant patients. Ambrosino DM. **Bone Marrow Transplant** 1991;7 Suppl 3:48–51 (35 ref.)

CHEMICALLY INDUCED

[Effect of atmospheric pollution on health of the population and immunologic reactivity (review of the literature)] Ustinenko AN, et al. **Gig Sanit** 1990 Aug;(8):11–5 (70 ref.) **(Rus)**

COMPLICATIONS

Lymphoproliferative diseases in disorders of the immune system. Penn I. **Cancer Detect Prev** 1990;14(4):415–22 (68 ref.)

Molecular epidemiology of cancer in immune deficiency. Strigini P, et al. **Cancer Detect Prev** 1991;15(2):115–26 (82 ref.)

Immune deficiency as a risk factor in Epstein–Barr virus–induced malignant diseases. Purtilo DT, et al. **Environ Health Perspect** 1990 Aug;88:225–30 (46 ref.)

Use of quinolones in the immunocompromised host. Maiche AG. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):361–7 (28 ref.)

Natural history and treatment of varicella–zoster in high–risk populations. Gnann JW, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:317–29 (100 ref.)

Urinary tract infection in the impaired host. Korzeniowski OM. **Med Clin North Am** 1991 Mar;75(2):391–404 (74 ref.)

Use of amphotericin B in immunosuppressed patients with cancer. Part Two: Pharmacodynamics and nursing implications. Holtzclaw BJ, et al. **Oncol Nurs Forum** 1990 Sep–Oct;17(5):737–42 (25 ref.)

Use of amphotericin B in immunosuppressed patients with cancer. Part One: Pharmacology and toxicities. Rutledge DN, et al. **Oncol Nurs Forum** 1990 Sep–Oct;17(5):731–6 (48 ref.)

Herpes simplex virus in immunocompromised patients: growing evidence of drug resistance. Epstein JB, et al. **Oral Surg Oral Med Oral Pathol** 1991 Jul;72(1):47–50 (71 ref.)

Musculoskeletal infections in immunocompromised hosts. Brennan PJ, et al. **Orthop Clin North Am** 1991 Jul; 22(3):389–99 (70 ref.)

Otolaryngology problems in the immune compromised patient—an evolving natural history. Corey JP, et al. **Otolaryngol Head Neck Surg** 1991 Feb;104(2):196–203 (31 ref.)

[Oral leukoplakia and immunosuppression] Marcoux C, et al. **Ann Dermatol Venereol** 1991;118(6–7):457–60 (20 ref.) **(Fre)**

[Systemic lupus erythematosus associated with homozygous C2 deficiency. Apropos of a case report and literature review] Borradori L, et al. **Schweiz Med Wochenschr** 1991 Mar 23;121(12):418–23 (38 ref.) (Eng. Abstr.) **(Fre)**

[The role of neutrophils in nonspecific immunity in patients with rheumatoid arthritis] Bernacka K, et al. **Postepy Hig Med Dosw** 1989;43(5–6):411–22 (69 ref.) (Eng. Abstr.) **(Pol)**

[Therapy of infections caused by opportunistic pathogens: viruses and parasites] Aznar J. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:56–61 (65 ref.) **(Spa)**

[Therapy of infections caused by opportunistic agents: fungi] Martin E, et al. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:62–6 (66 ref.) **(Spa)**

[Pulmonary infections in immunocompromised patients] Pachón J, et al. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:23–33 (137 ref.) **(Spa)**

CONGENITAL

[Congenital immunodeficiency syndromes] Ivanovskaia TE. **Arkh Patol** 1990;52(6):29–33 (33 ref.) (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Diagnostic evaluation of cell–mediated immunity. Virella G, et al. **Immunol Ser** 1990;50:303–21 (5 ref.)

DRUG THERAPY

[The correction of secondary radiation–induced immunodeficiencies] Iakovlev GM, et al. **Voen Med Zh** 1991 Jan;(1):44–6 (17 ref.) (Eng. Abstr.) **(Rus)**

[The use of intravenous gamma globulin in malignant hematologic diseases] Garay GE. **Medicina (B Aires)** 1989; 49(6):621–7 (55 ref.) **(Spa)**

ETIOLOGY

Immunodeficiencies in chronic renal failure. Moran J, et al. **Contrib Nephrol** 1990;86:91–106; discussion 107–10 (64 ref.)

[Effect of alcohol on the functional state of the immune system] Aliev NA. **Sov Med** 1991;(2):41–4 (52 ref.) **(Rus)**

[Stressor immunodeficiencies in man] Levando VA, et al. **Usp Fiziol Nauk** 1990 Jul–Sep;21(3):79–97 (104 ref.) **(Rus)**

[Vitamins and immunity. Biotin, pantothenic acid and riboflavin] Pletsityĭ KD. **Vopr Pitan** 1990 Jul–Aug; (4):18–22 (55 ref.) **(Rus)**

GENETICS

A new familial immunodeficiency disorder characterized by severe neutropenia, a defective marrow release mechanism, and hypogammaglobulinemia. Wetzler M, et al. **Am J Med** 1990 Nov;89(5):663–72 (38 ref.)

Recurrent meningitis in a patient with congenital deficiency of the C9 component of complement. First case of C9 deficiency in Europe. Zoppi M, et al. **Arch Intern Med** 1990 Nov;150(11):2395–9 (43 ref.)

Genetics of human X–linked immunodeficiency diseases. Hendriks RW, et al. **Clin Exp Immunol** 1991 Aug; 85(2):182–92 (102 ref.)

The Xlr (X–linked lymphocyte regulated) gene family (a candidate locus for an X–linked primary immune deficiency). Garchon HJ. **Immunodefic Rev** 1991; 2(4):283–302 (53 ref.)

X chromosome linked immunodeficiency. Schwaber J, et al. **Immunodefic Rev** 1990;2(3):233–51 (99 ref.)

Immunodeficiency diseases. Hong R. **Immunol Ser** 1989; 43:257–82 (104 ref.)

Short stature/short limb skeletal dysplasia with severe combined immunodeficiency and bowing of the femora: report of two patients and review. MacDermot KD, et al. **J Med Genet** 1991 Jan;28(1):10–7 (20 ref.)

Genetic deficiencies in specific immune responses. Rosen FS. **Semin Hematol** 1990 Oct;27(4):333–41 (68 ref.)

[Correction of fatal genetic diseases using bone marrow transplantation. 1] Zintl F, et al. **Kinderarztl Prax** 1991 Jan–Feb;59(1–2):6–9 (30 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Evaluation and management of B and T cell abnormalities. Harrison LF, et al. **Allergy Proc** 1991 Jan–Feb;12(1):25–30 (17 ref.)

The athymic nude rat. Immunobiological characteristics with special reference to establishment of non–antigen–specific T–cell reactivity and induction of antigen–specific immunity. Hougen HP. **APMIS Suppl** 1991;21:1–39 (104 ref.)

External ocular herpesvirus infections in immunodeficiency. Pepose JS. **Curr Eye Res** 1991;10 Suppl:87–95 (92 ref.)

IgG subclass deficiency. Preud'homme JL, et al. **Immunodefic Rev** 1990;2(2):129–49 (106 ref.)

Presence of host–reactive and MHC–restricted T cells in a transplanted severe combined immunodeficient (SCID) patient suggest positive selection and absence of clonal deletion. Spits H, et al. **Immunol Rev** 1990 Aug;116:101–16 (67 ref.)

New concepts in immunodeficiency diseases [news] Gupta S. **Immunol Today** 1990 Oct;11(10):344–6 (0 ref.)

Transient immunodepression. Verhoef J. **J Antimicrob Chemother** 1990 Nov;26 Suppl C:23–9 (37 ref.)

Immunodeficient mice xenografted with human lymphoid cells: new models for in vivo studies of human immunobiology and infectious diseases. Mosier DE. **J Clin Immunol** 1990 Jul;10(4):185–91 (18 ref.)

IgG subclasses in acquired immunodeficiency. French MA. **Pediatr Infect Dis J** 1990 Aug;9(8 Suppl):S46–9 (32 ref.)

Immunodeficiency in the 1990s. Shyur SD, et al. **Pediatr Infect Dis J** 1991 Aug;10(8):595–611 (149 ref.)

[Antiviral immunity. Its deficiencies in young children] Sterkers G, et al. **Arch Fr Pediatr** 1991 Mar;48(3):167–70 (12 ref.) **(Fre)**

[Molecular biology and pathophysiologic research] Meuer SC. **Verh Dtsch Ges Inn Med** 1990;96:438–41 (8 ref.) **(Ger)**

[Functional disorders of the immune system] Schmolke B. **Z Lymphol** 1990 Aug;14(1):1–16 (7 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Primary immunodeficiency syndromes and their manifestations in lymph nodes. Cottier H, et al. **Curr Top Pathol** 1991;84 (Pt 2):81–155 (460 ref.)

Current concepts of immunodeficiency disorders. Linder J, et al. **Mod Pathol** 1990 Jul;3(4):524–44 (64 ref.)

[The pathological anatomy of secondary immunodeficiency] Khmel'nitskiĭ OK. **Arkh Patol** 1990;52(6):20–5 (33 ref.) (Eng. Abstr.) **(Rus)**

[Morphological manifestations of secondary immunodeficiency] Erokhin VV, et al. **Probl Tuberk** 1990; (6):65–70 (63 ref.) **(Rus)**

PREVENTION & CONTROL

[Parenteral feeding and immunity] Lukashchuk VD, et al. **Klin Khir** 1991;(2):41–4 (36 ref.) **(Rus)**

SURGERY

The biology of bone marrow transplantation for severe combined immune deficiency. Parkman R. **Adv Immunol** 1991;49:381–410 (138 ref.)

Bone marrow transplantation for the treatment of immune deficiency states. Lenarsky C, et al. **Bone Marrow Transplant** 1990 Dec;6(6):361–9 (60 ref.)

Bone marrow transplantation for immunodeficiency and genetic diseases. Lenarsky C, et al. **Cancer Treat Res** 1990; 50:167–84 (82 ref.)

THERAPY

Biologic response modifiers in primary immunodeficiency disorders. Hassner A, et al. **Ann Intern Med** 1991 Aug 15; 115(4):294–307 (189 ref.)

Immunoglobulin deficiency syndromes and therapy. Huston DP, et al. **J Allergy Clin Immunol** 1991 Jan;87(1 Pt 1):1–17 (93 ref.)

The use of intravenous immune globulin in immunodeficiency diseases. Buckley RH, et al. **N Engl J Med** 1991 Jul 11; 325(2):110–7 (100 ref.)

[The therapeutic use of monoclonal antibodies] Verhoef J. **Ned Tijdschr Geneeskd** 1991 Apr 20;135(16):694–5 (18 ref.) **(Dut)**

[Therapy with immunoglobulins] Müller E, et al. **Immun Infekt** 1990 Oct;18(5):162–3 (12 ref.) (Eng. Abstr.) **(Ger)**

[Primary immunodeficiency 1991: new uses and prospects of genetic counseling] Notarangelo LD, et al. **Pediatr Med Chir** 1991 Mar–Apr;13(2):129–33 (20 ref.) (Eng. Abstr.) **(Ita)**

[The control of GVHD and immunodeficiency] Imamura M, et al. **Rinsho Ketsueki** 1991 Apr;32(4):372–5 (15 ref.) (Eng. Abstr.) **(Jpn)**

IMMUNOLOGIC DISEASES

see related

BLOOD PROTEIN DISORDERS

Role of immune factors in the pathogenesis of primary sclerosing cholangitis. Chapman RW. **Semin Liver Dis** 1991 Feb;11(1):1–4 (39 ref.)

Neonatal alloimmune thrombocytopenia. Levine AB, et al. **Semin Perinatol** 1991 Jun;15(3 Suppl 2):35–40 (32 ref.)

[Immunological aspects of Behçet's disease] Ayed K. **Rev Rhum Mal Osteoartic** 1991 Jan;58(1):53–8 (50 ref.) **(Fre)**

CLASSIFICATION

The major histocompatibility complex: the value of extended haplotypes in the analysis of associated immune diseases and disorders. Kruskall MS. **Yale J Biol Med** 1990 Sep–Oct; 63(5):477–86 (39 ref.)

COMPLICATIONS

Cutaneous manifestations of immunological disorders in children. Paller AS. **Adv Dermatol** 1991;6:199–216; discussion 217 (60 ref.)

[Is fibrositis an immuno–rheumatologic disease?] Leroux JL, et al. **Rev Rhum Mal Osteoartic** 1990 Jul–Sep;57(7–8):513–6 (12 ref.) (Eng. Abstr.) **(Fre)**

DIET THERAPY

Potential of parenteral and enteral nutrition in inflammation and immune dysfunction: a new challenge for dietitians [published erratum appears in J Am Diet Assoc 1991 Aug;91(8):913] Haw MP, et al. **J Am Diet Assoc** 1991 Jun; 91(6):701–6, 709 (78 ref.)

ETIOLOGY

Clinical and immunologic approach to patients with alleged environmental injury. Salvaggio JE. **Ann Allergy** 1991 Jun; 66(6):493–503 (83 ref.)

IMMUNOLOGY

Dietary antigens and immunologic disease in humans. Cunningham–Rundles C. **Rheum Dis Clin North Am** 1991 May;17(2):287–307 (86 ref.)

PHYSIOPATHOLOGY

Phosphodiesterase and immune dysfunction in atopic dermatitis. Hanifin JM. **J Dermatol Sci** 1990 Jan;1(1):1–6 (24 ref.)

THERAPY

Advances in diagnosis and treatment in clinical immunology. Hobbs JR, et al. **Wien Med Wochenschr Suppl** 1990;107:3–5 (0 ref.)

[High–dose intravenous immunoglobulins in the treatment of immune blood cytopenia. Mechanisms of action, indications and results] Aymard JP, et al. **Ann Med Interne (Paris)** 1990;141(8):689–97 (123 ref.) **(Fre)**

[Granulocytopoiesis growth factors. II. Clinical applications] Skotnicki AB, et al. **Przegl Lek** 1990;47(9):651–8 (28 ref.) **(Pol)**

IMMUNOLOGIC ENHANCEMENT OF GRAFTS see **GRAFT ENHANCEMENT, IMMUNOLOGIC**

IMMUNOLOGIC MEMORY

Accumulation of hyporesponsive, calcium extruding memory T cells as a key feature of age–dependent immune dysfunction. Miller RA. **Clin Immunol Immunopathol** 1991 Mar;58(3):305–17 (46 ref.)

Immunological memory. Colle J, et al. **Crit Rev Immunol** 1990;10(3):259–88 (212 ref.)

The synergy between naive and memory T cells during activation. Akbar AN, et al. **Immunol Today** 1991 Jun; 12(6):184–8 (46 ref.)

T–cell memory: the connection between function, phenotype and migration pathways. Mackay CR. **Immunol Today** 1991 Jun;12(6):189–92 (49 ref.)

Focusing: the dilemma of interpreting sharp images on a blurred background. Thorbecke GJ. **J Immunol** 1990 Nov 1;145(9):2779–90 (76 ref.)

Memory B cells and germinal centres. Tsiagbe VK, et al. **Res Immunol** 1991 Mar–Apr;142(3):268–72 (59 ref.)

IMMUNOLOGY

Functional dichotomy between Langerhans cells that present antigen to naive and to memory/effector T lymphocytes. Streilein JW, et al. **Immunol Rev** 1990 Oct;117:159–83 (56 ref.)

IMMUNOLOGIC MEMORY

PHYSIOLOGY

[Morpho-functional interrelations in the development of immunologic memory] Liashchenko KP. **Fiziol Zh** 1990 Nov-Dec;36(6):107-15 (76 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGIC MONITORING see **MONITORING, IMMUNOLOGIC**

IMMUNOLOGIC RECEPTORS see **RECEPTORS, IMMUNOLOGIC**

IMMUNOLOGIC STIMULATION see **IMMUNIZATION**

IMMUNOLOGIC SURVEILLANCE

Cellular mechanisms of lymphocyte-mediated lysis of tumor cells. Arancia G, et al. **Ann Ist Super Sanita** 1990; 26(3-4):369-84 (178 ref.)

Immune surveillance against cutaneous malignancies in experimental animals. Romerdahl CA, et al. **Immunol Ser** 1989;46:749-67 (72 ref.)

IMMUNOLOGIC TECHNIQUES

see related
BLOOD GROUPING AND CROSSMATCHING
IMMUNOLOGIC TESTS
IMMUNOTHERAPY
SERODIAGNOSIS

Immunological methods of diagnosis in giardiasis: an overview. Isaac-Renton JL. **Ann Clin Lab Sci** 1991 Mar-Apr;21(2):116-22 (53 ref.)

Use of immunologic technology in the diagnosis of environmental and occupational immunologic lung disease. Patterson R, et al. **Chest** 1990 Nov;98(5 Suppl):206S-208S (32 ref.)

Limiting dilution analysis of human T cells: a useful clinical tool [see comments] Sharrock CE, et al. **Immunol Today** 1990 Aug;11(8):281-6 (40 ref.) Comment in: Immunol Today 1990 Dec;11(12):432.

Advances in diagnosis and treatment in clinical immunology. Hobbs JR, et al. **Wien Med Wochenschr Suppl** 1990;107:3-5 (0 ref.)

IMMUNOLOGIC TESTS

Radioantibodies for the diagnosis and treatment of cancer; radioimmunoimaging (RAI) and radioimmunotherapy (RAT). Sfakianakis GN, et al. **Cancer Invest** 1990; 8(3-4):381-405 (127 ref.)

Pathobiology of papillomavirus-related cervical diseases: prospects for immunodiagnosis. Crum CP, et al. **Clin Microbiol Rev** 1991 Jul;4(3):270-85 (129 ref.)

Immunologic tests in the diagnosis of pulmonary infection. Goldstein E, et al. **Clin Rev Allergy** 1990 Summer-Fall; 8(2-3):229-52 (109 ref.)

Prostate cancer-associated markers. Chu TM. **Immunol Ser** 1990;53:339-56 (71 ref.)

Immunodiagnosis of renal cell carcinoma. Ebert T, et al. **Immunol Ser** 1990;53:469-83 (97 ref.)

Some statistical methods for immunodiagnostic cancer tests. Gail MH. **Immunol Ser** 1990;53:13-25 (26 ref.)

Predictive value of immunodiagnostic cancer tests. Galen RS. **Immunol Ser** 1990;53:3-11 (14 ref.)

Immunodiagnosis of acute nonlymphocytic leukemia. Hurwitz CA, et al. **Immunol Ser** 1990;53:265-87 (126 ref.)

Immunodiagnosis of ovarian tumors. Jacobs I, et al. **Immunol Ser** 1990;53:323-38 (111 ref.)

Diagnostic evaluation of cell-mediated immunity. Virella G, et al. **Immunol Ser** 1990;50:303-21 (5 ref.)

Diagnostic evaluation of humoral immunity. Virella G. **Immunol Ser** 1990;50:285-302 (5 ref.)

Diagnostic evaluation of phagocytic function. Virella G. **Immunol Ser** 1990;50:323-40 (6 ref.)

Immunoserology and diagnostic immunochemistry. Virella G. **Immunol Ser** 1990;50:259-84 (8 ref.)

[Methods of testing the complement (review of the literature)] Vavilova LM, et al. **Lab Delo** 1991;(4):6-13 (57 ref.) **(Rus)**

METHODS

Tests for immune reactivity in allergy. Kemeny DM. **Curr Opin Immunol** 1989-90;2(6):910-6 (24 ref.)

Advances in diagnosis and treatment in clinical immunology. Hobbs JR, et al. **Wien Med Wochenschr Suppl** 1990;107:3-5 (0 ref.)

[Current methods of the immunodiagnosis of HIV infection (review of the literature)] Bel'gesov NV, et al. **Lab Delo** 1990;(9):39-43 (25 ref.) **(Rus)**

TRENDS

[The outlook for the development of the immunodiagnostic and immunoprophylactic trends in parasitology] Podoprigora GI, et al. **Med Parazitol (Mosk)** 1990 Sep-Oct; (5):26-30 (49 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY see **ALLERGY AND IMMUNOLOGY**

IMMUNOLOGY, TRANSPLANTATION see **TRANSPLANTATION IMMUNOLOGY**

IMMUNOMODULATORS see **ADJUVANTS, IMMUNOLOGIC**

IMMUNOPEROXIDASE TECHNIQUES see **IMMUNOENZYME TECHNIQUES**

IMMUNOPHENOTYPING

Eosinophil phenotypes and LTC4 generation in vitro and in hypereosinophilic states. Sheff DM, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:481-8 (77 ref.)

Immunophenotyping in haematological diagnosis. Campana D, et al. **Baillieres Clin Haematol** 1990 Oct;3(4):889-919 (118 ref.)

Immunophenotyping of acute myeloid leukemia cells. Ball ED. **Clin Lab Med** 1990 Dec;10(4):721-36 (98 ref.)

Prognostic factors in lymphomas: the contribution of immunophenotyping and molecular studies. Berger MS. **Curr Opin Immunol** 1989-90;2(5):719-22 (20 ref.)

Lymphocytic leukemia and lymphomas. Drexler HG, et al. **Immunol Ser** 1990;53:243-64 (61 ref.)

Immunophenotypic analysis of non-Hodgkin's lymphomas. La Via MF, et al. **Recenti Prog Med** 1990 Oct;81(10):629-34 (16 ref.)

IMMUNOPOTENTIATORS see **ADJUVANTS, IMMUNOLOGIC**

IMMUNOPROLIFERATIVE SMALL INTESTINAL DISEASE

Immunoproliferative small intestinal disease: portrait of a potentially preventable cancer from the Third World. Khojasteh A. **Am J Med** 1990 Oct;89(4):483-90 (56 ref.)

Gastrointestinal lymphoma. Thomas CR Jr, et al. **Med Pediatr Oncol** 1991;19(1):48-60 (141 ref.)

IMMUNOSORBENT TECHNIQUES

Immunomagnetic purging of bone marrow: a model for negative cell selection. Pole JG, et al. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):257-61 (15 ref.)

Therapeutic plasmapheresis and protein A immunoadsorption in malignancy: a brief review. Nand S, et al. **J Clin Apheresis** 1990;5(4):206-12 (77 ref.)

IMMUNOSTIMULANTS see **ADJUVANTS, IMMUNOLOGIC**

IMMUNOSTIMULATION see **IMMUNIZATION**

IMMUNOSUPPRESSION

see related
ANTILYMPHOCYTE SERUM
IMMUNE TOLERANCE

The spectrum of ciclosporin nephrotoxicity [clinical conference] Puschett JB, et al. **Am J Nephrol** 1990; 10(4):296-309 (128 ref.)

Angiofollicular lymph node hyperplasia and peripheral neuropathy. Case report and literature review. Scherokman B, et al. **Arch Intern Med** 1991 Apr;151(4):789-90 (18 ref.)

New approach of treatment of severe aplastic anemia. Cooperative Group on the Treatment of Aplastic Anemia. Gluckman E, et al. **Bone Marrow Transplant** 1991;7 Suppl 2:106-7 (14 ref.)

Principles of immunosuppression. Chan GL, et al. **Crit Care Clin** 1990 Oct;6(4):841-92 (356 ref.)

Immunosuppression with monoclonal antibodies. Friend PJ. **Curr Opin Immunol** 1989-90;2(6):859-63 (18 ref.)

Aseptic meningitis and muromonab-CD3 therapy. Drees C, et al. **DICP** 1991 Feb;25(2):138-9 (19 ref.)

Acute renal allograft rejection: the role of monoclonal antibodies in treatment: experience with orthoclonal anti-T3 cell antibody. McLigeyo SO, et al. **East Afr Med J** 1990 Sep;67(9):667-73 (43 ref.)

Epidemiology of digestive tract mycoses in immunocompromised patients--a review. Farina C, et al. **Eur J Epidemiol** 1990 Dec;6(4):363-70 (74 ref.)

Long-lasting kidney graft survival after immunization with antibody-coated blood cells: mediation by immunosuppressive autoantibodies. Terness P, et al. **Immunol Lett** 1990 Nov;26(2):139-44 (20 ref.)

Immunosuppression and immunomodulation. Goust JM, et al. **Immunol Ser** 1990;50:481-98 (7 ref.)

Mechanisms of herpesvirus immuno-evasion. Fitzpatrick DR, et al. **Microb Pathog** 1991 Apr;10(4):253-9 (42 ref.)

Neural control of immune function: opioids, opioid receptors and immunosuppression. Weber RJ, et al. **NIDA Res Monogr** 1991;105:96-102 (0 ref.)

Early postoperative care of the cardiac transplantation patient: routine considerations and immunosuppressive therapy. Bolman R 3d, et al. **Prog Cardiovasc Dis** 1990 Nov-Dec;33(3):137-48 (24 ref.)

Monoclonal antibodies to CD3 as immunosuppressants. Chatenoud L, et al. **Semin Immunol** 1990 Nov;2(6):437-47 (83 ref.)

The importance of non-human primates for preclinical testing of immunosuppressive monoclonal antibodies. Jonker M. **Semin Immunol** 1990 Nov;2(6):427-36 (67 ref.)

The discovery and development of cyclosporine (Sandimmune). Borel JF, et al. **Transplant Proc** 1991 Apr; 23(2):1867-74 (35 ref.)

Immunosuppression for organ grafting. Calne RY. **Transplant Proc** 1991 Aug;23(4):2175-7 (26 ref.)

Tolerogenic and immunosuppressive properties of liver grafts in animals and man. Davies HF, et al. **Transplant Proc** 1991 Aug;23(4):2248-9 (8 ref.)

Critical evaluation of agents used in the treatment and prevention of cytomegalovirus infection in immunocompromised patients. Meyers JD. **Transplant Proc** 1991 Jun;23(3 Suppl 3):139-42, discussion 142-3 (14 ref.)

Studies in rodents on the use of polyclonal antilymphocyte serum and donor-specific bone marrow to induce specific unresponsiveness to skin allografts. Monaco AP. **Transplant Proc** 1991 Aug;23(4):2061-7 (38 ref.)

Notes on FK 506. Starzl TE, et al. **Transplant Proc** 1991 Aug;23(4):2178-9 (10 ref.)

[Modulation of immune function by neurotransmitters and neuropeptides] Qiu YH, et al. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):21-4 (35 ref.) **(Chi)**

[Visceral leishmaniasis and immunosuppression] Lortholary O, et al. **Ann Med Interne (Paris)** 1991;142(3):215-7 (45 ref.) **(Fre)**

ADVERSE EFFECTS

Pathology of transplant rejection and immunosuppressive therapy: Part II--Pathologic effects of immunosuppressive therapy. Gilbert-Barness EF, et al. **Adv Pediatr** 1990; 37:329-56 (118 ref.)

Problems related to immunosuppression. Infection and malignancy occurring after solid organ transplantation. Dunn DL. **Crit Care Clin** 1990 Oct;6(4):955-77 (77 ref.)

Why do immunosuppressed patients develop cancer? Penn I. **Crit Rev Oncog** 1989;1(1):27-52 (271 ref.)

Thumb replantation after cardiac transplantation. Borah GL, et al. **Plast Reconstr Surg** 1991 Sep;88(3):499-502 (41 ref.)

Aspergillus infection of the L3-L4 disc space in an immunosuppressed heart transplant patient. Castelli C, et al. **Spine** 1990 Dec;15(12):1369-73 (22 ref.)

Anemia associated with pregnancy in a cyclosporine-treated renal allograft recipient. Zeidan BS, et al. **Transplant Proc** 1991 Aug;23(4):2301-3 (20 ref.)

[Treatment of legionellosis with ofloxacin in kidney transplanted patients. Lack of interaction with cyclosporin A] Wynckel A, et al. **Presse Med** 1991 Feb 23;20(7):291-3 (11 ref.) (Eng. Abstr.) **(Fre)**

[Gastroenterological complications after bone marrow transplantation] Ratajczak MZ, et al. **Pol Tyg Lek** 1990 Aug 20-27;45(34-35):716-20 (33 ref.) **(Pol)**

[Pathogenesis and morphogenesis of candidiasis in immunosuppression] Bykov VL. **Arkh Patol** 1990; 52(11):67-70 (67 ref.) (Eng. Abstr.) **(Rus)**

ECONOMICS

Bone marrow transplantation for severe aplastic anaemia: cost/benefit of increased immunosuppression. Gordon-Smith EC. **Bone Marrow Transplant** 1991;7 Suppl 2:103-5 (17 ref.)

METHODS

Improvement of cadaver renal transplantation outcomes with verapamil: a review. Dawidson I, et al. **Am J Med** 1991 May 17;90(5A):37S-41S (8 ref.)

Therapeutic benefits of calcium channel blockers in cyclosporine-treated organ transplant recipients: blood pressure control and immunosuppression. Weir MR. **Am J Med** 1991 May 17;90(5A):32S-36S (27 ref.)

Perspectives in the prevention and treatment of acute graft versus host disease. Herve P. **Bone Marrow Transplant** 1991;7 Suppl 2:117-9 (12 ref.)

Graft versus host disease prophylaxis today. Martelli MF, et al. **Bone Marrow Transplant** 1991;7 Suppl 2:112-6 (22 ref.)

Can persistent IgE responses be suppressed? Kemeny DM, et al. **Clin Exp Immunol** 1990 Dec;82(3):423-6 (69 ref.)

Anti-Thy-1 in bone marrow transplantation. Thierfelder S, et al. **Immunol Ser** 1989;45:531-72 (106 ref.)

Strategies of immunosuppression in cardiac transplantation. Renlund DG, et al. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):181-8 (39 ref.)

Avenues for acquired immune tolerance. Wood KJ, et al. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):189-97 (56 ref.)

New horizons in immunosuppression. Simmons RL, et al. **Transplant Proc** 1991 Aug;23(4):2152-6 (70 ref.)

Selected topics on FK 506, with special references to rescue of extrahepatic whole organ grafts, transplantation of "forbidden organs," side effects, mechanisms, and practical pharmacokinetics. Starzl TE, et al. **Transplant Proc** 1991 Feb;23(1 Pt 2):914-9 (24 ref.)

NURSING

Nursing implications of immunosuppression in transplantation. Shaefer M, et al. **Nurs Clin North Am** 1991 Jun;26(2):291-314 (105 ref.)

IMMUNOSUPPRESSION (PHYSIOLOGY) see **IMMUNE**

TOLERANCE

IMMUNOSUPPRESSIVE AGENTS

see related

ANTILYMPHOCYTE SERUM

The pharmacology of immunosuppression. Lim SM, et al. **Ann Acad Med Singapore** 1991 Jan;20(1):144–9 (30 ref.)

Organ transplantation and immunosuppressive drugs in pregnancy. Sims CJ. **Clin Obstet Gynecol** 1991 Mar; 34(1):100–11 (22 ref.)

Immunosuppressive drugs. Collier SJ. **Curr Opin Immunol** 1989–90;2(6):854–8 (24 ref.)

Immunosuppression by marihuana and its cannabinoid constituents. Levy JA, et al. **J Immunopharmacol** 1980; 2(2):159–77 (55 ref.)

Selected topics on FK 506, with special references to rescue of extrahepatic whole organ grafts, transplantation of "forbidden organs," side effects, mechanisms, and practical pharmacokinetics. Starzl TE, et al. **Transplant Proc** 1991 Feb;23(1 Pt 2):914–9 (24 ref.)

FK506 and rapamycin: novel pharmacological probes of the immune response. Chang JY, et al. **Trends Pharmacol Sci** 1991 Jun;12(6):218–23 (36 ref.)

Immunomodulatory activity of small peptides. St Georgiev V. **Trends Pharmacol Sci** 1990 Sep;11(9):373–8 (38 ref.)

[Current therapy of multiple sclerosis: value of cyclosporin A and FK 506] Hohlfeld R. **Nervenarzt** 1991 Feb; 62(2):136–8 (10 ref.) **(Ger)**

[FK 506, a new immunosuppressant produced by a Streptomyces] Aoki H. **Nippon Rinsho** 1991 May; 49(5):1163–71 (19 ref.) **(Jpn)**

[Selective immunosuppressive agents: cyclosporine] Olivares JL, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 39:130–2 (12 ref.) **(Spa)**

ADVERSE EFFECTS

Cytomegalovirus infection and indirect sequelae in the immunocompromised transplant patient. Ho M. **Transplant Proc** 1991 Apr;23(2 Suppl 1):2–7 (77 ref.)

[Drug-induced lung changes in rheumatology] Costabel U. **Z Rheumatol** 1990 Sep–Oct;49(5):284–90 (48 ref.) (Eng. Abstr.) **(Ger)**

[Adverse reactions of immunomodulatory agents] Yamanaka H, et al. **Ryumachi** 1990 Apr;30(2):143–51 (61 ref.) **(Jpn)**

CHEMISTRY

Rapamycin: FK506's fraternal twin or distant cousin? Morris RE. **Immunol Today** 1991 May;12(5):137–40 (27 ref.)

PHARMACOLOGY

The complications of newer transplant antirejection drugs: treatment with cyclosporin A, OKT3, and FK506. Li PK, et al. **Adverse Drug React Acute Poisoning Rev** 1990 Autumn;9(3):123–55 (199 ref.)

Observations on the mechanism of action of FK-506. A pharmacologic probe of lymphocyte signal transduction. Sigal NH, et al. **Biochem Pharmacol** 1990 Nov 15; 40(10):2201–8 (55 ref.)

Immunosuppressive and long-acting anti-inflammatory activity of mycophenolic acid and derivative, RS-61443. Allison AC, et al. **Br J Rheumatol** 1991;30 Suppl 2:57–61 (8 ref.)

Pharmacology of rapamycin: a new immunosuppressive agent. Chang JY, et al. **Br J Rheumatol** 1991;30 Suppl 2:62–5 (18 ref.)

When worlds collide: immunosuppressants meet protein phosphatases. McKeon F. **Cell** 1991 Sep 6;66(5):823–6 (28 ref.)

FK 506: an immunosuppressant for the 1990s? [published erratum appears in Lancet 1991 Apr 13;337(8746):928] [see comments] Macleod AM, et al. **Lancet** 1991 Jan 5; 337(8732):25–7 (49 ref.) Comment in: Lancet 1991 Feb 16;337(8738):439. Comment in: Lancet 1991 Feb 23;337(8739):499.

Chemistry and biology of the immunophilins and their immunosuppressive ligands. Schreiber SL. **Science** 1991 Jan 18;251(4991):283–7 (57 ref.)

Molecular and cellular mechanisms of action of drugs used to modulate the immune response. Dupont E. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):175–80 (51 ref.)

RS-61443 studies: review and proposal. Platz KP, et al. **Transplant Proc** 1991 Apr;23(2 Suppl 2):33–5 (34 ref.)

Preclinical evaluation of a new potent immunosuppressive agent, rapamycin. Kahan BD, et al. **Transplantation** 1991 Aug;52(2):185–91 (48 ref.)

[FK-506. A new immunosuppressive drug] MacLeod AM, et al. **Medicina (Firenze)** 1990 Jul–Sep;10(3):329–32 (52 ref.) (Eng. Abstr.) **(Ita)**

[Immunosuppressive agents—advances of the developmental studies and the mode of action] Ochiai T, et al. **Nippon Rinsho** 1991 Jun;49(6):1436–41 (20 ref.) **(Jpn)**

THERAPEUTIC USE

Immunosuppressive therapy in Duchenne muscular dystrophy: considerations for myoblast transfer studies. Mendell JR. **Adv Exp Med Biol** 1990;280:287–95 (28 ref.)

Clinical applications of anti-T-cell monoclonal antibodies. Chatenoud L, et al. **Adv Nephrol Necker Hosp** 1991; 20:281–304 (120 ref.)

T-lymphocyte adhesion and immunointervention in transplantation. Fischer A. **Adv Nephrol Necker Hosp** 1991; 20:305–11 (39 ref.)

Leflunomide (HWA 486), a novel immunomodulating compound for the treatment of autoimmune disorders and reactions leading to transplantation rejection. Bartlett RR, et al. **Agents Actions** 1991 Jan;32(1–2):10–21 (44 ref.)

Immunosuppressive therapy for aplastic anemia: indications, agents, mechanisms, and results. Camitta BM, et al. **Am J Pediatr Hematol Oncol** 1990 Winter;12(4):411–24 (64 ref.)

Drug management of the cardiac transplant patient. Hunt SA. **Cardiovasc Drugs Ther** 1988 Dec;2(5):687–91 (13 ref.)

Conventional treatment of idiopathic nephrotic syndrome and membranous nephropathy in adults. Ponticelli C, et al. **Clin Nephrol** 1991;35 Suppl 1:S16–21 (49 ref.)

Immunosuppressive drug therapy for rheumatic disease. McCune WJ, et al. **Curr Opin Rheumatol** 1991 Jun; 3(3):355–62 (36 ref.)

Risk–benefit assessment of drugs used in the treatment of inflammatory bowel disease. Hanauer SB, et al. **Drug Saf** 1991 May–Jun;6(3):192–219 (264 ref.)

The treatment of minimal change nephrotic syndrome: lessons learned from multicentre co-operative studies. Brodehl J. **Eur J Pediatr** 1991 Apr;150(6):380–7 (71 ref.)

Psoriatic arthritis: the use of disease suppressing agents in its management. Grinlinton F, et al. **N Z Med J** 1990 Sep 26;103(898):450–2 (23 ref.)

Alkylating agents and purine analogues in primary glomerulonephritis with nephrotic syndrome. Ponticelli C, et al. **Nephrol Dial Transplant** 1991;6(6):381–8 (68 ref.)

The use of immunosuppressive agents in the treatment of multiple sclerosis: a critical review. Goodin DS. **Neurology** 1991 Jul;41(7):980–5 (23 ref.)

Nursing implications of immunosuppression in transplantation. Shaefer M, et al. **Nurs Clin North Am** 1991 Jun;26(2):291–314 (105 ref.)

Early postoperative care of the cardiac transplantation patient: routine considerations and immunosuppressive therapy. Bolman R 3d, et al. **Prog Cardiovasc Dis** 1990 Nov–Dec;33(3):137–48 (24 ref.)

Inflammatory bowel disease revisited: newer drugs. Hanauer SB. **Scand J Gastroenterol Suppl** 1990;175:97–106 (108 ref.)

Strategies of immunosuppression in cardiac transplantation. Renlund DG, et al. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):181–8 (39 ref.)

Avenues for acquired immune tolerance. Wood KJ, et al. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):189–97 (56 ref.)

Immunosuppressive drugs in immune and inflammatory ocular disease [published erratum appears in Surv Ophthalmol 1991 May–Jun;35(6):475] Hemady R, et al. **Surv Ophthalmol** 1991 Mar–Apr;35(5):369–85 (227 ref.)

New horizons in immunosuppression. Simmons RL, et al. **Transplant Proc** 1991 Aug;23(4):2152–6 (70 ref.)

Triple therapy. Slapak M, et al. **Transplant Proc** 1991 Aug; 23(4):2186–8 (10 ref.)

[Immunosuppressive treatment and Crohn's disease] Delwaide J, et al. **Rev Med Liege** 1991 Jan;46(1):22–8 (27 ref.) **(Fre)**

[Acute viral myocarditis. 2: Therapy] Schultheiss HP. **Fortschr Med** 1991 Jan 30;109(3):49–50 (0 ref.) (Eng. Abstr.) **(Ger)**

[Drug therapy of chronic inflammatory intestinal diseases (see comments)] Raedler A, et al. **Immun Infekt** 1990 Aug; 18(4):121–6 (52 ref.) (Eng. Abstr.) Comment in: Immun Infekt 1990 Aug;18(4):109. **(Ger)**

IMMUNOSURVEILLANCE see **MONITORING, IMMUNOLOGIC**

IMMUNOTHERAPY

Modern immunotherapy of cancer. Ravikumar TS, et al. **Adv Surg** 1991;24:41–68 (116 ref.)

Role of monoclonal antibody therapy in the treatment of infectious disease. Chmel H. **Am J Hosp Pharm** 1990 Nov; 47(11 Suppl 3):S11–5 (19 ref.)

Trials and tribulation in the treatment of recurrent spontaneous abortion. Clark DA, et al. **Am J Reprod Immunol** 1991 Jan;25(1):18–24 (65 ref.)

Problems and prospects of new immunotherapeutic approaches. Fridman WH, et al. **Cancer Detect Prev** 1990; 14(6):657–60 (15 ref.)

Radioantibodies for the diagnosis and treatment of cancer; radioimmunoimaging (RAI) and radioimmunotherapy (RAT). Sfakianakis GN, et al. **Cancer Invest** 1990; 8(3–4):381–405 (127 ref.)

Tumor vaccines. Bystryn JC. **Cancer Metastasis Rev** 1990 Jul;9(1):81–91 (44 ref.)

Principles of successful immunotherapy. Malling HJ. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:216–20 (13 ref.)

The role of IgG subclass antibodies in the clinical response to immunotherapy in allergic disease. Nakagawa T. **Clin Exp Allergy** 1991 May;21(3):289–96 (62 ref.)

Immunological treatment of rheumatoid arthritis. Sany J. **Clin Exp Rheumatol** 1990 Jul–Aug;8 Suppl 5:81–8 (67 ref.)

Cytokines: a new immunotherapy. Cairo MS. **Clin Perinatol** 1991 Jun;18(2):343–59 (94 ref.)

Immune intervention in renal disease. Mathieson PW, et al. **Contrib Nephrol** 1990;86:19–44; discussion 45–7 (147 ref.)

Immunotherapy and immunity to cancer: cellular mechanisms. Ferrini S, et al. **Curr Opin Immunol** 1989–90; 2(5):683–8 (32 ref.)

Immunotherapy and fertility control by immunization against gonadotrophin-releasing hormone. Talwar GP, et al. **Curr Opin Immunol** 1989–90;2(5):733–5 (5 ref.)

Immunotherapy for ovarian cancer. Bookman MA. **Curr Opin Oncol** 1990 Oct;2(5):893–900 (39 ref.)

Immunotherapy and other novel therapies. Trentham DE. **Curr Opin Rheumatol** 1991 Jun;3(3):369–72 (12 ref.)

Tumor vaccines. Stevenson FK. **FASEB J** 1991 Jun; 5(9):2250–7 (44 ref.)

Review on therapeutic options in HIV associated thrombocytopenia with emphasis on i.v. immunoglobulin treatment. Nydegger UE, et al. **Immunol Invest** 1991 Apr; 20(2):223–9 (23 ref.)

Antigen recognition and peptide-mediated immunotherapy in autoimmune disease. Smilek DE, et al. **Immunol Rev** 1990 Dec;118:37–71 (150 ref.)

Melanoma: the development of immunoconjugates from a preclinical viewpoint. Beaumier PL, et al. **Immunol Ser** 1990;53:297–316 (62 ref.)

Specific immunotherapy in asthma. Bousquet J, et al. **J Allergy Clin Immunol** 1990 Sep;86(3 Pt 1):292–305 (142 ref.)

Clinical review 17: Immunotherapy of type I diabetes mellitus. Marks JB, et al. **J Clin Endocrinol Metab** 1991 Jan;72(1):3–9 (13 ref.)

Hematopoietic growth factors: a new frontier in immunotherapy. Cairo MS. **J Pediatr** 1991 Mar;118(3):S1–3 (16 ref.)

Group B streptococcal infections. Edwards MS. **Pediatr Infect Dis J** 1990 Oct;9(10):778–81 (38 ref.)

The immunobiology and immunotherapy of ovarian cancer. Bookman MA, et al. **Semin Oncol** 1991 Jun;18(3):270–91 (198 ref.)

Implications of current therapeutic approaches in colorectal cancer for other gastrointestinal malignancies. Lembersky BC. **Semin Oncol** 1991 Feb;18(1 Suppl 1):39–46 (49 ref.)

The role of immunotherapy in colorectal cancer. Wadler S. **Semin Oncol** 1991 Feb;18(1 Suppl 1):27–38 (88 ref.)

Immunotherapy of gynecologic malignancies. Foon KA, et al. **Semin Surg Oncol** 1990;6(6):364–8 (51 ref.)

Approaches to immunotherapy of cancer: characterization of lymphokines as second signals for cytotoxic T-cell generation. Bertagnolli MM, et al. **Surgery** 1991 Sep; 110(3):459–68 (93 ref.)

Uses of immunotherapy for control of human cytomegalovirus-associated diseases. Emanuel DJ. **Transplant Proc** 1991 Jun;23(3 Suppl 3):144–6 (9 ref.)

Immunotherapy of human immunodeficiency virus infection. Hadden JW. **Trends Pharmacol Sci** 1991 Mar;12(3):107–11 (31 ref.)

Mycobacterium vaccae in immunoprophylaxis and immunotherapy of leprosy and tuberculosis. Stanford JL, et al. **Vaccine** 1990 Dec;8(6):525–30 (45 ref.)

[The immunotherapy of type-1 diabetes mellitus—experiences, results and prospects] Manov A. **Vutr Boles** 1990;29(4):22–7 (20 ref.) **(Bul)**

[Interleukin-2 based immunotherapy of cancer] Geertsen PF, et al. **Ugeskr Laeger** 1990 Nov 19;152(47):3513–7 (30 ref.) (Eng. Abstr.) **(Dan)**

[New prospects of immunotherapy in rheumatoid polyarthritis] Veys EM, et al. **Ann Med Interne (Paris)** 1990;141(4):349–66 (249 ref.) **(Fre)**

[Monoclonal antibodies and mediators—immunologic tumor therapy] Baron D. **Naturwissenschaften** 1990 Sep; 77(9):405–11 (15 ref.) (Eng. Abstr.) **(Ger)**

[Immunotherapy for stinging insect allergy—update] Sthoeger Z, et al. **Harefuah** 1990 Sep;119(5–6):163–5 (33 ref.) **(Heb)**

[Immunologic and immunotherapeutic aspects of colonic carcinoma] Arnoldi E. **Ann Ital Chir** 1990 Sep–Oct; 61(5):495–8 (34 ref.) **(Ita)**

[Active specific immunotherapy of cancer using anti-idiotypic monoclonal antibodies] Castello G, et al. **Clin Ter** 1991 May 15;137(3):155–67 (55 ref.) (Eng. Abstr.) **(Ita)**

[Immunotherapy and urological malignancy] Marumo K. **Nippon Hinyokika Gakkai Zasshi** 1991 Mar;82(3):361–71 (79 ref.) (Eng. Abstr.) **(Jpn)**

[Immunopathogenesis and immunotherapy of type I diabetes mellitus] Kuraeva TL. **Probl Endokrinol (Mosk)** 1991 Jan–Feb;37(1):63–7 (78 ref.) **(Rus)**

METHODS

Chimeric antibody: potential applications for drug delivery and immunotherapy. Shin SU. **Biotherapy** 1991;3(1):43–53 (53 ref.)

Unresolved questions in clinical T cell vaccination. Cohen IR. **Br J Rheumatol** 1991;30 Suppl 2:17–9 (14 ref.)

Immunization with T cell receptor peptides. Vandenbark AA, et al. **Br J Rheumatol** 1991;30 Suppl 2:20–3 (8 ref.)

The use of class II MHC binding peptides in immunotherapy. Wraith DC. **Br J Rheumatol** 1991;30 Suppl 2:14–6 (7 ref.)

Targeted cellular immunotherapy with bifunctional antibodies. Nelson H. **Cancer Cells** 1991 May;3(5):163–72 (63 ref.)

Immunotherapy and gene therapy of cancer. Rosenberg SA. **Cancer Res** 1991 Sep 15;51(18 Suppl):5074s–5079s (43 ref.)

Lymphokine receptor-directed therapy: a model of immune

intervention. Waldmann TA, et al. **J Clin Immunol** 1990 Nov;10(6 Suppl):19S–28S; discussion 28S–29S (57 ref.)
The role of tumour necrosis factor–alpha in acquired immunodeficiency syndrome. Odeh M. **J Intern Med** 1990 Dec;228(6):549–56 (117 ref.)
Immunotherapy of brain tumors. Sawamura Y, et al. **J Neurosurg Sci** 1990 Jul–Dec;34(3–4):265–78 (29 ref.)
Immunotherapy. Neuroblastoma as a model. Cheung NK. **Pediatr Clin North Am** 1991 Apr;38(2):425–41 (88 ref.)
Development of myelorestorative and immunotherapeutic properties of cytokines. Talmadge JE, et al. **Prog Clin Biol Res** 1990;354A:271–85 (34 ref.)
Advances in diagnosis and treatment in clinical immunology. Hobbs JR, et al. **Wien Med Wochenschr Suppl** 1990;107:3–5 (0 ref.)
[Current status of immunotherapy in oncology] Zielinski C. **Acta Med Austriaca** 1991;18(1):20–4 (52 ref.) (Eng. Abstr.) **(Ger)**
[The immunotherapy of advanced renal cell carcinoma] Bergmann L, et al. **Dtsch Med Wochenschr** 1991 Mar 8; 116(10):384–90 (43 ref.) **(Ger)**
[Immunotherapy of chronic Guillain–Barré syndrome with high dose IgG and cyclosporin A. Case report, review of the literature and perspectives] Müllges W, et al. **Fortschr Neurol Psychiatr** 1991 May;59(5):183–9 (58 ref.) (Eng. Abstr.) **(Ger)**
[Chemo– and immunotherapy of colorectal cancer] Klein HO. **Internist (Berl)** 1991 Jun;32(6):348–53 (56 ref.) **(Ger)**
[Special therapeutic directions. 3: Drug therapy processes, related and modified procedures] Eujen BR. **Med Monatsschr Pharm** 1991 Mar;14(3):81–6 (0 ref.) **(Ger)**
[Neonatal sepsis: bases and possibilities for immunotherapy and immunoprophylaxis. 2: Immunotherapy] Borte M, et al. **Padiatr Grenzgeb** 1990;29(5):363–71 (39 ref.) (Eng. Abstr.) **(Ger)**
[Immunologic diagnosis and therapy in habitual abortion] Schwartz D, et al. **Wien Med Wochenschr** 1990; 140(22):547–50 (24 ref.) (Eng. Abstr.) **(Ger)**
[Possibilities of immunotherapy of colorectal cancers and pancreatic tumors] Klapdor R. **Z Gastroenterol Verh** 1991 Mar;26:220–7 (127 ref.) **(Ger)**
[Immunomodulating therapy in various complications of the gestational period] Nazarenko LG. **Akush Ginekol (Mosk)** 1990 Nov;(11):12–5 (53 ref.) **(Rus)**
[The immunomodulating therapy of rheumatoid arthritis] Balabanova RM. **Ter Arkh** 1991;63(5):124–9 (125 ref.) **(Rus)**
[Alternatives to classical immunotherapy and future possibilities] Casillas Miranda R, et al. **Rev Alerg Mex** 1990 Jul–Aug;37(4):133–5 (21 ref.) **(Spa)**

TRENDS

The future role of immunotherapy in the treatment of allergic asthma. Bousquet J, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:221–6 (0 ref.)

IMMUNOTHERAPY, ACTIVE

Immunomodulation by propionibacteria. Roszkowski W, et al. **Int J Med Microbiol** 1990 Dec;274(3):289–98 (63 ref.)
Rationale for immunotherapy of renal cell carcinoma. Heicappell R, et al. **Urol Res** 1990;18(6):357–72 (233 ref.)
[Vaccine therapy of malignant tumors] Csatáry L, et al. **Orv Hetil** 1990 Nov 25;131(47):2585–8 (38 ref.) (Eng. Abstr.) **(Hun)**

IMMUNOTHERAPY, ADOPTIVE

Adoptive T cell therapy of tumors: mechanisms operative in the recognition and elimination of tumor cells. Greenberg PD. **Adv Immunol** 1991;49:281–355 (360 ref.)
Perilymphatic injections of cytokines: a new tool in active cancer immunotherapy. Experimental rationale and clinical findings. Forni G, et al. **Ann Ist Super Sanita** 1990; 26(3–4):397–409 (34 ref.)
Interleukin 2 in cancer therapy. Testa U, et al. **Ann Ist Super Sanita** 1990;26(3–4):283–334 (457 ref.)
T cell vaccination in rheumatoid arthritis. van Laar JM, et al. **Br J Rheumatol** 1991;30 Suppl 2:28–9 (5 ref.)
Adoptive immunotherapy of urologic tumors. Belldegrun A, et al. **Cancer Treat Res** 1989;46:213–33 (86 ref.)
Monoclonal antibodies and tumor vaccines. Ferrone S. **Curr Opin Oncol** 1990 Dec;2(6):1146–51 (13 ref.)
Adoptive cellular immunotherapy for cancer: interleukin–2 activated lymphocytes. Wolf JA Jr, et al. **Curr Opin Oncol** 1989 Dec;1(2):249–57 (28 ref.)
Activated killer monocytes: preclinical model systems. Shinomiya H, et al. **Immunol Ser** 1989;48:101–26 (87 ref.)
Adoptive cellular immunotherapy of cancer: an overview. Stevenson HC. **Immunol Ser** 1989;48:1–18 (15 ref.)
The preparation of effector cells for use in the adoptive cellular immunotherapy of human cancer. Yannelli JR. **J Immunol Methods** 1991 May 17;139(1):1–16 (89 ref.)
Therapeutic intervention of clinical sepsis with intravenous immunoglobulin, white blood cells and antibiotics. Fischer GW, et al. **Scand J Infect Dis Suppl** 1990;73:17–21 (25 ref.)
Adoptive immunotherapy of human cytomegalovirus infection: potential role in protection from disease progression. Greenberg P, et al. **Transplant Proc** 1991 Jun; 23(3 Suppl 3):97–101 (12 ref.)
Rationale for immunotherapy of renal cell carcinoma. Heicappell R, et al. **Urol Res** 1990;18(6):357–72 (233 ref.)
[The rationale and practice of CTL therapy against cancer in the mouse and human] Fujimoto S. **Hum Cell** 1989 Jun; 2(2):109–21 (15 ref.) (Eng. Abstr.) **(Jpn)**
[Interleukin–2 and adoptive immunotherapy: their biological aspects and clinical application in oncology] Barón Saura JM, et al. **Rev Clin Esp** 1991 May;188(9):468–72 (56 ref.) (Eng. Abstr.) **(Spa)**
[Antonio Raichs lecture. Graft versus host disease and the graft–against–leukemia reaction. Memorial lecture] Rozman C. **Sangre (Barc)** 1990 Dec;35(6):465–73 (80 ref.) **(Spa)**

ADVERSE EFFECTS

The nephrotoxicity of chemotherapeutic agents. Narins RG, et al. **Semin Nephrol** 1990 Nov;10(6):556–64 (89 ref.)

METHODS

Targeted cellular immunotherapy with bifunctional antibodies. Nelson H. **Cancer Cells** 1991 May;3(5):163–72 (63 ref.)
Adoptive cellular therapy. Urba WJ, et al. **Cancer Chemother Biol Response Modif** 1990;11:265–80 (67 ref.)
The clinical significance of interleukin–2. Bergmann L. **Onkologie** 1990 Dec;13(6):416–22 (64 ref.)
[A new therapeutic concept in the treatment of metastatic cancers of the kidney: the TIL (tumor infiltrating lymphocytes)] Peyret C. **J Urol (Paris)** 1991;97(2):63–71 (38 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOTHERAPY, PASSIVE see **IMMUNOTHERAPY, ADOPTIVE**

IMMUNOTOXINS

Immunotoxins: selection of cell–surface antigens and their corresponding monoclonal antibodies. Bjorn MJ, et al. **Cancer Treat Res** 1988;37:255–77 (131 ref.)
Pseudomonas exotoxin—immunotoxins. FitzGerald DJ, et al. **Cancer Treat Res** 1988;37:161–73 (34 ref.)
Diphtheria–related peptide hormone gene fusions: a molecular genetic approach to chimeric toxin development. Murphy JR. **Cancer Treat Res** 1988;37:123–40 (51 ref.)
Immunotoxins containing ricin. Vallera DA, et al. **Cancer Treat Res** 1988;37:141–59 (79 ref.)
Genetic engineering of immunotoxins. Youle RJ, et al. **Cancer Treat Res** 1988;37:113–22 (48 ref.)
Toxin selection and modification—overview. Youle RJ. **Cancer Treat Res** 1988;37:93–6 (13 ref.)

ADMINISTRATION & DOSAGE

Immunotoxins. Press OW. **Biotherapy** 1991;3(1):65–76 (58 ref.)

ANALYSIS

Methods for quantifying immunotoxin efficacy. Neville DM Jr, et al. **Cancer Treat Res** 1988;37:393–404 (21 ref.)

CHEMICAL SYNTHESIS

Construction and chemotherapeutic potential of carboxypeptidase–A/monoclonal antibody conjugate. Esswein A, et al. **Adv Enzyme Regul** 1991;31:3–12 (12 ref.)

CHEMISTRY

Antibody–toxin conjugation. Marsh JW, et al. **Cancer Treat Res** 1988;37:213–37 (61 ref.)
Effect of chemical linkage upon the stability and cytotoxic activity of A chain immunotoxins. Wawrzynczak EJ, et al. **Cancer Treat Res** 1988;37:239–51 (35 ref.)

IMMUNOLOGY

Human immune response to immunotoxins. Hertler AA. **Cancer Treat Res** 1988;37:475–80 (16 ref.)

ISOLATION & PURIFICATION

Purification and biochemical characterization of immunotoxins. Lambert JM, et al. **Cancer Treat Res** 1988; 37:323–48 (73 ref.)

PHARMACOKINETICS

Prevention of carbohydrate–mediated clearance of ricin–containing immunotoxins by the liver. Blakey DC, et al. **Cancer Treat Res** 1988;37:457–73 (51 ref.)

PHARMACOLOGY

Immunotoxin enhancers. Casellas P, et al. **Cancer Treat Res** 1988;37:351–69 (51 ref.)
Enhancement of immunotoxin action: manipulation of the cellular routing of proteins. Hudson TH, et al. **Cancer Treat Res** 1988;37:371–89 (63 ref.)
Kinetic analysis of cytotoxicity. Kim YW. **Cancer Treat Res** 1988;37:405–15 (36 ref.)
Immunotoxins containing single–chain ribosome–inactivating proteins. Lambert JM, et al. **Cancer Treat Res** 1988; 37:175–209 (125 ref.)
Antibodies in diagnosis and therapy. The magic bullet—nearing the century mark. Raso V. **Semin Cancer Biol** 1990 Jun;1(3):227–42 (59 ref.)

THERAPEUTIC USE

Modern immunotherapy of cancer. Ravikumar TS, et al. **Adv Surg** 1991;24:41–68 (116 ref.)
Immunoconjugates of Pseudomonas exotoxin A: evaluation in mice, monkeys, and man. Morgan AC Jr, et al. **Cancer Detect Prev** 1991;15(2):137–43 (33 ref.)
Immunotoxins in the therapy of leukemias and lymphomas. Hertler AA, et al. **Cancer Invest** 1991;9(2):211–9 (69 ref.)
Immunotoxin therapy: assessment by animal models. Griffin TW, et al. **Cancer Treat Res** 1988;37:433–55 (56 ref.)
Toxin selection and modification: utilization of the A chain of ricin. Jansen FK, et al. **Cancer Treat Res** 1988;37:97–111 (39 ref.)
Immunotoxins for ex vivo bone marrow purging in human bone marrow transplantation. Vallera DA. **Cancer Treat Res** 1988;37:515–35 (82 ref.)
Immunotoxins: new therapeutic reagents for autoimmunity, cancer, and AIDS. Vitetta ES. **J Clin Immunol** 1990 Nov; 10(6 Suppl):15S–18S (42 ref.)
Immunotoxins and cytokine toxin fusion proteins. Strom TB, et al. **Semin Immunol** 1990 Nov;2(6):467–79 (57 ref.)
The chronically infected cell as a target for the treatment of HIV infection and AIDS. Petteway SR Jr, et al. **Trends Pharmacol Sci** 1991 Jan;12(1):28–34 (38 ref.)
[Immunotoxin: from the idea of "magic bullets" to clinical applications] Engert A, et al. **Med Klin** 1990 Sep 15; 85(9):555–60 (37 ref.) **(Ger)**
[Cancer therapy by using bispecific antibody] Azuma A, et al. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1535–42 (44 ref.) (Eng. Abstr.) **(Jpn)**
[Immunotoxins] Gedikoğlu S. **Mikrobiyol Bul** 1990 Jan; 24(1):79–87 (21 ref.) (Eng. Abstr.) **(Tur)**

TOXICITY

Selective killing of tumor cells using EGF or TGF alpha–Pseudomonas exotoxin chimeric molecules. Siegall CB, et al. **Semin Cancer Biol** 1990 Oct;1(5):345–50 (40 ref.)

IMP DEHYDROGENASE

ANTAGONISTS & INHIBITORS

Inosine monophosphate dehydrogenase inhibitors. Probes for investigations of the functions of guanine nucleotide binding proteins in intact cells. Rizzo MT, et al. **Cell Signal** 1990;2(6):509–19 (69 ref.)

IMP NUCLEOTIDASE see **5'-NUCLEOTIDASE**

IMP PHOSPHATASE see **5'-NUCLEOTIDASE**

IMP PYROPHOSPHORYLASE see **HYPOXANTHINE PHOSPHORIBOSYLTRANSFERASE**

IMPEDANCE TESTS, ACOUSTIC see **ACOUSTIC IMPEDANCE TESTS**

IMPEDANCE, TRANSTHORACIC see **CARDIOGRAPHY, IMPEDANCE**

IMPETIGO

THERAPY

Managing skin infections in children. Wooldridge WE. **Postgrad Med** 1991 Mar;89(4):109–12 (14 ref.)

IMPLANT, COCHLEAR see **COCHLEAR IMPLANT**

IMPLANT, MIDDLE EAR see **OSSICULAR REPLACEMENT PROSTHESIS**

IMPLANT RADIOTHERAPY see **BRACHYTHERAPY**

IMPLANTABLE CATHETERS see **CATHETERS, INDWELLING**

IMPLANTABLE INFUSION PUMPS see **INFUSION PUMPS, IMPLANTABLE**

IMPLANTATION, BLASTOCYST see **OVUM IMPLANTATION**

IMPLANTS, ARTIFICIAL

see related
BIOCOMPATIBLE MATERIALS

An overview of implant materials. Simon JP, et al. **Acta Orthop Belg** 1991;57(1):1–5 (15 ref.)
The universal orbital implant: indications and methods. Anderson RL, et al. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:88–99 (7 ref.)
Mobility implants: a review. Danz W Sr. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:46–52 (28 ref.)
Prosthesis fitting following autogenous dermis–fat orbital implantation: an ocularist's view. Gougelmann HP. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:182–3 (0 ref.)
Fitting the anophthalmic socket: achieving cosmesis with

comfort. Johnson WJ.
Adv Ophthalmic Plast Reconstr Surg 1990;8:126–35 (8 ref.)
Diagnosis and treatment of complications of enucleation and orbital implant surgery. Oberfeld S, et al.
Adv Ophthalmic Plast Reconstr Surg 1990;8:107–17 (13 ref.)
Integrated orbital implants. Perry AC.
Adv Ophthalmic Plast Reconstr Surg 1990;8:75–81 (9 ref.)
Prosthetic reduction of upper eyelid ptosis. Workman CL.
Adv Ophthalmic Plast Reconstr Surg 1990;8:184–91 (7 ref.)
Principles and applications of Computer-Aided Design and Computer-Aided Manufacturing (CAD/CAM) technology in orthopaedics. Goh JC, et al.
Ann Acad Med Singapore 1990 Sep;19(5):706–13 (25 ref.)
Biotechnological and medical applications based on immobilization of hepatocytes, microorganisms, or enzyme systems by microencapsulation in artificial cells. Chang TM. **Ann N Y Acad Sci** 1990;613:109–15 (23 ref.)
Modern metal processing for improved load-bearing surgical implants. Pilliar RM. **Biomaterials** 1991 Mar;12(2):95–100 (60 ref.)
The automatic implantable cardioverter-defibrillator: current status and future directions. Mirowski M, et al.
Cardiologia 1990 Jan;35(1 Suppl):79–83 (26 ref.)
Endoscopic approach to malignant biliary obstruction. Devière J, et al. **Cardiovasc Intervent Radiol** 1990 Aug–Sep; 13(4):223–30 (29 ref.)
Treatment of urinary and faecal incontinence by surgically implanted devices. Brindley GS. **Ciba Found Symp** 1990; 151:267–74; discussion 274–82 (11 ref.)
The use of bone grafts and alloplastic materials in cranioplasty. Prolo DJ, et al. **Clin Orthop** 1991 Jul; (268):270–8 (41 ref.)
Alloplastic augmentation of the anterior mandible. Flowers RS. **Clin Plast Surg** 1991 Jan;18(1):107–38 (27 ref.)
Nasal base, maxillary, and infraorbital implants—alloplastic. Hinderer UT. **Clin Plast Surg** 1991 Jan;18(1):87–105 (52 ref.)
Calf augmentation and correction of contour deformities. Howard PS. **Clin Plast Surg** 1991 Jul;18(3):601–13 (11 ref.)
Alloplastic cheek augmentation. Mladick RA.
Clin Plast Surg 1991 Jan;18(1):29–38 (23 ref.)
A bioartificial pancreas to prevent diabetic microangiopathy? Reach G, et al. **Contrib Nephrol** 1990;78:157–64; discussion 165 (30 ref.)
Instability of the anterior and posterior cruciate ligaments. Arnoczky SP, et al. **Instr Course Lect** 1991;40:199–270 (324 ref.)
Polysulfone intracorneal lenses. Lane SS, et al.
Int Ophthalmol Clin 1991 Winter;31(1):37–46 (28 ref.)
Refractive keratoplasty with synthetic lens implants. McCarey BE. **Int Ophthalmol Clin** 1991 Winter;31(1):87–99 (23 ref.)
The use of artificial ligaments in anterior cruciate ligament reconstruction. Guarda E, et al.
Ital J Orthop Traumatol 1990 Sep;16(3):323–30 (36 ref.)
Regenerating bone in clinical periodontics. Mellonig JT, et al. **J Am Dent Assoc** 1990 Oct;121(4):497–502 (103 ref.)
Breast prostheses: a critical review. Szycher M, et al.
J Biomater Appl 1991 Apr;5(4):256–81 (131 ref.)
Role of host and bacterial factors in modulating staphylococcal adhesion to implanted polymer surfaces. Vaudaux P, et al. **J Biomater Appl** 1990 Oct;5(2):134–53 (57 ref.)
Absorbable implants for the fixation of fractures. Böstman OM. **J Bone Joint Surg [Am]** 1991 Jan;73(1):148–53 (55 ref.)
Silicone, fibrel, and collagen implantation for facial lines and wrinkles. Pollack SV. **J Dermatol Surg Oncol** 1990 Oct; 16(10):957–61 (16 ref.)
Is silicone associated with connective tissue disease? Seleznick MJ, et al. **J Fla Med Assoc** 1991 Feb;78(2):85–7 (31 ref.)
An evaluation of the role of surface hydrophobicity and extracellular slime in the pathogenesis of foreign-body-related infections due to coagulase-negative staphylococci. Fleer A, et al. **J Invest Surg** 1989;2(4):391–6 (10 ref.)
New aspects in the pathogenesis and prevention of polymer-associated foreign-body infections caused by coagulase-negative staphylococci. Jansen B, et al.
J Invest Surg 1989;2(4):361–80 (91 ref.)
Molecular aspects of bacterial adhesion, colonization, and development of infections associated with biomaterials. Wadström T. **J Invest Surg** 1989;2(4):353–60 (40 ref.)
Biologically inert synthetic dural substitutes. Appraisal of a medical-grade aliphatic polyurethane and a polysiloxane-carbonate block copolymer. Sakas DE, et al. **J Neurosurg** 1990 Dec;73(6):936–41 (54 ref.)
The biologic effects of implant materials. Galante JO, et al. **J Orthop Res** 1991 Sep;9(5):760–75 (108 ref.)
Reconstruction of the severely resorbed mandible. Davis WH, et al. **J Prosthet Dent** 1990 Nov;64(5):583–8 (17 ref.)
Leachable components in polymeric medical implants and disposables: a brief critical review. Bruck SD.
Med Prog Technol 1990;16(3):131–43 (54 ref.)
An unusual complication of silastic dural substitute: case report. Ng TH, et al. **Neurosurgery** 1990 Sep;27(3):491–3 (12 ref.)
Biosensor applications to antitachycardia devices. Cohen TJ, et al. **PACE** 1991 Feb;14(2 Pt 2):322–8 (25 ref.)
Programmed stimulation-guided therapy compared with implantable cardioverter defibrillator device therapy in the treatment of ventricular tachyarrhythmias. Troup PJ.
PACE 1991 Feb;14(2 Pt 2):267–72 (31 ref.)
Future studies with the implantable cardioverter defibrillator. Bigger JT Jr. **PACE Pacing Clin Electrophysiol** 1991 May; 14(5 Pt 2):883–9 (32 ref.)
Sudden cardiac death, implanted defibrillation, and clinical electrophysiology. Coumel P, et al.
PACE Pacing Clin Electrophysiol 1991 May;14(5 Pt 2):893–7 (7 ref.)
Potential interactions between antiarrhythmic medication and the automatic implantable cardioverter defibrillator. Gottlieb CD, et al. **PACE Pacing Clin Electrophysiol** 1991 May;14(5 Pt 2):898–904 (41 ref.)
Implantable cardioverter defibrillators in cardiovascular practice: report of the Policy Conference of the North American Society of Pacing and Electrophysiology. NASPE Policy Conference Committee. Lehmann MH, et al. **PACE Pacing Clin Electrophysiol** 1991 Jun;14(6):969–79 (86 ref.)
State-of-the-art of the AICD. Winkle RA.
PACE Pacing Clin Electrophysiol 1991 May;14(5 Pt 2):961–6 (20 ref.)
MR imaging and biomedical implants, materials, and devices: an updated review. Shellock FG, et al. **Radiology** 1991 Aug; 180(2):541–50 (60 ref.)
Implanted medical devices in workers exposed to radio-frequency radiation. Hocking B, et al.
Scand J Work Environ Health 1991 Feb;17(1):1–6 (9 ref.)
The role of the automatic implantable cardioverter-defibrillator in the treatment of ventricular tachycardia. Hammon JW.
Semin Thorac Cardiovasc Surg 1989 Jul;1(1):88–96 (16 ref.)
Roentgenographic evaluation of the augmented breast. Douglas KP, et al. **South Med J** 1991 Jan;84(1):49–54 (28 ref.)
Evaluation and management of incontinence after implantation of the artificial urinary sphincter. Kreder KJ, et al. **Urol Clin North Am** 1991 May;18(2):375–81 (21 ref.)
[A new concept of biomechanics in spinal surgery and its influences on the development of artificial implantation] Zhou DW, et al. **Chung Hua Wai Ko Tsa Chih** 1990 Oct; 28(10):595–8 (32 ref.) **(Chi)**
[Non-surgical repair of atrial septal defect by "buttoned" double disk device in children. First results in 3 children] Worms AM, et al. **Arch Mal Coeur Vaiss** 1991 May; 84(5):623–6 (9 ref.) (Eng. Abstr.) **(Fre)**
[Surgical treatment of neovascular glaucoma] Andreanos D, et al. **Ophtalmologie** 1987 Jul–Sep;1(3):377–9 (12 ref.) **(Fre)**
[Implants in reconstructive surgery of the nasal bone] Trybus M. **Polim Med** 1990;20(1–4):15–23 (57 ref.) (Eng. Abstr.) **(Pol)**

STANDARDS

Mechanical devices for the treatment of erectile dysfunction. Witherington R. **Am Fam Physician** 1991 May; 43(5):1611–20 (5 ref.)

IMPLANTS, DENTAL see **DENTAL IMPLANTS**

IMPLOSIVE THERAPY

METHODS

Cue-exposure interventions for alcohol relapse prevention: need for a memory modification component. Sussman S, et al. **Int J Addict** 1990 Aug;25(8):921–9 (28 ref.)

IMPOTENCE

Sexuality and impotence in the aging man. Kaiser FE.
Clin Geriatr Med 1991 Feb;7(1):63–72 (49 ref.)

DIAGNOSIS

Evaluation of impotence. Benson CB, et al.
Semin Ultrasound CT MR 1991 Apr;12(2):176–90 (48 ref.)
[Erectile dysfunction: principles of radiologic clarification and therapy] Schild H, et al. **Aktuelle Radiol** 1991 Jan; 1(1):34–9 (19 ref.) (Eng. Abstr.) **(Ger)**
[Basic and clinical research of impotence—its present situation and problems involved] Shirai M.
Nippon Hinyokika Gakkai Zasshi 1990 Jul;81(7):965–81 (63 ref.) (Eng. Abstr.) **(Jpn)**
[Male sexual impotence] Puech-Leão P.
AMB Rev Assoc Med Bras 1990 Jan–Mar;36(1):35–7 (8 ref.) **(Por)**

ETIOLOGY

Urologic considerations in geriatric erectile failure. Mulligan T, et al. **Clin Geriatr Med** 1991 Feb;7(1):73–84 (55 ref.)
Diabetes-related impotence in the elderly. Whitehead ED, et al. **Clin Geriatr Med** 1990 Nov;6(4):771–95 (128 ref.)
Male sexuality. 1. Medical causes of male sexual dysfunction. Richardson JD. **Med J Aust** 1991 Jul 1;155(1):29, 32–3 (21 ref.)
Geriatric sexual dysfunction. Mulligan T, et al.
Va Med Q 1991 Spring;118(2):97–9 (15 ref.)

PHYSIOPATHOLOGY

[Pathophysiology of erectile dysfunction—diagnostic and therapeutic consequences] Müller SC. **Aktuelle Radiol** 1991 Jan;1(1):28–33 (17 ref.) (Eng. Abstr.) **(Ger)**
[Impotence] Kockott G. **Andrologia** 1990 Mar–Apr; 22(2):105–17 (33 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

In treating impotence, urology and sex therapy are complementary. Krauss DJ, et al. **Urology** 1990 Nov; 36(5):467–70 (8 ref.)

RADIOGRAPHY

[Male impotence. Radiologic venous evaluation] Delcour C. **Ann Urol (Paris)** 1991;25(2):67–71 (54 ref.) (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

Radionuclide studies in impotence. Hilson AJ, et al.
Semin Nucl Med 1991 Apr;21(2):159–64 (26 ref.)

THERAPY

Mechanical devices for the treatment of erectile dysfunction. Witherington R. **Am Fam Physician** 1991 May; 43(5):1611–20 (5 ref.)
Diagnosis and treatment of impotence. Handelsman H.
Health Technol Assess Rep 1990;(2):1–23 (171 ref.)
Erectile dysfunction-advances. Williams G. **Practitioner** 1991 Feb;235(1499):114, 117–8 (4 ref.)
In treating impotence, urology and sex therapy are complementary. Krauss DJ, et al. **Urology** 1990 Nov; 36(5):467–70 (8 ref.)
[Impotence: therapeutic possibilities] Dejager S, et al.
Ann Med Interne (Paris) 1990;141(4):367–73 (41 ref.) **(Fre)**

ULTRASONOGRAPHY

Vasculogenic impotence. Duplex and color Doppler imaging. Hattery RR, et al. **Radiol Clin North Am** 1991 May; 29(3):629–45 (30 ref.)

IMPRINTING (PSYCHOLOGY)

Neural bases of recognition memory investigated through an analysis of imprinting. Horn G.
Philos Trans R Soc Lond [Biol] 1990 Aug 29; 329(1253):133–42 (93 ref.)

PHYSIOLOGY

[The ontogeny of imprinting and of the expression of the sexual differentiation of liver functions] Rozen VB, et al. **Zh Evol Biokhim Fiziol** 1990 Sep–Oct;26(5):707–13 (22 ref.) **(Rus)**

IMPULSE CONTROL DISORDERS

see related
PARAPHILIAS
SUBSTANCE USE DISORDERS

DIAGNOSIS

Kleptomania: making sense of the nonsensical. Goldman MJ.
Am J Psychiatry 1991 Aug;148(8):986–96 (80 ref.)

PSYCHOLOGY

Kleptomania: clinical characteristics and associated psychopathology. McElroy SL, et al. **Psychol Med** 1991 Feb;21(1):93–108 (125 ref.)

IMPULSE-RIDDEN PERSONALITY see **PERSONALITY DISORDERS**

IMPULSIVE BEHAVIOR

Impulse control in obsessive-compulsive disorder: a biopsychopathological approach. Lopez-Ibor JJ Jr.
Prog Neuropsychopharmacol Biol Psychiatry 1990; 14(5):709–18 (33 ref.)

INADEQUATE PERSONALITY see **PERSONALITY DISORDERS**

INAPPROPRIATE ADH SYNDROME

DIAGNOSIS

[Inappropriate ADH syndrome] Strózik K. **Przegl Lek** 1990; 47(8):615–8 (32 ref.) **(Pol)**

ETIOLOGY

[Endocrinological approach to symptoms and diagnosis of electrolyte abnormalities] Saito T.
Nippon Naika Gakkai Zasshi 1991 Mar 10;80(3):327–31 (4 ref.) **(Jpn)**
[A case of adenocarcinoma of the stomach associated with SIADH] Saitoh S, et al.
Nippon Shokakibyo Gakkai Zasshi 1991 Jun;88(6):1349–53 (14 ref.) **(Jpn)**

PHYSIOPATHOLOGY

A review of disorders of water homeostasis in psychiatric

patients. Riggs AT, et al. **Psychosomatics** 1991 Spring; 32(2):133–48 (129 ref.)

URINE

[Hypervasopressinism during tuberculous meningitis] Sebbag L, et al. **Rev Mal Respir** 1991;8(3):311–2 (10 ref.) (Eng. Abstr.) **(Fre)**

INBORN ERRORS OF METABOLISM see **METABOLISM, INBORN ERRORS**

INBREEDING

see related
MICE, INBRED STRAINS
RATS, INBRED STRAINS

Genetic conservation of domestic livestock. Hall SJ. **Oxf Rev Reprod Biol** 1990;12:289–318 (187 ref.)

INCENTIVE PLANS, PHYSICIAN see **PHYSICIAN INCENTIVE PLANS**

INCENTIVE REIMBURSEMENT see **REIMBURSEMENT, INCENTIVE**

INCENTIVES see **MOTIVATION**

INCEST

PSYCHOLOGY

Women, alcohol and incest: an analytical review. Hurley DL. **J Stud Alcohol** 1991 May;52(3):253–68 (100 ref.)

INCIDENCE

Understanding the effects of age, period, and cohort on incidence and mortality rates. Holford TR. **Annu Rev Public Health** 1991;12:425–57 (46 ref.)

INCIDENCE STUDIES see **COHORT STUDIES**

INCIDENT REPORTING, HOSPITAL see **RISK MANAGEMENT**

INCIPIENT SCHIZOPHRENIA see **SCHIZOTYPAL PERSONALITY DISORDER**

INCISOR

The mandibular third molar and late crowding of the mandibular incisors--a review. Vasir NS, et al. **Br J Orthod** 1991 Feb;18(1):59–66 (59 ref.)

ABNORMALITIES

Tissue regeneration principles applied to separation of fused teeth. Kohavi D, et al. **J Clin Periodontol** 1990 Oct; 17(9):623–9 (26 ref.)

INCLUSION BODIES see **CELLULAR INCLUSIONS**

INCLUSION DISEASE see **CYTOMEGALIC INCLUSION DISEASE**

INCOME

STATISTICS & NUMERICAL DATA

So, how much do orthodontists earn? Waldman HB. **Am J Orthod Dentofacial Orthop** 1990 Oct;98(4):358–63 (31 ref.)

INCOMPLETE VIRUS see **DEFECTIVE VIRUSES**

INCONTINENTIA PIGMENTI

Incontinentia pigmenti. Catalano RA. **Am J Ophthalmol** 1990 Dec 15;110(6):696–700 (31 ref.)

DIAGNOSIS

[Incontinentia pigmenti. A report of 2 familial cases] Feregrino-Hernández HE, et al. **Bol Med Hosp Infant Mex** 1990 Nov;47(11):787–91 (26 ref.) (Eng. Abstr.) **(Spa)**

INCONTINENTIA PIGMENTI ACHROMIANS see **PIGMENTATION DISORDERS**

INCUBATORS

VETERINARY

Gordon memorial lecture. Physics and physiology of incubation. Visschedijk AH. **Br Poult Sci** 1991 Mar; 32(1):3–20 (34 ref.)

INDANS

PHARMACOLOGY

Characteristics of a new angiotensin converting enzyme inhibitor: delapril. Saruta T, et al. **Am J Hypertens** 1991 Jan;4(1 Pt 2):23S–28S (20 ref.)

INDAPAMIDE

THERAPEUTIC USE

Indapamide: a diuretic of choice for the treatment of hypertension? Clarke RJ. **Am J Med Sci** 1991 Mar; 301(3):215–20 (39 ref.)

[Long-term effects of indapamide in left ventricular hypertrophy in patients with hypertension] Komajda M, et al. **Arch Mal Coeur Vaiss** 1990 Dec;83 Spec No 4:45–50 (34 ref.) (Eng. Abstr.) **(Fre)**

INDAZOLES

ADMINISTRATION & DOSAGE

[Tetridamine in the therapy of bacterial vaginosis] Pugliares S, et al. **Minerva Ginecol** 1991 May;43(5):245–51 (36 ref.) (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Toxicity and clinical tolerance of lonidamine. Robustelli della Cuna G, et al. **Semin Oncol** 1991 Apr;18(2 Suppl 4):18–22 (26 ref.)

PHARMACOLOGY

Lonidamine: an overview. Silvestrini B. **Semin Oncol** 1991 Apr;18(2 Suppl 4):2–6 (29 ref.)

THERAPEUTIC USE

Granisetron (BRL 43694) in the treatment of cytostatic drug-induced emesis: a summary. Pintens H. **Cancer Treat Rev** 1990 Sep;17(2–3):307–10 (4 ref.)

5-hydroxytryptamine-3 antagonists: a new class of potent antiemetics in cancer therapy. Soukop M. **Recent Results Cancer Res** 1991;121:86–90 (12 ref.)

Radiotherapy plus lonidamine in non-small cell lung cancer. Cionini L. **Semin Oncol** 1991 Apr;18(2 Suppl 4):49–52 (14 ref.)

Combined modality clinical trials for favorable B-cell neoplasms: lonidamine plus whole body hyperthermia and/or total body irradiation. Robins HI. **Semin Oncol** 1991 Apr;18(2 Suppl 4):23–7 (40 ref.)

Lonidamine in metastatic breast cancer. Rosso R, et al. **Semin Oncol** 1991 Apr;18(2 Suppl 4):62–5 (18 ref.)

Lonidamine in head and neck cancer: an overview. Scarantino CW, et al. **Semin Oncol** 1991 Apr;18(2 Suppl 4):28–32 (20 ref.)

Lonidamine in malignant brain tumors. Schiffer D, et al. **Semin Oncol** 1991 Apr;18(2 Suppl 4):38–41 (41 ref.)

Recent developments in the management of emesis with the 5-HT3 antagonist granisetron. Button D. **Semin Oncol Nurs** 1990 Nov;6(4 Suppl 1):14–9 (21 ref.)

Future prospects for granisetron. Smit P. **Semin Oncol Nurs** 1990 Nov;6(4 Suppl 1):20–2 (6 ref.)

INDEPENDENT LIVING see **ACTIVITIES OF DAILY LIVING**

INDIANS, NORTH AMERICAN

Mental health care in a general health care system: the experience of the Puyallup. Guilmet GM, et al. **Am Indian Alsk Native Ment Health Res** 1988;1 MONO 1:291–316 discussion 317–24 (55 ref.)

The effects of labeling on health behavior and treatment programs among north American Indians. Levy JE. **Am Indian Alsk Native Ment Health Res** 1988;1 MONO 1:211–31 discussion 232–43 (22 ref.)

Health and aging among American Indians: issues and challenges for the biobehavioral sciences. Manson SM, et al. **Am Indian Alsk Native Ment Health Res** 1988;1 MONO 1:160–200 discussion 201–10 (17 ref.)

The health status of Indian children: problems and prevention in early life. May PA. **Am Indian Alsk Native Ment Health Res** 1988;1 MONO 1:244–83 discussion 284–90 (270 ref.)

Major mental disorders and behavior among American Indians and Alaska Natives. Neligh G. **Am Indian Alsk Native Ment Health Res** 1988;1 MONO 1:116–50 discussion 151–9 (54 ref.)

Diabetes and behavior: American Indian issues. Pine CJ. **Am Indian Alsk Native Ment Health Res** 1988;1 MONO 1:94–109 discussion 110–5 (44 ref.)

Alcoholism, alcohol abuse, and health in American Indians and Alaska Natives. Silk-Walker P, et al. **Am Indian Alsk Native Ment Health Res** 1988;1 MONO 1:65–83 discussion 84–93 (99 ref.)

Heart disease in native Americans. Alpert JS, et al. **Cardiology** 1991;78(1):3–12 (65 ref.)

The medicinal flora of Native North America: an analysis. Moerman DE. **J Ethnopharmacol** 1991 Jan;31(1):1–42 (63 ref.)

Adrenal calcification and congenital nephrotic syndrome in three American Indians. Powers RJ, et al. **Pediatr Nephrol** 1990 Jan;4(1):29–31 (13 ref.)

Traditions and innovations: a community-based approach to substance abuse prevention. Parker L, et al. **R I Med J** 1991 Jun;74(6):281–6 (17 ref.)

PSYCHOLOGY

Stress, coping, and health: models of interaction for Indian and native populations. Dinges NG, et al. **Am Indian Alsk Native Ment Health Res** 1988;1 MONO 1:8–55 discussion 56–64 (161 ref.)

American Indians, stress, and alcohol. Mail PD. **Am Indian Alsk Native Ment Health Res** 1989;3(2):7–26 (70 ref.)

Societies, families, and change: the Alaskan example. Mohatt GV, et al. **Am Indian Alsk Native Ment Health Res** 1988; 1 MONO 1:325–52 discussion 353–65 (47 ref.)

Native ethics and rules of behaviour. Brant CC. **Can J Psychiatry** 1990 Aug;35(6):534–9 (29 ref.)

STATISTICS & NUMERICAL DATA

Abuse and neglect of American Indian children: findings from a survey of federal providers. Piasecki JM, et al. **Am Indian Alsk Native Ment Health Res** 1989;3(2):43–62 (31 ref.)

INDICATORS AND REAGENTS

see related
REAGENT KITS, DIAGNOSTIC

The digoxigenin:anti-digoxigenin (DIG) technology--a survey on the concept and realization of a novel bioanalytical indicator system. Kessler C. **Mol Cell Probes** 1991 Jun;5(3):161–205 (411 ref.)

ISOLATION & PURIFICATION

Enzyme reagents from unusual sources. Wu TW. **Clin Biochem** 1990 Oct;23(5):433–6 (13 ref.)

INDIGENCY see **POVERTY**

INDIGENCY, MEDICAL see **MEDICAL INDIGENCY**

INDIGENT CARE see **MEDICAL INDIGENCY**

INDIUM RADIOISOTOPES

DIAGNOSTIC USE

In-111 monoclonal antibody immunoscintigraphy of colorectal cancer. Lamki LM, et al. **Cancer Treat Res** 1990; 51:293–312 (61 ref.)

Optimization of biodistribution by introducing different chemical linkages between antibody and an indium-111 chelate. Quadri SM, et al. **Cancer Treat Res** 1990;51:201–13 (43 ref.)

Indium-111 labeled neutrophils for detecting lung injury. A perspective. Williams JH Jr. **Chest** 1991 May;99(5):1248–51 (24 ref.)

Radioimmunodetection of chemodectoma by In-111 labeled anti-CEA antibody. Case report and review of the literature. Kairemo KJ, et al. **Clin Nucl Med** 1990 Dec; 15(12):900–3 (29 ref.)

Preoperative prediction of extent and severity of ischemic colitis by imaging with in-111 labeled leukocytes. Vijayakumar V, et al. **Clin Nucl Med** 1991 Feb;16(2):98–102 (41 ref.)

Bowel visualization during indium-111-labelled diethylene triamine penta-acetic acid cisternography due to massive cerebrospinal fluid leak. Case report and review of the literature. Jeffery PJ, et al. **Eur J Nucl Med** 1990; 17(6–8):365–8 (20 ref.)

The use of radionuclide techniques in the assessment of alveolar-capillary membrane permeability on the intensive care unit. Hunter DN, et al. **Intensive Care Med** 1990; 16(6):363–71 (62 ref.)

Antimyosin cardiac imaging: will it play a role in the detection of doxorubicin cardiotoxicity? [editorial; comment] Jain D, et al. **J Nucl Med** 1990 Dec; 31(12):1970–4 (26 ref.) Comment on: J Nucl Med 1990 Dec;31(12):1965–9.

The role of scintigraphy in the management of inflammatory bowel disease. Rothstein RD. **J Nucl Med** 1991 May; 32(5):856–9 (22 ref.)

Immunoscintigraphy with 111In antimyosin Fab. Morguet AJ, et al. **Nucl Med Commun** 1990 Nov;11(11):727–35 (46 ref.)

[Monoclonal antibodies as tumoritropic radiopharmaceutical preparations for immunolocalization of malignant neoplasms] Tkacheva GA. **Med Radiol (Mosk)** 1991; 36(5):42–9 (89 ref.) **(Rus)**

INDIVIDUAL DIFFERENCES see **INDIVIDUALITY**

INDIVIDUALITY

Individual differences in difficulty quitting smoking. Hajek P. **Br J Addict** 1991 May;86(5):555–8 (22 ref.)

A bioinformational systems perspective on tobacco dependence. Niaura R, et al. **Br J Addict** 1991 May; 86(5):593–7 (22 ref.)

Refining models of dependence: variations across persons and situations. Shiffman S. **Br J Addict** 1991 May;86(5):611–5 (22 ref.)

Individual differences in autonomic learning: a quarter century of reflection. Ax AF. **Int J Psychophysiol** 1990 Nov;10(1):1–9 (32 ref.)

Matching treatments to client problems not diagnostic labels: a case for paradigmatic behavior therapy. Eifert GH, et al. **J Behav Ther Exp Psychiatry** 1990 Sep;21(3):163–72 (36 ref.)
Have all won and must all have prizes? Revisiting Luborsky et al.'s verdict. Beutler LE. **J Consult Clin Psychol** 1991 Apr;59(2):226–32 (38 ref.)
Client–treatment interaction in the study of differential change processes. Shoham–Salomon V, et al. **J Consult Clin Psychol** 1991 Apr;59(2):217–25 (75 ref.)
Treatment of Aptitude X Treatment interactions. Smith B, et al. **J Consult Clin Psychol** 1991 Apr;59(2):233–44 (60 ref.)
Aptitude–treatment interaction as a framework for research on individual differences in psychotherapy. Snow RE. **J Consult Clin Psychol** 1991 Apr;59(2):205–16 (60 ref.)
Human survival from the viewpoint of contextual individualism: discussion paper. Bartalos MK. **J R Soc Med** 1990 Sep;83(9):573–5 (9 ref.)
Individual analysis of laterality data. Brysbaert M, et al. **Neuropsychologia** 1990;28(9):901–16 (19 ref.)
A general model of consensus and accuracy in interpersonal perception. Kenny DA. **Psychol Rev** 1991 Apr;98(2):155–63 (28 ref.)
Ageing and life history: the meaning of reminiscence in late life. Coleman PG. **Sociol Rev [Monogr]** 1991;(37):120–43 (50 ref.)

INDIVIDUATION

Cross–cultural studies of individualism and collectivism. Triandis HC. **Nebr Symp Motiv** 1989;37:41–133 (230 ref.)
Adolescent problem behaviors: the influence of attachment and autonomy. Allen JP, et al. **Psychiatr Clin North Am** 1990 Sep;13(3):455–67 (75 ref.)
Attachment and separateness. A dialectic model of the products and processes of development throughout the life cycle. Blatt SJ, et al. **Psychoanal Study Child** 1990; 45:107–27 (52 ref.)
[Separation—aloneness—departure as steps in female development from the psychoanalytic viewpoint] Boothe B. **Z Psychosom Med Psychoanal** 1990;36(4):316–31 (35 ref.) (Eng. Abstr.) **(Ger)**

INDOLEACETIC ACIDS

STANDARDS

Etodolac: efficacy in osteoarthritis and effects on chondrocyte function. Bacon PA. **Rheumatol Int** 1990;10 Suppl:3–7 (18 ref.)

THERAPEUTIC USE

Etodolac: analgesic effects in musculoskeletal and postoperative pain. Pena M. **Rheumatol Int** 1990;10 Suppl:9–16 (18 ref.)

INDOLEAMINE 2,3–DIOXYGENASE see **TRYPTOPHAN OXYGENASE**

INDOLES

ADVERSE EFFECTS

The safety and acceptability of perindopril. Brown CL. **J Hum Hypertens** 1990 Oct;4 Suppl 4:51–5; discussion 55–6 (15 ref.)

CHEMISTRY

Recent progress in the chemistry of indole alkaloids and mould metabolites. Saxton JE. **Nat Prod Rep** 1990 Jun; 7(3):191–243 (244 ref.)

DIAGNOSTIC USE

Flow cytometric measurement of intracellular ionized calcium in single cells with indo–1 and fluo–3. June CH, et al. **Methods Cell Biol** 1990;33:37–58 (55 ref.)

METABOLISM

Indoxyl alfa–D–galactoside as the temporarily last substrate for glycosidase histochemistry. The present state of the art in histochemical glycosidase research using indoxyl glycosidas. Gossrau R. **Folia Histochem Cytobiol** 1990; 28(3):129–43 (85 ref.)

PHARMACOLOGY

Preclinical studies on the anti–migraine drug, sumatriptan. Humphrey PP, et al. **Eur Neurol** 1991;31(5):282–90 (40 ref.)
Sumatriptan in acute migraine: pharmacology and review of world experience. Peroutka SJ. **Headache** 1990;30 Suppl 2:554–60 (43 ref.)
Clinical pharmacology of perindopril. Lees KR. **J Hum Hypertens** 1990 Oct;4 Suppl 4:7–8; discussion 9–11 (11 ref.)
Phthalocyanines as photodynamic sensitizers. Rosenthal I. **Photochem Photobiol** 1991 Jun;53(6):859–70 (98 ref.)
[Isoindoles in pharmaceutical research] Spreitzer H, et al. **Pharm Unserer Zeit** 1991 Mar;20(2):83–7 (33 ref.) **(Ger)**

THERAPEUTIC USE

Antiemetic action of 5–HT3 receptor antagonists: review of preclinical and clinical results with ICS 205–930. Gamse R. **Cancer Treat Rev** 1990 Sep;17(2–3):301–5 (20 ref.)
Rationale for the use of 5–HT1–like agonists in the treatment of migraine. Feniuk W, et al. **J Neurol** 1991;238 Suppl 1:S57–61 (42 ref.)
Neurochemical actions of CCK underlying the therapeutic potential of CCK–B antagonists. Hughes J, et al. **Neuropeptides** 1991 Jul;19 Suppl:85–9 (34 ref.)

TOXICITY

Cyclopiazonic acid: toxicity and tissue distribution. Norred WP. **Vet Hum Toxicol** 1990;32 Suppl:20–5; discussion 25–6 (34 ref.)

INDOLIZINES

CHEMISTRY

Indolizidine and quinolizidine alkaloids. Michael JP. **Nat Prod Rep** 1990 Dec;7(6):485–513 (190 ref.)

INDOLYLETHYLAMINES see **TRYPTAMINES**

INDOMETHACIN

ADVERSE EFFECTS

[Indomethacin and a tocolytic agent: fetal and neonatal outcome] Shamir R, et al. **Harefuah** 1990 Dec 2; 119(11):387–90 (38 ref.) **(Heb)**

PHARMACOLOGY

[Indomethacin as a modulator of the activity of natural killer cells (a review of the literature)] Shparyk IaV. **Vrach Delo** 1990 Aug;(8):32–6 (37 ref.) **(Rus)**

THERAPEUTIC USE

Indomethacin therapy in the treatment of symptomatic polyhydramnios. Moise KJ Jr. **Clin Obstet Gynecol** 1991 Jun;34(2):310–8 (37 ref.)
Maternal, fetal, and neonatal physiology in pregnancy. Gilbert WM. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):4–7 (12 ref.)

INDORAMIN

PHARMACOKINETICS

A review of the clinical pharmacokinetics and metabolism of the alpha 1–adrenoceptor antagonist indoramin. Pierce DM. **Xenobiotica** 1990 Dec;20(12):1357–67 (19 ref.)

INDUCER CELLS see **HELPER CELLS**

INDUSTRIAL ARTS see **TECHNOLOGY**

INDUSTRIAL DERMATOSES see **OCCUPATIONAL DERMATITIS**

INDUSTRIAL HEALTH see **OCCUPATIONAL HEALTH**

INDUSTRIAL MEDICINE see **OCCUPATIONAL MEDICINE**

INDUSTRIAL MICROBIOLOGY

see related
GENETIC ENGINEERING

Enzymes of industrial potential from methylotrophs. Duine JA, et al. **Biotechnology** 1991;18:233–52 (148 ref.)
Production of useful chemicals by methylotrophs. Tani Y. **Biotechnology** 1991;18:253–70 (108 ref.)
Micro–algae as sources of fine chemicals. Borowitzka MA. **Microbiol Sci** 1986 Dec;3(12):372–5 (28 ref.)
Microbial problems with waste from potato–starch processing. Nanninga HJ, et al. **Microbiol Sci** 1986 Jun; 3(6):179–82 (36 ref.)

METHODS

Pilot– and process–scale techniques for cell disruption. Schütte H, et al. **Biotechnol Appl Biochem** 1990 Dec; 12(6):599–620 (74 ref.)
[Genetic and biochemical control of biosynthesis of macrolide antibiotics] Navashin SM, et al. **Antibiot Khimioter** 1990 Dec;35(12):34–8 (62 ref.) **(Rus)**

STANDARDS

[Pathogenetic aspects of diagnosis and prevention of pathological conditions caused by products of microbiological synthesis (review of the literature)] Shleĭkin AG. **Gig Sanit** 1990 Aug;(8):45–8 (55 ref.) **(Rus)**

INDUSTRIAL WASTE

Ecological risk analysis of biotechnological waste decontamination. Thrall AD, et al. **Biotechnology** 1991; 15:325–39 (35 ref.)
Microbial problems with waste from potato–starch processing. Nanninga HJ, et al. **Microbiol Sci** 1986 Jun; 3(6):179–82 (36 ref.)
[Public health aspects of the assessment of industrial wastes at the present time] Perelygin VM, et al. **Vestn Akad Med Nauk SSSR** 1991;(1):43–7 (9 ref.) (Eng. Abstr.) **(Rus)**

INDUSTRY

Cancer by industry: analysis of a population–based cancer registry with an emphasis on blue–collar workers. Hall NE, et al. **Am J Ind Med** 1991;19(2):145–59 (40 ref.)
Applications of capillary electrophoresis for industrial analysis. Stover FS. **Electrophoresis** 1990 Sep;11(9):750–6 (56 ref.)

ECONOMICS

An economic and antitrust analysis of the distribution of medical products. Celnicker AC. **Am J Law Med** 1990; 16(4):499–523 (98 ref.)

INSTRUMENTATION

Industrial nail gun injuries. Schor JS, et al. **South Med J** 1991 Jul;84(7):922–3 (10 ref.)

LEGISLATION & JURISPRUDENCE

The cosmetic ingredient review self–regulatory safety program. Bergfeld WF, et al. **Dermatol Clin** 1991 Jan; 9(1):105–22 (6 ref.)

ORGANIZATION & ADMINISTRATION

Lessons from industry: revising organizational structure to improve health care quality assurance. Eskildson L, et al. **QRB Qual Rev Bull** 1991 Feb;17(2):38–41 (16 ref.)

STANDARDS

Universities and the clinical monitoring industry: feckless independents or fruitful partners? Smith BE. **Int J Clin Monit Comput** 1990;7(4):249–58 (23 ref.)

INFANT

Toward a model to explain infant preferences by cerebral emotional asymmetry and hemisphere priming. Drake RA, et al. **Int J Neurosci** 1990 Jan;50(1–2):29–35 (66 ref.)
The best contact lens for baby? Jacobs DS. **Int Ophthalmol Clin** 1991 Spring;31(2):173–9 (28 ref.)
Growth and development in infants. Salem N Jr, et al. **World Rev Nutr Diet** 1991;66:20–5 (4 ref.)

INFANT CARE

Delivery room management of meconium–stained neonates. Kresch MJ, et al. **J Perinatol** 1991 Mar;11(1):46–8 (10 ref.)
A new method of phototherapy: nursing perspectives. Murphy MR, et al. **J Perinatol** 1990 Sep;10(3):249–51 (14 ref.)

ECONOMICS

The financial impact of the high technology newborn. Edell DS, et al. **N C Med J** 1991 Feb;52(2):97–9 (10 ref.)

STANDARDS

Ingestion of carcinogenic N–nitrosamines by infants and children. Westin JB. **Arch Environ Health** 1990 Nov–Dec; 45(6):359–63 (54 ref.)
[Quality assurance in antenatal, perinatal and neonatal care. A medical audit] Andersen KV, et al. **Ugeskr Laeger** 1991 May 20;153(21):1498–501 (16 ref.) (Eng. Abstr.) **(Dan)**

INFANT FOOD

Carnitine supplementation in soy–based formula–fed infants. Novak M. **Biol Neonate** 1990;58 Suppl 1:89–92 (25 ref.)
Nutritional therapy for infants with diarrhea. Lifschitz CH, et al. **Nutr Rev** 1990 Sep;48(9):329–38 (67 ref.)
Carnitine and infant formulas. Firmansyah A. **Paediatr Indones** 1990 May–Jun;30(5–6):172–8 (22 ref.)
Whole cow milk feeding between 6 and 12 months of age? Go back to 1976. Oski FA. **Pediatr Rev** 1990 Dec; 12(6):187–9 (30 ref.)
[Do Norwegian infants get too little iron in the diet?] Baerug A, et al. **Tidsskr Nor Laegeforen** 1991 Apr 20; 111(10):1238–9 (14 ref.) (Eng. Abstr.) **(Nor)**
[Infant nutrition in Norway in the light of recent research] Seip M. **Tidsskr Nor Laegeforen** 1991 Jun 30;111(17):2122–5 (18 ref.) (Eng. Abstr.) **(Nor)**
[The role of carbohydrates in child nutrition] Gapparov MM, et al. **Vopr Pitan** 1991 Mar–Apr;(2):15–22 (61 ref.) **(Rus)**

ADVERSE EFFECTS

Reduction of whey protein allergenicity by processing. Jost R, et al. **Adv Exp Med Biol** 1991;289:309–20 (24 ref.)
Interactions between early nutrition and the immune system. Chandra RK. **Ciba Found Symp** 1991;156:77–89; discussion 89–92 (26 ref.)

ANALYSIS

Amino acid ratings of different forms of infant formulas based on varying degrees of processing. Sarwar G. **Adv Exp Med Biol** 1991;289:389–402 (17 ref.)

The importance of alpha-lactalbumin in infant nutrition. Heine WE, et al. **J Nutr** 1991 Mar;121(3):277–83 (42 ref.)

STANDARDS

Do infants need nucleotide supplemented formula for optimal nutrition? [editorial] Quan R, et al. **J Pediatr Gastroenterol Nutr** 1990 Nov;11(4):429–34 (57 ref.)

[The rationale for new physiological standards of food and energy consumption for infants] Fateeva EM, et al. **Vopr Pitan** 1990 Nov–Dec;(6):21–5 (24 ref.) **(Rus)**

[Substantiation of the formula of human milk substitutes] Volgarev MN, et al. **Vopr Pitan** 1990 Jul–Aug;(4):5–10 (44 ref.) **(Rus)**

STATISTICS & NUMERICAL DATA

Iron in food and its availability. Fairweather-Tait SJ. **Acta Paediatr Scand Suppl** 1989;361:12–20 (38 ref.)

INFANT HEALTH SERVICES see **CHILD HEALTH SERVICES**

INFANT, LOW BIRTH WEIGHT

The very tiny baby, multiple births, and other questions about preterm deliveries. Papiernik E. **Curr Opin Obstet Gynecol** 1991 Feb;3(1):4–7 (26 ref.)

Neonatal and infant problems of low birth weight. Rosenberg AA. **Curr Opin Obstet Gynecol** 1991 Feb;3(1):8–14 (34 ref.)

Detection of low birth-weight new born babies by anthropometric measurements in Bangladesh. Huque F, et al. **Indian J Pediatr** 1991 Mar–Apr;58(2):223–31 (17 ref.)

An assessment of low birthweight risk in primiparae as an indicator of malaria control in pregnancy. Brabin B. **Int J Epidemiol** 1991 Mar;20(1):276–83 (40 ref.)

Epidemiology of prematurity. Sinclair JC. **Int J Technol Assess Health Care** 1991;7 Suppl 1:2–8 (20 ref.)

Prophylaxis of necrotizing enterocolitis by oral IgA-IgG: review of a clinical study in low birth weight infants and discussion of the pathogenic role of infection. Eibl MM, et al. **J Clin Immunol** 1990 Nov;10(6 Suppl):72S–77S; discussion 77S–79S (46 ref.)

Identification and treatment of retinopathy of prematurity: an update and review. White GL Jr, et al. **South Med J** 1991 Apr;84(4):475–8 (14 ref.)

[Survival rate and follow up studies of very low birth weight (less than 1000 g) premature infants] Botykai A, et al. **Orv Hetil** 1990 Nov 18;131(46):2537–42 (27 ref.) (Eng. Abstr.) **(Hun)**

[Calcium, phosphorus, magnesium status and postnatal growth during 0–8 weeks in low birth weight premature infants] Fekete M, et al. **Orv Hetil** 1991 May 12; 132(19):1029–33 (17 ref.) (Eng. Abstr.) **(Hun)**

[Follow up of extremely low birth weight infants at the age of 8–11 years (late prognosis of perinatal factors)] Vekerdy Z, et al. **Orv Hetil** 1991 Jun 30;132(26):1411–7 (39 ref.) (Eng. Abstr.) **(Hun)**

[Pattern of survival and sequelae in very low birth weight infants] Figueras Aloy J, et al. **An Esp Pediatr** 1990 Dec; 33(6):542–8 (31 ref.) (Eng. Abstr.) **(Spa)**

BLOOD

[Lipid- and lipoprotein-cholesterol levels in the first 8 months of low-weight (less than or equal to 1500 g) premature infants] Decsi T, et al. **Orv Hetil** 1991 Apr 30; 132(17):907–10 (33 ref.) (Eng. Abstr.) **(Hun)**

PHYSIOLOGY

Scientifically-based strategies for nutrition of the high-risk low birth weight infant. Neu J, et al. **Eur J Pediatr** 1990 Nov;150(1):2–13 (132 ref.)

[Circulatory monitoring in very low birth weight infants using Doppler sonography] Jorch G, et al. **Monatsschr Kinderheilkd** 1990 Aug;138(8):416–21 (41 ref.) (Eng. Abstr.) **(Ger)**

INFANT MORTALITY

see related

FETAL DEATH

Infant mortality: the Swedish experience. Köhler L. **Annu Rev Public Health** 1991;12:177–93 (32 ref.)

Ethnic differences in infant health. Pearson M. **Arch Dis Child** 1991 Jan;66(1):88–90 (17 ref.)

Urinary oestriol assay for monitoring fetoplacental function. Beischer N, et al. **Aust N Z J Obstet Gynaecol** 1991 Feb; 31(1):1–8 (11 ref.)

Role of necropsy at neonatal and infantile ages. Bosman C, et al. **IARC Sci Publ** 1991;(112):163–75 (22 ref.)

Five-decade international trends in the relation of perinatal mortality and congenital malformations: stillbirth and neonatal death compared. Kalter H. **Int J Epidemiol** 1991 Mar;20(1):173–9 (45 ref.)

[The effects of intensive care for newborn infants] Dubbelman KA, et al. **Tijdschr Kindergeneeskd** 1991 Feb; 59(1):15–23 (46 ref.) (Eng. Abstr.) **(Dut)**

[Smoking effects on pregnancy] Aleixo Neto A. **Rev Saude Publica** 1990 Oct;24(5):420–4 (19 ref.) (Eng. Abstr.) **(Por)**

INFANT, NEWBORN

see related

ANIMALS, NEWBORN

Perinatal grief and mourning. Menke JA, et al. **Adv Pediatr** 1990;37:261–83 (37 ref.)

A comparison of the gum pads of Afro-Caribbean and Caucasian British subjects at birth. Leighton BC, et al. **Br J Orthod** 1990 Aug;17(3):215–21 (18 ref.)

Fetal monitoring and neonatal resuscitation: what the anaesthetist should know. Guay J. **Can J Anaesth** 1991 May;38(4 Pt 2):R74–88 (95 ref.) **(Eng, Fre)**

Intrapartum antibiotic therapy for suspected intraamniotic infection: impact on the fetus and neonate. Maberry MC, et al. **Clin Obstet Gynecol** 1991 Jun;34(2):345–51 (28 ref.)

High-frequency ventilation in neonates. Tsuzaki K. **J Clin Anesth** 1990 Nov–Dec;2(6):387–92 (19 ref.)

Establishing a neonatal resuscitation team in community hospitals. Bailey C, et al. **J Perinatol** 1990 Sep; 10(3):294–300 (18 ref.)

The financial impact of the high technology newborn. Edell DS, et al. **N C Med J** 1991 Feb;52(2):97–9 (10 ref.)

[The use of intravenous lipids in the neonatal period] Philippet P. **Rev Med Liege** 1991 Mar;46(3):147–57 (47 ref.) **(Fre)**

BLOOD

Plasma cholesterol and lipoprotein levels during fetal development and infancy. Carlson SE. **Ann N Y Acad Sci** 1991;623:81–9 (41 ref.)

Mixed venous oxygen saturation in the newborn. Can we and should we measure it? Whyte RK. **Scand J Clin Lab Invest Suppl** 1990;203:203–11 (48 ref.)

[Transcutaneous PCO2 determination in neonatology] Schultz MJ, et al. **Tijdschr Kindergeneeskd** 1991 Apr; 59(2):44–50 (18 ref.) (Eng. Abstr.) **(Dut)**

GROWTH & DEVELOPMENT

The paired-comparison paradigm and infant intelligence. Fagan JF 3d. **Ann N Y Acad Sci** 1990;608:337–57; discussion 358–64 (56 ref.)

Prenatal marijuana use: epidemiology, methodologic issues, and infant outcome. Day NL, et al. **Clin Perinatol** 1991 Mar;18(1):77–91 (29 ref.)

The foetal and infant origins of inequalities in health in Britain. Barker DJ. **J Public Health Med** 1991 May; 13(2):64–8 (19 ref.)

Neuronal development in human prefrontal cortex in prenatal and postnatal stages. Mrzljak L, et al. **Prog Brain Res** 1990; 85:185–222 (156 ref.)

Essentiality of omega 3 fatty acids in growth and development of infants. Carlson SE, et al. **World Rev Nutr Diet** 1991;66:74–86 (44 ref.)

[Development of sight] Warburg M. **Ugeskr Laeger** 1991 May 27;153(22):1571–5 (29 ref.) (Eng. Abstr.) **(Dan)**

IMMUNOLOGY

Interactions between early nutrition and the immune system. Chandra RK. **Ciba Found Symp** 1991;156:77–89; discussion 89–92 (26 ref.)

Immunology of the neonate. Burgio GR, et al. **Curr Opin Immunol** 1989–90;2(5):770–7 (28 ref.)

Fetal and neonatal immunoincompetence. Vetro SW, et al. **Fetal Ther** 1989;4 Suppl 1:82–91 (59 ref.)

Antibody-mediated immunity in the neonate. Hanson LA, et al. **Padiatr Padol** 1990;25(5):371–6 (25 ref.)

Escherichia coli infection in neonates: humoral defense mechanisms. Bortolussi R. **Semin Perinatol** 1990 Aug;14(4 Suppl 1):40–3 (23 ref.)

Antimicrobial defenses in the neonate. Quie PG. **Semin Perinatol** 1990 Aug;14(4 Suppl 1):2–9 (37 ref.)

[Neonatal sepsis: bases and possibilities for immunotherapy and immunoprophylaxis. 1: Maturation of immune mechanisms in the fetus and in newborn infants] Miler I, et al. **Padiatr Grenzgeb** 1990;29(5):349–62 (47 ref.) (Eng. Abstr.) **(Ger)**

[The role of maternal body in the development of allergic reactivity in a newborn infant] Kuznetsova AV. **Akush Ginekol (Mosk)** 1991 May;(5):14–5 (26 ref.) **(Rus)**

METABOLISM

Metabolic adaptations to change of nutrition at birth. Girard J. **Biol Neonate** 1990;58 Suppl 1:3–15 (62 ref.)

Control of glucose metabolism in the perinatal period. Jones CT. **J Dev Physiol** 1991 Feb;15(2):81–9 (49 ref.)

Hormonal and metabolic response to operative stress in the neonate. Schmeling DJ, et al. **JPEN J Parenter Enteral Nutr** 1991 Mar–Apr;15(2):215–38 (250 ref.)

Salt and the newborn kidney. Haycock GB, et al. **Pediatr Nephrol** 1991 Jan;5(1):65–70 (58 ref.)

MICROBIOLOGY

[Development of intestinal biocenosis in healthy and sick newborn infants] Dzhamali NF, et al. **Pediatriia** 1991; (2):88–92 (59 ref.) **(Rus)**

PHYSIOLOGY

Learning processes in the human newborn. Sensitization, habituation, and classical conditioning. Lipsitt LP. **Ann N Y Acad Sci** 1990;608:113–23; discussion 123–7 (32 ref.)

Pain in newborns and prematures: current practice and knowledge. Schuster A, et al. **Brain Dev** 1990;12(5):459–65 (96 ref.)

Clinical pharmacokinetics of antibacterial drugs in neonates. Paap CM, et al. **Clin Pharmacokinet** 1990 Oct;19(4):280–318 (175 ref.)

Pain in the newborn—pharmacodynamic aspects. Boréus LO. **Dev Pharmacol Ther** 1990;15(3–4):142–8 (12 ref.)

Electrolyte balance. Aperia A, et al. **Int J Technol Assess Health Care** 1991;7 Suppl 1:90–3 (31 ref.)

Water and heat balance. Hammarlund K. **Int J Technol Assess Health Care** 1991;7 Suppl 1:85–9 (25 ref.)

Control of blood pressure and the distribution of blood flow. Versmold HT. **Int J Technol Assess Health Care** 1991;7 Suppl 1:79–84 (38 ref.)

Computer analyses of EEG-sleep in the neonate: methodological considerations. Scher MS, et al. **J Clin Neurophysiol** 1990 Jul;7(3):417–41 (58 ref.)

Regulation of breathing at birth. Adamson SL. **J Dev Physiol** 1991 Jan;15(1):45–52 (93 ref.)

Structural and histochemical reorganization of the human prefrontal cortex during perinatal and postnatal life. Kostović I. **Prog Brain Res** 1990;85:223–39; discussion 239–40 (96 ref.)

Fetal and newborn cerebral vascular responses and adaptations to hypoxia. Longo LD, et al. **Semin Perinatol** 1991 Feb;15(1):49–57 (44 ref.)

[Blood pressure in newborn infants—its importance and the methods for its measurement] Iarŭkova N, et al. **Akush Ginekol (Sofiia)** 1990;29(5):58–61 (10 ref.) **(Bul)**

[Modern research methods in the newborn: respiratory and heart-circulatory functions] Stopfkuchen H. **Klin Anasthesiol Intensivther** 1989;37:161–3 (0 ref.) **(Ger)**

PSYCHOLOGY

The development of a human auditory localization response: a U-shaped function. Muir DW, et al. **Can J Psychol** 1989 Jun;43(2):199–216 (50 ref.)

CONSPEC and CONLERN: a two-process theory of infant face recognition. Morton J, et al. **Psychol Rev** 1991 Apr; 98(2):164–81 (105 ref.)

INFANT, NEWBORN, DISEASES

Cardiopulmonary resuscitation of the newborn. Sinkin RA, et al. **Pediatr Rev** 1990 Nov;12(5):136–41 (10 ref.)

Newborn screening for hemoglobinopathies. Rowley PT. **Semin Perinatol** 1990 Dec;14(6):483–7 (48 ref.)

CHEMICALLY INDUCED

Oxygen toxicity in the neonatal period. Saugstad OD. **Acta Paediatr Scand** 1990 Oct;79(10):881–92 (83 ref.)

[Effects of drug consumption on the newborn] Gallart Catalá A. **An Esp Pediatr** 1990 Nov;33 Suppl 43:234–41 (63 ref.) **(Spa)**

[Marijuana and pregnancy: impact on the pregnant woman, the fetus and the newborn infant] Garcia A, et al. **Med Clin (Barc)** 1991 Jan 26;96(3):106–9 (38 ref.) **(Spa)**

DIAGNOSIS

Hemostasis in the perinatal period: approach to the diagnosis of coagulation disorders. Beardsley DS. **Semin Perinatol** 1991 Jun;15(3 Suppl 2):25–34 (41 ref.)

DRUG THERAPY

Therapeutic administration of fibronectin: current uses and potential applications. Yoder MC. **Clin Perinatol** 1991 Jun; 18(2):325–41 (67 ref.)

ETIOLOGY

Perinatal transmission of human papillomavirus. Fletcher JL Jr. **Am Fam Physician** 1991 Jan;43(1):143–8 (28 ref.)

The effects of maternal diabetes on the fetus and neonate. Rosenn B, et al. **Ann Clin Lab Sci** 1991 May–Jun; 21(3):153–70 (179 ref.)

Infant of the diabetic mother. Merchant RH, et al. **Indian Pediatr** 1990 Apr;27(4):373–9 (26 ref.)

GENETICS

[Benign familial neonatal convulsion: clinical features of the propositus and comparison with the previously reported cases] Wakai S, et al. **No To Hattatsu** 1990 Nov; 22(6):589–95 (22 ref.) (Eng. Abstr.) **(Jpn)**

METABOLISM

Nutritional needs of newborn infants in intensive care. Okken A. **Int J Technol Assess Health Care** 1991;7 Suppl 1:94–8 (44 ref.)

MICROBIOLOGY

[Development of intestinal biocenosis in healthy and sick newborn infants] Dzhamali NF, et al. **Pediatriia** 1991; (2):88–92 (59 ref.) **(Rus)**

PHYSIOPATHOLOGY

Management of pain in the newborn infant. Colditz PB. **J Paediatr Child Health** 1991 Feb;27(1):11–5 (58 ref.)

PREVENTION & CONTROL

Maternal immunization to prevent fetal and neonatal infection. Faix RG. **Clin Obstet Gynecol** 1991 Jun; 34(2):277–87 (23 ref.)

SURGERY

Anaesthesia for the neonate. Crone RK, et al. **Can J Anaesth** 1991 May;38(4 Pt 2):R105–25 (61 ref.) **(Eng, Fre)**

THERAPY

Transfusion therapy in neonates. Strauss RG. **Am J Dis Child** 1991 Aug;145(8):904–11 (65 ref.)

The critically ill neonate in the emergency department. Boychuk RB. **Emerg Med Clin North Am** 1991 Aug; 9(3):507–22 (15 ref.)

[Resuscitation of newborns] Simbruner G, et al. **Klin Anasthesiol Intensivther** 1989;37:164–75 (13 ref.) **(Ger)**

INFANT, NEWBORN, INTENSIVE CARE see **INTENSIVE CARE, NEONATAL**

INFANT, NEWBORN, SCREENING see **NEONATAL SCREENING**

INFANT NUTRITION

see related
MILK
MILK, HUMAN

Iron for the suckling. Aggett PJ, et al. **Acta Paediatr Scand Suppl** 1989;361:96–102 (37 ref.)

The weanling: iron for all or one. Siimes MA, et al. **Acta Paediatr Scand Suppl** 1989;361:103–8 (17 ref.)

Weaning in European and Latin American countries. Casado de Frias E, et al. **Beitr Infusionther** 1991;27:1–14 (34 ref.)

Dietary trace elements in early infancy. Chierici R, et al. **Beitr Infusionther** 1991;27:66–85 (120 ref.)

The child of today and the Mediterranean diet. Fidanza AA, et al. **Beitr Infusionther** 1991;27:152–60 (5 ref.)

Metabolic adaptations to change of nutrition at birth. Girard J. **Biol Neonate** 1990;58 Suppl 1:3–15 (62 ref.)

Carnitine supplementation in the premature. Melegh B. **Biol Neonate** 1990;58 Suppl 1:93–106 (86 ref.)

Carnitine supplementation in soy-based formula-fed infants. Novak M. **Biol Neonate** 1990;58 Suppl 1:89–92 (25 ref.)

Carnitine and total parenteral nutrition of the neonate. Schmidt-Sommerfeld E, et al. **Biol Neonate** 1990;58 Suppl 1:81–8 (32 ref.)

Programming by early nutrition in man. Lucas A. **Ciba Found Symp** 1991;156:38–50; discussion 50–5 (33 ref.)

Scientifically-based strategies for nutrition of the high-risk low birth weight infant. Neu J, et al. **Eur J Pediatr** 1990 Nov;150(1):2–13 (132 ref.)

Human milk in infant nutrition [see comments] Saini AS, et al. **Indian Pediatr** 1990 Jul;27(7):681–702 (152 ref.) Comment in: Indian Pediatr 1991 Jan;28(1):86–8.

Nutritional needs of newborn infants in intensive care. Okken A. **Int J Technol Assess Health Care** 1991;7 Suppl 1:94–8 (44 ref.)

Child nutrition: objectives for the decade. Splett PL, et al. **J Am Diet Assoc** 1991 Jun;91(6):665–8 (17 ref.)

The importance of alpha-lactalbumin in infant nutrition. Heine WE, et al. **J Nutr** 1991 Mar;121(3):277–83 (42 ref.)

Do infants need nucleotide supplemented formula for optimal nutrition? [editorial] Quan R, et al. **J Pediatr Gastroenterol Nutr** 1990 Nov;11(4):429–34 (57 ref.)

Inadequate vegan diets at weaning. **Nutr Rev** 1990 Aug; 48(8):323–6 (12 ref.)

Selenium in pediatric nutrition. Litov RE, et al. **Pediatrics** 1991 Mar;87(3):339–51 (118 ref.)

Boyd Orr memorial lecture. Early nutrition and later achievement. Dobbing J. **Proc Nutr Soc** 1990 Jul; 49(2):103–18 (57 ref.)

[Current aspects of infant nutrition] Baerlocher K. **Padiatr Padol** 1991;26(1):5–12 (32 ref.) (Eng. Abstr.) **(Ger)**

[Do Norwegian infants get too little iron in the diet?] Baerug A, et al. **Tidsskr Nor Laegeforen** 1991 Apr 20; 111(10):1238–9 (14 ref.) (Eng. Abstr.) **(Nor)**

[Infant nutrition in Norway in the light of recent research] Seip M. **Tidsskr Nor Laegeforen** 1991 Jun 30;111(17):2122–5 (18 ref.) (Eng. Abstr.) **(Nor)**

[Nutritional support of premature newborn infants with birthweight below 1.500 g] Castillo Salinas F, et al. **An Esp Pediatr** 1990 Sep;33(3):233–6 (21 ref.) (Eng. Abstr.) **(Spa)**

INFANT NUTRITION DISORDERS

COMPLICATIONS

Nutritional effects on response of children in developing countries to respiratory tract pathogens: implications for vaccine development. Keusch GT. **Rev Infect Dis** 1991 May-Jun;13 Suppl 6:S486–91 (54 ref.)

ETIOLOGY

Nutritional vitamin B12 deficiency in infancy: three case reports and a review of the literature. Doyle JJ, et al. **Pediatr Hematol Oncol** 1989;6(2):161–72 (27 ref.)

INFANT, POSTMATURE

Induction of labor, complications of labor, and postmaturity. Boylan P. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):31–5 (26 ref.)

INFANT, PREMATURE

Carnitine supplementation in the premature. Melegh B. **Biol Neonate** 1990;58 Suppl 1:93–106 (86 ref.)

Carnitine and total parenteral nutrition of the neonate. Schmidt-Sommerfeld E, et al. **Biol Neonate** 1990;58 Suppl 1:81–8 (32 ref.)

The very tiny baby, multiple births, and other questions about preterm deliveries. Papiernik E. **Curr Opin Obstet Gynecol** 1991 Feb;3(1):4–7 (26 ref.)

White matter damage in preterm newborns--an epidemiologic perspective. Leviton A, et al. **Early Hum Dev** 1990 Oct;24(1):1–22 (134 ref.)

High-frequency oscillatory ventilation. Hodson WA. **Int J Technol Assess Health Care** 1991;7 Suppl 1:41–6 (46 ref.)

Epidemiology of prematurity. Sinclair JC. **Int J Technol Assess Health Care** 1991;7 Suppl 1:2–8 (20 ref.)

[Periventricular leukomalacia in premature newborn infants] Dworzak P. **Arch Fr Pediatr** 1990 Nov;47(9):667–77 (101 ref.) **(Fre)**

BLOOD

[Lipid- and lipoprotein-cholesterol levels in the first 8 months of low-weight (less than or equal to 1500 g) premature infants] Decsi T, et al. **Orv Hetil** 1991 Apr 30; 132(17):907–10 (33 ref.) (Eng. Abstr.) **(Hun)**

GROWTH & DEVELOPMENT

Development of intestinal motility. Bisset WM. **Arch Dis Child** 1991 Jan;66(1 Spec No):3–5 (23 ref.)

Essentiality of omega 3 fatty acids in growth and development of infants. Carlson SE, et al. **World Rev Nutr Diet** 1991;66:74–86 (44 ref.)

METABOLISM

Micronutrients and drug response: vitamin A and vitamin E in the fetus and in the newborn. Gorodischer R. **Dev Pharmacol Ther** 1990;15(3-4):166–72 (30 ref.)

[Calcium, phosphorus, magnesium status and postnatal growth during 0-8 weeks in low birth weight premature infants] Fekete M, et al. **Orv Hetil** 1991 May 12; 132(19):1029–33 (17 ref.) (Eng. Abstr.) **(Hun)**

[Estimation of the degree of metabolism-energy maturity in the premature newborn infant: plasma lipid profile and lipid transport systems] Campoy Folgoso C, et al. **An Esp Pediatr** 1990 Sep;33(3):237–44 (65 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Pain in newborns and prematures: current practice and knowledge. Schuster A, et al. **Brain Dev** 1990;12(5):459–65 (96 ref.)

Electrolyte balance. Aperia A, et al. **Int J Technol Assess Health Care** 1991;7 Suppl 1:90–3 (31 ref.)

Respiratory control and stimulation of spontaneous breathing. Lagercrantz H. **Int J Technol Assess Health Care** 1991;7 Suppl 1:47–51 (30 ref.)

[Significance of age correction in premature infants] Brandt I, et al. **Monatsschr Kinderheilkd** 1991 Jan;139(1):16–21 (50 ref.) (Eng. Abstr.) **(Ger)**

[Nutritional support of premature newborn infants with birthweight below 1.500 g] Castillo Salinas F, et al. **An Esp Pediatr** 1990 Sep;33(3):233–6 (21 ref.) (Eng. Abstr.) **(Spa)**

INFANT, PREMATURE, DISEASES

Neonatal and infant problems of low birth weight. Rosenberg AA. **Curr Opin Obstet Gynecol** 1991 Feb;3(1):8–14 (34 ref.)

Neonatal duodenal perforation. Miller BM, et al. **J Pediatr Gastroenterol Nutr** 1990 Oct;11(3):407–10 (19 ref.)

BLOOD

Euthyroid low thyroxine (T4) and triiodothyronine (T3) states in prematures and sick neonates. Fisher DA. **Pediatr Clin North Am** 1990 Dec;37(6):1297–312 (54 ref.)

DRUG THERAPY

[Effects of exogenous surfactants on mortality and main complications of hyaline membrane disease] Walti H, et al. **Pediatrie** 1990;45(10):657–63 (25 ref.) (Eng. Abstr.) **(Fre)**

EPIDEMIOLOGY

A population-based study of ocular abnormalities in premature children aged 5 to 10 years. Gallo JE, et al. **Am J Ophthalmol** 1991 May 15;111(5):539–47 (41 ref.)

GENETICS

[Osteoglophonic skeletal dysplasia--a variant of generalized fibrous dysplasia? Case report and review of the literature] Stöss H, et al. **Pathologe** 1991 May;12(3):161–6 (9 ref.) **(Ger)**

MICROBIOLOGY

Neonatal infections with coagulase negative staphylococci. Millar MR, et al. **Arch Dis Child** 1990 Oct;65(10 Spec No):1015–6 (23 ref.)

Candida endocarditis: successful medical management in three preterm infants and review of the literature. Sánchez PJ, et al. **Pediatr Infect Dis J** 1991 Mar;10(3):239–43 (30 ref.)

PATHOLOGY

The IVH complex of lesions: cerebrovascular injury in the preterm infant. Allan WC. **Neurol Clin** 1990 Aug; 8(3):529–51 (43 ref.)

PHYSIOPATHOLOGY

Pathophysiology of apnoea in preterm infants. Ruggins NR. **Arch Dis Child** 1991 Jan;66(1 Spec No):70–3 (37 ref.)

Cerebrovascular regulation and neonatal brain injury. Del Toro J, et al. **Pediatr Neurol** 1991 Jan-Feb;7(1):3–12 (104 ref.)

[Survival rate and follow up studies of very low birth weight (less than 1000 g) premature infants] Botykai A, et al. **Orv Hetil** 1990 Nov 18;131(46):2537–42 (27 ref.) (Eng. Abstr.) **(Hun)**

PREVENTION & CONTROL

New uses of intravenous immune globulin in newborn infants. Baker CJ. **J Clin Immunol** 1990 Nov;10(6 Suppl):47S–52S; discussion 52S–55S (18 ref.)

[Intra-partum ethamsylate (dicynone) administration in the prevention of cerebral hemorrhage in premature infants] Györe F, et al. **Orv Hetil** 1990 Dec 16;131(50):2747–52 (26 ref.) (Eng. Abstr.) **(Hun)**

[Reserves for lowering the neonatal mortality of premature children] Iatsyk GV, et al. **Vestn Akad Med Nauk SSSR** 1991;(5):44–7 (22 ref.) (Eng. Abstr.) **(Rus)**

SURGERY

Anaesthesia for the neonate. Crone RK, et al. **Can J Anaesth** 1991 May;38(4 Pt 2):R105–25 (61 ref.) **(Eng, Fre)**

[Omphalocele and laparoschisis] Demarche M, et al. **Rev Med Liege** 1990 Oct;45(10):504–12 (29 ref.) **(Fre)**

ULTRASONOGRAPHY

Neonatal cranial ultrasonography. Blickman JG, et al. **Curr Probl Diagn Radiol** 1991 May-Jun;20(3):91–119 (75 ref.)

INFANT PSYCHOLOGY see **CHILD PSYCHOLOGY**

INFANT, SMALL FOR GESTATIONAL AGE

ABC of antenatal care. Small for gestational age. Chamberlain G. **BMJ** 1991 Jun 29;302(6792):1592–6 (0 ref.)

INFANTICIDE

[Infanticide in primates and man and the problems of reconstructing the social behavior of the hominids] Butovskaia ML. **Biol Nauki** 1990;(12):5–23 (72 ref.) (Eng. Abstr.) **(Rus)**

INFANTILE CORTICAL HYPEROSTOSIS see **HYPEROSTOSIS, CORTICAL, CONGENITAL**

INFANTILE PARALYSIS see **POLIOMYELITIS**

INFANTILE SPINAL MUSCULAR ATROPHY see **WERDNIG-HOFFMANN DISEASE**

INFANTILISM, GENITAL see **HYPOGONADISM**

INFANTILISM, SEXUAL see **HYPOGONADISM**

INFARCTION

see related
MYOCARDIAL INFARCTION

CHEMICALLY INDUCED

[Mesenteric ischemia and cardiotonic glycosides] Jourdan JL, et al. **Rev Med Liege** 1991 Apr;46(4):196–203 (52 ref.) **(Fre)**

ETIOLOGY

Mesenteric infarction secondary to tumor emboli from primary aortic sarcoma. Guidelines for diagnosis and management. Higgins R, et al. **Cancer** 1991 Oct 1; 68(7):1622–7 (9 ref.)

[Idiopathic segmental infarction of the greater omentum] Coppo B, et al. **J Chir (Paris)** 1991 Apr;128(4):204–6 (21 ref.) (Eng. Abstr.) **(Fre)**

[Cerebellar infarction] Amarenco P. **Presse Med** 1991 May 18;20(19):909–14 (31 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Contribution of scanner in the diagnosis of intestinal infarction] Buchon R, et al. **J Radiol** 1991 May;72(5):291–7 (21 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[Ischemic infarct of the liver] Ponomarev AA. **Klin Khir** 1990;(9):53–6 (37 ref.) **(Rus)**

INFECTION

Surgical and postoperative infections. Faro S.
Curr Opin Obstet Gynecol 1989 Oct;1(1):18–22 (32 ref.)

Maternal and fetal infection. McGregor JA.
Curr Opin Obstet Gynecol 1991 Feb;3(1):15–23 (57 ref.)

What's new in infectious diseases. Shulman ST.
Curr Probl Pediatr 1991 Jan;21(1):3–7 (14 ref.)

Tick-borne diseases. Doan-Wiggins L.
Emerg Med Clin North Am 1991 May;9(2):303–25 (62 ref.)

Infection and infectious diseases [see comments] Welsby PD.
Postgrad Med J 1990 Oct;66(780):807–17 (85 ref.)
Comment in: Postgrad Med J 1991 Apr;67(786):401.

Recent advances in infectious diseases. Emgushov RT, et al. **R I Med J** 1990 Nov;73(11):517–23 (47 ref.)

Nutrition and metabolism in sepsis and multisystem organ failure. Baue AE. **Surg Clin North Am** 1991 Jun; 71(3):549–65 (61 ref.)

BLOOD

Lymphokines and the acute-phase response in clinical bone marrow transplantation. Cohen J, et al.
Eur Cytokine Netw 1990 Oct-Nov;1(4):251–5 (20 ref.)

COMPLICATIONS

Malnutrition and infections as causes of childhood anemia in tropical Africa. Kasili EG.
Am J Pediatr Hematol Oncol 1990 Fall;12(3):375–7 (15 ref.)

Childhood infection and adult disease. Martyn CN.
Ciba Found Symp 1991;156:93–102; discussion 102–8 (18 ref.)

Lethal infections associated with severe burns. Brown M, et al. **Compr Ther** 1990 Aug;16(8):42–7 (13 ref.)

Infectious atypical pneumonia in the intensive care unit. Gurman G, et al. **Isr J Med Sci** 1991 Jul;27(7):408–15 (54 ref.)

Infection, malnutrition and growth. Mata L.
J Gastroenterol Hepatol 1990;5 Suppl 1:32–44 (76 ref.)

Pelvic pain and infections. Faro S, et al.
Obstet Gynecol Clin North Am 1990 Jun;17(2):441–55 (35 ref.)

Antioxidants and prooxidants in malnourished populations. Thurnham DI. **Proc Nutr Soc** 1990 Jul;49(2):247–59 (58 ref.)

[Hypersensitivity (allergy) and infection] Cicioğlu R, et al. **Mikrobiyol Bul** 1991 Jan;25(1):108–17 (8 ref.) (Eng. Abstr.) **(Tur)**

DIAGNOSIS

Serious soft tissue infections of the head and neck. Herr RD, et al. **Am Fam Physician** 1991 Sep;44(3):878–88 (25 ref.)

Life threatening infections. Wood G, et al.
Aust Fam Physician 1991 Jun;20(6):733–7, 740–1, 744 (18 ref.)

Manifestations of systemic disease and infections of the musculoskeletal system [published erratum appears in Curr Opin Radiol 1990 Dec;2(6):965] Patton JT.
Curr Opin Radiol 1990 Oct;2(5):678–83 (12 ref.)

Evaluation of the traveler. An introduction to emporiatrics for the emergency physician. Shepherd SM, et al.
Emerg Med Clin North Am 1991 May;9(2):273–301 (99 ref.)

DNA probes for diagnosis of intestinal infection. Char S, et al. **Gut** 1991 Jan;32(1):1–3 (35 ref.)

Diagnostic applications of DNA probes. Pfaller MA.
Infect Control Hosp Epidemiol 1991 Feb;12(2):103–10 (58 ref.)

Diagnostic imaging of musculoskeletal infection. Roentgenography; gallium, indium-labeled white blood cell, gammaglobulin, bone scintigraphy; and MRI. Wegener WA, et al. **Orthop Clin North Am** 1991 Jul;22(3):401–18 (84 ref.)

Infectious disease of the spine. Diagnostic and treatment considerations. Wisneski RJ. **Orthop Clin North Am** 1991 Jul;22(3):491–501 (44 ref.)

Overwhelming infections in infants and children. Berman DA. **Pediatr Ann** 1990 Oct;19(10):604–10 (15 ref.)

Care of febrile children with HIV infection in the emergency department. Dorfman DH, et al. **Pediatr Emerg Care** 1990 Dec;6(4):305–10 (29 ref.)

Organism-specific antibody indices, the cerebrospinal fluid-immunoglobulin index and other tools: a clinician's guide to the etiologic diagnosis of central nervous system infection. Andiman WA. **Pediatr Infect Dis J** 1991 Jul; 10(7):490–5 (29 ref.)

The office evaluation of infectious diarrhea. Bergquist EJ. **Prim Care** 1990 Dec;17(4):853–66 (27 ref.)

The office laboratory. Bergquist JR. **Prim Care** 1990 Dec; 17(4):731–43 (28 ref.)

Infectious and inflammatory processes of the spine. Smith AS, et al. **Radiol Clin North Am** 1991 Jul;29(4):809–27 (61 ref.)

The polymerase chain reaction: amplifying our options. Peter JB. **Rev Infect Dis** 1991 Jan-Feb;13(1):166–71 (50 ref.)

DIET THERAPY

Potential of parenteral and enteral nutrition in inflammation and immune dysfunction: a new challenge for dietitians [published erratum appears in J Am Diet Assoc 1991 Aug;91(8):913] Haw MP, et al. **J Am Diet Assoc** 1991 Jun; 91(6):701–6, 709 (78 ref.)

DRUG THERAPY

Empiric treatment of infection during granulocytopenia. Klastersky J. **Ann Oncol** 1990 Jul;1(4):255–61 (37 ref.)

An update on home intravenous antibiotic therapy. Bernstein LH. **Geriatrics** 1991 Jun;46(6):47–54 (14 ref.)

Impact of dosage schedule of antibiotics on the treatment of serious infections. Bakker-Woudenberg IA, et al.
Intensive Care Med 1990;16 Suppl 3:S229–34 (39 ref.)

Role of arginine in trauma, sepsis, and immunity. Kirk SJ, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep-Oct;14(5 Suppl):226S–229S (53 ref.)

Update on antimicrobial agents. Walsh ML, et al.
Nurs Clin North Am 1991 Jun;26(2):341–60 (48 ref.)

Antibiotic-impregnated beads. Part I: Bead implantation versus systemic therapy. Henry SL, et al. **Orthop Rev** 1991 Mar;20(3):242–7 (78 ref.)

Antibiotic-impregnated beads. Part II: Factors in antibiotic selection. Popham GJ, et al. **Orthop Rev** 1991 Apr; 20(4):331–7 (56 ref.)

Antibiotic therapy for common infections. Ellison MJ, et al. **Prim Care** 1990 Sep;17(3):521–41 (114 ref.)

Antibiotics and infectious diseases. Liu HH. **Prim Care** 1990 Dec;17(4):745–74 (18 ref.)

[Progress in oral antibiotic therapy in practice] Pichler HE. **Infection** 1991;19 Suppl 1:S57–60 (13 ref.) (Eng. Abstr.) **(Ger)**

[Monotherapy or combined therapy for the treatment of severe infections] Moreno S.
Enferm Infecc Microbiol Clin 1989;7 Suppl 1:50–5 (53 ref.) **(Spa)**

ENZYMOLOGY

Proteinases in chronic lung infection. Stockley RA, et al.
Ann N Y Acad Sci 1991;624:257–66 (49 ref.)

EPIDEMIOLOGY

Epidemiology in bone and joint infection. Gillespie WJ.
Infect Dis Clin North Am 1990 Sep;4(3):361–76 (61 ref.)

Herd immunity and the HIV epidemic. O'Connor WT.
Prev Med 1991 May;20(3):329–42 (103 ref.)

Endemic infectious diseases of the Middle East [published erratum appears in Rev Infect Dis 1991 May-Jun;13(3):533] Oldfield EC 3d, et al. **Rev Infect Dis** 1991 Jan-Feb;13 Suppl 3:S199–217 (168 ref.)

[Frequency of infections in intensive care units: an incidence survey] Godard J, et al. **Agressologie** 1990;31(8 Spec No):529–31 (15 ref.) (Eng. Abstr.) **(Fre)**

[Current situation of occupational diseases in physicians and medical personnel] Valentin H.
Zentralbl Hyg Umweltmed 1991 Mar;191(2-3):182–200 (7 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Prosthesis-related infection. Etiology, prophylaxis and diagnosis (a review). Wymenga AB, et al.
Acta Orthop Belg 1990;56(2):463–75 (133 ref.)

Iron and infection: the clinical evidence. Oppenheimer SJ.
Acta Paediatr Scand Suppl 1989;361:53–62 (98 ref.)

1990 McCollum Award lecture. Nutrition and immunity: lessons from the past and new insights into the future. Chandra RK. **Am J Clin Nutr** 1991 May;53(5):1087–101 (119 ref.)

Upper gastrointestinal tract infections in AIDS. AIDS GIT Group. René E, et al. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):339–59 (66 ref.)

Advances in the management of infectious complications after bone marrow transplantation. Wingard JR.
Bone Marrow Transplant 1990 Dec;6(6):371–83 (116 ref.)

Problems related to immunosuppression. Infection and malignancy occurring after solid organ transplantation. Dunn DL. **Crit Care Clin** 1990 Oct;6(4):955–77 (77 ref.)

Prevention of and therapy for infection in cancer patients. Schimpff SC. **Curr Opin Oncol** 1990 Oct;2(5):919–23 (14 ref.)

Musculoskeletal manifestations of infectious disease in children. Miller LC. **Curr Opin Rheumatol** 1990 Oct; 2(5):817–23 (29 ref.)

Infections in alcoholic patients. Sternbach GL.
Emerg Med Clin North Am 1990 Nov;8(4):793–803 (47 ref.)

Infections in cancer patients: differences between developed and less developed countries? [comment] Schimpff SC.
Eur J Cancer 1991;27(4):407–8 (11 ref.) Comment on: Eur J Cancer 1991;27(4):423–6.

New concepts in managing diabetic foot infections. Leichter SB, et al. **Geriatrics** 1991 May;46(5):24–30 (30 ref.)

Infections following orthotopic liver transplantation. Arnow PM. **HPB Surg** 1991 Apr;3(4):221–32; discussion 232–3 (51 ref.)

Corneal infections in contact lens wearers. Stern GA.
Int Ophthalmol Clin 1991 Spring;31(2):147–61 (71 ref.)

Pathogenic synergism. Ingham HR, et al. **Microbiol Sci** 1984 Nov;1(8):206–8 (25 ref.)

Musculoskeletal infections in immunocompromised hosts. Brennan PJ, et al. **Orthop Clin North Am** 1991 Jul; 22(3):389–99 (70 ref.)

Diabetic foot infections. Brodsky JW, et al.
Orthop Clin North Am 1991 Jul;22(3):473–89 (29 ref.)

Nutrition: its relationship to orthopedic infections. Smith TK.
Orthop Clin North Am 1991 Jul;22(3):373–7 (43 ref.)

[Infections in dialysis patients] Boelaert JR, et al.
Ned Tijdschr Geneeskd 1991 Jan 26;135(4):116–7 (18 ref.) **(Dut)**

[Removal of the spleen and risk of the development of severe infections in children] Epifanov NS. **Pediatriia** 1991; (3):96–9 (68 ref.) **(Rus)**

[Infection in the neutropenic patient] López A, et al.
Enferm Infecc Microbiol Clin 1989;7 Suppl 1:34–40 (63 ref.) **(Spa)**

[Severe infections in parenteral drug addicts] Lozano F, et al. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:41–9 (57 ref.) **(Spa)**

[Infection in patients with immunodeficiencies] Arikan S.
Mikrobiyol Bul 1990 Jul;24(3):279–94 (17 ref.) (Eng. Abstr.) **(Tur)**

GENETICS

Genetic variation in the stress response: susceptibility to experimental allergic encephalomyelitis and implications for human inflammatory disease. Mason D.
Immunol Today 1991 Feb;12(2):57–60 (39 ref.)

IMMUNOLOGY

Stress proteins and the immune response. Young DB.
Antonie Van Leeuwenhoek 1990 Oct;58(3):203–8 (28 ref.)

Interferon-gamma: mechanism of action and therapeutic potential. Billiau A, et al. **Biochem Pharmacol** 1990 Oct 1;40(7):1433–9 (60 ref.)

The IgE response in atopy and infections. Maggi E, et al.
Clin Exp Allergy 1991 Jan;21 Suppl 1:72–8 (23 ref.)

Relationship between selenium, immunity and resistance against infection. Dhur A, et al.
Comp Biochem Physiol [C] 1990;96(2):271–80 (124 ref.)

Role of colony-stimulating factors in leucocyte responses to inflammation and infection. Vadas MA, et al.
Curr Opin Immunol 1991 Feb;3(1):97–104 (81 ref.)

Gamma interferon, cytokine-induced macrophage activation, and antimicrobial host defense. In vitro, in animal models, and in humans. Murray HW.
Diagn Microbiol Infect Dis 1990 Sep-Oct;13(5):411–21 (67 ref.)

Avoidance, and inactivation of reactive oxygen species: novel microbial immune evasion strategies. Eze MO.
Med Hypotheses 1991 Mar;34(3):252–5 (26 ref.)

T cell recognition of stress proteins. A link between infectious and autoimmune disease. Lamb JR, et al.
Mol Biol Med 1990 Aug;7(4):311–21 (69 ref.)

Interleukin 6 in infection and cancer. Sehgal PB.
Proc Soc Exp Biol Med 1990 Nov;195(2):183–91 (94 ref.)

Chaperonins and the immune response. Young DB.
Semin Cell Biol 1990 Feb;1(1):27–35 (56 ref.)

[Current overview of diagnostic possibilities of complement analysis] Nydegger U. **Wien Med Wochenschr Suppl** 1990; 107:12–22 (3 ref.) (Eng. Abstr.) **(Ger)**

[Infections in organ transplantations] Holzinger C, et al.
Zentralbl Chir 1990;115(17):1091–9 (53 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Gastrointestinal mucosal injury in experimental models of shock, trauma, and sepsis. Fink MP. **Crit Care Med** 1991 May;19(5):627–41 (159 ref.)

MICROBIOLOGY

Microbial strategies for intracellular survival. Hof H.
Infection 1991;19 Suppl 4:S202–5 (19 ref.)

New strategies in microbiological diagnosis. Pallen MJ, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:147–58 (66 ref.)

PHYSIOPATHOLOGY

Neuroendocrine mechanisms in the thermogenic responses to diet, infection, and trauma. Rothwell NJ.
Adv Exp Med Biol 1990;274:371–80 (75 ref.)

Abnormalities of vascular reactivity in the sepsis syndrome.

Sibbald WJ, et al. **Chest** 1991 Sep;100(3 Suppl):155S–159S (33 ref.)
Infections and sepsis in disasters. Steinberg SM, et al. **Crit Care Clin** 1991 Apr;7(2):437–50 (26 ref.)
Physiologic stress and cellular ischemia: relationship to immunosuppression and susceptibility to sepsis. Abraham E. **Crit Care Med** 1991 May;19(5):613–8 (69 ref.)
Haemodynamic monitoring. Problems, pitfalls and practical solutions. Bossaert LL, et al. **Drugs** 1991 Jun;41(6):857–74 (66 ref.)

PREVENTION & CONTROL

Direct and indirect effects in vaccine efficacy and effectiveness. Halloran ME, et al. **Am J Epidemiol** 1991 Feb 15;133(4):323–31 (29 ref.)
Primary prophylaxis against common infectious diseases in persons with human immunodeficiency virus infection. Girard PM, et al. **Am Rev Respir Dis** 1991 Feb; 143(2):447–50 (30 ref.)
Immunoglobulin subclasses and prophylactic use of immunoglobulin in immunoglobulin G subclass deficiency. Söderström T, et al. **Cancer** 1991 Sep 15;68(6 Suppl):1426–9 (13 ref.)
Maternal immunization to prevent fetal and neonatal infection. Faix RG. **Clin Obstet Gynecol** 1991 Jun; 34(2):277–87 (23 ref.)
Role of human recombinant GM-CSF in the prevention and treatment of leukopenia with special reference to infectious diseases. Stern AC, et al. **Diagn Microbiol Infect Dis** 1990 Sep–Oct;13(5):391–6 (48 ref.)
Cefoxitin in the prevention and treatment of infections. Brook I. **Hosp Pract [Off]** 1990 Oct;25 Suppl 4:46–56 (95 ref.)
New and old aspects of immunoglobulin application. The use of intravenous IgG as prophylaxis and for treatment of infections. Hammarström L, et al. **Infection** 1990 Sep–Oct;18(5):314–24 (174 ref.)
Health promotion and disease prevention for the international traveler. Alder MB, et al. **Nurse Pract** 1991 May;16(5):10–4, 16–8, 25 (17 ref.)
Medical surveillance of infectious disease endpoints. Rosenberg J, et al. **Occup Med** 1990 Jul–Sep;5(3):583–605 (59 ref.)
Premature rupture of the membranes: intraamniotic infection. Gibbs RS. **Pediatr Infect Dis J** 1990 Oct;9(10):776 (12 ref.)
Health risks of foreign travel. Preparing adults for jaunts abroad. Spees DN. **Postgrad Med** 1991 Jun;89(8):147–50, 153, 156 (18 ref.)
Vaccines in health strategies for developing countries—priorities and technology transfer. Shao JF. **Scand J Infect Dis Suppl** 1990;76:15–9 (7 ref.)
[Catheter sepsis: pathogeny and prevention with a new connection model] Segura M, et al. **Nutr Hosp** 1990 May–Jun;5(3):172–4 (17 ref.) (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Inflammatory diseases of the paranasal sinuses. Zizmor J, et al. **Otolaryngol Clin North Am** 1973 Jun;6(2):459–72 (4 ref.)
[Imaging of infections of the locomotor apparatus] Garcia J. **J Radiol** 1990 Dec;71(12):641–55 (23 ref.) **(Fre)**

RADIONUCLIDE IMAGING

Non-tumor applications of radioimmune imaging. Strauss HW, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):127–34 (25 ref.)
Diagnosing prosthetic joint infection [editorial; comment] Alazraki NP. **J Nucl Med** 1990 Dec;31(12):1955–7 (10 ref.) Comment on: J Nucl Med 1990 Dec;31(12):1950–5.

THERAPY

Immunomodulation by propionibacteria. Roszkowski W, et al. **Int J Med Microbiol** 1990 Dec;274(3):289–98 (63 ref.)
[Interleukin-1 and interleukin-2] Uhl D. **Med Monatsschr Pharm** 1990 Oct 10;13(10):298–302 (5 ref.) **(Ger)**

TRANSMISSION

The origin of major human infections and the crucial role of person-to-person spread. Mims CA. **Epidemiol Infect** 1991 Jun;106(3):423–33 (22 ref.)
Dissemination of human pathogens by airline travel. Masterton RG, et al. **Soc Appl Bacteriol Symp Ser** 1991; 20:31S–38S (44 ref.)
Transfusion-transmitted diseases other than AIDS and hepatitis. Bove JR. **Yale J Biol Med** 1990 Sep–Oct; 63(5):347–51 (20 ref.)

VETERINARY

Interferon immunomodulation in domestic food animals. Bielefeldt-Ohmann H, et al. **Adv Vet Sci Comp Med** 1990; 35:215–30 (89 ref.)
In vivo use of interleukins in domestic food animals. Blecha F. **Adv Vet Sci Comp Med** 1990;35:231–52 (98 ref.)
Rationale for using immunopotentiators in domestic food animals. Blecha F, et al. **Adv Vet Sci Comp Med** 1990; 35:3–19 (93 ref.)
Classical and new approaches to adjuvant use in domestic food animals. Dalsgaard K, et al. **Adv Vet Sci Comp Med** 1990;35:121–60 (232 ref.)
Chemically induced immunomodulation in domestic food animals. Kehrli ME Jr, et al. **Adv Vet Sci Comp Med** 1990; 35:103–19 (66 ref.)
A thymosin-tuftsin conjugate as a new potential immunomodulator in cattle. Khansari DN, et al. **Adv Vet Sci Comp Med** 1990;35:161–77 (56 ref.)
Mechanisms of action of some immunomodulators used in veterinary medicine. Quinn PJ. **Adv Vet Sci Comp Med** 1990;35:43–99 (174 ref.)
Nutritional modulation of immunity in domestic food animals. Reddy PG, et al. **Adv Vet Sci Comp Med** 1990;35:255–81 (144 ref.)
Model systems to study immunomodulation in domestic food animals. Roth JA, et al. **Adv Vet Sci Comp Med** 1990; 35:21–41 (95 ref.)
Pharmacokinetics and the dosage regimen of antimicrobial agents. Powers TE, et al. **Ann Rech Vet** 1990;21 Suppl 1:41S–45S (9 ref.)
Antimicrobial potentiation of irrigation solutions containing tris-[hydroxymethyl] aminomethane-EDTA. Ashworth CD, et al. **J Am Vet Med Assoc** 1990 Dec 1;197(11):1513–4 (20 ref.)
The behavior of sick animals. Hart BL. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):225–37 (65 ref.)
Applications of nucleic acid probes in veterinary infectious diseases. Paul PS. **Vet Microbiol** 1990 Sep;24(3–4):409–17 (61 ref.)
[Oxytetracycline and oral herd treatment: a literature review] Schaftenaar W, et al. **Tijdschr Diergeneeskd** 1990 Sep 15; 115(18):825–36 (54 ref.) (Eng. Abstr.) **(Dut)**
[The diseases of turtles] Jarofke D, et al. **Berl Munch Tierarztl Wochenschr** 1991 Jan 1;104(1):30–3 (60 ref.) (Eng. Abstr.) **(Ger)**

INFECTIOUS ARTERITIS VIRUS, EQUINE

Equine viral arteritis. Huntington PJ, et al. **Aust Vet J** 1990 Dec;67(12):429–31 (39 ref.)

INFECTIOUS BURSAL AGENT

PHYSIOLOGY

[Effect of viral structure and replication characteristics on the pathogenesis of infectious bursal disease] Müller H. **Berl Munch Tierarztl Wochenschr** 1991 Apr 1;104(4):113–7 (30 ref.) (Eng. Abstr.) **(Ger)**

INFECTIOUS DISEASES see **COMMUNICABLE DISEASES**

INFECTIOUS HUMAN WART VIRUS see **PAPILLOMAVIRUSES**

INFECTIOUS MONONUCLEOSIS

Infectious mononucleosis in adolescents. Chetham MM, et al. **Pediatr Ann** 1991 Apr;20(4):206–13 (15 ref.)

COMPLICATIONS

Spontaneous splenic rupture following infectious mononucleosis. Safran D, et al. **Am Surg** 1990 Oct; 56(10):601–5 (24 ref.)
Gastrointestinal motor dysfunction in acquired selective cholinergic dysautonomia associated with infectious mononucleosis. Vassallo M, et al. **Gastroenterology** 1991 Jan;100(1):252–8 (35 ref.)
Infectious mononucleosis with airway obstruction and multiple cranial nerve paresis. Maddern BR, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):529–32 (22 ref.)
Ocular disease associated with Epstein-Barr virus infection. Matoba AY. **Surv Ophthalmol** 1990 Sep–Oct;35(2):145–50 (59 ref.)
[Acute kidney failure in infectious mononucleosis] Ramelli GP, et al. **Schweiz Med Wochenschr** 1990 Oct 27; 120(43):1590–4 (40 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Infectious mononucleosis in older adults. Axelrod P, et al. **Am Fam Physician** 1990 Dec;42(6):1599–606 (40 ref.)

INFECTIOUS MONONUCLEOSIS-LIKE SYNDROME, CHRONIC see **FATIGUE SYNDROME, CHRONIC**

INFECTIOUS MONONUCLEOSIS VIRUS see **EPSTEIN-BARR VIRUS**

INFERIOR COLLICULUS

PHYSIOLOGY

The descending auditory pathway and acousticomotor systems: connections with the inferior colliculus. Huffman RF, et al. **Brain Res Brain Res Rev** 1990 Sep–Dec; 15(3):295–323 (337 ref.)

INFERIOR VENA CAVA FILTERS see **VENA CAVA FILTERS**

INFERTILITY

DRUG THERAPY

Synergistic effect of growth hormone and gonadotropins in achieving conception in "clonidine-negative" patients with unexplained infertility. Blumenfeld Z, et al. **Ann N Y Acad Sci** 1991;626:250–65 (51 ref.)
The role of superovulation with menotropins in ovulatory infertility: a review [see comments] Corsan GH, et al. **Fertil Steril** 1991 Mar;55(3):468–77 (99 ref.) Comment in: Fertil Steril 1991 Mar;55(3):478–80.

EPIDEMIOLOGY

Epidemiology of infertility. Gray RH. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):154–8 (13 ref.)

ETIOLOGY

The right weight: body fat, menarche and ovulation. Frisch RE. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):419–39 (86 ref.)

GENETICS

Engineering plant male sterility using a cell-restricted cytotoxin. Lichtenstein C. **Trends Biochem Sci** 1990 Dec; 15(12):453–4 (8 ref.)

IMMUNOLOGY

Reproductive immunology: relevance to infertility practice. Alexander NJ. **Arch Immunol Ther Exp (Warsz)** 1990; 38(1–2):23–30 (45 ref.)
Immunologic basis of reproductive failure. Tung KS, et al. **Monogr Pathol** 1991;(33):308–33 (139 ref.)

PATHOLOGY

Role of the pathologist in the evaluation of infertility: current practice and future developments. Kraus FT. **Monogr Pathol** 1991;(33):334–48 (59 ref.)

THERAPY

Therapeutic intrauterine insemination (TII)—controversial treatment for infertility. Irianni FM, et al. **Arch Androl** 1990;25(2):147–67 (73 ref.)
Implantation failure: clinical aspects. Yovich J, et al. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):211–52 (114 ref.)
Indications for assisted conception. Hull MG. **Br Med Bull** 1990 Jul;46(3):580–95 (36 ref.)
Controlled ovarian hyperstimulation and intrauterine insemination for treatment of infertility [see comments] Dodson WC, et al. **Fertil Steril** 1991 Mar;55(3):457–67 (76 ref.) Comment in: Fertil Steril 1991 Mar;55(3):478–80.
New reproductive technologies. **Int J Gynaecol Obstet** 1991 Jul;35(3):274–8 (19 ref.)

ULTRASONOGRAPHY

Ultrasound imaging—2000: assessment of utero-ovarian blood flow with transvaginal color Doppler sonography; potential clinical applications in infertility. Fleischer AC. **Fertil Steril** 1991 Apr;55(4):684–91 (12 ref.)

VETERINARY

[Consequences of abnormalities of chromosome structure in domestic animals] Popescu CP. **Reprod Nutr Dev** 1990; Suppl 1:105s–116s (19 ref.) (Eng. Abstr.) **(Fre)**

INFERTILITY, FEMALE

COMPLICATIONS

Role of peritoneal inflammation in endometriosis-associated infertility. Halme J. **Ann N Y Acad Sci** 1991;622:266–74 (51 ref.)

DIAGNOSIS

Luteal-phase defect. Cook CL. **Clin Obstet Gynecol** 1991 Mar;34(1):198–210 (75 ref.)
[Current diagnostic and therapeutic procedures in reproduction medicine. Salpingoscopy and surgical hysteroscopy] Campo RL, et al. **Gynakologe** 1990 Aug; 23(4):214–21 (39 ref.) **(Ger)**

DRUG THERAPY

The use of GnRH agonists with hMG for induction or stimulation of ovulation. Hedon B, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):575–87 (52 ref.)
Human gonadotrophins. Nilsson L, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):503–18 (31 ref.)
Glucocorticoid therapy in hyperandrogenism. Steinberger E, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):457–71 (55 ref.)
Current treatment strategies for luteal phase deficiency. Daly DC. **Clin Obstet Gynecol** 1991 Mar;34(1):222–31 (34 ref.)
Medical treatment of mild endometriosis associated with infertility. Candiani GB, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 Feb 25;38(3):169–80

(101 ref.)
GnRH analogs in reproductive medicine. Hodgen GD.
Keio J Med 1991 Mar;40(1):25–32 (26 ref.)
[Contribution of pure FSH in ovulation induction excluding fertilization in vitro] Buvat J, et al.
Rev Fr Gynecol Obstet 1991 Feb 15;86(2):91–6 (29 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Surgical management of tubal factor infertility. James C, et al. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):200–6 (21 ref.)
Cervical factors in infertility. Mettler L.
Curr Opin Obstet Gynecol 1990 Apr;2(2):193–9 (8 ref.)
Endometriosis and infertility. el-Roeiy A, et al.
Curr Opin Obstet Gynecol 1990 Apr;2(2):166–72 (16 ref.)
Corpus luteum defects. Shapiro SS, et al.
Curr Opin Obstet Gynecol 1990 Apr;2(2):159–65 (20 ref.)
Uterine causes of infertility. Siegler AM.
Curr Opin Obstet Gynecol 1990 Apr;2(2):173–81 (12 ref.)
Ovulatory disorders and infertility in women with regular menstrual cycles. Wu CH. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):398–404 (17 ref.)
Sexually transmitted diseases, pelvic inflammatory disease, and infertility: an epidemiologic update. Cates W Jr, et al. **Epidemiol Rev** 1990;12:199–220 (178 ref.)
Genital tuberculosis and subsequent fertility. Varma TR.
Int J Gynaecol Obstet 1991 May;35(1):1–11 (38 ref.)
Stress-related reproductive failure. Barnea ER, et al.
J In Vitro Fert Embryo Transf 1991 Feb;8(1):15–23 (52 ref.)
Magnetic resonance imaging in the evaluation of infertile women. McCarthy S. **Magn Reson Q** 1990 Oct;6(4):239–49 (53 ref.)
Mild endometriosis and infertility: a critical review of epidemiologic data, diagnostic pitfalls, and classification limits. Candiani GB, et al. **Obstet Gynecol Surv** 1991 Jun; 46(6):374–82 (70 ref.)
Conservative surgical treatment for severe endometriosis in infertile women: are we making progress? Candiani GB, et al. **Obstet Gynecol Surv** 1991 Jul;46(7):490–8 (91 ref.)
Asymptomatic mild endometriosis in infertile women: the case for expectant management. Maouris P.
Obstet Gynecol Surv 1991 Aug;46(8):548–51 (25 ref.)
Genital infections and reproductive health: infertility and morbidity of mother and child in developing countries. Bergström S. **Scand J Infect Dis Suppl** 1990;69:99–105 (48 ref.)
Pelvic inflammatory disease and related disorders; novel observations. Mårdh PA. **Scand J Infect Dis Suppl** 1990; 69:83–7 (25 ref.)
Transcervical salpingoplasty: current techniques and results. Darcy MD, et al. **Urol Radiol** 1991;13(1):74–9 (27 ref.)
[Changes in the peritoneal effusion in endometriosis and infertility] Shen L, et al. **Chung Hua I Hsueh Tsa Chih** 1991 May;71(5):296–8 (25 ref.) **(Chi)**
[Infertility and a mild degree of endometriosis] Trap R, et al. **Nord Med** 1991;106(1):19–22 (15 ref.) (Eng. Abstr.) **(Dan)**
[Exogenous modification of reproductive disorders; more questions than facts] Zielhuis GA, et al.
Ned Tijdschr Geneeskd 1991 Jun 22;135(25):1117–20 (45 ref.) **(Dut)**
[Hirsutism and androgenic menstrual cycle irregularities] Carol W, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25; 85(3–4):153–7 (9 ref.) **(Ger)**
[Interactions between the reproductive and immune systems] Kurpisz M. **Postepy Hig Med Dosw** 1989;43(5–6):365–409 (155 ref.) (Eng. Abstr.) **(Pol)**
[Endocrine pathology frequently associated with sterility. Summarizing studies] Gajá Rodriguez OV, et al.
Ginecol Obstet Mex 1987 Apr;55:91–7 (41 ref.) (Eng. Abstr.) **(Spa)**
[Diagnostic and therapeutic management and results of the neuroendocrine factor in sterility] Nava y Sánchez RM, et al. **Ginecol Obstet Mex** 1991 Mar;59:75–80 (39 ref.) (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Genital chlamydial infections: epidemiology and reproductive sequelae. Cates W Jr, et al.
Am J Obstet Gynecol 1991 Jun;164(6 Pt 2):1771–81 (124 ref.)

PATHOLOGY

Pathology of gamete and zygote transport: cervical, endometrial, myometrial, and tubal factors in infertility. Clement PB. **Monogr Pathol** 1991;(33):140–94 (319 ref.)
Ovarian pathology of infertility. Young RH, et al.
Monogr Pathol 1991;(33):104–39 (118 ref.)

PHYSIOPATHOLOGY

The prevalence and epidemiology of luteal-phase deficiency in normal and infertile women. Olive DL.
Clin Obstet Gynecol 1991 Mar;34(1):157–66 (31 ref.)
Current concepts of beta-endorphin physiology in female reproductive dysfunction. Seifer DB, et al. **Fertil Steril** 1990 Nov;54(5):757–71 (178 ref.)
[Endocrinological diagnosis of normocyclic functional sterility] Moltz L, et al. **Ther Umsch** 1990 Dec; 47(12):926–36 (68 ref.) (Eng. Abstr.) **(Ger)**
[Unruptured luteinized follicle syndrome] Mardesic T.
Zentralbl Gynakol 1990;112(18):1133–41 (42 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

[The psychological status of women with frustrated wish for children] Rechenberger I. **Gynakologe** 1990 Aug; 23(4):222–7 (30 ref.) **(Ger)**

RADIOGRAPHY

Hysterosalpingography. Karasick S. **Urol Radiol** 1991; 13(1):67–73 (23 ref.)

SURGERY

Management of tubal infertility in the 1990s. Reiss H.
Br J Obstet Gynaecol 1991 Jul;98(7):619–23 (58 ref.)

THERAPY

Human oocyte and preembryo donation: an evolving method for the treatment of infertility. Sauer MV, et al.
Am J Obstet Gynecol 1990 Nov;163(5 Pt 1):1421–4 (19 ref.)
[Indications for and results of in-vitro fertilization (IVF), intratubal gamete- (GIFT) and embryo transfer (EIFT)] Diedrich K, et al. **Gynakologe** 1990 Aug;23(4):186–95 (33 ref.) **(Ger)**
[Gynecologic-andrologic interaction. Childlessness as long-term problem] Freundl G, et al. **Gynakologe** 1990 Aug;23(4):209–13 (21 ref.) **(Ger)**
[Clinical evaluation of newer procedures in reproduction medicine] Hepp H, et al. **Gynakologe** 1990 Aug; 23(4):228–36 (60 ref.) **(Ger)**

ULTRASONOGRAPHY

Transvaginal sonography in infertility and assisted reproduction. Blumenfeld Z, et al. **Obstet Gynecol Surv** 1991 Jan;46(1):36–49 (49 ref.)
Infertility diagnosis by ultrasound. Sanders RC.
Urol Radiol 1991;13(1):41–7 (14 ref.)
[Ultrasonics in infertility] Martin M.
Rev Chil Obstet Ginecol 1988;53(4):238–42 (0 ref.) **(Spa)**

VETERINARY

Permanent infertility in ewes exposed to plant oestrogens. Adams NR. **Aust Vet J** 1990 Jun;67(6):197–201 (39 ref.)
Clinical approach to infertility in the cycling bitch. Freshman JL. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):427–35 (29 ref.)
Clinical approach to infertility in bitches with primary anestrus. Johnston SD.
Vet Clin North Am Small Anim Pract 1991 May;21(3):421–5 (22 ref.)

INFERTILITY, MALE

Male infertility: a challenge for primary health care providers. Loriaux TC. **Nurse Pract** 1991 Mar;16(3):38, 41–2, 45 (13 ref.)
[Male infertility] Katayama T.
Nippon Hinyokika Gakkai Zasshi 1990 Sep;81(9):1287–301 (106 ref.) **(Jpn)**

BLOOD

[Age-related changes in plasma androstanediol glucuronide in men] Nahoul K, et al. **Pathol Biol (Paris)** 1990 Nov; 38(9):928–34 (47 ref.) (Eng. Abstr.) **(Fre)**
[Correlation of serum prolactin, sperm count and motility. Prevalence of hyperprolactinemia in the infertile male] Soler Fernández JM, et al. **Arch Esp Urol** 1990 Oct; 43(8):891–5 (30 ref.) (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Antibiotics: potential hazards to male fertility. Schlegel PN, et al. **Fertil Steril** 1991 Feb;55(2):235–42 (41 ref.)

DIAGNOSIS

[Andrological study methods and therapeutic principles in male sterility factors] Haidl G, et al. **Gynakologe** 1990 Aug; 23(4):203–8 (46 ref.) **(Ger)**
[Combination of various sperm tests yields a good picture of fertilization capacity] Gottlieb C. **Lakartidningen** 1990 Dec 19;87(51–52):4451–3 (14 ref.) **(Swe)**

DRUG THERAPY

Guidelines for drug treatment of male infertility. Haidl G, et al. **Drugs** 1991 Jan;41(1):60–8 (37 ref.)
[Treatment of male idiopathic sterility with gonadotropin] Conte D, et al. **Minerva Endocrinol** 1990 Jan–Mar; 15(1):91–4 (18 ref.) (Eng. Abstr.) **(Ita)**
[Drug treatment of male infertility] García Díez LC, et al. **Med Clin (Barc)** 1990 Jun 2;95(1):27–37 (143 ref.) **(Spa)**

ETIOLOGY

Hypothesis to explain subfertile semen. Zorgniotti AW.
Adv Exp Med Biol 1991;286:221–3 (5 ref.)
Evaluation and treatment of a male factor component to unexplained infertility. Check JH, et al. **Arch Androl** 1990; 25(3):199–211 (51 ref.)
Diabetes mellitus/male infertility. Dinulovic D, et al.
Arch Androl 1990;25(3):277–93 (99 ref.)
Sperm nuclear stability and male infertility. Jager S.
Arch Androl 1990;25(3):253–9 (48 ref.)
The pathophysiology of varicocele in male infertility. Takihara H, et al. **Fertil Steril** 1991 May;55(5):861–8 (35 ref.)
Male infertility following spinal cord injury. Linsenmeyer TA. **J Am Paraplegia Soc** 1991 Jul;14(3):116–21 (48 ref.)
[Undescended testes. Current state of knowledge] Desgrandchamps F. **J Urol (Paris)** 1990;96(8):407–14 (58 ref.) (Eng. Abstr.) **(Fre)**
[Incidence of structural chromosomal abnormalities in spermatogenesis in man] Luciani JM, et al.
Reprod Nutr Dev 1990;Suppl 1:95s–103s (49 ref.) (Eng. Abstr.) **(Fre)**
[Diagnosis of fertility] Weidner W, et al. **Urologe [A]** 1991 Mar;30(2):W9–18 (16 ref.) **(Ger)**
[Varicocele and male sterility] Piacentino R, et al.
Minerva Ginecol 1991 May;43(5):241–3 (28 ref.) (Eng. Abstr.) **(Ita)**
[Interactions between the reproductive and immune systems] Kurpisz M. **Postepy Hig Med Dosw** 1989;43(5–6):365–409 (155 ref.) (Eng. Abstr.) **(Pol)**
[Male infertility] Glina S. **AMB Rev Assoc Med Bras** 1990 Jan–Mar;36(1):53–8 (27 ref.) **(Por)**
[Deviant ejaculation sequence can be cause of infertility] Kvist U. **Lakartidningen** 1990 Dec 19;87(51–52):4454–5 (10 ref.) **(Swe)**

GENETICS

Chromosome abnormalities and gamete production in man. Fraccaro M. **Differentiation** 1983;23 Suppl:S40–3 (12 ref.)
A sterile male with 45,X0 and a Y;22 translocation. Arnemann J, et al. **Hum Genet** 1991 Jun;87(2):134–8 (54 ref.)
Cytogenetic studies in male infertility: a review. De Braekeleer M, et al. **Hum Reprod** 1991 Feb;6(2):245–50 (86 ref.)

IMMUNOLOGY

Cell-mediated immunity and inflammatory processes in male infertility. Anderson DJ.
Arch Immunol Ther Exp (Warsz) 1990;38(1–2):79–86 (30 ref.)
Immunologic studies of male infertility. Andrada JA, et al.
Immunol Ser 1990;52:345–78 (191 ref.)
[Immunological causes of male infertility] Hassoun S, et al. **Allerg Immunol (Paris)** 1991 Apr;23(4):121–5 (18 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Histology of the fertile and infertile testis. Wheeler JE.
Monogr Pathol 1991;(33):56–103 (220 ref.)

PHYSIOPATHOLOGY

Evaluation of human sperm function. Aitken RJ.
Br Med Bull 1990 Jul;46(3):654–74 (51 ref.)
Male reproductive function: a review on sperm fertilising ability and infertility. Mbizvo MT, et al.
Cent Afr J Med 1991 Feb;37(2):40–7 (53 ref.)
Endocrinology of male fertility and infertility. Schlaff WD, et al. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):412–7 (24 ref.)
Clinical relevance of evaluation of sperm and ova. Zamboni L. **Monogr Pathol** 1991;(33):10–31 (43 ref.)

SURGERY

[Role of plastic surgery in male sterility] Scuderi N, et al. **G Chir** 1989 Mar;10(3):128–30 (15 ref.) (Eng. Abstr.) **(Ita)**

THERAPY

Noninvasive techniques for improving fertility potential of retrograde ejaculates. Check JH, et al. **Arch Androl** 1990; 25(3):271–6 (20 ref.)
New approaches to treatment of male infertility. Blasco L.
Curr Opin Obstet Gynecol 1990 Apr;2(2):207–12 (19 ref.)
Male factor and in vitro fertilization. Vande Voort CA, et al. **Curr Opin Obstet Gynecol** 1989 Oct;1(1):60–6 (16 ref.)
Zona drilling: a new approach to male infertility. Gordon JW. **J In Vitro Fert Embryo Transf** 1990 Oct;7(5):223–8 (25 ref.)
[Gynecologic-andrologic interaction. Childlessness as long-term problem] Freundl G, et al. **Gynakologe** 1990 Aug;23(4):209–13 (21 ref.) **(Ger)**
[AIH in male infertility due to retrograde ejaculation after retroperitoneal lymph node dissection] Umekawa T, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Mar;82(3):492–5 (11 ref.) (Eng. Abstr.) **(Jpn)**

ULTRASONOGRAPHY

Infertility diagnosis by ultrasound. Sanders RC.
Urol Radiol 1991;13(1):41–7 (14 ref.)

VETERINARY

Clinical approach to infertile male dogs with sperm in the ejaculate. Meyers-Wallen VN.
Vet Clin North Am Small Anim Pract 1991 May; 21(3):609–33 (53 ref.)

Clinical approach for evaluating dogs with azoospermia or aspermia. Olson PN.
Vet Clin North Am Small Anim Pract 1991 May; 21(3):591–608 (54 ref.)

INFLAMMATION

The immune response. 2. Systemic mediators of inflammation. Emery P, et al. **Br J Hosp Med** 1991 Mar;45(3):164–8 (39 ref.)

The inflammatory basis of rhinitis. Pipkorn U.
Rhinol Suppl 1991;11:5–11 (23 ref.)

[Inflammation and rejection] Chatenoud L, et al.
Nephrologie 1990;11(4):189–93 (7 ref.) (Eng. Abstr.) **(Fre)**

BLOOD

Leukocyte adhesion in host defense and tissue injury. Patarroyo M. **Clin Immunol Immunopathol** 1991 Sep; 60(3):333–48 (49 ref.)

The phenomenon of leukergy (leukocyte adhesiveness/aggregation): a powerful investigative tool and a sensitive indicator of inflammation, trauma and stress. Berliner S, et al. **Isr J Med Sci** 1991 Mar;27(3):164–72 (98 ref.)

Selectins: novel receptors that mediate leukocyte adhesion during inflammation. McEver RP. **Thromb Haemost** 1991 Mar 4;65(3):223–8 (77 ref.)

[Measurement of C-reactive protein gives valuable information in patients with all types of inflammation] Husebekk A. **Tidsskr Nor Laegeforen** 1991 Apr 10; 111(9):1127–9 (28 ref.) (Eng. Abstr.) **(Nor)**

CHEMICALLY INDUCED

[Induced inflammation in human normal skin. II. Techniques of objective evaluation] Duteil L, et al.
Ann Dermatol Venereol 1991;118(4):339–46 (49 ref.) **(Fre)**

[Induced inflammation in normal human skin. I. Value, methods and results] Queille-Roussel C, et al.
Ann Dermatol Venereol 1991;118(4):329–37 (51 ref.) **(Fre)**

COMPLICATIONS

Immune activation and the anaemia associated with chronic inflammatory disorders. Fuchs D, et al.
Eur J Haematol 1991 Feb;46(2):65–70 (51 ref.)

Inflammation in the course of early myocardial ischemia. Entman ML, et al. **FASEB J** 1991 Aug;5(11):2529–37 (80 ref.)

[Inflammation: a major role in the occurrence of bronchospasm] Vergnenegre A, et al.
Allerg Immunol (Paris) 1990 Dec;22(10):405–10 (29 ref.) (Eng. Abstr.) **(Fre)**

[Acquired post-inflammatory cutis laxa] Yedomon HG, et al. **Ann Dermatol Venereol** 1990;117(8):547–8 (13 ref.) (Eng. Abstr.) **(Fre)**

[What is your diagnosis? Post-inflammatory acquired generalized Cutis laxa] Berthod F, et al. **Pediatrie** 1991; 46(2):147–8 (11 ref.) **(Fre)**

[Heparin therapy of disseminated intravascular coagulation in pyo-inflammatory diseases in children] Dmitriev VV. **Anesteziol Reanimatol** 1991 Jan–Feb;(1):69–72 (63 ref.) **(Rus)**

DIAGNOSIS

Systemic inflammatory disease and the eye. Stanford M, et al. **Br J Hosp Med** 1990 Aug;44(2):100–5 (9 ref.)

DIET THERAPY

Potential of parenteral and enteral nutrition in inflammation and immune dysfunction: a new challenge for dietitians [published erratum appears in J Am Diet Assoc 1991 Aug;91(8):913] Haw MP, et al. **J Am Diet Assoc** 1991 Jun; 91(6):701–6, 709 (78 ref.)

DRUG THERAPY

Efficacy of vitamin E as a drug in inflammatory joint diseases. Schmidt KH, et al. **Adv Exp Med Biol** 1990;264:147–50 (2 ref.)

[Nonsteroidal antiphlogistic drugs. Development of current knowledge of the mechanism of action] Hirschelmann R. **Med Monatsschr Pharm** 1991 Apr;14(4):100–8 (51 ref.) **(Ger)**

ENZYMOLOGY

Phospholipase A2 activation is the pivotal step in the effector pathway of inflammation. Vadas P, et al.
Adv Exp Med Biol 1990;275:83–101 (85 ref.)

Mobilization and function of extracellular phospholipase A2 in inflammation. Weiss J, et al. **Adv Exp Med Biol** 1990; 275:103–13 (29 ref.)

ETIOLOGY

Interleukins and tumor necrosis factor in inflammation. Warren JS. **Crit Rev Clin Lab Sci** 1990;28(1):37–59 (202 ref.)

Lipopolysaccharides of oral anaerobes associated with chronic inflammation: chemical and immunomodulating properties. Hamada S, et al. **Int Rev Immunol** 1990; 6(4):247–61 (120 ref.)

The role of keratinocyte cytokines in inflammation and immunity. McKenzie RC, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):105S–107S (50 ref.)

Dietary omega-3 fatty acids: effects on lipid mediators of inflammation and rheumatoid arthritis. Sperling RI.
Rheum Dis Clin North Am 1991 May;17(2):373–89 (55 ref.)

The role of endothelial cells in inflammation. Pober JS, et al. **Transplantation** 1990 Oct;50(4):537–44 (69 ref.)

[The terminal complement complex (TCC)—a mediator in the development of disease in man?] Garred P.
Ugeskr Laeger 1991 Jan 28;153(5):351–3 (30 ref.) (Eng. Abstr.) **(Dan)**

[Unexplained fever or inflammatory syndrome. Diagnostic value of liver puncture-biopsy] Henrion J, et al.
Presse Med 1991 Mar 16;20(10):461–4 (22 ref.) (Eng. Abstr.) **(Fre)**

[Cytokines and inflammation] Matache C, et al.
Rev Ig [Bacteriol] 1990 Jan–Mar;35(1):87–94 (8 ref.) **(Rum)**

[The involvement of eicosanoids in the pathogenesis of inflammatory granuloma] Mihai N.
Rev Ig Med Muncii Med Soc Bacteriol Virusol Parazitol Epidemiol Pneumoftiziol Pneumoftiziol 1990 Jan–Mar; 39(1):83–6 (17 ref.) **(Rum)**

[Pathogenetic principles of the diagnosis of chronic inflammation] Maianskiĭ DN.
Vestn Akad Med Nauk SSSR 1991;(3):50–5 (32 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Inflammatory indices in chronic bronchitis. Monocyte-macrophage microbicidal activity. Nielson H.
Agents Actions Suppl 1990;30:213–8 (14 ref.)

T cells, IgE antibodies, cytokines and allergic inflammation. Del Prete G, et al. **Allerg Immunol (Paris)** 1991 Jun; 23(6):239–43 (22 ref.)

Enhanced inflammatory reactivity in the pathogenesis of spondyloarthropathies. Repo H, et al. **Autoimmunity** 1990; 7(4):245–54 (55 ref.)

Interferon-gamma: mechanism of action and therapeutic potential. Billiau A, et al. **Biochem Pharmacol** 1990 Oct 1;40(7):1433–9 (60 ref.)

Role of colony-stimulating factors in leucocyte responses to inflammation and infection. Vadas MA, et al.
Curr Opin Immunol 1991 Feb;3(1):97–104 (81 ref.)

Heat shock proteins and inflammation. Polla BS, et al.
Curr Top Microbiol Immunol 1991;167:93–105 (44 ref.)

Macrophage products in inflammation. Keshav S, et al.
Diagn Microbiol Infect Dis 1990 Sep–Oct;13(5):439–47 (62 ref.)

Tumour necrosis factor/cachectin: biology and relevance to disease. Das UN. **J Assoc Physicians India** 1991 Feb; 39(2):201–4 (38 ref.)

Role of CR3 in induced myelomonocytic recruitment: insights from in vivo monoclonal antibody studies in the mouse. Rosen H. **J Leukoc Biol** 1990 Nov;48(5):465–9 (39 ref.)

Adhesion molecules and their role in inflammation. Montefort S, et al. **Respir Med** 1991 Mar;85(2):91–9 (46 ref.)

[Inflammation as a basic biological mode of reaction] Lorenzen I. **Ugeskr Laeger** 1990 Dec 10;152(50):3788–91 (25 ref.) (Eng. Abstr.) **(Dan)**

[TNF: antitumoral agent at the border lines of immunity and inflammation] Branellec D, et al. **Pathol Biol (Paris)** 1991 Mar;39(3):230–9 (93 ref.) (Eng. Abstr.) **(Fre)**

[Action of non-steroidal anti-inflammatory agents on the immune system] Cortet B, et al.
Rev Rhum Mal Osteoartic 1991 May;58(5):379–86 (26 ref.) (Eng. Abstr.) **(Fre)**

[Current overview of diagnostic possibilities of complement analysis] Nydegger U. **Wien Med Wochenschr Suppl** 1990; 107:12–22 (3 ref.) (Eng. Abstr.) **(Ger)**

[Leukocyte adhesion: a fundamental process in immunologic and inflammatory reactions] Patarroyo M, et al.
Lakartidningen 1991 Jan 16;88(3):120–2 (3 ref.) (Eng. Abstr.) **(Swe)**

METABOLISM

Oxidants, joint inflammation and anti-inflammatory strategies. Dowling EJ, et al. **Adv Exp Med Biol** 1990; 264:463–74 (77 ref.)

Inflammation and oxidative stress in carcinogenesis. Cerutti PA, et al. **Cancer Cells** 1991 Jan;3(1):1–7 (76 ref.)

Two burgeoning families of platelet factor 4-related proteins: mediators of the inflammatory response. Stoeckle MY, et al. **New Biol** 1990 Apr;2(4):313–23 (85 ref.)

Oxygen radicals, inflammation, and arthritis: pathophysiological considerations and implications for treatment. Greenwald RA. **Semin Arthritis Rheum** 1991 Feb;20(4):219–40 (173 ref.)

[Lysosomal cationic proteins in neutrophilic granulocytes during phagocytosis and inflammation] Kokriakov VN.
Vopr Med Khim 1990 Nov–Dec;36(6):13–6 (37 ref.) (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Microbial pathogenicity factors and host defense mechanisms--parameters of post-traumatic infections] Schlüter B, et al. **Immun Infekt** 1991 Apr;19(2):50–4 (42 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Exudative indices in airways inflammation. Persson CG.
Agents Actions Suppl 1990;30:243–55 (26 ref.)

Which markers of inflammation should be used in therapeutic intervention studies of CB/COAD? Venge P, et al.
Agents Actions Suppl 1990;30:289–94 (0 ref.)

Sustained arterial injury and progression of atherosclerosis. Sueishi K, et al. **Ann N Y Acad Sci** 1990;598:223–31 (22 ref.)

PHYSIOPATHOLOGY

Eicosanoids as mediators and modulators of inflammation. Hedqvist P, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1991; 21B:537–43 (16 ref.)

Role of prostaglandins E in inflammation and immune responses. Zurier RB.
Adv Prostaglandin Thromboxane Leukotriene Res 1991; 21B:947–53 (37 ref.)

Electrophysiological mechanisms in inflammatory pain. Handwerker HO. **Agents Actions Suppl** 1991;32:91–9 (18 ref.)

Cellular and molecular mechanisms of cytokine networking. Kunkel S, et al. **Agents Actions Suppl** 1991;32:205–18 (24 ref.)

Immunology, inflammation and asthma [editorial] Palma-Carlos AG. **Allerg Immunol (Paris)** 1991 Jun; 23(6):232–3 (0 ref.)

Inflammation and cell-cell interactions in airway hyperresponsiveness. Leff AR, et al. **Am J Physiol** 1991 Apr;260(4 Pt 1):L189–206 (189 ref.)

Mast cell/nerve interactions in vitro and in vivo. Bienenstock J, et al. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S55–8 (49 ref.)

Modulation of neurogenic inflammation by neutral endopeptidase. Nadel JA, et al. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S33–6 (47 ref.)

Neutrophil mechanisms. Parker CW. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S59–60 (25 ref.)

VIP as a modulator of lung inflammation and airway constriction. Said SI. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S22–4 (50 ref.)

Endothelium and inflammation. Piovella F, et al.
Ann Cardiol Angeiol (Paris) 1991 May;40(5):255–8 (21 ref.)

Regulation of the adhesion of neutrophils to endothelium. Vadas MA, et al. **Biochem Pharmacol** 1990 Oct 15; 40(8):1683–7 (49 ref.)

Inflammatory mediators in atherosclerosis. Parums DV.
Biochem Soc Trans 1990 Dec;18(6):1069–72 (27 ref.)

The contribution of the nervous system to inflammation and inflammatory disease. Basbaum AI, et al.
Can J Physiol Pharmacol 1991 May;69(5):647–51 (35 ref.)

Resolution of inflammation. A perspective. Henson PM.
Chest 1991 Mar;99(3 Suppl):2S–6S (40 ref.)

Inflammatory processes and bronchial hyperresponsiveness. Holgate ST, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:30–6 (15 ref.)

The role of platelet-activating factor in inflammation. Camussi G, et al. **Clin Immunol Immunopathol** 1990 Dec; 57(3):331–8 (69 ref.)

Circulating extracellular matrix components as markers for connective tissue response to inflammation. A clinical and experimental study with special emphasis on serum aminoterminal type III procollagen peptide in rheumatic diseases. Hørslev-Petersen K. **Dan Med Bull** 1990 Aug; 37(4):308–29 (248 ref.)

Neutral endopeptidase modulates neurogenic inflammation. Nadel JA. **Eur Respir J** 1991 Jun;4(6):745–54 (86 ref.)

Phospholipase A2--a mediator between proximal and distal effectors of inflammation. Pruzanski W, et al.
Immunol Today 1991 May;12(5):143–6 (58 ref.)

Lectin cell adhesion molecules (LEC-CAMs): a new family of cell adhesion proteins involved with inflammation. Lasky LA. **J Cell Biochem** 1991 Feb;45(2):139–46 (41 ref.)

Immune and inflammatory processes in cutaneous tissues. Mechanisms and speculations [published erratum appears in J Clin Invest 1991 Feb;87(2):753] Kupper TS.
J Clin Invest 1990 Dec;86(6):1783–9 (45 ref.)

Botanical lipids: potential role in modulation of immunologic responses and inflammatory reactions. Callegari PE, et al.
Rheum Dis Clin North Am 1991 May;17(2):415–25 (58 ref.)

Eicosanoids and modulation of inflammatory and immune responses. Palmblad J. **Scand J Clin Lab Invest Suppl** 1990; 202:168–71 (24 ref.)

[Study of inflammatory reaction] Willemin B, et al.
Ann Med Interne (Paris) 1990;141(4):333–9 (39 ref.) **(Fre)**

[Interleukin-1 and other proinflammatory cytokines] Miossec P. **Pediatrie** 1991;46(2):135–9 (18 ref.) (Eng. Abstr.) **(Fre)**

[Metals, inflammation and rheumatoid polyarthritis] Cutolo M, et al. **Rev Rhum Mal Osteoartic** 1990 Dec;57(12):895–8 (22 ref.) **(Fre)**

[Hemostasis, fibrinolysis, proteolysis: interaction with inflammatory reactions] Römisch J, et al.
Behring Inst Mitt 1990 Oct;(86):129–45 (64 ref.) (Eng. Abstr.) **(Ger)**

[Intercellular function of eicosanoids] Goerig M.

Verh Dtsch Ges Inn Med 1990;96:683–5 (8 ref.) **(Ger)**

VETERINARY

Avian inflammatory response: mediation by macrophages. Klasing KC. **Poult Sci** 1991 May;70(5):1176–86 (68 ref.)

INFLAMMATORY BOWEL DISEASES

Inflammatory bowel disease (1). Podolsky DK. **N Engl J Med** 1991 Sep 26;325(13):928–37 (112 ref.)

COMPLICATIONS

Lower gastrointestinal bleeding in inflammatory bowel disease. Farmer RG. **Gastroenterol Jpn** 1991 Jul;26 Suppl 3:93–100 (22 ref.)

Treatment of perianal pathology in inflammatory bowel disease. van der Sluis RF, et al. **Neth J Med** 1989 Jun;35 Suppl 1:S50–3 (25 ref.)

Hepatobiliary abnormalities in inflammatory bowel disease. van Erpecum KJ, et al. **Neth J Med** 1989 Jun;35 Suppl 1:S40–9 (66 ref.)

Relationship of inflammatory bowel disease and primary sclerosing cholangitis. Fausa O, et al. **Semin Liver Dis** 1991 Feb;11(1):31–9 (49 ref.)

DIAGNOSIS

Inflammatory bowel disease in older people. Lashner BA, et al. **Clin Geriatr Med** 1991 May;7(2):287–99 (34 ref.)

DRUG THERAPY

Current drug therapy for inflammatory bowel disease. Ogorek CP, et al. **Compr Ther** 1991 Apr;17(4):31–7 (18 ref.)

Risk–benefit assessment of drugs used in the treatment of inflammatory bowel disease. Hanauer SB, et al. **Drug Saf** 1991 May–Jun;6(3):192–219 (264 ref.)

Olsalazine. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in inflammatory bowel disease. Wadworth AN, et al. **Drugs** 1991 Apr;41(4):647–64 (96 ref.)

Acute treatment of inflammatory bowel disease, prednisolone: dosage and duration. Hawkey CJ. **Neth J Med** 1989 Jun;35 Suppl 1:S21–6 (37 ref.)

Eicosanoids and inflammatory bowel disease: regulation and prospects for therapy. Fretland DJ, et al. **Prostaglandins Leukot Essent Fatty Acids** 1990 Dec; 41(4):215–33 (293 ref.)

Sulphasalazine and the aminosalicylates in the treatment of inflammatory bowel disease. Riley SA, et al. **Q J Med** 1990 Jun;75(278):551–62 (57 ref.)

Inflammatory bowel disease revisited: newer drugs. Hanauer SB. **Scand J Gastroenterol Suppl** 1990;175:97–106 (108 ref.)

[New salicylic acid derivatives in the treatment of inflammatory intestinal diseases] Kovács A. **Orv Hetil** 1991 Jun 16;132(24):1317–21 (44 ref.) (Eng. Abstr.) **(Hun)**

IMMUNOLOGY

Are the inflammatory bowel diseases autoimmune disorders? Snook J. **Gut** 1990 Sep;31(9):961–3 (41 ref.)

PATHOLOGY

Clinical and radiographic features of Reiter's syndrome and inflammatory bowel disease related to arthritis. Mielants H, et al. **Curr Opin Rheumatol** 1990 Aug;2(4):570–6 (28 ref.)

PHYSIOPATHOLOGY

Neuropeptides and inflammatory bowel disease. Eysselein VE, et al. **Z Gastroenterol Verh** 1991 Mar;26:253–7 (51 ref.)

PSYCHOLOGY

Quality of life in patients with inflammatory bowel disease. Künsebeck HW, et al. **Psychother Psychosom** 1990; 54(2–3):110–6 (18 ref.)

RADIONUCLIDE IMAGING

The role of scintigraphy in the management of inflammatory bowel disease. Rothstein RD. **J Nucl Med** 1991 May; 32(5):856–9 (22 ref.)

[Nuclear medicine methods for diagnosis of abdominal inflammation] Becker W, et al. **Z Gastroenterol Verh** 1991 Mar;26:125–30 (42 ref.) **(Ger)**

SURGERY

Pouchitis (pouch ileitis). Meuwissen SG, et al. **Neth J Med** 1989 Jun;35 Suppl 1:S54–66 (36 ref.)

Emergency surgery for inflammatory bowel disease. Mortensen N. **Neth J Med** 1989 Jun;35 Suppl 1:S35–9 (21 ref.)

THERAPY

Chronic inflammatory bowel disease. Booth IW. **Arch Dis Child** 1991 Jun;66(6):742–4 (38 ref.)

Role of parenteral nutrition in inflammatory bowel disease, acute renal failure, and hepatic encephalopathy. Clinical Efficacy Assessment Subcommittee of the Health and Public Policy Subcommittee, American College of Physicians. **Int J Technol Assess Health Care** 1990; 6(4):655–62 (32 ref.)

Limitations in the evaluation of therapy in inflammatory bowel disease: suggestions for future research. Kirsner JB. **J Clin Gastroenterol** 1990 Oct;12(5):516–24 (40 ref.)

Management of inflammatory bowel disease. Jafri SM. **JPMA** 1990 Jul;40(7):162–7 (43 ref.)

Inflammatory bowel disease (2). Podolsky DK. **N Engl J Med** 1991 Oct 3;325(14):1008–16 (138 ref.)

Inflammatory bowel disease. Jenner C. **Practitioner** 1991 Mar;235(1500):256–61 (3 ref.)

Nutritional management of inflammatory bowel disease. Dudrick SJ, et al. **Surg Clin North Am** 1991 Jun; 71(3):609–23 (79 ref.)

INFLATION, ECONOMIC

Health care cost inflation and employer cost management. Custer WS. **J Occup Med** 1990 Dec;32(12):1229–34 (35 ref.)

INFLUENZA

COMPLICATIONS

Imaging in influenza A encephalitis. Protheroe SM, et al. **Arch Dis Child** 1991 Jun;66(6):702–5 (31 ref.)

EPIDEMIOLOGY

Influenza infection and diabetes mellitus. Case for annual vaccination. Diepersloot RJ, et al. **Diabetes Care** 1990 Aug; 13(8):876–82 (62 ref.)

[Influenza] Kaji M. **Nippon Naika Gakkai Zasshi** 1990 Sep 10;79(9):1262–6 (5 ref.) **(Jpn)**

IMMUNOLOGY

The immune response to influenza vaccines. Ghendon Y. **Acta Virol (Praha)** 1990 May;34(3):295–304 (49 ref.)

The modulation of the specific and non-specific host response in case of influenza virus infection and vaccination in man. Süss J, et al. **Exp Pathol** 1991;41(3):121–34 (50 ref.)

[General and specific factors of protective reactions in viral infection (facts and hypotheses)] Dubrovina TIa, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):3–7 (49 ref.) (Eng. Abstr.) **(Rus)**

[Post-stress disorders of resistance of mice to recurrent infection by homologous influenza virus] Kramskaia TA, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):47–50 (16 ref.) (Eng. Abstr.) **(Rus)**

[Natural killer cells and their protective role in viral infections] Shidlovskaia NK. **Vestn Akad Med Nauk SSSR** 1991;(4):27–32 (50 ref.) (Eng. Abstr.) **(Rus)**

[Postvaccinal anti-influenza immunity and its determining factors] Kastrikina LN, et al. **Vopr Virusol** 1990 Sep–Oct; 35(5):362–7 (60 ref.) **(Rus)**

METABOLISM

[Pathogenetic mechanisms of stress-induced aggravation of experimental influenza and its prevention] Frolov BA, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):50–4 (25 ref.) (Eng. Abstr.) **(Rus)**

[The role of lipid peroxidation in post-stress aggravation of influenza and the corrective effect od ionol] Inozemtseva LI, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):54–7 (17 ref.) (Eng. Abstr.) **(Rus)**

[The thioldisulfide system as one of the elements of compensatory mechanisms in influenza] Leont'eva GF, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):40–4 (24 ref.) (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Influenza: pathogenesis and host defense. Small PA Jr. **Hosp Pract [Off]** 1990 Nov 15;25(11):51–4, 57–62 (6 ref.)

Pathogenesis of respiratory infections due to influenza virus: implications for developing countries. Leigh MW, et al. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S501–8 (37 ref.)

PATHOLOGY

[Formation of target cells in the immunocompetent organ (spleen) of mice with experimental infection caused by influenza A viruses with various properties] Shidlovskaia NK, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):23–7 (24 ref.) (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Vaccination against influenza viruses: current status. Ghendon Y. **Adv Biotechnol Processes** 1990;14:159–201 (152 ref.)

Alternatives in the control of influenza. Tannock GA. **Med J Aust** 1991 May 20;154(10):692–5 (13 ref.)

Antigenic and biochemical studies of influenza viruses isolated in defined community epidemics have allowed the development of a new experimental inactivated vaccine. Oxford JS. **Prog Med Virol** 1991;38:180–203 (35 ref.)

Current concepts of control measures for influenza. Dolin R. **Trans Am Clin Climatol Assoc** 1989;101:227–33 (17 ref.)

INFLUENZA D VIRUS see **PARA-INFLUENZA VIRUS TYPE 1**

INFLUENZA VACCINE

The immune response to influenza vaccines. Ghendon Y. **Acta Virol (Praha)** 1990 May;34(3):295–304 (49 ref.)

Vaccination against influenza viruses: current status. Ghendon Y. **Adv Biotechnol Processes** 1990;14:159–201 (152 ref.)

Cold-adapted influenza viruses for use as live vaccines for man. Maassab HF, et al. **Adv Biotechnol Processes** 1990; 14:203–42 (112 ref.)

Alternatives in the control of influenza. Tannock GA. **Med J Aust** 1991 May 20;154(10):692–5 (13 ref.)

Antigenic and biochemical studies of influenza viruses isolated in defined community epidemics have allowed the development of a new experimental inactivated vaccine. Oxford JS. **Prog Med Virol** 1991;38:180–203 (35 ref.)

Use of vaccines for respiratory infections. Strategies for influenza and pneumococcal vaccines. Mäkelä PH, et al. **Scand J Infect Dis Suppl** 1990;70:141–8 (31 ref.)

IMMUNOLOGY

[Postvaccinal anti-influenza immunity and its determining factors] Kastrikina LN, et al. **Vopr Virusol** 1990 Sep–Oct; 35(5):362–7 (60 ref.) **(Rus)**

THERAPEUTIC USE

Use of influenza vaccine in AIDS patients. Johansen MJ, et al. **DICP** 1990 Sep;24(9):837–8 (7 ref.)

INFLUENZA VIRUS TYPE A, HUMAN see **ORTHOMYXOVIRUS TYPE A, HUMAN**

INFLUENZA VIRUSES see **ORTHOMYXOVIRIDAE**

INFLUENZA VIRUSES TYPE A see **ORTHOMYXOVIRUSES TYPE A**

INFLUENZA VIRUSES TYPE B see **ORTHOMYXOVIRUSES TYPE B**

INFLUENZA VIRUSES TYPE C see **ORTHOMYXOVIRUSES TYPE C**

INFORMATION CENTERS

Clone and genomic repositories at the American Type Culture Collection. Maglott DR, et al. **Genomics** 1990 Nov; 8(3):601–5 (14 ref.)

INFORMATION DISPLAY see **DATA DISPLAY**

INFORMATION DISSEMINATION see **INFORMATION SERVICES**

INFORMATION PROCESSING, AUTOMATIC see **AUTOMATIC DATA PROCESSING**

INFORMATION PROCESSING, HUMAN see **MENTAL PROCESSES**

INFORMATION RETRIEVAL see **INFORMATION STORAGE AND RETRIEVAL**

INFORMATION RETRIEVAL SYSTEMS see **INFORMATION SYSTEMS**

INFORMATION SERVICES

Canadian Consensus Conference on Nonpharmacological Approaches to the Management of High Blood Pressure: postconference initiatives. Chockalingam A. **J Cardiovasc Pharmacol** 1990;16 Suppl 8:S51–3 (14 ref.)

ORGANIZATION & ADMINISTRATION

Information for medical decision making. Improving our laboratory reports. Aller RD. **Clin Lab Med** 1991 Mar; 11(1):171–86 (15 ref.)

STANDARDS

Integrity of small data bases in computer analysis of dietary data. Windham CT, et al. **Crit Rev Food Sci Nutr** 1990; 29(3):149–66 (53 ref.)

[Use of various bibliometric methods in operative evaluation of research activities of the research institutions of medico-biological profile] Karas' GA, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):61–5 (13 ref.) (Eng. Abstr.) **(Rus)**

UTILIZATION

[Current state and trends in the development of differential diagnosis of disseminated processes and spherical formations in the lungs based on scientific analysis of documented information flow] Matusevich VG, et al. **Probl Tuberk** 1991;(3):69–70 (9 ref.) **(Rus)**

INFORMATION STORAGE AND RETRIEVAL

Information retrieval in medicine: state of the art. Hersh WR, et al. **MD Comput** 1990 Sep–Oct;7(5):302–11 (43 ref.)

INFORMATION SYSTEMS

Reasoning in uncertainties. An analysis of five strategies and their suitability in pathology. van Ginneken AM, et al. **Anal Quant Cytol Histol** 1991 Apr;13(2):93–109 (10 ref.)
History-taking by computer. Lilford RJ, et al. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):723–42 (41 ref.)
The Human Genome Project: a paradigm for information management in the life sciences. Pearson ML, et al. **FASEB J** 1991 Jan;5(1):35–9 (5 ref.)
Innovative methodologies for research using databases. Moses LE. **Stat Med** 1991 Apr;10(4):629–33 (11 ref.)
Methods for the analysis and assessment of clinical databases: the clinician's perspective. Pryor DB, et al. **Stat Med** 1991 Apr;10(4):617–28 (57 ref.)

STANDARDS

Expert systems for efficient handling of medical information. I. Lung cancer. Marchevsky AM. **Anal Quant Cytol Histol** 1991 Apr;13(2):89–92 (20 ref.)
Multiple imputation in health-care databases: an overview and some applications. Rubin DB, et al. **Stat Med** 1991 Apr;10(4):585–98 (26 ref.)

TRENDS

Medical informatics: an emerging medical discipline. Council on Scientific Affairs and Council on Long Range Planning and Development of the American Medical Association. **J Med Syst** 1990 Aug;14(4):161–79 (34 ref.)

INFORMATION THEORY

Can regulatory peptides be regarded as words of a biological language. Mayer EA, et al. **Am J Physiol** 1991 Aug;261(2 Pt 1):G171–84 (89 ref.)
An informational approach to sensory adaptation. Norwich KH, et al. **J Comp Physiol [A]** 1991 Feb;168(2):151–7 (21 ref.)

INFORMED CONSENT

see related
HUMAN EXPERIMENTATION
TRUTH DISCLOSURE

On informed consent. Lara MC, et al. **Bull Pan Am Health Organ** 1990;24(4):419–24 (12 ref.)
Obtaining consent for organ donation: the role of the healthcare profession. Rudy LA, et al. **J S C Med Assoc** 1991 Jun;87(6):307–10 (5 ref.)
[Informed consent. Historical background and current problems] Jensen AB. **Ugeskr Laeger** 1990 Nov 26; 152(48):3591–3 (30 ref.) (Eng. Abstr.) **(Dan)**
[Operative risk. Patient evaluation, informed consent] Ariani G, et al. **Minerva Anestesiol** 1991 Jan–Feb;57(1–2):39–42 (17 ref.) (Eng. Abstr.) **(Ita)**

LEGISLATION & JURISPRUDENCE

Mandatory parental involvement prior to adolescent abortion. Worthington EL Jr, et al. **J Adolesc Health** 1991 Mar;12(2):138–42 (49 ref.)
Consent and confidentiality in adolescent health care. Greydanus DE, et al. **Pediatr Ann** 1991 Feb;20(2):80–4 (14 ref.)
Another view of autonomy: arranging for consent in advance [see comments] Rosenson MK, et al. **Schizophr Bull** 1991; 17(1):1–7 (22 ref.) Comment in: Schizophr Bull 1991;17(1):9–14.
[Patient education concerning late hyperkineses] Helmchen H. **Nervenarzt** 1991 May;62(5):265–8 (19 ref.) **(Ger)**

INFRARED RAYS

Theory and application of diffuse infrared biotelemetry. Santić A. **Crit Rev Biomed Eng** 1991;18(4):289–309 (34 ref.)
[Infrared angiography of the eye (review of the literature)] Podgornaia NN, et al. **Vestn Oftalmol** 1991 Jan–Feb; 107(1):69–75 (60 ref.) **(Rus)**

THERAPEUTIC USE

[Theoretic aspects of infrared therapy approaching athermic pulses] Clérin M. **Acta Belg Med Phys** 1990 Oct–Dec; 13(4):217–24 (24 ref.) **(Fre)**

INFUNDIBULAR NUCLEUS see **ARCUATE NUCLEUS**

INFUSION PUMPS

Devices for insulin administration. Selam JL, et al. **Diabetes Care** 1990 Sep;13(9):955–79 (192 ref.)
New developments in drug delivery systems. Chien YW. **Med Res Rev** 1990 Oct–Dec;10(4):477–504 (60 ref.)
[Patient-controlled analgesia] Scherpereel P. **Ann Fr Anesth Reanim** 1991;10(3):269–83 (118 ref.) (Eng. Abstr.) **(Fre)**

STANDARDS

[Reliability of infusion systems and equipment] Schmitz JE, et al. **Klin Anasthesiol Intensivther** 1990;38:274–88 (23 ref.) **(Ger)**

INFUSION PUMPS, EXTERNAL see **INFUSION PUMPS**

INFUSION PUMPS, IMPLANTABLE

The role of implanted systems in the control of temporal drug delivery. Langevin T. **Ann N Y Acad Sci** 1991; 618:533–43 (27 ref.)
Drug delivery to the brain using polymers. Domb A, et al. **Crit Rev Ther Drug Carrier Syst** 1991;8(1):1–17 (98 ref.)
Continuous hepatic artery infusion (CHAI) as treatment of liver metastases. Are the complications worth it? Kemeny MM. **Drug Saf** 1991 May–Jun;6(3):159–65 (12 ref.)
Drug delivery systems. 4. Implants in drug delivery. Ranade VV. **J Clin Pharmacol** 1990 Oct;30(10):871–89 (92 ref.)
Device drug delivery to the eye. Collagen shields, iontophoresis, and pumps. Friedberg ML, et al. **Ophthalmology** 1991 May;98(5):725–32 (46 ref.)
[Studies on postoperative arterial infusion chemotherapy using implanted reservoir for hepatocellular carcinoma] Nagabuchi E, et al. **Gan To Kagaku Ryoho** 1991 Aug; 18(11):1837–41 (8 ref.) (Eng. Abstr.) **(Jpn)**

INFUSIONS, INTRA-ARTERIAL

Preoperative intra-arterial chemotherapy. Huth JF, et al. **Cancer Treat Res** 1989;44:103–10 (33 ref.)
Hepatic artery infusion and chemoembolization in the management of liver metastases. Wallace S, et al. **Cardiovasc Intervent Radiol** 1990 Jun–Jul;13(3):153–60 (56 ref.)

ADVERSE EFFECTS

Continuous hepatic artery infusion (CHAI) as treatment of liver metastases. Are the complications worth it? Kemeny MM. **Drug Saf** 1991 May–Jun;6(3):159–65 (12 ref.)

INFUSIONS, INTRAVENOUS

METHODS

[Pharmacokinetic methods for achieving and maintaining stationary plasma levels in the venous administration of drugs] Iamboliev I, et al. **Khirurgiia (Sofiia)** 1990; 43(5):46–53 (34 ref.) (Eng. Abstr.) **(Bul)**

INFUSIONS, PARENTERAL

see related
FLUID THERAPY

Parenteral antibiotic therapy for patients in nursing homes. Mulligan T. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 2:S180–3 (23 ref.)

METHODS

Intraspinal drug therapy. Paice JA, et al. **Nurs Clin North Am** 1991 Jun;26(2):477–98 (53 ref.)
[Hypodermoclysis: a forgotten technique...] Dutertre JP, et al. **Rev Med Interne** 1991 Mar–Apr;12(2):153–5 (20 ref.) (Eng. Abstr.) **(Fre)**

STANDARDS

[Reliability of infusion systems and equipment] Schmitz JE, et al. **Klin Anasthesiol Intensivther** 1990;38:274–88 (23 ref.) **(Ger)**

INFUSIONS, REGIONAL ARTERIAL see **INFUSIONS, INTRA-ARTERIAL**

INFUSORIAL EARTH see **KIESELGUHR**

INFUSORS see **INFUSION PUMPS**

INGUINAL CANAL

PATHOLOGY

[A case of inguinal endometriosis secondary to homolateral ovarian endometriosis] D'Amato T, et al. **Minerva Ginecol** 1990 Jul–Aug;42(7–8):325–8 (18 ref.) (Eng. Abstr.) **(Ita)**

INGUINAL HERNIA see **HERNIA, INGUINAL**

INHALATION BURNS see **BURNS, INHALATION**

INHALATION DEVICES see **NEBULIZERS AND VAPORIZERS**

INHALATION INJURY, SMOKE see **SMOKE INHALATION INJURY**

INHALATION PROVOCATION TESTS see **BRONCHIAL PROVOCATION TESTS**

INHALATION THERAPY see **RESPIRATORY THERAPY**

INHALATORS see **NEBULIZERS AND VAPORIZERS**

INHALERS see **NEBULIZERS AND VAPORIZERS**

INHIBIN

Novel ovarian regulatory peptides: inhibin, activin, and follistatin. Ling N, et al. **Clin Obstet Gynecol** 1990 Sep; 33(3):690–702 (24 ref.)

ANALYSIS

Inhibin subunits in human placenta: localization and messenger ribonucleic acid levels during pregnancy. Petraglia F, et al. **Am J Obstet Gynecol** 1991 Sep; 165(3):750–8 (16 ref.)

IMMUNOLOGY

The immunobiology of follicle-stimulating hormone and inhibin: prospects for a contraceptive vaccine. Moudgal NR. **Curr Opin Immunol** 1989–90;2(5):736–42 (12 ref.)

PHARMACOLOGY

Contraception--a look forward, Part III: Inhibin and brain-enhanced estrogen delivery. Woolley RJ. **J Am Board Fam Pract** 1991 May–Jun;4(3):159–66 (29 ref.)

PHYSIOLOGY

Inhibin and related proteins: localization, regulation, and effects. de Jong FH, et al. **Adv Exp Med Biol** 1990; 274:271–93 (168 ref.)
Inhibin and related peptides in pregnancy. Healy DL, et al. **Baillieres Clin Endocrinol Metab** 1990 Jun;4(2):233–47 (71 ref.)
FSH, inhibin and other bioactive peptides of male genital tract: localization, synthesis and their role in cellular pathophysiology. Garde SV, et al. **Indian J Exp Biol** 1991 Jun;29(6):501–15 (136 ref.)
Follistatin and activin: a potential intrinsic regulatory system within diverse tissues. DePaolo LV, et al. **Proc Soc Exp Biol Med** 1991 Oct;198(1):500–12 (117 ref.)
Activin as a cell differentiation factor. Ueno N, et al. **Prog Growth Factor Res** 1990;2(2):113–24 (71 ref.)
Inhibin: role and secretion in the rat. Rivier C, et al. **Recent Prog Horm Res** 1990;46:231–57; discussion 258–9 (151 ref.)
[Recent advances in inhibin research] Fu XS, et al. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):38–42 (43 ref.) **(Chi)**
[Inhibin and activin] Igarashi M. **Nippon Naibunpi Gakkai Zasshi** 1990 Dec 20;66(12):1221–7 (22 ref.) **(Jpn)**

SECRETION

Recent advances in the human physiology of inhibin secretion. de Kretser DM, et al. **J Endocrinol Invest** 1990 Jul–Aug;13(7):611–24 (109 ref.)

INHIBITION (PSYCHOLOGY)

Developmental time course in human infants and infant monkeys, and the neural bases of, inhibitory control in reaching. Diamond A. **Ann N Y Acad Sci** 1990;608:637–69; discussion 669–76 (76 ref.)

INHIBITION, NEURAL see **NEURAL INHIBITION**

INJECTIONS

ADVERSE EFFECTS

Injections: a fatal attraction? Reeler AV. **Soc Sci Med** 1990; 31(10):1119–25 (45 ref.)

INSTRUMENTATION

Devices for insulin administration. Selam JL, et al. **Diabetes Care** 1990 Sep;13(9):955–79 (192 ref.)

METHODS

Emergency resuscitation in children. The role of intraosseous infusion. Driggers DA, et al. **Postgrad Med** 1991 Mar; 89(4):129–32 (9 ref.)

INJECTIONS, EPIDURAL

see related
ANESTHESIA, EPIDURAL

INJECTIONS, INTRAPERITONEAL

[First experiences with intraperitoneal chemotherapy] Pikó B, et al. **Orv Hetil** 1991 Jun 2;132(22):1199–201 (30 ref.) (Eng. Abstr.) **(Hun)**

INJECTIONS, INTRASPINAL see **INJECTIONS, SPINAL**

INJECTIONS, INTRATHECAL see **INJECTIONS, SPINAL**

INJECTIONS, INTRAVENOUS

ADVERSE EFFECTS

Medication administration via the umbilical arterial catheter: a survey of standard practices and review of the literature.

INJECTIONS, INTRAVENOUS

Hodding JH. **Am J Perinatol** 1990 Oct;7(4):329–32 (20 ref.)

INJECTIONS, INTRAVENTRICULAR

INSTRUMENTATION

Intraventricular diamorphine via an Ommaya shunt for intractable cancer pain. Reeve WG, et al. **Br J Anaesth** 1990 Oct;65(4):544–7 (13 ref.)

INJECTIONS, JET

INSTRUMENTATION

[Injections without needles in the treatment of insulin-dependent diabetes] Robert JJ, et al. **Ann Pediatr (Paris)** 1991 Apr;38(4):225–8 (11 ref.) (Eng. Abstr.) **(Fre)**

[The use of jet injector-type apparatus in vaccination. The risk of the transmission of infectious agents via a jet under pressure] Dimache G. **Rev Ig [Bacteriol]** 1990 Apr–Jun; 35(2):169–81 (38 ref.) **(Rum)**

INJECTIONS, SCLEROSING see **SCLEROSING SOLUTIONS**

INJECTIONS, SPINAL

see related
ANESTHESIA, EPIDURAL
ANESTHESIA, SPINAL

METHODS

Intraspinal drug therapy. Paice JA, et al. **Nurs Clin North Am** 1991 Jun;26(2):477–98 (53 ref.)

INJURIES see **WOUNDS AND INJURIES**

INJURIES, MULTIPLE see **MULTIPLE TRAUMA**

INJURIES, NONPENETRATING see **WOUNDS, NONPENETRATING**

INLAYS

Current status and rationale for composite inlays and onlays. Burke FJ, et al. **Br Dent J** 1991 Apr 6;170(7):269–73 (50 ref.)

The composite resin inlay as an alternative to amalgam. Martin FE. **N Z Dent J** 1991 Apr;87(388):43–5 (15 ref.)

INNATE BEHAVIOR see **INSTINCT**

INNOMINATE ARTERY see **BRACHIOCEPHALIC TRUNK**

INNOMINATE VEINS see **BRACHIOCEPHALIC VEINS**

INNOVATION DIFFUSION see **DIFFUSION OF INNOVATION**

INOCULATION LYMPHORETICULOSIS see **CAT-SCRATCH DISEASE**

INORGANIC CHEMISTRY see **CHEMISTRY, INORGANIC**

INOSINATE PHOSPHATASE see **5'-NUCLEOTIDASE**

INOSINIC ACID DEHYDROGENASE see **IMP DEHYDROGENASE**

INOSITOL

METABOLISM

Inositol metabolism in yeasts. White MJ, et al. **Adv Microb Physiol** 1991;32:1–51 (136 ref.)

Protein phosphorylation events and changes in inositol metabolism during HL60 cell differentiation. Lord JM, et al. **Biochem Soc Trans** 1991 Apr;19(2):315–20 (13 ref.)

Dynamics and function of the inositolcycle in Dictyostelium discoideum. Bominaar AA, et al. **Dev Genet** 1991; 12(1–2):19–24 (14 ref.)

Biochemical considerations in 1H spectroscopy. Glutamate and glutamine; myo-inositol and related metabolites. Ross BD. **NMR Biomed** 1991 Apr;4(2):59–63 (12 ref.)

[Role of polyol-myoinositol metabolic changes in the pathogenesis of diabetic macro-angiopathy] Fu MX, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):300–4 (39 ref.) **(Chi)**

INOSITOL CYCLASE see **INOSITOL-1-PHOSPHATE SYNTHASE**

INOSITOL HEXAPHOSPHATE see **PHYTIC ACID**

INOSITOL-1-PHOSPHATE SYNTHASE

ISOLATION & PURIFICATION

[Thyroid gland inositol-1-phosphate synthase (its purification and characteristics)] Stelmach H, et al. **Rocz Akad Med Bialymst** 1988–89;33–34:23–32 (18 ref.) (Eng. Abstr.) **(Pol)**

INOSITOL PHOSPHATES

METABOLISM

Phosphatidylinositol-derived precursors and signals. Bansal VS, et al. **Annu Rev Cell Biol** 1990;6:41–67 (199 ref.)

Receptors, inositol polyphosphates and intracellular Ca2+. Nahorski SR. **Br J Clin Pharmacol** 1990;30 Suppl 1:23S–26S (13 ref.)

Second messengers derived from inositol lipids. Catt KJ, et al. **J Bioenerg Biomembr** 1991 Feb;23(1):7–27 (134 ref.)

Involvement of calcium and inositol phosphates in amphibian egg activation. Busa WB. **J Reprod Fertil Suppl** 1990; 42:155–61 (39 ref.)

Regulation of the metabolism of 1,2-diacylglycerols and inositol phosphates that respond to receptor activation. Shears SB. **Pharmacol Ther** 1991;49(1–2):79–104 (252 ref.)

Intracellular control of inositol phosphates by their metabolizing enzymes. Erneux C, et al. **Trends Pharmacol Sci** 1991 May;12(5):174–6 (23 ref.)

PHYSIOLOGY

Inositol 1,3,4,5-tetrakisphosphate and regulation of intracellular calcium. Boynton AL, et al. **Biochem Pharmacol** 1990 Nov 1;40(9):1933–9 (14 ref.)

Glycosyl phosphatidylinositol in thyroid: cell signalling or protein anchor? Jacquemin C. **Biochimie** 1991 Jan; 73(1):37–40 (42 ref.)

Inositol phosphates in receptor-mediated cell signaling: metabolic origins and interrelationships. Kirk CJ, et al. **Biotechnol Appl Biochem** 1990 Oct;12(5):489–95 (34 ref.)

myo-inositol metabolites as cellular signals. Downes CP, et al. **Eur J Biochem** 1990 Oct 5;193(1):1–18 (226 ref.)

INOSITOL PHOSPHOGLYCERIDES see **PHOSPHATIDYLINOSITOLS**

INOSITOL 1,4,5-TRIPHOSPHATE see **INOSITOL 1,4,5-TRISPHOSPHATE**

INOSITOL 1,4,5-TRISPHOSPHATE

BIOSYNTHESIS

A rapid decline in external Ca2+ induces Ca2+ mobilization in bovine adrenal glomerulosa cells. Foster RH. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):165–9 (19 ref.)

METABOLISM

Hormonal regulation of phosphatidylcholine breakdown. Exton JH. **Adv Second Messenger Phosphoprotein Res** 1990; 24:152–7 (41 ref.)

Structural and functional interrelationship of the intracellular receptor for inositol (1,4,5) trisphosphate. Shears SB. **Cancer Cells** 1991 Mar;3(3):97–9 (12 ref.)

Capacitative calcium entry revisited. Putney JW Jr. **Cell Calcium** 1990 Nov–Dec;11(10):611–24 (55 ref.)

Dynamics and function of the inositolcycle in Dictyostelium discoideum. Bominaar AA, et al. **Dev Genet** 1991; 12(1–2):19–24 (14 ref.)

PHYSIOLOGY

Temporal aspects of calcium signalling. Berridge MJ. **Adv Second Messenger Phosphoprotein Res** 1990;24:108–14 (38 ref.)

Properties of calcium release channels of the intracellular calcium store in muscle cells. Endo M, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:122–7 (21 ref.)

Inositol 1,3,4,5-tetrakisphosphate and regulation of intracellular calcium. Boynton AL, et al. **Biochem Pharmacol** 1990 Nov 1;40(9):1933–9 (14 ref.)

Cytoplasmic calcium oscillations: a two pool model. Berridge MJ. **Cell Calcium** 1991 Feb–Mar;12(2–3):63–72 (71 ref.)

The four dimensions of calcium signalling in Xenopus oocytes. Delisle S. **Cell Calcium** 1991 Feb–Mar; 12(2–3):217–27 (120 ref.)

The mechanical hypothesis of excitation-contraction (EC) coupling in skeletal muscle. Rios E, et al. **J Muscle Res Cell Motil** 1991 Apr;12(2):127–35 (69 ref.)

Calcium oscillations: phenomena, mechanisms and significance. Cobbold PH, et al. **Semin Cell Biol** 1990 Aug; 1(4):311–21 (46 ref.)

[Mechanism of activation of receptor-operated calcium entry in non-excitable cells] Takemura H, et al. **Nippon Yakurigaku Zasshi** 1991 Jun;97(6):319–27 (58 ref.) (Eng. Abstr.) **(Jpn)**

INOTROPIC AGENTS, POSITIVE CARDIAC see **CARDIOTONIC AGENTS**

INOTROPISM see **MUSCLE CONTRACTION**

INOTROPISM, CARDIAC see **MYOCARDIAL CONTRACTION**

INSANITY DEFENSE

Monitored conditional release of persons found not guilty by reason of insanity. Bloom JD, et al. **Am J Psychiatry** 1991 Apr;148(4):444–8 (53 ref.)

Premenstrual syndrome as a criminal defense. Lewis JW. **Arch Sex Behav** 1990 Oct;19(5):425–41 (80 ref.)

Suicide cases in civil law: do the legal tests make sense? McClung M. **Bull Am Acad Psychiatry Law** 1990; 18(4):365–72 (29 ref.)

AIDS-related dementia and competency to stand trial: a potential abuse of the forensic mental health system? Perlin ML, et al. **Bull Am Acad Psychiatry Law** 1990;18(4):349–63 (91 ref.)

Nosologic objections to the criminal defense of pathological intoxication: what do the doubters doubt? Tiffany LP, et al. **Int J Law Psychiatry** 1990;13(1–2):49–75 (105 ref.)

Competent and incompetent criminal defendants: a quantitative review of comparative research. Nicholson RA, et al. **Psychol Bull** 1991 May;109(3):355–70 (100 ref.)

INSECT BITES AND STINGS

The red imported fire ant (Solenopsis invicta). A problem in North Carolina. Burke WA. **N C Med J** 1991 Apr; 52(4):153–8 (37 ref.)

COMPLICATIONS

[Insect-induced allergy in children] Omel'nitskaia IP, et al. **Pediatriia** 1990;(7):88–92 (74 ref.) **(Rus)**

IMMUNOLOGY

Immunology and treatment of mosquito bites. Reunala T, et al. **Clin Exp Allergy** 1990 Nov;20 Suppl 4:19–24 (37 ref.)

[Immunotherapy for stinging insect allergy—update] Sthoeger Z, et al. **Harefuah** 1990 Sep;119(5–6):163–5 (33 ref.) **(Heb)**

THERAPY

Emergency treatment of allergic reactions to Hymenoptera stings. Müller U, et al. **Clin Exp Allergy** 1991 May; 21(3):281–8 (51 ref.)

INSECT CONTROL

see related
INSECTICIDE RESISTANCE
PEST CONTROL, BIOLOGICAL

Biotechnology as applied to vectors and vector control. Meredith SE, et al. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:113–8 (25 ref.)

Perspectives on management of pestiferous Chironomidae (Diptera), an emerging global problem. Ali A. **J Am Mosq Control Assoc** 1991 Jun;7(2):260–81 (230 ref.)

Onchocerciasis: a review of clinical, pathologic and chemotherapeutic aspects, and vector control program. Gibson DW, et al. **Prog Clin Parasitol** 1989;1:57–103 (199 ref.)

[Impact of vector control on the aquatic environment] Lévêque C. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:119–24 (14 ref.) (Eng. Abstr.) **(Fre)**

[Recent achievements and perspectives in medical entomology and vector control] Mouchet J, et al. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:107–11 (12 ref.) (Eng. Abstr.) **(Fre)**

[The slow progress in the control of sleeping sickness] Wéry M. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:89–93 (19 ref.) (Eng. Abstr.) **(Fre)**

METHODS

Chemical management of forest pest epidemics: a case study. Ecobichon DJ. **Biomed Environ Sci** 1990 Jun;3(2):217–39 (74 ref.)

INSECT HORMONES

CHEMISTRY

The function and evolution of insect storage hexamers. Telfer WH, et al. **Annu Rev Entomol** 1991;36:205–28 (133 ref.)

GENETICS

Notch and the molecular genetics of neuroblast segregation in Drosophila. Artavanis-Tsakonas S, et al. **Mol Reprod Dev** 1990 Sep;27(1):23–7 (0 ref.)

Molecular and genetic intimations of the function of Delta, and EGF-like gene required for ectodermal differentiation in Drosophila. Kopczynski CC, et al. **Mol Reprod Dev** 1990 Sep;27(1):28–36 (0 ref.)

The Notch gene, adhesion, and developmental fate in the Drosophila embryo. Greenspan RJ. **New Biol** 1990 Jul; 2(7):595–600 (43 ref.)

The inducible antibacterial peptides of dipteran insects. Hoffmann JA, et al. **Res Immunol** 1990 Nov–Dec; 141(9):910–8 (32 ref.)

METABOLISM

Peptidyl-prolyl cis-trans isomerases, cyclophilin, FK506-binding protein, and ninaA: four of a kind. Stamnes MA, et al. **Curr Opin Cell Biol** 1990 Dec;2(6):1104-7 (13 ref.)

PHYSIOLOGY

Hormones and programmed cell death: insights from invertebrate studies. Truman JW, et al. **Prog Brain Res** 1990;86:25-35 (36 ref.)

Notch and the choice of cell fate in Drosophila neuroepithelium. Simpson P. **Trends Genet** 1990 Nov; 6(11):343-5 (19 ref.)

INSECT REPELLENTS

PHARMACOLOGY

Insect repellent N,N-diethylphenylacetamide: an update. Rao SS, et al. **J Med Entomol** 1991 May;28(3):303-6 (27 ref.)

INSECT VECTORS

Chrysomya megacephala (Diptera: Calliphoridae) has reached the continental United States: review of its biology, pest status, and spread around the world. Wells JD. **J Med Entomol** 1991 May;28(3):471-3 (32 ref.)

Can anopheline-transmitted filariasis be eradicated? Webber RH. **J Trop Med Hyg** 1991 Aug;94(4):241-4 (19 ref.)

[Recent achievements and perspectives in medical entomology and vector control] Mouchet J, et al. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:107-11 (12 ref.) (Eng. Abstr.) **(Fre)**

[Vector control and malaria control] Carnevale P, et al. **Med Trop (Mars)** 1990 Oct-Dec;50(4):391-8 (75 ref.) (Eng. Abstr.) **(Fre)**

[Importation of animal and human tropical myiasis by Cochliomyia hominivorax (Coquerel) in Libya (diptera: Calliphoridae)] Leclercq M. **Rev Med Liege** 1990 Sep; 45(9):452-7 (39 ref.) **(Fre)**

[Ecological transformations: insect-transmitted infections today] Cardesa JJ, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 38:4-10 (43 ref.) **(Spa)**

GENETICS

Biotechnology as applied to vectors and vector control. Meredith SE, et al. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:113-8 (25 ref.)

MICROBIOLOGY

Evolutionary relationships among California serogroup viruses (Bunyaviridae) and Aedes mosquitoes (Diptera: Culicidae). Eldridge BF. **J Med Entomol** 1990 Sep; 27(5):738-49 (65 ref.)

[The Ockelbo disease, nephropathia epidemica and tularemia. A great deal is known about the infectious diseases in the north--but quite a few question-marks are left] Tärnvik A. **Lakartidningen** 1991 Jul 24;88(30-31):2515-8 (15 ref.) **(Swe)**

PARASITOLOGY

The life-cycle of Leishmania in the sandfly with special reference to the form infective to the vertebrate host. Killick-Kendrick R. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:37-42 (58 ref.)

Onchocerciasis: a review of clinical, pathologic and chemotherapeutic aspects, and vector control program. Gibson DW, et al. **Prog Clin Parasitol** 1989;1:57-103 (199 ref.)

PHYSIOLOGY

Aedes albopictus in the Americas. Rai KS. **Annu Rev Entomol** 1991;36:459-84 (135 ref.)

INSECT VIRUSES

PHYSIOLOGY

Viral and bacterial pathogens of insects. Crook NE, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:91S-96S (37 ref.)

INSECTICIDE RESISTANCE

Acaricide resistance in single and multi-host ticks and strategies for control. Nolan J. **Parassitologia** 1990 Apr; 32(1):145-53 (19 ref.)

GENETICS

Gene amplification and insecticide resistance. Devonshire AL, et al. **Annu Rev Entomol** 1991;36:1-23 (103 ref.)

INSECTICIDES

see related

CHOLINESTERASE INHIBITORS

Chemical management of forest pest epidemics: a case study. Ecobichon DJ. **Biomed Environ Sci** 1990 Jun;3(2):217-39 (74 ref.)

[The prospects for the study of mosquito irritability to insecticides] Sorokin NN. **Med Parazitol (Mosk)** 1991 Mar-Apr;(2):57-9 (37 ref.) (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Neurobehavioral effects of toxicity due to metals, solvents, and insecticides. White RF, et al. **Clin Neuropharmacol** 1990 Oct;13(5):392-412 (94 ref.)

CHEMICAL SYNTHESIS

Synthesis of antifeedants for insects: novel behaviour-modifying chemicals from plants. Ley SV. **Ciba Found Symp** 1990;154:80-7; discussion 87-98 (20 ref.)

METABOLISM

Microbiological degradation of pesticides in yard waste composting. Fogarty AM, et al. **Microbiol Rev** 1991 Jun; 55(2):225-33 (43 ref.)

POISONING

Effects of agricultural pesticides on humans, animals, and higher plants in developing countries. Igbedioh SO. **Arch Environ Health** 1991 Jul-Aug;46(4):218-24 (52 ref.)

[Histological characteristics of the reactions of cerebral neuroglia in laboratory animals] Kvitnitskiĭ-Ryzhov IuN, et al. **Arkh Anat Gistol Embriol** 1990 Sep;99(9):5-19 (75 ref.) (Eng. Abstr.) **(Rus)**

TOXICITY

Xylene/amitraz: a pharmacologic review and profile. Jones RD. **Vet Hum Toxicol** 1990 Oct;32(5):446-8 (30 ref.)

INSECTICIDES, BOTANICAL

Botanical derivatives in mosquito control: a review. Sukumar K, et al. **J Am Mosq Control Assoc** 1991 Jun;7(2):210-37 (131 ref.)

THERAPEUTIC USE

[Pyrethrin and pyrethroid (permethrin) in the treatment of scabies and pediculosis] Haustein UF. **Hautarzt** 1991 Jan; 42(1):9-15 (60 ref.) (Eng. Abstr.) **(Ger)**

INSECTICIDES, CARBAMATE

TOXICITY

Mechanism of action of organophosphorus and carbamate insecticides. Fukuto TR. **Environ Health Perspect** 1990 Jul; 87:245-54 (28 ref.)

INSECTICIDES, ORGANOCHLORINE

ANALYSIS

Organochlorine pesticides and polychlorinated biphenyls in human adipose tissue. Kutz FW, et al. **Rev Environ Contam Toxicol** 1991;120:1-82 (153 ref.)

TOXICITY

Mechanisms of toxic action and structure-activity relationships for organochlorine and synthetic pyrethroid insecticides. Coats JR. **Environ Health Perspect** 1990 Jul; 87:255-62 (57 ref.)

The case for a cause-effect linkage between environmental contamination and development in eggs of the common snapping turtle (Chelydra S.serpentina) from Ontario, Canada. Bishop CA, et al. **J Toxicol Environ Health** 1991 Aug;33(4):521-47 (54 ref.)

Epidemiology of Great Lakes bald eagles. Colborn T. **J Toxicol Environ Health** 1991 Aug;33(4):395-453 (184 ref.)

Great Lakes embryo mortality, edema, and deformities syndrome (GLEMEDS) in colonial fish-eating birds: similarity to chick-edema disease. Gilbertson M, et al. **J Toxicol Environ Health** 1991 Aug;33(4):455-520 (202 ref.)

Cause-effect linkages between chemicals and populations of mink (Mustela vison) and otter (Lutra canadensis) in the Great Lakes basin. Wren CD. **J Toxicol Environ Health** 1991 Aug;33(4):549-85 (104 ref.)

INSECTICIDES, ORGANOPHOSPHATE

ADVERSE EFFECTS

[Biochemical basis of the effect of organophosphate pesticides on humans] Lutz W, et al. **Med Pr** 1990;41(3):181-9 (31 ref.) (Eng. Abstr.) **(Pol)**

POISONING

Toxicology of oximes used in treatment of organophosphate poisoning. Marrs TC. **Adverse Drug React Toxicol Rev** 1991 Spring;10(1):61-73 (59 ref.)

Chronic neuropsychological sequelae of occupational exposure to organophosphate insecticides. Rosenstock L, et al. **Am J Ind Med** 1990;18(3):321-5 (15 ref.)

Organophosphate poisoning. Rivera JA, et al. **Bol Asoc Med P R** 1990 Sep;82(9):419-22 (14 ref.)

Cholinesterase activity in domestic animals as a potential biomonitor for nerve agent and other organophosphate exposure. Munro NB, et al. **J Am Vet Med Assoc** 1991 Jul 1;199(1):103-15 (69 ref.)

TOXICITY

Mechanism of action of organophosphorus and carbamate insecticides. Fukuto TR. **Environ Health Perspect** 1990 Jul; 87:245-54 (28 ref.)

INSECTS

Synthesis of antifeedants for insects: novel behaviour-modifying chemicals from plants. Ley SV. **Ciba Found Symp** 1990;154:80-7; discussion 87-98 (20 ref.)

CYTOLOGY

Insect tissue culture systems: models for study of hormonal control of development. Porcheron P. **In Vitro Cell Dev Biol** 1991 Jun;27A(6):479-82 (45 ref.)

GENETICS

Prospects for gene transformation in insects. Handler AM, et al. **Annu Rev Entomol** 1991;36:159-83 (120 ref.)

Heterochromatization and euchromatization of whole genomes in scale insects (Coccoidea: Homoptera). Nur U. **Dev Suppl** 1990;:29-34 (27 ref.)

GROWTH & DEVELOPMENT

Hormones and programmed cell death: insights from invertebrate studies. Truman JW, et al. **Prog Brain Res** 1990;86:25-35 (36 ref.)

IMMUNOLOGY

The prophenoloxidase cascade in insect immunity. Ashida M. **Res Immunol** 1990 Nov-Dec;141(9):908-10 (4 ref.)

Depression of immune reactions in insects. Brehélin M. **Res Immunol** 1990 Nov-Dec;141(9):935-8 (16 ref.)

Possible applications of insect antibacterial peptides. Casteels P. **Res Immunol** 1990 Nov-Dec;141(9):940-2 (23 ref.)

Acquired immunity in insects: the recognition of nonself and the subsequent onset of immune protein genes. Faye I. **Res Immunol** 1990 Nov-Dec;141(9):927-32 (43 ref.)

Cellular and molecular aspects of insect immunity. Hoffmann D, et al. **Res Immunol** 1990 Nov-Dec;141(9):895-6 (0 ref.)

Transplantation immunity in insects: does allograft responsiveness exist? Karp RD. **Res Immunol** 1990 Nov-Dec;141(9):923-7 (21 ref.)

Inducible humoral immunity in insects: does an antibody-like response exist in invertebrates? Karp RD. **Res Immunol** 1990 Nov-Dec;141(9):932-4 (10 ref.)

Dual functions of insect immunity proteins in defence and development. Natori S. **Res Immunol** 1990 Nov-Dec; 141(9):938-9 (0 ref.)

Functional studies on insect haemocytes, including non-self recognition. Ratcliffe NA, et al. **Res Immunol** 1990 Nov-Dec;141(9):919-23 (17 ref.)

Expression and secretion of insect immune peptides in yeast. Reichhart JM, et al. **Res Immunol** 1990 Nov-Dec; 141(9):943-6 (9 ref.)

METABOLISM

Lipid transport function of lipoproteins in flying insects. Van der Horst DJ. **Biochim Biophys Acta** 1990 Dec 4; 1047(3):195-211 (144 ref.)

Synthesis and metabolism of vertebrate-type steroids by tissues of insects: a critical evaluation. Swevers L, et al. **Experientia** 1991 Jul 15;47(7):687-98 (111 ref.)

The chloride-stimulated K(+)-secretion by insect midgut and its modification in the presence of osmotic gradients: a short-circuit current and noise-analysis study. Zeiske W, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan-Dec; 1(1-4):399-404 (10 ref.)

Dynamics of insect lipophorin metabolism. Ryan RO. **J Lipid Res** 1990 Oct;31(10):1725-39 (108 ref.)

MICROBIOLOGY

Biochemical activities of entomophagous fungi. Domnas AJ, et al. **Crit Rev Microbiol** 1991;18(1):1-13 (106 ref.)

Viral and bacterial pathogens of insects. Crook NE, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:91S-96S (37 ref.)

PARASITOLOGY

Host-parasite hormonal relationships: a common theme? Beckage NE. **Exp Parasitol** 1991 Apr;72(3):332-8 (64 ref.)

PHYSIOLOGY

The function and evolution of insect storage hexamers. Telfer WH, et al. **Annu Rev Entomol** 1991;36:205-28 (133 ref.)

Neural repair and glial proliferation: parallels with gliogenesis in insects. Smith PJ, et al. **Bioessays** 1991 Feb;13(2):65-72 (42 ref.)

Taurine as a neuromodulator in the insect central nervous system. Strang RH, et al. **Prog Clin Biol Res** 1990; 351:227-35 (13 ref.)

Neuronal organization and information processing in the wind-sensitive cercal receptor/giant interneurone system of the locus and other orthopteroid insects. Boyan GS, et al. **Prog Neurobiol** 1990;35(3):217-43 (168 ref.)

INSEMINATION, ARTIFICIAL

Therapeutic intrauterine insemination (TII)--controversial treatment for infertility. Irianni FM, et al. **Arch Androl** 1990;25(2):147–67 (73 ref.)

Controlled ovarian hyperstimulation and intrauterine insemination for treatment of infertility [see comments] Dodson WC, et al. **Fertil Steril** 1991 Mar;55(3):457–67 (76 ref.) Comment in: Fertil Steril 1991 Mar;55(3):478–80.

VETERINARY

Laparoscopic artificial insemination in sheep. Gourley DD, et al. **Vet Clin North Am Food Anim Pract** 1990 Nov; 6(3):615–33 (17 ref.)

Achieving canine pregnancy by using frozen or chilled extended semen. Linde-Forsberg C. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):467–85 (63 ref.)

INSEMINATION, ARTIFICIAL, HETEROLOGOUS

Artificial insemination with fresh donor semen. Brotherton J. **Arch Androl** 1990;25(2):173–9 (35 ref.)

The appropriate upper age limit for semen donors: a review of the genetic effects of paternal age [see comments] Bordson BL, et al. **Fertil Steril** 1991 Sep;56(3):397–401 (53 ref.) Comment in: Fertil Steril 1991 Sep;56(3):396.

Screening couples for parenthood by donor insemination. Humphrey M, et al. **Soc Sci Med** 1991;32(3):273–8 (25 ref.)

INSEMINATION, ARTIFICIAL, HOMOLOGOUS

METHODS

[AIH in male infertility due to retrograde ejaculation after retroperitoneal lymph node dissection] Umekawa T, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Mar;82(3):492–5 (11 ref.) (Eng. Abstr.) **(Jpn)**

INSEMINATION, ARTIFICIAL, HUMAN DONOR see **INSEMINATION, ARTIFICIAL, HETEROLOGOUS**

INSEMINATION, ARTIFICIAL, HUSBAND see **INSEMINATION, ARTIFICIAL, HOMOLOGOUS**

INSERTION ELEMENTS, DNA see **DNA INSERTION ELEMENTS**

INSERTION SEQUENCE see **DNA INSERTION ELEMENTS**

INSERTION SEQUENCE ELEMENTS see **DNA INSERTION ELEMENTS**

INSERTIONAL ACTIVATION see **MUTAGENESIS, INSERTIONAL**

INSERTIONAL MUTAGENESIS see **MUTAGENESIS, INSERTIONAL**

INSOMNIA

Insomnia in the elderly. Nakra BR, et al. **Am Fam Physician** 1991 Feb;43(2):477–83 (28 ref.)

CLASSIFICATION

Subtyping DSM-III-R primary insomnia: a literature review by the DSM-IV Work Group on Sleep Disorders. Reynolds CF 3d, et al. **Am J Psychiatry** 1991 Apr; 148(4):432–8 (33 ref.)

COMPLICATIONS

Diagnosis and treatment of insomnia and depression. Ware JC, et al. **J Clin Psychiatry** 1991 Jun;52 Suppl:55–61 (55 ref.)

DRUG THERAPY

Insomnia: drug treatment. Tsoi WF. **Ann Acad Med Singapore** 1991 Mar;20(2):269–72 (42 ref.)

A guide to benzodiazepine selection. Part I: Pharmacological aspects. Teboul E, et al. **Can J Psychiatry** 1990 Nov; 35(8):700–10 (76 ref.)

Hypnotics and sleep physiology: a consensus report. European Sleep Research Society, Committee on Hypnotics and Sleep Physiology. Borbély AA, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;241(1):13–21 (100 ref.)

Criteria for selection of appropriate benzodiazepine hypnotic therapy. Mendels J. **J Clin Psychiatry** 1991 Sep;52 Suppl:42–6 (34 ref.)

Sleep, performance, and plasma levels in chronic insomniacs during 14-day use of flurazepam and midazolam: an introduction. Johnson LC, et al. **J Clin Psychopharmacol** 1990 Aug;10(4 Suppl):5S–9S (38 ref.)

Pharmacodynamic issues relevant to geriatric psychopharmacology. Pollock BG, et al. **J Geriatr Psychiatry Neurol** 1990 Oct-Dec;3(4):221–8 (77 ref.)

Benzodiazepine discontinuation syndromes. Greenblatt DJ, et al. **J Psychiatr Res** 1990;24 Suppl 2:73–9 (36 ref.)

THERAPY

Behavioral treatment of insomnia. Lilie JK, et al. **Prog Behav Modif** 1990;25:152–77 (75 ref.)

[Transcerebral electrostimulation in hypnotic drug withdrawal] Demotes-Mainard J, et al. **Encephale** 1990 Jul-Aug;16(4):265–7 (21 ref.) (Eng. Abstr.) **(Fre)**

1,4,5-INSP3 see **INOSITOL 1,4,5-TRISPHOSPHATE**

INSPIRATORY POSITIVE-PRESSURE VENTILATION see **INTERMITTENT POSITIVE-PRESSURE VENTILATION**

INSTABILITY, JOINT see **JOINT INSTABILITY**

INSTILLATION, RECTAL see **ADMINISTRATION, RECTAL**

INSTINCT

see related

LIBIDO

An ecological approach to language development: an alternative functionalism. Dent CH. **Dev Psychobiol** 1990 Nov;23(7):679–703 (125 ref.)

Structure and stimulation in the ontogeny of spoken language. Locke JL. **Dev Psychobiol** 1990 Nov; 23(7):621–43 (150 ref.)

Innateness and maturation in linguistic development. Wexler K. **Dev Psychobiol** 1990 Nov;23(7):645–60 (50 ref.)

Socio-perceptual bases for the emergence of language: an alternative to innatist approaches. Zukow PG. **Dev Psychobiol** 1990 Nov;23(7):705–26 (145 ref.)

INSTITUTES see **ACADEMIES AND INSTITUTES**

INSTITUTIONAL LIABILITY see **LIABILITY, LEGAL**

INSTITUTIONAL POLICY see **ORGANIZATIONAL POLICY**

INSTITUTIONAL PRACTICE

STANDARDS

Position paper: the HIV-infected health care worker. The Association for Practitioners in Infection Control. The Society of Hospital Epidemiologists of America. **Am J Infect Control** 1990 Dec;18(6):371–82 (31 ref.)

TRENDS

New Oslerians and real Flexnerians: the response to threatened professional autonomy. Vinten-Johansen P, et al. **Int J Health Serv** 1991;21(1):75–108 (127 ref.)

INSTITUTIONAL REVIEW BOARD see **PROFESSIONAL STAFF COMMITTEES**

INSTITUTIONAL TAX see **TAXES**

INSTRUMENTAL LEARNING see **CONDITIONING, OPERANT**

INSUFFLATION

ADVERSE EFFECTS

[Transient amaurosis following the insufflation of air into the maxillary sinus] Teişanu E. **Otorinolaringologie** 1967 Jan-Mar;12(1):53–60 (62 ref.) (Eng. Abstr.) **(Rum)**

INSUFFLATION ANESTHESIA see **ANESTHESIA, INHALATION**

INSULA OF REIL see **CEREBRAL CORTEX**

INSULIN

Insulin agonist therapy: a challenge for the 1990s. Galloway JA, et al. **Clin Ther** 1990 Nov-Dec;12(6):460–72; discussion 459 (35 ref.)

ADMINISTRATION & DOSAGE

Rationale for the association of sulfonylurea and insulin. Del Prato S. **Am J Med** 1991 Jun 24;90(6A):77S–82S (47 ref.)

Combination of insulin and sulfonylureas: a literature review. Halimi S, et al. **Am J Med** 1991 Jun 24;90(6A):83S–86S (53 ref.)

Perioperative management of surgical patients with diabetes mellitus [see comments] Hirsch IB, et al. **Anesthesiology** 1991 Feb;74(2):346–59 (130 ref.) Comment in: Anesthesiology 1991 Feb;74(2):209–11.

Devices for insulin administration. Selam JL, et al. **Diabetes Care** 1990 Sep;13(9):955–79 (192 ref.)

Insulin administration via liposomes. Spangler RS. **Diabetes Care** 1990 Sep;13(9):911–22 (27 ref.)

Intranasal administration of insulin to humans. Gizurarson S, et al. **Diabetes Res Clin Pract** 1991 May;12(2):71–84 (66 ref.)

Dietary manipulation as a primary treatment strategy for pregnancies complicated by diabetes. Jovanovic-Peterson L, et al. **J Am Coll Nutr** 1990 Aug;9(4):320–5 (38 ref.)

Premixed insulins. How do they compare with other insulin preparations? Hollander P. **Postgrad Med** 1991 Mar; 89(4):52–4, 57–8, 61 (5 ref.)

How efficient is sliding-scale insulin therapy? Problems with a 'cookbook' approach in hospitalized patients. Katz CM. **Postgrad Med** 1991 Apr;89(5):46–8, 51–4, 57 (11 ref.)

[Injections without needles in the treatment of insulin-dependent diabetes] Robert JJ, et al. **Ann Pediatr (Paris)** 1991 Apr;38(4):225–8 (11 ref.) (Eng. Abstr.) **(Fre)**

[Drug information. Instructions for storage and administration. Insulin preparations] Kircher W. **Med Monatsschr Pharm** 1990 Oct 10;13(10):318–20 (1 ref.) **(Ger)**

[Control of diabetes mellitus] Daweke H. **Verh Dtsch Ges Inn Med** 1990;96:175–82 (19 ref.) **(Ger)**

[Progress in insulin therapy of NIDDM] Kuzuya H. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):354–7 (9 ref.) **(Jpn)**

[Treatment of insulin-dependent diabetes] Hanssen KF, et al. **Tidsskr Nor Laegeforen** 1991 Jun 20;111(16):1982–3 (4 ref.) **(Nor)**

[A proposed model of the treatment of diabetes mellitus in pregnancy] Strojek K, et al. **Pol Tyg Lek** 1990 Mar 10–26; 45(12–13):261–3 (16 ref.) (Eng. Abstr.) **(Pol)**

[Effect of beta-adrenergic blockade on glucose homeostasis in insulin-induced hypoglycemia during physiological processes in diabetes mellitus] Szelachowska M. **Pol Tyg Lek** 1990 May 7–14;45(19–20):397–400 (49 ref.) **(Pol)**

ADVERSE EFFECTS

[Human insulin and hypoglycemia] Pernet A, et al. **Schweiz Rundsch Med Prax** 1990 Oct 9;79(41):1237–9 (23 ref.) (Eng. Abstr.) **(Fre)**

ANALOGS & DERIVATIVES

Monomeric insulins and their experimental and clinical implications. Brange J, et al. **Diabetes Care** 1990 Sep; 13(9):923–54 (323 ref.)

ANALYSIS

Liquid chromatographic control of the identity, purity and "potency" of biomolecules used as drugs. Farid NA, et al. **J Pharm Biomed Anal** 1989;7(2):185–8 (7 ref.)

Bio-assays for the analysis of insulin. Trethewey J. **J Pharm Biomed Anal** 1989;7(2):189–97 (25 ref.)

BIOSYNTHESIS

[Insulin secretion in non-insulin-dependent diabetes] Turner RC, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:141–51 (56 ref.) **(Fre)**

[Biosynthesis of insulin: intracellular traffic and enzymatic transformations] Vollenweider F, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:109–17 (33 ref.) **(Fre)**

BLOOD

Use of amino acid clamps to investigate the role of insulin in regulating protein breakdown in vivo. Flakoll PJ, et al. **JPEN J Parenter Enteral Nutr** 1991 May-Jun; 15(3):81S–85S (35 ref.)

Can whole-body proteolysis be zero? **Nutr Rev** 1990 Oct; 48(10):380–2 (13 ref.)

[The role of growth hormone in the development of complications in insulin-dependent diabetes] Krawczuk-Rybak M, et al. **Padiatr Grenzgeb** 1991; 30(3):237–43 (37 ref.) (Eng. Abstr.) **(Ger)**

[Insulin level--a parameter for risk of arteriosclerosis?] Standl E. **Versicherungsmedizin** 1991 Apr 1;43(2):48–52 (40 ref.) (Eng. Abstr.) **(Ger)**

[Central nervous system regulation of the endocrine pancreas] Siegel EG. **Z Gastroenterol Verh** 1991 Mar; 26:244–7 (30 ref.) **(Ger)**

[Is macroangiopathy a complication of diabetes mellitus? I.Hyper- insulinemia] Goldsztajn P. **Przegl Lek** 1990; 47(7):551–6 (60 ref.) **(Pol)**

[Cyclic variations of insulin--a clinically significant mechanism] Hellman B, et al. **Lakartidningen** 1991 May 1;88(18):1700–2 (12 ref.) **(Swe)**

CEREBROSPINAL FLUID

Insulin in the cerebrospinal fluid. Plata-Salamán CR. **Neurosci Biobehav Rev** 1991 Summer;15(2):243–58 (244 ref.)

CHEMICAL SYNTHESIS

Enzymatic semisynthesis of human insulin: an update. Morihara K. **J Mol Recognit** 1990 Oct-Dec;3(5-6):181–6 (21 ref.)

CHEMISTRY

The amylin superfamily: a novel grouping of biologically active polypeptides related to the insulin A-chain. Cooper

GJ, et al. **Prog Growth Factor Res** 1989;1(2):99–105 (38 ref.)

[The role of phospho-oligosaccharides as secondary mediators in the action of insulin] Mitev V, et al. **Eksp Med Morfol** 1990;29(3):61–7 (16 ref.) **(Bul)**

GENETICS

[Molecular-biological aspects of diabetes mellitus] Walther R, et al. **Z Med Lab Diagn** 1991;32(3–4):124–33 (27 ref.) **(Ger)**

[Recombinant DNA in the study of diabetes mellitus] Pankov IuA. **Mol Biol (Mosk)** 1990 Sep–Oct;24(5):1173–80 (35 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Insulin and immunology--a correlation] Federlin K, et al. **Z Gesamte Inn Med** 1990 Oct 15;45(20):601–4 (14 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Interplay between insulin signalling and protein kinase C. Grunberger G. **Cell Signal** 1991;3(3):171–7 (52 ref.)

Effect of antihypertensive drugs on insulin, glucose, and lipid metabolism. Lithell HO. **Diabetes Care** 1991 Mar; 14(3):203–9 (35 ref.)

Mechanisms of sulfonylurea-induced insulin release. Malaisse WJ, et al. **Diabetes Care** 1990 Aug;13 Suppl 3:9–17 (123 ref.)

Insulin sensitivity and blood lipids during antihypertensive treatment with special reference to ACE inhibition. Pollare T. **J Diabetic Complications** 1990 Apr–Jun;4(2):75–8 (20 ref.)

Insulin resistance and hypertension. Sowers JR. **Mol Cell Endocrinol** 1990 Dec 3;74(2):C87–9 (17 ref.)

PHARMACOLOGY

Role of insulin receptors in the expression of prostaglandin E1 binding activity in platelets. Kahn NN, et al. **Adv Exp Med Biol** 1990;281:271–6 (18 ref.)

Hepatic sensitivity to insulin: effects of sulfonylurea drugs. Del Prato S, et al. **Am J Med** 1991 Jun 24;90(6A):29S–36S (76 ref.)

Regulation of gene expression by insulin. O'Brien RM, et al. **Biochem J** 1991 Sep 15;278 (Pt 3):609–19 (181 ref.)

Aspects of the regulation of glucose transport in insulin-sensitive tissues in normal conditions and in type-2 diabetes. Cusin I, et al. **Biochem Soc Trans** 1990 Dec; 18(6):1127–30 (24 ref.)

Tracer studies of in vivo insulin action and glucose metabolism in individual peripheral tissues. Kraegen EW, et al. **Horm Metab Res Suppl** 1990;24:41–8 (52 ref.)

Antibodies directed to the insulin receptor. Clinical aspects and applications to the study of insulin action. De Pirro R, et al. **J Endocrinol Invest** 1990 Dec;13(11):951–68 (96 ref.)

[Insulin and atherogenesis] Sanz Ortega F, et al. **An Med Interna** 1990 Apr;7(4):212–4 (35 ref.) **(Spa)**

PHYSIOLOGY

Regulation of gene expression by insulin. Castaño JG. **Adv Enzyme Regul** 1991;31:185–94 (46 ref.)

The role of tyrosine-and serine-threonine-protein phosphorylation in insulin action. Avruch J, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:295–300 (35 ref.)

Positive and negative regulation of gene expression by insulin and glucagon: the model of L-type pyruvate kinase gene. Raymondjean M, et al. **Biochimie** 1991 Jan;73(1):41–5 (20 ref.)

Insulin action 1991. Taylor R. **Clin Endocrinol (Oxf)** 1991 Feb;34(2):159–71 (153 ref.)

Insulin and hypertension. Reaven GM. **Clin Exp Hypertens [A]** 1990;12(5):803–16 (36 ref.)

Some thoughts on the mechanism of action of insulin. Exton JH. **Diabetes** 1991 May;40(5):521–6 (60 ref.)

Insulin-mimetic effects of vanadate. Possible implications for future treatment of diabetes. Shechter Y. **Diabetes** 1990 Jan;39(1):1–5 (68 ref.)

Hypertension in obesity and NIDDM. Role of insulin and sympathetic nervous system. Daly PA, et al. **Diabetes Care** 1991 Mar;14(3):240–8 (101 ref.)

Role of insulin in management of surgical patients with diabetes mellitus. Hirsch IB, et al. **Diabetes Care** 1990 Sep; 13(9):980–91 (116 ref.)

Protein anabolic actions of insulin in the human body. Bennet WM, et al. **Diabetic Med** 1991 Apr;8(3):199–207 (116 ref.)

Insulin and insulin-like growth factor I in early development: peptides, receptors and biological events. de Pablo F, et al. **Endocr Rev** 1990 Nov;11(4):558–77 (175 ref.)

On the paradox of insulin-induced hyperandrogenism in insulin-resistant states. Poretsky L. **Endocr Rev** 1991 Feb; 12(1):3–13 (152 ref.)

The role of the transcapillary insulin transport in the efficiency of insulin action: studies with glucose clamps and the minimal model. Bergman RN, et al. **Horm Metab Res Suppl** 1990;24:49–56 (34 ref.)

Practical application of methods for in vivo assessment of insulin secretion and action. Best JD, et al. **Horm Metab Res Suppl** 1990;24:60–6 (31 ref.)

Application of structural model of glucose-insulin relations to assess beta-cell function and insulin sensitivity. Turner RC, et al. **Horm Metab Res Suppl** 1990;24:66–71 (9 ref.)

A re-assessment of the regulation of adiposity and appetite by the brain insulin system. Woods SC, et al. **Int J Obes** 1990;14 Suppl 3:69–73; discussion 74–6 (34 ref.)

The role of glycosyl-phosphoinositides in hormone action. Saltiel AR. **J Bioenerg Biomembr** 1991 Feb;23(1):29–41 (43 ref.)

Insulin and blood pressure regulation. Gans RO, et al. **J Intern Med Suppl** 1991;735:49–64 (174 ref.)

Regulation of insulin action at the cellular level. Lönnroth P. **J Intern Med Suppl** 1991;735:23–9 (65 ref.)

Hypothesis: insulin is responsible for the vascular complications of diabetes. Gwinup G, et al. **Med Hypotheses** 1991 Jan;34(1):1–6 (53 ref.)

Lipid-derived mediators in insulin action. Farese RV. **Proc Soc Exp Biol Med** 1990 Dec;195(3):312–24 (114 ref.)

[Magnesium and the regulation of carbohydrate metabolism] Paolisso G, et al. **Journ Annu Diabetol Hotel Dieu** 1991; :185–91 (33 ref.) **(Fre)**

[Regulation of ovarian growth processes in the light of recent studies] Szymczykiewicz P, et al. **Endokrynol Pol** 1989; 40(6):325–36 (80 ref.) **(Pol)**

[New data on the regulation of glucose transport to skeletal muscle cells] Krawczuk I, et al. **Pol Tyg Lek** 1990 May 7–14;45(19–20):401–4 (50 ref.) **(Pol)**

[Insulin and atherogenesis] Sanz Ortega F, et al. **An Med Interna** 1990 Apr;7(4):212–4 (35 ref.) **(Spa)**

SECRETION

Computer model for mechanisms underlying ultradian oscillations of insulin and glucose. Sturis J, et al. **Am J Physiol** 1991 May;260(5 Pt 1):E801–9 (38 ref.)

Physiological implications of pulsatile hormone secretion. Matthews DR. **Ann N Y Acad Sci** 1991;618:28–37 (29 ref.)

Potassium selective ion channels in insulin-secreting cells: physiology, pharmacology and their role in stimulus-secretion coupling. Dunne MJ, et al. **Biochim Biophys Acta** 1991 Mar 7;1071(1):67–82 (161 ref.)

Elusive proximal signals of beta-cells for insulin secretion. MacDonald MJ. **Diabetes** 1990 Dec;39(12):1461–6 (42 ref.)

G proteins and modulation of insulin secretion. Robertson RP, et al. **Diabetes** 1991 Jan;40(1):1–6 (40 ref.)

Multiple effects of increases in phosphoinositide hydrolysis on islets and their relationship to changing patterns of insulin secretion. Zawalich W. **Diabetes Res** 1990 Mar; 13(3):101–11 (65 ref.)

Mechanisms involved in the regulation of the insulin secretory process. Efendic S, et al. **J Intern Med Suppl** 1991;735:9–22 (139 ref.)

Glucose metabolism, second messengers and insulin secretion. Laychock SG. **Life Sci** 1990;47(25):2307–16 (20 ref.)

New perspectives on the structure and function of the normal and diabetic beta-cell. Hellerström C, et al. **Ups J Med Sci** 1991;96(1):1–16 (84 ref.)

[Gastrin, insulin and glucagon secretion after cimetidine and sodium hydrocarbonate intake in patients with duodenal ulcer] Valenkevich LN, et al. **Klin Med (Mosk)** 1991 Mar; 69(3):91–3 (22 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Insulin therapy in maturity-onset diabetes. Sane T, et al. **Ann Med** 1991 Feb;23(1):13–9 (89 ref.)

Insulin treatment in the elderly diabetic patient. Nathan DM. **Clin Geriatr Med** 1990 Nov;6(4):923–31 (56 ref.)

Maternal insulin to lower the risk of fetal macrosomia in diabetic pregnancy. Coustan DR. **Clin Obstet Gynecol** 1991 Jun;34(2):288–95 (31 ref.)

Treatment of NIDDM with insulin agonists or substitutes. Galloway JA. **Diabetes Care** 1990 Dec;13(12):1209–39 (179 ref.)

Insulin use in NIDDM. Genuth S. **Diabetes Care** 1990 Dec; 13(12):1240–64 (225 ref.)

Combined insulin-sulfonylurea therapy in treatment of NIDDM. Groop LC, et al. **Diabetes Care** 1990 Aug;13 Suppl 3:47–52 (53 ref.)

Intensive insulin therapy for treatment of type I diabetes. Hirsch IB, et al. **Diabetes Care** 1990 Dec;13(12):1265–83 (171 ref.)

Insulin use in NIDDM. Rationale based on pathophysiology of disease. Turner RC, et al. **Diabetes Care** 1990 Sep; 13(9):1011–20 (68 ref.)

Combined insulin and sulfonylurea therapy for type 2 diabetes mellitus. Riddle MC. **Diabetes Res Clin Pract** 1991 Jan; 11(1):3–8 (17 ref.)

Impact of activated glucose counterregulation on insulin requirements in insulin-dependent diabetes mellitus. Bolli GB, et al. **Horm Metab Res Suppl** 1990;24:87–96 (43 ref.)

Rationale of insulin therapy in insulin-dependent diabetes mellitus in children. Menon PS, et al. **Indian Pediatr** 1990 Nov;27(11):1201–8 (22 ref.)

Nutrition management for individuals with noninsulin-dependent diabetes mellitus in the 1990s: a review by the Diabetes Care and Education dietetic practice group. Beebe CA, et al. **J Am Diet Assoc** 1991 Feb;91(2):196–202, 205–7 (31 ref.)

Glycemic control, incipient diabetic nephropathy, and diabetic retinopathy. Hanssen KF, et al. **J Diabetic Complications** 1990 Apr–Jun;4(2):66–7 (20 ref.)

Strategies in diabetes mellitus. Start of a new era. Skyler JS. **Postgrad Med** 1991 May 1;89(6):45–6, 49, 53–6 passim

INSULIN-LIKE GROWTH FACTOR I

(25 ref.)

Antidiabetic agents. Francisco GE. **Prim Care** 1990 Sep; 17(3):499–519 (53 ref.)

[The new insulins: a result of molecular biology prowess, maybe a clinical advance?] Assan R. **Journ Annu Diabetol Hotel Dieu** 1991;:45–53 (12 ref.) **(Fre)**

[Advantages and drawbacks of human insulin] Zenobi PD. **Schweiz Med Wochenschr** 1991 Apr 6;121(14):475–81 (68 ref.) (Eng. Abstr.) **(Ger)**

[Insulin and its place in the therapy of diabetes mellitus types 1 and 2] Balabolkin MI. **Probl Endokrinol (Mosk)** 1990 Jul–Aug;36(4):63–9 (10 ref.) **(Rus)**

INSULIN ANTIBODIES

ANALYSIS

[Insulin antibodies: methodology and clinical implications] Sodoyez JC, et al. **Diabete Metab** 1991 Mar–Apr; 17(2):255–69 (87 ref.) (Eng. Abstr.) **(Fre)**

[Insulin and immunology--a correlation] Federlin K, et al. **Z Gesamte Inn Med** 1990 Oct 15;45(20):601–4 (14 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Insulin antibodies and insulin autoantibodies. Greenbaum CJ, et al. **Diabetic Med** 1991 Feb–Mar;8(2):97–105 (93 ref.)

PHYSIOLOGY

[Role of pancreatic islet cell antibodies and insulin autoantibodies in insulin-dependent diabetes mellitus] Hao W, et al. **Chung Hua Nei Ko Tsa Chih** 1990 Oct;29(10):624–7 (20 ref.) **(Chi)**

INSULIN INFUSION SYSTEMS

Electrochemical biosensors for extracorporeal measurements. Palleschi G, et al. **Biochem Soc Trans** 1991 Feb;19(1):5–9 (19 ref.)

Biomaterials for implanted closed loop insulin delivery system: a review. Wilkins E, et al. **Biosens Bioelectron** 1990; 5(3):167–213 (437 ref.)

A bioartificial pancreas to prevent diabetic microangiopathy? Reach G, et al. **Contrib Nephrol** 1990;78:157–64; discussion 165 (30 ref.)

Implantable insulin pumps: a current look. Saudek CD. **Diabetes Res Clin Pract** 1990 Oct;10(2):109–14 (20 ref.)

Fundamentals of glucose sensors. Fischer U. **Diabetic Med** 1991 May;8(4):309–21 (105 ref.)

The glucose sensor: the missing link in diabetes therapy. Pfeiffer EF. **Horm Metab Res Suppl** 1990;24:154–64 (33 ref.)

Implantable insulin pumps: a major piece of computerized diabetes therapy. Selam JL. **Horm Metab Res Suppl** 1990; 24:144–54 (76 ref.)

Bioengineering in development of the hybrid artificial pancreas. Colton CK, et al. **J Biomech Eng** 1991 May; 113(2):152–70 (191 ref.)

INSULIN-LIKE GROWTH FACTOR I

ANALYSIS

Insulin-like growth factors and their binding proteins: review of functions and clinical applications. Yeoh SI. **Ann Acad Med Singapore** 1990 Jul;19(4):497–500 (28 ref.)

Basic fibroblast growth factor and somatomedin C in human medulloepithelioma. Shiurba RA, et al. **Cancer** 1991 Aug 15;68(4):798–808 (102 ref.)

GENETICS

Expression of the insulin-like growth factor-I gene and its products: complex regulation by tissue specific and hormonal factors. Simmen FA. **Domest Anim Endocrinol** 1991 Apr;8(2):165–78 (121 ref.)

METABOLISM

Biochemical characterization of insulin-like growth factor binding proteins. Baxter RC. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:33–40 (40 ref.)

IGFBP-1. Production and control mechanisms. Hall K, et al. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:48–54 (45 ref.)

Growth factors in normal and malignant uterine tissue. Murphy LJ, et al. **Ann N Y Acad Sci** 1991;622:383–91 (27 ref.)

The insulin-like growth factors, their receptors, and their binding proteins in human breast cancer. Yee D, et al. **Cancer Treat Res** 1991;53:93–106 (55 ref.)

Age-related alterations of the growth hormone/insulin-like-growth-factor I axis. Kelijman M. **J Am Geriatr Soc** 1991 Mar;39(3):295–307 (156 ref.)

Insulin-like growth factor 1 receptors (IGF1-R) and IGF1 in human breast tumors. Peyrat JP, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):823–7 (29 ref.)

Binding proteins for the insulin-like growth factors: structure, regulation and function. Baxter RC, et al. **Prog Growth Factor Res** 1989;1(1):49–68 (112 ref.)

[The role of growth hormone in the development of

complications in insulin-dependent diabetes] Krawczuk-Rybak M, et al. **Padiatr Grenzgeb** 1991; 30(3):237–43 (37 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

The physiological role of IGFBP-1. Holly JM. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:55–62 (40 ref.)

Cartilage as a target tissue for growth hormone and insulin-like growth factor I. Isaksson OG, et al. **Acta Paediatr Scand Suppl** 1990;367:137–41 (35 ref.)

Growth hormone and insulin-like growth factor I in chronic renal failure—pathophysiology and rationale for growth hormone treatment. Mehls O, et al. **Acta Paediatr Scand Suppl** 1990;370:28–34; discussion 35 (40 ref.)

The renal growth hormone/insulin-like growth factor I axis. Hammerman MR. **Am J Kidney Dis** 1991 Jun;17(6):644–6 (14 ref.)

The role of growth hormone and insulin-like growth factor-I in experimental renal growth and scarring. el Nahas AM. **Am J Kidney Dis** 1991 Jun;17(6):677–9 (17 ref.)

Insulin-like growth factor I as an intraovarian regulator: basic and clinical implications. Adashi EY, et al. **Ann N Y Acad Sci** 1991;626:161–8 (31 ref.)

Nutritional regulation of IGF-I and IGF binding proteins. Clemmons DR, et al. **Annu Rev Nutr** 1991;11:393–412 (83 ref.)

Insulin-like growth factors in human breast cancer. Rosen N, et al. **Breast Cancer Res Treat** 1991 May;18 Suppl 1:S55–62 (48 ref.)

Insulinlike growth factors in human malignancy. Cullen KJ, et al. **Cancer Invest** 1991;9(4):443–54 (100 ref.)

Insulin and insulin-like growth factor I in early development: peptides, receptors and biological events. de Pablo F, et al. **Endocr Rev** 1990 Nov;11(4):558–77 (175 ref.)

Uterine insulin-like growth factor-1: regulation of expression and its role in estrogen-induced uterine proliferation. Murphy LJ, et al. **Endocr Rev** 1990 Aug;11(3):443–53 (97 ref.)

Molecular biology of the insulin-like growth factors. Relevance to nervous system function. Hepler JE, et al. **Mol Neurobiol** 1990 Spring-Summer;4(1–2):93–127 (205 ref.)

Anabolic-androgenic steroids profoundly affect growth at puberty in boys. Rogol AD, et al. **NIDA Res Monogr** 1990; 102:187–95 (16 ref.)

[Role of calcium in the action of insulin-like growth factor-I] Kojima I. **Seikagaku** 1990 Nov;62(11):1333–50 (24 ref.) **(Jpn)**

INSULIN-LIKE GROWTH FACTOR II

ANALYSIS

Insulin-like growth factors and their binding proteins: review of functions and clinical applications. Yeoh SI. **Ann Acad Med Singapore** 1990 Jul;19(4):497–500 (28 ref.)

GENETICS

Insulin-like growth factor II gene expression in human neuroblastoma. el-Badry OM. **Prog Clin Biol Res** 1991; 366:249–56 (25 ref.)

Opposite imprinting of the mouse Igf2 and Igf2r genes. Willison K. **Trends Genet** 1991 Apr;7(4):107–9 (16 ref.)

METABOLISM

Biochemical characterization of insulin-like growth factor binding proteins. Baxter RC. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:33–40 (40 ref.)

IGFBP-1. Production and control mechanisms. Hall K, et al. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:48–54 (45 ref.)

Insulin-like growth factor-II (IGF-II) and IGF binding proteins in human endometrium. Giudice LC, et al. **Ann N Y Acad Sci** 1991;626:295–307 (56 ref.)

Growth factors in normal and malignant uterine tissue. Murphy LJ, et al. **Ann N Y Acad Sci** 1991;622:383–91 (27 ref.)

The insulin-like growth factors, their receptors, and their binding proteins in human breast cancer. Yee D, et al. **Cancer Treat Res** 1991;53:93–106 (55 ref.)

Genomic imprinting and the strange case of the insulin-like growth factor II receptor. Haig D, et al. **Cell** 1991 Mar 22;64(6):1045–6 (16 ref.)

Binding proteins for the insulin-like growth factors: structure, regulation and function. Baxter RC, et al. **Prog Growth Factor Res** 1989;1(1):49–68 (112 ref.)

PHYSIOLOGY

The physiological role of IGFBP-1. Holly JM. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:55–62 (40 ref.)

Insulin-like growth factors in human breast cancer. Rosen N, et al. **Breast Cancer Res Treat** 1991 May;18 Suppl 1:S55–62 (48 ref.)

Insulinlike growth factors in human malignancy. Cullen KJ, et al. **Cancer Invest** 1991;9(4):443–54 (100 ref.)

Actions of pituitary prolactin and insulin-like growth factor II in human breast cancer. Shiu RP, et al. **Cancer Treat Res** 1988;40:167–83 (50 ref.)

Molecular biology of the insulin-like growth factors. Relevance to nervous system function. Hepler JE, et al. **Mol Neurobiol** 1990 Spring-Summer;4(1–2):93–127 (205 ref.)

INSULIN-LIKE GROWTH FACTORS see **SOMATOMEDINS**

INSULIN, PROTAMINE ZINC

ADMINISTRATION & DOSAGE

Premixed insulins. How do they compare with other insulin preparations? Hollander P. **Postgrad Med** 1991 Mar; 89(4):52–4, 57–8, 61 (5 ref.)

INSULIN RECEPTORS see **RECEPTORS, INSULIN**

INSULIN RESISTANCE

Role of liver in the pathogenesis of type II diabetes. Gerich JE. **Adv Second Messenger Phosphoprotein Res** 1990; 24:507–10 (13 ref.)

Insulin resistance in type II diabetes mellitus. Rizza R, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:511–6 (33 ref.)

Review: deterioration of glucose tolerance with age: the role of insulin resistance. Broughton DL, et al. **Age Ageing** 1991 May;20(3):221–5 (37 ref.)

Essential hypertension, metabolic disorders, and insulin resistance. Ferrannini E, et al. **Am Heart J** 1991 Apr;121(4 (Pt 2)):1274–82 (60 ref.)

Insulin resistance and compensatory hyperinsulinemia: role in hypertension, dyslipidemia, and coronary heart disease. Reaven GM. **Am Heart J** 1991 Apr;121(4 (Pt 2)):1283–8 (71 ref.)

Is hypertension an insulin-resistant state? Metabolic changes associated with hypertension and antihypertensive therapy. Sowers JR. **Am Heart J** 1991 Sep;122(3 (Pt 2)):932–5 (21 ref.)

Cytosolic calcium: a new factor in insulin resistance? Draznin B. **Diabetes Res Clin Pract** 1991 Mar;11(3):141–5 (35 ref.)

Insulin resistance and blood pressure regulation in obese and nonobese subjects. Special lecture. Rocchini AP. **Hypertension** 1991 Jun;17(6 Pt 2):837–42 (60 ref.)

Insulin resistance and hypertension. Slater EE. **Hypertension** 1991 Sep;18(3 Suppl):I108–14 (63 ref.)

Insulin resistance: a risk factor for diabetic complications. Beck-Nielsen H, et al. **J Diabetic Complications** 1990 Apr-Jun;4(2):46–8 (13 ref.)

Insulin resistance and hypertension. Sowers JR. **Mol Cell Endocrinol** 1990 Dec 3;74(2):C87–9 (17 ref.)

Insulin resistance—mechanisms, syndromes, and implications. Moller DE, et al. **N Engl J Med** 1991 Sep 26;325(13):938–48 (111 ref.)

[Hypertension, insulin resistance and diabetes mellitus: pathophysiological interactions and therapeutic consequences] Schernthaner G. **Wien Klin Wochenschr** 1990 Dec 21;102(24):707–12 (59 ref.) (Eng. Abstr.) **(Ger)**

[Arterial hypertension and insulin resistance: physiopathogenic and therapeutic implications] Ribeiro AB, et al. **Arq Bras Cardiol** 1991 Mar;56(3):185–8 (23 ref.) **(Por)**

GENETICS

Unusual forms of insulin resistance. Taylor SI, et al. **Annu Rev Med** 1991;42:373–9 (19 ref.)

Mutations in the insulin receptor gene in genetic forms of insulin resistance. Taylor SI, et al. **Recent Prog Horm Res** 1990;46:185–213; discussion 213–7 (80 ref.)

IMMUNOLOGY

[Insulin and immunology—a correlation] Federlin K, et al. **Z Gesamte Inn Med** 1990 Oct 15;45(20):601–4 (14 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Epidemiologic and clinical aspects of insulin resistance and hyperinsulinemia. Flack JM, et al. **Am J Med** 1991 Jul 18; 91(1A):11S–21S (76 ref.)

Guanine-nucleotide-binding proteins in diabetes and insulin-resistant states. Bushfield M, et al. **Biochem Soc Symp** 1990;56:137–54 (48 ref.)

Insulin resistance, energy balance and sympathetic nervous system activity. Landsberg L. **Clin Exp Hypertens [A]** 1990; 12(5):817–30 (49 ref.)

Insulin resistance. A multifaceted syndrome responsible for NIDDM, obesity, hypertension, dyslipidemia, and atherosclerotic cardiovascular disease. DeFronzo RA, et al. **Diabetes Care** 1991 Mar;14(3):173–94 (307 ref.)

Insulin resistance, hyperinsulinemia, hypertriglyceridemia, and hypertension. Parallels between human disease and rodent models. Reaven GM. **Diabetes Care** 1991 Mar; 14(3):195–202 (53 ref.)

On the paradox of insulin-induced hyperandrogenism in insulin-resistant states. Poretsky L. **Endocr Rev** 1991 Feb; 12(1):3–13 (152 ref.)

Clinical review 26: Insulin resistance in obese and nonobese man. Caro JF. **J Clin Endocrinol Metab** 1991 Oct; 73(4):691–5 (10 ref.)

Substrate interactions in the development of insulin resistance in type II diabetes and obesity. Sugden MC, et al. **J Endocrinol** 1990 Nov;127(2):187–90 (26 ref.)

Insulin resistance in hypertension—a relationship with consequences? Berne C. **J Intern Med Suppl** 1991;735:65–73 (59 ref.)

The insulin-antagonistic effect of the counterregulatory hormones. Lager I. **J Intern Med Suppl** 1991;735:41–7 (52 ref.)

Regulation of insulin action at the cellular level. Lönnroth P. **J Intern Med Suppl** 1991;735:23–9 (65 ref.)

Westernisation, insulin resistance and diabetes in Australian aborigines. O'Dea K. **Med J Aust** 1991 Aug 19; 155(4):258–64 (55 ref.)

Molecular mechanisms of insulin resistance. Pillay TS, et al. **S Afr Med J** 1991 May 18;79(10):607–13 (88 ref.)

[Significance of insulin resistance to the pathogenesis of diabetes mellitus type II] Ratzmann KP. **Pol Tyg Lek** 1989 May 22–29;44(21–22):507–8 (11 ref.) **(Pol)**

INSULINASE

GENETICS

An evolutionarily conserved TGF-alpha/insulin-degrading enzyme. Rosner MR. **Mol Reprod Dev** 1990 Sep;27(1):54–9 (16 ref.)

INSULINOMA

Recent advances in carcinoids and gastrointestinal neuroendocrine tumors. Basser RL, et al. **Curr Opin Oncol** 1991 Feb;3(1):109–20 (117 ref.)

[Neuroendocrine tumors of the pancreas and gastrointestinal tract] Höring E, et al. **Dtsch Med Wochenschr** 1991 Aug 2;116(31–32):1197–202 (35 ref.) **(Ger)**

SURGERY

[Insulinoma and anesthesia] Mora A, et al. **Rev Esp Anestesiol Reanim** 1991 Jan–Feb;38(1):25–8 (23 ref.) **(Spa)**

INSULOMA see **INSULINOMA**

INSURANCE

Evaluating the older insurance applicant. Taler GA. **Trans Assoc Life Insur Med Dir Am** 1991;74:53–64 (58 ref.)

INSURANCE CASE MANAGEMENT see **MANAGED CARE PROGRAMS**

INSURANCE CLAIM REPORTING

STANDARDS

Applying insurance claims data to assess quality of care: a compilation of potential indicators. Weiner JP, et al. **QRB Qual Rev Bull** 1990 Dec;16(12):424–38 (105 ref.)

INSURANCE, DENTAL

Dental insurance and senior Americans. Olsen ED. **J Am Coll Dent** 1991 Summer;58(2):22–5 (0 ref.)

Prosthodontics. Clinical practice—third-party relations. Review of the literature. Van Blarcom C. **J Prosthet Dent** 1990 Sep;64(3):293–310 (46 ref.)

INSURANCE, HEALTH

see related
HEALTH MAINTENANCE ORGANIZATIONS
PHYSICIAN'S PRACTICE PATTERNS

Paying for preventive care: moving the debate forward. Davis K, et al. **Am J Prev Med** 1990;6(4 Suppl):7–30 (48 ref.)

Financing health care for adolescents: problems, prospects, and proposals. Newacheck PW, et al. **J Adolesc Health Care** 1990 Sep;11(5):398–403 (24 ref.)

ECONOMICS

[Alcohol and insurance in the Netherlands] Schröder AE. **Versicherungsmedizin** 1991 Feb 1;43(1):27–9 (10 ref.) (Eng. Abstr.) **(Ger)**

ORGANIZATION & ADMINISTRATION

The cost and value of second surgical opinion programs: a critical review of the literature. Lindsey PA, et al. **J Health Polit Policy Law** 1990 Fall;15(3):543–70 (34 ref.)

TRENDS

Expanding health insurance coverage: who will pay? Cantor JC. **J Health Polit Policy Law** 1990 Winter;15(4):755–78 (31 ref.)

UTILIZATION

Applying insurance claims data to assess quality of care: a compilation of potential indicators. Weiner JP, et al. **QRB Qual Rev Bull** 1990 Dec;16(12):424–38 (105 ref.)

INSURANCE, HEALTH, CATASTROPHIC see **INSURANCE, MAJOR MEDICAL**

INSURANCE, HEALTH, FOR AGED AND DISABLED see **MEDICARE**

INSURANCE, HEALTH, REIMBURSEMENT

Third party payment and the cost of transplantation. Evans RW. **J S C Med Assoc** 1991 Jun;87(6):345–52 (22 ref.)

LEGISLATION & JURISPRUDENCE

Home care for the elderly. The new institution. Steel K. **Arch Intern Med** 1991 Mar;151(3):439–42 (47 ref.)

STANDARDS

Medicare reimbursement for geriatric assessment: report of the American Geriatrics Society Ad Hoc Committee on Geriatrics Assessment. Rubenstein LZ, et al. **J Am Geriatr Soc** 1991 Sep;39(9):926–31 (17 ref.)

INSURANCE, LIABILITY

LEGISLATION & JURISPRUDENCE

Posttraumatic stress disorder in tort actions: forensic minefield. Sparr LF, et al. **Bull Am Acad Psychiatry Law** 1990;18(3):283–302 (77 ref.)

INSURANCE, LIFE

[What importance do tumor markers have in life insurance medicine?] Binsack T, et al. **Versicherungsmedizin** 1990 Dec 1;42(6):157–62 (15 ref.) (Eng. Abstr.) **(Ger)**

[Disorders of lipid metabolism and insurance medicine practice] Mayer-Ohly E. **Versicherungsmedizin** 1991 Jun 1;43(3):65–71 (49 ref.) (Eng. Abstr.) **(Ger)**

ECONOMICS

[Alcohol and insurance in the Netherlands] Schröder AE. **Versicherungsmedizin** 1991 Feb 1;43(1):27–9 (10 ref.) (Eng. Abstr.) **(Ger)**

STATISTICS & NUMERICAL DATA

[Hepatitis B and risk in insurance medicine] Grenz D. **Versicherungsmedizin** 1990 Dec 1;42(6):165–70 (20 ref.) (Eng. Abstr.) **(Ger)**

INSURANCE, LONG TERM CARE

ORGANIZATION & ADMINISTRATION

Morbidity, disability, and long-term care of the elderly: implications for insurance financing. Liu K, et al. **Milbank Q** 1990;68(3):445–92 (47 ref.)

INSURANCE, MAJOR MEDICAL

see related
CATASTROPHIC ILLNESS

ECONOMICS

Understanding the cost of a catastrophic drug benefit [see comments] Schur CL, et al. **Health Aff (Millwood)** 1990 Fall;9(3):88–100 (20 ref.) Comment in: Health Aff (Millwood) 1991 Spring;10(1):210–4.

LEGISLATION & JURISPRUDENCE

The Medicare Catastrophic Coverage Act: a post-mortem. Rice T, et al. **Health Aff (Millwood)** 1990 Fall;9(3):75–87 (13 ref.)

INSURANCE, PHARMACEUTICAL SERVICES

ECONOMICS

Understanding the cost of a catastrophic drug benefit [see comments] Schur CL, et al. **Health Aff (Millwood)** 1990 Fall;9(3):88–100 (20 ref.) Comment in: Health Aff (Millwood) 1991 Spring;10(1):210–4.

Choices in prescription-drug benefit programs: mail versus community pharmacy services. Kirking DM, et al. **Milbank Q** 1990;68(1):29–51 (72 ref.)

ORGANIZATION & ADMINISTRATION

Prescription drugs, practicing physicians, and the elderly. Lavizzo-Mourey RJ, et al. **Health Aff (Millwood)** 1990 Fall; 9(3):20–35 (35 ref.)

Experience of state drug benefit programs. Soumerai SB, et al. **Health Aff (Millwood)** 1990 Fall;9(3):36–54 (45 ref.)

INTEGRAL MEMBRANE PROTEINS see **MEMBRANE PROTEINS**

INTEGRINS

Leucocyte cellular adhesion molecules. Yong K, et al. **Blood Rev** 1990 Dec;4(4):211–25 (195 ref.)

GPIIb-IIIa: the responsive integrin. Phillips DR, et al. **Cell** 1991 May 3;65(3):359–62 (21 ref.)

Immunohistochemical and molecular analysis of beta 1 and beta 3 integrins. Buck C, et al. **Cell Differ Dev** 1990 Dec 2;32(3):189–202 (70 ref.)

Epithelial integrins. Quaranta V. **Cell Differ Dev** 1990 Dec 2;32(3):361–5 (11 ref.)

ANALYSIS

Cell adhesion receptor expression during melanoma progression and metastasis. Hart IR, et al. **Cancer Metastasis Rev** 1991 Jun;10(2):115–28 (119 ref.)

Structural and functional studies of integrin receptors in cultured human keratinocytes. Marchisio PC, et al. **Cell Differ Dev** 1990 Dec 2;32(3):355–9 (28 ref.)

ANTAGONISTS & INHIBITORS

Disintegrins: a family of integrin inhibitory proteins from viper venoms. Gould RJ, et al. **Proc Soc Exp Biol Med** 1990 Nov;195(2):168–71 (32 ref.)

GENETICS

Genetic analysis of the Drosophila PS integrins. Wilcox M. **Cell Differ Dev** 1990 Dec 2;32(3):391–9 (34 ref.)

METABOLISM

Ligand binding to integrins: common and ligand specific recognition mechanisms. Ginsberg MH, et al. **Cell Differ Dev** 1990 Dec 2;32(3):203–13 (78 ref.)

The molecular basis and specificity of integrin–ligand interactions. Humphries MJ. **J Cell Sci** 1990 Dec;97 (Pt 4):585–92 (104 ref.)

PHYSIOLOGY

Expression of beta 1 integrins in normal human keratinocytes. Larjava H. **Am J Med Sci** 1991 Jan;301(1):63–8 (59 ref.)

Inflammation and cell–cell interactions in airway hyperresponsiveness. Leff AR, et al. **Am J Physiol** 1991 Apr;260(4 Pt 1):L189–206 (189 ref.)

Integrin structure and function in hemostasis and thrombosis. Bennett JS. **Ann N Y Acad Sci** 1991;614:214–28 (114 ref.)

The sensation and regulation of interactions with the extracellular environment: the cell biology of lymphocyte adhesion receptors. Springer TA. **Annu Rev Cell Biol** 1990; 6:359–402 (198 ref.)

Cell attachment and entry by Toxoplasma gondii. Joiner K. **Behring Inst Mitt** 1991 Feb;(88):20–6 (19 ref.)

Integrins and tumor invasion. Dedhar S. **Bioessays** 1990 Dec; 12(12):583–90 (70 ref.)

Molecular adhesion phenomena: ligands, receptors, protein domains and motifs. Soria M. **Boll Ist Sieroter Milan** 1989; 68(3):206–13 (64 ref.)

Actin–membrane interaction in focal adhesions. Burridge K, et al. **Cell Differ Dev** 1990 Dec 2;32(3):337–42 (35 ref.)

Mechanisms for organization of fibronectin matrix. Fogerty FJ, et al. **Cell Differ Dev** 1990 Dec 2;32(3):439–50 (75 ref.)

Integrins in human cells and tumors. Virtanen I, et al. **Cell Differ Dev** 1990 Dec 2;32(3):215–27 (56 ref.)

Integrins. Ruoslahti E. **J Clin Invest** 1991 Jan;87(1):1–5 (40 ref.)

[Molecular mechanisms of intercellular interactions mediated by cell-adhesion proteins and their receptors] Tatarintsev AV, et al. **Vestn Akad Med Nauk SSSR** 1991;(2):29–36 (114 ref.) **(Rus)**

[Integrins: the importance of cell adhesion] Humbria A, et al. **Med Clin (Barc)** 1990 Nov 10;95(16):630–5 (78 ref.) **(Spa)**

INTELLIGENCE

Behavioral genetics. Plomin R. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:165–80 (63 ref.)

PHYSIOLOGY

The paired-comparison paradigm and infant intelligence. Fagan JF 3d. **Ann N Y Acad Sci** 1990;608:337–57; discussion 358–64 (56 ref.)

Are frequent spike-waves during non-REM sleep in relation with an acquired neuro-psychological deficit in epileptic children? Billard C, et al. **Neurophysiol Clin** 1990 Dec; 20(6):439–53 (17 ref.)

INTELLIGENCE TESTS

Classify and control: genetic information in the schools. Nelkin D, et al. **Am J Law Med** 1991;17(1–2):51–73 (146 ref.)

An assessment of the cognitive abilities of multiply handicapped children: adaptations of the Uzgiris and Hunt scales and their use with children in Britain and Singapore. Sharpe P. **Child Care Health Dev** 1990 Nov–Dec; 16(6):335–53 (19 ref.)

INTENSIVE CARE see **CRITICAL CARE**

INTENSIVE CARE, NEONATAL

Adverse drug reactions in neonatal intensive care units. Bonati M, et al. **Adverse Drug React Acute Poisoning Rev** 1990 Summer; 9(2):103–18 (146 ref.)

Improving neonatal care in India: is there a place for developing neonatal intensive care units. Vigneswaran R, et al. **Indian J Pediatr** 1991 Mar–Apr;58(2):175–9 (12 ref.)

[The effects of intensive care for newborn infants] Dubbelman KA, et al. **Tijdschr Kindergeneeskd** 1991 Feb; 59(1):15–23 (46 ref.) (Eng. Abstr.) **(Dut)**

ECONOMICS

What is the actual cost of neonatal intensive care? Ewald U. **Int J Technol Assess Health Care** 1991;7 Suppl 1:155–61 (14 ref.)

Economic evaluation of neonatal intensive care. Which variables have to be known? Sinclair JC. **Int J Technol Assess Health Care** 1991;7 Suppl 1:146–50 (49 ref.)

Impact of surfactant treatment on cost of neonatal intensive care: a cost-benefit analysis. Merritt TA, et al. **J Perinatol** 1990 Dec;10(4):416–9 (34 ref.)

LEGISLATION & JURISPRUDENCE

Legal issues in neonatal intensive care. Rhoden NK. **Int J Technol Assess Health Care** 1991;7 Suppl 1:139–42 (7 ref.)

Swedish law and neonatal intensive care. Widman B. **Int J Technol Assess Health Care** 1991;7 Suppl 1:143–5 (49 ref.)

METHODS

Bronchopulmonary dysplasia: a new look at management. Southall DP, et al. **Arch Dis Child** 1990 Oct;65(10 Spec No):1089–95 (53 ref.)

[Management of the fetus with intrauterine growth retardation: the neonatologist's viewpoint] Langhendries JP, et al. **Rev Med Liege** 1991 May;46(5):262–9 (28 ref.) **(Fre)**

INTENSIVE CARE UNITS

Failure of infection control in intensive care units: can sucralfate improve the situation? Weinstein RA. **Am J Med** 1991 Aug 8;91(2A):132S–134S (15 ref.)

The evaluation of fever in the intensive care unit. Clarke DE, et al. **Chest** 1991 Jul;100(1):213–20 (58 ref.)

Imaging of the intensive care unit patient. Wiener MD, et al. **Clin Chest Med** 1991 Mar;12(1):169–98 (138 ref.)

Inotropic agents. Catecholamines, digoxin, amrinone. Notterman DA. **Crit Care Clin** 1991 Jul;7(3):583–613 (130 ref.)

Clinical trials of selective decontamination of the digestive tract: review. Reidy JJ, et al. **Crit Care Med** 1990 Dec; 18(12):1449–56 (38 ref.)

Technical requirements for evoked potential monitoring in the intensive care unit. Bertrand O, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:51–70 (64 ref.)

Antimicrobial chemotherapy in the intensive care unit. Saravolatz LD. **Henry Ford Hosp Med J** 1991;39(2):126–37 (47 ref.)

The epidemiology of infections in intensive care units. Emmerson AM. **Intensive Care Med** 1990;16 Suppl 3:S197–200 (20 ref.)

Selective decontamination in intensive care practice: a review of clinical experience. Ramsay G, et al. **Intensive Care Med** 1990;16 Suppl 3:S217–23 (51 ref.)

Treatment of sepsis in an intensive care unit. Smith CC. **Intensive Care Med** 1990;16 Suppl 3:S243–7 (42 ref.)

Infectious atypical pneumonia in the intensive care unit. Gurman G, et al. **Isr J Med Sci** 1991 Jul;27(7):408–15 (54 ref.)

Radiology in the intensive-care unit. Swensen SJ, et al. **Mayo Clin Proc** 1991 Apr;66(4):396–410 (54 ref.)

Pulmonary function testing in the intensive care unit. Macnaughton PD, et al. **Respir Med** 1990 Nov;84(6):437–43 (58 ref.)

Invasive techniques in the diagnosis of bacterial pneumonia in the intensive care unit. Chauncey JB, et al. **Semin Respir Infect** 1990 Sep;5(3):215–25 (66 ref.)

Nosocomial pneumonia in the 1990s: update of epidemiology and risk factors. Craven DE, et al. **Semin Respir Infect** 1990 Sep;5(3):157–72 (114 ref.)

Infection control and pneumonia prophylaxis strategies in the intensive care unit. Flaherty JP, et al. **Semin Respir Infect** 1990 Sep;5(3):191–203 (69 ref.)

Antimicrobial resistance in the intensive care unit. Grayson ML, et al. **Semin Respir Infect** 1990 Sep;5(3):204–14 (58 ref.)

Gram-negative colonization of the respiratory tract: pathogenesis and clinical consequences. Niederman MS. **Semin Respir Infect** 1990 Sep;5(3):173–84 (56 ref.)

Approach to therapy of respiratory infections in the critical care setting. Pennington JE. **Semin Respir Infect** 1990 Sep; 5(3):226–32 (69 ref.)

Enteral nutrition and infection in the intensive care unit. Pingleton SK. **Semin Respir Infect** 1990 Sep;5(3):185–90 (31 ref.)

Host responses in mediating sepsis and adult respiratory distress syndrome. Strieter RM, et al. **Semin Respir Infect** 1990 Sep;5(3):233–47 (112 ref.)

Diagnosis and treatment of pneumonia in the surgical intensive care unit [published erratum appears in Surg Gynecol Obstet 1991 Apr;172(4):324] Burchard K. **Surg Gynecol Obstet** 1990;171 Suppl:35–40 (15 ref.)

[Frequency of infections in intensive care units: an incidence survey] Godard J, et al. **Agressologie** 1990;31(8 Spec No):529–31 (15 ref.) (Eng. Abstr.) **(Fre)**

[Incidence of nosocomial respiratory tract diseases in intensive care units] Papazian L, et al. **Agressologie** 1990; 31(8 Spec No):541–2 (13 ref.) (Eng. Abstr.) **(Fre)**

[Patient status evaluation using severity scores in the general intensive care unit] Gurman G, et al. **Harefuah** 1990 Aug; 119(3–4):101–3 (20 ref.) **(Heb)**

[Intensive, intermediate and normal care (editorial)] Nadal Trías P, et al. **Med Clin (Barc)** 1990 Sep 22;95(9):338–40 (12 ref.) **(Spa)**

[Limitations and possibilities of enteral nutrition at an intensive care unit] Gassull Duro MA. **Nutr Hosp** 1990 May–Jun;5(3):147–52 (39 ref.) (Eng. Abstr.) **(Spa)**

STANDARDS

Peri-operative care for oesophagectomy patients. Byth PL, et al. **Aust Clin Rev** 1991;11(1–2):45–50 (12 ref.)

Improving the quality and utilization of critical care. Luce JM. **QRB Qual Rev Bull** 1991 Feb;17(2):42–7 (45 ref.)

Quality assurance in the surgical intensive care unit. Where it came from and where it's going. Osler T, et al. **Surg Clin North Am** 1991 Aug;71(4):887–904 (47 ref.)

INTENSIVE CARE UNITS, NEONATAL

Improving neonatal care in India: is there a place for developing neonatal intensive care units. Vigneswaran R, et al. **Indian J Pediatr** 1991 Mar–Apr;58(2):175–9 (12 ref.)

ECONOMICS

What is the actual cost of neonatal intensive care? Ewald U. **Int J Technol Assess Health Care** 1991;7 Suppl 1:155–61 (14 ref.)

ORGANIZATION & ADMINISTRATION

The critically ill neonate in the emergency department. Boychuk RB. **Emerg Med Clin North Am** 1991 Aug; 9(3):507–22 (15 ref.)

INTENSIVE CARE UNITS, PEDIATRIC

ORGANIZATION & ADMINISTRATION

Pediatric transport issues in emergency medicine. McCloskey KA, et al. **Emerg Med Clin North Am** 1991 Aug;9(3):475–89 (30 ref.)

INTERCALATED NEURON see **INTERNEURONS**

INTERCALATING AGENTS

Frameshift mutagenesis by acridines and other reversibly-binding DNA ligands. Ferguson LR, et al. **Mutagenesis** 1990 Nov;5(6):529–40 (94 ref.)

INTERCELLULAR JUNCTIONS

DRUG EFFECTS

Chemical, oncogene and growth factor inhibition gap junctional intercellular communication: an integrative hypothesis of carcinogenesis. Trosko JE, et al. **Pathobiology** 1990;58(5):265–78 (122 ref.)

METABOLISM

The gap junction family: structure, function and chemistry. Dermietzel R, et al. **Anat Embryol (Berl)** 1990; 182(6):517–28 (82 ref.)

The molecular basis for the assembly and modulation of adherens-type junctions. Geiger B, et al. **Cell Differ Dev** 1990 Dec 2;32(3):343–53 (33 ref.)

PHYSIOLOGY

Gap junctional intercellular communication and the regulation of connexin expression and function. Musil LS, et al. **Curr Opin Cell Biol** 1990 Oct;2(5):875–80 (15 ref.)

Ligand-receptor and junction-mediated cell–cell interactions: comparison of the two principles. Chailakhyan LM. **Differentiation** 1990 Oct;45(1):1–6 (15 ref.)

Lipids in gap junction assembly and function. Malewicz B, et al. **Lipids** 1990 Aug;25(8):419–27 (134 ref.)

Gap junctions: new tools, new answers, new questions. Bennett MV, et al. **Neuron** 1991 Mar;6(3):305–20 (133 ref.)

[Molecular mechanisms of intercellular interactions mediated by cell–adhesion proteins and their receptors] Tatarintsev AV, et al. **Vestn Akad Med Nauk SSSR** 1991;(2):29–36 (114 ref.) **(Rus)**

[Current theories on the neurotropic control (review of the literature)] Khabirov FA, et al. **Zh Nevropatol Psikhiatr** 1991;91(4):113–6 (95 ref.) **(Rus)**

ULTRASTRUCTURE

Ultrastructural correlates of meiotic maturation in mammalian oocytes. McGaughey RW, et al. **J Electron Microsc Tech** 1990 Dec;16(4):257–80 (77 ref.)

INTERCELLULAR SPACE see **EXTRACELLULAR SPACE**

INTERDIGITATING CELLS see **DENDRITIC CELLS**

INTERDISCIPLINARY HEALTH TEAM see **PATIENT CARE TEAM**

INTERFACE, USER COMPUTER see **USER-COMPUTER INTERFACE**

INTERFERON ALFA-2A

THERAPEUTIC USE

[Rational basis for the use of alfa-2a recombinant interferon in the treatment of mycosis fungoides (MF)] Mazza P, et al. **Haematologica** 1990 Jul–Aug;75 Suppl 4:78–81 (35 ref.) **(Ita)**

TOXICITY

5-Fluorouracil and recombinant interferon alfa-2a: review of activity and toxicity in advanced colorectal carcinomas. Pazdur R, et al. **Oncol Nurs Forum** 1991 Jan–Feb;18(1 Suppl):11–7 (18 ref.)

INTERFERON ALFA-2B

ADMINISTRATION & DOSAGE

[Carcinoma in situ of the urinary bladder—definition and status of treatment] Otto T, et al. **Urologe [A]** 1991 May; 30(3):163–6 (49 ref.) (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Intron A—a therapeutic focus. Haworth C. **Br J Clin Pract** 1990 Nov;44(11):471–4 (27 ref.)

Management of chronic viral hepatitis: focus on INTRON A (interferon alfa-2b). Monte-Carlo, 8–9 December 1989. Introduction. **J Hepatol** 1990;11 Suppl 1:S1–2 (0 ref.)

Recombinant alpha-interferon treatment of non-A, and non-B (type C) hepatitis: review of studies and recommendations for treatment. Davis GL. **J Hepatol** 1990; 11 Suppl 1:S72–7 (23 ref.)

[Long-term results in the treatment of metastasizing kidney carcinoma using recombinant alpha-2 or gamma interferon] Schneider AW, et al. **Helv Chir Acta** 1990 Nov; 57(3):415–21 (22 ref.) (Eng. Abstr.) **(Ger)**

INTERFERON ALFA-2C see **INTERFERON ALFA, RECOMBINANT**

INTERFERON ALFA-N1 see **INTERFERON TYPE I**

INTERFERON ALFA, RECOMBINANT

ADMINISTRATION & DOSAGE

Antiretroviral therapy in combination with interferon for AIDS-related Kaposi's sarcoma. Fischl MA. **Am J Med** 1991 Apr 10;90(4A):2S–7S (36 ref.)

Antiretroviral therapy and immunomodulators in patients with AIDS. Groopman JE. **Am J Med** 1991 Apr 10; 90(4A):18S–21S (21 ref.)

Treatment of AIDS with combinations of antiretroviral agents. Merigan TC. **Am J Med** 1991 Apr 10; 90(4A):8S–17S (35 ref.)

BIOSYNTHESIS

From cloning to a commercial realization: human alpha interferon. Baron E, et al. **Crit Rev Biotechnol** 1990; 10(3):179–90 (109 ref.)

PHARMACOLOGY

Augmentation of tumor antigen expression by recombinant human interferons: enhanced targeting of monoclonal antibodies to carcinomas. Greiner JW, et al. **Cancer Treat Res** 1990;51:413–32 (59 ref.)

THERAPEUTIC USE

Therapy of essential thrombocythemia with alpha-interferon: results and prospects. Lazzarino M, et al. **Eur J Haematol Suppl** 1990;52:15–21 (41 ref.)

Interferons in chronic viral hepatitis. Müller R. **Hepatogastroenterology** 1991 Feb;38(1):4–9 (83 ref.)

Recombinant alpha-interferon and verruca plantaris. A review of the literature. Johnson RE, et al. **J Am Podiatr Med Assoc** 1991 May;81(5):253–7 (39 ref.)

Alpha-interferon therapy of chronic hepatitis B. Current status and recommendations. Hoofnagle JH. **J Hepatol** 1990;11 Suppl 1:S100–7 (33 ref.)

Recombinant IFN-alpha in lymphomas. Ziegler-Heitbrock HW, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):213S–215S (16 ref.)

Prevention and treatment of hepatitis delta virus infection. Karayiannis P, et al. **Prog Clin Biol Res** 1991;364:377–83 (8 ref.)

[Pathogenetic mechanisms of chronic myeloid leukemia and the antiproliferative effects of alpha and gamma interferons] Cazzola M, et al. **Haematologica** 1990 Jul–Aug;75 Suppl 4:20–7 (52 ref.) **(Ita)**

[Role of alpha-interferon in the therapy of essential thrombocythemia] Lazzarino M, et al. **Haematologica** 1990 Jul–Aug;75 Suppl 4:41–7 (37 ref.) **(Ita)**

[Epithelioid sarcoma. Immunohistochemical study. Therapy with recombinant alfa interferon] Porta J, et al. **Med Cutan Ibero Lat Am** 1990;18(3):191–6 (20 ref.) (Eng. Abstr.) **(Spa)**

INTERFERON, ALPHA see **INTERFERON TYPE I**

INTERFERON, BETA see **INTERFERON TYPE I**

INTERFERON, FIBROBLAST see **INTERFERON TYPE I**

INTERFERON-GAMMA see **INTERFERON TYPE II**

INTERFERON GAMMA-1B see **INTERFERON GAMMA, RECOMBINANT**

INTERFERON GAMMA, RECOMBINANT

DIAGNOSTIC USE

Applications of monoclonal antibodies and recombinant cytokines for the treatment of human colorectal and other carcinomas. Greiner JW, et al. **J Surg Oncol Suppl** 1991; 2:9–13 (15 ref.)

PHARMACOLOGY

Augmentation of tumor antigen expression by recombinant human interferons: enhanced targeting of monoclonal antibodies to carcinomas. Greiner JW, et al. **Cancer Treat Res** 1990;51:413–32 (59 ref.)

THERAPEUTIC USE

Systemic therapy of advanced metastatic malignant melanoma with a combination of fibroblast interferon-beta and recombinant interferon-gamma. Kowalzick L, et al. **Dermatologica** 1990;181(4):298–303 (36 ref.)

[Long-term results in the treatment of metastasizing kidney carcinoma using recombinant alpha-2 or gamma interferon] Schneider AW, et al. **Helv Chir Acta** 1990 Nov; 57(3):415–21 (22 ref.) (Eng. Abstr.) **(Ger)**

[Pathogenetic mechanisms of chronic myeloid leukemia and the antiproliferative effects of alpha and gamma interferons] Cazzola M, et al. **Haematologica** 1990 Jul–Aug;75 Suppl 4:20–7 (52 ref.) **(Ita)**

INTERFERON, IMMUNE see **INTERFERON TYPE II**

INTERFERON, LEUKOCYTE see **INTERFERON TYPE I**

INTERFERON, LYMPHOBLAST see **INTERFERON TYPE I**

INTERFERON TYPE I

ADMINISTRATION & DOSAGE

[Treatment of chronic hepatitis B and C with alpha interferon] Hess G. **Z Gastroenterol Verh** 1991 Mar; 26:149–51 (16 ref.) **(Ger)**

[Treatment of condyloma acuminata using human lymphoblastoid interferon] Kinukawa T, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1295–300 (17 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

From cloning to a commercial realization: human alpha interferon. Baron E, et al. **Crit Rev Biotechnol** 1990; 10(3):179–90 (109 ref.)

[Structure-activity organization of leukocytic interferon] Petrenko VA, et al. **Mol Biol (Mosk)** 1990 Nov–Dec; 24(6):1495–503 (76 ref.) (Eng. Abstr.) **(Rus)**

HISTORY

The history of interferon and its use in animal therapy. Young AS, et al. **East Afr Med J** 1990 Jul;67(7 Suppl 2):SS31–63 (190 ref.)

PHYSIOLOGY

A role for interferons in early pregnancy. Roberts RM. **Bioessays** 1991 Mar;13(3):121–6 (41 ref.)

Immunopathology and viral reactivation. A general theory of schizophrenia. Waltrip RW 2d, et al. **J Nerv Ment Dis** 1990 Dec;178(12):729–38 (162 ref.)

Interferons at the placental interface. Roberts RM, et al. **J Reprod Fertil Suppl** 1990;41:63–74 (49 ref.)

[Conceptus interferon] Chen SZ. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):370–2 (17 ref.) **(Chi)**

THERAPEUTIC USE

The current status of interferon alpha in haemic malignancy. Galvani DW, et al. **Blood Rev** 1990 Sep;4(3):175–80 (49 ref.)

Systemic therapy of advanced metastatic malignant melanoma with a combination of fibroblast interferon-beta

and recombinant interferon-gamma. Kowalzick L, et al. **Dermatologica** 1990;181(4):298-303 (36 ref.)
Treatment of HIV infections and AIDS: new horizons. Koech DK, et al. **East Afr Med J** 1990 Jul;67(7 Suppl 2):SS77-81 (16 ref.)
Interferons in chronic viral hepatitis. Müller R. **Hepatogastroenterology** 1991 Feb;38(1):4-9 (83 ref.)
Interferon as treatment for viral hepatitis: a progress report. Lee WM. **J S C Med Assoc** 1990 Aug;86(8):440-4 (10 ref.)
Alpha interferon: perspectives in the biotherapy of chronic myelogenous leukemia. Terebelo HR. **Oncol Nurs Forum** 1991 Jan-Feb;18(1 Suppl):5-9 (31 ref.)
Prevention and treatment of hepatitis delta virus infection. Karayiannis P, et al. **Prog Clin Biol Res** 1991;364:377-83 (8 ref.)
[Treatment of chronic hepatitis caused by C and non-A, non-B virus (NANB)] Trepo C, et al. **Rev Fr Transfus Hemobiol** 1990 Oct;33(5):343-6 (10 ref.) **(Fre)**
[Therapy of chronic non-A, non-B hepatitis with interferon] Hess G. **Fortschr Med** 1991 Jan 20;109(2):33-4, 39-40 (19 ref.) (Eng. Abstr.) **(Ger)**
[Non-A, Non-B hepatitis: advances in diagnosis and therapy] Bühler H. **Schweiz Med Wochenschr** 1991 May 18; 121(20):721-6 (51 ref.) (Eng. Abstr.) **(Ger)**
[Treatment of renal carcinoma with alpha-interferon: biological bases and clinical results] Cetto GL, et al. **Ann Ital Med Int** 1990 Jul-Sep;5(3 Pt 1):205-15 (60 ref.) (Eng. Abstr.) **(Ita)**
[Alpha-interferon and myelodysplastic syndromes] Alessandrino EP, et al. **Haematologica** 1990 Jul-Aug;75 Suppl 4:51-5 (36 ref.) **(Ita)**
[Clinical use of alpha-interferon in onco-hematology: conclusions and prospects] Bernasconi C. **Haematologica** 1990 Jul-Aug;75 Suppl 4:82-4 (0 ref.) **(Ita)**
[Therapy with alpha-interferon in non-Hodgkin's lymphoma with a low grade of malignancy (correct title supplied from Table of Contents)] Chisesi T. **Haematologica** 1990 Jul-Aug;75 Suppl 4:72-7 (14 ref.) **(Ita)**
[Use of alpha-interferon in the treatment of hairy-cell leukemia] Pagnucco G, et al. **Haematologica** 1990 Jul-Aug; 75 Suppl 4:56-67 (90 ref.) **(Ita)**
[The successful use of natural alpha-interferon single therapy in multiple myeloma of IgD (lambda)-type] Suzuki A, et al. **Rinsho Ketsueki** 1991 Jan;32(1):47-51 (15 ref.) (Eng. Abstr.) **(Jpn)**
[Immunotherapy of urothelial neoplasms. Experimental and clinical implications of alpha interferon] Carballido J, et al. **Arch Esp Urol** 1990;43 Suppl 2:149-58 (62 ref.) **(Spa)**

INTERFERON TYPE I, RECOMBINANT see **INTERFERON ALFA, RECOMBINANT**

INTERFERON TYPE II

Gamma-interferon: an immunoregulatory lymphokine with immunotherapeutic potential. Lewis DB, et al. **Pediatr Infect Dis J** 1990 Sep;9(9):642-51 (164 ref.)

ADVERSE EFFECTS

Interferon-gamma and the contact allergic reaction. Scheynius A, et al. **Contact Dermatitis** 1990 Oct;23(4):230-3 (14 ref.)

BIOSYNTHESIS

Role of gamma interferon in Toxoplasma gondii infection. Subauste CS, et al. **Eur J Clin Microbiol Infect Dis** 1991 Feb;10(2):58-67 (88 ref.)
Interferon-gamma and the sexual dimorphism of autoimmunity. Sarvetnick N, et al. **Mol Biol Med** 1990 Aug; 7(4):323-31 (66 ref.)

IMMUNOLOGY

Interferon-gamma: mechanism of action and therapeutic potential. Billiau A, et al. **Biochem Pharmacol** 1990 Oct 1;40(7):1433-9 (60 ref.)
Gamma interferon, cytokine-induced macrophage activation, and antimicrobial host defense. In vitro, in animal models, and in humans. Murray HW. **Diagn Microbiol Infect Dis** 1990 Sep-Oct;13(5):411-21 (67 ref.)

METABOLISM

Relationship between interferon-gamma, indoleamine 2,3-dioxygenase, and tryptophan catabolism. Taylor MW, et al. **FASEB J** 1991 Aug;5(11):2516-22 (60 ref.)

PHARMACOLOGY

Inhibition of major histocompatibility complex class I antigen shedding up-regulates the surface expression of class I antigens on the lymphocyte cell surface. Guha A, et al. **Ann N Y Acad Sci** 1991;628:354-61 (16 ref.)
Implications for persistent chlamydial infections of phagocyte-microorganism interplay. Sarov I, et al. **Eur J Clin Microbiol Infect Dis** 1991 Feb;10(2):119-23 (57 ref.)
Chondrocyte mediated cartilage degradation: regulation by prostaglandin E2, cyclic AMP and interferon alpha. Steinberg JJ, et al. **J Rheumatol Suppl** 1991 Feb;27:63-5 (27 ref.)
Microbicidal activities of Salmonella typhimurium- and interferon-gamma-activated mouse peritoneal macrophages. Langermans JA, et al. **Pathobiology** 1991; 59(3):189-93 (21 ref.)

PHYSIOLOGY

Biological activity of gamma interferon. Dianzani F, et al. **Ann Ist Super Sanita** 1990;26(3-4):255-61 (66 ref.)
Interferon-gamma and chronic granulomatous disease. Dinauer MC, et al. **Curr Opin Immunol** 1991 Feb;3(1):61-4 (33 ref.)

THERAPEUTIC USE

[Treatment of mesothelioma with interferon gamma and interleukin 2] Boutin C, et al. **Rev Pneumol Clin** 1990; 46(5):211-5 (26 ref.) (Eng. Abstr.) **(Fre)**

INTERFERON TYPE II, RECOMBINANT see **INTERFERON GAMMA, RECOMBINANT**

INTERFERONS

The interferons. Mechanisms of action and clinical applications. Baron S, et al. **JAMA** 1991 Sep 11; 266(10):1375-83 (132 ref.)

ADMINISTRATION & DOSAGE

Is interferon effective after oral administration? The state of the art. Bocci V. **J Biol Regul Homeost Agents** 1990 Apr-Jun;4(2):81-3 (17 ref.)
[Dosage forms of interferon] Alekseev KV, et al. **Antibiot Khimioter** 1990 Sep;35(9):51-4 (56 ref.) **(Rus)**

ADVERSE EFFECTS

Cardiotoxicity of interferon. A review of 44 cases. Sonnenblick M, et al. **Chest** 1991 Mar;99(3):557-61 (35 ref.)

ANTAGONISTS & INHIBITORS

[The interferon system: inhibitors of interferon action] Parfenov VV, et al. **Farmakol Toksikol** 1990 Nov-Dec; 53(6):71-7 (79 ref.) (Eng. Abstr.) **(Rus)**

CHEMISTRY

Trophoblast proteins and maternal recognition of pregnancy. Roberts RM, et al. **Oxf Rev Reprod Biol** 1990;12:147-80 (147 ref.)

GENETICS

Interferons: from molecular biology to man. Part 2. Interferons and cell function. Balkwill FR. **Microbiol Sci** 1986 Aug;3(8):229-33 (21 ref.)
Interferons: from molecular biology to man. Part 1. Genetics and molecular biology of the interferon system. Balkwill FR. **Microbiol Sci** 1986 Jul;3(7):212-5 (20 ref.)
[Cellular responses by cytokines--gene regulation in the IFN system] Taniguchi T. **Rinsho Ketsueki** 1991 Apr;32(4):301-6 (9 ref.) (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Interferon immunomodulation in domestic food animals. Bielefeldt-Ohmann H, et al. **Adv Vet Sci Comp Med** 1990; 35:215-30 (89 ref.)
Immunology of HIV infection, I: Biology of the interferons. Laurence J. **AIDS Res Hum Retroviruses** 1990 Oct; 6(10):1149-56 (40 ref.)
What roles have anti-interferon antibodies in physiology and pathology? Bocci V. **Ric Clin Lab** 1991 Jan-Mar; 21(1):79-84 (44 ref.)
[The interferon system in rheumatoid arthritis] Seĭlanov LS, et al. **Revmatologiia (Mosk)** 1990 Apr-Jun;(2):54-60 (71 ref.) **(Rus)**
[The interferon status in different diseases] Ershov FI, et al. **Vopr Virusol** 1990 Nov-Dec;35(6):444-8 (6523 ref.) **(Rus)**
[The interferon system in HIV infection] Kuznetsov VP. **Vopr Virusol** 1991 Mar-Apr;36(2):92-6 (36 ref.) **(Rus)**

METABOLISM

Interferon is a polypeptide hormone. Faltynek CR, et al. **Microbiol Sci** 1984 Jul;1(4):81-5 (41 ref.)
[The interferon system and interferon receptor binding] Gribaudo G, et al. **Haematologica** 1990 Jul-Aug;75 Suppl 4:3-9 (26 ref.) **(Ita)**

PHARMACOKINETICS

Clinical pharmacokinetics of interferons. Wills RJ. **Clin Pharmacokinet** 1990 Nov;19(5):390-9 (85 ref.)

PHARMACOLOGY

Interferon-induced proteins and the antiviral state. Staeheli P. **Adv Virus Res** 1990;38:147-200 (214 ref.)
Role of biological response modifiers in immunochemotherapy of solid tumors and retroviral-induced leukemia. Fuggetta MP, et al. **Ann Ist Super Sanita** 1990;26(3-4):385-95 (86 ref.)
Modulation of melanoma antigens by interferons. Murray JL, et al. **Cancer Treat Res** 1991;54:153-67 (41 ref.)
Development and mechanisms of interferon resistance. Kloke O, et al. **Cancer Treat Rev** 1990 Dec;17 Suppl A:81-8 (52 ref.)
The control of interferon-inducible gene expression. Kerr IM, et al. **FEBS Lett** 1991 Jul 22;285(2):194-8 (43 ref.)
Interferon action on membrane-associated viruses: a minireview. Friedman RM. **J Exp Pathol** 1990;5(2):49-51 (3 ref.)
[Hairy-cell leukemia as a model for studying the effects of interferon on the immune system] Semenzato G, et al. **Haematologica** 1990 Jul-Aug;75 Suppl 4:10-9 (87 ref.) **(Ita)**

PHYSIOLOGY

Spectrum of biological activity of interferons. Battistini A, et al. **Ann Ist Super Sanita** 1990;26(3-4):227-53 (324 ref.)
Transcriptional regulation of interferon-stimulated genes. Williams BR. **Eur J Biochem** 1991 Aug 15;200(1):1-11 (110 ref.)
The role of interferon and tumor necrosis factor in the pathogenesis of AIDS. Lau AS, et al. **J Exp Pathol** 1990; 5(3):111-22 (45 ref.)
The interferon-gamma receptor: a comparison with other cytokine receptors. Aguet M. **J Interferon Res** 1990 Dec; 10(6):551-8 (62 ref.)
Biologic effects of interferons. Gresser I. **J Invest Dermatol** 1990 Dec;95(6 Suppl):66S-71S (80 ref.)
Immunologic effects of interferon. Knop J. **J Invest Dermatol** 1990 Dec;95(6 Suppl):72S-74S (25 ref.)
Current topic: interferon and human placental development. Loke YW, et al. **Placenta** 1990 Jul-Aug;11(4):291-9 (67 ref.)
Antiviral actions of interferon. Interferon-regulated cellular proteins and their surprisingly selective antiviral activities. Samuel CE. **Virology** 1991 Jul;183(1):1-11 (95 ref.)
[Interferons. Endogenous virostatic drugs, cytostatic drugs and immunomodulators] Uhl D. **Med Monatsschr Pharm** 1991 Mar;14(3):66-9 (2 ref.) **(Ger)**

THERAPEUTIC USE

Interferons: therapeutic potential in cutaneous diseases. Vance JC. **Adv Dermatol** 1991;6:3-33; discussion 34 (178 ref.)
Interferons and lung cancer: preclinical and clinical investigations. Fergusson RJ, et al. **Cancer Treat Res** 1989; 45:173-82 (28 ref.)
Interferon in haematological disorders. de Mel C. **Ceylon Med J** 1991 Mar;36(1):4-6 (13 ref.)
Interferon treatment of anogenital human papillomavirus-related diseases. Trofatter KF Jr. **Dermatol Clin** 1991 Apr;9(2):343-52 (58 ref.)
Prolonged survival in resistant myeloma after treatment with interferon--a case report and review. Edwards DR. **Hematol Oncol** 1991 Jan-Feb;9(1):1-7 (25 ref.)
Interferon and other biologic agents for the treatment of Kaposi's sarcoma. Krown SE. **Hematol Oncol Clin North Am** 1991 Apr;5(2):311-22 (79 ref.)
Interferon and condylomata acuminata. Lebwohl M, et al. **Int J Dermatol** 1990 Dec;29(10):699-705 (57 ref.)
The biological basis for clinical use of interferon. Dianzani F, et al. **J Hepatol** 1990;11 Suppl 1:S5-10 (42 ref.)
Therapy of chronic viral hepatitis. Main J. **J Hosp Infect** 1991 Jun;18 Suppl A:335-40 (27 ref.)
The therapeutic role of interferons and monoclonal antibodies in cutaneous T-cell lymphomas. Bunn PA Jr, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):209S-212S (29 ref.)
Interferon as an agent against herpes simplex virus. Ho M. **J Invest Dermatol** 1990 Dec;95(6 Suppl):158S-160S (33 ref.)
Role of interferons in the therapy of melanoma. Kirkwood JM, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):180S-184S (32 ref.)
Clinical evaluation of interferons in malignant melanoma. McLeod GR, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):185S-187S (15 ref.)
Interferon in the treatment of AIDS-associated Kaposi's sarcoma: the American experience. Safai B, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):166S-169S (33 ref.)
Interferon therapy in the chronic aggressive viral hepatitis. Voiculescu M. **Med Interne** 1990 Jul-Sep;28(3):187-98 (53 ref.)
Interferons: from molecular biology to man. Part 3. Interferons and disease. Balkwill FR. **Microbiol Sci** 1986 Sep;3(9):281-4 (24 ref.)
Prevention and therapy of viral hepatitis. Katkov WN, et al. **Semin Liver Dis** 1991 May;11(2):165-74 (80 ref.)
[Interferon and its use for treating hairy cell leukemia] Markov V. **Vutr Boles** 1990;29(3):34-40 (19 ref.) **(Bul)**
[Current view on the anti-hepatitis B therapy] Guan P, et al. **Chung Hua I Hsueh Tsa Chih** 1991 Apr;71(4):234-8 (25 ref.) **(Chi)**
[Interferons. Basic principles and use in clinic and general practice] Hündgen M, et al. **Med Monatsschr Pharm** 1991 Jun;14(6):164-73 (24 ref.) **(Ger)**
[The value of interferons, interleukin-2 and tumor necrosis factor in the therapy of renal cell cancer] Wirth M. **Urologe [A]** 1991 Mar;30(2):77-80 (34 ref.) (Eng. Abstr.) **(Ger)**
[Interferon: a new weapon in the therapeutic strategy of multiple myeloma] Avvisati G, et al. **Haematologica** 1990 Jul-Aug;75 Suppl 4:68-71 (38 ref.) **(Ita)**

[Interferon in the treatment of Philadelphia-positive chronic myeloid leukemia] Morra E, et al. **Haematologica** 1990 Jul-Aug;75 Suppl 4:33-40 (54 ref.) **(Ita)**

[Therapeutic use of interferon: current trends and prospects] Laghi V, et al. **Medicina (Firenze)** 1990 Apr-Jun; 10(2):201-11 (136 ref.) **(Ita)**

[Interferon--clinical application] Zamorska I, et al. **Wiad Lek** 1990 Jun 1;43(11):548-51 (58 ref.) (Eng. Abstr.) **(Pol)**

[Natural killer cells in the interferon therapy of cancer patients] Shparyk IaV, et al. **Vopr Onkol** 1991;37(2):136-43 (52 ref.) **(Rus)**

INTERIOR DESIGN AND FURNISHINGS

STANDARDS

Maternal positions during labor. Johnson N, et al. **Obstet Gynecol Surv** 1991 Jul;46(7):428-34 (65 ref.)

INTERIOR FURNISHINGS see **INTERIOR DESIGN AND FURNISHINGS**

INTERLEUKIN-1

ANALYSIS

Determination of IL1 alpha, IL1 beta and IL2 in biological media using specific enzyme immunometric assays. Grassi J, et al. **Immunol Rev** 1991 Feb;119:125-45 (44 ref.)

ANTAGONISTS & INHIBITORS

Chronic inflammatory joint diseases: natural inhibitors of interleukin 1 and tumor necrosis factor alpha. Dayer JM. **J Rheumatol Suppl** 1991 Feb;27:71-5 (33 ref.)

BIOSYNTHESIS

[Induction of interleukin-1 synthesis. A new criterion of biocompatibility of extracorporeal circuits] Haeffner-Cavaillon N, et al. **Presse Med** 1991 May 4; 20(17):797-801 (23 ref.) (Eng. Abstr.) **(Fre)**

CHEMISTRY

Human interleukin 1: structure-function relationship. Boraschi D, et al. **Ann Ist Super Sanita** 1990;26(3-4):273-82 (69 ref.)

GENETICS

Signals involved in interleukin 1 synthesis and release by lipopolysaccharide-stimulated monocytes/macrophages. Cavaillon JM, et al. **Cytokine** 1990 Sep;2(5):313-29 (210 ref.)

IMMUNOLOGY

Interleukin 1 and other human keratinocyte cytokines: molecular and functional characterization. Kupper TS. **Adv Dermatol** 1988;3:293-307 (50 ref.)

Interleukin-1, immune activation pathways, and different mechanisms in osteoarthritis and rheumatoid arthritis. Kirkham B. **Ann Rheum Dis** 1991 Jun;50(6):395-400 (85 ref.)

Antibodies and their role in interleukin-1 research. Gaffney EV, et al. **Immunol Rev** 1991 Feb;119:181-201 (38 ref.)

The role of inflammatory mediators in the pathogenesis of periodontal disease. Page RC. **J Periodont Res** 1991 May; 26(3 (Pt 2)):230-42 (97 ref.)

Inflammatory mediators and interstitial cystitis. Felsen D, et al. **Semin Urol** 1991 May;9(2):102-7 (50 ref.)

METABOLISM

Interleukin-1 in human skin: dysregulation in psoriasis. Cooper KD, et al. **J Invest Dermatol** 1990 Nov; 95(5):24S-26S (14 ref.)

PHARMACOLOGY

The mechanism of action of interleukin-1: a cytokine acting through glycosyl-phosphatidylinositol hydrolysis? Dobson PR, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:170-5 (19 ref.)

Interleukin 8 and MCAF: novel inflammatory cytokines inducible by IL 1 and TNF. Matsushima K, et al. **Cytokine** 1989 Nov;1(1):2-13 (50 ref.)

Biological effects and possible clinical applications of interleukin 1. Starnes HF Jr. **Semin Hematol** 1991 Apr;28(2 Suppl 2):34-41 (85 ref.)

[Arthritis from a biochemical aspect] Baici A. **Ther Umsch** 1991 Jan;48(1):13-7 (14 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Are TNF-alpha and IL-1 beta relevant in the pathogenesis of migraine without aura? Covelli V, et al. **Acta Neurol (Napoli)** 1991 Apr;13(2):205-11 (20 ref.)

Neuroendocrinology of interleukin-1. Berkenbosch F, et al. **Adv Exp Med Biol** 1990;274:303-14 (80 ref.)

In vivo evidence for a key role of IL-1 in cartilage destruction in experimental arthritis. van den Berg WB, et al. **Agents Actions Suppl** 1991;32:159-63 (6 ref.)

Interleukin-1: biology, pathophysiology, and clinical prospects. Platanias LC, et al. **Am J Med** 1990 Nov; 89(5):621-9 (146 ref.)

Interleukin 1, a prototypic pleiotropic lymphokine. Ghezzi P, et al. **Ann Ist Super Sanita** 1990;26(3-4):263-71 (68 ref.)

Regulation of hematopoiesis by interleukin-1. Fibbe WE, et al. **Biotherapy** 1990;2(4):325-35 (76 ref.)

Interleukin-1 and interleukin-1 antagonism. Dinarello CA. **Blood** 1991 Apr 15;77(8):1627-52 (326 ref.)

Interleukin-1 and inhibition of interleukin-1 in hemodialysis patients. Dinarello CA. **Contrib Nephrol** 1990;86:48-69; discussion 69-72 (62 ref.)

The involvement of TNF, IL-1 and IL-6 in the immune response to protozoan parasites. Titus RG, et al. **Immunol Today** 1991 Mar;12(3):A13-6 (50 ref.)

[Interleukin-1 and other proinflammatory cytokines] Miossec P. **Pediatrie** 1991;46(2):135-9 (18 ref.) (Eng. Abstr.) **(Fre)**

SECRETION

Interleukin 1 beta and thioredoxin are secreted through a novel pathway of secretion. Rubartelli A, et al. **Biochem Soc Trans** 1991 Apr;19(2):255-9 (20 ref.)

THERAPEUTIC USE

[Interleukin-1 and interleukin-2] Uhl D. **Med Monatsschr Pharm** 1990 Oct 10;13(10):298-302 (5 ref.) **(Ger)**

INTERLEUKIN-2

Interleukin-2: basic biology and therapeutic use. Williams TM, et al. **Hematol Pathol** 1991;5(2):45-55 (94 ref.)

ADMINISTRATION & DOSAGE

Complete resolution of multiple pulmonary metastases of renal cell carcinoma following intravenous drip infusion of r-interleukin 2: a case report. Mizuo T, et al. **Hinyokika Kiyo** 1990 Aug;36(8):931-5 (17 ref.)

The clinical significance of interleukin-2. Bergmann L. **Onkologie** 1990 Dec;13(6):416-22 (64 ref.)

ADVERSE EFFECTS

Interleukin-2 toxicity. Siegel JP, et al. **J Clin Oncol** 1991 Apr;9(4):694-704 (83 ref.)

ANALYSIS

Determination of IL1 alpha, IL1 beta and IL2 in biological media using specific enzyme immunometric assays. Grassi J, et al. **Immunol Rev** 1991 Feb;119:125-45 (44 ref.)

BIOSYNTHESIS

Is schizophrenia caused by excessive production of interleukin-2 and interleukin-2 receptors by gastrointestinal lymphocytes? Smith RS. **Med Hypotheses** 1991 Mar; 34(3):225-9 (42 ref.)

GENETICS

Diphtheria-related peptide hormone gene fusions: a molecular genetic approach to chimeric toxin development. Murphy JR. **Cancer Treat Res** 1988;37:123-40 (51 ref.)

Fluorescence-based monitoring of interleukin-2 gene expression. Emilie D, et al. **Immunol Rev** 1991 Feb; 119:95-103 (46 ref.)

IMMUNOLOGY

Cytokines in the pathophysiology of systemic lupus erythematosus. Goldman M. **Autoimmunity** 1990;8(2):173-9 (94 ref.)

PHARMACOLOGY

Interleukin-2-induced lung permeability is mediated by leukotriene B4. Klausner JM, et al. **Cancer** 1990 Dec 1; 66(11):2357-64 (38 ref.)

Adoptive cellular immunotherapy for cancer: interleukin-2 activated lymphocytes. Wolf JA Jr, et al. **Curr Opin Oncol** 1989 Dec;1(2):249-57 (28 ref.)

The interleukin-2 receptor. Waldmann TA. **J Biol Chem** 1991 Feb 15;266(5):2681-4 (34 ref.)

[Renal effects of recombinant interleukin-2] Belousesky Y, et al. **Harefuah** 1991 Apr 1;120(7):386-8 (28 ref.) **(Heb)**

PHYSIOLOGY

Transmembrane signalling by interleukin 2. Mills GB, et al. **Biochem Soc Trans** 1991 Apr;19(2):277-87 (115 ref.)

Regulatory effects of IL-4 on human B-cell response to IL-2. Galanaud P, et al. **Eur Cytokine Netw** 1990 May-Jun; 1(2):57-64 (48 ref.)

The IL-2 mediated amplification of cellular cytotoxicity. Grimm EA, et al. **J Cell Biochem** 1991 Apr;45(4):335-9 (17 ref.)

The proinflammatory cytokines interleukin-1 and tumor necrosis factor and treatment of the septic shock syndrome. Dinarello CA. **J Infect Dis** 1991 Jun;163(6):1177-84 (89 ref.)

Interleukin-2: counteracting pleiotropy by compartmentalization. Kroemer G, et al. **New Biol** 1991 Mar;3(3):219-29 (141 ref.)

Is interleukin 2 a neuromodulator in the brain? Nisticò G, et al. **Trends Neurosci** 1991 Apr;14(4):146-50 (56 ref.)

[Molecular basis of the communication of the nervous, endocrine and immune systems] Brunetti L. **Clin Ter** 1991 Mar 15;136(5):301-20 (254 ref.) (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Interleukin 2 in cancer therapy. Testa U, et al. **Ann Ist Super Sanita** 1990;26(3-4):283-334 (457 ref.)

Local/regional recombinant interleukin 2 (rIL-2) immunotherapy of tumors. Intra-arterial continuous infusion of rIL-2 in bladder cancer patients: a phase I study. Velotti F, et al. **Ann Ist Super Sanita** 1990;26(3-4):411-21 (68 ref.)

Prolonged interleukin-2 (IL-2) treatment can augment immune activation without enhancing antitumor activity in renal cell carcinoma. Sosman JA, et al. **Cancer Invest** 1991;9(1):35-48 (86 ref.)

Recombinant interleukin-2: a biological response modifier [see comments] Kintzel PE, et al. **Clin Pharm** 1991 Feb; 10(2):110-28 (142 ref.) Comment in: Clin Pharm 1991 Feb;10(2):141-2.

Problems, controversies, and perspectives on the clinical use of interleukin-2. Gambacorti-Passerini C, et al. **Curr Opin Oncol** 1990 Dec;2(6):1139-45 (23 ref.)

Recombinant interleukin-2 and other types of treatment of advanced malignant melanoma. Thatcher N. **Curr Opin Oncol** 1991 Apr;3(2):364-76 (91 ref.)

Clinical use of biologic response modifiers in cancer treatment: an overview. Part II. Colony-stimulating factors and interleukin-2. Balmer CM. **DICP** 1991 May;25(5):490-8 (87 ref.)

Interleukin-2: prospects for lymphocyte-mediated destruction of pediatric malignancies. Sondel PM. **J Pediatr** 1991 Mar;118(3):S14-6 (11 ref.)

Lessons from the clinical trials of interleukin-2. Parkinson DR. **Nat Immun Cell Growth Regul** 1990;9(4):242-52 (61 ref.)

Interleukin-2, killer cells and cancer therapy: an overview. Parkinson DR, et al. **Nat Immun Cell Growth Regul** 1990; 9(4):237-41 (22 ref.)

The biological basis for interleukin-2 anticancer therapy. Silver HK, et al. **Prog Clin Biol Res** 1990;354B:37-52 (50 ref.)

[Interleukin-2 based immunotherapy of cancer] Geertsen PF, et al. **Ugeskr Laeger** 1990 Nov 19;152(47):3513-7 (30 ref.) (Eng. Abstr.) **(Dan)**

[Treatment of mesothelioma with interferon gamma and interleukin 2] Boutin C, et al. **Rev Pneumol Clin** 1990; 46(5):211-5 (26 ref.) (Eng. Abstr.) **(Fre)**

[Immunotherapy of malignant diseases using interleukin 2. Bases, results, trends] Gause A, et al. **Med Klin** 1990 Sep 15;85(9):561-6, 570 (47 ref.) **(Ger)**

[Interleukin-1 and interleukin-2] Uhl D. **Med Monatsschr Pharm** 1990 Oct 10;13(10):298-302 (5 ref.) **(Ger)**

[The value of interferons, interleukin-2 and tumor necrosis factor in the therapy of renal cell cancer] Wirth M. **Urologe [A]** 1991 Mar;30(2):77-80 (34 ref.) (Eng. Abstr.) **(Ger)**

[A case of Stewart-Treves syndrome--treatment with recombinant interleukin 2 and a review of Japanese literature] Nabeya R, et al. **Nippon Hifuka Gakkai Zasshi** 1990 Sep;100(10):1029-39 (56 ref.) (Eng. Abstr.) **(Jpn)**

[Interleukin-2 and adoptive immunotherapy: their biological aspects and clinical application in oncology] Barón Saura JM, et al. **Rev Clin Esp** 1991 May;188(9):468-72 (56 ref.) (Eng. Abstr.) **(Spa)**

TOXICITY

[The cardiovascular toxicity of interleukin-2: the pathogenic mechanisms and treatment] Lissoni P, et al. **G Ital Cardiol** 1990 Jul;20(7):631-5 (20 ref.) **(Ita)**

INTERLEUKIN-2 RECEPTORS see **RECEPTORS, INTERLEUKIN-2**

INTERLEUKIN-3

PHARMACOLOGY

Cytokines in tumor therapy. Interleukin-3. Kurzrock R, et al. **Am J Clin Oncol** 1991;14 Suppl 1:S45-50 (27 ref.)

Molecular and cellular biology of interleukin-3. Morris CF, et al. **Immunol Ser** 1990;49:177-214 (144 ref.)

Interleukin 3: biological and clinical effects. Oster W, et al. **Int J Cell Cloning** 1991 Jan;9(1):5-23 (79 ref.)

PHYSIOLOGY

Control of proliferation by myeloid growth factors. Vallance SJ, et al. **Biochem Soc Trans** 1991 Apr;19(2):307-15 (126 ref.)

Interleukin-3. Wagemaker G, et al. **Biotherapy** 1990; 2(4):337-45 (41 ref.)

Hematopoietic effects of a granulocyte-macrophage colony-stimulating factor/interleukin-3 fusion protein. Williams DE, et al. **Cancer** 1991 May 15;67(10 Suppl):2705-7 (5 ref.)

Interleukin-3 (IL-3) and granulocyte-macrophage colony-stimulating factor (GM-CSF): two cytokines

increasing histamine synthesis by hematopoietic cells. Dy M, et al. **Eur Cytokine Netw** 1991 May-Jun;2(3):153-72 (195 ref.)
Cell-mediated immunity: role of IL-3 and IL-6 in the regulation of contact sensitivity reaction. Marcinkiewicz J. **Folia Histochem Cytobiol** 1990;28(3):107-19 (44 ref.)
Interleukin 3: biological and clinical effects. Oster W, et al. **Int J Cell Cloning** 1991 Jan;9(1):5-23 (79 ref.)
[The role of hematopoietic growth factors in the regulation of normal and pathological hematopoiesis] Welte K. **Verh Dtsch Ges Pathol** 1990;74:25-7 (15 ref.) (Eng. Abstr.) **(Ger)**
[Interleukin 3--biochemical properties and biological activities] Berezowicz PS. **Postepy Hig Med Dosw** 1990; 44(4-6):181-216 (141 ref.) (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Clinical effects of recombinant human interleukin-3. Ganser A, et al. **Am J Clin Oncol** 1991;14 Suppl 1:S51-63 (56 ref.)
Interleukin-3. Wagemaker G, et al. **Biotherapy** 1990; 2(4):337-45 (41 ref.)
Why clinicians should be interested in interleukin-3. Valent P, et al. **Blut** 1990 Dec;61(6):338-45 (119 ref.)
Interleukin 3 alone and in combination with GM-CSF in the treatment of patients with neoplastic disease. Hoelzer D, et al. **Semin Hematol** 1991 Apr;28(2 Suppl 2):17-24 (31 ref.)
[In vitro effects and possible clinical relevance of interleukin 3] Zwierzina H, et al. **Acta Med Austriaca** 1991;18(1):24-7 (26 ref.) (Eng. Abstr.) **(Ger)**

INTERLEUKIN-4

see related
HISTOCOMPATIBILITY ANTIGENS CLASS II
Human interleukin 4. Banchereau J, et al. **Bull Cancer (Paris)** 1991;78(3):299-306 (48 ref.)

CHEMISTRY

Crystallization and preliminary X-ray investigation of recombinant human interleukin 4. Cook WJ, et al. **J Mol Biol** 1991 Apr 20;218(4):675-8 (35 ref.)

IMMUNOLOGY

Immunoregulation by interleukin-4 in man. Callard RE. **Br J Haematol** 1991 Jul;78(3):293-9 (74 ref.)

METABOLISM

Receptors for interleukin 4, interleukin 5 and interleukin 6. Banchereau J, et al. **Ann Ist Super Sanita** 1990; 26(3-4):453-67 (100 ref.)

PHARMACOLOGY

Interleukin 4. Banchereau J. **Int J Rad Appl Instrum [B]** 1990; 17(7):619-23 (10 ref.)

PHYSIOLOGY

Regulation of the interleukin 4 signal in human B-lymphocytes. Finney M, et al. **Biochem Soc Trans** 1991 Apr;19(2):287-91 (9 ref.)
IL4 and IL5: the role of two multifunctional cytokines and their place in the network of cytokine interactions. Street NE, et al. **Biotherapy** 1990;2(4):347-62 (142 ref.)
Interleukin-4: a prototypic immunoregulatory lymphokine. Paul WE. **Blood** 1991 May 1;77(9):1859-70 (123 ref.)
Regulatory effects of IL-4 on human B-cell response to IL-2. Galanaud P, et al. **Eur Cytokine Netw** 1990 May-Jun; 1(2):57-64 (48 ref.)
The role of interleukin-4 in IgE and IgG subclass formation. Spiegelberg HL. **Springer Semin Immunopathol** 1990; 12(4):365-83 (70 ref.)

INTERLEUKIN-5

METABOLISM

Receptors for interleukin 4, interleukin 5 and interleukin 6. Banchereau J, et al. **Ann Ist Super Sanita** 1990; 26(3-4):453-67 (100 ref.)

PHYSIOLOGY

IL4 and IL5: the role of two multifunctional cytokines and their place in the network of cytokine interactions. Street NE, et al. **Biotherapy** 1990;2(4):347-62 (142 ref.)
Eosinophil differentiation factor (interleukin-5). Sanderson CJ. **Immunol Ser** 1990;49:231-56 (72 ref.)

INTERLEUKIN-6

see related
HYBRIDOMAS
PLASMACYTOMA

BIOSYNTHESIS

Expression and function of interleukin-6 in epithelial cells. Krueger J, et al. **J Cell Biochem** 1991 Apr;45(4):327-34 (51 ref.)

IMMUNOLOGY

Inflammatory mediators and interstitial cystitis. Felsen D, et al. **Semin Urol** 1991 May;9(2):102-7 (50 ref.)

METABOLISM

Receptors for interleukin 4, interleukin 5 and interleukin 6. Banchereau J, et al. **Ann Ist Super Sanita** 1990; 26(3-4):453-67 (100 ref.)
Gene regulation by interleukin 6. Fey GH, et al. **Biochimie** 1991 Jan;73(1):47-50 (26 ref.)

PHYSIOLOGY

Interleukin 6 (IL-6). Matsuda T, et al. **Biotherapy** 1990; 2(4):363-73 (82 ref.)
Interleukin-6 is a major myeloma cell growth factor in vitro and in vivo especially in patients with terminal disease. Klein B, et al. **Curr Top Microbiol Immunol** 1990;166:23-31 (18 ref.)
IL-6 as a growth factor for human multiple myeloma cells--a short overview. Nilsson K, et al. **Curr Top Microbiol Immunol** 1990;166:3-12 (32 ref.)
Interleukin 6 (IL-6) and its receptor (IL-6R) in myeloma/plasmacytoma. Suematsu S, et al. **Curr Top Microbiol Immunol** 1990;166:13-22 (18 ref.)
Interleukin-6 is the central tumor growth factor in vitro and in vivo in multiple myeloma. Klein B, et al. **Eur Cytokine Netw** 1990 Oct-Nov;1(4):193-201 (29 ref.)
Is thrombopoietin interleukin 6? Williams N. **Exp Hematol** 1991 Aug;19(7):714-8 (60 ref.)
Cell-mediated immunity: role of IL-3 and IL-6 in the regulation of contact sensitivity reaction. Marcinkiewicz J. **Folia Histochem Cytobiol** 1990;28(3):107-19 (44 ref.)
Biological and clinical aspects of interleukin 6. Hirano T, et al. **Immunol Today** 1990 Dec;11(12):443-9 (73 ref.)
The involvement of TNF, IL-1 and IL-6 in the immune response to protozoan parasites. Titus RG, et al. **Immunol Today** 1991 Mar;12(3):A13-6 (50 ref.)
Interleukin 6 (IL-6) and its receptor: their role in plasma cell neoplasias. Hirano T. **Int J Cell Cloning** 1991 May; 9(3):166-84 (132 ref.)
Interleukin 6 in infection and cancer. Sehgal PB. **Proc Soc Exp Biol Med** 1990 Nov;195(2):183-91 (94 ref.)
Interleukin 6 and plasma cell neoplasias. Hirano T, et al. **Prog Growth Factor Res** 1989;1(3):133-42 (62 ref.)
[Basic and clinical aspects of IL-6] Nakajima K, et al. **Gan To Kagaku Ryoho** 1991 Apr;18(4):505-14 (48 ref.) (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Interleukin-6 in clinical medicine. Bauer J, et al. **Ann Hematol** 1991 Jun;62(6):203-10 (111 ref.)

INTERLEUKIN-8

ISOLATION & PURIFICATION

Interleukin 8 and MCAF: novel inflammatory cytokines inducible by IL 1 and TNF. Matsushima K, et al. **Cytokine** 1989 Nov;1(1):2-13 (50 ref.)

INTERLEUKINS

IMMUNOLOGY

Interleukins, mycobacteria, and listeriae. Kaufmann SH. **Diagn Microbiol Infect Dis** 1990 Sep-Oct;13(5):429-33 (34 ref.)
[Interleukins--important signal substances for T-lymphocytes] Hofsli E. **Tidsskr Nor Laegeforen** 1991 Apr 20;111(10):1256-9 (15 ref.) (Eng. Abstr.) **(Nor)**
[Interleukins: functional role as mediators of the immune system (review of the literature)] Cheredeev AN. **Lab Delo** 1990;(10):4-11 (66 ref.) **(Rus)**

METABOLISM

[Impaired production and reception of interleukin in human diseases] Cheredeev AN. **Lab Delo** 1990;(12):61-7 (30 ref.) **(Rus)**

PHARMACOLOGY

Hematopoietic growth factors: overview and clinical applications, Part II. Robinson BE, et al. **Am J Med Sci** 1990 Oct;300(4):237-44 (185 ref.)
[The interleukins] Sréter L, et al. **Orv Hetil** 1990 Sep 30; 131(39):2127-32 (48 ref.) (Eng. Abstr.) **(Hun)**

PHYSIOLOGY

Interleukins, signal transduction, and the immune system-mediated stress response. Eskay RL, et al. **Adv Exp Med Biol** 1990;274:331-43 (60 ref.)
Role of a new cytokine, interleukin-10, in the cross-regulation of T helper cells. Mosmann TR. **Ann N Y Acad Sci** 1991;628:337-44 (35 ref.)
Interleukins and tumor necrosis factor in inflammation. Warren JS. **Crit Rev Clin Lab Sci** 1990;28(1):37-59 (202 ref.)
The role of IL-10 in crossregulation of TH1 and TH2 responses. Mosmann TR, et al. **Immunol Today** 1991 Mar; 12(3):A49-53 (59 ref.)
The biochemistry and biology of the myeloid haemopoietic cell growth factors. Heyworth CM, et al. **J Cell Sci Suppl** 1990;13:57-74 (89 ref.)
[Interleukins 1-8] Friemel H. **Allerg Immunol (Leipz)** 1990; 36(4):195-208 (10 ref.) (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

In vivo use of interleukins in domestic food animals. Blecha F. **Adv Vet Sci Comp Med** 1990;35:231-52 (98 ref.)
Therapeutic use of hematopoietic growth factors in bone marrow transplantation. Nimer SD, et al. **Cancer Treat Res** 1990;50:141-64 (216 ref.)

INTERMEDIATE CARE FACILITIES

[Intensive, intermediate and normal care (editorial)] Nadal Trias P, et al. **Med Clin (Barc)** 1990 Sep 22;95(9):338-40 (12 ref.) **(Spa)**

INTERMEDIATE FILAMENT PROTEINS

GENETICS

Regulation of intermediate filament gene expression. Zehner ZE. **Curr Opin Cell Biol** 1991 Feb;3(1):67-74 (56 ref.)

METABOLISM

Recent insights into the assembly, dynamics, and function of intermediate filament networks. Skalli O, et al. **Cell Motil Cytoskeleton** 1991;19(2):67-79 (215 ref.)
Structural proteins in sexual differentiation of embryonic gonads. Fröjdman K, et al. **Int J Dev Biol** 1989 Mar; 33(1):99-103 (26 ref.)

PHYSIOLOGY

Intermediate filament-associated proteins. Foisner R, et al. **Curr Opin Cell Biol** 1991 Feb;3(1):75-81 (44 ref.)
Cytokeratins in mesenchymal cells: impact on functional concepts of the diversity of intermediate filament proteins. Markl J. **J Cell Sci** 1991 Mar;98 (Pt 3):261-4 (40 ref.)

ULTRASTRUCTURE

Cellular intermediate filament networks and their derangement in alcoholic hepatitis. Worman HJ. **Alcohol Clin Exp Res** 1990 Dec;14(6):789-804 (248 ref.)

INTERMEDIATE FILAMENTS

CHEMISTRY

Cytokeratins in mesenchymal cells: impact on functional concepts of the diversity of intermediate filament proteins. Markl J. **J Cell Sci** 1991 Mar;98 (Pt 3):261-4 (40 ref.)

METABOLISM

Recent insights into the assembly, dynamics, and function of intermediate filament networks. Skalli O, et al. **Cell Motil Cytoskeleton** 1991;19(2):67-79 (215 ref.)
Intermediate filament-plasma membrane interactions. Jones JC, et al. **Curr Opin Cell Biol** 1991 Feb;3(1):127-32 (36 ref.)
Proctor lecture. Disorganization of membranes and abnormal intermediate filament assembly lead to cataract. Bloemendal H. **Invest Ophthalmol Vis Sci** 1991 Mar; 32(3):445-55 (86 ref.)

PHYSIOLOGY

Interactions of intermediate filaments with cell structures. Carmo-Fonseca M, et al. **Electron Microsc Rev** 1990; 3(1):115-41 (181 ref.)
Expression of intermediate filaments (IF) in tissues and cultured cells. Virtanen I, et al. **Int J Dev Biol** 1989 Mar; 33(1):55-61 (35 ref.)
Intermediate filaments may prevent buckling of compressively loaded microtubules. Brodland GW, et al. **J Biomech Eng** 1990 Aug;112(3):319-21 (31 ref.)

ULTRASTRUCTURE

Cellular intermediate filament networks and their derangement in alcoholic hepatitis. Worman HJ. **Alcohol Clin Exp Res** 1990 Dec;14(6):789-804 (248 ref.)
Interaction of intermediate filaments with nuclear lamina and cell periphery. French SW, et al. **Electron Microsc Rev** 1989;2(1):17-51 (83 ref.)
[Cytoskeleton--function and pathology: studies on the pathology of the intermediate filament cytoskeleton of liver cells] Denk H, et al. **Verh Dtsch Ges Pathol** 1990;74:335-49 (44 ref.) (Eng. Abstr.) **(Ger)**

INTERMEDINS see **MSH**

INTERMETATARSAL JOINT see **TARSAL JOINT**

INTERMITTENT CLAUDICATION

DRUG THERAPY

Ticlopidine. An updated review of its pharmacology and

therapeutic use in platelet-dependent disorders [published erratum appears in Drugs 1990 Oct;40(4):following Table of Contents] McTavish D, et al. **Drugs** 1990 Aug; 40(2):238–59 (122 ref.)

EPIDEMIOLOGY

Peripheral vascular disease: a public health perspective. Fowkes FG. **J Public Health Med** 1990;12(3–4):152–9 (58 ref.)

ETIOLOGY

Arteriosclerosis and peripheral arterial disease. Smith JW, et al. **Nebr Med J** 1991 Mar;76(3):67–9 (2 ref.)

MORTALITY

The natural history of peripheral vascular disease. Implications for its management. Hertzer NR. **Circulation** 1991 Feb;83(2 Suppl):I12–9 (22 ref.)

SURGERY

[Indications for revascularization procedures in patients with intermittent claudication] Deriu GP, et al. **Minerva Cardioangiol** 1990 Jun;38(6):245–70 (49 ref.) (Eng. Abstr.) **(Ita)**

INTERMITTENT POSITIVE-PRESSURE VENTILATION

INSTRUMENTATION

Mechanical ventilation [published erratum appears in DICP 1990 Dec;24(12):1236] Barbarash RA, et al. **DICP** 1990 Oct; 24(10):959–70 (50 ref.)

VETERINARY

Clinical use of positive-pressure ventilation in the horse. Shawley RV, et al. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):575–85 (16 ref.)

INTERNAL-EXTERNAL CONTROL

Internal and external control: a two-factor model of amplitude change of event-related potentials. Kok A. **Acta Psychol (Amst)** 1990 Aug;74(2–3):203–36 (100 ref.)

Current concepts of children's perceptions of control. Coster WJ, et al. **Am J Occup Ther** 1991 Jan;45(1):19–25 (41 ref.)

On internalization in group psychology: the group within. Scheidlinger S. **J Am Acad Psychoanal** 1990 Fall; 18(3):494–504 (41 ref.)

INTERNAL FIXATORS

Treatment of severe kyphosis in myelomeningocele by segmental spinal instrumentation with Luque rods. Kadic MA, et al. **Acta Orthop Belg** 1991;57(1):45–51 (24 ref.)

Bone contouring and fixation in functional, primary microvascular mandibular reconstruction. Buchbinder D, et al. **Head Neck** 1991 May–Jun;13(3):191–9 (21 ref.)

Techniques of bone fixation in replantation surgery. Brown ML, et al. **Microsurgery** 1990;11(3):255–60 (14 ref.)

Biomechanics of thoracolumbar spinal fixation. A review. Krag MH. **Spine** 1991 Mar;16(3 Suppl):S84–99 (134 ref.)

Biomechanics of cervical spine internal fixation. Montesano PX, et al. **Spine** 1991 Mar;16(3 Suppl):S10–6 (25 ref.)

Biomechanics of spinal fixation and fusion. Nagel DA, et al. **Spine** 1991 Mar;16(3 Suppl):S151–4 (22 ref.)

[The importance of avoiding the use of rigid fixation in functional genioplasty] Precious DS, et al. **Rev Stomatol Chir Maxillofac** 1990;91(5):349–56 (22 ref.) (Eng. Abstr.) **(Fre)**

["Biological osteosynthesis"] Claudi BF, et al. **Chirurg** 1991 May;62(5):367–77 (24 ref.) **(Ger)**

INTERNAL MAMMARY ARTERY IMPLANTATION

METHODS

[Early angiographic assessment of coronary revascularizations using the internal mammary artery. Apropos of a consecutive and prospective series of 180 bypass grafts] Bergeron P, et al. **Ann Chir** 1991;45(2):82–9 (71 ref.) (Eng. Abstr.) **(Fre)**

INTERNAL MAMMARY-CORONARY ARTERY ANASTOMOSIS

ADVERSE EFFECTS

Coronary-subclavian steal syndrome following coronary artery bypass grafting. Saydjari R, et al. **Cardiology** 1991; 78(1):53–7 (9 ref.)

Traction injury in the internal mammary artery. Report of a case and review of the literature. Sonmez B, et al. **J Cardiovasc Surg (Torino)** 1990 Sep–Oct;31(5):592–4 (6 ref.)

INTERNAL MEDICINE

Elective use of life-sustaining treatments in internal medicine. Singer PA, et al. **Adv Intern Med** 1991;36:57–79 (84 ref.)

The internist in the management of head and neck cancer. Jacobs C. **Ann Intern Med** 1990 Nov 15;113(10):771–8 (73 ref.)

The internist as preoperative consultant: risk assessment and management. Gilbert PL. **Mt Sinai J Med** 1991 Jan; 58(1):3–8 (21 ref.)

Anesthesia: what the internist needs to know. Leibowitz AB, et al. **Mt Sinai J Med** 1991 Jan;58(1):9–15 (52 ref.)

[Otology in diseases of internal medicine interest] Megighian D. **Medicina (Firenze)** 1990 Jul–Sep;10(3):337–42 (72 ref.) (Eng. Abstr.) **(Ita)**

[Clinical value of determining the fibronectin level in internal diseases] Ena IaM, et al. **Klin Med (Mosk)** 1991 Feb; 69(2):24–30 (67 ref.) **(Rus)**

[Assessment of quality of life in internal medicine] Zakharova TIu, et al. **Sov Med** 1991;(6):34–8 (26 ref.) **(Rus)**

[The use of calcium antagonists in the internal disease clinic] Martsevich SIu. **Ter Arkh** 1990;62(10):132–7 (87 ref.) **(Rus)**

ECONOMICS

Cost-benefit issues in the practice of internal medicine. Friedman RB, et al. **Arch Intern Med** 1991 Jun; 151(6):1165–8 (58 ref.)

EDUCATION

[Training in Internal Medicine yesterday, today, and tomorrow] Ortiz Vázquez J. **An Med Interna** 1989 Jun; 6(6):323–32 (0 ref.) **(Spa)**

STANDARDS

[Characteristic therapeutic errors in the clinical course of internal diseases] Permiakov NK. **Ter Arkh** 1991; 63(2):111–20 (40 ref.) **(Rus)**

INTERNATIONAL AGENCIES

Standardization and harmonization of the blood count: the role of International Committee for Standardization in Haematology (ICSH). Lewis SM. **Eur J Haematol Suppl** 1990;53:9–13 (21 ref.)

Doctors and human rights. Forrest DM. **Med War** 1991 Apr–Jun;7(2):105–12 (19 ref.)

INTERNATIONAL COOPERATION

The Nairobi STD program. An international partnership. Ronald A, et al. **Infect Dis Clin North Am** 1991 Jun; 5(2):337–52 (79 ref.)

The social epidemiology of international drug trafficking: comparison of source of supply and distribution networks. Montagne M. **Int J Addict** 1990 May;25(5):557–77 (90 ref.)

Design and conduct of collaborative international epidemiologic studies of rheumatic diseases. Heyse SP. **Rheum Dis Clin North Am** 1990 Aug;16(3):763–72 (15 ref.)

INTERNATIONAL HEALTH PROBLEMS see **WORLD HEALTH**

INTERNEURONS

METABOLISM

Neuronal architecture, receptor and Ca2+ channel distribution in regenerating giant interneurons. Spira ME, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):125–40 (42 ref.)

PHYSIOLOGY

Activation of Renshaw cells. Windhorst U. **Prog Neurobiol** 1990;35(2):135–79 (170 ref.)

[Parkinsonian rigidity: clinical and physiopathologic aspects] Delwaide PJ, et al. **Rev Neurol (Paris)** 1990;146(10):548–54 (44 ref.) (Eng. Abstr.) **(Fre)**

INTERNSHIP AND RESIDENCY

Status report on ambulatory care and education in the VA Western Region and western medical schools. Robbins AS, et al. **Acad Med** 1991 Sep;66(9):506–10 (2 ref.)

Preparing surgery house officers for their teaching role. Sheets KJ, et al. **Am J Surg** 1991 Apr;161(4):443–9 (43 ref.)

Ability to avoid premature treatment. A skill of consultation-liaison psychiatrists. Granet RB, et al. **Gen Hosp Psychiatry** 1990 Sep;12(5):323–8 (22 ref.)

A postdoctoral year for the practice of dentistry: rationale and progress. Formicola AJ, et al. **J Dent Educ** 1991 Aug; 55(8):526–30; discussion 537 (22 ref.)

General practice residency programs: benefits to residents and patients. Garrison RS Jr. **J Dent Educ** 1991 Aug; 55(8):534–6; discussion 537 (8 ref.)

Teaching clinical ethics in the residency years: preparing competent professionals. Forrow L, et al. **J Med Philos** 1991 Feb;16(1):93–112 (49 ref.)

The significance and importance of supervision in psychotherapy training. Szecsödy I. **Psychother Psychosom** 1990;53(1–4):86–92 (23 ref.)

[Residents and the teaching role: review of the literature] Chamberland M, et al. **Can Med Assoc J** 1990 Oct 15; 143(8):725–30 (34 ref.) (Eng. Abstr.) **(Fre)**

LEGISLATION & JURISPRUDENCE

Expanded liability of hospitals for the negligence of fatigued residents. McNoble DJ. **J Leg Med** 1990 Dec;11(4):427–49 (77 ref.)

INTERNSHIP, DENTAL see **INTERNSHIP AND RESIDENCY**

INTEROBSERVER VARIATION see **OBSERVER VARIATION**

INTERPERSONAL RELATIONS

Abuse and neglect in schools. Sugar M. **Am J Psychother** 1990 Oct;44(4):484–98 (41 ref.)

Long-term effects of sexual abuse which occurred in childhood: a review. Cahill C, et al. **Br J Clin Psychol** 1991 May;30 (Pt 2):117–30 (30 ref.)

Concerning knowledge of mental states. Hobson RP. **Br J Med Psychol** 1990 Sep;63 (Pt 3):199–213 (55 ref.)

Intrapsychic structure, object relations, and interpersonal interaction: treatment process and change in the psychiatric hospital. Bauer SF. **J Am Acad Psychoanal** 1990 Winter; 18(4):566–86 (51 ref.)

Aggression and love in the relationship of the couple. Kernberg OF. **J Am Psychoanal Assoc** 1991;39(1):45–70 (21 ref.)

Social deviance in autism: a central integrative failure as a model for social nonengagement. Shapiro T, et al. **Psychiatr Clin North Am** 1991 Mar;14(1):19–32 (53 ref.)

A general model of consensus and accuracy in interpersonal perception. Kenny DA. **Psychol Rev** 1991 Apr;98(2):155–63 (28 ref.)

[The need for interpersonal relations and coping with stressful life events] Wolf E. **Z Arztl Fortbild (Jena)** 1991 Apr 25;85(8):359–64 (11 ref.) **(Ger)**

INTERPHASE

Interphase nucleolar organizer regions in cancer cells. Derenzini M, et al. **Int Rev Exp Pathol** 1991;32:149–92 (144 ref.)

A view of interphase chromosomes. Manuelidis L. **Science** 1990 Dec 14;250(4987):1533–40 (72 ref.)

GENETICS

Chromosome topology in mammalian interphase nuclei. Haaf T, et al. **Exp Cell Res** 1991 Feb;192(2):325–32 (87 ref.)

INTERPROFESSIONAL RELATIONS

Common methodological framework for theory construction and evaluation in the social and behavioral sciences. Tzeng OC, et al. **Genet Soc Gen Psychol Monogr** 1991 Feb; 117(1):49–76 (80 ref.)

Managing hospital-physician relations: a strategy scorecard. Smith HL, et al. **Health Care Manage Rev** 1990 Fall; 15(4):23–33 (66 ref.)

Professional interface with mutual-aid self-help groups: a review. Stewart MJ. **Soc Sci Med** 1990;31(10):1143–58 (80 ref.)

Enhancing social work influence in the hospital: identifying sources of power. Berger CS. **Soc Work Health Care** 1990; 15(2):77–93 (31 ref.)

INTERSEXUALITY see **HERMAPHRODITISM**

INTERSTITIAL CELL-STIMULATING HORMONE see **LH**

INTERSTITIAL NEPHRITIS see **NEPHRITIS, INTERSTITIAL**

INTERTARSAL JOINT see **TARSAL JOINT**

INTERVENING SEQUENCES see **INTRONS**

INTERVERTEBRAL DISK

Automated percutaneous lumbar diskectomy. Onik G, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):531–8 (46 ref.)

The inter-relationship of facet joint osteoarthritis and degenerative disc disease. Oegema TR Jr, et al. **Br J Rheumatol** 1991;30 Suppl 1:16–20 (17 ref.)

Kingella kingae intervertebral disk infection. Amir J, et al. **J Clin Microbiol** 1991 May;29(5):1083–6 (40 ref.)

[Dysphagia disclosing a cervical disk calcification in a child. Apropos of a case and review of the literature] Jawish R, et al. **Chir Pediatr** 1990;31(2):127–30 (29 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Clinical implications of vibration-induced changes in the lumbar spine. Hansson T, et al. **Orthop Clin North Am** 1991 Apr;22(2):247–53 (51 ref.)

Low-back pain, its origin and risk indicators. Riihimäki H.

Scand J Work Environ Health 1991 Apr;17(2):81–90 (143 ref.)

RADIOGRAPHY

Lumbar discography followed by computed tomography. Refining the diagnosis of low-back pain. Bernard TN Jr. **Spine** 1990 Jul;15(7):690–707 (155 ref.)

SURGERY

Painful internal disc derangements of the lumbosacral spine: discographic diagnosis and treatment by posterior lumbar interbody fusion. Schechter NA, et al. **Orthopedics** 1991 Apr;14(4):447–51 (43 ref.)

Percutaneous nucleotomy: technique with discoscopy. Schreiber A, et al. **Orthopedics** 1991 Apr;14(4):439–44 (15 ref.)

Anterior perforations in lumbar discectomies. A report of four cases of vascular complications and a CT study of the prevertebral lumbar anatomy. Anda S, et al. **Spine** 1991 Jan;16(1):54–60 (75 ref.)

Vascular complications of lumbar decompression laminectomy and foraminotomy. A unique case and review of the literature. Smith DW, et al. **Spine** 1991 Mar; 16(3):387–90 (12 ref.)

[Percutaneous nucleotomy in the current treatment concept of lumbar ischialgia] Schreiber A, et al. **Z Orthop** 1991 Jan–Feb;129(1):1–5 (19 ref.) (Eng. Abstr.) **(Ger)**

INTERVERTEBRAL DISK CHEMOLYSIS

see related
CHYMOPAPAIN

METHODS

Current status of percutaneous discectomy and chemonucleolysis. Herkowitz HN.
Orthop Clin North Am 1991 Apr;22(2):327–32 (42 ref.)

INTERVERTEBRAL DISK DISPLACEMENT

see related
INTERVERTEBRAL DISK CHEMOLYSIS
SCIATICA

COMPLICATIONS

Intradural herniation of a thoracic disc presenting as flaccid paraplegia: case report. Hamilton MG, et al.
Neurosurgery 1990 Sep;27(3):482–4 (31 ref.)

DIAGNOSIS

Apophyseal fracture of the lumbar spine in adolescence. Clark JE. **Orthop Rev** 1991 Jun;20(6):512–6 (12 ref.)

Cervical disk disease. Russell EJ. **Radiology** 1990 Nov; 177(2):313–25 (184 ref.)

[Posterior pre-marginal hernia of the lumbar vertebrae. Report of 8 cases] Deshayes P, et al.
Rev Rhum Mal Osteoartic 1990 Jul–Sep;57(7–8):537–42; discussion 543 (16 ref.) **(Fre)**

[Discopathy and lumbar stenosis] Dziak A. **Pol Tyg Lek** 1989 Oct 23–Nov 6;44(43–45):932–5 (22 ref.) **(Pol)**

EPIDEMIOLOGY

Low back pain/prolapsed lumbar intervertebral disc. Kelsey JL, et al. **Rheum Dis Clin North Am** 1990 Aug; 16(3):699–716 (132 ref.)

ETIOLOGY

Insufficiency fracture of the sacrum with displacement and neurologic damage: a case report and review of the literature. Jones JW. **J Am Geriatr Soc** 1991 Mar; 39(3):280–3 (16 ref.)

GENETICS

Lumbar intervertebral disc prolapse in teenage twins. A case report and review of the literature. Gunzburg R, et al. **J Bone Joint Surg [Br]** 1990 Sep;72(5):914–6 (19 ref.)

RADIOGRAPHY

Radiological assessment of prolapsed disc. Lewis TT.
Br J Hosp Med 1991 Jul;46(1):48–51 (14 ref.)

Lumbar discography followed by computed tomography. Refining the diagnosis of low-back pain. Bernard TN Jr. **Spine** 1990 Jul;15(7):690–707 (155 ref.)

[Lateral lumbar disk hernia] Monod A, et al.
Rev Chir Orthop 1990;76(8):538–45 (20 ref.) (Eng. Abstr.) **(Fre)**

[Lateral intra- and extraforaminal lumbar disk hernia: clinical aspects and therapy] Benini A, et al.
Schweiz Med Wochenschr 1991 Jun 15;121(24):889–97 (12 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Multiple thoracic disc herniations. Peker S, et al.
Acta Neurochir (Wien) 1990;107(3–4):167–70 (21 ref.)

Choice of lasers for minimally invasive spinal surgery. Stith WJ, et al. **Orthop Rev** 1991 Feb;20(2):137–42 (32 ref.)

Intestinal injury after lumbar discectomy. Smith EB, et al. **Surg Gynecol Obstet** 1991 Jul;173(1):22–4 (16 ref.)

[Chronic sciatalgia caused by sensitive deafferentiation following surgery for lumbar disk hernia: clinical and therapeutic aspects. Apropos of 110 patients] Blond S, et al. **Neurochirurgie** 1991;37(2):86–95 (48 ref.) (Eng. Abstr.) **(Fre)**

[Intradural sequestration of cervical intervertebral disk displacement] Sprick C, et al. **Nervenarzt** 1991 Feb; 62(2):133–5 (9 ref.) **(Ger)**

[Segmental instability and lumbar spinal canal stenosis. Theoretical, clinical and surgical aspects] Benini A.
Neurochirurgia (Stuttg) 1990 Sep;33(5):146–57 (81 ref.) (Eng. Abstr.) **(Ger)**

[Complications of ventral fusion operations in degenerative intervertebral disk diseases] Kalff R, et al.
Neurochirurgia (Stuttg) 1990 Nov;33(6):184–9 (38 ref.) (Eng. Abstr.) **(Ger)**

[Percutaneous nucleotomy in the current treatment concept of lumbar ischialgia] Schreiber A, et al. **Z Orthop** 1991 Jan–Feb;129(1):1–5 (19 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Automated percutaneous lumbar diskectomy. Onik G, et al.
AJR Am J Roentgenol 1991 Mar;156(3):531–8 (46 ref.)

Current status of percutaneous discectomy and chemonucleolysis. Herkowitz HN.
Orthop Clin North Am 1991 Apr;22(2):327–32 (42 ref.)

INTERVIEWS

Rediscovering the act of interviewing by pharmacists. Ranelli PL. **J Clin Pharm Ther** 1990 Oct;15(5):377–80 (10 ref.)

Eliciting assessment data from the patient who is difficult to interview. Braverman BG. **Nurs Clin North Am** 1990 Dec;25(4):743–50 (17 ref.)

METHODS

The patient's story: integrating the patient- and physician-centered approaches to interviewing. Smith RC, et al. **Ann Intern Med** 1991 Sep 15;115(6):470–7 (88 ref.)

STANDARDS

A qualitative approach to primary care research: the long interview. Crabtree BF, et al. **Fam Med** 1991 Feb; 23(2):145–51 (38 ref.)

INTESTINAL ABSORPTION

see related
MALABSORPTION SYNDROMES

Mechanisms of action on dietary fibre on small intestinal absorption and motility. Edwards C. **Adv Exp Med Biol** 1990;270:95–104 (43 ref.)

Malabsorption, malnutrition and HIV disease. Griffin GE. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):361–73 (44 ref.)

The starved colon—diminished mucosal nutrition, diminished absorption, and colitis. Roediger WE.
Dis Colon Rectum 1990 Oct;33(10):858–62 (57 ref.)

Intestinal absorption of protein hydrolysis products: a review. Webb KE Jr. **J Anim Sci** 1990 Sep;68(9):3011–22 (135 ref.)

Magnesium absorption: mechanisms and the influence of vitamin D, calcium and phosphate. Hardwick LL, et al. **J Nutr** 1991 Jan;121(1):13–23 (75 ref.)

Methods of investigating intestinal transport. Acra SA, et al. **JPEN J Parenter Enteral Nutr** 1991 May–Jun; 15(3):93S–98S (66 ref.)

New clinical and experimental aspects of intestinal magnesium transport. Karbach U, et al. **Magnes Res** 1991 Mar;4(1):9–22 (55 ref.)

Effect of age on calcium and phosphate absorption. Role of 1,25-dihydroxyvitamin D. Armbrecht HJ.
Miner Electrolyte Metab 1990;16(2–3):159–66 (46 ref.)

Mechanism and regulation of intestinal phosphate absorption. Cross HS, et al. **Miner Electrolyte Metab** 1990; 16(2–3):115–24 (54 ref.)

Site and mechanism of intestinal magnesium absorption. Hardwick LL, et al. **Miner Electrolyte Metab** 1990; 16(2–3):174–80 (38 ref.)

Intestinal calcium absorption. Interplay of paracellular and cellular pathways. Nellans HN.
Miner Electrolyte Metab 1990;16(2–3):101–8 (45 ref.)

Intestinal calcium transport in systemic disease. Studies with brush-border membrane vesicles. Schedl HP, et al.
Miner Electrolyte Metab 1990;16(2–3):147–53 (33 ref.)

In vivo intestinal absorption of calcium in humans. Sheikh MS, et al. **Miner Electrolyte Metab** 1990;16(2–3):130–46 (78 ref.)

Intestinal calcium transport in the spontaneously hypertensive rat. Young EW, et al.
Miner Electrolyte Metab 1990;16(2–3):154–8 (35 ref.)

Processing of dietary retinoids is slowed in the elderly.
Nutr Rev 1991 Apr;49(4):116–9 (12 ref.)

The gastrointestinal absorption of the actinide elements. Harrison JD. **Sci Total Environ** 1991 Mar;100 Spec No:43–60 (97 ref.)

[Intestinal permeability disorders in children] Dupont C, et al. **Allerg Immunol (Paris)** 1991 Mar;23(3):95–103 (52 ref.) (Eng. Abstr.) **(Fre)**

[Gastrointestinal strongylosis and malabsorption of nutrients] Dakkak A. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:73–6 (27 ref.) (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Absorption enhancers. Muranishi S.
Crit Rev Ther Drug Carrier Syst 1990;7(1):1–33 (155 ref.)

Vitamin D-independent regulation of calcium and phosphate absorption. Lee DB, et al. **Miner Electrolyte Metab** 1990; 16(2–3):167–73 (59 ref.)

Transcaltachia, vesicular calcium transport, and microtubule-associated calbindin-D28K: emerging views of 1,25-dihydroxyvitamin D3-mediated intestinal calcium absorption. Nemere I, et al. **Miner Electrolyte Metab** 1990; 16(2–3):109–14 (31 ref.)

[Phytates, dietary fiber and drugs linked with the absorption of mineral substances and carbohydrates from food] Angelova-Gateva P, et al. **Vutr Boles** 1990;29(3):47–52 (32 ref.) **(Bul)**

[Dietary fiber] Turberg Y, et al.
Rev Med Suisse Romande 1991 Jun;111(6):477–82 (48 ref.) **(Fre)**

IMMUNOLOGY

Weaning as an approach to the 'non-self'. Burgio GR, et al. **Beitr Infusionther** 1991;27:15–30 (51 ref.)

PHYSIOLOGY

Small intestinal mucosal protection mechanisms and their importance in rheumatology. O'Mahony S, et al.
Ann Rheum Dis 1991 May;50(5):331–6 (71 ref.)

Intestinal perfusion in vivo for the study of absorptive processes. Roig T, et al. **Comp Biochem Physiol [A]** 1991; 98(1):3–7 (65 ref.)

Interruption of the entero-pancreatic axis: effects of induced malabsorption. Caspary WF. **Eur J Clin Invest** 1990 Oct; 20 Suppl 1:S58–64 (31 ref.)

Is there a role for lymph in intestinal glucose absorption? Argilés JM, et al. **Med Hypotheses** 1990 Nov;33(3):169–71 (18 ref.)

[Physiologic and pathologic age related changes in the small intestine] Riecken EO, et al. **Fortschr Med** 1990 Nov 30; 108(34):654–6 (36 ref.) (Eng. Abstr.) **(Ger)**

[Resorption and excretion tests] Berberich R.
Z Gastroenterol Verh 1991 Mar;26:137–9 (14 ref.) **(Ger)**

[Cholesterol absorption and metabolism in the small intestine] Stange EF, et al. **Z Gastroenterol Verh** 1991 Mar;26:100–1 (14 ref.) **(Ger)**

[Food intake and resorption of drugs from the gastrointestinal tract] Walter-Sack I. **Z Gesamte Inn Med** 1991 Mar; 46(4):95–100 (56 ref.) (Eng. Abstr.) **(Ger)**

INTESTINAL ATRESIA

COMPLICATIONS

Ileal atresia with perforation in siblings. Chiba T, et al.
Eur J Pediatr Surg 1991 Feb;1(1):51–3 (19 ref.)

Anomalous biliary ducts associated with duodenal atresia. Knechtle SJ, et al. **J Pediatr Surg** 1990 Dec;25(12):1266–9 (11 ref.)

SURGERY

Congenital intestinal atresia [published erratum appears in Br J Hosp Med 1991 Jan;45(1):18] Davenport M, et al. **Br J Hosp Med** 1990 Sep;44(3):174, 176, 178–80 (34 ref.)

[Surgical treatment of anorectal developmental defects in children (review of foreign literature)] Smirnov AN, et al. **Khirurgiia (Mosk)** 1990 Aug;(8):149–55 (129 ref.) **(Rus)**

INTESTINAL BYPASS see **JEJUNOILEAL BYPASS**

INTESTINAL DISEASES

Human, small round structured viruses, caliciviruses and astroviruses. Cubitt WD. **Baillieres Clin Gastroenterol** 1990 Sep;4(3):643–56 (67 ref.)

Enteric adenoviruses. Uhnoo I, et al.
Baillieres Clin Gastroenterol 1990 Sep;4(3):627–42 (81 ref.)

Yersinia enterocolitica: intestinal features. Gurguí Ferrer M, et al. **Dig Dis** 1990;8(6):313–21 (40 ref.)

Angiodysplasia: characterization, diagnosis, and advances in treatment. Helmrich GA, et al. **South Med J** 1990 Dec; 83(12):1450–3 (25 ref.)

COMPLICATIONS

Colon perforation due to cholesterol embolism. Anderson WR, et al. **Hum Pathol** 1991 Aug;22(8):839–41 (18 ref.)

[The small intestine involvement syndrome syndrome in AIDS] Valenkevich LN, et al. **Ter Arkh** 1990;62(11):133–5 (31 ref.) **(Rus)**

DIAGNOSIS

Video endoscopy, the electronic endoscopy unit and integrated imaging. Sivak MV Jr.
Baillieres Clin Gastroenterol 1991 Mar;5(1):1–18 (8 ref.)

[The diagnosis in motility disorders of the stomach and small intestine] Layer P, et al. **Dtsch Med Wochenschr** 1991 Feb 15;116(7):261–3 (14 ref.) **(Ger)**

[The differentiation of intestinal Escherichia coli infections]

Priamukhina NS, et al.
Zh Mikrobiol Epidemiol Immunobiol 1991 Feb;(2):81–7 (65 ref.) **(Rus)**

ETIOLOGY

Human immunodeficiency virus infection and the intestine. Griffin GE. **Baillieres Clin Gastroenterol** 1990 Sep; 4(3):657–73 (59 ref.)
Pathogenesis of gut virus infection. Salim AF, et al.
Baillieres Clin Gastroenterol 1990 Sep;4(3):593–607 (68 ref.)
Potentially lethal complications of shigellosis. Bennish ML.
Rev Infect Dis 1991 Mar–Apr;13 Suppl 4:S319–24 (51 ref.)
[Chronic enteropathies] Nogaller AM. **Klin Med (Mosk)** 1990 Jul;68(7):25–34 (6 ref.) **(Rus)**

METABOLISM

Polyamines in intestinal adaptation and disease. Dowling RH.
Digestion 1990;46 Suppl 2:331–44 (67 ref.)

PATHOLOGY

[Disorders of the innervation of the large intestine—classification and diagnosis. Results of a consensus conference of the Society of Gastroenteropathology 1 December 1990 in Frankfurt/Main] Borchard F, et al. **Pathologe** 1991 May; 12(3):171–4 (10 ref.) **(Ger)**

PHYSIOPATHOLOGY

Role of visceral afferent mechanisms in functional bowel disorders. Mayer EA, et al. **Gastroenterology** 1990 Dec; 99(6):1688–704 (121 ref.)

PREVENTION & CONTROL

Prevention of postoperative intra-abdominal adhesions. Tulandi T. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):287–90 (14 ref.)

THERAPY

Balloon technology and its applications in gastrointestinal endoscopy. Dakkak M, et al.
Baillieres Clin Gastroenterol 1991 Mar;5(1):195–208 (94 ref.)
Video endoscopy, the electronic endoscopy unit and integrated imaging. Sivak MV Jr.
Baillieres Clin Gastroenterol 1991 Mar;5(1):1–18 (8 ref.)
[Errors in performing pathogenetic therapy in acute intestinal infections] Brodov LE, et al. **Ter Arkh** 1990;62(11):31–5 (31 ref.) (Eng. Abstr.) **(Rus)**

VETERINARY

Endoscopy of the lower gastrointestinal tract. Jones BD.
Vet Clin North Am Small Anim Pract 1990 Sep; 20(5):1229–42 (2 ref.)

INTESTINAL DISEASES, PARASITIC

Modern techniques in the diagnosis and treatment of gastrointestinal and biliary tree parasites. el Sheikh Mohamed AR, et al. **Hepatogastroenterology** 1991 Apr; 38(2):180–8 (67 ref.)

COMPLICATIONS

Disseminated strongyloidiasis in AIDS: uncommon but important. Gompels MM, et al. **AIDS** 1991 Mar;5(3):329–32 (9 ref.)
AIDS and the gastroenterologist. Smallwood RA.
J Gastroenterol Hepatol 1989 Nov–Dec;4(6):547–61 (96 ref.)
[Gastrointestinal manifestations of AIDS. 2: Bacterial and viparasitic infections, malignant tumors] Prüfer-Krämer L, et al. **Fortschr Med** 1991 Mar 20;109(8):179–82 (40 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSIS

The office diagnosis of common intestinal parasitic diseases. Ware BR, et al. **Prim Care** 1991 Mar;18(1):185–93 (29 ref.)
[Intestinal parasitic diseases—diagnosis and therapy] Schubert S. **Z Arztl Fortbild (Jena)** 1991 May 10; 85(9):431–5 (15 ref.) **(Ger)**

PARASITOLOGY

Competition, contacts, and other factors restricting niches of parasitic helminths. Holmes JC.
Ann Parasitol Hum Comp 1990;65 Suppl 1:69–72 (18 ref.)
Blastocystis hominis—past and future. Zierdt CH.
Clin Microbiol Rev 1991 Jan;4(1):61–79 (95 ref.)
Intestinal capillariasis. Cross JH, et al. **Prog Clin Parasitol** 1989;1:105–19 (27 ref.)

PHYSIOPATHOLOGY

[Physiopathology of Clostridium difficile-related intestinal disease. Role of the colonic ecosystem] Marteau P, et al. **Gastroenterol Clin Biol** 1991;15(4):322–9 (90 ref.) **(Fre)**

PREVENTION & CONTROL

Control of intestinal nematode infections by chemotherapy: mass treatment versus diagnostic screening. Bundy DA. **Trans R Soc Trop Med Hyg** 1990 Sep–Oct;84(5):622–5 (28 ref.)

VETERINARY

[Prevention of gastrointestinal nematodes in calves in Belgium] Vercruysse J, et al.
Verh K Acad Geneeskd Belg 1991;53(2):121–58; discussion 159–62 (70 ref.) (Eng. Abstr.) **(Dut)**
[Gastrointestinal strongylosis and malabsorption of nutrients] Dakkak A. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:73–6 (27 ref.) (Eng. Abstr.) **(Fre)**

INTESTINAL FISTULA

DRUG THERAPY

[Possibilities of application of octreotide in surgery. 1)Treatment of gastrointestinal fistulas; 2)Prevention of complications in pancreatic surgery] Büchler M, et al.
Z Gastroenterol 1990 Sep;28 Suppl 2:41–4 (60 ref.) **(Ger)**

ETIOLOGY

Fatal duodenocaval fistula resulting from a giant peptic ulcer. Case report. deSa LA, et al. **Acta Chir Scand** 1990 Sep; 156(9):647–50 (17 ref.)
Jejunal–rectal fistula as a complication of postoperative radiotherapy. Albu E, et al. **Am Surg** 1990 Nov; 56(11):697–9 (8 ref.)
Colonic necrosis or fistula following pancreatitis or gastric surgery. Wille-Jørgensen P, et al. **Eur J Surg** 1991 Feb; 157(2):137–9 (11 ref.)
Enteric fistula formation secondary to necrotizing enterocolitis. Levin TL, et al. **Pediatr Radiol** 1991; 21(4):309–11 (7 ref.)
A complex ileovaginal fistula with associated obstructive uropathy in a patient with Crohn's disease: technical considerations and review of the literature. Baird DR, et al. **South Med J** 1991 Mar;84(3):389–91 (13 ref.)
[A case of aortoduodenal fistula following radiotherapy of retroperitoneal metastatic disease] Fukasawa H, et al.
Gan To Kagaku Ryoho 1991 Jan;18(1):119–22 (9 ref.) (Eng. Abstr.) **(Jpn)**
[Case of primary aorto-jejunal fistula caused by gram-positive cocci] Tsukamoto Y, et al.
Nippon Geka Gakkai Zasshi 1991 Jun;92(6):750–2 (9 ref.) (Eng. Abstr.) **(Jpn)**
[A double aorto-enteric fistula secondary to an aortic pseudoaneurysm. Its anatomical correction] de Frutos Rincón JL, et al. **Angiologia** 1991 Mar–Apr;43(2):65–8 (25 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Surgical treatment of primary aortoduodenal fistula. Taheri SA, et al. **Ann Vasc Surg** 1991 May;5(3):265–70 (58 ref.)
[Duodenocolonic fistula. Report of a case and review of the literature] Averbach M, et al. **Arq Gastroenterol** 1989 Oct–Dec;26(4):127–30 (11 ref.) (Eng. Abstr.) **(Por)**

THERAPY

Reoperative versus conservative management for gastrointestinal fistulas. Rubelowsky J, et al.
Surg Clin North Am 1991 Feb;71(1):147–57 (30 ref.)
Duodenobronchial fistula. Heitmiller RF, et al. **Surgery** 1991 Sep;110(3):546–8 (17 ref.)

INTESTINAL HORMONE RECEPTORS see **RECEPTORS, GASTROINTESTINAL HORMONE**

INTESTINAL HORMONES see **GASTROINTESTINAL HORMONES**

INTESTINAL MOTILITY see **GASTROINTESTINAL MOTILITY**

INTESTINAL MUCOSA

[The mucosa of the small intestine: development of the cellular lipid composition during enterocyte differentiation and postnatal maturation] Alessandri JM, et al.
Reprod Nutr Dev 1990;30(5):551–76 (108 ref.) (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

[Normal lymphoid tissue and primary malignant lymphomas of the gastrointestinal tract] Diebold J.
Ann Gastroenterol Hepatol (Paris) 1991 Jan–Feb;27(1):31–5 (20 ref.) (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

Gut mucosal ischemia during cardiac surgery. Fiddian-Green RG. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):389–99 (70 ref.)
[Blood flow and the functional status of the mucosa before and after vagotomy] Kuzin NM, et al. **Vestn Khir** 1990 Jun;144(6):145–9 (28 ref.) **(Rus)**

CYTOLOGY

Role of polyamines in gastrointestinal mucosal growth [editorial] McCormack SA, et al. **Am J Physiol** 1991 Jun; 260(6 Pt 1):G795–806 (159 ref.)
Functional biology of intestinal goblet cells. Specian RD, et al. **Am J Physiol** 1991 Feb;260(2 Pt 1):C183–93 (65 ref.)

DRUG EFFECTS

Gastroduodenal mucosal damage with salsalate versus aspirin: results of experimental models and endoscopic studies in humans. Scheiman JM, et al.
Semin Arthritis Rheum 1990 Oct;20(2):121–7 (38 ref.)

IMMUNOLOGY

Special functional features of T-lymphocyte subpopulations in the effector compartment of the intestinal mucosa and their relation to mucosal transformation. Zeitz M, et al.
Digestion 1990;46 Suppl 2:280–9 (39 ref.)
Intraepithelial lymphocytes of the intestinal mucosa: curiouser and curiouser. Lefrançois L. **Semin Immunol** 1991 Mar;3(2):99–108 (88 ref.)
[Food allergy. II. Non-optimal function of the mucosal gastrointestinal barrier; types of allergic reactions; symptoms, diagnosis and treatment] Pelikan Z, et al.
Ned Tijdschr Geneeskd 1991 Jan 12;135(2):55–60 (36 ref.) **(Dut)**
[Intestinal immune system] Hess G.
Zentralbl Hyg Umweltmed 1991 Mar;191(2–3):216–31 (77 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Gastrointestinal metabolism of contraceptive steroids. Back DJ, et al. **Am J Obstet Gynecol** 1990 Dec;163(6 Pt 2):2138–45 (21 ref.)
Gastrointestinal mucosal injury in experimental models of shock, trauma, and sepsis. Fink MP. **Crit Care Med** 1991 May;19(5):627–41 (159 ref.)
Metabolism of large bowel mucosa in health and disease. Latella G, et al. **Int J Colorectal Dis** 1991 May;6(2):127–32 (72 ref.)
Glycosylation in intestinal epithelium. Taatjes DJ, et al.
Int Rev Cytol 1991;126:135–93 (205 ref.)
Regulation of serotonin release from the intestinal mucosa. Racké K, et al. **Pharmacol Res** 1991 Jan;23(1):13–25 (76 ref.)
Fasting, intestinal permeability, and rheumatoid arthritis. Sköldstam L, et al. **Rheum Dis Clin North Am** 1991 May; 17(2):363–71 (51 ref.)
[Morphological and functional adaptation of the small intestine to protein intake. Effect of deprivation and supplemented diets] Czernichow B, et al.
Gastroenterol Clin Biol 1990;14(12):995–1002 (81 ref.) **(Fre)**
[Intestinal apolipoprotein metabolism] Steinmetz A.
Klin Wochenschr 1990;68 Suppl 22:12–8 (24 ref.) (Eng. Abstr.) **(Ger)**
[Metabolism of chylomicrons and very low density lipoproteins] Windler E. **Klin Wochenschr** 1990;68 Suppl 22:19–22 (15 ref.) (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Studies on the ecological impact of antibiotics. Nord CE.
Eur J Clin Microbiol Infect Dis 1990 Jul;9(7):517–8 (4 ref.)
Genetic and molecular basis of epithelial cell invasion by Shigella species. Sansonetti PJ. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S285–92 (46 ref.)
[Gastrointestinal manifestations of AIDS. 1: Basic considerations and viral infections] Prüfer-Krämer L, et al. **Fortschr Med** 1991 Mar 10;109(7):169–72 (41 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Warner-Lambert/Parke-Davis Award lecture. Pathobiology of the intestinal epithelial barrier. Madara JL.
Am J Pathol 1990 Dec;137(6):1273–81 (61 ref.)
Melanosis coli: a case report in a trauma patient and review of the literature. Sosa JL, et al. **Am Surg** 1991 Jun; 57(6):378–80 (12 ref.)
The clinical and biological significance of the transitional mucosa adjacent to colorectal cancer. Wang QA, et al.
Jpn J Surg 1991 May;21(3):253–61 (62 ref.)
Aberrant crypt foci in the detection of colon carcinogens. Bruce WR. **Prog Clin Biol Res** 1990;347:129–37 (24 ref.)

PHYSIOLOGY

Care of the gut in the surgical intensive care unit: fact or fashion? Steinmetz OK, et al. **Can J Surg** 1991 Jun; 34(3):207–15 (92 ref.)
Biologically active peptides in the gastrointestinal lumen. Rao RK. **Life Sci** 1991;48(18):1685–704 (153 ref.)

PHYSIOPATHOLOGY

The starved colon—diminished mucosal nutrition, diminished absorption, and colitis. Roediger WE.
Dis Colon Rectum 1990 Oct;33(10):858–62 (57 ref.)
Stress-related mucosal damage: review of drug therapy. Vorder Bruegge WF, et al. **J Clin Gastroenterol** 1990;12 Suppl 2:S35–40 (26 ref.)
[Physiologic and pathologic age related changes in the small intestine] Riecken EO, et al. **Fortschr Med** 1990 Nov 30; 108(34):654–6 (36 ref.) (Eng. Abstr.) **(Ger)**

SECRETION

The small intestine: prospects for therapeutic approaches in secretory diarrhoeal diseases. Turnberg LA. **Scand J Gastroenterol Suppl** 1990;175:85–92 (31 ref.)

INTESTINAL NEOPLASMS

A case of multiple cavernous hemangioma of the small intestine and clinical review of the Japanese literature. Akamatsu T, et al. **Gastroenterol Jpn** 1990 Aug;25(4):494–8 (5 ref.)

COMPLICATIONS

Crohn's disease and adenocarcinoma of the intestinal tract. Report of four cases. Rubio CA, et al. **Dis Colon Rectum** 1991 Feb;34(2):174–80 (32 ref.)

DIAGNOSIS

[Benign neoplasms of the small intestine] Pandolfi U, et al. **Chir Ital** 1990 Jun–Aug;42(3–4):119–29 (18 ref.) (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Endocrine therapy for desmoid tumors. Wilcken N, et al. **Cancer** 1991 Sep 15;68(6):1384–8 (30 ref.)

ETIOLOGY

Intra-abdominal "angiosarcomatosis" report of two cases after pelvic irradiation. Wolov RB, et al. **Cancer** 1991 May 1;67(9):2275–9 (20 ref.)

PATHOLOGY

Peritoneal endosalpingiosis. Clausen I. **Zentralbl Gynakol** 1991;113(6):329–32 (13 ref.)

SECONDARY

[Intestinal metastasis of pulmonary cancers. Apropos of 2 cases] Jarry O, et al. **Rev Pneumol Clin** 1990;46(6):283–6 (10 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Abdominal surgery in patients with midgut carcinoid tumors. Akerström G, et al. **Acta Oncol** 1991;30(4):547–53 (29 ref.)

THERAPY

[Surgical and ischemic treatment in malignant carcinoid of the small intestine] Akerström G, et al. **Lakartidningen** 1991 May 22;88(21):1983–5 (14 ref.) **(Swe)**

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the intestines. Pozharisski KM. **IARC Sci Publ** 1990;(99):159–98 (204 ref.)

INTESTINAL OBSTRUCTION

DIAGNOSIS

[Volvulus of the sigmoid. Review of 38 cases] Alaoui M, et al. **J Chir (Paris)** 1990 Nov;127(11):542–6 (22 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Obstructing paraduodenal hematoma. Wilson EB, et al. **Am Surg** 1990 Nov;56(11):700–1 (16 ref.)

The ileosigmoid knot. Puthu D, et al. **Dis Colon Rectum** 1991 Feb;34(2):161–6 (13 ref.)

Small bowel obstruction associated with a leiomyomatous uterus. A case report and review of the literature. Fontana R, et al. **J Clin Gastroenterol** 1990 Dec;12(6):690–2 (9 ref.)

Delayed presentation of Hirschsprung's disease: acute obstruction secondary to megacolon with transverse colonic volvulus. Neilson IR, et al. **J Pediatr Surg** 1990 Nov;25(11):1177–9 (14 ref.)

Small bowel obstruction with multiple perforations due to enterolith (bezoar) formed without gastrointestinal pathology. Salim AS. **Postgrad Med J** 1990 Oct; 66(780):872–3 (12 ref.)

Traumatic diaphragmatic hernia and intestinal obstruction due to penetrating trunk wounds. Bush CA, et al. **South Med J** 1990 Nov;83(11):1347–50 (21 ref.)

[The surgical treatment of obstructive cancers of the left colon. Apropos of a series of 66 cases] Jamart J, et al. **Acta Chir Belg** 1991 Jan–Feb;91(1):1–10 (82 ref.) (Eng. Abstr.) **(Fre)**

[Intestinal obstruction in cancer patients] Gutman M, et al. **Harefuah** 1990 Aug;119(3–4):93–5 (18 ref.) **(Heb)**

[Lesions of the gastrointestinal tract in children with dermatomyositis] Musaev SN. **Pediatriia** 1990;(10):101–5 (79 ref.) **(Rus)**

[Segmentary agenesis of the intestinal muscle layer: a rare cause of intestinal obstruction. A case report] Hernández Bermejo JP, et al. **Cir Pediatr** 1990 Oct;3(4):179–80 (9 ref.) (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Relationship between intestinal microecology and the translocation of intestinal bacteria. Wells CL. **Antonie Van Leeuwenhoek** 1990 Aug;58(2):87–93 (30 ref.)

PREVENTION & CONTROL

[Prevention of adhesive disease] Kurguzov OP, et al. **Khirurgiia (Mosk)** 1990 Oct;(10):153–9 (152 ref.) **(Rus)**

RADIOGRAPHY

Clinical utility of enteroclysis. Rex DK, et al. **Trop Gastroenterol** 1991 Jan–Mar;12(1):15–20 (17 ref.)

SURGERY

Amyloidosis associated bleeding diatheses in the surgical patient. Mizutani AR, et al. **Can J Anaesth** 1990 Nov; 37(8):910–2 (15 ref.)

Reoperation for small intestinal obstruction. Fabri PJ, et al. **Surg Clin North Am** 1991 Feb;71(1):131–46 (84 ref.)

[Arteriovenous fistula of the superior mesenteric artery after resection of the ileum] von Kroge H, et al. **Vasa** 1991; 20(2):169–75 (21 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Management of intestinal obstruction in ovarian cancer. Krebs HB, et al. **Oncology (Williston Park)** 1989 May; 3(5):25–31; discussion 31–2, 35–6 (29 ref.)

VETERINARY

Sir Frederick Hobday Memorial Lecture. All wind and water: some progress in the study of equine gut motility. Gerring EL. **Equine Vet J** 1991 Mar;23(2):81–5 (18 ref.)

[Hematologic and clinico-chemical research findings in calves and young cattle with ileus] Doll K. **Tierarztl Prax** 1991 Feb;19(1):44–7 (18 ref.) (Eng. Abstr.) **(Ger)**

INTESTINAL PERFORATION

COMPLICATIONS

[Meconium peritonitis: diagnosis, etiology and treatment] Govaert P, et al. **Tijdschr Kindergeneeskd** 1991 Jun; 59(3):98–105 (40 ref.) (Eng. Abstr.) **(Dut)**

ETIOLOGY

Non-obstructive cecal dilatation and perforation after cesarean section. Sperling LS, et al. **Acta Obstet Gynecol Scand** 1990;69(5):437–9 (20 ref.)

Perforation and tumor formation of the intestine in primary amyloidosis. Ishizaki Y, et al. **Am J Gastroenterol** 1991 Mar; 86(3):363–6 (18 ref.)

Tuberculous appendicitis with perforation. al-Hilaly MA, et al. **Br J Clin Pract** 1990 Dec;44(12):632–3 (7 ref.)

Stercoral perforation of the colon. Serpell JW, et al. **Br J Surg** 1990 Dec;77(12):1325–9 (66 ref.)

Intestinal perforation due to cytomegalovirus infection in patients with AIDS. Kram HB, et al. **Dis Colon Rectum** 1990 Dec;33(12):1037–40 (16 ref.)

Pneumopericardium and pneumomediastinum after polypectomy. Bakker J, et al. **Endoscopy** 1991 Jan; 23(1):46–7 (19 ref.)

Ileal atresia with perforation in siblings. Chiba T, et al. **Eur J Pediatr Surg** 1991 Feb;1(1):51–3 (19 ref.)

Colon perforation due to cholesterol embolism. Anderson WR, et al. **Hum Pathol** 1991 Aug;22(8):839–41 (18 ref.)

Small bowel obstruction with multiple perforations due to enterolith (bezoar) formed without gastrointestinal pathology. Salim AS. **Postgrad Med J** 1990 Oct; 66(780):872–3 (12 ref.)

[Perforation of a loop of the small intestine by a Kim-Ray Greenfield endocaval filter. Report of a case] Drevet D, et al. **Ann Radiol (Paris)** 1990;33(6):347–50 (27 ref.) (Eng. Abstr.) **(Fre)**

[Intestinal perforation occurring at the beginning of treatment: a severe complication of bacillary tuberculosis] Doré P, et al. **Rev Pneumol Clin** 1990;46(2):49–54 (33 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[Right ileocolonic intubation after resection of the terminal ileum for generalized peritonitis caused by ileal perforation. An African experience with 33 cases] Ribault L, et al. **Chirurgie** 1990;116(2):216–27; discussion 227–8 (53 ref.) (Eng. Abstr.) **(Fre)**

[Recurrent spontaneous colon perforation in type 4 Ehlers-Danlos syndrome. Case report and review of the literature] Mayrhofer T, et al. **Chirurg** 1991 Jan;62(1):57–9 (14 ref.) **(Ger)**

INTESTINAL POLYPS

DIAGNOSIS

Non-Hodgkin's lymphoma presenting as a rectal polyp in a child. Pais RC, et al. **J Pediatr Surg** 1990 Dec; 25(12):1280–2 (36 ref.)

PATHOLOGY

Rectal hyperplastic polyps: now you see them, now you don't--a differential point. Waye JD, et al. **Am J Gastroenterol** 1990 Dec;85(12):1557–9 (13 ref.)

[A case of inflammatory fibroid polyp of the ileum--Review of inflammatory fibroid polyp of small intestine in Japan] Fujiyama K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 May;88(5):1245–9 (15 ref.) **(Jpn)**

INTESTINAL PSEUDO-OBSTRUCTION

Acute and chronic intestinal pseudo-obstruction. Camilleri M, et al. **Adv Intern Med** 1991;36:287–306 (69 ref.)

CONGENITAL

[Chronic intestinal pseudo-obstruction syndrome in infants and associated anomalies] Destuynder R, et al. **Arch Fr Pediatr** 1991 Feb;48(2):119–22 (18 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Paralytic ileus as an initial manifestation of malignant VIPoma of the pancreas--case report with review of the literature] Koberstein B, et al. **Z Gastroenterol** 1990 Jun; 28(6):295–301 (46 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

[Pro-kinetic agents. Developments and indications] Layer P. **Z Gastroenterol Verh** 1991 Mar;26:157–8 (19 ref.) **(Ger)**

ETIOLOGY

[An acute pseudo-obstruction of the colon with a background of chronic lead poisoning] Pătrașcu T, et al. **Rev Chir [Chir]** 1990 Jan–Feb;39(1):63–6 (0 ref.) (Eng. Abstr.) **(Rum)**

THERAPY

[A case of chronic idiopathic intestinal pseudoobstruction and a review of literature in Japan] Miyauchi K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jun;88(6):1359–63 (12 ref.) **(Jpn)**

INTESTINAL SECRETIONS

see related
GASTROINTESTINAL HORMONES

DRUG EFFECTS

[Medicamentous modification of gastrointestinal motility and secretion] Allescher HD. **Z Gastroenterol** 1991 Apr;29 Suppl 3:27–30 (34 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Weaning as an approach to the 'non-self'. Burgio GR, et al. **Beitr Infusionther** 1991;27:15–30 (51 ref.)

METABOLISM

Human intestinal cell lines as in vitro tools for electrolyte transport studies with relevance to secretory diarrhoea. Nath SK, et al. **J Diarrhoeal Dis Res** 1990 Dec;8(4):133–42 (53 ref.)

PHYSIOLOGY

[Motor-secretory interactions in the small and large intestine and their disorders] Erckenbrecht JF. **Z Gastroenterol** 1991 Apr;29 Suppl 3:24–6 (22 ref.) **(Ger)**

[Mechanisms of postprandial stimulation of gastrointestinal motility and pancreatic secretion] Katschinski M, et al. **Z Gastroenterol** 1991 Apr;29 Suppl 3:13–7 (52 ref.) **(Ger)**

[Regulation of motility and secretion by the ileo-cecal region] Layer P. **Z Gastroenterol** 1991 Apr;29 Suppl 3:18–21 (24 ref.) **(Ger)**

[Central regulation of gastrointestinal motility and secretion] Lenz HJ. **Z Gastroenterol** 1991 Apr;29 Suppl 3:5–9 (54 ref.) (Eng. Abstr.) **(Ger)**

[Relations between gastrointestinal interdigestive motility and secretion] Malfertheiner P, et al. **Z Gastroenterol** 1991 Apr; 29 Suppl 3:10–2 (21 ref.) (Eng. Abstr.) **(Ger)**

[Resorption and excretion tests] Berberich R. **Z Gastroenterol Verh** 1991 Mar;26:137–9 (14 ref.) **(Ger)**

[Relations between gastrointestinal interdigestive motility and secretion] Malfertheiner P, et al. **Z Gastroenterol Verh** 1991 Mar;26:290–2 (21 ref.) **(Ger)**

INTESTINE, LARGE

BLOOD SUPPLY

[Diseases of the large intestine in the aged. Constipation--diverticulosis--tumors--ischemia] Kasper H. **Fortschr Med** 1990 Nov 30;108(34):647–50 (10 ref.) (Eng. Abstr.) **(Ger)**

INNERVATION

[Disorders of the innervation of the large intestine--classification and diagnosis. Results of a consensus conference of the Society of Gastroenteropathology 1 December 1990 in

Frankfurt/Main] Borchard F, et al. **Pathologe** 1991 May; 12(3):171–4 (10 ref.) **(Ger)**

METABOLISM

Comparative analysis of electrogenic sodium transport in vertebrate large intestine. Clauss W, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):373–82 (55 ref.)

PARASITOLOGY

Relative distribution of Schistosoma japonicum eggs in the intestine of man: a subject of inconsistency. Chen MG. **Acta Trop (Basel)** 1991 Jan;48(3):163–71 (46 ref.)

PHYSIOLOGY

[The thermogenic function of the large intestine and diverticulosis] Shagzh Z. **Sante Publique (Bucur)** 1990 Jan–Mar;33(1):61–7 (21 ref.) **(Fre)**

SURGERY

Control of collagen strength in bowel anastomoses: current status and future prospects. Agrez MV. **Aust N Z J Surg** 1991 Mar;61(3):179–82 (46 ref.)

INTESTINE, SMALL

Endocrine therapy for desmoid tumors. Wilcken N, et al. **Cancer** 1991 Sep 15;68(6):1384–8 (30 ref.)

Small bowel obstruction associated with a leiomyomatous uterus. A case report and review of the literature. Fontana R, et al. **J Clin Gastroenterol** 1990 Dec;12(6):690–2 (9 ref.)

The small intestine: prospects for therapeutic approaches in secretory diarrhoeal diseases. Turnberg LA. **Scand J Gastroenterol Suppl** 1990;175:85–92 (31 ref.)

Reoperation for small intestinal obstruction. Fabri PJ, et al. **Surg Clin North Am** 1991 Feb;71(1):131–46 (84 ref.)

[The mucosa of the small intestine: development of the cellular lipid composition during enterocyte differentiation and postnatal maturation] Alessandri JM, et al. **Reprod Nutr Dev** 1990;30(5):551–76 (108 ref.) (Eng. Abstr.) **(Fre)**

[Benign neoplasms of the small intestine] Pandolfi U, et al. **Chir Ital** 1990 Jun–Aug;42(3–4):119–29 (18 ref.) (Eng. Abstr.) **(Ita)**

[The small intestine involvement syndrome syndrome in AIDS] Valenkevich LN, et al. **Ter Arkh** 1990;62(11):133–5 (31 ref.) **(Rus)**

[Intestinal invagination in adults] Vicens A, et al. **Rev Quir Esp** 1988 Sep–Oct;15(5):213–8 (21 ref.) (Eng. Abstr.) **(Spa)**

[Surgical and ischemic treatment in malignant carcinoid of the small intestine] Akerström G, et al. **Lakartidningen** 1991 May 22;88(21):1983–5 (14 ref.) **(Swe)**

ABNORMALITIES

Congenital short gut, malrotation, and dysmotility of the small bowel. Kern IB, et al. **J Pediatr Gastroenterol Nutr** 1990 Oct;11(3):411–5 (30 ref.)

[Segmentary agenesis of the intestinal muscle layer: a rare cause of intestinal obstruction. A case report] Hernández Bermejo JP, et al. **Cir Pediatr** 1990 Oct;3(4):179–80 (9 ref.) (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

[Report: anatomy, histology and physiology of the intestinal segments involved in urinary entero–cystoplasty] Van Velthoven R. **Acta Urol Belg** 1991;59(2):11–33 (23 ref.) **(Fre)**

BLOOD SUPPLY

[Intestinal ischemia after surgery of the infrarenal aorta. Apropos of 13 cases] Dahan P, et al. **Ann Chir** 1991; 45(5):402–7 (29 ref.) (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Small intestinal effects of starchy foods. Wolever TM. **Can J Physiol Pharmacol** 1991 Jan;69(1):93–9 (72 ref.)

Is there a rational basis for the different spectra of adverse effects of nonsteroidal anti–inflammatory drugs (NSAIDs)? Brune K. **Drugs** 1990;40 Suppl 5:12–5 (22 ref.)

Alcohol and the small intestine. Persson J. **Scand J Gastroenterol** 1991 Jan;26(1):3–15 (133 ref.)

IMMUNOLOGY

Small intestinal mucosal protection mechanisms and their importance in rheumatology. O'Mahony S, et al. **Ann Rheum Dis** 1991 May;50(5):331–6 (71 ref.)

INJURIES

[Perforation of a loop of the small intestine by a Kim–Ray Greenfield endocaval filter. Report of a case] Drevet D, et al. **Ann Radiol (Paris)** 1990;33(6):347–50 (27 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Synthesis of basement membrane proteins in the small intestine. Simon–Assmann P, et al. **Digestion** 1990;46 Suppl 2:12–21 (29 ref.)

Intestinal calcium transport in systemic disease. Studies with brush–border membrane vesicles. Schedl HP, et al. **Miner Electrolyte Metab** 1990;16(2–3):147–53 (33 ref.)

Molecular mechanisms involved in the regulation of amino acid transport. Cheeseman CI. **Prog Biophys Mol Biol** 1991; 55(2):71–84 (81 ref.)

[The receptors for bacterial enterotoxins] Lucas F, et al. **Ann Rech Vet** 1991;22(2):127–45 (50 ref.) (Eng. Abstr.) **(Fre)**

[Surgical treatment of hyperlipoproteinemia] Kurguzov OP, et al. **Khirurgiia (Mosk)** 1991 Jan;(1):125–30 (74 ref.) **(Rus)**

[Chronic enteropathies] Nogaller AM. **Klin Med (Mosk)** 1990 Jul;68(7):25–34 (6 ref.) **(Rus)**

[The role of carbohydrates in child nutrition] Gapparov MM, et al. **Vopr Pitan** 1991 Mar–Apr;(2):15–22 (61 ref.) **(Rus)**

MICROBIOLOGY

[Diagnostic and therapeutic problems in a severe case of bacterial contamination of the small intestine] Biró L, et al. **Orv Hetil** 1991 Mar 3;132(9):475–7 (30 ref.) (Eng. Abstr.) **(Hun)**

PARASITOLOGY

Relative distribution of Schistosoma japonicum eggs in the intestine of man: a subject of inconsistency. Chen MG. **Acta Trop (Basel)** 1991 Jan;48(3):163–71 (46 ref.)

[Immunological aspects of Giardia intestinalis infection] Szczepański M, et al. **Wiad Lek** 1990 Jun 15;43(12):590–6 (38 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Calbindin–D of human small intestine and kidney. Purification, molecular properties and clinical significance. Staun M. **Dan Med Bull** 1991 Jun;38(3):271–82 (138 ref.)

Molecular biology of gastrointestinal peptides and growth factors: relevance to intestinal adaptation. Lund PK, et al. **Digestion** 1990;46 Suppl 2:66–73 (26 ref.)

[The diagnosis in motility disorders of the stomach and small intestine] Layer P, et al. **Dtsch Med Wochenschr** 1991 Feb 15;116(7):261–3 (14 ref.) **(Ger)**

PHYSIOPATHOLOGY

[Esophago–gastro–intestinal manometry: study methods and potential clinical applications] Pandolfo N, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):63–70 (26 ref.) (Eng. Abstr.) **(Ita)**

RADIATION EFFECTS

A comprehensive study of the radiobiological response of the murine (BDF1) small intestine. Potten CS. **Int J Radiat Biol** 1990 Dec;58(6):925–73 (106 ref.)

RADIOGRAPHY

Imaging of the small bowel. Lappas JC, et al. **Curr Opin Radiol** 1991 Jun;3(3):414–21 (22 ref.)

Clinical utility of enteroclysis. Rex DK, et al. **Trop Gastroenterol** 1991 Jan–Mar;12(1):15–20 (17 ref.)

SURGERY

Amyloidosis associated bleeding diatheses in the surgical patient. Mizutani AR, et al. **Can J Anaesth** 1990 Nov; 37(8):910–2 (15 ref.)

[Reinterventions in bilio–digestive anastomosis] Morino F, et al. **G Chir** 1988 Sep;9(9):614–21 (0 ref.) **(Ita)**

TRANSPLANTATION

Small bowel transplantation. Schroeder P, et al. **Microsurgery** 1990;11(4):296–9 (23 ref.)

Experimental models in small–bowel transplantation. Lear PA. **Transplant Proc** 1990 Dec;22(6):2441–2 (16 ref.)

Indications and need for long–term parenteral nutrition: implications for intestinal transplantation. Lennard–Jones JE. **Transplant Proc** 1990 Dec;22(6):2427–9 (11 ref.)

[Report: physiological consequences of the interposition of intestinal segments in the urinary tract] Van Velthoven R. **Acta Urol Belg** 1991;59(2):57–76 (38 ref.) **(Fre)**

[Auto–transplantation of small intestine, an emergency salvage procedure after failure of esophagoplasty] Germain MA, et al. **J Chir (Paris)** 1990 Dec;127(12):572–4 (8 ref.) (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Conventional and high resolution scanning electron microscopy of biological sectioned material. Scala C, et al. **Scanning Microsc** 1991 Mar;5(1):135–44; discussion 144–5 (13 ref.)

INTESTINES

Button battery ingestion: a review. Thompson N, et al. **Adverse Drug React Acute Poisoning Rev** 1990 Autumn; 9(3):157–80 (88 ref.)

ABNORMALITIES

Long–term survival of a patient with congenital short bowel and malrotation. Huysman WA, et al. **J Pediatr Surg** 1991 Jan;26(1):103–5 (13 ref.)

[Hirschsprung's disease associated with intestinal malrotation in an adult and a review of literature] Ko S, et al. **Nippon Geka Gakkai Zasshi** 1991 Apr;92(4):469–72 (14 ref.) (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

Oxygen radicals in intestinal ischemia and reperfusion. Schoenberg MH, et al. **Chem Biol Interact** 1990; 76(2):141–61 (102 ref.)

Association of von Willebrand's disease with plasma cell dyscrasia and gastrointestinal angiodysplasia. Rahmani R, et al. **Isr J Med Sci** 1990 Sep;26(9):504–9 (34 ref.)

Marathon runners: the intestinal handicap. Bounous G, et al. **Med Hypotheses** 1990 Dec;33(4):261–4 (38 ref.)

Intestinal ischemia. Haglund UH, et al. **Surg Annu** 1991;23 Pt 2:173–86 (56 ref.)

Intestinal ischemia complicating abdominal aortic surgery. Brewster DC, et al. **Surgery** 1991 Apr;109(4):447–54 (36 ref.)

[Contribution of scanner in the diagnosis of intestinal infarction] Buchon R, et al. **J Radiol** 1991 May;72(5):291–7 (21 ref.) (Eng. Abstr.) **(Fre)**

[Emergency and critical care problems: acute intestinal ischemia] Encke A. **Z Gastroenterol Verh** 1991 Mar;26:33–4 (18 ref.) **(Ger)**

[Gastrointestinal angiodysplasia] Jakab F, et al. **Orv Hetil** 1990 Sep 9;131(36):1967–71 (20 ref.) (Eng. Abstr.) **(Hun)**

CHEMISTRY

The structure of human intestinal apomucins. Kim YS, et al. **Am Rev Respir Dis** 1991 Sep;144(3 Pt 2):S10–4 (14 ref.)

Aging reduces intestinal and skeletal receptors for 1,25–dihydroxyvitamin D. **Nutr Rev** 1991 Jun;49(6):189–91 (5 ref.)

CYTOLOGY

Growth control factors in the gastrointestinal tract. Goodlad RA, et al. **Baillieres Clin Gastroenterol** 1990 Mar; 4(1):97–118 (139 ref.)

Renewal of the intestinal epithelium: new aspects as indicated by recent ultrastructural observations. Altman GG. **J Electron Microsc Tech** 1990 Sep;16(1):2–14 (44 ref.)

The intestinal habitat for organized lymphoid tissues in ruminants; comparative aspects of structure, function and development. Landsverk T, et al. **Vet Immunol Immunopathol** 1991 Mar;28(1):1–16 (66 ref.)

DRUG EFFECTS

Intestinal contractions: excitatory actions of opioids. Burks TF, et al. **NIDA Res Monogr** 1991;105:20–6 (26 ref.)

ENZYMOLOGY

Benign inherited hyperphosphatasemia of intestinal origin: report of two cases and a brief review of the literature. Panteghini M. **Clin Chem** 1991 Aug;37(8):1449–52 (25 ref.)

GROWTH & DEVELOPMENT

Polyamines in intestinal growth. Luk GD. **Biochem Soc Trans** 1990 Dec;18(6):1090–1 (26 ref.)

IMMUNOLOGY

Lymphocytes in the intestine: role and distribution. Azim T. **J Diarrhoeal Dis Res** 1991 Mar;9(1):1–10 (46 ref.)

INJURIES

Innervation of bladder and bowel. Burnstock G. **Ciba Found Symp** 1990;151:2–18; discussion 18–26 (98 ref.)

INNERVATION

Endogenous opioids, the enteric nervous system and gut motility. Kromer W. **Dig Dis** 1990;8(6):361–73 (49 ref.)

Enteric glia. Gershon MD, et al. **GLIA** 1991;4(2):195–204 (73 ref.)

Neuropeptides and inflammatory bowel disease. Eysselein VE, et al. **Z Gastroenterol Verh** 1991 Mar;26:253–7 (51 ref.)

METABOLISM

Mechanisms and regulation of intestinal uptake and transfer of iron. Flanagan PR. **Acta Paediatr Scand Suppl** 1989; 361:21–30 (76 ref.)

Dermal, intestinal, and renal obligatory losses of calcium: relation to skeletal calcium loss. Charles P, et al. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):266S–273S (49 ref.)

Intestinal amino acid transport: an overview. Argiles JM, et al. **Int J Biochem** 1990;22(9):931–7 (54 ref.)

Methods of investigating intestinal transport. Acra SA, et al. **JPEN J Parenter Enteral Nutr** 1991 May–Jun; 15(3):93S–98S (66 ref.)

Metabolic and intestinal effects of short–chain fatty acids. Rombeau JL, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):181S–185S (44 ref.)

Intestinal calcium transport: the cellular pathway. Bronner F. **Miner Electrolyte Metab** 1990;16(2–3):94–100 (51 ref.)

Intestinal calcium transport in the spontaneously hypertensive rat. Young EW, et al. **Miner Electrolyte Metab** 1990;16(2–3):154–8 (35 ref.)

Calcium-binding proteins: differential regulation in intestine, kidney, and brain. **Nutr Rev** 1991 Jun;49(6):191–4 (13 ref.)
Biotin in animal nutrition. **Nutr Rev** 1990 Sep;48(9):352–5 (11 ref.)
Immune system control of intestinal ion transport. Hinterleitner TA, et al. **Proc Soc Exp Biol Med** 1991 Jul; 197(3):249–60 (108 ref.)

MICROBIOLOGY

The microflora of the gut: recent findings and implications. van der Waaij D. **Dig Dis** 1991;9(1):36–48 (70 ref.)
Aeromonas caviae: ecologic adaptation in the intestinal tract of infants coupled to adherence and enterotoxin production as factors in enteropathogenicity. Namdari H, et al. **Experientia** 1991 May 15;47(5):434–6 (22 ref.)
Microbial H2/CO2 acetogenesis in animal guts: nature and nutritional significance. Breznak JA, et al. **FEMS Microbiol Rev** 1990 Dec;7(3–4):309–13 (30 ref.)
Gut microflora and tissue protein turnover in vivo in animals. Muramatsu T. **Int J Biochem** 1990;22(8):793–800 (89 ref.)
Antagonistic effects of lactobacilli and pediococci to control intestinal colonization by human enteropathogens in live poultry. Juven BJ, et al. **J Appl Bacteriol** 1991 Feb; 70(2):95–103 (105 ref.)
Impact of antimicrobial agents on human intestinal microflora. Nord CE, et al. **J Chemother** 1990 Aug; 2(4):218–37 (70 ref.)
12th C. L. Oakley lecture. Pathogenesis of Clostridium difficile infection of the gut. Borriello SP. **J Med Microbiol** 1990 Dec;33(4):207–15 (53 ref.)
Bacterial translocation of the gut flora. Deitch EA. **J Trauma** 1990 Dec;30(12 Suppl):S184–9 (41 ref.)
Shiga toxin: intestinal cell receptors and pathophysiology of enterotoxic effects. Keusch GT, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S304–10 (26 ref.)
Ecological impact of antimicrobial prophylaxis on intestinal microflora in patients undergoing colorectal surgery. Brismar B, et al. **Scand J Infect Dis Suppl** 1990;70:25–30 (13 ref.)
[Development of intestinal biocenosis in healthy and sick newborn infants] Dzhamali NF, et al. **Pediatriia** 1991; (2):88–92 (59 ref.) **(Rus)**

PATHOLOGY

Light and electron microscopic appearances of pathological changes in HIV gut infection. Francis N. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):495–527 (95 ref.)
Pathophysiology of infectious diarrhea: changes in intestinal structure and function. O'Loughlin EV, et al. **J Pediatr Gastroenterol Nutr** 1991 Jan;12(1):5–20 (174 ref.)
[Clinico-anatomic manifestations of intestinal involvement in shock] Kan'shina NF, et al. **Arkh Patol** 1991;53(2):76–9 (51 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The effects of undigestible fructooligosaccharides on intestinal microflora and various physiological functions on human health. Hidaka H, et al. **Adv Exp Med Biol** 1990; 270:105–17 (12 ref.)
Pre-translational, translational, and post-translational mechanisms in adaptation of intestinal proteins. Alpers DH. **Digestion** 1990;46 Suppl 2:50–8 (39 ref.)
Polyamines in intestinal adaptation and disease. Dowling RH. **Digestion** 1990;46 Suppl 2:331–44 (67 ref.)
Facts and problems of the intestinal basement membrane. Hahn U. **Digestion** 1990;46 Suppl 2:40–8 (26 ref.)
Molecules of the extracellular matrix: potential role of collagens and glycoproteins in intestinal adaptation. Schuppan D, et al. **Digestion** 1990;46 Suppl 2:2–11 (53 ref.)
The role of the gut in shock and multiple system organ failure. Antonsson JB, et al. **Eur J Surg** 1991 Jan; 157(1):3–12 (98 ref.)
[Digestive gas: pathophysiology and therapeutic approach in functional bowel disorders] Cloarec D, et al. **Gastroenterol Clin Biol** 1990;14(8–9):641–50 (120 ref.) **(Fre)**

SURGERY

Healing of experimental intestinal anastomoses. Parameters for repair. Hendriks T, et al. **Dis Colon Rectum** 1990 Oct; 33(10):891–901 (98 ref.)

INTOXICATION see **POISONING**

INTOXICATION, ALCOHOLIC see **ALCOHOLIC INTOXICATION**

INTRA-ABDOMINAL INFUSIONS see **INFUSIONS, PARENTERAL**

INTRA-ARTERIAL LINES see **CATHETERS, INDWELLING**

INTRA-AORTIC BALLOON PUMPING

Postcardiotomy mechanical support. Golding LA. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):29–32 (23 ref.)
Mechanical circulatory support prior to cardiac transplantation. Pennington DG, et al. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):125–34 (40 ref.)

ADVERSE EFFECTS

Intraaortic balloon entrapment--a case report and a review of the literature. Nishizawa J, et al. **Jpn Circ J** 1991 Jun; 55(6):563–6 (9 ref.)

INTRACELLULAR ADHESION MOLECULES see **CELL ADHESION MOLECULES**

INTRACELLULAR FLUID

METABOLISM

The role of ion antiporters in the maintenance of intracellular pH in rat vascular smooth muscle cells. Hogue D, et al. **Mol Cell Biochem** 1991 Apr 10;102(2):125–37 (64 ref.)
Regulation of intracellular pH in glomerular mesangial cells. Ganz MB. **Semin Nephrol** 1991 Jan;11(1):16–27 (36 ref.)
Basic mechanisms of intracellular pH homeostasis in lymphocytes. Saleh AM, et al. **Semin Nephrol** 1991 Jan; 11(1):3–15 (67 ref.)

PHYSIOLOGY

Role of vascular wall renin: intracellular and extracellular mechanism. Inagami T, et al. **Blood Vessels** 1991; 28(1–3):217–23 (26 ref.)
Intracellular free calcium and the first cell cycle of the sea-urchin embryo (Lytechinus pictus). Steinhardt RA. **J Reprod Fertil Suppl** 1990;42:191–7 (24 ref.)

INTRACELLULAR MEMBRANES

The annulate lamellae--from obscurity to spotlight. Kessel RG. **Electron Microsc Rev** 1989;2(2):257–348 (472 ref.)

ENZYMOLOGY

Enzymology of intracellular membrane fusion. Rothman JE. **Klin Wochenschr** 1991 Feb 6;69(3):98–104 (46 ref.)

METABOLISM

A review of the role of 70 kDa heat shock proteins in protein translocation across membranes. Craig E, et al. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):137–46 (37 ref.)
Stress proteins and mitochondrial protein import. Pfanner N, et al. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):191–3 (22 ref.)
Membrane insertion and lateral mobility of synthetic amphiphilic signal peptides in lipid model membranes. Tamm LK. **Biochim Biophys Acta** 1991 Jul 22; 1071(2):123–48 (150 ref.)
How do polypeptides cross the mitochondrial membranes? Neupert W, et al. **Cell** 1990 Nov 2;63(3):447–50 (24 ref.)
Membrane translocation of proteins without hydrophobic signal peptides. Kuchler K, et al. **Curr Opin Cell Biol** 1990 Aug;2(4):617–24 (13 ref.)
Translocation of proteins with signal sequences across membranes. Pugsley AP. **Curr Opin Cell Biol** 1990 Aug; 2(4):609–16 (35 ref.)
Molecular studies of the uncoupling protein. Ricquier D, et al. **FASEB J** 1991 Jun;5(9):2237–42 (49 ref.)
On the translocation of proteins across the chloroplast envelope. Flügge UI. **J Bioenerg Biomembr** 1990 Dec; 22(6):769–87 (73 ref.)
Intracellular pH regulation in epithelial cells. Chen LK, et al. **Kidney Int Suppl** 1991 Jul;33:S11–7 (41 ref.)
The molecular control of transport vesicle fusion. Wattenberg BW. **New Biol** 1990 Jun;2(6):505–11 (50 ref.)

MICROBIOLOGY

Microbial strategies for intracellular survival. Hof H. **Infection** 1991;19 Suppl 4:S202–5 (19 ref.)

PHYSIOLOGY

Biochemistry and function of the plastid envelope. Douce R, et al. **Annu Rev Cell Biol** 1990;6:173–216 (225 ref.)
Molecular aspects of plastid envelope biochemistry. Joyard J, et al. **Eur J Biochem** 1991 Aug 1;199(3):489–509 (268 ref.)
Role of biological membranes in slow-wave sleep. Karnovsky ML. **J Bioenerg Biomembr** 1991 Feb; 23(1):123–32 (61 ref.)
Cell membrane potential analysis. Shapiro HM. **Methods Cell Biol** 1990;33:25–35 (12 ref.)

SECRETION

[Biosynthesis of insulin: intracellular traffic and enzymatic transformations] Vollenweider F, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:109–17 (33 ref.) **(Fre)**

ULTRASTRUCTURE

Microlamellar structures in lobular glomerulonephritis associated with monoclonal IgG lambda paraproteinemia. A case report and review of the literature. Joh K, et al. **Acta Pathol Jpn** 1990 Dec;40(12):913–21 (17 ref.)
Artificial biological membrane ultrastructural changes caused by freezing. Fujikawa S. **Electron Microsc Rev** 1988; 1(1):113–40 (118 ref.)

INTRACELLULAR SECOND MESSENGERS see **SECOND MESSENGER SYSTEMS**

INTRACEREBRAL PRESSURE see **INTRACRANIAL PRESSURE**

INTRACISTERNAL A-PARTICLE GENES

Intracisternal A particles in mouse neoplasia. Kuff EL. **Cancer Cells** 1990 Dec;2(12):398–400 (24 ref.)
Molecular biology of type A endogenous retrovirus. Ono M. **Kitasato Arch Exp Med** 1990 Sep;63(2–3):77–90 (74 ref.)

INTRACORONAL ATTACHMENT see **DENTURE, PRECISION ATTACHMENT**

INTRACRANIAL ANEURYSM see **CEREBRAL ANEURYSM**

INTRACRANIAL ARTERIOVENOUS MALFORMATIONS see **CEREBRAL ARTERIOVENOUS MALFORMATIONS**

INTRACRANIAL HYPERTENSION, BENIGN see **PSEUDOTUMOR CEREBRI**

INTRACRANIAL PRESSURE

see related
PAPILLEDEMA
PSEUDOTUMOR CEREBRI

Primary intracranial hypotension and abnormal radionuclide cisternography. Report of a case and review of the literature. Weber WE, et al. **Clin Neurol Neurosurg** 1991; 93(1):55–60 (37 ref.)
Increased intracranial pressure as a complication of unilateral radical neck dissection in a patient with congenital absence of the transverse sinus. Lydiatt DD, et al. **Head Neck** 1991 Jul–Aug;13(4):359–62 (11 ref.)

DRUG EFFECTS

[Safety of intravenous anesthetics. Evaluation of neurologic effects and intracranial pressure] Zattoni J, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):388–93 (32 ref.) **(Ita)**

PHYSIOLOGY

Intracranial pressure: dynamics and nursing management. Andrus C. **J Neurosci Nurs** 1991 Apr;23(2):85–91 (28 ref.)
Systems analysis of cerebrovascular pressure transmission: an observational study in head-injured patients. Piper IR, et al. **J Neurosurg** 1990 Dec;73(6):871–80 (29 ref.)

INTRADERMAL TESTS

[Diagnosis of allergic rhinitis. I. Anamnesis--ENT medical examination--skin tests--intranasal provocation] Albegger K. **HNO** 1991 Mar;39(3):77–81 (0 ref.) (Eng. Abstr.) **(Ger)**

INTRAMEDULLARY NAILING see **FRACTURE FIXATION, INTRAMEDULLARY**

INTRAOBSERVER VARIATION see **OBSERVER VARIATION**

INTRAOCULAR PRESSURE

see related
GLAUCOMA
OCULAR HYPERTENSION
TONOMETRY

Techniques of intraocular pressure determination. Green K. **Lens Eye Toxic Res** 1990;7(3–4):485–9 (11 ref.)
[Follow-up in glaucoma] Gloor B. **Fortschr Ophthalmol** 1990; 87 Suppl:S163–71 (78 ref.) (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Ophthalmic effects of oximes: a review. Ballantyne B. **Vet Hum Toxicol** 1991 Apr;33(2):151–4 (24 ref.)
[Mechanism of action of beta-blockers] Martin X. **Ophtalmologie** 1990 Mar–Apr;4(2):154–5 (30 ref.) (Eng. Abstr.) **(Fre)**
[Drug therapy of glaucoma] Krieglstein GK. **Fortschr Ophthalmol** 1990;87 Suppl:S172–4 (0 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

[Normal-pressure glaucoma] Flammer J. **Fortschr Ophthalmol** 1990;87 Suppl:S187–9 (23 ref.) (Eng. Abstr.) **(Ger)**

INTRAOPERATIVE CARE

Intraoperative echocardiography. Lazar HL, et al. **Ann Thorac Surg** 1990 Dec;50(6):1010–8 (46 ref.)
Intraoperative blood salvage. Pineda AA, et al. **Baillieres Clin Haematol** 1990 Apr;3(2):385–403 (87 ref.)
Perioperative functional residual capacity. Wahba RW. **Can J Anaesth** 1991 Apr;38(3):384–400 (111 ref.)

Apert syndrome. Anesthetic management. Nargozian C. **Clin Plast Surg** 1991 Apr;18(2):227–30 (34 ref.)
Do peroperative blood transfusions increase the risk of cancer recurrence? Weiden PL. **Eur J Cancer** 1990;26(9):987–9 (15 ref.)
Perioperative uses of histamine antagonists [published erratum appears in J Clin Anesth 1991 Mar–Apr;3(2):170] Lorenz W, et al. **J Clin Anesth** 1990 Sep–Oct;2(5):345–60 (105 ref.)
Intraoperative blood salvage: a review. Williamson KR, et al. **Transfusion** 1991 Sep;31(7):662–75 (119 ref.)
[Temporary pacing in connection with anesthesia. Indications and methods] Fonsmark L, et al. **Ugeskr Laeger** 1991 Mar 25;153(13):913–6 (24 ref.) (Eng. Abstr.) **(Dan)**
[Intraoperative use of ultrasound in neurosurgery] Tange MR, et al. **Ugeskr Laeger** 1991 May 27;153(22):1562–7 (24 ref.) (Eng. Abstr.) **(Dan)**

METHODS

Peri-operative care for oesophagectomy patients. Byth PL, et al. **Aust Clin Rev** 1991;11(1–2):45–50 (12 ref.)
Topical antibiotic irrigation in the prophylaxis of operative wound infections in orthopedic surgery. Dirschl DR, et al. **Orthop Clin North Am** 1991 Jul;22(3):419–26 (45 ref.)
Surgery for ventricular tachycardia: intraoperative mapping techniques. Mickleborough LL. **Semin Thorac Cardiovasc Surg** 1989 Jul;1(1):74–82 (62 ref.)
[Perioperative treatment of diabetics] Malling BV, et al. **Ugeskr Laeger** 1991 Mar 4;153(10):698–701 (29 ref.) (Eng. Abstr.) **(Dan)**
[Rupture of the innominate artery: a complication of tracheal surgery] Bosco G, et al. **G Chir** 1988 May;9(5):303–7 (12 ref.) (Eng. Abstr.) **(Ita)**
[Intraoperative echoencephalography in neurosurgery] Locatelli D, et al. **Medicina (Firenze)** 1990 Oct–Dec; 10(4):386–90 (20 ref.) (Eng. Abstr.) **(Ita)**

INTRAOPERATIVE COMPLICATIONS

Perioperative stroke. Part I: General surgery, carotid artery disease, and carotid endarterectomy. Wong DH. **Can J Anaesth** 1991 Apr;38(3):347–73 (351 ref.)
Perioperative stroke. Part II: Cardiac surgery and cardiogenic embolic stroke. Wong DH. **Can J Anaesth** 1991 May;38(4 Pt 1):471–88 (202 ref.)
Intra- and early postoperative complications of the Le Fort I osteotomy. A retrospective study on 410 cases. de Mol van Otterloo JJ, et al. **J Craniomaxillofac Surg** 1991 Jul; 19(5):217–22 (48 ref.)
[Peroperative and early postoperative hypoxemia] Rosenberg J, et al. **Ugeskr Laeger** 1991 Apr 29;153(18):1262–4 (30 ref.) (Eng. Abstr.) **(Dan)**
[Peroperative aneurysmal rupture: role and consequences of temporary clamping] Ades PE, et al. **Agressologie** 1990 Jun; 31(6):351–6 (55 ref.) (Eng. Abstr.) **(Fre)**
[Hazards and complications of ethmoidal surgery] Bouton V, et al. **Ann Otolaryngol Chir Cervicofac** 1991; 108(4):219–26 (23 ref.) (Eng. Abstr.) **(Fre)**

BLOOD

[Noncardiac risk factors in heart surgery—the blood coagulation system] Tilsner V, et al. **Z Kardiol** 1990;79 Suppl 4:63–70 (28 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Complications of bladder neck suspension procedures. Kelly MJ, et al. **Urol Clin North Am** 1991 May;18(2):339–8 (48 ref.)
[The clinical picture and diagnosis of perioperative delirium tremens] Braun U. **Dtsch Med Wochenschr** 1991 Mar 22; 116(12):465–7 (9 ref.) **(Ger)**
[Intraoperative diagnosis of the heart and great vessels—echocardiography] Erbel R, et al. **Z Kardiol** 1990; 79 Suppl 4:127–40 (81 ref.) (Eng. Abstr.) **(Ger)**
[Intraoperative diagnosis of the heart and great vessels—measuring blood pressure] Gramsch-Zabel H. **Z Kardiol** 1990;79 Suppl 4:97–106 (3 ref.) (Eng. Abstr.) **(Ger)**
[Intraoperative diagnosis—measuring heart time volume and assessment of shunts] Hagl S, et al. **Z Kardiol** 1990;79 Suppl 4:107–17 (39 ref.) (Eng. Abstr.) **(Ger)**
[Intraoperative diagnosis of the heart and great vessels—measuring blood flow and angiocardiography] Meisner H. **Z Kardiol** 1990;79 Suppl 4:121–6 (11 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Rumination risk of aspiration of gastric contents in the Prader-Willi syndrome. Sloan TB, et al. **Anesth Analg** 1991 Oct;73(4):492–5 (23 ref.)
Accessory nerve injury after carotid endarterectomy. Case report. Persson NH, et al. **Eur J Surg** 1991 Mar; 157(3):221–2 (19 ref.)
[Extracardiac risk factors in heart surgery—significance of anesthesia] Kettler D, et al. **Z Kardiol** 1990;79 Suppl 4:79–85 (32 ref.) (Eng. Abstr.) **(Ger)**
[Extracardiac risk factors in heart surgery—drugs] Weber E, et al. **Z Kardiol** 1990;79 Suppl 4:71–8 (27 ref.) (Eng. Abstr.) **(Ger)**
[Complications of rigid ureteroscopy] Vicente J, et al. **Actas Urol Esp** 1991 Jan–Feb;15(1):55–8 (24 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

[Extracorporeal circulation as a risk factor in heart surgery] Birnbaum D, et al. **Z Kardiol** 1990;79 Suppl 4:87–93 (14 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

The bleeding time does not predict surgical bleeding. Lind SE. **Blood** 1991 Jun 15;77(12):2547–52 (58 ref.)

SURGERY

[Basic considerations in fractures of the trochanter major in and after angle plate osteosynthesis] Ritter G, et al. **Unfallchirurgie** 1991 Apr;17(2):106–10 (7 ref.) (Eng. Abstr.) **(Ger)**
[Extra-cardiac risk factors in heart surgery—the vascular system] Dalichau H. **Z Kardiol** 1990;79 Suppl 4:23–9 (9 ref.) (Eng. Abstr.) **(Ger)**
[Intra-operative complications in arthroscopic operations. Results of a re-arthroscopy study] Beickert R, et al. **Zentralbl Chir** 1991;116(8):495–500 (17 ref.) (Eng. Abstr.) **(Ger)**

INTRAOPERATIVE MONITORING

Electrophysiological monitoring of neural functions during neurosurgery. Palma V, et al. **Acta Neurol (Napoli)** 1990 Dec;12(6):481–504 (176 ref.)
[Transesophageal echocardiography—new possibilities of peroperative monitoring of cardiac hemodynamics] Kozáková M, et al. **Vnitr Lek** 1990 Jul;36(7):685–92 (27 ref.) (Eng. Abstr.) **(Cze)**
[Spinal cord monitoring during spinal surgery] Sabato S, et al. **Harefuah** 1991 Feb 1;120(3):154–6 (49 ref.) **(Heb)**

METHODS

A comparison of facial nerve monitoring systems in cerebellopontine angle surgery. Dickins JR, et al. **Am J Otol** 1991 Jan;12(1):1–6 (19 ref.)
Acute spinal cord injury: monitoring and anaesthetic implications. Lam AM. **Can J Anaesth** 1991 May;38(4 Pt 2):R60–73 (71 ref.) **(Eng, Fre)**
[Capnometry and capnography as safety factors in anesthesia] Baum J. **Anaesthesiol Reanim** 1991;16(1):12–22 (40 ref.) (Eng. Abstr.) **(Ger)**
[The importance of pulse oximetry for anesthesia] List WF. **Anaesthesiol Reanim** 1991;16(1):5–10 (16 ref.) (Eng. Abstr.) **(Ger)**

INTRAPERITONEAL INFUSIONS see **INFUSIONS, PARENTERAL**

INTRASPINAL INJECTIONS see **INJECTIONS, SPINAL**

INTRATHECAL INJECTIONS see **INJECTIONS, SPINAL**

INTRAUTERINE CROSS-TRANSFUSION see **FETOFETAL TRANSFUSION**

INTRAUTERINE DEVICES

Safety of intrauterine contraception. Edelman DA, et al. **Adv Contracept** 1990 Sep;6(3):207–17 (23 ref.)
Levonorgestrel-releasing intrauterine device. Luukkainen T. **Ann N Y Acad Sci** 1991;626:43–9 (20 ref.)
Pneumococcal peritonitis complicating CAPD--was the indwelling intrauterine device to blame? Korzets A, et al. **Clin Nephrol** 1991 Jan;35(1):24–5 (13 ref.)
Intrauterine devices. Burkman RT. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):482–5 (20 ref.)
Fertility after contraception or abortion. Huggins GR, et al. **Fertil Steril** 1990 Oct;54(4):559–73 (109 ref.)
Dose- and age-dependent ectopic pregnancy risks with intrauterine contraception. Sivin I. **Obstet Gynecol** 1991 Aug;78(2):291–8 (68 ref.)
Modern trends in contraception. Burkman RT. **Obstet Gynecol Clin North Am** 1990 Dec;17(4):759–74 (58 ref.)
[The outcome of continuing pregnancies in patients with intrauterine devices. A retrospective study from the Maternity Unit of the University Hospital Center at Caen during the period 1985–1988] von Theobald P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1990;19(7):863–8 (25 ref.) (Eng. Abstr.) **(Fre)**

INTRAUTERINE DIAGNOSIS see **PRENATAL DIAGNOSIS**

INTRAUTERINE GROWTH RETARDATION see **FETAL GROWTH RETARDATION**

INTRAUTERINE TRANSFUSION see **BLOOD TRANSFUSION, INTRAUTERINE**

INTRAVENOUS DRIP see **INFUSIONS, INTRAVENOUS**

INTRAVENOUS DRUG DELIVERY SYSTEMS see **INFUSION PUMPS**

INTRAVENOUS FEEDING see **PARENTERAL FEEDING**

INTRAVENOUS HYPERALIMENTATION see **PARENTERAL HYPERALIMENTATION**

INTRAVENOUS INFUSIONS see **INFUSIONS, INTRAVENOUS**

INTRONS

Phage T4 introns: self-splicing and mobility. Belfort M. **Annu Rev Genet** 1990;24:363–85 (90 ref.)
An ancient intron in eubacteria: new light on intron origins. Liu XQ. **Bioessays** 1991 Apr;13(4):185–6 (10 ref.)
Self-splicing introns in prokaryotes: migrant fossils? Belfort M. **Cell** 1991 Jan 11;64(1):9–11 (22 ref.)
RNA editing: world's smallest introns? Cech TR. **Cell** 1991 Feb 22;64(4):667–9 (20 ref.)
Intron-associated splicing reactions in bacteriophage T4. Maley F, et al. **Mol Microbiol** 1990 Jun;4(6):867–71 (27 ref.)
Intron phylogeny: a new hypothesis. Cavalier-Smith T. **Trends Genet** 1991 May;7(5):145–8 (25 ref.)

PHYSIOLOGY

Self-splicing group II and nuclear pre-mRNA introns: how similar are they? Jacquier A. **Trends Biochem Sci** 1990 Sep; 15(9):351–4 (36 ref.)
Involvement of aminoacyl-tRNA synthetases and other proteins in group I and group II intron splicing. Lambowitz AM, et al. **Trends Biochem Sci** 1990 Nov;15(11):440–4 (35 ref.)

INTUBATION

ADVERSE EFFECTS

[Intubation and the avoidance of its risks] Kamp HD. **Klin Anasthesiol Intensivther** 1990;38:57–84 (34 ref.) **(Ger)**

INTUBATION, ENDOTRACHEAL see **INTUBATION, INTRATRACHEAL**

INTUBATION, GASTROINTESTINAL

see related
ENTERAL FEEDING

Enteral alimentation: administration and complications. Benya R, et al. **J Am Coll Nutr** 1991 Jun;10(3):209–19 (92 ref.)
Clinical utility of enteroclysis. Rex DK, et al. **Trop Gastroenterol** 1991 Jan–Mar;12(1):15–20 (17 ref.)

ADVERSE EFFECTS

Pneumothorax complicating small-bore feeding tube placement. Wendell GD, et al. **Arch Intern Med** 1991 Mar; 151(3):599–602 (16 ref.)

METHODS

[Right ileocolonic intubation after resection of the terminal ileum for generalized peritonitis caused by ileal perforation. An African experience with 33 cases] Ribault L, et al. **Chirurgie** 1990;116(2):216–27; discussion 227–8 (53 ref.) (Eng. Abstr.) **(Fre)**

INTUBATION, INTRATRACHEAL

Electrosurgery-induced endotracheal tube ignition during tracheotomy. Aly A, et al. **Ann Otol Rhinol Laryngol** 1991 Jan;100(1):31–3 (6 ref.)
[Endotracheal intubation in infants and children] Chabás Bergón E. **Rev Esp Anestesiol Reanim** 1990 Jul–Aug; 37(4):241–4 (25 ref.) **(Spa)**

ADVERSE EFFECTS

Mainstem bronchial obstruction secondary to nasotracheal intubation: a case report and review of the literature. Knuth TE, et al. **Anesth Analg** 1991 Oct;73(4):487–9 (12 ref.)
Diagnosis and management of subglottic stenosis after neonatal ventilation. Morrissey MS, et al. **Arch Dis Child** 1990 Oct;65(10):1103–4 (20 ref.)
Failed tracheal intubation [see comments] King TA, et al. **Br J Anaesth** 1990 Sep;65(3):400–14 (121 ref.) Comment in: Br J Anaesth 1991 Mar;66(3):415–6.
Fatal airway obstruction caused by a mucous ball from a transtracheal oxygen catheter. Burton GG, et al. **Chest** 1991 Jun;99(6):1520–3 (12 ref.)
Problems associated with prolonged intubation in the geriatric patient. Weymuller EA Jr, et al. **Otolaryngol Clin North Am** 1990 Dec;23(6):1057–74 (33 ref.)
[Sinusitis during nasotracheal intubation] Dubin J, et al. **Rev Laryngol Otol Rhinol (Bord)** 1989;110(1):93–6 (13 ref.) (Eng. Abstr.) **(Fre)**
[A case of left main bronchial rupture due to bronchocath tube] Hatta T, et al. **Kyobu Geka** 1991 Jul;44(7):549–51 (7 ref.) (Eng. Abstr.) **(Jpn)**
[Reflex response to laryngoscopy and tracheal intubation] Villalonga Morales A, et al. **Rev Esp Anestesiol Reanim** 1990 Nov–Dec;37(6):373–7 (25 ref.) **(Spa)**

HISTORY

[Endotracheal intubation--its evolution] Glogov S. **Khirurgiia (Sofiia)** 1990;43(3):65-73 (51 ref.) (Eng. Abstr.) **(Bul)**

METHODS

Rapid sequence anesthesia induction and advanced airway management in pediatric patients. Yamamoto LG. **Emerg Med Clin North Am** 1991 Aug;9(3):611-38 (173 ref.)

Rapid sequence anesthesia induction for emergency intubation. Yamamoto LG, et al. **Pediatr Emerg Care** 1990 Sep;6(3):200-13 (100 ref.)

Review of intubation in severe laryngotracheobronchitis. McEniery J, et al. **Pediatrics** 1991 Jun;87(6):847-53 (24 ref.)

[Methods for ensuring correct tracheal intubation. A review] Andersen KH. **Ugeskr Laeger** 1991 Jan 21;153(4):267-9 (26 ref.) (Eng. Abstr.) **(Dan)**

[Therapy of respiratory insufficiency. Endotracheal suctioning--fiberglass bronchoscopy--long-term intubation--tracheotomy] Sporn P, et al. **Klin Anasthesiol Intensivther** 1991;39:314-25; discussion 333-9 (39 ref.) **(Ger)**

INTUSSUSCEPTION

Intussusception of the rectum and the solitary ulcer syndrome. Ihre T. **Ann Med** 1990 Dec;22(6):419-23 (35 ref.)

COMPLICATIONS

Complete appendicular inversion: the "inside-out" appendix. An unusual presentation of Crohn's disease. A case report and review of the literature. Solomon DJ, et al. **J Belge Radiol** 1991 Mar;74(2):115-6 (8 ref.)

ETIOLOGY

[Peutz-Jeghers syndrome. Description of a case and literature review] Mendes da Costa P, et al. **Acta Gastroenterol Belg** 1990 Mar-Apr;53(2):180-7 (44 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[Intestinal invagination in adults] Vicens A, et al. **Rev Quir Esp** 1988 Sep-Oct;15(5):213-8 (21 ref.) (Eng. Abstr.) **(Spa)**

INVASIVENESS, NEOPLASM see NEOPLASM INVASIVENESS

INVERSE PCR see POLYMERASE CHAIN REACTION

INVERSION (GENETICS)

Paracentric inversion 14. Miller K, et al. **Ann Genet** 1990; 33(4):225-7 (16 ref.)

Iris coloboma, ptosis, hypertelorism, and mental retardation: a new syndrome possibly localised on chromosome 2. Pallotta R. **J Med Genet** 1991 May;28(5):342-4 (7 ref.)

[Pericentric inversion of chromosome 9. Summary of the authors' results] Vargas de los Monteros MT, et al. **An Esp Pediatr** 1990 Nov;33(5):442-9 (37 ref.) (Eng. Abstr.) **(Spa)**

INVERTEBRATES

Venomous and poisonous marine animal injuries. Russell FE. **Vet Hum Toxicol** 1991 Aug;33(4):334-7 (19 ref.)

ANALYSIS

Bioactive compounds from aquatic and terrestrial sources. Rinehart KL, et al. **J Nat Prod** 1990 Jul-Aug;53(4):771-92 (66 ref.)

Marine natural products. Faulkner DJ. **Nat Prod Rep** 1990 Aug;7(4):269-309 (365 ref.)

CYTOLOGY

Growth factors in invertebrate in vitro culture. Ferkovich SM, et al. **In Vitro Cell Dev Biol** 1991 Jun;27A(6):483-6 (40 ref.)

Replacement of vertebrate serum with lipids and other factors in the culture of invertebrate cells, tissues, parasites, and pathogens. Goodwin RH. **In Vitro Cell Dev Biol** 1991 Jun; 27A(6):470-8 (216 ref.)

IMMUNOLOGY

Distribution of Thy-1 in invertebrates and ectothermic vertebrates. Cooper EL, et al. **Immunol Ser** 1989; 45:197-219 (59 ref.)

Primitive cytokines: harbingers of vertebrate defense. Beck G, et al. **Immunol Today** 1991 Jun;12(6):180-3 (25 ref.)

The evolution of inducible defence. Harvell CD. **Parasitology** 1990;100 Suppl:S53-61 (61 ref.)

PHYSIOLOGY

Comparative eicosanoid physiology in invertebrate animals. Stanley-Samuelson DW. **Am J Physiol** 1991 May;260(5 Pt 2):R849-53 (36 ref.)

Ultrastructure of sperm, spermiogenesis, and sperm-egg interactions in selected invertebrates and lower vertebrates which use external fertilization. Koch RA, et al. **J Electron Microsc Tech** 1990 Oct;16(2):115-54 (129 ref.)

Adaptations of visual pigments to the photic environment of the deep sea. Crescitelli F. **J Exp Zool Suppl** 1990; 5:66-75 (58 ref.)

INVERTED REPEAT SEQUENCE see REPETITIVE SEQUENCES, NUCLEIC ACID

INVESTIGATIONAL NEW DRUGS see DRUGS, INVESTIGATIONAL

INVOLUNTARY COMMITMENT see COMMITMENT OF MENTALLY ILL

IODAMOEBIASIS see AMEBIASIS

IODIDE PEROXIDASE

CHEMISTRY

The structure of thyroid autoantigens. Furmaniak J, et al. **Autoimmunity** 1990;7(1):63-80 (110 ref.)

GENETICS

The molecular genetics of three thyroid autoantigens: thyroglobulin, thyroid peroxidase and the thyrotropin receptor. Ludgate M, et al. **Autoimmunity** 1990; 7(2-3):201-11 (56 ref.)

IODINASE see IODIDE PEROXIDASE

IODINE

ADVERSE EFFECTS

Iodine in autoimmune thyroiditis. Sundick RS. **Immunol Ser** 1990;52:213-28 (46 ref.)

A review of iodine toxicity reports. Pennington JA. **J Am Diet Assoc** 1990 Nov;90(11):1571-81 (157 ref.)

[Iodine containing drugs and thyroid gland function. A diagnostic and therapeutic problem] Weissel M. **Acta Med Austriaca** 1991;18(1):6-11 (54 ref.) (Eng. Abstr.) **(Ger)**

[The prevention and therapy of iodine-induced hyperthyroidism] Herrmann J. **Dtsch Med Wochenschr** 1991 Jan 18;116(3):99-101 (13 ref.) **(Ger)**

DEFICIENCY

Endemic goiter and endemic thyroid disorders. Gaitan E, et al. **World J Surg** 1991 Mar-Apr;15(2):205-15 (127 ref.)

[Disorders due to iodine deficiency] Delange F. **Acta Clin Belg** 1990;45(6):394-411 (78 ref.) (Eng. Abstr.) **(Fre)**

[Endemic diseases in Lebanon (II): Iodine deficiency] Gottlieb D. **Harefuah** 1991 Apr 15;120(8):472-4 (24 ref.) **(Heb)**

[Physiological basis of goiter transformation of the thyroid gland and the pathogenesis of euthyroid goiter] Aleshin BV. **Fiziol Zh** 1990 Nov-Dec;36(6):115-20 (27 ref.) (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

[Renal tolerance during administration of iodinated contrast media in diabetic patients] Deray G, et al. **Diabete Metab** 1991 May-Jun;17(3):379-82 (13 ref.) **(Fre)**

PHARMACOLOGY

Cardiovascular effects of iodinated contrast agents. Hirshfeld JW Jr. **Am J Cardiol** 1990 Oct 26;66(14):9F-17F (44 ref.)

TOXICITY

Iodine toxicity secondary to continuous povidone-iodine mediastinal irrigation in dogs. Glick PL, et al. **J Surg Res** 1990 Nov;49(5):428-34 (50 ref.)

IODINE RADIOISOTOPES

Reversible and irreversible labelling of H1- and H2 -receptors using novel [125I] probes. Ruat M, et al. **Agents Actions Suppl** 1991;35:123-44 (37 ref.)

Technical challenges associated with the radiolabeling of monoclonal antibodies utilizing short-lived, positron emitting radionuclides. Finn R, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):9-13 (31 ref.)

Developments in techniques for radioiodination of peptide hormones and other proteins. Karonen SL. **Scand J Clin Lab Invest Suppl** 1990;201:135-8 (22 ref.)

ADMINISTRATION & DOSAGE

[Iodine-125 seed implantation in the treatment of prostatic carcinoma] Hammer J. **Strahlenther Onkol** 1991 Feb; 167(2):63-81 (209 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Radioiodine-131 in the diagnosis and treatment of metastatic well differentiated thyroid cancer. Maxon HR 3d, et al. **Endocrinol Metab Clin North Am** 1990 Sep;19(3):685-718 (136 ref.)

[Monoclonal antibodies as tumoritropic radiopharmaceutical preparations for immunolocalization of malignant neoplasms] Tkacheva GA. **Med Radiol (Mosk)** 1991; 36(5):42-9 (89 ref.) **(Rus)**

ISOLATION & PURIFICATION

[Methods for producing 123I and 201Tl and their use in nuclear medicine] Venikov NI, et al. **Med Radiol (Mosk)** 1991;36(3):52-6 (86 ref.) **(Rus)**

THERAPEUTIC USE

The theoretical implications and experimental and clinical results of radiolabeled antiferritin. Order SE. **Acta Oncol** 1990;29(6):689-94 (46 ref.)

Treatment of thyroid malignancies. Kenady DE, et al. **Curr Opin Oncol** 1991 Feb;3(1):128-38 (141 ref.)

Potential for tumor therapy with iodine-125 labeled immunoglobulins. Adelstein SJ, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):43-4 (10 ref.)

Interstitial brachytherapy for pancreatic cancer: report of seven cases treated with 125I and a review of the literature. Montemaggi P, et al. **Int J Radiat Oncol Biol Phys** 1991 Jul;21(2):451-7 (25 ref.)

The curability of tumours of differing size by targeted radiotherapy using 131I or 90Y. Wheldon TE, et al. **Radiother Oncol** 1991 Jun;21(2):91-9 (29 ref.)

[The interstitial radiotherapy of lung cancer using enclosed 125I radiation sources] Anikin VA, et al. **Med Radiol (Mosk)** 1990 Nov;35(11):39-41 (36 ref.) **(Rus)**

[Treatment of solitary toxic thyroid nodule with 131I: results in 43 patients] Marín JF, et al. **Med Clin (Barc)** 1991 May 18;96(19):730-2 (16 ref.) (Eng. Abstr.) **(Spa)**

IODOBENZENES

DIAGNOSTIC USE

Iodine 131 metaiodobenzylguanidine scintigraphy of medullary carcinoma of the thyroid [published erratum appears in South Med J 1991 Jul;84(7):816, 937] Skowsky WR, et al. **South Med J** 1991 May;84(5):636-41 (33 ref.)

IODODEOXYURIDINE see IDOXURIDINE

5-IODO-2-DEOXYURIDINE see IDOXURIDINE

IODOPROTEINS

see related
SERUM ALBUMIN, RADIO-IODINATED

IODOTHYRONINE DEIODINASE see IODIDE PEROXIDASE

IODOTHYRONINE 5'-DEIODINASE see IODIDE PEROXIDASE

IODOTYROSINE DEIODASE see IODIDE PEROXIDASE

IOHEXOL

DIAGNOSTIC USE

Intracerebral hemorrhage after lumbar myelography with iohexol: report of a case and review of the literature. Van de Kelft E, et al. **Neurosurgery** 1991 Apr;28(4):570-4 (38 ref.)

ION CHANNEL GATING

Structure and modulation of voltage-sensitive sodium and calcium channels. Catterall WA, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:30-5 (29 ref.)

Modulation of a single ion channel by several different protein kinases. Levitan IB, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:36-40 (10 ref.)

The regulation of Ca2+ accumulation and phospholipid metabolism in human platelets. Rittenhouse SE, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:370-4 (16 ref.)

Single-channel studies of glutamate receptors. Sansom MS, et al. **Int Rev Neurobiol** 1990;32:51-106 (200 ref.)

The gating current of the node of Ranvier. Meves H. **Ion Channels** 1990;2:65-121 (121 ref.)

Ligand-gated ion channels in the brain: the amino acid receptor superfamily. Betz H. **Neuron** 1990 Oct;5(4):383-92 (96 ref.)

DRUG EFFECTS

Pertussis toxin-sensitive G-proteins: participation in the modulation of voltage-dependent Ca2+ channels by hormones and neurotransmitters. Rosenthal W, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:89-94 (28 ref.)

Direct and indirect regulation of cardiac L-type calcium channels by beta-adrenoreceptor agonists. Trautwein W, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:45-50 (14 ref.)

Voltage-sensitive sodium channels: agents that perturb

inactivation gating. Agnew WS, et al. **Ann N Y Acad Sci** 1991;625:200–23 (60 ref.)

GENETICS

Voltage-dependent potassium channels: minK and Shaker families. Kaczmarek LK. **New Biol** 1991 Apr;3(4):315–23 (85 ref.)

PHYSIOLOGY

Strategies for studying permeation at voltage-gated ion channels. Lester HA. **Annu Rev Physiol** 1991;53:477–96 (128 ref.)

Magnesium gating of the inwardly rectifying K+ channel. Matsuda H. **Annu Rev Physiol** 1991;53:289–98 (37 ref.)

The TiPS lecture. The nicotinic acetylcholine receptor: an allosteric protein prototype of ligand-gated ion channels. Changeux JP. **Trends Pharmacol Sci** 1990 Dec; 11(12):485–92 (78 ref.)

ION CHANNELS

see related
ION CHANNEL GATING

Intracellular free magnesium concentration: relevance to cardiovascular medicine. Rotevatn S, et al. **Acta Physiol Scand Suppl** 1991;599:125–33 (36 ref.)

The cystic fibrosis defect approached from different angles—new perspectives on the gene, the chloride channel, diagnosis and therapy. Halley DJ, et al. **Eur J Pediatr** 1990 Jul;149(10):670–7 (63 ref.)

Molecular aspects of phosphate transport in Escherichia coli. Rao NN, et al. **Mol Microbiol** 1990 Jul;4(7):1083–90 (55 ref.)

Evolutionary aspects of transmitter molecules, their receptors and channels. Walker RJ, et al. **Parasitology** 1991;102 Suppl:S7–29 (230 ref.)

Tandem sequence repeats in transmembrane channel proteins. Wistow GJ, et al. **Trends Biochem Sci** 1991 May;16(5):170–1 (10 ref.)

CHEMISTRY

Ion channels in nerve and muscle cells. Gordon D. **Curr Opin Cell Biol** 1990 Aug;2(4):695–707 (41 ref.)

Gramicidin, VDAC, porin and perforin channels. Levitt D. **Curr Opin Cell Biol** 1990 Aug;2(4):689–94 (20 ref.)

Fluorescence spectroscopy to probe the structure and cellular dynamics of ion channels. Angelides KJ. **Ion Channels** 1988; 1:1–54 (69 ref.)

Channel protein engineering. An approach to the identification of molecular determinants of function in voltage-gated and ligand-regulated channel proteins. Montal M. **Ion Channels** 1990;2:1–31 (146 ref.)

Structure and function of channels and channelogs as studied by computational chemistry. Eisenman G, et al. **J Membr Biol** 1991 Jan;119(2):109–32 (102 ref.)

DRUG EFFECTS

ATP-activated channels in excitable cells. Bean BP, et al. **Ion Channels** 1990;2:169–203 (92 ref.)

Disruption of cellular elements and water in neurotoxicity: studies using electron probe X-ray microanalysis. LoPachin RM Jr, et al. **Toxicol Appl Pharmacol** 1990 Dec; 106(3):355–74 (145 ref.)

[Channel-forming proteins. III. Colicins] Krasil'nikov OV. **Biol Nauki** 1990;(10):5–20 (53 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Genetic aspects of ion transport systems in hypertension. Bianchi G, et al. **J Hypertens Suppl** 1990 Dec;8(7):S213–8 (52 ref.)

METABOLISM

Ion channels and colonic salt transport. Dawson DC. **Annu Rev Physiol** 1991;53:321–39 (119 ref.)

Regulation of ion transport across gallbladder epithelium. Reuss L, et al. **Annu Rev Physiol** 1991;53:361–73 (65 ref.)

Nicotinic acetylcholine receptor superfamily of ligand-gated ion channels. Stroud RM, et al. **Biochemistry** 1990 Dec 18;29(50):11009–23 (185 ref.)

G protein coupling of receptors to ionic channels and other effector systems. Birnbaumer L, et al. **Br J Clin Pharmacol** 1990;30 Suppl 1:13S–22S (32 ref.)

Single ion channel's view of classical receptor theory. Pallotta BS. **FASEB J** 1991 Apr;5(7):2035–43 (63 ref.)

Ionic channels and proteins in synaptic vesicles: facts and speculations. Rahamimoff R, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec;1(1–4):7–17 (61 ref.)

Liquid junction potentials and small cell effects in patch-clamp analysis. Barry PH, et al. **J Membr Biol** 1991 Apr;121(2):101–17 (36 ref.)

Ligand-gated ion channels in the brain: the amino acid receptor superfamily. Betz H. **Neuron** 1990 Oct;5(4):383–92 (96 ref.)

Phospholipids and electrolyte transport. Yorio T, et al. **Proc Soc Exp Biol Med** 1990 Dec;195(3):293–303 (100 ref.)

Glycine is a coagonist at the NMDA receptor/channel complex. Thomson AM. **Prog Neurobiol** 1990;35(1):53–74 (148 ref.)

[A flip-flop model of the chloride channel complex explains the dysregulation of the chloride flow in the plasmalemma of cells in cystic fibrosis] Thinnes FP, et al. **Klin Wochenschr** 1991 May 3;69(7):283–8 (38 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Membrane electrophysiology of epileptiform activity in the hippocampus. Wheal HV. **Acta Neurochir Suppl (Wien)** 1990;50:6–13 (88 ref.)

Regulation of heartbeat by G protein-coupled ion channels. Brown AM. **Am J Physiol** 1990 Dec;259(6 Pt 2):H1621–8 (44 ref.)

Chloride conductance pathways in heart. Hume JR, et al. **Am J Physiol** 1991 Sep;261(3 Pt 1):C399–412 (129 ref.)

Insights into the structure and function of GABA-benzodiazepine receptors: ion channels and psychiatry. Zorumski CF, et al. **Am J Psychiatry** 1991 Feb; 148(2):162–73 (114 ref.)

Structure and modulation of voltage-gated ion channels. Catterall WA, et al. **Ann N Y Acad Sci** 1991;625:174–80 (24 ref.)

Electroimmunology: membrane potential, ion-channel activities, and stimulatory signal transduction in human T lymphocytes from young and elderly. Damjanovich S, et al. **Ann N Y Acad Sci** 1991;621:29–39 (44 ref.)

Role of G proteins, cyclic AMP, and ion channels in the inhibition of transmitter release by adenosine. Fredholm BB, et al. **Ann N Y Acad Sci** 1990;604:276–88 (44 ref.)

Effects of alcohols on ion channels of cultured neurons. Narahashi T, et al. **Ann N Y Acad Sci** 1991;625:26–36 (65 ref.)

Allosteric actions of central nervous system depressants including anesthetics on subtypes of the inhibitory gamma-aminobutyric acidA receptor-chloride channel complex. Olsen RW, et al. **Ann N Y Acad Sci** 1991; 625:145–54 (72 ref.)

Elevation of [Ca2+]i and the activation of ion channels and fluxes by extracellular ATP and phospholipase C-linked agonists in rat parotid acinar cells. Soltoff SP, et al. **Ann N Y Acad Sci** 1990;603:76–90; discussion 91–2 (38 ref.)

Alcohol and anesthetic actions on excitatory amino acid-activated ion channels. Weight FF, et al. **Ann N Y Acad Sci** 1991;625:97–107 (40 ref.)

Structure-function studies of voltage-gated ion channels. Stühmer W. **Annu Rev Biophys Biophys Chem** 1991; 20:65–78 (124 ref.)

Modulation of cardiac ion channels by magnesium. Agus ZS, et al. **Annu Rev Physiol** 1991;53:299–307 (29 ref.)

Surface charges and ion channel function. Green WN, et al. **Annu Rev Physiol** 1991;53:341–59 (88 ref.)

Strategies for studying permeation at voltage-gated ion channels. Lester HA. **Annu Rev Physiol** 1991;53:477–96 (128 ref.)

Voltage-dependent and agonist-activated ionic currents in vascular endothelial cells: a review. Takeda K, et al. **Blood Vessels** 1990;27(2–5):169–83 (61 ref.)

More than just a channel: provocative new features of protein traffic across the ER membrane. Lingappa VR. **Cell** 1991 May 17;65(4):527–30 (26 ref.)

G protein-mediated ion channel activation. Breitwieser GE. **Hypertension** 1991 May;17(5):684–92 (103 ref.)

Analytical diffusion models for membrane channels. Gates PY, et al. **Ion Channels** 1990;2:223–81 (43 ref.)

Developmental changes in acetylcholine receptor channel properties of vertebrate skeletal muscle. Kidokoro Y. **Ion Channels** 1988;1:163–82 (57 ref.)

Ionic channels in ocular epithelia. Rae JL, et al. **Ion Channels** 1988;1:283–327 (60 ref.)

Diffusion and kinetic approaches to describe permeation in ionic channels. Dani JA, et al. **J Theor Biol** 1990 Oct 7; 146(3):289–301 (58 ref.)

Ion channel regulation in the thick ascending limb of the loop of Henle. Greger R, et al. **Kidney Int Suppl** 1991 Jul; 33:S119–24 (45 ref.)

Chloride channel blockers. Greger R. **Methods Enzymol** 1990;191:793–810 (75 ref.)

Pharmacologic significance of the structural heterogeneity of the GABAA receptor-chloride ion channel complex. Vicini S. **Neuropsychopharmacology** 1991 Jan;4(1):9–15 (36 ref.)

Stretch-activated ion channels and membrane mechanics. Sachs F, et al. **Neurosci Res Suppl** 1990;12:S1–4 (9 ref.)

Ion channels in leukocytes. Gallin EK. **Physiol Rev** 1991 Jul; 71(3):775–811 (290 ref.)

Ionic conductances in dissociated smooth muscle cells. Wong BS. **Proc Soc Exp Biol Med** 1991 Jun;197(2):125–34 (110 ref.)

The biophysics of peptide models of ion channels. Sansom MS. **Prog Biophys Mol Biol** 1991;55(3):139–235 (299 ref.)

Ion channels in Paramecium, yeast and Escherichia coli. Saimi Y, et al. **Trends Biochem Sci** 1988 Aug;13(8):304–9 (36 ref.)

Direct regulation of ion channels by fatty acids. Ordway RW, et al. **Trends Neurosci** 1991 Mar;14(3):96–100 (65 ref.)

[Functional and structural aspects of transport of low molecular weight compounds through biological membranes] Nałęcz KA. **Postepy Biochem** 1989; 35(4):437–67 (181 ref.) **(Pol)**

[Ion channels—the molecular background of neural transmission] Rorsman P, et al. **Lakartidningen** 1991 Sep 4;88(36):2868–77 (47 ref.) (Eng. Abstr.) **(Swe)**

ULTRASTRUCTURE

Cloned genes for ligand-operated ion channels and their expression in vitro. Barnard EA, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:20–9 (25 ref.)

ION CHANNELS, CALCIUM see **CALCIUM CHANNELS**

ION CHANNELS, POTASSIUM see **POTASSIUM CHANNELS**

ION CHANNELS, SODIUM see **SODIUM CHANNELS**

ION EXCHANGE

Ionic mechanisms regulating sodium entry into vascular smooth muscle. Bobik A, et al. **Clin Exp Pharmacol Physiol** 1991 Feb;18(2):117–20 (27 ref.)

Anion exchange reactions in bacteria. Maloney PC. **J Bioenerg Biomembr** 1990 Aug;22(4):509–23 (46 ref.)

ION PUMP see **BIOLOGICAL TRANSPORT, ACTIVE**

IONOPHORES

METABOLISM

Peptide hormones, neurotransmitters, and drugs as Ca2+ ionophores: implications for signal transduction. Ananthanarayanan VS. **Biochem Cell Biol** 1991 Feb–Mar; 69(2–3):93–5 (19 ref.)

PHARMACOKINETICS

[Functional and structural aspects of transport of low molecular weight compounds through biological membranes] Nałęcz KA. **Postepy Biochem** 1989; 35(4):437–67 (181 ref.) **(Pol)**

PHARMACOLOGY

Immunotoxin enhancers. Casellas P, et al. **Cancer Treat Res** 1988;37:351–69 (51 ref.)

Polyether ionophores—effect on rumen function in feedlot cattle. Corah LR. **Vet Clin North Am Food Anim Pract** 1991 Mar;7(1):127–32 (14 ref.)

IONS

Ion-coupled cotransport. Johnstone RM. **Curr Opin Cell Biol** 1990 Aug;2(4):735–41 (27 ref.)

Successes and failures of the Albers-Post model in predicting ion flux kinetics. Sachs JR. **Soc Gen Physiol Ser** 1991; 46:249–66 (56 ref.)

IONTOPHORESIS

Device drug delivery to the eye. Collagen shields, iontophoresis, and pumps. Friedberg ML, et al. **Ophthalmology** 1991 May;98(5):725–32 (46 ref.)

IOTALAMATE MEGLUMINE see **IOTHALAMATE MEGLUMINE**

IOTALAMIC ACID see **IOTHALAMIC ACID**

IOTHALAMATE MEGLUMINE

DIAGNOSTIC USE

[Ionic and non-ionic contrast media] Bryc S. **Ann Univ Mariae Curie Sklodowska [Med]** 1986;41:145–56 (29 ref.) (Eng. Abstr.) **(Pol)**

IOTHALAMIC ACID

DIAGNOSTIC USE

[Ionic and non-ionic contrast media] Bryc S. **Ann Univ Mariae Curie Sklodowska [Med]** 1986;41:145–56 (29 ref.) (Eng. Abstr.) **(Pol)**

IOTHALAMIC ACID METHYLGLUCAMINE see **IOTHALAMATE MEGLUMINE**

IPECAC

ADVERSE EFFECTS

Hemorrhagic colitis and pseudomelanosis coli in ipecac ingestion by proxy. Johnson JE, et al. **J Pediatr Gastroenterol Nutr** 1991 May;12(4):501–6 (26 ref.)

IPPV see **INTERMITTENT POSITIVE-PRESSURE VENTILATION**

IPROVERATRIL see **VERAPAMIL**

IPSID see **IMMUNOPROLIFERATIVE SMALL INTESTINAL DISEASE**

IR GENES see **GENES, IMMUNE RESPONSE**

IRGASAN DP 300 see **TRICLOSAN**

IRIDIUM RADIOISOTOPES

ADMINISTRATION & DOSAGE

[High Dose Rate 192Ir-Microselectron] Bentzen JK, et al. **Ugeskr Laeger** 1990 Oct 1;152(40):2908–10 (18 ref.) (Eng. Abstr.) **(Dan)**

THERAPEUTIC USE

Effect of dose rate on local control and complications in definitive irradiation of T1–2 squamous cell carcinomas of mobile tongue and floor of mouth with interstitial iridium-192. Mazeron JJ, et al. **Radiother Oncol** 1991 May; 21(1):39–47 (41 ref.)

Stage I–II squamous cell carcinoma of the oral cavity treated by iridium-192: is elective neck dissection indicated? Piedbois P, et al. **Radiother Oncol** 1991 Jun;21(2):100–6 (30 ref.)

IRIDOCYCLITIS

Fuchs' heterochromic iridocyclitis. Schwab IR. **Int Ophthalmol Clin** 1990 Fall;30(4):252–6 (14 ref.)

IRIDOVIRIDAE

GENETICS

The Iridovirus frog virus 3: a model for trans-acting proteins. Willis DB, et al. **Microbiol Sci** 1986 Feb;3(2):59–63 (23 ref.)

IRIS

ABNORMALITIES

Iris coloboma, ptosis, hypertelorism, and mental retardation: a new syndrome possibly localised on chromosome 2. Pallotta R. **J Med Genet** 1991 May;28(5):342–4 (7 ref.)

BLOOD SUPPLY

Cholinergic vasoconstriction in the eye. Stjernschantz J. **J Ocul Pharmacol** 1990 Fall;6(3):195–202 (26 ref.)

PHYSIOLOGY

The importance of pupil size in optical quality measurements following radial keratotomy. Applegate RA, et al. **Refract Corneal Surg** 1990 Jan–Feb;6(1):47–54 (33 ref.)

IRON

see related
FERRITIN
TRANSFERRIN

Clinical studies on iron chelation in patients with thalassemia major. Freedman MH, et al. **Haematologica** 1990 Sep–Oct; 75 Suppl 5:74–83 (28 ref.)

ADMINISTRATION & DOSAGE

Fortification of the diet as a strategy for preventing iron deficiency. MacPhail AP, et al. **Acta Paediatr Scand Suppl** 1989;361:114–24 (51 ref.)

Antenatal supplementation--effect on iron status of infants [see comments] Lokeshwar MR, et al. **Indian Pediatr** 1990 Jul;27(7):677–80 (23 ref.) Comment in: Indian Pediatr 1991 Feb;28(2):194–6.

[Some clinical aspects of therapeutic administration of iron preparations in childhood: iron and infections] Handrick W, et al. **Kinderarztl Prax** 1991 Mar;59(3):55–9 (28 ref.) (Eng. Abstr.) **(Ger)**

[Do Norwegian infants get too little iron in the diet?] Baerug A, et al. **Tidsskr Nor Laegeforen** 1991 Apr 20; 111(10):1238–9 (14 ref.) (Eng. Abstr.) **(Nor)**

[Current state of the problem of anemia in pregnancy and the corrective therapy of postpartum hemorrhage] Saburov KhS, et al. **Akush Ginekol (Mosk)** 1990 Jul;(7):10–2 (45 ref.) **(Rus)**

ADVERSE EFFECTS

Iron supplements: a common cause of drug interactions. Campbell NR, et al. **Br J Clin Pharmacol** 1991 Mar; 31(3):251–5 (45 ref.)

Iron, radiation, and cancer. Stevens RG, et al. **Environ Health Perspect** 1990 Jul;87:291–300 (151 ref.)

ANALYSIS

Iron and heme contents of the extracellular hemoglobins and chlorocruorins of annelids. Vinogradov SN, et al. **Comp Biochem Physiol [B]** 1991;98(2–3):187–94 (83 ref.)

BLOOD

HBED: a potential oral iron chelator. Grady RW, et al. **Ann N Y Acad Sci** 1990;612:361–8 (25 ref.)

Design, properties, and effective use of the oral chelator L1 and other alpha-ketohydroxypyridines in the treatment of transfusional iron overload in thalassemia. Kontoghiorghes GJ. **Ann N Y Acad Sci** 1990;612:339–50 (42 ref.)

Iron: nutrition monitoring and nutrition status assessment. Johnson MA. **J Nutr** 1990 Nov;120 Suppl 11:1486–91 (26 ref.)

CHEMISTRY

Studies of hypervalent iron. Bielski BH. **Free Radic Res Commun** 1991;12–13 Pt 2:469–77 (32 ref.)

DEFICIENCY

Biochemical effects of iron deprivation. Hercberg S, et al. **Acta Paediatr Scand Suppl** 1989;361:63–70 (45 ref.)

Iron deficiency and the brain. Parks YA, et al. **Acta Paediatr Scand Suppl** 1989;361:71–7 (25 ref.)

Iron deficiency in the young athlete. Rowland TW. **Pediatr Clin North Am** 1990 Oct;37(5):1153–63 (37 ref.)

Neuroendocrine alterations in iron deficiency. Beard JL. **Prog Food Nutr Sci** 1990;14(1):45–82 (141 ref.)

[Iron deficiency, yesterday, today and always] López Gómez L, et al. **Sangre (Barc)** 1990 Aug;35(4):299–305 (110 ref.) **(Spa)**

DIAGNOSTIC USE

Iron oxide-enhanced MR imaging of the liver and spleen: review of the first 5 years. Ferrucci JT, et al. **AJR Am J Roentgenol** 1990 Nov;155(5):943–50 (20 ref.)

HISTORY

A brief history of iron metabolism. Neilands JB. **Biol Met** 1991;4(1):1–6 (28 ref.)

METABOLISM

Iron for the suckling. Aggett PJ, et al. **Acta Paediatr Scand Suppl** 1989;361:96–102 (37 ref.)

Iron-binding proteins. Brock JH. **Acta Paediatr Scand Suppl** 1989;361:31–43 (128 ref.)

Iron in food and its availability. Fairweather-Tait SJ. **Acta Paediatr Scand Suppl** 1989;361:12–20 (38 ref.)

Mechanisms and regulation of intestinal uptake and transfer of iron. Flanagan PR. **Acta Paediatr Scand Suppl** 1989; 361:21–30 (76 ref.)

Iron and oxygen: a biologically damaging mixture. Gutteridge JM. **Acta Paediatr Scand Suppl** 1989;361:78–85 (55 ref.)

The weanling: iron for all or one. Siimes MA, et al. **Acta Paediatr Scand Suppl** 1989;361:103–8 (17 ref.)

Iron nutrition in childhood: the interplay of genes, development and environment. Wharton BA. **Acta Paediatr Scand Suppl** 1989;361:5–11 (39 ref.)

Iron metabolism: a 40-year overview. Brown EB. **Am J Med** 1989 Sep;87(3N):35N–39N (60 ref.)

Iron storage disease in parents and sibs of infants with neonatal hemochromatosis: 30-year follow-up. Dalhøj J, et al. **Am J Med Genet** 1990 Nov;37(3):342–5 (16 ref.)

Iron and the liver. Bonkovsky HL. **Am J Med Sci** 1991 Jan; 301(1):32–43 (55 ref.)

Transferrin receptor expression in normal and iron overloaded liver. Sciot R, et al. **APMIS Suppl** 1991; 23:21–31 (70 ref.)

Dietary trace elements in early infancy. Chierici R, et al. **Beitr Infusionther** 1991;27:66–85 (120 ref.)

The role of transferrin in the mechanism of cellular iron uptake. Thorstensen K, et al. **Biochem J** 1990 Oct 1; 271(1):1–9 (139 ref.)

Transport of iron across the outer membrane. Braun V, et al. **Biol Met** 1991;4(1):14–22 (31 ref.)

Iron and bacterial virulence--a brief overview. Griffiths E. **Biol Met** 1991;4(1):7–13 (83 ref.)

Regulation of plasmid-mediated iron transport and virulence in Vibrio anguillarum. Tolmasky ME, et al. **Biol Met** 1991; 4(1):33–5 (17 ref.)

The biology of transferrin. de Jong G, et al. **Clin Chim Acta** 1990 Sep;190(1–2):1–46 (239 ref.)

Cellular iron metabolism in health and disease. Weinberg ED. **Drug Metab Rev** 1990;22(5):531–79 (237 ref.)

Current concepts in rational therapy for haemochromatosis. Crawford DH, et al. **Drugs** 1991 Jun;41(6):875–82 (27 ref.)

Iron acquisition and virulence in the motile aeromonads: siderophore-dependent and -independent systems. Byers BR, et al. **Experientia** 1991 May 15;47(5):416–8 (19 ref.)

Iron metabolism and iron chelation in the thalassaemia disorders. Pippard MJ. **Haematologica** 1990 Sep–Oct;75 Suppl 5:66–71 (21 ref.)

The role of monoamine oxidase, iron-melanin interaction, and intracellular calcium in Parkinson's disease. Youdim MB, et al. **J Neural Transm Suppl** 1990;32:239–48 (39 ref.)

Exercise as prevention: do the health benefits derive in part from lower iron levels? Lauffer RB. **Med Hypotheses** 1991 Jun;35(2):103–7 (35 ref.)

Iron stores and the international variation in mortality from coronary artery disease. Lauffer RB. **Med Hypotheses** 1991 Jun;35(2):96–102 (21 ref.)

Iron acquisition and the pathogenesis of meningococcal and gonococcal disease. van Putten JP. **Med Microbiol Immunol (Berl)** 1990;179(6):289–95 (58 ref.)

Iron free radicals and arthritis. Blake DR, et al. **Proc Nutr Soc** 1990 Jul;49(2):239–45 (38 ref.)

[Transferrin, transferrin receptors and incorporation of iron into cells] Fuchs O. **Cesk Fysiol** 1990;39(4):333–52 (110 ref.) **(Cze)**

[Differences in the pattern of iron accumulation in primary and secondary hemochromatosis. Diagnostic importance and clinical consequences] Düllmann J, et al. **Folia Haematol (Leipz)** 1990;117(3):413–7 (26 ref.) (Eng. Abstr.) **(Ger)**

[Physiopathology of iron metabolism and hemochromatosis: interrelationships, assessment and pathogenesis of iron overload, screening] Carrella M, et al. **Ann Ital Med Int** 1989 Oct–Dec;4(4):396–407 (56 ref.) (Eng. Abstr.) **(Ita)**

[Hemochromatosis of the heart] Scieszka J, et al. **Kardiol Pol** 1990;33(11–2):71–6 (38 ref.) **(Pol)**

PHARMACOKINETICS

The effect of food processing on phytate hydrolysis and availability of iron and zinc. Sandberg AS. **Adv Exp Med Biol** 1991;289:499–508 (26 ref.)

PHARMACOLOGY

Iron regulation of ferritin gene expression. Munro HN. **J Cell Biochem** 1990 Oct;44(2):107–15 (26 ref.)

PHYSIOLOGY

Iron and immunity. Farthing MJ. **Acta Paediatr Scand Suppl** 1989;361:44–52 (56 ref.)

Iron and infection: the clinical evidence. Oppenheimer SJ. **Acta Paediatr Scand Suppl** 1989;361:53–62 (98 ref.)

The role of iron in the basal ganglion. Youdim MB, et al. **Adv Neurol** 1990;53:155–62 (40 ref.)

The structure and mechanism of iron-hydrogenases. Adams MW. **Biochim Biophys Acta** 1990 Nov 5;1020(2):115–45 (222 ref.)

Iron in brain function and dysfunction with emphasis on Parkinson's disease. Youdim MB, et al. **Eur Neurol** 1991; 31 Suppl 1:34–40 (45 ref.)

Are copper and iron required for delta-9 desaturation of fatty acids? **Nutr Rev** 1990 Oct;48(10):387–9 (13 ref.)

Oxidative injury mediated by the hepatic cytochrome P-450 system in conjunction with cellular iron. Effects on the pathway of haem biosynthesis. Smith AG, et al. **Xenobiotica** 1990 Sep;20(9):865–77 (60 ref.)

THERAPEUTIC USE

[The incidence of iron deficiency in Hungary among children aged 4–6 years] Bernát Sándor I, et al. **Orv Hetil** 1990 Nov 25;131(47):2595–9 (22 ref.) (Eng. Abstr.) **(Hun)**

TOXICITY

Oxygen toxicity: role of hydrogen peroxide and iron. van Asbeck BS. **Adv Exp Med Biol** 1990;264:235–46 (69 ref.)

Iron toxicosis. Aisen P, et al. **Int Rev Exp Pathol** 1990;31:1–46 (188 ref.)

The cytopathology of metal overload. Alt ER, et al. **Int Rev Exp Pathol** 1990;31:165–88 (67 ref.)

A review on biochemical roles, toxicity and interactions of zinc, copper and iron: IV. Interactions. Abdel-Mageed AB, et al. **Vet Hum Toxicol** 1990 Oct;32(5):456–8 (0 ref.)

IRON CHELATES

New orally effective iron chelators. Animal studies. Hershko C, et al. **Ann N Y Acad Sci** 1990;612:351–60 (38 ref.)

The development of hydroxypyridin-4-ones as orally active iron chelators. Hider RC, et al. **Ann N Y Acad Sci** 1990; 612:327–38 (28 ref.)

METABOLISM

Iron(III) hydroxamate transport across the cytoplasmic membrane of Escherichia coli. Köster W. **Biol Met** 1991; 4(1):23–32 (58 ref.)

Iron acquisition and virulence in the motile aeromonads: siderophore-dependent and -independent systems. Byers BR, et al. **Experientia** 1991 May 15;47(5):416–8 (19 ref.)

Siderophores of bacteria and fungi. Neilands JB. **Microbiol Sci** 1984 Apr;1(1):9–14 (36 ref.)

IRON DEFICIENCY ANEMIA see **ANEMIA, HYPOCHROMIC**

IRON-SULFUR PROTEIN REDUCTASE see **FERREDOXIN-NADP REDUCTASE**

IRON-SULFUR PROTEINS

CHEMISTRY

The structure and mechanism of iron-hydrogenases. Adams MW. **Biochim Biophys Acta** 1990 Nov 5;1020(2):115–45 (222 ref.)

IRRIGATION

METHODS

Carbonated beverages as irrigants for feeding tubes. Nicolau DP, et al. **DICP** 1990 Sep;24(9):840 (8 ref.)

Topical antibiotic irrigation in the prophylaxis of operative wound infections in orthopedic surgery. Dirschl DR, et al. **Orthop Clin North Am** 1991 Jul;22(3):419–26 (45 ref.)

[Irrigation drainage in local treatment of infection of bones and joints] Wörsdörfer O, et al. **Aktuel Probl Chir Orthop** 1990;34:55–64 (30 ref.) **(Ger)**

VETERINARY

Antimicrobial potentiation of irrigation solutions containing

tris-[hydroxymethyl] aminomethane-EDTA. Ashworth CD, et al. **J Am Vet Med Assoc** 1990 Dec 1;197(11):1513-4 (20 ref.)

IRRIGATION, PERITONEAL see **PERITONEAL LAVAGE**

IRRITABLE BOWEL SYNDROME see **COLONIC DISEASES, FUNCTIONAL**

IRRITANTS

Studies of irritant reactions on epidermis: the application of energy dispersive x-ray microanalysis. Lindberg M. **Scanning Microsc** 1991 Mar;5(1):229-37; discussion 237-8 (44 ref.)

ADVERSE EFFECTS

Chronic, irritant contact dermatitis: mechanisms, variables, and differentiation from other forms of contact dermatitis. Dahl MV. **Adv Dermatol** 1988;3:261-75 (35 ref.)
Skin tolerance to cleansing agents. White IR. **Wien Med Wochenschr Suppl** 1990;108:13-6 (18 ref.)

PHARMACOLOGY

Mechanisms of activation of the sensory irritant receptor by airborne chemicals. Nielsen GD. **Crit Rev Toxicol** 1991; 21(3):183-208 (202 ref.)

IS ELEMENTS see **DNA INSERTION ELEMENTS**

ISATIN

Isatin--a new biological factor. Glover V, et al. **Indian J Exp Biol** 1991 Jan;29(1):1-5 (46 ref.)

ISCHEMIA

Chronic lower-extremity ischemia. Part I. Porter JM, et al. **Curr Probl Surg** 1991 Jan;28(1):1-92 (220 ref.)
Acute nontraumatic extremity ischemia. A review. Takolander R, et al. **Eur J Surg** 1991 Apr;157(4):243-9 (90 ref.)
Ischaemic and metabolic treatment of hepatic tumours. Ahrén B, et al. **HPB Surg** 1988 Sep;1(1):3-14 (67 ref.)
Ischemic optic neuropathy. Kay MC. **Neurol Clin** 1991 Feb; 9(1):115-29 (42 ref.)
The effect of amino acids on ischemic and toxic injury to the kidney. Weinberg JM. **Semin Nephrol** 1990 Sep; 10(5):491-500 (120 ref.)

COMPLICATIONS

Role of calcium channel blockers in protection against experimental renal injury. Schrier RW. **Am J Med** 1991 May 17;90(5A):21S-26S (15 ref.)
Replication of the compartment syndrome in a canine model: experimental evaluation of treatment. Ricci MA, et al. **J Invest Surg** 1990;3(2):129-40 (41 ref.)
Iron free radicals and arthritis. Blake DR, et al. **Proc Nutr Soc** 1990 Jul;49(2):239-45 (38 ref.)

DIAGNOSIS

Nonocclusive mesenteric ischemia. Brandt LJ, et al. **Annu Rev Med** 1991;42:107-17 (11 ref.)
Amyloidosis of the colon presenting as ischemic colitis: a case report and review of the literature. Trinh TD, et al. **Gastrointest Radiol** 1991 Spring;16(2):133-6 (25 ref.)
[Ischemic nephropathy] Breyer JA, et al. **Dtsch Med Wochenschr** 1991 Mar 22;116(12):468-72 (18 ref.) **(Ger)**

DRUG THERAPY

Use of ATP following shock and ischemia. Chaudry IH. **Ann N Y Acad Sci** 1990;603:130-40; discussion 140-1 (53 ref.)
Thrombolytic therapy in the management of acute limb ischaemia. Earnshaw JJ. **Br J Surg** 1991 Mar;78(3):261-9 (136 ref.)
Pharmacological approaches to the treatment of ischaemic neuronal damage. Iversen LL. **Eye** 1991;5 (Pt 2):193-7 (21 ref.)

ENZYMOLOGY

[Superoxide dismutases: significances in aging, diabetes, ischemia and cancer] Taniguchi N. **Rinsho Byori** 1990 Aug; 38(8):876-81 (24 ref.) (Eng. Abstr.) **(Jpn)**
[Oxygen free radicals and organ transplants] Colomer J, et al. **Rev Quir Esp** 1988 Nov-Dec;15(6):305-12 (34 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Arterial abnormalities of the hand in athletes. Nuber GW, et al. **Am J Sports Med** 1990 Sep-Oct;18(5):520-3 (18 ref.)
Pancreatic ischaemia in experimental acute pancreatitis: mechanism, significance and therapy. Klar E, et al. **Br J Surg** 1990 Nov;77(11):1205-10 (101 ref.)
The ocular ischemic syndrome. Dhooge M, et al. **Bull Soc Belge Ophtalmol** 1989;231:1-13 (26 ref.)
Blood rheology and ischaemia. Nash GB. **Eye** 1991;5 (Pt 2):151-8 (52 ref.)
The role of fibrinolytic factors in ischaemia. Pandolfi M, et al. **Eye** 1991;5 (Pt 2):159-69 (135 ref.)
Acute colorectal ischaemia after anaphylactoid shock. Travis S, et al. **Gut** 1991 Apr;32(4):443-6 (38 ref.)
Review of the secondary injury theory of acute spinal cord trauma with emphasis on vascular mechanisms. Tator CH, et al. **J Neurosurg** 1991 Jul;75(1):15-26 (146 ref.)
Marathon runners: the intestinal handicap. Bounous G, et al. **Med Hypotheses** 1990 Dec;33(4):261-4 (38 ref.)
The spasm of resistance vessel concept of ischemic heart disease and other ischemic diseases. Hellstrom HR. **Med Hypotheses** 1990 Sep;33(1):31-41 (88 ref.)
Ischemic optic neuropathies. Moro F, et al. **Metab Pediatr Syst Ophthalmol** 1990;13(2-4):75-8 (19 ref.)
Gut mucosal ischemia during cardiac surgery. Fiddian-Green RG. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):389-99 (70 ref.)
Intestinal ischemia. Haglund UH, et al. **Surg Annu** 1991;23 Pt 2:173-86 (56 ref.)
Intestinal ischemia complicating abdominal aortic surgery. Brewster DC, et al. **Surgery** 1991 Apr;109(4):447-54 (36 ref.)
[Intestinal ischemia after surgery of the infrarenal aorta. Apropos of 13 cases] Dahan P, et al. **Ann Chir** 1991; 45(5):402-7 (29 ref.) (Eng. Abstr.) **(Fre)**
[Diseases of the large intestine in the aged. Constipation--diverticulosis--tumors--ischemia] Kasper H. **Fortschr Med** 1990 Nov 30;108(34):647-50 (10 ref.) (Eng. Abstr.) **(Ger)**
[Circulatory disorders of the retina and optic nerve] Mehdorn E, et al. **Fortschr Ophthalmol** 1990;87 Suppl:S70-81 (183 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Oxygen radicals in intestinal ischemia and reperfusion. Schoenberg MH, et al. **Chem Biol Interact** 1990; 76(2):141-61 (102 ref.)
The cell biology of ischemic renal injury. Weinberg JM. **Kidney Int** 1991 Mar;39(3):476-500 (465 ref.)

MORTALITY

The natural history of peripheral vascular disease. Implications for its management. Hertzer NR. **Circulation** 1991 Feb;83(2 Suppl):I12-9 (22 ref.)

PHYSIOPATHOLOGY

Monitoring in microvascular surgery. Furnas H, et al. **Ann Plast Surg** 1991 Mar;26(3):265-72 (75 ref.)
Physiologic stress and cellular ischemia: relationship to immunosuppression and susceptibility to sepsis. Abraham E. **Crit Care Med** 1991 May;19(5):613-8 (69 ref.)
Acute ischemic renal failure: review of experimental studies on pathophysiology and potential protective interventions. Mohaupt M, et al. **Ren Fail** 1989-90;11(4):177-85 (26 ref.)
Clinical syndromes with vasoconstrictor response. Gasser P. **Wien Klin Wochenschr** 1991;103(8):217-21 (54 ref.)
[Blood flow and the functional status of the mucosa before and after vagotomy] Kuzin NM, et al. **Vestn Khir** 1990 Jun;144(6):145-9 (28 ref.) **(Rus)**

RADIOGRAPHY

Lower-extremity arteriography: current approach and techniques. Darcy MD. **Radiology** 1991 Mar;178(3):615-21 (44 ref.)

RADIONUCLIDE IMAGING

Preoperative prediction of extent and severity of ischemic colitis by imaging with in-111 labeled leukocytes. Vijayakumar V, et al. **Clin Nucl Med** 1991 Feb;16(2):98-102 (41 ref.)

SURGERY

Surgical management of acute lower limb ischaemia. Beard JD, et al. **Br J Hosp Med** 1991 Jun;45(6):355-9 (18 ref.)
Chronic lower-extremity ischemia. Part II. Porter JM, et al. **Curr Probl Surg** 1991 Feb;28(2):93-179 (541 ref.)
[Emergency and critical care problems: acute intestinal ischemia] Encke A. **Z Gastroenterol Verh** 1991 Mar;26:33-4 (18 ref.) **(Ger)**
[Current status of amputation surgery] Becker HM, et al. **Zentralbl Chir** 1990;115(14):857-63 (20 ref.) (Eng. Abstr.) **(Ger)**
[When is there an indication for primary femoral amputation in patients with vascular disease?] Hepp W, et al. **Zentralbl Chir** 1990;115(14):865-71 (13 ref.) (Eng. Abstr.) **(Ger)**
[Economic amputations of the lower limbs due to ischemia. II.] Giaccone M, et al. **Minerva Chir** 1991 Feb; 46(3-4):135-41 (11 ref.) (Eng. Abstr.) **(Ita)**
[Economic amputations of the lower limbs due to ischemia. I.] Ricci E, et al. **Minerva Chir** 1991 Feb;46(3-4):129-33 (36 ref.) (Eng. Abstr.) **(Ita)**
[Ischemic infarct of the liver] Ponomarev AA. **Klin Khir** 1990;(9):53-6 (37 ref.) **(Rus)**
[Autovenous shunting of arteries of the lower extremities without separation of the vein from its bed (in situ)] Balatskii OA. **Vestn Khir** 1990 Oct;145(10):137-40 (40 ref.) **(Rus)**

THERAPY

Perfluorochemical oxygen carriers and ischaemic tissues. Lowe KC. **Adv Exp Med Biol** 1990;277:257-66 (46 ref.)
Radiological management of acute lower limb ischaemia. Gaines PA, et al. **Br J Hosp Med** 1991 Jun;45(6):343-4, 346-53 (30 ref.)
Non-surgical treatment of critical limb ischaemia. Norgren L. **Eur J Vasc Surg** 1990 Oct;4(5):449-54 (59 ref.)
[Interventional angiology in the area of the thigh. Percutaneous balloon dilatation, new procedures of recanalization, stents] Teifke A, et al. **Fortschr Med** 1991 Mar 30;109(9):204-7 (17 ref.) (Eng. Abstr.) **(Ger)**
[Nonsurgical recanalization of tibial arteries. Balloon dilatation, local fibrinolysis and aspiration embolectomy] Teifke A, et al. **Fortschr Med** 1991 Mar 30;109(9):208-9 (9 ref.) (Eng. Abstr.) **(Ger)**

ISCHEMIA-REPERFUSION INJURY see **REPERFUSION INJURY**

ISCHEMIC HEART DISEASE see **CORONARY DISEASE**

ISCHIUM

BLOOD SUPPLY

[A case of the persistent sciatic artery] Emura S, et al. **Kaibogaku Zasshi** 1991 Feb;66(1):27-30 (10 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

[The regenerative ability of the iliac crest following spongiosa removal in man--induction by phosphate ceramics? I] Roesgen M. **Unfallchirurgie** 1990 Oct;16(5):258-65 (0 ref.) (Eng. Abstr.) **(Ger)**

ISLAND FLAPS see **SURGICAL FLAPS**

ISLANDS OF LANGERHANS see **ISLETS OF LANGERHANS**

ISLET-ACTIVATING PROTEIN see **PERTUSSIS TOXINS**

ISLET CELL TUMOR

DIAGNOSIS

Islet cell carcinoma of the pancreas presenting as bleeding from isolated gastric varices. Report of a case and review of the literature. Metz DC, et al. **Dig Dis Sci** 1991 Feb; 36(2):241-4 (16 ref.)

DRUG THERAPY

Clinical review 23: The use of the long-acting somatostatin analog octreotide in the treatment of gut neuroendocrine tumors. Wynick D, et al. **J Clin Endocrinol Metab** 1991 Jul;73(1):1-3 (5 ref.)
[Hormone therapy of neoplasms] Abe K. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):373-6 (15 ref.) **(Jpn)**

THERAPY

Endocrine pancreatic carcinoma. Rothmund M, et al. **Eur J Surg Oncol** 1991 Apr;17(2):191-9 (29 ref.)
[Gastrointestinal hormone-active tumors. II. Systemic therapy] Müller MK, et al. **Med Klin** 1990 Nov 15; 85(11):665-71 (114 ref.) **(Ger)**

ISLET CELL TUMOR, ULCEROGENIC see **ZOLLINGER-ELLISON SYNDROME**

ISLETS OF LANGERHANS

New perspectives on the structure and function of the normal and diabetic beta-cell. Hellerström C, et al. **Ups J Med Sci** 1991;96(1):1-16 (84 ref.)

CHEMISTRY

Islet amyloid and type 2 (non-insulin-dependent) diabetes. Clark A. **S Afr Med J** 1990 Dec 1;78 Suppl:7-11 (50 ref.)

CYTOLOGY

Elusive proximal signals of beta-cells for insulin secretion. MacDonald MJ. **Diabetes** 1990 Dec;39(12):1461-6 (42 ref.)
[Chromogranins in endocrine cells of the digestive system] Grube D, et al. **Acta Histochem Suppl** 1990;38:81-5 (9 ref.) **(Ger)**

EMBRYOLOGY

Maternal diabetes during pregnancy: consequences for the offspring. Aerts L, et al. **Diabetes Metab Rev** 1990 Dec; 6(3):147-67 (62 ref.)
Ontogenesis of human fetal pancreas in use for transplantation. Hahn von Dorsche H, et al. **Horm Metab Res Suppl** 1990;25:227-33 (30 ref.)

ENZYMOLOGY

Phospholipase D in the pancreatic islet: evidence suggesting the involvement of phosphatidic acid in signal transduction.

Metz S, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1991; 21A:287–90 (17 ref.)

IMMUNOLOGY

An overview on possible mechanisms of destruction of the insulin-producing beta cell. Cooke A.
Curr Top Microbiol Immunol 1990;164:125–42 (105 ref.)
Immune responses to tissue-restricted self antigens: studies on T cell tolerance and autoimmunity to pancreatic beta cells. Lo D. **Curr Top Microbiol Immunol** 1990;164:71–94 (96 ref.)
The 64-kDa beta cell membrane autoantigen and other target molecules of humoral autoimmunity in insulin-dependent diabetes mellitus. Sigurdsson E, et al.
Curr Top Microbiol Immunol 1990;164:143–68 (133 ref.)
Molecular analysis of the pathogenesis of beta-cell destruction in insulin-dependent diabetes mellitus. Lernmark A, et al. **West J Med** 1990 Nov;153(5):499–502 (26 ref.)
[Role of pancreatic islet cell antibodies and insulin autoantibodies in insulin-dependent diabetes mellitus] Hao W, et al. **Chung Hua Nei Ko Tsa Chih** 1990 Oct;29(10):624–7 (20 ref.) **(Chi)**

INNERVATION

Cholinergic regulation of the endocrine pancreas. Ahrén B, et al. **Prog Brain Res** 1990;84:209–18 (71 ref.)
[Central nervous system regulation of the endocrine pancreas] Siegel EG. **Z Gastroenterol Verh** 1991 Mar; 26:244–7 (30 ref.) **(Ger)**

METABOLISM

Diabetic hyperglycemia: link to impaired glucose transport in pancreatic beta cells. Unger RH. **Science** 1991 Mar 8; 251(4998):1200–5 (50 ref.)
[Amylin, islet amyloid and diabetes mellitus type II] Fehmann HC, et al. **Dtsch Med Wochenschr** 1990 Nov 16; 115(46):1769–72 (47 ref.) **(Ger)**

PATHOLOGY

Possible chronological events leading to pancreatic beta cell damage in type I diabetes mellitus. Bottazzo GF, et al. **Ann Ital Med Int** 1988;3 Suppl 1:53–9 (34 ref.)
Cytokine and free radicals as effector molecules in the destruction of pancreatic beta cells. Mandrup-Poulsen T, et al. **Curr Top Microbiol Immunol** 1990;164:169–93 (154 ref.)
Banting lecture 1990. Beta-cells in type II diabetes mellitus. Porte D Jr. **Diabetes** 1991 Feb;40(2):166–80 (87 ref.)

PHYSIOLOGY

Multiple effects of increases in phosphoinositide hydrolysis on islets and their relationship to changing patterns of insulin secretion. Zawalich W. **Diabetes Res** 1990 Mar; 13(3):101–11 (65 ref.)
Electrophysiology of the pancreatic beta-cell. Ashcroft FM, et al. **Prog Biophys Mol Biol** 1989;54(2):87–143 (264 ref.)

PHYSIOPATHOLOGY

Natural history of beta-cell dysfunction in NIDDM. Leahy JL. **Diabetes Care** 1990 Sep;13(9):992–1010 (196 ref.)
[Beta cells in Type II diabetes: culprit or victim?] Scheen AJ, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:153–69 (89 ref.) **(Fre)**

SECRETION

Regulation of glucagon release from pancreatic A-cells. Rorsman P, et al. **Biochem Pharmacol** 1991 Jun 15; 41(12):1783–90 (39 ref.)
Protein kinase C and the regulation of insulin secretion from pancreatic B cells. Jones PM, et al. **J Mol Endocrinol** 1991 Apr;6(2):121–7 (61 ref.)
[Biosynthesis of insulin: intracellular traffic and enzymatic transformations] Vollenweider F, et al.
Journ Annu Diabetol Hotel Dieu 1991;:109–17 (33 ref.) **(Fre)**

ISLETS OF LANGERHANS TRANSPLANTATION

Pancreas and islet cell transplantation for type I diabetes mellitus: does it have a role for children? Allen DB, et al. **Adv Pediatr** 1990;37:391–412 (95 ref.)
Recent achievements in experimental and clinical islet transplantation. Federlin K, et al. **Diabetic Med** 1991 Jan; 8(1):5–12 (74 ref.)
Ontogenesis of human fetal pancreas in use for transplantation. Hahn von Dorsche H, et al.
Horm Metab Res Suppl 1990;25:227–33 (30 ref.)
[Pancreas and pancreatic islets grafts in humans] Timsit J, et al. **Presse Med** 1991 Aug 31–Sep 7;20(27):1281–6 (34 ref.) (Eng. Abstr.) **(Fre)**
[Surgical aspects of pancreas transplantation in patients with diabetes mellitus] Ignatenko SN, et al.
Probl Endokrinol (Mosk) 1991 Mar–Apr;37(2):62–5 (79 ref.) **(Rus)**

IMMUNOLOGY

The contribution of MHC antigen modulation to islet allograft rejection. Markmann JF, et al.
Horm Metab Res Suppl 1990;25:104–8 (29 ref.)
Islet transplantation to study autoimmune pathogenesis of diabetes in BB rat. Markmann JF, et al.
Horm Metab Res Suppl 1990;25:116–9 (10 ref.)
Studies of privileged sites and islet transplantation. Barker CF, et al. **Transplant Proc** 1991 Aug;23(4):2138–42 (27 ref.)

METHODS

A bioartificial pancreas to prevent diabetic microangiopathy? Reach G, et al. **Contrib Nephrol** 1990;78:157–64; discussion 165 (30 ref.)

ISOANTIBODIES

see related
BLOOD GROUPS

ANALYSIS

Complications of hemophilia A treatment: factor VIII inhibitors. Kasper CK. **Ann N Y Acad Sci** 1991;614:97–105 (47 ref.)

BIOSYNTHESIS

Prevention of HLA alloimmunization: role of leukocyte depletion and UV-B irradiation. Snyder EL.
Yale J Biol Med 1990 Sep–Oct;63(5):419–27 (42 ref.)

BLOOD

Alloantibodies in congenital von Willebrand's disease. Mannucci PM, et al. **Ric Clin Lab** 1991 Jan–Mar; 21(1):119–25 (20 ref.)

IMMUNOLOGY

ADCC and other cellular bioassays for predicting the clinical significance of red cell alloantibodies. Engelfriet CP, et al. **Baillieres Clin Haematol** 1990 Apr;3(2):321–37 (40 ref.)
Autoantibodies, alloantibodies and reproductive success. Mowbray JF. **Curr Opin Immunol** 1989–90;2(5):761–4 (12 ref.)
Hemolytic disease of the newborn caused by anti-Jkb [letter] Merlob P, et al. **Pediatr Hematol Oncol** 1987;4(4):357–60 (7 ref.)
Red cell antibodies arising from solid organ transplants. Ramsey G. **Transfusion** 1991 Jan;31(1):76–86 (87 ref.)

ISOANTIGENS

see related
BLOOD GROUPS

BIOSYNTHESIS

[Prognostic value of the expression of ABH isoantigens in tumors of the bladder urothelium] Anton Aparicio LM, et al. **Rev Med Univ Navarra** 1989 Apr–Jun;33(2):111–2 (12 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Prevention of alloimmunization against platelets [editorial] Schiffer CA. **Blood** 1991 Jan 1;77(1):1–4 (38 ref.)
Platelet transfusions irradiated with ultraviolet-B light may have a role in reducing recipient alloimmunization. Tandy NP, et al. **Blood Coagul Fibrinolysis** 1991 Apr;2(2):383–8 (38 ref.)
The Niels Jerne lecture. Why does the exposure to allogeneic cells sometimes lead to immunization and sometimes not? van Rood JJ. **Res Immunol** 1990 Oct;141(8):783–94 (29 ref.)
Neonatal alloimmune thrombocytopenia. Levine AB, et al. **Semin Perinatol** 1991 Jun;15(3 Suppl 2):35–40 (32 ref.)

ISOCITRATE DEHYDROGENASE

METABOLISM

Ca2(+)-binding to citrate cycle dehydrogenases. Rutter GA. **Int J Biochem** 1990;22(10):1081–8 (75 ref.)

ISOENZYMES

[Complex forms of enzymes and prospects for their study (review of the literature)] Gromashevskaia LL, et al. **Lab Delo** 1991;(1):3–9 (49 ref.) **(Rus)**

ANALYSIS

Taxonomy of Leishmania. Use of isoenzymes. Suggestions for a new classification. Rioux JA, et al.
Ann Parasitol Hum Comp 1990;65(3):111–25 (60 ref.)
Aspartate aminotransferase isoenzymes. Panteghini M.
Clin Biochem 1990 Aug;23(4):311–9 (107 ref.)
Two forms of cytochrome P-450(11 beta) in rat zona glomerulosa cells: a short review. Müller J, et al.
Endocr Res 1991;17(1–2):165–84 (53 ref.)
Glutathione S-transferase in humans in health and disease. Hayes PC, et al. **Gut** 1991 Jul;32(7):813–8 (61 ref.)
Overview: subunit diversity in the Na,K-ATPase. Sweadner KJ. **Soc Gen Physiol Ser** 1991;46:63–76 (63 ref.)

BLOOD

Serum alkaline phosphatase isoenzymes as markers of liver disease. Narayanan S. **Ann Clin Lab Sci** 1991 Jan–Feb; 21(1):12–8 (25 ref.)
Benign inherited hyperphosphatasemia of intestinal origin: report of two cases and a brief review of the literature. Panteghini M. **Clin Chem** 1991 Aug;37(8):1449–52 (25 ref.)
Serum isoenzymes in cancer diagnosis and management. Mercer DW. **Immunol Ser** 1990;53:613–29 (82 ref.)

CHEMISTRY

A topographical model for the c-AMP phosphodiesterase III active site. Erhardt PW, et al. **Life Sci** 1991;49(8):553–68 (92 ref.)
Conformational transitions in the alpha-subunit and ion occlusion. Jørgensen PL. **Soc Gen Physiol Ser** 1991; 46:189–200 (25 ref.)

CLASSIFICATION

Genetic heterogeneity of the human glutathione transferases: a complex of gene families. Board P, et al.
Pharmacol Ther 1990;48(3):357–69 (88 ref.)

GENETICS

Aldehyde dehydrogenases: what can be learned from a baker's dozen sequences? Lindahl R, et al.
Adv Exp Med Biol 1991;284:1–8 (32 ref.)
Molecular biological studies of monoamine oxidase: structure and function. Powell JF. **Biochem Soc Trans** 1991 Feb; 19(1):199–201 (9 ref.)
Regulation of the expression of the sex-specific isoforms of cytochrome P-450 in rat liver. Kobliakov V, et al.
Eur J Biochem 1991 Feb 14;195(3):585–91 (88 ref.)
Molecular genetics of phosphorylase kinase: cDNA cloning, chromosomal mapping and isoform structure. Kilimann MW. **J Inherited Metab Dis** 1990;13(4):435–41 (26 ref.)
Molecular basis of human MAO A and B. Shih JC.
Neuropsychopharmacology 1991 Jan;4(1):1–7 (43 ref.)
Complete coding sequence of a human B-raf cDNA and detection of B-raf protein kinase with isozyme specific antibodies. Sithanandam G, et al. **Oncogene** 1990 Dec; 5(12):1775–80 (33 ref.)
Protein tyrosine phosphatases: a diverse family of intracellular and transmembrane enzymes. Fischer EH, et al. **Science** 1991 Jul 26;253(5018):401–6 (79 ref.)
Regulation of the alpha-subunit genes of the Na,K-ATPase and determinants of cardiac glycoside sensitivity. Lingrel JB, et al. **Soc Gen Physiol Ser** 1991;46:1–16 (42 ref.)
[The significance of cytochrome P450 gene superfamily for the clinical pharmacokinetics of drugs] Brøsen K.
Ugeskr Laeger 1991 Feb 4;153(6):417–22 (27 ref.) (Eng. Abstr.) **(Dan)**
[Use of monoclonal antibodies for studying cytochrome P-450 forms. Use of interspecies homology of amino acid sequence] Brauze D, et al. **Folia Med Cracov** 1990; 31(3):121–30 (30 ref.) (Eng. Abstr.) **(Pol)**

ISOLATION & PURIFICATION

The zymogram technique: isoenzyme patterns as an aid in Penicillium classification. Cruickshank RH, et al.
Microbiol Sci 1987 Jan;4(1):14–7 (17 ref.)

METABOLISM

Short-lasting and reversible inhibition of monoamine oxidase-A by moclobemide. Da Prada M, et al.
Acta Psychiatr Scand Suppl 1990;360:103–5 (10 ref.)
Comparison of monoamine oxidase-A inhibition by moclobemide in vitro and ex vivo in rats. Kettler R, et al. **Acta Psychiatr Scand Suppl** 1990;360:101–2 (18 ref.)
The cytochrome P450 metabolic pathway of arachidonic acid in the cornea. Schwartzman ML, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1991; 21A:185–92 (23 ref.)
Limited proteolysis of protein kinase C by calpain, its possible implication. Kishimoto A.
Adv Second Messenger Phosphoprotein Res 1990;24:472–7 (16 ref.)
Mechanism of fatty acid ethyl ester formation and biological significance. Lange LG. **Ann N Y Acad Sci** 1991;625:802–5 (9 ref.)
Regulation of cytosolic phosphoinositide-phospholipase C by G-protein, Gp. Cockcroft S, et al.
Biochem Soc Trans 1991 Apr;19(2):299–302 (26 ref.)
Structure-modulated recognition of substrates and inhibitors by monoamine oxidases A and B. Dostert P, et al.
Biochem Soc Trans 1991 Feb;19(1):207–11 (24 ref.)
Phorbol ester activation of the isotypes of protein kinase C from bovine and rat brain. Evans FJ, et al.
Biochem Soc Trans 1991 Apr;19(2):397–402 (32 ref.)
Multiple forms of phosphoinositide-specific phospholipase C and different modes of activation. Rhee SG, et al.
Biochem Soc Trans 1991 Apr;19(2):337–41 (24 ref.)
The interaction of monoamine oxidases with tertiary amines. Singer TP, et al. **Biochem Soc Trans** 1991 Feb;19(1):211–5 (19 ref.)
Novel substrates and products of amine oxidase-catalysed reactions. Youdin MB, et al. **Biochem Soc Trans** 1991 Feb; 19(1):224–8 (26 ref.)
Selective phospholipase C activation. Wahl M, et al.
Bioessays 1991 Mar;13(3):107–13 (61 ref.)

Enzyme mechanisms in the metabolism of nitrosamines. Yang CS, et al. **IARC Sci Publ** 1991;(105):265–74 (47 ref.)
The guanylyl cyclase receptor family. Garbers DL. **New Biol** 1990 Jun;2(6):499–504 (45 ref.)
[Imprinting of cytochrome P-450 and regulation of expression of its sex isoforms in the rat liver] Kobliakov VA, et al. **Vopr Onkol** 1990;36(12):1418–28 (69 ref.) **(Rus)**

PHYSIOLOGY

The heterogeneity of protein kinase C in signal transduction cascade. Ogita K, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:218–23 (8 ref.)
Involvement of the gamma subtype of protein kinase C in GABA release from the cerebellum. Taniyama K, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:399–404 (43 ref.)
Phylogenetic distribution of superoxide dismutase supports an endosymbiotic origin for chloroplasts and mitochondria. Grace SC. **Life Sci** 1990;47(21):1875–86 (114 ref.)
Substrate specificities and functions of the P450 cytochromes. Juchau MR. **Life Sci** 1990;47(26):2385–94 (81 ref.)
Glucose repression: a complex regulatory system in yeast. Entian KD. **Microbiol Sci** 1986 Dec;3(12):366–71 (65 ref.)
Role of site-selective cAMP analogs in the control and reversal of malignancy. Cho-Chung YS, et al. **Pharmacol Ther** 1991;50(1):1–33 (346 ref.)
A cell biologist's perspective on sites of Na,K-ATPase regulation. Fambrough DM, et al. **Soc Gen Physiol Ser** 1991;46:17–30 (27 ref.)
Differential modulation of tissue function and therapeutic potential of selective inhibitors of cyclic nucleotide phosphodiesterase isoenzymes. Nicholson CD, et al. **Trends Pharmacol Sci** 1991 Jan;12(1):19–27 (44 ref.)

ISOFLURANE

Use of halothane and isoflurane in the horse. Brunson DB. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):529–41 (34 ref.)

ANALOGS & DERIVATIVES

In vivo 19F nuclear magnetic resonance brain studies of halothane, isoflurane, and desflurane. Rapid elimination and no abundant saturable binding. Litt L, et al. **Ann N Y Acad Sci** 1991;625:707–24 (33 ref.)
Desflurane and sevoflurane: inhalation anaesthetics for this decade? Jones RM. **Br J Anaesth** 1990 Oct;65(4):527–36 (66 ref.)

PHARMACOKINETICS

In vivo 19F nuclear magnetic resonance brain studies of halothane, isoflurane, and desflurane. Rapid elimination and no abundant saturable binding. Litt L, et al. **Ann N Y Acad Sci** 1991;625:707–24 (33 ref.)

PHARMACOLOGY

A comparison of cerebral blood flow reactivity to CO2 during halothane versus isoflurane anesthesia for carotid endarterectomy. Young WL, et al. **Anesth Analg** 1991 Oct; 73(4):416–21 (33 ref.)

ISOHEMAGGLUTININS see **HEMAGGLUTININS**

ISOHEPTANES see **HEPTANES**

ISOHEXANES see **HEXANES**

ISOIMMUNIZATION, RHESUS see **RH ISOIMMUNIZATION**

ISOLATION, PATIENT see **PATIENT ISOLATION**

ISOLATION PERFUSION THERAPY see **PERFUSION, REGIONAL**

ISOLATION, SOCIAL see **SOCIAL ISOLATION**

3-ISOLEUCINE,8-LEUCINE VASOPRESSIN see **OXYTOCIN**

ISOLEUCYL, LEUCYL VASOPRESSIN see **OXYTOCIN**

ISOMERASES

PHYSIOLOGY

Chemistry and biology of the immunophilins and their immunosuppressive ligands. Schreiber SL. **Science** 1991 Jan 18;251(4991):283–7 (57 ref.)

ISOMERISM

Chirality and its importance in drug development: what are the issues? Beckett AH. **Biochem Soc Trans** 1991 Apr; 19(2):443–6 (4 ref.)
Chirality and its importance in drug development: an analytical chemist's perspective. Fell AF, et al. **Biochem Soc Trans** 1991 Apr;19(2):454–6 (19 ref.)
Chirality and its importance in drug development: a synthetic chemist's perspective. Roberts SM. **Biochem Soc Trans** 1991 Apr;19(2):446–53 (26 ref.)

ISOMETRIC CONTRACTION

PHYSIOLOGY

Isometric features of orthostatic tremor: an electromyographic analysis. Walker FO, et al. **Muscle Nerve** 1990 Oct;13(10):918–22 (12 ref.)
Normative database for trunk range of motion, strength, velocity, and endurance with the Isostation B-200 Lumbar Dynamometer. Gomez T, et al. **Spine** 1991 Jan;16(1):15–21 (49 ref.)

ISOMETRIC EXERCISE see **EXERCISE**

ISONIAZID

ADMINISTRATION & DOSAGE

[Pharmacokinetic aspects of tuberculosis therapy with a fixed combination of rifampicin, isoniazide and pyrazinamide] Schaberg T, et al. **Z Gesamte Inn Med** 1991 Jun;46(8):276–9 (17 ref.) (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Pyridoxal isonicotinoyl hydrazone. Effective iron chelation after oral administration. Brittenham GM. **Ann N Y Acad Sci** 1990;612:315–26 (49 ref.)

ISONICOTINIC ACID HYDRAZIDE see **ISONIAZID**

ISOOCTANES see **OCTANES**

ISOPENTANES see **PENTANES**

ISOPRENALINE see **ISOPROTERENOL**

ISOPRENOID PHOSPHATES see **POLYISOPRENYL PHOSPHATES**

ISOPROPANOL see **ALCOHOL, PROPYL**

ISOPROPYL ALCOHOL see **ALCOHOL, PROPYL**

ISOPROPYLARTERENOL see **ISOPROTERENOL**

ISOPROTERENOL

PHARMACOLOGY

Transmural steal with isoproterenol and exercise in poststenotic myocardium. Gallagher KP. **Basic Res Cardiol** 1990;85 Suppl 1:145–55 (36 ref.)

THERAPEUTIC USE

Isoproterenol infusion in the management of respiratory failure in children with status asthmaticus: experience in a small community hospital and review of the literature. Victoria MS, et al. **J Asthma** 1991;28(2):103–8 (16 ref.)

ISOQUINOLINES

CHEMISTRY

Beta-phenylethylamines and the isoquinoline alkaloids. Bentley KW. **Nat Prod Rep** 1990 Jun;7(3):245–68 (487 ref.)

PHARMACOLOGY

Renal protective effects of angiotensin converting enzyme inhibitors. Weder AB. **Am J Hypertens** 1990 Nov; 3(11):273S–277S (29 ref.)
Quinapril. A review of its pharmacological properties, and therapeutic efficacy in cardiovascular disorders. Wadworth AN, et al. **Drugs** 1991 Mar;41(3):378–99 (77 ref.)
New pharmacological strategies in vascular diseases: a novel intracellular calcium antagonist, HA1077 (AT-877) and cerebral vasospasm. Asano T, et al. **Methods Find Exp Clin Pharmacol** 1990 Jul-Aug; 12(6):443–8 (11 ref.)
[Trend in the development of new inhibitors of cyclic nucleotide metabolism and their clinical application] Hidaka H, et al. **Nippon Rinsho** 1991 Apr;49(4):961–7 (13 ref.) **(Jpn)**

THERAPEUTIC USE

Quinapril in chronic heart failure. Northridge DB, et al. **Am J Hypertens** 1990 Nov;3(11):283S–287S (35 ref.)
Use of quinapril in the elderly patient. Schnaper HW. **Am J Hypertens** 1990 Nov;3(11):278S–282S (11 ref.)
Quinapril: a new second-generation ACE inhibitor. Cetnarowski-Cropp AB. **DICP** 1991 May;25(5):499–504 (49 ref.)

ISOSORBIDE DINITRATE

ANALOGS & DERIVATIVES

Chronopharmacokinetics and chronopharmacodynamics of cardiovascular active drugs. Propranolol, organic nitrates, nifedipine. Lemmer B, et al. **Ann N Y Acad Sci** 1991; 618:166–81 (40 ref.)

PHARMACOKINETICS

Chronopharmacokinetics and chronopharmacodynamics of cardiovascular active drugs. Propranolol, organic nitrates, nifedipine. Lemmer B, et al. **Ann N Y Acad Sci** 1991; 618:166–81 (40 ref.)

THERAPEUTIC USE

A practical guide to nitrate use. Anderson KA. **Postgrad Med** 1991 Jan;89(1):67–70, 75–6, 78 (0 ref.)

ISOSPORA

ISOLATION & PURIFICATION

Isospora belli infections. Pape JW, et al. **Prog Clin Parasitol** 1991;2:119–27 (42 ref.)

ISOSPORA INFECTIONS see **COCCIDIOSIS**

ISOTACHOPHORESIS see **ELECTROPHORESIS**

ISOTOPE LABELING

Stable isotope-labeled vitamin D, metabolites and chemical analogs: synthesis and use in mass spectrometric studies. Coldwell RD, et al. **Steroids** 1990 Oct;55(10):418–32 (51 ref.)
Synthetic procedures for the preparation of deuterium-labeled analogs of naturally occurring steroids. Wudy SA. **Steroids** 1990 Oct;55(10):463–71 (41 ref.)
Synthesis of 13C-labeled steroid hormones. Zomer G, et al. **Steroids** 1990 Oct;55(10):440–2 (10 ref.)

METHODS

Chelates and antibodies: current methods and new directions. Gansow OA, et al. **Cancer Treat Res** 1990;51:153–71 (45 ref.)
Labeling of anti-tumor antibodies and antibody fragments with Tc-99m. Hansen HJ, et al. **Cancer Treat Res** 1990; 51:233–44 (39 ref.)
Radiolabeling antibodies via the cyclic anhydride of DTPA--experiences of 5 years. Hnatowich DJ. **Cancer Treat Res** 1990;51:173–81 (43 ref.)
Optimization of biodistribution by introducing different chemical linkages between antibody and an indium-111 chelate. Quadri SM, et al. **Cancer Treat Res** 1990;51:201–13 (43 ref.)
Bifunctional chelating agents for radiometal-labeled monoclonal antibodies. Subramanian R, et al. **Cancer Treat Res** 1990;51:183–99 (50 ref.)
Novel bifunctional linkers for antibody chelation with radiometals. Wu RS. **Cancer Treat Res** 1990;51:215–32 (60 ref.)
Direct labeling with 99mTc. Eckelman WC, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):3–7 (36 ref.)
Technical challenges associated with the radiolabeling of monoclonal antibodies utilizing short-lived, positron emitting radionuclides. Finn R, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):9–13 (31 ref.)
Newer approaches to the radiolabeling of monoclonal antibodies by use of metal chelates. Gansow OA. **Int J Rad Appl Instrum [B]** 1991;18(4):369–81 (45 ref.)
Developments in techniques for radioiodination of peptide hormones and other proteins. Karonen SL. **Scand J Clin Lab Invest Suppl** 1990;201:135–8 (22 ref.)

ISOTOPES

Stable isotope tracers for studies of glucose metabolism. Kalhan SC. **J Lab Clin Med** 1990 Nov;116(5):615–22 (37 ref.)

ISOTRETINOIN

THERAPEUTIC USE

Use of isotretinoin in the college health service setting. Bercovitch L. **J Am Coll Health** 1990 Sep;39(2):83–6 (10 ref.)

TOXICITY

Hepatic toxicity of vitamin A and synthetic retinoids. Fallon MB, et al. **J Gastroenterol Hepatol** 1990 May-Jun; 5(3):334–42 (53 ref.)

ISOXAZOLES

THERAPEUTIC USE

Leflunomide (HWA 486), a novel immunomodulating compound for the treatment of autoimmune disorders and reactions leading to transplantation rejection. Bartlett RR, et al. **Agents Actions** 1991 Jan;32(1-2):10–21 (44 ref.)

ISOZYMES see **ISOENZYMES**

ITAI-ITAI see **CADMIUM POISONING**

ITCHING see PRURITUS

ITO SYNDROME see PIGMENTATION DISORDERS

IUDR see IDOXURIDINE

IUGR see FETAL GROWTH RETARDATION

IVERMECTIN

ANALOGS & DERIVATIVES

Avermectins, a novel class of compounds: implications for use in arthropod pest control. Lasota JA, et al. **Annu Rev Entomol** 1991;36:91–117 (133 ref.)

PHARMACOLOGY

Anthelmintic resistance in nematodes: extent, recent understanding and future directions for control and research. Prichard RK. **Int J Parasitol** 1990 Jul; 20(4):515–23 (90 ref.)

THERAPEUTIC USE

The conquest of 'river blindness'. Gilles HM, et al. **Ann Trop Med Parasitol** 1991 Feb;85(1):97–101 (22 ref.)

JACKKNIFE SEIZURES see SPASMS, INFANTILE

JAKOB-CREUTZFELDT SYNDROME see CREUTZFELDT-JAKOB SYNDROME

JAMESTOWN CANYON VIRUS see CALIFORNIA GROUP VIRUSES

JANSKY-BIELSCHOWSKY DISEASE see NEURONAL CEROID-LIPOFUSCINOSIS

JAPANESE AMERICANS see ASIAN AMERICANS

JAPANESE QUAIL see COTURNIX

JAUNDICE

CHEMICALLY INDUCED

Augmentin-induced jaundice. Wong FS, et al. **Med J Aust** 1991 May 20;154(10):698–701 (11 ref.)

DIAGNOSIS

[Jaundice—the current successes in its diagnosis and treatment] Kolarski V. **Vutr Boles** 1991;30(2):20–8 (26 ref.) **(Bul)**

ETIOLOGY

Jaundice and cholestasis. Some common and uncommon causes. Gordon SC. **Postgrad Med** 1991 Sep 15;90(4):65–71 (10 ref.)

[Primary sclerosing cholangitis mimicking bile duct carcinoma at porta hepatis. A case report and review of Japanese literature with special reference to the feature of associated jaundice] Kaneda K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Jul;87(7):1568–72 (17 ref.) **(Jpn)**

[An autopsy case of an elderly man with jaundice due to the necrosis and loss of intrahepatic interlobular bile ducts] Wada H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Mar; 88(3):758–62 (15 ref.) **(Jpn)**

JAUNDICE, CHOLESTATIC see CHOLESTASIS

JAUNDICE, CHOLESTATIC, EXTRAHEPATIC see BILE DUCT OBSTRUCTION, EXTRAHEPATIC

JAUNDICE, CHOLESTATIC, INTRAHEPATIC see CHOLESTASIS, INTRAHEPATIC

JAUNDICE, HEMOLYTIC see ANEMIA, HEMOLYTIC

JAUNDICE, MECHANICAL see CHOLESTASIS

JAUNDICE, NEONATAL

DRUG THERAPY

[Pharmacologic treatment of neonatal jaundice] Gabilan JC. **Arch Fr Pediatr** 1991 Mar;48(3):223–5 (24 ref.) **(Fre)**

RADIONUCLIDE IMAGING

Augmented cholescintigraphy: its role in detecting acute and chronic disorders of the hepatobiliary tree. Fink-Bennett D. **Semin Nucl Med** 1991 Apr;21(2):128–39 (58 ref.)

THERAPY

[Phototherapy of newborn infants] Knudsen A, et al. **Ugeskr Laeger** 1991 Apr 8;153(15):1044–6 (30 ref.) (Eng. Abstr.) **(Dan)**

JAUNDICE, OBSTRUCTIVE see CHOLESTASIS

JAUNDICE, OBSTRUCTIVE, EXTRAHEPATIC see BILE DUCT OBSTRUCTION, EXTRAHEPATIC

JAUNDICE, OBSTRUCTIVE, INTRAHEPATIC see CHOLESTASIS, INTRAHEPATIC

JAUNDICE, SPIROCHETAL see WEIL'S DISEASE

JAW

see related
DENTAL ARCH
TEMPOROMANDIBULAR JOINT

IMMUNOLOGY

[The immune system in the tooth–maxillodental segment area] Robustova TG, et al. **Stomatologiia (Mosk)** 1990 Jul–Aug;(4):88–91 (40 ref.) **(Rus)**

PATHOLOGY

Regional macrodontia and regional bony enlargement associated with congenital infiltrating lipomatosis of the face presenting as unilateral facial hyperplasia. Brief review and case report. MacMillan AR, et al. **Int J Oral Maxillofac Surg** 1990 Oct;19(5):283–6 (15 ref.)

PHYSIOLOGY

Bone growth around dental implants. Weinlaender M. **Dent Clin North Am** 1991 Jul;35(3):585–601 (48 ref.)

RADIOGRAPHY

[Early calcipenic osteopathy in the panoramic x-ray image of the maxillary and mandibular alveolar process of young adult alcoholics] Szántó D, et al. **Orv Hetil** 1990 Oct 21; 131(42):2313–6 (30 ref.) (Eng. Abstr.) **(Hun)**

SURGERY

Impact of orthognathic surgery on normal and abnormal personality dimensions: a 2-year follow-up study of 61 patients. Flanary CM, et al. **Am J Orthod Dentofacial Orthop** 1990 Oct;98(4):313–22 (58 ref.)

Biotechnical and other factors affecting orthognathic surgery. Isaacson RJ, et al. **Int J Technol Assess Health Care** 1990;6(4):516–27 (10 ref.)

"State-of-the-art of cranio-maxillo-facial surgery at the end of the 10th European Congress for Cranio-Maxillo-Facial Surgery". Cesteleyn LM, et al. **J Craniomaxillofac Surg** 1990 Nov;18(8):329–31 (0 ref.)

Facial nerve injuries associated with orthognathic surgery: a review of incidence and management. Jones JK, et al. **J Oral Maxillofac Surg** 1991 Jul;49(7):740–4 (18 ref.)

Management of the oral and maxillofacial surgery patient on anabolic steroids. Smith BK, et al. **J Oral Maxillofac Surg** 1991 Jun;49(6):627–32 (24 ref.)

JAW ABNORMALITIES

EPIDEMIOLOGY

The problem of the bifid mandibular condyle. Szentpétery A, et al. **J Oral Maxillofac Surg** 1990 Dec;48(12):1254–7 (17 ref.)

JAW CYSTS

Cysts of the jaws: a review. Lovas JG. **J Can Dent Assoc** 1991 Mar;57(3):209–12 (13 ref.)

ETIOLOGY

Surgical ciliated (postoperative maxillary) cysts following mid-face osteotomies. Sugar AW, et al. **Br J Oral Maxillofac Surg** 1990 Aug;28(4):264–7 (20 ref.)

PATHOLOGY

Anterior lingual mandibular salivary gland defect. Evaluation of twenty-four cases. Buchner A, et al. **Oral Surg Oral Med Oral Pathol** 1991 Feb;71(2):131–6 (34 ref.)

RADIOGRAPHY

[Essential bone cavity] Legrand W, et al. **Acta Stomatol Belg** 1990 Jun;87(2):125–31 (33 ref.) **(Fre)**

[Differential diagnosis of lytic lesions of the jaw] Dannenmaier B, et al. **Aktuelle Radiol** 1991 Mar;1(2):51–7 (34 ref.) (Eng. Abstr.) **(Ger)**

JAW DISEASES

PATHOLOGY

The central (intraosseous) calcifying odontogenic cyst: an analysis of 215 cases. Buchner A. **J Oral Maxillofac Surg** 1991 Apr;49(4):330–9 (78 ref.)

Hyaline ring granuloma: a distinct oral entity. Chou L, et al. **Oral Surg Oral Med Oral Pathol** 1990 Sep;70(3):318–24 (22 ref.)

THERAPY

A dentist's dilemma: nonsurgical endodontic therapy or periapical surgery for teeth with apparent pulpal pathosis and an associated periapical radiolucent lesion. Morse DR, et al. **Oral Surg Oral Med Oral Pathol** 1990 Sep; 70(3):333–40 (48 ref.)

JAW, EDENTULOUS

COMPLICATIONS

Alveolar ridge resorption and mandibular atrophy. A review of the role of local and systemic factors. Devlin H, et al. **Br Dent J** 1991 Feb 9;170(3):101–4 (38 ref.)

PATHOLOGY

Reconstructive preprosthetic surgery. I. Anatomical considerations. Cawood JI, et al. **Int J Oral Maxillofac Surg** 1991 Apr;20(2):75–82 (10 ref.)

SURGERY

Preventive implantations. Denissen HW, et al. **Int Dent J** 1991 Feb;41(1):17–24 (12 ref.)

JAW, EDENTULOUS, PARTIALLY

COMPLICATIONS

Practical management of internal derangements of the temporomandibular joint in partially and completely edentulous patients. Robson FC. **J Prosthet Dent** 1991 Jun; 65(6):828–32 (29 ref.)

JAW NEOPLASMS

EPIDEMIOLOGY

Odontogenic tumours. A series of 409 cases. Günhan O, et al. **Aust Dent J** 1990 Dec;35(6):518–22 (19 ref.)

Adenomatoid odontogenic tumour (adenoameloblastoma)—a review. Awange DO. **East Afr Med J** 1991 Mar; 68(3):155–63 (23 ref.)

PATHOLOGY

The central (intraosseous) calcifying odontogenic cyst: an analysis of 215 cases. Buchner A. **J Oral Maxillofac Surg** 1991 Apr;49(4):330–9 (78 ref.)

RADIOGRAPHY

[X-ray diagnosis of osteogenic sarcoma of the jaw] Zhang G, et al. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1990 Mar;25(2):120–2 (15 ref.) **(Chi)**

JAW RELATION RECORD

Occlusion for the Class III jaw relations patient. Jensen WO. **J Prosthet Dent** 1990 Nov;64(5):566–8 (4 ref.)

JC VIRUS

PATHOGENICITY

Implications of progressive multifocal leukoencephalopathy and JC virus for the etiology of MS. Stoner GL. **Acta Neurol Scand** 1991 Jan;83(1):20–33 (106 ref.)

JEALOUSY

Jealousy: the pathology of passion. Mullen PE. **Br J Psychiatry** 1991 May;158:593–601 (36 ref.)

Morbid jealousy: a review and cognitive-behavioural formulation. Tarrier N, et al. **Br J Psychiatry** 1990 Sep; 157:319–26 (48 ref.)

JEHOVAH'S WITNESSES see CHRISTIANITY

JEJUNAL DISEASES

ETIOLOGY

Jejunal-rectal fistula as a complication of postoperative radiotherapy. Albu E, et al. **Am Surg** 1990 Nov; 56(11):697–9 (8 ref.)

Enteric fistula formation secondary to necrotizing enterocolitis. Levin TL, et al. **Pediatr Radiol** 1991; 21(4):309–11 (7 ref.)

[Peutz-Jeghers syndrome. Description of a case and literature review] Mendes da Costa P, et al. **Acta Gastroenterol Belg** 1990 Mar–Apr;53(2):180–7 (44 ref.) (Eng. Abstr.) **(Fre)**

[Case of primary aorto-jejunal fistula caused by gram-positive cocci] Tsukamoto Y, et al. **Nippon Geka Gakkai Zasshi** 1991 Jun;92(6):750–2 (9 ref.) (Eng. Abstr.) **(Jpn)**

[A double aorto-enteric fistula secondary to an aortic pseudoaneurysm. Its anatomical correction] de Frutos Rincón JL, et al. **Angiologia** 1991 Mar–Apr;43(2):65–8 (25 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

[Primary ulcer of the small intestine. The value of peroperative endoscopy] Gustot P, et al. **Acta Gastroenterol Belg** 1990 Jul–Aug;53(4):391–6 (34 ref.)

(Eng. Abstr.) (Fre)

JEJUNAL NEOPLASMS

[The heterotopic pancreas in children. Apropos of 4 new cases] Anagnostopoulos D, et al. **Chir Pediatr** 1990; 31(3):164–6 (32 ref.) (Eng. Abstr.) (Fre)

[A case report of multiple lipomas of the alimentary tract and gall bladder combined with early gastric cancer] Tokoro Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Feb;88(2):175–9 (20 ref.) (Jpn)

DIAGNOSIS

[A case of leiomyosarcoma of the small intestine. Clinical and anatomopathologic considerations] Fornaro R, et al. **Minerva Chir** 1990 Sep 15;45(17):1107–15 (33 ref.) (Eng. Abstr.) (Ita)

PATHOLOGY

Jejunal carcinoma with adenoma—report of a case and review of the Japanese literature. Miyoshi Y, et al. **Jpn J Surg** 1990 Nov;20(6):711–4 (9 ref.)

[Leiomyoblastoma of the jejunum, report of a case] Iwata F, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Sep; 87(9):1883–7 (15 ref.) (Jpn)

SECONDARY

An autopsy case of malignant fibrous histiocytoma of the mediastinum, presenting multiple metastases to the small intestine and to the brain—a rare case report with a review of the literature. Misonou J, et al. **Gastroenterol Jpn** 1990 Dec;25(6):746–52 (17 ref.)

JEJUNOILEAL BYPASS

METHODS

[Surgical treatment of hyperlipoproteinemia] Kurguzov OP, et al. **Khirurgiia (Mosk)** 1991 Jan;(1):125–30 (74 ref.) (Rus)

JEJUNUM

PATHOLOGY

Jejunal carcinoma with adenoma—report of a case and review of the Japanese literature. Miyoshi Y, et al. **Jpn J Surg** 1990 Nov;20(6):711–4 (9 ref.)

SURGERY

[The use of an isolated jejunum segment in gastric surgery] Rozsos I. **Orv Hetil** 1991 Jan 6;132(1):23–7 (51 ref.) (Eng. Abstr.) (Hun)

JERNE'S PLAQUE TECHNIQUE see **HEMOLYTIC PLAQUE TECHNIQUE**

JERVELL-LANGE NIELSEN SYNDROME see **LONG QT SYNDROME**

JEWS

GENETICS

Ulcerative colitis in Israel: epidemiology, morbidity, and genetics. Odes HS, et al. **Public Health Rev** 1989–90; 17(4):297–319 (56 ref.)

Epidemiological data of Crohn's disease in Israel: etiological implications. Odes HS, et al. **Public Health Rev** 1989–90; 17(4):321–35 (48 ref.)

PSYCHOLOGY

Trauma and nostalgia: new aspects on the coping of aging Holocaust survivors. Hertz DG. **Isr J Psychiatry Relat Sci** 1990;27(4):189–98 (26 ref.)

JIRD see **GERBILLINAE**

JOB DESCRIPTION

Ethical responsibilities in nursing: research findings and issues. Cassidy VR. **J Prof Nurs** 1991 Mar–Apr;7(2):112–8 (31 ref.)

JOB SATISFACTION

Workload and job satisfaction among general practitioners: a review of the literature. Groenewegen PP, et al. **Soc Sci Med** 1991;32(10):1111–9 (49 ref.)

JOB'S SYNDROME

IMMUNOLOGY

[Hyperimmunoglobulinemia E (Job) syndrome] Kriván G, et al. **Orv Hetil** 1991 Feb 17;132(7):369–72 (23 ref.) (Eng. Abstr.) (Hun)

JOGGING

Vegetarianism, fish eating and jogging. Burr ML. **J R Soc Health** 1990 Aug;110(4):144–5 (15 ref.)

JOINT COMMISSION ON ACCREDITATION OF HEALTHCARE ORGANIZATIONS

Measuring the quality of care for the cancer patient. Marder RJ. **Cancer** 1991 Mar 15;67(6 Suppl):1753–8 (22 ref.)

JOINT COMMISSION ON ACCREDITATION OF HOSPITALS see **JOINT COMMISSION ON ACCREDITATION OF HEALTHCARE ORGANIZATIONS**

JOINT DISEASES

A clinical perspective on common forms of acquired heterotopic ossification. Garland DE. **Clin Orthop** 1991 Feb;(263):13–29 (117 ref.)

A wider spectrum of spondyloarthropathies. Khan MA, et al. **Semin Arthritis Rheum** 1990 Oct;20(2):107–13 (59 ref.)

BLOOD

Cardiac, ocular, and renal manifestations of seronegative spondyloarthropathies. Youssef W, et al. **Curr Opin Rheumatol** 1990 Aug;2(4):582–5 (5 ref.)

CHEMICALLY INDUCED

Penicillamine-induced arthropathy in Wilson's disease. Walshe JM, et al. **Proc R Soc Med** 1977;70 Suppl 3:4–6 (5 ref.)

[Cartilage-damaging effect of quinolones] Stahlmann R. **Infection** 1991;19 Suppl 1:S38–46 (30 ref.) (Eng. Abstr.) (Ger)

CLASSIFICATION

Classification of distal radioulnar joint disorders. Nathan R, et al. **Hand Clin** 1991 May;7(2):239–47 (102 ref.)

COMPLICATIONS

The inter-relationship of facet joint osteoarthritis and degenerative disc disease. Oegema TR Jr, et al. **Br J Rheumatol** 1991;30 Suppl 1:16–20 (17 ref.)

DIAGNOSIS

Magnetic resonance knee arthrography. Enhanced contrast by gadolinium complex in the rabbit and in humans. Engel A. **Acta Orthop Scand Suppl** 1990;240:1–57 (80 ref.)

Imaging of joint and soft-tissue disorders. Reiser MF. **Curr Opin Radiol** 1990 Oct;2(5):684–90 (22 ref.)

Primary chest wall tumor appearing as frozen shoulder. Review and case presentations. Demazière A, et al. **J Rheumatol** 1991 Jun;18(6):911–4 (7 ref.)

[Magnetic resonance imaging of the osteoarticular and muscular system] Ginalski JM, et al. **Rev Med Suisse Romande** 1991 Apr;111(4):323–30 (45 ref.) (Fre)

[Arthroscopy of the upper ankle joint] Ehrchen K. **Aktuel Probl Chir Orthop** 1991;40:85–90 (20 ref.) (Ger)

[Diagnostic shoulder arthroscopy] Gächter A. **Aktuel Probl Chir Orthop** 1991;40:9–17 (9 ref.) (Ger)

[Arthroscopy of the elbow joint] Hempfling H. **Aktuel Probl Chir Orthop** 1991;40:24–30 (11 ref.) (Ger)

[Arthroscopy of the wrist joint] Hempfling H. **Aktuel Probl Chir Orthop** 1991;40:31–4 (15 ref.) (Ger)

[Knee arthroscopy: special diagnosis and surgical techniques] Imhoff A. **Aktuel Probl Chir Orthop** 1991;40:44–63 (44 ref.) (Ger)

[Magnetic resonance tomography in the diagnosis of peripheral joints] Mundinger A, et al. **Schweiz Med Wochenschr** 1991 Apr 13;121(15):517–27 (61 ref.) (Eng. Abstr.) (Ger)

[Bone and joint involvement in systemic amyloidosis] Nakazawa R. **Nippon Rinsho** 1991 Apr;49(4):886–91 (20 ref.) (Jpn)

DRUG THERAPY

Efficacy of vitamin E as a drug in inflammatory joint diseases. Schmidt KH, et al. **Adv Exp Med Biol** 1990;264:147–50 (2 ref.)

[First experience in Hungary with the use of a garamycin sponge in the treatment of suppurative bone and joint wounds] Boda A, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1991; 34(2):133–40 (20 ref.) (Eng. Abstr.) (Hun)

EPIDEMIOLOGY

Epidemiology in bone and joint infection. Gillespie WJ. **Infect Dis Clin North Am** 1990 Sep;4(3):361–76 (61 ref.)

ETIOLOGY

Upper-extremity musculoskeletal disorders of occupational origin. Gerr F, et al. **Annu Rev Public Health** 1991; 12:543–66 (91 ref.)

Shoulder impingement syndrome. A critical review. Fu FH, et al. **Clin Orthop** 1991 Aug;(269):162–73 (37 ref.)

Salmonella enteritidis causing joint sepsis. Kyle V, et al. **Clin Rheumatol** 1990 Sep;9(3):411–3 (7 ref.)

[Symptoms and injuries of the locomotor system in dancers] Kap A, et al. **Ned Tijdschr Geneeskd** 1990 Sep 15; 134(37):1782–6 (23 ref.) (Dut)

[Osteoarticular amyloidosis in hemodialyzed patients. Report of 4 cases] Moalla M, et al. **J Radiol** 1990 Aug–Sep; 71(8–9):467–72 (24 ref.) (Eng. Abstr.) (Fre)

[Hyperlipidemia and osteoarticular manifestations] Goupille P, et al. **Rev Med Interne** 1991 Mar–Apr;12(2):146–52 (68 ref.) (Eng. Abstr.) (Fre)

[Sports and arthrosis] Gremion G, et al. **Schweiz Z Sportmed** 1990 Nov;38(3):143–9 (17 ref.) (Eng. Abstr.) (Fre)

IMMUNOLOGY

Proteoglycan-specific autoreactive antibodies and T-lymphocytes in experimental arthritis and human rheumatoid joint diseases. Glant TT, et al. **Biochem Soc Trans** 1990 Oct;18(5):796–9 (40 ref.)

Immunology, genetics, and animal models of the spondyloarthropathies. Taurog JD. **Curr Opin Rheumatol** 1990 Aug;2(4):586–91 (12 ref.)

Immunological aspects of markers of joint disease. Caterson B. **J Rheumatol Suppl** 1991 Feb;27:19–23 (20 ref.)

METABOLISM

Oxidants, joint inflammation and anti-inflammatory strategies. Dowling EJ, et al. **Adv Exp Med Biol** 1990; 264:463–74 (77 ref.)

Oestrogens, joint disease, and cartilage. Chander CL, et al. **Ann Rheum Dis** 1991 Mar;50(3):139–40 (23 ref.)

Molecular markers of processes in cartilage in joint disease. Heinegård D, et al. **Br J Rheumatol** 1991;30 Suppl 1:21–4 (14 ref.)

Macromolecular markers in joint disease. Heinegård D, et al. **J Rheumatol Suppl** 1991 Feb;27:27–9 (16 ref.)

Proteoglycans of articular cartilage: changes in aging and in joint disease. Hardingham T, et al. **Semin Arthritis Rheum** 1990 Dec;20(3 Suppl 1):12–33 (47 ref.)

[Micro-crystalline arthropathies: what is new?] Gerster JC, et al. **Rev Med Suisse Romande** 1990 Oct;110(10):851–7 (16 ref.) (Fre)

PHYSIOPATHOLOGY

The cartilage collagens and joint degeneration. Eyre DR, et al. **Br J Rheumatol** 1991;30 Suppl 1:10–5 (37 ref.)

Central neurophysiological processing of joint pain on the basis of studies performed in normal animals and in models of experimental arthritis. Guilbaud G. **Can J Physiol Pharmacol** 1991 May;69(5):637–46 (46 ref.)

RADIOGRAPHY

Plain-film diagnosis of joint disease. Dussault RG, et al. **Can Assoc Radiol J** 1991 Apr;42(2):87–97 (47 ref.)

Evaluation of joint disease in the adult hand and wrist. Buckwalter KA, et al. **Hand Clin** 1991 Feb;7(1):135–51 (48 ref.)

Evaluation of joint disease in the pediatric hand. Feinstein KA, et al. **Hand Clin** 1991 Feb;7(1):167–82 (20 ref.)

A systematic approach for radiographically evaluating joint disease in the foot. Christman RA. **J Am Podiatr Med Assoc** 1991 Apr;81(4):174–80 (4 ref.)

Calcium hydroxyapatite deposition disease. Hayes CW, et al. **Radiographics** 1990 Nov;10(6):1031–48 (28 ref.)

SURGERY

Arthroscopic management of disorders of the knee. Awbrey BJ, et al. **Curr Opin Rheumatol** 1991 Feb;3(1):88–97 (22 ref.)

Shoulder surgery. Friedman RJ. **Curr Opin Rheumatol** 1990 Feb;2(1):163–71 (33 ref.)

Elbow, wrist, and hand surgery. Meuli HC. **Curr Opin Rheumatol** 1990 Feb;2(1):172–5 (21 ref.)

Knee surgery. Scuderi GR, et al. **Curr Opin Rheumatol** 1990 Feb;2(1):160–2 (13 ref.)

The ulnar impaction syndrome. Friedman SL, et al. **Hand Clin** 1991 May;7(2):295–310 (29 ref.)

[Surgical possibilities in knee arthroscopy] Glinz W. **Aktuel Probl Chir Orthop** 1991;40:64–76 (30 ref.) (Ger)

[Surgical shoulder arthroscopy] Hempfling H, et al. **Aktuel Probl Chir Orthop** 1991;40:18–23 (9 ref.) (Ger)

[Arthroscopy—unusual aspects] Hempfling H. **Aktuel Probl Chir Orthop** 1991;40:91–110 (141 ref.) (Ger)

["Sound" surgical concepts and problematic indications in orthopedics] Mau H. **Z Orthop** 1991 Mar–Apr;129(2):141–5 (6 ref.) (Eng. Abstr.) (Ger)

THERAPY

Medical and surgical treatment of seronegative spondyloarthropathy. Khan MA. **Curr Opin Rheumatol** 1990 Aug;2(4):592–9 (32 ref.)

ULTRASONOGRAPHY

[Ultrasonic diagnosis of pathological changes of the knee] Csókási Z, et al. **Orv Hetil** 1991 Jun 30;132(26):1427–31 (24 ref.) (Eng. Abstr.) (Hun)

VETERINARY

Principles of magnetic resonance imaging and application to the stifle joint in dogs. Widmer WR, et al. **J Am Vet Med Assoc** 1991 Jun 1;198(11):1914–22 (43 ref.)
The principles and practice of bone scintigraphy in small animals. Lamb CR. **Semin Vet Med Surg (Small Anim)** 1991 May;6(2):140–53 (75 ref.)

JOINT INSTABILITY

CLASSIFICATION

Instability of the distal radioulnar articulation. Bowers WH. **Hand Clin** 1991 May;7(2):311–27 (17 ref.)

DIAGNOSIS

[Laxity in the metacarpophalangeal joint of the thumb] Gottlieb J, et al. **Nord Med** 1991;106(1):16–8 (15 ref.) (Eng. Abstr.) **(Dan)**
[Diagnosis and treatments of instability of the patellofemoral joint] Kobayashi A. **Nippon Seikeigeka Gakkai Zasshi** 1990 Oct;64(10):993–1015 (74 ref.) **(Jpn)**

ETIOLOGY

Lateral ankle instability associated with dislocation of the peroneal tendons treated by the Chrisman–Snook procedure. A case report and literature review. Sobel M, et al. **Am J Sports Med** 1990 Sep–Oct;18(5):539–43 (39 ref.)
Knee ligament injuries combined with ipsilateral tibial and femoral diaphyseal fractures: the "floating knee". van Raay JJ, et al. **Arch Orthop Trauma Surg** 1991;110(2):75–7 (17 ref.)
Instability of the anterior and posterior cruciate ligaments. Arnoczky SP, et al. **Instr Course Lect** 1991;40:199–270 (324 ref.)
[Lateral instability of the ankle joint (1). Non-surgical treatment is the first choice—20 per cent may need ligament surgery] Karlsson J, et al. **Lakartidningen** 1991 Apr 10; 88(15):1399–402 (34 ref.) (Eng. Abstr.) **(Swe)**

PHYSIOPATHOLOGY

Instability in spondylolisthesis. Friberg O. **Orthopedics** 1991 Apr;14(4):463–5 (23 ref.)
[The upper cervical spine. Symptomatology, clinical diagnosis and therapy of functional disorder] Baumgartner H. **Orthopade** 1991 Apr;20(2):127–32 (9 ref.) (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Radiologic evaluation of hand and wrist motion. Bond JR, et al. **Hand Clin** 1991 Feb;7(1):113–23 (23 ref.)
[Carpal instability and secondary degenerative changes in lesions of the radio-carpal ligaments with various etiology] Stäbler A, et al. **Handchir Mikrochir Plast Chir** 1990 Nov; 22(6):289–95 (29 ref.) (Eng. Abstr.) **(Ger)**
[Conventional diagnosis of carpal luxation and instability] Adolph J, et al. **Radiologe** 1990 Aug;30(8):353–9 (28 ref.) (Eng. Abstr.) **(Ger)**

REHABILITATION

Bracing for patellar instability. Cherf J, et al. **Clin Sports Med** 1990 Oct;9(4):813–21 (20 ref.)

SURGERY

Triple arthrodesis. DiStazio JJ. **Clin Podiatr Med Surg** 1991 Jul;8(3):693–9 (22 ref.)
Lateral ankle stabilization. Modified Lee and Chrisman–Snook. Saltrick KR. **Clin Podiatr Med Surg** 1991 Jul;8(3):579–600 (40 ref.)
Reconstruction for subtalar instability: a review. Schon LC, et al. **Foot Ankle** 1991 Apr;11(5):319–25 (11 ref.)
Tenodesis of the chronically unstable distal ulna. Breen TF, et al. **Hand Clin** 1991 May;7(2):355–63 (26 ref.)
Stabilization of the distal ulna. Webber JB, et al. **Hand Clin** 1991 May;7(2):345–53 (41 ref.)
The use of artificial ligaments in anterior cruciate ligament reconstruction. Guarda E, et al. **Ital J Orthop Traumatol** 1990 Sep;16(3):323–30 (36 ref.)

THERAPY

The current state of functional knee bracing research. A review of the literature. Cawley PW, et al. **Am J Sports Med** 1991 May–Jun;19(3):226–33 (44 ref.)
The elbow. Wilkins KE, et al. **Instr Course Lect** 1991;40:1–87 (348 ref.)
Aggressive rehabilitation protocol following anterior cruciate ligament reconstruction (bone–patella–bone). Barrett GR, et al. **J Miss State Med Assoc** 1991 Feb;32(2):45–8 (5 ref.)

JOINT PROSTHESIS

Prosthesis-related infection. Etiology, prophylaxis and diagnosis (a review). Wymenga AB, et al. **Acta Orthop Belg** 1990;56(2):463–75 (133 ref.)
Total joint arthroplasty: hip, knee, and shoulder. Vince KG. **Curr Opin Rheumatol** 1991 Feb;3(1):71–80 (46 ref.)
Infection in total joint replacement. Gillespie WJ. **Infect Dis Clin North Am** 1990 Sep;4(3):465–84 (119 ref.)
The elbow. Wilkins KE, et al. **Instr Course Lect** 1991;40:1–87 (348 ref.)
Postoperative proximal migration in total shoulder arthroplasty. Incidence and significance. Boyd AD Jr, et al. **J Arthroplasty** 1991 Mar;6(1):31–7 (39 ref.)
Factors influencing the results of implant surgery in the rheumatoid hand. Nalebuff EA. **J Hand Surg [Br]** 1990 Nov;15(4):395–403 (0 ref.)
Infection in orthopaedic implants. Sanderson PJ. **J Hosp Infect** 1991 Jun;18 Suppl A:367–75 (20 ref.)
Diagnosing prosthetic joint infection [editorial; comment] Alazraki NP. **J Nucl Med** 1990 Dec;31(12):1955–7 (10 ref.) Comment on: J Nucl Med 1990 Dec;31(12):1950–5.
Diagnosis and management of the infected total joint arthroplasty. Cuckler JM, et al. **Orthop Clin North Am** 1991 Jul;22(3):523–30 (37 ref.)
Antibiotic prophylaxis in orthopaedic surgery. Court-Brown CM. **Scand J Infect Dis Suppl** 1990;70:74–9 (27 ref.)
[Heterotopic ossifications from the trauma surgery viewpoint] Rieger H, et al. **Unfallchirurg** 1991 Mar; 94(3):144–52 (86 ref.) (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Prosthetic joint infections. A role for prophylaxis. Blackburn WD Jr, et al. **Arthritis Rheum** 1991 Jan;34(1):110–7 (51 ref.)
Salvage of prosthetic grafts and joints in the lower extremity. Budny PJ, et al. **Clin Plast Surg** 1991 Jul;18(3):583–91 (51 ref.)
Antibiotic prophylaxis for dental patients with joint prostheses? A decision analysis. Jacobson JJ, et al. **Int J Technol Assess Health Care** 1990;6(4):569–87 (60 ref.)
Antimicrobial prophylaxis for arthroplasty and total joint replacement: discussion and review of published clinical trials. Heath AF. **Pharmacotherapy** 1991;11(2):157–63 (33 ref.)

CONTRAINDICATIONS

Alternatives to hip, knee, and ankle total joint arthroplasty. Cuckler JM, et al. **Curr Opin Rheumatol** 1991 Feb;3(1):81–7 (29 ref.)

JOINT TUBERCULOSIS see **TUBERCULOSIS, OSTEOARTICULAR**

JOINTS

ANATOMY & HISTOLOGY

Anatomy of the pelvic joints—a review. Dietrichs E. **Scand J Rheumatol Suppl** 1991;88:4–6 (7 ref.)

BLOOD SUPPLY

Iron free radicals and arthritis. Blake DR, et al. **Proc Nutr Soc** 1990 Jul;49(2):239–45 (38 ref.)

INJURIES

Post-traumatic osteoarthritis—a medico-legal minefield. Wright V. **Br J Rheumatol** 1990 Dec;29(6):474–8 (33 ref.)
Penetrating orthopedic injuries. McAndrew MP, et al. **Surg Clin North Am** 1991 Apr;71(2):297–303 (27 ref.)
[Functional therapy in treatment of fractures and joint injuries] Tscherne H, et al. **Zentralbl Chir** 1990; 115(16):997–1005 (11 ref.) (Eng. Abstr.) **(Ger)**

INNERVATION

A recruitment theory of force–time relations in the production of brief force pulses: the parallel force unit model. Ulrich R, et al. **Psychol Rev** 1991 Apr;98(2):268–94 (95 ref.)

PATHOLOGY

Antigen presentation in joints in the pathogenesis of arthritis. Klareskog L. **Br J Rheumatol** 1991;30 Suppl 1:53–7 (40 ref.)
[Magnetic resonance tomography in the diagnosis of peripheral joints] Mundinger A, et al. **Schweiz Med Wochenschr** 1991 Apr 13;121(15):517–27 (61 ref.) (Eng. Abstr.) **(Ger)**
[Arthrosis can be caused by growth of the articular head] Hulth A. **Lakartidningen** 1991 May 1;88(18):1696–9 (33 ref.) **(Swe)**

PHYSIOLOGY

Elements of a general theory of joints. 4. Coupled joints as simple gear systems. Kubein-Meesenburg D, et al. **Anat Anz** 1991;172(5):309–21 (20 ref.)
The role of the hormone relaxin in human reproduction and pelvic girdle relaxation. MacLennan AH. **Scand J Rheumatol Suppl** 1991;88:7–15 (16 ref.)

SURGERY

Prevention of venous thrombosis in patients undergoing major orthopaedic surgical procedures. Hirsh J. **Acta Chir Scand Suppl** 1990;556:30–5 (40 ref.)
The surgery of juvenile chronic arthritis. An overview. Swann M. **Clin Orthop** 1990 Oct;(259):70–5 (13 ref.)
[Arthroscopy—unusual aspects] Hempfling H. **Aktuel Probl Chir Orthop** 1991;40:91–110 (141 ref.) **(Ger)**

JUDAISM

see related
JEWS

JUDGMENT

Critical thinking and nursing education: perplexities and insights. Kintgen-Andrews J. **J Nurs Educ** 1991 Apr; 30(4):152–7 (34 ref.)
Clinical judgment analysis. Kirwan JR, et al. **Q J Med** 1990 Sep;76(281):935–49 (46 ref.)

JUDO see **MARTIAL ARTS**

JUGAL BONE see **ZYGOMA**

JUGULAR VEINS

[Diaphragmatic paralysis after puncture of the internal jugular vein] Armengaud MH, et al. **Ann Fr Anesth Reanim** 1991;10(1):77–80 (12 ref.) (Eng. Abstr.) **(Fre)**
[Diagnostic importance of the jugular veins] Baumgartner I, et al. **Vasa** 1991;20(1):3–9 (44 ref.) (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

The carotid space of the infrahyoid neck. Fruin ME, et al. **Semin Ultrasound CT MR** 1991 Jun;12(3):224–40 (23 ref.)

ULTRASONOGRAPHY

Percutaneous venous cannulation and central venous line placement by means of ultrasonography and ultrasonic Doppler. Möllmann M, et al. **Acta Anaesthesiol Belg** 1990; 41(4):345–51 (21 ref.)

JUNCTIONAL ECTOPIC TACHYCARDIA see **TACHYCARDIA, ECTOPIC JUNCTIONAL**

JUNIN VIRUS see **HEMORRHAGIC FEVER VIRUSES, AMERICAN**

JUNIPER see **TREES**

JURISPRUDENCE

see related
FORENSIC DENTISTRY
FORENSIC MEDICINE
Ethics and the law: the law and assisted human conception. Brahams D. **Br Med Bull** 1990 Jul;46(3):850–9 (15 ref.)
Morality and pretextuality, psychiatry and law: of "ordinary common sense," heuristic reasoning, and cognitive dissonance. Perlin ML. **Bull Am Acad Psychiatry Law** 1991; 19(2):131–50 (149 ref.)
Risk control and prevention of spinal cord damage due to surgery of thoracoabdominal aneurysms: medicolegal aspects [editorial] de Mol B, et al. **Eur J Cardiothorac Surg** 1991;5(2):57–60 (36 ref.)
Cancer registration: legal aspects and confidentiality. Muir CS, et al. **IARC Sci Publ** 1991;(95):199–207 (0 ref.)
1989 LeTourneau Award. When universal precautions fail. Communicable disease notification laws for emergency responders. Steele LJ. **J Leg Med** 1990 Dec;11(4):451–80 (121 ref.)
How law killed ethics. Hyman DA. **Perspect Biol Med** 1990 Autumn;34(1):134–51 (14 ref.)

JURISPRUDENCE, PSYCHIATRIC see **FORENSIC PSYCHIATRY**

JUVENILE DELINQUENCY

PSYCHOLOGY

Movies and juvenile delinquency: an overview. Snyder S. **Adolescence** 1991 Spring;26(101):121–32 (49 ref.)
Adolescent problem behaviors: the influence of attachment and autonomy. Allen JP, et al. **Psychiatr Clin North Am** 1990 Sep;13(3):455–67 (75 ref.)

REHABILITATION

Violence and unrestrained behavior in adolescents. Marohn RC. **Adolesc Psychiatry** 1990;17:419–32 (65 ref.)

JUXTAGLOMERULAR APPARATUS

see related
RENIN
[Renin secreting tumor and severe hypertension. Apropos of a new case] Ducret F, et al. **Nephrologie** 1991;12(1):17–24 (69 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

On the intrarenal regulation of renin release from the juxtaglomerular apparatus. Skøtt O, et al. **Kidney Int Suppl** 1990 Nov;30:S38–42 (21 ref.)

JUXTAGLOMERULAR APPARATUS

PHYSIOLOGY

Molecular mechanisms of renin release. Kurtz A, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 4:S1–7 (88 ref.)
Communication of the tubuloglomerular feedback signal in the JGA. Moore LC, et al. **Kidney Int Suppl** 1991 Jun; 32:S45–50 (21 ref.)
Macula densa control of renin secretion. Briggs JP, et al. **Renal Physiol Biochem** 1991 Jul–Oct;14(4–5):164–74 (32 ref.)

K CELLS see **KILLER CELLS**

KAINIC ACID

ANALOGS & DERIVATIVES

Excitotoxicity: an overview. Olney JW. **Can Dis Wkly Rep** 1990 Sep;16 Suppl 1E:47–57; discussion 57–8 (101 ref.)

PHARMACOLOGY

Alcohol and anesthetic actions on excitatory amino acid–activated ion channels. Weight FF, et al. **Ann N Y Acad Sci** 1991;625:97–107 (40 ref.)

KALA-AZAR see **LEISHMANIASIS, VISCERAL**

KALLIKREIN

PHYSIOLOGY

Fibrinolysin system and vasoactive kinins. Back N. **Fed Proc** 1966 Jan–Feb;25(1):77–83 (88 ref.)

KALLIKREIN-KININ SYSTEM

PHYSIOLOGY

Role of kallikrein–kinin system in regulation of renal and circulatory function: physiology and pathophysiology (2). Kher V. **J Assoc Physicians India** 1990 Oct;38(10):793–4 (17 ref.)
Role of kallikrein–kinin system in regulation of renal and circulatory function. Physiology and pathophysiology (1). Kher V. **J Assoc Physicians India** 1990 Sep;38(9):645–7 (29 ref.)
The role of the kallikrein–kinin system in joint inflammatory disease. Sharma JN. **Pharmacol Res** 1991 Feb;23(2):105–12 (47 ref.)
[The kallikrein–kinin system and allergy] Katori M, et al. **Arerugi** 1991 Jun;40(6):571–80 (18 ref.) **(Jpn)**
[The kallikrein–kinin system in renovascular hypertension (a review of the literature)] Krimkevich EI. **Vrach Delo** 1990 Sep;(9):40–3 (28 ref.) **(Rus)**

KALLIKREIN-TRYPSIN INACTIVATOR see **APROTININ**

KANDINSKY SYNDROME see **ORGANIC MENTAL DISORDERS, PSYCHOTIC**

KANNER'S SYNDROME see **AUTISM, INFANTILE**

KAPOSI'S DISEASE see **XERODERMA PIGMENTOSUM**

KAPOSI'S SARCOMA see **SARCOMA, KAPOSI'S**

KAPPA ALLOTYPES see **IMMUNOGLOBULIN ALLOTYPES**

KAPPA B ENHANCER BINDING PROTEIN see **NF-KAPPA B**

KAPPA IMMUNOGLOBULINS see **IMMUNOGLOBULINS, KAPPA CHAIN**

KARATE see **MARTIAL ARTS**

KARYOKINESIS see **MITOSIS**

KAWASAKI DISEASE see **MUCOCUTANEOUS LYMPH NODE SYNDROME**

KAZAL PANCREATIC TRYPSIN INHIBITOR see **TRYPSIN INHIBITOR, KAZAL PANCREATIC**

KEARNS-SAYRE-SHY-DAROFF SYNDROME see **KEARNS SYNDROME**

KEARNS SYNDROME

GENETICS

Neuro–ophthalmologic manifestations of mitochondrial DNA disorders: chronic progressive external ophthalmoplegia, Kearns–Sayre syndrome, and Leber's hereditary optic neuropathy. Kosmorsky G, et al. **Neurol Clin** 1991 Feb;9(1):147–61 (46 ref.)
Leber's hereditary optic neuropathy and Kearns–Sayre syndrome: mitochondrial DNA mutations. Phillips CI, et al. **Surv Ophthalmol** 1991 May–Jun;35(6):463–72 (70 ref.)

KELOID

RADIOTHERAPY

Treatment of keloids by 90Sr–90Y beta–rays. Supe SS, et al. **Strahlenther Onkol** 1991 Jul;167(7):397–402 (43 ref.)

THERAPY

Complications of foot surgery. Wound dehiscence, hypertrophic scars, and keloids. Wilczynski RJ. **Clin Podiatr Med Surg** 1991 Apr;8(2):359–65 (12 ref.)

KEPONE

TOXICITY

Potentiation of halomethane hepatotoxicity by chlordecone: a hypothesis for the mechanism. Mehendale HM. **Med Hypotheses** 1990 Dec;33(4):289–99 (70 ref.)

KERATAN SULFATE

BLOOD

Circulating keratan sulfate: a marker of cartilage proteoglycan catabolism in osteoarthritis. Thonar EJ, et al. **J Rheumatol Suppl** 1991 Feb;27:24–6 (20 ref.)

CHEMISTRY

Structural aspects of skeletal keratan sulphates. Nieduszynski IA, et al. **Biochem Soc Trans** 1990 Oct;18(5):792–3 (16 ref.)

KERATIN

ANALYSIS

Heffalumps, jagulars, and cheshire cats. A commentary on cytokeratins and soft tissue sarcomas. Swanson PE. **Am J Clin Pathol** 1991 Apr;95(4 Suppl 1):S2–7 (49 ref.)
Keratin in cutaneous amyloidoses. Hashimoto K, et al. **Clin Dermatol** 1990 Apr–Jun;8(2):55–65 (35 ref.)

CHEMISTRY

Sequences of wool keratin proteins: the CSIRO connection. Dowling LM, et al. **Trends Biochem Sci** 1991 Mar; 16(3):115–8 (13 ref.)

IMMUNOLOGY

Use of keratin antibodies in tumor diagnosis. Lane EB, et al. **Semin Cancer Biol** 1990 Jun;1(3):165–79 (137 ref.)
[Antikeratin antibodies in rheumatoid arthritis] Larsen HL. **Ugeskr Laeger** 1991 May 27;153(22):1567–71 (26 ref.) (Eng. Abstr.) **(Dan)**

PHYSIOLOGY

Cytokeratins in mesenchymal cells: impact on functional concepts of the diversity of intermediate filament proteins. Markl J. **J Cell Sci** 1991 Mar;98 (Pt 3):261–4 (40 ref.)

ULTRASTRUCTURE

Structure and biochemistry of mammalian hard keratin. Marshall RC, et al. **Electron Microsc Rev** 1991;4(1):47–83 (223 ref.)

KERATINOCYTES

[Value of cultured keratinocytes in the treatment of leg ulcers] Cony M, et al. **Ann Dermatol Venereol** 1991; 118(2):139–43 (22 ref.) **(Fre)**

CHEMISTRY

Structural and functional studies of integrin receptors in cultured human keratinocytes. Marchisio PC, et al. **Cell Differ Dev** 1990 Dec 2;32(3):355–9 (28 ref.)

CYTOLOGY

Multi–stage program of differentiation in human epidermal keratinocytes: regulation by retinoids. Jetten AM. **J Invest Dermatol** 1990 Nov;95(5):44S–46S (19 ref.)

IMMUNOLOGY

Interleukin 1 and other human keratinocyte cytokines: molecular and functional characterization. Kupper TS. **Adv Dermatol** 1988;3:293–307 (50 ref.)
Keratinocyte cytokines and growth factors. Functions in skin immunity and homeostasis. McKenzie RC, et al. **Dermatol Clin** 1990 Oct;8(4):649–61 (117 ref.)

METABOLISM

Expression of beta 1 integrins in normal human keratinocytes. Larjava H. **Am J Med Sci** 1991 Jan;301(1):63–8 (59 ref.)
The role of keratinocyte cytokines in inflammation and immunity. McKenzie RC, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):105S–107S (50 ref.)
Keratinocytes as initiators of inflammation [see comments] Barker JN, et al. **Lancet** 1991 Jan 26;337(8735):211–4 (36 ref.) Comment in: Lancet 1991 Jun 8;337(8754):1420.

PATHOLOGY

In vitro studies of acantholysis of keratinocytes induced by pemphigus antibody. Hashimoto KH, et al. **Immunol Ser** 1989;46:277–90 (61 ref.)

PHYSIOLOGY

The epidermal melanin unit in the pathophysiology of malignant melanoma. Jimbow K, et al. **Am J Dermatopathol** 1991 Apr;13(2):179–88 (65 ref.)
[The keratinocyte—a biologically active cell] Knopf B, et al. **Dermatol Monatsschr** 1990;176(8):453–9 (28 ref.) (Eng. Abstr.) **(Ger)**

TRANSPLANTATION

Synthetic membranes and cultured keratinocyte grafts. Limová M, et al. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 1):713–9 (73 ref.)

KERATITIS

The keratitis, ichthyosis, and deafness syndrome. Morris MR, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):526–8 (14 ref.)
[Conjunctivitis and keratitis] Bazin R, et al. **Union Med Can** 1991 Mar–Apr;120(2):77–85 (5 ref.) **(Fre)**

DIAGNOSIS

[Cogan syndrome. Case report, review of the literature, therapy] Wilder–Smith E, et al. **Laryngorhinootologie** 1991 Feb;70(2):90–2 (16 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Use of corticosteroids in combination with antimicrobial drugs in the treatment of infectious corneal disease [see comments] Stern GA, et al. **Ophthalmology** 1991 Jun; 98(6):847–53 (38 ref.) Comment in: Ophthalmology 1991 Jun;98(6):845–6.

MICROBIOLOGY

Varicella disciform stromal keratitis. Wilhelmus KR, et al. **Am J Ophthalmol** 1991 May 15;111(5):575–80 (50 ref.)
Acanthamoeba keratitis. Larkin DF. **Int Ophthalmol Clin** 1991 Spring;31(2):163–72 (57 ref.)

KERATITIS, ACANTHAMOEBA see **ACANTHAMOEBA KERATITIS**

KERATITIS, DENDRITIC

IMMUNOLOGY

External ocular herpesvirus infections in immunodeficiency. Pepose JS. **Curr Eye Res** 1991;10 Suppl:87–95 (92 ref.)
Herpes simplex keratitis: role of viral infection versus immune response. Pepose JS. **Surv Ophthalmol** 1991 Mar–Apr; 35(5):345–52 (73 ref.)

MICROBIOLOGY

Pathogenesis and latency of herpes simplex virus type 1 (HSV–1): an ophthalmologist's view of the eye as a model for the study of the virus–host relationship. Gordon YJ. **Adv Exp Med Biol** 1990;278:205–9 (23 ref.)
Herpes simplex virus ocular infections: current concepts of acute, latent and reactivated disease. Pavan–Langston D. **Trans Am Ophthalmol Soc** 1990;88:727–96 (164 ref.)

KERATITIS, FURROW see **KERATITIS, DENDRITIC**

KERATITIS, ULCERATIVE see **CORNEAL ULCER**

KERATOACANTHOMA

PATHOLOGY

Intra–oral keratoacanthoma: an eruptive variant and review of the literature. Habel G, et al. **Br Dent J** 1991 May 11; 170(9):336–9 (23 ref.)
[Subungual keratoacanthoma] Evole Buselli M, et al. **Med Cutan Ibero Lat Am** 1990;18(2):145–7 (13 ref.) (Eng. Abstr.) **(Spa)**

KERATOCONJUNCTIVITIS SICCA

DIAGNOSIS

Diagnosis and differential diagnosis of keratoconjunctivitis sicca associated with tear gland degeneration. Van Bijsterveld OP. **Clin Exp Rheumatol** 1990 Jul–Aug;8 Suppl 5:3–6 (18 ref.)

KERATOCONJUNCTIVITIS, VERNAL see **CONJUNCTIVITIS, ALLERGIC**

KERATOCONUS

Keratoconus. Lembach RG. **Int Ophthalmol Clin** 1991 Spring;31(2):71–82 (27 ref.)

PATHOLOGY

Current applications of the Corneal Modeling System. McDonnell PJ. **Refract Corneal Surg** 1991 Jan-Feb; 7(1):87-91 (14 ref.)

KERATODERMA, PALMOPLANTAR see **KERATOSIS PALMARIS ET PLANTARIS**

KERATODERMA, PALMOPLANTAR, DIFFUSE

COMPLICATIONS

[Pheochromocytoma and palmoplantar keratoderma] Claudy AL, et al. **Ann Dermatol Venereol** 1991;118(4):297-9 (14 ref.) **(Fre)**

KERATOMA see **KERATOSIS**

KERATOPLASTY see **CORNEAL TRANSPLANTATION**

KERATOPLASTY, LAMELLAR see **CORNEAL TRANSPLANTATION**

KERATOPLASTY, PENETRATING

Management of epithelial and wound healing problems after penetrating keratoplasty. Keates RH, et al. **Refract Corneal Surg** 1991 Jan-Feb;7(1):73-6 (25 ref.)

ADVERSE EFFECTS

Prospective corneal topographic analysis in surgery for postkeratoplasty astigmatism. Frangieh GT, et al. **Arch Ophthalmol** 1991 Apr;109(4):506-10 (23 ref.)

Management of glaucoma in penetrating keratoplasty patients. Beebe WE. **Refract Corneal Surg** 1991 Jan-Feb; 7(1):67-9 (16 ref.)

Complications of penetrating keratoplasty: graft infections. Varley GA, et al. **Refract Corneal Surg** 1991 Jan-Feb; 7(1):62-6 (19 ref.)

[Results of transverse incisions in surgical correction of severe post-keratoplasty astigmatism] Saragoussi JJ, et al. **J Fr Ophtalmol** 1990;13(10):492-9 (24 ref.) (Eng. Abstr.) **(Fre)**

METHODS

Techniques of posterior chamber lens implantation without capsular support during penetrating keratoplasty: a review. Soong HK, et al. **Refract Corneal Surg** 1989 Jul-Aug; 5(4):249-55 (33 ref.)

KERATOSIS

Podopediatrics. Beginning of the natural history of adult foot disorders. Levy LA. **J Am Podiatr Med Assoc** 1991 Mar; 81(3):155-6 (2 ref.)

Bazex syndrome (acrokeratosis paraneoplastica). An analytic review. Bologna JL, et al. **Medicine (Baltimore)** 1991 Jul; 70(4):269-80 (100 ref.)

COMPLICATIONS

The association of keratosis pilaris atrophicans with hereditary woolly hair. McHenry PM, et al. **Pediatr Dermatol** 1990 Sep;7(3):202-4 (17 ref.)

DRUG THERAPY

Acitretin in the treatment of erythrokeratodermia variabilis. van de Kerkhof PC, et al. **Dermatologica** 1990;181(4):330-3 (23 ref.)

Methods for the assessment of the effects of topical retinoic acid in photo-ageing and actinic keratoses. Marks R. **J Int Med Res** 1990;18 Suppl 3:29C-34C (18 ref.)

ETIOLOGY

[Lichen sclerosus et atrophicus] Feldmann R, et al. **Hautarzt** 1991 Mar;42(3):147-53 (59 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Porokeratosis arising in a burn scar. Nova MP, et al. **J Am Acad Dermatol** 1991 Aug;25(2 Pt 2):354-6 (21 ref.)

[Hyperkeratosis lenticularis perstans. A clinical case and review of the literature] Massone L, et al. **G Ital Dermatol Venereol** 1990 Jun;125(6):281-4 (21 ref.) (Eng. Abstr.) **(Ita)**

[Pharyngeal keratosis] Morais Pérez D, et al. **Acta Otorrinolaringol Esp** 1990 Jul-Aug;41(4):261-3 (16 ref.) (Eng. Abstr.) **(Spa)**

[Histologic aspects of seborrheic keratosis (published erratum appears in Med Cutan Ibero Lat Am 1990;18(4):287)] Pérez-Oliva N, et al. **Med Cutan Ibero Lat Am** 1990; 18(1):70-7 (30 ref.) (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Sun-related skin diseases. Prawer SE. **Postgrad Med** 1991 Jun;89(8):51-4, 59-61, 64-6 (20 ref.)

KERATOSIS PALMARIS ET PLANTARIS

COMPLICATIONS

[Filiform palmoplantar hyperkeratosis and cancer of the breast] Hillion B, et al. **Ann Dermatol Venereol** 1990; 117(11):834-6 (9 ref.) **(Fre)**

PATHOLOGY

[Rothmund-Thomson's syndrome--a case demonstrating prominent hyperkeratosis and literature review] Aso K, et al. **Nippon Hifuka Gakkai Zasshi** 1990 Oct; 100(11):1191-8 (53 ref.) (Eng. Abstr.) **(Jpn)**

[Punctate porokeratotic keratoderma] Kosogabe M, et al. **Nippon Hifuka Gakkai Zasshi** 1991 Apr;101(5):553-60 (25 ref.) (Eng. Abstr.) **(Jpn)**

KERATOSULFATE see **KERATAN SULFATE**

KERATOTOMY, RADIAL

The importance of pupil size in optical quality measurements following radial keratotomy. Applegate RA, et al. **Refract Corneal Surg** 1990 Jan-Feb;6(1):47-54 (33 ref.)

[Radial keratotomy] Prijot A, et al. **Bull Soc Belge Ophtalmol** 1989;233:13-66 (114 ref.) **(Fre)**

ADVERSE EFFECTS

Complications of radial keratotomy: review of the literature and implications for a developing country. Hersh PS, et al. **Indian J Ophthalmol** 1990 Jul-Sep;38(3):132-8 (34 ref.)

METHODS

Radial keratotomy. Saragoussi JJ. **Fortschr Ophthalmol** 1990; 87 Suppl:S215-8 (39 ref.)

Radial keratotomy: procedures. Robin JB. **Indian J Ophthalmol** 1990 Jul-Sep;38(3):103-6 (14 ref.)

Radial keratotomy: incision number, incision direction, peripheral redeepening, and multiple-depth incisions. Kornmehl EW. **Int Ophthalmol Clin** 1991 Winter; 31(1):101-7 (30 ref.)

KETAMINE

ADVERSE EFFECTS

[The psychotic effects of ketamine anesthesia] Meshcheriakov AV, et al. **Anesteziol Reanimatol** 1990 Nov-Dec;(6):75-8 (104 ref.) **(Rus)**

KETANSERIN

PHARMACOKINETICS

Clinical pharmacokinetics of ketanserin. Persson B, et al. **Clin Pharmacokinet** 1991 Apr;20(4):263-79 (67 ref.)

PHARMACOLOGY

Ketanserin. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in hypertension and peripheral vascular disease. Brogden RN, et al. **Drugs** 1990 Dec;40(6):903-49 (344 ref.)

THERAPEUTIC USE

Carcinoid syndrome and serotonin: therapeutic effects of ketanserin. Robertson JI. **Cardiovasc Drugs Ther** 1990 Jan; 4 Suppl 1:53-8 (34 ref.)

KETO ACIDS

METABOLISM

Role of branched-chain ketoacids in protein metabolism. Walser M. **Kidney Int** 1990 Oct;38(4):595-604 (134 ref.)

3-KETO-5-ALPHA-STEROID DELTA-4-DEHYDROGENASE see **TESTOSTERONE 5-ALPHA-REDUCTASE**

KETOCONAZOLE

ADVERSE EFFECTS

Ketoconazole-induced fulminant hepatitis necessitating liver transplantation. Knight TE, et al. **J Am Acad Dermatol** 1991 Aug;25(2 Pt 2):398-400 (23 ref.)

ANALOGS & DERIVATIVES

Management of fungal skin infections with 15 days itraconazole treatment: a worldwide review. De Doncker P, et al. **Br J Clin Pract Symp Suppl** 1990 Sep;71:118-22 (28 ref.)

Pharmacokinetics of oral antifungals and their clinical implications. Heykants J, et al. **Br J Clin Pract Symp Suppl** 1990 Sep;71:50-6 (17 ref.)

Safety aspects of oral antifungal agents. Van Cauteren H, et al. **Br J Clin Pract Symp Suppl** 1990 Sep;71:47-9 (29 ref.)

Oral and parenteral treatment with itraconazole in various superficial and systemic experimental fungal infections. Comparisons with other antifungals and combination therapy. Van Cutsem J. **Br J Clin Pract Symp Suppl** 1990 Sep;71:32-40 (17 ref.)

Treatment of oral candidosis with itraconazole: a review. Blatchford NR. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 2):565-7 (10 ref.)

Itraconazole in tinea versicolor: a review. Delescluse J. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 2):551-4 (24 ref.)

Itraconazole in common dermatophyte infections of the skin: fixed treatment schedules. Saul A, et al. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 2):554-8 (9 ref.)

Treatment of chromoblastomycosis. Tuffanelli L, et al. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 1):728-32 (54 ref.)

Diagnosis and treatment of oral candidosis. Lewis MA, et al. **J Oral Maxillofac Surg** 1991 Sep;49(9):996-1002 (54 ref.)

[Importance of the new triazoles in antifungal therapy] Durmaz B. **Mikrobiyol Bul** 1991 Jan;25(1):118-23 (27 ref.) (Eng. Abstr.) **(Tur)**

PHARMACOKINETICS

Pharmacokinetics of oral antifungals and their clinical implications. Heykants J, et al. **Br J Clin Pract Symp Suppl** 1990 Sep;71:50-6 (17 ref.)

Pharmacology and pharmacokinetics of traditional systemic antifungal agents. Barriere SL. **Pharmacotherapy** 1990;10(6 (Pt 3)):134S-140S (50 ref.)

KETOGLUTARATE DEHYDROGENASE COMPLEX

METABOLISM

Ca2(+)-binding to citrate cycle dehydrogenases. Rutter GA. **Int J Biochem** 1990;22(10):1081-8 (75 ref.)

KETONE BODIES

METABOLISM

Mechanisms and regulation of lactate, pyruvate and ketone body transport across the plasma membrane of mammalian cells and their metabolic consequences. Halestrap AP, et al. **Biochem Soc Trans** 1990 Dec;18(6):1132-5 (34 ref.)

Ketone bodies as substrates. Rich AJ. **Proc Nutr Soc** 1990 Oct;49(3):361-73 (45 ref.)

KETONE OXIDOREDUCTASES

CHEMISTRY

Domains, motifs, and linkers in 2-oxo acid dehydrogenase multienzyme complexes: a paradigm in the design of a multifunctional protein. Perham RN. **Biochemistry** 1991 Sep 3;30(35):8501-12 (116 ref.)

KETONES

CHEMISTRY

Higher aliphatic 2,4-diketones: a ubiquitous lipid class with chelating properties, in search of a physiological function. Douglas DE. **J Lipid Res** 1991 Apr;32(4):553-8 (4 ref.)

KETOQUINOLINES see **QUINOLINONES**

KETOSIS

ETIOLOGY

Alcoholic ketoacidosis. Adams SL. **Emerg Med Clin North Am** 1990 Nov;8(4):749-60 (97 ref.)

KETOSIS, DIABETIC

Diabetic ketoacidosis. Cefalu WT. **Crit Care Clin** 1991 Jan; 7(1):89-108 (55 ref.)

Diabetic ketoacidosis at the Children's Hospital of Oklahoma: a review on presentation and management. Blackett PR, et al. **J Okla State Med Assoc** 1990 Dec;83(12):594-601 (42 ref.)

EPIDEMIOLOGY

[Diabetic ketoacidosis (169 episodes in 131 patients in the course of 10 years)] Sajti I, et al. **Orv Hetil** 1991 Apr 14; 132(15):787-91 (23 ref.) (Eng. Abstr.) **(Hun)**

THERAPY

Practical management of diabetic ketoacidosis and hyperosmolar coma. Hamblin PS, et al. **Aust N Z J Med** 1990 Dec;20(6):836-41 (33 ref.)

[The treatment of ketoacidosis in children and adolescents with diabetes (simultaneous major ketosis and severe hypoglycemia)] Dieterlen P. **Ann Pediatr (Paris)** 1991 Apr; 38(4):240-3 (21 ref.) (Eng. Abstr.) **(Fre)**

KETOTIFEN

Ketotifen. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic use in asthma

and allergic disorders [published erratum appears in Drugs 1991 Feb;41(2):192] Grant SM, et al. **Drugs** 1990 Sep; 40(3):412–48 (214 ref.)

PHARMACOLOGY

Membrane IgE and adenyl cyclase activity in the dynamics of bronchospasm. Ketotifen as a blocker of antigen action. Oehling A, et al. **Allergol Immunopathol (Madr)** 1990 Jul–Aug;18(4):237–40 (15 ref.)

THERAPEUTIC USE

[Pharmaco-prevention of bronchial asthma using membrane stabilizers and asthma mortality] Neffen HE. **Rev Alerg Mex** 1990 Sep–Oct;37(5):155–63 (48 ref.) (Eng. Abstr.) **(Spa)**

KI-RAS GENES see **GENES, RAS**

KIDD BLOOD-GROUP SYSTEM

IMMUNOLOGY

Hemolytic disease of the newborn caused by anti-Jkb [letter] Merlob P, et al. **Pediatr Hematol Oncol** 1987;4(4):357–60 (7 ref.)

KIDNEY

see related
DIURESIS
NEPHRECTOMY

[Right thoracic kidney with simple renal cyst: report of a case] Shimura S, et al. **Hinyokika Kiyo** 1990 Nov; 36(11):1321–4 (6 ref.) (Eng. Abstr.) **(Jpn)**

ABNORMALITIES

Incomplete quadruplication of urinary tract with contralateral agenesis of the kidney. Bolkier M, et al. **Eur Urol** 1991;19(3):267–8 (8 ref.)

Childhood retroperitoneal fibrosis associated with a horseshoe kidney: a case report. Smith DR, et al. **Indiana Med** 1991 Apr;84(4):254–9 (0 ref.)

Renal response to ureteral obstruction in early development. Chevalier RL. **Nephron** 1990;56(2):113–7 (33 ref.)

Prevention of hereditary nephropathies by antenatal interventions. Ethical considerations. Arant BS Jr. **Pediatr Nephrol** 1987 Jul;1(3):553–60 (26 ref.)

Left infrarenal region: anatomic variants, pathologic conditions, and diagnostic pitfalls. Gay SB, et al. **Radiographics** 1991 Jul;11(4):549–70 (30 ref.)

Radiographic manifestations of renal anomalies. Daneman A, et al. **Radiol Clin North Am** 1991 Mar;29(2):351–63 (27 ref.)

Double uterus with an obstructed hemivagina and ipsilateral renal agenesis: report of 5 cases and a review of the literature. Lin CC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1991 Feb;90(2):195–201 (18 ref.)

Imaging of neonatal renal masses. Fernbach SK. **Urol Radiol** 1991;12(4):214–9 (12 ref.)

[Renal agenesis, bicornuate uterus and cyst of the Gartner's duct] Staerman F, et al. **Ann Pediatr (Paris)** 1991 May; 38(5):341–3 (7 ref.) (Eng. Abstr.) **(Fre)**

[Abdominal aortic aneurysm and horseshoe kidney. Clinical cases] Giordanengo F, et al. **Minerva Cardioangiol** 1991 Mar;39(3):97–102 (30 ref.) (Eng. Abstr.) **(Ita)**

[Aberrant renal papilla. 2 new case reports. Diagnostic considerations] Pellice C Jr, et al. **Arch Esp Urol** 1990 Jul–Aug;43(6):603–6 (17 ref.) (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Anatomy of the renal interstitium. Lemley KV, et al. **Kidney Int** 1991 Mar;39(3):370–81 (78 ref.)

[Radiologic anatomy of the kidney and the renal region: advances] Bazzocchi M, et al. **Radiol Med (Torino)** 1991 Jan–Feb;81(1–2):118–26 (34 ref.) **(Ita)**

BLOOD SUPPLY

Atrial natriuretic factor: a protective role after acute renal ischaemia? A room for it in kidney transplantation? Gianello P. **Acta Chir Belg** 1990 Jul–Aug;90(4):143–50 (71 ref.)

Endothelium-derived vasoactive factors and the renal vasculature. King AJ, et al. **Am J Physiol** 1991 Apr;260(4 Pt 2):R653–62 (110 ref.)

Is there a reliable index of glomerular filtration rate in critically ill patients? Robert S, et al. **DICP** 1991 Feb; 25(2):169–78 (73 ref.)

Control of the renal microvasculature by vasoactive peptides. Carmines PK, et al. **FASEB J** 1990 Dec;4(15):3300–9 (81 ref.)

The cell biology of ischemic renal injury. Weinberg JM. **Kidney Int** 1991 Mar;39(3):476–500 (465 ref.)

Role of angiotensin in the renal vasoconstriction observed during the development of genetic hypertension. Arendshorst WJ, et al. **Kidney Int Suppl** 1990 Nov;30:S92–6 (34 ref.)

Acute ischemic renal failure: review of experimental studies on pathophysiology and potential protective interventions. Mohaupt M, et al. **Ren Fail** 1989–90;11(4):177–85 (26 ref.)

The effect of amino acids on ischemic and toxic injury to the kidney. Weinberg JM. **Semin Nephrol** 1990 Sep; 10(5):491–500 (120 ref.)

[Ischemic nephropathy] Breyer JA, et al. **Dtsch Med Wochenschr** 1991 Mar 22;116(12):468–72 (18 ref.) **(Ger)**

[Changes in renal function in heart failure and their modification by conversion enzyme inhibitors] Heidland A, et al. **Klin Wochenschr** 1991;69 Suppl 24:65–72; discussion 72–4 (68 ref.) (Eng. Abstr.) **(Ger)**

CHEMISTRY

Molecular and cellular aspects of renin during kidney ontogeny. Gomez RA, et al. **Pediatr Nephrol** 1991 Jan; 5(1):80–7 (60 ref.)

CYTOLOGY

C. L. Oakley Lecture (1991). Cell adhesion and epithelial differentiation. Fleming S. **J Pathol** 1991 Jun;164(2):95–100 (22 ref.)

DRUG EFFECTS

Renal effects of angiotensin-converting enzyme inhibition in congestive heart failure. Gottlieb SS, et al. **Am J Cardiol** 1990 Oct 2;66(11):14D–20D; discussion 20D–21D (74 ref.)

Renal vascular effects of calcium channel blockers in hypertension. Benstein JA, et al. **Am J Hypertens** 1990 Dec; 3(12 Pt 2):305S–312S (47 ref.)

Converting enzyme inhibitors and renal function in essential and renovascular hypertension. Mimran A, et al. **Am J Hypertens** 1991 Jan;4(1 Pt 2):7S–14S (31 ref.)

Geriatric pharmacokinetics and the kidney. Bennett WM. **Am J Kidney Dis** 1990 Oct;16(4):283–8 (32 ref.)

Effects of calcium antagonists on renal hemodynamics. Epstein M, et al. **Am J Kidney Dis** 1990 Oct;16(4 Suppl 1):10–4 (25 ref.)

Calcium channel blockers versus angiotensin-converting enzyme inhibitors: renal effects. Linas S. **Am J Kidney Dis** 1990 Oct;16(4 Suppl 1):15–9 (27 ref.)

Converting enzyme inhibitors: structural and hemodynamic effects on failing kidney. Stella A, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):81–4 (32 ref.)

Aminoglycoside-induced renal phospholipidosis and nephrotoxicity. Laurent G, et al. **Biochem Pharmacol** 1990 Dec 1;40(11):2383–92 (95 ref.)

Acute and chronic effects of angiotensin converting enzyme inhibitors on the essential hypertensive kidney. Reams GP, et al. **Cardiovasc Drugs Ther** 1990 Feb;4(1):207–19 (200 ref.)

Effects of calcium antagonists on the hypertensive kidney. Reams GP, et al. **Cardiovasc Drugs Ther** 1990 Oct; 4(5):1331–5 (35 ref.)

Renal effects of calcium entry blockers. Ruilope LM, et al. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 5:979–82 (36 ref.)

ACE inhibitors in renal disease. Bauer JH, et al. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV38–43; discussion IV51–5 (100 ref.)

Renal function of pre-dialysis patients during treatment with recombinant human erythropoietin. Koene RA, et al. **Contrib Nephrol** 1991;88:192–9; discussion 200 (16 ref.)

Sodium loading treatment for amphotericin B-induced nephrotoxicity. Gardner ML, et al. **DICP** 1990 Oct; 24(10):940–6 (26 ref.)

Is there a rational basis for the different spectra of adverse effects of nonsteroidal anti-inflammatory drugs (NSAIDs)? Brune K. **Drugs** 1990;40 Suppl 5:12–5 (22 ref.)

Renal mineralization--a ubiquitous lesion in chronic rat studies. Lord GH, et al. **Food Chem Toxicol** 1990 Jun; 28(6):449–55 (45 ref.)

Effects of cyclosporine on renal function in psoriasis patients. Messana JM, et al. **J Am Acad Dermatol** 1990 Dec;23(6 Pt 2):1288–91; discussion 1291–3 (42 ref.)

Cellular and molecular mechanisms of cyclosporin nephrotoxicity. Kopp JB, et al. **J Am Soc Nephrol** 1990 Aug;1(2):162–79 (175 ref.)

Pharmacologic features and physiologic effects of dopamine. Hosgood G. **J Am Vet Med Assoc** 1990 Nov 1; 197(9):1209–11 (25 ref.)

Five years' experience with gamma-L-glutamyl-L-dopa: a relatively renally specific dopaminergic prodrug in man. Lee MR. **J Auton Pharmacol** 1990;10 Suppl 1:s103–8 (24 ref.)

Detrimental and beneficial effects of converting enzyme inhibitors on the kidney. Ritz E, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 4:S70–5 (60 ref.)

Nonsteroidal anti-inflammatory drugs: effects on kidney function. Whelton A, et al. **J Clin Pharmacol** 1991 Jul; 31(7):588–98 (55 ref.)

ACE inhibition and the kidney: diagnostic and therapeutic implications. Raine AE. **J Hum Hypertens** 1990 Oct;4 Suppl 4:57–61; discussion 61–2 (30 ref.)

Renal actions of calcium channel antagonists. Osswald H, et al. **J Neural Transm Suppl** 1990;31:39–53 (45 ref.)

Diuretics [clinical conference] Rose BD. **Kidney Int** 1991 Feb;39(2):336–52 (155 ref.)

Immediate and long-term renal effects of fetal exposure to gentamicin. Gilbert T, et al. **Pediatr Nephrol** 1990 Jul; 4(4):445–50 (46 ref.)

Nephrotoxic drugs. Mendoza SA. **Pediatr Nephrol** 1988 Oct; 2(4):466–76 (96 ref.)

Efficacy and safety of aminoglycosides once-a-day: experimental and clinical data. Tulkens PM. **Scand J Infect Dis Suppl** 1990;74:249–57 (50 ref.)

Renal consequences of antihypertensive therapy. Eknoyan G, et al. **Semin Nephrol** 1991 Mar;11(2):129–37 (124 ref.)

Cyclosporin nephrotoxicity. Neild GH. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):198–203 (53 ref.)

Renal toxicity of antineoplastic agents. Borch RF, et al. **Toxicol Lett** 1990 Sep;53(1–2):93–6 (11 ref.)

Chronic nephrotoxicity of 2,2,4-trimethylpentane and other branched-chain hydrocarbons. Lock EA. **Toxicol Lett** 1990 Sep;53(1–2):75–80 (13 ref.)

The role of damage and proliferation in renal carcinogenesis. Stevens JL, et al. **Toxicol Lett** 1990 Sep;53(1–2):121–6 (24 ref.)

Mechanisms of beta-lactam antibiotic nephrotoxicity. Tune BM, et al. **Toxicol Lett** 1990 Sep;53(1–2):81–6 (8 ref.)

Perturbation of calcium homeostasis as a link between acute cell injury and carcinogenesis in the kidney. Vamvakas S, et al. **Toxicol Lett** 1990 Sep;53(1–2):115–20 (14 ref.)

Mechanisms underlying cyclosporin A nephrotoxicity. Whiting PH. **Toxicol Lett** 1990 Sep;53(1–2):69–73 (15 ref.)

[The biotransformation and nephrotoxicity of fluorinated ether anesthetics] Davidkova T. **Khirurgiia (Sofiia)** 1990; 43(3):1–7 (31 ref.) **(Bul)**

[Antihypertensive drugs and kidney function] Belovezhdov N. **Vutr Boles** 1990;29(6):1–7 (0 ref.) **(Bul)**

[Lithium treatment and kidney function] Schou M. **Ugeskr Laeger** 1990 Aug 13;152(33):2343–5 (15 ref.) (Eng. Abstr.) **(Dan)**

[Non-steroidal anti-inflammatory drugs: predictably nephrotoxic in various groups of subjects] Stehouwer CD, et al. **Ned Tijdschr Geneeskd** 1991 Mar 16;135(11):455–7 (12 ref.) **(Dut)**

[Changes in renal function induced by anesthesia] Mercatello A. **Ann Fr Anesth Reanim** 1990;9(6):507–24 (208 ref.) (Eng. Abstr.) **(Fre)**

[Renal tolerance during administration of iodinated contrast media in diabetic patients] Deray G, et al. **Diabete Metab** 1991 May–Jun;17(3):379–82 (13 ref.) **(Fre)**

[Renal effects of angiotensin-converting enzyme inhibitors: from the feared side effect to the desired treatment goal] de Jong PE, et al. **Dtsch Med Wochenschr** 1991 May 10; 116(19):743–6 (32 ref.) **(Ger)**

[Renal incompatibility with antibacterial drugs: diagnosis and preventive measures] Andrassy K. **Infection** 1991;19 Suppl 1:S25–8 (8 ref.) (Eng. Abstr.) **(Ger)**

[Renal effects of recombinant interleukin-2] Beloosesky Y, et al. **Harefuah** 1991 Apr 1;120(7):386–8 (28 ref.) **(Heb)**

[Early detection of the nephrotoxic effect of aminoglycosides] Tenerowicz R, et al. **Przegl Lek** 1990; 47(7):565–7 (0 ref.) **(Pol)**

[Laboratory diagnosis of renal changes caused by occupational chemical factors] Hanke J, et al. **Wiad Lek** 1990 Jun 15;43(12):583–9 (25 ref.) (Eng. Abstr.) **(Pol)**

[Clinical pharmacology of diuretics] Orlov VA, et al. **Klin Med (Mosk)** 1991 Feb;69(2):17–23 (11 ref.) **(Rus)**

[Furosemide in assessing kidney function and in studying the status of different sections of the urinary system] Arkhipov VV, et al. **Urol Nefrol (Mosk)** 1991 Mar–Apr;(2):63–6 (38 ref.) **(Rus)**

[ACE inhibitors' effect on kidney function] Grönhagen-Riska C. **Nord Med** 1990;105(8–9):219–22 (24 ref.) (Eng. Abstr.) **(Swe)**

EMBRYOLOGY

Extracellular matrix composition during kidney development. Klein G, et al. **Contrib Nephrol** 1990;80:17–31 (47 ref.)

The effect of neuronal cells on kidney differentiation. Sariola H, et al. **Int J Dev Biol** 1989 Mar;33(1):149–55 (46 ref.)

Determinants of epithelial differentiation during early nephrogenesis. Brenner BM. **J Am Soc Nephrol** 1990 Aug; 1(2):127–39 (106 ref.)

Ontogeny of tubulointerstitial cells. Ekblom P, et al. **Kidney Int** 1991 Mar;39(3):394–400 (35 ref.)

EGF receptors in the development of epitheliomesenchymal organs. Partanen AM. **Mol Reprod Dev** 1990 Sep;27(1):60–5 (17 ref.)

Renal epithelial development in organotypic culture. Avner ED, et al. **Pediatr Nephrol** 1988 Jan;2(1):92–9 (37 ref.)

Early organogenesis of the kidney. Saxén L, et al. **Pediatr Nephrol** 1987 Jul;1(3):385–92 (38 ref.)

Pronephros and mesonephros--Cohnheim revisited. Aterman K. **Pediatr Pathol** 1990;10(6):1021–32 (45 ref.)

ENZYMOLOGY

The renal mitochondrial hydroxylases of the vitamin D3 endocrine complex: how are they regulated at the molecular level? Ghazarian JG. **J Bone Miner Res** 1990 Sep;5(9):897–903 (51 ref.)

Distribution and function of the renal ATPase (H(+)-ATPase). Sabatini S. **Semin Nephrol** 1991 Jan; 11(1):37–44 (77 ref.)

[Arguments for the existence of an endogenous inhibitor of renal Na-K ATPase with steroid structure and natriuretic action] Krzesinski JM, et al. **Arch Mal Coeur** 1990 Jul; 83(8):1229–31 (13 ref.) (Eng. Abstr.) **(Fre)**

[Comparison of the activities of the hepatic and renal mixed function oxidase (MFO) systems in rats during different postnatal periods of life] Czekaj P, et al.

Folia Med Cracov 1990;31(3):225–36 (30 ref.) (Eng. Abstr.) (Pol)

GROWTH & DEVELOPMENT

The renal growth hormone/insulin-like growth factor I axis. Hammerman MR. **Am J Kidney Dis** 1991 Jun;17(6):644–6 (14 ref.)

The role of growth hormone and insulin-like growth factor-I in experimental renal growth and scarring. el Nahas AM. **Am J Kidney Dis** 1991 Jun;17(6):677–9 (17 ref.)

Postnatal development of renal function during the first year of life. Arant BS Jr. **Pediatr Nephrol** 1987 Jul;1(3):308–13 (40 ref.)

Molecular biology of components of the renin-angiotensin system during development. Gomez RA. **Pediatr Nephrol** 1990 Jul;4(4):421–3 (19 ref.)

The role of angiotensin II in renal growth. Norman JT. **Renal Physiol Biochem** 1991 Jul–Oct;14(4–5):175–85 (92 ref.)

IMMUNOLOGY

Immune recognition and response to the renal interstitium. Kelly CJ, et al. **Kidney Int** 1991 Mar;39(3):518–30 (172 ref.)

Immunology. Schnaper HW. **Pediatr Nephrol** 1988 Oct; 2(4):485–9 (10 ref.)

Immunology. Schnaper HW. **Pediatr Nephrol** 1988 Jan; 2(1):72–7 (12 ref.)

INJURIES

Increased ammoniagenesis as a determinant of progressive renal injury. Nath KA, et al. **Am J Kidney Dis** 1991 Jun; 17(6):654–7 (20 ref.)

ABC of major trauma. Trauma of the upper urinary tract. Terry T. **BMJ** 1990 Sep 8;301(6750):485–8 (0 ref.)

Management of the injured renal transplant recipient. Urquhart CK, et al. **South Med J** 1991 Apr;84(4):524–6 (15 ref.)

Preliminary vascular control for renal trauma. Atala A, et al. **Surg Gynecol Obstet** 1991 May;172(5):386–90 (7 ref.)

Page kidney: a curable form of arterial hypertension. Case report and review of the literature. Aragona F, et al. **Urol Int** 1991;46(2):203–7 (19 ref.)

[Posttraumatic functional exclusion of the kidney of nonvascular origin. Description of a case and review of the literature] Saltutti C, et al. **Minerva Urol Nefrol** 1991 Jan–Mar;43(1):41–4 (11 ref.) (Eng. Abstr.) (Ita)

[Kidney injuries in childhood: our experience in 64 cases] Cárcamo Valor PI, et al. **Arch Esp Urol** 1990 Jul–Aug; 43(6):651–5; discussion 655–6 (15 ref.) (Eng. Abstr.) (Spa)

INNERVATION

Role of renal nerves in volume homeostasis. DiBona GF. **Acta Physiol Scand Suppl** 1990;591:18–27 (28 ref.)

Dopamine and the kidney in heart failure. Casagrande C. **Herz** 1991 Apr;16(2):102–15 (96 ref.) (Eng, Ger)

Reflex control of renal sympathetic nervous activity in heart failure. Zucker IH, et al. **Herz** 1991 Apr;16(2):82–91 (33 ref.)

A functional role for renal dopaminergic nerves in the dog. Bell C, et al. **J Auton Pharmacol** 1990;10 Suppl 1:s41–5 (22 ref.)

Adrenergic influences and interactions with angiotensin II. Blantz RC, et al. **Kidney Int Suppl** 1990 Nov;30:S84–6 (20 ref.)

Neural control of renal hemodynamics and function during development. Robillard JE, et al. **Pediatr Nephrol** 1990 Jul; 4(4):436–41 (32 ref.)

Functional role of renal afferents. Stella A, et al. **Physiol Rev** 1991 Jul;71(3):659–82 (211 ref.)

Adrenergic receptors and catecholamine effects on sodium transport in the mammalian nephron. Cohen HT, et al. **Semin Nephrol** 1991 Mar;11(2):110–9 (123 ref.)

[Effect of the autonomic nervous system on liver function in physiological and various pathological conditions] Zapaśnik A, et al. **Pol Arch Med Wewn** 1990 Sep; 84(3):166–75 (40 ref.) (Pol)

METABOLISM

Renal perfusion and metabolism in experimental endotoxin shock. Gullichsen E. **Acta Chir Scand Suppl** 1991;560:7–31 (207 ref.)

Expression and functions of P-glycoprotein (mdr1 gene product) in normal and malignant tissues. Sugawara I. **Acta Pathol Jpn** 1990 Aug;40(8):545–53 (42 ref.)

Selectivity and direction: plasma membranes in renal transport. Kinne RK. **Am J Physiol** 1991 Feb;260(2 Pt 2):F153–62 (104 ref.)

Structure and function of renal glycosphingolipids [editorial] Shayman JA, et al. **Am J Physiol** 1991 Mar;260(3 Pt 2):F291–302 (135 ref.)

Brain, eye, kidney, and IgA. Filtration and selective immune deposition [editorial] Peress NS, et al. **Arch Pathol Lab Med** 1991 Apr;115(4):327–8 (29 ref.)

Atrial natriuretic peptide (ANP) as a neuropeptide: interaction with angiotensin II on volume control and renal sodium handling. Unger T, et al. **Br J Clin Pharmacol** 1990; 30 Suppl 1:83S–88S (35 ref.)

Pharmacokinetics of beta-adrenoceptor blocking agents: clinical significance of hepatic and/or renal clearance. Borchard U. **Clin Physiol Biochem** 1990;8 Suppl 2:28–34 (11 ref.)

Regulation of dopamine synthesis in the rat kidney. Soares-da-Silva P, et al. **J Auton Pharmacol** 1990;10 Suppl 1:s25–30 (22 ref.)

Comparative pharmacokinetics of aminoglycoside antibiotics. Brown SA, et al. **J Vet Pharmacol Ther** 1991 Mar; 14(1):1–35 (220 ref.)

Renal handling of citrate. Hamm LL. **Kidney Int** 1990 Oct; 38(4):728–35 (82 ref.)

13C NMR spectroscopy as a tool to investigate renal metabolism. Jans AW, et al. **Kidney Int** 1991 Mar; 39(3):430–7 (32 ref.)

Renal metabolism of angiotensin I and II. Erdös EG, et al. **Kidney Int Suppl** 1990 Nov;30:S24–7 (39 ref.)

Protons and regulation of biological functions. Ganapathy V, et al. **Kidney Int Suppl** 1991 Jul;33:S4–10 (59 ref.)

Molecular biology of renal Na(+)-H+ exchangers. Igarashi P, et al. **Kidney Int Suppl** 1991 Jul;33:S84–9 (48 ref.)

NH4+ transport in the kidney. Knepper MA. **Kidney Int Suppl** 1991 Jul;33:S95–102 (68 ref.)

Role of Ca2+/H+ antiporter in the kidney. Tsukamoto Y, et al. **Kidney Int Suppl** 1991 Jul;33:S90–4 (36 ref.)

Aldosterone-regulated ion transporters in the kidney. Oberleithner H. **Klin Wochenschr** 1990 Nov 16; 68(22):1087–90 (23 ref.)

Ammonia metabolism in cultured renal cells. Nissim I, et al. **Miner Electrolyte Metab** 1990;16(5):270–6 (52 ref.)

Calcium-binding proteins: differential regulation in intestine, kidney, and brain. **Nutr Rev** 1991 Jun;49(6):191–4 (13 ref.)

The relationship between renal metabolism and proximal tubule transport during ontogeny. Barac-Nieto M, et al. **Pediatr Nephrol** 1988 Jul;2(3):356–67 (52 ref.)

The renal transport of taurine and the regulation of renal sodium-chloride-dependent transporter activity. Chesney RW, et al. **Pediatr Nephrol** 1990 Jul;4(4):399–407 (37 ref.)

Renal metabolism and acute renal failure. Dickman KG, et al. **Pediatr Nephrol** 1987 Jul;1(3):359–66 (61 ref.)

Regulation of renal phosphate reabsorption during development: implications from a new model of growth hormone deficiency. Haramati A, et al. **Pediatr Nephrol** 1990 Jul;4(4):387–91 (22 ref.)

Salt and the newborn kidney. Haycock GB, et al. **Pediatr Nephrol** 1991 Jan;5(1):65–70 (58 ref.)

Regulation of renal phosphate reabsorption: concepts in evolution. Hruska KA. **Pediatr Nephrol** 1987 Oct; 1(4):657–63 (67 ref.)

Intrarenal angiotensinogen: localization and regulation. Ingelfinger JR, et al. **Pediatr Nephrol** 1990 Jul;4(4):424–8 (56 ref.)

The expression of cell adhesion molecules, cadherins: markers of kidney morphogenesis. Okada TS. **Pediatr Nephrol** 1988 Jan;2(1):115–7 (17 ref.)

Vitamin D metabolism and phosphate transport in developing kidney: effect of diet and mutation. Tenenhouse HS. **Pediatr Nephrol** 1988 Jan;2(1):171–5 (31 ref.)

Kidney epithelial cells release growth factors in response to extracellular signals. Toback FG, et al. **Pediatr Nephrol** 1990 Jul;4(4):363–71 (71 ref.)

Influence of intrarenally generated angiotensin II on renal hemodynamics and tubular reabsorption. Mitchell KD, et al. **Renal Physiol Biochem** 1991 Jul–Oct;14(4–5):155–63 (38 ref.)

Physiologic determinants of erythropoietin production. Bauer C. **Semin Hematol** 1991 Jul;28(3 Suppl 3):9–12; discussion 12–3 (13 ref.)

Production of erythropoietin in the kidney. Lacombe C, et al. **Semin Hematol** 1991 Jul;28(3 Suppl 3):14–7; discussion 17–9 (16 ref.)

Glucose metabolism and the kidney. Castellino P, et al. **Semin Nephrol** 1990 Sep;10(5):458–63 (45 ref.)

Functional effects of cytochrome P450 arachidonate metabolites in the kidney. Hirt DL, et al. **Semin Nephrol** 1991 Mar;11(2):148–55 (51 ref.)

The effect of the nephrotic syndrome on the renal handling of protein and other nutrients. Kaysen GA, et al. **Semin Nephrol** 1990 Sep;10(5):481–90 (120 ref.)

Amino acid metabolism in the kidney. Kuhlmann MK, et al. **Semin Nephrol** 1990 Sep;10(5):445–57 (100 ref.)

Factors controlling intracellular protein turnover in the kidney. Rabkin R, et al. **Semin Nephrol** 1990 Sep; 10(5):472–80 (67 ref.)

Energy and fuel substrate metabolism in the kidney. Silva P. **Semin Nephrol** 1990 Sep;10(5):432–44 (174 ref.)

Biosynthesis, bioactivation, and mutagenicity of S-conjugates. Dekant W, et al. **Toxicol Lett** 1990 Sep; 53(1–2):53–8 (26 ref.)

Transport of heavy metals by the kidney. Foulkes EC. **Toxicol Lett** 1990 Sep;53(1–2):29–31 (9 ref.)

Signal pathway of Na+ in fused renal epithelial cells. Oberleithner H. **Toxicol Lett** 1990 Sep;53(1–2):13–7 (7 ref.)

Renal transport and metabolism of mercapturic acids and their precursors. Silbernagl S, et al. **Toxicol Lett** 1990 Sep; 53(1–2):45–51 (31 ref.)

Transformation and transport: how does metabolic transformation change the affinity of substrates for the renal contraluminal anion and cation transporters? Ullrich KJ, et al. **Toxicol Lett** 1990 Sep;53(1–2):19–27 (16 ref.)

Calcium and the kidney--from stones to molecules. Suki WN. **Verh K Acad Geneeskd Belg** 1990;52(3):203–21; discussion 221–3 (27 ref.)

[Dosages of drugs in patients with kidney function disorders] Verresen L. **Ned Tijdschr Geneeskd** 1991 Mar 30; 135(13):547–51 (16 ref.) (Dut)

[Drug-induced hyperuricemia with decreased renal excretion of urate] Hosoya T, et al. **Nippon Rinsho** 1991 May; 49(5):1060–4 (28 ref.) (Jpn)

[Renal handling of urate and hyperuricemia due to under-excretion of urate] Itakura M. **Nippon Rinsho** 1991 May;49(5):1050–4 (22 ref.) (Jpn)

[Current theories on biotransformation and metabolism of mercury] Moszczyński P, et al. **Postepy Hig Med Dosw** 1990;44(1–3):153–80 (125 ref.) (Eng. Abstr.) (Pol)

["Silicon--metabolic aspects of its effect on human body"] Najda J, et al. **Przegl Lek** 1990;47(11):756–9 (21 ref.) (Pol)

[Nephropathies associated with disorders of oxalic acid metabolism] Iaroshevskaia OI, et al. **Pediatriia** 1990;(7):92–6 (73 ref.) (Rus)

PATHOLOGY

Discordant nephron function. A pathogenic factor in hypertension and its vascular complications of stroke and heart attack. Laragh JH. **Am J Hypertens** 1991 Jan;4(1 Pt 2):2S–6S (29 ref.)

Renal disease in the elderly: the role of the renal biopsy. Levison SP. **Am J Kidney Dis** 1990 Oct;16(4):300–6 (23 ref.)

Membranous nephropathy associated with giant lymph node hyperplasia. A case report with histological and ultrastructural studies. Ruggieri G, et al. **Am J Nephrol** 1990;10(4):323–8 (33 ref.)

Unusual case of crescentic glomerulonephritis associated with malignant lymphoma. A case report and review of the literature. Weinstein T, et al. **Am J Nephrol** 1990; 10(4):329–32 (10 ref.)

Nonspecific magnetic resonance appearance of renal oncocytomas: report of 3 cases and review of the literature. Defossez SM, et al. **J Urol** 1991 Mar;145(3):552–4 (14 ref.)

Reflux nephropathy in adults [editorial] Zucchelli P, et al. **Nephron** 1991;57(1):2–9 (64 ref.)

Human cystic kidney diseases: epithelial hyperplasia in the pathogenesis of cysts and tumors. Bernstein J, et al. **Pediatr Nephrol** 1987 Jul;1(3):393–6 (19 ref.)

Renal lesions in Cockayne syndrome. Hirooka M, et al. **Pediatr Nephrol** 1988 Apr;2(2):239–43 (13 ref.)

Nutritional factors affecting renal growth and hypertrophy. Knecht A, et al. **Semin Nephrol** 1990 Sep;10(5):464–71 (74 ref.)

[Kidney biopsy in systemic lupus erythematosus] Abergil A, et al. **Harefuah** 1991 Mar 15;120(6):333–6 (26 ref.) (Heb)

[Extracorporeal shock wave lithotripsy and biological effects of underwater shock waves] Orikasa S. **Nippon Hinyokika Gakkai Zasshi** 1991 Jul;82(7):1027–44 (48 ref.) (Eng. Abstr.) (Jpn)

[Renal damage associated with rheumatoid diseases] Ota Z, et al. **Ryumachi** 1990 Jun;30(3):212–22 (72 ref.) (Jpn)

[Mechanisms of compensatory hypertrophy of the kidney] Klin M. **Postepy Hig Med Dosw** 1990;44(1–3):85–112 (123 ref.) (Eng. Abstr.) (Pol)

[Polyuric dilatation of the urinary tract in congenital nephrogenic diabetes insipidus. Clinical and diagnostic aspects. Presentation of a case and review of the literature] Soler Fernández JM, et al. **Actas Urol Esp** 1990 Sep–Oct; 14(5):374–7 (19 ref.) (Eng. Abstr.) (Spa)

PHYSIOLOGY

Quantitative aspects of renal actions of vasopressin. Bie P. **Acta Physiol Scand Suppl** 1990;591:28–32 (11 ref.)

Renal function curves and control of body fluids and arterial pressure. Guyton AC. **Acta Physiol Scand Suppl** 1990; 591:107–13 (5 ref.)

Mechanisms of release and renal action of atrial natriuretic factor. Sonnenberg H. **Acta Physiol Scand Suppl** 1990; 591:80–7 (29 ref.)

Cytochrome P450-dependent arachidonate metabolites, renal function and blood pressure regulation. McGiff JC, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:675–82 (23 ref.)

Potential physiologic roles for epidermal growth factor in the kidney. Harris RC. **Am J Kidney Dis** 1991 Jun; 17(6):627–30 (16 ref.)

Overview: renal physiology and pathophysiology of aging. Lindeman RD. **Am J Kidney Dis** 1990 Oct;16(4):275–82 (45 ref.)

Prevention of renal disease and conservation of renal function. Schreiner GE. **Am J Kidney Dis** 1990 Oct; 16(4):360–6 (8 ref.)

Importance of neuropeptide Y in the regulation of kidney function. Persson PB, et al. **Ann N Y Acad Sci** 1990; 611:156–65 (42 ref.)

Roles of the liver and kidney in acid-base regulation and its disorders. Cohen RD. **Br J Anaesth** 1991 Aug; 67(2):154–64 (40 ref.)

Role of afferent renal nerves in the control of vasopressin secretion. Reid IA, et al. **Chin J Physiol** 1991;34(1):93–104 (45 ref.)

Role of the kidney in the pathogenesis of primary hypertension. Rettig R, et al. **Clin Exp Hypertens [A]** 1990; 12(6):957–1002 (115 ref.)

The renin-angiotensin system: renal actions and blood pressure regulation. Hall JE. **Compr Ther** 1991 May;

17(5):8–17 (12 ref.)
Calbindin–D of human small intestine and kidney. Purification, molecular properties and clinical significance. Staun M. **Dan Med Bull** 1991 Jun;38(3):271–82 (138 ref.)
Relation between sodium intake, renal function, and the regulation of arterial pressure. Osborn JL. **Hypertension** 1991 Jan;17(1 Suppl):I91–6 (26 ref.)
Adenosine receptors and signaling in the kidney. Spielman WS, et al. **Hypertension** 1991 Feb;17(2):117–30 (102 ref.)
Physiological modulation of renal function by the renal dopaminergic system. Carey RM, et al.
J Auton Pharmacol 1990;10 Suppl 1:s47–51 (12 ref.)
Local hormones in the kidney: protectors of the kidney against the body? Argent NB, et al. **J Endocrinol** 1990 Sep; 126(3):351–4 (27 ref.)
Role of organic osmolytes in adaptation of renal cells to high osmolality. Garcia–Perez A, et al. **J Membr Biol** 1991 Jan; 119(1):1–13 (73 ref.)
Hyperfiltration–induced renal injury in normal man: myth or reality. Steckler RE, et al. **J Urol** 1990 Dec; 144(6):1323–7 (67 ref.)
Renal control of extracellular calcium. Rouse D, et al.
Kidney Int 1990 Oct;38(4):700–8 (126 ref.)
Structural properties of vacuolar proton pumps. Stone DK, et al. **Kidney Int** 1990 Oct;38(4):649–53 (47 ref.)
Intra–renal interactions between angiotensin II and atrial natriuretic factor. Harris PJ, et al. **Kidney Int Suppl** 1990 Nov;30:S87–91 (24 ref.)
The renin–angiotensin system and renal function in kidney transplantation. Mimran A, et al. **Kidney Int Suppl** 1990 Nov;30:S114–7 (19 ref.)
Adenosine mediates tubuloglomerular feedback response: an element of metabolic control of kidney function. Osswald H, et al. **Kidney Int Suppl** 1991 Jun;32:S128–31 (43 ref.)
Renal functional reserve. Amiel C, et al.
Nephrol Dial Transplant 1990;5(9):763–70 (95 ref.)
Use and misuse of the renal functional reserve concept in clinical nephrology. Zuccalà A, et al.
Nephrol Dial Transplant 1990;5(6):410–7 (97 ref.)
Polypeptide growth factors and the kidney: a developmental perspective. Avner ED. **Pediatr Nephrol** 1990 Jul; 4(4):345–53 (131 ref.)
Renal regulation of salt balance: a primer for non–purists. Sonnenberg H. **Pediatr Nephrol** 1990 Jul;4(4):354–7 (21 ref.)
Perspectives in physiology: cell growth. Spitzer A.
Pediatr Nephrol 1987 Apr;1(2):230–7 (36 ref.)
Role of ionic currents in the physiological response to angiotensin II. Palant CE, et al. **Renal Physiol Biochem** 1991 Jul–Oct;14(4–5):186–98 (64 ref.)
Blood pressure control—special role of the kidneys and body fluids. Guyton AC. **Science** 1991 Jun 28;252(5014):1813–6 (35 ref.)
NMR: a tool for studying renal function and nephrotoxicity. Ross BD, et al. **Toxicol Lett** 1990 Sep;53(1–2):9–12 (5 ref.)
Prostaglandins, the kidney, and hypertension [see comments] Wilson TW, et al. **West J Med** 1990 Aug;153(2):168–72 (67 ref.) Comment in: West J Med 1990 Aug;153(2):194–5.
[Renal senescence] Meyrier A.
Ann Cardiol Angeiol (Paris) 1991 May;40(5):309–15 (19 ref.) **(Fre)**
[Renal function and aging] Mimran A. **Nephrologie** 1990; 11(5):275–80 (47 ref.) (Eng. Abstr.) **(Fre)**
[The effect of mechanical ventilation on kidney and liver function] Peters J. **Klin Anasthesiol Intensivther** 1991; 39:364–78 (46 ref.) **(Ger)**
[Changes in the water–electrolyte balance and kidney function in the elderly] Sugino N. **Masui** 1991 Jun; 40(6):864–7 (5 ref.) **(Jpn)**
[Glomerular function and renal functional reserve] Ueno A, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Dec; 81(12):1787–99 (94 ref.) (Eng. Abstr.) **(Jpn)**
[Atrial natriuretic peptide in humans—its structure, metabolism and biological activity. Summary of the actual state of knowledge] Szurkowski M, et al. **Pol Tyg Lek** 1990 Nov 5–12;45(45–46):891–4 (43 ref.) **(Pol)**
[Functional status of the kidneys in uncomplicated pregnancy] Khramova LS. **Akush Ginekol (Mosk)** 1991 Jan; (1):3–6 (61 ref.) **(Rus)**

PHYSIOPATHOLOGY

The aging hypertensive kidney: pathophysiology and therapeutic options. Bauer JH, et al. **Am J Med** 1991 Apr 25;90(4B):21S–27S (74 ref.)
The pathogenesis of hypertension: black–white differences. Blaustein MP, et al. **Cardiovasc Clin** 1991;21(3):97–114 (78 ref.)
The primary role of the kidney and salt intake in the aetiology of essential hypertension: Part II [see comments] de Wardener HE. **Clin Sci** 1990 Oct;79(4):289–97 (135 ref.) Comment in: Clin Sci 1991 Apr;80(4):401–2.
Renal mechanisms in heart failure. Birkenhäger WH, et al. **Herz** 1991 Apr;16(2):61–7 (53 ref.) **(Eng, Ger)**
Kidney, salt intake, and Na+,K(+)-ATPase inhibitors in hypertension. 1990 Corcoran Lecture. de Wardener HE. **Hypertension** 1991 Jun;17(6 Pt 2):830–6 (86 ref.)
Role of dopaminergic mechanisms in the kidney for the pathogenesis of hypertension. Yoshimura M, et al.
J Auton Pharmacol 1990;10 Suppl 1:s67–72 (19 ref.)
Hypertension and the kidney. Hanna JD, et al. **J Pediatr** 1991 Mar;118(3):327–40 (57 ref.)
Renal involvement in urinary tract infection. Svanborg C, et al. **Kidney Int** 1991 Mar;39(3):541–9 (131 ref.)
Influences of angiotensin on renal function in renal vascular hypertension. Ploth DW. **Kidney Int Suppl** 1990 Nov; 30:S97–101 (27 ref.)
Counterbalance in functional adaptation to ureteral obstruction during development. Chevalier RL.
Pediatr Nephrol 1990 Jul;4(4):442–4 (16 ref.)
Effects of obstruction on renal functions. Klahr S, et al.
Pediatr Nephrol 1988 Jan;2(1):34–42 (60 ref.)
Intra– and extrarenal factors of oedema formation in the nephrotic syndrome. Tulassay T, et al. **Pediatr Nephrol** 1989 Jan;3(1):92–100 (79 ref.)
Adaptation to acid–base disorders: insight into the mechanisms as derived from vesicles studies. Arruda JA, et al. **Semin Nephrol** 1991 Jan;11(1):65–72 (41 ref.)
Renal effects of dietary protein excess and deprivation. Benabe JE, et al. **Semin Nephrol** 1991 Mar;11(2):76–85 (81 ref.)
Pathophysiology of obstructive nephropathy: a 1991 update. Klahr S. **Semin Nephrol** 1991 Mar;11(2):156–68 (68 ref.)
Pathophysiology of the renal tubular acidoses. Sabatini S, et al. **Semin Nephrol** 1991 Mar;11(2):202–11 (82 ref.)
Treatment of diabetic nephropathy: a rational approach based on its pathophysiology. Tuttle KR, et al.
Semin Nephrol 1991 Mar;11(2):220–35 (149 ref.)
[Prostaglandins, liver cirrhosis and kidney function] Vladov V, et al. **Vutr Boles** 1991;30(2):28–36 (24 ref.) **(Bul)**
[Role of prostaglandins in regulation of kidney function in heart failure] Riegger AJ. **Herz** 1991 Apr;16(2):116–23 (26 ref.) (Eng. Abstr.) **(Ger)**
[Evaluation of renal function in chronic renal disease with special reference to creatinine] Sugino N.
Nippon Jinzo Gakkai Shi 1990 Jul;32(7):745–50 (30 ref.) (Eng. Abstr.) **(Jpn)**
[Etiopathogenesis of early stages of diabetic nephropathy] Pynka S, et al. **Pol Tyg Lek** 1990 Oct 1–8;45(40–41):830–5 (58 ref.) **(Pol)**
[Endocrine disorders in patients with chronic renal failure] Więcek A, et al. **Postepy Hig Med Dosw** 1989; 43(5–6):423–51 (284 ref.) **(Pol)**
[Rehabilitation of patients after allogeneic kidney transplantation] Belorusov OS, et al. **Khirurgiia (Mosk)** 1990 Sep;(9):157–60 (36 ref.) **(Rus)**
[Functional adaptation of solitary kidney] Bosin VIu, et al. **Sov Med** 1990;(8):40–3 (60 ref.) **(Rus)**

RADIONUCLIDE IMAGING

The radionuclide renal scan: past, present and future. Freeman LM. **Contrib Nephrol** 1990;79:87–98 (40 ref.)
Radionuclide renal studies. Abdel–Dayem HM, et al.
Curr Opin Radiol 1990 Dec;2(6):834–43 (38 ref.)
Quantification of renal haemodynamics with radionuclides. Peters AM. **Eur J Nucl Med** 1991;18(4):274–86 (102 ref.)
Procedures of choice in renal nuclear medicine. Blaufox MD. **J Nucl Med** 1991 Jun;32(6):1301–9 (31 ref.)
Imaging the kidneys and urinary tract in the neonate with acute renal failure. Gordon I, et al. **Pediatr Nephrol** 1987 Jul;1(3):321–9 (53 ref.)
Kidney scintigraphy. Twardock AR, et al.
Semin Vet Med Surg (Small Anim) 1991 May;6(2):164–9 (26 ref.)
[Use of radioisotopes in urology] Sedlak–Vadoc V, et al.
Med Pregl 1990;43(9–10):403–8 (25 ref.) (Eng. Abstr.) **(Scr)**

SECRETION

Morphology, physiology, and molecular biology of renin secretion. Hackenthal E, et al. **Physiol Rev** 1990 Oct; 70(4):1067–116 (779 ref.)

SURGERY

[Extracorporeal renovascular surgery] Haddad M, et al.
Harefuah 1990 Jul;119(1–2):28–31 (62 ref.) **(Heb)**

ULTRASONOGRAPHY

Examination of native kidneys with duplex Doppler ultrasound. Platt JF, et al. **Semin Ultrasound CT MR** 1991 Aug;12(4):308–18 (37 ref.)
Renal transplant ultrasound: imaging and Doppler. Pozniak MA, et al. **Semin Ultrasound CT MR** 1991 Aug; 12(4):319–34 (71 ref.)
Doppler examination of the kidney in infants and children. Patriquin H. **Urol Radiol** 1991;12(4):220–7 (25 ref.)
[Ultrasonography in medical nephropathies] Cammarota T, et al. **Radiol Med (Torino)** 1991 Jun;81(6):873–81 (16 ref.) **(Ita)**

ULTRASTRUCTURE

Kidney structure investigations using scanning electron microscopy of corrosion casts—a state of the art review. Ditrich H, et al. **Scanning Microsc** 1990 Dec;4(4):943–56 (92 ref.)
Conventional and high resolution scanning electron microscopy of biological sectioned material. Scala C, et al. **Scanning Microsc** 1991 Mar;5(1):135–44; discussion 144–5 (13 ref.)
[Pathomechanism of the development of chronic obliterative transplantation arteriopathy in human kidney allografts] Nádasdy T, et al. **Morphol Igazsagugyi Orv Sz** 1990 Jul; 30(3):208–19 (42 ref.) (Eng. Abstr.) **(Hun)**

KIDNEY, ARTIFICIAL

see related
HEMODIALYSIS
PERITONEAL DIALYSIS

New trends of dialysis therapy from the 1990s to the 21st century. Sugino N, et al. **Contrib Nephrol** 1990;82:107–11 (5 ref.)
Biocompatibility of hemodialysis membranes. Cheung AK. **J Am Soc Nephrol** 1990 Aug;1(2):150–61 (85 ref.)

KIDNEY BEAN LECTINS see **PHYTOHEMAGGLUTININS**

KIDNEY–BRUSH–BORDER NEUTRAL PROTEINASE see **MEMBRANE METALLO–ENDOPEPTIDASE**

KIDNEY CALCULI

CHEMISTRY

Protein inhibitors of crystallization. Coe FI, et al.
Semin Nephrol 1991 Mar;11(2):98–109 (26 ref.)
Prophylaxis of uric acid and cystine stones. Hess B.
Urol Res 1990;18 Suppl 1:S41–4 (30 ref.)
[Silica calculi: a case report] Nishikawa Y, et al.
Hinyokika Kiyo 1991 Jun;37(6):625–7 (19 ref.) (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

[A case of Menkes' kinky hair disease with a renal calculus and diverticula of the bladder] Iuchi H, et al.
Nippon Hinyokika Gakkai Zasshi 1991 Jun;82(6):994–7 (9 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Clinical and laboratory evaluation of renal stone patients. Wilson DM. **Endocrinol Metab Clin North Am** 1990 Dec; 19(4):773–803 (108 ref.)
Clinical investigations. Hering F. **Urol Res** 1990;18 Suppl 1:S31–5 (18 ref.)
[Milk of calcium syndrome: a diagnosis to be made before the scheduling of lithotripsy. Consideration apropos of 6 cases] Ouegnin GA, et al. **Ann Urol (Paris)** 1990;24(7):552–7 (21 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

The role of diet in the pathogenesis and therapy of nephrolithiasis. Goldfarb S.
Endocrinol Metab Clin North Am 1990 Dec;19(4):805–20 (66 ref.)
[Nephropathies associated with disorders of oxalic acid metabolism] Iaroshevskaia OI, et al. **Pediatriia** 1990;(7):92–6 (73 ref.) **(Rus)**

GENETICS

Hereditary aspects of calcium nephrolithiasis. Coe FL, et al. **Adv Nephrol Necker Hosp** 1991;20:31–40 (43 ref.)
[Family studies in idiopathic hypercalciuria] Harangi F.
Orv Hetil 1991 Jun 16;132(24):1309–12 (23 ref.) (Eng. Abstr.) **(Hun)**

IMMUNOLOGY

[The immune status of patients with chronic calculous pyelonephritis and the possibilities for the correction of its disorders] Lozinskiĭ MV, et al. **Urol Nefrol (Mosk)** 1991 May–Jun;(3):70–5 (110 ref.) **(Rus)**

PHYSIOPATHOLOGY

[Pathophysiology and clinical significance of obstructive nephropathy] Oesterwitz H. **Z Urol Nephrol** 1990 Jun; 83(6):285–9 (16 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Prophylaxis of infection–induced kidney stone formation. Hess B. **Urol Res** 1990;18 Suppl 1:S45–8 (32 ref.)

SURGERY

Current surgical approaches to nephrolithiasis. Segura JW. **Endocrinol Metab Clin North Am** 1990 Dec;19(4):919–35 (20 ref.)

THERAPY

Shock wave–induced pancreatic trauma. Mullen KD, et al. **Am J Gastroenterol** 1991 May;86(5):630–2 (15 ref.)
Treatment of renal calculi in the elderly. Kandel LB.
Am J Kidney Dis 1990 Oct;16(4):329–31 (12 ref.)
Kidney stones and lithotripters: critical analysis of the introduction of extracorporeal shock wave lithotripsy into Canada [see comments] Wiser LC, et al.
Can Med Assoc J 1990 Dec 15;143(12):1299–303 (51 ref.) Comment in: Can Med Assoc J 1991 Mar 15;144(6):632, 637. Comment in: Can Med Assoc J 1991 Mar 15;144(6):637–8.
Therapeutic dilemmas in management of cystine calculi. Singer A, et al. **Urology** 1991 Apr;37(4):322–6 (46 ref.)
[Exclusive piezoelectric lithotripsy in the treatment of calculi larger than 30 mm (partial or complete coralliform, pyelic

calculi)] Amiel JA, et al. **Ann Urol (Paris)** 1990; 24(4):317–21 (5 ref.) (Eng. Abstr.) **(Fre)**

[Standardized in vitro models for the characterization of shockwaves] Brümmer F, et al. **Biomed Tech (Berlin)** 1990; 35 Suppl 3:237–8 (21 ref.) **(Ger)**

[10 years extracorporeal shockwave lithotripsy--progress in shockwave technology] Forssmann B, et al. **Biomed Tech (Berlin)** 1990;35 Suppl 3:230–2 (12 ref.) **(Ger)**

[Overview of therapy for urolithiasis] Brien G. **Z Arztl Fortbild (Jena)** 1991 May 10;85(9):399–404 (13 ref.) **(Ger)**

[Experience with ESWL treatment of giant kidney and ureteral calculi (based on 1400 cases)] Kovács A, et al. **Orv Hetil** 1990 Dec 30;131(52):2873–5 (13 ref.) (Eng. Abstr.) **(Hun)**

URINE

Hypercalciuria and stones. Lemann J Jr, et al. **Am J Kidney Dis** 1991 Apr;17(4):386–91 (74 ref.)

[Urolithiasis in 2,8–dihydroxyadeninuria: presentation of 3 additional cases] Leusmann DB, et al. **Z Urol Nephrol** 1990 Jul;83(7):383–9 (22 ref.) (Eng. Abstr.) **(Ger)**

[The significance of hypocituria in calcium oxalate induced nephrolithiasis] Horváth C, et al. **Orv Hetil** 1990 Nov 11; 131(45):2475–8 (37 ref.) (Eng. Abstr.) **(Hun)**

KIDNEY CALICES

[Epithelial tumors of the upper urinary tract] Pérez Garnelo MJ, et al. **Actas Urol Esp** 1991 Jan–Feb;15(1):18–24 (41 ref.) (Eng. Abstr.) **(Spa)**

KIDNEY CIRCULATION see **RENAL CIRCULATION**

KIDNEY COLLECTING DUCTS see **KIDNEY TUBULES, COLLECTING**

KIDNEY CONCENTRATING ABILITY

Vasopressin and urinary concentration: additional risk factors in the progression of chronic renal failure. Bankir L, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):20–6 (25 ref.)

PHYSIOLOGY

Defenses of an unstable compromise: crystallization inhibitors and the kidney's role in mineral regulation. Coe F, et al. **Kidney Int** 1990 Oct;38(4):625–31 (24 ref.)

Countercurrent system. Sands JM, et al. **Kidney Int** 1990 Oct; 38(4):695–9 (64 ref.)

Role of the thick ascending limb and inner medullary collecting duct in the regulation of urinary acidification. DuBose TD Jr, et al. **Semin Nephrol** 1991 Mar;11(2):120–8 (62 ref.)

KIDNEY CORTEX

METABOLISM

Erythropoietin production: a personal view. Rich IN. **Exp Hematol** 1991 Oct;19(9):985–90 (7 ref.)

Triple signal transduction model for the mechanism of PGE2 actions in rabbit cortical collecting duct. Hébert RL, et al. **Prostaglandins Leukot Essent Fatty Acids** 1991 Mar; 42(3):143–8 (36 ref.)

Properties of the renal Na(+)–HCO3– cotransporter. Aronson PS, et al. **Semin Nephrol** 1991 Jan;11(1):28–36 (17 ref.)

KIDNEY, CYSTIC

CHEMICALLY INDUCED

Phthalate esters, cystic kidney disease in animals and possible effects on human health: a review. Woodward KN. **Hum Exp Toxicol** 1990 Nov;9(6):397–401 (63 ref.)

CLASSIFICATION

Renal cysts in pediatric patients. A classification and overview. Kissane JM. **Pediatr Nephrol** 1990 Jan;4(1):69–77 (48 ref.)

COMPLICATIONS

[A case of infected solitary renal cyst treated with percutaneous puncture and drainage] Koh E, et al. **Hinyokika Kiyo** 1991 Apr;37(4):381–4 (46 ref.) (Eng. Abstr.) **(Jpn)**

[Right thoracic kidney with simple renal cyst: report of a case] Shimura S, et al. **Hinyokika Kiyo** 1990 Nov; 36(11):1321–4 (6 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Recent advances in magnetic resonance imaging of renal masses. Lee JK. **Can Assoc Radiol J** 1991 Jun;42(3):185–9 (9 ref.)

Current status of imaging indeterminate renal masses. Hartman DS, et al. **Radiol Clin North Am** 1991 May; 29(3):475–96 (56 ref.)

Renal cystic disease. Hayden CK Jr, et al. **Semin Ultrasound CT MR** 1991 Aug;12(4):361–73 (29 ref.)

Acute renal infections. Thornbury JR. **Urol Radiol** 1991; 12(4):209–13 (7 ref.)

[Diagnosis and therapy of single kidney cysts] Winter P, et al. **Z Urol Nephrol** 1990 Aug;83(8):411–7 (23 ref.) (Eng. Abstr.) **(Ger)**

[Multilocular cystic renal cell carcinoma: report of a case] Kim CJ, et al. **Hinyokika Kiyo** 1991 Feb;37(2):163–7 (30 ref.) (Eng. Abstr.) **(Jpn)**

[Benign hemorrhagic renal cyst: a case report] Kobayashi Y, et al. **Hinyokika Kiyo** 1991 Jun;37(6):621–4 (12 ref.) (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Human cystic kidney diseases: epithelial hyperplasia in the pathogenesis of cysts and tumors. Bernstein J, et al. **Pediatr Nephrol** 1987 Jul;1(3):393–6 (19 ref.)

GENETICS

The cerebro–reno–digital syndromes: a new community. Lurie IW, et al. **Clin Genet** 1991 Feb;39(2):104–13 (34 ref.)

Genetics of cystic kidney diseases. Criteria for classification and genetic counselling. Zerres K. **Pediatr Nephrol** 1987 Jul;1(3):397–404 (41 ref.)

PATHOLOGY

Multilocular cysts of kidney. A study of 29 patients and review of literature. Castillo OA, et al. **Urology** 1991 Feb; 37(2):156–62 (83 ref.)

[Cystic nephroma: report of two cases and review of literature] Leva G, et al. **Arch Ital Urol Nefrol Androl** 1990 Sep;62(3):317–22 (15 ref.) (Eng. Abstr.) **(Ita)**

KIDNEY DISEASES

Hypertensive renal damage. Weir MR, et al. **Cardiovasc Clin** 1991;21(3):115–32 (120 ref.)

New developments in pediatric nephrology. Chevalier RL. **Curr Probl Pediatr** 1991 Apr;21(4):121–8 (48 ref.)

Urology. Hohenfellner R, et al. **Pediatr Nephrol** 1987 Jul; 1(3):374–8 (7 ref.)

CHEMICALLY INDUCED

Aminoglycoside–induced renal phospholipidosis and nephrotoxicity. Laurent G, et al. **Biochem Pharmacol** 1990 Dec 1;40(11):2383–92 (95 ref.)

Assessment of chemotherapy–associated nephrotoxicity in children with cancer. Skinner R, et al. **Cancer Chemother Pharmacol** 1991;28(2):81–92 (82 ref.)

Renal proximal tubular cells in suspension or in primary culture as in vitro models to study nephrotoxicity. Boogaard PJ, et al. **Chem Biol Interact** 1990;76(3):251–91 (261 ref.)

Cyclosporine nephrotoxicity--experimental models. Thliveris JA, et al. **Clin Biochem** 1991 Feb;24(1):93–5 (23 ref.)

Contrast nephropathy. Thomsen HS. **Curr Opin Radiol** 1990 Dec;2(6):793–802 (40 ref.)

Sodium loading treatment for amphotericin B–induced nephrotoxicity. Gardner ML, et al. **DICP** 1990 Oct; 24(10):940–6 (26 ref.)

Drug–induced nephrotoxicity. Aetiology, clinical features and management. Hoitsma AJ, et al. **Drug Saf** 1991 Mar–Apr;6(2):131–47 (152 ref.)

Renal mineralization--a ubiquitous lesion in chronic rat studies. Lord GH, et al. **Food Chem Toxicol** 1990 Jun; 28(6):449–55 (45 ref.)

Nonsteroidal anti–inflammatory drugs: effects on kidney function. Whelton A, et al. **J Clin Pharmacol** 1991 Jul; 31(7):588–98 (55 ref.)

Paracetamol, nonsteroidal antiinflammatory drugs and nephrotoxicity. Walker RJ. **N Z Med J** 1991 May 8; 104(911):182–3 (24 ref.)

Does lead play a role in the development of chronic renal disease? Nuyts GD, et al. **Nephrol Dial Transplant** 1991; 6(5):307–15 (64 ref.)

The pathophysiology of Sandimmune (cyclosporine) in man and animals. Mason J. **Pediatr Nephrol** 1990 Sep;4(5):554–74 (250 ref.)

Drug–induced renal toxicity. Help in recognizing offending agents. Farrugia E, et al. **Postgrad Med** 1991 Aug; 90(2):241–4, 247–8 (15 ref.)

Aminoglycosides: assessing the potential for nephrotoxicity. Wilson SE. **Surg Gynecol Obstet** 1990;171 Suppl:24–30 (17 ref.)

Renal toxicity of antineoplastic agents. Borch RF, et al. **Toxicol Lett** 1990 Sep;53(1–2):93–6 (11 ref.)

Involvement of tubular transport processes in nephrotoxicity. Bräunlich H. **Toxicol Lett** 1990 Sep;53(1–2):223–4 (6 ref.)

Morphology of renal tubular damage from nephrotoxins. Pfaller W, et al. **Toxicol Lett** 1990 Sep;53(1–2):39–43 (22 ref.)

[Renal tolerance of iodinated low osmolality contrast agents. Clinical and experimental aspects] Deray G, et al. **J Radiol** 1990 Jun–Jul;71(6–7):439–44 (31 ref.) (Eng. Abstr.) **(Fre)**

[Renal complications due to non–steroidal anti–inflammatory drugs: mechanism and clinical implications] Wauters JP. **Schweiz Med Wochenschr** 1991 Apr 13;121(15):513–6 (26 ref.) (Eng. Abstr.) **(Fre)**

[Renal incompatibility with antibacterial drugs: diagnosis and preventive measures] Andrassy K. **Infection** 1991;19 Suppl 1:S25–8 (8 ref.) (Eng. Abstr.) **(Ger)**

[Nephrotoxicity of aminoglycosides] Pupek–Musialik D. **Postepy Hig Med Dosw** 1990;44(4–6):255–78 (107 ref.) (Eng. Abstr.) **(Pol)**

[Early detection of the nephrotoxic effect of aminoglycosides] Tenerowicz R, et al. **Przegl Lek** 1990; 47(7):565–7 (0 ref.) **(Pol)**

[Complications of the treatment with non–steroidal anti–inflammatory drugs] Gritsiuk AI, et al. **Sov Med** 1990; (10):39–43 (55 ref.) **(Rus)**

CLASSIFICATION

[Ultrasonography in medical nephropathies] Cammarota T, et al. **Radiol Med (Torino)** 1991 Jun;81(6):873–81 (16 ref.) **(Ita)**

COMPLICATIONS

Chronic nonendocrine diseases with growth impairment; is growth hormone of therapeutic value? Moël C. **Acta Paediatr Scand Suppl** 1989;362:69–71 (22 ref.)

Hyperlipidaemia and renal disease. Short CD, et al. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):777–806 (220 ref.)

Cardiac, ocular, and renal manifestations of seronegative spondyloarthropathies. Youssef W, et al. **Curr Opin Rheumatol** 1990 Aug;2(4):582–5 (5 ref.)

Hypertension with co–existing renal disease. Bauer JH, et al. **J Hum Hypertens** 1990 Dec;4 Suppl 5:27–34 (102 ref.)

Renal mucormycosis: a case report and review of the literature. Davila RM, et al. **J Urol** 1991 Jun;145(6):1242–4 (12 ref.)

[HIV infection and the kidneys] Geiger H. **Dtsch Med Wochenschr** 1991 May 24;116(21):825–31 (83 ref.) **(Ger)**

[Extracardiac risk factors in heart surgery--the kidney] Grabensee B, et al. **Z Kardiol** 1990;79 Suppl 4:47–57 (49 ref.) (Eng. Abstr.) **(Ger)**

CONGENITAL

The small scarred kidney of childhood. A congenital or an acquired lesion? Risdon RA. **Pediatr Nephrol** 1987 Oct; 1(4):632–7 (41 ref.)

DIAGNOSIS

Renal disease in the elderly: the role of the renal biopsy. Levison SP. **Am J Kidney Dis** 1990 Oct;16(4):300–6 (23 ref.)

The role of the laboratory in evaluation of kidney function. Cohen EP, et al. **Clin Chem** 1991 Jun;37(6):785–96 (58 ref.)

Diagnostic workup of renal disorders. Santos F, et al. **Curr Probl Pediatr** 1991 Feb;21(2):48–74; discussion 75 (143 ref.)

Cutaneous clues to renal disease. Mazuryk HA, et al. **Cutis** 1991 Apr;47(4):241–8 (18 ref.)

Diagnostic significance of hypocomplementemia [editorial] Hebert LA, et al. **Kidney Int** 1991 May;39(5):811–21 (138 ref.)

Preoperative evaluation of the patient with chronic renal disease. Gilbert PL, et al. **Mt Sinai J Med** 1991 Jan; 58(1):69–74 (30 ref.)

The application of molecular biology to the prenatal diagnosis of renal disease. Flinter FA, et al. **Pediatr Nephrol** 1988 Jul;2(3):343–50 (37 ref.)

Prenatal diagnosis of inborn errors of metabolism with renal manifestations. Harms E. **Pediatr Nephrol** 1987 Jul; 1(3):540–5 (40 ref.)

Upper urinary tract infection: the current role of CT, ultrasound, and MRI. Goldman SM, et al. **Semin Ultrasound CT MR** 1991 Aug;12(4):335–60 (68 ref.)

Imaging of neonatal renal masses. Fernbach SK. **Urol Radiol** 1991;12(4):214–9 (12 ref.)

Acute renal infections. Thornbury JR. **Urol Radiol** 1991; 12(4):209–13 (7 ref.)

[Milk of calcium syndrome: a diagnosis to be made before the scheduling of lithotripsy. Consideration apropos of 6 cases] Ouegnin GA, et al. **Ann Urol (Paris)** 1990;24(7):552–7 (21 ref.) (Eng. Abstr.) **(Fre)**

[Pulmonary renal syndrome. Favorable prognosis of immunologically mediated diseases through adequate diagnosis and therapy] Heidbreder E, et al. **Dtsch Med Wochenschr** 1991 Feb 8;116(6):223–9 (38 ref.) **(Ger)**

[Benign hemorrhagic renal cyst: a case report] Kobayashi Y, et al. **Hinyokika Kiyo** 1991 Jun;37(6):621–4 (12 ref.) (Eng. Abstr.) **(Jpn)**

[A case of malakoplakia of the kidney and urinary bladder] Kubo M, et al. **Hinyokika Kiyo** 1991 Feb;37(2):169–73 (30 ref.) (Eng. Abstr.) **(Jpn)**

[Laboratory diagnosis of renal changes caused by occupational chemical factors] Hanke J, et al. **Wiad Lek** 1990 Jun 15;43(12):583–9 (25 ref.) (Eng. Abstr.) **(Pol)**

DIET THERAPY

Effect of dietary prostaglandin precursors on the progression of renal disease in animals. Barcelli UO. **Kidney Int Suppl** 1991 Apr;31:S57–64 (20 ref.)

Dietary treatment of immunologically mediated renal disease. Schreiner GF. **Kidney Int Suppl** 1991 Apr;31:S49–56 (117 ref.)

DRUG THERAPY

Antiplatelet agents: effects on the progressive renal disease. Zoja C, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):98–102 (35 ref.)

Improvement of cadaver renal transplantation outcomes with verapamil: a review. Dawidson I, et al. **Am J Med** 1991 May 17;90(5A):37S–41S (8 ref.)

Therapeutic implications of lipid-lowering agents in the progression of renal disease. Keane WF, et al. **Am J Med** 1989 Nov;87(5N):21N–24N (42 ref.)

Therapeutic benefits of calcium channel blockers in cyclosporine-treated organ transplant recipients: blood pressure control and immunosuppression. Weir MR. **Am J Med** 1991 May 17;90(5A):32S–36S (27 ref.)

Use of angiotensin-converting-enzyme inhibitors in the management of renal disease. Asher JP, et al. **Clin Pharm** 1991 Jan;10(1):25–31 (36 ref.)

Use of nondepolarizing neuromuscular blocking agents in mechanically ventilated patients. Buck ML, et al. **Clin Pharm** 1991 Jan;10(1):32–48 (203 ref.)

Angiotensin-converting enzyme inhibition in renal and hypertensive disorders. Götz R, et al. **Clin Physiol Biochem** 1990;8 Suppl 1:25–32 (50 ref.)

Sodium loading treatment for amphotericin B-induced nephrotoxicity. Gardner ML, et al. **DICP** 1990 Oct; 24(10):940–6 (26 ref.)

Effects of different converting-enzyme inhibitors on the course of non-diabetic glomerulopathies. Bernheim J. **Nephrol Dial Transplant** 1990;5(10):837–40 (49 ref.)

[Angiotensin-converting enzyme inhibitors in the diagnosis and treatment of kidney diseases] Dzúrik R, et al. **Vnitr Lek** 1991 Jun;37(6):612–9 (43 ref.) (Eng. Abstr.) **(Slo)**

[Erythropoietin is highly effective in renal anemia but should be prescribed with caution] Bárány P. **Lakartidningen** 1991 Sep 4;88(36):2855–7 (15 ref.) **(Swe)**

ENZYMOLOGY

[The diagnostic value of studying the N-acetyl-beta-D-glucosaminidase activity in urine (review of the literature)] Babaeva NI, et al. **Lab Delo** 1991;(1):9–16 (54 ref.) **(Rus)**

[Urinary enzymes and their importance for the diagnosis of kidney lesions (review of the literature)] Lavrenova TP. **Lab Delo** 1990;(7):4–10 (47 ref.) **(Rus)**

EPIDEMIOLOGY

Microalbuminuria: studies in diabetes, essential hypertension, and renal diseases as compared with the background population. Mogensen CE, et al. **Adv Nephrol Necker Hosp** 1991;20:191–228 (65 ref.)

Pediatric renal problems in India. Srivastava RN. **Pediatr Nephrol** 1987 Apr;1(2):238–44 (22 ref.)

ETIOLOGY

Susceptibility of Henle's loop to hypoxic and toxic insults. Brezis M, et al. **Adv Nephrol Necker Hosp** 1991;20:41–56 (35 ref.)

Transgenic mice in renal research. Striker LJ, et al. **Adv Nephrol Necker Hosp** 1991;20:91–108 (63 ref.)

The kidney in systemic diseases: Part I—Infectious, hematologic, and malignant liver and metabolic diseases. Alon U, et al. **Adv Pediatr** 1990;37:207–60 (504 ref.)

The role of hypertension in the progression of renal diseases. Campese VM, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):43–7 (59 ref.)

Nutritional causes of renal impairment in old age. Rudman D, et al. **Am J Kidney Dis** 1990 Oct;16(4):289–95 (71 ref.)

Glomerular structures and lipids in progressive renal disease. Moorhead JF, et al. **Am J Med** 1989 Nov;87(5N):12N–20N (75 ref.)

Irrepressible renal colic from spontaneous subcapsular hematoma as a sign of presentation of renal neoplasia. Case report and review of the literature. Fornarola V, et al. **Arch Esp Urol** 1990 Sep;43(7):801–5 (16 ref.)

Renal and ocular manifestations of hypertensive diseases of pregnancy. Seidman DS, et al. **Obstet Gynecol Surv** 1991 Feb;46(2):71–6 (57 ref.)

Type I glycogen storage disease: kidney involvement, pathogenesis and its treatment. Chen YT. **Pediatr Nephrol** 1991 Jan;5(1):71–6 (57 ref.)

Vesico-uretero-renal reflux and the kidney. Olbing H. **Pediatr Nephrol** 1987 Oct;1(4):638–46 (74 ref.)

Diet and kidney disease: the role of dietary fatty acids. Schreiner GF, et al. **Proc Soc Exp Biol Med** 1991 May; 197(1):1–11 (113 ref.)

Renal disorders in rheumatoid arthritis. Boers M. **Semin Arthritis Rheum** 1990 Aug;20(1):57–68 (146 ref.)

[Gouty nephropathy] Ikeda H, et al. **Nippon Rinsho** 1991 May;49(5):1131–6 (15 ref.) **(Jpn)**

[Clinical findings and pathogenesis of renal impairment in hyperuricemia] Kagami T. **Nippon Rinsho** 1991 May; 49(5):1074–80 (15 ref.) **(Jpn)**

[Tamm-Horsfall protein: its pathogenetic role and clinical significance in urologic and nephrologic diseases] Maidannik VG, et al. **Urol Nefrol (Mosk)** 1990 Sep–Oct; (5):69–74 (61 ref.) **(Rus)**

[The kidney in ankylosing spondylitis] Ortiz Arduan A, et al. **An Med Interna** 1990 Oct;7(10):539–42 (65 ref.) **(Spa)**

GENETICS

Familial hematuric nephropathy: a review of thirty-four personal cases. Boggi R, et al. **Contrib Nephrol** 1990; 80:101–6 (23 ref.)

Hypomagnesaemia of hereditary renal origin. Rodríguez-Soriano J, et al. **Pediatr Nephrol** 1987 Jul; 1(3):465–72 (39 ref.)

IMMUNOLOGY

Renal disease and vasculitis. Cameron JS. **Pediatr Nephrol** 1988 Oct;2(4):490–7 (63 ref.)

Immunology. Schnaper HW. **Pediatr Nephrol** 1987 Jul; 1(3):367–73 (14 ref.)

Immunology. Schnaper HW. **Pediatr Nephrol** 1987 Jan; 1(1):119–23 (7 ref.)

[What is the role of autoimmune processes in nephropathies?] Ehrich JH, et al. **Monatsschr Kinderheilkd** 1990 Nov; 138(11):724–9 (32 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Pharmacokinetics of newer drugs in patients with renal impairment (Part I). Fillastre JP, et al. **Clin Pharmacokinet** 1991 Apr;20(4):293–310 (98 ref.)

Reactive oxygen and glomerular dysfunction. Iwasaki K. **Xenobiotica** 1990 Sep;20(9):909–14 (7 ref.)

[The effect of disease on pharmacokinetics of drugs. 1. Kidney diseases] Pfeifer S. **Pharmazie** 1991 May; 46(5):305–27 (398 ref.) **(Ger)**

[Oxalic acid metabolic disorder in kidney diseases] Nelko EM, et al. **Vrach Delo** 1991 May;(5):25–8 (45 ref.) **(Rus)**

MICROBIOLOGY

Neonatal renal abscess caused by Staphylococcus aureus. Dougherty FE, et al. **Pediatr Infect Dis J** 1991 Jun; 10(6):463–6 (28 ref.)

PATHOLOGY

Percutaneous renal and adrenal biopsies. Vassiliades VG, et al. **Cardiovasc Intervent Radiol** 1991 Jan–Feb;14(1):50–4 (28 ref.)

Mesangial cell injury, glomerulosclerosis, and therapeutic intervention. Grond J, et al. **Contrib Nephrol** 1990; 81:229–39 (58 ref.)

Atypical antiglomerular basement membrane disease associated with thin membrane nephropathy. de Caestecker MP, et al. **Nephrol Dial Transplant** 1990;5(11):909–13 (25 ref.)

Reflux nephropathy in adults [editorial] Zucchelli P, et al. **Nephron** 1991;57(1):2–9 (64 ref.)

Ultrasound-guided aspiration cytology of renal expansions. Tikkakoski T, et al. **Rontgenblatter** 1990 Dec;43(12):502–6 (50 ref.)

[For or against renal biopsy after 65 years] Rifle G, et al. **Nephrologie** 1990;11(5):301–6 (36 ref.) (Eng. Abstr.) **(Fre)**

[Organ injuries of systemic amyloidosis—symptomatology and diagnosis—the kidney] Nakamoto Y. **Nippon Rinsho** 1991 Apr;49(4):853–8 (12 ref.) **(Jpn)**

[Open renal biopsy in childhood] Ruiz de Temiño M, et al. **Cir Pediatr** 1988 Jul;1(3):131–3 (13 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Role of prostaglandins in NSAID-induced renal dysfunction. Toto RD. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:967–74 (19 ref.)

Clinical factors in progressive renal injury. The role of proteinuria. D'Amico G. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):48–52 (53 ref.)

Angiotensin-I converting enzyme inhibition: clinical effects in chronic renal disease. de Jong PE, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):85–8 (37 ref.)

Anemia: a potent modulator of renal hemodynamics in models of progressive renal disease. Lafferty HM, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):2–7 (48 ref.)

The glomerular mesangium: role in initiation and progression of renal injury. Shultz PJ, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):8–14 (62 ref.)

The role of free radicals in the progression of renal disease. Stratta P, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):33–7 (30 ref.)

Do glomerular hemodynamic adaptations influence the progression of human renal disease? Woolf AS, et al. **Pediatr Nephrol** 1991 Jan;5(1):88–93 (77 ref.)

[Mechanisms of progression of glomerular sclerosis in chronic renal diseases in man] Garini G, et al. **Ann Ital Med Int** 1989 Jul–Sep;4(3):184–94 (50 ref.) (Eng. Abstr.) **(Ita)**

[Functional adaptation of solitary kidney] Bosin VIu, et al. **Sov Med** 1990;(8):40–3 (60 ref.) **(Rus)**

PREVENTION & CONTROL

Prevention of renal disease and conservation of renal function. Schreiner GE. **Am J Kidney Dis** 1990 Oct; 16(4):360–6 (8 ref.)

Medical surveillance for renal endpoints. Kosnett MJ. **Occup Med** 1990 Jul–Sep;5(3):531–46 (82 ref.)

Prevention of hereditary nephropathies by antenatal interventions. Ethical considerations. Arant BS Jr. **Pediatr Nephrol** 1987 Jul;1(3):553–60 (26 ref.)

RADIOGRAPHY

Spontaneous renal rupture during pregnancy. Van Winter JT, et al. **Mayo Clin Proc** 1991 Feb;66(2):179–82 (13 ref.)

Radiology of renal infection. Merenich WM, et al. **Med Clin North Am** 1991 Mar;75(2):425–69 (117 ref.)

RADIONUCLIDE IMAGING

Procedures of choice in renal nuclear medicine. Blaufox MD. **J Nucl Med** 1991 Jun;32(6):1301–9 (31 ref.)

[Radiopharmaceuticals in kidney diagnosis] Mäcke H. **Schweiz Med Wochenschr** 1991 Mar 2;121(9):299–305 (27 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Immune intervention in renal disease. Mathieson PW, et al. **Contrib Nephrol** 1990;86:19–44; discussion 45–7 (147 ref.)

Plasma exchange in nephrological diseases. Mason PD, et al. **Curr Stud Hematol Blood Transfus** 1990;(57):152–66 (33 ref.)

Nephrology, dialysis and transplantation. Farrington K, et al. **Postgrad Med J** 1990 Jul;66(777):502–25 (235 ref.)

[Relation between kidney-deficiency, aging and free radicle-influence of tonifying kidney of free redicle] Liang XC. **Chung Hsi I Chieh Ho Tsa Chih** 1990 Aug;10(8):511–2 (18 ref.) **(Chi)**

ULTRASONOGRAPHY

Sonographic manifestations of medical renal disease. Huntington DK, et al. **Semin Ultrasound CT MR** 1991 Aug; 12(4):290–307 (57 ref.)

Examination of native kidneys with duplex Doppler ultrasound. Platt JF, et al. **Semin Ultrasound CT MR** 1991 Aug;12(4):308–18 (37 ref.)

Doppler examination of the kidney in infants and children. Patriquin H. **Urol Radiol** 1991;12(4):220–7 (25 ref.)

[Ultrasonography in medical nephropathies] Cammarota T, et al. **Radiol Med (Torino)** 1991 Jun;81(6):873–81 (16 ref.) **(Ita)**

URINE

Renal glucosuria. Brodehl J, et al. **Pediatr Nephrol** 1987 Jul; 1(3):502–8 (41 ref.)

KIDNEY FAILURE, ACUTE

see related
ANURIA
HEMODIALYSIS

Acute disturbances of renal function. Rahn KH. **Chest** 1991 Sep;100(3 Suppl):197S–199S (7 ref.)

The effect of amino acids on ischemic and toxic injury to the kidney. Weinberg JM. **Semin Nephrol** 1990 Sep; 10(5):491–500 (120 ref.)

CHEMICALLY INDUCED

Experimental contrast-associated nephropathy and its clinical implications. Porter GA. **Am J Cardiol** 1990 Oct 26; 66(14):18F–22F (45 ref.)

Contrast nephropathy in azotemic diabetic patients undergoing coronary angiography. Manske CL, et al. **Am J Med** 1990 Nov;89(5):615–20 (26 ref.)

The spectrum of ciclosporin nephrotoxicity [clinical conference] Puschett JB, et al. **Am J Nephrol** 1990; 10(4):296–309 (128 ref.)

Acute renal failure due to ciprofloxacin. Allon M, et al. **Arch Intern Med** 1990 Oct;150(10):2187–9 (11 ref.)

Sulfadiazine crystalluria revisited. The treatment of Toxoplasma encephalitis in patients with acquired immunodeficiency syndrome. Simon DI, et al. **Arch Intern Med** 1990 Nov;150(11):2379–84 (34 ref.)

Cocaine and rhabdomyolysis: report of a case and review of the literature. Flaque-Coma J. **Bol Asoc Med P R** 1990 Sep;82(9):423–4 (16 ref.)

Cerebellar toxicity during cytarabine therapy associated with renal insufficiency. Hasle H. **Cancer Chemother Pharmacol** 1990;27(1):76–8 (21 ref.)

Angiotensin-converting enzyme inhibitor-induced renal failure: causes, consequences, and diagnostic uses. Hricik DE, et al. **J Am Soc Nephrol** 1990 Dec;1(6):845–58 (112 ref.)

Angiotensin-converting enzyme inhibitors in pregnancy may result in neonatal renal failure. Hulton SA, et al. **S Afr Med J** 1990 Dec 1;78(11):673–6 (29 ref.)

[Changes in renal function induced by anesthesia] Mercatello A. **Ann Fr Anesth Reanim** 1990;9(6):507–24 (208 ref.) (Eng. Abstr.) **(Fre)**

[A case report of rheumatoid arthritis which showed acute renal failure, nephrotic syndrome and drug-related lupus-like syndrome caused by D-penicillamine] Suda M, et al. **Nippon Jinzo Gakkai Shi** 1990 Nov;32(11):1235–41 (28 ref.) (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Prognosis in acute pancreatitis complicated by acute renal failure requiring dialysis. Frost L, et al. **Scand J Urol Nephrol** 1990;24(4):257–60 (18 ref.)

[Drug-induced interstitial nephropathy with nephrotic syndrome] Deray G, et al. **Presse Med** 1990 Dec 15; 19(43):1985-8 (44 ref.) (Eng. Abstr.) **(Fre)**

[The use of antimicrobials in renal insufficiency] Pascual J, et al. **Enferm Infecc Microbiol Clin** 1990 Feb;8(2):97-107 (89 ref.) **(Spa)**

DIAGNOSIS

Human immunodeficiency virus/acquired immunodeficiency syndrome nephropathy in the inner city. Appel GB, et al. **N Y State J Med** 1991 May;91(5):207-10 (13 ref.)

Imaging the kidneys and urinary tract in the neonate with acute renal failure. Gordon I, et al. **Pediatr Nephrol** 1987 Jul;1(3):321-9 (53 ref.)

DRUG THERAPY

Role of calcium channel blockers in protection against experimental renal injury. Schrier RW. **Am J Med** 1991 May 17;90(5A):21S-26S (15 ref.)

The efficacy of diuretics in acute and chronic renal failure. Focus on torasemide. Risler T, et al. **Drugs** 1991;41 Suppl 3:69-79 (63 ref.)

EPIDEMIOLOGY

Acute renal failure in neonates: incidence, etiology and outcome. Stapleton FB, et al. **Pediatr Nephrol** 1987 Jul; 1(3):314-20 (39 ref.)

ETIOLOGY

Obstructive acute renal failure by a gravid uterus: a case report and review. Brandes JC, et al. **Am J Kidney Dis** 1991 Sep;18(3):398-401 (19 ref.)

Unusual case of crescentic glomerulonephritis associated with malignant lymphoma. A case report and review of the literature. Weinstein T, et al. **Am J Nephrol** 1990; 10(4):329-32 (10 ref.)

Human immunodeficiency virus (HIV) associated nephropathy. Rao TK. **Annu Rev Med** 1991;42:391-401 (11 ref.)

Is there a reliable index of glomerular filtration rate in critically ill patients? Robert S, et al. **DICP** 1991 Feb; 25(2):169-78 (73 ref.)

Renal mucormycosis: a case report and review of the literature. Davila RM, et al. **J Urol** 1991 Jun;145(6):1242-4 (12 ref.)

Spontaneous common iliac arteriovenous fistula manifested by acute renal failure: a case report. Gregoric ID, et al. **J Vasc Surg** 1991 Jul;14(1):92-7 (46 ref.)

Management of the injured renal transplant recipient. Urquhart CK, et al. **South Med J** 1991 Apr;84(4):524-6 (15 ref.)

[Hantaan virus infection, a seldom recognized cause of acute kidney insufficiency] Jordans JG, et al. **Ned Tijdschr Geneeskd** 1991 May 4;135(18):791-3 (20 ref.) **(Dut)**

[Acute kidney failure in infectious mononucleosis] Ramelli GP, et al. **Schweiz Med Wochenschr** 1990 Oct 27; 120(43):1590-4 (40 ref.) (Eng. Abstr.) **(Ger)**

[Acute renal failure in a case of paroxysmal nocturnal hemoglobinuria--a review of literature in Japan] Kondo H, et al. **Nippon Jinzo Gakkai Shi** 1990 Jul;32(7):835-40 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Rhabdomyolysis] Soejima A, et al. **Nippon Rinsho** 1991 Jun; 49(6):1310-7 (29 ref.) **(Jpn)**

[Nephrological complications after bone marrow transplantation] Ratajczak MZ, et al. **Pol Tyg Lek** 1990 Oct 1-8;45(40-41):836-40 (34 ref.) **(Pol)**

METABOLISM

Calcium handling by renal tubules during oxygen deprivation injury to the kidney prior to reoxygenation. Burke TJ, et al. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1319-24 (30 ref.)

Pharmacokinetics of newer drugs in patients with renal impairment (Part II). Singlas E, et al. **Clin Pharmacokinet** 1991 May;20(5):389-410 (127 ref.)

Current indications of plasma atrial natriuretic peptide measurements in human diseases. Dussaule JC, et al. **Horm Res** 1990;34(3-4):133-7 (30 ref.)

Renal metabolism and acute renal failure. Dickman KG, et al. **Pediatr Nephrol** 1987 Jul;1(3):359-66 (61 ref.)

MICROBIOLOGY

[Renal function in meningococcal infection. Analysis of 116 cases] Mar Molinero F, et al. **An Esp Pediatr** 1991 Jan; 34(1):57-61 (26 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Mechanisms of compensatory hypertrophy of the kidney] Klin M. **Postepy Hig Med Dosw** 1990;44(1-3):85-112 (123 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Renal failure in disasters. Collins AJ, et al. **Crit Care Clin** 1991 Apr;7(2):421-35 (29 ref.)

Acute renal failure: the glomerular and tubular connection. Bird JE, et al. **Pediatr Nephrol** 1987 Jul;1(3):348-58 (42 ref.)

Acute ischemic renal failure: review of experimental studies on pathophysiology and potential protective interventions. Mohaupt M, et al. **Ren Fail** 1989-90;11(4):177-85 (26 ref.)

PREVENTION & CONTROL

[Prevention of terminal kidney failure in insulin-dependent diabetics. Current status and prospects] Passa P, et al. **Presse Med** 1991 Mar 16;20(10):471-5 (22 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Renal failure diagnosis and management. Otieno LS, et al. **East Afr Med J** 1991 Mar;68(3):216-24 (22 ref.)

Role of parenteral nutrition in inflammatory bowel disease, acute renal failure, and hepatic encephalopathy. Clinical Efficacy Assessment Subcommittee of the Health and Public Policy Subcommittee, American College of Physicians. **Int J Technol Assess Health Care** 1990; 6(4):655-62 (32 ref.)

New approaches to the treatment of acute renal failure. Gaudio KM, et al. **Pediatr Nephrol** 1987 Jul;1(3):339-47 (45 ref.)

Continuous arteriovenous hemofiltration in children. Lieberman KV. **Pediatr Nephrol** 1987 Jul;1(3):330-8 (17 ref.)

Advances in nephrology: a selected review of progress in care of the patient with renal failure. Mahnensmith RL. **R I Med J** 1990 Nov;73(11):507-15 (25 ref.)

Acute renal failure after open heart surgery: newer concepts and current therapy. Paganini EP, et al. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):63-70 (30 ref.)

Nutritional support in renal failure. Compher C, et al. **Surg Clin North Am** 1991 Jun;71(3):597-608 (81 ref.)

[Extrarenal elimination procedures in acute kidney failure] Sold M. **Anaesthesist** 1990 Nov;39(11):569-86 (166 ref.) (Eng. Abstr.) **(Ger)**

[The effect of hemofiltration on the amino acid content of the blood plasma in acute kidney failure] Timokhov VS, et al. **Ter Arkh** 1991;63(4):156-8 (40 ref.) **(Rus)**

KIDNEY FAILURE, CHRONIC

see related
HEMODIALYSIS
UREMIA

Chronic renal insufficiency in infants and children. Hanna JD, et al. **Clin Pediatr (Phila)** 1991 Jun;30(6):365-84 (169 ref.)

BLOOD

Effects of erythropoietin in predialysis patients. Anderson S. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):103-6 (35 ref.)

Hemodialysis-associated induction of cytokines. Lonnemann G, et al. **Blood Purif** 1990;8(4):214-22 (32 ref.)

Psychopharmacology in patients with renal failure. Levy NB. **Int J Psychiatry Med** 1990;20(4):325-34 (20 ref.)

Erythropoietin titers in health and disease. Erslev AJ. **Semin Hematol** 1991 Jul;28(3 Suppl 3):2-7; discussion 7-8 (28 ref.)

[Membrane phospholipid peroxidation in renal insufficiency and chronic hemodialysis] Paul JL, et al. **Nephrologie** 1991; 12(1):4-7 (39 ref.) (Eng. Abstr.) **(Fre)**

[Sodium, potassium, calcium in chronic renal insufficiency] Locatelli F, et al. **G Ital Cardiol** 1990 May;20(5):449-62 (85 ref.) **(Ita)**

CHEMICALLY INDUCED

The spectrum of ciclosporin nephrotoxicity [clinical conference] Puschett JB, et al. **Am J Nephrol** 1990; 10(4):296-309 (128 ref.)

The case against the indefinite use of cyclosporine. Myers BD, et al. **Transplant Proc** 1991 Feb;23(1 Pt 1):41-2 (9 ref.)

COMPLICATIONS

Importance of opioid receptors in the pathogenesis of endocrine abnormalities in chronic renal failure. Grzeszczak W, et al. **Acta Med Pol** 1988;29(3-4):115-29 (59 ref.)

Audiological findings in elderly patients with chronic renal failure. Antonelli AR, et al. **Acta Otolaryngol Suppl (Stockh)** 1990;476:54-68 (55 ref.)

Growth hormone and insulin-like growth factor I in chronic renal failure--pathophysiology and rationale for growth hormone treatment. Mehls O, et al. **Acta Paediatr Scand Suppl** 1990;370:28-34; discussion 35 (40 ref.)

Growth and endocrine function in children with chronic renal failure. Rigden SP, et al. **Acta Paediatr Scand Suppl** 1990;370:20-6; discussion 27 (28 ref.)

The radiographic spectrum of renal osteodystrophy. Molpus WM, et al. **Am Fam Physician** 1991 Jan;43(1):151-8 (18 ref.)

Recombinant human erythropoietin and renal anemia: molecular biology, clinical efficacy, and nervous system effects [see comments] Nissenson AR, et al. **Ann Intern Med** 1991 Mar 1;114(5):402-16 (148 ref.) Comment in: Ann Intern Med 1991 Jun 15;114(12):1063.

Erythropoietin: issues in its use as a therapeutic for the anemia of chronic renal failure. Eschbach JW, et al. **Blood Purif** 1990;8(5):239-54 (85 ref.)

Pericarditis in end-stage renal disease. Rostand SG, et al. **Cardiol Clin** 1990 Nov;8(4):701-7 (41 ref.)

Hyperlipoproteinemia in chronic renal failure: pathophysiological and therapeutic aspects. Wanner C, et al. **Cardiology** 1991;78(3):202-17 (96 ref.)

Hypertension as a possible complication of recombinant human erythropoietin therapy. Brunkhorst R, et al. **Contrib Nephrol** 1991;88:118-25; discussion 126 (29 ref.)

The anemia of chronic renal failure: pathophysiology and effects of recombinant erythropoietin. Eschbach JW, et al. **Contrib Nephrol** 1990;78:24-36; discussion 37 (85 ref.)

Cardiac status and differential indication for renal replacement methods. Wizemann V, et al. **Contrib Nephrol** 1991;89:254-9 (12 ref.)

The renally compromised older hypertensive: therapeutic considerations. Weder AB. **Geriatrics** 1991 Feb;46(2):36-8, 43-8 (25 ref.)

Effects of 1,25(OH)2D3 administration on bone in patients with renal failure. Malluche HH, et al. **Kidney Int Suppl** 1990 Sep;29:S48-53 (40 ref.)

The use of erythropoietin in renal failure. Macdougall IC, et al. **Postgrad Med J** 1991 Jan;67(783):9-15 (83 ref.)

Management of the chronic renal failure patient receiving epoetin alfa for the treatment of anemia. Binkley LS. **Transplant Proc** 1991 Apr;23(2):1831-2 (6 ref.)

[Renal osteodystrophy in children. Pathogenic role and modalities of control of phosphate retention] Boudailliez B, et al. **Arch Fr Pediatr** 1991 Apr;48(4):279-86 (84 ref.) **(Fre)**

[Growth hormone and delayed growth in the chronic renal insufficiency child] Broyer M. **Nephrologie** 1990;11(4):247 (3 ref.) **(Fre)**

[Digestive tract lesions in patients with renal insufficiency] Robert D, et al. **Rev Med Suisse Romande** 1990 Dec; 110(12):1049-54 (0 ref.) **(Fre)**

[Gastrointestinal complications in end-stage renal failure] Abramovici I, et al. **Harefuah** 1991 Apr 15;120(8):465-8 (36 ref.) **(Heb)**

[A case of idiopathic plasmacytic lymphadenopathy with polyclonal hyperimmunoglobulinemia associated with chronic renal failure] Kondo M, et al. **Nippon Jinzo Gakkai Shi** 1990 Oct;32(10):1193-7 (12 ref.) (Eng. Abstr.) **(Jpn)**

[The use of antimicrobials in renal insufficiency] Pascual J, et al. **Enferm Infecc Microbiol Clin** 1990 Feb;8(2):97-107 (89 ref.) **(Spa)**

[Mycobacterium fortuitum in patients with chronic renal insufficiency: apropos of 2 cases] Viguera J, et al. **Enferm Infecc Microbiol Clin** 1990 May;8(5):286-8 (17 ref.) (Eng. Abstr.) **(Spa)**

CONGENITAL

Neurologic development of children with severe chronic renal failure from infancy. Polinsky MS, et al. **Pediatr Nephrol** 1987 Apr;1(2):157-65 (48 ref.)

DIAGNOSIS

The role of the pediatric nephrologist in the care of children with diabetes mellitus. Lane P, et al. **Pediatr Nephrol** 1991 May;5(3):359-63 (64 ref.)

DIET THERAPY

Serum lipids in patients with chronic renal failure on long-term, protein-restricted diets. Maschio G, et al. **Am J Med** 1989 Nov;87(5N):51N-54N (19 ref.)

Energy requirements in patients with renal failure. Hirschberg RR, et al. **Contrib Nephrol** 1990;81:124-35 (41 ref.)

An overview of the modification of diet in renal disease study. Kusek JW, et al. **Contrib Nephrol** 1990;81:50-60 (13 ref.)

Factors influencing dietary compliance in patients with chronic renal failure on unsupplemented low-protein diet. Oldrizzi L, et al. **Contrib Nephrol** 1990;81:9-15 (15 ref.)

Protein restriction in chronic renal failure. Feldman HI. **Hosp Pract (Off Ed)** 1991 Jun 15;26(6):220-1, 224-5 (5 ref.)

Effect of dietary manipulation on the lipid abnormalities in patients with chronic renal failure. Maschio G, et al. **Kidney Int Suppl** 1991 Apr;31:S70-2 (26 ref.)

Protein restriction and the progress of renal insufficiency. **Nutr Rev** 1990 Aug;48(8):320-3 (18 ref.)

[Special problems of nutrition therapy in patients with terminal kidney insufficiency with chronic ambulatory hemodialysis] Kaufmann P, et al. **Wien Med Wochenschr** 1991;141(4):86-8 (60 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Treatment of renal anemia, 1960-1990. Koch KM, et al. **Adv Nephrol Necker Hosp** 1991;20:19-30 (48 ref.)

Angiotensin converting enzyme inhibitors in cardiovascular and renal disease in Africans: a review. Ajayi AA. **Afr J Med Med Sci** 1991 Jun;20(2):123-34 (70 ref.)

Calcium channel blockers: effects on progressive renal disease. Zucchelli P, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):94-7 (42 ref.)

Role of calcium channel blockers in protection against experimental renal injury. Schrier RW. **Am J Med** 1991 May 17;90(5A):21S-26S (15 ref.)

Use of angiotensin-converting enzyme inhibitors in chronic progressive renal disease. Brouhard BH, et al.

Cleve Clin J Med 1991 Mar–Apr;58(2):184–90 (43 ref.)

Angiotensin–converting enzyme inhibitors: therapeutic implications in the management of chronic renal failure. el Nahas AM. **Contrib Nephrol** 1990;81:240–7 (43 ref.)

The use of ibopamine in chronic renal failure: long–term results. Stefoni S, et al. **Contrib Nephrol** 1990;81:264–9 (14 ref.)

The potential of biotechnology to improve the quality of life of patients with renal failure. Bloembergen WE, et al. **Drug Saf** 1991 Jan–Feb;6(1):1–7 (56 ref.)

The efficacy of diuretics in acute and chronic renal failure. Focus on torasemide. Risler T, et al. **Drugs** 1991;41 Suppl 3:69–79 (63 ref.)

Angiotensin converting enzyme inhibitors and progression of chronic renal failure. Tolins JP, et al. **Kidney Int Suppl** 1990 Nov;30:S118–22 (59 ref.)

Omega–3 polyunsaturated fatty acids in chronic renal insufficiency [editorial] Bilo HJ, et al. **Nephron** 1991; 57(4):385–93 (110 ref.)

Nutritional management of children with chronic renal failure. Summary of the task force on nutritional management of children with chronic renal failure. Hellerstein S, et al. **Pediatr Nephrol** 1987 Apr;1(2):195–211 (183 ref.)

A review of drug prescribing in children with end–stage renal failure. Trompeter RS. **Pediatr Nephrol** 1987 Apr; 1(2):183–94 (10 ref.)

[ACE inhibition in heart failure and compromised kidney function] Drexler H. **Klin Wochenschr** 1991;69 Suppl 24:59–64 (13 ref.) (Eng. Abstr.) **(Ger)**

[ACE inhibitors' effect on kidney function] Grönhagen–Riska C. **Nord Med** 1990;105(8–9):219–22 (24 ref.) (Eng. Abstr.) **(Swe)**

ETIOLOGY

The role of lipid abnormalities in the pathogenesis of chronic, progressive renal disease. Kasiske BL, et al. **Adv Nephrol Necker Hosp** 1991;20:109–25 (97 ref.)

Paleonephrology and reflux nephropathy. From the 'big bang' to end–stage renal disease. Kallen RJ. **Am J Dis Child** 1991 Aug;145(8):860–4 (55 ref.)

Renal protective effects of angiotensin converting enzyme inhibitors. Weder AB. **Am J Hypertens** 1990 Nov; 3(11):273S–277S (29 ref.)

National High Blood Pressure Education Program Working Group report on hypertension and chronic renal failure. **Arch Intern Med** 1991 Jul;151(7):1280–7 (88 ref.)

Essential hypertension and renal failure. Losito A. **Compr Ther** 1991 Feb;17(2):20–5 (11 ref.)

Hypertension as a risk factor for renal disease. Review of clinical and epidemiological evidence [see comments] Whelton PK, et al. **Hypertension** 1989 May;13(5 Suppl):I19–27 (37 ref.) Comment in: Hypertension 1989 May;13(5 Suppl):I33–5.

Natural history of "lower" urinary tract infections. Kunin CM. **Infection** 1990;18 Suppl 2:S44–9 (35 ref.)

[Renal vasculitis: review of the literature and description of a clinical case] Cramarossa L, et al. **Ann Ital Med Int** 1988 Jul–Sep;3(3):220–4 (14 ref.) (Eng. Abstr.) **(Ita)**

[Mechanisms of progression of glomerular sclerosis in chronic renal diseases in man] Garini G, et al. **Ann Ital Med Int** 1989 Jul–Sep;4(3):184–94 (50 ref.) (Eng. Abstr.) **(Ita)**

[Chronic kidney failure] Delucchi A, et al. **Rev Chil Pediatr** 1990;61 Suppl 1:19–20 (0 ref.) **(Spa)**

GENETICS

Renal failure in adult onset hypophosphatemic osteomalacia with Fanconi syndrome: a family study and review of the literature. Harrison NA, et al. **Clin Nephrol** 1991 Apr; 35(4):148–50 (13 ref.)

IMMUNOLOGY

Immunodeficiencies in chronic renal failure. Moran J, et al. **Contrib Nephrol** 1990;86:91–106; discussion 107–10 (64 ref.)

Secondary hyperparathyroidism and the immune system in chronic renal failure. Massry SG, et al. **Semin Nephrol** 1991 Mar;11(2):186–201 (120 ref.)

METABOLISM

Lipoprotein abnormalities in the progression of renal disease. Brouhard BH, et al. **Cleve Clin J Med** 1990 Oct; 57(7):599–604 (39 ref.)

Protein metabolism and nutrition in hemodialysis patients. Alvestrand A. **Contrib Nephrol** 1990;78:102–18 (62 ref.)

Unutilized reserves: the production capacity for erythropoietin appears to be conserved in chronic renal disease. Eckardt KU, et al. **Contrib Nephrol** 1991;88:18–31; discussion 32–4 (31 ref.)

Abnormalities in amino acid metabolism in chronic renal failure. Tizianello A, et al. **Contrib Nephrol** 1990;81:169–80 (24 ref.)

Glucose metabolism in non–diabetic and insulin–dependent diabetic subjects with end–stage renal failure. Schmitz O. **Dan Med Bull** 1991 Feb;38(1):36–52 (209 ref.)

Current indications of plasma atrial natriuretic peptide measurements in human diseases. Dussaule JC, et al. **Horm Res** 1990;34(3–4):133–7 (30 ref.)

Recombinant erythropoietin and chronic renal failure. Lundin AP. **Hosp Pract (Off Ed)** 1991 Apr 15;26(4):61–9 (10 ref.)

Pharmacokinetics of quinolones in renal insufficiency. Fillastre JP, et al. **J Antimicrob Chemother** 1990 Oct;26 Suppl B:51–60 (33 ref.)

Role of branched–chain ketoacids in protein metabolism. Walser M. **Kidney Int** 1990 Oct;38(4):595–604 (134 ref.)

Lipid abnormalities in chronic renal insufficiency. Attman PO, et al. **Kidney Int Suppl** 1991 Apr;31:S16–23 (91 ref.)

The parathyroid–calcitriol axis in health and chronic renal failure. Slatopolsky E, et al. **Kidney Int Suppl** 1990 Sep; 29:S41–7 (49 ref.)

Renal ammonia and bicarbonate production in chronic renal failure. Dass PD, et al. **Miner Electrolyte Metab** 1990; 16(5):308–14 (73 ref.)

Eicosanoid biosynthesis and role in renal immune injury. Lianos EA. **Prostaglandins Leukot Essent Fatty Acids** 1990 Sep;41(1):1–12 (89 ref.)

Amino acid metabolism in the kidney. Kuhlmann MK, et al. **Semin Nephrol** 1990 Sep;10(5):445–57 (100 ref.)

MORTALITY

[Mortality in patients with chronic renal insufficiency undergoing hemodialysis. Hyperlipemia as coadjuvant factor] Joven J, et al. **Med Clin (Barc)** 1991 Jan 26; 96(3):110–3 (54 ref.) **(Spa)**

PATHOLOGY

Can renal failure due to hypertension be prevented? Luke RG. **Hypertension** 1991 Sep;18(3 Suppl):I139–42 (47 ref.)

PHYSIOPATHOLOGY

Glomerular growth promoters, the common key mediator for progressive glomerular sclerosis in chronic renal diseases. Ichikawa I, et al. **Adv Nephrol Necker Hosp** 1991; 20:127–48 (65 ref.)

The role of nutrition in neurologic health and development of infants with chronic renal failure. Geary DF, et al. **Adv Perit Dial** 1990;6:252–4 (15 ref.)

Clinical factors in progressive renal injury. The role of hyperphosphatemia. Alfrey AC, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):53–6 (27 ref.)

Vasopressin and urinary concentration: additional risk factors in the progression of chronic renal failure. Bankir L, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):20–6 (25 ref.)

The role of nephron loss in the progression of renal failure: experimental evidence. Provoost AP, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):27–32 (63 ref.)

Are newer antihypertensive agents really more effective than traditional drugs in progressive renal disease? Ritz E, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):76–80 (39 ref.)

Lipid abnormalities, renal failure, and parathyroid hormone. Massry SG, et al. **Am J Med** 1989 Nov;87(5N):42N–44N (56 ref.)

Can the rate of progression of chronic renal failure be altered? Kirkpatrick WG. **Am J Med Sci** 1990 Dec;300(6):396–401 (68 ref.)

Principles of fluid dynamics and circulatory control in end–stage renal failure. Schultze G, et al. **Contrib Nephrol** 1989;74:207–20 (52 ref.)

The loop diuretic torasemide in chronic renal failure. Pharmacokinetics and pharmacodynamics. Knauf H, et al. **Drugs** 1991;41 Suppl 3:23–34 (44 ref.)

Uraemic autonomic neuropathy. Vita G, et al. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S179–84 (33 ref.)

Chronic renal failure: pathophysiology. Jacobson HR. **Lancet** 1991 Aug 17;338(8764):419–23 (27 ref.)

Alteration of mineral metabolism in chronic renal failure. Slatopolsky E, et al. **Transplant Proc** 1991 Apr;23(2):1816–7 (15 ref.)

[Is it possible to use creatinine for following the development of renal insufficiency?] Labeeuw M, et al. **Nephrologie** 1990; 11(4):231–5 (23 ref.) (Eng. Abstr.) **(Fre)**

[Renal effects of conversion enzyme inhibitors] Ritz E, et al. **Klin Wochenschr** 1991;69 Suppl 24:50–7; discussion 57–8 (62 ref.) (Eng. Abstr.) **(Ger)**

[Organ failure in chronic renal failure] Precht K. **Z Arztl Fortbild (Jena)** 1990;84(24):1253–7 (15 ref.) **(Ger)**

[Evaluation of renal function in chronic renal disease with special reference to creatinine] Sugino N. **Nippon Jinzo Gakkai Shi** 1990 Jul;32(7):745–50 (30 ref.) (Eng. Abstr.) **(Jpn)**

[Effect of the autonomic nervous system on liver function in physiological and various pathological conditions] Zapaśnik A, et al. **Pol Arch Med Wewn** 1990 Sep; 84(3):166–75 (40 ref.) **(Pol)**

[Endocrine disorders in patients with chronic renal failure] Więcek A, et al. **Postepy Hig Med Dosw** 1989; 43(5–6):423–51 (284 ref.) **(Pol)**

[Atrial natriuretic factor and its role in pathology] Drozdova GA, et al. **Patol Fiziol Eksp Ter** 1990 Nov–Dec;(6):55–8 (97 ref.) **(Rus)**

PREVENTION & CONTROL

Impact of calcium entry blockers on glomerular injury in experimental hypertension. Dworkin LD. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1325–30 (34 ref.)

PSYCHOLOGY

[Psychosocial management in medicine: a question of "management bias"?] Ullrich G. **Prax Kinderpsychol Kinderpsychiatr** 1990 Sep;39(7):249–54 (20 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Renal transplantation in children [see comments] Trompeter RS. **Br J Hosp Med** 1990 Oct;44(4):279–83 (31 ref.) Comment in: Br J Hosp Med 1991 Mar;45(3):136.

Erythropoiesis and erythropoietin levels in renal transplant recipients. Wolff M, et al. **Klin Wochenschr** 1991 Jan 22; 69(2):53–8 (68 ref.)

Renal transplantation. Catto G. **Practitioner** 1991 Feb; 235(1499):162, 164–5, 167 (3 ref.)

Obesity and renal transplantation. Merion RM, et al. **Surg Gynecol Obstet** 1991 May;172(5):367–76 (20 ref.)

[Pregnancy, labor and postpartum development after kidney transplantation and triple therapy with cyclosporin A—follow–up in relation to literature review] Bung P, et al. **Z Geburtshilfe Perinatol** 1991 Jan–Feb;195(1):43–5 (23 ref.) (Eng. Abstr.) **(Ger)**

[Rehabilitation of patients after allogeneic kidney transplantation] Belorusov OS, et al. **Khirurgiia (Mosk)** 1990 Sep;(9):157–60 (36 ref.) **(Rus)**

THERAPY

Is the peritoneal membrane durable indefinitely? Hallett MD, et al. **Adv Perit Dial** 1990;6:197–201 (25 ref.)

The nutritional approach for pediatric patients undergoing CAPD/CCPD. Salusky IB. **Adv Perit Dial** 1990;6:245–51 (37 ref.)

Pathological fractures and lytic bone lesion of the femoral neck associated with beta 2–microglobulin amyloid deposition in long–term dialysis patients. Scheumann GF, et al. **Arch Orthop Trauma Surg** 1991;110(2):93–7 (24 ref.)

Interventions in chronic renal failure [see comments] Curtis JR. **BMJ** 1990 Sep 29;301(6753):622–4 (51 ref.) Comment in: BMJ 1990 Nov 24;301(6762):1217–8.

Continuous ambulatory peritoneal dialysis in diabetic patients. Scarpioni LL, et al. **Contrib Nephrol** 1990;84:60–74 (40 ref.)

Short haemodialysis. Shaldon S. **Contrib Nephrol** 1990;82:1–5 (21 ref.)

Renal failure diagnosis and management. Otieno LS, et al. **East Afr Med J** 1991 Mar;68(3):216–24 (22 ref.)

Guidelines for the scientific review of enteral food products for special medical purposes. Prepared for the Center for Food Safety and Applied Nutrition, Food and Drug Administration. Talbot JM. **JPEN J Parenter Enteral Nutr** 1991 May–Jun;15(3 Suppl):99S–174S, A1–E2 (346 ref.)

Parathyroidectomy in chronic renal failure: indications, surgical approach and the use of calcitriol. Llach F. **Kidney Int Suppl** 1990 Sep;29:S62–8 (39 ref.)

Chronic renal failure: management. Klahr S. **Lancet** 1991 Aug 17;338(8764):423–7 (26 ref.)

Dialysis in pregnancy: a critical review. Elliott JP, et al. **Obstet Gynecol Surv** 1991 Jun;46(6):319–24 (31 ref.)

Ethical and legal considerations in the care of the infant with end–stage renal disease whose parents elect conservative therapy. An American perspective. Cohen C. **Pediatr Nephrol** 1987 Apr;1(2):166–71 (31 ref.)

Calcium carbonate as a phosphate binder: is there a need to adjust peritoneal dialysate calcium concentrations for patients using CaCO3? Martis L, et al. **Perit Dial Int** 1989; 9(4):325–8 (28 ref.)

Management of chronic renal failure. Burden R. **Practitioner** 1991 Feb;235(1499):154, 156, 158–60 (3 ref.)

Renal dialysis. Stuart R, et al. **Practitioner** 1991 Feb; 235(1499):145–6, 148, 150–2 (2 ref.)

Advances in nephrology: a selected review of progress in care of the patient with renal failure. Mahnensmith RL. **R I Med J** 1990 Nov;73(11):507–15 (25 ref.)

Treatment of diabetic nephropathy: a rational approach based on its pathophysiology. Tuttle KR, et al. **Semin Nephrol** 1991 Mar;11(2):220–35 (149 ref.)

Health care provision and distributive justice: end stage renal disease and the elderly in Britain and America. Gill DG, et al. **Soc Sci Med** 1991;32(5):565–77 (55 ref.)

Nutritional support in renal failure. Compher C, et al. **Surg Clin North Am** 1991 Jun;71(3):597–608 (81 ref.)

[Current status of research on the therapy of chronic kidney failure] Pan ZB, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1990 Aug;10(8):507–10 (23 ref.) **(Chi)**

[Continuous ambulatory peritoneal dialysis (editorial)] Ryckelynck JP. **Presse Med** 1991 Jan 5–12;20(1):13–5 (10 ref.) **(Fre)**

[Continuous ambulatory peritoneal dialysis: determination of treatment location] Rambausek M. **Dtsch Med Wochenschr** 1990 Dec 21;115(51–52):1975–9 (30 ref.) **(Ger)**

[Comparative study of acetate and bicarbonate hemodialysis in children with chronic uremia] Dobos E, et al. **Orv Hetil** 1991 Aug 11;132(32):1749–54 (37 ref.) (Eng. Abstr.) **(Hun)**

VETERINARY

Nutritional management of chronic renal failure. Polzin D, et al. **Semin Vet Med Surg (Small Anim)** 1990 Aug;

5(3):187–96 (47 ref.)

KIDNEY FUNCTION TESTS

[ACE inhibition in heart failure and compromised kidney function] Drexler H. **Klin Wochenschr** 1991;69 Suppl 24:59–64 (13 ref.) (Eng. Abstr.) **(Ger)**

[Changes in renal function in heart failure and their modification by conversion enzyme inhibitors] Heidland A, et al. **Klin Wochenschr** 1991;69 Suppl 24:65–72; discussion 72–4 (68 ref.) (Eng. Abstr.) **(Ger)**

[Radiopharmaceuticals in kidney diagnosis] Mäcke H. **Schweiz Med Wochenschr** 1991 Mar 2;121(9):299–305 (27 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Medical surveillance for renal endpoints. Kosnett MJ. **Occup Med** 1990 Jul–Sep;5(3):531–46 (82 ref.)

KIDNEY GLOMERULUS

BLOOD SUPPLY

Effects of calcium antagonists on glomerular hemodynamics and structure in experimental hypertension. Dworkin LD. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):89–93 (37 ref.)

Anemia: a potent modulator of renal hemodynamics in models of progressive renal disease. Lafferty HM, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):2–7 (48 ref.)

Role of the efferent arteriole in tubuloglomerular feedback. Davis JM. **Kidney Int Suppl** 1991 Jun;32:S71–3 (26 ref.)

Glomerular hemodynamic consequences of immune injury. Gabbai FB, et al. **Semin Nephrol** 1991 May;11(3):367–72 (34 ref.)

CHEMISTRY

Renal glomerular and tubular insulin and insulin-like growth factor receptors. Meezan E, et al. **Contrib Nephrol** 1990; 83:60–6 (35 ref.)

DRUG EFFECTS

Impact of calcium entry blockers on glomerular injury in experimental hypertension. Dworkin LD. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1325–30 (34 ref.)

ENZYMOLOGY

Proteinases and the glomerulus: their role in glomerular diseases. Davies M, et al. **Klin Wochenschr** 1990 Nov 16; 68(22):1145–9 (29 ref.)

GROWTH & DEVELOPMENT

Endothelium and glomerular growth. Neild GH, et al. **Am J Kidney Dis** 1991 Jun;17(6):670–2 (16 ref.)

IMMUNOLOGY

Role of platelet-activating factor in renal immune injury and proteinuria. Perico N, et al. **Am J Nephrol** 1990;10 Suppl 1:98–104 (48 ref.)

Studies on glomerular basement membrane in progressive hereditary nephritis. Savage CO, et al. **Contrib Nephrol** 1990;80:68–75 (23 ref.)

Mediation of immune glomerular injury. Couser WG. **J Am Soc Nephrol** 1990 Jul;1(1):13–29 (181 ref.)

The formation and fate of glomerular immune complex deposits. Furness PN. **J Pathol** 1991 Jul;164(3):195–202 (61 ref.)

Immunoregulatory factors in the pathogenesis of IgA nephropathy [clinical conference] Emancipator SN. **Kidney Int** 1990 Dec;38(6):1216–29 (160 ref.)

Atypical antiglomerular basement membrane disease associated with thin membrane nephropathy. de Caestecker MP, et al. **Nephrol Dial Transplant** 1990;5(11):909–13 (25 ref.)

Mediation of glomerular injury. Interactions between glomerular autacoids. Ardaillou R, et al. **Semin Nephrol** 1991 May;11(3):340–5 (36 ref.)

Mechanisms of glomerular injury: injury mediated by sensitized lymphocytes. Bolton WK. **Semin Nephrol** 1991 May;11(3):285–93 (60 ref.)

Platelets in inflammatory glomerular injury. Johnson RJ. **Semin Nephrol** 1991 May;11(3):276–84 (73 ref.)

Glomerular injury induced by antibody and complement. Quigg RJ. **Semin Nephrol** 1991 May;11(3):259–67 (89 ref.)

The role of the macrophage in glomerular injury. Schreiner GF. **Semin Nephrol** 1991 May;11(3):268–75 (95 ref.)

[The role of cellular immunity in the pathogenesis of glomerulonephritis] Kacprzyk F, et al. **Postepy Hig Med Dosw** 1989;43(2–4):199–212 (82 ref.) (Eng. Abstr.) **(Pol)**

METABOLISM

Glomerular structures and lipids in progressive renal disease. Moorhead JF, et al. **Am J Med** 1989 Nov;87(5N):12N–20N (75 ref.)

Glomerular fibrin deposition and removal. Bergstein JM. **Pediatr Nephrol** 1990 Jan;4(1):78–87 (117 ref.)

Arachidonic acid metabolites in glomerular immune injury. Badr KF. **Semin Nephrol** 1991 May;11(3):332–9 (75 ref.)

Reactive oxygen and glomerular dysfunction. Iwasaki K. **Xenobiotica** 1990 Sep;20(9):909–14 (7 ref.)

PATHOLOGY

Similarities between glomerular sclerosis and atherosclerosis in human renal biopsy specimens: a role for lipoprotein glomerulopathy. Avram MM. **Am J Med** 1989 Nov; 87(5N):39N–41N (23 ref.)

Hypertension and glomerular sclerosis: where, when and how? el Nahas AM. **Contrib Nephrol** 1990;78:61–70; discussion 70–2 (50 ref.)

Alport's syndrome: specificity and pathogenesis of glomerular basement membrane alterations. Rumpelt HJ. **Pediatr Nephrol** 1987 Jul;1(3):422–7 (33 ref.)

Glomerular injury and proteolytic enzymes. Baricos WH, et al. **Semin Nephrol** 1991 May;11(3):327–31 (56 ref.)

Consequences of glomerular injury. Glomerular crescent formation. Holzman LB, et al. **Semin Nephrol** 1991 May; 11(3):346–53 (64 ref.)

Resident glomerular cells in glomerular injury: glomerular epithelial cells. Kasinath BS. **Semin Nephrol** 1991 May; 11(3):294–303 (125 ref.)

Sclerosis: a glomerular response to injury. Killen PD. **Semin Nephrol** 1991 May;11(3):354–60 (68 ref.)

Resident glomerular cells in glomerular injury: endothelial cells. Savage CO, et al. **Semin Nephrol** 1991 May; 11(3):312–9 (90 ref.)

Oxidant mechanisms in glomerulonephritis. Shah SV. **Semin Nephrol** 1991 May;11(3):320–6 (39 ref.)

Tubulointerstitial injury following glomerulonephritis. Yee J, et al. **Semin Nephrol** 1991 May;11(3):361–6 (48 ref.)

PHYSIOLOGY

Contribution of the tubuloglomerular feedback mechanism to sodium homeostasis and interaction with the renin-angiotensin system. Navar LG, et al. **Acta Physiol Scand Suppl** 1990;591:66–73 (27 ref.)

Hemodynamic effects of glomerular permselectivity. Hostetter TH, et al. **Am J Nephrol** 1990;10 Suppl 1:24–7 (19 ref.)

Cellular basis of hormonal actions in the glomerulus. Menè P, et al. **Am J Nephrol** 1990;10 Suppl 1:28–35 (46 ref.)

An overview of role of matrix components. Brown DM, et al. **Diabetes Care** 1991 Feb;14(2):157–9 (24 ref.)

Physiologic adaptations of the tubuloglomerular feedback system. Blantz RC, et al. **Kidney Int** 1990 Oct;38(4):577–83 (46 ref.)

Tubuloglomerular feedback activity after acute reductions in renal mass. Blantz RC, et al. **Kidney Int Suppl** 1991 Jun; 32:S102–5 (15 ref.)

Do glomerular hemodynamic adaptations influence the progression of human renal disease? Woolf AS, et al. **Pediatr Nephrol** 1991 Jan;5(1):88–93 (77 ref.)

[Glomerular function and renal functional reserve] Ueno A, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Dec; 81(12):1787–99 (94 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Hyperlipidemia of nephrosis: pathophysiologic role in progressive glomerular disease. Diamond JR. **Am J Med** 1989 Nov;87(5N):25N–29N (38 ref.)

Hyperlipidemia and progressive renal disease. Keane WF, et al. **Kidney Int Suppl** 1991 Apr;31:S41–8 (81 ref.)

Acute renal failure: the glomerular and tubular connection. Bird JE, et al. **Pediatr Nephrol** 1987 Jul;1(3):348–58 (42 ref.)

[Pathogenesis of diabetic nephroangiopathies] Spesivtseva VG, et al. **Klin Med (Mosk)** 1990 Jun;68(6):19–24 (66 ref.) **(Rus)**

[The participation of platelet-activating factor and cytokines in the pathogenesis of glomerular damage] Egido J, et al. **Rev Clin Esp** 1990 Jul–Aug;187(3):137–43 (69 ref.) **(Spa)**

ULTRASTRUCTURE

Morphologic alterations and biochemical studies of the glomerular basement membrane in Alport syndrome. Spear GS. **Contrib Nephrol** 1990;80:41–6 (20 ref.)

KIDNEY MEDULLA

METABOLISM

Amino acids as volume-regulatory osmolytes in mammalian cells. Law RO. **Comp Biochem Physiol A** 1991;99(3):263–77 (59 ref.)

PHYSIOLOGY

Importance of organic osmolytes for osmoregulation by renal medullary cells. Garcia-Perez A, et al. **Hypertension** 1990 Dec;16(6):595–602 (53 ref.)

KIDNEY NEOPLASMS

Small cell carcinoma of the urinary tract. Yu DS, et al. **Br J Urol** 1990 Dec;66(6):590–5 (40 ref.)

Solitary pancreatic metastasis from renal cell carcinoma. Gohji K, et al. **Hinyokika Kiyo** 1990 Jun;36(6):677–81 (18 ref.)

Renal cell carcinoma in children. Broecker B. **Urology** 1991 Jul;38(1):54–6 (9 ref.)

[Simultaneous occurrence of renal cell and transitional cell carcinoma in the same kidney and ureter. A case report] Kimura F, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Aug;81(8):1251–4 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Epithelial tumors of the upper urinary tract] Pérez Garnelo MJ, et al. **Actas Urol Esp** 1991 Jan–Feb;15(1):18–24 (41 ref.) (Eng. Abstr.) **(Spa)**

[Combination of malignant tumors of the genitourinary system in the same patient: testicular seminoma, renal adenocarcinoma and adenocarcinoma of the prostate] Lioy Lupis MT, et al. **Arch Esp Urol** 1991 Jan–Feb;44(1):73–5 (12 ref.) (Eng. Abstr.) **(Spa)**

[Diagnosis and treatment of renal angiomyolipoma] Martínez García R, et al. **Arch Esp Urol** 1989 Sep;42(7):661–9 (85 ref.) (Eng. Abstr.) **(Spa)**

[Oncocytic cell tumor. Problems, diagnosis, therapy] Nieto Martín-Bejarano J, et al. **Arch Esp Urol** 1990 Sep; 43(7):723–7 (19 ref.) (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

A mechanism of haloalkene-induced renal carcinogenesis. Dekant W, et al. **Environ Health Perspect** 1990 Aug; 88:107–10 (20 ref.)

Toxicity and carcinogenicity of potassium bromate--a new renal carcinogen. Kurokawa Y, et al. **Environ Health Perspect** 1990 Jul;87:309–35 (111 ref.)

Preneoplastic lesions in rodent kidney induced spontaneously or by non-genotoxic agents: predictive nature and comparison to lesions induced by genotoxic carcinogens. Dietrich DR, et al. **Mutat Res** 1991 Jun;248(2):239–60 (113 ref.)

The human relevance of the renal tumor-inducing potential of d-limonene in male rats: implications for risk assessment. Flamm WG, et al. **Regul Toxicol Pharmacol** 1991 Feb; 13(1):70–86 (89 ref.)

Nephrocarcinogenic xenobiotics. Henschler D, et al. **Toxicol Lett** 1990 Sep;53(1–2):105–10 (20 ref.)

Nephrocarcinogenicity of estrogens. Metzler M. **Toxicol Lett** 1990 Sep;53(1–2):111–4 (14 ref.)

Perturbation of calcium homeostasis as a link between acute cell injury and carcinogenesis in the kidney. Vamvakas S, et al. **Toxicol Lett** 1990 Sep;53(1–2):115–20 (14 ref.)

[A case of renal pelvic tumor due to phenacetin abuse] Hayashi Y, et al. **Hinyokika Kiyo** 1990 Aug;36(8):941–4 (13 ref.) (Eng. Abstr.) **(Jpn)**

CHEMISTRY

Immunohistology of renal carcinomas. Holthöfer H. **Eur Urol** 1990;18 Suppl 2:15–6 (9 ref.)

CLASSIFICATION

Cytomorphological typing of renal cell carcinoma--a new approach. Thoenes W, et al. **Eur Urol** 1990;18 Suppl 2:6–9 (15 ref.)

[Classification of renal cell carcinoma/tumors and their relationship to the nephron-collecting tubules system] Thoenes W, et al. **Klin Wochenschr** 1990 Nov 16; 68(22):1102–11 (58 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Irrepressible renal colic from spontaneous subcapsular hematoma as a sign of presentation of renal neoplasia. Case report and review of the literature. Fornarola V, et al. **Arch Esp Urol** 1990 Sep;43(7):801–5 (16 ref.)

Extraintestinal cancers in Crohn's disease. Nakajima H, et al. **Digestion** 1990;47(1):1–7 (28 ref.)

Spontaneous rupture of renal angiomyolipoma. Kurokawa K, et al. **Hinyokika Kiyo** 1991 Apr;37(4):377–80 (11 ref.)

[A case of renal cell carcinoma and bladder carcinoma associated with von Hippel-Lindau disease] Kinbara H, et al. **Hinyokika Kiyo** 1990 Jul;36(7):823–6 (15 ref.) (Eng. Abstr.) **(Jpn)**

[A case of renal cell carcinoma with polymyositis] Kumasaka K, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1317–20 (12 ref.) (Eng. Abstr.) **(Jpn)**

CONGENITAL

Pediatric case of the day. Congenital mesoblastic nephroma. Wootton SL, et al. **Radiographics** 1991 Jul;11(4):719–21 (9 ref.)

DIAGNOSIS

Recent advances in magnetic resonance imaging of renal masses. Lee JK. **Can Assoc Radiol J** 1991 Jun;42(3):185–9 (9 ref.)

Oncologic imaging. Staging and follow-up of renal and adrenal carcinoma. McClennan BL. **Cancer** 1991 Feb 15; 67(4 Suppl):1199–208 (34 ref.)

Comparison of MRI and CT for study of renal and perirenal masses. Janus CL, et al. **Crit Rev Diagn Imaging** 1991; 32(2):69–118 (73 ref.)

Magnetic resonance imaging of renal masses. Amendola MA. **Curr Opin Radiol** 1990 Dec;2(6):809–11 (12 ref.)

Immunodiagnosis of renal cell carcinoma. Ebert T, et al. **Immunol Ser** 1990;53:469–83 (97 ref.)

Nonspecific magnetic resonance appearance of renal oncocytomas: report of 3 cases and review of the literature. Defossez SM, et al. **J Urol** 1991 Mar;145(3):552–4 (14 ref.)

Preoperative endoscopic diagnosis of fibroepithelial polyp of the renal pelvis: a case report and review of the literature. Macfarlane MT, et al. **J Urol** 1991 Mar;

145(3):549–51 (12 ref.)
Adult Wilms' tumor: report of a case and review of the literature. Kumar A, et al. **Jpn J Surg** 1990 Sep;20(5):585–9 (27 ref.)
Wilms' and associated renal tumors of childhood. White KS, et al. **Pediatr Radiol** 1991;21(2):81–8 (55 ref.)
Current status of imaging indeterminate renal masses. Hartman DS, et al. **Radiol Clin North Am** 1991 May; 29(3):475–96 (56 ref.)
Imaging of neonatal renal masses. Fernbach SK. **Urol Radiol** 1991;12(4):214–9 (12 ref.)
Renal malignant fibrous histiocytoma. Joseph TJ, et al. **Urology** 1991 May;37(5):483–9 (28 ref.)
[The limits of conventional imagery in urology: the prostate and the kidney] Desgrez JP, et al. **Ann Urol (Paris)** 1990; 24(7):593–7 (6 ref.) (Eng. Abstr.) **(Fre)**
[Primary lymphoma of the kidney. Review of the literature apropos of a case] Blanc P, et al. **Rev Med Interne** 1989 Sep–Oct;10(5):457–9 (8 ref.) **(Fre)**
[Wilms' tumor or nephroblastoma] Boglino C, et al. **Medicina (Firenze)** 1990 Jul–Sep;10(3):228–42 (73 ref.) (Eng. Abstr.) **(Ita)**
[Multilocular cystic renal cell carcinoma: report of a case] Kim CJ, et al. **Hinyokika Kiyo** 1991 Feb;37(2):163–7 (30 ref.) (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Prolonged interleukin-2 (IL-2) treatment can augment immune activation without enhancing antitumor activity in renal cell carcinoma. Sosman JA, et al. **Cancer Invest** 1991;9(1):35–48 (86 ref.)
New approaches to the evaluation of the metastatic ability of renal cancer and new approaches to chemotherapy. Isaacs WB, et al. **Eur Urol** 1990;18 Suppl 2:33–5 (13 ref.)
Metastatic renal cell cancer—is the outlook really improving? Waxman J, et al. **Postgrad Med J** 1990 Jun;66(776):435–40 (39 ref.)

EMBRYOLOGY

Wilms' tumour as a paradigm for the relationship of cancer to development. Pritchard-Jones K, et al. **Cancer Surv** 1990;9(3):555–78 (103 ref.)

EPIDEMIOLOGY

Bilateral renal hemangiopericytoma. Heppe RK, et al. **Urology** 1991 Sep;38(3):249–53 (28 ref.)

ETIOLOGY

The association of oral contraception with kidney cancer, colon cancer, gallbladder cancer (including extrahepatic bile duct cancer) and pituitary tumours. Milne R, et al. **Contraception** 1991 Jun;43(6):667–93 (73 ref.)
Renal cell carcinoma of the native kidney after renal transplantation. A case report and review of the literature. Ishikawa I, et al. **Nephron** 1991;58(3):354–8 (22 ref.)
Human cystic kidney diseases: epithelial hyperplasia in the pathogenesis of cysts and tumors. Bernstein J, et al. **Pediatr Nephrol** 1987 Jul;1(3):393–6 (19 ref.)
The role of damage and proliferation in renal carcinogenesis. Stevens JL, et al. **Toxicol Lett** 1990 Sep;53(1–2):121–6 (24 ref.)
Malignant renal tumors in tuberous sclerosis. Washecka R, et al. **Urology** 1991 Apr;37(4):340–3 (24 ref.)
[Bilateral renal cell carcinoma in a patient receiving long-term dialysis] Yokoyama O, et al. **Hinyokika Kiyo** 1991 Jun;37(6):617–20 (17 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

Developmental tumours. Schofield PN. **Br Med Bull** 1991 Jan;47(1):227–43 (88 ref.)
Wilms' tumour as a paradigm for the relationship of cancer to development. Pritchard-Jones K, et al. **Cancer Surv** 1990;9(3):555–78 (103 ref.)
Rate-limiting steps: the genetics of pediatric cancers. Haber DA, et al. **Cell** 1991 Jan 11;64(1):5–8 (20 ref.)
Value of DNA analysis for treatment of renal cell carcinoma. Ljungberg B, et al. **Eur Urol** 1990;18 Suppl 2:31–2 (10 ref.)
Wilms tumour: a developmental anomaly. Hastie ND, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:145–50 (14 ref.)
[A family of von Hippel-Lindau disease with renal cell carcinoma—case report and review of the literature] Ito F, et al. **Hinyokika Kiyo** 1991 Feb;37(2):157–62 (16 ref.) (Eng. Abstr.) **(Jpn)**
[Prolonged survival of an adult with Wilms' tumor] Morales Concepcion JC, et al. **Arch Esp Urol** 1990 Oct;43(8):903–5 (24 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Monoclonal antibodies to renal cancer antigens. Bander NH. **Eur Urol** 1990;18 Suppl 2:10–2 (10 ref.)

METABOLISM

[Elaboration of erythropoietin in cultured cells] Tazaki H. **Hum Cell** 1988 Dec;1(4):375–81 (30 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Solitary subhepatic metastasis of renal adenocarcinoma. Orlando G, et al. **Arch Esp Urol** 1990 Nov–Dec; 43(9):1037–8 (8 ref.)
CT staging of renal carcinoma: a prospective comparison of three dynamic computed tomography techniques. Miles KA, et al. **Eur J Radiol** 1991 Jul–Aug;13(1):37–42 (19 ref.)
Prognostic parameters of renal cell carcinoma. Störkel S, et al. **Eur Urol** 1990;18 Suppl 2:36–7 (11 ref.)
Renal cell carcinoma metastatic to the tongue: a case report. Ishikawa J, et al. **Hinyokika Kiyo** 1991 Mar;37(3):263–5 (15 ref.)
Complete resolution of multiple pulmonary metastases of renal cell carcinoma following intravenous drip infusion of r-interleukin 2: a case report. Mizuo T, et al. **Hinyokika Kiyo** 1990 Aug;36(8):931–5 (17 ref.)
Wilms' tumour associated with deep cystic nephroma-like changes: three cases of a putative Wilms' tumour precursor. Walford N, et al. **Histopathology** 1991 Feb;18(2):123–31 (33 ref.)
Retroperitoneal teratoma with predominance of nephroblastic elements—a case report. Kim YW, et al. **J Korean Med Sci** 1990 Dec;5(4):237–42 (20 ref.)
Renal oncocytoma: report of two cases and review of literature. Shen CC, et al. **Kao Hsiung I Hsueh Ko Hsueh Tsa Chih** 1991 Aug; 7(8):435–42 (26 ref.)
Renal cell carcinoma with acrometastasis: report of two cases and review of the literature. Troncoso A, et al. **Mod Pathol** 1991 Jan;4(1):66–9 (28 ref.)
Teratoid Wilms' tumor: report of a unilateral case. Vujanić GM. **Pediatr Pathol** 1991 Mar–Apr;11(2):303–9 (17 ref.)
Ultrasound-guided aspiration cytology of renal expansions. Tikkakoski T, et al. **Rontgenblatter** 1990 Dec;43(12):502–6 (50 ref.)
Renal oncocytoma harbouring metastatic lung carcinoma. Case report. Ben-Izhak O, et al. **Scand J Urol Nephrol** 1990;24(4):317–8 (9 ref.)
Vaginal metastasis as the first sign of renal cell carcinoma. A case report and review of the literature. Ovesen H, et al. **Scand J Urol Nephrol** 1990;24(3):237–8 (16 ref.)
Inverted papilloma of the renal pelvis. Bassi P, et al. **Urol Int** 1991;46(1):73–6 (24 ref.)
Renal plasmacytoma: Mayo Clinic experience and review of the literature. Igel TC, et al. **Urology** 1991 Apr; 37(4):385–9 (13 ref.)
Renal cell carcinoma vs. renal oncocytoma. Report of a case with overlap features and review of the literature [see comments] Lazzaro B, et al. **Urology** 1991 Jan;37(1):52–6 (20 ref.) Comment in: Urology 1991 Jun;37(6):602.
[Contralateral adrenal metastasis of hypernephroma. Report of 2 cases and review of the literature] Timmermans L, et al. **Acta Urol Belg** 1990;58(2):153–9 (11 ref.) (Eng. Abstr.) **(Fre)**
[Synchronous bilateral cancer of the kidney in the adult. Apropos of a case] Bouvier B, et al. **J Chir (Paris)** 1990 Dec;127(12):595–7 (10 ref.) (Eng. Abstr.) **(Fre)**
[Metatarsal metastasis. A case treated by exeresis an reconstruction] Chauveaux D, et al. **Rev Chir Orthop** 1990; 76(7):525–7 (11 ref.) (Eng. Abstr.) **(Fre)**
[A case of spontaneous disappearance of pulmonary metastasis of renal cell carcinoma following nephrectomy] Koike H, et al. **Hinyokika Kiyo** 1990 Dec;36(12):1443–6 (19 ref.) (Eng. Abstr.) **(Jpn)**
[A case of double cancer: renal cell carcinoma and transitional cell carcinoma of urinary bladder] Nakano S, et al. **Hinyokika Kiyo** 1990 Jul;36(7):831–5 (11 ref.) (Eng. Abstr.) **(Jpn)**
[Transitional cell carcinoma of the ureter with an inverted growth pattern which was accompanied with bladder tumor: a case report] Tamura Y, et al. **Hinyokika Kiyo** 1990 Aug;36(8):945–8 (22 ref.) (Eng. Abstr.) **(Jpn)**
[Bladder metastasis from renal cell carcinoma three years after nephrectomy] Tanikawa K, et al. **Hinyokika Kiyo** 1990 Aug;36(8):927–9 (10 ref.) (Eng. Abstr.) **(Jpn)**
[A case of multiple renal leiomyoma located at renal sinus and hilus] Yoshida M, et al. **Hinyokika Kiyo** 1990 Aug; 36(8):937–40 (11 ref.) (Eng. Abstr.) **(Jpn)**
[A case of carcinosarcoma originating from the renal pelvis] Yoshida T, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Nov;81(11):1739–42 (9 ref.) (Eng. Abstr.) **(Jpn)**
[Adrenal tumors associated with renal cell carcinoma] Ebina T, et al. **Nippon Jinzo Gakkai Shi** 1990 Jul;32(7):841–7 (24 ref.) (Eng. Abstr.) **(Jpn)**
[Metastatic Grawitz's tumor to the cauda equina: case report] Takahashi I, et al. **No Shinkei Geka** 1990 Dec; 18(12):1157–60 (12 ref.) (Eng. Abstr.) **(Jpn)**
[Renal angiomyolipoma with lymphatic involvement] Llarena Ibarguren R, et al. **Arch Esp Urol** 1991 Jan-Feb; 44(1):75–6 (11 ref.) (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Comparison of MRI and CT for study of renal and perirenal masses. Janus CL, et al. **Crit Rev Diagn Imaging** 1991; 32(2):69–118 (73 ref.)
Radiology in the diagnosis and staging of renal cell carcinoma. Zagoria RJ, et al. **Crit Rev Diagn Imaging** 1990; 31(1):81–115 (55 ref.)
The small (less than or equal to 3.0 cm) renal parenchymal tumor: detection, diagnosis, and controversies [published erratum appears in Radiology 1991 Oct;181(1):289] Bosniak MA. **Radiology** 1991 May;179(2):307–17 (37 ref.)
[A large asymptomatic renal hemangioma as a chance radiologic finding] Will CH, et al. **Rontgenblatter** 1990 Dec; 43(12):507–9 (14 ref.) (Eng. Abstr.) **(Ger)**
[In situ tumor excision of a renal neoplasm] Mañas A, et al. **Actas Urol Esp** 1990 May-Jun;14(3):192–6 (32 ref.) (Eng. Abstr.) **(Spa)**
[Renal oncocytoma. Presentation of a case and review of the literature] Mínguez Martínez R, et al. **Arch Esp Urol** 1990 Sep;43(7):729–33 (27 ref.) (Eng. Abstr.) **(Spa)**

RADIOTHERAPY

[Role of postoperative adjuvant radiotherapy in the treatment of class T2–3 NO MO adenocarcinoma of the kidney] Micheletti E, et al. **Radiol Med (Torino)** 1991 Jun; 81(6):887–92 (32 ref.) (Eng. Abstr.) **(Ita)**

SECONDARY

Metastatic tumors to the urinary tract. Review a propos of two cases. Sarlis NI, et al. **Acta Urol Belg** 1990;58(3):171–92 (37 ref.)
Renal oncocytoma harbouring metastatic lung carcinoma. Case report. Ben-Izhak O, et al. **Scand J Urol Nephrol** 1990;24(4):317–8 (9 ref.)
Opposite renal pelvic metastasis of renal adenocarcinoma. Case report. Lindell OI, et al. **Scand J Urol Nephrol** 1991; 25(2):165–7 (7 ref.)
[Prostatic cancer metastasized into the kidney and kidney cancer metastasized into the lung] Tiszlavicz L, et al. **Orv Hetil** 1991 Jul 14;132(28):1539–42 (30 ref.) (Eng. Abstr.) **(Hun)**
[An esophageal cancer with a renal metastasis that was detected and resected as the only focus of recurrence] Shimizu H, et al. **Gan No Rinsho** 1990 Sep;36(11):2047–52 (18 ref.) (Eng. Abstr.) **(Jpn)**
[Esophageal cancer metastatic to the kidney: report of a case] Mikata N, et al. **Nippon Gan Chiryo Gakkai Shi** 1990 Jul 20;25(7):1492–6 (17 ref.) (Eng. Abstr.) **(Jpn)**
[A case of metastasis of lung cancer to renal cell carcinoma] Hibi H, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Mar; 82(3):488–91 (12 ref.) (Eng. Abstr.) **(Jpn)**
[Lymphoma and the urogenital system: apropos of a case] Rodríguez Andres JA, et al. **Arch Esp Urol** 1990 Nov–Dec; 43(9):1023–5 (16 ref.) (Eng. Abstr.) **(Spa)**

SECRETION

[Renin secreting tumor and severe hypertension. Apropos of a new case] Ducret F, et al. **Nephrologie** 1991;12(1):17–24 (69 ref.) (Eng. Abstr.) **(Fre)**
[Renin-secreting tumor. Description of 2 cases] Camerini E, et al. **Radiol Med (Torino)** 1991 Jul–Aug;82(1–2):173–6 (15 ref.) **(Ita)**
[Ectopic production of human chorionic gonadotropin by poorly differentiated transitional cell carcinoma of the renal pelvis] Izumi H, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Oct;81(10):1569–73 (8 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Simultaneous resection of renal carcinoma and abdominal aortic aneurysm. Baskin LS, et al. **Ann Vasc Surg** 1991 Jul;5(4):363–5 (12 ref.)
Pros and cons of retroperitoneal lymphadenectomy in operable renal cell carcinoma. Pizzocaro G, et al. **Eur Urol** 1990;18 Suppl 2:22–3 (7 ref.)
Primary renal lymphoma. Harris GJ, et al. **J Surg Oncol** 1991 Apr;46(4):273–7 (19 ref.)
Results of surgical treatment of kidney cancer with solitary metastasis to contralateral adrenal. Plawner J. **Urology** 1991 Mar;37(3):233–6 (15 ref.)
[Leiomyosarcoma of the inferior vena cava. Review of the literature apropos of a case] Bendayan P, et al. **Ann Chir** 1991;45(2):149–54 (42 ref.) (Eng. Abstr.) **(Fre)**
[Chylous ascites after tumor nephrectomy with retroperitoneal lymphadenectomy] Eberl W, et al. **Monatsschr Kinderheilkd** 1991 Jan;139(1):47–50 (34 ref.) (Eng. Abstr.) **(Ger)**
[Treatment of asynchronous bilateral renal cell carcinoma. On our experience of enucleation for two cases] Shimizu H, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Jul; 81(7):1087–90 (7 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Recent advances and controversies in the management of Wilms' tumor. Shapiro E. **Cancer Treat Res** 1989;46:65–83 (85 ref.)
Pediatric genitourinary tumors. Issa MM, et al. **Curr Opin Oncol** 1991 Jun;3(3):545–52 (66 ref.)
Renal cell carcinoma. Reese JH. **Curr Opin Oncol** 1991 Jun; 3(3):537–44 (45 ref.)
Pediatric genitourinary tumors. Smyth TB, et al. **Curr Opin Oncol** 1990 Jun;2(3):507–13 (33 ref.)
Is the outlook changing for patients with renal cell cancer? Waxman J, et al. **Eur J Cancer** 1990;26(8):860–2 (35 ref.)
Renal oncocytoma: prognosis and treatment. Lieber MM. **Eur Urol** 1990;18 Suppl 2:17–21 (12 ref.)
Wilms' tumor: status report, 1990. By the National Wilms' Tumor Study Committee. **J Clin Oncol** 1991 May; 9(5):877–87 (66 ref.)
Remaining problems in the treatment of patients with Wilms' tumor. Green DM, et al. **Pediatr Clin North Am** 1991 Apr; 38(2):475–88 (51 ref.)
Rationale for immunotherapy of renal cell carcinoma.

Heicappell R, et al. **Urol Res** 1990;18(6):357–72 (233 ref.)
[A new therapeutic concept in the treatment of metastatic cancers of the kidney: the TIL (tumor infiltrating lymphocytes)] Peyret C. **J Urol (Paris)** 1991;97(2):63–71 (38 ref.) (Eng. Abstr.) **(Fre)**
[The immunotherapy of advanced renal cell carcinoma] Bergmann L, et al. **Dtsch Med Wochenschr** 1991 Mar 8; 116(10):384–90 (43 ref.) **(Ger)**
[Long-term results in the treatment of metastasizing kidney carcinoma using recombinant alpha-2 or gamma interferon] Schneider AW, et al. **Helv Chir Acta** 1990 Nov; 57(3):415–21 (22 ref.) (Eng. Abstr.) **(Ger)**
[The value of interferons, interleukin-2 and tumor necrosis factor in the therapy of renal cell cancer] Wirth M. **Urologe [A]** 1991 Mar;30(2):77–80 (34 ref.) (Eng. Abstr.) **(Ger)**
[Treatment of renal carcinoma with alpha-interferon: biological bases and clinical results] Cetto GL, et al. **Ann Ital Med Int** 1990 Jul–Sep;5(3 Pt 1):205–15 (60 ref.) (Eng. Abstr.) **(Ita)**

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the kidney, renal pelvis and ureter. Hard GC. **IARC Sci Publ** 1990;(99):301–44 (116 ref.)

KIDNEY PAPILLA see **KIDNEY MEDULLA**

KIDNEY PAPILLARY NECROSIS

MICROBIOLOGY

[Papillary necrosis and formation of fungal balls in a patient with AIDS: a clinical case and brief review] López Aramburu MA, et al. **Actas Urol Esp** 1990 Sep–Oct; 14(5):371–3 (10 ref.) (Eng. Abstr.) **(Spa)**

KIDNEY PELVIS

Inverted papilloma of the renal pelvis. Bassi P, et al. **Urol Int** 1991;46(1):73–6 (24 ref.)
Renal plasmacytoma: Mayo Clinic experience and review of the literature. Igel TC, et al. **Urology** 1991 Apr; 37(4):385–9 (13 ref.)
[Exclusive piezoelectric lithotripsy in the treatment of calculi larger than 30 mm (partial or complete coralliform, pyelic calculi)] Amiel JA, et al. **Ann Urol (Paris)** 1990; 24(4):317–21 (5 ref.) (Eng. Abstr.) **(Fre)**
[A case of renal pelvic tumor due to phenacetin abuse] Hayashi Y, et al. **Hinyokika Kiyo** 1990 Aug;36(8):941–4 (13 ref.) (Eng. Abstr.) **(Jpn)**
[Obstruction of the pyelo-ureteral junction in adults. Diagnostic and therapeutic management] Rodríguez Vela L, et al. **Arch Esp Urol** 1989 Sep;42(7):629–46 (74 ref.) (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Suspected pyelo-ureteral junction obstruction in the fetus: when to do what? II. Experimental viewpoints. Josephson S. **Eur Urol** 1991;19(2):132–8 (71 ref.)

PATHOLOGY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the kidney, renal pelvis and ureter. Hard GC. **IARC Sci Publ** 1990;(99):301–44 (116 ref.)
Opposite renal pelvic metastasis of renal adenocarcinoma. Case report. Lindell OI, et al. **Scand J Urol Nephrol** 1991; 25(2):165–7 (7 ref.)

KIDNEY, POLYCYSTIC

COMPLICATIONS

[Unusual association of malakoplakia and renal polycystosis. A case report] López Pérez A, et al. **Arch Esp Urol** 1990 Sep;43(7):788–92 (81 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Current status of imaging indeterminate renal masses. Hartman DS, et al. **Radiol Clin North Am** 1991 May; 29(3):475–96 (56 ref.)
Diagnostic considerations in autosomal dominant polycystic kidney disease. Bennett WM. **Semin Nephrol** 1990 Nov; 10(6):552–5 (25 ref.)
[Autosomal dominant polycystic renal disease: a study of 5 familial cases] Puche López N, et al. **Aten Primaria** 1990 Oct;7(9):570–4 (17 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

The pathogenesis of polycystic kidney disease. Carone FA. **Contrib Nephrol** 1990;83:245–9 (15 ref.)

GENETICS

Autosomal dominant polycystic kidney disease—more than a renal disease. Gabow PA. **Am J Kidney Dis** 1990 Nov; 16(5):403–13 (98 ref.)
A "reverse genetic" approach to autosomal dominant polycystic kidney disease. Reeders ST. **Pediatr Nephrol** 1987 Jul;1(3):405–10 (21 ref.)
Diagnostic considerations in autosomal dominant polycystic kidney disease. Bennett WM. **Semin Nephrol** 1990 Nov; 10(6):552–5 (25 ref.)
[Autosomal dominant polycystic kidney in adults] Lugagne PM, et al. **Ann Urol (Paris)** 1990;24(4):265–71 (69 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Tubulocystic epithelium. Wilson PD, et al. **Kidney Int** 1991 Mar;39(3):450–63 (175 ref.)
[Multilocular renal cyst: clinico-pathological considerations apropos of a case and review of the literature] Javier Navarro F, et al. **Arch Esp Urol** 1991 Jan–Feb;44(1):9–14 (31 ref.) (Eng. Abstr.) **(Spa)**

ULTRASONOGRAPHY

[Ultrasonic follow up of spontaneous regression of neonatal abdominal cystic changes] Kis E, et al. **Orv Hetil** 1990 Dec 16;131(50):2743–5 (15 ref.) (Eng. Abstr.) **(Hun)**

KIDNEY STONES see **KIDNEY CALCULI**

KIDNEY TRANSPLANTATION

Hyperlipidemia after organ transplantation. Markell MS, et al. **Am J Med** 1989 Nov;87(5N):61N–67N (90 ref.)
Immunology of renal allograft rejection. Ratner LE, et al. **Arch Pathol Lab Med** 1991 Mar;115(3):283–7 (61 ref.)
Renal transplantation in children [see comments] Trompeter RS. **Br J Hosp Med** 1990 Oct;44(4):279–83 (31 ref.) Comment in: Br J Hosp Med 1991 Mar;45(3):136.
Kidney transplantation from anencephalic donors. Report of 5 cases and a review of the literature. Gomez-Campderà FJ, et al. **Child Nephrol Urol** 1990;10(3):143–9 (32 ref.)
Acute thrombosis of the renal transplant artery: a case report and review of the literature. Groggel GC. **Clin Nephrol** 1991 Jul;36(1):42–5 (15 ref.)
Clinical transplants 1988. Overview. Terasaki PI, et al. **Clin Transpl** 1988;:409–34 (25 ref.)
Problems in the long-term renal allograft recipient. Fabrega AJ, et al. **Crit Care Clin** 1990 Oct;6(4):979–1005 (115 ref.)
Renal transplantation. Frey DJ, et al. **Crit Care Clin** 1990 Oct;6(4):899–910 (12 ref.)
Fine-needle aspiration biopsy in renal transplantation: a review of cytologic features. Egidi MF. **Diagn Cytopathol** 1990;6(5):330–5 (51 ref.)
Acute renal allograft rejection: the role of monoclonal antibodies in treatment: experience with orthoclonal anti-T3 cell antibody. McLigeyo SO, et al. **East Afr Med J** 1990 Sep;67(9):667–73 (43 ref.)
Postoperative toxic shock syndrome. Hughes D, et al. **Iowa Med** 1991 Feb;81(2):55–8 (9 ref.)
Post transplant hypertension. Raman GV. **J Hum Hypertens** 1991 Feb;5(1):1–6 (46 ref.)
Atherosclerosis and lipid disorders after renal transplantation. Drüeke TB, et al. **Kidney Int Suppl** 1991 Apr;31:S24–8 (52 ref.)
The use of the kidney with an historical positive, and current negative crossmatch. Cardella CJ. **Pediatr Nephrol** 1991 Jan;5(1):126–9 (27 ref.)
Renal transplantation without steroids. Salaman JR. **Pediatr Nephrol** 1991 Jan;5(1):105–7 (18 ref.)
Nephrology, dialysis and transplantation. Farrington K, et al. **Postgrad Med J** 1990 Jul;66(777):502–25 (235 ref.)
Non-typhoid Salmonella in renal transplant recipients: a report of twenty cases and review of the literature. Dhar JM, et al. **Q J Med** 1991 Mar;78(287):235–50 (89 ref.)
Mycobacterial infection after renal transplantation—report of 14 cases and review of the literature. Qunibi WY, et al. **Q J Med** 1990 Oct;77(282):1039–60 (96 ref.)
The role of radiology in evaluation of the failing renal transplantation. Becker JA. **Radiol Clin North Am** 1991 May;29(3):511–26 (55 ref.)
Management of the injured renal transplant recipient. Urquhart CK, et al. **South Med J** 1991 Apr;84(4):524–6 (15 ref.)
Obesity and renal transplantation. Merion RM, et al. **Surg Gynecol Obstet** 1991 May;172(5):367–76 (20 ref.)
Reactivation of latent CMV in the rat. Bruggeman CA. **Transplant Proc** 1991 Jun;23(3 Suppl 3):22–4, discussion 24 (4 ref.)
Why is the pancreas special? Groth CG, et al. **Transplant Proc** 1991 Aug;23(4):2183–5 (14 ref.)
The present and future of kidney transplantation. Najarian JS, et al. **Transplant Proc** 1991 Aug;23(4):2075–82 (5 ref.)
Anemia associated with pregnancy in a cyclosporine-treated renal allograft recipient. Zeidan BS, et al. **Transplant Proc** 1991 Aug;23(4):2301–3 (20 ref.)
Treatment of Wegener's granulomatosis after renal transplantation: is cyclosporine the preferred treatment? Clarke AE, et al. **Transplantation** 1990 Dec;50(6):1047–51 (25 ref.)
Blood transfusion effects in kidney transplantation. Carpenter CB. **Yale J Biol Med** 1990 Sep–Oct;63(5):435–43 (32 ref.)
[Sporotrichoid form of M. marinum infection in a patient treated with cyclosporin following kidney transplantation] Dompmartin A, et al. **Ann Dermatol Venereol** 1991; 118(5):377–9 (29 ref.) **(Fre)**
[Infants born to kidney transplant recipients] Picaud JC, et al. **Arch Fr Pediatr** 1991 May;48(5):323–7 (28 ref.) (Eng. Abstr.) **(Fre)**
[Treatment of legionellosis with ofloxacin in kidney transplanted patients. Lack of interaction with cyclosporin A] Wynckel A, et al. **Presse Med** 1991 Feb 23;20(7):291–3 (11 ref.) (Eng. Abstr.) **(Fre)**
[Renal transplant patients and pregnancy] Bar T, et al. **Harefuah** 1991 Jan 1;120(1):30–2 (12 ref.) **(Heb)**
[Justification of pediatric programs and teams specializing in renal transplantation. Criteria for inclusion and limitation of pediatric renal transplantation] Navarro M, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 39:33–9 (35 ref.) **(Spa)**

ADVERSE EFFECTS

Imaging of vascular complications associated with renal transplants. Dodd GD 3d, et al. **AJR Am J Roentgenol** 1991 Sep;157(3):449–59 (52 ref.)
Post-transplant hypertension. Laskow DA, et al. **Am J Hypertens** 1990 Sep;3(9):721–5 (43 ref.)
Renal cell carcinoma of the native kidney after renal transplantation. A case report and review of the literature. Ishikawa I, et al. **Nephron** 1991;58(3):354–8 (22 ref.)
Distinguishing the causes of post-transplantation hypertension. Curtis JJ. **Pediatr Nephrol** 1991 Jan; 5(1):108–11 (33 ref.)
Opportunistic infections in children following renal transplantation. Harmon WE. **Pediatr Nephrol** 1991 Jan; 5(1):118–25 (80 ref.)
Prevention of cytomegalovirus infection in the pediatric renal transplant recipient. Hibberd PL, et al. **Pediatr Nephrol** 1991 Jan;5(1):112–7 (73 ref.)
Failure of two subsequent renal grafts by anti-GBM glomerulonephritis in Alport's syndrome: case report and review of the literature. Goldman M, et al. **Transpl Int** 1990 Jul;3(2):82–5 (13 ref.)
Cytomegalovirus vaccine development—past and present. Plotkin SA. **Transplant Proc** 1991 Jun;23(3 Suppl 3):85–9 (10 ref.)
[Pyelo-ureteral junction syndrome in a transplanted kidney] Héritier P, et al. **Ann Urol (Paris)** 1990;24(6):473–5 (6 ref.) (Eng. Abstr.) **(Fre)**
[Visceral leishmaniasis of favourable course in a patient with renal transplantation] Le Cacheux P, et al. **Rev Med Interne** 1990 May–Jun;11(3):250–1 (10 ref.) (Eng. Abstr.) **(Fre)**
[Pathomechanism of the development of chronic obliterative transplantation arteriopathy in human kidney allografts] Nádasdy T, et al. **Morphol Igazsagugyi Orv Sz** 1990 Jul; 30(3):208–19 (42 ref.) (Eng. Abstr.) **(Hun)**

IMMUNOLOGY

Improvement of cadaver renal transplantation outcomes with verapamil: a review. Dawidson I, et al. **Am J Med** 1991 May 17;90(5A):37S–41S (8 ref.)
HLA matching and kidney graft survival: a review. Tiwari JL. **Clin Transpl** 1986;:333–9 (60 ref.)
Blood transfusion and kidney graft survival: a review. Tiwari JL. **Clin Transpl** 1986;:341–3 (30 ref.)
Cyclosporine and kidney graft survival: a review. Tiwari JL. **Clin Transpl** 1986;:345–66 (279 ref.)
Renal transplantation. Kreis H, et al. **Curr Opin Immunol** 1989–90;2(6):831–6 (19 ref.)
Long-lasting kidney graft survival after immunization with antibody-coated blood cells: mediation by immunosuppressive autoantibodies. Terness P, et al. **Immunol Lett** 1990 Nov;26(2):139–44 (20 ref.)
Factors affecting early diagnosis of organ allograft rejection. Burdick JF, et al. **Transplant Proc** 1991 Aug;23(4):2047–51 (34 ref.)
New approaches to transplantation tolerance. Smith CV, et al. **Transplant Proc** 1991 Aug;23(4):2157–61 (27 ref.)
Notes on FK 506. Starzl TE, et al. **Transplant Proc** 1991 Aug;23(4):2178–9 (10 ref.)
[Pregnancy, labor and postpartum development after kidney transplantation and triple therapy with cyclosporin A—follow-up in relation to literature review] Bung P, et al. **Z Geburtshilfe Perinatol** 1991 Jan–Feb;195(1):43–5 (23 ref.) (Eng. Abstr.) **(Ger)**
[Results of clinical and experimental use of cyclosporin A (review of foreign literature)] Vorob'ev AA, et al. **Khirurgiia (Mosk)** 1990 Jun;(6):140–3 (67 ref.) **(Rus)**

METHODS

Renal transplantation. Catto G. **Practitioner** 1991 Feb; 235(1499):162, 164–5, 167 (3 ref.)

PATHOLOGY

Renal transplant ultrasound: imaging and Doppler. Pozniak MA, et al. **Semin Ultrasound CT MR** 1991 Aug; 12(4):319–34 (71 ref.)

PHYSIOLOGY

The renin-angiotensin system and renal function in kidney transplantation. Mimran A, et al. **Kidney Int Suppl** 1990 Nov;30:S114–7 (19 ref.)
Erythropoiesis and erythropoietin levels in renal transplant recipients. Wolff M, et al. **Klin Wochenschr** 1991 Jan 22; 69(2):53–8 (68 ref.)
Renal hemodynamic effects of calcium antagonists: implications for renal transplantation. Epstein M, et al. **Transplant Proc** 1991 Apr;23(2):1775–7 (15 ref.)

KIDNEY TRANSPLANTATION

REHABILITATION

[Rehabilitation of patients after allogeneic kidney transplantation] Belorusov OS, et al. **Khirurgiia (Mosk)** 1990 Sep;(9):157–60 (36 ref.) **(Rus)**

KIDNEY TUBULAR NECROSIS, ACUTE

CHEMICALLY INDUCED

Cyclosporin nephrotoxicity. Neild GH. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):198–203 (53 ref.)

PHYSIOPATHOLOGY

Effects of atrial natriuretic factor in ischemic renal injury: studies in the isolated erythrocyte-perfused rat kidney. Lieberthal W. **Clin Res** 1991 Apr;39(2):157–65 (30 ref.)

THERAPY

Treatment of acute tubular necrosis. Lieberthal W, et al. **Semin Nephrol** 1990 Nov;10(6):571–83 (213 ref.)

URINE

Ideas in pathology. Exfoliation of renal tubular cells. Racusen LC, et al. **Mod Pathol** 1991 May;4(3):368–70 (27 ref.)

KIDNEY TUBULAR TRANSPORT, INBORN ERRORS see **RENAL TUBULAR TRANSPORT, INBORN ERRORS**

KIDNEY TUBULES

ANATOMY & HISTOLOGY

Illumination, wavelength selection, and detection in fluorescence microscopy. Spring KR. **Kidney Int Suppl** 1991 Jul;33:S18–22 (30 ref.)

BLOOD SUPPLY

Role of the efferent arteriole in tubuloglomerular feedback. Davis JM. **Kidney Int Suppl** 1991 Jun;32:S71–3 (26 ref.)

CHEMISTRY

Renal glomerular and tubular insulin and insulin-like growth factor receptors. Meezan E, et al. **Contrib Nephrol** 1990; 83:60–6 (35 ref.)

CYTOLOGY

Ideas in pathology. Exfoliation of renal tubular cells. Racusen LC, et al. **Mod Pathol** 1991 May;4(3):368–70 (27 ref.)

DRUG EFFECTS

Tubular toxicity of filtered proteins. Ledingham JG. **Am J Nephrol** 1990;10 Suppl 1:52–7 (57 ref.)

Renal hemodynamic and tubular effects of angiotensins II and III. Huang WC. **Chin J Physiol** 1991;34(1):121–38 (50 ref.)

Metabolic interactions between drugs and renal tubulointerstitial cells: role in nephrotoxicity. Kaloyanides GJ. **Kidney Int** 1991 Mar;39(3):531–40 (95 ref.)

Cellular and molecular aspects of the renal effects of diuretic agents. Martinez-Maldonado M, et al. **Kidney Int** 1990 Oct; 38(4):632–41 (97 ref.)

Interactive effects of angiotensin II on renal hemodynamics and tubular reabsorptive function. Mitchell KD, et al. **Kidney Int Suppl** 1990 Nov;30:S69–73 (33 ref.)

Pharmacodynamic and kinetic considerations on diuretics as a basis for differential therapy. Knauf H, et al. **Klin Wochenschr** 1991 Apr 4;69(6):239–50 (57 ref.)

Morphology of renal tubular damage from nephrotoxins. Pfaller W, et al. **Toxicol Lett** 1990 Sep;53(1–2):39–43 (22 ref.)

GROWTH & DEVELOPMENT

Development of kidney tubular basement membranes. Abrahamson DR, et al. **Kidney Int** 1991 Mar;39(3):382–93 (126 ref.)

Maturation of renal potassium transport. Satlin LM. **Pediatr Nephrol** 1991 Mar;5(2):260–9 (100 ref.)

METABOLISM

Urinary proteins of tubular origin: basic immunochemical and clinical aspects. Scherberich JE. **Am J Nephrol** 1990;10 Suppl 1:43–51 (70 ref.)

Calcium handling by renal tubules during oxygen deprivation injury to the kidney prior to reoxygenation. Burke TJ, et al. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1319–24 (30 ref.)

Renal tubular arachidonic acid metabolism. Bonventre JV, et al. **Kidney Int** 1991 Mar;39(3):438–49 (165 ref.)

Basolateral membrane H/HCO3 transport in renal tubules [editorial] Preisig PA, et al. **Kidney Int** 1991 Jun; 39(6):1077–86 (109 ref.)

Renal tubular hyperkalaemia in childhood. Rodriguez-Soriano J, et al. **Pediatr Nephrol** 1988 Oct; 2(4):498–509 (115 ref.)

Maturation of renal potassium transport. Satlin LM. **Pediatr Nephrol** 1991 Mar;5(2):260–9 (100 ref.)

Influence of intrarenally generated angiotensin II on renal hemodynamics and tubular reabsorption. Mitchell KD, et al. **Renal Physiol Biochem** 1991 Jul–Oct;14(4–5):155–63 (38 ref.)

Involvement of tubular transport processes in nephrotoxicity. Bräunlich H. **Toxicol Lett** 1990 Sep;53(1–2):223–4 (6 ref.)

[Methods of assessing renal calcium reabsorption (review of the literature)] Pronchenko IA, et al. **Lab Delo** 1990;(6):4–9 (14 ref.) **(Rus)**

PATHOLOGY

Mechanisms of tubulointerstitial fibrosis. Kuncio GS, et al. **Kidney Int** 1991 Mar;39(3):550–6 (86 ref.)

Tubulocystic epithelium. Wilson PD, et al. **Kidney Int** 1991 Mar;39(3):450–63 (175 ref.)

Molecular mechanisms of tubulointerstitial hypertrophy and hyperplasia. Wolf G, et al. **Kidney Int** 1991 Mar; 39(3):401–20 (321 ref.)

High dietary cholesterol prevents renal tubular lesions in diabetic rats. **Nutr Rev** 1991 Feb;49(2):60–2 (14 ref.)

Tubulointerstitial injury following glomerulonephritis. Yee J, et al. **Semin Nephrol** 1991 May;11(3):361–6 (48 ref.)

PHYSIOLOGY

Contribution of the tubuloglomerular feedback mechanism to sodium homeostasis and interaction with the renin-angiotensin system. Navar LG, et al. **Acta Physiol Scand Suppl** 1990;591:66–73 (27 ref.)

Physiologic adaptations of the tubuloglomerular feedback system. Blantz RC, et al. **Kidney Int** 1990 Oct;38(4):577–83 (46 ref.)

Disorders of distal acidification. Kurtzman NA. **Kidney Int** 1990 Oct;38(4):720–7 (49 ref.)

Countercurrent system. Sands JM, et al. **Kidney Int** 1990 Oct; 38(4):695–9 (64 ref.)

Tubuloglomerular feedback activity after acute reductions in renal mass. Blantz RC, et al. **Kidney Int Suppl** 1991 Jun; 32:S102–5 (15 ref.)

Comparative kidney tubule sources, isolation, perfusion, and function. Beyenbach KW, et al. **Methods Enzymol** 1990; 191:167–226 (92 ref.)

Macula densa control of renin secretion. Briggs JP, et al. **Renal Physiol Biochem** 1991 Jul–Oct;14(4–5):164–74 (32 ref.)

PHYSIOPATHOLOGY

The renal tubulointerstitium in diabetes mellitus. Ziyadeh FN, et al. **Kidney Int** 1991 Mar;39(3):464–75 (139 ref.)

Acute renal failure: the glomerular and tubular connection. Bird JE, et al. **Pediatr Nephrol** 1987 Jul;1(3):348–58 (42 ref.)

KIDNEY TUBULES, COLLECTING

CYTOLOGY

Organization of collecting duct intercalated cells. Schuster VL. **Kidney Int** 1990 Oct;38(4):668–72 (59 ref.)

METABOLISM

Cellular mechanisms of prostaglandin E2 and vasopressin interactions in the collecting duct. Breyer MD, et al. **Kidney Int** 1990 Oct;38(4):618–24 (46 ref.)

Factors governing sodium and chloride transport across the inner medullary collecting duct. Rocha AS, et al. **Kidney Int** 1990 Oct;38(4):654–67 (80 ref.)

Sodium and potassium transport by the collecting duct. Stokes JB. **Kidney Int** 1990 Oct;38(4):679–86 (77 ref.)

Cellular mechanisms of chloride transport in the cortical collecting duct. Dietl P, et al. **Kidney Int Suppl** 1991 Jul; 33:S125–30 (38 ref.)

Mechanism and regulation of proton transport in the outer medullary collecting duct. Jacobson HR, et al. **Kidney Int Suppl** 1991 Jul;33:S51–6 (27 ref.)

Cellular mechanisms of Cl- transport in outer medullary collecting duct. Koeppen B, et al. **Kidney Int Suppl** 1991 Jul;33:S131–5 (26 ref.)

Ammonium transport in collecting ducts. Flessner MF, et al. **Miner Electrolyte Metab** 1990;16(5):299–307 (36 ref.)

Triple signal transduction model for the mechanism of PGE2 actions in rabbit cortical collecting duct. Hébert RL, et al. **Prostaglandins Leukot Essent Fatty Acids** 1991 Mar; 42(3):143–8 (36 ref.)

H+/OH-/HCO3- transport mechanisms in the inner stripe of the outer medullary collecting duct. Hays SR. **Semin Nephrol** 1991 Jan;11(1):45–54 (93 ref.)

Regulation of cell pH and sodium transport in inner medullary collecting duct. Kleinman JG. **Semin Nephrol** 1991 Jan;11(1):55–64 (52 ref.)

PHYSIOLOGY

Regulation of water and salt transport in collecting duct through calcium-dependent signaling mechanisms. Breyer MD. **Am J Physiol** 1991 Jan;260(1 Pt 2):F1–11 (110 ref.)

Role of the thick ascending limb and inner medullary collecting duct in the regulation of urinary acidification. DuBose TD Jr, et al. **Semin Nephrol** 1991 Mar;11(2):120–8 (62 ref.)

SECRETION

Cortical collecting duct bicarbonate secretion. Schuster VL. **Kidney Int Suppl** 1991 Jul;33:S47–50 (30 ref.)

ULTRASTRUCTURE

[Ultrastructural changes in the cells of the vasopressin-sensitive epithelia during the stimulation of water transport] Snigirevskaia ES. **Tsitologiia** 1990; 32(8):766–94 (242 ref.) (Eng. Abstr.) **(Rus)**

KIDNEY TUBULES, DISTAL

BLOOD SUPPLY

The afferent arteriole--the target for macula densa-generated signals. Schnermann J, et al. **Kidney Int Suppl** 1991 Jun; 32:S74–7 (33 ref.)

METABOLISM

Transport pathways in macula densa cells. Bell PD, et al. **Kidney Int Suppl** 1991 Jun;32:S59–64 (25 ref.)

KIDNEY TUBULES, PROXIMAL

CYTOLOGY

Studies of terminal differentiation of electrolyte transport in the renal proximal tubule using short-term primary cultures. Larsson SH, et al. **Pediatr Nephrol** 1989 Jul; 3(3):363–8 (45 ref.)

DRUG EFFECTS

Renal proximal tubular cells in suspension or in primary culture as in vitro models to study nephrotoxicity. Boogaard PJ, et al. **Chem Biol Interact** 1990;76(3):251–91 (261 ref.)

EMBRYOLOGY

Structural and functional development of outer versus inner cortical proximal tubules. Welling LW, et al. **Pediatr Nephrol** 1988 Jan;2(1):108–14 (16 ref.)

IMMUNOLOGY

Antibody-mediated injury of the proximal tubule epithelium. Noble B, et al. **Immunol Ser** 1990;52:323–43 (49 ref.)

METABOLISM

Regulation of proximal tubule sodium reabsorption by angiotensin II (AII) and atrial natriuretic factor (ANF). Harris PJ, et al. **Acta Physiol Scand Suppl** 1990;591:63–5 (24 ref.)

Synergistic intrarenal actions of angiotensin on tubular reabsorption and renal hemodynamics. Navar LG, et al. **Am J Hypertens** 1991 Jan;4(1 Pt 1):90–6 (24 ref.)

Cellular model of proximal tubule NaCl and NaHCO3 absorption. Moe OW, et al. **Kidney Int** 1990 Oct; 38(4):605–11 (90 ref.)

Chronic adaptations in proximal tubular H/HCO3 transporters. Alpern RJ, et al. **Kidney Int Suppl** 1991 Jul; 33:S29–32 (39 ref.)

Intracellular pH regulation in epithelial cells. Chen LK, et al. **Kidney Int Suppl** 1991 Jul;33:S11–7 (41 ref.)

Signaling mechanisms coupled to the angiotensin receptor of proximal tubular epithelium. Douglas JG, et al. **Kidney Int Suppl** 1990 Nov;30:S43–7 (37 ref.)

Transport mechanisms in kidney proximal tubule examined using chloride-sensitive fluorescent indicators. Verkman AS, et al. **Kidney Int Suppl** 1991 Jul;33:S103–8 (42 ref.)

Ammonia transport in the proximal tubule. Hamm LL, et al. **Miner Electrolyte Metab** 1990;16(5):283–90 (31 ref.)

Ammonia production and secretion by isolated perfused proximal tubule segments. Nagami GT. **Miner Electrolyte Metab** 1990;16(5):259–63 (22 ref.)

Polarity, diversity, and plasticity in proximal tubule transport systems. Kinne RK. **Pediatr Nephrol** 1988 Oct;2(4):477–84 (73 ref.)

Angiotensin II and proximal tubule sodium transport. Yanagawa N. **Renal Physiol Biochem** 1991 Jul–Oct; 14(4–5):208–15 (29 ref.)

Mechanism of proximal NaCl reabsorption in the proximal tubule of the mammalian kidney. Berry CA, et al. **Semin Nephrol** 1991 Mar;11(2):86–97 (86 ref.)

A discussion of Ambystoma kidney tubule ion channels, transporters, and pH regulation. Bock JF. **Yale J Biol Med** 1990 Nov–Dec;63(6):557–63 (18 ref.)

PHYSIOLOGY

Intrarenal control of GFR, with special reference to proximal reabsorption. Leyssac PP, et al. **Acta Physiol Scand Suppl** 1990;591:74–8 (13 ref.)

Cellular mechanisms in proximal tubular reabsorption of inorganic phosphate. Murer H, et al. **Am J Physiol** 1991 May;260(5 Pt 1):C885–99 (159 ref.)

Reclamation of filtered bicarbonate. DuBose TD Jr. **Kidney Int** 1990 Oct;38(4):584–9 (88 ref.)

Angiotensin II actions in the rabbit proximal tubule. Angiotensin II mediated signaling mechanisms and electrolyte transport in the rabbit proximal tubule. Romero MF, et al. **Renal Physiol Biochem** 1991 Jul–Oct;

14(4–5):199–207 (34 ref.)
Regulation of proximal reabsorption by effective arterial blood volume. Seldin DW, et al. **Semin Nephrol** 1991 Mar; 11(2):212–9 (71 ref.)

KIENBOECK'S DISEASE see **OSTEOCHONDRITIS**

KIESELGUHR

ADVERSE EFFECTS

Historical perspectives in occupational medicine. Diatomaceous earth silicosis. Abrams HK. **Am J Ind Med** 1990;18(5):591–7 (31 ref.)

KILLED VACCINES see **VACCINES, INACTIVATED**

KILLER CELLS

see related
ANTIBODY-DEPENDENT CELL CYTOTOXICITY

IMMUNOLOGY

Activated killer monocytes: preclinical model systems. Shinomiya H, et al. **Immunol Ser** 1989;48:101–26 (87 ref.)
[The role of LGL cells (NK and K) in periodontal disease] Matarasso S, et al. **Minerva Stomatol** 1991 Apr;40(4):219–23 (7 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

Migration of immunomodulated cultured lymphocytes in malignant tumors. McAfee JG. **Prog Clin Biol Res** 1990; 355:105–14 (22 ref.)

KILLER CELLS, LYMPHOKINE-ACTIVATED

see related
IMMUNOTHERAPY, ADOPTIVE
INTERLEUKIN-2

DRUG EFFECTS

Lymphokine-activated killer lymphocytes: evidence for regulation of induction and function by multiple cytokines. Owen-Schaub LB, et al. **Immunol Ser** 1989;48:19–35 (48 ref.)

IMMUNOLOGY

The IL-2 mediated amplification of cellular cytotoxicity. Grimm EA, et al. **J Cell Biochem** 1991 Apr;45(4):335–9 (17 ref.)
The preparation of effector cells for use in the adoptive cellular immunotherapy of human cancer. Yannelli JR. **J Immunol Methods** 1991 May 17;139(1):1–16 (89 ref.)
Cell surface recognition determinants involved in triggering the lymphokine activated killer cell phenomenon: enhanced killing of modified "anti-self" targets by varying LAK culture conditions. Finkelstein DM, et al. **J Otolaryngol** 1990 Oct;19(5):294–8 (31 ref.)
Interleukin-2, killer cells and cancer therapy: an overview. Parkinson DR, et al. **Nat Immun Cell Growth Regul** 1990; 9(4):237–41 (22 ref.)
[Immunotherapy of malignant diseases using interleukin 2. Bases, results, trends] Gause A, et al. **Med Klin** 1990 Sep 15;85(9):561–6, 570 (47 ref.) **(Ger)**

PHYSIOLOGY

Adoptive cellular immunotherapy for cancer: interleukin-2 activated lymphocytes. Wolf JA Jr, et al. **Curr Opin Oncol** 1989 Dec;1(2):249–57 (28 ref.)

TRANSPLANTATION

[The rationale and practice of CTL therapy against cancer in the mouse and human] Fujimoto S. **Hum Cell** 1989 Jun; 2(2):109–21 (15 ref.) (Eng. Abstr.) **(Jpn)**

KILLER CELLS, NATURAL

CYTOLOGY

Biology and clinical relevance of human natural killer cells. Robertson MJ, et al. **Blood** 1990 Dec 15;76(12):2421–38 (250 ref.)
[Pit cells—a tissue form of large granule-containing lymphocytes with natural killer activity] Berezhov NV. **Arkh Anat Gistol Embriol** 1991 Mar;100(3):5–15 (89 ref.) (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

[The effect of corticosteroids and estrogens on the function of natural killers] Shparik IaV, et al. **Probl Endokrinol (Mosk)** 1990 Nov-Dec;36(6):84–9 (80 ref.) **(Rus)**
[Indomethacin as a modulator of the activity of natural killer cells (a review of the literature)] Shparyk IaV. **Vrach Delo** 1990 Aug;(8):32–6 (37 ref.) **(Rus)**

IMMUNOLOGY

Cellular mechanisms of lymphocyte-mediated lysis of tumor cells. Arancia G, et al. **Ann Ist Super Sanita** 1990; 26(3–4):369–84 (178 ref.)
The biology of human natural killer cells. Whiteside TL, et al. **Ann Ist Super Sanita** 1990;26(3–4):335–48 (79 ref.)
MHC restricted and non-restricted killer lymphocytes. Rees RC. **Blood Rev** 1990 Sep;4(3):204–10 (48 ref.)
Natural killer cells: immunobiology and clinical prospects. Lotzová E. **Cancer Invest** 1991;9(2):173–84 (111 ref.)
Target structures involved in natural killing (NK): characteristics, distribution, and candidate molecules. Storkus WJ, et al. **Crit Rev Immunol** 1991;10(5):393–416 (313 ref.)
Lymphokine-activated killer cells, natural killer cells and cytokines. Perussia B. **Curr Opin Immunol** 1991 Feb; 3(1):49–55 (48 ref.)
Contribution of CR3, CD11b/CD18 to cytolysis by human NK cells. Klein E, et al. **Mol Immunol** 1990 Dec; 27(12):1343–7 (27 ref.)
Natural killer cells: history, relevance, and clinical applications. Oldham RK. **Nat Immun Cell Growth Regul** 1990;9(5):297–312 (146 ref.)
Interleukin-2, killer cells and cancer therapy: an overview. Parkinson DR, et al. **Nat Immun Cell Growth Regul** 1990; 9(4):237–41 (22 ref.)
[The role of LGL cells (NK and K) in periodontal disease] Matarasso S, et al. **Minerva Stomatol** 1991 Apr;40(4):219–23 (7 ref.) (Eng. Abstr.) **(Ita)**
[Natural killer cells in the clinical picture of hematologic malignancies] Shparyk IaV, et al. **Gematol Transfuziol** 1990 Sep;35(9):27–30 (77 ref.) **(Rus)**
[Effect of surgical stress on cytotoxicity of the natural killer cells] Zlochevskaia LL. **Klin Khir** 1990;(8):42–7 (74 ref.) **(Rus)**
[Natural killer cells and their protective role in viral infections] Shidlovskaia NK. **Vestn Akad Med Nauk SSSR** 1991;(4):27–32 (50 ref.) (Eng. Abstr.) **(Rus)**
[Natural killer cells in the interferon therapy of cancer patients] Shparyk IaV, et al. **Vopr Onkol** 1991;37(2):136–43 (52 ref.) **(Rus)**

PHYSIOLOGY

Extracellular ATP as a possible mediator of cell-mediated cytotoxicity. Di Virgilio F, et al. **Immunol Today** 1990 Aug; 11(8):274–7 (29 ref.)
A view to a kill: cytotoxic mechanisms of human polymorphonuclear leukocytes compared with monocytes and natural killer cells. van Kessel KP, et al. **Pathobiology** 1990;58(5):249–64 (150 ref.)
[Genetic mechanisms for the regulation of natural killer cell activity] Shparyk IaV, et al. **Tsitol Genet** 1990 Nov-Dec; 24(6):57–63 (39 ref.) (Eng. Abstr.) **(Rus)**

KILLER PHENOTYPE see **PHENOTYPE**

KIMURA DISEASE see **ANGIOLYMPHOID HYPERPLASIA WITH EOSINOPHILIA**

KINASES see **PHOSPHOTRANSFERASES, ATP**

KINDLING (NEUROLOGY)

[Neuronal mechanisms underlying the kindling model of epilepsy] Maru E. **Nippon Ika Daigaku Zasshi** 1991 Feb; 58(1):4–10 (58 ref.) **(Jpn)**

DRUG EFFECTS

Chronic administration of negative modulators produces chemical kindling and GABAA receptor down-regulation. Corda MG, et al. **Adv Biochem Psychopharmacol** 1990; 46:153–66 (52 ref.)

PHYSIOLOGY

Changes in synaptic transmission in the kindled hippocampus. Heinemann U, et al. **Adv Exp Med Biol** 1990;268:445–50 (33 ref.)
NMDA receptor plasticity in the kindling model. McNamara JO, et al. **Adv Exp Med Biol** 1990;268:451–9 (47 ref.)
Kindling: basic mechanisms and clinical validity. Sato M, et al. **Electroencephalogr Clin Neurophysiol** 1990 Nov; 76(5):459–72 (110 ref.)
Experimental models of temporal lobe epilepsy: new insights from the study of kindling and synaptic reorganization. Sutula TP. **Epilepsia** 1990;31 Suppl 3:S45–54 (56 ref.)
Intractability of complex partial seizure with secondary generalization: kindling studies in cats. Sato M. **Tohoku J Exp Med** 1990 Aug;161 Suppl:253–71 (67 ref.)
[Kindling as a model for the formation of behavioral disorders] Shandra AA, et al. **Usp Fiziol Nauk** 1990 Oct-Dec;21(4):50–67 (83 ref.) **(Rus)**

KINESTHESIS

PHYSIOLOGY

A critical review of Luneburg's model with regard to global structure of visual space. Indow T. **Psychol Rev** 1991 Jul; 98(3):430–53 (125 ref.)

KINETICS, DRUG see **PHARMACOKINETICS**

KININASE II

[ACE: physiopathology and role in the diagnosis and prognosis of systemic granulomatosis, neoplasms and lung toxicity caused by antineoplastic agents] Lauta VM. **Recenti Prog Med** 1990 Sep;81(9):601–13 (96 ref.) (Eng. Abstr.) **(Ita)**

METABOLISM

Tissue and plasma angiotensin converting enzyme and the response to ACE inhibitor drugs. MacFadyen RJ, et al. **Br J Clin Pharmacol** 1991 Jan;31(1):1–13 (191 ref.)

PHARMACOKINETICS

Tissue angiotensin converting enzyme inhibition. Relevant to clinical practice? Lees KR, et al. **Am J Hypertens** 1990 Nov;3(11):266S–272S (71 ref.)

PHYSIOLOGY

Angiotensin I converting enzyme and the changes in our concepts through the years. Lewis K. Dahl memorial lecture. Erdös EG. **Hypertension** 1990 Oct;16(4):363–70 (62 ref.)
Angiotensin converting enzyme: implications from molecular biology for its physiological functions. Hooper NM. **Int J Biochem** 1991;23(7–8):641–7 (53 ref.)
Renal metabolism of angiotensin I and II. Erdös EG, et al. **Kidney Int Suppl** 1990 Nov;30:S24–7 (39 ref.)

KININASE II INHIBITORS see **ANGIOTENSIN-CONVERTING ENZYME INHIBITORS**

KININOGENASE see **KALLIKREIN**

KININOGENS

GENETICS

Molecular biology of the angiotensinogen and kininogen genes. Kitamura N, et al. **J Cardiovasc Pharmacol** 1987;10 Suppl 7:S49–53 (25 ref.)

KININOGENS, HIGH MOLECULAR WEIGHT see **KININOGENS**

KININOGENS, LOW MOLECULAR WEIGHT see **KININOGENS**

KININS

PHYSIOLOGY

Vasoactive peptides and their receptors. Regoli D, et al. **Blood Vessels** 1990;27(2–5):137–45 (24 ref.)
Kinin-related effects of angiotensin-converting enzyme inhibition. Bönner G. **Clin Physiol Biochem** 1990;8 Suppl 1:6–15 (46 ref.)
Fibrinolysin system and vasoactive kinins. Back N. **Fed Proc** 1966 Jan-Feb;25(1):77–83 (88 ref.)
Cardiac nociceptive reflexes: role of kinins, prostanoids and capsaicin-sensitive afferents. Staszewska-Woolley J, et al. **Pol J Pharmacol Pharm** 1990 May-Jun;42(3):237–47 (39 ref.)
[Receptors for bradykinin and related kinins—their characteristics and role] Shisheva A. **Eksp Med Morfol** 1990;29(3):68–74 (34 ref.) **(Bul)**
[Mediators of immunologic inflammation of the respiratory tract] Miadonna A, et al. **Boll Ist Sieroter Milan** 1988; 67(5–6):369–76 (62 ref.) (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Kinin/prostaglandin system: its therapeutic value in surgical stress. Hartl WH, et al. **Crit Care Med** 1990 Oct; 18(10):1167–74 (134 ref.)

TOXICITY

Neurotoxic kinins from wasp and ant venoms. Piek T. **Toxicon** 1991;29(2):139–49 (46 ref.)

KINKY HAIR SYNDROME

COMPLICATIONS

[A case of Menkes' kinky hair disease with a renal calculus and diverticula of the bladder] Iuchi H, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Jun;82(6):994–7 (9 ref.) (Eng. Abstr.) **(Jpn)**

KIRSCHNER WIRES see **BONE WIRES**

KITS, DIAGNOSTIC REAGENT see **REAGENT KITS, DIAGNOSTIC**

KLEBSIELLA

ANALYSIS

Phenotypic variations in cell envelope proteins of Klebsiella aerogenes. Sterkenburg A, et al. **Microbiol Sci** 1985 May; 2(5):148–51 (23 ref.)

KLEBSIELLA

CLASSIFICATION

State of the art in typing: Klebsiella spp. Ayling-Smith B, et al. **J Hosp Infect** 1990 Nov;16(4):287-95 (48 ref.)

KLEBSIELLA AEROGENES see **KLEBSIELLA PNEUMONIAE**

KLEBSIELLA INFECTIONS

DRUG THERAPY

Impact of the antibiotic dosage schedule on efficacy in experimental lung infections. Roosendaal R, et al. **Scand J Infect Dis Suppl** 1990;74:155-62 (17 ref.)

EPIDEMIOLOGY

State of the art in typing: Klebsiella spp. Ayling-Smith B, et al. **J Hosp Infect** 1990 Nov;16(4):287-95 (48 ref.)

KLEBSIELLA PNEUMONIAE

DRUG EFFECTS

Impact of the antibiotic dosage schedule on efficacy in experimental lung infections. Roosendaal R, et al. **Scand J Infect Dis Suppl** 1990;74:155-62 (17 ref.)

GENETICS

The nitrogen fixation genes of Klebsiella pneumoniae: a model system. Drummond MH. **Microbiol Sci** 1984 May; 1(2):29-33 (29 ref.)

Nucleotide sequence of rmpB, a Klebsiella pneumoniae gene that positively controls, colanic biosynthesis in Escherichia coli. Vasselon T, et al. **Res Microbiol** 1991 Jan;142(1):47-54 (34 ref.)

METABOLISM

Bacterial energy transductions coupled to sodium ions. Dimroth P. **Res Microbiol** 1990 Mar-Apr;141(3):332-6 (19 ref.)

KLEIN-WAARDENBURG SYNDROME see **WAARDENBURG'S SYNDROME**

KLENOW FRAGMENT see **DNA POLYMERASE I**

KLEPTOMANIA see **IMPULSE CONTROL DISORDERS**

KLINEFELTER'S SYNDROME

The Klinefelter syndrome of testicular dysgenesis. Schwartz ID, et al. **Endocrinol Metab Clin North Am** 1991 Mar; 20(1):153-63 (57 ref.)

COMPLICATIONS

Klinefelter's syndrome associated with progressive systemic sclerosis: report of a case and review of the literature. Kobayashi S, et al. **Clin Rheumatol** 1991 Mar;10(1):84-6 (16 ref.)

[Immature teratoma of the testis associated with Klinefelter's syndrome: a case report] Tada M, et al. **Hinyokika Kiyo** 1990 Dec;36(12):1471-4 (14 ref.) (Eng. Abstr.) **(Jpn)**

[Hematologic malignancies associated with Klinefelter's syndrome] Oguma N. **Rinsho Ketsueki** 1991 Jan;32(1):1-5 (13 ref.) **(Jpn)**

DIAGNOSIS

A review of Klinefelter's syndrome in children and adolescents [published erratum appears in J Am Acad Child Adolesc Psychiatry 1991 May;30(3):516] Mandoki MW, et al. **J Am Acad Child Adolesc Psychiatry** 1991 Mar; 30(2):167-72 (63 ref.)

DRUG THERAPY

Androgen therapy in Klinefelter syndrome during adolescence. Winter JS. **Birth Defects** 1990;26(4):235-45 (24 ref.)

GENETICS

[Clinical study and hormonal evaluation of a 48, XXYY male. Comparison with previously published cases] Forga L, et al. **Rev Med Univ Navarra** 1990 Jul-Sep;34(3):138-40 (15 ref.) (Eng. Abstr.) **(Spa)**

KLIPPEL-FEIL SYNDROME

COMPLICATIONS

Cervical neurenteric fistula causing recurrent meningitis in Klippel-Feil sequence: case report and literature review. Gumerlock MK, et al. **Pediatr Infect Dis J** 1991 Jul; 10(7):532-5 (24 ref.)

[Total anomalous pulmonary venous connection associated with Klippel-Feil syndrome: a case report] Masuda H, et al. **Kyobu Geka** 1991 May;44(5):417-20 (16 ref.) (Eng. Abstr.) **(Jpn)**

KLIPPEL-TRENAUNAY DISEASE

[Clinical and therapeutic aspects of the Klippel-Trenaunay syndrome] Cano I, et al. **Cir Pediatr** 1988 Jul;1(3):134-6 (15 ref.) (Eng. Abstr.) **(Spa)**

KLORAMFENIKOL see **CHLORAMPHENICOL**

KNEE

The effect of bracing on the collateral ligaments of the knee. Baker BE. **Clin Sports Med** 1990 Oct;9(4):843-51 (44 ref.)

Laboratory evaluation of prophylactic knee brace performance under dynamic valgus loading using a surrogate leg model. Brown TD, et al. **Clin Sports Med** 1990 Oct;9(4):751-62 (13 ref.)

Postoperative knee bracing. Cawley PW. **Clin Sports Med** 1990 Oct;9(4):763-70 (12 ref.)

Choosing functional knee braces. France EP, et al. **Clin Sports Med** 1990 Oct;9(4):743-50 (10 ref.)

In vitro assessment of prophylactic knee brace function. France EP, et al. **Clin Sports Med** 1990 Oct;9(4):823-41 (44 ref.)

The use of knee braces during rehabilitation. Nelson KA. **Clin Sports Med** 1990 Oct;9(4):799-811 (40 ref.)

The history and classification of knee braces. Wirth MA, et al. **Clin Sports Med** 1990 Oct;9(4):731-41 (58 ref.)

[Stress fractures of the tibia: uncommon mechanical complication of osteoarthritis of the knee. Report of 3 cases] Gacon G, et al. **Rev Chir Orthop** 1990;76(3):209-14 (16 ref.) (Eng. Abstr.) **(Fre)**

[Angiosarcoma after total knee prosthesis. Apropos of a case] Himmer O, et al. **Rev Chir Orthop** 1991;77(2):125-9 (51 ref.) (Eng. Abstr.) **(Fre)**

[Skin manifestations of infection by Borrelia burgdorferi] Soria C, et al. **Enferm Infecc Microbiol Clin** 1990 Jan; 8(1):36-42 (60 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Magnetic resonance imaging of the knee. 3 cases of pigmented villonodular synovitis] Adam P, et al. **J Radiol** 1991 Mar;72(3):141-7 (12 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Chronic anterior knee pain in the adolescent. Goldberg B. **Pediatr Ann** 1991 Apr;20(4):186-7, 190-3 (24 ref.)

RADIOGRAPHY

Magnetic resonance knee arthrography. Enhanced contrast by gadolinium complex in the rabbit and in humans. Engel A. **Acta Orthop Scand Suppl** 1990;240:1-57 (80 ref.)

SURGERY

Knee surgery. Scuderi GR, et al. **Curr Opin Rheumatol** 1990 Feb;2(1):160-2 (13 ref.)

KNEE INJURIES

COMPLICATIONS

Knee ligament injuries combined with ipsilateral tibial and femoral diaphyseal fractures: the "floating knee". van Raay JJ, et al. **Arch Orthop Trauma Surg** 1991;110(2):75-7 (17 ref.)

[Post-traumatic hemarthrosis of the knee and arthroscopy. Review of 161 cases] Cazenave A, et al. **J Chir (Paris)** 1990 Nov;127(11):522-7 (21 ref.) (Eng. Abstr.) **(Fre)**

[Synovial chondromatosis of the knee joint] Csernátony Z, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1991; 34(1):53-6 (20 ref.) (Eng. Abstr.) **(Hun)**

DIAGNOSIS

Musculoskeletal trauma: management and complications. Harris JH Jr. **Curr Opin Radiol** 1990 Oct;2(5):669-77 (22 ref.)

Trauma to elbows, knees, and ankles. Hodge D 3d, et al. **Pediatr Emerg Care** 1991 Jun;7(3):188-94 (8 ref.)

Magnetic resonance imaging of knee trauma. Bassett LW, et al. **Skeletal Radiol** 1990;19(6):401-5 (24 ref.)

Magnetic resonance imaging in the evaluation of knee injuries. Boeve BF, et al. **South Med J** 1991 Sep; 84(9):1123-7 (24 ref.)

[Magnetic resonance imaging in knee injuries] Shahabpour M, et al. **Acta Orthop Belg** 1990;56(2):423-30 (26 ref.) (Eng. Abstr.) **(Fre)**

[Knee arthroscopy: special diagnosis and surgical techniques] Imhoff A. **Aktuel Probl Chir Orthop** 1991;40:44-63 (44 ref.) **(Ger)**

[MR imaging and disorders in orthopedics] Yoshikawa K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1991 May; 65(5):382-94 (34 ref.) **(Jpn)**

PHYSIOPATHOLOGY

[Patellofemoral pain. Diagnosis and treatment] Engebretsen L, et al. **Tidsskr Nor Laegeforen** 1991 Jun 20; 111(16):1949-52 (67 ref.) (Eng. Abstr.) **(Nor)**

PREVENTION & CONTROL

Clinical significance and evaluation of prophylactic knee brace studies in football. Requa RK, et al. **Clin Sports Med** 1990 Oct;9(4):853-69 (11 ref.)

A review of the use of prophylactic knee braces in football. Requa RK, et al. **Pediatr Clin North Am** 1990 Oct; 37(5):1165-73 (11 ref.)

REHABILITATION

The effect of bracing on the collateral ligaments of the knee. Baker BE. **Clin Sports Med** 1990 Oct;9(4):843-51 (44 ref.)

Functional analysis of anterior cruciate ligament braces. Branch TP, et al. **Clin Sports Med** 1990 Oct;9(4):771-97 (28 ref.)

Postoperative knee bracing. Cawley PW. **Clin Sports Med** 1990 Oct;9(4):763-70 (12 ref.)

Choosing functional knee braces. France EP, et al. **Clin Sports Med** 1990 Oct;9(4):743-50 (10 ref.)

The use of knee braces during rehabilitation. Nelson KA. **Clin Sports Med** 1990 Oct;9(4):799-811 (40 ref.)

Current concepts in anterior cruciate ligament rehabilitation. Shelbourne KD, et al. **Orthop Rev** 1990 Nov;19(11):957-64 (32 ref.)

SURGERY

Injured ligaments of the knee. Tubbs N. **Injury** 1990 Sep; 21(5):291-3 (20 ref.)

[Procedures for repairing skin losses of the knee with joint exposure] Tropet Y, et al. **Rev Chir Orthop** 1991; 77(3):198-204 (17 ref.) (Eng. Abstr.) **(Fre)**

[Arthroscopy--surgical therapy in anterior cruciate ligament rupture] Benedetto KP. **Aktuel Probl Chir Orthop** 1991; 40:77-84 (31 ref.) **(Ger)**

[Surgical possibilities in knee arthroscopy] Glinz W. **Aktuel Probl Chir Orthop** 1991;40:64-76 (30 ref.) **(Ger)**

THERAPY

The assessment of work-related activities and limitations in knee disorders. Noyes FR, et al. **Am J Sports Med** 1991 Mar-Apr;19(2):178-88 (20 ref.)

Traumatic dislocation of the knee. Walls RM, et al. **J Emerg Med** 1984;1(6):527-31 (22 ref.)

Treatment of acute knee injuries with anterior cruciate lesions (ACL injuries). **Schweiz Z Sportmed** 1991 Jun;39(2):61-2 (0 ref.)

ULTRASONOGRAPHY

[Ultrasonic diagnosis of pathological changes of the knee] Csókási Z, et al. **Orv Hetil** 1991 Jun 30;132(26):1427-31 (24 ref.) (Eng. Abstr.) **(Hun)**

KNEE JOINT

Cactus thorn synovitis. Zoltan JD. **Arthroscopy** 1991; 7(2):244-5 (7 ref.)

The medical management of osteoarthritis of the knee: an inflammatory issue? McAlindon T, et al. **Br J Rheumatol** 1990 Dec;29(6):471-3 (40 ref.)

Bracing for patellar instability. Cherf J, et al. **Clin Sports Med** 1990 Oct;9(4):813-21 (20 ref.)

Salmonella septic arthritis: a case report and review. Morgan MG, et al. **J Infect** 1990 Sep;21(2):195-203 (28 ref.)

Aggressive rehabilitation protocol following anterior cruciate ligament reconstruction (bone-patella-bone). Barrett GR, et al. **J Miss State Med Assoc** 1991 Feb;32(2):45-8 (5 ref.)

Imaging rounds #105. Congenital dislocation of the knee [published erratum appears in Orthop Rev 1991 Apr;20(4):311] Lenke LG, et al. **Orthop Rev** 1991 Mar; 20(3):295-6, 300, 304 (12 ref.)

[Knee arthroscopy: special diagnosis and surgical techniques] Imhoff A. **Aktuel Probl Chir Orthop** 1991;40:44-63 (44 ref.) **(Ger)**

[The diagnostic possibilities in arthroscopy of the knee joint] Glinz W. **Dtsch Med Wochenschr** 1990 Nov 30; 115(48):1838-41 (18 ref.) **(Ger)**

[Algodystrophy in pregnancy] Wurnig C, et al. **Z Orthop** 1991 Mar-Apr;129(2):146-50 (24 ref.) (Eng. Abstr.) **(Ger)**

[Surgical treatment of gonarthrosis] Assennato G, et al. **Clin Ter** 1990 Jun 30;133(6):355-64 (28 ref.) (Eng. Abstr.) **(Ita)**

[Hereditary and mechanical factors behind arthrosis of the hip and the knee] Lindberg H. **Lakartidningen** 1990 Dec 19;87(51-52):4403-4, 4406 (37 ref.) **(Swe)**

ANATOMY & HISTOLOGY

Magnetic resonance imaging of the knee. Manaster BJ. **Semin Ultrasound CT MR** 1990 Aug;11(4):307-26 (53 ref.)

PATHOLOGY

Arthroscopic evaluation of synovitis in the knee joints. Kurosaka M, et al. **Arthroscopy** 1991;7(2):162-70 (5 ref.)

PHYSIOLOGY

The current state of functional knee bracing research. A review of the literature. Cawley PW, et al. **Am J Sports Med** 1991 May-Jun;19(3):226-33 (44 ref.)

Strength recovery and muscle activation of the knee extensor and flexor muscles after arthroscopic meniscectomy. A pilot study. Durand A, et al. **Clin Orthop** 1991 Jan; (262):210-26 (76 ref.)

Receptors in the knee joint ligaments and their role in the biomechanics of the joint. Johansson H, et al. **Crit Rev Biomed Eng** 1991;18(5):341–68 (273 ref.)
The geometry of the knee in the sagittal plane. O'Connor JJ, et al. **Proc Inst Mech Eng [H]** 1989;203(4):223–33 (40 ref.)

PHYSIOPATHOLOGY

Knee ligament injuries combined with ipsilateral tibial and femoral diaphyseal fractures: the "floating knee". van Raay JJ, et al. **Arch Orthop Trauma Surg** 1991;110(2):75–7 (17 ref.)
Porous-coated anatomic total knee arthroplasty. A prospective analysis comparing cemented and cementless fixation. Collins DN, et al. **Clin Orthop** 1991 Jun; (267):128–36 (34 ref.)
Dynamics of pathological motion: applied to the anterior cruciate deficient knee. Andriacchi TP. **J Biomech** 1990; 23 Suppl 1:99–105 (42 ref.)
Disorders of patellofemoral alignment. Fulkerson JP, et al. **J Bone Joint Surg [Am]** 1990 Oct;72(9):1424–9 (47 ref.)

RADIOGRAPHY

The use of radiographs in assessing the severity of knee osteoarthritis. Spector TD, et al. **J Rheumatol Suppl** 1991 Feb;27:38–9 (13 ref.)

SURGERY

Surgery of the rheumatoid knee. Abernethy PJ. **Ann Rheum Dis** 1990 Oct;49 Suppl 2:830–6 (32 ref.)
Ten-year results of tibial osteotomy for medial gonarthrosis. The influence of overcorrection. Odenbring S, et al. **Arch Orthop Trauma Surg** 1991;110(2):103–8 (34 ref.)
Subvastus (Southern) approach for primary total knee arthroplasty. Hofmann AA, et al. **Clin Orthop** 1991 Aug; (269):70–7 (30 ref.)
Salvage of prosthetic grafts and joints in the lower extremity. Budny PJ, et al. **Clin Plast Surg** 1991 Jul;18(3):583–91 (51 ref.)
Instability of the anterior and posterior cruciate ligaments. Arnoczky SP, et al. **Instr Course Lect** 1991;40:199–270 (324 ref.)
[Surgical possibilities in knee arthroscopy] Glinz W. **Aktuel Probl Chir Orthop** 1991;40:64–76 (30 ref.) **(Ger)**
[Arthrolysis of the knee joint] Blauth W, et al. **Orthopade** 1990 Nov;19(6):388–99 (71 ref.) (Eng. Abstr.) **(Ger)**

KNEE PROSTHESIS

Total hip and knee arthroplasty in juvenile rheumatoid arthritis. Scott RD. **Clin Orthop** 1990 Oct;(259):83–91 (18 ref.)
Microvascular reconstruction of the lower extremity in the elderly. Goldberg JA, et al. **Clin Plast Surg** 1991 Jul; 18(3):459–65 (49 ref.)
Arthroscopic management of disorders of the knee. Awbrey BJ, et al. **Curr Opin Rheumatol** 1991 Feb;3(1):88–97 (22 ref.)
Total joint arthroplasty: hip, knee, and shoulder. Vince KG. **Curr Opin Rheumatol** 1991 Feb;3(1):71–80 (46 ref.)
Advances in implant-bone interface. Collier JP, et al. **Instr Course Lect** 1991;40:89–113 (104 ref.)
Biomechanical factors in wound healing following knee arthroplasty. Johnson DP, et al. **J Med Eng Technol** 1991 Jan–Feb;15(1):8–14 (37 ref.)
Management of total knee arthroplasty infection. Windsor RE. **Orthop Clin North Am** 1991 Jul;22(3):531–8 (25 ref.)
Meniscal-bearing unicompartmental knee arthroplasty. An 11-year clinical study. Cohen M, et al. **Orthop Rev** 1991 May;20(5):443–8 (37 ref.)
[Use of a tumor prosthesis in the management of complications from a Guepar-type knee prosthesis] Udvarhelyi I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1991; 34(2):153–6 (28 ref.) (Eng. Abstr.) **(Hun)**

ADVERSE EFFECTS

Popliteal aneurysm after total knee arthroplasty. Case reports and review of the literature. Hozack WJ, et al. **J Arthroplasty** 1990 Dec;5(4):301–5 (16 ref.)
Complications in primary total knee arthroplasty. Huo MH, et al. **Orthop Rev** 1990 Sep;19(9):781–8 (80 ref.)
Prophylaxis of venous thrombosis following total hip and total knee replacement using antithrombin III and heparin. Francis CW, et al. **Semin Hematol** 1991 Jan;28(1):39–45 (54 ref.)
[Angiosarcoma after total knee prosthesis. Apropos of a case] Himmer O, et al. **Rev Chir Orthop** 1991;77(2):125–9 (51 ref.) (Eng. Abstr.) **(Fre)**

CONTRAINDICATIONS

Alternatives to hip, knee, and ankle total joint arthroplasty. Cuckler JM, et al. **Curr Opin Rheumatol** 1991 Feb;3(1):81–7 (29 ref.)

METHODS

Porous-coated anatomic total knee arthroplasty. A prospective analysis comparing cemented and cementless fixation. Collins DN, et al. **Clin Orthop** 1991 Jun; (267):128–36 (34 ref.)
Subvastus (Southern) approach for primary total knee arthroplasty. Hofmann AA, et al. **Clin Orthop** 1991 Aug; (269):70–7 (30 ref.)

KNOWLEDGE ACQUISITION (COMPUTER) see **ARTIFICIAL INTELLIGENCE**

KNOWLEDGE, ATTITUDES, PRACTICE

Menstrual mythology and sources of information about menstruation. Cumming DC, et al. **Am J Obstet Gynecol** 1991 Feb;164(2):472–6 (24 ref.)
A critical review of human immunodeficiency virus infection--and acquired immunodeficiency syndrome-related research: the knowledge, attitudes, and practice of nurses. Swanson JM, et al. **J Prof Nurs** 1990 Nov–Dec;6(6):341–55 (48 ref.)
Behavioural and biological determinants of fertility transition in sub-Saharan Africa. Frank O, et al. **Stat Med** 1991 Feb; 10(2):161–75 (37 ref.)
[Surveys on AIDS in Africa] Guillaume A, et al. **Bull Soc Pathol Exot Filiales** 1990;83(4):552–9; discussion 559–60 (6 ref.) (Eng. Abstr.) **(Fre)**

KNOWLEDGE BASES (COMPUTER) see **ARTIFICIAL INTELLIGENCE**

KNOWLEDGE OF RESULTS (PSYCHOLOGY)

[Productivity of using the concept of prognosis] Vlasov VV. **Sov Med** 1990;(12):35–7 (22 ref.) **(Rus)**

KNOWLEDGE REPRESENTATION (COMPUTER) see **ARTIFICIAL INTELLIGENCE**

KO 1173 see **MEXILETINE**

KOEHLER'S DISEASE see **OSTEOCHONDRITIS**

KORSAKOFF PSYCHOSIS see **ALCOHOL AMNESTIC DISORDER**

KORSAKOFF SYNDROME see **ALCOHOL AMNESTIC DISORDER**

KRAUROSIS PENIS see **BALANITIS**

KRAUROSIS VULVAE

ETIOLOGY

[Lichen sclerosus et atrophicus] Feldmann R, et al. **Hautarzt** 1991 Mar;42(3):147–53 (59 ref.) (Eng. Abstr.) **(Ger)**

KRAUSE'S END BULBS see **THERMORECEPTORS**

KREBS CYCLE see **CITRIC ACID CYCLE**

KRILL see **CRUSTACEA**

KUFS DISEASE see **NEURONAL CEROID-LIPOFUSCINOSIS**

KUNG FU see **MARTIAL ARTS**

KUNITZ PANCREATIC TRYPSIN INHIBITOR see **APROTININ**

KUPFFER CELLS

IMMUNOLOGY

[The reticuloendothelial system of the liver in patients with peritonitis (diagnosis and correction of disorders)] Zhadkevich MM, et al. **Vestn Khir** 1990 Aug;145(8):149–53 (46 ref.) **(Rus)**

METABOLISM

Signal paths and regulation of superoxide, eicosanoid and cytokine formation in macrophages of rat liver. Decker K. **Adv Exp Med Biol** 1991;283:507–20 (39 ref.)
A membrane-bound form of the acute-phase protein C-reactive protein is the galactose-specific particle receptor on rat liver macrophages. Kolb-Bachofen V. **Pathobiology** 1991;59(4):272–5 (32 ref.)

PHYSIOLOGY

Biologically active products of stimulated liver macrophages (Kupffer cells). Decker K. **Eur J Biochem** 1990 Sep 11; 192(2):245–61 (182 ref.)
Kupffer cell and hepatocyte interactions: a brief overview. Billiar TR, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):175S–180S (66 ref.)
Nonparenchymal cells and hepatotoxicity. Laskin DL. **Semin Liver Dis** 1990 Nov;10(4):293–304 (205 ref.)

KURU

GENETICS

Inherited human prion diseases. Hsiao K, et al. **Neurology** 1990 Dec;40(12):1820–7 (70 ref.)

TRANSMISSION

"Life, Jim, but not as we know it"? Transmissible dementias and the prion protein. Harrison PJ, et al. **Br J Psychiatry** 1991 Apr;158:457–70 (145 ref.)

KVEIM TEST

Kveim-Siltzbach test revisited. James DG, et al. **Sarcoidosis** 1991 Mar;8(1):6–9 (26 ref.)

KYASANUR FOREST DISEASE VIRUS see **FLAVIVIRUSES**

KYPHOSIS

DIAGNOSIS

[A case of choledochal cyst simulating kyphoscoliosis] Rákóczy G, et al. **Orv Hetil** 1991 Mar 3;132(9):479–81 (31 ref.) (Eng. Abstr.) **(Hun)**

SURGERY

Treatment of severe kyphosis in myelomeningocele by segmental spinal instrumentation with Luque rods. Kadic MA, et al. **Acta Orthop Belg** 1991;57(1):45–51 (24 ref.)

L CELLS

DRUG EFFECTS

Modulation of the malignant phenotype with the urokinase-type plasminogen activator and the type I plasminogen activator inhibitor. Sordat B, et al. **Cell Differ Dev** 1990 Dec 2;32(3):277–85 (18 ref.)

L FORMS

PHYSIOLOGY

The role of cell-wall deficient bacteria (L-forms; sphaeroplasts) in fish diseases. McIntosh D, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:1S–7S (38 ref.)

L-MYC GENES see **GENES, MYC**

L-MYC PROTEINS see **PROTO-ONCOGENE PROTEINS C-MYC**

LA CROSSE VIRUS see **CALIFORNIA GROUP VIRUSES**

LABELING, FOOD see **FOOD LABELING**

LABETALOL

PHARMACOKINETICS

Clinical pharmacokinetics and kinetic-dynamic relationships of dilevalol and labetalol. Donnelly R, et al. **Clin Pharmacokinet** 1991 Aug;21(2):95–109 (91 ref.)

PHARMACOLOGY

Role of vasodilation in the antihypertensive and antianginal effects of labetalol: implications for therapy of combined hypertension and angina. Opie LH. **Cardiovasc Drugs Ther** 1988 Sep;2(3):369–76 (57 ref.)

THERAPEUTIC USE

Labetalol in normotensive patients with angina pectoris. Fox K, et al. **Cardiovasc Drugs Ther** 1988 Sep;2(3):363–7 (19 ref.)
Properties of labetalol, a combined alpha- and beta-blocking agent, relevant to the treatment of myocardial ischemia. Frishman WH. **Cardiovasc Drugs Ther** 1988 Sep;2(3):343–53 (102 ref.)
[Evaluation of labetalol in general medicine in aged patients with hypertension. Compliance, efficacy and safety in long-term treatment] Hugonot R, et al. **Ann Cardiol Angeiol (Paris)** 1990 Nov;39(9):547–53 (54 ref.) (Eng. Abstr.) **(Fre)**

LABOR

see related
FETAL MONITORING
NATURAL CHILDBIRTH

Prostaglandins, oviducal function, and parturient behavior in nonmammalian vertebrates. Guillette LJ Jr, et al. **Am J Physiol** 1991 May;260(5 Pt 2):R854–61 (72 ref.)
Intrapartum assessment of fetal well-being. Tucker JM, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):515–25 (33 ref.)
Treatment options for the relief of pain during childbirth. Brownridge P. **Drugs** 1991 Jan;41(1):69–80 (32 ref.)
A critical review of labor and birth care. Obstetrical Interest Group of the North American Primary Care Research

Group. Smith MA, et al. **J Fam Pract** 1991 Sep; 33(3):281–92 (144 ref.)
Control of pregnancy, parturition and luteolysis in marsupials. Hinds LA. **Reprod Fertil Dev** 1990;2(5):535–52 (82 ref.)
[Morbidity among mothers and infants after ambulatory deliveries] Kierkegaard O. **Ugeskr Laeger** 1991 Jul 29; 153(31):2170–2 (27 ref.) (Eng. Abstr.) **(Dan)**
[The use of opioids by the regional route in obstetrics] Bruelle P, et al. **Can Anesthesiol** 1991;39(2):97–103 (59 ref.) (Eng. Abstr.) **(Fre)**
[Periodic medical examination, update 1989: 4. Electronic surveillance of the fetus during labor and prevention of herpes in newborn infants. The Canadian Study Group on Periodic Medical Examination] **Union Med Can** 1990 Sep–Oct;119(5):254–60 (47 ref.) **(Fre)**

DRUG EFFECTS

Pharmacology of parturition. Roy AC, et al. **Ann Acad Med Singapore** 1991 Jan;20(1):71–7 (78 ref.)

METABOLISM

Labour: a process dependent upon prostaglandin G/H synthase. Rice GE. **Reprod Fertil Dev** 1990;2(5):523–33 (81 ref.)
Phospholipases in human parturition. Wilson T. **Reprod Fertil Dev** 1990;2(5):511–21 (99 ref.)

PHYSIOLOGY

Prostaglandins: a key factor in human labor. Geirsson RT, et al. **Acta Obstet Gynecol Scand** 1990;69(5):371–3 (7 ref.)
Involvement of placental neurohormones in human parturition. Petraglia F, et al. **Ann N Y Acad Sci** 1991; 622:331–40 (53 ref.)
The endocrinology of parturition in the human. Steer PJ. **Baillieres Clin Endocrinol Metab** 1990 Jun;4(2):333–49 (99 ref.)
Oxytocin and the initiation of parturition. A review. Giraldi A, et al. **Dan Med Bull** 1990 Aug;37(4):377–83 (96 ref.)
Exercise and fetal health. Clapp JF 3d. **J Dev Physiol** 1991 Jan;15(1):9–14 (34 ref.)
The trigger for parturition in sheep: fetal hypothalamus or placenta? Thorburn GD, et al. **J Dev Physiol** 1991 Feb; 15(2):71–9 (54 ref.)
Maternal positions during labor. Johnson N, et al. **Obstet Gynecol Surv** 1991 Jul;46(7):428–34 (65 ref.)
Relationship between myometrial and cervical functions in pregnancy and labor. Huszar GB, et al. **Semin Perinatol** 1991 Apr;15(2):97–117 (155 ref.)
Collagen and collagenase: pregnancy and parturition. Jeffrey JJ. **Semin Perinatol** 1991 Apr;15(2):118–26 (51 ref.)
[The importance of magnesium in contemporary obstetrics] Georgiev D, et al. **Akush Ginekol (Sofiia)** 1990;29(5):52–5 (28 ref.) **(Bul)**
[Perinatal pharmacology: alleviation of pain and narcosis] Brune K. **Klin Anasthesiol Intensivther** 1989;37:43–7 (6 ref.) **(Ger)**
[Origin and conduction of pain in birth, effect of pain and analgesia on the mother, the birth process and fetus] Jurna I. **Klin Anasthesiol Intensivther** 1989;37:36–42 (39 ref.) **(Ger)**

PSYCHOLOGY

The effects of social support on women's health during pregnancy, labor and delivery, and the postpartum period. Gjerdingen DK, et al. **Fam Med** 1991 Jul;23(5):370–5 (50 ref.)

LABOR COMPLICATIONS

Purtscher's-like retinopathy after childbirth. Blodi BA, et al. **Ophthalmology** 1990 Dec;97(12):1654–9 (32 ref.)
Amniotic fluid embolism. Hardin L, et al. **South Med J** 1991 Aug;84(8):1046–8 (17 ref.)

CHEMICALLY INDUCED

[Marijuana and pregnancy: impact on the pregnant woman, the fetus and the newborn infant] Garcia A, et al. **Med Clin (Barc)** 1991 Jan 26;96(3):106–9 (38 ref.) **(Spa)**

DRUG THERAPY

Management of retained placenta using intraumbilical oxytocin injection. Wingeier R, et al. **J Nurse Midwifery** 1991 Jul–Aug;36(4):240–4 (12 ref.)

ETIOLOGY

[Fever at delivery] Martius J. **Gynakologe** 1991 Jun; 24(3):151–4 (30 ref.) **(Ger)**
[Diseases of the peripheral nervous system during pregnancy, labor and puerperium (review of the literature)] Burshinov AO, et al. **Zh Nevropatol Psikhiatr** 1991;91(4):109–13 (136 ref.) **(Rus)**

PHYSIOPATHOLOGY

The role of systemic and intrauterine infection in preterm parturition. Romero R, et al. **Ann N Y Acad Sci** 1991; 622:355–75 (172 ref.)
[Continuous peridural analgesia–anesthesia during labor. Experiences and considerations] Cappa F, et al. **Minerva Ginecol** 1990 Dec;42(12):525–7 (9 ref.) (Eng. Abstr.) **(Ita)**
[Prostaglandins in gynecology and obstetrics] Cano López H. **Ginecol Obstet Mex** 1988 Jun;56:166–9 (24 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

[Dormicum, aneksat and their use in obstetrical and gynecological operations] Traĭkova V, et al. **Akush Ginekol (Sofiia)** 1990;29(5):61–4 (37 ref.) **(Bul)**

THERAPY

Induction of labor, complications of labor, and postmaturity. Boylan P. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):31–5 (26 ref.)
[Indications for intensive care in obstetrical complications] Lindner KH, et al. **Klin Anasthesiol Intensivther** 1989; 37:130–41 (19 ref.) **(Ger)**
[The current approaches to choosing a rational procedure for the pregnancy and labor management of women with a scar on the uterus] Strizhakov AN, et al. **Akush Ginekol (Mosk)** 1991 Feb;(2):8–13 (62 ref.) **(Rus)**

LABOR, INDUCED

Epidural anaesthesia for labour and caesarean section in a parturient with a single ventricle and transposition of the great arteries. Fong J, et al. **Can J Anaesth** 1990 Sep; 37(6):680–4 (18 ref.)
Premature rupture of membranes, cervical ripening, and induction of labor. Lauersen NH. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):165–71 (32 ref.)
Comparative efficacy of intravaginal prostaglandin E2 in the gel and suppository forms for cervical ripening. Gauger LJ, et al. **DICP** 1991 May;25(5):456–60 (28 ref.)
Prostaglandins as therapy for labour induction or therapeutic abortion. Calder AA. **Reprod Fertil Dev** 1990;2(5):553–6 (8 ref.)
Australian clinical trials with prostaglandins E2 and F2 alpha to induce labour. MacLennan AH. **Reprod Fertil Dev** 1990; 2(5):557–61 (13 ref.)

METHODS

Induction of labor, complications of labor, and postmaturity. Boylan P. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):31–5 (26 ref.)
Use of prostaglandins for induction of labor. Husslein P. **Semin Perinatol** 1991 Apr;15(2):173–81 (59 ref.)
[The importance of the blocking of ganglionic N-cholinoreceptors for labor induction] Grudev D, et al. **Akush Ginekol (Sofiia)** 1990;29(5):56–8 (22 ref.) **(Bul)**
[Principles of physiologic and drug-induced cervix ripening—recent morphologic and biochemical findings] Rath W, et al. **Geburtshilfe Frauenheilkd** 1990 Sep; 50(9):657–64 (47 ref.) (Eng. Abstr.) **(Ger)**

VETERINARY

Elective termination of pregnancy in mares. Paccamonti DL. **J Am Vet Med Assoc** 1991 Feb 15;198(4):683–9 (45 ref.)

LABOR MIGRATION see **TRANSIENTS AND MIGRANTS**

LABOR ONSET

[Weather front sensitivity as an influencing factor in the onset of labor] Mészáros G, et al. **Orv Hetil** 1990 Sep 9; 131(36):1973–8 (21 ref.) (Eng. Abstr.) **(Hun)**
[The preliminary period] Chernukha EA, et al. **Akush Ginekol (Mosk)** 1990 Sep;(9):12–5 (56 ref.) **(Rus)**

LABOR, PREMATURE

see related
INFANT, PREMATURE
TOCOLYTIC AGENTS

ABC of antenatal care. Preterm labour. Chamberlain G. **BMJ** 1991 Jul 6;303(6793):44–8 (0 ref.)
Preterm labor. Wilkins I, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):502–14 (51 ref.)

DIAGNOSIS

The contributions of the nurse and the machine in home uterine activity monitoring systems. Merkatz RB, et al. **Am J Obstet Gynecol** 1991 May;164(5 Pt 1):1159–62 (21 ref.)

DRUG THERAPY

Maternal, fetal, and neonatal physiology in pregnancy. Gilbert WM. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):4–7 (12 ref.)
The use of calcium channel blockers in obstetrics and gynecology; a review. Fenakel K, et al. **Eur J Obstet Gynecol Reprod Biol** 1990 Dec;37(3):199–203 (41 ref.)

EPIDEMIOLOGY

Epidemiologic characteristics of preterm delivery: etiologic heterogeneity. Savitz DA, et al. **Am J Obstet Gynecol** 1991 Feb;164(2):467–71 (24 ref.)
Epidemiology of prematurity. Sinclair JC. **Int J Technol Assess Health Care** 1991;7 Suppl 1:2–8 (20 ref.)

ETIOLOGY

Infection-induced activation of cell-mediated immunity: possible mechanism for preterm birth. Witkin S, et al. **Clin Obstet Gynecol** 1991 Mar;34(1):112–21 (48 ref.)
Preterm labor, preterm delivery, intrauterine infection, and preterm rupture of membranes. Papiernik E. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):8–12 (16 ref.)
Lifestyle influences on prematurity. Creasy RK. **J Dev Physiol** 1991 Jan;15(1):15–20 (56 ref.)
Subclinical infection as a cause of preterm delivery. Gibbs RS. **Pediatr Infect Dis J** 1990 Oct;9(10):777 (9 ref.)
Cytokines and infection-induced preterm labour. Casey ML, et al. **Reprod Fertil Dev** 1990;2(5):499–509 (29 ref.)
[Idiopathic preterm delivery and subclinical genital infection] Svare JA, et al. **Ugeskr Laeger** 1991 Apr 29;153(18):1260–2 (30 ref.) (Eng. Abstr.) **(Dan)**

MICROBIOLOGY

[Bacterial genesis of preterm delivery] Helmig R, et al. **Ugeskr Laeger** 1991 Apr 29;153(18):1268–71 (30 ref.) (Eng. Abstr.) **(Dan)**

PREVENTION & CONTROL

Antenatal fetal death in twin pregnancies: a dangerous condition mainly for the surviving co-twin; a report of four cases. Van den Veyver IB, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 Jan 4;38(1):69–73 (31 ref.)
Delayed interval delivery in a triplet pregnancy: a case report. van Heusden AM, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 Jan 4;38(1):75–8 (10 ref.)
[Anti-prostaglandin agents in obstetrics] Gaucherand P, et al. **Rev Fr Gynecol Obstet** 1990 Oct;85(10):557–60 (5 ref.) (Eng. Abstr.) **(Fre)**
[Indomethacin and a tocolytic agent: fetal and neonatal outcome] Shamir R, et al. **Harefuah** 1990 Dec 2; 119(11):387–90 (38 ref.) **(Heb)**

SURGERY

[Cesarean section in pre-term pregnancy] Abramchenko VV, et al. **Akush Ginekol (Mosk)** 1991 Apr;(4):3–5 (25 ref.) **(Rus)**

LABOR PRESENTATION

see related
DELIVERY

Shoulder dystocia. Hernandez C, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):526–34 (36 ref.)
[Cesarean section in pre-term pregnancy] Abramchenko VV, et al. **Akush Ginekol (Mosk)** 1991 Apr;(4):3–5 (25 ref.) **(Rus)**
[Fetal shoulder dystocia] Chernukha EA, et al. **Akush Ginekol (Mosk)** 1991 May;(5):11–3 (41 ref.) **(Rus)**

LABOR PRESENTATION, BREECH see **BREECH PRESENTATION**

LABOR, SECOND STAGE see **LABOR STAGE, SECOND**

LABOR STAGE, SECOND

The second stage of labour: durational dilemmas. Derham RJ, et al. **Aust N Z J Obstet Gynaecol** 1991 Feb;31(1):31–6 (42 ref.)
[Active management of the 2d stage of labor versus physiological management of the 2d stage of labor] Kahánek J. **Cesk Gynekol** 1991 Mar;56(2):131–41 (125 ref.) **(Cze)**

LABOR STAGE, THIRD

Management of retained placenta using intraumbilical oxytocin injection. Wingeier R, et al. **J Nurse Midwifery** 1991 Jul–Aug;36(4):240–4 (12 ref.)

LABOR, THIRD STAGE see **LABOR STAGE, THIRD**

LABORATORIES

The cardiac catheterization laboratory—1990. Pepine CJ. **Am J Cardiol** 1990 Oct 26;66(14):37F–40F (4 ref.)
Role of the laboratory in diagnosis of organic acidurias. Forman DT. **Ann Clin Lab Sci** 1991 Mar–Apr;21(2):85–93 (10 ref.)
The Tsetse Research Laboratory. Jordan AM, et al. **Ann Trop Med Parasitol** 1991 Feb;85(1):11–20 (68 ref.)
The role of the clinical microbiology laboratory in transplantation. Walker RC. **Arch Pathol Lab Med** 1991 Mar;115(3):299–305 (78 ref.)
Medical surveillance for melanoma at the Lawrence Livermore National Laboratory. Wald PH, et al. **Occup Med** 1990 Jul–Sep;5(3):607–16 (16 ref.)

METHODS

The role of the laboratory in marrow manipulation. Lasky LC. **Arch Pathol Lab Med** 1991 Mar;115(3):293–8 (63 ref.)

STANDARDS

Health care in the developing world: need for appropriate laboratory technology [see comments] Heuck CC, et al. **Clin Chem** 1991 Apr;37(4):490–6 (20 ref.) Comment in: Clin Chem 1991 Apr;37(4):488–9.

Future directions for quality assurance in laboratory haematology. Koepke JA. **Clin Lab Haematol** 1990;12 Suppl 1:171–6 (13 ref.)

Inter-laboratory transfer of HPLC methods: problems and solutions. Kirschbaum JJ. **J Pharm Biomed Anal** 1989; 7(7):813–33 (16 ref.)

LABORATORIES, DENTAL

Infection control of in-office dental laboratories. King AH, et al. **Dent Clin North Am** 1991 Apr;35(2):415–26 (18 ref.)

Infection control in the dental laboratory: a review of the literature. Schwartz R, et al. **Milit Med** 1991 Jan;156(1):1–4 (50 ref.)

LABORATORIES, HOSPITAL

The role of the laboratory in evaluation of kidney function. Cohen EP, et al. **Clin Chem** 1991 Jun;37(6):785–96 (58 ref.)

ORGANIZATION & ADMINISTRATION

Using the laboratory information system to achieve strategic advantage over the competitors of hospital-based clinical laboratories. Friedman BA, et al. **Clin Lab Med** 1991 Mar; 11(1):187–202 (13 ref.)

Horizontal and vertical integration in hospital laboratories and the laboratory information system. Friedman BA, et al. **Clin Lab Med** 1990 Sep;10(3):627–41 (13 ref.)

STANDARDS

Use of computers in quality assurance of laboratory testing. Tan IK, et al. **Ann Acad Med Singapore** 1990 Sep; 19(5):724–30 (21 ref.)

TRENDS

Robotics in the medical laboratory. Felder RA, et al. **Clin Chem** 1990 Sep;36(9):1534–43 (46 ref.)

LABORATORY ANIMALS see **ANIMALS, LABORATORY**

LABORATORY DIAGNOSIS see **DIAGNOSIS, LABORATORY**

LABORATORY INFECTION

ETIOLOGY

Infections transmitted by large and small laboratory animals. Fox JG, et al. **Infect Dis Clin North Am** 1991 Mar; 5(1):131–63 (98 ref.)

PREVENTION & CONTROL

Biological safety cabinetry. Kruse RH, et al. **Clin Microbiol Rev** 1991 Apr;4(2):207–41 (224 ref.)

LABORATORY INFORMATION SYSTEMS see **CLINICAL LABORATORY INFORMATION SYSTEMS**

LABYRINTH

Perilymph fistula. Wilcox TO Jr, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1990;42:989–97 (59 ref.)

ABNORMALITIES

Otic capsule dysplasia: clinical and CT findings. Urman SM, et al. **Radiographics** 1990 Sep;10(5):823–38 (13 ref.)

[Malformations of the bony labyrinth and deafness (published erratum appears in Ann Otolaryngol Chir Cervicofac 1991;108(3):196)] Dumas G, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(1):1–12 (29 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

The temporal bone: an organ in search of a histopathology. Michaels L. **Histopathology** 1991 May;18(5):391–4 (25 ref.)

Inner ear pathology in congenital deafness. Lindsay JR. **Otolaryngol Clin North Am** 1971 Jun;4(2):249–90 (42 ref.)

PHYSIOLOGY

Vestibulospinal and neck reflexes: interaction in the vestibular nuclei. Wilson VJ. **Arch Ital Biol** 1991 Jan;129(1):43–52 (44 ref.)

Production and role of inner ear fluid. Sellick PM, et al. **Prog Neurobiol** 1975;5(4):337–62 (93 ref.)

LABYRINTH DISEASES

Autoimmune inner ear disease: a review of basic mechanisms and clinical correlates. Ruckenstein MJ, et al. **J Otolaryngol** 1991 Jun;20(3):196–203 (46 ref.)

Bilateral spontaneous perilymph fistulae: a diagnostic and management dilemma. Sismanis A, et al. **Otolaryngol Head Neck Surg** 1990 Sep;103(3):436–8 (13 ref.)

DIAGNOSIS

[Current diagnostic imaging in the study of the ear] Ettorre GC. **Radiol Med (Torino)** 1990 Nov;80(5):688–95 (36 ref.) **(Ita)**

ETIOLOGY

[Basic and clinical study of autoimmune inner ear disease. Review of literature] Gu ZY. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1991;26(2):105–7 (30 ref.) **(Chi)**

PATHOLOGY

The temporal bone: an organ in search of a histopathology. Michaels L. **Histopathology** 1991 May;18(5):391–4 (25 ref.)

LABYRINTHINE FLUIDS

PHYSIOLOGY

[Labyrinthine fluids] Sterkers O, et al. **Acta Otorhinolaryngol Belg** 1991;45(2):155–64 (27 ref.) **(Fre)**

LABYRINTHITIS

MICROBIOLOGY

Comparative experimental viral labyrinthitis. Davis LE. **Am J Otolaryngol** 1990 Nov–Dec;11(6):382–8 (47 ref.)

Human cytomegalovirus labyrinthitis. Strauss M. **Am J Otolaryngol** 1990 Sep–Oct;11(5):292–8 (29 ref.)

PHYSIOPATHOLOGY

Spiral modiolar vein: its importance in inner ear inflammation. Harris JP, et al. **Acta Otolaryngol (Stockh)** 1990 Nov–Dec;110(5–6):357–65 (11 ref.)

LAC REPRESSORS see **REPRESSOR PROTEINS**

LACQUER

POISONING

[Acute poisoning caused by wood preservatives from the viewpoint of the Berlin (East) Central Toxicologic Information service] Liebenow H, et al. **Z Arztl Fortbild (Jena)** 1991 Apr 25;85(8):385–8 (12 ref.) **(Ger)**

LACRIMAL APPARATUS

see related **TEARS**

INJURIES

[Repair of mutilations of the lacrimal apparatus] Gola R, et al. **Rev Stomatol Chir Maxillofac** 1990;91(6):430–9 (12 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Review: systemic absorption of topically applied ocular drugs in humans. Salminen L. **J Ocul Pharmacol** 1990 Fall; 6(3):243–9 (28 ref.)

PATHOLOGY

Diagnosis and differential diagnosis of keratoconjunctivitis sicca associated with tear gland degeneration. Van Bijsterveld OP. **Clin Exp Rheumatol** 1990 Jul–Aug;8 Suppl 5:3–6 (18 ref.)

Mucoepidermoid carcinoma of the lacrimal gland. Case report and review of the literature. Sofinski SJ, et al. **Ophthal Plast Reconstr Surg** 1986;2(3):147–51 (19 ref.)

LACRIMAL APPARATUS DISEASES

DIAGNOSIS

[Diagnosis of disturbances in pre-ocular tear film] Prost M. **Klin Oczna** 1991 Jan;93(1):29–30 (20 ref.) (Eng. Abstr.) **(Pol)**

DRUG THERAPY

[Treatment of disturbances in the stability of pre-ocular tear film] Prost M. **Klin Oczna** 1991 Jan;93(1):31–3 (17 ref.) (Eng. Abstr.) **(Pol)**

ETIOLOGY

[Postoperative epiphora] Fayet B, et al. **Ann Chir Plast Esthet** 1990;35(3):183–7 (19 ref.) (Eng. Abstr.) **(Fre)**

[Malignant nasal oncocytoma disclosed by mucocele of the lacrimal sac with hemolacrimia] Fayet B, et al. **J Fr Ophtalmol** 1990;13(3):153–8 (18 ref.) **(Fre)**

PATHOLOGY

Epithelial tumors of the lacrimal gland: clinico-pathologic correlation and management. Riedel KG, et al. **Neurosurg Rev** 1990;13(4):289–98 (37 ref.)

THERAPY

The management of pediatric lacrimal problems. Leone CR Jr. **Ophthal Plast Reconstr Surg** 1989;5(1):34–9 (11 ref.)

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the salivary and lacrimal glands. Elwell MR, et al. **IARC Sci Publ** 1990;(99):89–107 (31 ref.)

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the Harderian gland. Elwell MR, et al. **IARC Sci Publ** 1990;(99):79–87 (19 ref.)

LACRIMAL DUCT OBSTRUCTION

CONGENITAL

Congenital nasolacrimal duct obstruction. Ogawa GS, et al. **J Pediatr** 1991 Jul;119(1 (Pt 1)):12–7 (37 ref.)

ETIOLOGY

Nasolacrimal obstruction after inferior meatus nasal antrostomy. Meyers AD, et al. **Arch Otolaryngol Head Neck Surg** 1991 Feb;117(2):208–11 (16 ref.)

SURGERY

A review of lacrimal drainage surgery. Patrinely JR, et al. **Ophthal Plast Reconstr Surg** 1986;2(2):97–102 (39 ref.)

LACRIMAL GLAND see **LACRIMAL APPARATUS**

LACTALBUMIN

CHEMISTRY

Lysozyme and alpha-lactalbumin: structure, function, and interrelationships. McKenzie HA, et al. **Adv Protein Chem** 1991;41:173–315 (475 ref.)

PHARMACOLOGY

The importance of alpha-lactalbumin in infant nutrition. Heine WE, et al. **J Nutr** 1991 Mar;121(3):277–83 (42 ref.)

LACTASES see **BETA-GALACTOSIDASES**

LACTATE DEHYDROGENASE

BLOOD

Lactic dehydrogenase. An old enzyme reborn as a cancer marker? [editorial] Schwartz MK. **Am J Clin Pathol** 1991 Oct;96(4):441–3 (19 ref.)

LACTATES

ANALYSIS

Lactography as an approach to monitor glucose metabolism on-line in brain and muscle. Korf J, et al. **Int J Biochem** 1990;22(12):1371–8 (49 ref.)

Clinical utility of lactic acid measurement in body fluids other than plasma. Nanji AA, et al. **J Emerg Med** 1984;1(6):521–6 (42 ref.)

CEREBROSPINAL FLUID

Bacterial or viral meningitis? Measuring lactate in CSF can help you know quickly. Bailey EM, et al. **Postgrad Med** 1990 Oct;88(5):217–9, 223 (26 ref.)

CHEMISTRY

Multiple quantum NMR spectroscopy methods for measuring the apparent self-diffusion coefficient of in vivo lactic acid. Sotak CH. **NMR Biomed** 1991 Apr;4(2):70–2 (15 ref.)

METABOLISM

Mechanisms and regulation of lactate, pyruvate and ketone body transport across the plasma membrane of mammalian cells and their metabolic consequences. Halestrap AP, et al. **Biochem Soc Trans** 1990 Dec;18(6):1132–5 (34 ref.)

Glycolysis and related reactions during cheese manufacture and ripening. Fox PF, et al. **Crit Rev Food Sci Nutr** 1990; 29(4):237–53 (136 ref.)

Comparative imaging of structure and metabolites in tumours. Mueller-Klieser W, et al. **Int J Radiat Biol** 1991 Jul–Aug;60(1–2):147–59 (40 ref.)

What the clinician can learn from MRS lactate measurements. Prichard JW. **NMR Biomed** 1991 Apr;4(2):99–102 (15 ref.)

The metabolism of lactate. Veech RL. **NMR Biomed** 1991 Apr;4(2):53–8 (12 ref.)

PHARMACOKINETICS

[The effect of supramaximal exercise on the recovery kinetics of lactate] Freund H, et al. **Schweiz Z Sportmed** 1991 Jun; 39(2):65–76 (101 ref.) (Eng. Abstr.) **(Fre)**

LACTATION

see related
BREAST FEEDING
COLOSTRUM
MILK
MILK, HUMAN

Lactation and contraception. Kennedy KI.
Ginecol Obstet Mex 1990 Apr–May;58 Suppl 1:25–34 (70 ref.)

Lithium treatment during pregnancy, delivery, and lactation: an update. Schou M. **J Clin Psychiatry** 1990 Oct; 51(10):410–3 (27 ref.)

Drug use in pregnancy and lactation. Ives TJ, et al.
Prim Care 1990 Sep;17(3):623–45 (90 ref.)

Lactation in insulin-dependent diabetes. Neubauer SH.
Prog Food Nutr Sci 1990;14(4):333–70 (138 ref.)

Breast cancer during pregnancy and lactation. Hoover HC Jr. **Surg Clin North Am** 1990 Oct;70(5):1151–63 (44 ref.)

Feed additives. Hutjens MF.
Vet Clin North Am Food Anim Pract 1991 Jul;7(2):525–40 (55 ref.)

DRUG EFFECTS

Bromocriptine in obstetrics and gynaecology. Haider P.
JPMA 1990 Sep;40(9):224–9 (71 ref.)

Management of the dairy herd treated with bovine somatotropin. Crooker BA, et al.
Vet Clin North Am Food Anim Pract 1991 Jul;7(2):417–37 (82 ref.)

METABOLISM

Lead in bone: implications for toxicology during pregnancy and lactation. Silbergeld EK. **Environ Health Perspect** 1991 Feb;91:63–70 (48 ref.)

Cellular energy metabolism and regulation. Kelly JM, et al.
J Dairy Sci 1991 Feb;74(2):678–94 (164 ref.)

Regulation of adipose tissue metabolism in support of lactation. McNamara JP. **J Dairy Sci** 1991 Feb;74(2):706–19 (84 ref.)

Adenosine and the control of adrenergic regulation of adipose tissue lipolysis during lactation. Vernon RG, et al.
J Dairy Sci 1991 Feb;74(2):695–705 (62 ref.)

[Hormonal control of lactation] Aono T.
Nippon Sanka Fujinka Gakkai Zasshi 1990 Aug; 42(8):867–72 (11 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Physiology of lactation. Glasier A, et al.
Baillieres Clin Endocrinol Metab 1990 Jun;4(2):379–95 (55 ref.)

Lactational anoestrus in farm animals. Peters AR, et al.
Oxf Rev Reprod Biol 1990;12:245–88 (229 ref.)

A review of the hormone prolactin during lactation. Ostrom KM. **Prog Food Nutr Sci** 1990;14(1):1–43 (199 ref.)

Protein and amino acid nutrition of lactating dairy cattle. Chalupa W, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):353–72 (50 ref.)

Lipid nutrition. Emery RS, et al.
Vet Clin North Am Food Anim Pract 1991 Jul;7(2):341–52 (65 ref.)

New approaches to nutritional monitoring. Galligan DT, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul; 7(2):473–82 (16 ref.)

Grouping management and physical facilities. Sniffen CJ.
Vet Clin North Am Food Anim Pract 1991 Jul;7(2):465–71 (8 ref.)

Dry cow nutrition. The key to improving fresh cow performance. Van Saun RJ.
Vet Clin North Am Food Anim Pract 1991 Jul;7(2):599–620 (117 ref.)

[Heterologous hormonal regulation in the mammary gland] Sapag-Hagar M, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):183–7 (19 ref.) (Eng. Abstr.) **(Spa)**

LACTATION DISORDERS

ETIOLOGY

Functional consequences of maternal malnutrition. González-Cossío T, et al. **World Rev Nutr Diet** 1991; 64:139–73 (98 ref.)

LACTIC ACIDOSIS see **ACIDOSIS, LACTIC**

LACTIC CYTOCHROME REDUCTASE see **LACTATE DEHYDROGENASE**

LACTOBACILLUS

Temperate bacteriophages and lysogeny in lactic acid bacteria. Davidson BE, et al. **FEMS Microbiol Rev** 1990 Sep;7(1–2):79–90 (68 ref.)

GENETICS

In vivo genetic systems in lactic acid bacteria. Gasson MJ.
FEMS Microbiol Rev 1990 Sep;7(1–2):43–60 (91 ref.)

Genetics of the proteolytic system of lactic acid bacteria. Kok J. **FEMS Microbiol Rev** 1990 Sep;7(1–2):15–42 (158 ref.)

Applications for biotechnology: present and future improvements in lactic acid bacteria. McKay LL, et al.
FEMS Microbiol Rev 1990 Sep;7(1–2):3–14 (91 ref.)

Genetics of lactic acid bacteria with special reference to lactococci. Rodriguez A, et al. **Microbiologia** 1990 Dec; 6(2):51–64 (117 ref.)

[Development of the genetics of lactic bacteria with emphasis on the genetics of lactococci and their bacteriophages] de Fabrizio SV, et al. **Rev Argent Microbiol** 1990 Apr–Jun; 22(2):102–14 (72 ref.) **(Spa)**

GROWTH & DEVELOPMENT

Antagonistic effects of lactobacilli and pediococci to control intestinal colonization by human enteropathogens in live poultry. Juven BJ, et al. **J Appl Bacteriol** 1991 Feb; 70(2):95–103 (105 ref.)

Emerging role of lactobacilli in the control and maintenance of the vaginal bacterial microflora. Redondo-Lopez V, et al. **Rev Infect Dis** 1990 Sep–Oct;12(5):856–72 (114 ref.)

METABOLISM

Exocellular polysaccharides produced by lactic acid bacteria. Cerning J. **FEMS Microbiol Rev** 1990 Sep;7(1–2):113–30 (94 ref.)

Health and nutritional benefits from lactic acid bacteria. Gilliland SE. **FEMS Microbiol Rev** 1990 Sep;7(1–2):175–88 (82 ref.)

Antagonistic activities of lactic acid bacteria in food and feed fermentations. Lindgren SE, et al. **FEMS Microbiol Rev** 1990 Sep;7(1–2):149–63 (145 ref.)

Uncommon pathways of metabolism among lactic acid bacteria. London J. **FEMS Microbiol Rev** 1990 Sep; 7(1–2):103–11 (49 ref.)

Microbes and membrane biology. Maloney PC.
FEMS Microbiol Rev 1990 Sep;7(1–2):91–102 (64 ref.)

PHYSIOLOGY

Is there a role for lactobacilli in prevention of urogenital and intestinal infections? Reid G, et al.
Clin Microbiol Rev 1990 Oct;3(4):335–44 (133 ref.)

LACTOBACILLUS ACIDOPHILUS

PHYSIOLOGY

[Development of intestinal biocenosis in healthy and sick newborn infants] Dzhamali NF, et al. **Pediatriia** 1991; (2):88–92 (59 ref.) **(Rus)**

LACTOFERRIN

METABOLISM

The interaction of lactoferrin with human monocytes. Birgens HS. **Dan Med Bull** 1991 Jun;38(3):244–52 (119 ref.)

PHYSIOLOGY

Biological properties of lactotransferrin. Machnicki M.
Folia Biol (Praha) 1991;37(2):65–76 (85 ref.)

Salivary lysozyme, lactoferrin and peroxidases: antibacterial effects on cariogenic bacteria and clinical applications in preventive dentistry. Tenovuo J, et al.
Proc Finn Dent Soc 1991;87(2):197–208 (85 ref.)

[Structure and function of human lactoferrin; prospects of its studies in obstetrics] Diugeev AN, et al.
Akush Ginekol (Mosk) 1991 Jan;(1):6–9 (52 ref.) **(Rus)**

LACTOGENIC HORMONE, PITUITARY see **PROLACTIN**

LACTONES

ADVERSE EFFECTS

[Eczema caused by contact with sesquiterpene lactones of plants] Sourisse M, et al. **Ann Dermatol Venereol** 1990; 117(9):651–6 (24 ref.) **(Fre)**

METABOLISM

Metabolism of antimalarial sesquiterpene lactones. Lee IS, et al. **Pharmacol Ther** 1990;48(3):345–55 (58 ref.)

PHARMACOLOGY

From ginkgolides to N-substituted piperidino-thieno diazepines, a new series of highly potent dual antagonists. Braquet P, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1991; 21B:929–37 (19 ref.)

Recent progress in ginkgolide research. Braquet P, et al.
Med Res Rev 1991 May;11(3):295–355 (292 ref.)

LACTOSE

ADVERSE EFFECTS

Lactose and cataract in humans: a review. Couet C, et al.
J Am Coll Nutr 1991 Feb;10(1):79–86 (77 ref.)

METABOLISM

Towards an understanding of the structural basis of 'forbidden' transport pathways in the Escherichia coli lactose carrier: mutations probing the energy barriers to uncoupled transport. King SC, et al. **Mol Microbiol** 1990 Sep;4(9):1433–8 (28 ref.)

The cellobiose permease of Escherichia coli consists of three proteins and is homologous to the lactose permease of Staphylococcus aureus. Reizer J, et al. **Res Microbiol** 1990 Nov–Dec;141(9):1061–7 (15 ref.)

LACTOSE INTOLERANCE

COMPLICATIONS

[Chronic recurrent abdominal pain and lactose malabsorption in childhood] Horváth K, et al. **Orv Hetil** 1990 Dec 2; 131(48):2631–5 (23 ref.) (Eng. Abstr.) **(Hun)**

[Lactose tolerance and milk consumption: myths and realities] Scrimshaw NS, et al. **Arch Latinoam Nutr** 1988 Sep; 38(3):543–67 (119 ref.) (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

[Lactose intolerance. II. Current biological viewpoints] van 't Hoff BW, et al. **Ned Tijdschr Geneeskd** 1991 Apr 27; 135(17):746–9 (30 ref.) **(Dut)**

PHYSIOPATHOLOGY

[Lactose intolerance. I. Clinical aspects, diagnosis and therapy] Rings EH, et al. **Ned Tijdschr Geneeskd** 1991 Apr 27;135(17):742–6 (33 ref.) **(Dut)**

LACUNAR DEMENTIA see **DEMENTIA, MULTI-INFARCT**

LAETRILE see **AMYGDALIN**

LAFORA DISEASE see **EPILEPSY, MYOCLONUS**

LAK CELLS see **KILLER CELLS, LYMPHOKINE-ACTIVATED**

LAMBDA IMMUNOGLOBULINS see **IMMUNOGLOBULINS, LAMBDA CHAIN**

LAMBDA PHAGE see **PHAGE LAMBDA**

LAMBERT-EATON MYASTHENIC SYNDROME

DIAGNOSIS

[Lambert-Eaton myasthenia syndrome--review with case report] Engler F. **Fortschr Neurol Psychiatr** 1990 Dec; 58(12):447–54 (65 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Lower extremity weakness as the initial manifestation of lung cancer [published erratum appears in Arch Phys Med Rehabil 1991 Jan;72(1):61] Rook JL, et al.
Arch Phys Med Rehabil 1990 Nov;71(12):995–9 (22 ref.)

THERAPY

Current therapy of the Lambert-Eaton myasthenic syndrome. Lundh H, et al. **Prog Brain Res** 1990;84:163–70 (40 ref.)

LAMBLIA see **GIARDIA**

LAMBLIASIS see **GIARDIASIS**

LAMENESS, ANIMAL

DIAGNOSIS

Local anesthetic techniques for diagnosis of lameness. Schmotzer WB, et al. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):705–28 (31 ref.)

PREVENTION & CONTROL

Factors involved in the balancing of equine hooves. Balch O, et al. **J Am Vet Med Assoc** 1991 Jun 1;198(11):1980–9 (48 ref.)

LAMINAR AIR-FLOW AREAS see **ENVIRONMENT, CONTROLLED**

LAMINARIA

Pretreatment of the cervix prior to surgical evacuation of the uterus in the late first and early second trimester of pregnancy. Herczeg J. **Baillieres Clin Obstet Gynaecol** 1990 Jun;4(2):307–25 (45 ref.)

LAMINARIA TENTS see **LAMINARIA**

LAMINECTOMY

ADVERSE EFFECTS

Vascular complications of lumbar decompression laminectomy and foraminotomy. A unique case and review of the literature. Smith DW, et al. **Spine** 1991 Mar; 16(3):387–90 (12 ref.)

[Cardiac insufficiency caused by arteriovenous fistula. An unusual complication of spinal surgery] Ferrari E, et al. **Arch Mal Coeur** 1990 Oct;83(11):1727–8 (5 ref.) (Eng. Abstr.) **(Fre)**

[Pseudomeningocele after laminectomy] García de la Rocha ML, et al. **An Med Interna** 1990 Oct;7(10):531–3 (12 ref.) (Eng. Abstr.) **(Spa)**

LAMININ

ANALYSIS

Biochemical markers of hepatic fibrosis. Plebani M, et al. **Clin Biochem** 1991 Jun;24(3):219–39 (273 ref.)

BIOSYNTHESIS

Synthesis of basement membrane proteins in the small intestine. Simon-Assmann P, et al. **Digestion** 1990;46 Suppl 2:12–21 (29 ref.)

GENETICS

Adhesive recognition sequences. Yamada KM. **J Biol Chem** 1991 Jul 15;266(20):12809–12 (68 ref.)

METABOLISM

Multiple ligand binding functions for VLA-2 (alpha 2 beta 1) and VLA-3 (alpha 3 beta 1) in the integrin family. Hemler ME, et al. **Cell Differ Dev** 1990 Dec 2;32(3):229–38 (32 ref.)

Receptors for laminin on mammalian cells. Mecham RP. **FASEB J** 1991 Aug;5(11):2538–46 (71 ref.)

PHYSIOLOGY

The expression and interactions of laminin in the developing nervous system. Edgar D. **Cell Differ Dev** 1990 Dec 2; 32(3):377–81 (40 ref.)

Laminin: multiple forms, multiple receptors. Mercurio AM. **Curr Opin Cell Biol** 1990 Oct;2(5):845–9 (25 ref.)

LAMPREYS

GROWTH & DEVELOPMENT

The development of the lamprey pattern generator for locomotion. Cohen AH, et al. **J Neurobiol** 1990 Oct; 21(7):958–69 (35 ref.)

The developing visual system and metamorphosis in the lamprey. Rubinson K. **J Neurobiol** 1990 Oct;21(7):1123–35 (60 ref.)

PHYSIOLOGY

Neuronal network generating locomotor behavior in lamprey: circuitry, transmitters, membrane properties, and simulation. Grillner S, et al. **Annu Rev Neurosci** 1991; 14:169–99 (161 ref.)

The neural network underlying locomotion in lamprey—synaptic and cellular mechanisms. Grillner S, et al. **Neuron** 1991 Jul;7(1):1–15 (120 ref.)

LAN see **LOCAL AREA NETWORKS**

LANGERHANS-CELL GRANULOMATOSIS see **HISTIOCYTOSIS, LANGERHANS-CELL**

LANGERHANS CELLS

IMMUNOLOGY

The Langerhans cell: an underestimated cell in atopic disease. Fokkens WJ, et al. **Clin Exp Allergy** 1990 Nov;20(6):627–38 (76 ref.)

Antigen processing and presentation by epidermal Langerhans cells. Induction of immunity or unresponsiveness. Cruz PD Jr, et al. **Dermatol Clin** 1990 Oct;8(4):633–47 (90 ref.)

Monocytes, dendritic cells, and Langerhans cells in human immunodeficiency virus infection. Kalter DC, et al. **Dermatol Clin** 1991 Jul;9(3):415–28 (112 ref.)

Generation and characterization of T-helper cells by primary in vitro sensitization using Langerhans cells. Hauser C, et al. **Immunol Rev** 1990 Oct;117:67–84 (27 ref.)

Functional dichotomy between Langerhans cells that present antigen to naive and to memory/effector T lymphocytes. Streilein JW, et al. **Immunol Rev** 1990 Oct;117:159–83 (56 ref.)

Role of Langerhans cells in cutaneous immunologic processes. Dezutter-Dambuant C. **Semin Dermatol** 1988 Jun;7(2):163–70 (113 ref.)

PHYSIOLOGY

[The role of Langerhans cells in periodontal disease] Matarasso S, et al. **Minerva Stomatol** 1991 Apr; 40(4):199–202 (16 ref.) (Eng. Abstr.) **(Ita)**

RADIATION EFFECTS

In vivo ultraviolet irradiation of human skin results in profound perturbation of the immune system. Relevance to ultraviolet-induced skin cancer [published erratum appears in Arch Dermatol 1991 Sep;127(9):1368] Baadsgaard O. **Arch Dermatol** 1991 Jan;127(1):99–109 (137 ref.)

SECRETION

Potassium selective ion channels in insulin-secreting cells: physiology, pharmacology and their role in stimulus-secretion coupling. Dunne MJ, et al. **Biochim Biophys Acta** 1991 Mar 7;1071(1):67–82 (161 ref.)

LANGUAGE

Language lateralization in bilinguals: enough already! Paradis M. **Brain Lang** 1990 Nov;39(4):576–86 (50 ref.)

Electrophysiological perspectives on comprehending written language. Kutas M, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:155–67 (68 ref.)

Cortical organization of language. Ojemann GA. **J Neurosci** 1991 Aug;11(8):2281–7 (68 ref.)

LANGUAGE COMPREHENSION TESTS see **LANGUAGE TESTS**

LANGUAGE DELAY see **LANGUAGE DEVELOPMENT DISORDERS**

LANGUAGE DEVELOPMENT

see related
SPEECH

Thinking about thinking: a discussion of the development of cognition and language in deaf children. Christensen KM. **Am Ann Deaf** 1990 Jul;135(3):222–6 (37 ref.)

The language environment of the young infant: implications for early perceptual development. Cooper RP, et al. **Can J Psychol** 1989 Jun;43(2):247–65 (55 ref.)

The relationship between language and behaviour. Gordon N. **Dev Med Child Neurol** 1991 Jan;33(1):86–9 (24 ref.)

An ecological approach to language development: an alternative functionalism. Dent CH. **Dev Psychobiol** 1990 Nov;23(7):679–703 (125 ref.)

Structure and stimulation in the ontogeny of spoken language. Locke JL. **Dev Psychobiol** 1990 Nov; 23(7):621–43 (150 ref.)

Innateness and maturation in linguistic development. Wexler K. **Dev Psychobiol** 1990 Nov;23(7):645–60 (50 ref.)

Socio-perceptual bases for the emergence of language: an alternative to innatist approaches. Zukow PG. **Dev Psychobiol** 1990 Nov;23(7):705–26 (145 ref.)

LANGUAGE DEVELOPMENT DISORDERS

DIAGNOSIS

The relationship between language and behaviour. Gordon N. **Dev Med Child Neurol** 1991 Jan;33(1):86–9 (24 ref.)

The continuum of linguistic dysfunction from pervasive developmental disorders to dyslexia. Beitchman JH, et al. **Psychiatr Clin North Am** 1991 Mar;14(1):95–111 (111 ref.)

ETIOLOGY

Developmental dysphasia: clinical importance and underlying neurological causes. Njiokiktjien C. **Acta Paedopsychiatr** 1990;53(2):126–37 (80 ref.)

Early lexical development in children with focal brain injury. Thal DJ, et al. **Brain Lang** 1991 May;40(4):491–527 (56 ref.)

PSYCHOLOGY

Recent studies of mentally handicapped young people's behaviour. Fraser WI, et al. **J Child Psychol Psychiatry** 1991 Jan;32(1):79–108 (200 ref.)

[The problem of communication in children with hearing disorders in relation to general aspects of the development of communicative behavior. A review] Kammerer E. **Z Kinder Jugenpsychiatr** 1990 Dec;18(4):224–30 (30 ref.) **(Ger)**

THERAPY

Subject descriptions, control groups, and research designs in published studies of language-impaired children. Schmitt JF, et al. **J Commun Disord** 1990 Dec;23(6):365–82 (106 ref.)

LANGUAGE DISORDERS

DIAGNOSIS

Verbal communication impairment in dementia research frontiers in language and cognition. Domenico RA. **Adv Exp Med Biol** 1990;282:79–88 (22 ref.)

Semantic deterioration in Alzheimer's: the patterns to expect. Chobor KL, et al. **Geriatrics** 1990 Oct;45(10):68–70, 75 (38 ref.)

ETIOLOGY

[Dementia. Language and previous intelligence. Review] González Montalvo JI, et al. **Arch Neurobiol (Madr)** 1990 Sep-Oct;53(5):162–70 (69 ref.) (Eng. Abstr.) **(Spa)**

REHABILITATION

Amplification as a remediation technique for children with normal peripheral hearing. Committee on Amplification for the Hearing Impaired American Speech-Language-Hearing Association. **ASHA** 1991 Jan; 33(1 Suppl 3):22–4 (21 ref.)

LANGUAGE PATHOLOGY see **SPEECH-LANGUAGE PATHOLOGY**

LANGUAGE TESTS

Verbal communication impairment in dementia research frontiers in language and cognition. Domenico RA. **Adv Exp Med Biol** 1990;282:79–88 (22 ref.)

LANGURS see **CERCOPITHECIDAE**

LANTHANIDES see **METALS, RARE EARTH**

LANTHANUM

TOXICITY

Effects of lanthanum in cellular systems. A review. Das T, et al. **Biol Trace Elem Res** 1988 Dec;18:201–28 (222 ref.)

LANUGO see **HAIR**

LAPAROSCOPY see **PERITONEOSCOPY**

LAPAROTOMY

[Long-term clinical course after second laparotomy in ovarian cancer] Stöckle E, et al. **Bull Cancer (Paris)** 1990; 77(11):1087–98 (28 ref.) (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Reoperation for intra-abdominal abscess. Fry DE, et al. **Surg Clin North Am** 1991 Feb;71(1):159–74 (30 ref.)

METHODS

Abdominal, vaginal, and laser surgery. Spangler DB. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):280–6 (22 ref.)

STANDARDS

Conservative surgical treatment for severe endometriosis in infertile women: are we making progress? Candiani GB, et al. **Obstet Gynecol Surv** 1991 Jul;46(7):490–8 (91 ref.)

LARVA MIGRANS

DIAGNOSIS

[Toxocara canis in apparently bilateral ocular site] el Matri L, et al. **J Fr Ophtalmol** 1990;13(5):303–8 (17 ref.) (Eng. Abstr.) **(Fre)**

LARVA MIGRANS, CUTANEOUS see **LARVA MIGRANS**

LARVA MIGRANS, OCULAR see **LARVA MIGRANS**

LARVA MIGRANS, VISCERAL

COMPLICATIONS

Visceral larva migrans producing static encephalopathy in an infant. Fortenberry JD, et al. **Pediatr Infect Dis J** 1991 May;10(5):403–6 (26 ref.)

LARYNGEAL CARTILAGES

PATHOLOGY

Laryngotracheobronchial cartilage calcification in children. A case report and review of the literature. Santos JM. **Pediatr Radiol** 1991;21(5):377–8 (9 ref.)

LARYNGEAL DISEASES

COMPLICATIONS

Masqueraders in clinical allergy: laryngeal dysfunction causing dyspnea [published erratum appears in Ann Allergy 1991 Jan;66(1):22] O'Hollaren MT. **Ann Allergy** 1990 Nov; 65(5):351–6 (27 ref.)

The stridorous infant. Nowlin JH, et al. **Ear Nose Throat J** 1991 Feb;70(2):84–8 (19 ref.)

The association of laryngoceles with squamous cell carcinoma of the larynx. Celin SE, et al. **Laryngoscope** 1991

May;101(5):529–36 (17 ref.)
[Episodic laryngeal dyskinesia: a functional cause of stridor] Magnenat JL, et al. **Rev Mal Respir** 1991;8(1):95–9 (28 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Laryngeal involvement in disseminated coccidioidomycosis. Boyle JO, et al. **Arch Otolaryngol Head Neck Surg** 1991 Apr;117(4):433–8 (25 ref.)
Imaging of the larynx and cervical trachea. Curtin HD. **Curr Opin Radiol** 1991 Feb;3(1):84–92 (23 ref.)
Magnetic resonance imaging of the larynx. Jabour BA, et al. **Top Magn Reson Imaging** 1990 Sep;2(4):60–8 (27 ref.)
[Amyloidosis in the ear, nose and throat] Sawaki S. **Nippon Rinsho** 1991 Apr;49(4):931–4 (10 ref.) **(Jpn)**
[2 cases of laryngeal amyloidosis] Lacosta Nicolás JL, et al. **Acta Otorrinolaringol Esp** 1991 May–Jun;42(3):198–200 (16 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Complications of reflux esophagitis and their medical management. Kozarek RA. **Gastroenterol Clin North Am** 1990 Sep;19(3):713–31 (126 ref.)
The otolaryngologic manifestations of gastroesophageal reflux disease (GERD): a clinical investigation of 225 patients using ambulatory 24–hour pH monitoring and an experimental investigation of the role of acid and pepsin in the development of laryngeal injury. Koufman JA. **Laryngoscope** 1991 Apr;101(4 Pt 2 Suppl 53):1–78 (390 ref.)

VETERINARY

Upper airway conditions in older horses, broodmares, and stallions. Embertson RM. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):149–64 (66 ref.)
Laryngoscopy. Roudebush P. **Vet Clin North Am Small Anim Pract** 1990 Sep;20(5):1291–5 (3 ref.)

LARYNGEAL GRANULOMA see **GRANULOMA, LARYNGEAL**

LARYNGEAL NEOPLASMS

Recurrent respiratory papillomatosis: progression to invasion and malignancy. Gaylis B, et al. **Am J Otolaryngol** 1991 Mar–Apr;12(2):104–12 (34 ref.)
Rhabdomyoma of the cricopharyngeus in an infant. Pownell PH, et al. **Int J Pediatr Otorhinolaryngol** 1990 Nov; 20(2):149–58 (24 ref.)
Paraganglioma of the larynx. A critical review of the literature. Barnes L. **ORL J Otorhinolaryngol Relat Spec** 1991;53(4):220–34 (110 ref.)
Small cell neuroendocrine carcinoma of the larynx. A critical review of the literature. Gnepp DR. **ORL J Otorhinolaryngol Relat Spec** 1991;53(4):210–9 (80 ref.)
Carcinoid tumor of the larynx. A critical review of the literature. el–Naggar AK, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(4):188–93 (19 ref.)
Atypical carcinoid tumor of the larynx. A critical review of the literature. Woodruff JM, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(4):194–209 (86 ref.)
Extraskeletal myxoid chondrosarcoma of the epiglottis: case report and review of the literature. Wilkinson AH 3d, et al. **Otolaryngol Head Neck Surg** 1991 Feb;104(2):257–60 (15 ref.)

CHEMISTRY

[Leiomyosarcoma of the larynx. Histological, immunohistochemical and ultrastructural study of a case with review of the literature] Bertheau P, et al. **Ann Pathol** 1991;11(2):122–7 (18 ref.) (Eng. Abstr.) **(Fre)**

CLASSIFICATION

Terminology and classification of neuroendocrine neoplasms of the larynx. Ferlito A, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(4):185–7 (30 ref.)

COMPLICATIONS

The association of laryngoceles with squamous cell carcinoma of the larynx. Celin SE, et al. **Laryngoscope** 1991 May;101(5):529–36 (17 ref.)
Neurological manifestations of neuroendocrine neoplasms of the larynx. Deleu D, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(4):250–8 (42 ref.)

DIAGNOSIS

Laryngeal cancer: diagnosis, treatment and speech rehabilitation. McKenna JP, et al. **Am Fam Physician** 1991 Jul;44(1):123–9 (16 ref.)
A rare cause of laryngeal distress: chondrosarcoma of the larynx. Horowitz DR, et al. **Comput Med Imaging Graph** 1991 Jan–Feb;15(1):67–71 (9 ref.)
Contribution of immunohistochemistry in the diagnosis of neuroendocrine neoplasms of the larynx. Ferlito A, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(4):235–44 (60 ref.)
Controversies in the diagnosis and treatment of early carcinoma of the larynx. Loré JM Jr. **Semin Surg Oncol** 1991 Jan–Feb;7(1):31–7 (9 ref.)
[Cystic adenoid carcinoma of the larynx. Presentation of a case and review of the literature] Dueñas Parrilla JM, et al. **Acta Otorrinolaringol Esp** 1991 Jan–Feb;42(1):67–70 (23 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

The role of induction chemotherapy for organ preservation in laryngeal carcinoma. Dimery IW, et al. **Cancer Treat Res** 1990;52:209–22 (63 ref.)
Rhabdomyosarcoma of the larynx in children: a series of five patients treated in the Institut Gustave Roussy (Villejuif, France). Kato MA, et al. **Med Pediatr Oncol** 1991; 19(2):110–4 (19 ref.)

EPIDEMIOLOGY

Carcinoma of the larynx. Changing incidence in women. DeRienzo DP, et al. **Arch Otolaryngol Head Neck Surg** 1991 Jun;117(6):681–4 (16 ref.)
The incidence of cancer of the larynx. Robin PE, et al. **Clin Otolaryngol** 1991 Apr;16(2):198–201 (10 ref.)

ETIOLOGY

Alcohol and cancer. Tuyns AJ. **Proc Nutr Soc** 1990 Jul; 49(2):145–51 (33 ref.)
[Occupation and cancer of the oral cavity, pharynx and larynx] Maier H, et al. **HNO** 1990 Aug;38(8):271–8 (98 ref.) (Eng. Abstr.) **(Ger)**
[Laryngeal carcinoma and asbestos exposure. A critical review of the literature] Deitmer T. **Laryngorhinootologie** 1990 Nov;69(11):589–94 (75 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

[Immunologic modulation of tumor aggressiveness in cancer of the larynx. II. Clinicopathologic correlations with the loss of expression of the HLA ABC antigens] Esteban F, et al. **Acta Otorrinolaringol Esp** 1990 Nov–Dec; 41(6):359–68 (40 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

[Relation between sex hormones and their receptors and laryngeal cancers] Cai W, et al. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1988;23(4):246–8 (15 ref.) **(Chi)**

MORTALITY

Survival of cancer of the larynx related to treatment. Robin PE, et al. **Clin Otolaryngol** 1991 Apr;16(2):193–7 (6 ref.)

PATHOLOGY

Carcinoid tumor of the larynx. Sato K, et al. **Auris Nasus Larynx** 1991;18(1):39–53 (29 ref.)
Laryngeal leiomyoma. Kaya S, et al. **Int J Pediatr Otorhinolaryngol** 1990 Aug;19(3):285–8 (8 ref.)
Mucoepidermoid carcinoma of the larynx. Snow RT, et al. **J Am Osteopath Assoc** 1991 Feb;91(2):182–4, 187–9 (24 ref.)
Acute cor pulmonale secondary to metastatic tumor to the heart: a case report and literature review. Tallon JM, et al. **J Emerg Med** 1990 Nov–Dec;8(6):721–6 (30 ref.)
The posterior glottis. McIlwain JC. **J Otolaryngol** 1991 Jun; 20 Suppl 2:1–24 (102 ref.)
[Pathology and biologic behavior of laryngeal carcinoid] Liang CH. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1989; 24(2):98–100, 127 (9 ref.) (Eng. Abstr.) **(Chi)**
[Leiomyosarcoma of the larynx. Histological, immunohistochemical and ultrastructural study of a case with review of the literature] Bertheau P, et al. **Ann Pathol** 1991;11(2):122–7 (18 ref.) (Eng. Abstr.) **(Fre)**
[Carcinoma of the laryngeal ventricular saccule as an anatomo–clinical entity] Amador García JM, et al. **Acta Otorrinolaringol Esp** 1990 May–Jun;41(3):183–7 (22 ref.) (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Diagnostic radiology in head and neck oncology. Castelijns JA. **Curr Opin Oncol** 1990 Jun;2(3):557–61 (6 ref.)
Radiology of the larynx. Hill BJ. **Otolaryngol Clin North Am** 1973 Jun;6(2):549–61 (17 ref.)

RADIOTHERAPY

[Radiotherapy of laryngeal carcinoma (T1a/b excluding glottic cancer). Critical review of the literature and personal experience] Gabriele P, et al. **Radiol Med (Torino)** 1991 Mar;81(3):320–6 (58 ref.) (Eng. Abstr.) **(Ita)**

SURGERY

Endolaryngeal synovial sarcoma. An update on diagnosis and treatment. Ferlito A, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(2):116–9 (13 ref.)
Controversies in the diagnosis and treatment of early carcinoma of the larynx. Loré JM Jr. **Semin Surg Oncol** 1991 Jan–Feb;7(1):31–7 (9 ref.)
[Laryngectomy with Tucker's epiglottoplasty] Piquet JJ, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(8):555–8 (17 ref.) (Eng. Abstr.) **(Fre)**
[Partial vertical laryngectomies and reconstruction with plathysma myocutaneous flap] Camponês do Brasil OO, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991;112(1):45–53 (84 ref.) (Eng. Abstr.) **(Fre)**
[Partial surgery in treatment of cancers of the piriform sinus and lateral epilarynx] Piquet JJ, et al. **Arch Otorhinolaryngol Suppl** 1991;1:47–53 (13 ref.) **(Ger)**
[Larynx and hypopharynx cancers—endoscopic surgery with laser: possibilities and limits] Rudert H. **Arch Otorhinolaryngol Suppl** 1991;1:3–18 (56 ref.) **(Ger)**
[Chondrosarcoma of the larynx and laryngectomy. Apropos of 2 cases] Bernal Sprekelsen M, et al. **Acta Otorrinolaringol Esp** 1990 May–Jun;41(3):193–6 (28 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Deciding on optimal management of supraglottic carcinoma. Wang CC, et al. **Oncology (Williston Park)** 1991 Apr; 5(4):41–6; discussion 46, 49, 53 (22 ref.)
Treatment of neuroendocrine neoplasms of the larynx. Moisa II, et al. **ORL J Otorhinolaryngol Relat Spec** 1991; 53(4):259–64 (28 ref.)
[Recurrence after radiotherapy and/or surgery of carcinoma of the oropharynx and the pharynx. Possibilities of salvage surgery] Bussi M, et al. **Radiol Med (Torino)** 1991 Jul–Aug; 82(1–2):137–42 (31 ref.) (Eng. Abstr.) **(Ita)**

LARYNGEAL PARALYSIS see **VOCAL CORD PARALYSIS**

LARYNGEAL STENOSIS see **LARYNGOSTENOSIS**

LARYNGECTOMY

see related
SPEECH, ALARYNGEAL

Anterior neopharyngeal diverticulum following laryngectomy. Sobol SM, et al. **Head Neck** 1990 Nov–Dec; 12(6):520–3 (6 ref.)
[Laryngectomy with Tucker's epiglottoplasty] Piquet JJ, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(8):555–8 (17 ref.) (Eng. Abstr.) **(Fre)**
[Chondrosarcoma of the larynx and laryngectomy. Apropos of 2 cases] Bernal Sprekelsen M, et al. **Acta Otorrinolaringol Esp** 1990 May–Jun;41(3):193–6 (28 ref.) (Eng. Abstr.) **(Spa)**

METHODS

Staple closure of the hypopharynx after diverticulectomy and total laryngectomy. Wolfensberger M, et al. **Dysphagia** 1991;6(1):26–9 (26 ref.)
[Partial vertical laryngectomies and reconstruction with plathysma myocutaneous flap] Camponês do Brasil OO, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991;112(1):45–53 (84 ref.) (Eng. Abstr.) **(Fre)**
[Partial surgery in treatment of cancers of the piriform sinus and lateral epilarynx] Piquet JJ, et al. **Arch Otorhinolaryngol Suppl** 1991;1:47–53 (13 ref.) **(Ger)**
[Supracricoid hemilaryngectomy] Talavera Sánchez J, et al. **An Otorrinolaringol Ibero Am** 1991;18(2):109–25 (55 ref.) (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Psychosocial adjustment after laryngectomy: a review of the literature. Mathieson CM, et al. **J Otolaryngol** 1990 Oct; 19(5):331–6 (74 ref.)

REHABILITATION

Laryngeal cancer: diagnosis, treatment and speech rehabilitation. McKenna JP, et al. **Am Fam Physician** 1991 Jul;44(1):123–9 (16 ref.)
Mechanisms for vocal communication following total laryngectomy. Trudeau MD, et al. **Cancer Treat Res** 1990; 52:117–31 (48 ref.)

LARYNGITIS

PATHOLOGY

Actinomycosis of the larynx. Tsuji DH, et al. **Auris Nasus Larynx** 1991;18(1):79–85 (14 ref.)

LARYNGOPHARYNX see **HYPOPHARYNX**

LARYNGOSCOPY

ADVERSE EFFECTS

[Reflex response to laryngoscopy and tracheal intubation]

Villalonga Morales A, et al. **Rev Esp Anestesiol Reanim** 1990 Nov-Dec;37(6):373-7 (25 ref.) **(Spa)**

INSTRUMENTATION

[Larynx and hypopharynx cancers--endoscopic surgery with laser: possibilities and limits] Rudert H. **Arch Otorhinolaryngol Suppl** 1991;1:3-18 (56 ref.) **(Ger)**

VETERINARY

Laryngoscopy. Roudebush P. **Vet Clin North Am Small Anim Pract** 1990 Sep;20(5):1291-5 (3 ref.)

LARYNGOSTENOSIS

ETIOLOGY

Wegener's granulomatosis presenting as subglottic stenosis. Morris CJ, et al. **J Ky Med Assoc** 1990 Oct;88(10):547-50 (9 ref.)

Problems associated with prolonged intubation in the geriatric patient. Weymuller EA Jr, et al. **Otolaryngol Clin North Am** 1990 Dec;23(6):1057-74 (33 ref.)

SURGERY

Diagnosis and management of subglottic stenosis after neonatal ventilation. Morrissey MS, et al. **Arch Dis Child** 1990 Oct;65(10):1103-4 (20 ref.)

Current management of subglottic stenosis in infants and children. Myer CM 2d. **Ear Nose Throat J** 1991 Jan; 70(1):6-11 (8 ref.)

LARYNX

Aspiration and the elderly. Feinberg MJ, et al. **Dysphagia** 1990;5(2):61-71 (75 ref.)

The Laryngeal Mask--an overview. Leach AB, et al. **Eur J Anaesthesiol** 1991;Suppl 4:19-31 (59 ref.)

ABNORMALITIES

Ankyloglossia with deviation of the epiglottis and larynx. Mukai S, et al. **Ann Otol Rhinol Laryngol Suppl** 1991 May; 153:3-20 (53 ref.)

Congenital abnormalities of the infant larynx. Ferguson CF. **Otolaryngol Clin North Am** 1970 Jun;3(2):185-200 (8 ref.)

[Carcinoma of the laryngeal ventricular saccule as an anatomo-clinical entity] Amador Garcia JM, et al. **Acta Otorrinolaringol Esp** 1990 May-Jun;41(3):183-7 (22 ref.) (Eng. Abstr.) **(Spa)**

INJURIES

The treatment of acute external laryngeal injuries. 'State of the art'. Schaefer SD. **Arch Otolaryngol Head Neck Surg** 1991 Jan;117(1):35-9 (16 ref.)

Problems associated with prolonged intubation in the geriatric patient. Weymuller EA Jr, et al. **Otolaryngol Clin North Am** 1990 Dec;23(6):1057-74 (33 ref.)

PATHOLOGY

Magnetic resonance imaging of the larynx. Jabour BA, et al. **Top Magn Reson Imaging** 1990 Sep;2(4):60-8 (27 ref.)

PHYSIOPATHOLOGY

Pathophysiology of apnoea in preterm infants. Ruggins NR. **Arch Dis Child** 1991 Jan;66(1 Spec No):70-3 (37 ref.)

RADIOGRAPHY

Radiology of the larynx. Hill BJ. **Otolaryngol Clin North Am** 1973 Jun;6(2):549-61 (17 ref.)

SURGERY

Chemotherapy and the management of locally advanced squamous cell carcinoma of the head and neck: role in larynx preservation. Bosl GJ, et al. **Important Adv Oncol** 1991;:191-203 (58 ref.)

LARYNX, ARTIFICIAL

see related
SPEECH, ALARYNGEAL

LASER ANGIOPLASTY see **ANGIOPLASTY, LASER**

LASER KNIFE see **LASER SURGERY**

LASER SCALPEL see **LASER SURGERY**

LASER SURGERY

Lasers 1990. Wheeland RG. **Adv Dermatol** 1991;6:125-41; discussion 142 (92 ref.)

The role of lasers in otolaryngology. Carruth JA. **Ann Chir Gynaecol** 1990;79(4):216-24 (36 ref.)

Squamous cervical intraepithelial neoplasia: the role of laser treatment. Sharp F, et al. **Ann Chir Gynaecol** 1990; 79(4):225-30 (25 ref.)

Laser applications in cosmetic surgery. Toregard BM. **Ann Chir Gynaecol** 1990;79(4):208-15 (9 ref.)

Lasers and related new technologies for endoscopic use in gynaecology. A review of their place in Australian practice. Fraser IS. **Aust N Z J Obstet Gynaecol** 1990 Aug; 30(3):221-7 (31 ref.)

Anterior segment laser surgery: basics. Fernández-Bahamonde JL. **Bol Asoc Med P R** 1990 Dec; 82(12):528-30 (4 ref.)

The treatment of CIN: do we need lasers? [comment] Giles JA, et al. **Br J Obstet Gynaecol** 1991 Jan;98(1):3-6 (11 ref.) Comment on: Br J Obstet Gynaecol 1991 Jan;98(1):14-20.

Laser treatment of transitional cell cancer of the bladder and upper urinary tract. Orihuela E, et al. **Cancer Treat Res** 1989;46:123-42 (42 ref.)

Medicine, lasers and surgery. Cyrlin MN. **CLAO J** 1991 Apr; 17(2):138-40 (14 ref.)

Complications of foot surgery. Laser surgery. Mancuso JE. **Clin Podiatr Med Surg** 1991 Apr;8(2):399-408 (20 ref.)

Laser and surgical therapy in gynecologic oncology. Soper JT. **Curr Opin Oncol** 1990 Oct;2(5):870-80 (36 ref.)

Laser treatment of congenital vascular malformations. Landthaler M, et al. **Int Angiol** 1990 Jul-Sep;9(3):208-13 (43 ref.)

Update on laser corneal surgery. Talamo JH, et al. **Int Ophthalmol Clin** 1991 Winter;31(1):13-23 (49 ref.)

Biochemical mechanisms of laser vascular tissue fusion. Guthrie CR, et al. **J Invest Surg** 1991;4(1):3-12 (15 ref.)

Contact neodymium:YAG laser. Experimental studies and oculoplastic applications. Dickson JB, et al. **Ophthal Plast Reconstr Surg** 1989;5(1):17-26 (13 ref.)

Long-term efficacy of repeat argon laser trabeculoplasty. Feldman RM, et al. **Ophthalmology** 1991 Jul;98(7):1061-5 (18 ref.)

Current and future trends in laser medicine. Parrish JA, et al. **Photochem Photobiol** 1991 Jun;53(6):731-8 (30 ref.)

Application of laser energy in urologic surgery. Smith JA Jr. **Surg Annu** 1991;23 Pt 2:81-97 (28 ref.)

Laser trabeculoplasty. Reiss GR, et al. **Surv Ophthalmol** 1991 May-Jun;35(6):407-28 (175 ref.)

[Excimer lasers in ophthalmology. Review] Hycl J. **Cesk Oftalmol** 1990 Nov;46(6):453-62 (42 ref.) **(Cze)**

[Krypton laser treatment of macular retinal detachment associated with optic nerve pit] Sampoux P, et al. **Bull Soc Ophtalmol Fr** 1990 Aug-Sep;90(8-9):783-7 (7 ref.) (Eng. Abstr.) **(Fre)**

[CO2 laser in gynecologic microsurgery] Forgács V, et al. **Orv Hetil** 1990 Dec 30;131(52):2867-70 (21 ref.) (Eng. Abstr.) **(Hun)**

[Lasers in surgery of arrhythmia] Bokeriia LA, et al. **Kardiologiia** 1990 Aug;30(8):102-5 (81 ref.) **(Rus)**

[Characteristics of healing of anastomoses in surgery of the alimentary tract performed with laser irradiation] Grubnik VV, et al. **Klin Khir** 1991;(5):57-61 (77 ref.) **(Rus)**

[The laser treatment of secondary cataracts] Bakutkin VV, et al. **Oftalmol Zh** 1990;(2):113-8 (90 ref.) **(Rus)**

[Cancer treatment can be "tailor-made" with laser surgery and photochemistry] Löfgren L. **Lakartidningen** 1990 Sep 5;87(36):2754, 2757-60 (12 ref.) **(Swe)**

INSTRUMENTATION

Lasers in medicine. Viherkoski E. **Ann Chir Gynaecol** 1990; 79(4):176-81 (13 ref.)

The future of lasers in gynaecology. Sutton C. **Arch Gynecol Obstet** 1990;247 Suppl:S72-80 (14 ref.)

[Physics of the laser in the gynecologic field] Heinzl S. **Arch Gynecol Obstet** 1990;247 Suppl:S36-43 (8 ref.) **(Ger)**

[Larynx and hypopharynx cancers--endoscopic surgery with laser: possibilities and limits] Rudert H. **Arch Otorhinolaryngol Suppl** 1991;1:3-18 (56 ref.) **(Ger)**

[Possible uses of laser in gastroenterology] Bosseckert H. **Z Gesamte Inn Med** 1990 Oct 15;45(20):621-3 (13 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Laser treatment of benign cutaneous vascular lesions. Alster T, et al. **Am Fam Physician** 1991 Aug;44(2):547-54 (35 ref.)

Endoscopic application of laser in gynecology. Tadir Y, et al. **Ann Chir Gynaecol** 1990;79(4):231-9 (67 ref.)

Surgical management of perilymph fistulas. A new technique. Black FO, et al. **Arch Otolaryngol Head Neck Surg** 1991 Jun;117(6):641-8 (54 ref.)

Surgical alternatives to hysterectomy for intractable menorrhagia [see comments] Boto TC, et al. **Br J Hosp Med** 1990 Aug;44(2):93-9 (50 ref.) Comment in: Br J Hosp Med 1990 Nov;44(5):318.

Lasers in the treatment of bladder cancer. Ruston MA, et al. **Br J Urol** 1991 May;67(5):449-55 (37 ref.)

Clinical management of port-wine stain in infants and young children using the flashlamp-pulsed dye laser. Nelson JS, et al. **Clin Pediatr (Phila)** 1990 Sep;29(9):503-8; discussion 509 (17 ref.)

Abdominal, vaginal, and laser surgery. Spangler DB. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):280-6 (22 ref.)

Laser treatment of age-related maculopathy (AMD) with subretinal neovascularization (SRN). Oosterhuis JA. **Fortschr Ophthalmol** 1990;87 Suppl:S52-61 (50 ref.)

Lasers for otosclerosis--which one if any and why. Lesinski SG. **Lasers Surg Med** 1990;10(5):448-57 (19 ref.)

Glaucoma treatment and the laser revolution. Pollack IP. **Md Med J** 1991 Jun;40(6):493-6 (38 ref.)

Choice of lasers for minimally invasive spinal surgery. Stith WJ, et al. **Orthop Rev** 1991 Feb;20(2):137-42 (32 ref.)

Office dermatologic surgery and laser therapy. Roenigk RK. **Postgrad Med** 1991 Aug;90(2):209-15 (23 ref.)

[Treatment of atherosclerosis. New percutaneous intraluminal techniques] Lablanche JM. **Presse Med** 1990 Oct 6;19(32):1497-502 (44 ref.) (Eng. Abstr.) **(Fre)**

[Use of laser in cardiovascular medicine] Chavantes MC, et al. **Arq Bras Cardiol** 1990 Jan;54(1):63-8 (57 ref.) **(Por)**

[Use of laser welded suture on the blood vessels and in surgery of the gastrointestinal tract] Gondzhilashvili VG, et al. **Khirurgiia (Mosk)** 1991 Mar;(3):141-5 (66 ref.) **(Rus)**

[Use of lasers on aluminum-yttrium garnet with neodymium in clinical practice] Skobelkin OK, et al. **Khirurgiia (Mosk)** 1990 Aug;(8):155-7 (15 ref.) **(Rus)**

UTILIZATION

New uses of the laser in thoracic and cardiovascular surgery. Michaelis LL, et al. **Jpn J Surg** 1990 Nov;20(6):620-6 (35 ref.)

VETERINARY

Application of lasers in equine upper respiratory surgery. Tate LP. **Vet Clin North Am Equine Pract** 1991 Apr; 7(1):165-95 (35 ref.)

LASER VELOCIMETERS see **FLOWMETERS**

LASERS

see related
HOLOGRAPHY

Laser light scattering in biochemistry. Introductory remarks. Harding SE, et al. **Biochem Soc Trans** 1991 Apr;19(2):477 (2 ref.)

Action of low-intensity laser radiation on Escherichia coli. Tiphlova O, et al. **Crit Rev Biomed Eng** 1991;18(6):387-412 (115 ref.)

Dental lasers and science. Zakariasen KL, et al. **J Can Dent Assoc** 1991 Jul;57(7):570-3 (40 ref.)

Laser-based detectors in chromatographic analysis. Rossi TM. **J Pharm Biomed Anal** 1990;8(6):469-76 (34 ref.)

XeCl excimer laser coronary angioplasty: a convergence of favourable factors. Avrillier S, et al. **J Photochem Photobiol B** 1990 Jun;6(1-2):249-57 (24 ref.)

Physics of thermal processes in laser-tissue interaction. McKenzie AL. **Phys Med Biol** 1990 Sep;35(9):1175-209 (150 ref.)

Mass spectrometry and its use in tandem with laser spectroscopy. Grant ER, et al. **Science** 1990 Oct 5; 250(4977):61-8 (138 ref.)

[Clinical and experimental studies of the effect of low-intensity laser irradiation on the blood and blood vessels] Radionov BV, et al. **Sov Med** 1991;(1):27-9 (30 ref.) **(Rus)**

ADVERSE EFFECTS

Recent studies on photodamage to the eye with special reference to clinical phototherapeutic procedures. Andley UP, et al. **Photodermatol Photoimmunol Photomed** 1990 Jun; 7(3):98-105 (64 ref.)

DIAGNOSTIC USE

Laser-Doppler flowmetry. Oberg PA. **Crit Rev Biomed Eng** 1990;18(2):125-63 (245 ref.)

Principles of laser light-scattering spectroscopy: applications to the physicochemical study of model and native biles. Cohen DE, et al. **Hepatology** 1990 Sep;12(3 Pt 2):113S-121S; discussion 121S-122S (25 ref.)

A critical review of laser Doppler flowmetry. Obeid AN, et al. **J Med Eng Technol** 1990 Sep-Oct;14(5):178-81 (15 ref.)

Laser-Doppler flowmetry. A review of its application for measuring cerebral and spinal cord blood flow. Frerichs KU, et al. **Mol Chem Neuropathol** 1990 Jan;12(1):55-70 (29 ref.)

[Static microperimetry with the laser scanning ophthalmoscope] Van de Velde FJ, et al. **Ophtalmologie** 1990 May-Jun;4(3):291-4 (4 ref.) (Eng. Abstr.) **(Fre)**

[Possible uses of laser in gastroenterology] Bosseckert H. **Z Gesamte Inn Med** 1990 Oct 15;45(20):621-3 (13 ref.) (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Interstitial laser hyperthermia in tumour therapy. Masters A, et al. **Ann Chir Gynaecol** 1990;79(4):244-51 (34 ref.)

Photodynamic therapy. Puolakkainen P, et al. **Ann Chir Gynaecol** 1990;79(4):240-3 (31 ref.)

Laser treatment of tumours in the gastrointestinal tract. Tranberg KG. **Ann Chir Gynaecol** 1990;79(4):182-8 (48 ref.)

The future of lasers in gynaecology. Sutton C. **Arch Gynecol Obstet** 1990;247 Suppl:S72-80 (14 ref.)

Palliative laser therapy for tumours of the gastrointestinal tract. Krasner N. **Baillieres Clin Gastroenterol** 1991 Mar; 5(1):37-59 (109 ref.)

Laser fragmentation of pancreatic stones. Renner IG. **Endoscopy** 1991 May;23(3):166-70 (36 ref.)

Lasers in dentistry: new possibilities with advancing laser

technology? Frentzen M, et al. **Int Dent J** 1990 Dec; 40(6):323–32 (50 ref.)
The medical necessity of evaluation and treatment of port–wine stains. Geronemus RG, et al. **J Dermatol Surg Oncol** 1991 Jan;17(1):76–9 (22 ref.)
Future directions of laser phototherapy for diagnosis and treatment of malignancies: fantasy, fallacy, or reality? Castro DJ, et al. **Laryngoscope** 1991 Jul;101(7 Pt 2 Suppl 55):1–10 (66 ref.)
Current and future trends in laser medicine. Parrish JA, et al. **Photochem Photobiol** 1991 Jun;53(6):731–8 (30 ref.)
Interstitial laser hyperthermia for the treatment of hepatic and pancreatic tumours. Steger AC. **Photochem Photobiol** 1991 Jun;53(6):837–44 (82 ref.)
Pathologic analysis of photothermal and photomechanical effects of laser–tissue interactions. Thomsen S. **Photochem Photobiol** 1991 Jun;53(6):825–35 (55 ref.)
Laser thermal ablation. Welch AJ, et al. **Photochem Photobiol** 1991 Jun;53(6):815–23 (21 ref.)
Laser lithotripsy of ureteral calculi. Hofmann R, et al. **Urol Res** 1990;18 Suppl 1:S49–55 (21 ref.)
[Non–surgical treatment of cholecystolithiasis: laser lithotripsy in the gallbladder] Ell C. **Z Gastroenterol Verh** 1991 Mar;26:202–3 (15 ref.) **(Ger)**
[Ureteral lithotripsy with rigid ureteroscopy and pulsed dye laser] Scarpa RM, et al. **Arch Ital Urol Nefrol Androl** 1991 Mar;63(1):119–24 (11 ref.) (Eng. Abstr.) **(Ita)**
[An approach to biological effects of the lasers] Yamamoto H, et al. **Kokubyo Gakkai Zasshi** 1990 Dec;57(4):457–63 (26 ref.) **(Jpn)**
[Laser correction of arrhythmia] Bobrov VA, et al. **Kardiologiia** 1990 Dec;30(12):76–9 (62 ref.) **(Rus)**
[Laser irradiation of blood in surgery] Gostishchev VK, et al. **Khirurgiia (Mosk)** 1991 Jan;(1):121–5 (98 ref.) **(Rus)**
[Laser therapy of chronic obstructive lung diseases] Demicheva EV. **Sov Med** 1991;(2):32–6 (62 ref.) **(Rus)**
[Laser photosensitizing therapy in cardiology] Bobrov VA, et al. **Ter Arkh** 1990;62(9):145–7 (43 ref.) **(Rus)**

LASSITUDE see **FATIGUE**

LATE GENE TRANSCRIPTION see **TRANSCRIPTION, GENETIC**

LATE PROMOTERS see **PROMOTER REGIONS (GENETICS)**

LATENT SCHIZOPHRENIA see **SCHIZOTYPAL PERSONALITY DISORDER**

LATERAL CYST see **PERIODONTAL CYST**

LATERAL SCLEROSIS see **AMYOTROPHIC LATERAL SCLEROSIS**

LATERALITY

The development of handedness in left/right asymmetry. Brown NA, et al. **Development** 1990 May;109(1):1–9 (51 ref.)
Laterality and cerebral dominance. Annett M. **J Child Psychol Psychiatry** 1991 Jan;32(2):219–32 (90 ref.)
Left out axons make men right: a hypothesis for the origin of handedness and functional asymmetry. Witelson SF, et al. **Neuropsychologia** 1991;29(4):327–33 (50 ref.)
Left–handedness: a marker for decreased survival fitness. Coren S, et al. **Psychol Bull** 1991 Jan;109(1):90–106 (115 ref.)
Manual laterality in nonhuman primates: a distinction between handedness and manual specialization. Fagot J, et al. **Psychol Bull** 1991 Jan;109(1):76–89 (122 ref.)

GENETICS

Animal asymmetry and human heredity: dextrality, tool use and language in evolution—10 years after Walker (1980). Bradshaw JL. **Br J Psychol** 1991 Feb;82 (Pt 1):39–59 (1145 ref.)

PHYSIOLOGY

Different patterns of dissociation in unilateral spatial neglect. Cubelli R, et al. **Brain Cogn** 1991 Mar;15(2):139–59 (73 ref.)
The cerebral hemispheres and bilateral neural nets. Cook ND, et al. **Int J Neurosci** 1990 Jun;52(3–4):201–10 (21 ref.)
Toward a model to explain infant preferences by cerebral emotional asymmetry and hemisphere priming. Drake RA, et al. **Int J Neurosci** 1990 Jan;50(1–2):29–35 (66 ref.)
On the interpretation of asymmetries of posture and locomotion produced with dopamine agonists in animals with unilateral depletion of striatal dopamine. Miller R, et al. **Prog Neurobiol** 1991;36(3):229–56 (187 ref.)
Laterality of cerebral controls on somatic and autonomic functions. Tohgi H, et al. **Tohoku J Exp Med** 1990 Aug; 161 Suppl:213–29 (33 ref.)
[Laterality and ORL pathology] Chouard CH. **Ann Otolaryngol Chir Cervicofac** 1991;108(3):169–80 (71 ref.) (Eng. Abstr.) **(Fre)**
[Theoretical aspects of handedness] Reiss M. **Z Arztl Fortbild (Jena)** 1991 Apr 25;85(8):379–83 (19 ref.) **(Ger)**
[Functional cerebral lateralization: neurobiology and clinical aspects in childhood] Narbona García J. **Rev Med Univ Navarra** 1989 Apr–Jun;33(2):89–99 (128 ref.) (Eng. Abstr.) **(Spa)**

LATEX

ADVERSE EFFECTS

Allergic reaction to latex: a risk factor for unsuspected anaphylaxis. Warpinski JR, et al. **Allergy Proc** 1991 Mar–Apr;12(2):95–102 (25 ref.)
Management of allergic contact dermatitis due to rubber gloves in health and hospital personnel. Fisher AA. **Cutis** 1991 May;47(5):301–2 (12 ref.)

LATEX RUBBER see **RUBBER**

LATHYRISM

ETIOLOGY

Lathyrism and western Pacific amyotrophic lateral sclerosis: etiology of short and long latency motor system disorders. Spencer PS, et al. **Adv Neurol** 1991;56:287–99 (66 ref.)

LATHYRUS see **LEGUMES**

LATICES see **LATEX**

LATRODECTUS MACTANS see **BLACK WIDOW SPIDER**

LATS RECEPTORS see **RECEPTORS, THYROID HORMONE**

LAUNDERING

[Significance of laundry detergent residues from a dermato–toxicological viewpoint] Matthies W, et al. **Derm Beruf Umwelt** 1990 Nov–Dec;38(6):184–9 (36 ref.) (Eng. Abstr.) **(Ger)**

LAURIC ACIDS

PHARMACOLOGY

Photosensitization of cultured cells and viruses by pyrene lipids. Gatt S, et al. **Indian J Biochem Biophys** 1990 Dec; 27(6):359–62 (23 ref.)

LAV–2 see **HIV–2**

LAV ANTIBODIES see **HIV ANTIBODIES**

LAV ANTIGENS see **HIV ANTIGENS**

LAV–HTLV–III see **HIV**

LAVAGE see **IRRIGATION**

LAVAGE, PERITONEAL see **PERITONEAL LAVAGE**

LAXATIVES see **CATHARTICS**

LAXITY, JOINT see **JOINT INSTABILITY**

LDL CHOLESTEROL see **LIPOPROTEINS, LDL CHOLESTEROL**

LDL RECEPTORS see **RECEPTORS, LDL**

LEAD

Lead. Gerson B. **Clin Lab Med** 1990 Sep;10(3):441–57 (40 ref.)
The safety of low melting point bismuth/lead alloys: a review. Glasgow GP. **Med Dosim** 1991 Mar;16(1):13–8 (13 ref.)

ADVERSE EFFECTS

Does lead play a role in the development of chronic renal disease? Nuyts GD, et al. **Nephrol Dial Transplant** 1991; 6(5):307–15 (64 ref.)
[The chronic action of lead on the vascular system: the problem of ecological pathology] Zerbino DD, et al. **Arkh Patol** 1990;52(7):70–3 (50 ref.) (Eng. Abstr.) **(Rus)**

ANALYSIS

Measurements of trace elements in vivo. Chettle DR, et al. **Basic Life Sci** 1990;55:247–57 (41 ref.)
Lead in bone: sampling and quantitation using K X–rays excited by 109Cd. Chettle DR, et al. **Environ Health Perspect** 1991 Feb;91:49–55 (20 ref.)
Predictors of tooth–lead level with special reference to traffic. A study of lead–exposure in children. Lyngbye T, et al. **Int Arch Occup Environ Health** 1990;62(6):417–22 (37 ref.)
Environmental lead in Mexico. Albert LA, et al. **Rev Environ Contam Toxicol** 1991;117:1–49 (100 ref.)
[A method of atomic absorption spectrophotometry (AAS) for analysis of cadmium and lead levels in the plant material] Jędrzejczak R, et al. **Rocz Panstw Zakl Hig** 1990; 41(5–6):223–9 (8 ref.) (Eng. Abstr.) **(Pol)**

BLOOD

Blood lead and blood pressure: a cross sectional study in a general population group. Apostoli P, et al. **Cardiologia** 1990 Jul;35(7):597–603 (23 ref.)
[Lead exposure and its effects on child health] Vega J, et al. **Rev Chil Pediatr** 1990 May–Jun;61(3):154–60 (33 ref.) (Eng. Abstr.) **(Spa)**

PHARMACOKINETICS

Effects of exposure to excessive quantities of lead on animals. Humphreys DJ. **Br Vet J** 1991 Jan–Feb;147(1):18–30 (59 ref.)
Heavy metal concentrations in humans [published erratum appears in Comp Biochem Physiol [C] 1990;97(2):393] Schweinsberg F, et al. **Comp Biochem Physiol [C]** 1990; 95(2):117–23 (16 ref.)
Transplacental transport of lead. Goyer RA. **Environ Health Perspect** 1990 Nov;89:101–5 (35 ref.)
Toxicokinetics of bone lead. Rabinowitz MB. **Environ Health Perspect** 1991 Feb;91:33–7 (25 ref.)
Lead in bone: implications for toxicology during pregnancy and lactation. Silbergeld EK. **Environ Health Perspect** 1991 Feb;91:63–70 (48 ref.)
Review of lead toxicology relevant to the safety assessment of lead acetate as a hair colouring. Cohen AJ, et al. **Food Chem Toxicol** 1991 Jul;29(7):485–507 (205 ref.)
Biokinetics of lead during pregnancy. Mahaffey KR. **Fundam Appl Toxicol** 1991 Jan;16(1):15–6 (10 ref.)

TOXICITY

Risks from radon progeny exposure: what we know, and what we need to know. Guilmette RA, et al. **Annu Rev Pharmacol Toxicol** 1991;31:569–601 (197 ref.)
Mechanisms of lead neurotoxicity. Bressler JP, et al. **Biochem Pharmacol** 1991 Feb 15;41(4):479–84 (64 ref.)
Cellular and molecular toxicity of lead in bone. Pounds JG, et al. **Environ Health Perspect** 1991 Feb;91:17–32 (144 ref.)
Comparative observations on inorganic and organic lead neurotoxicity. Verity MA. **Environ Health Perspect** 1990 Nov;89:43–8 (74 ref.)
The neurotoxicology and pathology of organomercury, organolead, and organotin. Chang LW. **J Toxicol Sci** 1990 Dec;15 Suppl 4:125–51 (110 ref.)

LEAD POISONING

Adult chronic lead intoxication. A clinical review. Balestra DJ. **Arch Intern Med** 1991 Sep;151(9):1718–20 (28 ref.)
The management of lead exposure in pediatric populations. Barker PO, et al. **Nurse Pract** 1990 Dec;15(12):8–16 (10 ref.)

COMPLICATIONS

Risk assessment of the developmental neurotoxicity of lead. Davis JM. **Neurotoxicology** 1990 Summer;11(2):285–91 (20 ref.)
Lead toxicology and neurotoxicology. McIntosh MJ, et al. **Rev Environ Health** 1989 Jan–Dec;8(1–4):87–118 (253 ref.)
[An acute pseudo–obstruction of the colon with a background of chronic lead poisoning] Pătrașcu T, et al. **Rev Chir [Chir]** 1990 Jan–Feb;39(1):63–6 (0 ref.) (Eng. Abstr.) **(Rum)**
[Lead exposure and its effects on child health] Vega J, et al. **Rev Chil Pediatr** 1990 May–Jun;61(3):154–60 (33 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Exposure to lead in infancy and childhood] Bravo Mata M, et al. **An Esp Pediatr** 1991 May;34(5):342–8 (60 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Evaluation of the potential role of chelation therapy in treatment of low to moderate lead exposures. Chisolm JJ Jr. **Environ Health Perspect** 1990 Nov;89:67–74 (31 ref.)
The use of D–penicillamine for lead poisoning. Beattie AD. **Proc R Soc Med** 1977;70 Suppl 3:43–5 (11 ref.)

EPIDEMIOLOGY

The health effects of low level exposure to lead. Needleman HL, et al. **Annu Rev Public Health** 1991;12:111–40 (110 ref.)
Acute lead poisoning in nursing home and psychiatric patients from the ingestion of lead–based ceramic glazes. Vance MV, et al. **Arch Intern Med** 1990 Oct; 150(10):2085–92 (36 ref.)
Strategies for epidemiologic studies of lead in bone in occupationally exposed populations. Landrigan PJ. **Environ Health Perspect** 1991 Feb;91:81–6 (52 ref.)
Current issues in the epidemiology and toxicology of occupational exposure to lead. Landrigan PJ. **Environ Health Perspect** 1990 Nov;89:61–6 (54 ref.)
Lead poisoning in Hawaii: 1990. Wiebe RA, et al. **Hawaii Med J** 1991 Mar;50(3):89–95 (45 ref.)

ETIOLOGY

The cultural parameters of lead poisoning: a medical anthropologist's view of intervention in environmental lead exposure. Trotter RT 2d. **Environ Health Perspect** 1990

Nov;89:79–84 (25 ref.)
Review of lead toxicology relevant to the safety assessment of lead acetate as a hair colouring. Cohen AJ, et al. **Food Chem Toxicol** 1991 Jul;29(7):485–507 (205 ref.)

METABOLISM

Cellular and molecular toxicity of lead in bone. Pounds JG, et al. **Environ Health Perspect** 1991 Feb;91:17–32 (144 ref.)
Toxicokinetics of bone lead. Rabinowitz MB. **Environ Health Perspect** 1991 Feb;91:33–7 (25 ref.)
Physiology of bone: mineral compartment proteins as candidates for environmental perturbation by lead. Sauk JJ, et al. **Environ Health Perspect** 1991 Feb;91:9–16 (86 ref.)
Lead in bone: implications for toxicology during pregnancy and lactation. Silbergeld EK. **Environ Health Perspect** 1991 Feb;91:63–70 (48 ref.)
Free radicals involvement in neurological porphyrias and lead poisoning. Monteiro HP, et al. **Mol Cell Biochem** 1991 Apr 24;103(1):73–83 (88 ref.)

PHYSIOPATHOLOGY

Issues of lead toxicity. Nicholls DM, et al. **Basic Life Sci** 1990;55:237–46 (63 ref.)
Lead poisoning and brain cell function. Goldstein GW. **Environ Health Perspect** 1990 Nov;89:91–4 (28 ref.)
Comparative observations on inorganic and organic lead neurotoxicity. Verity MA. **Environ Health Perspect** 1990 Nov;89:43–8 (74 ref.)
Human fetal lead exposure: intrauterine growth, maturation, and postnatal neurobehavioral development. Dietrich KN. **Fundam Appl Toxicol** 1991 Jan;16(1):17–9 (21 ref.)

PREVENTION & CONTROL

Environmental lead toxicity: nutrition as a component of intervention. Mahaffey KR. **Environ Health Perspect** 1990 Nov;89:75–8 (28 ref.)
The future challenge of lead toxicity. Needleman HL. **Environ Health Perspect** 1990 Nov;89:85–9 (36 ref.)
Implications of new data on lead toxicity for managing and preventing exposure. Silbergeld EK. **Environ Health Perspect** 1990 Nov;89:49–54 (45 ref.)
[Health surveillance of workers exposed to lead in the County of Arhus] Rasmussen K, et al. **Ugeskr Laeger** 1991 Apr 1;153(14):975–8 (14 ref.) (Eng. Abstr.) **(Dan)**

VETERINARY

Effects of exposure to excessive quantities of lead on animals. Humphreys DJ. **Br Vet J** 1991 Jan–Feb;147(1):18–30 (59 ref.)

LEADER SIGNAL PEPTIDES see **SIGNAL PEPTIDES**

LEARNED HELPLESSNESS see **HELPLESSNESS, LEARNED**

LEARNING

The parent connection. Snodgrass DM. **Adolescence** 1991 Spring;26(101):83–7 (14 ref.)
Movies and juvenile delinquency: an overview. Snyder S. **Adolescence** 1991 Spring;26(101):121–32 (49 ref.)
Application of motor learning principles in occupational therapy. Poole JL. **Am J Occup Ther** 1991 Jun;45(6):531–7 (49 ref.)
Motor learning concepts applied to activity-based intervention with adults with hemiplegia. Sabari JS. **Am J Occup Ther** 1991 Jun;45(6):523–30 (60 ref.)
Visual discrimination learning in binocularly deprived cats: 20 years of studies in the Nencki Institute. Zernicki B. **Brain Res Brain Res Rev** 1991 Jan–Apr;16(1):1–13 (59 ref.)
Review of experimental learning theory research in the nursing profession. Laschinger HK. **J Adv Nurs** 1990 Aug; 15(8):985–93 (34 ref.)
The Emanuel Miller Memorial Lecture 1990. Cooperative learning in classrooms: processes and outcomes. Bennett N. **J Child Psychol Psychiatry** 1991 May;32(4):581–94 (21 ref.)
Song learning: the interface between behaviour and neuroethology. Marler P. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29; 329(1253):109–14 (58 ref.)
Hippocampal synaptic plasticity and NMDA receptors: a role in information storage? Morris RG, et al. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29; 329(1253):187–204 (118 ref.)
Song learning in birds: the relation between perception and production. Nottebohm F, et al. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29; 329(1253):115–24 (90 ref.)
Problems of learning and memory: one or multiple memory systems? Weiskrantz L. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29;329(1253):99–108 (56 ref.)
Mechanisms of diet selection: the translation of needs into behaviour. Rogers PJ, et al. **Proc Nutr Soc** 1991 Mar; 50(1):65–70 (32 ref.)
The hippocampus and learning. Izquierdo I. **Prog Neurobiol** 1975;5(1):37–75 (285 ref.)
Neurobehavioral studies of forced swimming: the role of learning and memory in the forced swim test. West AP. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(6):863–77 (35 ref.)
Perceptual-learning systems as conservative structures: is economy an attractor? van Leeuwen C. **Psychol Res** 1990; 52(2–3):145–52 (28 ref.)
Brain function, learning styles, and cancer patient education. Villejo L, et al. **Semin Oncol Nurs** 1991 May;7(2):97–104 (50 ref.)
The Drosophila dunce locus: learning and memory genes in the fly. Davis RL, et al. **Trends Genet** 1991 Jul;7(7):224–9 (40 ref.)
[Sense organs: selective projections and control of behaviors] Burkhardt D. **Naturwissenschaften** 1991 Jan;78(1):7–15 (61 ref.) (Eng. Abstr.) **(Ger)**
[Learning in epileptic subjects] Cavazzuti GB. **Minerva Pediatr** 1991 Mar;43(3):173–8 (53 ref.) **(Ita)**

DRUG EFFECTS

Facilitation of memory by peripheral administration of substance P and naloxone using avoidance and habituation learning tasks. Tomaz C, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):447–53 (43 ref.)
The effects of delta-9-THC on mechanisms of learning and memory. Deadwyler SA, et al. **NIDA Res Monogr** 1990; 97:79–93 (60 ref.)
Attentional and motivational effects of psychoactive drugs. Kornetsky C, et al. **NIDA Res Monogr** 1990;97:177–92 (27 ref.)
Learning as a factor in ethanol tolerance. Lê AD, et al. **NIDA Res Monogr** 1990;97:193–207 (80 ref.)

PHYSIOLOGY

Learning by seeing: N-methyl-D-aspartate receptors and recognition memory. Horn G, et al. **Adv Exp Med Biol** 1990;268:187–96 (74 ref.)
Substrates for motor learning. Does the cerebellum do it all? Bloedel JR, et al. **Ann N Y Acad Sci** 1991;627:305–18 (41 ref.)
Neural and molecular bases of nonassociative and associative learning in Aplysia. Byrne JH, et al. **Ann N Y Acad Sci** 1991;627:124–49 (79 ref.)
Cerebellar synaptic plasticity. Relation to learning versus neural activity. Greenough WT, et al. **Ann N Y Acad Sci** 1991;627:231–47 (69 ref.)
The cerebellum and learning processes in animals. Lalonde R, et al. **Brain Res Brain Res Rev** 1990 Sep–Dec; 15(3):325–32 (79 ref.)
Learning and unlearning fear: a clinical and evolutionary perspective. Marks I, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):365–84 (220 ref.)
Stress, performance, and arousal: focus on CRF. Koob GF, et al. **NIDA Res Monogr** 1990;97:163–76 (37 ref.)
Enkephalin influences on behavioral and neural plasticity: mechanisms of action. Martinez JL Jr, et al. **NIDA Res Monogr** 1990;97:48–78 (130 ref.)
The chick as a model system for studying neural processes in learning and memory. Rosenzweig MR. **NIDA Res Monogr** 1990;97:1–21 (51 ref.)
Motor skill acquisition. Higgins S. **Phys Ther** 1991 Feb; 71(2):123–39 (63 ref.)
Knowledge of results and motor learning—implications for physical therapy. Winstein CJ. **Phys Ther** 1991 Feb; 71(2):140–9 (67 ref.)
The role of interactions between the cholinergic system and other neuromodulatory systems in learning and memory. Decker MW, et al. **Synapse** 1991 Feb;7(2):151–68 (235 ref.)
Cholinergic mechanisms in learning, memory and dementia: a review of recent evidence. Fibiger HC. **Trends Neurosci** 1991 Jun;14(6):220–3 (47 ref.)
Song-learning behavior: the interface with neuroethology. Marler P. **Trends Neurosci** 1991 May;14(5):199–206 (73 ref.)
Reassessing the mechanisms and origins of vocal learning in birds. Nottebohm F. **Trends Neurosci** 1991 May; 14(5):206–11 (57 ref.)
[The crucial substance in learning and memory] Yu DS, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):375–6 (3 ref.) **(Chi)**

LEARNING DISORDERS

see related
DYSLEXIA

Developing intelligible signs with learning-disabled students: a review of the literature and an assessment procedure. Grove N. **Br J Disord Commun** 1990 Dec;25(3):265–93 (74 ref.)
Perinatal care and learning disorders: a community view. Culpepper L, et al. **R I Med J** 1991 Jun;74(6):265–74 (41 ref.)
Role of the school in serving children with learning disabilities. Telzrow CF. **Semin Neurol** 1991 Mar;11(1):50–6 (33 ref.)

CHEMICALLY INDUCED

Learning and memory deficits in detoxified alcoholics. Oscar-Berman M. **NIDA Res Monogr** 1990;101:136–55 (61 ref.)

COMPLICATIONS

Comorbidity: a critical issue in attention deficit disorder. Shaywitz BA, et al. **J Child Neurol** 1991;6 Suppl:S13–22 (88 ref.)
Role of attention deficit hyperactivity disorder in learning disabilities. Golden GS. **Semin Neurol** 1991 Mar;11(1):35–41 (45 ref.)

DIAGNOSIS

Dyscalculia in children. O'Hare AE, et al. **Dev Med Child Neurol** 1991 Apr;33(4):356–61 (36 ref.)
Neuropsychological aspects of learning disabilities in epilepsy. Aldenkamp AP, et al. **Epilepsia** 1990;31 Suppl 4:S9–20 (104 ref.)
Pediatric behavioral neurology: an update on the neurologic aspects of depression, hyperactivity, and learning disabilities [published erratum appears in Neurol Clin 1991 Feb;9(1):viii] Brumback RA, et al. **Neurol Clin** 1990 Aug; 8(3):677–703 (157 ref.)
Psychometric assessment of psychiatric disorders in people with learning difficulties (mental handicap): a review of measures. Sturmey P, et al. **Psychol Med** 1991 Feb; 21(1):143–55 (100 ref.)
The role of the physician in early intervention screening for infants and toddlers. Kochanek TT. **R I Med J** 1991 Jun; 74(6):275–80 (28 ref.)
Prognosis: the adult with a learning disability. Gottesman RL. **Semin Neurol** 1991 Mar;11(1):64–74 (93 ref.)

ETIOLOGY

Learning disabilities in epilepsy: neurophysiological aspects. Binnie CD, et al. **Epilepsia** 1990;31 Suppl 4:S2–8 (44 ref.)
Children with epilepsy: the effect of seizures, syndromes, and etiological factors on cognitive functioning. Dam M. **Epilepsia** 1990;31 Suppl 4:S26–9 (43 ref.)
Preventing the risk factors in childhood learning impairment. Newman LF, et al. **R I Med J** 1991 Jun;74(6):251–62 (54 ref.)
Neurologic causes of learning disabilities. Cohen BH. **Semin Neurol** 1991 Mar;11(1):7–13 (32 ref.)

GENETICS

Genetics of learning disabilities. Pennington BF. **Semin Neurol** 1991 Mar;11(1):28–34 (53 ref.)

PATHOLOGY

Neuropathologic correlates of learning disabilities. Galaburda AM. **Semin Neurol** 1991 Mar;11(1):20–7 (52 ref.)

PHYSIOPATHOLOGY

Learning disabilities: an overview. Erenberg G. **Semin Neurol** 1991 Mar;11(1):1–6 (23 ref.)

PSYCHOLOGY

Neuropsychology of childhood arithmetic disorders. Batchelor ES. **Int J Neurosci** 1989 Jan;44(1–2):27–40 (40 ref.)
Relationship between anticonvulsant drugs and learning disabilities. Bourgeois BF. **Semin Neurol** 1991 Mar; 11(1):14–9 (38 ref.)
Educational assessment and remediation of learning disabilities. Dakin KE. **Semin Neurol** 1991 Mar;11(1):42–9 (32 ref.)

REHABILITATION

Amplification as a remediation technique for children with normal peripheral hearing. Committee on Amplification for the Hearing Impaired American Speech-Language-Hearing Association. **ASHA** 1991 Jan; 33(1 Suppl 3):22–4 (21 ref.)
Education and epilepsy: assessment and remediation. Henriksen O. **Epilepsia** 1990;31 Suppl 4:S21–5 (19 ref.)
The behavioral model and adolescents with behavior disorders: a review of selected treatment studies. Olinger E, et al. **Prog Behav Modif** 1991;27:122–56 (100 ref.)

THERAPY

Studies of the effectiveness of day treatment programs for children. Sayegh L, et al. **Can J Psychiatry** 1991 May; 36(4):246–53 (38 ref.)
Narrowing the gap between policy and practice. Keogh BK. **Except Child** 1990 Oct–Nov;57(2):186–90 (6 ref.)
Do public schools have an obligation to serve troubled children and youth? Nelson CM, et al. **Except Child** 1991 Mar–Apr;57(5):406–17 (65 ref.)
Nonstandard therapies of learning disabilities. Silver LB. **Semin Neurol** 1991 Mar;11(1):57–63 (35 ref.)

LEBER'S OPTIC ATROPHY see **OPTIC ATROPHY, HEREDITARY**

LECITHIN ACYLTRANSFERASE

METABOLISM

Human plasma lecithin:cholesterol acyltransferase (LCAT). On the role of essential carboxyl groups in catalysis. Jauhiainen M, et al. **Adv Exp Med Biol** 1991;285:71–5 (10 ref.)
Lecithin-cholesterol acyltransferase in the metabolism of high-density lipoproteins. Jonas A. **Biochim Biophys Acta** 1991 Jul 30;1084(3):205–20 (121 ref.)

PHYSIOLOGY

[Role of hepatic lipases, cholesterol ester transfer proteins and LCAT in the postprandial phase] van Tol A. **Klin Wochenschr** 1990;68 Suppl 22:23–8 (35 ref.) (Eng. Abstr.) **(Ger)**

LECITHIN CHOLESTEROL ACYLTRANSFERASE see **LECITHIN ACYLTRANSFERASE**

LECITHINASE A1 see **PHOSPHOLIPASES A**

LECITHINASE A2 see **PHOSPHOLIPASES A**

LECITHINASE C see **PHOSPHOLIPASE C**

LECITHINASE D see **PHOSPHOLIPASE D**

LECITHINASES see **PHOSPHOLIPASES**

LECITHINS see **PHOSPHATIDYLCHOLINES**

LECTIN, CASTOR BEAN see **RICIN**

LECTIN RECEPTORS see **RECEPTORS, MITOGEN**

LECTIN, RICINUS see **RICIN**

LECTINS

Legume lectins—a large family of homologous proteins. Sharon N, et al. **FASEB J** 1990 Nov;4(14):3198–208 (61 ref.)

[Tumor lectinology—status and perspectives of clinical application] Gabius HJ, et al. **Naturwissenschaften** 1990 Nov;77(11):505–14 (97 ref.) (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Hormone, lectin and toxin–toxin conjugates. Oeltmann TN, et al. **Cancer Treat Res** 1988;37:281–95 (51 ref.)

ANALYSIS

Detection and functions of mammalian lectins—with emphasis on membrane lectins. Gabius HJ. **Biochim Biophys Acta** 1991 Mar 7;1071(1):1–18 (243 ref.)

[Histochemical identification of endogenous lectins using labelled neoglycoproteins in human head-and-neck squamous cell carcinoma] Steuer MK, et al. **Laryngorhinootologie** 1991 May;70(5):243–9 (33 ref.) (Eng. Abstr.) **(Ger)**

CLASSIFICATION

Lectin cell adhesion molecules (LEC–CAMs): a new family of cell adhesion proteins involved with inflammation. Lasky LA. **J Cell Biochem** 1991 Feb;45(2):139–46 (41 ref.)

DIAGNOSTIC USE

Carbohydrates of the vestibular end organs. An ultrastructural study using gold-labeled lectins. Takumida M, et al. **ORL J Otorhinolaryngol Relat Spec** 1991; 53(2):86–90 (14 ref.)

[The use of plant and animal lectins in microbiological research] Antoniuk VA. **Mikrobiol Zh** 1990 Jul–Aug; 52(4):105–12 (66 ref.) **(Rus)**

IMMUNOLOGY

Dual functions of insect immunity proteins in defence and development. Natori S. **Res Immunol** 1990 Nov–Dec; 141(9):938–9 (0 ref.)

METABOLISM

New lectins and other putative adhesins in Aeromonas hydrophila. Ascencio F, et al. **Experientia** 1991 May 15; 47(5):414–6 (13 ref.)

Were lectins primitive Fc receptors? Hajela K. **Immunol Lett** 1991 Mar;27(3):183–90 (80 ref.)

On the carbohydrate binding specificity of lectins: the game is never over. Goldstein IJ. **Indian J Biochem Biophys** 1990 Dec;27(6):368–9 (15 ref.)

Lectin–carbohydrate interactions in immunoregulation. Kéry V. **Int J Biochem** 1991;23(7–8):631–40 (48 ref.)

Lectins: mediators of adhesion for bacteria in infectious diseases and for tumor cells in metastasis. Beuth J, et al. **Int J Med Microbiol** 1990 Dec;274(3):350–8 (47 ref.)

PHARMACOLOGY

[The extracellular lectins of bacteria] Kovalenko EA. **Mikrobiol Zh** 1990 May–Jun;52(3):92–9 (53 ref.) **(Rus)**

PHYSIOLOGY

On the possible role of endogenous lectins in early animal development. Zalik SE. **Anat Embryol (Berl)** 1991; 183(6):521–36 (216 ref.)

LECTINS, KIDNEY BEAN see **PHYTOHEMAGGLUTININS**

LEECHES

EMBRYOLOGY

Leech segmentation: cell lineage and the formation of complex body patterns. Shankland M. **Dev Biol** 1991 Apr; 144(2):221–31 (75 ref.)

PHYSIOLOGY

A veterinary approach to leeches [see comments] Cooper JE. **Vet Rec** 1990 Sep 1;127(9):226–8 (38 ref.) Comment in: Vet Rec 1990 Sep 8;127(10):268.

LEFT VENTRICULAR FUNCTION see **VENTRICULAR FUNCTION, LEFT**

LEG

Endocrine therapy for desmoid tumors. Wilcken N, et al. **Cancer** 1991 Sep 15;68(6):1384–8 (30 ref.)

Cytogenetic analysis of a congenital fibrosarcoma. Adam LR, et al. **Cancer Genet Cytogenet** 1991 Mar;52(1):37–41 (21 ref.)

Treatment of nocturnal leg cramps and restless leg syndrome. Walton T, et al. **Clin Pharm** 1991 Jun;10(6):427–8 (17 ref.)

Paraneoplastic vasculitic neuropathy: a treatable neuropathy. Oh SJ, et al. **Muscle Nerve** 1991 Feb;14(2):152–6 (6 ref.)

[Canyon-varices. Consequence and cause of sclerous cellulitis and their treatment] Tessari L. **Phlebologie** 1990 Jul–Oct;43(3):501–6 (23 ref.) (Eng. Abstr.) **(Fre)**

[Torsional changes in the lower limbs in childhood] Guzzanti V, et al. **Arch Putti Chir Organi Mov** 1990;38(1):69–88 (29 ref.) (Eng. Abstr.) **(Ita)**

ABNORMALITIES

Anatomy and management of the leg and foot in Apert syndrome. Grayhack JJ, et al. **Clin Plast Surg** 1991 Apr; 18(2):399–405 (9 ref.)

Consistent arterial abnormalities associated with a variety of congenital malformations of the human lower limb. Levinsohn EM, et al. **Invest Radiol** 1991 Apr;26(4):364–73 (30 ref.)

Outgrowing trends in the lower extremities of children. Schuster RO, et al. **J Am Podiatr Med Assoc** 1991 Mar; 81(3):131–5 (5 ref.)

[Pygomelus. Apropos of 2 cases and a review of the literature] Bastiani-Griffet F, et al. **Chir Pediatr** 1990; 31(6):333–6 (20 ref.) (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

Thrombolytic therapy. Quiñones-Baldrich WJ, et al. **Adv Surg** 1991;24:103–37 (89 ref.)

Physiological considerations in imaging of lower extremity venous thrombosis. Chaudhuri TK, et al. **Am J Physiol Imaging** 1991;6(2):90–104 (88 ref.)

Lower extremity venous hemodynamics. Belcaro G, et al. **Ann Vasc Surg** 1991 May;5(3):305–10 (25 ref.)

Lower extremity arterial disease in systemic lupus erythematosus. Wheatley MJ, et al. **Arch Surg** 1991 Jan; 126(1):109–10 (11 ref.)

Surgical management of acute lower limb ischaemia. Beard JD, et al. **Br J Hosp Med** 1991 Jun;45(6):355–9 (18 ref.)

Radiological management of acute lower limb ischaemia. Gaines PA, et al. **Br J Hosp Med** 1991 Jun;45(6):343–4, 346–53 (30 ref.)

Hot-tip laser. Results and complications. Greenfield AJ. **Circulation** 1991 Feb;83(2 Suppl):I94–6 (15 ref.)

The natural history of peripheral vascular disease. Implications for its management. Hertzer NR. **Circulation** 1991 Feb;83(2 Suppl):I12–9 (22 ref.)

Impact of nonoperative therapy on the clinical management of peripheral arterial disease. Veith FJ, et al. **Circulation** 1991 Feb;83(2 Suppl):I137–42 (26 ref.)

Microvascular reconstruction of the lower extremity in the elderly. Goldberg JA, et al. **Clin Plast Surg** 1991 Jul; 18(3):459–65 (49 ref.)

Blood supply of the lower extremity. Sauer PF. **Clin Plast Surg** 1991 Jul;18(3):553–7 (4 ref.)

Chronic lower-extremity ischemia. Part I. Porter JM, et al. **Curr Probl Surg** 1991 Jan;28(1):1–92 (220 ref.)

Chronic lower-extremity ischemia. Part II. Porter JM, et al. **Curr Probl Surg** 1991 Feb;28(2):93–179 (541 ref.)

Popliteal venous aneurysms with or without pulmonary embolism. Helsted M, et al. **Eur J Vasc Surg** 1991 Jun; 5(3):333–42 (18 ref.)

Non-surgical treatment of critical limb ischaemia. Norgren L. **Eur J Vasc Surg** 1990 Oct;4(5):449–54 (59 ref.)

Current techniques for infrainguinal arterial reconstruction. Whittemore A. **Jpn J Surg** 1990 Nov;20(6):627–34 (77 ref.)

Outcome in vascular surgery. Takolander R. **Qual Assur Health Care** 1990;2(3–4):279–95 (173 ref.)

Lower-extremity arteriography: current approach and techniques. Darcy MD. **Radiology** 1991 Mar;178(3):615–21 (44 ref.)

[Infrainguinal bypass surgery of occlusive arteriosclerosis of the lower extremities using polytetrafluoroethylene (PTFE) vascular prostheses] Dahl BT, et al. **Ugeskr Laeger** 1991 Jan 21;153(4):260–3 (30 ref.) (Eng. Abstr.) **(Dan)**

[Prosthetic bypasses: can we improve the results?] Taylor RS. **J Mal Vasc** 1991;16(1):18–22 (6 ref.) (Eng. Abstr.) **(Fre)**

[Stasis cellulitis] Coget JM. **Phlebologie** 1990 Jul–Oct; 43(3):491–9 (7 ref.) **(Fre)**

[Necrotic atheromatous angiodermatitis of the legs] Zukervar P, et al. **Phlebologie** 1990 Jul–Oct;43(3):469–72; discussion 472–5 (7 ref.) **(Fre)**

[Deep venous thrombosis of the lower limbs: the role of non-invasive diagnostic methods] Zufferey P. **Rev Med Suisse Romande** 1991 Mar;111(3):235–9 (16 ref.) **(Fre)**

[Nonsurgical recanalization of tibial arteries. Balloon dilatation, local fibrinolysis and aspiration embolectomy] Teifke A, et al. **Fortschr Med** 1991 Mar 30;109(9):208–9 (9 ref.) (Eng. Abstr.) **(Ger)**

[Current status of amputation surgery] Becker HM, et al. **Zentralbl Chir** 1990;115(14):857–63 (20 ref.) (Eng. Abstr.) **(Ger)**

[When is there an indication for primary femoral amputation in patients with vascular disease?] Hepp W, et al. **Zentralbl Chir** 1990;115(14):865–71 (13 ref.) (Eng. Abstr.) **(Ger)**

[Clinico-therapeutic considerations on arterial embolism of the legs] Ippoliti A, et al. **G Chir** 1988 Jun;9(6):438–42 (47 ref.) **(Ita)**

[Economic amputations of the lower limbs due to ischemia. II.] Giaccone M, et al. **Minerva Chir** 1991 Feb; 46(3–4):135–41 (11 ref.) (Eng. Abstr.) **(Ita)**

[Economic amputations of the lower limbs due to ischemia. I.] Ricci E, et al. **Minerva Chir** 1991 Feb;46(3–4):129–33 (36 ref.) (Eng. Abstr.) **(Ita)**

[Usefulness of echocardiography in the diagnosis of the causes of arterial embolism] Drążkiewicz T, et al. **Pol Tyg Lek** 1990 Nov 5–12;45(45–46):934–5 (13 ref.) **(Pol)**

[Use of hemosorption in the complex treatment of patients with endarteritis obliterans] Genyk SN, et al. **Khirurgiia (Mosk)** 1990 Dec;(12):159–63 (50 ref.) **(Rus)**

[Suppurative complications in reconstructive surgery of the aorta and arteries of the lower extremities] Genyk SN, et al. **Khirurgiia (Mosk)** 1990 Nov;(11):147–50 (51 ref.) **(Rus)**

[Ultrasonic diagnosis of arterial occlusive diseases of the pelvis and extremities] Zhane AK. **Khirurgiia (Mosk)** 1990 Dec;(12):151–4 (47 ref.) **(Rus)**

[Combined forms of arteriosclerotic lesions of the coronary and major arteries: characteristics of their diagnosis and treatment] Karpov RS. **Klin Med (Mosk)** 1991 Jan; 69(1):8–12 (48 ref.) **(Rus)**

[Clinical and experimental studies of the effect of low-intensity laser irradiation on the blood and blood vessels] Radionov BV, et al. **Sov Med** 1991;(1):27–9 (30 ref.) **(Rus)**

[Autovenous shunting of arteries of the lower extremities without separation of the vein from its bed (in situ)] Balatskiĭ OA. **Vestn Khir** 1990 Oct;145(10):137–40 (40 ref.) **(Rus)**

[Thrombolytic therapy of thromboembolic occlusive diseases of major arteries of the lower extremities] Rodionov SV, et al. **Vestn Khir** 1990 May;144(5):129–33 (40 ref.) **(Rus)**

INNERVATION

[Atactic hemiplegia syndrome] Babenkov NV, et al. **Klin Med (Mosk)** 1991 Jan;69(1):22–6 (34 ref.) **(Rus)**

[Diseases of the peripheral nervous system during pregnancy, labor and puerperium (review of the literature)] Burshinov AO, et al. **Zh Nevropatol Psikhiatr** 1991;91(4):109–13 (136 ref.) **(Rus)**

PHYSIOLOGY

Functional dispositions of the spinal stepping generators and their half-centres. Eke-Okoro ST. **Electromyogr Clin Neurophysiol** 1991 Mar;31(2):81–3 (10 ref.)

PHYSIOPATHOLOGY

Lower extremity weakness as the initial manifestation of lung cancer [published erratum appears in Arch Phys Med Rehabil 1991 Jan;72(1):61] Rook JL, et al. **Arch Phys Med Rehabil** 1990 Nov;71(12):995–9 (22 ref.)

SURGERY

Selection of level for lower limb amputation in patients with severe peripheral vascular disease. Clyne CA. **Ann R Coll Surg Engl** 1991 May;73(3):148–51 (27 ref.)

Immediate reconstruction of the lower extremity—an update. Arnež ZM. **Clin Plast Surg** 1991 Jul;18(3):449–57 (16 ref.)

Soft-tissue expansion in lower extremity reconstruction. Borges Filho PT, et al. **Clin Plast Surg** 1991 Jul;18(3):593–9 (17 ref.)

Microvascular reconstruction of the lower extremity in the elderly. Goldberg JA, et al. **Clin Plast Surg** 1991 Jul; 18(3):459–65 (49 ref.)

Muscle flap coverage for the lower extremity. Guzman-Stein G, et al. **Clin Plast Surg** 1991 Jul;18(3):545–52 (19 ref.)

Calf augmentation and correction of contour deformities. Howard PS. **Clin Plast Surg** 1991 Jul;18(3):601–13 (11 ref.)

[Surgery of the lower limbs in Duchenne's muscular dystrophy] Bonnet I, et al. **Rev Chir Orthop** 1991; 77(3):189–97 (21 ref.) (Eng. Abstr.) **(Fre)**

[Leg lengthening—historical review and current techniques] Tjernström B, et al. **Lakartidningen** 1990 Aug 29;

87(35):2663–7 (15 ref.) (Eng. Abstr.) **(Swe)**

ULTRASONOGRAPHY

Techniques for color flow sonography of the lower extremity. Knighton RA, et al. **Radiographics** 1990 Sep; 10(5):775–86 (6 ref.)

LEG DERMATOSES

ETHNOLOGY

Regional dermatoses in the African black. III. Pretibial lesions. Olumide YM, et al. **Int J Dermatol** 1991 Jun; 30(6):425–31 (21 ref.)

ETIOLOGY

[Stasis cellulitis] Coget JM. **Phlebologie** 1990 Jul–Oct; 43(3):491–9 (7 ref.) **(Fre)**

PATHOLOGY

Follicular accentuation of leukocytoclastic vasculitis in an HIV-seropositive man. Report of a case and review of the literature. Weimer CE Jr, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 2):898–902 (37 ref.)

LEG INJURIES

COMPLICATIONS

Update on chronic osteomyelitis. Anthony JP, et al. **Clin Plast Surg** 1991 Jul;18(3):515–23 (72 ref.)

Compartment syndrome as a presentation of non-Hodgkin's lymphoma. Southworth SR, et al. **J Orthop Trauma** 1990; 4(4):470–3 (22 ref.)

PATHOLOGY

Injuries of the lower extremity, painful lesions, compartment syndrome, and soft tissue calcification. Sheon RP. **Curr Opin Rheumatol** 1991 Apr;3(2):203–6 (25 ref.)

SURGERY

Immediate reconstruction of the lower extremity—an update. Arnež ZM. **Clin Plast Surg** 1991 Jul;18(3):449–57 (16 ref.)

Fasciocutaneous flaps in reconstruction of the lower extremity. Fix RJ, et al. **Clin Plast Surg** 1991 Jul; 18(3):571–82 (37 ref.)

Prevention of complications and correction of postoperative problems in microsurgery of the lower extremity. Grotting JC. **Clin Plast Surg** 1991 Jul;18(3):485–9 (5 ref.)

Management of extremity injuries with external fixator or Ilizarov devices. Cooperative effort between orthopedic and plastic surgeons. Vasconez HC, et al. **Clin Plast Surg** 1991 Jul;18(3):505–13 (32 ref.)

Judgment and approach for management of severe lower extremity injuries. Walton RL, et al. **Clin Plast Surg** 1991 Jul;18(3):525–43 (110 ref.)

Skin loss of the lower limb. Murray DS. **Injury** 1990 Sep; 21(5):309–10 (5 ref.)

Major limb replantation in children. Daigle JP, et al. **Microsurgery** 1991;12(3):221–31 (58 ref.)

THERAPY

Quadriceps contusions. West Point update. Ryan JB, et al. **Am J Sports Med** 1991 May–Jun;19(3):299–304 (22 ref.)

LEG LENGTH INEQUALITY

see related
BONE LENGTHENING

SURGERY

[Pelvic tilt and leg length discrepancy] Grill F, et al. **Orthopade** 1990 Sep;19(5):244–62 (70 ref.) (Eng. Abstr.) **(Ger)**

[Bone lengthening in congenital malformations of the lower limbs] Conejero Casares JA, et al. **An Esp Pediatr** 1991 Apr;34(4):293–8 (42 ref.) (Eng. Abstr.) **(Spa)**

LEG ULCER

PATHOLOGY

Diagnosis of cutaneous cytomegalovirus infection: a review and report of a case. Toome BK, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 2):860–7 (53 ref.)

PHYSIOPATHOLOGY

Disease mechanisms in venous ulceration. Sarin S, et al. **Br J Hosp Med** 1991 May;45(5):303–5 (20 ref.)

SURGERY

[Value of cultured keratinocytes in the treatment of leg ulcers] Cony M, et al. **Ann Dermatol Venereol** 1991; 118(2):139–43 (22 ref.) **(Fre)**

LEGAL MEDICINE see **FORENSIC MEDICINE**

LEGG-PERTHES DISEASE

Legg-Calvé-Perthes disease. Wenger DR, et al. **J Bone Joint Surg [Am]** 1991 Jun;73(5):778–88 (98 ref.)

REHABILITATION

[Splint treatment of Perthes disease] Krauspe R. **Z Orthop** 1990 Jul–Aug;128(4):411–4 (16 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Recurrent Legg-Calvé-Perthes disease. Case report and review of the literature. Martinez AG, et al. **J Bone Joint Surg [Am]** 1991 Aug;73(7):1081–5 (33 ref.)

[Femur head necrosis in childhood] Jani L, et al. **Orthopade** 1990 Aug;19(4):191–9 (45 ref.) (Eng. Abstr.) **(Ger)**

LEGHEMOGLOBIN

GENETICS

Regulation of plant genes specifically induced in nitrogen-fixing nodules: role of cis-acting elements and trans-acting factors in leghemoglobin gene expression. de Bruijn FJ, et al. **Plant Mol Biol** 1989 Sep;13(3):319–25 (25 ref.)

LEGIONELLA

Phagocytosis of Legionella pneumophila. Halablab MA, et al. **J Med Microbiol** 1990 Oct;33(2):75–83 (87 ref.)

[Advances in the disinfection of water distribution systems for Legionella] Cheng JP, et al. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1990 Oct; 11(5):309–12 (23 ref.) **(Chi)**

CLASSIFICATION

Laboratory diagnosis of Legionella infections. Kähler R. **Z Erkr Atmungsorgane** 1991;176(2–3):148–54 (6 ref.)

GROWTH & DEVELOPMENT

Distribution and persistence of Legionella in water systems. Colbourne JS, et al. **Microbiol Sci** 1985;2(2):40–3 (33 ref.)

Survival and growth of Legionella species in the environment. Lee JV, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:121S–129S (54 ref.)

PATHOGENICITY

Progress in the pathogenesis of Legionella pneumophila. Engleberg NC, et al. **Microb Pathog** 1991 Jan;10(1):11–3 (22 ref.)

LEGIONELLOSIS

[Legionellosis] Melino C, et al. **Clin Ter** 1990 Sep 30; 134(6):393–404 (60 ref.) (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Community-acquired pneumonia caused by Legionella dumoffii in a patient with hairy cell leukemia. Fang GD, et al. **Infection** 1990 Nov–Dec;18(6):383–5 (24 ref.)

DIAGNOSIS

Laboratory diagnosis of Legionella infections. Kähler R. **Z Erkr Atmungsorgane** 1991;176(2–3):148–54 (6 ref.)

DRUG THERAPY

[Treatment of legionellosis with ofloxacin in kidney transplanted patients. Lack of interaction with cyclosporin A] Wynckel A, et al. **Presse Med** 1991 Feb 23;20(7):291–3 (11 ref.) (Eng. Abstr.) **(Fre)**

EPIDEMIOLOGY

Legionella in hospitals: a review. Hart CA, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:481–9 (43 ref.)

MICROBIOLOGY

Survival and growth of Legionella species in the environment. Lee JV, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:121S–129S (54 ref.)

LEGIONNAIRES' DISEASE

Legionella infection. Nguyen ML, et al. **Clin Chest Med** 1991 Jun;12(2):257–68 (121 ref.)

Legionnaires' disease. Fairbank JT, et al. **J Thorac Imaging** 1991 Jul;6(3):6–13 (32 ref.)

[Legionnaires' disease—12 years later] Mićić R. **Srp Arh Celok Lek** 1989 Nov–Dec;117(11–12):811–21 (38 ref.) (Eng. Abstr.) **(Scc)**

[Childhood legionellosis] Ferrer A, et al. **Enferm Infecc Microbiol Clin** 1990 May;8(5):278–81 (17 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Laboratory diagnosis of Legionella infections. Kähler R. **Z Erkr Atmungsorgane** 1991;176(2–3):148–54 (6 ref.)

EPIDEMIOLOGY

Epidemiological characteristics of Legionella infection in South Australia: implications for disease control. Cameron S, et al. **Aust N Z J Med** 1991 Feb;21(1):65–70 (32 ref.)

Legionella in hospitals: a review. Hart CA, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:481–9 (43 ref.)

TRANSMISSION

[Legionella—new pathogens in the water] Seidel K. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:51–8 (18 ref.) **(Ger)**

LEGISLATION

Legal and ethical issues relating to AIDS. Bayer R, et al. **Bull Pan Am Health Organ** 1990;24(4):454–68 (28 ref.)

LEGISLATION, DENTAL

Comparative policies of two national dental associations: Norway and the United States. Heløe LA. **J Public Health Policy** 1991 Summer;12(2):209–28 (32 ref.)

LEGISLATION, DRUG

see related
DRUG AND NARCOTIC CONTROL

Chloramphenicol 1. Hazards of use and the current regulatory environment. Page SW. **Aust Vet J** 1991 Jan; 68(1):1–2 (29 ref.)

Overview on bound residue issue—regulatory aspects. Guest GB, et al. **Drug Metab Rev** 1990;22(6–8):595–9 (2 ref.)

New drug legislation: a response from the pharmaceutical industry. Freiman PE. **Health Aff (Millwood)** 1990 Fall; 9(3):110–3 (8 ref.)

A prescription for high drug prices [see comments] Pryor D. **Health Aff (Millwood)** 1990 Fall;9(3):101–9 (21 ref.) Comment in: Health Aff (Millwood) 1990 Winter;9(4):222.

Drug regulation—the Canadian approach. Somers E, et al. **Regul Toxicol Pharmacol** 1990 Dec;12(3 Pt 1):214–23 (10 ref.)

Toxicological-hygienic requirements for study, registration, and regulations of pesticides in the USSR. Kagan YuS. **Rev Environ Contam Toxicol** 1991;117:95–126 (82 ref.)

TRENDS

[Pharmacologic surveillance and safety of drugs: reflexions for legislative and, especially, cultural action] Laporte JR. **Rev Med Univ Navarra** 1988 Jan–Mar;32(1):31–3 (0 ref.) **(Spa)**

LEGISLATION, FOOD

Rationales for the establishment of limits and regulations for mycotoxins. Stoloff L, et al. **Food Addit Contam** 1991 Mar–Apr;8(2):213–21 (20 ref.)

Role of FDA in establishing tolerable levels for dioxin and PCBs in aquatic organisms. Boyer IJ, et al. **J Toxicol Environ Health** 1991 May;33(1):93–101 (21 ref.)

TRENDS

[Feeding of young children in the European Economic Community and perspective in 1993] Rey J. **Arch Fr Pediatr** 1991 May;48(5):363–7 (24 ref.) **(Fre)**

LEGISLATION, MEDICAL

Ethics and the law: the law and assisted human conception. Brahams D. **Br Med Bull** 1990 Jul;46(3):850–9 (15 ref.)

Kidney stones and lithotripters: critical analysis of the introduction of extracorporeal shock wave lithotripsy into Canada [see comments] Wiser LC, et al. **Can Med Assoc J** 1990 Dec 15;143(12):1299–303 (51 ref.) Comment in: Can Med Assoc J 1991 Mar 15;144(6):632, 637. Comment in: Can Med Assoc J 1991 Mar 15;144(6):637–8.

Ethical and moral issues and government legislation. Hightower MD, et al. **Curr Opin Obstet Gynecol** 1989 Oct; 1(1):80–6 (8 ref.)

Regulatory requirements for clinical evaluation of antimicrobial agents. Christ W. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):537–41 (5 ref.)

Ethical and legal considerations in the care of the infant with end-stage renal disease whose parents elect conservative therapy. An American perspective. Cohen C. **Pediatr Nephrol** 1987 Apr;1(2):166–71 (31 ref.)

[Informed consent. Historical background and current problems] Jensen AB. **Ugeskr Laeger** 1990 Nov 26; 152(48):3591–3 (30 ref.) (Eng. Abstr.) **(Dan)**

TRENDS

Legal issues in bone marrow transplantation. Holder AR. **Yale J Biol Med** 1990 Sep–Oct;63(5):521–5 (20 ref.)

LEGUMES

Legume lectins—a large family of homologous proteins. Sharon N, et al. **FASEB J** 1990 Nov;4(14):3198–208 (61 ref.)

[Bean grain quality] Bressani R. **Arch Latinoam Nutr** 1989

Sep;39(3):419–42 (62 ref.) (Eng. Abstr.) **(Spa)**
[Characterization of the nutritional potential of tepari bean (Phaseolus acutifolius) grown in Mexico] González de Mejía E, et al. **Arch Latinoam Nutr** 1988 Dec;38(4):907–24 (47 ref.) (Eng. Abstr.) **(Spa)**

ANALYSIS

Composition, structure, functionality, and chemical modification of legume starches: a review. Hoover R, et al. **Can J Physiol Pharmacol** 1991 Jan;69(1):79–92 (130 ref.)

LEIOMYOMA

Primary leiomyoma of the liver. Herzberg AJ, et al. **Am J Gastroenterol** 1990 Dec;85(12):1642–5 (12 ref.)

COMPLICATIONS

Small bowel obstruction associated with a leiomyomatous uterus. A case report and review of the literature. Fontana R, et al. **J Clin Gastroenterol** 1990 Dec;12(6):690–2 (9 ref.)

DIAGNOSIS

Pseudo-Meigs' syndrome secondary to broad ligament leiomyoma: a case report. Buckshee K, et al. **Asia Oceania J Obstet Gynaecol** 1990 Sep;16(3):201–5 (15 ref.)
Observations on intraocular leiomyomas. Shields JA, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1990;42:945–50 (25 ref.)
[Leiomyoma and leiomyosarcoma of the gastrointestinal system: experience with 5 patients and literature review] Chapelle T, et al. **Acta Chir Belg** 1990 Sep–Oct;90(5):213–7 (26 ref.) (Eng. Abstr.) **(Dut)**
[Leiomyoma of the nipple (a case report and review of the literature)] Laterza E, et al. **Chir Ital** 1990 Jun–Aug;42(3–4):138–42 (12 ref.) (Eng. Abstr.) **(Ita)**
[Benign neoplasms of the small intestine] Pandolfi U, et al. **Chir Ital** 1990 Jun–Aug;42(3–4):119–29 (18 ref.) (Eng. Abstr.) **(Ita)**
[Retrovesical leiomyoma] Munuera F, et al. **Rev Quir Esp** 1988 Mar–Apr;15(2):107–8 (9 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Hormonal therapy before surgical treatment for uterine leiomyomas. Moghissi KS. **Surg Gynecol Obstet** 1991 Jun; 172(6):497–502 (30 ref.)

EPIDEMIOLOGY

Leiomyoma of the ovary. Vierhout ME, et al. **Acta Obstet Gynecol Scand** 1990;69(5):445–7 (14 ref.)

ETIOLOGY

Two unusual tumours of the gastrointestinal tract in a patient with tuberous sclerosis. Byard RW, et al. **J Paediatr Child Health** 1991 Apr;27(2):116–9 (20 ref.)

GENETICS

Nonrandom cytogenetic changes in leiomyomas of the female genitourinary tract. A report of 35 cases. Kiechle-Schwarz M, et al. **Cancer Genet Cytogenet** 1991 May;53(1):125–36 (29 ref.)
Uterine leiomyoma cytogenetics. Nibert M, et al. **Genes Chromosom Cancer** 1990 May;2(1):3–13 (83 ref.)

PATHOLOGY

Vulvar leiomyomatosis in a patient with esophagogastric leiomyomatosis: review of the syndrome. Faber K, et al. **Gynecol Oncol** 1991 Apr;41(1):92–4 (10 ref.)
Lipoleiomyoma of the ovary: report of a case and review of the English literature. Mira JL. **Int J Gynecol Pathol** 1991;10(2):198–202 (17 ref.)
Laryngeal leiomyoma. Kaya S, et al. **Int J Pediatr Otorhinolaryngol** 1990 Aug;19(3):285–8 (8 ref.)
Vascular leiomyoma of the nasal cavity: report of a case and review of literature. Ragbeer MS, et al. **J Oral Maxillofac Surg** 1990 Oct;48(10):1113–7 (12 ref.)
Gastric leiomyoblastoma in childhood. Hamazoe R, et al. **J Pediatr Surg** 1991 Feb;26(2):225–7 (18 ref.)
[Adenomatoid tumor of the uterus: report of 3 cases] Tiszlavicz L. **Morphol Igazsagugyi Orv Sz** 1990 Jul; 30(3):196–201 (35 ref.) (Eng. Abstr.) **(Hun)**
[Leiomyoblastoma of the stomach. A clinical contribution and review of the literature] Di Cataldo A, et al. **G Chir** 1988 Mar–Apr;9(3–4):225–8 (14 ref.) (Eng. Abstr.) **(Ita)**
[Intrascrotal leiomyoma: report of a case] Naka Y, et al. **Hinyokika Kiyo** 1991 May;37(5):553–5 (15 ref.) (Eng. Abstr.) **(Jpn)**
[A case of multiple renal leiomyoma located at renal sinus and hilus] Yoshida M, et al. **Hinyokika Kiyo** 1990 Aug; 36(8):937–40 (11 ref.) (Eng. Abstr.) **(Jpn)**
[Leiomyoblastoma of the jejunum, report of a case] Iwata F, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Sep; 87(9):1883–7 (15 ref.) **(Jpn)**
[A case of gastric cancer (IIb) on the submucosal tumor (leiomyoma) of the stomach] Soejima H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Nov; 87(11):2526–30 (15 ref.) **(Jpn)**
[A case report of primary duodenal leiomyoblastoma] Yasutake K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jun;88(6):1364–8 (21 ref.) **(Jpn)**

RADIOGRAPHY

CT of infantile myofibromatosis of the orbit with intracranial involvement: a case report. Stautz CC. **AJNR** 1991 Jan–Feb;12(1):184–5 (5 ref.)

SURGERY

[Leiomyoma of the esophagus] Della Casa U, et al. **G Chir** 1988 May;9(5):314–8 (27 ref.) (Eng. Abstr.) **(Ita)**
[The surgical treatment of esophageal leiomyomas: a report of 9 cases and a review of the literature] Ibáñez Aguirre J, et al. **Rev Esp Enferm Dig** 1991 Mar;79(3):173–5 (15 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

[Myoma in pregnancy—a case report and a literature review] Ammann M, et al. **Schweiz Rundsch Med Prax** 1990 Oct 2;79(40):1172–4 (10 ref.) (Eng. Abstr.) **(Ger)**

LEIOMYOSARCOMA

Leiomyosarcoma of the trachea. Case report. Thedinger BA, et al. **Ann Otol Rhinol Laryngol** 1991 Apr;100(4 Pt 1):337–40 (11 ref.)
Leiomyosarcoma of the left atrium: case report and review of the literature. Fyfe AI, et al. **Can J Cardiol** 1991 May; 7(4):193–6 (14 ref.)
Perforated leiomyosarcoma of Meckel's diverticulum. Case report. De Mulder RM, et al. **Eur J Surg** 1991 Jan; 157(1):69–70 (10 ref.)
Primary leiomyosarcoma of the gallbladder. Case report and review of the literature. Fotiadis C, et al. **HPB Surg** 1990 Jul;2(3):211–4 (6 ref.)
[Leiomyosarcoma of the rectum] De Cesare A, et al. **G Chir** 1989 Jan–Feb;10(1–2):41–5 (19 ref.) (Eng. Abstr.) **(Ita)**

CHEMISTRY

[Leiomyosarcoma of the larynx. Histological, immunohistochemical and ultrastructural study of a case with review of the literature] Bertheau P, et al. **Ann Pathol** 1991;11(2):122–7 (18 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

[Leiomyosarcoma of the Meckel's diverticulum and multiple diverticulosis of the ileum. Apropos of a case] Amar A, et al. **J Chir (Paris)** 1990 Dec;127(12):598–600 (22 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Renal vein leiomyosarcoma. Pelton JJ, et al. **J Surg Oncol** 1990 Oct;45(2):131–3 (15 ref.)
[Leiomyoma and leiomyosarcoma of the gastrointestinal system: experience with 5 patients and literature review] Chapelle T, et al. **Acta Chir Belg** 1990 Sep–Oct;90(5):213–7 (26 ref.) (Eng. Abstr.) **(Dut)**
[Leiomyosarcoma of the scrotum] Chevalier C, et al. **Acta Urol Belg** 1990;58(2):149–52 (10 ref.) (Eng. Abstr.) **(Fre)**
[A case of leiomyosarcoma of the small intestine. Clinical and anatomopathologic considerations] Fornaro R, et al. **Minerva Chir** 1990 Sep 15;45(17):1107–15 (33 ref.) (Eng. Abstr.) **(Ita)**
[Primary hepatic leiomyosarcoma: the investigation of domestic and foreign 34 cases] Ishii H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 May;88(5):1256–63 (38 ref.) **(Jpn)**

EPIDEMIOLOGY

Leiomyosarcoma of renal vein. Grignon DJ, et al. **Urology** 1991 Sep;38(3):255–8 (17 ref.)

PATHOLOGY

Leiomyosarcoma arising in atypical fibromuscular hyperplasia (phyllodes tumor) of the prostate with distant metastasis. Yum M, et al. **Cancer** 1991 Aug 15;68(4):910–5 (17 ref.)
Leiomyosarcoma of the buttock. Landry MM, et al. **J Am Acad Dermatol** 1991 Apr;24(4):618–20 (16 ref.)
[Leiomyosarcoma of the larynx. Histological, immunohistochemical and ultrastructural study of a case with review of the literature] Bertheau P, et al. **Ann Pathol** 1991;11(2):122–7 (18 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Primary leiomyosarcoma of the pancreas] Murata K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1990 Oct 25; 50(10):1215–23 (56 ref.) (Eng. Abstr.) **(Jpn)**

SECONDARY

Leiomyosarcoma of the orbit. A case report and review of the literature. Kaltreider SA, et al. **Ophthal Plast Reconstr Surg** 1987;3(1):35–41 (18 ref.)

SURGERY

[Leiomyosarcoma of the inferior vena cava: literature review and surgical treatment. Apropos of 2 retrohepatic localizations] Legrand M, et al. **Acta Chir Belg** 1991 Jan–Feb;91(1):11–6 (34 ref.) (Eng. Abstr.) **(Fre)**
[Leiomyosarcoma of the inferior vena cava. Review of the literature apropos of a case] Bendayan P, et al. **Ann Chir** 1991;45(2):149–54 (42 ref.) (Eng. Abstr.) **(Fre)**
[Leiomyosarcoma of the vena cava. Case report and review of the literature] Sturm J, et al. **Langenbecks Arch Chir** 1991;376(3):182–8 (25 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Primary peritoneal sarcoma: three case reports and review of the literature. Allan SM. **Br J Clin Pract** 1990 Dec; 44(12):753 (5 ref.)
Leiomyosarcoma of the broad ligament—report of two cases. Lee JF, et al. **Chung Hua I Hsueh Tsa Chih** 1991 Jul; 48(1):59–65 (20 ref.)
[Leiomyosarcoma of the spermatic cord: a case report] Takaha N, et al. **Hinyokika Kiyo** 1991 Feb;37(2):191–3 (10 ref.) (Eng. Abstr.) **(Jpn)**

LEISHMANIA

CLASSIFICATION

Taxonomy of Leishmania. Use of isoenzymes. Suggestions for a new classification. Rioux JA, et al. **Ann Parasitol Hum Comp** 1990;65(3):111–25 (60 ref.)
Leishmaniasis and its etiologic agents in the New World: an overview. Grimaldi G Jr, et al. **Prog Clin Parasitol** 1991; 2:73–118 (250 ref.)

GENETICS

mRNA processing in the Trypanosomatidae. Perry K, et al. **Experientia** 1991 Feb 15;47(2):118–28 (71 ref.)

GROWTH & DEVELOPMENT

The life-cycle of Leishmania in the sandfly with special reference to the form infective to the vertebrate host. Killick-Kendrick R. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:37–42 (58 ref.)

IMMUNOLOGY

The interface between the Leishmania-infected macrophage and the host's immune system. Russell DG, et al. **Behring Inst Mitt** 1991 Feb;(88):68–79 (45 ref.)
Cytokine-induced synthesis of nitrogen oxides in macrophages: a protective host response to Leishmania and other intracellular pathogens. Green SJ, et al. **J Leukoc Biol** 1991 Jul;50(1):93–103 (116 ref.)
Development of vaccines against leishmaniasis. Modabber F. **Scand J Infect Dis Suppl** 1990;76:72–8 (36 ref.)

PATHOGENICITY

Molecular determinants of Leishmania virulence. Chang KP, et al. **Annu Rev Microbiol** 1990;44:499–529 (180 ref.)

LEISHMANIA CHAGASI see **LEISHMANIA DONOVANI**

LEISHMANIA DONOVANI

GENETICS

Malaria and Leishmania parasites share the knob-associated histidine-rich protein gene sequences. Sharma YD. **Comp Biochem Physiol [B]** 1991;98(4):433–5 (10 ref.)

LEISHMANIA INFANTUM see **LEISHMANIA DONOVANI**

LEISHMANIA MAJOR see **LEISHMANIA TROPICA**

LEISHMANIA MINOR see **LEISHMANIA TROPICA**

LEISHMANIA TROPICA

IMMUNOLOGY

T-cell reactivity to purified lipophosphoglycan from Leishmania major: a model for analysis of the cellular immune response to microbial carbohydrates. Moll H, et al. **Behring Inst Mitt** 1991 Feb;(88):161–9 (54 ref.)
T-cell responses during infections with Leishmania major. Müller I, et al. **Behring Inst Mitt** 1991 Feb;(88):80–3 (21 ref.)

LEISHMANIASIS

Leishmaniasis in Arabia: an annotated bibliography. Killick-Kendrick R, et al. **Am J Trop Med Hyg** 1991 Mar; 44(3 Pt 2):1–64 (271 ref.)

DRUG THERAPY

Purine analogs as chemotherapeutic agents in leishmaniasis and American trypanosomiasis. Marr JJ. **J Lab Clin Med** 1991 Aug;118(2):111–9 (36 ref.)

Present status of Leishmaniasis. Mukherjee A, et al. **Prog Drug Res** 1990;34:447–90 (407 ref.)
Future prospects for the chemotherapy of human trypanosomiasis. 1. Novel approaches to the chemotherapy of trypanosomiasis. Fairlamb AH. **Trans R Soc Trop Med Hyg** 1990 Sep–Oct;84(5):613–7 (53 ref.)

IMMUNOLOGY

The effector mechanism and vaccination against cutaneous leishmaniasis. Liew FY. **Behring Inst Mitt** 1991 Feb;(88):239–43 (26 ref.)
Polyclonal B-cell stimulation by T-cells in a parasitic disease. Lohoff M, et al. **Behring Inst Mitt** 1991 Feb;(88):84–93 (21 ref.)
T-cell responses during infections with Leishmania major. Müller I, et al. **Behring Inst Mitt** 1991 Feb;(88):80–3 (21 ref.)
The interface between the Leishmania-infected macrophage and the host's immune system. Russell DG, et al. **Behring Inst Mitt** 1991 Feb;(88):68–79 (45 ref.)
Helper T-cell subsets in mouse leishmaniasis: induction, expansion and effector function. Locksley RM, et al. **Immunol Today** 1991 Mar;12(3):A58–61 (41 ref.)
Leishmania major infection in mice: a model system for the study of CD4+ T-cell subset differentiation. Coffman RL, et al. **Res Immunol** 1991 Jan;142(1):36–40 (14 ref.)
Induction of Th1 and Th2 CD4+ subsets during murine Leishmania major infection. Locksley RM, et al. **Res Immunol** 1991 Jan;142(1):28–32 (22 ref.)
Host and parasite factors regulating the development of CD4+ T-cell subsets in experimental cutaneous leishmaniasis. Scott P. **Res Immunol** 1991 Jan;142(1):32–6 (11 ref.)

PARASITOLOGY

Leishmaniasis and its etiologic agents in the New World: an overview. Grimaldi G Jr, et al. **Prog Clin Parasitol** 1991; 2:73–118 (250 ref.)

PREVENTION & CONTROL

Development of vaccines against leishmaniasis. Modabber F. **Scand J Infect Dis Suppl** 1990;76:72–8 (36 ref.)

LEISHMANIASIS, CUTANEOUS see **LEISHMANIASIS**

LEISHMANIASIS, MUCOCUTANEOUS

COMPLICATIONS

[Mucocutaneous leishmaniasis. Report of 2 cases] Khayat CM, et al. **Ann Otolaryngol Chir Cervicofac** 1990; 107(7):494–9 (22 ref.) (Eng. Abstr.) **(Fre)**

LEISHMANIASIS, VISCERAL

COMPLICATIONS

Visceral leishmaniasis in HIV infection and AIDS: clinical features and response to therapy. Peters BS, et al. **Q J Med** 1990 Nov;77(283):1101–11 (49 ref.)

DIAGNOSIS

[A case report of visceral leishmaniasis] Popov G, et al. **Vutr Boles** 1991;30(2):121–5 (12 ref.) (Eng. Abstr.) **(Bul)**
[Visceral leishmaniasis. Personal observation and review of epidemiology, clinical aspects and therapy] Dickerhoff R, et al. **Klin Padiatr** 1990 Sep–Oct;202(5):347–51 (16 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

[Visceral leishmaniasis of favourable course in a patient with renal transplantation] Le Cacheux P, et al. **Rev Med Interne** 1990 May–Jun;11(3):250–1 (10 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Antigen processing and presentation: modelling with Leishmania. Kaye PM, et al. **Behring Inst Mitt** 1991 Feb; (88):13–9 (19 ref.)
[Visceral leishmaniasis and immunosuppression] Lortholary O, et al. **Ann Med Interne (Paris)** 1991;142(3):215–7 (45 ref.) **(Fre)**

LEISURE ACTIVITIES

Noise exposure from leisure activities: a review. Clark WW. **J Acoust Soc Am** 1991 Jul;90(1):175–81 (54 ref.)
The assessment of physical activity by leisure-time physical activity questionnaires. Lamb KL, et al. **Sports Med** 1990 Sep;10(3):159–80 (109 ref.)

LENGTH OF LIFE see **LONGEVITY**

LENGTH OF STAY

STATISTICS & NUMERICAL DATA

Waiting for placement: an exploratory analysis of determinants of delayed discharges of elderly hospital patients. Falcone D, et al. **Health Serv Res** 1991 Aug; 26(3):339–74 (47 ref.)

TRENDS

Early postpartum discharge programs in the United States: a literature review and critique. Beck CT. **Women Health** 1991;17(1):125–38 (13 ref.)

LENS, CRYSTALLINE

DRUG EFFECTS

In vivo and in vitro non invasive studies on the ocular lens. Lerman S. **Lens Eye Toxic Res** 1989;6(4):503–14 (51 ref.)
[Toxicity of ethylene oxide on the crystalline lense in an occupational milieu. Difficulty of epidemiologic surveys of cataract] Deschamps D, et al. **J Fr Ophtalmol** 1990; 13(4):189–97 (24 ref.) (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Role of proteolysis in lenses: a review. David LL, et al. **Lens Eye Toxic Res** 1989;6(4):725–47 (61 ref.)

METABOLISM

A light-induced tryptophan–riboflavin binding: biological implications. Silva E, et al. **Adv Exp Med Biol** 1991; 289:33–48 (81 ref.)
Proctor lecture. Disorganization of membranes and abnormal intermediate filament assembly lead to cataract. Bloemendal H. **Invest Ophthalmol Vis Sci** 1991 Mar; 32(3):445–55 (86 ref.)
Messenger RNA population in normal and cataractous rat lens. A minireview. Bekhor I. **Lens Eye Toxic Res** 1989; 6(4):749–72 (23 ref.)
From E.M. microprobe analysis to NMRD studies of the lens. Clark JI, et al. **Lens Eye Toxic Res** 1989;6(4):523–39 (31 ref.)
Impact of cellular and molecular organization on lens metabolism. Farnsworth PN, et al. **Lens Eye Toxic Res** 1989;6(4):541–58 (38 ref.)

PHYSIOLOGY

Cerebral cortical and brainstem areas related to the central control of lens accommodation in cat and monkey. Bando T, et al. **Comp Biochem Physiol [C]** 1991;98(1):229–37 (116 ref.)
Discrepancy between onset of early lens changes and onset of senile cataract: the case for cellular defense systems in the human eye lens. Vrensen G. **Dev Ophthalmol** 1991; 21:129–33 (17 ref.)

PHYSIOPATHOLOGY

In vivo evaluation of lenticular phototoxicity. Lerman S. **Lens Eye Toxic Res** 1989;6(1–2):301–8 (30 ref.)
Cortical cataract development—an expression of primary damage to the lens epithelium. Worgul BV, et al. **Lens Eye Toxic Res** 1989;6(4):559–71 (48 ref.)

RADIATION EFFECTS

Effect of radioprotective agents on X-ray cataracts. Reddy VN, et al. **Lens Eye Toxic Res** 1989;6(4):573–88 (20 ref.)
Screening for potential in vivo phototoxicity in the lens/retina. Roberts JE, et al. **Lens Eye Toxic Res** 1990; 7(3–4):655–66 (38 ref.)
Comparison of endogenous and exogenous photosensitization in the lens using in vitro and photophysical studies. Roberts JE, et al. **Lens Eye Toxic Res** 1989;6(1–2):309–18 (34 ref.)

SURGERY

[Extraction of the crystalline lens and implantation of an intraocular lens] Galand A. **Bull Soc Belge Ophtalmol** 1989; 233:127–38 (36 ref.) **(Fre)**

LENS DISLOCATION see **LENS SUBLUXATION**

LENS IMPLANTATION, INTRAOCULAR see **LENSES, INTRAOCULAR**

LENS NUCLEUS, CRYSTALLINE

SURGERY

[Aquadiassectio alia post aliam. A helpful technique in the fractionated preparation of the lens nucleus in extracapsular cataract extraction] Klaas DW. **Fortschr Ophthalmol** 1990; 87(4):425–8 (17 ref.) (Eng. Abstr.) **(Ger)**

LENS OPACITIES see **CATARACT**

LENS PROTEINS see **CRYSTALLINS**

LENS SUBLUXATION

DIAGNOSIS

[The clinical picture and diagnosis of lens dislocations] Beliaeva LL, et al. **Oftalmol Zh** 1990;(1):52–4 (19 ref.) **(Rus)**

SURGERY

[Treatment of crystalline lens dislocations] Venger GE, et al. **Oftalmol Zh** 1990;(4):248–51 (33 ref.) **(Rus)**

LENSES, CONTACT see **CONTACT LENSES**

LENSES, CONTACT, HYDROPHILIC see **CONTACT LENSES, HYDROPHILIC**

LENSES, INTRAOCULAR

Bifocal intraocular lenses [comment] Munton G. **Br J Ophthalmol** 1991 Jun;75(6):367 (12 ref.) Comment on: Br J Ophthalmol 1991 Jun;75(6):359–66.
Phakic anterior chamber intraocular lenses. Baikoff G. **Int Ophthalmol Clin** 1991 Winter;31(1):75–86 (25 ref.)
Intraocular lens implantation in an eye with Behçet's uveitis. Loewenstein A, et al. **J Cataract Refract Surg** 1991 Jan; 17(1):95–7 (12 ref.)
Techniques of posterior chamber lens implantation without capsular support during penetrating keratoplasty: a review. Soong HK, et al. **Refract Corneal Surg** 1989 Jul–Aug; 5(4):249–55 (33 ref.)
[Surgical correction of severe myopia using an anterior chamber implant in the phakic eye. Concept—results] Baikoff G, et al. **Bull Soc Belge Ophtalmol** 1989;233:109–25 (49 ref.) **(Fre)**
[Extraction of the crystalline lens and implantation of an intraocular lens] Galand A. **Bull Soc Belge Ophtalmol** 1989; 233:127–38 (36 ref.) **(Fre)**
[Comparative evaluation of intracapsular cataract extraction, extracapsular cataract extraction and phacoemulsification] Ohrloff C. **Fortschr Ophthalmol** 1990;87 Suppl:S14–21 (96 ref.) (Eng. Abstr.) **(Ger)**
[Artificial intraocular lenses] Skorpik C. **Fortschr Ophthalmol** 1990;87 Suppl:S22–8 (99 ref.) (Eng. Abstr.) **(Ger)**
[Acute and chronic inflammatory reactions following implantation of artificial lenses] Treumer H. **Fortschr Ophthalmol** 1990;87 Suppl:S33–40 (34 ref.) (Eng. Abstr.) **(Ger)**
[Is assessment of complications following intra- and extracapsular cataract extraction with lens implantation biased? (see comments)] Vogel M. **Klin Monatsbl Augenheilkd** 1991 Jan;198(1):2–5 (37 ref.) (Eng. Abstr.) Comment in: Klin Monatsbl Augenheilkd 1991 Jan;198(1):1. **(Ger)**

ADVERSE EFFECTS

[Pigmentary glaucoma following implantation of an artificial lens in the posterior chamber] Archaimbault V, et al. **Bull Soc Ophtalmol Fr** 1990 Mar;90(3):285–9 (9 ref.) **(Fre)**
[Retinal detachment and pseudophakia. Personal experience and analysis of the literature] Fritsch D, et al. **Bull Soc Ophtalmol Fr** 1990 Mar;90(3):309–12 (7 ref.) **(Fre)**

LENTICULAR NUCLEUS see **CORPUS STRIATUM**

LENTILS see **LEGUMES**

LENTINUS see **POLYPORACEAE**

LENTIVIRINAE

GENETICS

A comparison of the genetic and biologic features of human and non-human immunodeficiency lentiviruses. Marcon L, et al. **Antibiot Chemother** 1991;43:55–68 (68 ref.)

PHYSIOLOGY

Ovine–caprine lentiviruses: infection and pathogenesis. Narayan O, et al. **Dev Biol Stand** 1990;72:203–5 (22 ref.)

LENTIVIRUS INFECTIONS

GENETICS

A comparison of the genetic and biologic features of human and non-human immunodeficiency lentiviruses. Marcon L, et al. **Antibiot Chemother** 1991;43:55–68 (68 ref.)

MICROBIOLOGY

Development of the bovine immunodeficiency-like virus as a model of lentivirus disease. Gonda MA, et al. **Dev Biol Stand** 1990;72:97–110 (24 ref.)

VETERINARY

Ovine–caprine lentiviruses: infection and pathogenesis. Narayan O, et al. **Dev Biol Stand** 1990;72:203–5 (22 ref.)
Lessons from caprine and ovine retrovirus infections. Michaels FH, et al. **Rheum Dis Clin North Am** 1991 Feb; 17(1):5–23 (73 ref.)
Ovine progressive pneumonia, caprine arthritis–encephalitis, and related lentiviral diseases of sheep and goats. Bulgin MS. **Vet Clin North Am Food Anim Pract** 1990 Nov; 6(3):691–704 (60 ref.)
[Bovine immunodeficiency virus: short review] Bouillant

AM, et al. **Ann Rech Vet** 1990;21(4):239–50 (92 ref.) (Eng. Abstr.) **(Fre)**

LEPROSTATIC AGENTS

THERAPEUTIC USE

Recent advances in the chemotherapy of leprosy [editorial] Ji B, et al. **Lepr Rev** 1990 Dec;61(4):313–29 (88 ref.)
Drugs and drug development for chemotherapy of leprosy and tuberculosis, including M. avium infections. Seydel JK. **Trop Med Parasitol** 1990 Sep;41(3):341–3 (11 ref.)
Therapeutic regimens in leprosy. Pattyn SR. **Verh K Acad Geneeskd Belg** 1990;52(4):301–10; discussion 310–2 (20 ref.)

LEPROSY

Naturally acquired and experimental leprosy in nonhuman primates. Meyers WM, et al. **Am J Trop Med Hyg** 1991 Apr;44(4 Pt 2):24–7 (27 ref.)
Leprosy. Rea TH, et al. **Immunol Ser** 1989;46:723–45 (99 ref.)
Reactional states in Hansen's disease: practical aspects of emergency management. Goodless DR, et al. **South Med J** 1991 Feb;84(2):237–41 (33 ref.)

CLASSIFICATION

[Classification of leprosy types] Okada S. **Nippon Rai Gakkai Zasshi** 1989 Oct–Dec;58(4):224–34 (22 ref.) **(Jpn)**

COMPLICATIONS

The continuing challenge of ocular leprosy. Ffytche TJ. **Br J Ophthalmol** 1991 Feb;75(2):123–4 (13 ref.)
Significance of nail changes in leprosy: a clinical review of 357 cases. Patki AH, et al. **Semin Dermatol** 1991 Mar; 10(1):77–81 (19 ref.)
[Course of bone lesions of leprosic feet towards dislocation of the tarsus and metatarsus] Carayon A, et al. **Rev Chir Orthop** 1990;76(8):579–82 (11 ref.) (Eng. Abstr.) **(Fre)**
[Neural involvement in hanseniasis] Job CK. **Hansenol Int** 1989 Jun;14(1):50–9 (19 ref.) **(Por)**

DIAGNOSIS

Chance, the prepared mind and children with Hansen's disease. Stitt PG. **Hawaii Med J** 1990 Aug;49(8):309–12 (8 ref.)
Towards clinical and epidemiological application of advances in molecular biology of Mycobacterium leprae. Katoch VM, et al. **Trop Med Parasitol** 1990 Sep;41(3):299–300 (22 ref.)
Nerve antigen based serological tests for the diagnosis and prognosis of leprosy. Mukherjee R, et al. **Trop Med Parasitol** 1990 Sep;41(3):357–8 (14 ref.)
Mycobacterium leprae antigens and their utility in immunodiagnostics of leprosy. Sengupta U. **Trop Med Parasitol** 1990 Sep;41(3):361–2 (9 ref.)

DRUG THERAPY

Clofazimine: a review of its use in leprosy and Mycobacterium avium complex infection. Garrelts JC. **DICP** 1991 May;25(5):525–31 (54 ref.)
Therapeutic update: leprosy and it's reactions. Ghosh S. **Indian J Dermatol** 1990 Mar;35(1):57–65 (16 ref.)
Recent advances in the chemotherapy of leprosy [editorial] Ji B, et al. **Lepr Rev** 1990 Dec;61(4):313–29 (88 ref.)
Progress in the chemotherapy of leprosy: status, issues and prospects. Gelber RH. **Prog Drug Res** 1990;34:421–45 (118 ref.)
Drugs and drug development for chemotherapy of leprosy and tuberculosis, including M. avium infections. Seydel JK. **Trop Med Parasitol** 1990 Sep;41(3):341–3 (11 ref.)
Therapeutic regimens in leprosy. Pattyn SR. **Verh K Acad Geneeskd Belg** 1990;52(4):301–10; discussion 310–2 (20 ref.)

EPIDEMIOLOGY

An overview of the current status of serological techniques in the epidemiology of leprosy. Bharadwaj VP, et al. **Trop Med Parasitol** 1990 Sep;41(3):359–60 (18 ref.)

ETIOLOGY

Current concepts in the pathogenesis of leprosy. Clinical, pathological, immunological and chemotherapeutic aspects. Meyers WM, et al. **Drugs** 1991 Jun;41(6):832–56 (153 ref.)

GENETICS

Genetic control of immunopathology induced by Mycobacterium leprae. de Vries RR. **Am J Trop Med Hyg** 1991 Apr;44(4 Pt 2):12–6 (22 ref.)
Genetics of leprosy. Schurr E, et al. **Am J Trop Med Hyg** 1991 Apr;44(4 Pt 2):4–11 (55 ref.)

IMMUNOLOGY

Inside the skin: the local immune and inflammatory milieu in leprosy. Scollard DM. **Am J Trop Med Hyg** 1991 Apr; 44(4 Pt 2):17–23 (36 ref.)
Immunology of leprosy: cellular anergy to Mycobacterium leprae. Rojas-Espinosa O, et al. **Arch Invest Med (Mex)** 1989 Oct–Dec;20(4):335–41 (28 ref.)
Leprosy and cell-mediated immunity. Kaplan G, et al. **Curr Opin Immunol** 1991 Feb;3(1):91–6 (32 ref.)
Hansen's disease, cell-mediated immunity, and recombinant lymphokines. Cohn ZA, et al. **J Infect Dis** 1991 Jun; 163(6):1195–200 (26 ref.)
Role of HLA linked factors in governing susceptibility to leprosy and tuberculosis. Mehra NK. **Trop Med Parasitol** 1990 Sep;41(3):352–4 (7 ref.)

PATHOLOGY

Renal lesions in leprosy [editorial] Chugh KS, et al. **J Assoc Physicians India** 1991 Feb;39(2):163–4 (39 ref.)
Recent concepts in the pathology of leprosy. Mukherjee A. **Trop Med Parasitol** 1990 Sep;41(3):344–6 (34 ref.)
Nerve damage, surgery and rehabilitation in leprosy. Srinivasan H. **Trop Med Parasitol** 1990 Sep;41(3):347–9 (17 ref.)

PREVENTION & CONTROL

Towards new leprosy and tuberculosis vaccines. Kaufmann S. **Microbiol Sci** 1987 Nov;4(11):324–8 (38 ref.)
Leprosy vaccines. Fine P, et al. **Vaccine** 1991 May;9(5):291–3 (42 ref.)
Mycobacterium vaccae in immunoprophylaxis and immunotherapy of leprosy and tuberculosis. Stanford JL, et al. **Vaccine** 1990 Dec;8(6):525–30 (45 ref.)

SURGERY

Recent advances in restorative surgery of extremities in leprosy. Malaviya GN. **Acta Leprol** 1990;7(3):239–45 (35 ref.)

LEPROSY, CUTANEOUS see **LEPROSY, LEPROMATOUS**

LEPROSY, LEPROMATOUS

COMPLICATIONS

[Autochtonous leprosy in a patient treated for superficial pemphigus] Joly P, et al. **Ann Dermatol Venereol** 1991; 118(6–7):453–5 (15 ref.) **(Fre)**

ETIOLOGY

[A case of lepromatous leprosy inoculated by tattooing] Itamar BS. **Ann Dermatol Venereol** 1990;117(9):631–3 (8 ref.) **(Fre)**

LEPROSY, MACULAR see **LEPROSY, TUBERCULOID**

LEPROSY, NEURAL see **LEPROSY, TUBERCULOID**

LEPROSY, NODULAR see **LEPROSY, LEPROMATOUS**

LEPROSY, TUBERCULOID

[Necessary methodologies for research advancements in leprous neuritis] Carayon A. **Acta Leprol** 1990;7(2):193–7 (42 ref.) **(Fre)**

LEPTOCURARES see **NEUROMUSCULAR DEPOLARIZING AGENTS**

LEPTOMENINGEAL CYSTS see **ARACHNOID CYSTS**

LEPTOMONAS see **TRYPANOSOMATIDAE**

LEPTOSPIROSIS

Spirochetal infection of the central nervous system. Coyle PK, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):731–46 (55 ref.)

COMPLICATIONS

The Jarisch-Herxheimer reaction in leptospirosis: possible pathogenesis and review. Friedland JS, et al. **Rev Infect Dis** 1991 Mar–Apr;13(2):207–10 (44 ref.)

EPIDEMIOLOGY

New topics on leptospirosis. Andre-Fontaine G, et al. **Comp Immunol Microbiol Infect Dis** 1990;13(3):163–8 (49 ref.)
The changing epidemiology of leptospirosis in Europe. A report on the 6th meeting of European Leptospira workers, Brnò, Czechoslovakia, September 1988. Gsell O. **Int J Med Microbiol** 1990 Aug;273(3):412–27 (56 ref.)

LEPTOSPIROSIS, ICTEROHEMORRHAGIC see **WEIL'S DISEASE**

LESBIANISM see **HOMOSEXUALITY**

LESCH-NYHAN SYNDROME

CHEMICALLY INDUCED

A dopamine deficiency model of Lesch-Nyhan disease--the neonatal-6-OHDA-lesioned rat. Breese GR, et al. **Brain Res Bull** 1990 Sep;25(3):477–84 (57 ref.)

GENETICS

Identification of 17 independent mutations responsible for human hypoxanthine-guanine phosphoribosyltransferase (HPRT) deficiency. Davidson BL, et al. **Am J Hum Genet** 1991 May;48(5):951–8 (22 ref.)

PHYSIOPATHOLOGY

Animal models of Lesch-Nyhan syndrome. Jinnah HA, et al. **Brain Res Bull** 1990 Sep;25(3):467–75 (104 ref.)
Evidence that lack of brain dopamine during development can increase the susceptibility for aggression and self-injurious behavior by influencing D1-dopamine receptor function. Breese GR, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990;14 Suppl:S65–80 (52 ref.)

LETHAL MIDLINE GRANULOMA see **GRANULOMA, LETHAL MIDLINE**

LETHARGY see **SLEEP STAGES**

LETS PROTEINS see **FIBRONECTINS**

LEU ANTIGENS see **ANTIGENS, DIFFERENTIATION**

LEU ANTIGENS, B-LYMPHOCYTE see **ANTIGENS, DIFFERENTIATION, B-LYMPHOCYTE**

LEU ANTIGENS, MYELOMONOCYTIC see **ANTIGENS, DIFFERENTIATION, MYELOMONOCYTIC**

LEU-CAM RECEPTOR FAMILY see **RECEPTORS, LEUKOCYTE-ADHESION**

LEU-M1 ANTIGENS see **ANTIGENS, DIFFERENTIATION, MYELOMONOCYTIC**

LEU-M2 ANTIGENS see **ANTIGENS, DIFFERENTIATION, MYELOMONOCYTIC**

LEU-M4 ANTIGENS see **ANTIGENS, DIFFERENTIATION, MYELOMONOCYTIC**

LEU-M5 ANTIGENS see **ANTIGENS, DIFFERENTIATION, MYELOMONOCYTIC**

LEUCINE

METABOLISM

Leucine metabolism in man: lessons from modeling. Matthews DE, et al. **JPEN J Parenter Enteral Nutr** 1991 May-Jun;15(3):86S–89S (20 ref.)

LEUCINE ZIPPERS

GENETICS

Molecular zippers in gene regulation. McKnight SL. **Sci Am** 1991 Apr;264(4):54–64 (6 ref.)

LEUCOKININ see **TUFTSIN**

LEUCONOSTOC

PATHOGENICITY

Meningitis in a neonate caused by Leuconostoc sp. Friedland IR, et al. **J Clin Microbiol** 1990 Sep;28(9):2125–6 (11 ref.)

LEUCOTOMY see **PSYCHOSURGERY**

LEUCOVORIN

Modulation of fluoropyrimidines by leucovorin: rationale and status. Rustum YM. **J Surg Oncol Suppl** 1991;2:116–23 (38 ref.)

ADMINISTRATION & DOSAGE

[5-Fluorouracil (5-FU)/leucovorin in comparison to other current chemotherapy protocols in metastasizing colorectal carcinoma] Baur M, et al. **Wien Klin Wochenschr** 1991; 103(11):332–9 (94 ref.) (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Methotrexate and leucovorin in malignant blood diseases. Jolivet J. **Baillieres Clin Haematol** 1991 Jan;4(1):1–13 (64 ref.)
[Adjuvant chemotherapy in colonic cancer] Seitz JF. **Gastroenterol Clin Biol** 1990;14(11):797–800 (38 ref.) **(Fre)**

LEUKAPHERESIS

Photopheresis for T cell mediated diseases. Heald PW, et al. **Adv Dermatol** 1988;3:25–40 (16 ref.)
[Early complications and treatment of marked blastic hyperleukocytosis in children with leukemia] Kubiczek K, et al. **Pol Tyg Lek** 1989 Oct 2–16;44(40–42):889–91 (24 ref.)

(Pol)

LEUKEMIA

Malignancies of the immune system. Virella G, et al. **Immunol Ser** 1990;50:535–63 (12 ref.)

CHEMICALLY INDUCED

Cytotoxic chemotherapy-induced second primary neoplasms: clinical aspects. Petru E, et al. **Neoplasma** 1991;38(2):147–55 (41 ref.)

COMPLICATIONS

Haemostatic problems in acute leukaemia. Wilde JT, et al. **Blood Rev** 1990 Dec;4(4):245–51 (53 ref.)

Pulmonary complications of leukemia. Hildebrand FL Jr, et al. **Chest** 1990 Nov;98(5):1233–9 (59 ref.)

[Hemostatic disorders in acute and chronic leukemias. Pathogenesis and therapy] Woitinas F. **Dtsch Med Wochenschr** 1991 Jul 26;116(30):1154–9 (30 ref.) **(Ger)**

[Hematologic malignancies associated with Klinefelter's syndrome] Oguma N. **Rinsho Ketsueki** 1991 Jan;32(1):1–5 (13 ref.) **(Jpn)**

DIAGNOSIS

Molecular biology and leukaemia diagnosis. Worwood M, et al. **Baillieres Clin Haematol** 1990 Oct;3(4):949–76 (105 ref.)

Cytologic diagnosis of leukemia and lymphoma. Values and limitations. Katz RL. **Clin Lab Med** 1991 Jun;11(2):469–99 (47 ref.)

Leukemias of indeterminant lineage. Lee EJ, et al. **Clin Lab Med** 1990 Dec;10(4):737–54 (70 ref.)

Recent advances in diagnosis and classification of leukemias and lymphomas. Naeim F, et al. **Dis Markers** 1990 Sep–Oct; 8(5):231–64 (224 ref.)

The polymerase chain reaction: a new tool for the detection of minimal residual disease in haematological malignancies. Fey MF, et al. **Eur J Cancer** 1991;27(1):89–94 (54 ref.)

Clinical value of PCR in diagnosis and follow-up of leukaemia and lymphoma: report of the third Workshop of the Molecular Biology/BMT study group. Hughes TP, et al. **Leukemia** 1991 Jun;5(6):448–51 (28 ref.)

[Minimal residual disease in leukemia] Morishima Y. **Gan To Kagaku Ryoho** 1991 Sep;18(12):2063–9 (27 ref.) (Eng. Abstr.) **(Jpn)**

[DNA diagnosis of human cancers: lymphoid malignancies and leukemia] Takaku F. **Gan To Kagaku Ryoho** 1991 Jan; 18(1):37–43 (16 ref.) (Eng. Abstr.) **(Jpn)**

[Molecular genetics--valuable diagnostic complement in cases of lymphomas/leukemias] Lindh J, et al. **Lakartidningen** 1991 Feb 20;88(8):641–4 (14 ref.) (Eng. Abstr.) **(Swe)**

DRUG THERAPY

Regulation of de novo and salvage pathways in chemotherapy. Weber G, et al. **Adv Enzyme Regul** 1991; 31:45–67 (37 ref.)

Antiproliferative effects of lipoxygenase inhibitors on human leukemia cells. Snyder DS. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:921–4 (11 ref.)

Antitumor enzyme: polyethylene glycol-modified asparaginase. Wada H, et al. **Ann N Y Acad Sci** 1990; 613:95–108 (17 ref.)

New drugs in the treatment of acute and chronic leukemia with some emphasis on m-AMSA. Jehn U, et al. **Anticancer Res** 1991 Mar–Apr;11(2):705–11 (67 ref.)

Antimetabolites. Capizzi RL, et al. **Baillieres Clin Haematol** 1991 Jan;4(1):15–45 (146 ref.)

Low-dose chemotherapy and differentiating agents. Chomienne C. **Baillieres Clin Haematol** 1991 Jan;4(1):47–68 (109 ref.)

Methotrexate and leucovorin in malignant blood diseases. Jolivet J. **Baillieres Clin Haematol** 1991 Jan;4(1):1–13 (64 ref.)

Idarubicin: a second-generation anthracycline. Fields SM, et al. **DICP** 1991 May;25(5):505–17 (103 ref.)

Fludarabine: a review. Hood MA, et al. **DICP** 1991 May; 25(5):518–24 (62 ref.)

Current pharmacological treatment approaches to central nervous system leukaemia. Blaney SM, et al. **Drugs** 1991 May;41(5):702–16 (64 ref.)

Fludarabine phosphate: a synthetic purine antimetabolite with significant activity against lymphoid malignancies. Chun HG, et al. **J Clin Oncol** 1991 Jan;9(1):175–88 (96 ref.)

Increased chemosensitivity of hematopoietic neoplasia in response to growth factors: a review. Ferrero D, et al. **J Nucl Med Allied Sci** 1990 Oct–Dec;34(4 Suppl):179–84 (24 ref.)

Towards more specific therapy for leukemia: terminal transferase as a therapeutic target. Bulger K, et al. **Leuk Res** 1991;15(5):285–8 (12 ref.)

Will more intensive chemotherapy of leukemia increase cures? Gale RP. **Leuk Res** 1991;15(4):185–7 (27 ref.)

Issues for the future development of fludarabine phosphate. Cheson BD. **Semin Oncol** 1990 Oct;17(5 Suppl 8):71–8 (35 ref.)

[The use of intravenous gamma globulin in malignant hematologic diseases] Garay GE. **Medicina (B Aires)** 1989; 49(6):621–7 (55 ref.) **(Spa)**

ENZYMOLOGY

RNase H of human leukemic cells: a new biological parameter in the study of human leukemias (review). Papaphilis AD, et al. **Anticancer Res** 1990 Sep–Oct; 10(5A):1201–12 (90 ref.)

ETIOLOGY

Possible aetiological factors in childhood leukaemia. Roman E, et al. **Arch Dis Child** 1991 Feb;66(2):179–80 (26 ref.)

Leukemia and preleukemia in Fanconi anemia patients. A review of the literature and report of the International Fanconi Anemia Registry. Auerbach AD, et al. **Cancer Genet Cytogenet** 1991 Jan;51(1):1–12 (92 ref.)

Epidemiology and etiology of leukemia. Sandler DP. **Curr Opin Oncol** 1990 Feb;2(1):3–9 (28 ref.)

Lymphohematopoiesis: role of growth factors in leukemogenesis and therapy. Fackler MJ, et al. **Hematol Oncol Clin North Am** 1990 Aug;4(4):849–65 (97 ref.)

Leukemia in a child with a history of medulloblastoma [see comments] Blatt J, et al. **Pediatr Hematol Oncol** 1991 Jan–Mar;8(1):77–82 (17 ref.) Comment in: Pediatr Hematol Oncol 1991 Jan–Mar;8(1):vii.

Household magnetic fields and childhood leukemia: a critical analysis. Michaelson SM. **Pediatrics** 1991 Sep;88(3):630–5 (39 ref.)

GENETICS

ETS family of genes in leukemia and Down syndrome. Papas TS, et al. **Am J Med Genet Suppl** 1990;7:251–61 (51 ref.)

Molecular genetics and its application to the diagnosis and classification of hematopoietic neoplasms. Abbondanzo SL, et al. **Am J Pediatr Hematol Oncol** 1990 Winter;12(4):480–9 (90 ref.)

Molecular biology of lymphoid malignancies. Kagan J, et al. **Ann Oncol** 1991 Feb;2 Suppl 2:9–21 (183 ref.)

Multidrug resistance: clinical relevance in haematological malignancies. Kaye SB, et al. **Blood Rev** 1991 Mar; 5(1):38–41 (27 ref.)

Oncogenic conversion of transcription factors by chromosomal translocations. Cleary ML. **Cell** 1991 Aug 23;66(4):619–22 (25 ref.)

Functional requirements of c-myb during normal and leukemic hematopoiesis. Calabretta B, et al. **Crit Rev Oncog** 1991;2(3):187–94 (69 ref.)

Leukemia: experimental and preclinical studies. Capizzi RL. **Curr Opin Oncol** 1990 Feb;2(1):10–7 (26 ref.)

Molecular biology of lymphoid malignancies. Grignani F, et al. **Curr Opin Oncol** 1989 Oct;1(1):4–9 (21 ref.)

Cytogenetics and oncogenes. Williams DL. **Curr Opin Oncol** 1990 Feb;2(1):26–33 (22 ref.)

Chromosome abnormalities in human cancer and leukemia. Sandberg AA. **Mutat Res** 1991 Apr;247(2):231–40 (13 ref.)

Genes on chromosome 21 and cancer. Sacchi N. **Prog Clin Biol Res** 1990;360:169–85 (65 ref.)

Oncogene involvement in lymphoid malignancy. Ngan BY, et al. **Tumour Biol** 1990;11 Suppl 1:78–93 (99 ref.)

T cell receptor and immunoglobulin genes in hematologic malignancies. Reis MD, et al. **Tumour Biol** 1990;11 Suppl 1:59–77 (77 ref.)

[Immunegene rearrangements of acute undifferentiated leukemia (AUL)] Kita K, et al. **Gan To Kagaku Ryoho** 1991 Jun;18(7):1084–9 (14 ref.) (Eng. Abstr.) **(Jpn)**

[Molecular mechanisms of oncogene activation in hematological malignancies] Ino T, et al. **Nippon Rinsho** 1991 Jan;49(1):247–57 (20 ref.) **(Jpn)**

[Chromosome rearrangements in leukemia] Yoshida MC. **Rinsho Ketsueki** 1991 May;32(5):447–52 (8 ref.) (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

B-cell monoclonal antibodies and their use in clinical oncology. Freedman AS, et al. **Cancer Invest** 1991; 9(1):69–84 (144 ref.)

CD5+ B cells in autoimmune disease and lymphoid malignancy. Shirai T, et al. **Clin Immunol Immunopathol** 1991 May;59(2):173–86 (80 ref.)

Pathology and immunology of leukemia. Mirro J Jr. **Curr Opin Oncol** 1990 Feb;2(1):18–25 (20 ref.)

Graft-versus-leukaemia after bone marrow transplantation. Barret AJ. **Pediatr Med Chir** 1991 Jan–Feb;13(1):9–13 (23 ref.)

[Immunocytological phenotyping of leukemias and lymphomas. Methods, results, indications and significance] Schwonzen M, et al. **Med Klin** 1990 Sep 15;85(9):533–47 (151 ref.) **(Ger)**

[Natural killer cells in the clinical picture of hematologic malignancies] Shparyk IaV, et al. **Gematol Transfuziol** 1990 Sep;35(9):27–30 (77 ref.) **(Rus)**

[Antonio Raichs lecture. Graft versus host disease and the graft-against-leukemia reaction. Memorial lecture] Rozman C. **Sangre (Barc)** 1990 Dec;35(6):465–73 (80 ref.) **(Spa)**

METABOLISM

[Trace elements in the human body and their physiological significance and levels in proliferative diseases of the hematopoietic system] Deptala A. **Pol Tyg Lek** 1989 Oct 2–16;44(40–42):892–5 (33 ref.) **(Pol)**

MICROBIOLOGY

Retroviral leukemia and lower motor neuron disease in wild mice: natural history, pathogenesis, and genetic resistance. Gardner MB. **Adv Neurol** 1991;56:473–9 (50 ref.)

PATHOLOGY

Leukemic transformation in myelodysplastic syndrome: a review. Yanuck MD, et al. **Ann Clin Lab Sci** 1991 May–Jun; 21(3):171–6 (41 ref.)

Systems used to study the nature of the leukemic cell and predict treatment outcome in patients with myeloproliferative disorders. Goldberg J. **Clin Lab Med** 1990 Dec;10(4):809–24 (78 ref.)

Cellular dynamics of leukemias. Raza A, et al. **Crit Rev Oncog** 1990;1(4):373–88 (114 ref.)

Platelet-derived growth factor and its receptor in blood cell differentiation and neoplasia. Pantazis P, et al. **Eur J Haematol** 1990 Sep;45(3):127–38 (107 ref.)

Prognostic significance of neoplastic cell proliferation parameters in human haematological malignancies. Kotelnikov VM. **Folia Haematol (Leipz)** 1990;117(3):391–7 (46 ref.)

Hematopoietic growth factors and progenitor cells in human acute leukemia. Löwenberg B, et al. **Immunol Ser** 1990; 49:277–96 (101 ref.)

Relationship between clonality and transformation in acute leukemia. Butturini A, et al. **Leuk Res** 1991;15(1):1–7 (44 ref.)

Malignant lymphoma, pseudolymphoma, and hematopoietic disorders of the female genital tract. Ferry JA, et al. **Pathol Annu** 1991;26 Pt 1:227–63 (124 ref.)

[Interstitial cancerous lung diseases. Lymphangiosis carcinomatosa and leukemic pulmonary infiltrates] Dinkel E, et al. **Radiologe** 1990 Dec;30(12):591–7 (22 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Suppression of normal hematopoiesis during acute leukemias. Najman A, et al. **Ann N Y Acad Sci** 1991;628:140–7 (28 ref.)

The transforming growth factor-beta in the regulation of normal and leukemic myelopoiesis. Pinto A, et al. **Biotherapy** 1990;2(4):385–98 (65 ref.)

Immune-deficient mice as models of normal and leukemic human hematopoiesis. Dick JE. **Cancer Cells** 1991 Feb; 3(2):39–48 (68 ref.)

Leukemia and the disruption of normal hematopoiesis. Sawyers CL, et al. **Cell** 1991 Jan 25;64(2):337–50 (140 ref.)

RADIOTHERAPY

Cognitive deficits in children treated for leukaemia. Eiser C. **Arch Dis Child** 1991 Jan;66(1):164–8 (45 ref.)

Clinical basis for TBI fractionation. Cosset JM, et al. **Radiother Oncol** 1990;18 Suppl 1:60–7 (37 ref.)

SURGERY

Autologous bone marrow transplantation in hematological malignancies. Gorin NC. **Am J Clin Oncol** 1991;14 Suppl 1:S5–14 (18 ref.)

Ex vivo chemopurging of autologous bone marrow with 4-hydroperoxycyclophosphamide to eliminate occult leukemic cells. Laboratory and clinical observations. Yeager AM, et al. **Am J Pediatr Hematol Oncol** 1990 Fall; 12(3):245–56 (45 ref.)

Factors influencing remission post-BMT in patients with acute and chronic leukemia prepared with cyclophosphamide and total body irradiation (TBI). Bacigalupo A, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:62–3 (9 ref.)

Detection and significance of minimal residual disease in patients with leukaemia and lymphoma. Goldman JM, et al. **Bone Marrow Transplant** 1991;7 Suppl 1:66–9 (32 ref.)

Late complications after allogeneic bone marrow transplantation for leukaemia. Kolb HJ, et al. **Bone Marrow Transplant** 1990 Aug;6(2):61–72 (163 ref.)

The rationale of autologous bone marrow transplantation. Mandelli F, et al. **Bone Marrow Transplant** 1991;7 Suppl 2:66–7 (14 ref.)

Allogeneic bone marrow transplantation in children with acute leukemia: TBI is it necessary? Miniero R. **Bone Marrow Transplant** 1991;7 Suppl 3:37–40 (14 ref.)

How do BMTs cure leukaemia? New directions. Prentice HG. **Bone Marrow Transplant** 1991;7 Suppl 2:11–3 (29 ref.)

The graft versus leukemia effect: possible mechanisms and clinical significance to the biologic therapy of leukemia. Sosman JA, et al. **Bone Marrow Transplant** 1991;7 Suppl 1:33–7 (77 ref.)

T-cell depletion for bone marrow transplantation: effects on graft rejection, graft-versus-host disease, graft-versus-leukemia, and survival. Champlin RE. **Cancer Treat Res** 1990;50:99–111 (81 ref.)

Immunotoxins for ex vivo bone marrow purging in human bone marrow transplantation. Vallera DA. **Cancer Treat Res** 1988;37:515–35 (82 ref.)

Autologous transplantation in acute leukemias, including purging. Burnett AK. **Curr Opin Oncol** 1990 Apr;2(2):263–8 (17 ref.)

Autologous bone marrow transplantation in hematologic

malignancies. Jones RJ. **Curr Opin Oncol** 1991 Apr; 3(2):234–7 (23 ref.)
Bone marrow transplantation in hemopoietic malignancies. Messner HA. **Curr Opin Oncol** 1991 Apr;3(2):245–53 (89 ref.)
Allogeneic marrow transplantation in the acute leukemias. Storb R. **Curr Opin Oncol** 1990 Apr;2(2):250–7 (46 ref.)
Autologous blood stem cell transplantation in hematologic malignancies. Majolino I, et al. **Haematologica** 1990 Nov–Dec;75(6):555–66 (127 ref.)
Influence of conditioning on the outcome of allogeneic bone marrow transplantation. Gluckman E. **Int J Radiat Oncol Biol Phys** 1990 Nov;19(5):1325–7 (23 ref.)
Immunobiology of bone marrow transplantation as treatment for hematologic malignancies. Champlin R. **Transplant Proc** 1991 Aug;23(4):2123–7 (81 ref.)
[Autologous bone marrow transplantation for acute leukemia] Wang JM, et al. **Chung Hua Nei Ko Tsa Chih** 1991 Feb; 30(2):113–5 (22 ref.) **(Chi)**
[Autologous bone marrow transplantation in malignant hematologic diseases] Johnsen HE, et al. **Ugeskr Laeger** 1991 Jun 17;153(25):1790–3 (30 ref.) (Eng. Abstr.) **(Dan)**
[Is allogeneic bone marrow transplantation the first choice for acute leukemia in first remission? From chemotherapeutical point of view] Fukutani H, et al. **Rinsho Ketsueki** 1991 Apr;32(4):361–5 (15 ref.) (Eng. Abstr.) **(Jpn)**
[The role of bone marrow transplantation in the treatment of leukemia] Robak T. **Przegl Lek** 1990;47(10):723–7 (0 ref.) **(Pol)**

THERAPY

Ex vivo and conditioning chemotherapy for autologous bone marrow transplantation. Hervé P, et al. **Baillieres Clin Haematol** 1991 Jan;4(1):223–46 (97 ref.)
The use of the polymerase chain reaction for the detection of minimal residual malignant disease [editorial] Negrin RS, et al. **Blood** 1991 Jul 15;78(2):255–8 (30 ref.)
Leukemias and myeloma. Wiernik PH. **Cancer Chemother Biol Response Modif** 1990;11:321–42 (135 ref.)
Immunotoxins in the therapy of leukemias and lymphomas. Hertler AA, et al. **Cancer Invest** 1991;9(2):211–9 (69 ref.)
New therapeutic strategies in the treatment of murine diseases induced by virus and solid tumors: biology and implications for the potential treatment of human leukemia, AIDS, and solid tumors. Shen RN, et al. **Crit Rev Oncol Hematol** 1990; 10(3):253–65 (166 ref.)
Supportive care for patients with acute leukemia. Lee EJ. **Curr Opin Oncol** 1990 Feb;2(1):55–61 (24 ref.)
Peripheral blood stem cell transplantation as an alternative to bone marrow transplantation: an overview. Janakiraman N. **Henry Ford Hosp Med J** 1991;39(2):103–7 (29 ref.)
Total body irradiation regimens for marrow grafting. Thomas ED. **Int J Radiat Oncol Biol Phys** 1990 Nov;19(5):1285–8 (27 ref.)
Autologous bone marrow transplantation for hematologic cancer. Phillips GL. **Prog Clin Biol Res** 1990;354B:171–84 (30 ref.)
[Hematologic neoplasms: clinically latent—but needing treatment?] Huber H, et al. **Verh Dtsch Ges Inn Med** 1990; 96:138–47 (60 ref.) **(Ger)**
[Leukemia and malignant tumors] Kuramoto A. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):467–72 (8 ref.) **(Jpn)**
[Peripheral blood stem cell transplantation (PBSCT)] Ninomiya T, et al. **Nippon Rinsho** 1990 Dec;48(12):2951–60 (46 ref.) **(Jpn)**
[Bone marrow transplantation in leukemia and aplastic anemia in children] Ortega Aramburu JJ. **An Esp Pediatr** 1989 Sep;31 Suppl 39:103–9 (41 ref.) **(Spa)**

ULTRASONOGRAPHY

Ultrasound and ultrasonically guided biopsy in oncohematology. Buscarini L, et al. **Haematologica** 1991 Jan–Feb;76(1):53–64 (148 ref.)

VETERINARY

Genetic aspects of oncogenesis by murine leukemia viruses in wild mice. Kozak CA, et al. **Crit Rev Oncog** 1989; 1(2):127–44 (138 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the haematopoietic system. Ward JM, et al. **IARC Sci Publ** 1990;(99):625–57 (168 ref.)

LEUKEMIA, ADULT T-CELL see **LEUKEMIA, T-CELL**

LEUKEMIA, B-CELL, ACUTE

DRUG THERAPY

Primary treatment of childhood acute lymphoblastic leukemia of non-T cell lineage (including infants). Gaynon PS. **Hematol Oncol Clin North Am** 1990 Oct;4(5):915–36 (119 ref.)

GENETICS

Leukemia characterized by multiple sub-clones with unbalanced translocations involving different telomeric segments: case report and review of the literature. Shippey CA, et al. **Genes Chromosom Cancer** 1990 May;2(1):14–7 (17 ref.)
Translocations t(14;18) and t(8;14) with rearranged bcl-2 and c-myc in a case presenting as B-ALL (L3). Brito-Babapulle V, et al. **Leukemia** 1991 Jan;5(1):83–7 (36 ref.)
De novo acute B-cell leukemia with translocation t(14;18): an entity with a poor prognosis. Kramer MH, et al. **Leukemia** 1991 Jun;5(6):473–8 (23 ref.)

LEUKEMIA, B-CELL, CHRONIC

Chronic lymphocytic leukemia and hairy-cell leukemia. Cheson BD. **Curr Opin Oncol** 1991 Feb;3(1):54–62 (69 ref.)

COMPLICATIONS

[Treatment with cyclosporin A of the anemia associated with chronic lymphatic leukemia] Rozman M, et al. **Sangre (Barc)** 1990 Aug;35(4):321–5 (26 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

New purine analogues for the treatment of chronic B-cell malignancies. Gribbin TE. **Henry Ford Hosp Med J** 1991; 39(2):98–102 (33 ref.)
Recent advances in the treatment of B-cell chronic lymphocytic leukemia [see comments] Cheson BD. **Oncology (Williston Park)** 1990 Sep;4(9):71–8, 83–4; disc. 84, 87–8, 90 pass (78 ref.) Comment in: Oncology (Williston Park) 1991 Feb;5(2):12.

IMMUNOLOGY

Immunoregulatory cell dysfunction in chronic B-cell leukemias. Zaknoen SL, et al. **Blood Rev** 1990 Sep; 4(3):165–74 (123 ref.)
Evidence that the B lymphocyte proliferating in B-CLL and in other B-cell malignancies is frequently committed to production of natural autoantibodies. Dighiero G, et al. **Nouv Rev Fr Hematol** 1990;32(5):323–6 (27 ref.)
[Heterogeneity of surface antigens in chronic B-cell lymphoid leukemia] Pálóczi K, et al. **Orv Hetil** 1991 Jan 6;132(1):7–8, 11–3 (42 ref.) (Eng. Abstr.) **(Hun)**

LEUKEMIA, ERYTHROBLASTIC, ACUTE

PATHOLOGY

Friend virus-induced erythroleukemia and the multistage nature of cancer. Ben-David Y, et al. **Cell** 1991 Sep 6; 66(5):831–4 (24 ref.)

LEUKEMIA, EXPERIMENTAL

DRUG THERAPY

Immunotoxin therapy: assessment by animal models. Griffin TW, et al. **Cancer Treat Res** 1988;37:433–55 (56 ref.)
Ether lipids and derivatives as investigational anticancer drugs. A brief review. Berdel WE. **Onkologie** 1990 Aug; 13(4):245–50 (71 ref.)
Computer-assisted structure—antileukemic activity analysis of purines and their aza and deaza analogs. Narayanan VL, et al. **Prog Drug Res** 1990;34:319–41 (64 ref.)

IMMUNOLOGY

A murine retrovirus model for studies of the role of cofactors and ethanol in AIDS development. Watson RR. **NIDA Res Monogr** 1990;96:166–80 (22 ref.)
Graft-versus-leukaemia after bone marrow transplantation. Barret AJ. **Pediatr Med Chir** 1991 Jan–Feb;13(1):9–13 (23 ref.)

PATHOLOGY

[Active metabolites of vitamin D as regulators of the cell proliferation and differentiation process. III. Leukemic cells (review)] Pletsityi KD. **Vopr Med Khim** 1990 Nov–Dec; 36(6):51–6 (71 ref.) **(Rus)**

LEUKEMIA, GRANULOCYTIC see **LEUKEMIA, MYELOID**

LEUKEMIA, GRANULOCYTIC, CHRONIC see **LEUKEMIA, MYELOID, CHRONIC**

LEUKEMIA, GRANULOCYTIC, CHRONIC-PHASE see **LEUKEMIA, MYELOID, CHRONIC-PHASE**

LEUKEMIA, HAIRY CELL

Chronic lymphocytic leukemia and hairy-cell leukemia. Cheson BD. **Curr Opin Oncol** 1991 Feb;3(1):54–62 (69 ref.)

COMPLICATIONS

Community-acquired pneumonia caused by Legionella dumoffii in a patient with hairy cell leukemia. Fang GD, et al. **Infection** 1990 Nov–Dec;18(6):383–5 (24 ref.)

PATHOLOGY

[Variant hairy-cell leukemia: immunophenotypic and ultrastructural study of a case] Palomera L, et al. **Sangre (Barc)** 1991 Apr;36(2):135–9 (16 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

The current status of interferon alpha in haemic malignancy. Galvani DW, et al. **Blood Rev** 1990 Sep;4(3):175–80 (49 ref.)
Treatment of hairy-cell leukemia. Lill MC, et al. **Blood Rev** 1990 Dec;4(4):238–44 (49 ref.)
[Interferon and its use for treating hairy cell leukemia] Markov V. **Vutr Boles** 1990;29(3):34–40 (19 ref.) **(Bul)**
[The therapy of hairy-cell leukemia] Ho AD, et al. **Dtsch Med Wochenschr** 1990 Oct 12;115(41):1556–9 (17 ref.) **(Ger)**
[Interferons. Basic principles and use in clinic and general practice] Hündgen M, et al. **Med Monatsschr Pharm** 1991 Jun;14(6):164–73 (24 ref.) **(Ger)**
[Use of alpha-interferon in the treatment of hairy-cell leukemia] Pagnucco G, et al. **Haematologica** 1990 Jul–Aug; 75 Suppl 4:56–67 (90 ref.) **(Ita)**
[Hairy-cell leukemia as a model for studying the effects of interferon on the immune system] Semenzato G, et al. **Haematologica** 1990 Jul–Aug;75 Suppl 4:10–9 (87 ref.) **(Ita)**

LEUKEMIA, LYMPHOBLASTIC see **LEUKEMIA, LYMPHOCYTIC**

LEUKEMIA, LYMPHOBLASTIC, ACUTE see **LEUKEMIA, LYMPHOCYTIC, ACUTE**

LEUKEMIA, LYMPHOBLASTIC, ACUTE, L1 see **LEUKEMIA, LYMPHOCYTIC, ACUTE, L1**

LEUKEMIA, LYMPHOBLASTIC, ACUTE, L2 see **LEUKEMIA, LYMPHOCYTIC, ACUTE, L2**

LEUKEMIA, LYMPHOBLASTIC, ACUTE, T-CELL see **LEUKEMIA, T-CELL, ACUTE**

LEUKEMIA, LYMPHOBLASTIC, BURKITT-TYPE see **LEUKEMIA, B-CELL, ACUTE**

LEUKEMIA, LYMPHOBLASTIC, CHRONIC see **LEUKEMIA, LYMPHOCYTIC, CHRONIC**

LEUKEMIA, LYMPHOCYTIC

CLASSIFICATION

Lymphocytic leukemia and lymphomas. Drexler HG, et al. **Immunol Ser** 1990;53:243–64 (61 ref.)

COMPLICATIONS

Complications of leukemia. Berg SL, et al. **Pediatr Rev** 1991 Apr;12(10):313–8 (20 ref.)

DIAGNOSIS

Lineage-specific receptors in the diagnosis of malignant lymphomas and myelomonocytic neoplasms. Parwaresch MR, et al. **Curr Top Pathol** 1991;83:495–516 (78 ref.)

DRUG THERAPY

Fludarabine phosphate therapy in other lymphoid malignancies. Kantarjian HM, et al. **Semin Oncol** 1990 Oct; 17(5 Suppl 8):66–70 (18 ref.)

LEUKEMIA, LYMPHOCYTIC, ACUTE

Directions for future research in childhood lymphoblastic leukemia. Civin CI. **Hematol Oncol Clin North Am** 1990 Oct;4(5):1009–17 (0 ref.)
Invasive Chrysosporium infection of the nose and paranasal sinuses in an immunocompromised host. Levy FE, et al. **Otolaryngol Head Neck Surg** 1991 Mar;104(3):384–8 (10 ref.)

CLASSIFICATION

Immunologic classification of acute lymphoblastic leukemia. Cabrera ME. **Am J Pediatr Hematol Oncol** 1990 Fall; 12(3):283–91 (73 ref.)
A classification of acute leukaemia for the 1990s. Catovsky D, et al. **Ann Hematol** 1991 Feb;62(1):16–21 (38 ref.)
Current concerns in haematology. 2: Classification of acute leukaemia. Bain B, et al. **J Clin Pathol** 1990 Nov; 43(11):882–7 (46 ref.)

COMPLICATIONS

Vertebral compression fractures at the onset of acute lymphoblastic leukemia in a child. Oliveri MB, et al. **Henry Ford Hosp Med J** 1991;39(1):45–8 (34 ref.)
[Macular manifestations of acute lymphoblastic leukemia. A case report] Vangheluwe O, et al. **Bull Soc Ophtalmol Fr** 1990 Jun–Jul;90(6–7):677–82 (25 ref.) (Eng. Abstr.) **(Fre)**
[Relapses and complications of acute lymphoblastic leukemia

in childhood: a review of cases] Gonzálvez López LV, et al. **An Esp Pediatr** 1990 Nov;33(5):435–41 (36 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

The significance of phenotyping leukemias using monoclonal antibodies. Pombo-de-Oliveira MS, et al. **Braz J Med Biol Res** 1990;23(9):763–72 (38 ref.)

Detection of minimal residual leukemia in acute lymphoblastic leukemia. Lange BJ, et al. **Hematol Oncol Clin North Am** 1990 Oct;4(5):895–914 (119 ref.)

Review of the incidence and clinical relevance of myeloid antigen-positive acute lymphoblastic leukemia. Drexler HG, et al. **Leukemia** 1991 Aug;5(8):637–45 (86 ref.)

DRUG THERAPY

Etoposide in acute leukemia. Past experience and future perspectives. Ho AD, et al. **Cancer** 1991 Jan 1;67(1 Suppl):281–4 (33 ref.)

Methotrexate and childhood leukemia. Jonsson OG, et al. **Cancer Invest** 1991;9(1):53–60 (54 ref.)

Therapy for acute myeloid leukemia and acute lymphoblastic leukemia in adults. Geller RB, et al. **Curr Opin Oncol** 1991 Feb;3(1):30–8 (65 ref.)

Therapy for acute leukemias in children. Kalwinsky DK. **Curr Opin Oncol** 1991 Feb;3(1):39–43 (30 ref.)

Pharmacology and drug resistance in childhood lymphoblastic leukemia. Adamson PC, et al. **Hematol Oncol Clin North Am** 1990 Oct;4(5):871–94 (101 ref.)

Acute fatal myeloencephalopathy after combined intrathecal chemotherapy in a child with acute lymphoblastic leukemia. von der Weid NX, et al. **Med Pediatr Oncol** 1991; 19(3):192–8 (33 ref.)

[The regimen for corticosteroid use in acute lymphoblastic leukemia] Rass IT. **Ter Arkh** 1990;62(7):155–7 (45 ref.) **(Rus)**

EPIDEMIOLOGY

Problems in diagnosing and treating childhood hematopoietic malignancies in Cameroon, West Africa. Fosi-Mbantenkhu J. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):378–80 (0 ref.)

Leukaemia and paternal radiation exposure. Watson GM. **Med J Aust** 1991 Apr 1;154(7):483–7 (23 ref.)

ETIOLOGY

Secondary acute lymphoblastic leukaemia with 4:11 translocation following treatment for Hodgkin's disease: case report and review of the literature. Lennard A, et al. **Leukemia** 1991 Jul;5(7):624–7 (36 ref.)

[Progress in biology and therapy of acute lymphoblastic leukemia] Robak T. **Postepy Hig Med Dosw** 1989; 43(2–4):291–328 (147 ref.) (Eng. Abstr.) **(Pol)**

GENETICS

Biology and clinical significance of cytogenetic abnormalities in childhood acute lymphoblastic leukemia. Pui CH, et al. **Blood** 1990 Oct 15;76(8):1449–63 (222 ref.)

Molecular methods to detect the Philadelphia chromosome. Hooberman AL, et al. **Clin Lab Med** 1990 Dec;10(4):839–55 (53 ref.)

Philadelphia chromosome translocation. Groffen J, et al. **Crit Rev Oncog** 1989;1(1):53–64 (105 ref.)

Chromosomal abnormalities in adult non-endemic Burkitt's lymphoma and leukemia: 22 new reports and a review of 148 cases from the literature. Kornblau SM, et al. **Hematol Oncol** 1991 Mar–Apr;9(2):63–78 (80 ref.)

Cytogenetic abnormalities and molecular markers of acute lymphoblastic leukemia. Heerema NA. **Hematol Oncol Clin North Am** 1990 Aug;4(4):795–820 (151 ref.)

Trisomy 8 in acute lymphoblastic leukemia (ALL): a case report and update of the literature. Garipidou V, et al. **Leukemia** 1990 Oct;4(10):717–9 (18 ref.)

Clinical significance of the cytogenetics of acute leukemias. Machnicki JL, et al. **Oncology (Williston Park)** 1990 Oct; 4(10):23–30; discussion 35–6 (25 ref.)

[The role of HLA antigens class II in differentiation of normal and pathological B-lymphocytes. II. HLA-D expression in leukemia and non-Hodgkin's lymphoma] Pluta A. **Acta Haematol Pol** 1990 Jan–Jun;21(1):118–23 (37 ref.) **(Pol)**

PATHOLOGY

Ovarian tumors in relapsing acute lymphoblastic leukemia: a review of 23 cases. Pais RC, et al. **J Pediatr Surg** 1991 Jan;26(1):70–4 (24 ref.)

Intracranial lymphoblastic sarcoma mimicking a primary brain tumor. Kowal-Vern A, et al. **Pediatr Neurosci** 1989; 15(3):136–8 (8 ref.)

PREVENTION & CONTROL

Prevention of meningeal leukemia. Review of 20 years of research and current recommendations. Pochedly C. **Hematol Oncol Clin North Am** 1990 Oct;4(5):951–69 (43 ref.)

PSYCHOLOGY

Neuropsychologic (cognitive) disabilities in long-term survivors of childhood cancer. Gamis AS, et al. **Pediatrician** 1991;18(1):11–9 (60 ref.)

SURGERY

Autotransplants in acute leukaemia. Gale RP, et al. **Br J Haematol** 1991 May;78(1):135–7 (21 ref.)

Bone marrow transplantation in acute lymphoblastic leukemia. Gale RP, et al. **Cancer Treat Res** 1990;50:223–33 (49 ref.)

Role of bone marrow transplantation in childhood lymphoblastic leukemia. Johnson FL. **Hematol Oncol Clin North Am** 1990 Oct;4(5):997–1008 (36 ref.)

Autologous bone marrow transplantation with 4-hydroperoxycyclophosphamide-purged marrow for acute lymphoblastic leukemia. Gonzales-Chambers R, et al. **Med Pediatr Oncol** 1991;19(3):160–4 (33 ref.)

Purged autologous bone marrow transplantation in the treatment of acute leukemia. Gress RE. **Oncology (Williston Park)** 1990 Aug;4(8):35–40, 43; discussion 43–4, 47–8 (66 ref.)

THERAPY

Diagnosis and management of relapse in acute lymphoblastic leukemia. Buchanan GR. **Hematol Oncol Clin North Am** 1990 Oct;4(5):971–95 (100 ref.)

Late anaplastic gliomas in children previously treated for acute lymphoblastic leukemia. Shapiro S, et al. **Pediatr Neurosci** 1989;15(4):176–80 (59 ref.)

[Importance of the detection of minimal residual disease in the management of acute leukemia] Mód A, et al. **Orv Hetil** 1991 Jun 16;132(24):1291–6, 1299 (49 ref.) (Eng. Abstr.) **(Hun)**

LEUKEMIA, LYMPHOCYTIC, ACUTE, B-CELL see **LEUKEMIA, B-CELL, ACUTE**

LEUKEMIA, LYMPHOCYTIC, ACUTE, L1

BLOOD

Abnormal vitamin B6 status in childhood leukemia. Pais RC, et al. **Cancer** 1990 Dec 1;66(11):2421–8 (54 ref.)

Morphologic and cytochemical characteristics of childhood lymphoblastic leukemia. Behm FG. **Hematol Oncol Clin North Am** 1990 Aug;4(4):715–41 (150 ref.)

DRUG THERAPY

Acute leukemia in children. Kastan MB, et al. **Curr Opin Oncol** 1990 Feb;2(1):34–40 (38 ref.)

Second intracranial neoplasms following treatment of childhood acute lymphoblastic leukaemia. Vowels MR, et al. **J Paediatr Child Health** 1991 Feb;27(1):43–6 (36 ref.)

ETIOLOGY

Etiology of childhood leukemia: a possible alternative to the Greaves hypothesis. Stewart A. **Leuk Res** 1990; 14(11–12):937–9 (12 ref.)

GENETICS

Cytogenetic abnormalities in childhood acute lymphoblastic leukemia. Rubin CM, et al. **Am J Pediatr Hematol Oncol** 1991 Summer;13(2):202–16 (129 ref.)

IMMUNOLOGY

Immunologic markers in childhood acute lymphoblastic leukemia. Borowitz MJ. **Hematol Oncol Clin North Am** 1990 Aug;4(4):743–65 (92 ref.)

Ontogeny of normal human B-cell and T-cell precursors and its relation to leukemogenesis. LeBien TW, et al. **Hematol Oncol Clin North Am** 1990 Aug;4(4):835–47 (62 ref.)

PATHOLOGY

Testicular relapse of acute lymphoblastic leukemia (ALL). Ritzén EM. **J Reprod Immunol** 1990 Aug;18(1):117–21 (12 ref.)

THERAPY

Acute lymphocytic leukemia in children: recent progress and future prospects. Mauer AM. **Acta Paediatr Jpn** 1990 Oct; 32(5):479–84 (37 ref.)

LEUKEMIA, LYMPHOCYTIC, ACUTE, L2

DRUG THERAPY

Chemotherapy of adult acute lymphoblastic leukaemia. Stryckmans P, et al. **Baillieres Clin Haematol** 1991 Jan; 4(1):115–30 (69 ref.)

Therapy for acute leukemia in adults. Dutcher JP. **Curr Opin Oncol** 1990 Feb;2(1):41–8 (26 ref.)

LEUKEMIA, LYMPHOCYTIC, ACUTE, MIXED-CELL see **LEUKEMIA, MIXED-CELL**

LEUKEMIA, LYMPHOCYTIC, ACUTE, T-CELL see **LEUKEMIA, T-CELL, ACUTE**

LEUKEMIA, LYMPHOCYTIC, CHRONIC

COMPLICATIONS

Genotypic analyses of Richter's syndrome. Bernard DJ, et al. **Cancer** 1991 Feb 15;67(4):997–1002 (27 ref.)

Focal Candida hepatitis in a patient with Richter's syndrome. Barone JG, et al. **N J Med** 1990 Sep;87(9):727–9 (14 ref.)

[Acquired erythroblastopenia] Varet B, et al. **Rev Med Interne** 1989 Nov–Dec;10(6):537–40 (69 ref.) **(Fre)**

DRUG THERAPY

Methodological aspects of a clinical trial in chronic lymphocytic leukemia: necessity to develop new biostatistical methods. Chevret S, et al. **Nouv Rev Fr Hematol** 1990;32(5):327–31 (21 ref.)

Fludarabine phosphate in the treatment of chronic lymphocytic leukemia. Keating MJ. **Semin Oncol** 1990 Oct; 17(5 Suppl 8):49–62 (59 ref.)

ETIOLOGY

[Simultaneous chronic lymphatic leukemia and multiple myeloma: a common clonal origin? (letter)] Barón JM, et al. **Med Clin (Barc)** 1990 Sep 29;95(10):397 (7 ref.) **(Spa)**

GENETICS

[Richter's syndrome with identical immunoglobulin gene rearrangements] Ozaki S, et al. **Rinsho Ketsueki** 1991 Apr; 32(4):419–23 (13 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Bone marrow transplantation for chronic lymphocytic leukemia. Bandini G, et al. **Bone Marrow Transplant** 1991 Apr;7(4):251–3 (17 ref.)

THERAPY

Use of intravenous immunoglobulin in chronic lymphocytic leukemia. A brief review. Dicato M, et al. **Cancer** 1991 Sep 15;68(6 Suppl):1437–9 (11 ref.)

LEUKEMIA, LYMPHOCYTIC, CHRONIC, B-CELL see **LEUKEMIA, B-CELL, CHRONIC**

LEUKEMIA, LYMPHOCYTIC, CHRONIC, T-CELL see **LEUKEMIA, T-CELL, CHRONIC**

LEUKEMIA, LYMPHOCYTIC, L3 see **LEUKEMIA, B-CELL, ACUTE**

LEUKEMIA, LYMPHOCYTIC, T-CELL see **LEUKEMIA, T-CELL**

LEUKEMIA, LYMPHOID see **LEUKEMIA, LYMPHOCYTIC**

LEUKEMIA-LYMPHOMA, ADULT T-CELL see **LEUKEMIA-LYMPHOMA, T-CELL, ACUTE, HTLV-I-ASSOCIATED**

LEUKEMIA-LYMPHOMA, T-CELL, ACUTE, HTLV-I-ASSOCIATED

METABOLISM

[Biomolecular aspects of adult T-cell leukemia] Takatsuki K, et al. **Gan To Kagaku Ryoho** 1991 Jun;18(7):1112–7 (16 ref.) (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Human lymphotropic viruses associated with lymphoid malignancy: Epstein-Barr and HTLV-1. Ambinder RF. **Hematol Oncol Clin North Am** 1990 Aug;4(4):821–33 (49 ref.)

The first human retroviruses: are there others? Gallo RC, et al. **Microbiol Sci** 1985;2(4):97–8, 101–4 (66 ref.)

PATHOLOGY

Comparative study of cutaneous T-cell lymphoma and adult T-cell leukemia/lymphoma. Clinical, histopathologic, and immunohistochemical analyses. Nagatani T, et al. **Cancer** 1990 Dec 1;66(11):2380–6 (34 ref.)

Pathology and immunology of adult T-cell leukemia/lymphoma. Davey FR, et al. **Curr Opin Oncol** 1991 Feb;3(1):13–20 (48 ref.)

THERAPY

Role of biological response modifiers in

immunochemotherapy of solid tumors and retroviral-induced leukemia. Fuggetta MP, et al. **Ann Ist Super Sanita** 1990;26(3-4):385-95 (86 ref.)

LEUKEMIA-LYMPHOMA VIRUS I ANTIBODIES, HUMAN T-CELL see **HTLV-I ANTIBODIES**

LEUKEMIA, MEGAKARYOBLASTIC, ACUTE see **LEUKEMIA, MEGAKARYOCYTIC, ACUTE**

LEUKEMIA, MEGAKARYOCYTIC see **THROMBOCYTHEMIA, HEMORRHAGIC**

LEUKEMIA, MEGAKARYOCYTIC, ACUTE

EPIDEMIOLOGY

Megakaryoblastic leukemia and Down's syndrome: a review. Zipursky A, et al. **Pediatr Hematol Oncol** 1987;4(3):211-30 (53 ref.)

LEUKEMIA, MIXED, B- AND T-CELL see **LEUKEMIA, MIXED-CELL**

LEUKEMIA, MIXED-CELL

IMMUNOLOGY

Mixed-lineage leukemia and asynchronous antigen expression. Hurwitz CA, et al. **Hematol Oncol Clin North Am** 1990 Aug;4(4):767-94 (174 ref.)

LEUKEMIA, MONOBLASTIC, ACUTE see **LEUKEMIA, MONOCYTIC, ACUTE**

LEUKEMIA, MONOCYTIC, ACUTE

The human leukemia cell line, THP-1: a multifacetted model for the study of monocyte-macrophage differentiation. Auwerx J. **Experientia** 1991 Jan 15;47(1):22-31 (114 ref.)

[Spontaneous complete remission in a patient with acute monocytic leukemia] Okagawa K, et al. **Rinsho Ketsueki** 1990 Nov;31(11):1872-7 (15 ref.) (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Epipodophyllotoxin-related leukemia. Identification of a new subset of secondary leukemia. Whitlock JA, et al. **Cancer** 1991 Aug 1;68(3):600-4 (45 ref.)

Implication of prior treatment with drug combinations including inhibitors of topoisomerase II in therapy-related monocytic leukemia with a 9;11 translocation. Albain KS, et al. **Genes Chromosom Cancer** 1990 May;2(1):53-8 (42 ref.)

COMPLICATIONS

[Bilateral serous detachment of neuroepithelium of the posterior pole disclosing acute leukemia] Riss JM, et al. **J Fr Ophtalmol** 1990;13(11-12):563-8 (29 ref.) (Eng. Abstr.) **(Fre)**

LEUKEMIA, MYELOBLASTIC, ACUTE see **LEUKEMIA, MYELOCYTIC, ACUTE**

LEUKEMIA, MYELOCYTIC see **LEUKEMIA, MYELOID**

LEUKEMIA, MYELOCYTIC, ACUTE

The use of cytochemical procedures in the diagnosis and management of acute and chronic myeloid leukemia. Elghetany MT, et al. **Clin Lab Med** 1990 Dec;10(4):707-20 (86 ref.)

BLOOD

[Early complications and treatment of marked blastic hyperleukocytosis in children with leukemia] Kubiczek K, et al. **Pol Tyg Lek** 1989 Oct 2-16;44(40-42):889-91 (24 ref.) **(Pol)**

CLASSIFICATION

A classification of acute leukaemia for the 1990s. Catovsky D, et al. **Ann Hematol** 1991 Feb;62(1):16-21 (38 ref.)

Classifications of acute myeloid leukemia. Goasguen JE, et al. **Clin Lab Med** 1990 Dec;10(4):661-81 (88 ref.)

Current concerns in haematology. 2: Classification of acute leukaemia. Bain B, et al. **J Clin Pathol** 1990 Nov; 43(11):882-7 (46 ref.)

A biological hypothesis for the FAB classification of acute myeloid leukaemias. Hassan HT, et al. **Med Hypotheses** 1991 Jun;35(2):73-6 (39 ref.)

COMPLICATIONS

[Typhlitis as a complication of acute leukemia] Horváth T, et al. **Orv Hetil** 1991 Jul 28;132(30):1653-5 (28 ref.) (Eng. Abstr.) **(Hun)**

[Zygomycosis caused by Cunninghamella bertholletiae] Chiba N, et al. **Rinsho Byori** 1990 Nov;38(11):1219-25 (16 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

The significance of phenotyping leukemias using monoclonal antibodies. Pombo-de-Oliveira MS, et al. **Braz J Med Biol Res** 1990;23(9):763-72 (38 ref.)

DRUG THERAPY

Cytosine arabinoside in the treatment of acute myeloid leukemia: the role and place of high-dose regimens. Hiddemann W. **Ann Hematol** 1991 Apr;62(4):119-28 (123 ref.)

Chemotherapy of acute myelogenous leukaemia. Marie JP, et al. **Baillieres Clin Haematol** 1991 Jan;4(1):97-113 (118 ref.)

Determinants of response and prediction of response to chemotherapy in acute myelogenous leukemia. Preisler HD. **Baillieres Clin Haematol** 1991 Jan;4(1):69-96 (75 ref.)

Etoposide in acute leukemia. Past experience and future perspectives. Ho AD, et al. **Cancer** 1991 Jan 1;67(1 Suppl):281-4 (33 ref.)

Therapy for acute myeloid leukemia and acute lymphoblastic leukemia in adults. Geller RB, et al. **Curr Opin Oncol** 1991 Feb;3(1):30-8 (65 ref.)

Therapy for acute leukemias in children. Kalwinsky DK. **Curr Opin Oncol** 1991 Feb;3(1):39-43 (30 ref.)

Acute leukemia in children. Kastan MB, et al. **Curr Opin Oncol** 1990 Feb;2(1):34-40 (38 ref.)

Cellular and pharmacologic aspects of drug resistance in acute myeloid leukemia. Ross DD. **Curr Opin Oncol** 1991 Feb;3(1):21-9 (38 ref.)

Failure of mithramycin to control the myeloid blast phase of chronic granulocytic leukemia: a report on nine patients and review of the literature. Johnson PR, et al. **Hematol Oncol** 1991 Jan-Feb;9(1):9-15 (17 ref.)

Differentiation of myeloid leukemic cells induced by high-dose methylprednisolone in patients with acute myeloblastic leukemia and its therapeutic potential. Hicsonmez G, et al. **Leuk Res** 1991;15(7):537-41 (78 ref.)

[Recent advances in the understanding and management of acute myeloid leukemia] Lishner M, et al. **Harefuah** 1990 Dec 2;119(11):375-8 (45 ref.) **(Heb)**

[Acute myeloid leukemias in elderly patients] Parovichnikova EN, et al. **Ter Arkh** 1990;62(7):148-54 (95 ref.) **(Rus)**

EPIDEMIOLOGY

Problems in diagnosing and treating childhood hematopoietic malignancies in Cameroon, West Africa. Fosi-Mbantenkhu J. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):378-80 (0 ref.)

GENETICS

Chromosomal abnormalities in myelodysplastic syndromes and acute myeloid leukemia. Machnicki JL, et al. **Clin Lab Med** 1990 Dec;10(4):755-67 (43 ref.)

The molecular biology of acute myeloid leukemia. Proto-oncogene expression and function in normal and neoplastic myeloid cells. Willman CL, et al. **Clin Lab Med** 1990 Dec;10(4):769-96 (126 ref.)

Associated leukemia and mixed germ cell tumor in a patient with gonadal dysgenesis. Kaplan SS, et al. **Int J Gynaecol Obstet** 1991 May;35(1):83-8 (19 ref.)

[Activation of ras oncogene in myelodysplastic syndrome and acute myelogenous leukemia] Hirai H, et al. **Gan To Kagaku Ryoho** 1991 Jun;18(7):1090-7 (13 ref.) (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Immunophenotyping of acute myeloid leukemia cells. Ball ED. **Clin Lab Med** 1990 Dec;10(4):721-36 (98 ref.)

PATHOLOGY

The clinical significance of biological characteristics of the cells in acute myeloid leukemia. Baer MR, et al. **Annu Rev Med** 1991;42:381-9 (46 ref.)

Growth regulation of malignant clonogenic cells in acute myeloid leukemia. Cannistra SA. **Curr Opin Oncol** 1991 Feb;3(1):4-12 (43 ref.)

[Essential thrombocythemia transformed to acute myeloblastic leukemia] Okuda M, et al. **Rinsho Ketsueki** 1990 Oct;31(10):1689-93 (14 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Are new conditioning regimens for transplants in acute myelogenous leukemia better? Aurer I, et al. **Bone Marrow Transplant** 1991 Apr;7(4):255-61 (47 ref.)

Is marrow purging necessary or clinically useful? Keating A. **Bone Marrow Transplant** 1991;7 Suppl 1:61-5 (28 ref.)

Role and perspectives of BMT in AML: the BFM experience. Klingebiel T, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:66-70 (23 ref.)

Autotransplants in acute leukaemia. Gale RP, et al. **Br J Haematol** 1991 May;78(1):135-7 (21 ref.)

THERAPY

Further thoughts on 'cell kill' in acute leukemia. Arlin ZA, et al. **Acta Haematol** 1991;85(1):1-5 (23 ref.)

How to avoid bias when comparing bone marrow transplantation with chemotherapy. Gray R, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:9-12 (0 ref.)

The influence of growth regulation on treatment strategy for acute myeloblastic leukaemia. McCulloch EA, et al. **Cancer Surv** 1990;9(1):169-98 (166 ref.)

Hemopoietic growth factors in the treatment of acute leukemias and myelodysplastic syndromes. Seipelt G, et al. **Recent Results Cancer Res** 1991;121:141-54 (44 ref.)

[Importance of the detection of minimal residual disease in the management of acute leukemia] Mód A, et al. **Orv Hetil** 1991 Jun 16;132(24):1291-6, 1299 (49 ref.) (Eng. Abstr.) **(Hun)**

LEUKEMIA, MYELOCYTIC, CHRONIC see **LEUKEMIA, MYELOID, CHRONIC**

LEUKEMIA, MYELOGENOUS see **LEUKEMIA, MYELOID**

LEUKEMIA, MYELOGENOUS, ACUTE see **LEUKEMIA, MYELOCYTIC, ACUTE**

LEUKEMIA, MYELOGENOUS, CHRONIC see **LEUKEMIA, MYELOID, CHRONIC**

LEUKEMIA, MYELOGENOUS, CHRONIC-PHASE see **LEUKEMIA, MYELOID, CHRONIC-PHASE**

LEUKEMIA, MYELOGENOUS, PH1-NEGATIVE see **LEUKEMIA, MYELOID, PHILADELPHIA-NEGATIVE**

LEUKEMIA, MYELOGENOUS, PH1-POSITIVE see **LEUKEMIA, MYELOID, PHILADELPHIA-POSITIVE**

LEUKEMIA, MYELOID

Granulocytic sarcoma. Hutchison RE, et al. **Clin Lab Med** 1990 Dec;10(4):889-901 (66 ref.)

[Gynecologic and breast granulocytic sarcomas. Review of the literature. Apropos of a case in the cervix uteri] Desablens B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1990;19(7):857-61 (43 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Lineage-specific receptors in the diagnosis of malignant lymphomas and myelomonocytic neoplasms. Parwaresch MR, et al. **Curr Top Pathol** 1991;83:495-516 (78 ref.)

[Granulocytic sarcoma. Apropos of a case] Robert Y, et al. **Ann Radiol (Paris)** 1991;34(1-2):135-8 (19 ref.) (Eng. Abstr.) **(Fre)**

[Cerebral granulocytic sarcoma disclosing acute non-lymphoblastic leukemia] Millot F, et al. **Arch Fr Pediatr** 1991 Feb;48(2):123-5 (7 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Granulocytic sarcoma in myelodysplastic syndromes: clinical marker of disease acceleration [letter] List AF, et al. **Am J Med** 1991 Feb;90(2):274-6 (19 ref.)

Development of acute myelocytic leukemia in patients with Crohn's disease. Halme L, et al. **Dig Dis Sci** 1990 Dec; 35(12):1553-6 (10 ref.)

GENETICS

Expression and regulation of myeloid-specific genes in normal and leukemic myeloid cells. Lübbert M, et al. **Blood** 1991 Mar 1;77(5):909-24 (207 ref.)

Clinical significance of the cytogenetics of acute leukemias. Machnicki JL, et al. **Oncology (Williston Park)** 1990 Oct; 4(10):23-30; discussion 35-6 (25 ref.)

Oncogene involvement in myelodysplasia and acute myeloid leukemia. Sheridan BL, et al. **Tumour Biol** 1990;11 Suppl 1:44-58 (124 ref.)

[Molecular aspects of proliferation and differentiation of human myeloid leukemia cell HL-60] Yamada M, et al. **Tanpakushitsu Kakusan Koso** 1991 Jan;36(1):41-53 (99 ref.) **(Jpn)**

METABOLISM

Features of the initial metabolism of 1-beta-D-arabinofuranosylcytosine in human myeloid leukemic cells. Mejer JN. **Dan Med Bull** 1991 Feb; 38(1):77-84 (95 ref.)

PATHOLOGY

Differentiation of myeloid leukemic cells induced by high-dose methylprednisolone in patients with acute myeloblastic leukemia and its therapeutic potential. Hicsonmez G, et al. **Leuk Res** 1991;15(7):537-41 (78 ref.)

Cardiac relapses in myeloid leukemia: case report and review of the literature. Jankovic M, et al. **Pediatr Hematol Oncol** 1987;4(3):237-45 (21 ref.)

RADIOGRAPHY

Pleural granulocytic sarcoma: CT characteristics. Lee MJ, et al. **Clin Radiol** 1991 Jan;43(1):57-9 (11 ref.)

THERAPY

Granulocytic sarcoma of the ileum treated by bone marrow transplantation. Kowal-Vern A, et al. **Am J Pediatr Hematol Oncol** 1991 Spring;13(1):34-8 (17

ref.)
Disseminated Trichosporon capitatum infection in a patient with acute leukemia undergoing bone marrow transplantation. Liu KL, et al. **Bone Marrow Transplant** 1990 Sep;6(3):219–21 (25 ref.)

LEUKEMIA, MYELOID, ACUTE, M1 see **LEUKEMIA, MYELOCYTIC, ACUTE**

LEUKEMIA, MYELOID, ACUTE, M2 see **LEUKEMIA, MYELOCYTIC, ACUTE**

LEUKEMIA, MYELOID, ACUTE, M3 see **LEUKEMIA, PROMYELOCYTIC, ACUTE**

LEUKEMIA, MYELOID, ACUTE, M5 see **LEUKEMIA, MONOCYTIC, ACUTE**

LEUKEMIA, MYELOID, ACUTE, M6 see **LEUKEMIA, ERYTHROBLASTIC, ACUTE**

LEUKEMIA, MYELOID, ACUTE, M7 see **LEUKEMIA, MEGAKARYOCYTIC, ACUTE**

LEUKEMIA, MYELOID, CHRONIC

The use of cytochemical procedures in the diagnosis and management of acute and chronic myeloid leukemia. Elghetany MT, et al. **Clin Lab Med** 1990 Dec;10(4):707–20 (86 ref.)
Myeloproliferative disorders. Classification and diagnostic features with special emphasis on chronic myelogenous leukemia and agnogenic myeloid metaplasia. Hyun BH, et al. **Clin Lab Med** 1990 Dec;10(4):825–38 (69 ref.)

BLOOD

Abnormalities of the erythrocyte membrane in chronic myelogenous leukemia. Basu J, et al.
Biotechnol Appl Biochem 1990 Oct;12(5):501–5 (40 ref.)

DIAGNOSIS

Blastic phase of chronic myeloid leukemia (blCML): a proposal for standardization of diagnostic and response criteria. Arlin ZA, et al. **Leukemia** 1990 Nov;4(11):755–7 (21 ref.)

DRUG THERAPY

[Busulfan lung exacerbated during steroid therapy: a review of Japanese literature] Kobayashi S, et al.
Rinsho Ketsueki 1990 Nov;31(11):1884–8 (15 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

Occurrence of high-grade T-cell lymphoma in a patient with Philadelphia chromosome-negative chronic myelogenous leukemia with breakpoint cluster region rearrangement: case report and review of the literature. Djulbegović B, et al. **Am J Hematol** 1991 Jan;36(1):63–4 (9 ref.)
Oncogenes and cancer: clinical applications. Fishleder AJ. **Cleve Clin J Med** 1990 Nov–Dec;57(8):721–6 (35 ref.)
Molecular methods to detect the Philadelphia chromosome. Hooberman AL, et al. **Clin Lab Med** 1990 Dec;10(4):839–55 (53 ref.)
Molecular biology and treatment of chronic myelogenous leukemia. Goldman JM. **Curr Opin Oncol** 1990 Feb; 2(1):49–54 (31 ref.)
Chronic myelogenous leukemia: molecule to man. Gale RP. **Henry Ford Hosp Med J** 1991;39(2):108–11 (30 ref.)
Application of the polymerase chain reaction for detection of minimal residual disease of hematologic malignancies. Roth MS, et al. **Henry Ford Hosp Med J** 1991;39(2):112–6 (38 ref.)
Clinical and prognostic implications of chromosome 5q deletions: 96 high resolution studied patients. Pedersen B, et al. **Leukemia** 1991 Jul;5(7):566–73 (25 ref.)
Chromosome abnormalities in chronic myeloid leukaemia. A model for acquired chromosome changes in haematological malignancy. Dubé ID, et al.
Tumour Biol 1990;11 Suppl 1:3–24 (151 ref.)
[Chronic myeloid leukemia: from cytogenetics to molecular biology] Aissaoui Z, et al. **Rev Med Interne** 1990 Jul–Aug; 11(4):308–12 (33 ref.) (Eng. Abstr.) **(Fre)**
[Prominent lymphadenopathy and double Ph1 chromosomes as initial and recurrent manifestations of chronic myelogenous leukemia in blast crisis: report of a case and review of the literature] Sakai C, et al. **Rinsho Ketsueki** 1990 Sep;31(9):1506–11 (18 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Growth control in leukemia. Eaves AC, et al.
Prog Clin Biol Res 1990;354A:223–36 (47 ref.)
Stem cell origin of human myeloid blood cell neoplasms. Fialkow PJ. **Verh Dtsch Ges Pathol** 1990;74:43–7 (33 ref.)

SURGERY

Bone marrow transplantation for chronic myeloid leukaemia. Goldman JM. **Bone Marrow Transplant** 1991;7 Suppl 2:62–3 (7 ref.)
Therapy of chronic myelogenous leukemia with bone marrow transplantation. McGlave PB. **Cancer Treat Res** 1990;50:235–58 (157 ref.)
Bone marrow transplantation for chronic myelogenous leukemia. Champlin R. **Curr Opin Oncol** 1990 Apr; 2(2):258–62 (22 ref.)
Bone marrow transplantation for chronic myelogenous leukemia. Cunningham I. **Oncology (Williston Park)** 1990 Nov;4(11):101–8; discussion 108, 111 (41 ref.)

THERAPY

The current status of interferon alpha in haemic malignancy. Galvani DW, et al. **Blood Rev** 1990 Sep;4(3):175–80 (49 ref.)

LEUKEMIA, MYELOID, CHRONIC-PHASE

GENETICS

Does the breakpoint within the major breakpoint cluster region (M-bcr) influence the duration of the chronic phase in chronic myeloid leukemia? An analytical comparison of current literature. Mills KI, et al. **Blood** 1991 Sep 1; 78(5):1155–61 (20 ref.)

LEUKEMIA, MYELOID, PH1-NEGATIVE see **LEUKEMIA, MYELOID, PHILADELPHIA-NEGATIVE**

LEUKEMIA, MYELOID, PH1-POSITIVE see **LEUKEMIA, MYELOID, PHILADELPHIA-POSITIVE**

LEUKEMIA, MYELOID, PHILADELPHIA-NEGATIVE

see related
PHILADELPHIA CHROMOSOME

GENETICS

Review of clinical, cytogenetic, and molecular aspects of Ph-negative CML. van der Plas DC, et al.
Cancer Genet Cytogenet 1991 Apr;52(2):143–56 (67 ref.)
Complex translocations, simple variant translocations and Ph-negative cases in chronic myelogenous leukaemia. Huret JL. **Hum Genet** 1990 Oct;85(6):565–8 (39 ref.)

LEUKEMIA, MYELOID, PHILADELPHIA-POSITIVE

see related
PHILADELPHIA CHROMOSOME

DIAGNOSIS

[Analysis of Ph1-positive leukemia by PCR] Hirai H, et al. **Rinsho Ketsueki** 1991 Apr;32(4):319–26 (19 ref.) (Eng. Abstr.) **(Jpn)**

ETIOLOGY

[Pathogenetic mechanisms of chronic myeloid leukemia and the antiproliferative effects of alpha and gamma interferons] Cazzola M, et al. **Haematologica** 1990 Jul–Aug;75 Suppl 4:20–7 (52 ref.) **(Ita)**

GENETICS

Molecular insights into the Philadelphia translocation. Heisterkamp N, et al. **Hematol Pathol** 1991;5(1):1–10 (81 ref.)
[Cytogenetic and clinical features of Philadelphia chromosome positive leukemias] Becher R, et al.
Verh Dtsch Ges Pathol 1990;74:36–42 (31 ref.) (Eng. Abstr.) **(Ger)**
[Prominent lymphadenopathy and double Ph1 chromosomes as initial and recurrent manifestations of chronic myelogenous leukemia in blast crisis: report of a case and review of the literature] Sakai C, et al. **Rinsho Ketsueki** 1990 Sep;31(9):1506–11 (18 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Basophilic crisis in chronic myelogenous leukemia: case report and literature review in Japan. Yamauchi K, et al. **Jpn J Med** 1990 May–Jun;29(3):334–40 (27 ref.)

SURGERY

Cytogenetic events after bone marrow transplantation for Philadelphia chromosome positive chronic myeloid leukemia. Zaccaria A, et al. **Leuk Res** 1991;15(5):289–96 (91 ref.)

THERAPY

Alpha interferon: perspectives in the biotherapy of chronic myelogenous leukemia. Terebelo HR.
Oncol Nurs Forum 1991 Jan–Feb;18(1 Suppl):5–9 (31 ref.)
[Interferon in the treatment of Philadelphia-positive chronic myeloid leukemia] Morra E, et al. **Haematologica** 1990 Jul–Aug;75 Suppl 4:33–40 (54 ref.) **(Ita)**

LEUKEMIA, MYELOID, SCHILLING-TYPE see **LEUKEMIA, MONOCYTIC, ACUTE**

LEUKEMIA, MYELOID, STABLE-PHASE see **LEUKEMIA, MYELOID, CHRONIC-PHASE**

LEUKEMIA, MYELOMONOCYTIC, CHRONIC

PATHOLOGY

[Clinical study on heterogeneity of chronic myelomonocytic leukemia] Kurata H, et al. **Rinsho Ketsueki** 1990 Dec; 31(12):1906–13 (21 ref.) (Eng. Abstr.) **(Jpn)**

LEUKEMIA, NEUTROPHILIC, CHRONIC

DIAGNOSIS

Chronic neutrophilic leukemia--report of a case and review of the literature. Wang JS, et al.
Chung Hua I Hsueh Tsa Chih 1990 Aug;46(2):109–12 (23 ref.)

LEUKEMIA, NONLYMPHOBLASTIC, ACUTE see **LEUKEMIA, NONLYMPHOCYTIC, ACUTE**

LEUKEMIA, NONLYMPHOCYTIC, ACUTE

Testicular relapse in children with acute nonlymphoblastic leukemia. Furman WL, et al. **Cancer** 1990 Nov 15; 66(10):2095–8 (32 ref.)

DIAGNOSIS

Immunodiagnosis of acute nonlymphocytic leukemia. Hurwitz CA, et al. **Immunol Ser** 1990;53:265–87 (126 ref.)
[Cerebral granulocytic sarcoma disclosing acute non-lymphoblastic leukemia] Millot F, et al.
Arch Fr Pediatr 1991 Feb;48(2):123–5 (7 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Etoposide in leukemia. Bishop JF, et al. **Cancer** 1991 Jan 1;67(1 Suppl):285–91 (53 ref.)
Therapy for acute leukemia in adults. Dutcher JP.
Curr Opin Oncol 1990 Feb;2(1):41–8 (26 ref.)
Rationales for a pharmacologically optimized treatment of acute nonlymphocytic leukemia with cytosine arabinoside. Heinemann V, et al. **Leukemia** 1990 Nov;4(11):790–6 (110 ref.)
Etoposide in the management of leukemia: a review. Bishop JF. **Semin Oncol** 1991 Feb;18(1 Suppl 2):62–9 (53 ref.)

GENETICS

Trisomy 8 and an unbalanced t(5;17)(q11;p11) characterize two karyotypically independent clones in a case of idiopathic myelofibrosis evolving to acute nonlymphoid leukemia. Kerim S, et al. **Cancer Genet Cytogenet** 1991 Mar; 52(1):63–9 (26 ref.)
Clinical and prognostic implications of chromosome 5q deletions: 96 high resolution studied patients. Pedersen B, et al. **Leukemia** 1991 Jul;5(7):566–73 (25 ref.)

IMMUNOLOGY

Heterogeneity among the acute nonlymphocytic leukemias: value of immunophenotype for diagnosis, prognosis, and therapy. Kamps WA, et al. **Pediatr Hematol Oncol** 1988; 5(1):17–28 (73 ref.)

PATHOLOGY

Clonal remissions in acute nonlymphocytic leukemia: evidence for a multistep pathogenesis of the malignancy. Fialkow PJ, et al. **Blood** 1991 Apr 1;77(7):1415–7 (15 ref.)
Stem cell origin of human myeloid blood cell neoplasms. Fialkow PJ. **Verh Dtsch Ges Pathol** 1990;74:43–7 (33 ref.)

SURGERY

Bone marrow transplantation for acute nonlymphocytic leukemia (ANL). Appelbaum FR. **Cancer Treat Res** 1990; 50:201–22 (88 ref.)
Purged autologous bone marrow transplantation in the treatment of acute leukemia. Gress RE.
Oncology (Williston Park) 1990 Aug;4(8):35–40, 43; discussion 43–4, 47–8 (66 ref.)

LEUKEMIA, PLASMA CELL see **LEUKEMIA, PLASMACYTIC**

LEUKEMIA, PLASMACYTIC

DRUG THERAPY

[Primary plasma cell leukemia--a comprehensive analysis of 44 cases] Cai ZJ. **Chung Hua Chung Liu Tsa Chih** 1990 Jul;12(4):314–7 (8 ref.) (Eng. Abstr.) **(Chi)**

GENETICS

Similar cytogenetic abnormalities in two cases of plasma cell leukemia [see comments] Smadja N, et al.
Cancer Genet Cytogenet 1991 Mar;52(1):123–9 (27 ref.)

LEUKEMIA, PLASMACYTIC

Comment in: Cancer Genet Cytogenet 1991 Mar;52(1):135–8.

LEUKEMIA, PROGRANULOCYTIC see **LEUKEMIA, PROMYELOCYTIC, ACUTE**

LEUKEMIA, PROMYELOCYTIC, ACUTE

The unique aspects of acute promyelocytic leukemia. Stone RM, et al. **J Clin Oncol** 1990 Nov;8(11):1913–21 (101 ref.)

COMPLICATIONS

Acute promyelocytic leukemia in Crohn's disease. Case report and review of the literature. Orii S, et al. **J Clin Gastroenterol** 1991 Jun;13(3):325–7 (10 ref.)

[Pneumopyopericardium] Furtado A, et al. **Acta Med Port** 1990 Jul–Aug;3(4):245–7 (9 ref.) (Eng. Abstr.) **(Por)**

CONGENITAL

[Congenital leukemia. A report of a case with a masculine phenotype and 46,XX karyotype] Cristo E, et al. **Rev Invest Clin** 1976 Jul–Sep;28(3):267–71 (25 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

[Acute promyelocytic leukemia developed in the course of systemic lupus erythematosus: a case report] Taguchi F, et al. **Rinsho Ketsueki** 1990 Dec;31(12):1965–6 (5 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

Acute promyelocytic leukemia in Crohn's disease. Case report and review of the literature. Orii S, et al. **J Clin Gastroenterol** 1991 Jun;13(3):325–7 (10 ref.)

PATHOLOGY

Cardiac relapses in myeloid leukemia: case report and review of the literature. Jankovic M, et al. **Pediatr Hematol Oncol** 1987;4(3):237–45 (21 ref.)

LEUKEMIA, RADIATION-INDUCED

EPIDEMIOLOGY

Leukaemia and paternal radiation exposure. Watson GM. **Med J Aust** 1991 Apr 1;154(7):483–7 (23 ref.)

ETIOLOGY

Ionising radiations from nuclear establishments and childhood leukaemias—an enigma. Evans HJ. **Bioessays** 1990 Nov;12(11):541–9 (74 ref.)

PHYSIOPATHOLOGY

Cellular aspects of the pathogenesis of radiation—induced thymic lymphomas in C57 BL mice (review). Boniver J, et al. **In Vivo** 1990 Jan–Feb;4(1):41–3 (28 ref.)

LEUKEMIA, SMOULDERING see **ANEMIA, REFRACTORY, WITH EXCESS OF BLASTS**

LEUKEMIA, T-CELL

GENETICS

Cytogenetic implication in adult T-cell leukemia. A hypothesis of leukemogenesis. Sadamori N. **Cancer Genet Cytogenet** 1991 Jan;51(1):131–6 (39 ref.)

T-cell receptor gene rearrangements and the diagnosis of human T-cell neoplasms. Cossman J, et al. **Crit Rev Oncol Hematol** 1990;10(3):267–81 (223 ref.)

MICROBIOLOGY

Molecular biology of the type I human T-cell leukemia virus (HTLV-I) and adult T-cell leukemia. Smith MR, et al. **J Clin Invest** 1991 Mar;87(3):761–6 (45 ref.)

PATHOLOGY

Comparative study of cutaneous T-cell lymphoma and adult T-cell leukemia/lymphoma. Clinical, histopathologic, and immunohistochemical analyses. Nagatani T, et al. **Cancer** 1990 Dec 1;66(11):2380–6 (34 ref.)

LEUKEMIA, T-CELL, ACUTE

DIAGNOSIS

The significance of phenotyping leukemias using monoclonal antibodies. Pombo-de-Oliveira MS, et al. **Braz J Med Biol Res** 1990;23(9):763–72 (38 ref.)

DRUG THERAPY

Treatment of T-lineage acute lymphoblastic leukemia. Amylon MD. **Hematol Oncol Clin North Am** 1990 Oct; 4(5):937–49 (71 ref.)

LEUKEMIA, T-CELL, CHRONIC

[Chronic T-cell lymphatic leukemia] Rossetti A, et al. **G Clin Med** 1990 Oct;71(10):593–9, 602–6 (74 ref.) **(Ita)**

DIAGNOSIS

[T gamma-lymphocytosis with granulocytopenia—leukemia or reaction?] Robak T. **Acta Haematol Pol** 1990 Jan–Jun; 21(1):97–104 (46 ref.) **(Pol)**

PATHOLOGY

[T gamma-lymphoproliferative disease] Magyarlaki T, et al. **Orv Hetil** 1990 Nov 11;131(45):2489–94 (28 ref.) (Eng. Abstr.) **(Hun)**

LEUKEMIA VIRUS, AVIAN see **AVIAN LEUKOSIS VIRUSES**

LEUKEMIA VIRUS I, HUMAN T-CELL see **HTLV-I**

LEUKEMIA VIRUS II, HUMAN T-CELL see **HTLV-II**

LEUKEMIA VIRUSES, HUMAN T-CELL see **HTLV VIRUSES**

LEUKEMIC RETICULOENDOTHELIOSIS see **LEUKEMIA, HAIRY CELL**

LEUKEMOGENIC VIRUSES see **RETROVIRIDAE**

LEUKEMOID REACTION

COMPLICATIONS

High mortality among patients with the leukemoid reaction and alcoholic hepatitis. Mitchell RG, et al. **South Med J** 1991 Feb;84(2):281–2 (10 ref.)

DIAGNOSIS

[T gamma-lymphocytosis with granulocytopenia—leukemia or reaction?] Robak T. **Acta Haematol Pol** 1990 Jan–Jun; 21(1):97–104 (46 ref.) **(Pol)**

LEUKOCYTAPHERESIS see **LEUKAPHERESIS**

LEUKOCYTE ADHESION INHIBITOR see **INTERLEUKIN-8**

LEUKOCYTE-ADHESION RECEPTORS see **RECEPTORS, LEUKOCYTE-ADHESION**

LEUKOCYTE ANTIGENS see **HLA ANTIGENS**

LEUKOCYTE COUNT

Automated differential white cell counts: a critical appraisal. Bentley SA. **Baillieres Clin Haematol** 1990 Oct;3(4):851–69 (58 ref.)

[Mollaret benign recurrent aseptic meningitis. Case report, results of cerebrospinal fluid cytology and review of the literature] Bamborschke S, et al. **Nervenarzt** 1990 Oct; 61(10):615–9 (29 ref.) (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Quality control and the differential leukocyte count. Bentley SA. **Clin Lab Haematol** 1990;12 Suppl 1:101–9 (23 ref.)

METHODS

Limiting dilution analysis of human T cells: a useful clinical tool [see comments] Sharrock CE, et al. **Immunol Today** 1990 Aug;11(8):281–6 (40 ref.) Comment in: Immunol Today 1990 Dec;11(12):432.

LEUKOCYTE DIFFERENTIATION ANTIGENS, HUMAN see **ANTIGENS, CD**

LEUKOCYTE FUNCTION-ASSOCIATED ANTIGEN-1 see **LYMPHOCYTE FUNCTION-ASSOCIATED ANTIGEN-1**

LEUKOCYTE MIGRATION INHIBITION TESTS see **CELL MIGRATION INHIBITION**

LEUKOCYTE MIGRATION TEST see **CELL MIGRATION INHIBITION**

LEUKOCYTE NUMBER see **LEUKOCYTE COUNT**

LEUKOCYTES

see related
PHAGOCYTOSIS

Preoperative prediction of extent and severity of ischemic colitis by imaging with in-111 labeled leukocytes. Vijayakumar V, et al. **Clin Nucl Med** 1991 Feb;16(2):98–102 (41 ref.)

The role of scintigraphy in the management of inflammatory bowel disease. Rothstein RD. **J Nucl Med** 1991 May; 32(5):856–9 (22 ref.)

White blood cell scintigraphy. Problems related to the use of monoclonal antibodies. Locher JT, et al. **Prog Clin Biol Res** 1990;355:327–36 (11 ref.)

CHEMISTRY

Novel structurally distinct family of leucocyte surface glycoproteins including CD9, CD37, CD53 and CD63. Hořejší V, et al. **FEBS Lett** 1991 Aug 19;288(1–2):1–4 (34 ref.)

CYTOLOGY

Leukocytes and resident blood cells in endometrium. Bulmer JN, et al. **Ann N Y Acad Sci** 1991;622:57–68 (41 ref.)

Leucocyte cellular adhesion molecules. Yong K, et al. **Blood Rev** 1990 Dec;4(4):211–25 (195 ref.)

Leucocyte adhesion to endothelium. Wardlaw A. **Clin Exp Allergy** 1990 Nov;20(6):619–26 (61 ref.)

Leukocyte adhesion in host defense and tissue injury. Patarroyo M. **Clin Immunol Immunopathol** 1991 Sep; 60(3):333–48 (49 ref.)

Granulated metrial gland cells: pregnancy specific leukocytes? Stewart IJ. **J Leukoc Biol** 1991 Aug; 50(2):198–207 (90 ref.)

DRUG EFFECTS

Mode of action of PGI2 and of its stable derivative iloprost on platelets and leukocytes. Tremoli E, et al. **Thromb Res Suppl** 1990;11:33–42 (57 ref.)

Effects of dietary fish oil on leukocyte leukotriene and PAF generation and on neutrophil chemotaxis. Sperling RI. **World Rev Nutr Diet** 1991;66:391–400 (26 ref.)

ENZYMOLOGY

Arylsulfatase A (ASA) defect and psychiatric illness. A review. Shah SN. **Mol Chem Neuropathol** 1990 Mar; 12(2):121–9; discussion 143–5 (28 ref.)

[Assays of arylsulfatase activity in psychotic patients. Review of the literature and results of a study of 22 patients] Lejoyeux M, et al. **Encephale** 1991 Mar–Apr;17(2):87–92 (28 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Surface antigens of human leukocytes. Hořejší V. **Adv Immunol** 1991;49:75–147 (620 ref.)

Do cytokines play a role in leukocyte recruitment and activation in the lungs? Schleimer RP, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1169–74; discussion 1175–6 (100 ref.)

Role of colony-stimulating factors in leucocyte responses to inflammation and infection. Vadas MA, et al. **Curr Opin Immunol** 1991 Feb;3(1):97–104 (81 ref.)

Psoriasis. Leukocytes and cytokines. Cooper KD. **Dermatol Clin** 1990 Oct;8(4):737–45 (101 ref.)

Functional significance of white blood cells in the male and female reproductive tract. Barratt CL, et al. **Hum Reprod** 1990 Aug;5(6):639–48 (88 ref.)

Immune complex and complement-mediated leukocyte recruitment in bullous pemphigoid. Gammon WR. **Immunol Ser** 1989;46:509–25 (30 ref.)

Tissues and cells in the immune response. Virella G, et al. **Immunol Ser** 1990;50:11–30 (8 ref.)

Role of CR3 in induced myelomonocytic recruitment: insights from in vivo monoclonal antibody studies in the mouse. Rosen H. **J Leukoc Biol** 1990 Nov;48(5):465–9 (39 ref.)

Determinants of immune cell trafficking in the skin. Walsh LJ, et al. **Lab Invest** 1990 Nov;63(5):592–600 (92 ref.)

Leucocytes and pulmonary disorders: mobilization, activation and role in pathology. Shock A, et al. **Mol Aspects Med** 1990;11(6):425–526 (672 ref.)

Effectors of targeted cellular cytotoxicity [published erratum appears in Mol Immunol 1991 Jun;28(6):683] Segal DM, et al. **Mol Immunol** 1990 Dec;27(12):1339–42 (31 ref.)

Host defense mechanisms in the peritoneal cavity of continuous ambulatory peritoneal dialysis patients. 1. Lewis S, et al. **Perit Dial Int** 1991;11(1):14–21 (49 ref.)

Adhesion molecules and their role in inflammation. Montefort S, et al. **Respir Med** 1991 Mar;85(2):91–9 (46 ref.)

Prevention of HLA alloimmunization: role of leukocyte depletion and UV-B irradiation. Snyder EL. **Yale J Biol Med** 1990 Sep–Oct;63(5):419–27 (42 ref.)

[Phenotypical and functional characterization of leukocytes—the CD-system] Holter W, et al. **Wien Klin Wochenschr** 1991;103(9):247–62 (73 ref.) (Eng. Abstr.) **(Ger)**

[Leukocyte adhesion: a fundamental process in immunologic and inflammatory reactions] Patarroyo M, et al. **Lakartidningen** 1991 Jan 16;88(3):120–2 (3 ref.) (Eng. Abstr.) **(Swe)**

METABOLISM

Ion channels in leukocytes. Gallin EK. **Physiol Rev** 1991 Jul; 71(3):775–811 (290 ref.)

[Structure-activity organization of leukocytic interferon] Petrenko VA, et al. **Mol Biol (Mosk)** 1990 Nov–Dec; 24(6):1495–503 (76 ref.) (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Cytomegaiovirus antigenemia. The TH, et al.

Rev Infect Dis 1990 Sep–Oct;12 Suppl 7:S734–44 (32 ref.)

PATHOLOGY

Experimental analysis of the metastatic phenotype of malignant leukocytes. Vanden Driessche T, et al. **Anticancer Res** 1991 Jan–Feb;11(1):49–73 (151 ref.)

PHYSIOLOGY

Atherosclerosis alters the response to activated platelets and leukocytes. Heistad DD, et al. **Adv Exp Med Biol** 1990; 273:173–80 (25 ref.)

Modulation by cytokines of leukocyte–endothelial cell interactions. Implications for thrombosis. Beretz A, et al. **Biorheology** 1990;27(3–4):455–60 (23 ref.)

Leukocyte adhesion to endothelial cells. Wautier JL, et al. **Biorheology** 1990;27(3–4):425–32 (27 ref.)

Leukocyte–dependent and leukocyte–independent mechanisms of impairment of endothelium–mediated vasodilation. Lefer AM, et al. **Blood Vessels** 1990; 27(2–5):162–8 (22 ref.)

Leukocyte biophysics. An invited review. Schmid–Schönbein GW. **Cell Biophys** 1990 Oct;17(2):107–35 (82 ref.)

The pivotal role of the Leu–CAM and ICAM molecules in human leukocyte adhesion. Gahmberg CG, et al. **Cell Differ Dev** 1990 Dec 2;32(3):239–45 (39 ref.)

The potential relevance of cytokines to ovarian physiology: the emerging role of resident ovarian cells of the white blood cell series. Adashi EY. **Endocr Rev** 1990 Aug; 11(3):454–64 (140 ref.)

How do leucocytes perceive chemical gradients? Wilkinson PC. **FEMS Microbiol Immunol** 1990 Dec;2(5–6):303–11 (35 ref.)

On the mode of action of LFA–1. Figdor CG, et al. **Immunol Today** 1990 Aug;11(8):277–80 (41 ref.)

The phenomenon of leukergy (leukocyte adhesiveness/aggregation): a powerful investigative tool and a sensitive indicator of inflammation, trauma and stress. Berliner S, et al. **Isr J Med Sci** 1991 Mar;27(3):164–72 (98 ref.)

Passive deformations and active motions of leukocytes. Skalak R, et al. **J Biomech Eng** 1990 Aug;112(3):295–302 (60 ref.)

Leukocyte–derived mediators and biocompatibility. Tetta C, et al. **Nephrol Dial Transplant** 1991;6 Suppl 2:24–30 (88 ref.)

[Leukocytes and vascular lesions] Wautier JL. **Ann Cardiol Angeiol (Paris)** 1991 Mar;40(3):147–51 (26 ref.) (Eng. Abstr.) **(Fre)**

[Interleukins 1–8] Friemel H. **Allerg Immunol (Leipz)** 1990; 36(4):195–208 (10 ref.) (Eng. Abstr.) **(Ger)**

[The role of leukocytes in ischemic heart disease] Arber N, et al. **Harefuah** 1991 Jan 15;120(2):95–7 (28 ref.) **(Heb)**

[Leukergy 1990] Arber N, et al. **Harefuah** 1990 Jul; 119(1–2):43–5 (26 ref.) **(Heb)**

[Molecular basis of the communication of the nervous, endocrine and immune systems] Brunetti L. **Clin Ter** 1991 Mar 15;136(5):301–20 (254 ref.) (Eng. Abstr.) **(Ita)**

[The role of leukocytes in hemostatic reactions] Kopeć M. **Postepy Hig Med Dosw** 1990;44(4–6):217–33 (101 ref.) (Eng. Abstr.) **(Pol)**

TRANSPLANTATION

Ex vivo activation and retransfusion of white blood cells. The immunotherapy of cancer. Hamblin TJ. **Curr Stud Hematol Blood Transfus** 1990;(57):249–66 (42 ref.)

Immunodeficient mice xenografted with human lymphoid cells: new models for in vivo studies of human immunobiology and infectious diseases. Mosier DE. **J Clin Immunol** 1990 Jul;10(4):185–91 (18 ref.)

ULTRASTRUCTURE

Ultrastructural morphometry of human leucocytes in health and disease. Sokol RJ, et al. **Electron Microsc Rev** 1991; 4(1):179–95 (152 ref.)

LEUKOCYTES, MONONUCLEAR

The roles of inflammatory cells in the pathogenesis of asthma and of chronic obstructive pulmonary disease. Corrigan CJ, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1165–8; discussion 1175–6 (54 ref.)

Nuclear medicine and atherosclerosis. Sinzinger H, et al. **Eur J Nucl Med** 1990;17(3–4):160–78 (181 ref.)

IMMUNOLOGY

Cellular activation and releasability in asthma and in chronic obstructive pulmonary disease. Lee TH. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1162–4; discussion 1175–6 (32 ref.)

METABOLISM

Ascorbic acid levels in cells may be higher than first believed. **Nutr Rev** 1991 Jan;49(1):27–8 (3 ref.)

MICROBIOLOGY

Activity of antibiotics against microorganisms ingested by mononuclear phagocytes. van den Broek PJ. **Eur J Clin Microbiol Infect Dis** 1991 Feb;10(2):114–8 (42 ref.)

PHYSIOLOGY

Mononuclear cell–fibroblast interactions in the human lung. Elias JA, et al. **Chest** 1991 Mar;99(3 Suppl):73S–79S (31 ref.)

LEUKOCYTES, POLYMORPHONUCLEAR see **NEUTROPHILS**

LEUKOCYTOSIS

PHYSIOPATHOLOGY

[The leukostasis syndrome] Gattermann N, et al. **Dtsch Med Wochenschr** 1991 Sep 13;116(37):1399–404 (23 ref.) **(Ger)**

THERAPY

[Early complications and treatment of marked blastic hyperleukocytosis in children with leukemia] Kubiczek K, et al. **Pol Tyg Lek** 1989 Oct 2–16;44(40–42):889–91 (24 ref.) **(Pol)**

LEUKODYSTROPHY, METACHROMATIC

ENZYMOLOGY

Arylsulfatase A (ASA) defect and psychiatric illness. A review. Shah SN. **Mol Chem Neuropathol** 1990 Mar; 12(2):121–9; discussion 143–5 (28 ref.)

GENETICS

Advances in the molecular genetics of metachromatic leukodystrophy. Gieselmann V, et al. **J Inherited Metab Dis** 1990;13(4):560–71 (42 ref.)

LEUKOENCEPHALOPATHY, PROGRESSIVE MULTIFOCAL

COMPLICATIONS

Implications of progressive multifocal leukoencephalopathy and JC virus for the etiology of MS. Stoner GL. **Acta Neurol Scand** 1991 Jan;83(1):20–33 (106 ref.)

ETIOLOGY

[Leukoencephalopathy, calcifications of central grey nuclei, ophthalmologic manifestations following acute monoblastic leukemia treated with radiotherapy and methotrexate] Berkman N, et al. **Bull Soc Ophtalmol Fr** 1990 May; 90(5):483–8 (24 ref.) **(Fre)**

LEUKOKININ see **TUFTSIN**

LEUKOMALACIA, PERIVENTRICULAR

[Periventricular leukomalacia in premature newborn infants] Dworzak P. **Arch Fr Pediatr** 1990 Nov;47(9):667–77 (101 ref.) **(Fre)**

DIAGNOSIS

Hemorrhagic and ischemic lesions of the perinatal brain. de Vries L, et al. **Int J Technol Assess Health Care** 1991;7 Suppl 1:99–105 (40 ref.)

EPIDEMIOLOGY

White matter damage in preterm newborns—an epidemiologic perspective. Leviton A, et al. **Early Hum Dev** 1990 Oct;24(1):1–22 (134 ref.)

LEUKOPENIA

DRUG THERAPY

[GM–CSF and G–CSF: cytokines in clinical application] Ruef C, et al. **Schweiz Med Wochenschr** 1991 Mar 23; 121(12):397–412 (120 ref.) (Eng. Abstr.) **(Ger)**

[Colony–stimulating factors. Therapeutic applications] Kusminsky GD, et al. **Sangre (Barc)** 1990 Oct;35(5):381–7 (89 ref.) **(Spa)**

ETIOLOGY

Management of the hematologic complications of human immunodeficiency virus infection. Groopman JE. **Rev Infect Dis** 1990 Sep–Oct;12(5):931–7 (8 ref.)

PREVENTION & CONTROL

Role of human recombinant GM–CSF in the prevention and treatment of leukopenia with special reference to infectious diseases. Stern AC, et al. **Diagn Microbiol Infect Dis** 1990 Sep–Oct;13(5):391–6 (48 ref.)

SURGERY

[Prognosis of recovery after whole–body irradiation in relation to hematological indicators as the basis of clinical management of patients] Fliedner TM. **Gematol Transfuziol** 1990 Dec;35(12):27–31 (9 ref.) **(Rus)**

LEUKOPHERESIS see **LEUKAPHERESIS**

LEUKOPLAKIA, ORAL

COMPLICATIONS

[HIV infection. The prognostic value of buccal candidiasis and hairy leukoplakia in HIV infection. A critical and comparative analysis] Samson J, et al. **Schweiz Monatsschr Zahnmed** 1991;101(8):1026–32 (16 ref.) **(Fre)**

DIAGNOSIS

Reviewing oral leukoplakia: clinical concepts for the 1990s. Bouquot JE. **J Am Dent Assoc** 1991 Jun;122(7):80–2 (23 ref.)

ETIOLOGY

Hairy leukoplakia and other oral features of HIV infection. Greenspan JS, et al. **Immunol Ser** 1989;44:449–65 (39 ref.)

[Oral leukoplakia and immunosuppression] Marcoux C, et al. **Ann Dermatol Venereol** 1991;118(6–7):457–60 (20 ref.) **(Fre)**

PREVENTION & CONTROL

Potential role of beta–carotene in prevention of oral cancer. Garewal HS. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):294S–297S (33 ref.)

LEUKORRHEA

DIAGNOSIS

Vaginal discharge. Murtagh J. **Aust Fam Physician** 1991 Feb; 20(2):207–8, 212–3 (2 ref.)

PATHOLOGY

[The examination of vaginal discharge] Martsishevskaia RL, et al. **Lab Delo** 1990;(6):38–43 (6 ref.) (Eng. Abstr.) **(Rus)**

LEUKOTAXIS see **CHEMOTAXIS, LEUKOCYTE**

LEUKOTOMY see **PSYCHOSURGERY**

LEUKOTRIENE B4 see **LEUKOTRIENES B**

LEUKOTRIENE C1 see **SRS–A**

LEUKOTRIENE C4 see **SRS–A**

LEUKOTRIENE D4 see **SRS–A**

LEUKOTRIENES

[Leukotrienes. A review of the significance for disease in man and the possibilities for therapeutic intervention] Thomsen MK, et al. **Ugeskr Laeger** 1991 Jan 14; 153(3):173–6 (30 ref.) (Eng. Abstr.) **(Dan)**

ANTAGONISTS & INHIBITORS

The role of leukotriene antagonists and inhibitors in the treatment of airway disease. Busse WW, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 2):S103–7 (45 ref.)

Innovations in drug research: inhibitors of thromboxane and leukotrienes. Ford–Hutchinson AW. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:272–6 (14 ref.)

BIOSYNTHESIS

WY–50,295 tromethamine: a novel inhibitor of leukotriene–mediated reactions. Weichman BM, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21A:477–80 (4 ref.)

The role of leukotrienes in allergic rhinitis: a review. Naclerio RM, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 2):S91–5 (41 ref.)

Effects of dietary fish oil on leukocyte leukotriene and PAF generation and on neutrophil chemotaxis. Sperling RI. **World Rev Nutr Diet** 1991;66:391–400 (26 ref.)

[Leukotrienes and shock] Oborin AN. **Klin Khir** 1991;(4):60–4 (46 ref.) **(Rus)**

CHEMISTRY

Peptide leukotrienes: current status of research. Shaw A, et al. **J Med Chem** 1991 Apr;34(4):1235–42 (84 ref.)

IMMUNOLOGY

The potential roles of leukotrienes in bronchial asthma. Piacentini GL, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 2):S96–9 (57 ref.)

Neutrophils, leukotrienes and bacteria. König W. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:58–67 (32 ref.)

Inflammatory mediators and interstitial cystitis. Felsen D, et al. **Semin Urol** 1991 May;9(2):102–7 (50 ref.)

METABOLISM

Platelet-activating factor (PAF) and its relation to prostaglandins, leukotrienes and other aspects of arachidonate metabolism. Peplow PV, et al. **Prostaglandins Leukot Essent Fatty Acids** 1990 Oct; 41(2):71-82 (159 ref.)

PHARMACOLOGY

Cardiovascular effects of leukotrienes. Fauler J, et al. **Cardiovasc Drugs Ther** 1989 Aug;3(4):499-505 (43 ref.)

PHYSIOLOGY

Eicosanoids as mediators and modulators of inflammation. Hedqvist P, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:537-43 (16 ref.)

[Leukotrienes as mediators in the pathogenesis of shock] Guhlmann A, et al. **Verh Dtsch Ges Inn Med** 1990;96:693-6 (16 ref.) **(Ger)**

[Mediators of immunologic inflammation of the respiratory tract] Miadonna A, et al. **Boll Ist Sieroter Milan** 1988; 67(5-6):369-76 (62 ref.) (Eng. Abstr.) **(Ita)**

[The physiological role and pharmacological correction of the effects of prostanoids and leukotrienes] Chernov IuN, et al. **Farmakol Toksikol** 1990 Nov-Dec;53(6):64-71 (157 ref.) (Eng. Abstr.) **(Rus)**

[Leukotrienes as mediators of respiratory tract obstruction in bronchial asthma] Péč M, et al. **Cesk Fysiol** 1991; 40(2):147-57 (37 ref.) **(Slo)**

LEUKOTRIENES B

BIOSYNTHESIS

Biosynthesis and biological activity of leukotriene B4. Borgeat P, et al. **Clin Biochem** 1990 Oct;23(5):459-68 (97 ref.)

METABOLISM

Interleukin-2-induced lung permeability is mediated by leukotriene B4. Klausner JM, et al. **Cancer** 1990 Dec 1; 66(11):2357-64 (38 ref.)

PHYSIOLOGY

Biosynthesis and biological activity of leukotriene B4. Borgeat P, et al. **Clin Biochem** 1990 Oct;23(5):459-68 (97 ref.)

[Leukotrienes and myocardial ischemia] Moĭbenko AA, et al. **Kardiologiia** 1991 May;31(5):79-82 (92 ref.) **(Rus)**

LEUKOTRIENES C see **SRS-A**

LEUKOTRIENES D see **SRS-A**

LEUKOVIRUS PROTEINS see **RETROVIRIDAE PROTEINS**

LEUROCRISTINE see **VINCRISTINE**

LEVAMISOLE

ADMINISTRATION & DOSAGE

Adjuvant treatment of node-positive colon carcinoma with levamisole and 5-fluorouracil. Grem JL. **Oncology (Williston Park)** 1991 Mar;5(3):63-70, 73; discussion 73-4 (47 ref.)

PHARMACOLOGY

On the biochemical mode of action of levamisole: an update. Van Wauwe J, et al. **Int J Immunopharmacol** 1991;13(1):3-9 (46 ref.)

Anthelmintic resistance in nematodes: extent, recent understanding and future directions for control and research. Prichard RK. **Int J Parasitol** 1990 Jul; 20(4):515-23 (90 ref.)

THERAPEUTIC USE

Levamisole and the new era of chemoimmunotherapy. Greenspan EM, et al. **Cancer Invest** 1991;9(1):111-24 (101 ref.)

Levamisole in the adjuvant treatment of colon cancer. Mutch RS, et al. **Clin Pharm** 1991 Feb;10(2):95-109 (85 ref.)

Levamisole as an adjuvant in cancer treatment. Janssen PA. **J Clin Pharmacol** 1991 May;31(5):396-400 (49 ref.)

Levamisole and its use in adjuvant treatment after surgical resection of colorectal cancer. Neal G, et al. **J Med Assoc Ga** 1991 Feb;80(2):107-10 (15 ref.)

LEVARTERENOL see **NOREPINEPHRINE**

LEVEEN SHUNT see **PERITONEOVENOUS SHUNT**

LEVEL OF HEALTH see **HEALTH STATUS**

LEVO-GULARIC ACID see **GLUCARIC ACID**

LEVOAMPHETAMINE see **AMPHETAMINE**

LEVOCARDIA

COMPLICATIONS

Prolonged survival with isolated levocardia and situs inversus. Vijayakumar V, et al. **Cleve Clin J Med** 1991 May-Jun;58(3):243-7 (25 ref.)

LEVODOPA

ADMINISTRATION & DOSAGE

The efficacy of levodopa treatment declines in the course of Parkinson's disease: do nondopaminergic lesions play a role? Agid Y, et al. **Adv Neurol** 1990;53:83-100 (135 ref.)

Interactions of exogenous L-dopa with nigrostriatal dopaminergic neurons in Parkinson's disease. Melamed E. **Adv Neurol** 1990;53:61-6 (21 ref.)

Early dopamine agonist treatment in Parkinson's disease. Rinne UK. **Adv Neurol** 1990;53:417-9 (6 ref.)

ADVERSE EFFECTS

Motor response complications with chronic levodopa therapy. Chase TN, et al. **Adv Neurol** 1990;53:377-81 (32 ref.)

Neuroleptic malignant syndrome. When levodopa withdrawal is the cause. Rainer C, et al. **Postgrad Med** 1991 Apr;89(5):175-8, 180 (12 ref.)

[Successful treatment of levodopa-induced neuroleptic malignant syndrome (NMS) with disseminated intravascular coagulation (DIC) in a patient with Parkinson's disease] Yamawaki Y, et al. **Rinsho Shinkeigaku** 1991 Jan;31(1):62-7 (30 ref.) (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Levodopa treatment of Parkinson's syndrome: past and future. Pletscher A. **Adv Neurol** 1990;53:469-73 (9 ref.)

Levodopa therapy in Parkinson's disease. Koller WC, et al. **Neurology** 1990 Oct;40(10 Suppl 3):suppl 40-7; discussion 47-9 (81 ref.)

[Recent progress in treatment of Parkinson's disease] Narabayashi H. **Nippon Rinsho** 1990 Dec;48(12):2943-50 (16 ref.) **(Jpn)**

[Means and methods of non-opiate analgesia from the point of view of the concept of the adrenergic regulation of pain sensitivity] Ignatov IuD, et al. **Anesteziol Reanimatol** 1991 May-Jun;(3):65-8 (39 ref.) (Eng. Abstr.) **(Rus)**

LEVOMYCETIN see **CHLORAMPHENICOL**

LEVONOREPINEPHRINE see **NOREPINEPHRINE**

LEVOTETRAMISOLE see **LEVAMISOLE**

LEVULOSE see **FRUCTOSE**

LEWIS BLOOD-GROUP SYSTEM

GENETICS

Monoclonal antibodies as tools in genetic studies on carbohydrate blood group antigens. Watkins WM. **J Immunogenet** 1990 Aug-Oct;17(4-5):259-76 (86 ref.)

IMMUNOLOGY

The ABO, Hh, secretor, and Lewis systems. Marcus DM. **Immunol Ser** 1989;43:685-99 (33 ref.)

LEWIS SYSTEM see **LEWIS BLOOD-GROUP SYSTEM**

LEYDIG CELL TUMOR

[Leydigoma of the testis. Review of reported cases and presentation of 2 new cases] Casetta G, et al. **Minerva Urol Nefrol** 1990 Oct-Dec;42(4):227-9 (8 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

[Leydig-cell tumors of the testicle] Guerriero O, et al. **Ann Ital Chir** 1990 Nov-Dec;61(6):651-5; discussion 655-6 (33 ref.) (Eng. Abstr.) **(Ita)**

[A giant Sertoli-Leydig cell tumor. A case report] Plascencia Moncayo N. **Ginecol Obstet Mex** 1987 Apr;55:115-7 (10 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Bilateral stromal Leydig cell tumour of the ovary. Case report and literature review. Böhm J, et al. **Pathol Res Pract** 1991 Mar;187(2-3):348-52; discussion 352-3 (13 ref.)

THERAPY

Malignant Leydig cell tumour of the testis: a case report and review of the literature. Unlüer E, et al. **Int Urol Nephrol** 1990;22(5):455-60 (9 ref.)

LEYDIG CELLS

METABOLISM

Testicular function of sexually immature rats chronically treated with melatonin. Olivares AN, et al. **Arch Biol Med Exp (Santiago)** 1989 Dec;22(4):387-93 (22 ref.)

PHYSIOLOGY

Neuroendocrine regulation of pulsatile luteinizing hormone secretion in elderly men. Kaufman JM, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):421-30 (42 ref.)

LFA-1 see **LYMPHOCYTE FUNCTION-ASSOCIATED ANTIGEN-1**

LH

BLOOD

The gonadotrophin surge in humans: its mechanism and role in ovulatory function--a review. Goh HH, et al. **Ann Acad Med Singapore** 1990 Jul;19(4):524-9 (24 ref.)

GENETICS

[Genes of pituitary gonadotropin hormones and their regulation] Counis R. **Ann Endocrinol (Paris)** 1990; 51(2):72-81 (58 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Endocrine monitoring for assisted human conception. Howles CM, et al. **Br Med Bull** 1990 Jul;46(3):616-27 (45 ref.)

Reproductive peptide hormones: generation, degradation, reception, and action. LaBarbera AR, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):576-90 (21 ref.)

PHYSIOLOGY

Bioactivity of gonadotropins. Beitins IZ, et al. **Endocrinol Metab Clin North Am** 1991 Mar;20(1):85-120 (122 ref.)

[Unruptured luteinized follicle syndrome] Mardesic T. **Zentralbl Gynakol** 1990;112(18):1133-41 (42 ref.) (Eng. Abstr.) **(Ger)**

SECRETION

Hypothalamic neuropeptide Y: a circuit in the regulation of gonadotropin secretion and feeding behavior. Kalra SP, et al. **Ann N Y Acad Sci** 1990;611:273-83 (59 ref.)

Neuroendocrine regulation of pulsatile luteinizing hormone secretion in elderly men. Kaufman JM, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):421-30 (42 ref.)

[Ontogenesis of gonadotropic cells] Dubois PM. **Ann Endocrinol (Paris)** 1990;51(2):47-53 (86 ref.) (Eng. Abstr.) **(Fre)**

LH-FSH RELEASING HORMONE see **GONADORELIN**

LH-HCG RECEPTORS see **RECEPTORS, LH**

LH RECEPTORS see **RECEPTORS, LH**

LH-RELEASING HORMONE see **GONADORELIN**

LHFSHRH RECEPTORS see **RECEPTORS, GONADOLIBERIN**

LHRH see **GONADORELIN**

LIABILITY, LEGAL

Post-traumatic osteoarthritis--a medico-legal minefield. Wright V. **Br J Rheumatol** 1990 Dec;29(6):474-8 (33 ref.)

Post-Tarasoff legal developments and the mental health literature. Kaufman M. **Bull Menninger Clin** 1991 Summer; 55(3):308-22 (46 ref.)

Juridical and liability reflexes of bone marrow processing. Flores A. **Haematologica** 1991 Mar;76 Suppl 1:50-1 (11 ref.)

Market share liability for pharmaceuticals. The distinction between DES and DPT. Fern FH, et al. **J Leg Med** 1990 Dec;11(4):391-426 (185 ref.)

Expanded liability of hospitals for the negligence of fatigued residents. McNoble DJ. **J Leg Med** 1990 Dec;11(4):427-49 (77 ref.)

The legal implications of dietary fats: risks of cardiovascular disease and the duty of food manufacturers. Black DM, et al. **J Nutr** 1991 Apr;121(4):578-82 (13 ref.)

LIBIDO

DRUG EFFECTS

Alcohol expectancies and male sexuality: review and implications for sex therapy. Roehrich L, et al. **J Sex Marital Ther** 1991 Spring;17(1):45-54 (48 ref.)

The effects of oral contraceptives on well-being and sexuality. Bancroft J, et al. **Oxf Rev Reprod Biol** 1990; 12:57-92 (127 ref.)

LIBMAN-SACKS DISEASE see **LUPUS ERYTHEMATOSUS, SYSTEMIC**

LIBRARIES, HEALTH SCIENCE see **LIBRARIES, MEDICAL**

LIBRARIES, MEDICAL

Recent health sciences library building projects. Ludwig LT. **Bull Med Libr Assoc** 1991 Jan;79(1):70–85 (28 ref.)

LICE

see related
PEDICULOSIS

LICE, PLANT see **APHIDS**

LICENSURE, DENTAL

Dental licensure in the European Economic Community: implications for the United States. Freed JR, et al. **J Am Coll Dent** 1991 Summer;58(2):4–9 (31 ref.)

LICENSURE, MEDICAL

Medical discipline and licensing in the State of New York: a critical review. Post J. **Bull N Y Acad Med** 1991 Jan–Feb; 67(1):66–98 (8 ref.)

LICHEN PLANUS

Oral lichen planus. A review. Jungell P. **Int J Oral Maxillofac Surg** 1991 Jun;20(3):129–35 (155 ref.)
The spectrum of lichenoid dermatitis. Patterson JW. **J Cutan Pathol** 1991 Apr;18(2):67–74 (46 ref.)

COMPLICATIONS

[Castleman tumor, lichen ruber and pemphigus vulgaris: paraneoplastic association of immunological diseases?] Plewig G, et al. **Hautarzt** 1990 Dec;41(12):662–70 (40 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSIS

[Lichen planus pemphigoides] Cognat T, et al. **Ann Dermatol Venereol** 1991;118(5):387–90 (26 ref.) **(Fre)**

DRUG THERAPY

Treatment of oral lichen planus [editorial] **Lancet** 1990 Oct 13;336(8720):913–4 (20 ref.)

ETIOLOGY

[Oral lichen planus] Brabant P, et al. **Acta Stomatol Belg** 1990 Dec;87(4):233–9 (23 ref.) (Eng. Abstr.) **(Dut)**

IMMUNOLOGY

Immunopathogenesis of oral lichen planus. Walsh LJ, et al. **J Oral Pathol Med** 1990 Oct;19(9):389–96 (87 ref.)

LICHENS

PHYSIOLOGY

Molecular aspects of microbial ice nucleation. Warren G, et al. **Mol Microbiol** 1991 Feb;5(2):239–43 (31 ref.)

LICORICE see **GLYCYRRHIZA**

LIDOCAINE

[Lidocaine-prilocaine ointment; a welcome addition in local anesthesia] de Waard-van der Spek FB, et al. **Ned Tijdschr Geneeskd** 1991 Jul 27;135(30):1343–5 (20 ref.) **(Dut)**

ADVERSE EFFECTS

Episodic factitious gingival injury secondary to topical anesthesia. A case report. Raab FJ, et al. **J Periodontol** 1991 Jun;62(6):402–6 (28 ref.)

ANALOGS & DERIVATIVES

Voltage-sensitive sodium channels: agents that perturb inactivation gating. Agnew WS, et al. **Ann N Y Acad Sci** 1991;625:200–23 (60 ref.)

POISONING

Severe lidocaine intoxication by cutaneous absorption. Lie RL, et al. **J Am Acad Dermatol** 1990 Nov;23(5 Pt 2):1026–8 (13 ref.)

LIFE CARE CENTERS, RETIREMENT see **HOMES FOR THE AGED**

LIFE CHANGE EVENTS

Resilience and human adaptability: who rises above adversity? 1990 Eleanor Clarke Slagle Lecture. Fine SB. **Am J Occup Ther** 1991 Jun;45(6):493–503 (76 ref.)
Vulnerability and competence: a review of research on resilience in childhood. Luthar SS, et al. **Am J Orthopsychiatry** 1991 Jan;61(1):6–22 (105 ref.)
Childhood traumas: an outline and overview [see comments] Terr LC. **Am J Psychiatry** 1991 Jan;148(1):10–20 (40 ref.) Comment in: Am J Psychiatry 1991 Aug;148(8):1102–3.
Social factors and psychopathology: stress, social support, and coping processes. Coyne JC, et al. **Annu Rev Psychol** 1991;42:401–25 (130 ref.)
Depression, the immune system, and health and illness. Findings in search of meaning. Stein M, et al. **Arch Gen Psychiatry** 1991 Feb;48(2):171–7 (66 ref.)
Human T-cell leukemia/lymphoma viruses. Life cycle, pathogenicity, epidemiology, and diagnosis. Hjelle B. **Arch Pathol Lab Med** 1991 May;115(5):440–50 (160 ref.)
The motivation for change from problem alcohol and heroin use. Klingemann HK. **Br J Addict** 1991 Jun;86(6):727–44 (62 ref.)
Psychoimmunology and rheumatoid arthritis: concepts and methodologies. McFarlane AC, et al. **Int J Psychiatry Med** 1990;20(3):307–22 (83 ref.)
Annotation: recent life events and psychiatric disorder in school age children. Goodyer IM. **J Child Psychol Psychiatry** 1990 Sep;31(6):839–48 (41 ref.)
Recent life change and large bowel cancer. Data from the Melbourne Colorectal Cancer Study. Kune S, et al. **J Clin Epidemiol** 1991;44(1):57–68 (33 ref.)
Anxiety and adjustment disorder: a treatment approach [published erratum appears in J Clin Psychiatry 1991 Mar;52(3):140] Schatzberg AF. **J Clin Psychiatry** 1990 Nov;51 Suppl:20–4 (13 ref.)
Dreaming: the impact of life stress events. Miller TW, et al. **Psychiatr Dev** 1989 Winter;7(4):367–73 (19 ref.)
Asymmetrical effects of positive and negative events: the mobilization-minimization hypothesis. Taylor SE. **Psychol Bull** 1991 Jul;110(1):67–85 (200 ref.)
Ageing and life history: the meaning of reminiscence in late life. Coleman PG. **Sociol Rev [Monogr]** 1991;(37):120–43 (50 ref.)
[The need for interpersonal relations and coping with stressful life events] Wolf E. **Z Arztl Fortbild (Jena)** 1991 Apr 25;85(8):359–64 (11 ref.) **(Ger)**
[Psychosocial risk factors of ischemic heart disease] Wrześniewski K. **Przegl Lek** 1990;47(11):767–9 (36 ref.) **(Pol)**

LIFE EXPECTANCY

see related
LONGEVITY
Trends in mortality in Britain: 1920–1986. Smith GD, et al. **Ann Nutr Metab** 1991;35 Suppl 1:53–63 (32 ref.)
Catalog of risks extended and updated. Cohen BL. **Health Phys** 1991 Sep;61(3):317–35 (71 ref.)
Life expectancy in Canada--an overview. Adams O. **Health Rep** 1990;2(4):361–76 (28 ref.) **(Eng, Fre)**
Indirectly intended life-shortening analgesia: clarifying the principles. Barry FR, et al. **Issues Law Med** 1990 Fall; 6(2):117–51 (133 ref.)
[On the life span and aging] Tauchi H. **Nippon Ronen Igakkai Zasshi** 1990 May;27(3):265–73 (19 ref.) **(Jpn)**
[Approaches to the experimental prolongation of life] Nikitin VN. **Fiziol Zh** 1990 Sep-Oct;36(5):11–6 (21 ref.) (Eng. Abstr.) **(Rus)**

TRENDS

Left-handedness: a marker for decreased survival fitness. Coren S, et al. **Psychol Bull** 1991 Jan;109(1):90–106 (115 ref.)

LIFE EXPERIENCES see **LIFE CHANGE EVENTS**

LIFE SCIENCES see **BIOLOGICAL SCIENCES**

LIFE STYLE

see related
HEALTH BEHAVIOR
Alcohol problems and the city. Room R. **Br J Addict** 1990 Nov;85(11):1395–402 (31 ref.)
Epidemiologic perspectives on life-style modification and health promotion in cancer research. Celentano DD. **Cancer** 1991 Feb 1;67(3 Suppl):808–12 (20 ref.)
Lifestyle: an overview. Doll R. **Cancer Detect Prev** 1990; 14(6):589–94 (15 ref.)
Reducing cancer risk in women through lifestyle-mediated changes in hormone levels. Pike MC. **Cancer Detect Prev** 1990;14(6):595–607 (42 ref.)
Future directions for research into dietary and other lifestyle factors in hypertension. Beilin LJ. **Clin Exp Pharmacol Physiol** 1991 Feb;18(2):71–6 (28 ref.)
Deterring the progression of HIV infection. Goodkin K. **Compr Ther** 1990 Aug;16(8):17–23 (23 ref.)
Social validity assessments: is current practice state of the art? Schwartz IS, et al. **J Appl Behav Anal** 1991 Summer; 24(2):189–204 (75 ref.)
Diet and lifestyle in hypertension: changing perspectives. Beilin LJ. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S62–6 (51 ref.)
Lifestyle influences on prematurity. Creasy RK. **J Dev Physiol** 1991 Jan;15(1):15–20 (56 ref.)
Westernisation, insulin resistance and diabetes in Australian aborigines. O'Dea K. **Med J Aust** 1991 Aug 19; 155(4):258–64 (55 ref.)
Hot tubs, sex, sushi, and infectious diseases. Lorber B. **Pharmacotherapy** 1991;11(2 (Pt 2)):56S–63S (77 ref.)
The role of occupational and non-occupational factors in workers ill-health. Järvisalo JO. **Pol J Occup Med** 1989; 2(4):407–33 (91 ref.)
Non-occupational factors in occupational morbidity and mortality. Shackleton S, et al. **Pol J Occup Med** 1989; 2(2):105–30 (61 ref.)
Depression and fatigue in the primary care physician. Wise TN. **Prim Care** 1991 Jun;18(2):451–64 (38 ref.)
Tyranny of the obsessional character. Grumet GW. **Psychol Rep** 1991 Feb;68(1):71–93 (80 ref.)
[Life style, environment and childhood diseases] Ballabriga A. **An Esp Pediatr** 1990 Nov;33 Suppl 42:1–19 (270 ref.) **(Spa)**

ETHNOLOGY

Cardiovascular disease risk factors in Australian aborigines. O'Dea K. **Clin Exp Pharmacol Physiol** 1991 Feb;18(2):85–8 (10 ref.)

LIFE SUPPORT CARE

see related
RESUSCITATION ORDERS
Elective use of life-sustaining treatments in internal medicine. Singer PA, et al. **Adv Intern Med** 1991;36:57–79 (84 ref.)
Study design in prehospital trauma advanced life support-basic life support research: a critical review. Jones SE, et al. **Ann Emerg Med** 1991 Aug;20(8):857–60 (23 ref.)
Consensus report on the ethics of foregoing life-sustaining treatments in the critically ill. Task Force on Ethics of the Society of Critical Care Medicine. **Crit Care Med** 1990 Dec;18(12):1435–9 (4 ref.)

LEGISLATION & JURISPRUDENCE

Medical treatment for older persons and persons with disabilities: 1990 developments. National Legal Center Staff. **Issues Law Med** 1991 Spring;6(4):341–60 (137 ref.)
Is a decision to forgo tube feeding for another a decision to kill? Brodeur D. **Issues Law Med** 1991 Spring; 6(4):395–406 (19 ref.)
The judicial role in life-sustaining medical treatment decisions. Hafemeister TL, et al. **Issues Law Med** 1991 Summer;7(1):53–72 (23 ref.)
Is a decision to forgo tube feeding for another a decision to kill? Smith WB. **Issues Law Med** 1991 Spring;6(4):385–94 (45 ref.)
Nurses and physicians on nutritional support: a comparison. Liaschenko J, et al. **J Med Philos** 1991 Jun;16(3):259–83 (50 ref.)

METHODS

Pediatric Advanced Life Support: Part II. Fluid therapy, medications and dysrhythmias. Rockney RM, et al. **Am Fam Physician** 1991 May;43(5):1712–20 (22 ref.)

PSYCHOLOGY

Research in patient and family decision making regarding life sustaining and long term care. Coulton CJ. **Soc Work Health Care** 1990;15(1):63–78 (35 ref.)

LIFE VALUATION, ECONOMIC see **ECONOMIC VALUE OF LIFE**

LIGAMENTS

ANATOMY & HISTOLOGY

The lateral ligamentous support of the subtalar joint. Harper MC. **Foot Ankle** 1991 Jun;11(6):354–8 (12 ref.)
The iliopubic tract. The key to inguinal herniorrhaphy? Lichtenstein IL, et al. **Int Surg** 1990 Oct–Dec;75(4):244–6 (11 ref.)

DRUG EFFECTS

[Retinoid-induced changes of the bones and ligaments] Zelger B, et al. **Hautarzt** 1990 Oct;41(10):537–44 (44 ref.) (Eng. Abstr.) **(Ger)**

INJURIES

Fractures and ligamentous injuries of the wrist. Koman LA, et al. **Hand Clin** 1990 Aug;6(3):477–91 (46 ref.)

PATHOLOGY

Ossification of the cervical ligamentum flavum. Kobayashi S, et al. **Surg Neurol** 1991 Mar;35(3):234–8 (15 ref.)

SURGERY

Thermal injury resulting from arthroscopic lateral retinacular release by electrocautery: report of three cases and a review of the literature. Lord MJ, et al. **Arthroscopy** 1991;7(1):33–7 (20 ref.)

LIGAMENTS, ARTICULAR

ANATOMY & HISTOLOGY

The lateral ligamentous support of the subtalar joint. Harper MC. **Foot Ankle** 1991 Jun;11(6):354–8 (12 ref.)

Histologic anatomy of the triangular fibrocartilage. Chidgey LK. **Hand Clin** 1991 May;7(2):249–62 (20 ref.)

INJURIES

Knee ligament injuries combined with ipsilateral tibial and femoral diaphyseal fractures: the "floating knee". van Raay JJ, et al. **Arch Orthop Trauma Surg** 1991;110(2):75–7 (17 ref.)

Acute lateral ankle ligament injuries: a literature review. Boruta PM, et al. **Foot Ankle** 1990 Oct;11(2):107–13 (80 ref.)

Injured ligaments of the knee. Tubbs N. **Injury** 1990 Sep; 21(5):291–3 (20 ref.)

Treatment for acute tears of the lateral ligaments of the ankle. Operation, cast, or early controlled mobilization. Kannus P, et al. **J Bone Joint Surg [Am]** 1991 Feb;73(2):305–12 (77 ref.)

[Post-traumatic hemarthrosis of the knee and arthroscopy. Review of 161 cases] Cazenave A, et al. **J Chir (Paris)** 1990 Nov;127(11):522–7 (21 ref.) (Eng. Abstr.) **(Fre)**

[Role of the fibula in distal tibial fracture] Heim U. **Z Unfallchir Versicherungsmed** 1990;83(4):187–95 (16 ref.) (Eng. Abstr.) **(Ger)**

[Diagnosis and treatment of ligamentous injuries of the ankle] Takakura Y. **Nippon Seikeigeka Gakkai Zasshi** 1990 Nov; 64(11):1111–26 (39 ref.) **(Jpn)**

[Lateral instability of the ankle joint (1). Non-surgical treatment is the first choice—20 per cent may need ligament surgery] Karlsson J, et al. **Lakartidningen** 1991 Apr 10; 88(15):1399–402 (34 ref.) (Eng. Abstr.) **(Swe)**

PHYSIOLOGY

Receptors in the knee joint ligaments and their role in the biomechanics of the joint. Johansson H, et al. **Crit Rev Biomed Eng** 1991;18(5):341–68 (273 ref.)

RADIOGRAPHY

[Carpal instability and secondary degenerative changes in lesions of the radio-carpal ligaments with various etiology] Stäbler A, et al. **Handchir Mikrochir Plast Chir** 1990 Nov; 22(6):289–95 (29 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Lateral ankle stabilization. Modified Lee and Chrisman-Snook. Saltrick KR. **Clin Podiatr Med Surg** 1991 Jul;8(3):579–600 (40 ref.)

Arthroscopic treatment of TFCC lesions. Osterman AL, et al. **Hand Clin** 1991 May;7(2):277–81 (28 ref.)

ULTRASTRUCTURE

The morphology of synovial lining of various structures in several species as observed with scanning electron microscopy. Steinberg PJ, et al. **Scanning Microsc** 1990 Dec;4(4):987–1019; discussion 1019–20 (50 ref.)

LIGANDINS see **GLUTATHIONE TRANSFERASES**

LIGANDS

see related
RADIOLIGAND ASSAY
RECEPTORS, ENDOGENOUS SUBSTANCES

The reversible cross-linking of receptors by ligands: theory for the prediction of binding responses. Mark AE, et al. **Biochem Int** 1990 Nov;22(4):685–97 (23 ref.)

Ligand binding properties of cytochromes c'. Kassner RJ. **Biochim Biophys Acta** 1991 May 23;1058(1):8–12 (22 ref.)

Sequence-selective DNA recognition by synthetic ligands. Nielsen PE. **Bioconjug Chem** 1991 Jan–Feb;2(1):1–12 (139 ref.)

Ligand binding to integrins: common and ligand specific recognition mechanisms. Ginsberg MH, et al. **Cell Differ Dev** 1990 Dec 2;32(3):203–13 (78 ref.)

Steroid regulation of the GABAA receptor: ligand binding, chloride transport and behaviour. Majewska MD. **Ciba Found Symp** 1990;153:83–97; discussion 97–106 (37 ref.)

Ligand–receptor and junction-mediated cell–cell interactions: comparison of the two principles. Chailakhyan LM. **Differentiation** 1990 Oct;45(1):1–6 (15 ref.)

The molecular basis and specificity of integrin-ligand interactions. Humphries MJ. **J Cell Sci** 1990 Dec;97 (Pt 4):585–92 (104 ref.)

The role of ligand–receptor interactions in disease. Vermeer BJ, et al. **J Dermatol Sci** 1990 Mar;1(2):59–64 (41 ref.)

Receptors and dormant receptors—messengers and opportunistic ligands. Ariëns EJ. **J Recept Res** 1991; 11(1–4):1–11 (15 ref.)

Mass ligand binding screening for receptor antagonists: prototype new drugs and blind alleys. Burch RM. **J Recept Res** 1991;11(1–4):101–13 (12 ref.)

Detection of site-specific binding and co-binding of ligands to macromolecules using 19F NMR. Jenkins BG. **Life Sci** 1991;48(13):1227–40 (62 ref.)

The red cell Na/K pump reaction cycle: ligand signal sites and Na coupled anion transport. Hoffman JF, et al. **Soc Gen Physiol Ser** 1991;46:281–8 (24 ref.)

Localization of ligand binding from studies of chemical modification. Kaplan JH. **Soc Gen Physiol Ser** 1991; 46:117–28 (34 ref.)

Functional significance of the oligomeric structure of the Na,K-pump from radiation inactivation and ligand binding. Nørby JG, et al. **Soc Gen Physiol Ser** 1991;46:173–88 (47 ref.)

[Ligand–exchange chromatography of proteins and enzymes] Lopatin SA, et al. **Bioorg Khim** 1990 Jun;16(6):725–50 (98 ref.) (Eng. Abstr.) **(Rus)**

LIGATION, TUBAL see **STERILIZATION, TUBAL**

LIGHT

see related
LIGHTING
PHOTIC STIMULATION
PHOTOCHEMOTHERAPY
PHOTOMETRY
PHOTOSENSITIVITY DISORDERS
PHOTOTHERAPY
SUNLIGHT

A light-induced tryptophan–riboflavin binding: biological implications. Silva E, et al. **Adv Exp Med Biol** 1991; 289:33–48 (81 ref.)

Quasielastic light scattering studies of aqueous biliary lipid systems and native bile. Mazer NA. **Hepatology** 1990 Sep; 12(3 Pt 2):39S–44S (31 ref.)

The role of plasma membrane redox activity in light effects in plants. Rubinstein B, et al. **J Bioenerg Biomembr** 1991 Jun;23(3):393–408 (87 ref.)

Border effects on brightness: a review of findings, models and issues. Kingdom F, et al. **Spat Vis** 1988;3(4):225–62 (85 ref.)

White-noise analysis in visual neuroscience. Sakai HM, et al. **Vis Neurosci** 1988;1(3):287–96 (46 ref.)

[Eye and light] Amalric P, et al. **Bull Soc Ophtalmol Fr** 1990 Nov;Spec No:1–285 (397 ref.) **(Fre)**

[Transcriptional regulation of plant genes by light] Shinozaki K. **Tanpakushitsu Kakusan Koso** 1991 Feb;36(2):115–27 (47 ref.) **(Jpn)**

ADVERSE EFFECTS

Oxygen and light as risk factors in senile cataract development: experimental studies. Varma SD, et al. **Dev Ophthalmol** 1991;21:162–9 (19 ref.)

Light and the developing retina. Glass P. **Doc Ophthalmol** 1990 Mar;74(3):195–203 (31 ref.)

In vivo evaluation of lenticular phototoxicity. Lerman S. **Lens Eye Toxic Res** 1989;6(1–2):301–8 (30 ref.)

Screening for potential in vivo phototoxicity in the lens/retina. Roberts JE, et al. **Lens Eye Toxic Res** 1990; 7(3–4):655–66 (38 ref.)

Comparison of endogenous and exogenous photosensitization in the lens using in vitro and photophysical studies. Roberts JE, et al. **Lens Eye Toxic Res** 1989;6(1–2):309–18 (34 ref.)

Why the incidence of cancer is increasing: the role of 'light pollution'. Kerenyi NA, et al. **Med Hypotheses** 1990 Oct; 33(2):75–8 (29 ref.)

[Light-induced damage to the eye] Zrenner E. **Fortschr Ophthalmol** 1990;87 Suppl:S41–51 (63 ref.) (Eng. Abstr.) **(Ger)**

[Light and skin] Takebe H. **Nippon Hifuka Gakkai Zasshi** 1990 Nov;100(13):1326–7 (6 ref.) **(Jpn)**

[The "sensory" safety of drugs: photosensitizing damage to the structures of the eye] Piruzian LA, et al. **Izv Akad Nauk SSSR [Biol]** 1991 Jan–Feb;(1):43–50 (29 ref.) (Eng. Abstr.) **(Rus)**

[Hygienic problems with the use of artificial sources of optical radiation in agriculture (a review of the literature)] Gvozdenko LA, et al. **Vrach Delo** 1991 Mar;(3):56–60 (46 ref.) **(Rus)**

LIGHT COAGULATION

Possibilities of laser in the treatment of urinary bladder cancer. Beisland HO. **Ann Chir Gynaecol** 1990;79(4):197–9 (14 ref.)

Argon laser/CO2 treatment of bleeding ulcers. Cotton PB. **Gastrointest Endosc** 1990 Sep–Oct;36(5 Suppl):S32–3 (9 ref.)

Therapeutic endoscopy and bleeding ulcers. Nd:YAG laser: the pro approach. Swain CP. **Gastrointest Endosc** 1990 Sep–Oct;36(5 Suppl):S30–1 (18 ref.)

Treatment of retinoblastoma with photocoagulation. Shields JA, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1990; 42:951–4 (11 ref.)

[Laser therapy of superficial tumors of the bladder] Vicente J, et al. **Arch Esp Urol** 1990;43 Suppl 2:125–30 (15 ref.) (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

The complication of pneumatic retinopexy. Hilton GF, et al. **Trans Am Ophthalmol Soc** 1990;88:191–207; discussion 207–10 (35 ref.)

METHODS

[Laser correction of arrhythmia] Bobrov VA, et al. **Kardiologiia** 1990 Dec;30(12):76–9 (62 ref.) **(Rus)**

LIGHT, LUMINESCENT see **LUMINESCENCE**

LIGHT, VISIBLE see **LIGHT**

LIGHTING

Squashing versus nudging circadian rhythms with artificial bright light: solutions for shift work? Eastman CI. **Perspect Biol Med** 1991 Winter;34(2):181–95 (65 ref.)

ADVERSE EFFECTS

[Hygienic problems with the use of artificial sources of optical radiation in agriculture (a review of the literature)] Gvozdenko LA, et al. **Vrach Delo** 1991 Mar;(3):56–60 (46 ref.) **(Rus)**

LIGNAC-FANCONI SYNDROME see **FANCONI SYNDROME**

LIGNIN

PHARMACOLOGY

Antitumor, antiviral and immunopotentiating activities of pine cone extracts: potential medicinal efficacy of natural and synthetic lignin-related materials (review). Sakagami H, et al. **Anticancer Res** 1991 Mar–Apr;11(2):881–8 (58 ref.)

LIGNOCAINE see **LIDOCAINE**

LIMBIC SYSTEM

ANATOMY & HISTOLOGY

Descending motor pathways and the spinal motor system: limbic and non-limbic components. Holstege G. **Prog Brain Res** 1991;87:307–421 (546 ref.)

[The limbic system and the problem of the evolution of the vertebrate hindbrain] Belekhova MG. **Zh Evol Biokhim Fiziol** 1990 Jul–Aug;26(4):537–49 (78 ref.) **(Rus)**

DRUG EFFECTS

Anatomical "circuitry" in the brain mediating alcohol drinking revealed by THP-reactive sites in the limbic system. Myers RD. **Alcohol** 1990 Sep–Oct;7(5):449–59 (89 ref.)

[Central effect of calcium channel antagonists: new therapeutic possibilities in neurology and psychiatry?] Kostowski W, et al. **Psychiatr Pol** 1990 May–Jun; 24(3):209–16 (39 ref.) **(Pol)**

METABOLISM

[Mesolimbocortical dopamine system] Toru M. **No To Shinkei** 1991 Apr;43(4):319–29 (60 ref.) **(Jpn)**

PHYSIOLOGY

Mesolimbic dopamine activation—the key to nicotine reinforcement? Clarke PB. **Ciba Found Symp** 1990; 152:153–62; discussion 162–8 (30 ref.)

Limbic autonomic arousal: its physiological classification and review of the literature. Deshmukh VD. **Clin Electroencephalogr** 1991 Jan;22(1):46–61 (115 ref.)

Mesocorticolimbic dopaminergic systems and emotional states. Bertolucci-D'Angio M, et al. **J Neurosci Methods** 1990 Sep;34(1–3):135–42 (32 ref.)

Mesocorticolimbic dopaminergic network: functional and regulatory roles. Le Moal M, et al. **Physiol Rev** 1991 Jan; 71(1):155–234 (983 ref.)

Involvement of mesocorticolimbic dopaminergic systems in emotional states. Bertolucci-D'Angio M, et al. **Prog Brain Res** 1990;85:405–16; discussion 416–7 (35 ref.)

[Bed nucleus of the stria terminalis] Han ZS, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):361–3 (10 ref.) **(Chi)**

PHYSIOPATHOLOGY

Role of neostriatal and mesostriatal or mesolimbic dopaminergic fibres in Parkinson's disease with and without dementia: prospects, concepts and facts. Cools AR. **Yakubutsu Seishin Kodo** 1990 Mar;10(1):15–34 (117 ref.)

LIMBS see **EXTREMITIES**

LIMITATION OF ACTIVITY, CHRONIC see **ACTIVITIES OF DAILY LIVING**

LINCOLNENSIN see **LINCOMYCIN**

LINCOMYCIN

ANALOGS & DERIVATIVES

Lincocinamides and the incidence of antibiotic-associated colitis. Jaimes EC. **Clin Ther** 1991 Mar–Apr;13(2):270–80 (63 ref.)

MEDICAL REVIEWS

THERAPEUTIC USE

[The role of lincosamide antibiotics in pediatrics] Scholz H, et al. **Z Arztl Fortbild (Jena)** 1990;84(22):1139–43 (19 ref.) **(Ger)**

LINDANE see **BENZENE HEXACHLORIDE**

LINEAR ACCELERATORS see **PARTICLE ACCELERATORS**

LINEAR MODELS

The identification of nonlinear biological systems: Wiener kernel approaches. Korenberg MJ, et al. **Ann Biomed Eng** 1990;18(6):629–54 (87 ref.)

LINEAR REGRESSION see **REGRESSION ANALYSIS**

LINGUAL BONE see **HYOID BONE**

LINGUAL FRENUM

ABNORMALITIES

Ankyloglossia with deviation of the epiglottis and larynx. Mukai S, et al. **Ann Otol Rhinol Laryngol Suppl** 1991 May; 153:3–20 (53 ref.)

LINKAGE (GENETICS)

Hereditary nephrogenic diabetes insipidus. Bichet DG. **Adv Nephrol Necker Hosp** 1991;20:175–89 (72 ref.)

Prenatal diagnosis of the neurofibromatoses. Pulst SM. **Clin Perinatol** 1990 Dec;17(4):829–44 (31 ref.)

Chromosomal assignment and physical linkage of the human C8 loci: implications regarding C8 polymorphisms and deficiencies. Snider JV, et al. **Complement Inflamm** 1990; 7(4–6):298–301 (13 ref.)

Report of the committee on linkage and gene order. Keats BJ, et al. **Cytogenet Cell Genet** 1990;55(1–4):387–94 (21 ref.)

X linked mental retardation. Glass IA. **J Med Genet** 1991 Jun;28(6):361–71 (152 ref.)

Non-specific X linked mental retardation. Kerr B, et al. **J Med Genet** 1991 Jun;28(6):378–82 (45 ref.)

GENETICS

Dermatomyositis-like syndrome in X-linked hypogammaglobulinemia. Case-report and review of the literature. Thyss A, et al. **Acta Derm Venereol (Stockh)** 1990;70(4):309–13 (20 ref.)

Dermatology and the human gene map. Moss C. **Br J Dermatol** 1991 Jan;124(1):3–9 (23 ref.)

Genetic linkage in mental illness. Limitations and prospects. Baron M, et al. **Br J Psychiatry** 1990 Nov;157:645–55 (60 ref.)

X-linked genes and gonadal differentiation. Wolf U. **Differentiation** 1983;23 Suppl:S104–6 (18 ref.)

The genetic epidemiology of schizophrenia and the design of linkage studies. McGue M, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;240(3):174–81 (46 ref.)

Corpus callosum agenesis, spastic quadriparesis and irregular lining of the lateral ventricles on CT-scan. A distinct X-linked mental retardation syndrome? Vles JS, et al. **Genet Couns** 1990;1(2):97–102 (19 ref.)

Detailed genetic linkage map of human chromosome 21: patterns of recombination according to age and sex. Tanzi RE, et al. **Prog Clin Biol Res** 1990;360:15–26 (20 ref.)

Doubt about evidence for a schizophrenia gene on chromosome 5 [editorial] Watt DC, et al. **Psychol Med** 1991 May;21(2):279–85 (29 ref.)

The current status of linkage studies in schizophrenia. Gelernter J, et al. **Res Publ Assoc Res Nerv Ment Dis** 1991; 69:137–52 (152 ref.)

Strategies for linkage studies in schizophrenia. Mellon CD, et al. **Schizophr Res** 1989 May–Jun;2(3):277–85 (70 ref.)

LINKAGE MAPPING see **CHROMOSOME MAPPING**

LINKER-INSERTION MUTAGENESIS see **MUTAGENESIS, INSERTIONAL**

LINOLEIC ACIDS

BIOSYNTHESIS

Endothelial cell 13-HODE synthesis and tumor cell endothelial cell adhesion. Buchanan MR, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:909–12 (21 ref.)

METABOLISM

Formation and action of anticarcinogenic fatty acids. Pariza MW, et al. **Adv Exp Med Biol** 1991;289:269–72 (9 ref.)

Linoleic acid, antioxidants and coronary heart disease. Oliver MF. **Biochem Soc Trans** 1990 Dec;18(6):1049–51 (14 ref.)

Linoleic acid metabolism in diabetes mellitus. van Doormaal JJ. **Neth J Med** 1990 Dec;37(5–6):207–14 (52 ref.)

PHARMACOLOGY

Conjugated dienoic derivatives of linoleic acid: mechanism of anticarcinogenic effect. Pariza MW, et al. **Prog Clin Biol Res** 1990;347:217–21 (12 ref.)

LINOLENIC ACIDS

ADMINISTRATION & DOSAGE

Omega 3 fatty acid deficiency in man: implications for the requirement of alpha-linolenic acid and long-chain omega 3 fatty acids. Bjerve KS. **World Rev Nutr Diet** 1991; 66:133–42 (38 ref.)

LIOTHYRONINE see **TRIIODOTHYRONINE**

LIP

RADIATION EFFECTS

Estimation of repair parameters in mouse lip mucosa during continuous and fractionated low dose-rate irradiation. Stüben G, et al. **Radiother Oncol** 1991 Jan;20(1):38–45 (26 ref.)

SURGERY

Reconstruction of the lower lip and chin using local and random-pattern flaps. Wheeland RG. **J Dermatol Surg Oncol** 1991 Jul;17(7):605–15 (30 ref.)

Reconstruction of the lip. Renner GJ, et al. **Otolaryngol Clin North Am** 1990 Oct;23(5):975–90 (13 ref.)

LIP DISEASES

Cutaneous silica granuloma. A rare entity or rarely diagnosed? Report of two cases with review of the literature. Mowry RG, et al. **Arch Dermatol** 1991 May; 127(5):692–4 (15 ref.)

DIAGNOSIS

Lip dermatoses. Heagerty A, et al. **Practitioner** 1991 Jan; 235(1498):49–54 (4 ref.)

LIP NEOPLASMS

CHEMISTRY

A light microscopic and immunohistochemical study of a multiple granular cell tumor and review of the literature. Baden E, et al. **J Oral Maxillofac Surg** 1990 Oct; 48(10):1093–9 (90 ref.)

COMPLICATIONS

[Chronic lupus erythematosus and epidermoid carcinoma] de Castelbajac D, et al. **Ann Dermatol Venereol** 1990; 117(11):876–8 (9 ref.) **(Fre)**

SURGERY

Wedge excision of lips and ears. Burke M. **Aust Fam Physician** 1991 Mar;20(3):297–301 (0 ref.)

THERAPY

Current management of cancer of the lip. Baker SR. **Oncology (Williston Park)** 1990 Sep;4(9):107–20; discussion 122–4 (33 ref.)

LIPANTHYL see **PROCETOFEN**

LIPASE

ANALYSIS

[The characterization of microbial lipases. 1. The determination of lipase activity] Bariszlovich M, et al. **Nahrung** 1990;34(8):701–17 (123 ref.) (Eng. Abstr.) **(Ger)**

[Pancreatic lipase] Hayashi Y. **Rinsho Byori** 1991 May; 39(5):451–60 (14 ref.) (Eng. Abstr.) **(Jpn)**

BLOOD

[Biochemical studies in the diagnosis of acute pancreatitis] Tvorogova MG, et al. **Ter Arkh** 1991;63(2):144–7 (26 ref.) **(Rus)**

METABOLISM

Interactions of lipases with lipid monolayers. Facts and questions. Piéroni G, et al. **Adv Colloid Interface Sci** 1990 Sep;32(4):341–78 (62 ref.)

Gastric lipase and digestion of human milk fat. **Nutr Rev** 1990 Oct;48(10):385–7 (8 ref.)

[The characterization of microbial lipases. 2. The determination of lipase specificity] Bariszlovich M, et al. **Nahrung** 1991;35(1):61–9 (60 ref.) (Eng. Abstr.) **(Ger)**

[The use of microbial and enzymatic function in organic synthesis. Total synthesis of the aglycone of venturicidins A and B] Akita H. **Yakugaku Zasshi** 1990 Nov; 110(11):789–806 (33 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Lipase regulation of muscle triglyceride hydrolysis. Oscai LB, et al. **J Appl Physiol** 1990 Nov;69(5):1571–7 (63 ref.)

[The role and mechanism of action of hepatic lipase] Piskorska D, et al. **Przegl Lek** 1990;47(9):648–50 (45 ref.) **(Pol)**

THERAPEUTIC USE

[Clinical and pharmacological aspects of pancreatic enzyme substitution therapy] Löser C, et al. **Leber Magen Darm** 1991 Mar;21(2):56, 59–62, 65 (39 ref.) (Eng. Abstr.) **(Ger)**

LIPECTOMY

[Liposuction—the current potentials] Georgiev E. **Khirurgiia (Sofiia)** 1990;43(4):70–3 (50 ref.) **(Bul)**

[Liposuction present status 1990] Moscona R. **Harefuah** 1990 Oct;119(7–8):209–12 (8 ref.) **(Heb)**

ADVERSE EFFECTS

[Unusual complication of liposuction (atypical cutaneous mycobacteriosis?)] Charleux D, et al. **Ann Dermatol Venereol** 1990;117(6–7):449–53 (22 ref.) **(Fre)**

METHODS

Functional applications of suction-assisted lipectomy: a new treatment for old disorders. Apesos J, et al. **Aesthetic Plast Surg** 1991 Winter;15(1):73–9 (31 ref.)

Microliposuction and autologous fat transplantation for aesthetic enhancement of the aging face. Asken S. **J Dermatol Surg Oncol** 1990 Oct;16(10):965–72 (36 ref.)

Cervicofacial liposuction: results and controversies [see comments] Adamson PA, et al. **J Otolaryngol** 1990 Aug; 19(4):267–73 (7 ref.) Comment in: J Otolaryngol 1991 Feb;20(1):69.

LIPEMIA-CLEARING FACTOR see **LIPOPROTEIN LIPASE**

LIPID A

IMMUNOLOGY

Liposomes containing lipid A: a potent nontoxic adjuvant for a human malaria sporozoite vaccine. Alving CR, et al. **Immunol Lett** 1990 Aug;25(1–3):275–9 (27 ref.)

METABOLISM

Lipopolysaccharide/lipid A receptors on lymphocytes and macrophages. Lei MG, et al. **Int Rev Immunol** 1990; 6(4):223–35 (67 ref.)

LIPID BILAYERS

Monolayers and planar or curved bilayers. Gabrielli G. **Adv Colloid Interface Sci** 1991 Jan;34:31–72 (76 ref.)

Is the mechanism of general anesthesia related to lipid membrane spontaneous curvature? Gruner SM, et al. **Ann N Y Acad Sci** 1991;625:685–97 (35 ref.)

Molecular details of anesthetic-lipid interaction. Smith IC, et al. **Ann N Y Acad Sci** 1991;625:668–84 (29 ref.)

Molecular modelling of integral membrane proteins. Findlay JB, et al. **Biochem Soc Trans** 1990 Oct;18(5):838–40 (26 ref.)

Self-assembling bilayer lipid membranes on solid support. Tien HT, et al. **Biotechnol Appl Biochem** 1990 Oct; 12(5):478–84 (28 ref.)

Lipid bilayer-based sensors and biomolecular electronics. Tien HT, et al. **Crit Rev Biomed Eng** 1991;18(5):323–40 (133 ref.)

Synexin (annexin VII): a cytosolic calcium-binding protein which promotes membrane fusion and forms calcium channels in artificial bilayer and natural membranes. Pollard HB, et al. **J Membr Biol** 1990 Aug;117(2):101–12 (38 ref.)

Reconstitution of receptors and G proteins in phospholipid vesicles. Cerione RA, et al. **Methods Enzymol** 1991; 195:329–42 (47 ref.)

Structures in colloidal physical chemistry. Prost J, et al. **Nature** 1991 Apr 18;350(6319 Suppl):11–23 (125 ref.)

Phospholipase A2 at the bilayer interface. Ramirez F, et al. **Proteins** 1991;9(4):229–39 (42 ref.)

METABOLISM

Molecular insights into enzymes of membrane bilayer assembly. Hjelmstad RH, et al. **Biochemistry** 1991 Feb 19; 30(7):1731–40 (90 ref.)

Membrane insertion and lateral mobility of synthetic amphiphilic signal peptides in lipid model membranes. Tamm LK. **Biochim Biophys Acta** 1991 Jul 22; 1071(2):123–48 (150 ref.)

RADIATION EFFECTS

The effect of ionizing radiation on lipid membranes. Stark G. **Biochim Biophys Acta** 1991 Jul 22;1071(2):103–22 (117 ref.)

LIPID EMULSIONS, INTRAVENOUS see **FAT EMULSIONS, INTRAVENOUS**

LIPID METABOLISM, INBORN ERRORS

Defects of fatty-acid oxidation in muscle. Angelini C. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):561–82 (59 ref.)

Cerebrotendinous xanthomatosis: clinical and biochemical evaluation of eight patients and review of the literature. Kuriyama M, et al. **J Neurol Sci** 1991 Apr;102(2):225–32 (82 ref.)

COMPLICATIONS

Sudden infant death syndrome and inherited disorders of fatty acid beta-oxidation. Harpey JP, et al. **Biol Neonate** 1990; 58 Suppl 1:70–80 (59 ref.)

DIAGNOSIS

The laboratory diagnosis of inborn errors of mitochondrial fatty acid oxidation. Bennett MJ. **Ann Clin Biochem** 1990 Nov;27 (Pt 6):519–31 (78 ref.)

METABOLISM

Impaired skin fibroblast carnitine uptake in primary systemic carnitine deficiency manifested by childhood carnitine-responsive cardiomyopathy. Tein I, et al. **Pediatr Res** 1990 Sep;28(3):247–55 (33 ref.)

PATHOLOGY

Hyperlipidemias, lipid storage disorders, metal storage disorders, and ochronosis. Rooney PJ. **Curr Opin Rheumatol** 1991 Feb;3(1):166–71 (61 ref.)

LIPID PEROXIDATION

Lipid peroxidation and membrane damage of the heart. Ytrehus K, et al. **Acta Physiol Scand Suppl** 1991;599:81–91 (52 ref.)

Metabolic aspects of membrane lipid peroxidation. Wilhelm J. **Acta Univ Carol [Med Monogr] (Praha)** 1990;137:1–53 (715 ref.)

Role of oxidative stress in development of complications in diabetes. Baynes JW. **Diabetes** 1991 Apr;40(4):405–12 (44 ref.)

Oxidized low density lipoproteins: a role in the pathogenesis of atherosclerosis in diabetes? Lyons TJ. **Diabetic Med** 1991 Jun;8(5):411–9 (85 ref.)

Malondialdehyde and thiobarbituric acid-reactivity as diagnostic indices of lipid peroxidation and peroxidative tissue injury. Janero DR. **Free Radic Biol Med** 1990; 9(6):515–40 (196 ref.)

"Enzymatic" lipid peroxidation: reactions of mammalian lipoxygenases. Yamamoto S. **Free Radic Biol Med** 1991; 10(2):149–59 (120 ref.)

Ferritin, lipid peroxidation and redox-cycling xenobiotics. Winterbourn CC, et al. **Free Radic Res Commun** 1991;12–13 Pt 1:107–14 (26 ref.)

The biological significance of malondialdehyde determination in the assessment of tissue oxidative stress. Valenzuela A. **Life Sci** 1991;48(4):301–9 (53 ref.)

Fatty acids, lipid peroxidation and diseases. Bégin ME. **Proc Nutr Soc** 1990 Jul;49(2):261–7 (35 ref.)

[Membrane phospholipid peroxidation in renal insufficiency and chronic hemodialysis] Paul JL, et al. **Nephrologie** 1991; 12(1):4–7 (39 ref.) (Eng. Abstr.) **(Fre)**

[Anti-radical enzymes, oxygenated free radicals and lipoperoxydation in rheumatoid polyarthritis. Effects of treatment with D-penicillamine] Abella A, et al. **Rev Rhum Mal Osteoartic** 1990 Dec;57(12):855–61 (46 ref.) (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Protective role of vitamin E in biological systems. Packer L. **Am J Clin Nutr** 1991 Apr;53(4 Suppl):1050S–1055S (66 ref.)

[A review on studies of antioxidation of Chinese materia medica] Zhan H, et al. **Chung Kuo Chung Yao Tsa Chih** 1990 Oct;15(10):630–3, 641 (26 ref.) **(Chi)**

[Stimulation of microsomal lipid peroxidation as the effect of combined action of xylene and ethanol] Jajte J, et al. **Folia Med Cracov** 1990;31(3):193–9 (18 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Prostaglandins, glutathione metabolism, and lipid peroxidation in relation to inflammation in bovine mastitis. Atroshi F, et al. **Adv Exp Med Biol** 1990;264:203–7 (11 ref.)

[Lipid peroxidation injury of endothelial cells and atherosclerosis] Zhou M, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1990 Aug; 18(4):248–50 (15 ref.) **(Chi)**

[Free radicals and lipid peroxidation in cell biology: physiopathologic prospects] Emerit J, et al. **Pathol Biol (Paris)** 1991 Apr;39(4):316–27 (134 ref.) (Eng. Abstr.) **(Fre)**

[Free radicals and antioxidants] Pawłowicz Z, et al. **Wiad Lek** 1990 Sep 1–15;43(17–18):884–9 (30 ref.) (Eng. Abstr.) **(Pol)**

[Pathogenetic mechanisms of stress-induced aggravation of experimental influenza and its prevention] Frolov BA, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):50–4 (25 ref.) (Eng. Abstr.) **(Rus)**

[The role of lipid peroxidation in post-stress aggravation of influenza and the corrective effect od ionol] Inozemtseva LI, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):54–7 (17 ref.) (Eng. Abstr.) **(Rus)**

[Clinical importance of lipid peroxidation] Plukhnikov MS, et al. **Vestn Otorinolaringol** 1991 May–Jun;(3):88–91 (90 ref.) **(Rus)**

[Cerebral circulation and neurologic diseases related to oxidative stress. Free radicals and antioxidants] Romero D, et al. **Neurologia** 1990 Oct;5(8):271–83 (214 ref.) **(Spa)**

RADIATION EFFECTS

The effect of ionizing radiation on lipid membranes. Stark G. **Biochim Biophys Acta** 1991 Jul 22;1071(2):103–22 (117 ref.)

LIPID PEROXIDES

BLOOD

[Relation between kidney-deficiency, aging and free radicle-influence of tonifying kidney of free redicle] Liang XC. **Chung Hsi I Chieh Ho Tsa Chih** 1990 Aug;10(8):511–2 (18 ref.) **(Chi)**

METABOLISM

Peroxidase induced metabolism and lipid peroxide scavenging by antitumor agents Kolodziejczyk P, et al. **Adv Exp Med Biol** 1990;264:323–38 (14 ref.)

The biological significance of malondialdehyde determination in the assessment of tissue oxidative stress. Valenzuela A. **Life Sci** 1991;48(4):301–9 (53 ref.)

PHYSIOLOGY

[Free radicals, lipid peroxides and the nervous system] Jovičić A. **Vojnosanit Pregl** 1991 Jan–Feb;48(1):61–7 (56 ref.) **(Scr)**

LIPIDOSIS see **LIPOIDOSIS**

LIPIDS

Photoreactions of furocoumarins with biomolecules. Cadet J, et al. **J Photochem Photobiol B** 1990 Jun;6(1–2):197–206 (59 ref.)

Lipo-prostaglandin preparations. Mizushima Y. **Prostaglandins Leukot Essent Fatty Acids** 1991 Jan; 42(1):1–6 (35 ref.)

[Liposome chromatography: a new mode of separation using lipid bilayer] Lundahl P, et al. **Tanpakushitsu Kakusan Koso** 1990 Aug;35(11):1983–98 (46 ref.) **(Jpn)**

ANALYSIS

Approaches to lipid and lipoprotein analysis. Laker MF, et al. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):693–717 (128 ref.)

Changes in the quantitative and qualitative composition of fat from fish, due to seasonality and industrial and culinary processing. Varela G, et al. **Bibl Nutr Dieta** 1990;(46):104–9 (17 ref.)

Extracellular lipid deposition in atherosclerosis. Guyton JR, et al. **Eur Heart J** 1990 Aug;11 Suppl E:20–8 (15 ref.)

Bacterial lipids containing amino acids or peptides linked by amide bonds. Asselineau J. **Fortschr Chem Org Naturst** 1991;56:1–85 (223 ref.)

An overview of lipids of Candida albicans. Mishra P, et al. **Prog Lipid Res** 1990;29(2):65–85 (117 ref.)

BIOSYNTHESIS

Incorporation of xenobiotic carboxylic acids into lipids. Dodds PF. **Life Sci** 1991;49(9):629–49 (108 ref.)

[Alkoxyl lipids—relics of the organic world: their formation, biotransformation and evolution] Dembitskiĭ VM. **Biol Nauki** 1991;(2):5–25 (101 ref.) (Eng. Abstr.) **(Rus)**

[The lipids of mycelial fungi and the prospects for the development of microbial oleo-biotechnology. I. The lipids of mycelial fungi] Feofilova EP. **Biol Nauki** 1990;(11):5–25 (81 ref.) (Eng. Abstr.) **(Rus)**

BLOOD

Antihypertensive therapy: taking lipids into consideration. Grimm RH Jr. **Am Heart J** 1991 Sep;122(3 (Pt 2)):910–8 (51 ref.)

Effects of celiprolol and other antihypertensive agents on serum lipids and lipoproteins. Hunninghake DB. **Am Heart J** 1991 Feb;121(2 (Pt 2)):696–701 (48 ref.)

Effects of doxazosin on serum lipids: a review of the clinical data and molecular basis for altered lipid metabolism. Pool JL. **Am Heart J** 1991 Jan;121(1 (Pt 2)):251–9; discussion 259–60 (70 ref.)

Effects of long-term verapamil therapy on serum lipids and other metabolic parameters. Midtbø KA. **Am J Cardiol** 1990 Dec 18;66(21):131I–15I (27 ref.)

Acebutolol effects on lipid profile [published erratum appears in Am J Cardiol 1990 Dec 1;66(19):A8] Schnaper HW. **Am J Cardiol** 1990 Sep 25;66(9):49C–54C (6 ref.)

Serum lipids in patients with chronic renal failure on long-term, protein-restricted diets. Maschio G, et al. **Am J Med** 1989 Nov;87(5N):51N–54N (19 ref.)

Genetic forms of dyslipidemia in children. Drash AL. **Ann N Y Acad Sci** 1991;623:222–38 (51 ref.)

Plasma lipid and lipoprotein levels in childhood. Kwiterovich PO Jr. **Ann N Y Acad Sci** 1991;623:90–107 (66 ref.)

Effect of exercise on lipids. Schieken RM. **Ann N Y Acad Sci** 1991;623:269–74 (25 ref.)

Methodological considerations on intra- versus interpopulation correlation studies. de Backer G. **Ann Nutr Metab** 1991;35 Suppl 1:84–8 (8 ref.)

Basic data related to lipid abnormalities in peripheral vascular disease. Rapp JH. **Ann Vasc Surg** 1990 Nov;4(6):604–8 (79 ref.)

Should there be intervention to alter serum lipids in children? Mauer AM. **Annu Rev Nutr** 1991;11:375–91 (96 ref.)

A rationale for setting target plasma lipid levels to reverse atherosclerosis. Parker TS, et al. **Beitr Infusionther** 1988; 23:132–7 (12 ref.)

Rapidly changing lipid levels: some questions. Stern TN. **Beitr Infusionther** 1988;23:138–41 (7 ref.)

Biosynthesis and dynamics of lipids in Plasmodium-infected mature mammalian erythrocytes. Vial HJ, et al. **Blood Cells** 1990;16(2–3):531–55; discussion 556–61 (122 ref.)

Introduction: lipids and coronary disease—resolved and unresolved problems. Oliver MF. **Br Med Bull** 1990 Oct; 46(4):865–72 (0 ref.)

Lipids, lipoproteins, and coronary heart disease: implications for antihypertensive therapy. Feher MD, et al. **Cardiovasc Drugs Ther** 1989 Jun;3 Suppl 1:333–40 (53 ref.)

Lipid effects of antihypertensive drugs. Leren P. **Clin Exp Hypertens [A]** 1990;12(5):761–8 (15 ref.)

Diet and exercise as regulators of lipid risk factors. Lewis B. **Drugs** 1990;40 Suppl 1:19–24; discussion 24–5 (15 ref.)

Pharmacological intervention for altering lipid metabolism. Miller NE. **Drugs** 1990;40 Suppl 1:26–31; discussion 32 (19 ref.)

HDL metabolism and its role in lipid transport. Miller NE. **Eur Heart J** 1990 Dec;11 Suppl H:1–3 (6 ref.)

Metabolic effects of ACE inhibitors. Berne C. **J Intern Med Suppl** 1991;735:119–25 (48 ref.)

Atherosclerosis and lipid disorders after renal transplantation. Drüeke TB, et al. **Kidney Int Suppl** 1991 Apr;31:S24–8 (52 ref.)

Exercise training, serum lipids, and lipoprotein particles: is there a change threshold? Superko HR. **Med Sci Sports Exerc** 1991 Jun;23(6):677–85 (85 ref.)

Postprandial lipemia and reverse cholesterol transport. **Nutr Rev** 1990 Sep;48(9):350–2 (6 ref.)

Serum lipids and risk of breast cancer. Vatten LJ. **Scand J Clin Lab Invest Suppl** 1990;202:86–9 (21 ref.)

Influence of omega 3 fatty acids on blood lipids. Sanders TA. **World Rev Nutr Diet** 1991;66:358–66 (31 ref.)

[The diagnosis of lipid metabolic disorders] Windler E, et al. **Dtsch Med Wochenschr** 1991 Jan 25;116(4):143–7 (17 ref.) **(Ger)**

[Dyslipidemia in diabetes mellitus: significance, diagnosis and treatment] Keller U, et al. **Schweiz Rundsch Med Prax** 1990 Oct 9;79(41):1199–204 (28 ref.) (Eng. Abstr.) **(Ger)**

[Disorders of lipid metabolism and insurance medicine practice] Mayer-Ohly E. **Versicherungsmedizin** 1991 Jun 1;43(3):65–71 (49 ref.) (Eng. Abstr.) **(Ger)**

[Serum elastinolytic activity and blood lipids in various clinical forms of arteriosclerosis and in acute myocardial infarct] Landi A, et al. **Orv Hetil** 1991 May 19; 132(20):1075–9 (55 ref.) (Eng. Abstr.) **(Hun)**

[Estimation of the degree of metabolism-energy maturity in the premature newborn infant: plasma lipid profile and lipid transport systems] Campoy Folgoso C, et al. **An Esp Pediatr** 1990 Sep;33(3):237–44 (65 ref.) (Eng. Abstr.) **(Spa)**

[Effects of intra-partum stress on lipid metabolism. Adaptation of plasma lipid transport systems in neonates] Campoy Folgoso C, et al. **An Esp Pediatr** 1990 Sep; 33(3):245–52 (64 ref.) (Eng. Abstr.) **(Spa)**

[New studies: lipid regulation prevents development of atherosclerosis] Olsson AG. **Lakartidningen** 1991 Jun 19; 88(25):2289–92 (15 ref.) **(Swe)**

CHEMICAL SYNTHESIS

[Ether lipids—synthesis and application in tumor therapy] Zeisig R, et al. **Pharmazie** 1990 Nov;45(11):809–18 (133 ref.) **(Ger)**

CHEMISTRY

Isothermal lipid phase transitions. Cevc G. **Chem Phys Lipids** 1991 Mar;57(2–3):293–307 (89 ref.)

On the reversibility of the phase transitions in lipid-water systems. Tenchov B. **Chem Phys Lipids** 1991 Mar; 57(2–3):165–77 (100 ref.)

Higher aliphatic 2,4-diketones: a ubiquitous lipid class with chelating properties, in search of a physiological function. Douglas DE. **J Lipid Res** 1991 Apr;32(4):553–8 (4 ref.)

Microbial lipids betrayed by their fossils. Ourisson G, et al. **Microbiol Sci** 1987 Feb;4(2):52–7 (29 ref.)

GENETICS

The genetics of plant lipids. Ohlrogge JB, et al. **Biochim Biophys Acta** 1991 Feb 26;1082(1):1-26 (190 ref.)

METABOLISM

Interactions of lipases with lipid monolayers. Facts and questions. Piéroni G, et al. **Adv Colloid Interface Sci** 1990 Sep;32(4):341-78 (62 ref.)

The role of altered lipid metabolism in the progression of renal disease: experimental evidence. Keane WF, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):38-42 (37 ref.)

The decline of the immune response during aging: the role of an altered lipid metabolism. Wick G, et al. **Ann N Y Acad Sci** 1991;621:277-90 (49 ref.)

Functional consequences of lipid-mediated protein-membrane interactions. Saltiel AR, et al. **Biochem Pharmacol** 1991 Jun 21;42(1):1-11 (115 ref.)

Lipid transport function of lipoproteins in flying insects. Van der Horst DJ. **Biochim Biophys Acta** 1990 Dec 4; 1047(3):195-211 (144 ref.)

Lipid metabolism in anaerobic ecosystems. Mackie RI, et al. **Crit Rev Microbiol** 1991;17(6):449-79 (280 ref.)

Lipid traffic in eukaryotic cells: mechanisms for intracellular transport and organelle-specific enrichment of lipids. Pagano RE. **Curr Opin Cell Biol** 1990 Aug;2(4):652-63 (17 ref.)

Biguanides and sulfonylureas as combination therapy in NIDDM. Hermann LS. **Diabetes Care** 1990 Aug;13 Suppl 3:37-41 (26 ref.)

Effect of antihypertensive drugs on insulin, glucose, and lipid metabolism. Lithell HO. **Diabetes Care** 1991 Mar; 14(3):203-9 (35 ref.)

The effects of xenobiotics on hepatic lipid and lipo-protein metabolism. Niemann R. **Exp Pathol** 1990;39(3-4):213-32 (71 ref.)

Role of phospholipase in generating lipid second messengers in signal transduction. Dennis EA, et al. **FASEB J** 1991 Apr;5(7):2068-77 (51 ref.)

Protein, lipid and DNA repair systems in oxidative stress: the free-radical theory of aging revisited. Pacifici RE, et al. **Gerontology** 1991;37(1-3):166-80 (84 ref.)

Physical chemistry of biliary lipids during bile formation. Cohen DE, et al. **Hepatology** 1990 Sep;12(3 Pt 2):143S-147S; discussion 147S-148S (37 ref.)

Chemical species of lipids in bile. Hay DW, et al. **Hepatology** 1990 Sep;12(3 Pt 2):6S-14S; discussion 14S-16S (55 ref.)

Quasielastic light scattering studies of aqueous biliary lipid systems and native bile. Mazer NA. **Hepatology** 1990 Sep; 12(3 Pt 2):39S-44S (31 ref.)

Structural studies of the lipid components of bile. Shipley GG. **Hepatology** 1990 Sep;12(3 Pt 2):33S-37S; discussion 37S-38S (17 ref.)

Characterization and physiological role of epidermal lipids. Brod J. **Int J Dermatol** 1991 Feb;30(2):84-90 (91 ref.)

The contents of proteins, carbohydrates, lipids and DNA during the embryogenesis of Drosophila. Medina M, et al. **Int J Dev Biol** 1989 Sep;33(3):403-5 (14 ref.)

Lipid activation of protein kinase C. Bell RM, et al. **J Biol Chem** 1991 Mar 15;266(8):4661-4 (77 ref.)

Lipid modification of proteins and its relevance to protein targeting. Magee AI. **J Cell Sci** 1990 Dec;97 (Pt 4):581-4 (36 ref.)

Substrate interactions in the development of insulin resistance in type II diabetes and obesity. Sugden MC, et al. **J Endocrinol** 1990 Nov;127(2):187-90 (26 ref.)

Dynamics of insect lipophorin metabolism. Ryan RO. **J Lipid Res** 1990 Oct;31(10):1725-39 (108 ref.)

Amphipathic lipid metabolites and their relation to arrhythmogenesis in the ischemic heart. DaTorre SD, et al. **J Mol Cell Cardiol** 1991 Feb;23 Suppl 1:11-22 (43 ref.)

Lipids and progressive kidney disease. Moorhead JF. **Kidney Int Suppl** 1991 Apr;31:S35-40 (44 ref.)

Effects of exercise training on glucose control, lipid metabolism, and insulin sensitivity in hypertriglyceridemia and non-insulin dependent diabetes mellitus. Lampman RM, et al. **Med Sci Sports Exerc** 1991 Jun;23(6):703-12 (60 ref.)

Response of hormones and lipid metabolism to different dietary proteins. Barth CA, et al. **Monogr Atheroscler** 1990; 16:110-25 (92 ref.)

A role for isoprenoid lipids in the localization and function of an oncoprotein. Rine J, et al. **New Biol** 1990 Mar; 2(3):219-26 (42 ref.)

Gastric lipase and digestion of human milk fat. **Nutr Rev** 1990 Oct;48(10):385-7 (8 ref.)

Lipid metabolism and the neonatal chicken. Noble RC, et al. **Prog Lipid Res** 1990;29(2):107-40 (208 ref.)

Lipid metabolism and signal transduction in endothelial cells. Whatley RE, et al. **Prog Lipid Res** 1990;29(1):45-63 (164 ref.)

Nonenzymatic proteins mediating intracellular lipid transport and metabolism. Current status and emerging trends. Spener F, et al. **Subcell Biochem** 1990;16:1-19 (86 ref.)

Pathology of the central nervous system with special reference to the lipids. Sourander P. **Ups J Med Sci Suppl** 1990;48:145-72 (32 ref.)

Effects of omega 3 fatty acids on glucose and lipid metabolism in non-insulin-dependent diabetes mellitus. Vessby B. **World Rev Nutr Diet** 1991;66:407-16 (22 ref.)

[Essential trace element--chromium] Cheng YY. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):349-52 (40 ref.) **(Chi)**

[The mucosa of the small intestine: development of the cellular lipid composition during enterocyte differentiation and postnatal maturation] Alessandri JM, et al. **Reprod Nutr Dev** 1990;30(5):551-76 (108 ref.) (Eng. Abstr.) **(Fre)**

[The therapy of lipid metabolic disorders] Windler E, et al. **Dtsch Med Wochenschr** 1991 Feb 1;116(5):181-5 (22 ref.) **(Ger)**

[Lipoprotein (a)--is it a connecting link between fat metabolism and coagulation?] Riesen WF. **Z Med Lab Diagn** 1991;32(3-4):147-9 (13 ref.) **(Ger)**

["Silicon--metabolic aspects of its effect on human body"] Najda J, et al. **Przegl Lek** 1990;47(11):756-9 (21 ref.) **(Pol)**

PHARMACOKINETICS

Glomerular structures and lipids in progressive renal disease. Moorhead JF, et al. **Am J Med** 1989 Nov;87(5N):12N-20N (75 ref.)

Newly recognized lipid carrier proteins in fetal life. Subbiah MT. **Proc Soc Exp Biol Med** 1991 Oct;198(1):495-9 (61 ref.)

PHARMACOLOGY

Replacement of vertebrate serum with lipids and other factors in the culture of invertebrate cells, tissues, parasites, and pathogens. Goodwin RH. **In Vitro Cell Dev Biol** 1991 Jun; 27A(6):470-8 (216 ref.)

PHYSIOLOGY

Genetic differences in susceptibility to glomerular sclerosis: a role for lipids? Grond J, et al. **Am J Med** 1989 Nov; 87(5N):30N-33N (20 ref.)

Higher aliphatic 2,4-diketones: a ubiquitous lipid class with chelating properties, in search of a physiological function. Douglas DE. **J Lipid Res** 1991 Apr;32(4):553-8 (4 ref.)

Lipid activators of protein kinase C. Chauhan VP, et al. **Life Sci** 1990;47(12):981-6 (45 ref.)

Dietary omega-3 fatty acids: effects on lipid mediators of inflammation and rheumatoid arthritis. Sperling RI. **Rheum Dis Clin North Am** 1991 May;17(2):373-89 (55 ref.)

SECRETION

Biliary lipid secretion in man. Lanzini A, et al. **Eur J Clin Invest** 1991 Jun;21(3):259-72 (189 ref.)

Fluorescence assays to monitor membrane fusion: potential application in biliary lipid secretion and vesicle interactions. Hoekstra D. **Hepatology** 1990 Sep;12(3 Pt 2):61S-66S (16 ref.)

Secretion of biliary lipids from the hepatocyte. Marzolo MP, et al. **Hepatology** 1990 Sep;12(3 Pt 2):134S-141S; discussion 141S-142S (59 ref.)

LIPODYSTROPHY

SURGERY

[Barraquer-Simons syndrome and facial lipo-filling. Apropos of a case] Ducours JL, et al. **Rev Stomatol Chir Maxillofac** 1991;92(2):105-11 (28 ref.) (Eng. Abstr.) **(Fre)**

LIPODYSTROPHY, INTESTINAL

COMPLICATIONS

[Whipple's disease with sarcoidosis-like cutaneous manifestations] Frenk E, et al. **Ann Dermatol Venereol** 1991; 118(2):115-8 (20 ref.) **(Fre)**

[Constrictive pericarditis and Whipple's disease] Freychet L, et al. **Arch Mal Coeur** 1990 Oct;83(11):1729-32 (10 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Whipple's disease, familial Mediterranean fever, and adult-onset Still's disease. McMenemy A. **Curr Opin Rheumatol** 1990 Aug;2(4):600-4 (23 ref.)

LIPOFUSCIN

ANALYSIS

Lipofuscin as an indicator of oxidative stress and aging. Sohal RS, et al. **Adv Exp Med Biol** 1989;266:17-26; discussion 27-9 (24 ref.)

Ceroid lipofuscin in Hermansky-Pudlak syndrome and neuronal ceroid lipofuscinoses. Puranen M. **Proc Finn Dent Soc** 1990;86(2):99-102 (13 ref.)

BIOSYNTHESIS

Lipofuscin and ceroid formation: the cellular recycling system. Harman D. **Adv Exp Med Biol** 1989;266:3-15 (100 ref.)

METABOLISM

Incomplete proteolysis may contribute to lipofuscin accumulation in the retinal pigment epithelium. Katz ML. **Adv Exp Med Biol** 1989;266:109-16; discussion 116-8 (30 ref.)

LIPOIDOSIS

CHEMICALLY INDUCED

Aminoglycoside-induced renal phospholipidosis and nephrotoxicity. Laurent G, et al. **Biochem Pharmacol** 1990 Dec 1;40(11):2383-92 (95 ref.)

Human accumulation potential of xenobiotics: potential of catamphiphilic drugs to promote their accumulation via inducing lipidosis or mucopolysaccharidosis. Hein L, et al. **Xenobiotica** 1990 Nov;20(11):1259-67 (27 ref.)

LIPOLYSIS

DRUG EFFECTS

Lipolytic effects of heparin and low molecular weight heparin and their importance in hemodialysis. Schrader J, et al. **Semin Thromb Hemost** 1990 Oct;16 Suppl:41-5 (45 ref.)

LIPOLYSIS, SUCTION see **LIPECTOMY**

LIPOMA

Hepatic myelolipoma: new case and review of the literature. Moreno Gonzalez E, et al. **Hepatogastroenterology** 1991 Feb;38(1):60-3 (13 ref.)

[Retroperitoneal lipomas in children. Apropos of a new case. Review of the literature] de Lagausie P, et al. **Ann Urol (Paris)** 1990;24(6):477-80 (15 ref.) (Eng. Abstr.) **(Fre)**

[Angiolipoma of the central nervous system] Weill A, et al. **Rev Neurol (Paris)** 1991;147(4):285-92 (44 ref.) (Eng. Abstr.) **(Fre)**

[A case report of multiple lipomas of the alimentary tract and gall bladder combined with early gastric cancer] Tokoro Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Feb;88(2):175-9 (20 ref.) **(Jpn)**

[Diagnosis and treatment of renal angiomyolipoma] Martínez García R, et al. **Arch Esp Urol** 1989 Sep;42(7):661-9 (85 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Thymolipoma in association with myasthenia gravis. Le Marc'hadour F, et al. **Am J Surg Pathol** 1991 Aug; 15(8):802-9 (39 ref.)

Spontaneous rupture of renal angiomyolipoma. Kurokawa K, et al. **Hinyokika Kiyo** 1991 Apr;37(4):377-80 (11 ref.)

[The role of episacroiliac lipomas as a cause of pseudolumbago-sciatica syndromes] Rosati E, et al. **Arch Putti Chir Organi Mov** 1990;38(2):339-47 (12 ref.) (Eng. Abstr.) **(Ita)**

[Multiple calcified adrenal myelolipoma suggestive of association of primary aldosteronism: report of a case] Kim CJ, et al. **Hinyokika Kiyo** 1991 Feb;37(2):151-5 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Gastric lipoma: an infrequent cause of upper digestive hemorrhage] Pérez Cabañas I, et al. **Rev Esp Enferm Dig** 1990 Sep;78(3):163-5 (21 ref.) (Eng. Abstr.) **(Spa)**

CONGENITAL

[Congenital perineal lipoma with accessory scrotum: a case report] Morita T, et al. **Hinyokika Kiyo** 1991 Jun; 37(6):647-9 (8 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Curvilinear and tubulonodular varieties of lipoma of the corpus callosum: an MR and CT study. Tart RP, et al. **J Comput Assist Tomogr** 1991 Sep-Oct;15(5):805-10 (52 ref.)

An infantile case of infiltrating lipoma in the buttock. Kubota M, et al. **J Pediatr Surg** 1991 Feb;26(2):230-2 (16 ref.)

[Benign neoplasms of the small intestine] Pandolfi U, et al. **Chir Ital** 1990 Jun-Aug;42(3-4):119-29 (18 ref.) (Eng. Abstr.) **(Ita)**

[Tumors of the adipose tissue during 10 years of diagnostic activities (1979-1988)] Grandi E, et al. **Pathologica** 1990 May-Jun;82(1079):217-56 (64 ref.) (Eng. Abstr.) **(Ita)**

[Cerebellopontine angle lipoma: a case report] Matsumoto K, et al. **No Shinkei Geka** 1990 Nov;18(11):1059-64 (26 ref.) (Eng. Abstr.) **(Jpn)**

[Adrenal gland myelolipoma: diagnostic and therapeutic aspects] Castiñeiras Fernández J, et al. **Actas Urol Esp** 1991 Jan-Feb;15(1):73-7 (32 ref.) (Eng. Abstr.) **(Spa)**

[Embryonal fatty tumors. Lipoblastoma-lipoblastomatosis] Marqués Gubern A, et al. **Cir Pediatr** 1990 Jul;3(3):109-12 (16 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Computed tomography-guided fine needle aspiration biopsy of adrenal myelolipoma. Case report and review of the literature. Dunphy CH. **Acta Cytol** 1991 May-Jun; 35(3):353-6 (10 ref.)

Mediastinal hibernoma, a rare tumor. Ahn C, et al. **Ann Thorac Surg** 1990 Nov;50(5):828-30 (15 ref.)

Thyrolipoma: diagnostic pitfalls in the cytologic diagnosis and review of the literature. Rollins SD, et al.

Diagn Cytopathol 1991;7(2):150–4 (19 ref.)
Lipoleiomyoma of the ovary: report of a case and review of the English literature. Mira JL.
Int J Gynecol Pathol 1991;10(2):198–202 (17 ref.)
Annular colon lipoma: a case report and review of the literature. Notaro JR, et al. **Surgery** 1991 Sep;110(3):570–2 (19 ref.)
[Tumors of the adipose tissue during 10 years of diagnostic activities (1979–1988)] Grandi E, et al. **Pathologica** 1990 May–Jun;82(1079):217–56 (64 ref.) (Eng. Abstr.) **(Ita)**
[A case of retroperitoneal pleomorphic lipoma] Fukui Y, et al. **Hinyokika Kiyo** 1991 Apr;37(4):373–6 (10 ref.) (Eng. Abstr.) **(Jpn)**
[Renal angiomyolipoma with lymphatic involvement] Llarena Ibarguren R, et al. **Arch Esp Urol** 1991 Jan–Feb; 44(1):75–6 (11 ref.) (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Gastrointestinal lipomas: a radiologic and pathologic review. Taylor AJ, et al. **AJR Am J Roentgenol** 1990 Dec; 155(6):1205–10 (8 ref.)

LIPOMATOSIS

COMPLICATIONS

Pelvic lipomatosis in a female: diagnosis and initial therapy. Hönecke K, et al. **Urol Int** 1991;46(1):93–5 (13 ref.)
[A case of epidural lipomatosis presenting spinal ataxia] Tsuzaka K, et al. **Rinsho Shinkeigaku** 1991 Feb;31(2):206–9 (11 ref.) (Eng. Abstr.) **(Jpn)**

CONGENITAL

Regional macrodontia and regional bony enlargement associated with congenital infiltrating lipomatosis of the face presenting as unilateral facial hyperplasia. Brief review and case report. MacMillan AR, et al.
Int J Oral Maxillofac Surg 1990 Oct;19(5):283–6 (15 ref.)

DIAGNOSIS

Pelvic lipomatosis: a review of its diagnosis and management. Heyns CF. **J Urol** 1991 Aug;146(2):267–73 (101 ref.)
[Embryonal fatty tumors. Lipoblastoma–lipoblastomatosis] Marqués Gubern A, et al. **Cir Pediatr** 1990 Jul;3(3):109–12 (16 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Macrodystrophia lipomatosis in the foot. A case report and review of the literature. Greiss ME, et al.
Arch Orthop Trauma Surg 1991;110(4):220–1 (14 ref.)

LIPOMATOSIS, MULTIPLE SYMMETRICAL

DIAGNOSIS

[Multiple symmetrical lipomatosis and chronic alcoholism] Grau Martín A, et al. **An Med Interna** 1989 Dec;6(12):635–8 (16 ref.) (Eng. Abstr.) **(Spa)**

LIPOMATOSIS, NODULAR CIRCUMSCRIBED see **LIPOMATOSIS, MULTIPLE SYMMETRICAL**

LIPOMUCOPOLYSACCHARIDOSIS see **MUCOLIPIDOSIS**

LIPOPOLYSACCHARIDES

The ultrastructural morphology of endotoxins and lipopolysaccharides. Brogden KA, et al.
Electron Microsc Rev 1988;1(2):261–78 (96 ref.)

CHEMISTRY

Bacterial lipopolysaccharides: structure, metabolism and mechanisms of action. Freudenberg MA, et al.
Int Rev Immunol 1990;6(4):207–21 (58 ref.)
[New data on the chemical structure of lipopolysaccharides and the practical prospects] Iarovaia LM, et al.
Zh Mikrobiol Epidemiol Immunobiol 1991 Mar;(3):73–8 (47 ref.) **(Rus)**

DIAGNOSTIC USE

Shigellosis in Vietnam: seroepidemiologic studies with use of lipopolysaccharide antigens in enzyme immunoassays. Lindberg AA, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S231–7 (23 ref.)

IMMUNOLOGY

Antibodies to lipopolysaccharides: some diagnostic and protective aspects. Fomsgaard A. **APMIS Suppl** 1990; 18:1–38 (138 ref.)
Anti-lipopolysaccharide antibodies in gram-negative bacteremia. Baumgartner JD. **Behring Inst Mitt** 1991 Feb; (88):216–21 (20 ref.)
Polysaccharide antigens of Pseudomonas aeruginosa. Knirel YA. **Crit Rev Microbiol** 1990;17(4):273–304 (231 ref.)
Monoclonal anti-endotoxin antibodies for the treatment of gram-negative bacteremia and septic shock. Baumgartner JD. **Eur J Clin Microbiol Infect Dis** 1990 Oct;9(10):711–6 (30 ref.)
Lipopolysaccharides of oral anaerobes associated with chronic inflammation: chemical and immunomodulating properties. Hamada S, et al. **Int Rev Immunol** 1990; 6(4):247–61 (120 ref.)
Endotoxin as an alarm signal of bacterial invasion: current evidence and implications. LeGrand EK.
J Am Vet Med Assoc 1990 Aug 15;197(4):454–6 (40 ref.)
Development and potential use of antibody directed against lipopolysaccharide for the treatment of gram-negative bacterial sepsis. Dunn DL. **J Trauma** 1990 Dec;30(12 Suppl):S100–6 (71 ref.)

METABOLISM

How do animal phagocytes process bacterial lipopolysaccharides? Munford RS. **APMIS** 1991 Jun; 99(6):487–91 (34 ref.)
Biological properties of staphylococcal lipoteichoic acid and related macromolecules. Ohshima Y, et al.
Int J Med Microbiol 1990 Dec;274(3):359–65 (40 ref.)
Lipopolysaccharide/lipid A receptors on lymphocytes and macrophages. Lei MG, et al. **Int Rev Immunol** 1990; 6(4):223–35 (67 ref.)
A new model of macrophage stimulation by bacterial lipopolysaccharide. Ulevitch RJ, et al. **J Trauma** 1990 Dec; 30(12 Suppl):S189–92 (25 ref.)

PHARMACOLOGY

HIV-infection and in vivo lipopolysaccharide-induced release of cytokines. An amplified mechanism of damage to the host. Jirillo E, et al. **Acta Neurol (Napoli)** 1991 Apr; 13(2):188–96 (34 ref.)
Signals involved in interleukin 1 synthesis and release by lipopolysaccharide-stimulated monocytes/macrophages. Cavaillon JM, et al. **Cytokine** 1990 Sep;2(5):313–29 (210 ref.)

PHYSIOLOGY

The lipopolysaccharide of Shigella bacteria as a virulence factor. Lindberg AA, et al. **Rev Infect Dis** 1991 Mar–Apr; 13 Suppl 4:S279–84 (30 ref.)

LIPOPROTEIN LIPASE

METABOLISM

What factors regulate the action of lipoprotein lipase? Olivecrona T, et al. **Adv Exp Med Biol** 1991;285:335–9 (10 ref.)
Lipoprotein lipase. Bensadoun A. **Annu Rev Nutr** 1991; 11:217–37 (78 ref.)
[Hormonal regulation of lipoprotein lipase activity] Piskorska D, et al. **Przegl Lek** 1990;47(11):760–2 (43 ref.) **(Pol)**

PHYSIOLOGY

Cellular and secreted lipoprotein lipase revisited. Ailhaud G. **Clin Biochem** 1990 Oct;23(5):343–7 (31 ref.)
[Role of hepatic lipases, cholesterol ester transfer proteins and LCAT in the postprandial phase] van Tol A.
Klin Wochenschr 1990;68 Suppl 22:23–8 (35 ref.) (Eng. Abstr.) **(Ger)**

LIPOPROTEIN LIPASE DEFICIENCY, FAMILIAL

BLOOD

[Chylomicronemia syndrome—pathophysiology, clinical aspects and therapy] Klör HU. **Klin Wochenschr** 1990;68 Suppl 22:68–75 (66 ref.) **(Ger)**

LIPOPROTEINS

see related
APOLIPOPROTEINS
PROTEOLIPIDS

Lipoprotein(a): structure, biology, and clinical relevance. Scanu AM, et al. **Adv Intern Med** 1991;36:249–70 (87 ref.)
Lipoprotein (a): structure, properties and possible involvement in thrombogenesis and atherogenesis. MBewu AD, et al. **Atherosclerosis** 1990 Nov;85(1):1–14 (109 ref.)
Lipoprotein(a). Scanu AM.
Baillieres Clin Endocrinol Metab 1990 Dec;4(4):939–46 (13 ref.)
The lipoprotein-associated coagulation inhibitor. Broze GJ Jr, et al. **Prog Hemost Thromb** 1991;10:243–68 (131 ref.)
[Lipoproteins] Manso C. **Rev Port Cardiol** 1991 Feb; 10(2):155–70 (48 ref.) (Eng. Abstr.) **(Por)**

ANALYSIS

Approaches to lipid and lipoprotein analysis. Laker MF, et al. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):693–717 (128 ref.)
The unique lipoprotein(a): properties and immunochemical measurement. Albers JJ, et al. **Clin Chem** 1990 Dec; 36(12):2019–26 (90 ref.)

BIOSYNTHESIS

Boehringer Mannheim Award lecture. Phosphatidylcholine metabolism: masochistic enzymology, metabolic regulation, and lipoprotein assembly. Vance DE. **Biochem Cell Biol** 1990 Oct;68(10):1151–65 (116 ref.)

BLOOD

apoB-containing lipoprotein particles as risk factors for coronary artery disease. Alaupovic P, et al.
Adv Exp Med Biol 1991;285:299–309 (41 ref.)
Lipoproteins and diet in the pathogenesis of atherosclerosis. Anderson JW, et al. **Adv Exp Med Biol** 1990;273:245–58 (79 ref.)
Relations between smoking, food intake and plasma lipoproteins. Olsson AG, et al. **Adv Exp Med Biol** 1990; 273:237–43 (15 ref.)
Effects of celiprolol and other antihypertensive agents on serum lipids and lipoproteins. Hunninghake DB.
Am Heart J 1991 Feb;121(2 (Pt 2)):696–701 (48 ref.)
Antihypertensive agents, serum lipoproteins and glucose metabolism. Ferrari P, et al. **Am J Cardiol** 1991 Apr 22; 67(10):26B–35B (124 ref.)
Lipoprotein(a) and atherosclerosis. Scanu AM, et al.
Ann Intern Med 1991 Aug 1;115(3):209–18 (72 ref.)
Plasma cholesterol and lipoprotein levels during fetal development and infancy. Carlson SE.
Ann N Y Acad Sci 1991;623:81–9 (41 ref.)
Plasma lipid and lipoprotein levels in childhood. Kwiterovich PO Jr. **Ann N Y Acad Sci** 1991;623:90–107 (66 ref.)
International comparisons of plasma cholesterol and lipoproteins. Labarthe DR, et al. **Ann N Y Acad Sci** 1991; 623:108–19 (12 ref.)
Effect of fish oil on atherosclerosis and lipoprotein metabolism. Parks JS, et al. **Atherosclerosis** 1990 Oct; 84(2–3):83–94 (44 ref.)
Polyunsaturated fatty acids and coronary heart disease. Sanders TA. **Baillieres Clin Endocrinol Metab** 1990 Dec; 4(4):877–94 (105 ref.)
The NMR blood test for cancer: current status. Fossel ET. **Cancer Cells** 1991 May;3(5):173–82 (55 ref.)
Lipids, lipoproteins, and coronary heart disease: implications for antihypertensive therapy. Feher MD, et al.
Cardiovasc Drugs Ther 1989 Jun;3 Suppl 1:333–40 (53 ref.)
Lp(a) as a marker for coronary heart disease risk. Scanu AM. **Clin Cardiol** 1991 Feb;14(2 Suppl 1):I35–9 (23 ref.)
The role of lipoproteins and apolipoproteins in prediction of coronary heart disease risk. Breckenridge WC.
Clin Invest Med 1990 Aug;13(4):196–201 (55 ref.)
Menopause: estrogen replacement, osteoporosis, and serum lipoproteins. Gnatuk CL, et al.
Curr Opin Obstet Gynecol 1989 Dec;1(2):187–94 (15 ref.)
Extrahepatic cell membrane lipid abnormalities and cellular dysfunction in liver disease. Owen JS. **Drugs** 1990;40 Suppl 3:73–83 (81 ref.)
Triglyceride-rich lipoproteins and atherosclerosis. Schwandt P. **Drugs** 1990;40 Suppl 1:38–41 (14 ref.)
Lipoproteins and coronary heart disease in the Helsinki Heart Study. Mänttäri M, et al. **Eur Heart J** 1990 Dec;11 Suppl H:26–31 (18 ref.)
Serum lipoproteins as risk factors: recent epidemiologic studies in individuals with and without prevalent cardiovascular disease. Tyroler HA. **Eur Heart J** 1990 Dec; 11 Suppl H:21–5 (12 ref.)
Lipoproteins and atherogenesis. Current concepts. Steinberg D, et al. **JAMA** 1990 Dec 19;264(23):3047–52 (91 ref.)
Lipid abnormalities in renal disease [clinical conference] Appel G. **Kidney Int** 1991 Jan;39(1):169–83 (165 ref.)
Physiopathology of plasma lipoprotein metabolism. Scanu AM. **Kidney Int Suppl** 1991 Apr;31:S3–7 (11 ref.)
The interaction of prostaglandin E1 with serum lipoproteins. Possible role in cholesterol homeostasis. Bergelson LD.
Lipids 1990 Dec;25(12):767–74 (25 ref.)
Exercise training, serum lipids, and lipoprotein particles: is there a change threshold? Superko HR.
Med Sci Sports Exerc 1991 Jun;23(6):677–85 (85 ref.)
Effects of dietary fish protein on plasma cholesterol and lipoproteins in animal modes and in humans. Jacques H.
Monogr Atheroscler 1990;16:59–70 (36 ref.)
Lp(a)—an atherogenic risk factor in human serum? Gries A, et al. **Z Med Lab Diagn** 1990;31(7):355–60 (36 ref.)
[Effects of antihypertensive agents on lipoproteins and thrombocyte function] Birkebaek NH. **Ugeskr Laeger** 1990 Sep 24;152(39):2837–40 (30 ref.) (Eng. Abstr.) **(Dan)**
[Dyslipoproteinemia and diabetic nephropathy] Suraniti S, et al. **Diabete Metab** 1991 Mar–Apr;17(2):308–12 (22 ref.) **(Fre)**
[Lipoprotein (a): a new cardiovascular risk factor] Herbaut C. **Rev Med Brux** 1991 May;12(5):167–72 (15 ref.) (Eng. Abstr.) **(Fre)**
[Determination of potentially atherogenic triglyceride-rich lipoprotein particles] Alaupovic P, et al.
Klin Wochenschr 1990;68 Suppl 22:38–42 (29 ref.) (Eng. Abstr.) **(Ger)**
[Dietary modification of the postprandial phase] Canzler H.
Klin Wochenschr 1990;68 Suppl 22:76–82 (15 ref.) **(Ger)**
[Triglyceride-rich lipoproteins as risk factors for atherosclerosis] Schwandt P. **Klin Wochenschr** 1990;68 Suppl 22:54–8 (20 ref.) (Eng. Abstr.) **(Ger)**
[Plasma concentration of lipoprotein(a) and distribution of its subtypes in the healthy population of Hungary] Császár A, et al. **Orv Hetil** 1990 Sep 23;131(38):2071–5 (34 ref.) (Eng. Abstr.) **(Hun)**
[Lipid- and lipoprotein-cholesterol levels in the first 8 months of low-weight (less than or equal to 1500 g)

premature infants] Decsi T, et al. **Orv Hetil** 1991 Apr 30; 132(17):907–10 (33 ref.) (Eng. Abstr.) **(Hun)**

[Lipoprotein (a)] Airoldi G, et al. **Ann Ital Med Int** 1990 Oct–Dec;5(4 Pt 1):405–12 (60 ref.) (Eng. Abstr.) **(Ita)**

[The effect of omega 3 fatty acids on serum lipoproteins] Cybulska B, et al. **Wiad Lek** 1990 May 1–15; 43(9–10):438–44 (26 ref.) **(Pol)**

[Lipoprotein (a): a strong risk factor in atherosclerosis] Maranhão RC, et al. **Arq Bras Cardiol** 1990 May; 54(5):337–42 (68 ref.) **(Por)**

[Lipoprotein (a) as a risk factor in the development of atherosclerosis] Liakishev AA, et al. **Kardiologiia** 1991 Feb; 31(2):71–5 (106 ref.) **(Rus)**

CHEMISTRY

Similarities between glomerular sclerosis and atherosclerosis in human renal biopsy specimens: a role for lipoprotein glomerulopathy. Avram MM. **Am J Med** 1989 Nov; 87(5N):39N–41N (23 ref.)

CLASSIFICATION

Hyperlipoproteinemias: Part I. Lipoprotein classification and abnormalities [published erratum appears in S D J Med 1991 Mar;44(3):59] Vogt HB. **S D J Med** 1991 Feb; 44(2):43–6 (24 ref.)

GENETICS

Lipoprotein transport gene abnormalities underlying coronary heart disease susceptibility. Breslow JL. **Annu Rev Med** 1991;42:357–71 (94 ref.)

The Apo(a) gene: structure/function relationships and the possible link with thrombotic atheromatous disease. Rees A, et al. **Br Med Bull** 1990 Oct;46(4):873–90 (62 ref.)

METABOLISM

Recent advances in lipoprotein metabolism and the genetic dyslipoproteinemias. Brewer HB Jr, et al. **Adv Exp Med Biol** 1991;285:237–44 (38 ref.)

The endocytosis of lipoproteins by the liver and their intracellular pathway in comparison to other ligands. Jäckle S, et al. **Adv Exp Med Biol** 1991;285:319–24 (26 ref.)

Kinetics of heterogeneous populations of particles. Malmendier GL, et al. **Adv Exp Med Biol** 1991;285:223–32 (24 ref.)

The lipid surface of triglyceride-rich particles can modulate (apo)protein binding and tissue uptake. Small DM, et al. **Adv Exp Med Biol** 1991;285:281–8 (28 ref.)

Proteoglycans, lipoproteins, and atherosclerosis. Srinivasan SR, et al. **Adv Exp Med Biol** 1991;285:373–81 (16 ref.)

Prelesional modifications of the vessel wall in hyperlipidemic atherogenesis. Extracellular accumulation of modified and reassembled lipoproteins. Simionescu N, et al. **Ann N Y Acad Sci** 1990;598:1–16 (47 ref.)

Dietary copper: cholesterol and lipoprotein metabolism. Lei KY. **Annu Rev Nutr** 1991;11:265–83 (56 ref.)

Hyperlipidaemia and renal disease. Short CD, et al. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):777–806 (220 ref.)

Hyperlipidaemia in diabetes. Taskinen MR. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):743–75 (185 ref.)

Endothelium-derived relaxing factor (nitric oxide), lipoprotein oxidation and atherosclerosis. Bruckdorfer KR, et al. **Biochem Soc Trans** 1990 Dec;18(6):1061–3 (24 ref.)

Interactions of lipoproteins with vascular intima in atherosclerosis. Smith EB. **Biochem Soc Trans** 1991 Feb; 19(1):235–41 (38 ref.)

Lipid transport function of lipoproteins in flying insects. Van der Horst DJ. **Biochim Biophys Acta** 1990 Dec 4; 1047(3):195–211 (144 ref.)

Alpha-adrenergic blockers: mechanism of action, blood pressure control, and effects of lipoprotein metabolism. Nash DT. **Clin Cardiol** 1990 Nov;13(11):764–72 (40 ref.)

Lipoprotein metabolism of human and rabbit arterial cells in primary culture. Jaakkola O, et al. **Eur Heart J** 1990 Aug;11 Suppl E:128–33 (20 ref.)

Lipoproteins of human peripheral lymph. Reichl D. **Eur Heart J** 1990 Aug;11 Suppl E:230–6 (40 ref.)

The effects of xenobiotics on hepatic lipid and lipo-protein metabolism. Niemann R. **Exp Pathol** 1990;39(3–4):213–32 (71 ref.)

Genetic defects in lipoprotein metabolism. Elevation of atherogenic lipoproteins caused by impaired catabolism. Mahley RW, et al. **JAMA** 1991 Jan 2;265(1):78–83 (49 ref.)

Lipid abnormalities in chronic renal insufficiency. Attman PO, et al. **Kidney Int Suppl** 1991 Apr;31:S16–23 (91 ref.)

[Lipoproteins, elastases and atherogenesis] Hornebeck W. **Pathol Biol (Paris)** 1990 Dec;38(10):1010–4 (38 ref.) (Eng. Abstr.) **(Fre)**

[Pathophysiology of lipoprotein metabolism] Windler E, et al. **Z Gastroenterol Verh** 1991 Mar;26:98–9 (8 ref.) **(Ger)**

[Lipoprotein-cell interactions in relation to the risk of atherosclerosis] Richter V. **Z Med Lab Diagn** 1990; 31(5):243–9 (30 ref.) **(Ger)**

[Metabolic disorders of lipoproteins—influences of compositional changes of lipoproteins upon their metabolic behavior] Takeuchi N. **Rinsho Byori** 1991 Jun;39(6):565–73 (22 ref.) (Eng. Abstr.) **(Jpn)**

[Characterization of lipoprotein catabolism in biliary cholesterol hypersecretion conditions in rats] Paz Marzolo M, et al. **Arch Biol Med Exp (Santiago)** 1989 Dec; 22(4):361–74 (52 ref.) (Eng. Abstr.) **(Spa)**

[Disorders of lipoprotein metabolism. I. The physiopathology] Ahumada Ayala M. **Arch Inst Cardiol Mex** 1991 Jan–Feb;61(1):79–91 (80 ref.) **(Spa)**

[Lipid metabolism in man—new knowledge on molecular level gives hope for better therapy] Angelin B, et al. **Lakartidningen** 1991 May 1;88(18):1681–6 (19 ref.) (Eng. Abstr.) **(Swe)**

PHARMACOKINETICS

[Lipoprotein (a)—a further risk factor in arteriosclerosis?] Ritter MM, et al. **Fortschr Med** 1990 Oct 10;108(29):547–9, 554 (26 ref.) (Eng. Abstr.) **(Ger)**

PHARMACOLOGY

Regulation of coagulation by a multivalent Kunitz-type inhibitor. Broze GJ Jr, et al. **Biochemistry** 1990 Aug 21; 29(33):7539–46 (97 ref.)

PHYSIOLOGY

The involvement of lipoproteins in atherogenesis. Evolving concepts. Getz GS. **Ann N Y Acad Sci** 1990;598:17–28 (64 ref.)

Further insights into the pathophysiology of hyperapobetalipoproteinemia: role of basic proteins I, II, III. Kwiterovich PO Jr, et al. **Clin Chem** 1991 Mar; 37(3):317–26 (46 ref.)

Interaction of lipoprotein(a) with fibronectin and its potential role in atherogenesis. Ehnholm C, et al. **Eur Heart J** 1990 Aug;11 Suppl E:190–5 (43 ref.)

Lipoproteins in interstitial fluid of dogs: implications for a role in reverse cholesterol transport. Roheim PS, et al. **Eur Heart J** 1990 Aug;11 Suppl E:225–9 (10 ref.)

Lipoprotein interactions with T cells: an update. Traill KN, et al. **Immunol Today** 1990 Nov;11(11):411–7 (71 ref.)

[Lipoprotein (a)—is it a connecting link between fat metabolism and coagulation?] Riesen WF. **Z Med Lab Diagn** 1991;32(3–4):147–9 (13 ref.) **(Ger)**

[Lipoprotein-mediated functional changes in the fibrinolytic system in the genesis of atherosclerosis] García Frade LJ, et al. **Sangre (Barc)** 1991 Feb;36(1):25–8 (33 ref.) **(Spa)**

TOXICITY

Cytotoxicity of remnants of triglyceride-rich lipoproteins: an atherogenic insult? Chung BH, et al. **Adv Exp Med Biol** 1991;285:341–51 (18 ref.)

LIPOPROTEINS, HDL

High density lipoprotein. Garg RK, et al. **J Assoc Physicians India** 1991 Mar;39(3):269–71 (31 ref.)

ANTAGONISTS & INHIBITORS

Cardiac dysfunction in athletes receiving anabolic steroids. Lorimer DA, et al. **DICP** 1990 Nov;24(11):1060–1 (14 ref.)

BLOOD

Dyslipoproteinaemia of liver disease. Miller JP. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):807–32 (155 ref.)

[Role of high density lipoproteins (HDL) in reverse cholesterol transport] Ponsin G. **Diabete Metab** 1991 May–Jun;17(3):319–24 (38 ref.) (Eng. Abstr.) **(Fre)**

[Influence of alcohol on plasma lipids and atherogenesis. Epidemiological and biochemical aspects] Ghalim N, et al. **Presse Med** 1991 Mar 23;20(11):507–12 (25 ref.) (Eng. Abstr.) **(Fre)**

[Standardization of the immunochemical detection of apolipoprotein A-I and B] Dati F, et al. **Behring Inst Mitt** 1990 Oct;(86):116–28 (30 ref.) (Eng. Abstr.) **(Ger)**

CHEMISTRY

Role of amphipathic helixes in HDL structure/function. Anantharamaiah GM, et al. **Adv Exp Med Biol** 1991; 285:131–40 (14 ref.)

CLASSIFICATION

High-density lipoprotein subfractions and cardiovascular disease. Skinner ER, et al. **Biochem Soc Trans** 1990 Dec; 18(6):1074–6 (30 ref.)

DEFICIENCY

Familial hypoalphalipoproteinemias. Frohlich J, et al. **Clin Invest Med** 1990 Aug;13(4):202–10 (100 ref.)

METABOLISM

Endocrine control of plasma lipoprotein metabolism: effects of gonadal steroids. Crook D, et al. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):851–75 (165 ref.)

Hypertriglyceridaemia, triglyceride-rich lipoproteins and coronary heart disease. Hamsten A. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):895–922 (222 ref.)

Lecithin-cholesterol acyltransferase in the metabolism of high-density lipoproteins. Jonas A. **Biochim Biophys Acta** 1991 Jul 30;1084(3):205–20 (121 ref.)

HDL metabolism and its role in lipid transport. Miller NE. **Eur Heart J** 1990 Dec;11 Suppl H:1–3 (6 ref.)

HDL receptors and cholesterol efflux from parenchymal cells. Slotte JP. **Eur Heart J** 1990 Aug;11 Suppl E:212–7 (39 ref.)

HDL metabolism and atherosclerosis. Assmann G, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 9:S15–20 (18 ref.)

Plasma lipoproteins and atherosclerosis. Tikkanen MJ. **J Diabetic Complications** 1990 Apr–Jun;4(2):35–8 (34 ref.)

Cellular uptake and photosensitizing properties of anticancer porphyrins in cell membranes and low and high density lipoproteins. Maziere JC, et al. **J Photochem Photobiol B** 1990 Jun;6(1–2):61–8 (37 ref.)

PHYSIOLOGY

The role of HDL in reverse cholesterol transport and its disturbances in Tangier disease and HDL deficiency with xanthomas. Schmitz G, et al. **Eur Heart J** 1990 Aug;11 Suppl E:197–211 (98 ref.)

LIPOPROTEINS, HDL CHOLESTEROL

see related
HYPERCHOLESTEROLEMIA
HYPERCHOLESTEROLEMIA, FAMILIAL

BLOOD

Factors regulating the distribution of cholesterol between LDL and HDL. Barter PJ, et al. **Adv Exp Med Biol** 1991; 285:59–64 (14 ref.)

HDL and atherosclerosis: an update. Gwynne JT. **Clin Cardiol** 1991 Feb;14(2 Suppl 1):I17–24 (75 ref.)

Isolated low HDL-cholesterol as an important risk factor for coronary heart disease. Miller M, et al. **Eur Heart J** 1990 Dec;11 Suppl H:9–14 (39 ref.)

Plasma lipids and lipoproteins in diabetes: lessons from population-based studies. Laakso M, et al. **J Diabetic Complications** 1990 Apr–Jun;4(2):39–41 (30 ref.)

[Role of high density lipoproteins (HDL) in reverse cholesterol transport] Ponsin G. **Diabete Metab** 1991 May–Jun;17(3):319–24 (38 ref.) (Eng. Abstr.) **(Fre)**

[Plasma concentration of lipoprotein(a) and distribution of its subtypes in the healthy population of Hungary] Császár A, et al. **Orv Hetil** 1990 Sep 23;131(38):2071–5 (34 ref.) (Eng. Abstr.) **(Hun)**

GENETICS

Genes and dyslipoproteinaemias. Assmann G. **Eur Heart J** 1990 Dec;11 Suppl H:4–8 (11 ref.)

LIPOPROTEINS, LDL

ADMINISTRATION & DOSAGE

Drug targeting by endogenous transport vehicles. van Berkel TJ, et al. **Biochem Soc Trans** 1990 Oct;18(5):748–50 (11 ref.)

ANALYSIS

Lipoproteins in normal and atherosclerotic aorta. Ylä-Herttuala S, et al. **Eur Heart J** 1990 Aug;11 Suppl E:88–99 (52 ref.)

ANTAGONISTS & INHIBITORS

Cardiac dysfunction in athletes receiving anabolic steroids. Lorimer DA, et al. **DICP** 1990 Nov;24(11):1060–1 (14 ref.)

BLOOD

Investigation of structural domains in human serum low density lipoprotein apolipoprotein B100. Djavaheri M, et al. **Adv Exp Med Biol** 1991;285:39–48 (27 ref.)

Dyslipoproteinaemia of liver disease. Miller JP. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):807–32 (155 ref.)

Antioxidants and atherosclerosis: a current assessment. Chisolm GM 3d. **Clin Cardiol** 1991 Feb;14(2 Suppl 1):I25–30 (70 ref.)

The current status of low-density lipoprotein apheresis. Borberg H, et al. **Curr Stud Hematol Blood Transfus** 1990; (57):239–48 (13 ref.)

Oxidized low density lipoproteins: a role in the pathogenesis of atherosclerosis in diabetes? Lyons TJ. **Diabetic Med** 1991 Jun;8(5):411–9 (85 ref.)

Familial hypercholesterolemia: dissection of a receptor disease. Schneider WJ. **Z Kardiol** 1990;79 Suppl 3:3–7 (23 ref.)

DIAGNOSTIC USE

Nuclear medicine and atherosclerosis. Sinzinger H, et al. **Eur J Nucl Med** 1990;17(3–4):160–78 (181 ref.)

GENETICS

[Apolipoprotein B100 and LDL receptors: genetic and metabolic aspects] Chapman MJ. **Journ Annu Diabetol Hotel Dieu** 1991;:35–7 (2 ref.) **(Fre)**

IMMUNOLOGY

[Cellular-metabolic interactions between the phagocytic system and blood lipoproteins in respiratory diseases] Iakovleva OA. **Probl Tuberk** 1990;(10):70-3 (57 ref.) **(Rus)**

METABOLISM

Kinetic studies of the origin of apolipoprotein (apo) B-100 in low density lipoproteins of normal and Watanabe heritable hyperlipidemic (WHHL) rabbits. Havel RJ, et al. **Adv Exp Med Biol** 1991;285:245-55 (20 ref.)

Oxidation of lipoproteins and atherosclerosis. Luc G, et al. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):206S-209S (37 ref.)

Arterial metabolism of lipoproteins in relation to atherogenesis. Steinberg D. **Ann N Y Acad Sci** 1990; 598:125-35 (39 ref.)

Atherogenic lipoproteins resulting from genetic defects of apolipoproteins B and E. Weisgraber KH, et al. **Ann N Y Acad Sci** 1990;598:37-48 (44 ref.)

Endocrine control of plasma lipoprotein metabolism: effects of gonadal steroids. Crook D, et al. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):851-75 (165 ref.)

Lipids and thrombosis. Gasser JA, et al. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):923-38 (190 ref.)

Hypertriglyceridaemia, triglyceride-rich lipoproteins and coronary heart disease. Hamsten A. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):895-922 (222 ref.)

Metabolic effects of portacaval shunt surgery and liver transplantation in familial hypercholesterolemia. Bilheimer DW. **Beitr Infusionther** 1988;23:61-73 (48 ref.)

Genetic and environmental modulation of low-density lipoprotein catabolism. Gaw A, et al. **Biochem Soc Trans** 1990 Dec;18(6):1072-4 (19 ref.)

Transfer of lipoproteins from plasma to the cell populations of the normal and atherosclerotic arterial tissue. Bondjers G, et al. **Eur Heart J** 1990 Aug;11 Suppl E:158-63 (27 ref.)

Malondialdehyde, modified lipoproteins, and atherosclerosis. Haberland ME, et al. **Eur Heart J** 1990 Aug;11 Suppl E:100-4 (38 ref.)

Transport of low density lipoproteins across endothelial monolayers. Hough GP, et al. **Eur Heart J** 1990 Aug;11 Suppl E:62-71 (28 ref.)

The metabolism of low density lipoproteins by rat serosal mast cells. Kokkonen JO, et al. **Eur Heart J** 1990 Aug;11 Suppl E:134-46 (26 ref.)

Oxidative modification of LDL: comparison between cell-mediated and copper-mediated modification. Parthasarathy S, et al. **Eur Heart J** 1990 Aug;11 Suppl E:83-7 (87 ref.)

Plasma lipoproteins and atherosclerosis. Tikkanen MJ. **J Diabetic Complications** 1990 Apr-Jun;4(2):35-8 (34 ref.)

Cellular uptake and photosensitizing properties of anticancer porphyrins in cell membranes and low and high density lipoproteins. Maziere JC, et al. **J Photochem Photobiol B** 1990 Jun;6(1-2):61-8 (37 ref.)

Macrophages, endothelial cells, and lipoprotein oxidation in the pathogenesis of atherosclerosis. Rosenfeld ME, et al. **Toxicol Pathol** 1990;18(4 Pt 1):560-71 (64 ref.)

[Surgical treatment of hyperlipoproteinemia] Kurguzov OP, et al. **Khirurgiia (Mosk)** 1991 Jan;(1):125-30 (74 ref.) **(Rus)**

PHARMACOLOGY

LDL-mediated drug targeting. de Smidt PC, et al. **Crit Rev Ther Drug Carrier Syst** 1990;7(2):99-120 (58 ref.)

PHYSIOLOGY

The role of oxidized LDL in atherosclerosis. Witztum JL. **Adv Exp Med Biol** 1991;285:353-65 (45 ref.)

Generation of intracellular signals by low density lipoprotein is independent of the classical LDL receptor. Sachinidis A, et al. **Am J Hypertens** 1991 Mar;4(3 Pt 1):274-9 (31 ref.)

[The mysteries of lipoprotein (a): a bridge between thrombosis and atheroma] Hachulla E, et al. **Rev Med Interne** 1991 May-Jun;12(3):192-7 (26 ref.) (Eng. Abstr.) **(Fre)**

LIPOPROTEINS, LDL CHOLESTEROL

see related
HYPERCHOLESTEROLEMIA
HYPERCHOLESTEROLEMIA, FAMILIAL

LDL-apheresis: results of longterm treatment and vascular outcome. Keller C. **Atherosclerosis** 1991 Jan;86(1):1-8 (45 ref.)

Treatment of severe hypercholesterolemia by heparin-induced extracorporeal LDL precipitation (HELP). Schuff-Werner P, et al. **Beitr Infusionther** 1988; 23:118-26 (9 ref.)

ADVERSE EFFECTS

Relation between lipids and atherosclerosis: epidemiologic evidence and clinical implications. Zemel PC, et al. **Am J Cardiol** 1990 Dec 18;66(21):71-121 (35 ref.)

BLOOD

Factors regulating the distribution of cholesterol between LDL and HDL. Barter PJ, et al. **Adv Exp Med Biol** 1991; 285:59-64 (14 ref.)

The hypertriglyceridemias: risk and management. Introduction. Assmann G, et al. **Am J Cardiol** 1991 Jul 24;68(3):1A-4A (35 ref.)

Extracorporeal LDL cholesterol removal: role of LDL-pheresis in combination with other hypolipidemic therapy to regress vascular disease. Saal SD, et al. **Am J Med** 1989 Nov;87(5N):68N-74N (46 ref.)

Plasma lipids and lipoproteins in diabetes: lessons from population-based studies. Laakso M, et al. **J Diabetic Complications** 1990 Apr-Jun;4(2):39-41 (30 ref.)

LDL-metabolism of the arterial wall--new implications for atherogenesis. Dresel HA, et al. **Z Kardiol** 1990;79 Suppl 3:9-16 (76 ref.)

[Non-dietary, non-pharmacological treatment of severe hypercholesterolemia] Hansen PS, et al. **Ugeskr Laeger** 1991 Jul 15;153(29):2046-51 (29 ref.) (Eng. Abstr.) **(Dan)**

[Peripheral remnant metabolism] Schmitz G, et al. **Klin Wochenschr** 1990;68 Suppl 22:32-7 (18 ref.) (Eng. Abstr.) **(Ger)**

[Coronary revascularization with reduction of serum cholesterol level using LDL apheresis in patient with homozygous familial hypercholesterolemia] Takahashi T, et al. **Kokyu To Junkan** 1990 Sep;38(9):925-30 (14 ref.) (Eng. Abstr.) **(Jpn)**

[The significance of oxidized lipoproteins for the development of atherosclerosis. Antioxidants as a therapeutic alternative in atherosclerosis] Boberg KM. **Tidsskr Nor Laegeforen** 1991 Jun 10;111(15):1861-5 (33 ref.) (Eng. Abstr.) **(Nor)**

ISOLATION & PURIFICATION

[The extracorporeal elimination of LDL cholesterol by apheresis. The indications and methods] Olbricht CJ. **Dtsch Med Wochenschr** 1991 Apr 19;116(16):625-30 (28 ref.) **(Ger)**

METABOLISM

Macrophage uptake of cholesterol-containing particles derived from LDL and isolated from atherosclerotic lesions. Hoff HF, et al. **Eur Heart J** 1990 Aug;11 Suppl E:105-15 (27 ref.)

PHYSIOLOGY

Role of oxidatively modified LDL in atherosclerosis. Steinbrecher UP, et al. **Free Radic Biol Med** 1990; 9(2):155-68 (117 ref.)

[The role of modified low density lipoproteins in the development of atherosclerosis] Cybulska B, et al. **Pol Tyg Lek** 1990 Jul 2-9;45(27-28):572-5 (38 ref.) **(Pol)**

LIPOPROTEINS, LDL RECEPTORS see **RECEPTORS, LDL**

LIPOPROTEINS, VLDL

BIOSYNTHESIS

Effects of gemfibrozil and other fibric acid derivatives on blood lipids and lipoproteins. Zimetbaum P, et al. **J Clin Pharmacol** 1991 Jan;31(1):25-37 (96 ref.)

BLOOD

Plasma lipids and lipoproteins in diabetes: lessons from population-based studies. Laakso M, et al. **J Diabetic Complications** 1990 Apr-Jun;4(2):39-41 (30 ref.)

[Metabolism of chylomicrons and very low density lipoproteins] Windler E. **Klin Wochenschr** 1990;68 Suppl 22:19-22 (15 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Pathophysiology of triglyceride-rich particles. B. Triglyceride-rich lipoprotein cell interactions. Stein Y, et al. **Am J Cardiol** 1991 Jul 24;68(3):8A-10A (18 ref.)

Atherogenic lipoproteins resulting from genetic defects of apolipoproteins B and E. Weisgraber KH, et al. **Ann N Y Acad Sci** 1990;598:37-48 (44 ref.)

Endocrine control of plasma lipoprotein metabolism: effects of gonadal steroids. Crook D, et al. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):851-75 (165 ref.)

Hypertriglyceridaemia, triglyceride-rich lipoproteins and coronary heart disease. Hamsten A. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):895-922 (222 ref.)

Plasma lipoproteins and atherosclerosis. Tikkanen MJ. **J Diabetic Complications** 1990 Apr-Jun;4(2):35-8 (34 ref.)

[Surgical treatment of hyperlipoproteinemia] Kurguzov OP, et al. **Khirurgiia (Mosk)** 1991 Jan;(1):125-30 (74 ref.) **(Rus)**

LIPOSARCOMA

Primary liposarcoma of the heart. Paraf F, et al. **Am J Cardiovasc Pathol** 1990;3(2):175-80 (25 ref.)

Liposarcoma arising in the cheek: report of a case and review of the literature. Charnock DR, et al. **J Oral Maxillofac Surg** 1991 Mar;49(3):298-300 (22 ref.)

DIAGNOSIS

[Retroperitoneal mixed type liposarcoma: a case report] Yamaguchi T, et al. **Hinyokika Kiyo** 1991 Feb;37(2):141-5 (19 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

Trisomy 8 as a nonrandom secondary change in myxoid liposarcoma. Sreekantaiah C, et al. **Cancer Genet Cytogenet** 1991 Feb;51(2):195-205 (50 ref.)

PATHOLOGY

Dedifferentiated liposarcoma with features of rhabdomyosarcoma. Salzano RP Jr, et al. **Conn Med** 1991 Apr;55(4):200-2 (12 ref.)

Well-differentiated liposarcoma of the paratesticular area: report of a case with fine-needle aspiration preoperative diagnosis and review of the literature. Dalla Palma P, et al. **Diagn Cytopathol** 1990;6(6):421-6 (49 ref.)

THERAPY

Primary peritoneal sarcoma: three case reports and review of the literature. Allan SM. **Br J Clin Pract** 1990 Dec; 44(12):753 (5 ref.)

LIPOSOMES

Monolayers and planar or curved bilayers. Gabrielli G. **Adv Colloid Interface Sci** 1991 Jan;34:31-72 (76 ref.)

Effective transfer of membrane proteins from intact cells to liposomes and preparation of liposomal vaccines. Sunamoto J, et al. **Ann N Y Acad Sci** 1990;613:116-27 (22 ref.)

Liposomes for the transformation of eukaryotic cells. Hug P, et al. **Biochim Biophys Acta** 1991 Jul 26;1097(1):1-17 (193 ref.)

The future of liposomal drug delivery. Szoka FC Jr. **Biotechnol Appl Biochem** 1990 Oct;12(5):496-500 (19 ref.)

Liposomes in vivo: prospects for liposome-based pharmaceuticals in the 1990s. Senior JH. **Biotechnol Genet Eng Rev** 1990;8:279-317 (163 ref.)

Liposomes and biotherapeutics. Storm G, et al. **Biotherapy** 1991;3(1):25-42 (90 ref.)

Liposome-encapsulated hemoglobin: an oxygen-carrying fluid. Rabinovici R, et al. **Circ Shock** 1990 Sep;32(1):1-17 (68 ref.)

Liposome chromatography: liposomes immobilized in gel beads as a stationary phase for aqueous column chromatography. Lundahl P, et al. **J Chromatogr** 1991 May 17;544(1-2):283-304 (59 ref.)

Physical chemistry of porphyrins and their interactions with membranes: the importance of pH. Brault D. **J Photochem Photobiol B** 1990 Jun;6(1-2):79-86 (31 ref.)

[Value of the new drug carriers in ophthalmology: liposomes and nanoparticles] Marchal-Heussler L, et al. **J Fr Ophtalmol** 1990;13(11-12):575-82 (35 ref.) **(Fre)**

[Liposome chromatography: a new mode of separation using lipid bilayer] Lundahl P, et al. **Tanpakushitsu Kakusan Koso** 1990 Aug;35(11):1983-98 (46 ref.) **(Jpn)**

[Trends in the development of research in the field of liposomes (review of patent literature)] Nesytova NIu, et al. **Vestn Akad Med Nauk SSSR** 1990;(6):8-19 (213 ref.) (Eng. Abstr.) **(Rus)**

[Prospects for the therapeutic use of liposomes in the medical practice] Synovets OA, et al. **Vrach Delo** 1991 Jun;(6):16-20 (50 ref.) **(Rus)**

ADMINISTRATION & DOSAGE

Signal-sensitive release of content from liposomes bearing surface-grafted polyelectrolyte chains. Maeda M, et al. **Ann N Y Acad Sci** 1991;618:362-6 (13 ref.)

IMMUNOLOGY

Liposomes as antigen vehicles to increase immunogenicity: effects of variation of structural characteristics. Tan LS. **Ann Acad Med Singapore** 1991 Jan;20(1):78-83 (38 ref.)

Liposomes containing lipid A: a potent nontoxic adjuvant for a human malaria sporozoite vaccine. Alving CR, et al. **Immunol Lett** 1990 Aug;25(1-3):275-9 (27 ref.)

Liposomes as carriers of antigens and adjuvants. Alving CR. **J Immunol Methods** 1991 Jun 24;140(1):1-13 (99 ref.)

PHARMACOLOGY

[Purification and reconstitution of membrane carrier proteins] Szewczyk A, et al. **Postepy Biochem** 1989;35(4):469-92 (180 ref.) **(Pol)**

THERAPEUTIC USE

Liposomes and nanoparticles as vehicles for antibiotics. Kreuter J. **Infection** 1991;19 Suppl 4:S224-8 (40 ref.)

LIPOSUCTION see **LIPECTOMY**

LIPOTROPIN 61-91 see **BETA-ENDORPHIN**

5-LIPOXYGENASE see **ARACHIDONATE**

5-LIPOXYGENASE

12-LIPOXYGENASE see ARACHIDONATE 12-LIPOXYGENASE

LIPOXYGENASES

ANTAGONISTS & INHIBITORS

Antiproliferative effects of lipoxygenase inhibitors on human leukemia cells. Snyder DS.
Adv Prostaglandin Thromboxane Leukotriene Res 1991; 21B:921–4 (11 ref.)

[Trends in the development of lipoxygenase inhibitors] Nuhn P, et al. **Pharmazie** 1991 Feb;46(2):81–8 (124 ref.) **(Ger)**

CHEMISTRY

Recent investigations into the lipoxygenase pathway of plants. Gardner HW. **Biochim Biophys Acta** 1991 Jul 30; 1084(3):221–39 (175 ref.)

METABOLISM

Lipoxygenase products in gastric damage and protection. Peskar BM.
Adv Prostaglandin Thromboxane Leukotriene Res 1991; 21B:753–60 (23 ref.)

"Enzymatic" lipid peroxidation: reactions of mammalian lipoxygenases. Yamamoto S. **Free Radic Biol Med** 1991; 10(2):149–59 (120 ref.)

Lipoxygenase products of polyunsaturated fatty acid metabolism in the central nervous system: biosynthesis and putative functions. Simmet T, et al. **Pharmacol Res** 1990 Nov–Dec;22(6):667–82 (125 ref.)

PHYSIOLOGY

Lipoxygenase products of arachidonic acid in psoriasis, atopic dermatitis, and experimental arthritis. Fogh K.
Dan Med Bull 1990 Aug;37(4):289–308 (238 ref.)

[Recent studies on mammalian lipoxygenases] Yamamoto S, et al. **Seikagaku** 1991 Mar;63(3):188–201 (118 ref.) **(Jpn)**

LISTERIA

Latest news on listeriosis. Courtieu AL.
Comp Immunol Microbiol Infect Dis 1991;14(1):1–7 (17 ref.)

IMMUNOLOGY

Interleukins, mycobacteria, and listeriae. Kaufmann SH.
Diagn Microbiol Infect Dis 1990 Sep–Oct;13(5):429–33 (34 ref.)

LISTERIA INFECTIONS

Latest news on listeriosis. Courtieu AL.
Comp Immunol Microbiol Infect Dis 1991;14(1):1–7 (17 ref.)

Listeria. Klein NC, et al. **Infect Control Hosp Epidemiol** 1991 May;12(5):311–4 (18 ref.)

[Spontaneous bacterial peritonitis caused by Listeria monocytogenes (letter)] Castellote J, et al.
Enferm Infecc Microbiol Clin 1989 Jun–Jul;7(6):336 (7 ref.) **(Spa)**

COMPLICATIONS

Listeriosis in patients infected with human immunodeficiency virus. Berenguer J, et al. **Rev Infect Dis** 1991 Jan–Feb; 13(1):115–9 (31 ref.)

Listeria monocytogenes infections in patients with AIDS: report of five cases and review. Decker CF, et al.
Rev Infect Dis 1991 May–Jun;13(3):413–7 (38 ref.)

DIAGNOSIS

Listeria brainstem encephalitis: two own cases and literature review [published erratum appears in Infection 1991 May–Jun;19(3):189] Kohler J, et al. **Infection** 1991 Jan–Feb; 19(1):36–40 (48 ref.)

DRUG THERAPY

Therapeutic activities of antibiotics in listeriosis. Hof H.
Infection 1991;19 Suppl 4:S229–33 (33 ref.)

EPIDEMIOLOGY

Epidemiology of human listeriosis. Schuchat A, et al.
Clin Microbiol Rev 1991 Apr;4(2):169–83 (179 ref.)

[Clinico–epidemiological considerations on listeriosis] Vidal A, et al. **Rev Clin Esp** 1990 Jul–Aug;187(3):131–6 (83 ref.) **(Spa)**

ETIOLOGY

[Pathogenesis and therapy of listeriosis] Hof H.
Dtsch Med Wochenschr 1990 Oct 26;115(43):1639–46 (39 ref.) **(Ger)**

IMMUNOLOGY

Interleukins, mycobacteria, and listeriae. Kaufmann SH.
Diagn Microbiol Infect Dis 1990 Sep–Oct;13(5):429–33 (34 ref.)

Neonatal listeriosis. Bortolussi R. **Semin Perinatol** 1990 Aug; 14(4 Suppl 1):44–8 (49 ref.)

MICROBIOLOGY

Foodborne listeriosis. Jones D. **Lancet** 1990 Nov 10; 336(8724):1171–4 (32 ref.)

TRANSMISSION

Maternal listeriosis in pregnancy without fetal or neonatal infection. MacGowan AP, et al. **J Infect** 1991 Jan; 22(1):53–7 (15 ref.)

LISTERIA MONOCYTOGENES

GENETICS

Ribosomal DNA fingerprinting of Listeria monocytogenes using a digoxigenin-labeled DNA probe. Graves LM, et al. **Eur J Epidemiol** 1991 Jan;7(1):77–82 (19 ref.)

ISOLATION & PURIFICATION

Epidemiology of human listeriosis. Schuchat A, et al.
Clin Microbiol Rev 1991 Apr;4(2):169–83 (179 ref.)

PATHOGENICITY

Studies on the pathogenicity of Listeria monocytogenes. Goebel W, et al. **Infection** 1991;19 Suppl 4:S195–7 (18 ref.)

Foodborne listeriosis. Jones D. **Lancet** 1990 Nov 10; 336(8724):1171–4 (32 ref.)

LITHIUM

Cyclic antidepressants, lithium, and neuroleptic agents. Pharmacology and toxicology. Krishel S, et al.
Emerg Med Clin North Am 1991 Feb;9(1):53–86 (143 ref.)

Lithium treatment and the geriatric population. de Angelis L. **Int J Clin Pharmacol Ther Toxicol** 1990 Sep;28(9):394–8 (65 ref.)

ADMINISTRATION & DOSAGE

Lithium administered by eye drops: a better treatment for bipolar affective disorder? Schreiber G, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1991; 15(3):315–21 (26 ref.)

ADVERSE EFFECTS

Thyroid disorders induced by lithium and amiodarone: an overview. Chow CC, et al.
Adverse Drug React Acute Poisoning Rev 1990 Winter; 9(4):207–22 (109 ref.)

Lithium and weight gain. Chen Y, et al.
Int Clin Psychopharmacol 1990 Jul;5(3):217–25 (42 ref.)

The clinical significance of lithium–nonsteroidal anti-inflammatory drug interactions. Ragheb M.
J Clin Psychopharmacol 1990 Oct;10(5):350–4 (38 ref.)

Lithium interactions: lithium and electroconvulsive therapy. Small JG, et al. **J Clin Psychopharmacol** 1990 Oct; 10(5):346–50 (54 ref.)

[Irreversible neurologic sequelae caused by lithium] Verdoux H, et al. **Encephale** 1991 May–Jun;17(3):221–4 (25 ref.) (Eng. Abstr.) **(Fre)**

[Neurologic sequelae of the neuroleptics–lithium combination: role of hyperthermia] Pelletier J, et al.
Rev Med Interne 1991 May–Jun;12(3):187–91 (23 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOLOGY

5-HT neuroendocrine responses during psychotropic drug treatment: an investigation of the effects of lithium. Cowen PJ, et al. **J Neurosci Methods** 1990 Sep;34(1–3):201–5 (27 ref.)

THERAPEUTIC USE

Towards defining adequate lithium trials for individuals with mental retardation and mental illness. Pary RJ.
Am J Ment Retard 1991 May;95(6):681–91 (60 ref.)

Augmentation regimens for depression. Nemeroff CB.
J Clin Psychiatry 1991 May;52 Suppl:21–7 (21 ref.)

Lithium treatment during pregnancy, delivery, and lactation: an update. Schou M. **J Clin Psychiatry** 1990 Oct; 51(10):410–3 (27 ref.)

Prodromal symptoms and intermittent drug medication in mood disorders. Fava GA, et al. **Pharmacopsychiatry** 1991 Jan;24(1):28–30 (16 ref.)

Varieties of lithium benefit. Grof P, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1990; 14(5):689–96 (16 ref.)

[Lithium treatment and kidney function] Schou M.
Ugeskr Laeger 1990 Aug 13;152(33):2343–5 (15 ref.) (Eng. Abstr.) **(Dan)**

[Prescription of lithium in alcoholic patients] Lejoyeux M, et al. **Presse Med** 1991 Jun 29;20(25):1176–80 (20 ref.) (Eng. Abstr.) **(Fre)**

LITHOLAPAXY see LITHOTRIPSY

LITHOTRIPSY

High-energy shock waves: in vitro effects. Clayman RV, et al. **Am J Kidney Dis** 1991 Apr;17(4):436–44 (27 ref.)

First UK consensus conference on lithotriptor terminology—1989. Tolley DA, et al. **Br J Urol** 1991 Jan; 67(1):9–12 (0 ref.)

Kidney stones and lithotripters: critical analysis of the introduction of extracorporeal shock wave lithotripsy into Canada [see comments] Wiser LC, et al.
Can Med Assoc J 1990 Dec 15;143(12):1299–303 (51 ref.) Comment in: Can Med Assoc J 1991 Mar 15;144(6):632, 637. Comment in: Can Med Assoc J 1991 Mar 15;144(6):637–8.

Biliary lithotripsy. Prystowsky JB, et al. **Curr Probl Surg** 1990 Nov;27(11):709–72 (179 ref.)

Fragmentation of pancreatic stones by extracorporeal shock wave lithotripsy. Neuhaus H. **Endoscopy** 1991 May; 23(3):161–5 (24 ref.)

Biliary extracorporeal shock-wave lithotripsy. Garcia G, et al. **Gastroenterol Clin North Am** 1991 Mar;20(1):201–8 (25 ref.)

Gallstone breakthrough with lithotripsy? Burhenne HJ.
Invest Radiol 1990 Oct;25(10):1149–52 (22 ref.)

Current options for the management of gallstones. Desmond PV. **Med J Aust** 1991 Mar 18;154(6):400–1, 404–6 (22 ref.)

Extracorporeal shock wave lithotripsy. Selection of patients and long-term complications. Banner MP.
Radiol Clin North Am 1991 May;29(3):543–56 (62 ref.)

Clinical experience with biliary extracorporeal shock wave lithotripsy. Lee SH, et al. **Radiol Clin North Am** 1990 Nov; 28(6):1265–75 (45 ref.)

Extracorporeal shock-wave lithotripsy of gallstones with the adjuvant use of cholelitholytic bile acids. Albert MB, et al. **Semin Liver Dis** 1990 Aug;10(3):197–204 (57 ref.)

Gallstone lithotripsy. Schirmer BD. **Surg Annu** 1991;23 Pt 1:91–114 (63 ref.)

Extracorporeal shock wave lithotripsy for biliary stones. Prystowsky JB, et al. **Surg Clin North Am** 1990 Dec; 70(6):1231–48 (41 ref.)

[Role of extracorporeal lithotripsy in the treatment of lithiasis of the common bile duct after failure of extraction by endoscopic sphincterotomy] Hagege H.
Ann Gastroenterol Hepatol (Paris) 1990 Dec;26(7):304–6 (31 ref.) **(Fre)**

[Milk of calcium syndrome: a diagnosis to be made before the scheduling of lithotripsy. Consideration apropos of 6 cases] Ouegnin GA, et al. **Ann Urol (Paris)** 1990;24(7):552–7 (21 ref.) (Eng. Abstr.) **(Fre)**

[Change in the assessment of trauma in surgery and internal medicine with the treatment of gallstones as an example] Kümmerle F, et al. **Dtsch Med Wochenschr** 1990 Dec 21; 115(51–52):1971–4 (26 ref.) **(Ger)**

[Non-surgical therapy of gall stones] Münch R.
Schweiz Rundsch Med Prax 1991 May 14;80(20):548–55 (66 ref.) (Eng. Abstr.) **(Ger)**

[Experience with ESWL treatment of giant kidney and ureteral calculi (based on 1400 cases)] Kovács A, et al.
Orv Hetil 1990 Dec 30;131(52):2873–5 (13 ref.) (Eng. Abstr.) **(Hun)**

[Extracorporeal shock wave lithotripsy and biological effects of underwater shock waves] Orikasa S.
Nippon Hinyokika Gakkai Zasshi 1991 Jul;82(7):1027–44 (48 ref.) (Eng. Abstr.) **(Jpn)**

[Extracorporeal shockwave biliary lithotripsy. Physical basis and clinical application] Méndez-Sánchez N, et al.
Rev Invest Clin 1990 Jul–Sep;42(3):231–9 (24 ref.) (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Shock wave-induced pancreatic trauma. Mullen KD, et al.
Am J Gastroenterol 1991 May;86(5):630–2 (15 ref.)

[Complications of percutaneous litholapaxy] Ruoppolo M, et al. **Arch Ital Urol Nefrol Androl** 1990 Dec;62(4):399–410 (28 ref.) (Eng. Abstr.) **(Ita)**

INSTRUMENTATION

Technological innovation and the winning-combination phenomenon. The case of the extracorporeal lithotriptor. Poulin D. **Int J Technol Assess Health Care** 1991;7(1):63–7 (9 ref.)

[The treatment of pelvic ureteral calculi using the Dornier lithotripter. Apropos of 20 cases] Cirot T, et al.
Ann Urol (Paris) 1990;24(6):495–9 (8 ref.) (Eng. Abstr.) **(Fre)**

[Standardized in vitro models for the characterization of shockwaves] Brümmer F, et al. **Biomed Tech (Berlin)** 1990; 35 Suppl 3:237–8 (21 ref.) **(Ger)**

[Non-surgical treatment of cholecystolithiasis: laser lithotripsy in the gallbladder] Ell C.
Z Gastroenterol Verh 1991 Mar;26:202–3 (15 ref.) **(Ger)**

METHODS

Biliary extracorporeal shockwave lithotripsy. Rawat B, et al. **Cardiovasc Intervent Radiol** 1990 Aug–Sep;13(4):258–63 (14 ref.)

Extracorporeal shock wave lithotripsy for gallstones: the shock of the eighties. Darzi A, et al. **HPB Surg** 1990 Oct; 2(4):227–31 (16 ref.)

Litholapaxy: a fading art. Kaur P, et al.
J Indian Med Assoc 1990 Jun;88(6):163–6 (7 ref.)

Intracorporeal biliary lithotripsy. Picus D.
Radiol Clin North Am 1990 Nov;28(6):1241–9 (41 ref.)

Technical aspects of biliary extracorporeal shock wave lithotripsy. Torres WE, et al. **Radiol Clin North Am** 1990 Nov;28(6):1251–63 (18 ref.)

Laser lithotripsy of ureteral calculi. Hofmann R, et al.

Urol Res 1990;18 Suppl 1:S49–55 (21 ref.)

[Exclusive piezoelectric lithotripsy in the treatment of calculi larger than 30 mm (partial or complete coralliform, pyelic calculi)] Amiel JA, et al. **Ann Urol (Paris)** 1990; 24(4):317–21 (5 ref.) (Eng. Abstr.) **(Fre)**

[Current surgical and non-surgical possibilities in the treatment of gallbladder stones] Largiadèr F. **Schweiz Rundsch Med Prax** 1991 Mar 26;80(13):318–21 (14 ref.) (Eng. Abstr.) **(Ger)**

[Limits of ESWL (extracorporeal shockwave lithotripsy)] Staritz M, et al. **Z Gastroenterol Verh** 1991 Mar;26:195–8 (9 ref.) **(Ger)**

[Ureteral lithotripsy with rigid ureteroscopy and pulsed dye laser] Scarpa RM, et al. **Arch Ital Urol Nefrol Androl** 1991 Mar;63(1):119–24 (11 ref.) (Eng. Abstr.) **(Ita)**

TRENDS

ESWL '90—state of the art. Limitations and future trends of shock-wave lithotripsy. Rassweiler J, et al. **Urol Res** 1990;18 Suppl 1:S13–23 (197 ref.)

[10 years extracorporeal shockwave lithotripsy—progress in shockwave technology] Forssmann B, et al. **Biomed Tech (Berlin)** 1990;35 Suppl 3:230–2 (12 ref.) **(Ger)**

LITTLE'S DISEASE see **CEREBRAL PALSY**

LIVER

Artificial liver. State of the art. Takahashi T, et al. **Dig Dis Sci** 1991 Sep;36(9):1327–40 (109 ref.)

Liver preservation: the past and the future. Blankensteijn JD, et al. **Hepatology** 1991 Jun;13(6):1235–50 (153 ref.)

ABNORMALITIES

Hepatobiliary anomalies associated with polysplenia syndrome. Gagner M, et al. **Gastrointest Radiol** 1991 Spring;16(2):167–71 (20 ref.)

[Agenesis of the right lobe of the liver. Apropos of a case] Collay R, et al. **Ann Radiol (Paris)** 1990;33(2):108–13 (33 ref.) (Eng. Abstr.) **(Fre)**

[Complicated solitary biliary cysts] Benchimol D, et al. **J Chir (Paris)** 1991 May;128(5):221–5 (27 ref.) (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Hepatic lymphatic system: structure and function. Magari S. **J Gastroenterol Hepatol** 1990 Jan–Feb;5(1):82–93 (60 ref.)

Prolonged T1 in patients with liver cirrhosis: an in vivo MRI study. Thomsen C, et al. **Magn Reson Imaging** 1990; 8(5):599–604 (35 ref.)

Liver system. IV. More on the liver micro-unit: physics and geometry of its action. Dioguardi N. **Ric Clin Lab** 1991 Jan–Mar;21(1):41–68 (52 ref.)

Evolution and future perspectives for reduced-size hepatic transplantation. Broelsch CE, et al. **Surg Gynecol Obstet** 1990 Oct;171(4):353–60 (77 ref.)

[Segmentation of the liver and anatomical variants of the portal system] Trinh Van Minh, et al. **Ann Chir** 1990; 44(7):561–9 (31 ref.) (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

Progress in the assessment of liver blood flow in health and disease. Karran S. **J R Coll Surg Edinb** 1990 Aug; 35(4):207–17 (24 ref.)

[Liver sinusoidal cells: nature, functional characteristics, and cooperative relationships] Mirodzhov GK, et al. **Arkh Patol** 1991;53(4):72–6 (80 ref.) (Eng. Abstr.) **(Rus)**

[Ischemic infarct of the liver] Ponomarev AA. **Klin Khir** 1990;(9):53–6 (37 ref.) **(Rus)**

CHEMISTRY

Crystal structure of chicken liver basic fatty acid-binding protein at 2.7 A resolution. Scapin G, et al. **Mol Cell Biochem** 1990 Oct 15–Nov 8;98(1–2):95–9 (21 ref.)

CYTOLOGY

Immunocytochemical localization of the intracellular sites of sialylation in rat hepatocytes and colonic epithelial cells. Taatjes DJ. **Acta Histochem Suppl** 1990;40:9–21 (49 ref.)

Cellular and molecular biology of hepatocyte growth, regeneration and gene expression. Leffert HL, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:352–8 (22 ref.)

Dendritic cells and the liver. van den Oord JJ, et al. **APMIS Suppl** 1991;23:68–76 (74 ref.)

New developments in stem cell transplantation with special reference to the first in utero transplants in humans. Touraine JL, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:92–7 (9 ref.)

Hepatocyte differentiation and liver progenitor cells. Fausto N. **Curr Opin Cell Biol** 1990 Dec;2(6):1036–42 (11 ref.)

The hepatocyte. Development, differentiation, and ageing. David H. **Exp Pathol Suppl** 1985;11:1–148 (375 ref.)

Perisinusoidal stellate cells of the liver: important roles in retinol metabolism and fibrosis. Blomhoff R, et al. **FASEB J** 1991 Mar 1;5(3):271–7 (44 ref.)

Mitogens and hepatocyte growth control in vivo and in vitro [published erratum appears in In Vitro Cell Dev Biol 1990 Dec;26(12):1202] Koch KS, et al. **In Vitro Cell Dev Biol** 1990 Nov;26(11):1011–23 (89 ref.)

Rhythms in morphology and function of hepatocytes. Uchiyama Y. **J Gastroenterol Hepatol** 1990 May–Jun; 5(3):321–33 (89 ref.)

[Live isolated liver cells, their properties and clinical use] Belʹkov AV, et al. **Anesteziol Reanimatol** 1991 May–Jun; (3):75–7 (31 ref.) **(Rus)**

DRUG EFFECTS

Short-lasting and reversible inhibition of monoamine oxidase-A by moclobemide. Da Prada M, et al. **Acta Psychiatr Scand Suppl** 1990;360:103–5 (10 ref.)

A light-induced tryptophan-riboflavin binding: biological implications. Silva E, et al. **Adv Exp Med Biol** 1991; 289:33–48 (81 ref.)

Hepatic sensitivity to insulin: effects of sulfonylurea drugs. Del Prato S, et al. **Am J Med** 1991 Jun 24;90(6A):29S–36S (76 ref.)

Role of hepatocellular regeneration and hepatolobular healing in the final outcome of liver injury. A two-stage model of toxicity. Mehendale HM. **Biochem Pharmacol** 1991 Aug 22;42(6):1155–62 (69 ref.)

Drugs and the liver. Part 1: Testing liver function. Sallie R, et al. **Biopharm Drug Dispos** 1991 May;12(4):251–9 (54 ref.)

Effects of TGF-beta s in the liver: cell proliferation and fibrogenesis. Fausto N, et al. **Ciba Found Symp** 1991; 157:165–74; discussion 174–7 (27 ref.)

Is there a rational basis for the different spectra of adverse effects of nonsteroidal anti-inflammatory drugs (NSAIDs)? Brune K. **Drugs** 1990;40 Suppl 5:12–5 (22 ref.)

Effects of bezafibrate on hepatic cholesterol metabolism. Ståhlberg D, et al. **Eur J Clin Pharmacol** 1991;40 Suppl 1:S33–6 (22 ref.)

Substructural alterations of liver parenchymal cells induced by xenobiotics. Franke H. **Exp Pathol** 1990;39(3–4):139–55 (66 ref.)

Morphological reaction patterns of the human liver during xenobiotic loading. A light microscopic contribution. Machnik G. **Exp Pathol** 1990;39(3–4):123–38 (29 ref.)

Effects of prenatal exposure to ethanol on rat liver development. Renau-Piqueras J, et al. **Int J Dev Biol** 1989 Sep;33(3):345–60 (60 ref.)

Periportal hepatotoxicity due to allyl alcohol: a myriad of proposed mechanisms. Badr MZ. **J Biochem Toxicol** 1991 Spring;6(1):1–5 (40 ref.)

Hepatic toxicity of vitamin A and synthetic retinoids. Fallon MB, et al. **J Gastroenterol Hepatol** 1990 May–Jun; 5(3):334–42 (53 ref.)

Cytoprotective effects of calcium channel blockers. Mechanisms and potential applications in hepatocellular injury. Deakin CD, et al. **J Hepatol** 1991 Mar;12(2):251–5 (42 ref.)

Theoretical mechanisms for synthesis of carcinogen-induced embryonic proteins: XXIV. Repeated embryonic genes in liver. Hancock RL. **Med Hypotheses** 1991 Mar; 34(3):256–60 (33 ref.)

Potentiation of halomethane hepatotoxicity by chlordecone: a hypothesis for the mechanism. Mehendale HM. **Med Hypotheses** 1990 Dec;33(4):289–99 (70 ref.)

Hepatotoxicity induced by the Oriental hornet (Vespa orientalis) venom sac extract. Neuman MG, et al. **Pharmacol Toxicol** 1991;69 Suppl 1:1–36 (233 ref.)

Nonparenchymal cells and hepatotoxicity. Laskin DL. **Semin Liver Dis** 1990 Nov;10(4):293–304 (205 ref.)

Molecular mechanisms of the hepatotoxicity caused by acetaminophen. Nelson SD. **Semin Liver Dis** 1990 Nov; 10(4):267–78 (197 ref.)

Drug-induced allergic hepatitis. Pohl LR. **Semin Liver Dis** 1990 Nov;10(4):305–15 (106 ref.)

Pyrrolizidine alkaloids in milk: thresholds of intoxication. Molyneux RJ, et al. **Vet Hum Toxicol** 1990;32 Suppl:94–103 (54 ref.)

Toxins from Fusarium moniliforme, a common fungus in corn. Voss KA. **Vet Hum Toxicol** 1990;32 Suppl:57–63 (55 ref.)

The toxicological significance of decreased activities of blood alanine and aspartate aminotransferase. Waner T, et al. **Vet Res Commun** 1991;15(1):73–8 (22 ref.)

[Current findings on the hepatic toxicity of alcohol] Gonvers JJ. **Rev Med Suisse Romande** 1991 May;111(5):385–8 (10 ref.) **(Fre)**

[Drug interactions with quinolones. Modification of hepatic monooxygenases as the cause] Schulz-Schalge T, et al. **Med Monatsschr Pharm** 1990 Dec;13(12):372–81 (32 ref.) **(Ger)**

[Biochemical aspects of alcoholism. IV. Alcohol-induced diseases of the liver] Szczepańska-Szewczyk M, et al. **Postepy Hig Med Dosw** 1989;43(5–6):541–73 (103 ref.) (Eng. Abstr.) **(Pol)**

[The mechanisms of the hepatotoxicity of paracetamol] Vengerovskiĭ AI, et al. **Farmakol Toksikol** 1991 Jan–Feb; 54(1):76–80 (76 ref.) (Eng. Abstr.) **(Rus)**

[Ethanol and protein biosynthesis in the animal liver (review of the literature)] Bozhko GKh, et al. **Vopr Med Khim** 1990 Jul–Aug;36(4):2–6 (52 ref.) (Eng. Abstr.) **(Rus)**

[The pharmacodynamics of hepatic protectors from the lady's-thistle (Silybum marianum)] Rumiantseva ZhN. **Vrach Delo** 1991 May;(5):15–9 (40 ref.) **(Rus)**

ENZYMOLOGY

Heterogeneous intrahepatic distribution of glutamine synthetase. Gebhardt R. **Acta Histochem Suppl** 1990; 40:23–8 (25 ref.)

Liver plasma membrane ecto-ATPase. Purification, localization, cloning, and functions. Lin SH. **Ann N Y Acad Sci** 1990;603:394–9; discussion 399–400 (10 ref.)

Boehringer Mannheim Award lecture. Phosphatidylcholine metabolism: masochistic enzymology, metabolic regulation, and lipoprotein assembly. Vance DE. **Biochem Cell Biol** 1990 Oct;68(10):1151–65 (116 ref.)

Hormonal regulation of liver phosphoenolpyruvate carboxykinase and glucokinase gene expression at weaning in the rat. Girard J, et al. **Biochimie** 1991 Jan;73(1):71–6 (36 ref.)

Gi-2 is at the centre of an active phosphorylation/dephosphorylation cycle in hepatocytes: the fine-tuning of stimulatory and inhibitory inputs into adenylate cyclase in normal and diabetic states. Houslay MD. **Cell Signal** 1991;3(1):1–9 (64 ref.)

The 1988 Bernard B. Brodie Award lecture. Functional diversity of hepatic cytochromes P-450. Levin W. **Drug Metab Dispos** 1990 Nov–Dec;18(6):824–30 (60 ref.)

The effect of hepatic enzyme-inducing drugs on thyroid hormones and the thyroid gland. Curran PG, et al. **Endocr Rev** 1991 May;12(2):135–50 (161 ref.)

Liver enzyme abnormalities in Parkinson's disease. Tanner CM. **Geriatrics** 1991 Aug;46 Suppl 1:60–3 (29 ref.)

Protease-activated protein kinase C in rat liver. Hashimoto E, et al. **Int J Biochem** 1991;23(5–6):507–12 (70 ref.)

Hormone sensitive phosphodiesterase of liver and adipose tissue. Loten EG. **Int J Biochem** 1991;23(7–8):649–55 (72 ref.)

Regulation of galactose metabolism: implications for therapy. Segal S, et al. **J Inherited Metab Dis** 1990;13(4):487–500 (45 ref.)

Abnormal liver enzyme-mediated metabolism in Parkinson's disease: a second look. Tanner CM. **Neurology** 1991 May; 41(5 Suppl 2):89–91; discussion 92 (29 ref.)

Molecular basis of human MAO A and B. Shih JC. **Neuropsychopharmacology** 1991 Jan;4(1):1–7 (43 ref.)

Inhibition of the rate-limiting enzyme in cholesterol biosynthesis leads to up-regulation of the LDL receptor. **Nutr Rev** 1991 May;49(5):153–6 (15 ref.)

Enzyme activities affecting tissue lipid fatty acid composition. Sprecher H. **World Rev Nutr Diet** 1991;66:166–76 (33 ref.)

Oxidative injury mediated by the hepatic cytochrome P-450 system in conjunction with cellular iron. Effects on the pathway of haem biosynthesis. Smith AG, et al. **Xenobiotica** 1990 Sep;20(9):865–77 (60 ref.)

[The pregnancy at risk and the HELLP syndrome] Georgiev D, et al. **Akush Ginekol (Sofiia)** 1991;30(2):53–8 (62 ref.) **(Bul)**

[The HELLP syndrome—one hypothesis] Katsulov A. **Akush Ginekol (Sofiia)** 1991;30(2):1–6 (24 ref.) (Eng. Abstr.) **(Bul)**

[Age related changes in the liver. Consequences for drug therapy] Zeeh J, et al. **Fortschr Med** 1990 Nov 30; 108(34):651–3 (16 ref.) (Eng. Abstr.) **(Ger)**

[Role of hepatic lipases, cholesterol ester transfer proteins and LCAT in the postprandial phase] van Tol A. **Klin Wochenschr** 1990;68 Suppl 22:23–8 (35 ref.) (Eng. Abstr.) **(Ger)**

[Cytochrome P-450 in human fetal liver. Properties of P-450 HFLa,a form of cytochrome P-450 in human fetal livers] Kitada M. **Yakugaku Zasshi** 1991 Mar;111(3):158–69 (38 ref.) (Eng. Abstr.) **(Jpn)**

[Evaluation of the inducing and autoinducing properties of pyrene, fluoranthene and benz(a)anthracene] Brandys J, et al. **Folia Med Cracov** 1990;31(3):157–63 (18 ref.) (Eng. Abstr.) **(Pol)**

[Specificity of cytochrome P-450 forms in the rat liver after inhalation of multicomponent hydrocarbon mixture] Szutowski MM, et al. **Folia Med Cracov** 1990;31(3):165–74 (16 ref.) (Eng. Abstr.) **(Pol)**

[The role and mechanism of action of hepatic lipase] Piskorska D, et al. **Przegl Lek** 1990;47(9):648–50 (45 ref.) **(Pol)**

[Drug metabolism is dynamic. It is as adaptable as the immune system] Ingelman-Sundberg M, et al. **Lakartidningen** 1991 Jul 10;88(28–29):2454–7 (16 ref.) (Eng. Abstr.) **(Swe)**

GROWTH & DEVELOPMENT

Food restriction slows down age-related changes in cell membrane parameters. Pieri C. **Ann N Y Acad Sci** 1991; 621:353–62 (67 ref.)

IMMUNOLOGY

Interactions of hepatitis B virus with hepatocytes: mechanism and clinical relevance. Theilmann L, et al. **Hepatogastroenterology** 1991 Feb;38(1):10–3 (58 ref.)

Immunology and the liver. Peters M, et al. **Hepatology** 1991 May;13(5):977–94 (114 ref.)

[The reticuloendothelial system of the liver in patients with peritonitis (diagnosis and correction of disorders)] Zhadkevich MM, et al. **Vestn Khir** 1990 Aug;145(8):149–53 (46 ref.) **(Rus)**

INJURIES

Immediate and follow-up management of hepatic trauma. Feliciano DV. **Compr Ther** 1991 Apr;17(4):51-6 (15 ref.)

Nonoperative management of blunt liver injuries in adults: the need for continued surveillance. Knudson MM, et al. **J Trauma** 1990 Dec;30(12):1494-500 (46 ref.)

[Post-traumatic hemobilia caused by arteriobiliary fistula. A case report and review of the literature] Ortiz M, et al. **J Chir (Paris)** 1990 Oct;127(10):456-8 (15 ref.) (Eng. Abstr.) **(Fre)**

[Liver traumas] Vayre P. **J Chir (Paris)** 1990 Oct; 127(10):472-9 (55 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Regulation of extrarenal erythropoietin production. Fried W. **Adv Exp Med Biol** 1989;271:39-51 (46 ref.)

Nitrogen metabolism in normal and cirrhotic liver. Häussinger D, et al. **Adv Exp Med Biol** 1990;272:47-64 (58 ref.)

The endocytosis of lipoproteins by the liver and their intracellular pathway in comparison to other ligands. Jäckle S, et al. **Adv Exp Med Biol** 1991;285:319-24 (26 ref.)

The hepatocyte calcium oscillator. Sanchez-Bueno A, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:115-21 (15 ref.)

Review article: hypoxia and hepatic drug metabolism--clinical implications. Angus PW, et al. **Aliment Pharmacol Ther** 1990 Jun;4(3):213-25 (67 ref.)

Iron and the liver. Bonkovsky HL. **Am J Med Sci** 1991 Jan; 301(1):32-43 (55 ref.)

Interactions with oral contraceptives. Fotherby K. **Am J Obstet Gynecol** 1990 Dec;163(6 Pt 2):2153-9 (43 ref.)

Hepatic fuel metabolism during muscular work: role and regulation [editorial] Wasserman DH, et al. **Am J Physiol** 1991 Jun;260(6 Pt 1):E811-24 (112 ref.)

Cytokines and glucocorticoids in the regulation of the "hepato-skeletal muscle axis" in sepsis. Fischer JE, et al. **Am J Surg** 1991 Feb;161(2):266-71 (30 ref.)

Biotechnological and medical applications based on immobilization of hepatocytes, microorganisms, or enzyme systems by microencapsulation in artificial cells. Chang TM. **Ann N Y Acad Sci** 1990;613:109-15 (23 ref.)

Phosphorus magnetic resonance spectroscopy in nutritional research. Argov Z, et al. **Annu Rev Nutr** 1991;11:449-64 (31 ref.)

Hepatic gluconeogenesis/glycolysis: regulation and structure/function relationships of substrate cycle enzymes. Pilkis SJ, et al. **Annu Rev Nutr** 1991;11:465-515 (243 ref.)

Glutamine: a key substrate for the splanchnic bed. Souba WW. **Annu Rev Nutr** 1991;11:285-308 (99 ref.)

Transferrin receptor expression in normal and iron overloaded liver. Sciot R, et al. **APMIS Suppl** 1991; 23:21-31 (70 ref.)

Temperature acclimatization of the carp. Cellular and molecular aspects of the compensatory response. Krauskopf M, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun; 21(1):151-7 (31 ref.)

Biochemical aspects of cellular oxidative stress. Videla LA, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):85-92 (34 ref.)

In vivo phosphorus NMR studies of the hepatic metabolism of amino sugars. London RE, et al. **Basic Life Sci** 1990; 56:349-60 (22 ref.)

Biochemical and molecular aspects of the hepatic uptake of organic anions. Tiribelli C, et al. **Biochim Biophys Acta** 1990 Oct 8;1031(3):261-75 (158 ref.)

Regulation of tissue- and development-specific gene expression in the liver. Benvenisty N, et al. **Biol Neonate** 1991;59(4):181-9 (39 ref.)

Role of intracellular organelles in the hepatic transport of bile acids. Erlinger S. **Biomed Pharmacother** 1990; 44(8):409-16 (61 ref.)

The activation and silencing of gene transcription in the liver. Camper SA, et al. **Biotechnology** 1991;16:81-7 (24 ref.)

Prevention of carbohydrate-mediated clearance of ricin-containing immunotoxins by the liver. Blakey DC, et al. **Cancer Treat Res** 1988;37:457-73 (51 ref.)

The hepatocyte calcium oscillator. Cobbold PH, et al. **Cell Calcium** 1991 Feb-Mar;12(2-3):87-95 (27 ref.)

Calcium sequestration in the liver. Kraus-Friedmann N. **Cell Calcium** 1990 Nov-Dec;11(10):625-40 (96 ref.)

Transcriptional activators in hepatocytes. Johnson PF. **Cell Growth Differ** 1990 Jan;1(1):47-52 (60 ref.)

Chemical-induced interference with hepatocellular transport. Role in cholestasis. Kukongviriyapan V, et al. **Chem Biol Interact** 1991;77(3):245-61 (149 ref.)

Hepatic drug metabolism and aging. Durnas C, et al. **Clin Pharmacokinet** 1990 Nov;19(5):359-89 (320 ref.)

Pharmacokinetics of beta-adrenoceptor blocking agents: clinical significance of hepatic and/or renal clearance. Borchard U. **Clin Physiol Biochem** 1990;8 Suppl 2:28-34 (11 ref.)

Insulin agonist therapy: a challenge for the 1990s. Galloway JA, et al. **Clin Ther** 1990 Nov-Dec;12(6):460-72; discussion 459 (35 ref.)

Importance of glucagon for nitrogen loss in diabetes--via an accelerated hepatic conversion of amino nitrogen to urea nitrogen. Almdal TP. **Dan Med Bull** 1991 Apr;38(2):113-20 (101 ref.)

Malnutrition and drugs: clinical implications. Mehta S. **Dev Pharmacol Ther** 1990;15(3-4):159-65 (21 ref.)

Sex, sex hormones and chronic liver diseases. Becker U, et al. **Dig Dis** 1991;9(1):9-16 (52 ref.)

Mechanisms of metal transport across liver cell plasma membranes. Ballatori N. **Drug Metab Rev** 1991; 23(1-2):83-132 (349 ref.)

Drug metabolism and liver disease in India. Narang AP, et al. **Drug Metab Rev** 1991;23(1-2):65-81 (93 ref.)

Mechanisms and consequences of the impaired trans-sulphuration pathway in liver disease: Part I. Biochemical implications. Mato JM, et al. **Drugs** 1990;40 Suppl 3:58-64 (34 ref.)

The effects of xenobiotics on hepatic lipid and lipo-protein metabolism. Niemann R. **Exp Pathol** 1990;39(3-4):213-32 (71 ref.)

Detection of chemical carcinogens by means of the "rat liver foci bioassay". Oesterle D, et al. **Exp Pathol** 1990; 39(3-4):197-206 (68 ref.)

Application of deuterated alpha-tocopherols to the biokinetics and bioavailability of vitamin E. Burton GW, et al. **Free Radic Res Commun** 1990;11(1-3):99-107 (44 ref.)

Genetic polymorphisms of drug metabolism. Meyer UA. **Fundam Clin Pharmacol** 1990;4(6):595-615 (83 ref.)

Metabolic basis of cholesterol gallstone disease. Cooper AD. **Gastroenterol Clin North Am** 1991 Mar;20(1):21-46 (98 ref.)

Practical application of methods for in vivo assessment of insulin secretion and action. Best JD, et al. **Horm Metab Res Suppl** 1990;24:60-6 (31 ref.)

Tracer studies of liver metabolism. Radziuk J. **Horm Metab Res Suppl** 1990;24:31-40 (44 ref.)

Regulation of protein degradation in the liver. Mortimore GE, et al. **Int J Biochem** 1990;22(10):1075-80 (25 ref.)

Energy cost of absorption and metabolism in the ruminant gastrointestinal tract and liver: a review [published erratum appears in J Anim Sci 1990 Dec;68(12):4445] McBride BW, et al. **J Anim Sci** 1990 Sep;68(9):2997-3010 (84 ref.)

Pathobiology of chemical hepatocarcinogenesis: recent progress and perspectives. Part II. Metabolic and molecular changes. Bannasch P. **J Gastroenterol Hepatol** 1990 May-Jun;5(3):310-20 (91 ref.)

Role and nature of plasma membrane carrier proteins in the hepatic transport of organic anions. Tiribelli C, et al. **J Gastroenterol Hepatol** 1989 Mar-Apr;4(2):195-205 (77 ref.)

Altered Ca2+ homeostasis and functional correlates in hepatocytes and adipocytes in endotoxemia and sepsis. Spitzer JA. **J Trauma** 1990 Dec;30(12 Suppl):S192-7 (48 ref.)

Factors which regulate net hepatic glucose uptake in vivo. Cherrington AD, et al. **JPEN J Parenter Enteral Nutr** 1991 May-Jun;15(3):71S-73S (15 ref.)

The liver and glycogen metabolism. Radziuk J. **JPEN J Parenter Enteral Nutr** 1991 May-Jun; 15(3):77S-81S (51 ref.)

Regulation of the human C-reactive protein gene, a major marker of inflammation and cancer. Toniatti C, et al. **Mol Biol Med** 1990 Jun;7(3):199-212 (63 ref.)

Fatty acid-binding protein expression in the liver: its regulation and relationship to the zonation of fatty acid metabolism. Bass NM. **Mol Cell Biochem** 1990 Oct 15-Nov 8;98(1-2):167-76 (40 ref.)

Transcriptional regulation of hepatic angiotensinogen gene expression by the acute-phase response. Ron D, et al. **Mol Cell Endocrinol** 1990 Dec 21;74(3):C97-104 (34 ref.)

Cellular uptake of copper by hepatocytes. **Nutr Rev** 1991 Apr;49(4):123-5 (7 ref.)

Molecular mechanisms involved in the regulation of amino acid transport. Cheeseman CI. **Prog Biophys Mol Biol** 1991; 55(2):71-84 (81 ref.)

Receptor-mediated endocytosis of connective tissue macromolecules in liver endothelial cells. Smedsrød B. **Scand J Clin Lab Invest Suppl** 1990;202:148-51 (16 ref.)

Importance and regulation of hepatic glutathione. DeLeve LD, et al. **Semin Liver Dis** 1990 Nov;10(4):251-66 (204 ref.)

Status of calcium and thiols in hepatocellular injury by oxidative stress. Reed DJ. **Semin Liver Dis** 1990 Nov; 10(4):285-92 (104 ref.)

Role of cytochromes P450 in drug metabolism and hepatotoxicity. Watkins PB. **Semin Liver Dis** 1990 Nov; 10(4):235-50 (176 ref.)

A 'swell' way to regulate metabolism. Watford M. **Trends Biochem Sci** 1990 Sep;15(9):329-30 (21 ref.)

[The functional interactions between 2 electron-transport links in liver endoplasmic membranes] Angelov E. **Eksp Med Morfol** 1990;29(4):65-70 (22 ref.) **(Bul)**

[Cultured hepatocytes and drugs] Bourel M, et al. **C R Soc Seances Soc Biol Fil** 1990;184(3-4):211-6 (14 ref.) **(Fre)**

[Calcium in hepatocytes: physiology and physiopathology] Claret M, et al. **Gastroenterol Clin Biol** 1991;15(1):57-63 (71 ref.) **(Fre)**

[Triglycerides in 1991] Daubresse JC. **Rev Med Liege** 1991 May;46(5):245-55 (25 ref.) **(Fre)**

[Metabolism of chylomicrons and very low density lipoproteins] Windler E. **Klin Wochenschr** 1990;68 Suppl 22:19-22 (15 ref.) (Eng. Abstr.) **(Ger)**

[Regulation of liver-specific gene expression] Tsutsumi K, et al. **Seikagaku** 1991 Jun;63(6):428-33 (27 ref.) **(Jpn)**

[Biochemical basis of the effect of organophosphate pesticides on humans] Lutz W, et al. **Med Pr** 1990;41(3):181-9 (31 ref.) (Eng. Abstr.) **(Pol)**

[Current theories on biotransformation and metabolism of mercury] Moszczyński P, et al. **Postepy Hig Med Dosw** 1990;44(1-3):153-80 (125 ref.) (Eng. Abstr.) **(Pol)**

[Clinical pharmacokinetics of carbamazepine] Kanarkowski R, et al. **Psychiatr Pol** 1989 Sep-Dec;23(5-6):379-86 (58 ref.) **(Pol)**

[The role of lipid peroxidation in post-stress aggravation of influenza and the corrective effect od ionol] Inozemtseva LI, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):54-7 (17 ref.) (Eng. Abstr.) **(Rus)**

[Imprinting of cytochrome P-450 and regulation of expression of its sex isoforms in the rat liver] Kobliakov VA, et al. **Vopr Onkol** 1990;36(12):1418-28 (69 ref.) **(Rus)**

[Characterization of lipoprotein catabolism in biliary cholesterol hypersecretion conditions in rats] Paz Marzolo M, et al. **Arch Biol Med Exp (Santiago)** 1989 Dec; 22(4):361-74 (52 ref.) (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Chronic hepadnavirus infections. Mason WS, et al. **Prog Clin Biol Res** 1991;364:235-42 (14 ref.)

[Delta hepatitis] Nikiforov ND, et al. **Sov Med** 1991;(1):32-5 (49 ref.) **(Rus)**

PARASITOLOGY

Anti-sporozoite antibodies. Hollingdale MR. **Bull World Health Organ** 1990;68 Suppl:47-51 (42 ref.)

Hepatic phase of malaria: a crucial role as "go-between" with other stages. Mazier D, et al. **Bull World Health Organ** 1990;68 Suppl:126-31 (36 ref.)

Hepatic phase of malaria is the target of cellular mechanisms induced by the previous and the subsequent stages. A crucial role for liver nonparenchymal cells. Mazier D, et al. **Immunol Lett** 1990 Aug;25(1-3):65-70 (46 ref.)

PATHOLOGY

The paleopathology of the liver. Zimmerman MR. **Ann Clin Lab Sci** 1990 Sep-Oct;20(5):301-6 (15 ref.)

Reactive oxygen and ischemia/reperfusion injury of the liver. Jaeschke H. **Chem Biol Interact** 1991;79(2):115-36 (138 ref.)

Liver structure, function, and anatomy: effects of hepatitis B virus. Israel J, et al. **Curr Top Microbiol Immunol** 1991; 168:1-20 (54 ref.)

Pathology and pathogenesis of toxic (alcoholic) liver disease. Charels K, et al. **Hepatogastroenterology** 1991 Apr; 38(2):189-94 (61 ref.)

Immunopathology of chronic viral hepatitis. Desmet VJ. **Hepatogastroenterology** 1991 Feb;38(1):14-21 (136 ref.)

Hepatic myelolipoma: new case and review of the literature. Moreno Gonzalez E, et al. **Hepatogastroenterology** 1991 Feb;38(1):60-3 (13 ref.)

The cytopathology of metal overload. Alt ER, et al. **Int Rev Exp Pathol** 1990;31:165-88 (67 ref.)

Pathobiology of chemical hepatocarcinogenesis: recent progress and perspectives. Part I. Cytomorphological changes and cell proliferation. Bannasch P. **J Gastroenterol Hepatol** 1990 Mar-Apr;5(2):149-59 (116 ref.)

Clinicopathological approach to human liver allograft dysfunction [see comments] McCaughan GW, et al. **J Gastroenterol Hepatol** 1989 Sep-Oct;4(5):467-77 (52 ref.) Comment in: J Gastroenterol Hepatol 1989 Sep-Oct;4(5):479-81.

Nodular regenerative hyperplasia of the liver and the Budd-Chiari syndrome. Case report, review of the literature and reappraisal of pathogenesis. de Sousa JM, et al. **J Hepatol** 1991 Jan;12(1):28-35 (49 ref.)

Percutaneous umbilical blood sampling, fetal skin sampling, and fetal liver biopsy. Shulman LP, et al. **Semin Perinatol** 1990 Dec;14(6):456-64 (52 ref.)

Fine-needle aspiration biopsy in the monitoring of liver allografts. Lautenschlager I, et al. **Transpl Int** 1991 Apr; 4(1):54-61 (41 ref.)

[Nodular regenerative hyperplasia and pulmonary arterial hypertension] Bedossa P, et al. **Gastroenterol Clin Biol** 1990; 14(11):881-4 (40 ref.) (Eng. Abstr.) **(Fre)**

[Fatal hepatic necrosis due to a treatment course of rheumatoid arthritis with gold salts] Van Linthoudt D, et al. **Schweiz Med Wochenschr** 1991 Jul 27;121(30):1099-102 (38 ref.) (Eng. Abstr.) **(Fre)**

[Liver anatomy and its intraoperative application] Bismuth H, et al. **Chirurg** 1990 Oct;61(10):679-84 (12 ref.) **(Ger)**

[Diagnosis of focal nodular hyperplasia] Müller-Leisse C, et al. **Rontgenpraxis** 1990 Aug;43(8):281-7 (36 ref.) **(Ger)**

[Cytoskeleton--function and pathology: studies on the pathology of the intermediate filament cytoskeleton of liver cells] Denk H, et al. **Verh Dtsch Ges Pathol** 1990;74:335-49 (44 ref.) (Eng. Abstr.) **(Ger)**

[Transjugular liver biopsy: when and how?] Baruch Y, et al. **Harefuah** 1990 Nov 15;119(10):338-9 (26 ref.) **(Heb)**

[Diagnostic imaging and nosologic profile of liver adenoma and focal nodular hyperplasia] Giordano G, et al. **G Chir** 1988 Nov;9(11):783-7 (22 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Effects of alcohol on polyphosphoinositide-mediated intracellular signaling. Hoek JB, et al. **Ann N Y Acad Sci** 1991;625:375-87 (17 ref.)

Regulation of the plasma membrane potential in hepatocytes--mechanism and physiological significance. Moule SK, et al. **Biochim Biophys Acta** 1990 Oct 8; 1031(3):383–97 (145 ref.)
Roles of the liver and kidney in acid–base regulation and its disorders. Cohen RD. **Br J Anaesth** 1991 Aug; 67(2):154–64 (40 ref.)
Spatial and temporal organization of calcium signalling in hepatocytes. Thomas AP, et al. **Cell Calcium** 1991 Feb–Mar;12(2–3):111–26 (87 ref.)
Hepatic function and liver resection. Ozawa K. **J Gastroenterol Hepatol** 1990 May–Jun;5(3):296–309 (55 ref.)
Kupffer cell and hepatocyte interactions: a brief overview. Billiar TR, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):175S–180S (66 ref.)
The functioning liver mass. Molino G. **Ric Clin Lab** 1991 Jan–Mar;21(1):9–40 (62 ref.)
[The effect of mechanical ventilation on kidney and liver function] Peters J. **Klin Anasthesiol Intensivther** 1991; 39:364–78 (46 ref.) **(Ger)**
[The ontogeny of imprinting and of the expression of the sexual differentiation of liver functions] Rozen VB, et al. **Zh Evol Biokhim Fiziol** 1990 Sep–Oct;26(5):707–13 (22 ref.) **(Rus)**
[Liver and erythron] Sánchez-Fayos MP, et al. **Sangre (Barc)** 1991 Feb;36(1):29–36 (58 ref.) **(Spa)**

PHYSIOPATHOLOGY

Role of liver in the pathogenesis of type II diabetes. Gerich JE. **Adv Second Messenger Phosphoprotein Res** 1990; 24:507–10 (13 ref.)
Effects of cytokines on the liver. Andus T, et al. **Hepatology** 1991 Feb;13(2):364–75 (233 ref.)

RADIOGRAPHY

[X-ray computed tomography of the liver with injection] Tyrrel RP, et al. **J Radiol** 1990 May;71(5):317–23 (43 ref.) **(Fre)**

RADIONUCLIDE IMAGING

Radionuclide studies of the liver and hepatobiliary system. Kim EE, et al. **Curr Opin Radiol** 1990 Dec;2(6):844–50 (17 ref.)
Estimation of fractal dimension of parenchymal organs based on power spectral analysis of nuclear medicine scans. Cargill EB, et al. **Prog Clin Biol Res** 1991;363:557–70 (16 ref.)

SECRETION

Secretion of biliary lipids from the hepatocyte. Marzolo MP, et al. **Hepatology** 1990 Sep;12(3 Pt 2):134S–141S; discussion 141S–142S (59 ref.)

SURGERY

Hepatic resection. Indications, procedures, patient care. Steuer K. **AORN J** 1990 Aug;52(2):230–4, 236, 238–43, passim (40 ref.)
Revolution in liver surgery. Bismuth H, et al. **J Gastroenterol Hepatol** 1990;5 Suppl 1:95–109 (62 ref.)
Improvement of liver resectional therapy by adjuvant chemotherapy in alveolar hydatid disease. Swiss Echinococcosis Study Group (SESG). Ammann RW. **Parasitol Res** 1991;77(4):290–3 (20 ref.)
[Characteristics of hemostasis in liver surgery] Abduganiev AA, et al. **Klin Khir** 1990;(9):51–3 (37 ref.) **(Rus)**

LIVER ABSCESS

Pyogenic liver abscess: a review of aetiology, diagnosis and intervention. Srivastava ED, et al. **Dig Dis** 1990;8(5):287–93 (54 ref.)
Liver abscess in Thailand. Kladchareon N. **Southeast Asian J Trop Med Public Health** 1990 Sep; 21(3):347–53 (32 ref.)
[Pyogenic abscess of the liver] Gillion JM, et al. **Ann Med Interne (Paris)** 1991;142(2):109–13 (50 ref.) **(Fre)**

DIAGNOSIS

Pyogenic hepatic abscess. Vukmir RB. **Ann Emerg Med** 1991 Apr;20(4):421–3 (19 ref.)

DRUG THERAPY

Ampicillin–sulbactam therapy for multiple pyogenic hepatic abscesses [clinical conference] Zenon GJ 3d, et al. **Clin Pharm** 1990 Dec;9(12):939–47 (45 ref.)

ETIOLOGY

Hepatic abscess following biliary tract surgery. Etiology, treatment and results. Carrel T, et al. **Eur J Surg** 1991 Mar; 157(3):209–13 (18 ref.)

SURGERY

[Liver abscess: clinical cases and review of the literature] Nobili P, et al. **G Chir** 1989 Jun;10(6):313–22 (51 ref.) (Eng. Abstr.) **(Ita)**

THERAPY

Percutaneous management of pyogenic hepatic abscesses. Andersson R, et al. **HPB Surg** 1990 Jul;2(3):185–8 (10 ref.)

LIVER ABSCESS, AMEBIC

Amoebiasis and other parasitic diseases of the liver. Viranuvatti V. **J Gastroenterol Hepatol** 1989 Nov–Dec; 4(6):563–79 (44 ref.)

ULTRASONOGRAPHY

[Strategy in sonographic suspicion of a parasitic disease of the liver (echinococcosis and amebic abscess)] Meyenberger C. **Schweiz Rundsch Med Prax** 1990 Nov 13; 79(46):1399–405 (54 ref.) (Eng. Abstr.) **(Ger)**

LIVER CELL ADHESION MOLECULES see **CELL ADHESION MOLECULES**

LIVER CIRCULATION

see related
PORTAL SYSTEM

[Segmentation of the liver and anatomical variants of the portal system] Trinh Van Minh, et al. **Ann Chir** 1990; 44(7):561–9 (31 ref.) (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

[Hepatic circulation and anesthesia] Fujita Y, et al. **Masui** 1991 Feb;40(2):166–78 (116 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Detection of occult hepatic metastases using the hepatic perfusion index. Is the hepatic perfusion index clinically useful? Goldberg JA, et al. **Nucl Med Commun** 1991 Feb; 12(2):158–62 (26 ref.)
Detection of occult hepatic metastases using the hepatic perfusion index. Robinson PJ, et al. **Nucl Med Commun** 1991 Feb;12(2):153–8 (29 ref.)
[Hemodynamic consequences of portal decompression: which is the optimal shunt?] Rössle M, et al. **Z Gastroenterol** 1990 Nov;28(11):630–4 (59 ref.) (Eng. Abstr.) **(Ger)**

LIVER CIRRHOSIS

Cirrhosis of the liver. A regenerative process. Callea F, et al. **Dig Dis Sci** 1991 Sep;36(9):1287–93 (27 ref.)
Liver fibrosis: perspectives in pathobiochemical research and clinical outlook. Gressner AM. **Eur J Clin Chem Clin Biochem** 1991 May;29(5):293–311 (149 ref.)
[Epistemology of liver cirrhosis] Coppo M, et al. **Medicina (Firenze)** 1990 Apr–Jun;10(2):99–107 (41 ref.) (Eng. Abstr.) **(Ita)**

BLOOD

[Plasma fibronectin level in patients with chronic diseases of the liver] Topchil NV, et al. **Vestn Akad Med Nauk SSSR** 1991;(2):53–4 (10 ref.) (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Current medical management of cirrhotic ascites. Herrera JL. **Am J Med Sci** 1991 Jul;302(1):31–7 (84 ref.)
Hepatic cirrhosis as a doubtful cause of eyelid retraction [letter] Bartley GB, et al. **Am J Ophthalmol** 1991 Jan 15; 111(1):109–10 (3 ref.)
Chylous ascites in cirrhosis: a case report and review of the literature. Cheng WS, et al. **J Gastroenterol Hepatol** 1989 Jan–Feb;4(1):95–9 (23 ref.)
Are patients with cirrhosis choline deficient? **Nutr Rev** 1990 Oct;48(10):383–5 (9 ref.)
Hyponatraemia in patients with cirrhosis. Papadakis MA, et al. **Q J Med** 1990 Jul;76(279):675–88 (104 ref.)
[Primary prevention of digestive hemorrhages in cirrhotic patients] Calès P. **Ann Gastroenterol Hepatol (Paris)** 1990 Oct;26(5):193–200 (82 ref.) **(Fre)**
[Portal venous system calcifications. Study of 3 cases and review of the literature] Delamarre J, et al. **Gastroenterol Clin Biol** 1991;15(3):254–60 (44 ref.) (Eng. Abstr.) **(Fre)**
[Is detection of primary hepatocellular carcinoma in cirrhosis useful?] Dumas O, et al. **Gastroenterol Clin Biol** 1990; 14(10):715–26 (138 ref.) **(Fre)**
[Gastric modifications in cirrhosis] Payen JL, et al. **Gastroenterol Clin Biol** 1991;15(4):285–95 (150 ref.) **(Fre)**
[Spontaneous bacterial peritonitis in cirrhotic patients] Richardet JP, et al. **Gastroenterol Clin Biol** 1991; 15(3):239–49 (160 ref.) **(Fre)**
[Emergency diagnosis: hemoperitoneum caused by spontaneous rupture of hepatocarcinoma in a patient with liver cirrhosis] Ciuba T. **J Chir (Paris)** 1990 Nov; 127(11):539–41 (7 ref.) (Eng. Abstr.) **(Fre)**
[Liver cirrhosis--current aspects of diagnosis and therapy.2: therapy of complications] Held C. **Z Arztl Fortbild (Jena)** 1990;84(16):819–24 (28 ref.) **(Ger)**
[Therapy and prevention of hemorrhage from esophageal varices] Holstege A, et al. **Z Gastroenterol** 1990 Jun; 28(6):302–14 (185 ref.) (Eng. Abstr.) **(Ger)**
[Acute variceal hemorrhage] Sauerbruch T. **Z Gastroenterol Verh** 1991 Mar;26:18–20 (37 ref.) **(Ger)**
[Hyponatremia in cirrhosis with ascites] Bronzi G, et al. **Minerva Med** 1990 Sep;81(9):591–6 (42 ref.) (Eng. Abstr.) **(Ita)**
[Medical therapy of portal hypertension due to liver cirrhosis] Cerini R, et al. **Recenti Prog Med** 1991 Feb;82(2):91–9 (86 ref.) (Eng. Abstr.) **(Ita)**
[A case of minute cholangiocellular carcinoma which was found in the follow-up periods of liver cirrhosis and was indistinguishable from hepatocellular carcinoma on hepatic angiography] Nagaoka T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jun;88(6):1369–74 (14 ref.) **(Jpn)**
[A case of extrahepatic portal vein aneurysm with liver cirrhosis] Takahashi A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Feb;88(2):201–4 (23 ref.) **(Jpn)**
[Intravascular coagulation of the blood in liver cirrhosis (a review of the literature)] Shelest LIu, et al. **Vrach Delo** 1990 Aug;(8):44–7 (42 ref.) **(Rus)**
[Consumption coagulopathy and liver cirrhosis: etiopathogenesis and diagnosis] Moreno Abadía V, et al. **An Med Interna** 1989 Jun;6(6):318–22 (59 ref.) **(Spa)**
[Spontaneous bacterial peritonitis in the cirrhotic patient] Ribera E, et al. **An Med Interna** 1991 Jun;8 Suppl 2:44–8 (5 ref.) **(Spa)**

DIAGNOSIS

Prolonged T1 in patients with liver cirrhosis: an in vivo MRI study. Thomsen C, et al. **Magn Reson Imaging** 1990; 8(5):599–604 (35 ref.)
[Liver cirrhosis--current aspects of diagnosis and therapy. 1: etiology, epidemiology, prognosis, diagnosis] Held C. **Z Arztl Fortbild (Jena)** 1990;84(16):815–8 (28 ref.) **(Ger)**

DRUG THERAPY

Prostaglandins and the treatment of hepatorenal syndrome in cirrhosis. Arroyo V, et al. **J Hepatol** 1990 Sep; 11(2):142–4 (11 ref.)
[New "diuretics" in therapy of ascites] Schölmerich J, et al. **Z Gastroenterol Verh** 1991 Mar;26:144–8 (43 ref.) **(Ger)**
[Treatment of ascites in liver cirrhosis] Geller LI. **Sov Med** 1991;(5):46–7 (32 ref.) **(Rus)**

EPIDEMIOLOGY

Occurrence of liver cirrhosis among autopsies in Trieste. Giarelli L, et al. **IARC Sci Publ** 1991;(112):37–43 (23 ref.)

ETIOLOGY

Perisinusoidal stellate cells of the liver: important roles in retinol metabolism and fibrosis. Blomhoff R, et al. **FASEB J** 1991 Mar 1;5(3):271–7 (44 ref.)
Epidemiology of hepatitis B virus (HBV) infections with particular regard to current routes of transmission and development of cirrhosis and malignancy. Norkrans G. **Scand J Infect Dis Suppl** 1990;69:43–7 (22 ref.)
[Current findings in hepatic fibrogenesis] Chira O. **Rev Med Interna [Med Interna]** 1990 Mar–Apr;42(2):111–8 (26 ref.) **(Rum)**

GENETICS

Progressive neuronal degeneration of childhood with liver disease (Alpers–Huttenlocher syndrome): a personal review. Harding BN. **J Child Neurol** 1990 Oct;5(4):273–87 (38 ref.)

METABOLISM

Nitrogen metabolism in normal and cirrhotic liver. Häussinger D, et al. **Adv Exp Med Biol** 1990;272:47–64 (58 ref.)
Biochemical markers of hepatic fibrosis. Plebani M, et al. **Clin Biochem** 1991 Jun;24(3):219–39 (273 ref.)
Mechanisms and consequences of the impaired trans-sulphuration pathway in liver disease: Part II. Clinical consequences and potential for pharmacological intervention in cirrhosis. Pisi E, et al. **Drugs** 1990;40 Suppl 3:65–72 (36 ref.)
Current indications of plasma atrial natriuretic peptide measurements in human diseases. Dussaule JC, et al. **Horm Res** 1990;34(3–4):133–7 (30 ref.)
Pharmacokinetics of fluoroquinolones in hepatic failure. Montay G, et al. **J Antimicrob Chemother** 1990 Oct;26 Suppl B:61–7 (17 ref.)
[Extracellular matrix, hepatic fibrosis and anti-fibrosis treatment] Geubel AP. **Acta Gastroenterol Belg** 1990 Mar–Apr;53(2):216–24 (25 ref.) (Eng. Abstr.) **(Fre)**
[Nutritional status and its evaluation in patients with cirrhosis of the liver complicated by portal hypertension (review of the literature)] Tsatsanidi KN, et al. **Khirurgiia (Mosk)** 1990 Jul;(7):152–8 (108 ref.) **(Rus)**

PATHOLOGY

[Selection of quantitative histological parameters in liver cirrhosis and their significances] Zhao RJ, et al. **Chung-hua Ping Li Hsueh Tsa Chih** 1990 Dec;19(4):307–9 (9 ref.) **(Chi)**

PHYSIOPATHOLOGY

Pathophysiology and treatment of ascites in cirrhosis. La Villa G, et al. **Trop Gastroenterol** 1990 Apr-Jun;11(2):56-75 (158 ref.)

[Prostaglandins, liver cirrhosis and kidney function] Vladov V, et al. **Vutr Boles** 1991;30(2):28-36 (24 ref.) **(Bul)**

[Regulation of water-electrolyte balance in cirrhosis of the liver] Winnicki C. **Pol Tyg Lek** 1990 Apr 16-30; 45(16-18):361-4 (20 ref.) **(Pol)**

PREVENTION & CONTROL

[The effect of D-penicillamine on experimental liver cirrhosis induced by CCl_4] Schaff Z, et al. **Morphol Igazsagugyi Orv Sz** 1990 Jul;30(3):161-9 (30 ref.) (Eng. Abstr.) **(Hun)**

SURGERY

Hepatic function and liver resection. Ozawa K. **J Gastroenterol Hepatol** 1990 May-Jun;5(3):296-309 (55 ref.)

[Hepatic transplantation in cirrhosis] Balladur P, et al. **Acta Gastroenterol Belg** 1990 Mar-Apr;53(2):267-75 (25 ref.) (Eng. Abstr.) **(Fre)**

[Hemodynamic consequences of portal decompression: which is the optimal shunt?] Rössle M, et al. **Z Gastroenterol** 1990 Nov;28(11):630-4 (59 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

The clinical management of cirrhosis. Achord JL. **Compr Ther** 1991 Apr;17(4):57-64 (12 ref.)

LIVER CIRRHOSIS, ALCOHOLIC

Hepatocellular carcinoma, alcohol, and cirrhosis: facts and hypotheses. Naccarato R, et al. **Dig Dis Sci** 1991 Aug; 36(8):1137-42 (81 ref.)

COMPLICATIONS

IgG-kappa type multiple myeloma in alcoholic cirrhosis--a case report. Matsumoto K, et al. **Fukuoka Igaku Zasshi** 1991 Jun;82(6):391-7 (19 ref.)

[Portal venous system calcifications. Study of 3 cases and review of the literature] Delamarre J, et al. **Gastroenterol Clin Biol** 1991;15(3):254-60 (44 ref.) (Eng. Abstr.) **(Fre)**

[Severe alcoholic cirrhosis associated with spur cell anemia and DIC] Fukuda T, et al. **Fukuoka Igaku Zasshi** 1991 Jun;82(6):398-402 (18 ref.) (Eng. Abstr.) **(Jpn)**

METABOLISM

[Dietary factors in the pathogenesis of alcoholic cirrhosis: what's new? [editorial] Naveau S, et al. **Gastroenterol Clin Biol** 1990;14(10):695-7 (23 ref.) **(Fre)**

PATHOLOGY

The spectrum of alcohol induced liver disease. Histological features. Christoffersen P, et al. **APMIS Suppl** 1991;23:40-5 (27 ref.)

LIVER CIRRHOSIS, BILIARY

COMPLICATIONS

Metabolic bone disease in primary biliary cirrhosis. Diamond TH. **J Gastroenterol Hepatol** 1990 Jan-Feb;5(1):66-81 (158 ref.)

[Generalized granuloma annulare with primary biliary cirrhosis] Koizumi H, et al. **Nippon Hifuka Gakkai Zasshi** 1990 Jul;100(8):871-8 (27 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

[Early diagnosis and therapy of primary biliary cirrhosis] Breuer N. **Z Gastroenterol Verh** 1991 Mar;26:93-5 (15 ref.) **(Ger)**

DRUG THERAPY

The rationale for using ursodeoxycholic acid in chronic liver disease. Heller FR, et al. **Acta Gastroenterol Belg** 1990 Jul-Aug;53(4):402-8 (42 ref.)

Review article: bile acid therapy. Lanzini A, et al. **Aliment Pharmacol Ther** 1990 Feb;4(1):1-24 (130 ref.)

Treatment of chronic liver disease with ursodeoxycholic acid. Guslandi M. **J Int Med Res** 1990 Nov-Dec;18(6):497-505 (73 ref.)

[What is guaranteed in the therapy of primary biliary cirrhosis with bile acids?] Leuschner U. **Internist (Berl)** 1990 Nov; 31(11):707-11 (51 ref.) **(Ger)**

ETIOLOGY

[Association of sarcoidosis and primary biliary cirrhosis: review of the literature apropos of a new case] Jouanolle H, et al. **Rev Med Interne** 1990 May-Jun;11(3):252-5 (34 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Immunogenetical penetrance in patients with primary biliary cirrhosis. Shibasaki T, et al. **Jpn J Med** 1990 Sep-Oct; 29(5):533-6 (14 ref.)

IMMUNOLOGY

Identification and analysis of the major autoantigens in primary biliary cirrhosis. Yeaman SJ. **Biochem Soc Trans** 1991 Feb;19(1):196-8 (22 ref.)

Primary biliary cirrhosis: paradigm or paradox for autoimmunity. Gershwin ME, et al. **Gastroenterology** 1991 Mar;100(3):822-33 (90 ref.)

Pyruvate dehydrogenase as an antigen to detect antimitochondrial antibodies. Zurgil N, et al. **Isr J Med Sci** 1990 Dec;26(12):682-5 (18 ref.)

[Antimitochondrial antibodies in primary biliary cirrhosis] Uibo RM. **Ter Arkh** 1991;63(2):148-9 (24 ref.) **(Rus)**

PATHOLOGY

[Eosinophilia in primary biliary cirrhosis] Kokubun M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Jun;87(6):1410-6 (21 ref.) (Eng. Abstr.) **(Jpn)**

[Primary biliary cirrhosis] Gilsanz García V. **An R Acad Nac Med (Madr)** 1990;107(2):387-408 (51 ref.) **(Spa)**

PHYSIOPATHOLOGY

[Primary biliary cirrhosis] Poupon R. **Schweiz Med Wochenschr** 1991 May 18;121(20):727-32 (7 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

[Therapy of cholestatic liver diseases with ursodeoxycholic acid: a new treatment principle] Stiehl A. **Z Gastroenterol Verh** 1991 Mar;26:142-3 (19 ref.) **(Ger)**

LIVER CIRRHOSIS, EXPERIMENTAL

CHEMICALLY INDUCED

[The effect of D-penicillamine on experimental liver cirrhosis induced by CCl_4] Schaff Z, et al. **Morphol Igazsagugyi Orv Sz** 1990 Jul;30(3):161-9 (30 ref.) (Eng. Abstr.) **(Hun)**

[Platelet activating factor as a mediator of lesions of the digestive system] Polonskiĭ VM. **Klin Med (Mosk)** 1990 Aug;68(8):27-31 (39 ref.) **(Rus)**

PHYSIOPATHOLOGY

[Atrial natriuretic factor and its role in pathology] Drozdova GA, et al. **Patol Fiziol Eksp Ter** 1990 Nov-Dec;(6):55-8 (97 ref.) **(Rus)**

LIVER CIRRHOSIS, OBSTRUCTIVE see **LIVER CIRRHOSIS, BILIARY**

LIVER DISEASES

Sex, sex hormones and chronic liver diseases. Becker U, et al. **Dig Dis** 1991;9(1):9-16 (52 ref.)

Fulminant hepatic failure. Clinical features, etiology, epidemiology, and current management. Capocaccia L, et al. **Dig Dis Sci** 1991 Jun;36(6):775-9 (28 ref.)

Animal models of fulminant hepatic failure. Terblanche J, et al. **Dig Dis Sci** 1991 Jun;36(6):770-4 (35 ref.)

[Pregnancy in chronic liver disease] Halevy J. **Harefuah** 1990 Dec 16;119(12):456-8 (24 ref.) **(Heb)**

[Diagnosis and surgical treatment of polycystic disease of the liver] Mobchun AA, et al. **Khirurgiia (Mosk)** 1991 Apr; (4):162-8 (85 ref.) **(Rus)**

BLOOD

Endotoxemia in liver disease--time for re-appraisal? Triger DR. **J Hepatol** 1991 Mar;12(2):136-8 (21 ref.)

[Significance and limitations of the radioimmunologic determination of the aminoterminal peptide of procollagen III in chronic hepatopathies] Rossi L, et al. **Ann Ital Med Int** 1988 Jul-Sep;3(3):203-7 (0 ref.) (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Criteria of drug-induced liver disorders. Report of an international consensus meeting. Bénichou C. **J Hepatol** 1990 Sep;11(2):272-6 (12 ref.)

Medical surveillance for workplace hepatotoxins. Harrison R. **Occup Med** 1990 Jul-Sep;5(3):515-30 (92 ref.)

COMPLICATIONS

Chronic nonendocrine diseases with growth impairment; is growth hormone of therapeutic value? Moëll C. **Acta Paediatr Scand Suppl** 1989;362:69-71 (22 ref.)

Liver diseases unique to pregnancy. Schorr-Lesnick B, et al. **Am J Gastroenterol** 1991 Jun;86(6):659-70 (136 ref.)

Dyslipoproteinaemia of liver disease. Miller JP. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):807-32 (155 ref.)

Caroli's disease associated with hepatolithiasis: a case report and review of the Japanese literature. Tsunoda T, et al. **Gastroenterol Jpn** 1991 Feb;26(1):74-9 (6 ref.)

Sinusoidal portal hypertension in hepatic amyloidosis. Bion E, et al. **Gut** 1991 Feb;32(2):227-30 (21 ref.)

Light chain deposition disease of the liver associated with AL-type amyloidosis and severe cholestasis. Faa G, et al. **J Hepatol** 1991 Jan;12(1):75-82 (47 ref.)

Hepatobiliary abnormalities in inflammatory bowel disease. van Erpecum KJ, et al. **Neth J Med** 1989 Jun;35 Suppl 1:S40-9 (66 ref.)

[Portal venous system calcifications. Study of 3 cases and review of the literature] Delamarre J, et al. **Gastroenterol Clin Biol** 1991;15(3):254-60 (44 ref.) (Eng. Abstr.) **(Fre)**

[Post-traumatic hemobilia caused by arteriobiliary fistula. A case report and review of the literature] Ortiz M, et al. **J Chir (Paris)** 1990 Oct;127(10):456-8 (15 ref.) (Eng. Abstr.) **(Fre)**

[The skin and the liver. What is their relationship in pathology?] Deleixhe-Mauhin F, et al. **Rev Med Liege** 1990 Dec;45(12):620-9 (59 ref.) **(Fre)**

CONGENITAL

Inherited hepatic enzyme defects as candidates for liver-directed gene therapy. Horwich AL. **Curr Top Microbiol Immunol** 1991;168:185-200 (39 ref.)

DIAGNOSIS

Iron oxide-enhanced MR imaging of the liver and spleen: review of the first 5 years. Ferrucci JT, et al. **AJR Am J Roentgenol** 1990 Nov;155(5):943-50 (20 ref.)

Characterization of intrahepatic space-occupying lesions by magnetic resonance imaging. Vellet AD. **Can Assoc Radiol J** 1991 Jun;42(3):165-79 (34 ref.)

Progress in the enzyme diagnosis of liver disease: reality or illusion? Schmidt E, et al. **Clin Biochem** 1990 Oct; 23(5):375-82 (64 ref.)

Liver diseases in the elderly. Levinson JR, et al. **Clin Geriatr Med** 1991 May;7(2):371-85 (76 ref.)

MRI in liver disease. Fretz CJ, et al. **Crit Rev Diagn Imaging** 1990;31(2):187-222 (119 ref.)

Imaging of the liver. Thoeni RF. **Curr Opin Radiol** 1991 Jun;3(3):427-39 (46 ref.)

An approach to fine-needle aspiration biopsy diagnosis of hepatic masses. Bottles K, et al. **Diagn Cytopathol** 1991; 7(2):204-10 (36 ref.)

Alpha-fetoprotein: reevaluation in hepatology. Taketa K. **Hepatology** 1990 Dec;12(6):1420-32 (174 ref.)

Clinical applications of magnetic resonance imaging of the liver. Thoeni RF. **Invest Radiol** 1991 Mar;26(3):266-73 (37 ref.)

Prolonged T1 in patients with liver cirrhosis: an in vivo MRI study. Thomsen C, et al. **Magn Reson Imaging** 1990; 8(5):599-604 (35 ref.)

Present-day possibilities of diagnosis and treatment of chronic liver diseases. Contributions of the research work in the "N. Gh. Lupu" Institute of Internal Medicine. Tănăsescu C, et al. **Med Interne** 1990 Jan-Mar;28(1):3-12 (29 ref.)

Preoperative evaluation of the patient with liver disease. Conn M. **Mt Sinai J Med** 1991 Jan;58(1):75-80 (15 ref.)

Inflammatory pseudotumor of the liver. Jackson RB, et al. **Surgery** 1991 Mar;109(3 Pt 1):329-32 (6 ref.)

Laboratory tests of liver function. Herlong HF. **Trans Assoc Life Insur Med Dir Am** 1991;74:152-8 (15 ref.)

[MRI of the liver] Doenz F, et al. **Rev Med Suisse Romande** 1991 Apr;111(4):357-61 (28 ref.) **(Fre)**

[Focal liver lesion as an incidental finding. 1: Diagnostic management--procedure in sonographically echo-free tumors] Strunk H, et al. **Fortschr Med** 1990 Sep 10; 108(26):495-7 (0 ref.) (Eng. Abstr.) **(Ger)**

[Rational clinico-chemical diagnosis of hepatobiliary diseases] Blum HE, et al. **Internist (Berl)** 1991 May; 32(5):239-43 (8 ref.) **(Ger)**

[Severe liver complications in protoporphyria] Frank M, et al. **Internist (Berl)** 1991 May;32(5):277-82 (38 ref.) **(Ger)**

[Hepatic amyloidosis--symptoms and diagnosis] Yamada H, et al. **Nippon Rinsho** 1991 Apr;49(4):870-4 (22 ref.) **(Jpn)**

[A case of solitary tuberculoma of the liver and a review of the Japanese literature on the morphological characteristics in the images] Goto H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Sep;87(9):1902-6 (26 ref.) **(Jpn)**

[Possibilities of current methods of diagnosis and surgical treatment of hepatic cysts] Abdullaev AG. **Khirurgiia (Mosk)** 1990 Aug;(8):157-63 (98 ref.) **(Rus)**

[Magnetic resonance tomography in focal diseases of the liver (review)] Kholin AV. **Vestn Rentgenol Radiol** 1990 Mar-Apr;(2):59-63 (52 ref.) (Eng. Abstr.) **(Rus)**

[Molecular biology in gastroenterology. II. Its usefulness in the diagnosis] Panduro Cerda A. **Rev Gastroenterol Mex** 1990 Oct-Dec;55(4):235-41 (53 ref.) **(Spa)**

DRUG THERAPY

Corticosteroids as therapeutic agents in liver diseases [editorial] Novick DM. **Am J Gastroenterol** 1991 Jan; 86(1):30-2 (26 ref.)

Use of nondepolarizing neuromuscular blocking agents in mechanically ventilated patients. Buck ML, et al. **Clin Pharm** 1991 Jan;10(1):32-48 (203 ref.)

Traditional management of liver disorders. Messner M, et al. **Drugs** 1990;40 Suppl 3:45-57 (148 ref.)

Copper and liver disease. Danks DM. **Eur J Pediatr** 1991

Jan;150(3):142–8 (43 ref.)
Branched chain amino acids in the management of chronic liver disease. Facts and fantasies [see comments] Morgan MY. **J Hepatol** 1990 Sep;11(2):133–41 (32 ref.) Comment in: J Hepatol 1991 Mar;12(2):267.
[Bile acid therapy; new hope for patients with chronic liver diseases] van Berge Henegouwen GP, et al. **Ned Tijdschr Geneeskd** 1991 Apr 20;135(16):696–700 (46 ref.) **(Dut)**
[The use of antioxidants in patients with chronic diseases of the hepatobiliary system (a review of the literature)] Epishin AV, et al. **Vrach Delo** 1990 Apr;(4):24–7 (29 ref.) **(Rus)**

ENZYMOLOGY

Serum alkaline phosphatase isoenzymes as markers of liver disease. Narayanan S. **Ann Clin Lab Sci** 1991 Jan–Feb; 21(1):12–8 (25 ref.)
Alanine aminotransferase in clinical practice. A review. Sherman KE. **Arch Intern Med** 1991 Feb;151(2):260–5 (26 ref.)
Glutathione S–transferase in humans in health and disease. Hayes PC, et al. **Gut** 1991 Jul;32(7):813–8 (61 ref.)
Abnormal liver enzyme levels. Evaluation in asymptomatic patients. King PD. **Postgrad Med** 1991 Mar;89(4):137–41 (17 ref.)

ETIOLOGY

Hepatobiliary manifestations of the acquired immune deficiency syndrome. Cappell MS. **Am J Gastroenterol** 1991 Jan;86(1):1–15 (299 ref.)
Liver dysfunction in critical illness. Hawker F. **Anaesth Intensive Care** 1991 May;19(2):165–81 (184 ref.)
Spontaneous rupture of liver due to cholangitis. Eyres KS, et al. **Br J Clin Pract** 1990 Dec;44(12):740–2 (10 ref.)
Adult polycystic disease of the liver. Vauthey JN, et al. **Br J Surg** 1991 May;78(5):524–7 (88 ref.)
Hepatobiliary dysfunction associated with total parenteral nutrition. Payne–James JJ, et al. **Dig Dis** 1991;9(2):106–24 (119 ref.)
Aetiology and pathophysiology of chronic liver disorders. Schölmerich J, et al. **Drugs** 1990;40 Suppl 3:3–22 (167 ref.)
The cellular basis for liver injury in alpha 1–antitrypsin deficiency. Perlmutter DH. **Hepatology** 1991 Jan; 13(1):172–85 (178 ref.)
Hepatic copper toxicosis. Sternlieb I. **J Gastroenterol Hepatol** 1989 Mar–Apr;4(2):175–81 (29 ref.)
[Hepatic involvement in AIDS. A retrospective clinical study in 71 patients] Astagneau P, et al. **Ann Med Interne (Paris)** 1990;141(5):459–63 (25 ref.) (Eng. Abstr.) **(Fre)**
[Liver and human immunodeficiency virus type 1] Lesur G, et al. **Ann Med Interne (Paris)** 1991;142(3):219–25 (62 ref.) **(Fre)**
[Spontaneous rupture of the liver with hemoperitoneum during pregnancy. Apropos of a case, review of the literature] Neirynck C, et al. **J Chir (Paris)** 1991 May; 128(5):231–4 (28 ref.) (Eng. Abstr.) **(Fre)**
[Diagnosis and therapy of hepatic porphyria] Doss MO. **Acta Med Austriaca** 1990;17(5):94–9 (23 ref.) (Eng. Abstr.) **(Ger)**
[Hepatobiliary complications of chronic inflammatory bowel diseases] Walker S, et al. **Med Klin** 1990 Oct 15; 85(10):608–15 (133 ref.) **(Ger)**
[Liver changes in bone marrow transplantation] Bruguera M, et al. **Med Clin (Barc)** 1991 Apr 6;96(13):510–4 (74 ref.) **(Spa)**

GENETICS

Molecular genetics of chronic liver diseases. Brind AM, et al. **Baillieres Clin Gastroenterol** 1990 Mar;4(1):233–53 (115 ref.)
Applications of molecular genetics to gastrointestinal and liver diseases. I. Technical approaches. Summers KM. **J Gastroenterol Hepatol** 1989 Mar–Apr;4(2):183–93 (65 ref.)
Applications of molecular genetics to gastrointestinal and liver diseases. II. Clinical relevance. Summers KM. **J Gastroenterol Hepatol** 1989 May–Jun;4(3):273–81 (75 ref.)
[Pathogenesis of liver disease in alpha 1–antitrypsin deficiency] Vogel W, et al. **Acta Med Austriaca** 1990; 17(5):100–3 (15 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Secretory immunoglobulin A in hepatobiliary diseases. Vuitton DA, et al. **Dig Dis** 1991;9(2):78–91 (69 ref.)
Immunology and the liver. Peters M, et al. **Hepatology** 1991 May;13(5):977–94 (114 ref.)
[Incidence of hepatitis C virus antibodies in blood donors, high risk patient groups, liver diseases and health professionals. Multicenter study of the ABBOT ELISA method, comparison with the ORTHO test] Pár A. **Orv Hetil** 1991 May 5;132(18):955–9 (19 ref.) (Eng. Abstr.) **(Hun)**

METABOLISM

Metabolism of sedatives in liver disease. Schenker S, et al. **Adv Exp Med Biol** 1990;272:209–26 (93 ref.)
Clinical biochemistry of preeclampsia and related liver diseases of pregnancy: a review. Freund G, et al. **Clin Chim Acta** 1990 Nov 5;191(3):123–51 (95 ref.)
Quantifying hepatic function in the presence of liver disease with phenazone (antipyrine) and its metabolites. St Peter JV, et al. **Clin Pharmacokinet** 1991 Jan;20(1):50–65 (89 ref.)
Drug metabolism and liver disease in India. Narang AP, et al. **Drug Metab Rev** 1991;23(1–2):65–81 (93 ref.)
Biochemistry and pharmacology of S–adenosyl–L–methionine and rationale for its use in liver disease. Chawla RK, et al. **Drugs** 1990;40 Suppl 3:98–110 (97 ref.)
Metabolism of exogenous S–adenosyl–L–methionine in patients with liver disease. Kaye GL, et al. **Drugs** 1990;40 Suppl 3:124–8 (25 ref.)
Mechanisms and consequences of the impaired trans–sulphuration pathway in liver disease: Part I. Biochemical implications. Mato JM, et al. **Drugs** 1990;40 Suppl 3:58–64 (34 ref.)
Extrahepatic cell membrane lipid abnormalities and cellular dysfunction in liver disease. Owen JS. **Drugs** 1990;40 Suppl 3:73–83 (81 ref.)
Is glucuronidation truly preserved in patients with liver disease? Hoyumpa AM, et al. **Hepatology** 1991 Apr; 13(4):786–95 (118 ref.)
[Calcium in hepatocytes: physiology and physiopathology] Claret M, et al. **Gastroenterol Clin Biol** 1991;15(1):57–63 (71 ref.) **(Fre)**
[Nutrition in chronic liver diseases] Müller MJ, et al. **Dtsch Med Wochenschr** 1991 Jun 7;116(23):909–16 (69 ref.) **(Ger)**

MICROBIOLOGY

Bacterial endotoxins and the liver. Fox ES, et al. **Lab Invest** 1990 Dec;63(6):733–41 (94 ref.)

PATHOLOGY

[Actinomycosis of the liver] Simitchiev S, et al. **Vutr Boles** 1990;29(6):87–90 (14 ref.) (Eng. Abstr.) **(Bul)**
[Cytoskeleton—function and pathology: studies on the pathology of the intermediate filament cytoskeleton of liver cells] Denk H, et al. **Verh Dtsch Ges Pathol** 1990;74:335–49 (44 ref.) (Eng. Abstr.) **(Ger)**
[A case of fulminant hepatic failure secondary to congestive heart failure] Kuramoto M, et al. **Kokyu To Junkan** 1991 Jun;39(6):607–11 (11 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Progress in the assessment of liver blood flow in health and disease. Karran S. **J R Coll Surg Edinb** 1990 Aug; 35(4):207–17 (24 ref.)
Pathophysiology and clinical basis of prevention and treatment of complications of chronic liver disease. Wagner S, et al. **Klin Wochenschr** 1991 Feb 6;69(3):112–20 (89 ref.)
Hemodynamic support in patients with liver disease. Gelman S. **Transplant Proc** 1991 Jun;23(3):1899–901 (7 ref.)
[Liver and erythron] Sánchez–Fayos MP, et al. **Sangre (Barc)** 1991 Feb;36(1):29–36 (58 ref.) **(Spa)**

RADIOGRAPHY

[X–ray computed tomography of the liver with injection] Tyrrel RP, et al. **J Radiol** 1990 May;71(5):317–23 (43 ref.) **(Fre)**

SURGERY

Liver transplantation in children. Alagille D. **Acta Paediatr Jpn** 1990 Oct;32(5):485–91 (40 ref.)
Liver transplantation. Stock PG, et al. **Crit Care Clin** 1990 Oct;6(4):911–26 (45 ref.)
Intraoperative ultrasonographic imaging in liver surgery: a review. Ezaki T, et al. **HPB Surg** 1990;3(1):1–4 (29 ref.)
Mammalian hepatocytes as a foundation for treatment in human liver failure. Jauregui HO, et al. **J Cell Biochem** 1991 Apr;45(4):359–65 (39 ref.)
Liver transplantation in pediatrics: indications, contraindications, and pretransplant management. Whitington PF, et al. **J Pediatr** 1991 Feb;118(2):169–77 (43 ref.)
Fulminant hepatic failure: to transplant or not to transplant. de Knegt RJ, et al. **Neth J Med** 1991 Apr;38(3–4):131–41 (83 ref.)
Spontaneous rupture of liver during pregnancy: current therapy. Smith LG Jr, et al. **Obstet Gynecol** 1991 Feb; 77(2):171–5 (33 ref.)
Acute fulminant hepatic failure. Wiesner RH. **Transplant Proc** 1991 Jun;23(3):1892–4 (21 ref.)
[Auxiliary heterotopic liver transplantation] Terpstra OT. **Ned Tijdschr Geneeskd** 1991 Jul 6;135(27):1211–3 (14 ref.) **(Dut)**
[Recent advances in pediatric hepatology] Bernard O, et al. **Arch Fr Pediatr** 1991 Jan;48(1):53–6 (34 ref.) **(Fre)**
[Liver traumas] Vayre P. **J Chir (Paris)** 1990 Oct; 127(10):472–9 (55 ref.) (Eng. Abstr.) **(Fre)**
[Graft reduction in pediatric hepatic transplantation: value, technique and results] Boillot O. **Pediatrie** 1991;46(4):351–6 (18 ref.) (Eng. Abstr.) **(Fre)**
[Liver anatomy and its intraoperative application] Bismuth H, et al. **Chirurg** 1990 Oct;61(10):679–84 (12 ref.) **(Ger)**
[Atypical and segmental resections of the liver. Indications and results] Neuhaus P, et al. **Chirurg** 1990 Oct; 61(10):685–91 (17 ref.) **(Ger)**
[Technical advances in liver surgery] Belghiti J, et al. **G Chir** 1988 Sep;9(9):596–8 (5 ref.) (Eng. Abstr.) **(Ita)**

THERAPY

Percutaneous therapy for hepatic cysts. Case report and review of literature. Buckenham TM, et al. **Australas Radiol** 1990 May;34(2):159–61 (7 ref.)
Artificial liver. State of the art. Takahashi T, et al. **Dig Dis Sci** 1991 Sep;36(9):1327–40 (109 ref.)
Intensive liver care and management of acute hepatic failure. Williams R, et al. **Dig Dis Sci** 1991 Jun;36(6):820–6 (28 ref.)
Strategies for hepatic support in acute liver failure: role of extracorporeal devices versus liver transplantation. De Groot GH, et al. **J Gastroenterol Hepatol** 1989 May–Jun; 4(3):283–93 (86 ref.)
Branched–chain–enriched amino acid solutions in patients with liver failure: an early example of nutritional pharmacology. Fischer JE. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):249S–256S (39 ref.)
Guidelines for the scientific review of enteral food products for special medical purposes. Prepared for the Center for Food Safety and Applied Nutrition, Food and Drug Administration. Talbot JM. **JPEN J Parenter Enteral Nutr** 1991 May–Jun;15(3 Suppl):99S–174S, A1–E2 (346 ref.)
Nutritional support in liver failure. Latifi R, et al. **Surg Clin North Am** 1991 Jun;71(3):567–78 (48 ref.)
Management options in fulminant hepatic failure. Kramer DJ, et al. **Transplant Proc** 1991 Jun;23(3):1895–8 (44 ref.)
[Treatment of acute and chronic liver diseases] Hasik J. **Wiad Lek** 1990 Nov 1–15;43(21–22):1089–99 (11 ref.) **(Pol)**

ULTRASONOGRAPHY

[Complicated solitary biliary cysts] Benchimol D, et al. **J Chir (Paris)** 1991 May;128(5):221–5 (27 ref.) (Eng. Abstr.) **(Fre)**
[Focal liver lesions as incidental findings. 2: Diagnostic procedures in sonographically homogeneous echo–rich, echo–poor or inhomogeneous lesions] Strunk H, et al. **Fortschr Med** 1990 Sep 30;108(28):531–4 (0 ref.) (Eng. Abstr.) **(Ger)**
[Integrated Doppler ultrasonography of the abdomen in diagnostic imaging] De Gaetano AM, et al. **Radiol Med (Torino)** 1991 Jul–Aug;82(1–2):118–31 (73 ref.) **(Ita)**

VETERINARY

Relationships between hepatic neoplasms and related lesions and exposure to toxic chemicals in marine fish from the U.S. West Coast. Myers MS, et al. **Environ Health Perspect** 1991 Jan;90:7–15 (44 ref.)

LIVER DISEASES, ALCOHOLIC

Sex, sex hormones and chronic liver diseases. Becker U, et al. **Dig Dis** 1991;9(1):9–16 (52 ref.)
Pathology and pathogenesis of toxic (alcoholic) liver disease. Charels K, et al. **Hepatogastroenterology** 1991 Apr; 38(2):189–94 (61 ref.)
Nutrition and alcoholic liver disease. Marsano L, et al. **JPEN J Parenter Enteral Nutr** 1991 May–Jun;15(3):337–44 (80 ref.)

DRUG THERAPY

Recent advances in the pathogenesis and treatment of alcoholic liver disease. Majumdar SK. **Mater Med Pol** 1990 Apr–Jun;22(2):118–23 (29 ref.)

ETIOLOGY

[Biochemical aspects of alcoholism. IV. Alcohol–induced diseases of the liver] Szczepańska–Szewczyk M, et al. **Postepy Hig Med Dosw** 1989;43(5–6):541–73 (103 ref.) (Eng. Abstr.) **(Pol)**

MORTALITY

Factors in recent reductions in liver cirrhosis deaths. Smart RG, et al. **J Stud Alcohol** 1991 May;52(3):232–40 (65 ref.)

PATHOLOGY

Alcoholic liver disease: pathologic, pathogenetic and clinical aspects [published erratum appears in Alcohol Clin Exp Res 1991 Mar;15(2):180] Ishak KG, et al. **Alcohol Clin Exp Res** 1991 Feb;15(1):45–66 (270 ref.)
The spectrum of alcohol induced liver disease. Histological features. Christoffersen P, et al. **APMIS Suppl** 1991;23:40–5 (27 ref.)

PHYSIOPATHOLOGY

How can free radicals cause damage to hepatic cells. A multidisciplinary approach. Varga M. **Drug Alcohol Depend** 1991 Mar;27(2):117–9 (21 ref.)

THERAPY

The practical business of treatment—16. Can't treat, won't treat? Alcoholic liver disease. Bird G. **Br J Addict** 1991 Jun;86(6):695–700 (12 ref.)
Monitoring treatment of alcoholic liver disease: evaluation of various severity indices. Blake J, et al. **Clin Chem** 1991

Jan;37(1):5–13 (72 ref.)

LIVER DISEASES, PARASITIC

Amoebiasis and other parasitic diseases of the liver. Viranuvatti V. **J Gastroenterol Hepatol** 1989 Nov–Dec; 4(6):563–79 (44 ref.)

[Hepatic bilharziasis] Klotz F, et al. **Ann Med Interne (Paris)** 1991;142(2):131–9 (81 ref.) **(Fre)**

LIVER FIBROSIS see **LIVER CIRRHOSIS**

LIVER FUNCTION TESTS

The relative value of consultation, questionnaires and laboratory investigation in the identification of excessive alcohol consumption. Levine J. **Alcohol Alcohol** 1990; 25(5):539–53 (70 ref.)

Drugs and the liver. Part 1: Testing liver function. Sallie R, et al. **Biopharm Drug Dispos** 1991 May;12(4):251–9 (54 ref.)

The practical business of treatment—16. Can't treat, won't treat? Alcoholic liver disease. Bird G. **Br J Addict** 1991 Jun;86(6):695–700 (12 ref.)

Valproate toxicity: risk–screening strategies [editorial; comment] Willmore LJ, et al. **J Child Neurol** 1991 Jan; 6(1):3–6 (47 ref.) Comment on: J Child Neurol 1991 Jan;6(1):7–14.

Laboratory tests of liver function. Herlong HF. **Trans Assoc Life Insur Med Dir Am** 1991;74:152–8 (15 ref.)

[Age related changes in the liver. Consequences for drug therapy] Zeeh J, et al. **Fortschr Med** 1990 Nov 30; 108(34):651–3 (16 ref.) (Eng. Abstr.) **(Ger)**

[Primary sclerosing cholangitis] Lembcke B. **Z Gastroenterol Verh** 1991 Mar;26:88–92 (46 ref.) **(Ger)**

[Therapy of cholestatic liver diseases with ursodeoxycholic acid: a new treatment principle] Stiehl A. **Z Gastroenterol Verh** 1991 Mar;26:142–3 (19 ref.) **(Ger)**

METHODS

Quantifying hepatic function in the presence of liver disease with phenazone (antipyrine) and its metabolites. St Peter JV, et al. **Clin Pharmacokinet** 1991 Jan;20(1):50–65 (89 ref.)

Medical surveillance for workplace hepatotoxins. Harrison R. **Occup Med** 1990 Jul–Sep;5(3):515–30 (92 ref.)

[Rational clinico–chemical diagnosis of hepatobiliary diseases] Blum HE, et al. **Internist (Berl)** 1991 May; 32(5):239–43 (8 ref.) **(Ger)**

LIVER MICROSOMES see **MICROSOMES, LIVER**

LIVER MITOCHONDRIA see **MITOCHONDRIA, LIVER**

LIVER NEOPLASMS

Primary leiomyoma of the liver. Herzberg AJ, et al. **Am J Gastroenterol** 1990 Dec;85(12):1642–5 (12 ref.)

Giant fibrous mesothelioma of the liver [letter] Kasano Y, et al. **Am J Gastroenterol** 1991 Mar;86(3):379–80 (9 ref.)

Hyperreninemic hypoaldosteronism due to hepatocellular carcinoma metastatic to the adrenal gland. Otabe S, et al. **Clin Nephrol** 1991 Feb;35(2):66–71 (43 ref.)

Hepatocellular carcinoma, alcohol, and cirrhosis: facts and hypotheses. Naccarato R, et al. **Dig Dis Sci** 1991 Aug; 36(8):1137–42 (81 ref.)

Hepatic myelolipoma: new case and review of the literature. Moreno Gonzalez E, et al. **Hepatogastroenterology** 1991 Feb;38(1):60–3 (13 ref.)

Fibrolamellar carcinoma of the liver—a case report from Japan and a review of the literature. Kohno H, et al. **HPB Surg** 1988 Sep;1(1):77–80 (32 ref.)

Nonfunctioning paraganglioma of the liver, gallbladder and common bile duct. Ferrell KD, et al. **Indiana Med** 1990 Nov;83(11):822–4 (8 ref.)

Diffuse infiltrating T-cell lymphoma of the colon associated with polyclonal hypergammaglobulinemia and hepatocellular carcinoma: report of a case. Nagai T, et al. **Jpn J Med** 1991 Jan–Feb;30(1):57–63 (31 ref.)

Gastrointestinal lymphoma. Thomas CR Jr, et al. **Med Pediatr Oncol** 1991;19(1):48–60 (141 ref.)

[Primary malignant tumors of the liver] Belghiti J, et al. **G Chir** 1989 Nov;10(11):683–8 (18 ref.) (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Modulation of hepatocarcinogenesis. Roberfroid MB, et al. **Annu Rev Pharmacol Toxicol** 1991;31:163–75 (63 ref.)

Danazol-induced hepatocellular adenomas. A case report and review of the literature. Kahn H, et al. **Arch Pathol Lab Med** 1991 Oct;115(10):1054–7 (14 ref.)

The risk of liver neoplasia in relation to combined oral contraceptive use. Rosenberg L. **Contraception** 1991 Jun; 43(6):643–52 (17 ref.)

Pathobiology of chemical hepatocarcinogenesis: recent progress and perspectives. Part I. Cytomorphological changes and cell proliferation. Bannasch P. **J Gastroenterol Hepatol** 1990 Mar–Apr;5(2):149–59 (116 ref.)

Pathobiology of chemical hepatocarcinogenesis: recent progress and perspectives. Part II. Metabolic and molecular changes. Bannasch P. **J Gastroenterol Hepatol** 1990 May–Jun;5(3):310–20 (91 ref.)

Evidence for and possible mechanisms of non-genotoxic carcinogenesis in rodent liver. Grasso P, et al. **Mutat Res** 1991 Jun;248(2):271–90 (116 ref.)

Risk assessment for aflatoxin: II. Implications of human epidemiology data. Bruce RD. **Risk Anal** 1990 Dec; 10(4):561–9 (30 ref.)

[Liver tumors caused by androgenic steroids] Balázs M, et al. **Orv Hetil** 1990 Nov 11;131(45):2485–8 (45 ref.) (Eng. Abstr.) **(Hun)**

COMPLICATIONS

Pancreatic arteriovenous malformation treated by transcatheter embolization: report of a case with hepatocellular carcinoma. Kato T, et al. **Radiat Med** 1991 Jan–Feb;9(1):19–21 (14 ref.)

[Therapeutic problems caused by rupture of large hepatic adenoma with central location. Apropos of 3 cases] Leborgne J, et al. **Chirurgie** 1990;116(4–5):454–60 (32 ref.) (Eng. Abstr.) **(Fre)**

[Emergency diagnosis: hemoperitoneum caused by spontaneous rupture of hepatocarcinoma in a patient with liver cirrhosis] Ciuba T. **J Chir (Paris)** 1990 Nov; 127(11):539–41 (7 ref.) (Eng. Abstr.) **(Fre)**

[Primary hepatic lymphoma in a patient with autoimmune hemolytic anemia and SLE] Yoshimoto T, et al. **Rinsho Ketsueki** 1990 Nov;31(11):1878–83 (16 ref.) (Eng. Abstr.) **(Jpn)**

[A case of Hurst's encephalitis complicated by hepatoma] Saito T, et al. **Rinsho Shinkeigaku** 1990 Aug;30(8):888–90 (10 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Fine needle aspiration in the diagnosis of liver neoplasms: a review. Houn HY, et al. **Ann Clin Lab Sci** 1991 Jan–Feb; 21(1):2–11 (48 ref.)

Liver tumor imaging. Ferrucci JT. **Cancer** 1991 Feb 15;67(4 Suppl):1189–95 (25 ref.)

Cytology of head and neck tumors, liver, and pancreas. Suen KC. **Clin Lab Med** 1991 Jun;11(2):317–56 (104 ref.)

An approach to fine-needle aspiration biopsy diagnosis of hepatic masses. Bottles K, et al. **Diagn Cytopathol** 1991; 7(2):204–10 (36 ref.)

Review of hepatic imaging and a problem-oriented approach to liver masses. Bennett WF, et al. **Hepatology** 1990 Oct; 12(4 Pt 1):761–75 (61 ref.)

Markers for hepatocellular carcinoma. Wu AH, et al. **Immunol Ser** 1990;53:403–22 (90 ref.)

Clinical applications of magnetic resonance imaging of the liver. Thoeni RF. **Invest Radiol** 1991 Mar;26(3):266–73 (37 ref.)

Tumour markers of hepatocellular carcinoma. Kew MC. **J Gastroenterol Hepatol** 1989 Jul–Aug;4(4):373–84 (65 ref.)

Nuclear and alternative imaging in liver tumor investigation. Galli G, et al. **J Nucl Med Allied Sci** 1990 Oct–Dec; 34(4):265–78 (61 ref.)

Magnetic resonance imaging in the study of hepatocellular carcinoma. Bartolozzi C, et al. **Rays** 1990 Jul–Sep; 15(3):353–63 (18 ref.) **(Eng, Ita)**

Nuclear medicine and hepatocellular carcinoma. Galli G, et al. **Rays** 1990 Jul–Sep;15(3):365–79 (64 ref.) **(Eng, Ita)**

Imaging primary and metastatic cancer of the liver. Halvorsen RA Jr, et al. **Semin Oncol** 1991 Apr;18(2):111–22 (33 ref.)

Identification and localisation of resectable tumours in the liver. Okuda K. **Trop Gastroenterol** 1990 Jul–Sep; 11(3):119–29 (32 ref.)

[MRI of the liver] Doenz F, et al. **Rev Med Suisse Romande** 1991 Apr;111(4):357–61 (28 ref.) **(Fre)**

[Focal liver lesion as an incidental finding. 1: Diagnostic management—procedure in sonographically echo-free tumors] Strunk H, et al. **Fortschr Med** 1990 Sep 10; 108(26):495–7 (0 ref.) (Eng. Abstr.) **(Ger)**

[Liver hemangioma. I. Diagnosis, spontaneous course, complications] Riesener KP, et al. **Leber Magen Darm** 1990 Sep;20(5):218–23 (0 ref.) (Eng. Abstr.) **(Ger)**

[Primary hepatic leiomyosarcoma: the investigation of domestic and foreign 34 cases] Ishii H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 May;88(5):1256–63 (38 ref.) **(Jpn)**

[A case of minute cholangiocellular carcinoma which was found in the follow-up periods of liver cirrhosis and was indistinguishable from hepatocellular carcinoma on hepatic angiography] Nagaoka T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jun;88(6):1369–74 (14 ref.) **(Jpn)**

[Diagnosis of hepatocellular carcinoma performed by searching for serologic tumor markers] de Oliveira e Silva A, et al. **Arq Gastroenterol** 1990 Apr–Jun;27(2):83–94 (123 ref.) (Eng. Abstr.) **(Por)**

[Diagnosis and surgical treatment of hepatic hemangioma (review of the literature)] Abdullaev AG. **Khirurgiia (Mosk)** 1990 Jun;(6):135–40 (87 ref.) **(Rus)**

[Magnetic resonance tomography in focal diseases of the liver (review)] Kholin AV. **Vestn Rentgenol Radiol** 1990 Mar–Apr;(2):59–63 (52 ref.) (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Regional chemotherapy for colorectal hepatic metastases using degradable starch microspheres. A review. Ball AB. **Acta Oncol** 1991;30(3):309–13 (72 ref.)

Continuous hepatic artery infusion (CHAI) as treatment of liver metastases. Are the complications worth it? Kemeny MM. **Drug Saf** 1991 May–Jun;6(3):159–65 (12 ref.)

Hormonal manipulation of human hepatocellular carcinoma. A clinical investigative and therapeutic opportunity. Carr BI, et al. **J Hepatol** 1990 Nov;11(3):287–9 (30 ref.)

Growth factors, endocrine aspects and hormonal treatment in hepatocellular carcinoma—an overview. d'Arville CN, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20; 37(6):1007–12 (58 ref.)

[Ultrasound-guided percutaneous ethanol injection of small malignant tumors of the liver. Results in 20 patients] Seitz JF, et al. **Ann Radiol (Paris)** 1990;33(2):99–103 (16 ref.) (Eng. Abstr.) **(Fre)**

[Malignant melanoma: hepatic intra-arterial chemotherapy] Khayat D, et al. **Pathol Biol (Paris)** 1990 Oct;38(8):872–5 (25 ref.) **(Fre)**

[Studies on postoperative arterial infusion chemotherapy using implanted reservoir for hepatocellular carcinoma] Nagabuchi E, et al. **Gan To Kagaku Ryoho** 1991 Aug; 18(11):1837–41 (8 ref.) (Eng. Abstr.) **(Jpn)**

EPIDEMIOLOGY

Hepatocellular carcinoma. A worldwide problem and the major risk factors. Simonetti RG, et al. **Dig Dis Sci** 1991 Jul;36(7):962–72 (126 ref.)

Geographic heterogeneity of hepatocellular carcinoma. Okuda K. **Gastroenterol Jpn** 1990 Dec;25(6):787–92 (56 ref.)

Epidemiologic data on exogenous hormones and hepatocellular carcinoma and selected other cancers. Prentice RL. **Prev Med** 1991 Jan;20(1):38–46 (14 ref.)

ETIOLOGY

Hepatitis B virus related hepatocellular carcinoma: chronicity of infection—the opening to different pathways of malignant transformation? Schröder CH, et al. **Biochim Biophys Acta** 1990 Dec 11;1032(2–3):137–56 (174 ref.)

Cellular and molecular mechanisms of hepatocarcinogenesis associated with hepadnavirus infection. Rogler CE. **Curr Top Microbiol Immunol** 1991;168:103–40 (143 ref.)

Nutritional model of hepatocarcinogenesis. Rats fed choline-devoid diet. Lombardi B, et al. **Dig Dis Sci** 1991 Jul;36(7):979–84 (39 ref.)

Hepadnaviruses, their infections and hepatocellular carcinoma. Bukhari SS, et al. **JPMA** 1990 Dec;40(12):300–6 (44 ref.)

Hepatitis B virus as an insertional mutagene in a human hepatocellular carcinoma. Dejean A, et al. **Mol Biol Med** 1990 Jun;7(3):213–22 (35 ref.)

Integration of hepatitis B virus DNA and its implications for hepatocarcinogenesis. Matsubara K, et al. **Mol Biol Med** 1990 Jun;7(3):243–60 (106 ref.)

Metabolic activation of food hepatocarcinogens in hepatitis B virus–infected humans and animals. De Flora S, et al. **Prog Clin Biol Res** 1990;347:167–82 (35 ref.)

Epidemiology of hepatitis B virus (HBV) infections with particular regard to current routes of transmission and development of cirrhosis and malignancy. Norkrans G. **Scand J Infect Dis Suppl** 1990;69:43–7 (22 ref.)

[Hepatitis B and primary cancer of the liver: recent data on the role of B virus in oncogenesis] Buendia MA. **Pathol Biol (Paris)** 1991 Feb;39(2):157–60 (40 ref.) (Eng. Abstr.) **(Fre)**

[The association of hepatitis-B-virus infection and hepatocellular carcinoma] Reimer K, et al. **Z Arztl Fortbild (Jena)** 1991 Mar 25;85(6):246–51 (44 ref.) **(Ger)**

[Breakthrough in human hepatocellular carcinogenesis—from hepatitis B virus to hepatitis C virus] Nishioka K. **Gan To Kagaku Ryoho** 1991 Mar;18(3):327–36 (37 ref.) (Eng. Abstr.) **(Jpn)**

[Pathogenesis of human cancer] Kitagawa T. **Hum Cell** 1991 Mar;4(1):1–12 (8 ref.) (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

The detection of hepatitis B virus (HBV) in HBsAG negative individuals with primary liver cancer. Paterlini P, et al. **Dig Dis Sci** 1991 Aug;36(8):1122–9 (39 ref.)

MORTALITY

[Hepatitis B and risk in insurance medicine] Grenz D. **Versicherungsmedizin** 1990 Dec 1;42(6):165–70 (20 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Primary squamous carcinoma of the liver: clinical and histopathological features. Roediger WE, et al. **Aust N Z J Surg** 1991 Sep;61(9):720–2 (10 ref.)

Cell biology of hepatocarcinogenesis. Saeter G, et al. **Crit Rev Oncog** 1990;1(4):437–66 (430 ref.)

Cirrhosis of the liver. A regenerative process. Callea F, et al. **Dig Dis Sci** 1991 Sep;36(9):1287–93 (27 ref.)

Hepatocyte proliferation in stepwise development of experimental liver cell cancer. Farber E. **Dig Dis Sci** 1991 Jul;36(7):973–8 (34 ref.)

Hepatocellular carcinoma with central nervous system metastasis: a case report and literature review. Friedman HD. **Med Pediatr Oncol** 1991;19(2):139–44 (23 ref.)

Distinctive case. Adult mesenchymal hamartoma of the liver: report of a case with light microscopic, FNA cytology, immunohistochemistry, and ultrastructural studies and review of the literature. Drachenberg CB, et al. **Mod Pathol** 1991 May;4(3):392–5 (22 ref.)

[A case of primary hepatic lymphoma] Kubo Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Feb;88(2):190–5 (16 ref.) **(Jpn)**

[A case of a metastatic hepatocellular carcinoma to the stomach—review of Japanese literature] Kumai T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Mar;88(3):749–53 (16 ref.) **(Jpn)**

[Primary apudomas of the liver] Grigor'ev BA. **Arkh Patol** 1990;52(10):40–5 (20 ref.) (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Workshop on screening for hepatocellular carcinoma. McMahon BJ, et al. **J Natl Cancer Inst** 1991 Jul 3; 83(13):916–9 (33 ref.)

[Is detection of primary hepatocellular carcinoma in cirrhosis useful?] Dumas O, et al. **Gastroenterol Clin Biol** 1990; 14(10):715–26 (138 ref.) **(Fre)**

[Primary liver cancer in the expectation of prophylactic solutions] Zavate O, et al. **Rev Med Chir Soc Med Nat Iasi** 1990 Jan–Mar;94(1):117–21 (14 ref.) **(Rum)**

RADIOGRAPHY

Interventional angiography for primary and secondary hepatic malignancies: a review. Takayasu K. **Jpn J Clin Oncol** 1990 Sep;20(3):225–31 (64 ref.)

Computed tomography and angiogram of primary hepatic rhabdomyosarcoma: report of two adult cases. Hayakawa K, et al. **Radiat Med** 1990 Mar–Apr;8(2):35–9 (13 ref.)

Computed tomography of hepatocellular carcinoma. Brizi MG, et al. **Rays** 1990 Jul–Sep;15(3):337–51 (29 ref.) **(Eng, Ita)**

Diagnostic and interventional angiography of hepatocellular carcinoma. Falappa PG, et al. **Rays** 1990 Jul–Sep; 15(3):381–98 (33 ref.) **(Eng, Ita)**

[Hepatic angiosarcoma. CT and MRI aspects. A case report and review of the literature] Fajadet P, et al. **Ann Radiol (Paris)** 1990;33(4–5):260–3 (19 ref.) (Eng. Abstr.) **(Fre)**

[Diagnostic imaging and nosologic profile of liver adenoma and focal nodular hyperplasia] Giordano G, et al. **G Chir** 1988 Nov;9(11):783–7 (22 ref.) (Eng. Abstr.) **(Ita)**

RADIOTHERAPY

Role of radiotherapy in the treatment of hepatocellular carcinoma. Ausili Cefaro GP, et al. **Rays** 1990 Jul–Sep; 15(3):423–31 (23 ref.) **(Eng, Ita)**

SECONDARY

Combined hepatic and vena caval resection with autogenous caval graft replacement. Miller CM, et al. **Arch Surg** 1991 Jan;126(1):106–8 (8 ref.)

Arterial embolization in the management of liver metastases. Allison DJ, et al. **Cardiovasc Intervent Radiol** 1990 Jun–Jul; 13(3):161–8 (24 ref.)

Hepatic artery infusion and chemoembolization in the management of liver metastases. Wallace S, et al. **Cardiovasc Intervent Radiol** 1990 Jun–Jul;13(3):153–60 (56 ref.)

The role of CEA and liver function tests in the detection of hepatic metastases from colo-rectal cancer. Bonfanti G, et al. **HPB Surg** 1990;3(1):29–36; discussion 36–7 (22 ref.)

Liver transplant for metastatic neuroendocrine tumor. Alsina AE, et al. **J Clin Gastroenterol** 1990 Oct;12(5):533–7 (19 ref.)

Hepatic resection: when, what kind, and for which patients. Kemeny MM. **J Surg Oncol Suppl** 1991;2:54–8 (17 ref.)

Current questions related to an optimal treatment of colorectal liver metastases. Schlag P. **J Surg Oncol Suppl** 1991;2:104–7 (20 ref.)

Detection of occult hepatic metastases using the hepatic perfusion index. Is the hepatic perfusion index clinically useful? Goldberg JA, et al. **Nucl Med Commun** 1991 Feb; 12(2):158–62 (26 ref.)

Detection of occult hepatic metastases using the hepatic perfusion index. Robinson PJ, et al. **Nucl Med Commun** 1991 Feb;12(2):153–8 (29 ref.)

Management of non-resectable liver metastases from colorectal cancer. Levitan N, et al. **Oncology (Williston Park)** 1990 Nov;4(11):77–84; discussion 84, 89, 92 (56 ref.)

Imaging primary and metastatic cancer of the liver. Halvorsen RA Jr, et al. **Semin Oncol** 1991 Apr;18(2):111–22 (33 ref.)

[Metastatic tumors of the liver] Astrukov E, et al. **Khirurgiia (Sofiia)** 1990;43(5):82–9 (38 ref.) **(Bul)**

[Treatment of hepatic metastases by surgical excision] Kestens PJ, et al. **Ann Chir** 1991;45(4):329–32 (21 ref.) (Eng. Abstr.) **(Fre)**

[Experimental models for hepatic metastases from colorectal tumors] Panis Y, et al. **Ann Chir** 1991;45(3):222–8 (97 ref.) (Eng. Abstr.) **(Fre)**

[Prevention of hepatic metastases in radically operated colonic cancers] Rea S, et al. **Ann Chir** 1991;45(4):306–12 (63 ref.) (Eng. Abstr.) **(Fre)**

[Peri-colostomy hemorrhage due to portal hypertension secondary to hepatic metastasis of a rectal adenocarcinoma. Apropos of a case report. Literature review] Elcheroth J, et al. **Rev Med Brux** 1990 Sep;11(7):261–4 (19 ref.) (Eng. Abstr.) **(Fre)**

[Possibilities of immunotherapy of colorectal cancers and pancreatic tumors] Klapdor R. **Z Gastroenterol Verh** 1991 Mar;26:220–7 (127 ref.) **(Ger)**

[Liver metastasis of colorectal carcinoma: natural history and surgical treatment] Russo F, et al. **G Chir** 1988 Feb; 9(2):135–8 (37 ref.) (Eng. Abstr.) **(Ita)**

[Multiple liver metastases of a suprasellar germ cell tumor treated with combined chemotherapy of cisplatin and etoposide] Adachi J, et al. **No Shinkei Geka** 1991 Jul; 19(7):671–5 (16 ref.) (Eng. Abstr.) **(Jpn)**

[Cancer of the gallbladder] Milonov OB, et al. **Khirurgiia (Mosk)** 1990 Jul;(7):148–51 (53 ref.) **(Rus)**

[Comparison of different methods of imaging in determining the resectability of liver metastases in colon cancer] Tsyb AF, et al. **Med Radiol (Mosk)** 1991;36(7):53–5 (64 ref.) **(Rus)**

SURGERY

Is liver transplantation justified for the treatment of hepatic malignancies? Olthoff KM, et al. **Arch Surg** 1990 Oct; 125(10):1261–6; discussion 1266–8 (22 ref.)

Intraoperative ultrasonographic imaging in liver surgery: a review. Ezaki T, et al. **HPB Surg** 1990;3(1):1–4 (29 ref.)

Surgery of liver tumours. Terblanche J. **HPB Surg** 1989 Oct; 1(3):173–84 (61 ref.)

Patient selection and factors affecting results following resection for hepatic metastases from colorectal carcinoma. Fegiz G, et al. **Int Surg** 1991 Jan–Mar;76(1):58–63 (27 ref.)

Liver transplant for metastatic neuroendocrine tumor. Alsina AE, et al. **J Clin Gastroenterol** 1990 Oct;12(5):533–7 (19 ref.)

Hepatic function and liver resection. Ozawa K. **J Gastroenterol Hepatol** 1990 May–Jun;5(3):296–309 (55 ref.)

Surgical treatment of hepatocellular carcinoma. Crucitti F, et al. **Rays** 1990 Jul–Sep;15(3):411–21 (21 ref.) **(Eng, Ita)**

The role of surgical resection of liver metastases in colorectal carcinoma. Cady B, et al. **Semin Oncol** 1991 Aug; 18(4):399–406 (22 ref.)

[Cancer of the hilus of the liver apropos of 8 cases] Ben Slimane T, et al. **Tunis Med** 1990 Nov;68(11):659–62 (15 ref.) (Eng. Abstr.) **(Fre)**

[Atypical and segmental resections of the liver. Indications and results] Neuhaus P, et al. **Chirurg** 1990 Oct; 61(10):685–91 (17 ref.) **(Ger)**

[Resection of liver metastases of colorectal carcinoma: claims and reality] Müller JM, et al. **Dtsch Med Wochenschr** 1991 May 3;116(18):681–8 (51 ref.) (Eng. Abstr.) **(Ger)**

[Surgery of benign and malignant primary liver tumors] Lerut J, et al. **Schweiz Rundsch Med Prax** 1990 Nov 13; 79(46):1422–9 (32 ref.) (Eng. Abstr.) **(Ger)**

[Hilar cholangiocarcinoma] Aloj G, et al. **G Chir** 1990 Jan–Feb;11(1–2):5–14 (96 ref.) **(Ita)**

[Liver metastasis of colorectal carcinoma: natural history and surgical treatment] Russo F, et al. **G Chir** 1988 Feb; 9(2):135–8 (37 ref.) (Eng. Abstr.) **(Ita)**

THERAPY

Hyperthermia and the liver. Hugander A. **Adv Exp Med Biol** 1990;267:155–9 (13 ref.)

Interstitial laser hyperthermia in tumour therapy. Masters A, et al. **Ann Chir Gynaecol** 1990;79(4):244–51 (34 ref.)

The management of liver metastases. Franco D. **Br J Hosp Med** 1991 May;45(5):284–5, 288–90 (21 ref.)

Role of interstitial therapy in the treatment of liver cancer. Masters A, et al. **Br J Surg** 1991 May;78(5):518–23 (52 ref.)

Arterial embolization in the management of liver metastases. Allison DJ, et al. **Cardiovasc Intervent Radiol** 1990 Jun–Jul; 13(3):161–8 (24 ref.)

Hepatic artery infusion and chemoembolization in the management of liver metastases. Wallace S, et al. **Cardiovasc Intervent Radiol** 1990 Jun–Jul;13(3):153–60 (56 ref.)

Recent progress in the treatment of hepatocellular carcinoma. Roh MS. **Curr Opin Oncol** 1990 Aug;2(4):725–30 (19 ref.)

Ischemic treatment of liver tumours. Bengmark S, et al. **G Chir** 1988 Oct;9(10):651–61 (44 ref.)

Ischaemic and metabolic treatment of hepatic tumours. Ahrén B, et al. **HPB Surg** 1988 Sep;1(1):3–14 (67 ref.)

Interventional angiography for primary and secondary hepatic malignancies: a review. Takayasu K. **Jpn J Clin Oncol** 1990 Sep;20(3):225–31 (64 ref.)

Management of non-resectable liver metastases from colorectal cancer. Levitan N, et al. **Oncology (Williston Park)** 1990 Nov;4(11):77–84; discussion 84, 89, 92 (56 ref.)

Therapeutic approach to primary malignant epithelial tumors of the liver in childhood: results of the Italian retrospective study and literature survey. Perilongo G, et al. **Pediatr Hematol Oncol** 1987;4(3):179–88 (38 ref.)

Interstitial laser hyperthermia for the treatment of hepatic and pancreatic tumours. Steger AC. **Photochem Photobiol** 1991 Jun;53(6):837–44 (82 ref.)

Implications of current therapeutic approaches in colorectal cancer for other gastrointestinal malignancies. Lembersky BC. **Semin Oncol** 1991 Feb;18(1 Suppl 1):39–46 (49 ref.)

[Techniques, results and risks of chemoembolization of malignant liver tumors] Gross-Fengels W, et al. **Aktuelle Radiol** 1991 May;1(3):97–104 (58 ref.) (Eng. Abstr.) **(Ger)**

[Liver hemangioma. II. Surgical indications, choice of procedure, results] Riesener KP, et al. **Leber Magen Darm** 1990 Dec;20(6):264–9 (62 ref.) (Eng. Abstr.) **(Ger)**

[Therapeutic protocols in the treatment of liver metastases] Boese-Landgraf J, et al. **Zentralbl Chir** 1991;116(7):439–46 (29 ref.) (Eng. Abstr.) **(Ger)**

ULTRASONOGRAPHY

Ultrasonographic diagnosis of a fetal abdominal mass: a case of a mesenchymal liver hamartoma and a review of the literature. Hirata GI, et al. **Prenat Diagn** 1990 Aug; 10(8):507–12 (21 ref.)

Diagnosis of hepatocellular carcinoma by ultrasound. Maresca G, et al. **Rays** 1990 Jul–Sep;15(3):325–35 (27 ref.) **(Eng, Ita)**

[Diagnosis of a hepatic hyper-echogenic image in 1990] Bili H, et al. **Ann Gastroenterol Hepatol (Paris)** 1990 Oct; 26(5):203–8 (64 ref.) **(Fre)**

[Focal liver lesions as incidental findings. 2: Diagnostic procedures in sonographically homogeneous echo-rich, echo-poor or inhomogeneous lesions] Strunk H, et al. **Fortschr Med** 1990 Sep 30;108(28):531–4 (0 ref.) (Eng. Abstr.) **(Ger)**

[Peroperative ultrasonography in surgery of liver metastases in colorectal cancer. A obligatory examination] Wiig JN. **Tidsskr Nor Laegeforen** 1990 Nov 20;110(28):3645–6 (19 ref.) (Eng. Abstr.) **(Nor)**

VETERINARY

Relationships between hepatic neoplasms and related lesions and exposure to toxic chemicals in marine fish from the U.S. West Coast. Myers MS, et al. **Environ Health Perspect** 1991 Jan;90:7–15 (44 ref.)

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the liver. Bannasch P, et al. **IARC Sci Publ** 1990;(99):199–240 (139 ref.)

LIVER NEOPLASMS, EXPERIMENTAL

CHEMICALLY INDUCED

Modulation of hepatocarcinogenesis. Roberfroid MB, et al. **Annu Rev Pharmacol Toxicol** 1991;31:163–75 (63 ref.)

Role of metabolic activation in the carcinogenicity of estrogens: studies in an animal liver tumor model. Metzler M, et al. **Environ Health Perspect** 1990 Aug;88:117–21 (16 ref.)

Pathobiology of chemical hepatocarcinogenesis: recent progress and perspectives. Part I. Cytomorphological changes and cell proliferation. Bannasch P. **J Gastroenterol Hepatol** 1990 Mar–Apr;5(2):149–59 (116 ref.)

Pathobiology of chemical hepatocarcinogenesis: recent progress and perspectives. Part II. Metabolic and molecular changes. Bannasch P. **J Gastroenterol Hepatol** 1990 May–Jun;5(3):310–20 (91 ref.)

Modification of liver tumor development in rodents. Diwan BA, et al. **Prog Exp Tumor Res** 1991;33:76–107 (154 ref.)

ENZYMOLOGY

Regulation of glutathione transferase P gene during hepatocarcinogenesis of the rat. Muramatsu M, et al. **Adv Enzyme Regul** 1991;31:319–25 (17 ref.)

ETIOLOGY

Nutritional model of hepatocarcinogenesis. Rats fed choline-devoid diet. Lombardi B, et al. **Dig Dis Sci** 1991 Jul;36(7):979–84 (39 ref.)

GENETICS

Oncogene activation and hepatocarcinogenesis. Strom SC, et al. **Pathobiology** 1990;58(3):153–67 (82 ref.)

METABOLISM

Regulation of the erythropoietin gene in Hep 3B cells. Goldberg MA, et al. **Semin Hematol** 1991 Jul;28(3 Suppl 3):35–40; discussion 40–1 (12 ref.)

PATHOLOGY

Cell biology of hepatocarcinogenesis. Saeter G, et al. **Crit Rev Oncog** 1990;1(4):437–66 (430 ref.)

Hepatocyte proliferation in stepwise development of experimental liver cell cancer. Farber E. **Dig Dis Sci** 1991 Jul;36(7):973–8 (34 ref.)

Growth-related alterations during liver carcinogenesis: effect of promoters. Seglen PO, et al. **Environ Health Perspect** 1990 Aug;88:197–205 (54 ref.)

LIVER REGENERATION

Cellular and molecular biology of hepatocyte growth, regeneration and gene expression. Leffert HL, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:352–8 (22 ref.)

Role of hepatocellular regeneration and hepatolobular healing in the final outcome of liver injury. A two-stage model of toxicity. Mehendale HM. **Biochem Pharmacol** 1991 Aug 22;42(6):1155–62 (69 ref.)

Cirrhosis of the liver. A regenerative process. Callea F, et al. **Dig Dis Sci** 1991 Sep;36(9):1287–93 (27 ref.)

Hepatic regeneration. Effects of age, sex hormone status, prolactin, and cyclosporine. Van Thiel DH, et al. **Dig Dis Sci** 1991 Sep;36(9):1309–12 (37 ref.)

PHYSIOLOGY

Protooncogenes and growth factors associated with normal and abnormal liver growth. Fausto N. **Dig Dis Sci** 1991 May;36(5):653–8 (35 ref.)

Hepatic stimulator substance. Discovery, characteristics and mechanism of action. LaBrecque DR. **Dig Dis Sci** 1991 May;36(5):669–73 (39 ref.)

Structural and functional aspects of regeneration of human liver. Schaffner F. **Dig Dis Sci** 1991 Sep;36(9):1282–6 (43 ref.)

LIVER TRANSPLANTATION

Liver transplantation in children. Alagille D. **Acta Paediatr Jpn** 1990 Oct;32(5):485–91 (40 ref.)

Advances in pediatric liver transplantation. Whitington PF. **Adv Pediatr** 1990;37:357–89 (197 ref.)

Biotechnological and medical applications based on immobilization of hepatocytes, microorganisms, or enzyme systems by microencapsulation in artificial cells. Chang TM. **Ann N Y Acad Sci** 1990;613:109–15 (23 ref.)

Generalized eruption in a liver transplant patient. CMV. Elenitsas R, et al. **Arch Dermatol** 1990 Nov;126(11):1498, 1501 (17 ref.)

Is liver transplantation justified for the treatment of hepatic malignancies? Olthoff KM, et al. **Arch Surg** 1990 Oct; 125(10):1261–6; discussion 1266–8 (22 ref.)

Metabolic effects of portacaval shunt surgery and liver transplantation in familial hypercholesterolemia. Bilheimer DW. **Beitr Infusionther** 1988;23:61–73 (48 ref.)

Growth in adulthood after liver transplantation for glycogen storage disease type I. Kirschner BS, et al. **Gastroenterology** 1991 Jul;101(1):238–41 (21 ref.)

Infections following orthotopic liver transplantation. Arnow PM. **HPB Surg** 1991 Apr;3(4):221–32; discussion 232–3 (51 ref.)

Pediatric liver transplantation. Seu P, et al. **HPB Surg** 1991; 3(3):145–66 (98 ref.)

Ketoconazole-induced fulminant hepatitis necessitating liver transplantation. Knight TE, et al. **J Am Acad Dermatol** 1991 Aug;25(2 Pt 2):398–400 (23 ref.)

Role of the dietitian in the nutrition management of adults after liver transplantation. Hasse J. **J Am Diet Assoc** 1991 Apr;91(4):473–6 (33 ref.)

Tissue engineering by cell transplantation using degradable polymer substrates. Cima LG, et al. **J Biomech Eng** 1991 May;113(2):143–51 (79 ref.)

Mammalian hepatocytes as a foundation for treatment in human liver failure. Jauregui HO, et al. **J Cell Biochem** 1991 Apr;45(4):359–65 (39 ref.)

Liver transplant for metastatic neuroendocrine tumor. Alsina AE, et al. **J Clin Gastroenterol** 1990 Oct;12(5):533–7 (19 ref.)

Strategies for hepatic support in acute liver failure: role of extracorporeal devices versus liver transplantation. De Groot GH, et al. **J Gastroenterol Hepatol** 1989 May–Jun; 4(3):283–93 (86 ref.)

Orthotopic liver transplantation: management of early postoperative complications [see comments] Forbes GM, et al. **J Gastroenterol Hepatol** 1989 Sep–Oct;4(5):449–56 (41 ref.) Comment in: J Gastroenterol Hepatol 1989 Sep–Oct;4(5):479–81.

Continuing management of liver transplant patients after discharge [see comments] Lynch SV. **J Gastroenterol Hepatol** 1989 Sep–Oct;4(5):457–65 (41 ref.) Comment in: J Gastroenterol Hepatol 1991 Sep–Oct;4(5):479–81.

Liver transplantation: results, advances and problems. Williams R, et al. **J Gastroenterol Hepatol** 1990;5 Suppl 1:110–26 (92 ref.)

Liver transplantation in pediatrics: indications, contraindications, and pretransplant management. Whitington PF, et al. **J Pediatr** 1991 Feb;118(2):169–77 (43 ref.)

Fulminant hepatic failure: to transplant or not to transplant. de Knegt RJ, et al. **Neth J Med** 1991 Apr;38(3–4):131–41 (83 ref.)

Cytomegalovirus infection after liver transplantation: clinical manifestations and strategies for prevention. Dummer JS. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S767–75 (63 ref.)

Fine-needle aspiration biopsy in the monitoring of liver allografts. Lautenschlager I, et al. **Transpl Int** 1991 Apr; 4(1):54–61 (41 ref.)

Update on liver transplantation. Cosimi AB. **Transplant Proc** 1991 Aug;23(4):2083–90 (21 ref.)

Reperfusion injury of the liver. Pretto EA Jr. **Transplant Proc** 1991 Jun;23(3):1912–4 (31 ref.)

[Hepatic transplantation in cirrhosis] Balladur P, et al. **Acta Gastroenterol Belg** 1990 Mar–Apr;53(2):267–75 (25 ref.) (Eng. Abstr.) **(Fre)**

[Therapy of chronic hepatitis] Blum HE. **Dtsch Med Wochenschr** 1990 Sep 21;115(38):1438–41 (16 ref.) **(Ger)**

[Surgical aspects of hepatic transplantation and retransplantation in the child] Vázquez J. **An Esp Pediatr** 1989 Sep;31 Suppl 39:81–5 (13 ref.) **(Spa)**

[Infective complications after liver transplant] Paya CV, et al. **Enferm Infecc Microbiol Clin** 1989 May;7(5):270–6 (24 ref.) **(Spa)**

[Infectious complications in the orthoptic liver transplant] Repáraz Padrós J. **Rev Med Univ Navarra** 1990 Jan–Mar; 34(1):41, 43–7, 49–50 (58 ref.) (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Clinicopathological approach to human liver allograft dysfunction [see comments] McCaughan GW, et al. **J Gastroenterol Hepatol** 1989 Sep–Oct;4(5):467–77 (52 ref.) Comment in: J Gastroenterol Hepatol 1989 Sep–Oct;4(5):479–81.

[A picture of epidermal necrolysis after hepatic allograft. Etiologic aspects] Merle C, et al. **Ann Dermatol Venereol** 1990;117(9):635–9 (25 ref.) **(Fre)**

IMMUNOLOGY

Presence of host-reactive and MHC-restricted T cells in a transplanted severe combined immunodeficient (SCID) patient suggest positive selection and absence of clonal deletion. Spits H, et al. **Immunol Rev** 1990 Aug;116:101–16 (67 ref.)

Tolerogenic and immunosuppressive properties of liver grafts in animals and man. Davies HF, et al. **Transplant Proc** 1991 Aug;23(4):2248–9 (8 ref.)

Notes on FK 506. Starzl TE, et al. **Transplant Proc** 1991 Aug;23(4):2178–9 (10 ref.)

[Results of clinical and experimental use of cyclosporin A (review of foreign literature)] Vorob'ev AA, et al. **Khirurgiia (Mosk)** 1990 Jun;(6):140–3 (67 ref.) **(Rus)**

METHODS

New developments in stem cell transplantation with special reference to the first in utero transplants in humans. Touraine JL, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:92–7 (9 ref.)

Liver transplantation. Stock PG, et al. **Crit Care Clin** 1990 Oct;6(4):911–26 (45 ref.)

Liver transplantation: the end of a decade of expansion and innovation. Jamieson NV. **Curr Opin Immunol** 1989–90; 2(6):847–53 (31 ref.)

Hepatocyte transplantation. A potential treatment for liver disease. Demetriou AA, et al. **Dig Dis Sci** 1991 Sep; 36(9):1320–6 (11 ref.)

Acute fulminant hepatic failure. Wiesner RH. **Transplant Proc** 1991 Jun;23(3):1892–4 (21 ref.)

[Auxiliary heterotopic liver transplantation] Terpstra OT. **Ned Tijdschr Geneeskd** 1991 Jul 6;135(27):1211–3 (14 ref.) **(Dut)**

[Graft reduction in pediatric hepatic transplantation: value, technique and results] Boillot O. **Pediatrie** 1991;46(4):351–6 (18 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Histological findings in liver allograft rejection—new insights into the pathogenesis of hepatocellular damage in liver allografts [comment] Hubscher SG. **Histopathology** 1991 Apr;18(4):377–83 (58 ref.) Comment on: Histopathology 1991 Apr;18(4):323–30. Comment on: Histopathology 1991 Apr;18(4):331–8.

Diagnostic tools in liver allograft rejection. Paintaud G, et al. **J Hepatol** 1991 Mar;12(2):256–60 (34 ref.)

PHYSIOLOGY

Review article: improved preservation of the liver for transplantation. Jamieson NV. **Aliment Pharmacol Ther** 1991 Apr;5(2):91–104 (44 ref.)

Hepatic regeneration. Effects of age, sex hormone status, prolactin, and cyclosporine. Van Thiel DH, et al. **Dig Dis Sci** 1991 Sep;36(9):1309–12 (37 ref.)

STATISTICS & NUMERICAL DATA

Changing perspectives on liver transplantation in 1988. Gordon RD, et al. **Clin Transpl** 1988;:5–27 (135 ref.)

TRENDS

Evolution and future perspectives for reduced-size hepatic transplantation. Broelsch CE, et al. **Surg Gynecol Obstet** 1990 Oct;171(4):353–60 (77 ref.)

[Liver transplantation. New perspectives in pediatric liver transplantation] Cienfuegos Suarez JA, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 39:93–8 (40 ref.) (Eng. Abstr.) **(Spa)**

LIVING WILLS

see related
RIGHT TO DIE

LIVOR MORTIS see **POSTMORTEM CHANGES**

LIZARDS

PARASITOLOGY

Virulence of lizard malaria: the evolutionary ecology of an ancient parasite-host association. Schall JJ. **Parasitology** 1990;100 Suppl:S35–52 (69 ref.)

LOBOTOMY see **PSYCHOSURGERY**

LOBSTEIN'S DISEASE see **OSTEOGENESIS IMPERFECTA**

LOBSTERS

PHYSIOLOGY

Uncultured lobster muscle, cultured neurons and brain slices: the neurophysiology of zinc. Smart TG. **J Pharm Pharmacol** 1990 Jun;42(6):377–87 (68 ref.)

Visual processing in the rock lobster (crustacea). York B, et al. **Prog Neurobiol** 1975;5(2):127–66 (62 ref.)

LOCAL AREA NETWORKS

Local area networks for radiology. Dwyer SJ 3d, et al. **J Digit Imaging** 1988 Nov;1(1):28–38 (34 ref.)

LOCKED-IN SYNDROME see **QUADRIPLEGIA**

LOCOMOTION

The development of the lamprey pattern generator for locomotion. Cohen AH, et al. **J Neurobiol** 1990 Oct; 21(7):958–69 (35 ref.)

[Spasticity: therapy of increased reflexes or movement disorder?] Dietz V. **Nervenarzt** 1990 Oct;61(10):581–6 (57 ref.) **(Ger)**

DRUG EFFECTS

Locomotor side-effects of corticosteroids. Geusens P, et al. **Baillieres Clin Rheumatol** 1991 Apr;5(1):99–118 (119 ref.)

PHYSIOLOGY

Neuronal network generating locomotor behavior in lamprey: circuitry, transmitters, membrane properties, and simulation. Grillner S, et al. **Annu Rev Neurosci** 1991; 14:169–99 (161 ref.)

The neural network underlying locomotion in lamprey—synaptic and cellular mechanisms. Grillner S, et al. **Neuron** 1991 Jul;7(1):1–15 (120 ref.)

Animal motility and gravity. Full RJ. **Physiologist** 1991 Feb; 34(1 Suppl):S15–8 (28 ref.)

On the interpretation of asymmetries of posture and locomotion produced with dopamine agonists in animals with unilateral depletion of striatal dopamine. Miller R, et al. **Prog Neurobiol** 1991;36(3):229–56 (187 ref.)

LOCOMOTION, CELL see **CELL MOVEMENT**

LOCUS COERULEUS

ANATOMY & HISTOLOGY

Monoaminergic interaction in the central nervous system: a morphological analysis in the locus coeruleus of the rat. Maeda T, et al. **Comp Biochem Physiol [C]** 1991; 98(1):193–202 (38 ref.)

PHYSIOLOGY

Responsiveness of locus ceruleus neurons to excitatory stimulation is uniquely regulated by alpha 2 receptors. Simson PE, et al. **Psychopharmacol Bull** 1988;24(3):349–54 (30 ref.)

Is interleukin 2 a neuromodulator in the brain? Nisticò G, et al. **Trends Neurosci** 1991 Apr;14(4):146–50 (56 ref.)

LOCUS OF CONTROL see **INTERNAL-EXTERNAL CONTROL**

LOCUSTS see **GRASSHOPPERS**

LOEFFLER SYNDROME see **PULMONARY EOSINOPHILIA**

LOG-LINEAR MODELS see **LINEAR MODELS**

LOGIC

[The problem of human functional states from the position of the dialectical unity of the waveform processes of the brain, body and environment] Iliukhina VA. **Fiziol Zh SSSR** 1990 Dec;76(12):1720–9 (33 ref.) **(Rus)**

LOMUSTINE

THERAPEUTIC USE

Nitrosourea derivatives for the treatment of Hodgkin's disease involving the central nervous system: a study of 23 cases. Gershanovich ML, et al. **Bull Cancer (Paris)** 1990; 77(8):821–8 (48 ref.)

Preliminary study of lomustine in the treatment of intracranial masses in dogs following localization by imaging techniques. Fulton LM, et al. **Semin Vet Med Surg (Small Anim)** 1990 Nov;5(4):241–5 (16 ref.)

LONG QT SYNDROME

Stress and sudden death. The case of the long QT syndrome. Schwartz PJ, et al. **Circulation** 1991 Apr;83(4 Suppl):II71–80 (67 ref.)

CHEMICALLY INDUCED

QT-interval prolonging drugs: mechanisms and clinical relevance of their arrhythmogenic hazards. Zehender M, et al. **Cardiovasc Drugs Ther** 1991 Apr;5(2):515–30 (250 ref.)

CONGENITAL

[Congenital long QT syndrome. Mid-term prognosis] Villain E, et al. **Arch Mal Coeur Vaiss** 1991 May;84(5):653–8 (9 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Monophasic action potentials in the diagnosis of triggered arrhythmias. Zipes DP. **Prog Cardiovasc Dis** 1991 May–Jun;33(6):385–96 (55 ref.)

PHYSIOPATHOLOGY

Electrophysiology of the long QT syndromes. Linker NJ, et al. **Clin Cardiol** 1990 Dec;13(12):873–6 (30 ref.)

THERAPY

[Current principles of the treatment of prolonged QT interval syndrome] Popov SV, et al. **Klin Med (Mosk)** 1990 Nov; 68(11):8–12 (53 ref.) **(Rus)**

LONG TERM CARE

see related
INSURANCE, LONG TERM CARE

ECONOMICS

Long-term care financing: problems and progress. Wiener JM, et al. **Annu Rev Public Health** 1991;12:67–84 (33 ref.)

Morbidity, disability, and long-term care of the elderly: implications for insurance financing. Liu K, et al. **Milbank Q** 1990;68(3):445–92 (47 ref.)

Costing mental health services. Knapp M, et al. **Psychol Med** 1990 Nov;20(4):893–908 (29 ref.)

PSYCHOLOGY

Research in patient and family decision making regarding life sustaining and long term care. Coulton CJ. **Soc Work Health Care** 1990;15(1):63–78 (35 ref.)

TRENDS

Cognitive impairment among functionally limited elderly people in the community: future considerations for long-term care policy. Kasper JD. **Milbank Q** 1990; 68(1):81–109 (52 ref.)

LONG TERM CARE INSURANCE see **INSURANCE, LONG TERM CARE**

LONG TERMINAL REPEAT see **REPETITIVE SEQUENCES, NUCLEIC ACID**

LONGEVITY

see related
AGED
AGED, 80 AND OVER
LIFE EXPECTANCY

Effects of factors prolonging life span on carcinogenesis. Anisimov VN. **Ann N Y Acad Sci** 1991;621:373–84 (62 ref.)

Human longevity and aging: possible role of reactive oxygen species. Cutler RG. **Ann N Y Acad Sci** 1991;621:1–28 (42 ref.)

Effects of caloric restriction on the maintenance of genetic fidelity. Hart RW, et al. **Basic Life Sci** 1990;53:351–61 (20 ref.)

Selenium: geochemical distribution and associations with human heart and cancer death rates and longevity in China and the United States. Jackson ML. **Biol Trace Elem Res** 1988 Jan–Apr;15:13–21 (45 ref.)

The relationship of diet to cancer, cardiovascular disease and longevity. Leis HP Jr. **Int Surg** 1991 Jan–Mar;76(1):1–5 (35 ref.)

Left-handedness: a marker for decreased survival fitness. Coren S, et al. **Psychol Bull** 1991 Jan;109(1):90–106 (115 ref.)

GENETICS

Antioxidants and aging. Cutler RG. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):373S–379S (27 ref.)

PHYSIOLOGY

Aging, longevity, and cancer: studies in Down's syndrome and centenarians. Franceschi C, et al. **Ann N Y Acad Sci** 1991;621:428–40 (48 ref.)

Influence of energy levels and trace metals on health and life span. Good RA, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):230S–236S (88 ref.)

LONGITUDINAL STUDIES

Annotation: the analysis of change in longitudinal studies of development. Pickles A. **J Child Psychol Psychiatry** 1991 May;32(4):571–9 (39 ref.)

LOOP ILEOSTOMY see **ILEOSTOMY**

LOOP OF HENLE

DRUG EFFECTS

How do loop diuretics act? Wittner M, et al. **Drugs** 1991; 41 Suppl 3:1–13 (34 ref.)

METABOLISM

Susceptibility of Henle's loop to hypoxic and toxic insults. Brezis M, et al. **Adv Nephrol Necker Hosp** 1991;20:41–56 (35 ref.)

Ammonium transport by the loop of Henle. Good DW. **Miner Electrolyte Metab** 1990;16(5):291–8 (34 ref.)

A survey of transport properties of the thick ascending limb. Winters CJ, et al. **Semin Nephrol** 1991 Mar;11(2):236–47 (99 ref.)

PHYSIOLOGY

Heterogeneity of the descending thin limb of Henle's loop. Imai M, et al. **Kidney Int** 1990 Oct;38(4):687–94 (47 ref.)

Ion channel regulation in the thick ascending limb of the loop of Henle. Greger R, et al. **Kidney Int Suppl** 1991 Jul; 33:S119–24 (45 ref.)

Role of the thick ascending limb and inner medullary collecting duct in the regulation of urinary acidification. DuBose TD Jr, et al. **Semin Nephrol** 1991 Mar;11(2):120–8 (62 ref.)

LOPERAMIDE

PHARMACOLOGY

Loperamide hydrochloride. Daugherty LM. **Am Pharm** 1990 Dec;NS30(12):45–8 (14 ref.)

LOU GEHRIG'S DISEASE see **AMYOTROPHIC LATERAL SCLEROSIS**

LOUIS-BAR SYNDROME see **ATAXIA TELANGIECTASIA**

LOVASTATIN

ADVERSE EFFECTS

Long-term clinical tolerance of lovastatin and simvastatin. Bilheimer DW. **Cardiology** 1990;77 Suppl 4:58–65 (52 ref.)

ANALOGS & DERIVATIVES

Long-term clinical tolerance of lovastatin and simvastatin. Bilheimer DW. **Cardiology** 1990;77 Suppl 4:58–65 (52 ref.)

Simvastatin: a review of its pharmacology and clinical use. Mauro VF, et al. **DICP** 1991 Mar;25(3):257–64 (66 ref.)

Simvastatin. A review of its pharmacological properties and therapeutic potential in hypercholesterolaemia. Todd PA, et al. **Drugs** 1990 Oct;40(4):583–607 (107 ref.)

Lowering of plasma cholesterol levels in animals by lovastatin and simvastatin. Chao Y, et al. **Eur J Clin Pharmacol** 1991;40 Suppl 1:S11–4 (11 ref.)

PHARMACOLOGY

Lowering of plasma cholesterol levels in animals by lovastatin and simvastatin. Chao Y, et al. **Eur J Clin Pharmacol** 1991;40 Suppl 1:S11–4 (11 ref.)

LOVE

Love and violence: gender paradoxes in volatile attachments. Goldner V, et al. **Fam Process** 1990 Dec;29(4):343–64 (34 ref.)

Aggression and love in the relationship of the couple. Kernberg OF. **J Am Psychoanal Assoc** 1991;39(1):45–70 (21 ref.)

LOW BACK PAIN see **BACKACHE**

LOW CARDIAC OUTPUT see **CARDIAC OUTPUT, LOW**

LOW DENSITY LIPOPROTEINS see **LIPOPROTEINS, LDL**

LOW-INCOME POPULATION see **POVERTY**

LOW MOLECULAR WEIGHT HEPARIN see **HEPARIN, LOW MOLECULAR WEIGHT**

LOW MOLECULAR WEIGHT NUCLEAR RNA see **RNA, SMALL NUCLEAR**

LOW T3 AND T4 SYNDROME see **EUTHYROID SICK SYNDROMES**

LOW T3 SYNDROME see **EUTHYROID SICK SYNDROMES**

LOWER EXTREMITY see **LEG**

LOWER NEPHRON NEPHROSIS see **KIDNEY TUBULAR NECROSIS, ACUTE**

LSD see **LYSERGIC ACID DIETHYLAMIDE**

LULIBERIN see **GONADORELIN**

LULIBERIN RECEPTORS see **RECEPTORS, GONADOLIBERIN**

LUMBAGO see **BACKACHE**

LUMBAR PUNCTURE see **SPINAL PUNCTURE**

LUMBAR VERTEBRAE

Automated percutaneous lumbar diskectomy. Onik G, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):531–8 (46 ref.)

Multiple spinal metastases from paraganglioma. North CA, et al. **Cancer** 1990 Nov 15;66(10):2224–8 (37 ref.)

Vertebral compression fractures at the onset of acute lymphoblastic leukemia in a child. Oliveri MB, et al. **Henry Ford Hosp Med J** 1991;39(1):45–8 (34 ref.)

Current status of percutaneous discectomy and chemonucleolysis. Herkowitz HN. **Orthop Clin North Am** 1991 Apr;22(2):327–32 (42 ref.)

The current approach to the medical diagnosis of low back pain. McCowin PR, et al. **Orthop Clin North Am** 1991 Apr; 22(2):315–25 (64 ref.)

The role of transpedicular fixation systems for stabilization of the lumbar spine. Zindrick MR. **Orthop Clin North Am** 1991 Apr;22(2):333–44 (87 ref.)

Aspergillus infection of the L3–L4 disc space in an immunosuppressed heart transplant patient. Castelli C, et al. **Spine** 1990 Dec;15(12):1369–73 (22 ref.)

[Chronic sciatalgia caused by sensitive deafferentiation following surgery for lumbar disk hernia: clinical and therapeutic aspects. Apropos of 110 patients] Blond S, et al. **Neurochirurgie** 1991;37(2):86–95 (48 ref.) (Eng. Abstr.) **(Fre)**

[Lateral lumbar disk hernia] Monod A, et al. **Rev Chir Orthop** 1990;76(8):538–45 (20 ref.) (Eng. Abstr.) **(Fre)**

[Chordoma of the mobile spine. Report of 9 cases. Review of the literature] Chevalier X, et al. **Rev Rhum Mal Osteoartic** 1990 Nov;57(11):767–78 (98 ref.) (Eng. Abstr.) **(Fre)**

[Posterior pre-marginal hernia of the lumbar vertebrae. Report of 8 cases] Deshayes P, et al. **Rev Rhum Mal Osteoartic** 1990 Jul–Sep;57(7–8):537–42; discussion 543 (16 ref.) **(Fre)**

[Lateral intra- and extraforaminal lumbar disk hernia: clinical aspects and therapy] Benini A, et al. **Schweiz Med Wochenschr** 1991 Jun 15;121(24):889–97 (12 ref.) (Eng. Abstr.) **(Ger)**

[Chordoma (a review of 11 cases)] De Santis E, et al. **Arch Putti Chir Organi Mov** 1990;38(1):133–46 (25 ref.) (Eng. Abstr.) **(Ita)**

[The role of episacroiliac lipomas as a cause of pseudolumbago-sciatica syndromes] Rosati E, et al. **Arch Putti Chir Organi Mov** 1990;38(2):339–47 (12 ref.) (Eng. Abstr.) **(Ita)**

ABNORMALITIES

Spinal fusion in a patient with lumbosacral agenesis. Rieger MA, et al. **Spine** 1990 Dec;15(12):1382–4 (23 ref.)

[Neurogenic deformities of the foot due to congenital malformations of the lumbosacral spine. Their clinical and therapeutic characteristics] De Palma L, et al. **Arch Putti Chir Organi Mov** 1990;38(2):297–310 (18 ref.) (Eng. Abstr.) **(Ita)**

[Discopathy and lumbar stenosis] Dziak A. **Pol Tyg Lek** 1989 Oct 23–Nov 6;44(43–45):932–5 (22 ref.) **(Pol)**

[Scoliosis in adults (review of the literature. I] Fishchenko VIa, et al. **Ortop Travmatol Protez** 1990 Aug;(8):70–8 (99 ref.) **(Rus)**

BLOOD SUPPLY

Vascular complications of lumbar decompression laminectomy and foraminotomy. A unique case and review of the literature. Smith DW, et al. **Spine** 1991 Mar; 16(3):387–90 (12 ref.)

INJURIES

Apophyseal fracture of the lumbar spine in adolescence. Clark JE. **Orthop Rev** 1991 Jun;20(6):512–6 (12 ref.)
Stress fracture of the lumbar pedicle. Case reports of "pediculolysis" and review of the literature. Gunzburg R, et al. **Spine** 1991 Feb;16(2):185–9 (40 ref.)
[Unilateral hematoma of the adrenal gland. Review of the literature. A case report] Zimmermann JM, et al. **J Urol (Paris)** 1990;96(7):399–402 (31 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

[Neurological aspects of microcrystalline arthropathies] Siniachenko OV, et al. **Sov Med** 1991;(4):31–3 (49 ref.) **(Rus)**

PHYSIOLOGY

Elements of a general theory of joints. 4. Coupled joints as simple gear systems. Kubein-Meesenburg D, et al. **Anat Anz** 1991;172(5):309–21 (20 ref.)
Normative database for trunk range of motion, strength, velocity, and endurance with the Isostation B-200 Lumbar Dynamometer. Gomez T, et al. **Spine** 1991 Jan;16(1):15–21 (49 ref.)

PHYSIOPATHOLOGY

Clinical implications of vibration-induced changes in the lumbar spine. Hansson T, et al. **Orthop Clin North Am** 1991 Apr;22(2):247–53 (51 ref.)

RADIOGRAPHY

Lumbar intervertebral disc prolapse in teenage twins. A case report and review of the literature. Gunzburg R, et al. **J Bone Joint Surg [Br]** 1990 Sep;72(5):914–6 (19 ref.)
Anterior perforations in lumbar discectomies. A report of four cases of vascular complications and a CT study of the prevertebral lumbar anatomy. Anda S, et al. **Spine** 1991 Jan;16(1):54–60 (75 ref.)
Lumbar discography followed by computed tomography. Refining the diagnosis of low-back pain. Bernard TN Jr. **Spine** 1990 Jul;15(7):690–707 (155 ref.)

SURGERY

Perioperative care in lumbar spine surgery. Brown MD, et al. **Orthop Clin North Am** 1991 Apr;22(2):353–8 (24 ref.)
Biomechanics of thoracolumbar spinal fixation. A review. Krag MH. **Spine** 1991 Mar;16(3 Suppl):S84–99 (134 ref.)
Intestinal injury after lumbar discectomy. Smith EB, et al. **Surg Gynecol Obstet** 1991 Jul;173(1):22–4 (16 ref.)
[Segmental instability and lumbar spinal canal stenosis. Theoretical, clinical and surgical aspects] Benini A. **Neurochirurgia (Stuttg)** 1990 Sep;33(5):146–57 (81 ref.) (Eng. Abstr.) **(Ger)**

LUMBOSACRAL PLEXUS

[A case of delayed radiation lumbo-sacral plexopathy] Numata K, et al. **No To Shinkei** 1990 Jul;42(7):629–33 (20 ref.) (Eng. Abstr.) **(Jpn)**

INJURIES

[Diseases of the peripheral nervous system during pregnancy, labor and puerperium (review of the literature)] Burshinov AO, et al. **Zh Nevropatol Psikhiatr** 1991;91(4):109–13 (136 ref.) **(Rus)**

LUMINESCENCE

Enhanced detection systems for enzyme-linked heterogeneous immunoassays: luminescence. Edwards JC, et al. **Immunol Ser** 1990;53:95–106 (39 ref.)
Analytical applications of bioluminescence—a matter of proper kinetic design and recording. Brolin SE, et al. **J Biochem Biophys Methods** 1991 Jan;22(1):1–18 (47 ref.)
Analytical applications of enhanced drug luminescence. Baeyens WR, et al. **J Pharm Biomed Anal** 1989; 7(12):1385–94 (53 ref.)
Development of chemiluminescence reactions in biomedical analysis. Baeyens WR, et al. **J Pharm Biomed Anal** 1989; 7(4):407–12 (66 ref.)
Chemiluminescence: a sensitive and versatile method for analyte detection. Givens RS, et al. **J Pharm Biomed Anal** 1990;8(6):477–91 (29 ref.)
Molecular biology of bacterial bioluminescence. Meighen EA. **Microbiol Rev** 1991 Mar;55(1):123–42 (155 ref.)
[Low-level chemoluminescence as a marker of ischemic myocardial damage] Török B, et al. **Orv Hetil** 1991 Apr 14;132(15):815–7 (15 ref.) (Eng. Abstr.) **(Hun)**
[The clinical aspects of the use of chemiluminescent analysis (a review of the literature)] Afonina GB, et al. **Vrach Delo** 1990 Sep;(9):73–8 (40 ref.) **(Rus)**

LUMINESCENT PROTEINS

GENETICS

Molecular biology of bacterial bioluminescence. Meighen EA. **Microbiol Rev** 1991 Mar;55(1):123–42 (155 ref.)

LUMPECTOMY see **MASTECTOMY, SEGMENTAL**

LUNDBORG-UNVERRICHT SYNDROME see **EPILEPSY, MYOCLONUS**

LUNG

see related
AIR SACS
PNEUMONECTOMY
RESPIRATION

ABNORMALITIES

An interesting case presentation: pulmonary malformations associated with oculoauriculovertebral dysplasia (Goldenhar anomalad). Downing GJ, et al. **J Perinatol** 1991 Jun;11(2):190–2 (16 ref.)
Pulmonary hypoplasia: a review. Sherer DM, et al. **Obstet Gynecol Surv** 1990 Nov;45(11):792–803 (121 ref.)
Horseshoe lung: differential diagnosis. Hawass ND, et al. **Pediatr Radiol** 1990;20(8):580–4 (18 ref.)
Radiographic manifestations of anomalies of the lung. Keslar P, et al. **Radiol Clin North Am** 1991 Mar;29(2):255–70 (108 ref.)

BLOOD SUPPLY

Fleischner lecture. Developmental abnormalities in the systemic blood supply to the lungs. Ellis K. **AJR Am J Roentgenol** 1991 Apr;156(4):669–79 (55 ref.)
Physiology and pathophysiology of pulmonary circulation. Neri Serneri GG. **Ann Ital Med Int** 1988;3 Suppl 1:8–11 (0 ref.)
Pulmonary microembolism and lung vascular injury. Malik AB. **Eur Respir J Suppl** 1990 Oct;11:499s–506s (71 ref.)
[Primary pulmonary hypertension in children] Rachocka J, et al. **Wiad Lek** 1990 Oct 1–15;43(19–20):964–6 (21 ref.) (Eng. Abstr.) **(Pol)**
[Primary pulmonary hypertension] Konopleva LF. **Klin Med (Mosk)** 1990 Sep;68(9):13–8 (15 ref.) **(Rus)**

CHEMISTRY

Biochemistry and turnover of lung interstitium. Davidson JM. **Eur Respir J** 1990 Oct;3(9):1048–63 (227 ref.)
Pulmonary proteins as cell-specific markers. Singh G, et al. **Exp Lung Res** 1991 Mar-Apr;17(2):245–53 (49 ref.)
Tachykinin receptors in the airways and lung: what should be block? Maggi CA. **Pharmacol Res** 1990 Sep–Oct; 22(5):527–40 (92 ref.)
[Lung lymph composition and flow in experimental pulmonary edema] Fukushima M, et al. **Kokyu To Junkan** 1991 May;39(5):413–7 (16 ref.) **(Jpn)**

CYTOLOGY

Endothelial and epithelial cell adhesion molecules. Albelda SM. **Am J Respir Cell Mol Biol** 1991 Mar;4(3):195–203 (57 ref.)
"Professional" and "nonprofessional" contractile cells in the lung. Schmidt RA, et al. **Am J Respir Cell Mol Biol** 1990 Dec;3(6):513–4 (8 ref.)
The beta-type transforming growth factor. Mediators of cell regulation in the lung. Pelton RW, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S31–5 (64 ref.)
Mononuclear cell-fibroblast interactions in the human lung. Elias JA, et al. **Chest** 1991 Mar;99(3 Suppl):73S–79S (31 ref.)
Newt lung epithelial cells: cultivation, use, and advantages for biomedical research. Rieder CL, et al. **Int Rev Cytol** 1990;122:153–220 (230 ref.)
Mediators of different lung cells and their function. Reutgen H, et al. **Z Erkr Atmungsorgane** 1991;176(2–3):104–8 (10 ref.)
[Pulmonary dendritic cells] Soler P, et al. **Rev Mal Respir** 1991;8(2):191–6 (24 ref.) (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Sulfur conjugates as putative pneumotoxic metabolites of the pyrrolizidine alkaloid, monocrotaline. Huxtable RJ, et al. **Adv Exp Med Biol** 1991;283:605–12 (19 ref.)
Lung vascular injury from monocrotaline pyrrole, a putative hepatic metabolite. Roth RA, et al. **Adv Exp Med Biol** 1991; 283:477–87 (66 ref.)
Mechanisms of bleomycin-induced lung damage. Hay J, et al. **Arch Toxicol** 1991;65(2):81–94 (192 ref.)
Interleukin-2-induced lung permeability is mediated by leukotriene B4. Klausner JM, et al. **Cancer** 1990 Dec 1; 66(11):2357–64 (38 ref.)
Pharmacologic induction of fetal lung maturity. Roberts WE, et al. **Clin Obstet Gynecol** 1991 Jun;34(2):319–27 (30 ref.)
Oxygen radicals in lung pathology. Doelman CJ, et al. **Free Radic Biol Med** 1990;9(5):381–400 (218 ref.)
Interactions of xenobiotics in the respiratory tract following non-inhalation routes of exposure. Brittebo EB, et al. **Int J Epidemiol** 1990;19 Suppl 1:S24–31 (67 ref.)
Clinical pharmacology of inhaled drugs of abuse: implications in understanding nicotine dependence. Benowitz NL. **NIDA Res Monogr** 1990;99:12–29 (21 ref.)
Adrenoceptors in airway smooth muscle. Goldie RG, et al. **Pharmacol Ther** 1990;48(3):295–322 (225 ref.)
Activation and pulmonary toxicity of pyrrolizidine alkaloids. Huxtable RJ. **Pharmacol Ther** 1990;47(3):371–89 (160 ref.)
Amiodarone pulmonary toxicity: morphologic and biochemical features. Reasor MJ, et al. **Proc Soc Exp Biol Med** 1991 Jan;196(1):1–7 (73 ref.)
[The role of aromatic hydrocarbon hydroxylase in the pathogenesis of lung cancer] Pilarska-Machowicz A. **Pol Tyg Lek** 1990 Apr 2–9;45(14–15):303–7 (44 ref.) (Eng. Abstr.) **(Pol)**
[Toxic pulmonary and neuronal reactions to nitrofurantoin] Mihăiţan F. **Rev Ig Med Muncii Med Soc Bacteriol Virusol Parazitol Epidemiol Pneumoftiziol Pneumoftiziol** 1990 Jan–Mar; 39(1):51–8 (9 ref.) (Eng. Abstr.) **(Rum)**

EMBRYOLOGY

Regulation of fetal lung maturation. Gross I. **Am J Physiol** 1990 Dec;259(6 Pt 1):L337–44 (73 ref.)
Epigenetic autocrine and paracrine factors regulating lung morphogenesis. A paradigm for lung repair. Warburton D. **Chest** 1991 Mar;99(3 Suppl):15S–18S (57 ref.)
Pharmacologic induction of fetal lung maturity. Roberts WE, et al. **Clin Obstet Gynecol** 1991 Jun;34(2):319–27 (30 ref.)
Lung development in the mouse embryo. Ten Have-Opbroek AA. **Exp Lung Res** 1991 Mar-Apr;17(2):111–30 (19 ref.)
Prevention and treatment of fetal lung immaturity. Cosmi EV, et al. **Fetal Ther** 1989;4 Suppl 1:52–62 (49 ref.)

ENZYMOLOGY

The structure and airway biology of mast cell proteinases. Caughey GH. **Am J Respir Cell Mol Biol** 1991 May; 4(5):387–94 (58 ref.)
Role of antileukoprotease in the human lung. Kramps JA, et al. **Ann N Y Acad Sci** 1991;624:97–108 (56 ref.)
Localization, distribution, and induction of xenobiotic-metabolizing enzymes and aryl hydrocarbon hydroxylase activity within lung. Baron J, et al. **Pharmacol Ther** 1990;47(3):419–45 (173 ref.)

GROWTH & DEVELOPMENT

Malnutrition and lung growth. Gaultier C. **Pediatr Pulmonol** 1991;10(4):278–86 (54 ref.)

IMMUNOLOGY

Pulmonary dendritic cells: sentinels of lung-associated lymphoid tissues [comment] Toews GB. **Am J Respir Cell Mol Biol** 1991 Mar;4(3):204–5 (6 ref.) Comment on: Am J Respir Cell Mol Biol 1991 Mar;4(3):210–8.
Do cytokines play a role in leukocyte recruitment and activation in the lungs? Schleimer RP, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1169–74; discussion 1175–6 (100 ref.)
IgE and mucosal immunity: studies on the role of intraepithelial Ia + dendritic cells and gamma/delta T-lymphocytes in regulation of T-cell activation in the lung. Holt PG, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:148–52 (16 ref.)
Immunology of interstitial lung diseases: cellular events taking place in the lung of sarcoidosis, hypersensitivity pneumonitis and HIV infection. Semenzato G. **Eur Respir J** 1991 Jan;4(1):94–102 (42 ref.)
Immune functions of subpopulations of lung fibroblasts. Phipps RP, et al. **Immunol Res** 1990;9(4):275–86 (39 ref.)
Pulmonary defense mechanisms against opportunistic fungal pathogens. Waldorf AR. **Immunol Ser** 1989;47:243–71 (115 ref.)
Compartmentalization and kinetics of lymphoid cells in the lung [published erratum appears in **Reg Immunol** 1990 Mar-Apr;3(2):120] Pabst R. **Reg Immunol** 1990 Jan-Feb; 3(1):62–71 (92 ref.)
Immunologic responses in the lung. Reynolds HY, et al. **Respiration** 1990;57(3):221–8 (84 ref.)
Altered immune status in the elderly. Simons RJ, et al. **Semin Respir Infect** 1990 Dec;5(4):251–9 (37 ref.)
Lymphocytes in the lung—localization and kinetics. Pabst R. **Z Erkr Atmungsorgane** 1991;176(2–3):98–103 (36 ref.)
[Immunologic monitoring of rejection of allogeneic lung transplant] Stikhanovskaia LD. **Vestn Akad Med Nauk SSSR** 1990;(8):54–60 (65 ref.) **(Rus)**

INJURIES

Pathophysiology of neonatal lung injury. Bland RD. **Int J Technol Assess Health Care** 1991;7 Suppl 1:56–60 (39 ref.)
The production of alveolar macrophage-derived growth-regulating proteins in response to lung injury. Brandes ME, et al. **Toxicol Lett** 1990 Nov;54(1):3–22; discussion 1–2 (208 ref.)
[Diving accidents. 2. Respiratory barotrauma: a pulmonary over-pressure syndrome] Desola Alà J. **Med Clin (Barc)** 1990 Jun 30;95(5):183–90 (79 ref.) **(Spa)**

INNERVATION

Neutral endopeptidase modulates neurogenic inflammation. Nadel JA. **Eur Respir J** 1991 Jun;4(6):745–54 (86 ref.)

METABOLISM

Studies on the metabolism of eicosanoids with respect to their roles in the human lung. Kumlin M. **Acta Physiol Scand Suppl** 1991;596:1–96 (567 ref.)

Control of type I collagen formation in the lung. Goldstein RH. **Am J Physiol** 1991 Aug;261(2 Pt 1):L29–40 (174 ref.)
Hormonal and developmental regulation of pulmonary surfactant synthesis in fetal lung. Mendelson CR, et al. **Baillieres Clin Endocrinol Metab** 1990 Jun;4(2):351–78 (121 ref.)
Potential therapeutic exploitation of the pulmonary polyamine uptake system. Cohen GM, et al. **Biochem Soc Trans** 1990 Oct;18(5):743–5 (28 ref.)
The role of incomplete pulmonary inactivation of metabolites in the association of prepatellar bursitis with asthma. Backon J. **Br J Clin Pract** 1990 Dec;44(12):585–6 (26 ref.)
Platelet-derived growth factor produced by pulmonary cells. Brody AR, et al. **Chest** 1991 Mar;99(3 Suppl):50S–52S (38 ref.)
Regulation of lung collagen production during wound healing. Laurent GJ. **Chest** 1991 Mar;99(3 Suppl):67S–69S (36 ref.)
Pulmonary endothelial cell injury and altered lung metabolic function. Early detection of the adult respiratory distress syndrome and possible functional significance. Wiedemann HP, et al. **Clin Chest Med** 1990 Dec;11(4):723–36 (100 ref.)
Pulmonary clearance of 99mTc-DTPA. An index of alveolar epithelial permeability. Groth S. **Dan Med Bull** 1991 Jun; 38(3):189–203 (117 ref.)
Ofloxacin concentrations in tissues involved in respiratory tract infections. Perea EJ. **J Antimicrob Chemother** 1990 Nov;26 Suppl D:55–60 (21 ref.)
Multiple organ failure: inflammatory priming and activation sequences promote autologous tissue injury. Anderson BO, et al. **J Trauma** 1990 Dec;30(12 Suppl):S44–9 (31 ref.)
Use of albumin as a volume expander. Doweiko JP, et al. **JPEN J Parenter Enteral Nutr** 1991 Jul–Aug;15(4):484–7 (61 ref.)
Action by the lungs on circulating xenobiotic agents, with a case study of physiologically based pharmacokinetic modeling of benzo(a)pyrene disposition. Roth RA, et al. **Pharmacol Ther** 1990;48(2):143–55 (85 ref.)
Respiratory tract penetration of quinolone antimicrobials: a case in study. Ritrovato CA, et al. **Pharmacotherapy** 1991; 11(1):38–49 (70 ref.)
Cystic fibrosis. 4. Abnormalities of airway epithelial function and the implications of the discovery of the cystic fibrosis gene. Cuthbert AW. **Thorax** 1991 Feb;46(2):124–30 (40 ref.)
[From the parenchyma to the mucosa biopsy: significance and importance of local assays of antibiotics. A critical study] Bergogne-Berezin E, et al. **Rev Mal Respir** 1990; 7(6):551–7 (30 ref.) (Eng. Abstr.) **(Fre)**
[Endothelins and lung] Okabe T. **Kokyu To Junkan** 1991 Apr; 39(4):304–10 (24 ref.) **(Jpn)**
[The role of fibronectin in the development of fibrosis] Iaglov VV, et al. **Vestn Akad Med Nauk SSSR** 1991;(2):50–2 (18 ref.) (Eng. Abstr.) **(Rus)**
[The role of lipid peroxidation in post-stress aggravation of influenza and the corrective effect od ionol] Inozemtseva LI, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):54–7 (17 ref.) (Eng. Abstr.) **(Rus)**
[The thioldisulfide system as one of the elements of compensatory mechanisms in influenza] Leont'eva GF, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):40–4 (24 ref.) (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Pulmonary Aspergillus intracavitary colonization (PAIC). Severo LC, et al. **Mycopathologia** 1990 Nov;112(2):93–104 (86 ref.)

PATHOLOGY

The roles of inflammatory cells in the pathogenesis of asthma and of chronic obstructive pulmonary disease. Corrigan CJ, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1165–8; discussion 1175–6 (54 ref.)
Morphology of the airway wall in asthma and in chronic obstructive pulmonary disease. Jeffery PK. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1152–8; discussion 1161 (61 ref.)
Cellular infiltrates in asthma and in chronic obstructive pulmonary disease. Laitinen A, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1159–60; discussion 1161 (14 ref.)
Patterns of lung repair. A morphologist's view. Kuhn C. **Chest** 1991 Mar;99(3 Suppl):11S–14S (29 ref.)
Pulmonary pathology of the adult respiratory distress syndrome. Tomashefski JF Jr. **Clin Chest Med** 1990 Dec; 11(4):593–619 (89 ref.)
Imaging strategies in the staging of lung cancer. Webb WR, et al. **Clin Chest Med** 1991 Mar;12(1):133–50 (62 ref.)
Oxidant stress and adult respiratory distress syndrome. Brigham KL. **Eur Respir J Suppl** 1990 Oct;11:482s–484s (17 ref.)
The pathology of primary pulmonary hypertension. Burke AP, et al. **Mod Pathol** 1991 Mar;4(2):269–82 (135 ref.)
Lung biopsy interpretation in the acquired immunodeficiency syndrome: experience of the National Institutes of Health with literature review. Travis WD, et al. **Prog AIDS Pathol** 1989;1:51–84 (220 ref.)
Spectrum of invasive pulmonary aspergillosis in immunocompetent patients with chronic obstructive pulmonary disease. Thommi G, et al. **South Med J** 1991 Jul;84(7):828–31 (14 ref.)
Cystic fibrosis. 2. Lung injury in cystic fibrosis. Elborn JS, et al. **Thorax** 1990 Dec;45(12):970–3 (40 ref.)
Pneumocystis carinii pneumonia in pulmonary pathology. van Maarsseveen TC. **Z Erkr Atmungsorgane** 1991; 176(2–3):140–5 (16 ref.)
Double immunoenzyme staining. van Maarsseveen TC, et al. **Z Erkr Atmungsorgane** 1991;176(2–3):165–71 (5 ref.)
[Changes in the lungs in mucoviscidosis. Feasibility and advantages of different imaging techniques] Bick U, et al. **Radiologe** 1990 Dec;30(12):598–605 (35 ref.) (Eng. Abstr.) **(Ger)**
[Endoscopic biopsy diagnosis of diffuse interstitial lung diseases] Ballin A. **Z Gesamte Inn Med** 1990 Oct 1; 45(19):569–72 (13 ref.) (Eng. Abstr.) **(Ger)**
[Contribution of pathology to diagnosis of fibrosing lung diseases] Dalquen P. **Z Gesamte Inn Med** 1990 Oct 1; 45(19):563–9 (58 ref.) (Eng. Abstr.) **(Ger)**
[Magnetic resonance imaging in chest medicine] Shioya S. **Kokyu To Junkan** 1991 Jan;39(1):3–8 (48 ref.) **(Jpn)**
[A case of exogenous lipoid pneumonia showing a coin lesion with cavities] Iwasaki Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1991 Jun; 29(6):729–33 (16 ref.) (Eng. Abstr.) **(Jpn)**
[An open lung biopsy case of follicular bronchiolitis in rheumatoid arthritis] Kusume K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Jun; 28(6):906–12 (8 ref.) (Eng. Abstr.) **(Jpn)**
[Pathomorphosis and its significance in the diagnosis of tuberculosis and nonspecific diseases of the lungs] Pilipchuk VN, et al. **Klin Med (Mosk)** 1990 Oct;68(10):60–3 (8 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Histamine receptors in the lung. Barnes PJ. **Agents Actions Suppl** 1991;33:103–22 (81 ref.)
Hormonal control of the surfactant system in fetal lung. Mendelson CR, et al. **Annu Rev Physiol** 1991;53:415–40 (122 ref.)
Regulation of pulmonary surfactant secretion and clearance. Wright JR, et al. **Annu Rev Physiol** 1991;53:395–414 (116 ref.)
Interactions, associations, and relationships between the lungs and the esophagus. Mansfield LE. **Clin Rev Allergy** 1990 Winter;8(4):381–94 (36 ref.)
Lung mechanical effects on the bronchial circulation. Deffebach ME. **Eur Respir J Suppl** 1990 Dec;12:586s–590s (18 ref.)
Neuropeptides and the lung. Casale TB. **J Allergy Clin Immunol** 1991 Jul;88(1):1–14 (133 ref.)
Developmental and hormonal regulation of surfactant protein A (SP-A) gene expression in fetal lung. Mendelson CR, et al. **J Dev Physiol** 1991 Jan;15(1):61–9 (30 ref.)
Long-term sequelae on pulmonary function in survivors of the adult respiratory distress syndrome. Waanders H, et al. **Neth J Med** 1991 Apr;38(3–4):177–82 (19 ref.)
Micromechanical foundations of pulmonary elasticity. Stamenović D. **Physiol Rev** 1990 Oct;70(4):1117–34 (90 ref.)
Cross-sectional physiology of the lung. Gurney JW. **Radiology** 1991 Jan;178(1):1–10 (113 ref.)
Mucociliary clearance in the lung. Mortensen J. **Rev Med Chir Soc Med Nat Iasi** 1990 Jan–Mar;94(1):9–17 (30 ref.)
[Atrial natriuretic factor and the lung] Ménard O. **Rev Mal Respir** 1991;8(2):153–67 (128 ref.) (Eng. Abstr.) **(Fre)**
[Effects and adverse effects of mechanical ventilation on pulmonary, cardiac and circulatory functions] Peters J. **Klin Anasthesiol Intensivther** 1991;39:343–63 (53 ref.) **(Ger)**
[Lymphatic circulation of the lung: general considerations] Asakura S, et al. **Kokyu To Junkan** 1991 May;39(5):407–12 (26 ref.) **(Jpn)**
[Lung health in middle age. Screening of 40-year old persons in Vest-Agder] Holten K. **Tidsskr Nor Laegeforen** 1991 Jun 10;111(15):1834–9 (28 ref.) (Eng. Abstr.) **(Nor)**
[Beta adrenergic receptors in lung tissue] Passowicz-Muszyńska E, et al. **Pol Tyg Lek** 1990 Jul 16–30; 45(29–31):630–3 (60 ref.) **(Pol)**
[Pulmonary function in the full-term newborn infant without respiratory problems] Valls i Soler A, et al. **An Esp Pediatr** 1990 Dec;33(6):511–4 (21 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

An alternative point of view on experimental lung hyperreactivity. Desquand S, et al. **Agents Actions Suppl** 1990;31:25–37 (26 ref.)
Pulmonary considerations of organ transplantation. Part 3. Ettinger NA, et al. **Am Rev Respir Dis** 1991 Aug; 144(2):433–51 (198 ref.)
VIP as a modulator of lung inflammation and airway constriction. Said SI. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S22–4 (50 ref.)
Changes in pulmonary surfactant during bacterial pneumonia. Brogden KA. **Antonie Van Leeuwenhoek** 1991 May; 59(4):215–23 (39 ref.)
The commonality of cutaneous wound repair and lung injury. Clark RA. **Chest** 1991 Mar;99(3 Suppl):57S–60S (33 ref.)
Role of the epithelium in lung repair. Witschi H. **Chest** 1991 Mar;99(3 Suppl):22S–25S (37 ref.)
Mechanical heart-lung interaction in the adult respiratory distress syndrome. Biondi JW, et al. **Clin Chest Med** 1990 Dec;11(4):691–714 (227 ref.)
Pathogenesis and management of lung disease in cystic fibrosis. Zach MS. **J R Soc Med** 1991;84 Suppl 18:10–7 (88 ref.)
Pulmonary circulation and burns and trauma. Herndon DN, et al. **J Trauma** 1990 Dec;30(12 Suppl):S41–4 (24 ref.)
Physiological assessment of inflammation in the peripheral lung of asthmatic patients. Ingram RH Jr. **Lung** 1990; 168(5):237–47 (22 ref.)
Dynamic pulmonary hyperinflation and intrinsic PEEP: consequences and management in patients with chronic obstructive pulmonary disease. Milic-Emili J. **Recenti Prog Med** 1990 Nov;81(11):733–7 (24 ref.)
The 'healthy smoker': a phenomenon of health selection? Becklake MR, et al. **Respiration** 1990;57(3):137–44 (41 ref.)
[Abnormalities of respiratory function in civil defence firefighter-submarine divers. Respective role of diving and occupational exposure related to occupational firefighter's functions] Barthelemy L, et al. **Rev Pneumol Clin** 1990; 46(6):271–6 (34 ref.) (Eng. Abstr.) **(Fre)**
[Metastasis of tumor cell in lymphatic circulation of the lung] Sumio N. **Kokyu To Junkan** 1991 May;39(5):425–30 (40 ref.) **(Jpn)**

RADIATION EFFECTS

Acute radiation-induced pulmonary injury: computed tomography evaluation. Ikezoe J, et al. **Semin Ultrasound CT MR** 1990 Oct;11(5):409–16 (19 ref.)
The dose to lung in TBI. Quast U. **Strahlenther Onkol** 1991 Mar;167(3):135–51 (126 ref.)
[Laser therapy of chronic obstructive lung diseases] Demicheva EV. **Sov Med** 1991;(2):32–6 (62 ref.) **(Rus)**

RADIOGRAPHY

Unusual presentation of recurrent Wegener's granulomatosis. Dugowson CE, et al. **Chest** 1991 Mar;99(3):781–4 (35 ref.)
Computed tomography of asbestos-related pulmonary parenchymal and pleural diseases. Aberle DR, et al. **Clin Chest Med** 1991 Mar;12(1):115–31 (116 ref.)
High-resolution computed tomography of chronic interstitial lung disease. Müller NL, et al. **Clin Chest Med** 1991 Mar; 12(1):97–114 (69 ref.)
Radiographic evaluation of focal lung disease. Naidich DP, et al. **Clin Chest Med** 1991 Mar;12(1):77–95 (82 ref.)
Imaging of the intensive care unit patient. Wiener MD, et al. **Clin Chest Med** 1991 Mar;12(1):169–98 (138 ref.)
Pneumocystis carinii pneumonia and acquired immunodeficiency syndrome: an atypical presentation with lung cavitations. Praz JO, et al. **Eur Respir J** 1990 Nov; 3(10):1221–3 (11 ref.)
High resolution lung computed tomography. Normal anatomic and pathologic findings. Webb WR. **Radiol Clin North Am** 1991 Sep;29(5):1051–63 (52 ref.)
High-resolution computed tomography of the lung: normal and abnormal anatomy. Webb WR. **Semin Roentgenol** 1991 Apr;26(2):110–7 (25 ref.)
Computed tomographic scanning of the thorax in workers at risk of or with silicosis. Bégin R, et al. **Semin Ultrasound CT MR** 1990 Oct;11(5):380–92 (54 ref.)
Computed tomography of benign pleural and pulmonary parenchymal abnormalities related to asbestos exposure. Friedman AC, et al. **Semin Ultrasound CT MR** 1990 Oct; 11(5):393–408 (49 ref.)
Computed tomography of pulmonary bleomycin toxicity. Mills P, et al. **Semin Ultrasound CT MR** 1990 Oct; 11(5):417–22 (21 ref.)
High-resolution computed tomography of the pulmonary parenchyma. Noma S, et al. **Semin Ultrasound CT MR** 1990 Oct;11(5):365–79 (44 ref.)
Intraparenchymal pulmonary lymph node: case report and literature review. Koslow SA, et al. **Surg Radiol Anat** 1990; 12(4):303–6 (30 ref.)
[Pulmonary excision: long-term outcome] Beltrami V, et al. **G Chir** 1988 Jun;9(6):385–94 (20 ref.) **(Ita)**

RADIONUCLIDE IMAGING

Indium-111 labeled neutrophils for detecting lung injury. A perspective. Williams JH Jr. **Chest** 1991 May;99(5):1248–51 (24 ref.)
Pulmonary applications of nuclear medicine. Kramer EL, et al. **Clin Chest Med** 1991 Mar;12(1):55–75 (157 ref.)
Estimation of fractal dimension of parenchymal organs based on power spectral analysis of nuclear medicine scans. Cargill EB, et al. **Prog Clin Biol Res** 1991;363:557–70 (16 ref.)

ULTRASTRUCTURE

Lung extracellular matrix: physiology and pathophysiology. Roman J, et al. **Hosp Pract [Off]** 1990 Nov 15;25(11):125–8, 131–5, 139–40 (9 ref.)

LUNG ABSCESS

ETIOLOGY

Pancreaticobronchial fistula causing lung abscess: case report and brief discussion of the literature. Misare BD, et al. **Surgery** 1991 Sep;110(3):549–51 (17 ref.)

MICROBIOLOGY

Lung abscess with group A beta-hemolytic Streptococcus. Case report and review. Frieden TR, et al. **Arch Intern Med** 1991 Aug;151(8):1655-7 (34 ref.)

SURGERY

[Lung abscess and bronchiectasis] Thermann M, et al. **Chirurg** 1990 Sep;61(9):622-8 (9 ref.) **(Ger)**

THERAPY

[Efferent therapy in the complex treatment of pyo-destructive processes in the lungs] Neimark II. **Grud Serdechnososudistaia Khir** 1990 Dec;(12):71-4 (56 ref.) **(Rus)**

LUNG CAPACITIES see **LUNG VOLUME MEASUREMENTS**

LUNG COMPLIANCE

PHYSIOLOGY

[Measuring compliance] Hoffarth HP. **Verh Dtsch Ges Inn Med** 1990;96:727-30 (7 ref.) **(Ger)**

LUNG DISEASE, INTERSTITIAL see **PULMONARY FIBROSIS**

LUNG DISEASES

see related
PULMONARY HEART DISEASE

AIDS: pulmonary complications and intensive care. Rosen MJ. **Acute Care** 1988-89;14-15:229-43 (55 ref.)

Pulmonary considerations of organ transplantation. Part 3. Ettinger NA, et al. **Am Rev Respir Dis** 1991 Aug; 144(2):433-51 (198 ref.)

BLOOD

[Plasmapheresis as an optimal method to improve the outcome of surgical diseases] Genyk SN, et al. **Sov Med** 1990;(7):33-41 (60 ref.) **(Rus)**

CHEMICALLY INDUCED

Formaldehyde: an analysis of its respiratory, cutaneous, and immunologic effects. Bardana EJ Jr, et al. **Ann Allergy** 1991 Jun;66(6):441-52 (147 ref.)

Drug-induced lung disease: 1990 review. Israel-Biet D, et al. **Eur Respir J** 1991 Apr;4(4):465-78 (201 ref.)

The clinical diagnosis of drug-induced pulmonary disorders. Gregory SA, et al. **J Thorac Imaging** 1991 Jan;6(1):8-18 (85 ref.)

The role of chest computed tomography in the diagnosis of drug-related reactions. Kuhlman JE. **J Thorac Imaging** 1991 Jan;6(1):52-61 (80 ref.)

Lung disorders due to drug abuse. McCarroll KA, et al. **J Thorac Imaging** 1991 Jan;6(1):30-5 (41 ref.)

Hypothesis: is lung disease after silicate inhalation caused by oxidant generation? Ghio AJ, et al. **Lancet** 1990 Oct 20;336(8721):967-9 (35 ref.)

Acute nitrous oxide intoxication: clinical symptoms, pathophysiology and treatment. Meulenbelt J, et al. **Neth J Med** 1990 Oct;37(3-4):132-8 (47 ref.)

Drug induced clinical syndromes mimicking sarcoidosis [editorial] Sharma OP, et al. **Sarcoidosis** 1991 Mar;8(1):3-5 (12 ref.)

[Asbestos-induced lung diseases] Lange P, et al. **Ugeskr Laeger** 1990 Nov 19;152(47):3520-4 (30 ref.) (Eng. Abstr.) **(Dan)**

[Drug-induced changes in the lungs] Schaefer C, et al. **Radiologe** 1990 Dec;30(12):564-73 (23 ref.) (Eng. Abstr.) **(Ger)**

CLASSIFICATION

[Pulmonary vasculitis] Kamel A, et al. **Tunis Med** 1990 Oct; 68(10):575-80 (29 ref.) **(Fre)**

COMPLICATIONS

Lymphocytic hypophysitis and pulmonary sarcoidosis. Report of a case. Hayashi H, et al. **Am J Clin Pathol** 1991 Apr;95(4):506-11 (32 ref.)

Pulmonary hemorrhage and necrotizing glomerulonephritis without glomerular immune deposits: report of two cases. Jones CL, et al. **Am J Kidney Dis** 1991 Aug;18(2):257-63 (40 ref.)

Sarcoidosis complicated by HIV infection: three case reports and a review of the literature. Lowery WS, et al. **Am Rev Respir Dis** 1990 Oct;142(4):887-9 (25 ref.)

Gastro-oesophageal reflux and the lung. Simpson H, et al. **Arch Dis Child** 1991 Mar;66(3):277-9 (23 ref.)

Neoplasms associated with pulmonary eosinophilic granuloma. Tomashefski JF, et al. **Arch Pathol Lab Med** 1991 May;115(5):499-506 (42 ref.)

Alveolar hemorrhage associated with crescentic glomerulonephritis--a case report. Hong SK, et al. **Korean J Intern Med** 1989 Jan;4(1):90-5 (14 ref.)

Malignant mesenchymoma associated with a congenital lung cyst in a child: case report and review of the literature. Domizio P, et al. **Pediatr Pathol** 1990;10(5):785-97 (23 ref.)

Pulmonary complications of intravenous drug misuse. 2. Infective and HIV related complications. Hind CR. **Thorax** 1990 Dec;45(12):957-61 (90 ref.)

[Association of sarcoidosis and primary biliary cirrhosis: review of the literature apropos of a new case] Jouanolle H, et al. **Rev Med Interne** 1990 May-Jun;11(3):252-5 (34 ref.) (Eng. Abstr.) **(Fre)**

[Intravascular coagulation in lung diseases (a review of the literature)] Shelest LIu, et al. **Vrach Delo** 1990 Nov; (11):12-6 (50 ref.) **(Rus)**

DIAGNOSIS

Chronic upper lobe cavitary lung disease. Zeilender SB, et al. **Am Fam Physician** 1991 Jan;43(1):187-94 (16 ref.)

The structure of expert diagnostic knowledge in occupational medicine. Harber P, et al. **Am J Ind Med** 1991;19(1):109-20 (8 ref.)

Use of immunologic technology in the diagnosis of environmental and occupational immunologic lung disease. Patterson R, et al. **Chest** 1990 Nov;98(5 Suppl):206S-208S (32 ref.)

Impact of integrative cardiopulmonary exercise testing on clinical decision making. Sue DY, et al. **Chest** 1991 Apr; 99(4):981-92 (54 ref.)

Noninfectious pulmonary diseases masquerading as community-acquired pneumonia. Gross TJ, et al. **Clin Chest Med** 1991 Jun;12(2):363-93 (184 ref.)

Computer applications in diagnostic imaging. Horii SC. **Clin Chest Med** 1991 Mar;12(1):1-17 (24 ref.)

Thoracic magnetic resonance imaging. Weinreb JC, et al. **Clin Chest Med** 1991 Mar;12(1):33-54 (108 ref.)

Pulmonary cytology. Zaman MB. **Clin Lab Med** 1991 Jun; 11(2):293-315 (14 ref.)

Exercise testing in the assessment of pulmonary disease. Blackie SP, et al. **Clin Rev Allergy** 1990 Summer-Fall; 8(2-3):215-27 (20 ref.)

Immunologic tests in the diagnosis of pulmonary infection. Goldstein E, et al. **Clin Rev Allergy** 1990 Summer-Fall; 8(2-3):229-52 (109 ref.)

Biopsies in patients with intrathoracic disease. Lillington GA, et al. **Clin Rev Allergy** 1990 Summer-Fall;8(2-3):333-60 (133 ref.)

Bronchoalveolar lavage. Martin WR, et al. **Clin Rev Allergy** 1990 Summer-Fall;8(2-3):305-32 (147 ref.)

Utility of serologic testing in the diagnosis of noninfectious pulmonary disorders. White RH, et al. **Clin Rev Allergy** 1990 Summer-Fall;8(2-3):253-75 (110 ref.)

Bronchoalveolar lavage: application in pulmonary diseases. Sharma SK, et al. **Indian J Chest Dis Allied Sci** 1990 Jul-Sep;32(3):157-76 (118 ref.)

Drug-induced pulmonary disease: an update. Aronchick JM, et al. **J Thorac Imaging** 1991 Jan;6(1):19-29 (61 ref.)

Preoperative evaluation of pulmonary status. Klein JT, et al. **Mt Sinai J Med** 1991 Jan;58(1):37-40 (28 ref.)

Pulmonary and acid-base assessment. Brenner M, et al. **Nurs Clin North Am** 1990 Dec;25(4):761-70 (14 ref.)

Evaluating the HIV-infected child with pulmonary signs and symptoms. Cunningham SJ, et al. **Pediatr Emerg Care** 1991 Feb;7(1):32-7 (19 ref.)

Pulmonary complications in patients with the acquired immunodeficiency syndrome: diagnostic methods. Sittler SY, et al. **Prog AIDS Pathol** 1990;2:73-87 (61 ref.)

Kveim-Siltzbach test revisited. James DG, et al. **Sarcoidosis** 1991 Mar;8(1):6-9 (26 ref.)

Drug induced clinical syndromes mimicking sarcoidosis [editorial] Sharma OP, et al. **Sarcoidosis** 1991 Mar;8(1):3-5 (12 ref.)

Histoplasmosis: a masquerader of sarcoidosis. Sharma OP. **Sarcoidosis** 1991 Mar;8(1):10-3 (12 ref.)

[Plasma cell granuloma of the lung. Apropos of a case and review of the literature] Pieters T, et al. **Rev Pneumol Clin** 1990;46(2):73-7 (29 ref.) (Eng. Abstr.) **(Fre)**

[Pulmonary renal syndrome. Favorable prognosis of immunologically mediated diseases through adequate diagnosis and therapy] Heidbreder E, et al. **Dtsch Med Wochenschr** 1991 Feb 8;116(6):223-9 (38 ref.) **(Ger)**

[Pulmonary histiocytosis X] Loddenkemper R. **Z Gesamte Inn Med** 1990 Oct 1;45(19):578-80 (18 ref.) (Eng. Abstr.) **(Ger)**

[Diagnosis, prevention and therapy of pulmonary complications in heart surgery interventions] Worth H, et al. **Z Kardiol** 1990;79 Suppl 4:31-8 (31 ref.) (Eng. Abstr.) **(Ger)**

[Magnetic resonance imaging in chest medicine] Shioya S. **Kokyu To Junkan** 1991 Jan;39(1):3-8 (48 ref.) **(Jpn)**

[Localized amyloidosis of the lower respiratory tract] Mitsui K, et al. **Nippon Rinsho** 1991 Apr;49(4):903-9 (16 ref.) **(Jpn)**

[Advances in the diagnosis of pulmonary complications in patients infected with the human immunodeficiency virus] Pérez Arellano JL, et al. **An Med Interna** 1990 Jun; 7(6):315-23 (84 ref.) (Eng. Abstr.) **(Spa)**

[Pulmonary hemorrhage as the initial manifestation of Behçet's disease] Nicolás JM, et al. **Rev Clin Esp** 1991 May; 188(9):466-7 (16 ref.) (Eng. Abstr.) **(Spa)**

[Lymphomatoid granulomatosis: a clinical case] Lavados M, et al. **Rev Med Chil** 1990 May;118(5):555-61 (17 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Which respiratory anti-infective agent? Bannister B. **Br J Clin Pract** 1990 Aug;44(8):321-3 (4 ref.)

Therapeutic application of oxygen radical scavengers. Zimmerman JJ. **Chest** 1991 Sep;100(3 Suppl):189S-192S (49 ref.)

Inhaled drugs and the lung. Summers QA. **Clin Exp Allergy** 1991 May;21(3):259-68 (103 ref.)

[Therapy of lung diseases in AIDS] Eichenlaub D. **Verh Dtsch Ges Inn Med** 1990;96:516-21 (7 ref.) **(Ger)**

[The use of inhibitors of proteolytic enzymes in bronchopulmonary diseases] Khudzik LB, et al. **Probl Tuberk** 1991;(1):68-71 (57 ref.) **(Rus)**

[The antibacterial therapy of infectious lung lesions] Martsinovskiĭ VIu, et al. **Ter Arkh** 1990;62(9):8-15 (39 ref.) **(Rus)**

[The use of antibiotics in pathology of the lower respiratory tract, lung and pleura] Moreno Martin J. **An Esp Pediatr** 1989 Sep;31 Suppl 38:68-78 (40 ref.) **(Spa)**

ENZYMOLOGY

Proteinases in chronic lung infection. Stockley RA, et al. **Ann N Y Acad Sci** 1991;624:257-66 (49 ref.)

EPIDEMIOLOGY

Pulmonary function testing: guidelines for medical surveillance and epidemiological studies. McKay RT, et al. **Occup Med** 1991 Jan-Mar;6(1):43-57 (12 ref.)

Community-acquired pulmonary infections in a public municipal hospital in the 1980s. Carpenter JL, et al. **South Med J** 1991 Mar;84(3):299-306 (52 ref.)

ETHNOLOGY

Sarcoidosis in Arabs: the clinical profile of 20 patients and review of the literature. Diab SM, et al. **Sarcoidosis** 1991 Mar;8(1):56-62 (36 ref.)

ETIOLOGY

Cardiorespiratory effects of endoscopic esophageal variceal sclerotherapy. Baydur A, et al. **Am J Med** 1990 Oct; 89(4):477-82 (43 ref.)

Pulmonary disease in AIDS patients. Weissler JC, et al. **Am J Med Sci** 1990 Nov;300(5):330-43 (158 ref.)

Pulmonary considerations of organ transplantation. Part I. Ettinger NA, et al. **Am Rev Respir Dis** 1991 Jun; 143(6):1386-405 (219 ref.)

Protease injury in airways disease. Rennard SI, et al. **Ann N Y Acad Sci** 1991;624:278-85 (69 ref.)

Pleuropulmonary complications of endoscopic variceal sclerotherapy. Edling JE, et al. **Chest** 1991 May; 99(5):1252-7 (58 ref.)

Pulmonary complications of leukemia. Hildebrand FL Jr, et al. **Chest** 1990 Nov;98(5):1233-9 (59 ref.)

Effects of fiber characteristics on lung deposition, retention, and disease. Lippmann M. **Environ Health Perspect** 1990 Aug;88:311-7 (35 ref.)

Human disease consequences of fiber exposures: a review of human lung pathology and fiber burden data. Roggli VL. **Environ Health Perspect** 1990 Aug;88:295-303 (72 ref.)

Pulmonary complications of AIDS. Golden JA. **Immunol Ser** 1989;44:403-47 (214 ref.)

Wegener's granulomatosis presenting as diffuse pulmonary hemorrhage. Misset B, et al. **Intensive Care Med** 1991; 17(2):118-20 (12 ref.)

Pet-associated lung diseases. Winer-Muram HT, et al. **J Thorac Imaging** 1991 Jul;6(3):14-30 (111 ref.)

The environment and the lung. Changing perspectives. Samet JM, et al. **JAMA** 1991 Aug 7;266(5):670-5 (57 ref.)

Agricultural disorders of the lung. Gurney JW, et al. **Radiographics** 1991 Jul;11(4):625-34 (21 ref.)

Pulmonary complications of intravenous drug misuse. 1. Epidemiology and non-infective complications. Hind CR. **Thorax** 1990 Nov;45(11):891-8 (88 ref.)

[Pulmonary changes in diabetes mellitus] Terzieva Ts. **Vutr Boles** 1990;29(5):13-7 (0 ref.) **(Bul)**

[Pulmonary hemosiderosis. Hemodynamic or idiopathic origin? Diagnostic contribution of imaging and review of the literature] Le Blanche AF, et al. **J Radiol** 1991 Jan; 72(1):35-41 (24 ref.) (Eng. Abstr.) **(Fre)**

[Risk of anesthesia in respiratory diseases] Dureuil B. **Presse Med** 1991 Jul 6-13;20(26):1223-9 (29 ref.) (Eng. Abstr.) **(Fre)**

[Clinical management by the respiratory physician of patients with HIV infections] Dautzenberg B, et al. **Rev Mal Respir** 1990;7(6):505-15 (40 ref.) (Eng. Abstr.) **(Fre)**

[Pleuro-pulmonary manifestations of rheumatoid polyarthritis] Perez T, et al. **Rev Mal Respir** 1991; 8(2):169-89 (255 ref.) (Eng. Abstr.) **(Fre)**

[Endothoracic vascular involvement in Behçet's disease] Benzarti M, et al. **Rev Pneumol Clin** 1990;46(4):178-82 (39 ref.) (Eng. Abstr.) **(Fre)**

[Respiratory risk of general surgery in adults] Cohendy R, et al. **Rev Pneumol Clin** 1991;47(1):10-20 (102 ref.) (Eng. Abstr.) **(Fre)**

[Diagnosis and therapy of lung hemorrhage] Hennig R, et al. **Z Arztl Fortbild (Jena)** 1990;84(24):1240-2 (8 ref.) **(Ger)**

[Alveolar hemorrhage] García-Casasola G, et al.

Rev Clin Esp 1990 Nov;187(8):412–7 (30 ref.) **(Spa)**

GENETICS

Molecular biology and respiratory disease. 7. The alpha 1 antitrypsin gene and chronic lung disease. Kalsheker N, et al. **Thorax** 1990 Oct;45(10):759–64 (50 ref.)

[Application of molecular biology techniques to pneumology] Martinet N, et al. **Rev Mal Respir** 1990;7(6):541–50 (39 ref.) (Eng. Abstr.) **(Fre)**

[Genetic defects in pneumology] Poller W. **Verh Dtsch Ges Inn Med** 1990;96:441–50 (46 ref.) **(Ger)**

IMMUNOLOGY

Immunology of interstitial lung diseases: cellular events taking place in the lung of sarcoidosis, hypersensitivity pneumonitis and HIV infection. Semenzato G. **Eur Respir J** 1991 Jan;4(1):94–102 (42 ref.)

Subclinical alveolitis in immunological systemic disorders. Transition between health and disease? Wallaert B, et al. **Eur Respir J** 1990 Nov;3(10):1206–16 (71 ref.)

Leucocytes and pulmonary disorders: mobilization, activation and role in pathology. Shock A, et al. **Mol Aspects Med** 1990;11(6):425–526 (672 ref.)

Immunologic responses in the lung. Reynolds HY, et al. **Respiration** 1990;57(3):221–8 (84 ref.)

[Immunopathogenesis of sarcoidosis: current practical knowledge] Müller–Quernheim J. **Z Gesamte Inn Med** 1990 Oct 1;45(19):573–7 (54 ref.) (Eng. Abstr.) **(Ger)**

[Immunopathogenic processes in infectious pulmonary diseases] Păunescu E. **Rev Ig Med Muncii Med Soc Bacteriol Virusol Parazitol Epidemiol Pneumoftiziol Pneumoftiziol** 1990 Jan–Mar; 39(1):5–14 (24 ref.) **(Rum)**

[Cellular–metabolic interactions between the phagocytic system and blood lipoproteins in respiratory diseases] Iakovleva OA. **Probl Tuberk** 1990;(10):70–3 (57 ref.) **(Rus)**

METABOLISM

Biochemistry and turnover of lung interstitium. Davidson JM. **Eur Respir J** 1990 Oct;3(9):1048–63 (227 ref.)

MICROBIOLOGY

Alginate synthesis by Pseudomonas aeruginosa: a key pathogenic factor in chronic pulmonary infections of cystic fibrosis patients. May TB, et al. **Clin Microbiol Rev** 1991 Apr;4(2):191–206 (172 ref.)

PATHOLOGY

Transthoracic needle aspiration. The benign diagnosis. Fraser RS. **Arch Pathol Lab Med** 1991 Aug;115(8):751–61 (58 ref.)

Acute febrile neutrophilic dermatosis in childhood (Sweet's syndrome). Collins P, et al. **Br J Dermatol** 1991 Feb; 124(2):203–6 (17 ref.)

The diagnostic yield of bronchoscopy. Dierkesmann R. **Cardiovasc Intervent Radiol** 1991 Jan–Feb;14(1):24–8 (73 ref.)

CT–guided transthoracic needle biopsy. Gardner D, et al. **Cardiovasc Intervent Radiol** 1991 Jan–Feb;14(1):17–23 (35 ref.)

Patterns of lung repair. A morphologist's view. Kuhn C. **Chest** 1991 Mar;99(3 Suppl):11S–14S (29 ref.)

Small airways disease. Yousem SA. **Pathol Annu** 1991;26 Pt 2:109–43 (78 ref.)

Lung biopsy interpretation in the acquired immunodeficiency syndrome: experience of the National Institutes of Health with literature review. Travis WD, et al. **Prog AIDS Pathol** 1989;1:51–84 (220 ref.)

Applied histochemistry and cytochemistry. Eckert H. **Z Erkr Atmungsorgane** 1991;176(2–3):122–7 (5 ref.)

Bronchoalveolar lavage. van Maarsseveen TC, et al. **Z Erkr Atmungsorgane** 1991;176(2–3):112–21 (44 ref.)

Double immunoenzyme staining. van Maarsseveen TC, et al. **Z Erkr Atmungsorgane** 1991;176(2–3):165–71 (5 ref.)

[Bronchoalveolar lavage] Capron F. **Ann Pathol** 1990; 10(4):232–46 (83 ref.) **(Fre)**

[Changes in the pleura and review of idiopathic pulmonary hemosiderosis Ceelen–Gellerstedt disease] Müller KM, et al. **Pneumologie** 1991 Jan;45(1):23–7 (26 ref.) (Eng. Abstr.) **(Ger)**

[Broncho–alveolar lavage] Yamaguchi E, et al. **Kokyu To Junkan** 1991 Jan;39(1):15–22 (80 ref.) **(Jpn)**

PHYSIOPATHOLOGY

Use of antibodies in the study of protein structure and function in lung diseases. Miller EJ, et al. **Am J Physiol** 1991 Feb;260(2 Pt 1):L1–12 (137 ref.)

Interactions, associations, and relationships between the lungs and the esophagus. Mansfield LE. **Clin Rev Allergy** 1990 Winter;8(4):381–94 (36 ref.)

Cross–sectional physiology of the lung. Gurney JW. **Radiology** 1991 Jan;178(1):1–10 (113 ref.)

[The oscillation method—a cost–effective alternative for the functional diagnosis of respiration mechanics in clinical practice?] Pleger E, et al. **Z Arztl Fortbild (Jena)** 1991 Mar 11;85(5):187–92 (27 ref.) **(Ger)**

PREVENTION & CONTROL

Preventive pulmonary medical education. A review of its importance, status, and challenge. Glanz K, et al. **Chest** 1991 Aug;100(2):487–93 (64 ref.)

Medical surveillance for pulmonary endpoints. Balmes JR. **Occup Med** 1990 Jul–Sep;5(3):499–513 (51 ref.)

Radiology in prevention and surveillance of occupational lung disease. Batra P, et al. **Occup Med** 1991 Jan–Mar; 6(1):81–100 (90 ref.)

Physiologic testing in preventing occupational lung disease. Gelb AF. **Occup Med** 1991 Jan–Mar;6(1):59–68 (61 ref.)

Pulmonary function testing in pulmonary prevention. Harber P, et al. **Occup Med** 1991 Jan–Mar;6(1):69–79 (26 ref.)

Program optimization: a semi–quantitative approach. Harber P, et al. **Occup Med** 1991 Jan–Mar;6(1):145–51 (2 ref.)

Pulmonary prevention: programmatic characterization. Harber P. **Occup Med** 1991 Jan–Mar;6(1):133–43 (12 ref.)

The role of industrial hygiene in preventing occupational lung disease. Hinds WC. **Occup Med** 1991 Jan–Mar; 6(1):29–42 (32 ref.)

The role of worker education in preventing occupational lung disease. Kaufman JD, et al. **Occup Med** 1991 Jan–Mar; 6(1):1–9 (23 ref.)

PSYCHOLOGY

Prevention of psychological disability after occupational respiratory exposures. Shusterman DJ, et al. **Occup Med** 1991 Jan–Mar;6(1):11–27 (69 ref.)

Psychological factors affecting pulmonary and rheumatologic diseases. A review. Moran MG. **Psychosomatics** 1991 Winter;32(1):14–23 (71 ref.)

RADIOGRAPHY

Computed tomography of chronic diffuse infiltrative lung disease. Part 2. Müller NL, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 1):1440–8 (69 ref.)

Imaging of the intensive care unit patient. Wiener MD, et al. **Clin Chest Med** 1991 Mar;12(1):169–98 (138 ref.)

The chest film in the acquired immunodeficiency syndrome. Goodman PC. **Curr Opin Radiol** 1991 Jun;3(3):357–63 (33 ref.)

Computed tomographic diagnosis of diffuse lung disease. Staples C. **Curr Opin Radiol** 1991 Jun;3(3):372–9 (26 ref.)

Pediatric chest imaging. Wood BP. **Curr Opin Radiol** 1990 Dec;2(6):899–903 (17 ref.)

A radiographic approach to diffuse lung disease. Chiles C. **Radiol Clin North Am** 1991 Sep;29(5):919–29 (24 ref.)

Computed tomography of air–space disease. Hommeyer SH, et al. **Radiol Clin North Am** 1991 Sep;29(5):1065–84 (56 ref.)

Occupational lung disease. McLoud TC. **Radiol Clin North Am** 1991 Sep;29(5):931–41 (43 ref.)

Diffuse lung disease in the current spectrum of immunocompromised hosts (non–AIDS). Moore EH. **Radiol Clin North Am** 1991 Sep;29(5):983–97 (90 ref.)

Diffuse pulmonary hemorrhage. Müller NL, et al. **Radiol Clin North Am** 1991 Sep;29(5):965–71 (51 ref.)

Pulmonary manifestations of AIDs. CT and radiographic correlations. Naidich DP, et al. **Radiol Clin North Am** 1991 Sep;29(5):999–1017 (83 ref.)

Pulmonary angiitis and granulomatosis. Staples CA. **Radiol Clin North Am** 1991 Sep;29(5):973–82 (26 ref.)

High resolution lung computed tomography. Normal anatomic and pathologic findings. Webb WR. **Radiol Clin North Am** 1991 Sep;29(5):1051–63 (52 ref.)

High–resolution computed tomography of cystic lung disease. Naidich DP. **Semin Roentgenol** 1991 Apr; 26(2):151–74 (105 ref.)

High–resolution computed tomography of focal lung disease. Templeton PA, et al. **Semin Roentgenol** 1991 Apr; 26(2):143–50 (16 ref.)

High–resolution computed tomography in pulmonary sarcoidosis. Dawson WB, et al. **Semin Ultrasound CT MR** 1990 Oct;11(5):423–9 (18 ref.)

High–resolution computed tomography of the pulmonary parenchyma. Noma S, et al. **Semin Ultrasound CT MR** 1990 Oct;11(5):365–79 (44 ref.)

The role of high resolution computed tomography in the diagnosis of interstitial lung disease. Hansell DM, et al. **Thorax** 1991 Feb;46(2):77–84 (29 ref.)

[Manifestation of rheumatic diseases of the lung. Roentgenologic changes] Lingg G, et al. **Z Rheumatol** 1990 Sep–Oct;49(5):268–78 (21 ref.) (Eng. Abstr.) **(Ger)**

[High resolution computerized tomography in diffuse interstitial pathology of the lung] Gavelli G, et al. **Radiol Med (Torino)** 1991 Jan–Feb;81(1–2):127–39 (43 ref.) **(Ita)**

RADIONUCLIDE IMAGING

Indium–111 labeled neutrophils for detecting lung injury. A perspective. Williams JH Jr. **Chest** 1991 May;99(5):1248–51 (24 ref.)

Pulmonary applications of nuclear medicine. Kramer EL, et al. **Clin Chest Med** 1991 Mar;12(1):55–75 (157 ref.)

The quantitative evaluation of acute lung injury. Jones JG, et al. **Clin Phys Physiol Meas** 1990;11 Suppl A:127–31 (25 ref.)

Scintigraphic studies of inflammation in diffuse lung disease. Line BR. **Radiol Clin North Am** 1991 Sep;29(5):1095–114 (117 ref.)

SURGERY

[Current state of lung transplantation] Schäfers HJ. **Verh Dtsch Ges Inn Med** 1990;96:490–8 (25 ref.) **(Ger)**

[Indications for lung and heart–lung transplantation] Wagner TO, et al. **Verh Dtsch Ges Inn Med** 1990;96:476–83 (5 ref.) **(Ger)**

[Current state of lung transplantation] Schilling W. **Z Erkr Atmungsorgane** 1990;175(3):111–9 (30 ref.) (Eng. Abstr.) **(Ger)**

[Use of fibrin glue in thoracic surgery] Astrozhnikov IuV, et al. **Vestn Khir** 1990 Oct;145(10):133–7 (45 ref.) **(Rus)**

THERAPY

Therapeutic applications of BAL. Danel C, et al. **Eur Respir J** 1990 Sep;3(8):960–1, 961–9 (294 ref.)

Managing lung disease in late life: a new approach. Kinzel T. **Geriatrics** 1991 Jan;46(1):54–6, 58–9 (20 ref.)

Indications for continuous positive airway pressure and respirator therapy. Jonzon A. **Int J Technol Assess Health Care** 1991;7 Suppl 1:26–30 (31 ref.)

Guidelines for the scientific review of enteral food products for special medical purposes. Prepared for the Center for Food Safety and Applied Nutrition, Food and Drug Administration. Talbot JM. **JPEN J Parenter Enteral Nutr** 1991 May–Jun;15(3 Suppl):99S–174S, A1–E2 (346 ref.)

Applications of cell and molecular biology to pneumonology. McDonald JA. **Schweiz Med Wochenschr** 1991 Jan 26; 121(4):89–95 (31 ref.)

[Treatment of pulmonary arteriovenous aneurysms by vaso–occlusion. Technique and results after a year] Rémy J, et al. **Ann Chir** 1990;44(8):681–7 (30 ref.) (Eng. Abstr.) **(Fre)**

ULTRASONOGRAPHY

[Towards another diagnostic approach of peripheral pulmonary masses in pneumology: ultrasonically guided needle puncture] Targhetta R, et al. **Rev Pneumol Clin** 1991; 47(1):2–8 (15 ref.) (Eng. Abstr.) **(Fre)**

VETERINARY

Bronchoalveolar lavage in the evaluation of pulmonary disease in the dog and cat. State of the art [see comments] Hawkins EC, et al. **J Vet Intern Med** 1990 Sep–Oct; 4(5):267–74 (40 ref.) Comment in: J Vet Intern Med 1991 Jan–Feb;5(1):52–5.

Exercise–induced pulmonary hemorrhage. Sweeney CR. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):93–104 (43 ref.)

A review of the pathophysiology of exercise–induced pulmonary haemorrhage in the equine athlete. Donaldson LL. **Vet Res Commun** 1991;15(3):211–26 (91 ref.)

LUNG DISEASES, FUNGAL

Blastomycosis: fungal infections of the lung update: 1989. Bradsher RW. **Semin Respir Infect** 1990 Jun;5(2):105–10 (33 ref.)

Histoplasmosis: update 1989. Davies SF. **Semin Respir Infect** 1990 Jun;5(2):93–104 (40 ref.)

[Role of fungal flora in inflammatory and allergic bronchopulmonary diseases] Dorozhkova IR. **Probl Tuberk** 1990;(9):64–7 (40 ref.) **(Rus)**

COMPLICATIONS

Localized Aspergillus infestation in primary lung carcinoma. Clinical and pathological contrasts with post–tuberculous intracavitary aspergilloma. Smith FB, et al. **Chest** 1991 Aug;100(2):554–6 (12 ref.)

Invasive aspergillosis in patients with HIV infection: report of two patients and a review of the literature. Decker CF, et al. **J Acquir Immune Defic Syndr** 1991;4(6):603–6 (26 ref.)

Coccidioides immitis in patients with human immunodeficiency virus infections. Galgiani JN, et al. **Semin Respir Infect** 1990 Jun;5(2):151–4 (20 ref.)

Progressive disseminated histoplasmosis in the acquired immunodeficiency syndrome: a model for disseminated disease. Sarosi GA, et al. **Semin Respir Infect** 1990 Jun; 5(2):146–50 (22 ref.)

Invasive aspergillosis in AIDS. Singh N, et al. **South Med J** 1991 Jul;84(7):822–7 (24 ref.)

[Semi–invasive aspergillosis with involvement of the thoracic wall cured by itraconazole] Milleron B, et al. **Rev Pneumol Clin** 1990;46(4):175–7 (18 ref.) (Eng. Abstr.) **(Fre)**

[Lung lesions caused by opportunistic fungi in patients with tuberculosis of the respiratory organs] Solov'eva TN. **Probl Tuberk** 1990;(9):67–9 (43 ref.) **(Rus)**

[Lung mycoses caused by opportunistic fungi] Karaev ZO. **Ter Arkh** 1990;62(11):137–41 (15 ref.) **(Rus)**

DIAGNOSIS

[Techniques applicable to broncho–alveolar lavage fluid in hospital laboratory for the diagnosis of parasitic and fungal pneumopathies in immunosuppressed patients] Beauvais B, et al. **Ann Biol Clin (Paris)** 1991;49(3):172–9 (27 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Liposomal amphotericin-B as a therapeutic measure to control experimental aspergillosis in BALB/c mice. Ahmad I, et al. **Indian J Biochem Biophys** 1990 Dec;27(6):370–4 (38 ref.)

IMMUNOLOGY

Pulmonary defense mechanisms against opportunistic fungal pathogens. Waldorf AR. **Immunol Ser** 1989;47:243–71 (115 ref.)

MICROBIOLOGY

Community-acquired fungal diseases. Sarosi GA. **Clin Chest Med** 1991 Jun;12(2):337–47 (40 ref.)

Pulmonary Aspergillus intracavitary colonization (PAIC). Severo LC, et al. **Mycopathologia** 1990 Nov;112(2):93–104 (86 ref.)

PATHOLOGY

Spectrum of invasive pulmonary aspergillosis in immunocompetent patients with chronic obstructive pulmonary disease. Thommi G, et al. **South Med J** 1991 Jul;84(7):828–31 (14 ref.)

PREVENTION & CONTROL

Prevention of nosocomial aspergillosis. Rhame FS. **J Hosp Infect** 1991 Jun;18 Suppl A:466–72 (24 ref.)

RADIOGRAPHY

North American blastomycosis. Weingardt J, et al. **Am Fam Physician** 1991 Apr;43(4):1245–8 (19 ref.)

LUNG DISEASES, OBSTRUCTIVE

Unique aspects of respiratory disease in the aged. Webster JR, et al. **Geriatrics** 1991 Jul;46(7):31–4, 39–40, 43 (15 ref.)

Chronic obstructive pulmonary disease. Stratton MA, et al. **Prim Care** 1990 Sep;17(3):667–84 (33 ref.)

[General concepts and the history of chronic obstructive pulmonary disease] Yoshida M. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Mar;28(3):390–8 (24 ref.) (Eng. Abstr.) **(Jpn)**

BLOOD

A critical look at blood samples in CB and COAD. Venge P. **Agents Actions Suppl** 1990;30:109–19 (5 ref.)

COMPLICATIONS

Sleep disordered breathing and pulmonary hypertension. Weitzenblum E, et al. **Eur Respir J Suppl** 1990 Oct; 11:523s–526s (21 ref.)

Spectrum of invasive pulmonary aspergillosis in immunocompetent patients with chronic obstructive pulmonary disease. Thommi G, et al. **South Med J** 1991 Jul;84(7):828–31 (14 ref.)

[Advances in the drug therapy of pulmonary hypertension in patients with chronic obstructive pulmonary disease] Liu SZ, et al. **Chung Hua Chieh Ho Ho Hu Hsi Tsa Chih** 1991 Apr;14(2):107–10 (32 ref.) **(Chi)**

[Respiratory tract infection and acute deterioration of obstructive lung disease] Clementsen PS, et al. **Ugeskr Laeger** 1991 May 6;153(19):1336–9 (30 ref.) (Eng. Abstr.) **(Dan)**

[Pulmonary artery hypertension and nocturnal hypoxemia in chronic obstructive bronchopneumopathy] Apprill M, et al. **Rev Mal Respir** 1991;8(1):13–27 (97 ref.) (Eng. Abstr.) **(Fre)**

[Hypoxemia of chronic obstructive bronchopneumopathy and sleep] Meslier N, et al. **Rev Mal Respir** 1990;7(5):483–8 (47 ref.) **(Fre)**

[Management of acute respiratory insufficiency in chronic obstructive lung diseases] Sydow M, et al. **Klin Anasthesiol Intensivther** 1991;39:279–89; discussion 333–9 (7 ref.) **(Ger)**

[Causes and mechanisms of the development of chronic cor pulmonale in patients with tuberculosis and chronic nonspecific diseases of the lungs] Mar'iandyshev AO. **Probl Tuberk** 1991;(4):70–3 (69 ref.) **(Rus)**

DIAGNOSIS

[Clear definitions of chronic bronchopulmonary diseases: a necessity for practice, teaching and research in pneumology] Teculescu D. **Rev Pneumol Clin** 1990; 46(5):194–9 (58 ref.) (Eng. Abstr.) **(Fre)**

[Blood gas analysis: principles—indications—methods—interpretation] Harnoncourt K. **Verh Dtsch Ges Inn Med** 1990;96:719–27 (9 ref.) **(Ger)**

[Measuring compliance] Hoffarth HP. **Verh Dtsch Ges Inn Med** 1990;96:727–30 (7 ref.) **(Ger)**

[Prognostic parameters for cor pulmonale in chronic obstructive respiratory tract diseases] Machraoui A, et al. **Verh Dtsch Ges Inn Med** 1990;96:413–9 (31 ref.) **(Ger)**

[Spirometry] Schlegel J. **Verh Dtsch Ges Inn Med** 1990; 96:713–9 (4 ref.) **(Ger)**

[Diagnosis of lung function: what do we need?] Schött D, et al. **Verh Dtsch Ges Inn Med** 1990;96:192–5 (1 ref.) **(Ger)**

[Diagnostic parameters for the evaluation of work capacity: the bronchopulmonary system] Ulmer WT. **Versicherungsmedizin** 1990 Oct 1;42(5):130–2 (8 ref.) (Eng. Abstr.) **(Ger)**

[Pathomorphosis and its significance in the diagnosis of tuberculosis and nonspecific diseases of the lungs] Pilipchuk VN, et al. **Klin Med (Mosk)** 1990 Oct;68(10):60–3 (8 ref.) (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Bronchial biopsies in drug intervention studies in CB and COAD. Laitinen A, et al. **Agents Actions Suppl** 1990; 30:173–81 (14 ref.)

Clinical trials in asthma and chronic airflow obstruction. Meyers DA, et al. **Agents Actions Suppl** 1990;30:87–107 (25 ref.)

Effects of corticosteroids in "chronic bronchitis" and "chronic obstructive airway disease". Postma DS, et al. **Agents Actions Suppl** 1990;30:41–57 (16 ref.)

Inhaler and spacer use in obstructive airway diseases. Jones MD, et al. **Am Fam Physician** 1990 Oct;42(4):1007–13 (22 ref.)

The shape of the dose-response curve to inhaled bronchoconstrictor agents in asthma and in chronic obstructive pulmonary disease. Sterk PJ, et al. **Am Rev Respir Dis** 1991 Jun;143(6):1433–7 (68 ref.)

Respiratory tract infections: when is antibiotic therapy indicated? Lode H. **Clin Ther** 1991 Jan–Feb;13(1):149–56; discussion 148 (20 ref.)

Asthma and chronic obstructive lung disease: a pharmacologic approach. Spector SL. **Dis Mon** 1991 Jan; 37(1):1–58 (202 ref.)

Theophylline in asthma and COPD: changing perspectives and controversies. Poe RH, et al. **Geriatrics** 1991 Apr; 46(4):55–6, 61–5 (46 ref.)

Use of beta 2-adrenergic drugs in obstructive respiratory tract diseases of childhood. Cserháti E. **Ther Hung** 1990; 38(3):117–24 (64 ref.)

[Function analytic control of therapy of obstructive respiratory tract disease] Schött D, et al. **Verh Dtsch Ges Inn Med** 1990;96:742–5 (9 ref.) **(Ger)**

[Concomitant therapy with diagnostic respiratory function in the aged] Pleger E, et al. **Z Arztl Fortbild (Jena)** 1990; 84(22):1153–6 (14 ref.) **(Ger)**

ENZYMOLOGY

Inflammatory indices for chronic bronchitis and COAD. Proteases and antiproteases. Stockley RA, et al. **Agents Actions Suppl** 1990;30:229–41 (17 ref.)

EPIDEMIOLOGY

Chronic obstructive pulmonary disease in blacks and whites: pulmonary function norms and risk factors. Gillum RF. **J Natl Med Assoc** 1991 May;83(5):393–401 (65 ref.)

ETIOLOGY

The roles of inflammatory cells in the pathogenesis of asthma and of chronic obstructive pulmonary disease. Corrigan CJ, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1165–8; discussion 1175–6 (54 ref.)

Do cytokines play a role in leukocyte recruitment and activation in the lungs? Schleimer RP, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1169–74; discussion 1175–6 (100 ref.)

Risk factors associated with chronic obstructive lung disease. Higgins M. **Ann N Y Acad Sci** 1991;624:7–17 (23 ref.)

The Dutch hypothesis (chronic non-specific lung disease) revisited. Sluiter HJ, et al. **Eur Respir J** 1991 Apr; 4(4):479–89 (120 ref.)

Reactive changes in the blood of smokers and the development of arterial diseases and COPD, a review: evidence of associations between changes and subsequent disease with implications for the evaluation of harmful effects of cigarettes, and for susceptibility to the chronic effects of inhaled pollutants. Anthony HM. **Rev Environ Health** 1989 Jan–Dec;8(1–4):25–86 (472 ref.)

[Occupationally induced obstructive respiratory diseases] Baur X. **Verh Dtsch Ges Inn Med** 1990;96:49–51 (3 ref.) **(Ger)**

[Pulmonary emphysema and obstructive respiratory tract disease: etiology—diagnosis—prevention] Schmidt EW. **Verh Dtsch Ges Inn Med** 1990;96:51–8 (38 ref.) **(Ger)**

[The significance of disorders of tracheobronchial clearance in the development and course of chronic nonspecific lung diseases] Belova GV, et al. **Klin Med (Mosk)** 1990 Oct; 68(10):9–13 (23 ref.) **(Rus)**

[Hemostatic changes in the stages of the formation and development of nonspecific lung diseases] Gol'denberg IuM, et al. **Klin Med (Mosk)** 1990 Oct;68(10):13–6 (53 ref.) **(Rus)**

GENETICS

[Genetically-induced deficiency of alpha 1-antitrypsin and diseases of the lung—current assessment and perspectives] Stobernack A, et al. **Z Arztl Fortbild (Jena)** 1990; 84(22):1144–8 (20 ref.) **(Ger)**

IMMUNOLOGY

Indices of inflammatory activity in CB and COAD. Phagocyte secretion and chemotaxis. Venge P, et al. **Agents Actions Suppl** 1990;30:219–28 (10 ref.)

Bronchial hyperresponsiveness and bacterial respiratory infections. Cazzola M, et al. **Clin Ther** 1991 Jan–Feb; 13(1):157–71 (86 ref.)

[The immune system and allergy] König W. **Verh Dtsch Ges Inn Med** 1990;96:26–36 (10 ref.) **(Ger)**

METABOLISM

Cellular activation and releasability in asthma and in chronic obstructive pulmonary disease. Lee TH. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1162–4; discussion 1175–6 (32 ref.)

PATHOLOGY

Airway pathology of functional significance in chronic bronchitis and chronic obstructive airway disease. Hogg JC. **Agents Actions Suppl** 1990;30:11–20 (20 ref.)

Inflammatory indices for chronic bronchitis and chronic obstructive airway disease. Cell populations in bronchial and bronchoalveolar lavage. Linden M, et al. **Agents Actions Suppl** 1990;30:183–97 (16 ref.)

Which markers of inflammation should be used in therapeutic intervention studies of CB/COAD? Venge P, et al. **Agents Actions Suppl** 1990;30:289–94 (0 ref.)

Pharmacology of airway smooth muscle in chronic obstructive pulmonary disease and in asthma [published erratum appears in Am Rev Respir Dis 1991 Sep;144(3 Pt 1):733] Black JL. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1177–81 (34 ref.)

Morphology of the airway wall in asthma and in chronic obstructive pulmonary disease. Jeffery PK. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1152–8; discussion 1161 (61 ref.)

Cellular infiltrates in asthma and in chronic obstructive pulmonary disease. Laitinen A, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1159–60; discussion 1161 (14 ref.)

[Pathomorphologic principles in various forms of obstructive respiratory tract diseases] Morgenroth K. **Verh Dtsch Ges Inn Med** 1990;96:14–20 (7 ref.) **(Ger)**

PHYSIOPATHOLOGY

Airways hyperreactivity, bronchial inflammation and obstructive lung disease. Bleecker ER. **Agents Actions Suppl** 1990;30:73–86 (50 ref.)

Assessment of long-term changes in airway function. Pride NB. **Agents Actions Suppl** 1990;30:21–34 (16 ref.)

Control of airway caliber by autonomic nerves in asthma and in chronic obstructive pulmonary disease. de Jongste JC, et al. **Am Rev Respir Dis** 1991 Jun;143(6):1421–6 (75 ref.)

Isocapnic hyperventilation for measuring airway hyperresponsiveness in asthma and in chronic obstructive pulmonary disease. O'Byrne PM, et al. **Am Rev Respir Dis** 1991 Jun;143(6):1444–5 (9 ref.)

Hyperresponsiveness as a determinant of the outcome in chronic obstructive pulmonary disease. Postma DS, et al. **Am Rev Respir Dis** 1991 Jun;143(6):1458–62 (58 ref.)

Interaction between parenchyma and airways in chronic obstructive pulmonary disease and in asthma. Pride NB, et al. **Am Rev Respir Dis** 1991 Jun;143(6):1446–9 (32 ref.)

Right ventricular dysfunction in chronic obstructive pulmonary disease. Evaluation and management. Klinger JR, et al. **Chest** 1991 Mar;99(3):715–23 (68 ref.)

Pulmonary concerns and the exercise prescription. Mink BD. **Clin Sports Med** 1991 Jan;10(1):105–16 (33 ref.)

Respiratory muscle fatigue limiting physical exercise? Fitting JW. **Eur Respir J** 1991 Jan;4(1):103–8 (57 ref.)

The electrocardiogram in chronic obstructive pulmonary disease. Rodman DM, et al. **J Emerg Med** 1990 Sep–Oct; 8(5):607–15 (27 ref.)

Cardiovascular effects of airways obstruction. Scharf SM. **Lung** 1991;169(1):1–23 (98 ref.)

Dynamic pulmonary hyperinflation and intrinsic PEEP: consequences and management in patients with chronic obstructive pulmonary disease. Milic-Emili J. **Recenti Prog Med** 1990 Nov;81(11):733–7 (24 ref.)

[Diaphragmatic fatigue and respiratory failure in patients with chronic obstructive pulmonary diseases] Chen RC, et al. **Chung Hua Chieh Ho Ho Hu Hsi Tsa Chih** 1991 Apr;14(2):111–3 (20 ref.) **(Chi)**

[Bronchial hyperreactivity] van Aalderen WM, et al. **Tijdschr Kindergeneeskd** 1991 Apr;59(2):50–8 (25 ref.) (Eng. Abstr.) **(Dut)**

[Bronchitis and obstructive bronchitis] Lode H, et al. **Verh Dtsch Ges Inn Med** 1990;96:45–8 (23 ref.) **(Ger)**

[Pathophysiologic principles of obstructive respiratory tract diseases] Marek W, et al. **Verh Dtsch Ges Inn Med** 1990; 96:8–14 (24 ref.) **(Ger)**

[Functional disorders in obstructive respiratory tract diseases] Rasche K, et al. **Verh Dtsch Ges Inn Med** 1990;96:58–65 (13 ref.) **(Ger)**

[Allergic respiratory tract obstructions: organ manifestation and clinical outcome] Schultze-Werninghaus G. **Verh Dtsch Ges Inn Med** 1990;96:20–6 (38 ref.) **(Ger)**

[Virus infections and obstructive respiratory tract diseases] Werchau H. **Verh Dtsch Ges Inn Med** 1990;96:36–45 (65 ref.) **(Ger)**

LUNG DISEASES, OBSTRUCTIVE

PREVENTION & CONTROL

The prevention of chronic airway obstruction. Kasik JE. **Compr Ther** 1990 Oct;16(10):3–7 (21 ref.)

[Therapy of obstructive respiratory tract diseases. V: Mediator antagonists] Ukena D, et al. **Med Klin** 1990 Aug 15;85(8):499–503 (77 ref.) **(Ger)**

RADIOGRAPHY

Radiological imaging in the detection and differentiation of diffuse obstructive airway diseases. Lillington GA, et al. **Clin Rev Allergy** 1990 Summer–Fall;8(2–3):277–90 (43 ref.)

RADIOTHERAPY

[Laser therapy of chronic obstructive lung diseases] Demicheva EV. **Sov Med** 1991;(2):32–6 (62 ref.) **(Rus)**

SURGERY

[Electric stimulation of respiration in chronic nonspecific lung diseases in surgical practice] Vasil'ev VN, et al. **Vestn Khir** 1990 Apr;144(4):148–50 (21 ref.) **(Rus)**

THERAPY

Points of importance in long term intervention studies in CB/COAD. Löfdahl CG, et al. **Agents Actions Suppl** 1990; 30:281–7 (15 ref.)

COPD: management and rehabilitation. Make B. **Am Fam Physician** 1991 Apr;43(4):1315–24 (34 ref.)

The role of PEEP in patients with chronic obstructive pulmonary disease during assisted ventilation. Rossi A, et al. **Eur Respir J** 1990 Jul;3(7):818–22 (32 ref.)

[Physiotherapy and mask treatment of chronic bronchitis and chronic obstructive lung disease] Christensen HR, et al. **Nord Med** 1991;106(5):157–9 (15 ref.) (Eng. Abstr.) **(Dan)**

[Physical therapy and mask treatment of chronic bronchitis and chronic obstructive lung disease (COPD)] Christensen HR, et al. **Ugeskr Laeger** 1990 Oct 29;152(44):3237–40 (30 ref.) (Eng. Abstr.) **(Dan)**

[Intermittent ventilation—a new therapy in chronic respiratory failure (see comments)] Laier-Groeneveld G, et al. **Med Klin** 1991 May 15;86(5):255–8 (14 ref.) Comment in: Med Klin 1991 May 15;86(5):269–70. **(Ger)**

[Physiotherapy in obstructive airway diseases] Cegla UH. **Pneumologie** 1990 Oct;44(10):1161–5 (29 ref.) **(Ger)**

VETERINARY

Chronic obstructive pulmonary disease. Beech J. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):79–91 (58 ref.)

LUNG DISEASES, PARASITIC

COMPLICATIONS

Disseminated strongyloidiasis in AIDS: uncommon but important. Gompels MM, et al. **AIDS** 1991 Mar;5(3):329–32 (9 ref.)

DIAGNOSIS

[Techniques applicable to broncho-alveolar lavage fluid in hospital laboratory for the diagnosis of parasitic and fungal pneumopathies in immunosuppressed patients] Beauvais B, et al. **Ann Biol Clin (Paris)** 1991;49(3):172–9 (27 ref.) (Eng. Abstr.) **(Fre)**

LUNG FUNCTION TESTS see **RESPIRATORY FUNCTION TESTS**

LUNG LAVAGE FLUID see **BRONCHOALVEOLAR LAVAGE FLUID**

LUNG NEOPLASMS

The respiratory health of welders. Sferlazza SJ, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1134–48 (73 ref.)

Expert systems for efficient handling of medical information. I. Lung cancer. Marchevsky AM. **Anal Quant Cytol Histol** 1991 Apr;13(2):89–92 (20 ref.)

Cell biology and molecular biology of small cell and non-small cell lung cancer. Gazdar AF. **Curr Opin Oncol** 1990 Apr;2(2):321–7 (64 ref.)

Silica and lung cancer: a controversial issue. Pairon JC, et al. **Eur Respir J** 1991 Jun;4(6):730–44 (107 ref.)

Primary osteosarcoma of the lung. Report of two cases and review of the literature. Loose JH, et al. **J Thorac Cardiovasc Surg** 1990 Dec;100(6):867–73 (20 ref.)

[Acquired paraneoplastic hypertrichosis lanuginosa associated with scleroderma] Valda Rodriguez L, et al. **Ann Dermatol Venereol** 1990;117(9):605–10 (15 ref.) (Eng. Abstr.) **(Fre)**

[Lipid pneumopathy and bronchopulmonary adenocarcinoma. Apropos of a case] Seitz B, et al. **Rev Mal Respir** 1991;8(1):107–9 (13 ref.) (Eng. Abstr.) **(Fre)**

BLOOD

[Practical usefulness of serologic tumor markers in carcinoma of the lung] González Barón M, et al. **Med Clin (Barc)** 1991 May 11;96(18):707–10 (60 ref.) **(Spa)**

CHEMICALLY INDUCED

Promotion of mouse lung tumors by bioaccumulated polychlorinated aromatic hydrocarbons. Anderson LM, et al. **Exp Lung Res** 1991 Mar–Apr;17(2):455–71 (37 ref.)

Effects of oxygen and ozone on mouse lung tumorigenesis. Witschi H. **Exp Lung Res** 1991 Mar–Apr;17(2):473–83 (51 ref.)

Interactions of xenobiotics in the respiratory tract following non-inhalation routes of exposure. Brittebo EB, et al. **Int J Epidemiol** 1990;19 Suppl 1:S24–31 (67 ref.)

Role of DNA methylation in the activation of proto-oncogenes and the induction of pulmonary neoplasia by nitrosamines. Belinsky SA, et al. **Mutat Res** 1990 Nov–Dec;233(1–2):105–16 (44 ref.)

Modulation of lung tumor development in rats, hamsters and mice. Witschi H. **Prog Exp Tumor Res** 1991;33:132–53 (85 ref.)

Crystalline silica and lung cancer: a review of recent experimental evidence. Holland LM. **Regul Toxicol Pharmacol** 1990 Dec;12(3 Pt 1):224–37 (40 ref.)

[Asbestos-induced lung diseases] Lange P, et al. **Ugeskr Laeger** 1990 Nov 19;152(47):3520–4 (30 ref.) (Eng. Abstr.) **(Dan)**

[The role of aromatic hydrocarbon hydroxylase in the pathogenesis of lung cancer] Pilarska-Machowicz A. **Pol Tyg Lek** 1990 Apr 2–9;45(14–15):303–7 (44 ref.) (Eng. Abstr.) **(Pol)**

CHEMISTRY

Clinical correlation of tumor endocrine markers in lung cancer. Teeling M, et al. **Cancer Treat Res** 1989;45:137–49 (51 ref.)

CLASSIFICATION

Observer variability studies of the WHO classification of lung cancer. Kung IT, et al. **Cancer Treat Res** 1989;45:53–69 (50 ref.)

COMPLICATIONS

Bronchial anomaly of the right upper lobe. Read R, et al. **Ann Thorac Surg** 1990 Dec;50(6):980–1 (7 ref.)

Lower extremity weakness as the initial manifestation of lung cancer [published erratum appears in Arch Phys Med Rehabil 1991 Jan;72(1):61] Rook JL, et al. **Arch Phys Med Rehabil** 1990 Nov;71(12):995–9 (22 ref.)

Localized Aspergillus infestation in primary lung carcinoma. Clinical and pathological contrasts with post-tuberculous intracavitary aspergilloma. Smith FB, et al. **Chest** 1991 Aug;100(2):554–6 (12 ref.)

Florid cutaneous papillomatosis, malignant acanthosis nigricans, and pulmonary squamous cell carcinoma. Gheeraert P, et al. **Int J Dermatol** 1991 Mar;30(3):193–7 (25 ref.)

Pneumothorax: an unusual presentation of primary bronchogenic neoplasm. Mathew A, et al. **J Ky Med Assoc** 1991 Jan;89(1):22–4 (8 ref.)

Catamenial hemoptysis: a case report and review of the literature. Guidry GG, et al. **J La State Med Soc** 1990 Nov;142(11):27–30 (16 ref.)

Malignant mesenchymoma associated with a congenital lung cyst in a child: case report and review of the literature. Domizio P, et al. **Pediatr Pathol** 1990;10(5):785–97 (23 ref.)

[Subcorneal pustular dermatosis associated with epidermoid carcinoma of the lung] Buchet S, et al. **Ann Dermatol Venereol** 1991;118(2):125–8 (9 ref.) **(Fre)**

[Acute respiratory distress caused by distal neoplastic pulmonary emboli] Vassal T, et al. **Ann Med Interne (Paris)** 1990;141(8):657–60 (24 ref.) (Eng. Abstr.) **(Fre)**

[A myelo dysplastic syndrome (refractory anemia with excess of blasts) occurred in a patient with small cell lung cancer during complete response] Hatakeyama S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Nov; 28(11):1488–93 (20 ref.) (Eng. Abstr.) **(Jpn)**

[Subacute sensory neuropathy associated with carcinoma—an autopsy case report and an analysis of Japanese cases] Yamada A, et al. **Rinsho Shinkeigaku** 1990 Aug;30(8):860–3 (13 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

The applications of imaging in lung cancer. Bragg DG. **Cancer** 1991 Feb 15;67(4 Suppl):1165–8 (18 ref.)

Advances in the diagnosis of lung tumors. Mackay B. **Cancer Treat Res** 1989;45:35–51 (22 ref.)

Immunohistochemistry of lung cancer: cell differentiation and growth properties. Shimosato Y, et al. **Cancer Treat Res** 1989;45:71–87 (43 ref.)

Lung cancer. Making the diagnosis. Lyubsky S, et al. **Chest** 1991 Aug;100(2):511–20 (108 ref.)

Pulmonary cytology. Zaman MB. **Clin Lab Med** 1991 Jun; 11(2):293–315 (14 ref.)

Diagnostic and staging procedures in non-small cell lung cancer. Ginsberg RJ, et al. **Curr Opin Oncol** 1990 Apr; 2(2):328–30 (20 ref.)

Paraneoplastic syndromes and tumor markers for small cell and non-small cell lung cancer. Hansen M. **Curr Opin Oncol** 1990 Apr;2(2):345–51 (18 ref.)

Diagnosis and staging in small cell lung cancer. Klastersky J. **Curr Opin Oncol** 1990 Apr;2(2):331–3 (14 ref.)

Screening, staging, and diagnostic investigation of non-small cell lung cancer patients. Shields TW. **Curr Opin Oncol** 1991 Apr;3(2):297–305 (57 ref.)

Non-small cell lung cancer. Part I: Biology, diagnosis, and staging. Ihde DC, et al. **Curr Probl Cancer** 1991 Mar–Apr; 15(2):61–104 (224 ref.)

Is screening for lung cancer meaningful? [editorial] Roberts CM, et al. **Eur Respir J** 1990 Sep;3(8):853–5 (17 ref.)

Diagnosing and staging of non-small cell lung cancer. Ferguson MK. **Hematol Oncol Clin North Am** 1990 Dec; 4(6):1053–68 (61 ref.)

Biological, molecular, and clinical markers for the diagnosis and typing of lung cancer. Gazdar AF, et al. **Immunol Ser** 1990;53:453–68 (72 ref.)

Pulmonary blastoma. Aggarwal P, et al. **Indian J Chest Dis Allied Sci** 1990 Jan–Mar;32(1):59–64 (17 ref.)

CT-SPECT fusion for analysis of radiolabeled antibodies: applications in gastrointestinal and lung carcinoma. Kramer EL, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):27–42 (49 ref.)

Current applications of imaging procedures in the patient with lung cancer. Bragg DG. **Int J Radiat Oncol Biol Phys** 1991 Aug;21(3):847–51 (16 ref.)

Lung cancer imaging: primary diagnosis, staging, and local recurrence. Heelan R. **Semin Oncol** 1991 Apr;18(2):87–98 (39 ref.)

[Diagnosis and prognostic assessment of bronchial cancer] Konietzko N. **Chirurg** 1990 Aug;61(8):551–7 (14 ref.) **(Ger)**

[Lambert-Eaton myasthenia syndrome—review with case report] Engler F. **Fortschr Neurol Psychiatr** 1990 Dec; 58(12):447–54 (65 ref.) (Eng. Abstr.) **(Ger)**

[Malignant tumors of lung and bronchi in children and youth. 3. Diagnosis, differential diagnosis and therapeutic approach] Wunderiich P, et al. **Kinderarztl Prax** 1990 Oct; 58(10):519–22 (18 ref.) (Eng. Abstr.) **(Ger)**

[Tumor markers, significance for clinical diagnosis] Gropp C. **Pneumologie** 1991 Apr;45(4):137–9 (11 ref.) (Eng. Abstr.) **(Ger)**

[Early diagnosis of bronchial carcinoma] Neumann G. **Pneumologie** 1990 Aug;44(8):925–42 (201 ref.) **(Ger)**

[Pericardial effusions as the initial manifestation of extracardiac tumors. A discussion of 2 cases and a review of the literature] Mammarella A, et al. **Clin Ter** 1990 Oct 15;135(1):23–30 (36 ref.) (Eng. Abstr.) **(Ita)**

[Diagnostic reflections on lung lymphangioleiomyomatosis] Franchi M, et al. **Radiol Med (Torino)** 1990 Jul–Aug; 80(1–2):29–35 (80 ref.) (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Role of systemic therapy in advanced non-small-cell lung cancer. Vokes EE, et al. **Am J Med** 1990 Dec;89(6):777–86 (89 ref.)

Recent advances in etoposide therapy for non-small cell lung cancer. Bonomi P. **Cancer** 1991 Jan 1;67(1 Suppl):254–9 (24 ref.)

Current status of etoposide in the management of small cell lung cancer. Johnson DH, et al. **Cancer** 1991 Jan 1;67(1 Suppl):231–44 (92 ref.)

Etoposide in the management of non-small cell lung cancer. Ruckdeschel JC. **Cancer** 1991 Jan 1;67(1 Suppl):250–3 (43 ref.)

Cerebellar toxicity during cytarabine therapy associated with renal insufficiency. Hasle H. **Cancer Chemother Pharmacol** 1990;27(1):76–8 (21 ref.)

Can human small-cell lung cancer cell lines be applied for optimizing chemotherapy? Roed H, et al. **Cancer Treat Res** 1989;45:151–72 (80 ref.)

Second-line chemotherapy in small cell lung cancer. Andersen M, et al. **Cancer Treat Rev** 1990 Dec;17(4):427–36 (43 ref.)

Hexamethylmelamine (altretamine) in small cell lung cancer (SCLC). Comis RL. **Cancer Treat Rev** 1991 Mar;18 Suppl A:85–90 (22 ref.)

Chemotherapy of small cell lung cancer. Hansen HH, et al. **Eur J Cancer** 1991;27(3):342–9 (54 ref.)

Chemotherapy for stage IV non-small cell lung cancer. Bitran JD, et al. **Hematol Oncol Clin North Am** 1990 Dec; 4(6):1159–68 (49 ref.)

Dose-intensity meta-analysis of chemotherapy regimens in small-cell carcinoma of the lung. Klasa RJ, et al. **J Clin Oncol** 1991 Mar;9(3):499–508 (81 ref.)

Anti-epidermal growth factor receptor monoclonal antibodies as potential anti-cancer agents. Mendelsohn J. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):889–92 (19 ref.)

Oxygen-exacerbated bleomycin pulmonary toxicity [see comments] Ingrassia TS 3d, et al. **Mayo Clin Proc** 1991 Feb;66(2):173–8 (33 ref.) Comment in: Mayo Clin Proc 1991 May;66(5):548.

Radiotherapy plus lonidamine in non-small cell lung cancer. Cionini L. **Semin Oncol** 1991 Apr;18(2 Suppl 4):49–52 (14 ref.)

The integration of platinum and radiotherapy in the treatment of lung cancer. Turrisi AT 3d. **Semin Oncol** 1991 Feb;18(1 Suppl 3):81–7 (38 ref.)

[Chemotherapy in non-small cell bronchial carcinoma. 12 years' experience in an international cooperative group: EORTC Lung Cancer Working Party] Lacroix H, et al. **Bull Cancer (Paris)** 1990;77(10):997–1005 (36 ref.) (Eng.

Abstr.) (Fre)
[Neoadjuvant chemotherapy of non-small cell bronchial cancers] Pujol JL, et al. **Presse Med** 1991 Mar 9; 20(9):418–22 (26 ref.) (Eng. Abstr.) (Fre)
[Granulo-monocyte growth factors. Their value in pneumonologic oncologic practice] Trédaniel J, et al. **Rev Mal Respir** 1991;8(1):39–44 (21 ref.) (Eng. Abstr.) (Fre)
[Current drug therapy of bronchial cancer] Drings P. **Verh Dtsch Ges Inn Med** 1990;96:228–41 (79 ref.) (Ger)
[DNA topoisomerase inhibitor as chemotherapeutic drug--clinical point of view] Taguchi T. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1574–8 (17 ref.) (Eng. Abstr.) (Jpn)
[Dose intensity chemotherapy in lung cancer] Takada M, et al. **Gan To Kagaku Ryoho** 1990 Oct;17(10):2005–12 (29 ref.) (Eng. Abstr.) (Jpn)
[A case of second-degree atrioventricular block caused by high dose cisplatin treatment] Tasaka T, et al. **Gan To Kagaku Ryoho** 1991 May;18(6):1047–50 (10 ref.) (Eng. Abstr.) (Jpn)
[Current possibilities of drug therapy of lung cancer] Borisov VI, et al. **Sov Med** 1990;(9):22–6 (32 ref.) (Rus)

EPIDEMIOLOGY

Proportion of lung and bladder cancers in males resulting from occupation: a systematic approach [see comments] Vineis P, et al. **Arch Environ Health** 1991 Jan–Feb; 46(1):6–15 (68 ref.) Comment in: Arch Environ Health 1991 Jan–Feb;46(1):5.
Lung cancer and smoking trends in the United States over the past 25 years. Garfinkel L, et al. **CA** 1991 May–Jun; 41(3):137–45 (13 ref.)
Lung cancer in developed and developing countries. Stanley K, et al. **Cancer Treat Res** 1989;45:1–14 (16 ref.)
Epidemiology, prevention, and prognostic factors in lung cancer. Miller AB. **Curr Opin Oncol** 1991 Apr;3(2):282–7 (37 ref.)
Prevention, epidemiology, and prognostic factors in lung cancer. Stanley KE. **Curr Opin Oncol** 1990 Apr;2(2):312–5 (22 ref.)
Does asbestosis increase the risk of lung cancer? Edelman DA. **Int Arch Occup Environ Health** 1990;62(5):345–9 (45 ref.)
Worldwide epidemiological patterns of lung cancer in nonsmokers. Koo LC, et al. **Int J Epidemiol** 1990;19 Suppl 1:S14–23 (72 ref.)
Methodological issues in the epidemiological investigations of lung cancer related to low-level risks. Lebowitz MD. **Int J Epidemiol** 1990;19 Suppl 1:S43–7 (36 ref.)
Environmental exposures with decreased risks for lung cancer? Rylander R. **Int J Epidemiol** 1990;19 Suppl 1:S67–72 (38 ref.)
Identification of occupational cancer risks using a population-based cancer registry. Band PR, et al. **Recent Results Cancer Res** 1990;120:106–21 (34 ref.)
Lung cancer at Groote Schuur Hospital--a local perspective [published erratum appears in S Afr Med J 1991 Jun 1;79(11):684] Willcox PA, et al. **S Afr Med J** 1990 Dec 15;78(12):716–20 (15 ref.)
[The current aspects of the epidemiology, semeiotics and treatment of lung cancer] Davydov MI, et al. **Ter Arkh** 1990;62(10):58–63 (18 ref.) (Rus)

ETIOLOGY

Positive and negative regulation of proliferation and differentiation in tracheobronchial epithelial cells. Jetten AM, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S36–9 (29 ref.)
Outdoor air pollution and lung cancer. Tomatis L. **Ann Oncol** 1991 Apr;2(4):265–7 (17 ref.)
Environmental tobacco smoke (ETS) in airliners--a health hazard evaluation. Crawford WA, et al. **Aviat Space Environ Med** 1991 Jun;62(6):580–6 (22 ref.)
The relationship between fibrosis and cancer in experimental animals exposed to asbestos and other fibers. Davis JM, et al. **Environ Health Perspect** 1990 Aug;88:305–9 (27 ref.)
Methodology issues in risk assessment for radon. Harley NH. **Environ Health Perspect** 1991 Jan;90:177–80 (16 ref.)
The mechanism of lung carcinogenesis and smoking cessation. Weisburger JH. **Epidemiology** 1990 Jul;1(4):314–7 (28 ref.)
Lung cancer and the changing cigarette. Hoffmann D, et al. **IARC Sci Publ** 1991;(105):449–59 (49 ref.)
Changes in tobacco consumption and lung cancer risk: evidence from national statistics. Lopez AD. **IARC Sci Publ** 1990;(103):57–76 (14 ref.)
Mouse skin tumours and human lung cancer: relationships with complex environmental emissions. Nesnow S. **IARC Sci Publ** 1990;(104):44–54 (41 ref.)
Changes in tobacco consumption and lung cancer risk: evidence from studies of individuals. Shopland DR. **IARC Sci Publ** 1990;(103):77–91 (38 ref.)
Estimated risk of lung cancer attributable to occupational exposures in iron and steel foundries. Tossavainen A. **IARC Sci Publ** 1990;(104):363–7 (16 ref.)
Gastrin-releasing peptide (GRP, mammalian bombesin) in the pathogenesis of lung cancer. Viallet J, et al. **Prog Growth Factor Res** 1989;1(2):89–97 (50 ref.)
Pulmonary neoplastic and lymphoproliferative disease in AIDS: a review. Heitzman ER. **Radiology** 1990 Nov; 177(2):347–51 (55 ref.)
Cancer risks due to asbestos and man-made fibres. McDonald JC. **Recent Results Cancer Res** 1990;120:122–31 (23 ref.)
Role of asbestos and other fibres in the development of diffuse malignant mesothelioma. Gibbs AR. **Thorax** 1990 Sep; 45(9):649–54 (76 ref.)
[Experimental lung carcinogenesis. Areas of application and perspectives] Masse R. **Respiration** 1990;57(3):193–209 (107 ref.) (Eng. Abstr.) (Fre)
[Role of anatomopathological studies in the evaluation of the risk of lung cancer caused by passive smoking] Faccini JM. **Rev Mal Respir** 1990;7(6):529–33 (27 ref.) (Eng. Abstr.) (Fre)
[Pulmonary and pleural localizations of Kaposi's sarcoma in AIDS] Mayaud C, et al. **Rev Pneumol Clin** 1990; 46(6):237–43 (48 ref.) (Eng. Abstr.) (Fre)
[Etiology of bronchial cancer: smoking, passive smoking, environment and occupation] Schmähl D. **Pneumologie** 1991 Apr;45(4):134–6 (7 ref.) (Eng. Abstr.) (Ger)
[Non-Hodgkin's lymphoma arising from the wall of old tuberculous empyema--a surgical case report] Ohno K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Sep; 38(9):1532–7 (19 ref.) (Eng. Abstr.) (Jpn)

GENETICS

Gene amplification in human lung cancer. The myc family genes and other proto-oncogenes and growth factor genes. Bergh JC. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S20–6 (77 ref.)
Recessive oncogenes in lung cancer. Kaye FJ, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S44–7 (48 ref.)
src expression in small-cell lung carcinoma and other neuroendocrine malignancies. Påhlman S, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S54–6 (33 ref.)
The ras oncogenes in human lung cancer. Rodenhuis S, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S27–30 (54 ref.)
Genetic strategies of tumor suppression. Sager R. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S40–3 (45 ref.)
Oncogenes and tumor suppressor genes involved in human lung carcinogenesis. Harris CC, et al. **Basic Life Sci** 1990; 53:363–79 (85 ref.)
Transitions between lung cancer phenotypes--implications for tumor progression. Mabry M, et al. **Cancer Cells** 1991 Feb;3(2):53–8 (33 ref.)
Cytogenetic abnormalities in lung cancer. Campbell L, et al. **Cancer Treat Res** 1989;45:123–36 (26 ref.)
Oncogenes and human lung cancer. Rodenhuis S. **Cancer Treat Res** 1989;45:89–106 (63 ref.)
Oncogenes and tumor suppressor genes in human lung carcinogenesis. Iman DS, et al. **Crit Rev Oncog** 1991; 2(2):161–71 (111 ref.)
Oncogenes, growth factors, and cell signaling in mouse lung tumors: an overview. Anderson MW. **Exp Lung Res** 1991 Mar–Apr;17(2):323–5 (24 ref.)
MHC and non-MHC genes in lung tumor susceptibility in the mouse: implications for the study of the different lung tumor types and their cell of origin. Oomen LC, et al. **Exp Lung Res** 1991 Mar–Apr;17(2):283–304 (61 ref.)
Role of oncogenes and tumour suppressor genes in human lung carcinogenesis. Harris CC, et al. **IARC Sci Publ** 1991; (105):294–304 (70 ref.)
The molecular biology of lung cancer. Chia MM, et al. **Med J Aust** 1991 Apr 15;154(8):501–3 (24 ref.)

IMMUNOLOGY

Immunohistochemical examination of 25 cases of Merkel cell carcinoma: a comparison with small cell carcinoma of the lung and oesophagus, and a review of the literature. Johansson L, et al. **APMIS** 1990 Aug;98(8):741–52 (45 ref.)

METABOLISM

Arachidonic acid metabolism of cytosolic fractions of Lewis lung carcinoma cells. Marnett LJ, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:895–900 (10 ref.)
An immunohistochemical study of benign clear cell ('sugar') tumor of the lung. Gal AA, et al. **Arch Pathol Lab Med** 1991 Oct;115(10):1034–8 (47 ref.)

MORTALITY

Long-term outcome of small cell lung cancer. Armstrong JG. **Cancer Treat Rev** 1990 Mar;17(1):1–13 (60 ref.)
Lung cancer and smoking prevalence in Canada. Brancker A. **Health Rep** 1990;2(1):67–83 (20 ref.) (Eng, Fre)
Definition of exposure in epidemiological studies on foundry workers. Simonato L. **IARC Sci Publ** 1990;(104):368–74 (13 ref.)

PATHOLOGY

Neuroendocrine tumours in the respiratory tract. de Bruïne AP, et al. **Acta Histochem Suppl** 1990;38:99–105 (14 ref.)
Metastatic adenocarcinoma in cerebral astrocytoma: clinicopathological and immunohistochemical study with review of the literature. Tajika Y, et al. **Acta Neurochir (Wien)** 1990;105(1–2):50–5 (18 ref.)
Angiocentric lymphoma with histologic features of neoplastic angioendotheliomatosis presenting with predominant respiratory and hematologic manifestations. Report of a case and review of the literature [see comments] Kamesaki H, et al. **Am J Clin Pathol** 1990 Dec;94(6):768–72 (15 ref.) Comment in: Am J Clin Pathol 1991 Jun;95(6):902–3.
Pleomorphic adenoma in the periphery of the lung. Report of a case and review of the literature. Sakamoto H, et al. **Arch Pathol Lab Med** 1991 Apr;115(4):393–6 (12 ref.)
The role of mediastinoscopy and anterior mediastinotomy in determining operability of lung cancer: a review of published questions and answers [see comments] Merav AD. **Cancer Invest** 1991;9(4):439–42 (36 ref.) Comment in: Cancer Invest 1991;9(4):483.
Current staging of lung cancer: an overview of current and newer approaches. Aisner J, et al. **Cancer Treat Res** 1989; 45:183–213 (97 ref.)
CNS therapy in small-cell lung cancer. Kristjansen PE, et al. **Cancer Treat Res** 1989;45:275–99 (83 ref.)
Prognostic factors in adenocarcinoma of the lung. Sørensen JB. **Cancer Treat Res** 1989;45:215–43 (64 ref.)
The significance of histology in non-small cell lung cancer. Rosenthal SA, et al. **Cancer Treat Rev** 1990 Dec; 17(4):409–25 (101 ref.)
The diagnostic yield of bronchoscopy. Dierkesmann R. **Cardiovasc Intervent Radiol** 1991 Jan–Feb;14(1):24–8 (73 ref.)
Lung cancer staging. Patterson GA. **Chest** 1991 Aug; 100(2):520–2 (26 ref.)
Imaging strategies in the staging of lung cancer. Webb WR, et al. **Clin Chest Med** 1991 Mar;12(1):133–50 (62 ref.)
Lung cancer biology. Carney DN. **Curr Opin Oncol** 1991 Apr;3(2):288–96 (33 ref.)
Pathology of lung cancer. Mackay B. **Curr Opin Oncol** 1990 Apr;2(2):316–20 (26 ref.)
Diagnosis, staging, and prognostic factors of small cell lung cancer. Stahel RA. **Curr Opin Oncol** 1991 Apr;3(2):306–11 (31 ref.)
Lung cancer staging. Shanmuganathan K, et al. **Curr Opin Radiol** 1991 Jun;3(3):351–6 (17 ref.)
Non-small cell lung cancer. Part I: Biology, diagnosis, and staging. Ihde DC, et al. **Curr Probl Cancer** 1991 Mar–Apr; 15(2):61–104 (224 ref.)
Lung cancer biology. Carney DN. **Eur J Cancer** 1991; 27(3):366–9 (30 ref.)
Pathology of non-small cell lung cancer. New diagnostic approaches. Linnoila I. **Hematol Oncol Clin North Am** 1990 Dec;4(6):1027–51 (144 ref.)
Inflammatory pseudotumor of the lung in a child with mycoplasma pneumonia. Park SH, et al. **J Korean Med Sci** 1990 Dec;5(4):213–23 (45 ref.)
Small cell lung cancer presenting as a Pancoast tumor. Lands RH, et al. **J Tenn Med Assoc** 1991 Mar;84(3):113–4 (12 ref.)
Renal oncocytoma harbouring metastatic lung carcinoma. Case report. Ben-Izhak O, et al. **Scand J Urol Nephrol** 1990;24(4):317–8 (9 ref.)
Invasive and noninvasive techniques of staging in potentially operable lung cancer. Ginsberg RJ. **Semin Surg Oncol** 1990; 6(5):244–7 (25 ref.)
Applied histochemistry and cytochemistry. Eckert H. **Z Erkr Atmungsorgane** 1991;176(2–3):122–7 (5 ref.)
Bronchoalveolar lavage. van Maarsseveen TC, et al. **Z Erkr Atmungsorgane** 1991;176(2–3):112–21 (44 ref.)
[Distal metastases of bronchial cancers. Bone and soft tissue metastases] Letanche G, et al. **Bull Cancer (Paris)** 1990; 77(10):1025–30 (16 ref.) (Eng. Abstr.) (Fre)
[Long-term survival after surgery of solitary cerebral metastasis of lung cancer. Clinical case and review of the literature] Noterman J, et al. **Neurochirurgie** 1990; 36(5):308–11 (26 ref.) (Eng. Abstr.) (Fre)
[Intestinal metastasis of pulmonary cancers. Apropos of 2 cases] Jarry O, et al. **Rev Pneumol Clin** 1990;46(6):283–6 (10 ref.) (Eng. Abstr.) (Fre)
[Muscular metastasis of primary bronchial carcinoma] Menard O, et al. **Rev Pneumol Clin** 1990;46(4):183–6 (16 ref.) (Eng. Abstr.) (Fre)
[Metastasis of pulmonary origin in a metatarsal head: differential diagnosis of an attack of gout. Literature review of bony metastases of hands and feet] Aellen P, et al. **Schweiz Rundsch Med Prax** 1991 Apr 9;80(15):387–90 (24 ref.) (Eng. Abstr.) (Fre)
[Paraneoplastic encephalomyelitis] Bergmann M, et al. **Fortschr Neurol Psychiatr** 1990 Nov;58(11):423–6 (16 ref.) (Eng. Abstr.) (Ger)
[Immunohistochemical markers in lung tumors--a status evaluation] Müller KM, et al. **Pneumologie** 1991 Apr; 45(4):140–6 (51 ref.) (Eng. Abstr.) (Ger)
[Validity of immunohistologic study techniques in lung cancers] Dämmrich J. **Verh Dtsch Ges Inn Med** 1990; 96:208–20 (68 ref.) (Ger)
[Heterogenicity of lung tumors: how useful is grading?] Müller KM, et al. **Verh Dtsch Ges Inn Med** 1990;96:220–8 (31 ref.) (Ger)
[A case of metastasis of lung cancer to renal cell carcinoma] Hibi H, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Mar; 82(3):488–91 (12 ref.) (Eng. Abstr.) (Jpn)
[Study of the relations between small cell lung cancer and the APUd system based on the analysis of clinical, biological and molecular-genetic properties] Słodkowska J. **Postepy Hig Med Dosw** 1989;43(5–6):499–510 (77 ref.) (Eng. Abstr.) (Pol)

PHYSIOPATHOLOGY

Oncogenes, growth factors, and cell signaling in mouse lung tumors: an overview. Anderson MW. **Exp Lung Res** 1991

Mar-Apr;17(2):323-5 (24 ref.)
[Metastasis of tumor cell in lymphatic circulation of the lung] Sumio N. **Kokyu To Junkan** 1991 May;39(5):425-30 (40 ref.) **(Jpn)**

PREVENTION & CONTROL

Screening for lung cancer. A critique of the Mayo Lung Project. Fontana RS, et al. **Cancer** 1991 Feb 15;67(4 Suppl):1155-64 (46 ref.)
The impact of prophylactic methods in the control of lung cancer in the U.S.A. Cullen JW. **Cancer Treat Res** 1989; 45:15-33 (33 ref.)
Prevention, epidemiology, and prognostic factors in lung cancer. Stanley KE. **Curr Opin Oncol** 1990 Apr;2(2):312-5 (22 ref.)
Protective dietary factors and lung cancer. Fontham ET. **Int J Epidemiol** 1990;19 Suppl 1:S32-42 (51 ref.)
Screening for lung cancer: effective tests awaiting effective treatment. Marfin AA, et al. **Occup Med** 1991 Jan-Mar; 6(1):111-31 (62 ref.)
[Periodic medical examination. Update 1990: 3. Interventions looking to prevent cancer of the lung using other methods than smoking cessation. The Canadian Study Group for Periodic Medical Examination] **Union Med Can** 1991 Mar-Apr;120(2):61-3 (45 ref.) **(Fre)**

PSYCHOLOGY

Psychosocial aspects of patients with lung cancer in controlled clinical trials. Kaasa S. **Cancer Treat Res** 1989; 45:325-55 (112 ref.)
Psychosocial issues in lung cancer patients (Part 1). Bernhard J, et al. **Chest** 1991 Jan;99(1):216-23 (90 ref.)
Psychosocial issues in lung cancer patients (Part 2). Bernhard J, et al. **Chest** 1991 Feb;99(2):480-5 (43 ref.)

RADIOGRAPHY

Redevelopment of small-cell lung cancer nine years after the start of therapy. A case report and review of the literature. Masuda N, et al. **Am J Clin Oncol** 1991 Aug; 14(4):322-7 (20 ref.)
Malignant fibrous histiocytoma of the lung. Marchán RF, et al. **Bol Asoc Med P R** 1990 Aug;82(8):362-3 (5 ref.)
Computed tomography of asbestos-related pulmonary parenchymal and pleural diseases. Aberle DR, et al. **Clin Chest Med** 1991 Mar;12(1):115-31 (116 ref.)
Radiographic evaluation of focal lung disease. Naidich DP, et al. **Clin Chest Med** 1991 Mar;12(1):77-95 (82 ref.)
CT of the airways. Davis SD, et al. **Clin Imaging** 1990 Oct-Dec;14(4):280-300 (71 ref.)
Detection and diagnosis of the primary tumor in lung cancer. Vincent JM, et al. **Curr Opin Radiol** 1991 Jun;3(3):341-50 (72 ref.)
What to do when an x-ray film suggests lung cancer. Petty TL. **Postgrad Med** 1991 Mar;89(4):101-4 (14 ref.)
[Value of superior angiocardiography in the evaluation of the surgical excision of bronchial cancer. Respective role compared to thoracic x-ray computed tomography] Regnard JF, et al. **Ann Chir** 1990;44(8):655-9 (15 ref.) (Eng. Abstr.) **(Fre)**
[Metastatic localization in the buccal cavity. Case report and literature review] Chossegros C, et al.
Rev Stomatol Chir Maxillofac 1991;92(3):160-4 (17 ref.) (Eng. Abstr.) **(Fre)**
[Pulmonary lymphangioleiomyomatosis. Radiologic aspects and the diagnostic role of computed tomography] Zompatori M, et al. **Radiol Med (Torino)** 1990 Sep; 80(3):286-92 (25 ref.) (Eng. Abstr.) **(Ita)**
[A case of pulmonary paraganglioma] Maemura K, et al.
Kyobu Geka 1990 Nov;43(12):991-5 (13 ref.) (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Pulmonary applications of nuclear medicine. Kramer EL, et al. **Clin Chest Med** 1991 Mar;12(1):55-75 (157 ref.)
[Nuclear medicine diagnosis in bronchial cancer] Neumann K, et al. **Med Klin** 1991 Jun 15;86(6):309-17 (94 ref.) **(Ger)**

RADIOTHERAPY

Palliative radiotherapy. Awan AM, et al.
Hematol Oncol Clin North Am 1990 Dec;4(6):1169-81 (34 ref.)
Radical radiation therapy for lung cancer. Seagren SL.
Hematol Oncol Clin North Am 1990 Dec;4(6):1093-109 (81 ref.)
Non oat cell lung carcinoma: is there a role for combined brachytherapy and external radiotherapy? Trodella L, et al. **Rays** 1991 Jan-Mar;16(1):64-70 (19 ref.) **(Eng, Ita)**
Radiotherapy plus lonidamine in non-small cell lung cancer. Cionini L. **Semin Oncol** 1991 Apr;18(2 Suppl 4):49-52 (14 ref.)
The integration of platinum and radiotherapy in the treatment of lung cancer. Turrisi AT 3d. **Semin Oncol** 1991 Feb;18(1 Suppl 3):81-7 (38 ref.)
Acute radiation-induced pulmonary injury: computed tomography evaluation. Ikezoe J, et al.
Semin Ultrasound CT MR 1990 Oct;11(5):409-16 (19 ref.)
[Radiotherapy of bronchial carcinoma] Wannenmacher M, et al. **Chirurg** 1990 Aug;61(8):565-70 (15 ref.) **(Ger)**
[The interstitial radiotherapy of lung cancer using enclosed 125I radiation sources] Anikin VA, et al.
Med Radiol (Mosk) 1990 Nov;35(11):39-41 (36 ref.) **(Rus)**

SECONDARY

Hypertrophic pulmonary osteoarthropathy in pulmonary metastatic disease. A case report and review of the literature. Davies RA, et al. **Clin Radiol** 1991 Apr; 43(4):268-71 (23 ref.)
Complete resolution of multiple pulmonary metastases of renal cell carcinoma following intravenous drip infusion of r-interleukin 2: a case report. Mizuo T, et al.
Hinyokika Kiyo 1990 Aug;36(8):931-5 (17 ref.)
Pulmonary metastasis in nevoid basal cell carcinoma syndrome. Berardi RS, et al. **Int Surg** 1991 Jan-Mar; 76(1):64-6 (27 ref.)
CT evaluation for pulmonary metastases in patients with extrathoracic malignancy. Davis SD. **Radiology** 1991 Jul; 180(1):1-12 (129 ref.)
Surgical resection of pulmonary metastases. McCormack P. **Semin Surg Oncol** 1990;6(5):297-302 (45 ref.)
Excision of pulmonary metastasis of colorectal cancer. Murray KD. **Semin Surg Oncol** 1991 May-Jun;7(3):157-61 (13 ref.)
Prognostic indicators in patients with pulmonary metastases. Putnam JB Jr, et al. **Semin Surg Oncol** 1990;6(5):291-6 (43 ref.)
[Surgery of pulmonary metastasis from malignant melanoma. Results and criteria of surgical excision] Delaunay MM, et al. **Ann Dermatol Venereol** 1991;118(4):287-95 (38 ref.) (Eng. Abstr.) **(Fre)**
[Pulmonary metastasis of malignant melanoma] Delaunay MM, et al. **Ann Dermatol Venereol** 1991;118(4):307-14 (61 ref.) **(Fre)**
[Pulmonary metastases of colorectal origin] Mouroux J, et al. **Chirurgie** 1990;116(1):53-8; discussion 58-9 (25 ref.) (Eng. Abstr.) **(Fre)**
[Long-term results after surgical treatment of lung metastases] McCormack PM, et al. **Chirurg** 1990 Aug; 61(8):578-82 (44 ref.) **(Ger)**
[Interstitial cancerous lung diseases. Lymphangiosis carcinomatosa and leukemic pulmonary infiltrates] Dinkel E, et al. **Radiologe** 1990 Dec;30(12):591-7 (22 ref.) (Eng. Abstr.) **(Ger)**
[Prostatic cancer metastasized into the kidney and kidney cancer metastasized into the lung] Tiszlavicz L, et al.
Orv Hetil 1991 Jul 14;132(28):1539-42 (30 ref.) (Eng. Abstr.) **(Hun)**
[A case of spontaneous disappearance of pulmonary metastasis of renal cell carcinoma following nephrectomy] Koike H, et al. **Hinyokika Kiyo** 1990 Dec;36(12):1443-6 (19 ref.) (Eng. Abstr.) **(Jpn)**
[Occult papillary carcinoma of the thyroid presenting as a solitary pulmonary metastasis] Sasaki H, et al.
Nippon Naibunpi Gakkai Zasshi 1991 Jun 20;67(6):655-65 (29 ref.) (Eng. Abstr.) **(Jpn)**
[Neoplastic pulmonary embolism, subacute cor pulmonale] Soares FA, et al. **Arq Bras Cardiol** 1991 Apr;56(4):317-22 (67 ref.) **(Por)**

SECRETION

Dactinomycin potentiation of radiation pneumonitis: a forgotten interaction. Cohen IJ, et al.
Pediatr Hematol Oncol 1991 Apr-Jun;8(2):187-92 (20 ref.)

SURGERY

Surgical adjuvant therapy of non-small-cell lung cancer. Holmes EC. **Cancer Treat Res** 1989;45:245-58 (20 ref.)
Surgical treatment of lung cancer. Bains MS. **Chest** 1991 Sep; 100(3):826-37 (103 ref.)
Endobronchial treatment of lung carcinoma. Jacobson MJ, et al. **Chest** 1991 Sep;100(3):838-41 (37 ref.)
Surgical techniques in the diagnosis of lung cancer. Patterson GA. **Chest** 1991 Aug;100(2):523-6 (16 ref.)
Surgical approach to non-small cell lung cancer stage I and II. Klingman RR, et al. **Hematol Oncol Clin North Am** 1990 Dec;4(6):1079-91 (30 ref.)
Surgical approach to non-small cell lung cancer stage IIIA. Martini N, et al. **Hematol Oncol Clin North Am** 1990 Dec; 4(6):1121-31 (48 ref.)
Neoadjuvant treatment in locally advanced non-small cell lung cancer. Faber LP, et al. **Semin Surg Oncol** 1990; 6(5):255-62 (27 ref.)
Surgical treatment of non-small cell lung cancer by stage. Martini N. **Semin Surg Oncol** 1990;6(5):248-54 (39 ref.)
Excision of pulmonary metastasis of colorectal cancer. Murray KD. **Semin Surg Oncol** 1991 May-Jun;7(3):157-61 (13 ref.)
[Justifications and benefits of exploratory thoracotomy in stage IIIb bronchopulmonary cancer] Bergeron P, et al. **Ann Chir** 1990;44(8):662-9 (29 ref.) (Eng. Abstr.) **(Fre)**
[Is the excision surgery of bronchial cancer in patients over 70 years of age justified?] Richelme H, et al. **Chirurgie** 1990; 116(4-5):385-93; discussion 394 (23 ref.) (Eng. Abstr.) **(Fre)**
[Surgical therapy of bronchial carcinoma] Schildberg FW, et al. **Chirurg** 1990 Aug;61(8):558-64 (17 ref.) **(Ger)**
[Operation of lung cancer] Watanabe Y. **Kyobe Geka** 1991 Jul;44(7):600-12 (200 ref.) **(Jpn)**
[Two surgical cases of synchronous double carcinoma of the lung and esophagus and review of 10 documented cases in Japan] Morimoto M, et al.
Nippon Kyobu Geka Gakkai Zasshi 1991 Feb;39(2):245-50 (9 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Concurrent radiotherapy and chemotherapy for locally advanced non-small-cell cancer of the lung. Report of a clinical trial and review of the literature. Breneman JC, et al. **Am J Clin Oncol** 1991 Feb;14(1):9-15 (31 ref.)
Lung cancer. Hansen HH, et al.
Cancer Chemother Biol Response Modif 1990;11:432-52 (117 ref.)
Late complications associated with the treatment of small-cell lung cancer. Feld R. **Cancer Treat Res** 1989; 45:301-23 (112 ref.)
Interferons and lung cancer: preclinical and clinical investigations. Fergusson RJ, et al. **Cancer Treat Res** 1989; 45:173-82 (28 ref.)
Autocrine growth factors and lung cancer. Mulshine JL, et al. **Cancer Treat Res** 1989;45:107-22 (82 ref.)
High-dose chemotherapy of small-cell lung cancer with and without bone marrow transplantation. Sculier JP, et al.
Cancer Treat Res 1989;45:259-74 (51 ref.)
Prospects for the management of non-small-cell carcinoma of the lung with monoclonal antibodies. Stein R, et al.
Chest 1991 Jun;99(6):1466-76 (94 ref.)
Workshop on consensus guidelines for management of lung cancer [see comments] **Clin Oncol (R Coll Radiol)** 1990 Mar;2(2):97-101 (13 ref.) Comment in: Clin Oncol (R Coll Radiol) 1991 Jan;3(1):51-2.
Therapy for small cell and non-small cell lung cancer. Belani CP, et al. **Curr Opin Oncol** 1990 Apr;2(2):334-44 (38 ref.)
Management of non-small cell and small cell lung cancer. Splinter TA. **Curr Opin Oncol** 1991 Apr;3(2):312-9 (34 ref.)
Non-small cell lung cancer. Part II: Treatment. Ihde DC, et al. **Curr Probl Cancer** 1991 May-Jun;15(3):105-54 (394 ref.)
Controversies in the treatment of non-small cell lung cancer. Gregor A. **Eur J Cancer** 1991;27(3):362-6 (52 ref.)
Concurrent chemotherapy and thoracic irradiation in non-small cell lung cancer. Bonomi P, et al.
Hematol Oncol Clin North Am 1990 Dec;4(6):1143-58 (47 ref.)
Supportive care of the lung cancer patients. Gradishar WJ, et al. **Hematol Oncol Clin North Am** 1990 Dec;4(6):1183-99 (59 ref.)
Postsurgical adjuvant therapy in stages I, II, and IIIA non-small cell lung cancer. Lad TE.
Hematol Oncol Clin North Am 1990 Dec;4(6):1111-9 (25 ref.)
Sequential combined modality therapy for stage III non-small cell lung cancer. Vokes EE.
Hematol Oncol Clin North Am 1990 Dec;4(6):1133-42 (35 ref.)
Current status of quality of life measurement in lung cancer patients. Hopwood P, et al. **Oncology (Williston Park)** 1991 May;5(5):159-166; discussion 166, 169, 173 (56 ref.)
Adjuvant treatment in resected lung cancer. Holmes EC.
Semin Surg Oncol 1990;6(5):263-7 (27 ref.)
[Combined radiotherapy-chemotherapy in inoperable bronchial carcinoma (small cell carcinoma excluded)] Pellae-Cosset B, et al. **Bull Cancer (Paris)** 1990; 77(8):759-67 (47 ref.) (Eng. Abstr.) **(Fre)**
[Treatment of advanced non-small cell bronchial cancer--a review of the literature of the last 5 years] Prokop A, et al. **Langenbecks Arch Chir** 1991;376(1):32-7 (34 ref.) (Eng. Abstr.) **(Ger)**
[New molecular aspects of therapy of small cell carcinoma of the lung] Rokicki W, et al. **Pol Tyg Lek** 1990 Aug 6-13; 45(32-33):680-3 (46 ref.) **(Pol)**

VETERINARY

Histogenesis of mouse lung tumors: an overview. Boorman GA, et al. **Exp Lung Res** 1991 Mar-Apr;17(2):107-9 (14 ref.)

LUNG PURPURA WITH NEPHRITIS see **GOODPASTURE'S SYNDROME**

LUNG TRANSPLANTATION

Current status of lung transplantation. Cooper JD.
Transplant Proc 1991 Aug;23(4):2107-14 (24 ref.)
[Lung transplantation] Svendsen UG, et al. **Ugeskr Laeger** 1990 Oct 1;152(40):2903-5 (2 ref.) (Eng. Abstr.) **(Dan)**
[Anesthesia in unilateral pulmonary transplantation] Moutafis M, et al. **Ann Fr Anesth Reanim** 1991;10(3):235-41 (18 ref.) (Eng. Abstr.) **(Fre)**
[Techniques involved in the protection of the lung and heart-lung for the purpose of transplantation] Le Gal YM.
Rev Mal Respir 1990;7(6):535-9 (53 ref.) (Eng. Abstr.) **(Fre)**
[Lung transplantation: the current state of knowledge] Ernst P. **Union Med Can** 1991 Mar-Apr;120(2):64-6, 101, 107 (41 ref.) (Eng. Abstr.) **(Fre)**
[Pulmonary lymphatics in lung transplantation] Kondo T, et al. **Kokyu To Junkan** 1991 May;39(5):439-43 (10 ref.) **(Jpn)**

ADVERSE EFFECTS

[Immunologic monitoring of rejection of allogeneic lung

transplant] Stikhanovskaia LD. **Vestn Akad Med Nauk SSSR** 1990;(8):54–60 (65 ref.) **(Rus)**

IMMUNOLOGY

Cardiac and lung transplantation. Mullins P, et al. **Curr Opin Immunol** 1989–90;2(6):837–41 (17 ref.)

METHODS

[Current state of lung transplantation] Schäfers HJ. **Verh Dtsch Ges Inn Med** 1990;96:490–8 (25 ref.) **(Ger)**

[Indications for lung and heart–lung transplantation] Wagner TO, et al. **Verh Dtsch Ges Inn Med** 1990;96:476–83 (5 ref.) **(Ger)**

[Current state of lung transplantation] Schilling W. **Z Erkr Atmungsorgane** 1990;175(3):111–9 (30 ref.) (Eng. Abstr.) **(Ger)**

[Transplantation of the isolated lung] Levashev IuN, et al. **Vestn Khir** 1991 Feb;146(2):142–4 (22 ref.) **(Rus)**

PATHOLOGY

Bronchoalveolar lavage in lung transplantation. Shennib H, et al. **Ann Thorac Surg** 1991 Feb;51(2):335–40 (64 ref.)

LUNG VOLUME MEASUREMENTS

Pleural pressure distribution and its relationship to lung volume and interstitial pressure. Lai-Fook SJ, et al. **J Appl Physiol** 1991 Mar;70(3):967–78 (93 ref.)

[Abnormalities of respiratory function in civil defence firefighter–submarine divers. Respective role of diving and occupational exposure related to occupational firefighter's functions] Barthelemy L, et al. **Rev Pneumol Clin** 1990; 46(6):271–6 (34 ref.) (Eng. Abstr.) **(Fre)**

[Concomitant therapy with diagnostic respiratory function in the aged] Pleger E, et al. **Z Arztl Fortbild (Jena)** 1990; 84(22):1153–6 (14 ref.) **(Ger)**

LUPUS

Primary lupus vulgaris of the pharynx (a case report). Shah A, et al. **J Postgrad Med** 1990 Apr;36(2):106–8, 108A (7 ref.)

LUPUS ERYTHEMATOSUS, CHRONIC CUTANEOUS see **LUPUS ERYTHEMATOSUS, DISCOID**

LUPUS ERYTHEMATOSUS, CUTANEOUS

CONGENITAL

Maternal autoantibodies and pregnancy--II: The neonatal lupus syndrome. Lee LA. **Baillieres Clin Rheumatol** 1990 Apr;4(1):69–84 (62 ref.)

DIAGNOSIS

["Pseudo-lupus" eruptions in a mother carrying X chromosome–linked chronic septic granulomatosis] Cuny JF, et al. **Ann Dermatol Venereol** 1990;117(10):713–8 (32 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Treatment of subacute cutaneous lupus erythematosus. Furner BB. **Int J Dermatol** 1990 Oct;29(8):542–7 (60 ref.)

IMMUNOLOGY

Pathogenesis of anti-Ro/SS-A autoantibody–associated cutaneous lupus erythematosus. Sontheimer RD, et al. **Dermatol Clin** 1990 Oct;8(4):751–8 (62 ref.)

PATHOLOGY

[Oral manifestations of skin diseases] Zucker J, et al. **J Can Dent Assoc** 1990 Sep;56(9):867–71 (20 ref.) (Eng. Abstr.) **(Fre)**

LUPUS ERYTHEMATOSUS, DISCOID

COMPLICATIONS

[Chronic lupus erythematosus and epidermoid carcinoma] de Castelbajac D, et al. **Ann Dermatol Venereol** 1990; 117(11):876–8 (9 ref.) **(Fre)**

LUPUS ERYTHEMATOSUS DISSEMINATUS see **LUPUS ERYTHEMATOSUS, SYSTEMIC**

LUPUS ERYTHEMATOSUS, SUBACUTE CUTANEOUS see **LUPUS ERYTHEMATOSUS, CUTANEOUS**

LUPUS ERYTHEMATOSUS, SYSTEMIC

NIH conference. Systemic lupus erythematosus. Steinberg AD, et al. **Ann Intern Med** 1991 Oct 1;115(7):548–59 (120 ref.)

Systemic lupus erythematosus and the maternal–fetal dyad. Buyon JP. **Baillieres Clin Rheumatol** 1990 Apr;4(1):85–103 (74 ref.)

Systemic lupus erythematosus: an unfolding saga. Marmont AM. **Clin Exp Rheumatol** 1991 Jan–Feb;9(1):99–106 (61 ref.)

Systemic lupus erythematosus and other connective tissue diseases in pregnancy. Gimovsky ML, et al. **Clin Obstet Gynecol** 1991 Mar;34(1):35–50 (63 ref.)

Systemic lupus erythematosus. Goust JM. **Immunol Ser** 1990; 50:449–63 (6 ref.)

Collagen vascular diseases of childhood. Jones EM, et al. **Pediatr Clin North Am** 1991 Aug;38(4):1019–39 (82 ref.)

Neonatal lupus erythematosus. Lee LA, et al. **Semin Dermatol** 1988 Mar;7(1):66–72 (49 ref.)

[Obstetrical anesthesia of patients with disseminated lupus erythematosus] Milhet E, et al. **Ann Fr Anesth Reanim** 1991; 10(3):242–7 (19 ref.) (Eng. Abstr.) **(Fre)**

[Systemic lupus erythematosus and pregnancy] Doria A, et al. **G Clin Med** 1990 Jun–Jul;71(6–7):443–7, 450–4 (118 ref.) **(Ita)**

[Systemic lupus erythematosus in childhood: review of the literature and personal observations on 32 cases] Bardare M, et al. **Pediatr Med Chir** 1990 Nov–Dec;12(6):577–86 (106 ref.) (Eng. Abstr.) **(Ita)**

[Systemic lupus erythematosus and pregnancy. Presentation of 2 cases and review of the literature] Livas Rodríguez S, et al. **Ginecol Obstet Mex** 1989 Jul;57:182–4 (17 ref.) (Eng. Abstr.) **(Spa)**

[Systemic lupus erythematosus: new perspectives] Hughes GR, et al. **Med Clin (Barc)** 1991 Feb 16;96(6):229–35 (51 ref.) **(Spa)**

CHEMICALLY INDUCED

Drug-related lupus syndromes and their relationship to spontaneously occurring systemic lupus erythematosus. Alarcón-Segovia D, et al. **Baillieres Clin Rheumatol** 1991 Apr;5(1):1–12 (92 ref.)

Dietary amino acid–induced systemic lupus erythematosus. Montanaro A, et al. **Rheum Dis Clin North Am** 1991 May; 17(2):323–32 (28 ref.)

Unusual complications of antithyroid drug therapy: four case reports and review of literature. Baker B, et al. **Thyroidol Clin Exp** 1989 Apr;1(1):17–26 (88 ref.)

[Lupic serology caused by sulfasalazine] Lassoued S, et al. **Rev Rhum Mal Osteoartic** 1991 Jan;58(1):63–5 (22 ref.) **(Fre)**

[Systemic lupus erythematosus induced by drugs] Parodi M. **Minerva Med** 1990 Jul–Aug;81(7–8 Suppl):97–107 (124 ref.) (Eng. Abstr.) **(Ita)**

[A case report of rheumatoid arthritis which showed acute renal failure, nephrotic syndrome and drug-related lupus-like syndrome caused by D-penicillamine] Suda M, et al. **Nippon Jinzo Gakkai Shi** 1990 Nov;32(11):1235–41 (28 ref.) (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Acute pancreatitis and systemic lupus erythematosus: necropsy of a case and review of the pancreatic vascular lesions. Serrano López MC, et al. **Am J Gastroenterol** 1991 Jun;86(6):764–7 (41 ref.)

Lower extremity arterial disease in systemic lupus erythematosus. Wheatley MJ, et al. **Arch Surg** 1991 Jan; 126(1):109–10 (11 ref.)

Systemic lupus erythematosus in a boy with chronic granulomatous disease: case report and review of the literature. Manzi S, et al. **Arthritis Rheum** 1991 Jan; 34(1):101–5 (30 ref.)

The infrequent association of systemic lupus erythematosus and solid tumors. Sulkes A, et al. **Cancer** 1991 Sep 15; 68(6):1389–93 (35 ref.)

The multiple clinical aspects of lupus. Godeau P, et al. **Clin Exp Rheumatol** 1990 Jul–Aug;8 Suppl 5:27–35 (97 ref.)

Diagnostic criteria for neuropsychiatric systemic lupus erythematosus: the results of a consensus meeting. The Ad Hoc Neuropsychiatric Lupus Workshop Group. Singer J, et al. **J Rheumatol** 1990 Oct;17(10):1397–402 (20 ref.)

Large vessel vasculitis of the central nervous system in systemic lupus erythematosus: report and review of the literature. Weiner DK, et al. **J Rheumatol** 1991 May; 18(5):748–51 (15 ref.)

Acute autonomic neuropathy associated with a high serum bradykinin level and positive anti–nuclear and anti–DNA antibodies titers. Otokida K, et al. **Jpn J Med** 1990 Sep–Oct; 29(5):560–5 (13 ref.)

Diagnosis and pathogenesis of CNS lupus. van Dam AP. **Rheumatol Int** 1991;11(1):1–11 (135 ref.)

Increased risk of neisserial infections in systemic lupus erythematosus. Mitchell SR, et al. **Semin Arthritis Rheum** 1990 Dec;20(3):174–84 (84 ref.)

Large vessel occlusion with vasculitis in systemic lupus erythematosus. Harmon SM, et al. **South Med J** 1991 Sep; 84(9):1150–4 (25 ref.)

[Necrotic ulcer patch mimicking factitious panniculitis disclosing systemic lupus erythematosus] Blanc F, et al. **Ann Dermatol Venereol** 1990;117(11):836–8 (12 ref.) **(Fre)**

[Pulmonary artery hypertension in systemic lupus erythematosus] Haas C, et al. **Ann Med Interne (Paris)** 1990; 141(4):340–4 (42 ref.) **(Fre)**

[Myocardial infarction in systemic lupus erythematosus. 7 cases in 6 patients] Lanore JJ, et al. **Ann Med Interne (Paris)** 1990;141(6):519–25 (57 ref.) (Eng. Abstr.) **(Fre)**

[Generalized status epilepticus after ingestion of ibuprofen (Brufen), disclosing systemic lupus erythematosus] Lortholary A, et al. **Rev Med Interne** 1990 May–Jun; 11(3):243–4 (12 ref.) (Eng. Abstr.) **(Fre)**

[Systemic lupus erythematosus associated with homozygous C2 deficiency. Apropos of a case report and literature review] Borradori L, et al. **Schweiz Med Wochenschr** 1991 Mar 23;121(12):418–23 (38 ref.) (Eng. Abstr.) **(Fre)**

[Acute transverse myelitis in systemic lupus erythematosus: successful therapy with cyclophosphamide and prednisone] Misteli M, et al. **Schweiz Med Wochenschr** 1991 Jan 19; 121(3):77–80 (36 ref.) (Eng. Abstr.) **(Ger)**

[Cardiac involvement in systemic lupus erythematosus] Maaravi Y, et al. **Harefuah** 1991 Feb 15;120(4):227–30 (44 ref.) **(Heb)**

[Clinicopathological studies of three cases of cerebral aneurysms associated with systemic lupus erythematosus] Kawamata T, et al. **No Shinkei Geka** 1991 Jul;19(7):633–9 (26 ref.) (Eng. Abstr.) **(Jpn)**

[Acute promyelocytic leukemia developed in the course of systemic lupus erythematosus: a case report] Taguchi F, et al. **Rinsho Ketsueki** 1990 Dec;31(12):1965–6 (5 ref.) (Eng. Abstr.) **(Jpn)**

[Primary hepatic lymphoma in a patient with autoimmune hemolytic anemia and SLE] Yoshimoto T, et al. **Rinsho Ketsueki** 1990 Nov;31(11):1878–83 (16 ref.) (Eng. Abstr.) **(Jpn)**

[A case of systemic lupus erythematosus complicated with multifocal posterior pigment epitheliopathy] Kawaguchi Y, et al. **Ryumachi** 1990 Oct;30(5):396–400, 402; discussion 400–2 (12 ref.) (Eng. Abstr.) **(Jpn)**

[Neuro-psychiatric symptoms in systemic lupus erythematosus] Kowal-Gierczak B, et al. **Psychiatr Pol** 1990 May–Jun;24(3):225–30 (36 ref.) **(Pol)**

[Neuropsychiatric disorders in systemic lupus erythematosus: a multidisciplinary review] Miguel Filho EC, et al. **Rev Paul Med** 1990 Jul–Aug;108(4):174–82 (70 ref.) (Eng. Abstr.) **(Por)**

[Lupus nephropathy in children. Based on the authors' caseload] Nieto Rey J, et al. **An Esp Pediatr** 1990 Nov; 33(5):451–6 (50 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Clinical features and complications of systemic lupus erythematosus, and assessment of disease activity. Ginzler EM. **Curr Opin Rheumatol** 1990 Oct;2(5):703–7 (34 ref.)

[Activity scores in systemic lupus erythematosus] Livneh A, et al. **Harefuah** 1991 Feb 1;120(3):134–8 (21 ref.) **(Heb)**

[Systemic lupus erythematosus] Tsunematsu T. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):399–403 (5 ref.) **(Jpn)**

DRUG THERAPY

The treatment of lupus in the 1990s. Kahn MF. **Clin Exp Rheumatol** 1990 Jul–Aug;8 Suppl 5:45–9 (16 ref.)

Prognostic impact of ACE inhibition in systemic lupus erythematosus, diabetes mellitus and chronic glomerulonephritis. Aurell M, et al. **Contrib Nephrol** 1990; 81:248–54 (17 ref.)

Lupus erythematosus and dermatomyositis. Ragsdale CG. **Curr Opin Rheumatol** 1990 Oct;2(5):804–8 (14 ref.)

Multiple dermatofibromas in patients with autoimmune disorders receiving immunosuppressive therapy. Cohen PR. **Int J Dermatol** 1991 Apr;30(4):266–70 (20 ref.)

Acute central nervous system complications after pulse steroid therapy in patients with systemic lupus erythematosus. Wysenbeek AJ, et al. **J Rheumatol** 1990 Dec;17(12):1695–6 (8 ref.)

EPIDEMIOLOGY

Systemic lupus erythematosus: epidemiological clues to aetiology. Hopkinson ND. **Br J Hosp Med** 1991 May; 45(5):291–3 (30 ref.)

Systemic lupus erythematosus. Hochberg MC. **Rheum Dis Clin North Am** 1990 Aug;16(3):617–39 (135 ref.)

ETIOLOGY

Metabolism of drugs by activated leukocytes: implications for drug-induced lupus and other drug hypersensitivity reactions. Uetrecht J. **Adv Exp Med Biol** 1991;283:121–32 (42 ref.)

Animal models of systemic lupus erythematosus and Sjögren's syndrome. Mountz J. **Curr Opin Rheumatol** 1990 Oct;2(5):740–8 (43 ref.)

Immunopathogenesis of systemic lupus erythematosus and Sjögren's syndrome. Reeves WH. **Curr Opin Rheumatol** 1990 Oct;2(5):717–23 (28 ref.)

Reactive oxygen species damage to DNA and its role in systemic lupus erythematosus. Blount S, et al. **Mol Aspects Med** 1991;12(2):93–105 (44 ref.)

GENETICS

Molecular genetics of systemic lupus erythematosus and Sjögren's syndrome. Reveille JD. **Curr Opin Rheumatol** 1990 Oct;2(5):733–9 (14 ref.)

IMMUNOLOGY

Systemic lupus erythematosus: recent developments. Marmont AM, et al. **Ann Ital Med Int** 1988;3 Suppl 1:38–52 (97 ref.)

The measurement of anti-DNA activity in the sera of patients with systemic lupus erythematosus: theoretical and practical considerations. Eilat D. **Autoimmunity** 1989; 3(4):299–306 (23 ref.)

Cytokines in the pathophysiology of systemic lupus erythematosus. Goldman M. **Autoimmunity** 1990;8(2):173–9 (94 ref.)

Molecular definition of the Ro(SSA) particle(s): a frequent target of autoimmunity in systemic lupus erythematosus and Sjögren's syndrome. Reichlin M. **Br J Rheumatol** 1991; 30 Suppl 1:58–62 (44 ref.)

Antibodies to antinuclear subsets in systemic lupus erythematosus and rheumatoid arthritis. Smolen JS, et al. **Clin Exp Rheumatol** 1990 Jul–Aug;8 Suppl 5:41–4 (23 ref.)

The role of anti-DNA idiotype antibodies in systemic lupus erythematosus. Mozes E, et al. **Crit Rev Immunol** 1990; 10(4):329–45 (177 ref.)

Lymphocyte biology in lupus. Handwerger BS. **Curr Opin Rheumatol** 1990 Oct;2(5):749–61 (63 ref.)

Complement deficiencies and abnormalities of the complement system in systemic lupus erythematosus and related disorders. Walport MJ, et al. **Curr Opin Rheumatol** 1990 Aug;2(4):661–3 (13 ref.)

Human anti-DNA idiotype (16/6 idiotype): pathogenic role in autoimmunity. Abu-Shakra M, et al. **Hum Antibodies Hybridomas** 1990;1(1):10–4 (47 ref.)

T-cell receptor V beta repertoire expression in murine models of SLE. Singer PA, et al. **Immunol Rev** 1990 Dec; 118:103–27 (83 ref.)

Theoretical and experimental approaches to generalized autoimmunity. Steinberg AD, et al. **Immunol Rev** 1990 Dec; 118:129–63 (101 ref.)

Antinuclear antibodies in systemic lupus erythematosus. Provost TT, et al. **Immunol Ser** 1989;46:333–57 (66 ref.)

Immunoregulation of autoimmune diseases. Mozes E, et al. **Isr J Med Sci** 1990 Dec;26(12):688–90 (15 ref.)

Idiotype-mediated intervention in systemic lupus erythematosus. Zouali M, et al. **J Autoimmun** 1990 Aug; 3(4):381–8 (34 ref.)

The specificity of anti-DNA antibodies in systemic lupus erythematosus. Carson DA. **J Immunol** 1991 Jan 1; 146(1):1–2 (14 ref.)

Anti-Ro(SSA) and anti-La(SSB) antibodies in lupus erythematosus and Sjögren's syndrome. Provost TT. **Keio J Med** 1991 Jun;40(2):72–7 (26 ref.)

The clinical significance of Ro (SS-A) and La (SS-B) antibodies in lupus erythematosus. Provost TT. **Semin Dermatol** 1988 Jun;7(2):130–9 (66 ref.)

Repeated intestinal ulcerations in a patient with systemic lupus erythematosus and high serum antiphospholipid antibody levels. Sasamura H, et al. **South Med J** 1991 Apr; 84(4):515–7 (7 ref.)

[Autoantibodies and the immunopathological profile of lupus erythematosus] Nikkels AF, et al. **Rev Med Liege** 1991 May;46(5):279–85 (27 ref.) **(Fre)**

[Autoimmune pathology of the thyroid gland in rheumatoid arthritis and systemic lupus erythematosus] Serebriakov VG. **Revmatologiia (Mosk)** 1991 Jan–Mar;(1):30–3 (51 ref.) **(Rus)**

MORTALITY

Prognosis of systemic lupus erythematosus and factors that affect it. Gladman DD. **Curr Opin Rheumatol** 1990 Oct; 2(5):694–702 (18 ref.)

PATHOLOGY

Mechanisms of cutaneous tissue damage in lupus erythematosus. Lee LA, et al. **Immunol Ser** 1989;46:359–86 (86 ref.)

[Kidney biopsy in systemic lupus erythematosus] Abergil A, et al. **Harefuah** 1991 Mar 15;120(6):333–6 (26 ref.) **(Heb)**

PHYSIOPATHOLOGY

Functional asplenia in systemic lupus erythematosus. Piliero P, et al. **Semin Arthritis Rheum** 1990 Dec;20(3):185–9 (15 ref.)

[The role of the central nervous system in lupus erythematosus] Pozsonyi T, et al. **Orv Hetil** 1991 May 19; 132(20):1081–2, 1085–8 (43 ref.) (Eng. Abstr.) **(Hun)**

[Involvement of blood vessels and hemodynamics in children with rheumatoid arthritis and systemic lupus erythematosus] Kvachadze IM, et al. **Pediatriia** 1991; (5):104–7 (76 ref.) **(Rus)**

THERAPY

Hemapheresis in systemic lupus erythematosus. Rifle G, et al. **Clin Exp Rheumatol** 1990 Jul–Aug;8 Suppl 5:51–5 (33 ref.)

Treatment of systemic lupus erythematosus in adults and children. Miller ML. **Curr Opin Rheumatol** 1990 Oct; 2(5):712–6 (27 ref.)

CD4 antibody therapy in systemic lupus erythematosus. Wofsy D, et al. **Semin Immunol** 1990 Nov;2(6):419–25 (44 ref.)

LUPUS GLOMERULONEPHRITIS see **LUPUS NEPHRITIS**

LUPUS NEPHRITIS

DRUG THERAPY

[Lupus nephropathy in children. Based on the authors' caseload] Nieto Rey J, et al. **An Esp Pediatr** 1990 Nov; 33(5):451–6 (50 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Treatment and monitoring of patients with lupus nephritis. Balow JE. **Nephrol Dial Transplant** 1990;5 Suppl 1:58–9 (15 ref.)

The treatment of lupus nephritis. Cameron JS. **Pediatr Nephrol** 1989 Jul;3(3):350–62 (162 ref.)

LUPUS VULGARIS see **LUPUS**

LURCHER MICE see **MICE, NEUROLOGIC MUTANTS**

LUTEAL MAINTENANCE see **CORPUS LUTEUM MAINTENANCE**

LUTEAL PHASE

Induction of ovulation for IVF and its effect on the luteal phase. Doyle MB, et al. **Ann N Y Acad Sci** 1991;626:217–27 (37 ref.)

Current treatment strategies for luteal phase deficiency. Daly DC. **Clin Obstet Gynecol** 1991 Mar;34(1):222–31 (34 ref.)

DRUG EFFECTS

Superovulation and the luteal phase. Doyle MB, et al. **Curr Opin Obstet Gynecol** 1989 Oct;1(1):91–6 (24 ref.)

PHYSIOLOGY

Endocrinology in luteal phase and implantation. Smitz J, et al. **Br Med Bull** 1990 Jul;46(3):709–19 (41 ref.)

Luteal-phase defect. Cook CL. **Clin Obstet Gynecol** 1991 Mar;34(1):198–210 (75 ref.)

Pathophysiology of luteal-phase deficiency in human reproduction. Nakajima ST, et al. **Clin Obstet Gynecol** 1991 Mar;34(1):167–79 (82 ref.)

The prevalence and epidemiology of luteal-phase deficiency in normal and infertile women. Olive DL. **Clin Obstet Gynecol** 1991 Mar;34(1):157–66 (31 ref.)

Ovulation disturbances and exercise training. Prior JC, et al. **Clin Obstet Gynecol** 1991 Mar;34(1):180–90 (33 ref.)

Menstrual function and luteal-phase deficiency in relation to weight changes and dieting. Schweiger U. **Clin Obstet Gynecol** 1991 Mar;34(1):191–7 (20 ref.)

LUTEINIZING HORMONE see **LH**

LUTEINIZING HORMONE, ALPHA SUBUNIT see **GLYCOPROTEIN HORMONES, ALPHA SUBUNIT**

LUTEINIZING HORMONE RECEPTORS see **RECEPTORS, LH**

LUTEINIZING HORMONE-RELEASING HORMONE see **GONADORELIN**

LUTEOTROPIN see **PROLACTIN**

LUTROPIN see **LH**

LUTROPIN RECEPTORS see **RECEPTORS, LH**

LUTZOMYIA see **PSYCHODIDAE**

LY ANTIGENS see **ANTIGENS, LY**

LYCINE see **BETAINE**

LYELL'S SYNDROME see **EPIDERMAL NECROLYSIS, TOXIC**

LYING

Volition, deception, and the evolution of justice. Beahrs JO. **Bull Am Acad Psychiatry Law** 1991;19(1):81–93 (54 ref.)

LYME DISEASE

Consensus conference on Lyme disease. **Can Med Assoc J** 1991 Jun 15;144(12):1627–32 (0 ref.)

Lyme disease: epidemiology, diagnosis, and management. Liu HH. **Del Med J** 1990 Nov;62(11):1351–60 (56 ref.)

Spirochetal infection of the central nervous system. Coyle PK, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):731–46 (55 ref.)

Lyme disease: the picture in Iowa. Rowley W, et al. **Iowa Med** 1991 May;81(5):215–7 (23 ref.)

The many faces and phases of borreliosis. I. Lyme disease [published erratum appears in J Am Acad Dermatol 1991 Apr;24(4):663] [see comments] Abele DC, et al. **J Am Acad Dermatol** 1990 Aug;23(2 Pt 1):167–86 (293 ref.) Comment in: J Am Acad Dermatol 1991 Apr;24(4):663.

Lyme borreliosis—a review and present situation in Japan. Carlberg H, et al. **J Dermatol** 1991 Mar;18(3):125–42 (151 ref.)

Lyme disease and related disorders. Stanek G. **Microbiol Sci** 1985 Aug;2(8):231–4 (42 ref.)

Lyme disease: the social construction of a new disease and its social consequences. Aronowitz RA. **Milbank Q** 1991; 69(1):79–112 (71 ref.)

Lyme disease: a review with emphasis on the pregnant woman. Smith LG Jr, et al. **Obstet Gynecol Surv** 1991 Mar; 46(3):125–30 (46 ref.)

Lyme borreliosis: aspects of tick-borne Borrelia burgdorferi infection from a dermatologic viewpoint. Asbrink E, et al. **Semin Dermatol** 1990 Dec;9(4):277–91 (120 ref.)

Lyme disease. Rahn DW, et al. **West J Med** 1991 Jun; 154(6):706–14 (111 ref.)

[Lyme disease: apropos of a case] García Márquez P, et al. **An Esp Pediatr** 1991 Apr;34(4):315–8 (19 ref.) **(Spa)**

COMPLICATIONS

Spirochetal arthritis, including Lyme disease. Cooke WD, et al. **Curr Opin Rheumatol** 1990 Aug;2(4):622–7 (27 ref.)

Lyme uveitis. Copeland RA Jr. **Int Ophthalmol Clin** 1990 Fall;30(4):291–3 (26 ref.)

The many faces and phases of borreliosis II. Abele DC, et al. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 1):401–10 (112 ref.)

Lyme disease: neurologic and ophthalmic manifestations. Winterkorn JM. **Surv Ophthalmol** 1990 Nov–Dec; 35(3):191–204 (81 ref.)

[The nervous system involvement in Lyme disease] Shi YC. **Chung Hua Nei Ko Tsa Chih** 1991 May;30(5):305–6 (17 ref.) **(Chi)**

[Optic neuropathy and Lyme disease] Safran AB, et al. **Bull Soc Belge Ophtalmol** 1990;236:1–9 (54 ref.) (Eng. Abstr.) **(Fre)**

[Rheumatological manifestations of Lyme disease in Switzerland] Chamot E. **Rev Med Suisse Romande** 1990 Oct;110(10):865–72 (25 ref.) **(Fre)**

[Coxitis in Lyme disease] Spahr L, et al. **Rev Med Suisse Romande** 1990 Dec;110(12):1033–8 (19 ref.) **(Fre)**

[Neurological manifestations of Lyme disease] García-Moncó JC, et al. **Enferm Infecc Microbiol Clin** 1989 Nov;7(9):501–6 (50 ref.) **(Spa)**

[Skin manifestations of infection by Borrelia burgdorferi] Soria C, et al. **Enferm Infecc Microbiol Clin** 1990 Jan; 8(1):36–42 (60 ref.) (Eng. Abstr.) **(Spa)**

[Lyme borreliosis: neurologic manifestations] García-Moncó JC, et al. **Neurologia** 1990 Nov;5(9):315–22 (100 ref.) **(Spa)**

DIAGNOSIS

Diagnosis of Lyme disease based on dermatologic manifestations. Malane MS, et al. **Ann Intern Med** 1991 Mar 15;114(6):490–8 (74 ref.)

Lyme disease: recommendations for diagnosis and treatment [see comments] Rahn DW, et al. **Ann Intern Med** 1991 Mar 15;114(6):472–81 (72 ref.) Comment in: Ann Intern Med 1991 Jun 15;114(12):1064.

The laboratory diagnosis of Lyme disease. Berg D, et al. **Arch Dermatol** 1991 Jun;127(6):866–70 (45 ref.)

Diagnosing Lyme disease: often simple, often difficult. Schutzer SE, et al. **Cutis** 1991 Apr;47(4):229–30, 232 (10 ref.)

Childhood Lyme borreliosis in Europe. Huppertz HI. **Eur J Pediatr** 1990 Sep;149(12):814–21 (101 ref.)

Lyme disease. Difficulties in diagnosis and management [published erratum appears in Pediatr Clin North Am 1991 Oct;38(5):viii] Ostrov BE, et al. **Pediatr Clin North Am** 1991 Jun;38(3):535–53 (103 ref.)

[Borrelia burgdorferi infection. I. Aspects of basic research, current approach for diagnosis and therapy] Kramer MD, et al. **Hautarzt** 1990 Dec;41(12):648–57 (75 ref.) (Eng. Abstr.) **(Ger)**

[Borrelia burgdorferi infection. II. Aspects of basic research, new approaches to diagnosis and therapy] Kramer MD, et al. **Hautarzt** 1991 Feb;42(2):63–71 (27 ref.) (Eng. Abstr.) **(Ger)**

[Anamnesis, clinical aspects and laboratory findings in juvenile "aseptic meningitis" in Lyme borreliosis—a meta-analysis] Aufricht C, et al. **Klin Padiatr** 1990 Nov–Dec;202(6):396–8 (23 ref.) (Eng. Abstr.) **(Ger)**

[Lyme disease (review of foreign literature)] Bogomolov BP, et al. **Klin Med (Mosk)** 1990 Dec;68(12):6–14 (43 ref.) **(Rus)**

[Diagnosis of Lyme disease] García-Moncó JC. **Med Clin (Barc)** 1991 Apr 13;96(14):544–8 (73 ref.) **(Spa)**

DRUG THERAPY

[Treatment of Borrelia burgdorferi infection] Oteo JA, et al. **Enferm Infecc Microbiol Clin** 1991 Jan;9(1):52–4 (34 ref.) **(Spa)**

EPIDEMIOLOGY

Lyme disease: a multifocal worldwide epidemic. Sigal LH, et al. **Annu Rev Public Health** 1991;12:85–109 (159 ref.)

[The first results and objectives of the study of Lyme disease in the USSR] Korenberg EI, et al. **Vestn Akad Med Nauk SSSR** 1990;(6):52–7 (48 ref.) (Eng. Abstr.) **(Rus)**

ETIOLOGY

Is bracken a health hazard? [see comments] Trotter WR. **Lancet** 1990 Dec 22-29;336(8730):1563-5 (20 ref.) Comment in: Lancet 1991 Feb 23;337(8739):493.

Lyme disease. Rahn DW, et al. **Rheum Dis Clin North Am** 1990 Aug;16(3):601-15 (67 ref.)

IMMUNOLOGY

Cellular immune response to Borrelia burgdorferi in patients with Lyme borreliosis. Krause A, et al. **Behring Inst Mitt** 1991 Feb;(88):52-8 (15 ref.)

MICROBIOLOGY

Lyme borreliosis. Baranton G. **Comp Immunol Microbiol Infect Dis** 1990;13(3):111-7 (41 ref.)

PATHOLOGY

Lyme disease: clinical manifestations, diagnosis, and treatment. Rahn DW. **Semin Arthritis Rheum** 1991 Feb; 20(4):201-18 (92 ref.)

PREVENTION & CONTROL

A mouse model for Borrelia burgdorferi infection: approach to a vaccine against Lyme disease. Simon MM, et al. **Immunol Today** 1991 Jan;12(1):11-6 (67 ref.)

[First isolation of Borrelia burgdorferi (Lyme spirochaeta) from ticks in Hungary] Lakos A, et al. **Orv Hetil** 1991 Jan 20;132(3):129-30, 133-4 (39 ref.) (Eng. Abstr.) **(Hun)**

THERAPY

Lyme disease: recommendations for diagnosis and treatment [see comments] Rahn DW, et al. **Ann Intern Med** 1991 Mar 15;114(6):472-81 (72 ref.) Comment in: Ann Intern Med 1991 Jun 15;114(12):1064.

TRANSMISSION

Lyme borreliosis: relation of its causative agent to its vectors and hosts in North America and Europe. Lane RS, et al. **Annu Rev Entomol** 1991;36:587-609 (129 ref.)

Consensus conference on Lyme disease. **Can Dis Wkly Rep** 1991 Mar 30;17(13):63-70 (0 ref.) **(Eng, Fre)**

Lyme disease. Buchstein SR, et al. **Infect Dis Clin North Am** 1991 Mar;5(1):103-16 (75 ref.)

[Lyme disease (borreliosis): the epidemiological importance of animal vectors and reservoirs] Suteu E. **Rev Ig [Bacteriol]** 1990 Apr-Jun;35(2):113-7 (30 ref.) **(Rum)**

[The taxonomic aspects of the transmission of the causative agent of Lyme disease] Filippova NA. **Parazitologiia** 1990 Jul-Aug;24(4):257-67 (58 ref.) (Eng. Abstr.) **(Rus)**

[Ticks and Lyme disease] Sáez S, et al. **Enferm Infecc Microbiol Clin** 1991 Feb;9(2):111-5 (17 ref.) **(Spa)**

VETERINARY

Canine Lyme borreliosis. Greene RT. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):51-64 (53 ref.)

LYMPH

CHEMISTRY

[Comparative characteristics of animal fibronectins. Physico-chemical and biological properties] Fedotov AV, et al. **Vestn Akad Med Nauk SSSR** 1991;(2):42-4 (26 ref.) **(Rus)**

METABOLISM

Lipoproteins of human peripheral lymph. Reichl D. **Eur Heart J** 1990 Aug;11 Suppl E:230-6 (40 ref.)

Lipoproteins in interstitial fluid of dogs: implications for a role in reverse cholesterol transport. Roheim PS, et al. **Eur Heart J** 1990 Aug;11 Suppl E:225-9 (10 ref.)

Is there a role for lymph in intestinal glucose absorption? Argilés JM, et al. **Med Hypotheses** 1990 Nov;33(3):169-71 (18 ref.)

PHYSIOLOGY

Mechanisms causing initial lymphatics to expand and compress to promote lymph flow. Schmid-Schönbein GW. **Arch Histol Cytol** 1990;53 Suppl:107-14 (26 ref.)

Microlymphatics and lymph flow. Schmid-Schönbein GW. **Physiol Rev** 1990 Oct;70(4):987-1028 (288 ref.)

[Lymphatic circulation of the lung: general considerations] Asakura S, et al. **Kokyu To Junkan** 1991 May;39(5):407-12 (26 ref.) **(Jpn)**

[Lung lymph composition and flow in experimental pulmonary edema] Fukushima M, et al. **Kokyu To Junkan** 1991 May;39(5):413-7 (16 ref.) **(Jpn)**

[Pulmonary lymphatics in lung transplantation] Kondo T, et al. **Kokyu To Junkan** 1991 May;39(5):439-43 (10 ref.) **(Jpn)**

[Vascular permeability and lymphatic circulation] Nagasaka Y. **Kokyu To Junkan** 1991 May;39(5):431-7 (56 ref.) **(Jpn)**

[Metastasis of tumor cell in lymphatic circulation of the lung] Sumio N. **Kokyu To Junkan** 1991 May;39(5):425-30 (40 ref.) **(Jpn)**

[Pleural effusion and circulation of the lymphatic system] Yamakido M, et al. **Kokyu To Junkan** 1991 May; 39(5):419-24 (21 ref.) **(Jpn)**

[The mechanisms of lymphangion interaction in the process of lymph movement] Gashev AA, et al. **Fiziol Zh SSSR** 1990 Nov;76(11):1489-508 (53 ref.) **(Rus)**

LYMPH NODE EXCISION

Stage I small cell carcinoma of the vulva treated with vulvectomy, lymphadenectomy, and adjuvant chemotherapy. Cliby W, et al. **Cancer** 1991 May 1; 67(9):2415-7 (22 ref.)

Pros and cons of retroperitoneal lymphadenectomy in operable renal cell carcinoma. Pizzocaro G, et al. **Eur Urol** 1990;18 Suppl 2:22-3 (7 ref.)

Radical surgery in rectal cancer patients: what does it mean today? Cavaliere R, et al. **J Surg Oncol Suppl** 1991;2:24-31 (54 ref.)

The axilla: not a no-go zone [see comments] Fentiman IS, et al. **Lancet** 1991 Jan 26;337(8735):221-3 (27 ref.) Comment in: Lancet 1991 Feb 16;337(8738):438. Comment in: Lancet 1991 Feb 23;337(8739):486-8. Comment in: Lancet 1991 Mar 16;337(8742):682.

Lymph node staging of potentially curable prostatic carcinoma. Paulson D, et al. **Prog Clin Biol Res** 1990; 357:167-84 (45 ref.)

[Radical surgery in gynecologic cancers] Burghardt E. **Gynakol Rundsch** 1990;30(4):206-13 (15 ref.) (Eng. Abstr.) **(Ger)**

[Breast saving therapy of breast cancer--indications and consequences--results of a multidisciplinary consensus conference] **Langenbecks Arch Chir** 1991;376(3):189-92 (0 ref.) **(Ger)**

[Chylous ascites after tumor nephrectomy with retroperitoneal lymphadenectomy] Eberl W, et al. **Monatsschr Kinderheilkd** 1991 Jan;139(1):47-50 (34 ref.) (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

[AIH in male infertility due to retrograde ejaculation after retroperitoneal lymph node dissection] Umekawa T, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Mar;82(3):492-5 (11 ref.) (Eng. Abstr.) **(Jpn)**

METHODS

Penile carcinoma: the case for primary lymphadenectomy. Koch MO, et al. **Cancer Treat Res** 1989;46:55-64 (22 ref.)

Modified retroperitoneal lymphadenectomy for patients with clinical stage I testicular cancer. Richie JP. **Cancer Treat Res** 1989;46:35-54 (52 ref.)

[Decision-making for lymph node excision in surgery of thyroid cancer. Extemporaneous examination of the external supraclavicular lymph nodes] Proye C, et al. **Chirurgie** 1990;116(3):290-4; discussion 294-5 (28 ref.) (Eng. Abstr.) **(Fre)**

[Functional cervical lymph node excision with section of the sternocleidomastoid muscle] Rodier D, et al. **J Chir (Paris)** 1990 Dec;127(12):604-7 (10 ref.) (Eng. Abstr.) **(Fre)**

[Breast saving therapy of breast cancer--indications and consequences. Results of a multidisciplinary consensus conference in Berlin, November 2-3, 1989] **Pathologe** 1990 Sep;11(5):316-8 (0 ref.) **(Ger)**

[Current problems and complications of extensive uterine and pelvic lymph node excision for cancer of the uterus based on a 25-year case load] Forgách J, et al. **Orv Hetil** 1990 Sep 23;131(38):2079-84 (42 ref.) (Eng. Abstr.) **(Hun)**

[Lymphadenectomy in the treatment of cancer of the uterine cervix] Clavero Núñez JA. **An R Acad Nac Med (Madr)** 1990;107(2):259-72 (26 ref.) **(Spa)**

LYMPH NODE HYPERPLASIA, GIANT see **GIANT LYMPH NODE HYPERPLASIA**

LYMPH NODE SYNDROME, MUCOCUTANEOUS see **MUCOCUTANEOUS LYMPH NODE SYNDROME**

LYMPH NODES

ABNORMALITIES

Intraparenchymal pulmonary lymph node: case report and literature review. Koslow SA, et al. **Surg Radiol Anat** 1990; 12(4):303-6 (30 ref.)

ANATOMY & HISTOLOGY

Differences between lymph node structure and function in normal and athymic rats. Fossum S. **Curr Top Pathol** 1990; 84 (Pt 1):65-83 (78 ref.)

The deep cortex of the lymph node: morphological variations and functional aspects. Sainte-Marie G, et al. **Curr Top Pathol** 1990;84 (Pt 1):33-63 (88 ref.)

CHEMISTRY

Rare earth deposits in a deceased movie projectionist. A new case of rare earth pneumoconiosis? Waring PM, et al. **Med J Aust** 1990 Dec 3-17;153(11-12):726-30 (24 ref.)

CYTOLOGY

Phenotypic characterization of macrophages in non-neoplastic lymph nodes. Bödewadt-Radzun S, et al. **Curr Top Pathol** 1990;84 (Pt 1):247-64 (26 ref.)

Immunoelectron-microscopic investigations of lymph nodes. Hansmann ML, et al. **Curr Top Pathol** 1990;84 (Pt 1):265-80 (41 ref.)

Macrophages in different compartments of the non-neoplastic lymph node. Kamperdijk EW, et al. **Curr Top Pathol** 1990;84 (Pt 1):219-45 (94 ref.)

Germinal center reaction and B lymphocytes: morphology and function. Kroese FG, et al. **Curr Top Pathol** 1990;84 (Pt 1):103-48 (223 ref.)

T lymphocytes in non-neoplastic lymph nodes. van den Oord JJ, et al. **Curr Top Pathol** 1990;84 (Pt 1):149-78 (178 ref.)

Accessory cells in normal human and rodent lymph nodes: morphology, phenotype, and functional implications. Wacker HH, et al. **Curr Top Pathol** 1990;84 (Pt 1):193-218 (102 ref.)

IMMUNOLOGY

Immunological dysregulation of lymph nodes in AIDS patients. Krueger GR, et al. **Curr Top Pathol** 1991;84 (Pt 2):157-88 (202 ref.)

[Immunohistology of Hodgkin's disease. Use of monoclonal antibodies in the analysis of the pathomorphology of Hodgkin's disease] Balázs L. **Morphol Igazsagugyi Orv Sz** 1990 Jul;30(3):182-90 (33 ref.) (Eng. Abstr.) **(Hun)**

METABOLISM

Drug depots in lymph nodes: which carrier is most appropriate? Hirnle P. **J Microencapsul** 1991 Jan-Mar; 8(1):103-19 (23 ref.)

PATHOLOGY

Fine needle aspiration cytology and immunocytochemical characterization of the histiocytes in sinus histiocytosis with massive lymphadenopathy (Rosai-Dorfman syndrome). Pettinato G, et al. **Acta Cytol** 1990 Nov-Dec;34(6):771-7 (37 ref.)

Lymph node pathology of acquired immunodeficiency syndrome (AIDS). Houn HY, et al. **Ann Clin Lab Sci** 1990 Sep-Oct;20(5):337-42 (28 ref.)

Classification of histopathological changes of lymph nodes in HIV-1 infection. Significance of Castleman's disease-like lymph node lesion concerning the diagnosis of HIV-1-related Kaposi's sarcoma. Racz P, et al. **Antibiot Chemother** 1991;43:201-13 (46 ref.)

Fine needle aspiration biopsy in the diagnosis of lymphoma. Suhrland MJ, et al. **Cancer Invest** 1991;9(1):61-8 (47 ref.)

Percutaneous lymph node biopsy. Lawrence DD, et al. **Cardiovasc Intervent Radiol** 1991 Jan-Feb;14(1):55-62 (54 ref.)

Imaging of the neck: nodal disease. Swartz JD, et al. **Crit Rev Diagn Imaging** 1991;31(3-4):413-69 (18 ref.)

Primary immunodeficiency syndromes and their manifestations in lymph nodes. Cottier H, et al. **Curr Top Pathol** 1991;84 (Pt 2):81-155 (460 ref.)

Lymph node reaction patterns in patients with AIDS or AIDS-related complex. Diebold J, et al. **Curr Top Pathol** 1991;84 (Pt 2):189-221 (106 ref.)

Reaction patterns of lymph nodes in the development and spread of cancer. Vollmer E, et al. **Curr Top Pathol** 1991; 84 (Pt 2):1-34 (66 ref.)

The lymph nodes. Reactions to experimental and human tumors. Syrjänen KJ. **Exp Pathol Suppl** 1982;8:1-123 (594 ref.)

Clinical staging and pathological correlation in colorectal cancer. Mazzeo F, et al. **J Surg Oncol Suppl** 1991;2:21-3 (18 ref.)

Adjuvant treatment of node-positive colon carcinoma with levamisole and 5-fluorouracil. Grem JL. **Oncology (Williston Park)** 1991 Mar;5(3):63-70, 73; discussion 73-4 (47 ref.)

Lymph nodes in HIV-positive drug abusers with persistent generalized lymphadenopathy: histology, immunohistochemistry, and pathogenetic correlations. Baroni CD, et al. **Prog AIDS Pathol** 1990;2:33-50 (47 ref.)

The immunohistology of lymph nodes in HIV infection: a review. Wood GS. **Prog AIDS Pathol** 1990;2:25-32 (60 ref.)

Internal mammary lymphadenopathy: imaging of a vital lymphatic pathway in breast cancer. Scatarige JC, et al. **Radiographics** 1990 Sep;10(5):857-70 (14 ref.)

[Localizing amyloidosis--lymph node] Honda T, et al. **Nippon Rinsho** 1991 Apr;49(4):923-6 (15 ref.) **(Jpn)**

[Renal angiomyolipoma with lymphatic involvement] Llarena Ibarguren R, et al. **Arch Esp Urol** 1991 Jan-Feb; 44(1):75-6 (11 ref.) (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Architecture of the lymph node with regard to its function. Castenholz A. **Curr Top Pathol** 1990;84 (Pt 1):1-32 (55 ref.)

LYMPHADENITIS

DIAGNOSIS

Necrotizing lymphadenitis: a review of clinicopathological, immunohistochemical and ultrastructural studies. Asano S, et al. **Hematol Oncol** 1990 Sep–Oct;8(5):251–60 (20 ref.)

[Histiocytic necrotizing lymphadenitis or Kikuchi and Fujimoto's disease. A case report] Ria L, et al. **Recenti Prog Med** 1991 May;82(5):278–81 (12 ref.) (Eng. Abstr.) **(Ita)**

[Clinical criteria of the diagnosis and management of various forms of toxoplasmosis] Kocięcka W. **Pol Tyg Lek** 1989 Aug 21–28;44(34–35):809–12 (30 ref.) **(Pol)**

PATHOLOGY

Histiocytic necrotizing lymphadenitis or Kikuchi's disease. Anatomo-clinical study of 4 cases. de Pree C, et al. **Nouv Rev Fr Hematol** 1990;32(4):241–7 (45 ref.)

[Histiocytic necrotizing lymphadenitis; Kikuchi's disease] Muntendam H, et al. **Ned Tijdschr Geneeskd** 1991 Mar 30; 135(13):572–4 (14 ref.) (Eng. Abstr.) **(Dut)**

LYMPHADENITIS, TUBERCULOUS see **TUBERCULOSIS, LYMPH NODE**

LYMPHADENOPATHY-ASSOCIATED ANTIBODIES see **HIV ANTIBODIES**

LYMPHADENOPATHY-ASSOCIATED ANTIGENS see **HIV ANTIGENS**

LYMPHADENOPATHY-ASSOCIATED VIRUS see **HIV**

LYMPHADENOPATHY, IMMUNOBLASTIC see **IMMUNOBLASTIC LYMPHADENOPATHY**

LYMPHADENOPATHY SYNDROME see **AIDS-RELATED COMPLEX**

LYMPHANGIECTASIS, INTESTINAL

RADIOGRAPHY

[Radiologic aspects of a case of Waldmann's disease] Guery V, et al. **J Radiol** 1990 Oct;71(10):535–8 (16 ref.) (Eng. Abstr.) **(Fre)**

LYMPHANGIOENDOTHELIOMA see **LYMPHANGIOMA**

LYMPHANGIOENDOTHELIOMA, MALIGNANT see **LYMPHANGIOSARCOMA**

LYMPHANGIOGRAPHY see **LYMPHOGRAPHY**

LYMPHANGIOLEIOMYOMA see **LYMPHANGIOMYOMA**

LYMPHANGIOMA

Posterior nuchal cystic hygroma [published erratum appears in Clin Perinatol 1990 Dec;17(4):viii] Edwards MJ, et al. **Clin Perinatol** 1990 Sep;17(3):611–40 (137 ref.)

Lymphangioma of the pancreas. Ng IO, et al. **J Gastroenterol Hepatol** 1989 May–Jun;4(3):299–302 (21 ref.)

[Cervicofacial cystic lymphangioma. Update apropos of 7 cases] Touhami M, et al. **J Chir (Paris)** 1991 Mar; 128(3):145–52 (25 ref.) (Eng. Abstr.) **(Fre)**

CONGENITAL

Congenital head and neck masses in infants and children. Part II. Guarisco JL. **Ear Nose Throat J** 1991 Feb; 70(2):75–82 (35 ref.)

DIAGNOSIS

Submandibular cystic hygroma resembling a plunging ranula in a neonate. Review and report of a case. Osborne TE, et al. **Oral Surg Oral Med Oral Pathol** 1991 Jan;71(1):16–20 (31 ref.)

PATHOLOGY

[Cystic lymphangioma of the mediastinum. 2 personal cases and a review of the literature] Bancel B, et al. **Ann Pathol** 1991;11(2):107–11 (35 ref.) (Eng. Abstr.) **(Fre)**

[Cystic cervicofacial lymphangioma] Ennouri A, et al. **Rev Stomatol Chir Maxillofac** 1990;91(5):385–9 (15 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Laser treatment of congenital vascular malformations. Landthaler M, et al. **Int Angiol** 1990 Jul–Sep;9(3):208–13 (43 ref.)

Cervical, cervicomediastinal and intrathoracic lymphangioma. Glasson MJ, et al. **Prog Pediatr Surg** 1991; 27:62–83 (51 ref.)

ULTRASONOGRAPHY

[Cystic hygroma of the neck. Antenatal diagnosis, prognostic factors, management. 42 cases] Bernard P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991;20(4):487–95 (30 ref.) (Eng. Abstr.) **(Fre)**

LYMPHANGIOMYOMA

DIAGNOSIS

[Diagnostic reflections on lung lymphangioleiomyomatosis] Franchi M, et al. **Radiol Med (Torino)** 1990 Jul–Aug; 80(1–2):29–35 (80 ref.) (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

[Pulmonary lymphangioleiomyomatosis. Radiologic aspects and the diagnostic role of computed tomography] Zompatori M, et al. **Radiol Med (Torino)** 1990 Sep; 80(3):286–92 (25 ref.) (Eng. Abstr.) **(Ita)**

LYMPHANGIOSARCOMA

THERAPY

[A case of Stewart-Treves syndrome—treatment with recombinant interleukin 2 and a review of Japanese literature] Nabeya R, et al. **Nippon Hifuka Gakkai Zasshi** 1990 Sep;100(10):1029–39 (56 ref.) (Eng. Abstr.) **(Jpn)**

LYMPHAPHERESIS see **LEUKAPHERESIS**

LYMPHATIC DISEASES

see related
CHYLOTHORAX
LEUKEMIA, LYMPHOCYTIC
LYMPHOMA

COMPLICATIONS

Sarcoidosis, "Sarcoid-like lymphadenopathy," and testicular germ cell tumors. Toner GC, et al. **Am J Med** 1990 Nov; 89(5):651–6 (37 ref.)

The spleen in the spleen syndrome: the association of splenoma with hematopoietic and neoplastic disease—compendium of cases since 1864. Steinberg JJ, et al. **J Surg Oncol** 1991 Jul;47(3):193–202 (52 ref.)

[Lymph node toxoplasmosis, recurrent autoimmune thrombopenia and Hodgkin's disease (letter)] Hauteville D, et al. **Ann Med Interne (Paris)** 1990;141(8):710–2 (15 ref.) **(Fre)**

DIAGNOSIS

Heterotopic tissue in lymph nodes. An unrecognized problem. Sawicki MP, et al. **Arch Surg** 1990 Oct; 125(10):1394–8; discussion 1398–9 (56 ref.)

Lymphadenopathy in children: a concise review. Ritchey AK. **W V Med J** 1990 Sep;86(9):402–4 (6 ref.)

ETIOLOGY

[Prominent lymphadenopathy and double Ph1 chromosomes as initial and recurrent manifestations of chronic myelogenous leukemia in blast crisis: report of a case and review of the literature] Sakai C, et al. **Rinsho Ketsueki** 1990 Sep;31(9):1506–11 (18 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

[Intraparotid lesions in HIV infection] Damiani S, et al. **Pathologica** 1990 May–Jun;82(1079):287–95 (11 ref.) (Eng. Abstr.) **(Ita)**

[Localizing amyloidosis—lymph node] Honda T, et al. **Nippon Rinsho** 1991 Apr;49(4):923–6 (15 ref.) **(Jpn)**

RADIOGRAPHY

High-resolution computed tomography in pulmonary sarcoidosis. Dawson WB, et al. **Semin Ultrasound CT MR** 1990 Oct;11(5):423–9 (18 ref.)

LYMPHATIC FILARIASIS see **ELEPHANTIASIS, FILARIAL**

LYMPHATIC IRRADIATION

Radiotherapy in the management of nodal and peritoneal metastases. Potish RA. **Cancer Treat Res** 1989;49:63–70 (26 ref.)

[Total lymph node irradiation for the treatment of autoimmune diseases] Valls A, et al. **Med Clin (Barc)** 1991 Feb 2;96(4):146–51 (97 ref.) **(Spa)**

LYMPHATIC METASTASIS

Diagnosis and management of masses in the neck, with special emphasis on metastatic malignant disease. McGuirt WF. **Oncology (Williston Park)** 1990 Aug;4(8):85–92, 97; discussion 97–8 (24 ref.)

The role of pathologic variables and hormonal treatment after radical prostatectomy for stage D1 disease. Zincke H. **Oncology (Williston Park)** 1991 Mar;5(3):129–39; discussion 139–40, 142 (37 ref.)

Internal mammary lymphadenopathy: imaging of a vital lymphatic pathway in breast cancer. Scatarige JC, et al. **Radiographics** 1990 Sep;10(5):857–70 (14 ref.)

Cervical metastases from an occult primary site. Harwick RD. **Semin Surg Oncol** 1991 Jan–Feb;7(1):2–8 (13 ref.)

Elective treatment of the neck in cancer of the oral tongue. Silver CE, et al. **Semin Surg Oncol** 1991 Jan–Feb;7(1):14–9 (47 ref.)

[Mediastinal adenopathy and cancer of the prostate] Boyer L, et al. **Rev Mal Respir** 1991;8(1):115–7 (9 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Magnetic resonance imaging vs palpation of cervical lymph node metastasis. van den Brekel MW, et al. **Arch Otolaryngol Head Neck Surg** 1991 Jun;117(6):663–73 (34 ref.)

Retroperitoneal and pelvic lymph node imaging. Castellino RA. **Cancer** 1991 Feb 15;67(4 Suppl):1219–22 (22 ref.)

Magnetic resonance imaging of metastatic cervical adenopathy. Jabour BA, et al. **Top Magn Reson Imaging** 1990 Sep;2(4):69–75 (28 ref.)

[Current status of lymphography among imaging methods] Kerner U. **Z Arztl Fortbild (Jena)** 1990;84(14):715–7 (12 ref.) **(Ger)**

PATHOLOGY

Macrophages/reticulum cells in early and late phases of lymphogenous metastasis. Vollmer E, et al. **Curr Top Pathol** 1991;84 (Pt 2):49–79 (56 ref.)

[Decision-making for lymph node excision in surgery of thyroid cancer. Extemporaneous examination of the external supraclavicular lymph nodes] Proye C, et al. **Chirurgie** 1990;116(3):290–4; discussion 294–5 (28 ref.) (Eng. Abstr.) **(Fre)**

[A case of inguinal endometriosis secondary to homolateral ovarian endometriosis] D'Amato T, et al. **Minerva Ginecol** 1990 Jul–Aug;42(7–8):325–8 (18 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

[Metastasis of tumor cell in lymphatic circulation of the lung] Sumio N. **Kokyu To Junkan** 1991 May;39(5):425–30 (40 ref.) **(Jpn)**

RADIOGRAPHY

[Lymph node metastasis of carcinoma of the cervix uteri. Role of lymphography and computerized tomography] La Fianza A, et al. **Radiol Med (Torino)** 1990 Oct;80(4):486–91 (31 ref.) (Eng. Abstr.) **(Ita)**

LYMPHATIC RADIATION THERAPY see **LYMPHATIC IRRADIATION**

LYMPHATIC SARCOMA see **LYMPHOMA, DIFFUSE**

LYMPHATIC SYSTEM

ANATOMY & HISTOLOGY

Morphological studies of the cardiac lymphatic system. Shimada T, et al. **Arch Histol Cytol** 1990;53 Suppl:115–26 (35 ref.)

Hepatic lymphatic system: structure and function. Magari S. **J Gastroenterol Hepatol** 1990 Jan–Feb;5(1):82–93 (60 ref.)

Immunological and neuropathological significance of the Virchow-Robin space. Esiri MM, et al. **J Neurol Sci** 1990 Dec;100(1–2):3–8 (69 ref.)

[Normal lymphoid tissue and primary malignant lymphomas of the gastrointestinal tract] Diebold J. **Ann Gastroenterol Hepatol (Paris)** 1991 Jan–Feb;27(1):31–5 (20 ref.) (Eng. Abstr.) **(Fre)**

[Lymphatic system of the heart. A little known field] Verginelli G. **Arq Bras Cardiol** 1990 Feb;54(2):85–7 (31 ref.) **(Por)**

CYTOLOGY

Structure and function of high endothelial postcapillary venules in lymphocyte circulation. De Bruyn PP, et al. **Curr Top Pathol** 1990;84 (Pt 1):85–101 (50 ref.)

IMMUNOLOGY

Grip and stick and the lymphatics. Ryan TJ. **Lymphology** 1990 Jun;23(2):81–4 (22 ref.)

AIDS, Kaposi sarcoma, and the lymphatic system: update and reflections. Witte MH, et al. **Lymphology** 1990 Jun; 23(2):73–80 (24 ref.)

INNERVATION

Lymphatic innervation. McHale NG. **Blood Vessels** 1990; 27(2–5):127–36 (33 ref.)

MICROBIOLOGY

Virus dissemination via the lymphomyeloid complex. Yoffey JM. **Lymphology** 1990 Jun;23(2):60–3 (18 ref.)

PATHOLOGY

Lymphatic tissue changes in AIDS and other retrovirus infections: tools and insights. Racz P, et al. **Lymphology** 1990 Jun;23(2):85–91 (35 ref.)

PHYSIOLOGY

The lymphatics and lymphoreticular tissues in relation to the action of sex hormones. Kotani M. **Arch Histol Cytol** 1990; 53 Suppl:1–76 (367 ref.)

Mechanisms causing initial lymphatics to expand and compress to promote lymph flow. Schmid-Schönbein GW. **Arch Histol Cytol** 1990;53 Suppl:107–14 (26 ref.)

Lymphatics in CAPD. Mactier RA. **Contrib Nephrol** 1990; 85:118–25 (31 ref.)

Hepatic lymphatic system: structure and function. Magari S. **J Gastroenterol Hepatol** 1990 Jan–Feb;5(1):82–93 (60 ref.)

The lymphatic edema safety factor: the role of edema dependent lymphatic factors (EDLF) [see comments] Taylor AE. **Lymphology** 1990 Sep;23(3):111–23 (31 ref.) Comment in: Lymphology 1991 Mar;24(1):2–6.

Microlymphatics and lymph flow. Schmid-Schönbein GW. **Physiol Rev** 1990 Oct;70(4):987–1028 (288 ref.)

[The mechanisms of lymphangion interaction in the process of lymph movement] Gashev AA, et al. **Fiziol Zh SSSR** 1990 Nov;76(11):1489–508 (53 ref.) **(Rus)**

RADIATION EFFECTS

[Significance of radiogenic damage for lymphology] Herpertz U. **Z Lymphol** 1990 Dec;14(2):62–7 (0 ref.) (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Antibody lymphoscintigraphy. Weinstein JN. **Cancer Treat Res** 1990;51:365–85 (50 ref.)

LYMPHEDEMA

COMPLICATIONS

[Multiple spinocellular carcinomas on chronic lymphedema. Association with vitiligo] Dandurand M, et al. **Ann Dermatol Venereol** 1990;117(12):953–6 (19 ref.) **(Fre)**

[Pleural effusion associated with primary lymphedema: a rare combination. Apropos of a case] Casado Y, et al. **Med Clin (Barc)** 1990 Jun 23;95(4):141–2 (16 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Macrophage and tissue changes in the developmental phases of secondary lymphoedema and during conservative therapy with benzopyrone. Piller NB. **Arch Histol Cytol** 1990;53 Suppl:209–18 (67 ref.)

THERAPY

[Significance of radiogenic damage for lymphology] Herpertz U. **Z Lymphol** 1990 Dec;14(2):62–7 (0 ref.) (Eng. Abstr.) **(Ger)**

LYMPHOBLASTIC LEUKEMIA see **LEUKEMIA, LYMPHOCYTIC**

LYMPHOBLASTIC LEUKEMIA, ACUTE see **LEUKEMIA, LYMPHOCYTIC, ACUTE**

LYMPHOBLASTIC LEUKEMIA, ACUTE, ADULT see **LEUKEMIA, LYMPHOCYTIC, ACUTE, L2**

LYMPHOBLASTIC LEUKEMIA, ACUTE, CHILDHOOD see **LEUKEMIA, LYMPHOCYTIC, ACUTE, L1**

LYMPHOBLASTIC LEUKEMIA, ACUTE, L1 see **LEUKEMIA, LYMPHOCYTIC, ACUTE, L1**

LYMPHOBLASTIC LEUKEMIA, ACUTE, L2 see **LEUKEMIA, LYMPHOCYTIC, ACUTE, L2**

LYMPHOBLASTIC LEUKEMIA, ACUTE, T-CELL see **LEUKEMIA, T-CELL, ACUTE**

LYMPHOBLASTIC LEUKEMIA, CHRONIC see **LEUKEMIA, LYMPHOCYTIC, CHRONIC**

LYMPHOCYTAPHERESIS see **LEUKAPHERESIS**

LYMPHOCYTE ACTIVATING FACTOR see **INTERLEUKIN-1**

LYMPHOCYTE ACTIVATION see **LYMPHOCYTE TRANSFORMATION**

LYMPHOCYTE COOPERATION

The role of IL-10 in crossregulation of TH1 and TH2 responses. Mosmann TR, et al. **Immunol Today** 1991 Mar; 12(3):A49–53 (59 ref.)

Cellular contact as a component of signaling during cognate T/B interactions. Owens T. **Res Immunol** 1990 May–Jun; 141(4–5):417–20 (14 ref.)

LYMPHOCYTE DEPLETION

Engraftment of T-cell-depleted bone marrow in murine models for allogeneic bone marrow transplantation. Reisner Y. **Cancer Treat Res** 1990;50:9–25 (44 ref.)

Immunotoxins for ex vivo bone marrow purging in human bone marrow transplantation. Vallera DA. **Cancer Treat Res** 1988;37:515–35 (82 ref.)

Alpha beta T-lymphocyte depleted mice, a model for gamma delta T-lymphocyte functional studies. Carbone A, et al. **Immunol Rev** 1991 Apr;120:35–50 (29 ref.)

Clinical basis for TBI fractionation. Cosset JM, et al. **Radiother Oncol** 1990;18 Suppl 1:60–7 (37 ref.)

B-LYMPHOCYTE DIFFERENTIATION ANTIGENS see **ANTIGENS, DIFFERENTIATION, B-LYMPHOCYTE**

LYMPHOCYTE FUNCTION-ASSOCIATED ANTIGEN-1

METABOLISM

On the mode of action of LFA-1. Figdor CG, et al. **Immunol Today** 1990 Aug;11(8):277–80 (41 ref.)

PHYSIOLOGY

Two-way signalling through the LFA-1 lymphocyte adhesion receptor. Dustin ML. **Bioessays** 1990 Sep; 12(9):421–7 (27 ref.)

Contribution of CR3, CD11b/CD18 to cytolysis by human NK cells. Klein E, et al. **Mol Immunol** 1990 Dec; 27(12):1343–7 (27 ref.)

B-LYMPHOCYTE GENE REARRANGEMENT see **GENE REARRANGEMENT, B-LYMPHOCYTE**

T-LYMPHOCYTE GENE REARRANGEMENT see **GENE REARRANGEMENT, T-LYMPHOCYTE**

B-LYMPHOCYTE HEAVY CHAIN GENE REARRANGEMENT see **GENE REARRANGEMENT, B-LYMPHOCYTE, HEAVY CHAIN**

LYMPHOCYTE HOMING RECEPTORS see **RECEPTORS, LYMPHOCYTE HOMING**

LYMPHOCYTE IMMUNOPHENOTYPING see **IMMUNOPHENOTYPING**

B-LYMPHOCYTE KAPPA CHAIN GENE REARRANGEMENT see **GENE REARRANGEMENT, B-LYMPHOCYTE, LIGHT CHAIN**

B-LYMPHOCYTE LAMBDA CHAIN GENE REARRANGEMENT see **GENE REARRANGEMENT, B-LYMPHOCYTE, LIGHT CHAIN**

B-LYMPHOCYTE LIGHT CHAIN GENE REARRANGEMENT see **GENE REARRANGEMENT, B-LYMPHOCYTE, LIGHT CHAIN**

LYMPHOCYTE MEDIATORS see **LYMPHOKINES**

LYMPHOCYTE MITOGENIC FACTOR see **INTERLEUKIN-2**

B-LYMPHOCYTE MU CHAIN GENE REARRANGEMENT see **GENE REARRANGEMENT, B-LYMPHOCYTE, HEAVY CHAIN**

LYMPHOCYTE STIMULATION see **LYMPHOCYTE TRANSFORMATION**

LYMPHOCYTE SUBPOPULATIONS see **LYMPHOCYTE SUBSETS**

LYMPHOCYTE SUBSETS

see related
IMMUNOPHENOTYPING

Immunologic classification of acute lymphoblastic leukemia. Cabrera ME. **Am J Pediatr Hematol Oncol** 1990 Fall; 12(3):283–91 (73 ref.)

Lymphocyte ontogeny and membrane markers. Goust JM. **Immunol Ser** 1990;50:173–94 (6 ref.)

Lymphocyte subsets in the blood: a diagnostic window on the lymphoid system? Westermann J, et al. **Immunol Today** 1990 Nov;11(11):406–10 (90 ref.)

[Effect of physical exercise on lymphocyte populations] Lekue JA, et al. **Sangre (Barc)** 1990 Dec;35(6):459–64 (89 ref.) **(Spa)**

IMMUNOLOGY

Lymphocyte subsets and abnormalities in retrovirally infected mice. Popp DM. **Crit Rev Immunol** 1990; 10(2):73–112 (300 ref.)

[Distribution of lymphocyte subpopulations and plasma cells in the colonic mucosa of children with ulcerative colitis] Arató A, et al. **Orv Hetil** 1990 Sep 2;131(35):1913–8 (32 ref.) (Eng. Abstr.) **(Hun)**

B-LYMPHOCYTE SUBSETS

IMMUNOLOGY

Functional role of CD44 (Pgp-1) on activated B cells. Murakami S, et al. **Immunol Res** 1991;10(1):15–27 (45 ref.)

Chagas' disease: CD5 B-cell-dependent Th2 pathology? Minoprio P. **Res Immunol** 1991 Feb;142(2):137–40 (23 ref.)

T-LYMPHOCYTE SUBSETS

Specificity and selection of gamma-delta receptor-expressing T cells. Matis L. **Immunol Res** 1991;10(1):5–14 (46 ref.)

Molecular and cellular analysis of human T lymphocytes expressing gamma delta T-cell receptor. Moretta L, et al. **Immunol Rev** 1991 Apr;120:117–35 (69 ref.)

Biology of the human gamma delta T-cell receptor. Forcelli S, et al. **Immunol Rev** 1991 Apr;120:137–83 (171 ref.)

Repertoire selection of human gamma delta T cells. Borst J, et al. **Res Immunol** 1990 Sep;141(7):663–8 (21 ref.)

CYTOLOGY

Control of gamma delta T-cell development. Raulet DH, et al. **Immunol Rev** 1991 Apr;120:185–204 (73 ref.)

Towards an integrated view of thymopoiesis. Boyd RL, et al. **Immunol Today** 1991 Feb;12(2):71–9 (363 ref.)

CD4+ T-cell subsets: regulation of differentiation and function. Coffman RL, et al. **Res Immunol** 1991 Jan; 142(1):7–9 (14 ref.)

IMMUNOLOGY

Inside the skin: the local immune and inflammatory milieu in leprosy. Scollard DM. **Am J Trop Med Hyg** 1991 Apr; 44(4 Pt 2):17–23 (36 ref.)

Human lymphocytes expressing a TCR gamma/delta. Ciccone E, et al. **Ann Ist Super Sanita** 1990;26(3–4):349–56 (37 ref.)

Immunity to mycobacteria: possible role of alpha/beta and gamma/delta T lymphocytes. Munk ME, et al. **APMIS** 1990 Aug;98(8):669–73 (27 ref.)

The effector mechanism and vaccination against cutaneous leishmaniasis. Liew FY. **Behring Inst Mitt** 1991 Feb; (88):239–43 (26 ref.)

T-cell subset relationships in thymocyte development. Scollay R. **Curr Opin Immunol** 1991 Apr;3(2):204–9 (49 ref.)

Special functional features of T-lymphocyte subpopulations in the effector compartment of the intestinal mucosa and their relation to mucosal transformation. Zeitz M, et al. **Digestion** 1990;46 Suppl 2:280–9 (39 ref.)

Immunology of interstitial lung diseases: cellular events taking place in the lung of sarcoidosis, hypersensitivity pneumonitis and HIV infection. Semenzato G. **Eur Respir J** 1991 Jan;4(1):94–102 (42 ref.)

Regulation of immunity in Trypanosoma cruzi infection. Tarleton RL. **Exp Parasitol** 1991 Jul;73(1):106–9 (16 ref.)

Immunopathology of chronic viral hepatitis. Desmet VJ. **Hepatogastroenterology** 1991 Feb;38(1):14–21 (136 ref.)

Immunodeficiency after bone marrow transplantation can be associated with autoreactive T-cell receptor gamma delta-bearing lymphocytes. Bensussan A, et al. **Immunol Rev** 1990 Aug;116:5–13 (31 ref.)

Repertoire development and ligand specificity of murine TCR gamma delta cells. Bluestone JA, et al. **Immunol Rev** 1991 Apr;120:5–33 (79 ref.)

Alpha beta T-lymphocyte depleted mice, a model for gamma delta T-lymphocyte functional studies. Carbone A, et al. **Immunol Rev** 1991 Apr;120:35–50 (29 ref.)

Self-reactive gamma delta T lymphocytes: implications for T-cell ontogeny and reactivity. Ferrick DA, et al. **Immunol Rev** 1991 Apr;120:51–69 (73 ref.)

Activation and activation-driven death of human gamma/delta T cells. Kabelitz D, et al. **Immunol Rev** 1991 Apr;120:71–88 (47 ref.)

Antigen-presenting cells for CD8+ T cells. Sprent J, et al. **Immunol Rev** 1990 Oct;117:213–34 (38 ref.)

Recognition of MHC TL gene products by gamma delta T cells. Van Kaer L, et al. **Immunol Rev** 1991 Apr;120:89–115 (98 ref.)

T-lymphocyte subsets of mouse and human. Schwartz JL, et al. **Immunol Ser** 1989;45:171–84 (69 ref.)

Regulation and biological function of helminth-induced cytokine responses. Finkelman FD, et al. **Immunol Today** 1991 Mar;12(3):A62–6 (50 ref.)

The development and function of gamma delta T cells [news] Haas W, et al. **Immunol Today** 1990 Oct;11(10):340–3 (43 ref.)

Prominence of gamma delta T cells in the ruminant immune system. Hein WR, et al. **Immunol Today** 1991 Jan;12(1):30–4 (39 ref.)

Regulation of the immune response in lymphatic filariasis and onchocerciasis. King CL, et al. **Immunol Today** 1991 Mar;12(3):A54–8 (50 ref.)

Helper T-cell subsets in mouse leishmaniasis: induction, expansion and effector function. Locksley RM, et al. **Immunol Today** 1991 Mar;12(3):A58–61 (41 ref.)

The role of IL-10 in crossregulation of TH1 and TH2 responses. Mosmann TR, et al. **Immunol Today** 1991 Mar; 12(3):A49–53 (59 ref.)

Phenotypic and functional stages in the intrathymic development of alpha beta T cells. Nikolić-Zugić J. **Immunol Today** 1991 Feb;12(2):65–70 (67 ref.)
The distinctive specificity of antigen-specific suppressor T cells. Sercarz E, et al. **Immunol Today** 1991 Apr;12(4):111–8 (72 ref.)
Lymphocyte subsets as surrogate markers in antiretroviral therapy. Bogner JR, et al. **Infection** 1991;19 Suppl 2:S103–8 (24 ref.)
Role of human circulating and tumor-infiltrating lymphocytes in cancer defense and treatment. Lotzová E. **Nat Immun Cell Growth Regul** 1990;9(4):253–64 (37 ref.)
Are TCR alpha beta cells and TCR gamma delta cells that different? Bluestone JA, et al. **Res Immunol** 1990 Sep; 141(7):606–10 (31 ref.)
The regulatory functions of CD4+ and CD8+ T-cell subsets in immune class regulation. Bretscher PA. **Res Immunol** 1991 Jan;142(1):45–50 (34 ref.)
Leishmania major infection in mice: a model system for the study of CD4+ T-cell subset differentiation. Coffman RL, et al. **Res Immunol** 1991 Jan;142(1):36–40 (14 ref.)
Do human TH1 and TH2 CD4+ clones exist? de Vries JE, et al. **Res Immunol** 1991 Jan;142(1):59–63 (31 ref.)
Induction of Th1 and Th2 CD4+ subsets during murine Leishmania major infection. Locksley RM, et al. **Res Immunol** 1991 Jan;142(1):28–32 (22 ref.)
Analysis of gamma delta T cells in ruminants reveals further heterogeneity in gamma delta T-cell features and function among species. Mackay CR, et al. **Res Immunol** 1990 Sep; 141(7):611–4 (11 ref.)
Chagas' disease: CD5 B-cell-dependent Th2 pathology? Minoprio P. **Res Immunol** 1991 Feb;142(2):137–40 (23 ref.)
Lineage relationships and functions of CD4+ T-cell subsets in the rat. Powrie F, et al. **Res Immunol** 1991 Jan; 142(1):54–8 (20 ref.)
Regulation of IgE synthesis by CD4+ human T-cell subsets. Romagnani S, et al. **Res Immunol** 1991 Jan;142(1):63–7 (23 ref.)
Macrophage activation and resistance to Trypanosoma cruzi infection. Russo N, et al. **Res Immunol** 1991 Feb; 142(2):144–6 (15 ref.)
Host and parasite factors regulating the development of CD4+ T-cell subsets in experimental cutaneous leishmaniasis. Scott P. **Res Immunol** 1991 Jan;142(1):32–6 (11 ref.)
Accessory cells control induction of CD4+ T cells with specific effector function. Stohlman SA. **Res Immunol** 1991 Jan;142(1):50–4 (26 ref.)
Regulation of the development of distinct subsets of CD4+ T cells. Swain SL. **Res Immunol** 1991 Jan;142(1):14–8 (16 ref.)
The role of T-cell subpopulations in experimental Chagas' disease. Tarleton RL. **Res Immunol** 1991 Feb;142(2):130–3 (36 ref.)
Activation of functionally distinct subsets of CD4+ T lymphocytes. Williams ME, et al. **Res Immunol** 1991 Jan; 142(1):23–8 (16 ref.)
Possible links between immune system and stress response: the role of gamma delta T lymphocytes. Born W, et al. **Semin Immunol** 1991 Jan;3(1):43–8 (35 ref.)
Cells mediating allograft rejection. Hall BM. **Transplantation** 1991 Jun;51(6):1141–51 (178 ref.)

METABOLISM

TH1 and TH2 dependent cytokines in experimental autoimmunity and immune reactions induced by chemicals. Dubey C, et al. **Eur Cytokine Netw** 1991 May-Jun; 2(3):147–52 (41 ref.)
The gamma/delta T cell receptor expressed on human peripheral blood lymphocytes. Faure F, et al. **Eur Cytokine Netw** 1990 May-Jun;1(2):65–9 (32 ref.)

PHYSIOLOGY

Functional diversity of T lymphocytes due to secretion of different cytokine patterns. Street NE, et al. **FASEB J** 1991 Feb;5(2):171–7 (55 ref.)
How T cells talk to target cells. Hollán S. **Haematologia (Budap)** 1990;23(3):129–44 (19 ref.)

LYMPHOCYTE SUBTYPING see **IMMUNOPHENOTYPING**

LYMPHOCYTE TRANSFORMATION

Mitogenic toxins as MHC class II-dependent probes for T cell antigen receptors. Fleischer B, et al. **Behring Inst Mitt** 1991 Feb;(88):170–6 (17 ref.)
Polyclonal B-cell stimulation by T-cells in a parasitic disease. Lohoff M, et al. **Behring Inst Mitt** 1991 Feb;(88):84–93 (21 ref.)
T lymphocyte activation: a biological model of signal transduction. Altman A, et al. **Crit Rev Immunol** 1990; 10(4):347–91 (568 ref.)
Signaling mechanisms in T cells. Rao A. **Crit Rev Immunol** 1991;10(6):495–519 (234 ref.)
Functional role of CD44 (Pgp-1) on activated B cells. Murakami S, et al. **Immunol Res** 1991;10(1):15–27 (45 ref.)
Activation and activation-driven death of human gamma/delta T cells. Kabelitz D, et al. **Immunol Rev** 1991 Apr;120:71–88 (47 ref.)
T-cell development and transmembrane signaling: changing biological responses through an unchanging receptor. Finkel TH, et al. **Immunol Today** 1991 Feb;12(2):79–85 (79 ref.)
Initiation of lymphocyte DNA synthesis. Coffman FD, et al. **J Cell Biochem** 1991 Jan;45(1):15–21 (48 ref.)
B lymphocyte activation: the transferrin receptor as a prototype intermediate activation molecule. Ashman RF. **J Lab Clin Med** 1990 Dec;116(6):759–65 (15 ref.)
Differential activation of murine TH1 and TH2 clones. Gajewski TF, et al. **Res Immunol** 1991 Jan;142(1):19–23 (25 ref.)
Control of B-cell activation by T-cell lymphokines. Thèze J, et al. **Res Immunol** 1990 May-Jun;141(4–5):440–3 (10 ref.)
Activation of functionally distinct subsets of CD4+ T lymphocytes. Williams ME, et al. **Res Immunol** 1991 Jan; 142(1):23–8 (16 ref.)
Chemistry and biology of the immunophilins and their immunosuppressive ligands. Schreiber SL. **Science** 1991 Jan 18;251(4991):283–7 (57 ref.)
The roles of CD4 and CD8 in T cell activation. Miceli MC, et al. **Semin Immunol** 1991 May;3(3):133–41 (68 ref.)
[Transferrin receptors in immunological response] Cardos B. **Rev Med Liege** 1991 Apr;46(4):216–24 (55 ref.) **(Fre)**

IMMUNOLOGY

Generation and characterization of T-helper cells by primary in vitro sensitization using Langerhans cells. Hauser C, et al. **Immunol Rev** 1990 Oct;117:67–84 (27 ref.)
Lymphoid dendritic accessory cells of the rat. Klinkert WE. **Immunol Rev** 1990 Oct;117:103–20 (77 ref.)
Alternative pathways of T-cell activation and positive clonal selection. Patarca R, et al. **Immunol Rev** 1990 Aug; 116:85–100 (46 ref.)
The synergy between naive and memory T cells during activation. Akbar AN, et al. **Immunol Today** 1991 Jun; 12(6):184–8 (46 ref.)
B-cell activation and HIV-1 infection: deeds and misdeeds [see comments] Amadori A, et al. **Immunol Today** 1990 Oct;11(10):374–9 (96 ref.) Comment in: Immunol Today 1991 Feb;12(2):94–5.
Phosphatidylinositol membrane anchors and T-cell activation. Robinson PJ. **Immunol Today** 1991 Jan; 12(1):35–41 (56 ref.)

PHYSIOLOGY

Role of MHC and antigens in T-cell development. Murphy KM. **Curr Opin Immunol** 1991 Feb;3(1):26–31 (40 ref.)
Accessory cell signals involved in T-cell activation. Geppert TD, et al. **Immunol Rev** 1990 Oct;117:5–66 (218 ref.)
Activation of the immune system in the testis. Pöllänen P, et al. **J Reprod Immunol** 1990 Aug;18(1):77–87 (85 ref.)
Gangliosides of T lymphocytes: evidence for a role in T-cell activation. Yuasa H, et al. **Tissue Antigens** 1990 Aug; 36(2):47–56 (81 ref.)
[Current knowledge of the mechanism of neutrophil granulocyte and macrophage activation for the formation of superoxide anions and of H2O2 and for the causes of defects in the NADPH-oxidase enzyme system involved] Kolb E. **Z Gesamte Inn Med** 1991 Apr;46(6):179–84 (40 ref.) (Eng. Abstr.) **(Ger)**

LYMPHOCYTES

see related

ANTILYMPHOCYTE SERUM

The Xlr (X-linked lymphocyte regulated) gene family (a candidate locus for an X-linked primary immune deficiency). Garchon HJ. **Immunodefic Rev** 1991; 2(4):283–302 (53 ref.)
The present state of the automated micronucleus test for lymphocytes. Tates AD, et al. **Int J Radiat Biol** 1990 Nov; 58(5):813–25 (10 ref.)
Lymphocytic adenohypophysitis: an immunohistochemical study. Hashimoto M, et al. **Surg Neurol** 1991 Aug; 36(2):137–44 (30 ref.)

CYTOLOGY

Leukocytes and resident blood cells in endometrium. Bulmer JN, et al. **Ann N Y Acad Sci** 1991;622:57–68 (41 ref.)
Peritoneal lymphocyte populations in CAPD patients. Davies SJ. **Contrib Nephrol** 1990;85:16–23 (21 ref.)
Structure and function of high endothelial postcapillary venules in lymphocyte circulation. De Bruyn PP, et al. **Curr Top Pathol** 1990;84 (Pt 1):85–101 (50 ref.)
Interactions between endothelial cells and the cells of the immune system. Cavender DE. **Int Rev Exp Pathol** 1991; 32:57–94 (248 ref.)

DRUG EFFECTS

Observations on the mechanism of action of FK-506. A pharmacologic probe of lymphocyte signal transduction. Sigal NH, et al. **Biochem Pharmacol** 1990 Nov 15; 40(10):2201–8 (55 ref.)
Effects of hydrogen peroxide on lymphocyte receptor functions: their significance in immunoregulation. Kitas GD, et al. **Mol Aspects Med** 1991;12(2):149–59 (45 ref.)

IMMUNOLOGY

Inhibition of major histocompatibility complex class I antigen shedding up-regulates the surface expression of class I antigens on the lymphocyte cell surface. Guha A, et al. **Ann N Y Acad Sci** 1991;628:354–61 (16 ref.)
Depression, the immune system, and health and illness. Findings in search of meaning. Stein M, et al. **Arch Gen Psychiatry** 1991 Feb;48(2):171–7 (66 ref.)
Lymphocyte biology in lupus. Handwerger BS. **Curr Opin Rheumatol** 1990 Oct;2(5):749–61 (63 ref.)
Lymphocyte interactions with extracellular matrix. Shimizu Y, et al. **FASEB J** 1991 Jun;5(9):2292–9 (66 ref.)
Lymphohematopoiesis: role of growth factors in leukemogenesis and therapy. Fackler MJ, et al. **Hematol Oncol Clin North Am** 1990 Aug;4(4):849–65 (97 ref.)
Were lectins primitive Fc receptors? Hajela K. **Immunol Lett** 1991 Mar;27(3):183–90 (80 ref.)
Lymphoid cell development. Hayward AR. **Immunol Ser** 1989;43:145–62 (72 ref.)
Antigen-specific immune regulation. Kapp JA, et al. **Immunol Ser** 1989;43:163–79 (39 ref.)
Clonal nature of the immune response. Scott DW. **Immunol Ser** 1989;43:127–43 (40 ref.)
AIDS pathogenesis: HIV envelope and its interaction with cell proteins. Habeshaw JA, et al. **Immunol Today** 1990 Nov;11(11):418–25 (63 ref.)
Lymphocytes play the music but the macrophage calls the tune. Solbach W, et al. **Immunol Today** 1991 Jan;12(1):4–6 (0 ref.)
Lymphocytes in the intestine: role and distribution. Azim T. **J Diarrhoeal Dis Res** 1991 Mar;9(1):1–10 (46 ref.)
Perioperative nutritional support: immunologic defects. Christou N. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct; 14(5 Suppl):186S–192S (116 ref.)
Immunomodulating properties of 1,25-dihydroxyvitamin D3. Manolagas SC, et al. **Kidney Int Suppl** 1990 Sep;29:S9–16 (65 ref.)
Lymphocyte Fc receptors: expression, regulation and function. Lynch RG, et al. **Mol Immunol** 1990 Dec; 27(12):1167–79 (88 ref.)
A murine retrovirus model for studies of the role of cofactors and ethanol in AIDS development. Watson RR. **NIDA Res Monogr** 1990;96:166–80 (22 ref.)
Lymphocytes involved in cell-mediated immune responses and methods to assess cell-mediated immunity. Lillehoj HS. **Poult Sci** 1991 May;70(5):1154–64 (71 ref.)
Lymphocytes in asthma. Kay AB. **Respir Med** 1991 Mar; 85(2):87–90 (34 ref.)
Laboratory methods in the diagnosis and prognostic staging of infection with human immunodeficiency virus type 1. Davey RT Jr, et al. **Rev Infect Dis** 1990 Sep–Oct; 12(5):912–30 (78 ref.)
The cell of origin in Hodgkin's disease. Diehl V, et al. **Semin Oncol** 1990 Dec;17(6):660–72 (116 ref.)
First Medawar prize lecture. The recirculating small lymphocyte. Gowans JL. **Transplant Proc** 1991 Feb;23(1 Pt 1):7–8 (0 ref.)
Lymphocytes in the lung---localization and kinetics. Pabst R. **Z Erkr Atmungsorgane** 1991;176(2–3):98–103 (36 ref.)
[Anesthetic drugs and the immunocompetent system: the effect on the lymphoid cell of complement and phenotype] Leonardis G, et al. **Minerva Anestesiol** 1990 Jul–Aug; 56(7–8):413–4 (7 ref.) **(Ita)**
[Biology and differentiation of lymphocytes in the classification of lymphomas] Mariuzzi G, et al. **Recenti Prog Med** 1990 Oct;81(10):621–8 (36 ref.) (Eng. Abstr.) **(Ita)**
[The relationship between the sympathetic nerves and immunocytes in the spleen] Saito H. **Kaibogaku Zasshi** 1991 Feb;66(1):8–19 (29 ref.) (Eng. Abstr.) **(Jpn)**

METABOLISM

Extrarenal receptor-effector-mechanisms for aldosterone: the sequence of effects on the cellular electrolyte transport in human lymphocytes and their implications for disorders of the water and electrolyte balances. Wehling M, et al. **Acta Endocrinol (Copenh)** 1990 Oct;123(4):385–94 (59 ref.)
The metabolism of xenobiotics and its relationship to toxicity/genotoxicity: studies with human lymphocytes. Lundgren B, et al. **Acta Physiol Scand Suppl** 1990;592:49–59 (18 ref.)
Effect of age on lymphocyte beta 2-adrenergic responsiveness. Rutledge DR, et al. **DICP** 1991 May; 25(5):532–8 (52 ref.)
Production of neuropeptides by inflammatory cells within the granulomas of murine schistosomiasis mansoni. Weinstock JV. **Eur J Clin Invest** 1991 Apr;21(2):145–53 (126 ref.)
DNA strand break metabolism in human lymphocytes: a reevaluation. Boerrigter ME. **Exp Cell Res** 1991 Sep; 196(1):1–5 (43 ref.)
Activation of the erythropoietin receptor in stable lymphoid and myeloid transfectants. D'Andrea AD, et al. **Semin Hematol** 1991 Apr;28(2):152–7 (14 ref.)
Basic mechanisms of intracellular pH homeostasis in lymphocytes. Saleh AM, et al. **Semin Nephrol** 1991 Jan; 11(1):3–15 (67 ref.)

PATHOLOGY

Experimental analysis of the metastatic phenotype of malignant leukocytes. Vanden Driessche T, et al. **Anticancer Res** 1991 Jan–Feb;11(1):49–73 (151 ref.)

Lymphocytic hypophysitis. The clinical spectrum of the disorder and evidence for an autoimmune pathogenesis [see comments] Pestell RG, et al. **Clin Endocrinol (Oxf)** 1990 Oct;33(4):457–66 (28 ref.) Comment in: Clin Endocrinol (Oxf) 1991 May;34(5):429–30.

Lymphocyte adhesion to psoriatic dermal endothelium: mechanism and modulation. Chin YH, et al. **J Invest Dermatol** 1990 Nov;95(5):29S–31S (10 ref.)

Lymphocytic interstitial pneumonia. Pitt J. **Pediatr Clin North Am** 1991 Feb;38(1):89–95 (27 ref.)

[Stem cell proliferation and differentiation of lymphopoiesis] Feller AC, et al. **Verh Dtsch Ges Pathol** 1990;74:75–92 (73 ref.) (Eng. Abstr.) **(Ger)**

[The role of endogenous endonucleases in programmed cell death] Rzepecki R, et al. **Postepy Biochem** 1991;37(1):18–23 (49 ref.) **(Pol)**

[Indicators of cell proliferation in malignant lymphoma with special reference to the nucleolus organizer region] Kroker DZh. **Gematol Transfuziol** 1990 Nov;35(11):28–34 (83 ref.) **(Rus)**

PHYSIOLOGY

The sensation and regulation of interactions with the extracellular environment: the cell biology of lymphocyte adhesion receptors. Springer TA. **Annu Rev Cell Biol** 1990; 6:359–402 (198 ref.)

Lymphocyte trafficking in inflamed liver. Volpes R, et al. **APMIS Suppl** 1991;23:53–67 (122 ref.)

The role of donor lymphoid cells in allogeneic marrow engraftment. Martin PJ. **Bone Marrow Transplant** 1990 Nov;6(5):283–9 (76 ref.)

Functional changes in immunocompetent cells induced by direct cell/membrane interactions in dialysis. Blumenstein M, et al. **Contrib Nephrol** 1990;86:111–20 (22 ref.)

The relevance of lymphoid cell migration to immunodeficiency syndromes. Hay JB, et al. **Lymphology** 1990 Jun;23(2):64–72 (78 ref.)

Muscle provides glutamine to the immune system. **Nutr Rev** 1990 Oct;48(10):390–2 (11 ref.)

Lymphocyte-homing receptors and preferential migration pathways. Chin YH, et al. **Proc Soc Exp Biol Med** 1991 Apr;196(4):374–80 (50 ref.)

Compartmentalization and kinetics of lymphoid cells in the lung [published erratum appears in Reg Immunol 1990 Mar–Apr;3(2):120] Pabst R. **Reg Immunol** 1990 Jan–Feb; 3(1):62–71 (92 ref.)

ULTRASTRUCTURE

[Cytogenetic changes in peripheral blood lymphocytes of oncology patients] Polishchuk LZ, et al. **Tsitol Genet** 1990 Nov–Dec;24(6):46–56 (103 ref.) (Eng. Abstr.) **(Rus)**

B-LYMPHOCYTES

see related
LYMPHOCYTE COOPERATION

Age-associated changes in antibody-forming cells (B cells). Schulze DH, et al. **Proc Soc Exp Biol Med** 1991 Mar; 196(3):253–9 (77 ref.)

CYTOLOGY

Suppression of bone marrow stromal cell function. Billips LG, et al. **Ann N Y Acad Sci** 1991;628:313–22 (55 ref.)

Regulation of human B-cell ontogeny. Uckun FM. **Blood** 1990 Nov 15;76(10):1908–23 (139 ref.)

Factors controlling immunoglobulin production and B cell proliferation. Fridman WH. **Bull Cancer (Paris)** 1991; 78(2):195–201 (27 ref.)

Proliferation kinetics and the lifespan of B cells in central and peripheral lymphoid organs. Osmond DG. **Curr Opin Immunol** 1991 Apr;3(2):179–85 (31 ref.)

Molecular and cellular aspects of early B-cell development. Tsubata T, et al. **Curr Opin Immunol** 1991 Apr;3(2):186–92 (44 ref.)

Germinal center reaction and B lymphocytes: morphology and function. Kroese FG, et al. **Curr Top Pathol** 1990;84 (Pt 1):103–48 (223 ref.)

Regulation of IgA B-cell development in the mucosal immune system. Strober W. **J Clin Immunol** 1990 Nov;10(6 Suppl):56S–61S; discussion 61S–63S (15 ref.)

Focusing: the dilemma of interpreting sharp images on a blurred background. Thorbecke GJ. **J Immunol** 1990 Nov 1;145(9):2779–90 (76 ref.)

Waves of B-lymphopoiesis in the establishment of the mouse B-cell compartment [editorial] Marcos MA, et al. **Scand J Immunol** 1991 Aug;34(2):129–35 (59 ref.)

[The role of HLA antigens class II in differentiation of normal and pathological B-lymphocytes. I. Normal hematopoiesis] Pluta A. **Acta Haematol Pol** 1990 Jan–Jun; 21(1):113–7 (37 ref.) **(Pol)**

DRUG EFFECTS

Regulatory effects of IL-4 on human B-cell response to IL-2. Galanaud P, et al. **Eur Cytokine Netw** 1990 May–Jun; 1(2):57–64 (48 ref.)

IMMUNOLOGY

Evaluation and management of B and T cell abnormalities. Harrison LF, et al. **Allergy Proc** 1991 Jan–Feb;12(1):25–30 (17 ref.)

Transforming growth factor-beta is a potent negative regulator of human lymphocytes. Kehrl JH, et al. **Ann N Y Acad Sci** 1991;628:345–53 (42 ref.)

Cytokines in the pathophysiology of systemic lupus erythematosus. Goldman M. **Autoimmunity** 1990;8(2):173–9 (94 ref.)

Polyclonal B-cell stimulation by T-cells in a parasitic disease. Lohoff M, et al. **Behring Inst Mitt** 1991 Feb;(88):84–93 (21 ref.)

Molecular similarities and differences between immunoglobulin and T cell receptors. Mak TW. **Behring Inst Mitt** 1990 Dec;(87):1–9 (14 ref.)

Cloning of microbial epitopes relevant for T- and B-cells. Miles MA, et al. **Behring Inst Mitt** 1991 Feb;(88):133–41 (65 ref.)

Regulation of the interleukin 4 signal in human B-lymphocytes. Finney M, et al. **Biochem Soc Trans** 1991 Apr;19(2):287–91 (9 ref.)

Cross-talk between surface immunoglobulin and interleukin-4 receptors on murine B-lymphocytes. Klaus GG, et al. **Biochem Soc Trans** 1991 Apr;19(2):272–5 (12 ref.)

Long-term proliferating early pre-B-cell lines and clones with the potential to develop to surface immunoglobulin-positive, mitogen-reactive B-cells in vitro and in vivo. Rolink A, et al. **Biochem Soc Trans** 1991 Apr; 19(2):275–6 (24 ref.)

Antigen processing and class II MHC-restricted antigen presentation in B-lymphocytes. Watts C, et al. **Biochem Soc Trans** 1991 Apr;19(2):263–5 (21 ref.)

Immunomodulatory effect of tumor necrosis factor. Bonavida B. **Biotherapy** 1991;3(2):127–33 (40 ref.)

The neuro-B cell link of peptidergic innervation in the Bursa Fabricii. Zentel HJ, et al. **Brain Behav Immun** 1991 Mar; 5(1):132–47 (56 ref.)

B-cell monoclonal antibodies and their use in clinical oncology. Freedman AS, et al. **Cancer Invest** 1991; 9(1):69–84 (144 ref.)

CD5+ B cells in autoimmune disease and lymphoid malignancy. Shirai T, et al. **Clin Immunol Immunopathol** 1991 May;59(2):173–86 (80 ref.)

B-cell selection and tolerance. Nossal GJ. **Curr Opin Immunol** 1991 Apr;3(2):193–8 (29 ref.)

B and T cell epitopes of glycoprotein D of herpes simplex virus type 1. Welling-Webster S, et al. **FEMS Microbiol Immunol** 1991 Apr;3(2):59–68 (75 ref.)

Ontogeny of normal human B-cell and T-cell precursors and its relation to leukemogenesis. LeBien TW, et al. **Hematol Oncol Clin North Am** 1990 Aug;4(4):835–47 (62 ref.)

In vitro immunization for the production of human monoclonal antibody. Koda K, et al. **Hum Antibodies Hybridomas** 1990;1(1):15–22 (130 ref.)

Regulation of B-cell tolerance and triggering by macrophages and lymphoid dendritic cells. Phipps RP, et al. **Immunol Rev** 1990 Oct;117:135–58 (49 ref.)

Follicular dendritic cells as accessory cells. Tew JG, et al. **Immunol Rev** 1990 Oct;117:185–211 (64 ref.)

Autoreactive HLA-DR-specific autoreactive T-cell clones: possible regulatory function for B lymphocytes and hematopoietic precursors. Tilkin AF, et al. **Immunol Rev** 1990 Aug;116:171–81 (27 ref.)

Signalling in B cells. Alés-Martínez JE, et al. **Immunol Today** 1991 Jun;12(6):201–5 (52 ref.)

B-cell activation and HIV-1 infection: deeds and misdeeds [see comments] Amadori A, et al. **Immunol Today** 1990 Oct;11(10):374–9 (96 ref.) Comment in: Immunol Today 1991 Feb;12(2):94–5.

To B, or not to B: that is the question. Gallagher RB, et al. **Immunol Today** 1991 Jan;12(1):1–3 (5 ref.)

The efficiency of antibody affinity maturation: can the rate of B-cell division be limiting? [see comments] Manser T. **Immunol Today** 1990 Sep;11(9):305–8 (35 ref.) Comment in: Immunol Today 1991 Feb;12(2):93–4.

Cognate interactions between helper T cells and B cells. Noelle RJ, et al. **Immunol Today** 1990 Oct;11(10):361–8 (78 ref.)

Cell lineage-specific and developmental stage-specific controls of MHC class-II-antigen expression. Accolla RS, et al. **Int J Cancer Suppl** 1991;6:20–5 (25 ref.)

B lymphocyte activation: the transferrin receptor as a prototype intermediate activation molecule. Ashman RF. **J Lab Clin Med** 1990 Dec;116(6):759–65 (15 ref.)

Cellular immune responses to hepatitis B virus antigens in man. Sylvan SP. **Liver** 1991 Feb;11(1):1–23 (255 ref.)

Beswitched. The looping out model for immunoglobulin class switching. von Schwedler U, et al. **New Biol** 1990 Aug; 2(8):657–62 (32 ref.)

Evidence that the B lymphocyte proliferating in B-CLL and in other B-cell malignancies is frequently committed to production of natural autoantibodies. Dighiero G, et al. **Nouv Rev Fr Hematol** 1990;32(5):323–6 (27 ref.)

CD5+ B lymphocytes. Kasaian MT, et al. **Proc Soc Exp Biol Med** 1991 Jul;197(3):226–41 (154 ref.)

Molecular analysis of germinal centre B cells. Apel M, et al. **Res Immunol** 1991 Mar–Apr;142(3):220–2 (15 ref.)

Cognate T helper cell/B cell interaction in man. Crow MK, et al. **Res Immunol** 1990 May–Jun;141(4–5):427–30 (15 ref.)

A postulated role for the induction of bystander resting B-cell differentiation. Julius MH. **Res Immunol** 1990 May–Jun;141(4–5):443–6 (16 ref.)

B-cell proliferation and differentiation mediated by Th-cell membranes and lymphokines. Kehry MR, et al. **Res Immunol** 1990 May–Jun;141(4–5):421–3 (14 ref.)

The induction of human B-cell activation, proliferation and differentiation by anti-CD3-stimulated T cells--a model of T cell/B cell collaboration. Lipsky PE. **Res Immunol** 1990 May–Jun;141(4–5):424–7 (14 ref.)

Contact-dependent B-cell activation by helper T cells. Marshall LS, et al. **Res Immunol** 1990 May–Jun; 141(4–5):412–7 (26 ref.)

How does the helper T cell activate the resting B cell when it recognizes antigen on the B-cell surface? Parker DC. **Res Immunol** 1990 May–Jun;141(4–5):405–7 (7 ref.)

Delivery of the major growth stimulus to resting B cells. Snow EC, et al. **Res Immunol** 1990 May–Jun; 141(4–5):408–12 (45 ref.)

Critical role of cognate interactions in the response of small, high-density B cells. Swain SL, et al. **Res Immunol** 1990 May–Jun;141(4–5):431–40 (31 ref.)

Memory B cells and germinal centres. Tsiagbe VK, et al. **Res Immunol** 1991 Mar–Apr;142(3):268–72 (59 ref.)

Structure of viral B-cell epitopes. Van Regenmortel MH. **Res Microbiol** 1990 Sep–Oct;141(7–8):747–56 (45 ref.)

The antigen processing pathway in B lymphocytes. Watts C, et al. **Semin Immunol** 1990 Jul;2(4):247–53 (25 ref.)

[Mollaret benign recurrent aseptic meningitis. Case report, results of cerebrospinal fluid cytology and review of the literature] Bamborschke S, et al. **Nervenarzt** 1990 Oct; 61(10):615–9 (29 ref.) (Eng. Abstr.) **(Ger)**

[Morpho-functional interrelations in the development of immunologic memory] Liashchenko KP. **Fiziol Zh** 1990 Nov–Dec;36(6):107–15 (76 ref.) (Eng. Abstr.) **(Rus)**

METABOLISM

Extracellular ATP metabolism in B and T lymphocytes. Barankiewicz J, et al. **Ann N Y Acad Sci** 1990;603:380–92; discussion 393 (65 ref.)

Oxygen radical production by transformed B lymphocytes. Jones OT, et al. **Mol Aspects Med** 1991;12(2):87–92 (26 ref.)

Receptors for IgA and IgE on T and B lymphocytes: development, regulation and function. Lynch RG, et al. **Res Immunol** 1990 Mar–Apr;141(3):241–8 (53 ref.)

PATHOLOGY

Cellular abnormalities in common variable immunodeficiency. Spickett GP, et al. **Immunodefic Rev** 1990;2(3):199–219 (108 ref.)

The immunohistology of lymph nodes in HIV infection: a review. Wood GS. **Prog AIDS Pathol** 1990;2:25–32 (60 ref.)

[The role of HLA antigens class II in differentiation of normal and pathological B-lymphocytes. II. HLA-D expression in leukemia and non-Hodgkin's lymphoma] Pluta A. **Acta Haematol Pol** 1990 Jan–Jun;21(1):118–23 (37 ref.) **(Pol)**

PHYSIOLOGY

Autocrine regulation of normal and malignant B lymphocytes. Gordon J, et al. **Adv Cancer Res** 1991; 56:313–34 (83 ref.)

Expression of a negative regulator of human erythropoiesis by fluidized lymphocyte plasma membranes. Dainiak N, et al. **Ann N Y Acad Sci** 1991;628:212–21 (33 ref.)

The potential role of B-lymphocytes in the pathogenesis of rheumatoid arthritis. Andrew EM, et al. **Br J Rheumatol** 1991;30 Suppl 1:47–52 (53 ref.)

Factors controlling immunoglobulin production and B cell proliferation. Fridman WH. **Bull Cancer (Paris)** 1991; 78(2):195–201 (27 ref.)

Human B lymphocytes mature. Gordon J. **Clin Exp Immunol** 1991 Jun;84(3):373–5 (23 ref.)

Sjögren's syndrome: an oligo-monoclonal B cell process. Tzioufas AG, et al. **Clin Exp Rheumatol** 1990 Jul–Aug;8 Suppl 5:17–21 (44 ref.)

A function for Ly-1+ B cells. Hardin JA, et al. **Proc Soc Exp Biol Med** 1990 Nov;195(2):172–82 (67 ref.)

T-LYMPHOCYTES

see related
IMMUNITY, CELLULAR
LYMPHOCYTE COOPERATION

Substance P innervation of spleen in rats: nerve fibers associate with lymphocytes and macrophages in specific compartments of the spleen. Lorton D, et al. **Brain Behav Immun** 1991 Mar;5(1):29–40 (77 ref.)

Propagation and characterization of lymphocytes from transplant biopsies. Duquesnoy RJ, et al. **Crit Rev Immunol** 1991;10(6):455–80 (284 ref.)

Limiting dilution analysis of human T cells: a useful clinical tool [see comments] Sharrock CE, et al. **Immunol Today** 1990 Aug;11(8):281–6 (40 ref.) Comment in: Immunol Today 1990 Dec;11(12):432.

The generation and use of human T cell clones. Rees AD. **Mol Cell Probes** 1990 Dec;4(6):419–34 (89 ref.)

CHEMISTRY

Disparate types of gamma delta T cell. Kyes S, et al. **Res Immunol** 1990 Sep;141(7):582–7 (29 ref.)

CYTOLOGY

Two-way signalling through the LFA-1 lymphocyte adhesion receptor. Dustin ML. **Bioessays** 1990 Sep; 12(9):421-7 (27 ref.)

T-cell depletion for bone marrow transplantation: effects on graft rejection, graft-versus-host disease, graft-versus-leukemia, and survival. Champlin RE. **Cancer Treat Res** 1990;50:99-111 (81 ref.)

Engraftment of T-cell-depleted bone marrow in murine models for allogeneic bone marrow transplantation. Reisner Y. **Cancer Treat Res** 1990;50:9-25 (44 ref.)

Regulation of the early stages of T-cell development. Winoto A. **Curr Opin Immunol** 1991 Apr;3(2):199-203 (32 ref.)

T lymphocytes in non-neoplastic lymph nodes. van den Oord JJ, et al. **Curr Top Pathol** 1990;84 (Pt 1):149-78 (178 ref.)

Towards a molecular understanding of T-cell differentiation. Clevers HC, et al. **Immunol Today** 1991 Feb;12(2):86-92 (58 ref.)

Gamma delta T cells. Lefranc MP, et al. **Res Immunol** 1990 Sep;141(7):579-81 (12 ref.)

Human thymic epithelium and T cell development: current issues and future directions. Haynes BF. **Thymus** 1990 Nov-Dec;16(3-4):143-57 (90 ref.)

The thousand and one ways of being a T cell. Martinez C, et al. **Thymus** 1990 Nov-Dec;16(3-4):173-85 (68 ref.)

Development of human T lymphocytes and their thymus-dependency. van Dongen JJ, et al. **Thymus** 1990 Nov-Dec;16(3-4):207-34 (144 ref.)

DRUG EFFECTS

Programmed activation of T-lymphocytes. A theoretical basis for short term treatment of AIDS with azidothymidine. Forsdyke DR. **Med Hypotheses** 1991 Jan; 34(1):24-7 (38 ref.)

IMMUNOLOGY

T cell-mediated clearance of JHMV from the central nervous system. Williamson J, et al. **Adv Exp Med Biol** 1990; 276:557-63 (16 ref.)

Clinical applications of anti-T-cell monoclonal antibodies. Chatenoud L, et al. **Adv Nephrol Necker Hosp** 1991; 20:281-304 (120 ref.)

T-lymphocyte adhesion and immunointervention in transplantation. Fischer A. **Adv Nephrol Necker Hosp** 1991; 20:305-11 (39 ref.)

T cells, macrophages and platelets in asthma. Palma-Carlos AG, et al. **Allerg Immunol (Paris)** 1991 Jun;23(6):234-8 (24 ref.)

Evaluation and management of B and T cell abnormalities. Harrison LF, et al. **Allergy Proc** 1991 Jan-Feb;12(1):25-30 (17 ref.)

Transforming growth factor-beta is a potent negative regulator of human lymphocytes. Kehrl JH, et al. **Ann N Y Acad Sci** 1991;628:345-53 (42 ref.)

Outer membrane protein PhoE as a carrier for the exposure of foreign antigenic determinants at the bacterial cell surface. Agterberg M, et al. **Antonie Van Leeuwenhoek** 1991 May;59(4):249-62 (70 ref.)

Mitogenic toxins as MHC class II-dependent probes for T cell antigen receptors. Fleischer B, et al. **Behring Inst Mitt** 1991 Feb;(88):170-6 (17 ref.)

Cellular immune response to Borrelia burgdorferi in patients with Lyme borreliosis. Krause A, et al. **Behring Inst Mitt** 1991 Feb;(88):52-8 (15 ref.)

Polyclonal B-cell stimulation by T-cells in a parasitic disease. Lohoff M, et al. **Behring Inst Mitt** 1991 Feb;(88):84-93 (21 ref.)

Molecular similarities and differences between immunoglobulin and T cell receptors. Mak TW. **Behring Inst Mitt** 1990 Dec;(87):1-9 (14 ref.)

Cloning of microbial epitopes relevant for T- and B-cells. Miles MA, et al. **Behring Inst Mitt** 1991 Feb;(88):133-41 (65 ref.)

T-cell reactivity to purified lipophosphoglycan from Leishmania major: a model for analysis of the cellular immune response to microbial carbohydrates. Moll H, et al. **Behring Inst Mitt** 1991 Feb;(88):161-9 (54 ref.)

T-cell responses during infections with Leishmania major. Müller I, et al. **Behring Inst Mitt** 1991 Feb;(88):80-3 (21 ref.)

The immune response to Mycobacterium tuberculosis. Munk ME, et al. **Behring Inst Mitt** 1991 Feb;(88):27-35 (98 ref.)

Proteoglycan-specific autoreactive antibodies and T-lymphocytes in experimental arthritis and human rheumatoid joint diseases. Glant TT, et al. **Biochem Soc Trans** 1990 Oct;18(5):796-9 (40 ref.)

Role of oncogenes in the regulation of MHC antigen expression. Maudsley DJ. **Biochem Soc Trans** 1991 Apr; 19(2):291-6 (34 ref.)

Transmembrane signalling by interleukin 2. Mills GB, et al. **Biochem Soc Trans** 1991 Apr;19(2):277-87 (115 ref.)

Immunomodulatory effect of tumor necrosis factor. Bonavida B. **Biotherapy** 1991;3(2):127-33 (40 ref.)

Immunoregulatory cell dysfunction in chronic B-cell leukemias. Zaknoen SL, et al. **Blood Rev** 1990 Sep; 4(3):165-74 (123 ref.)

Maintenance of self tolerance in CD4+ T lymphocytes by antigen presentation on resting B cells--a hypothesis. Rammensee HG. **Bone Marrow Transplant** 1991;7 Suppl 1:26-8 (21 ref.)

T cell mediated induction of bronchial hyperreactivity. Garssen J, et al. **Br J Clin Pharmacol** 1990;30 Suppl 1:153S-155S (13 ref.)

The immune response 1. The local response and understanding T cell specificity. Salmon M, et al. **Br J Hosp Med** 1991 Feb;45(2):89-93 (50 ref.)

Unresolved questions in clinical T cell vaccination. Cohen IR. **Br J Rheumatol** 1991;30 Suppl 2:17-9 (14 ref.)

Heterogeneity of T cell repertoires in human autoimmune disease. Steinmetz M, et al. **Br J Rheumatol** 1991;30 Suppl 2:24-7 (16 ref.)

Human autologous tumor-specific T cells in malignant melanoma. Platsoucas CD. **Cancer Metastasis Rev** 1991 Jun;10(2):151-76 (180 ref.)

Self superantigens? Janeway CA Jr. **Cell** 1990 Nov 16; 63(4):659-61 (20 ref.)

IgE and mucosal immunity: studies on the role of intraepithelial Ia + dendritic cells and gamma/delta T-lymphocytes in regulation of T-cell activation in the lung. Holt PG, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:148-52 (16 ref.)

T-lymphocytes, allergy and asthma. Kay AB, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:17-21 (20 ref.)

Accumulation of hyporesponsive, calcium extruding memory T cells as a key feature of age-dependent immune dysfunction. Miller RA. **Clin Immunol Immunopathol** 1991 Mar;58(3):305-17 (46 ref.)

T lymphocyte activation: a biological model of signal transduction. Altman A, et al. **Crit Rev Immunol** 1990; 10(4):347-91 (568 ref.)

Role of MHC and antigens in T-cell development. Murphy KM. **Curr Opin Immunol** 1991 Feb;3(1):26-31 (40 ref.)

Gamma/delta T lymphocytes and heat shock proteins. Kaufmann SH, et al. **Curr Top Microbiol Immunol** 1991; 167:191-207 (59 ref.)

Immune responses to tissue-restricted self antigens: studies on T cell tolerance and autoimmunity to pancreatic beta cells. Lo D. **Curr Top Microbiol Immunol** 1990;164:71-94 (96 ref.)

B and T cell epitopes of glycoprotein D of herpes simplex virus type 1. Welling-Webster S, et al. **FEMS Microbiol Immunol** 1991 Apr;3(2):59-68 (75 ref.)

Ontogeny of normal human B-cell and T-cell precursors and its relation to leukemogenesis. LeBien TW, et al. **Hematol Oncol Clin North Am** 1990 Aug;4(4):835-47 (62 ref.)

Human T-T cell hybridomas: development and applications. Fox FE, et al. **Hum Antibodies Hybridomas** 1990;1(1):3-9 (66 ref.)

T-cell immune responses to cancer--a new look. Bodmer W. **Hum Immunol** 1991 Apr;30(4):259-61 (11 ref.)

Cellular mechanisms in immunity to blood stage infection. Kumar S, et al. **Immunol Lett** 1990 Aug;25(1-3):109-14 (19 ref.)

Prothymocyte seeding in the thymus. O'Neill HC. **Immunol Lett** 1991 Jan;27(1):1-6; discussion 7-8 (57 ref.)

Peptide presentation by class-I major histocompatibility complex molecules. Nikolić-Zugić J, et al. **Immunol Res** 1991;10(1):54-65 (39 ref.)

T cell regulation in autoimmune arthritis: possibilities for immunological intervention. van Eden W. **Immunol Res** 1990;9(3):157-63 (20 ref.)

Function of autoreactive T cells in immune responses. Finnegan A, et al. **Immunol Rev** 1990 Aug;116:15-31 (63 ref.)

The endothelial cell as a regulator of T-cell function. Hughes CC, et al. **Immunol Rev** 1990 Oct;117:85-102 (75 ref.)

Transgenic models of T-ceil self tolerance and autoimmunity. Miller JF, et al. **Immunol Rev** 1990 Dec;118:21-35 (55 ref.)

Speculations on mechanisms of HLA associations with autoimmune diseases and the specificity of "autoreactive" T lymphocytes. Möller E, et al. **Immunol Rev** 1990 Dec; 118:5-19 (51 ref.)

T-cell clones that react against autologous human tumors. Mukherji B, et al. **Immunol Rev** 1990 Aug;116:33-62 (51 ref.)

Alternative pathways of T-cell activation and positive clonal selection. Patarca R, et al. **Immunol Rev** 1990 Aug; 116:85-100 (46 ref.)

Mechanisms of autoimmunity in the context of T-cell tolerance: insights from natural and transgenic animal model systems. Siegel RM, et al. **Immunol Rev** 1990 Dec; 118:165-92 (91 ref.)

Presence of host-reactive and MHC-restricted T cells in a transplanted severe combined immunodeficient (SCID) patient suggest positive selection and absence of clonal deletion. Spits H, et al. **Immunol Rev** 1990 Aug;116:101-16 (67 ref.)

Functional dichotomy between Langerhans cells that present antigen to naive and to memory/effector T lymphocytes. Streilein JW, et al. **Immunol Rev** 1990 Oct;117:159-83 (56 ref.)

Mechanisms of immune injury in rheumatoid arthritis: evidence for the involvement of T cells and heat-shock protein. Strober S, et al. **Immunol Rev** 1990 Dec;118:233-55 (64 ref.)

Immunoregulatory function of human autoreactive T-cell lines and clones. Strober W, et al. **Immunol Rev** 1990 Aug; 116:117-38 (40 ref.)

Autoreactive HLA-DR-specific autoreactive T-cell clones: possible regulatory function for B lymphocytes and hematopoietic precursors. Tilkin AF, et al. **Immunol Rev** 1990 Aug;116:171-81 (27 ref.)

Imprint of thymic selection on autoreactive repertoires. Zauderer M, et al. **Immunol Rev** 1990 Aug;116:159-70 (30 ref.)

T-lymphocyte associative recognition. McCarthy SA, et al. **Immunol Ser** 1989;43:399-442 (39 ref.)

Characterization of Thy-1 with monoclonal antibodies and evidence of Thy-3. Naquet P, et al. **Immunol Ser** 1989; 45:99-117 (30 ref.)

Mitotic triggering of T-cells by anti-Thy-1 antibodies. Norcross MA, et al. **Immunol Ser** 1989;45:397-410 (28 ref.)

T-cell surface determinants and function in aging. Schwab R, et al. **Immunol Ser** 1989;45:317-31 (75 ref.)

The synergy between naive and memory T cells during activation. Akbar AN, et al. **Immunol Today** 1991 Jun; 12(6):184-8 (46 ref.)

T-cell development in the fetus and the invariant series hypothesis. Aspinall R, et al. **Immunol Today** 1991 Jan; 12(1):7-10 (35 ref.)

Cytokines in T-cell development. Carding SR, et al. **Immunol Today** 1991 Jul;12(7):239-45 (97 ref.)

T-cell development and transmembrane signaling: changing biological responses through an unchanging receptor. Finkel TH, et al. **Immunol Today** 1991 Feb;12(2):79-85 (79 ref.)

The dominant self and the cryptic self: shaping the autoreactive T-cell repertoire. Gammon G, et al. **Immunol Today** 1991 Jun;12(6):193-5 (17 ref.)

The role of thymic epithelium in the acquisition of tolerance. Houssaint E, et al. **Immunol Today** 1990 Oct;11(10):357-60 (47 ref.)

T-cell memory: the connection between function, phenotype and migration pathways. Mackay CR. **Immunol Today** 1991 Jun;12(6):189-92 (49 ref.)

Phosphatidylinositol membrane anchors and T-cell activation. Robinson PJ. **Immunol Today** 1991 Jan; 12(1):35-41 (56 ref.)

Regulation of magnitude of antibody response to bacterial polysaccharide antigens by thymus-derived lymphocytes. Baker PJ. **Infect Immun** 1990 Nov;58(11):3465-8 (37 ref.)

Inhibition of T cell activation by MHC blockade. Adorini L, et al. **Int Rev Immunol** 1990;6(1):23-35 (35 ref.)

T cell recognition in experimental autoimmune encephalomyelitis: prospects for immune intervention with synthetic peptides. Wraith DC, et al. **Int Rev Immunol** 1990; 6(1):37-47 (25 ref.)

Cellular immune responses to hepatitis B virus antigens in man. Sylvan SP. **Liver** 1991 Feb;11(1):1-23 (255 ref.)

T lymphocyte-stimulating microbial toxins as "superantigens". Fleischer B. **Med Microbiol Immunol (Berl)** 1991;180(2):53-8 (39 ref.)

T cell recognition of stress proteins. A link between infectious and autoimmune disease. Lamb JR, et al. **Mol Biol Med** 1990 Aug;7(4):311-21 (69 ref.)

Immune recognition. Mls: makes a little sense [news; comment] Janeway C. **Nature** 1991 Feb 7;349(6309):459-61 (31 ref.) Comment on: Nature 1991 Feb 7;349(6309):524-6. Comment on: Nature 1991 Feb 7;349(6309):526-8. Comment on: Nature 1991 Feb 7;349(6309):529-30. Comment on: Nature 1991 Feb 7;349(6309):531-2.

The lck tyrosine protein kinase. Sefton BM. **Oncogene** 1991 May;6(5):683-6 (39 ref.)

The cellular and molecular basis of the human T cell response to Dermatophagoides spp. (house dust mite). O'Hehir RE, et al. **Parasite Immunol** 1991 Mar;13(2):109-19 (47 ref.)

The role of OKT3 in clinical transplantation. Norman DJ, et al. **Pediatr Nephrol** 1991 Jan;5(1):130-6 (106 ref.)

Muromonab CD-3: a review of its pharmacology, pharmacokinetics, and clinical use in transplantation. Hooks MA, et al. **Pharmacotherapy** 1991;11(1):26-37 (74 ref.)

Immunogenetic mechanisms in myasthenia gravis. Steinman L. **Prog Brain Res** 1990;84:117-24 (34 ref.)

Recognition of mycobacterial antigens by gamma delta T cells. Band H, et al. **Res Immunol** 1990 Sep;141(7):645-51 (43 ref.)

The gamma delta cell response to stress: unresolved issues and possible significance. Born W, et al. **Res Immunol** 1990 Sep;141(7):595-600 (33 ref.)

Role of autoreactive immunological mechanisms in chagasic carditis. Ribeiro-dos-Santos R, et al. **Res Immunol** 1991 Feb;142(2):134-7 (12 ref.)

Analysis of antigen specificity of human TCR gamma delta + T cells. Spits H, et al. **Res Immunol** 1990 Sep; 141(7):636-40 (28 ref.)

Gamma/delta T cells: from controlled development to functional programs. Triebel F. **Res Immunol** 1990 Sep; 141(7):626-30 (25 ref.)

Cell-mediated immunity in experimental cytomegalovirus infections: a perspective. Pasternack MS, et al. **Rev Infect Dis** 1990 Sep-Oct;12 Suppl 7:S720-6 (49 ref.)

Analysis of gamma delta T cells in the chicken. Bucy RP, et al. **Semin Immunol** 1991 Mar;3(2):109-17 (72 ref.)

Heat shock proteins and autoimmunity. Gaston JS. **Semin Immunol** 1991 Jan;3(1):35-42 (58 ref.)

Murine T cells with invariant gamma delta antigen receptors: origin, repertoire, and specificity. Havran WL, et al. **Semin Immunol** 1991 Mar;3(2):89-97 (55 ref.)

Intraepithelial lymphocytes of the intestinal mucosa: curiouser and curiouser. Lefrançois L. **Semin Immunol** 1991 Mar;3(2):99-108 (88 ref.)

Specificity of gamma delta receptor bearing T cells. Matis LA, et al. **Semin Immunol** 1991 Mar;3(2):75-80 (48 ref.)

The roles of CD4 and CD8 in T cell activation. Miceli MC,

MEDICAL REVIEWS

et al. **Semin Immunol** 1991 May;3(3):133–41 (68 ref.)
Human T cell receptor gamma delta + T cells. Spits H. **Semin Immunol** 1991 Mar;3(2):119–29 (93 ref.)
CD4 and CD8 act as co-receptors during thymic selection of the T cell repertoire. Zúñiga-Pflücker JC, et al. **Semin Immunol** 1991 May;3(3):167–75 (77 ref.)
Mechanisms of glomerular injury: injury mediated by sensitized lymphocytes. Bolton WK. **Semin Nephrol** 1991 May;11(3):285–93 (60 ref.)
Xenophobia, T cells and a journey to a foreign land. Gale RP, et al. **Thymus** 1990 Aug;16(1):1–5 (30 ref.)
Acquisition of self-tolerance in T cells is achieved by different mechanisms, operating both inside and outside the thymus. Jones LA, et al. **Thymus** 1990 Nov–Dec; 16(3–4):195–206 (56 ref.)
Gangliosides of T lymphocytes: evidence for a role in T-cell activation. Yuasa H, et al. **Tissue Antigens** 1990 Aug; 36(2):47–56 (81 ref.)
Molecular and cellular aspects of T-lymphocyte responses to antigen. Segall M. **Transfusion** 1991 Feb;31(2):180–7 (77 ref.)
Immune repertoire of graft-invading T cells. Soulillou JP, et al. **Transpl Int** 1990 Oct;3(3):176–80 (28 ref.)
Relevance of immune responses to pathogenesis of cytomegalovirus-associated diseases. Gehrz RC, et al. **Transplant Proc** 1991 Jun;23(3 Suppl 3):75–84 (45 ref.)
Molecular aspects of immune recognition of cytomegalovirus. Koszinowski UH. **Transplant Proc** 1991 Jun;23(3 Suppl 3):70–3, discussion 74 (10 ref.)
First Medawar prize lecture. The immunological function of the thymus and of the thymus-derived lymphocytes. Miller JF. **Transplant Proc** 1991 Feb;23(1 Pt 1):9–10 (25 ref.)
Advances in and future of tissue typing. Möller E. **Transplant Proc** 1991 Feb;23(1 Pt 1):63–6 (18 ref.)
T-cell tolerance. Strober S. **Transplant Proc** 1991 Feb;23(1 Pt 1):34–5 (17 ref.)
Function and antigen specificity of T-cells against mycobacteria. Kaufmann SH, et al. **Trop Med Parasitol** 1990 Sep;41(3):319–20 (18 ref.)
Regulation of immunity by anti-T-cell antibodies. Wofsy D. **West J Med** 1990 Sep;153(3):265–8 (34 ref.)
The human secretory immune system. Tischner H. **Z Erkr Atmungsorgane** 1991;176(2–3):91–7 (30 ref.)
[Mechanisms of T-cell-mediated hypersensitivity in mice infected with the intestinal helminth Trichinella spiralis] Parmentier HK, et al. **Tijdschr Diergeneeskd** 1990 Dec 1; 115(23):1085–91 (35 ref.) (Eng. Abstr.) **(Dut)**
[Stimulation of the immune system by microbial "superantigens"] Fleischer B. **Immun Infekt** 1991 Feb; 19(1):8–11 (47 ref.) (Eng. Abstr.) **(Ger)**
[Mollaret benign recurrent aseptic meningitis. Case report, results of cerebrospinal fluid cytology and review of the literature] Bamborschke S, et al. **Nervenarzt** 1990 Oct; 61(10):615–9 (29 ref.) (Eng. Abstr.) **(Ger)**
[Distribution of lymphocyte subpopulations and plasma cells in the colonic mucosa of children with ulcerative colitis] Arató A, et al. **Orv Hetil** 1990 Sep 2;131(35):1913–8 (32 ref.) (Eng. Abstr.) **(Hun)**
[Protein kinases in signalling of T-cell growth] Onoue K, et al. **Ryumachi** 1990 Apr;30(2):133–42 (46 ref.) **(Jpn)**
[Interleukins—important signal substances for T-lymphocytes] Hofsli E. **Tidsskr Nor Laegeforen** 1991 Apr 20;111(10):1256–9 (15 ref.) (Eng. Abstr.) **(Nor)**
[Immunologic monitoring of rejection of allogeneic lung transplant] Stikhanovskaia LD. **Vestn Akad Med Nauk SSSR** 1990;(8):54–60 (65 ref.) **(Rus)**

METABOLISM

Extracellular ATP metabolism in B and T lymphocytes. Barankiewicz J, et al. **Ann N Y Acad Sci** 1990;603:380–92; discussion 393 (65 ref.)
Role of gamma interferon in Toxoplasma gondii infection. Subauste CS, et al. **Eur J Clin Microbiol Infect Dis** 1991 Feb;10(2):58–67 (88 ref.)
Receptors for IgA and IgE on T and B lymphocytes: development, regulation and function. Lynch RG, et al. **Res Immunol** 1990 Mar–Apr;141(3):241–8 (53 ref.)

MICROBIOLOGY

Cellular and growth-factor requirements for the replication of human herpesvirus 6 in primary lymphocyte cultures. Frenkel N, et al. **Adv Exp Med Biol** 1990;278:1–8 (22 ref.)

PATHOLOGY

Cellular abnormalities in common variable immunodeficiency. Spickett GP, et al. **Immunodefic Rev** 1990;2(3):199–219 (108 ref.)
T lymphocytes in the cerebrospinal fluid of patients with multiple sclerosis. Rotteveel FT, et al. **Immunol Res** 1990; 9(4):287–97 (84 ref.)
Lymphocyte trafficking in psoriasis: a new perspective emphasizing the dermal dendrocyte with active dermal recruitment mediated via endothelial cells followed by intra-epidermal T-cell activation. Nickoloff BJ, et al. **J Invest Dermatol** 1990 Nov;95(5):35S–37S (24 ref.)
The immunohistology of lymph nodes in HIV infection: a review. Wood GS. **Prog AIDS Pathol** 1990;2:25–32 (60 ref.)

PHYSIOLOGY

T cells, IgE antibodies, cytokines and allergic inflammation. Del Prete G, et al. **Allerg Immunol (Paris)** 1991 Jun; 23(6):239–43 (22 ref.)
Electroimmunology: membrane potential, ion-channel activities, and stimulatory signal transduction in human T lymphocytes from young and elderly. Damjanovich S, et al. **Ann N Y Acad Sci** 1991;621:29–39 (44 ref.)
T-cell function in aging: mechanisms of decline. Murasko DM, et al. **Annu Rev Gerontol Geriatr** 1990;10:71–96 (75 ref.)
T cell defined HLA epitopes and T cell receptor polymorphism in insulin dependent diabetes mellitus. Sheehy MJ. **Baillieres Clin Endocrinol Metab** 1991 Jun; 5(2):341–55 (52 ref.)
Signaling mechanisms in T cells. Rao A. **Crit Rev Immunol** 1991;10(6):495–519 (234 ref.)
Recombinant vaccinia viruses as vectors for studying T lymphocyte specificity and function. Bennink JR, et al. **Curr Top Microbiol Immunol** 1990;163:153–84 (177 ref.)
Accessory cell signals involved in T-cell activation. Geppert TD, et al. **Immunol Rev** 1990 Oct;117:5–66 (218 ref.)
Lipoprotein interactions with T cells: an update. Traill KN, et al. **Immunol Today** 1990 Nov;11(11):411–7 (71 ref.)
Initiation of lymphocyte DNA synthesis. Coffman FD, et al. **J Cell Biochem** 1991 Jan;45(1):15–21 (48 ref.)
Hypothesis: antigen-specific T cells prime central nervous system endothelium for recruitment of nonspecific inflammatory cells to effect autoimmune demyelination. Cross AH, et al. **J Neuroimmunol** 1991 Sep;33(3):237–44 (45 ref.)
Cytokines and T lymphocytes in pediatrics. Parkman R. **J Pediatr** 1991 Mar;118(3):S21–3 (7 ref.)
The ontogeny of T lymphocyte maturation and function. Wilson CB. **J Pediatr** 1991 Mar;118(3):S4–9 (60 ref.)
The regulatory role of T lymphocytes in wound healing. Barbul A, et al. **J Trauma** 1990 Dec;30(12 Suppl):S97–100 (22 ref.)
T cell regulation of immunoglobulin isotypes in health and disease. Benson EM, et al. **Pediatr Infect Dis J** 1990 Aug; 9(8 Suppl):S25–35 (149 ref.)
Chemistry and biology of the immunophilins and their immunosuppressive ligands. Schreiber SL. **Science** 1991 Jan 18;251(4991):283–7 (57 ref.)
Heat shock proteins as antigens for gamma delta T cells. O'Brien RL, et al. **Semin Immunol** 1991 Mar;3(2):81–7 (55 ref.)

T-LYMPHOCYTES, CYTOTOXIC

IMMUNOLOGY

Cellular mechanisms of lymphocyte-mediated lysis of tumor cells. Arancia G, et al. **Ann Ist Super Sanita** 1990; 26(3–4):369–84 (178 ref.)
Molecular interactions between HIV and the T lymphocyte. Phillips RE. **Biochim Biophys Acta** 1990 Nov 14; 1096(1):10–3 (39 ref.)
MHC restricted and non-restricted killer lymphocytes. Rees RC. **Blood Rev** 1990 Sep;4(3):204–10 (48 ref.)
Targeted cellular immunotherapy with bifunctional antibodies. Nelson H. **Cancer Cells** 1991 May;3(5):163–72 (63 ref.)
Staphylococcal-enterotoxin-dependent cell-mediated cytotoxicity. Dohlsten M, et al. **Immunol Today** 1991 May; 12(5):147–50 (42 ref.)
Peptide-mediated allo-recognition of HLA-B27 by cytotoxic T lymphocytes. Rojo S, et al. **Int J Cancer Suppl** 1991; 6:10–3 (26 ref.)
How many ways can a killer cell kill? Lanzavecchia A. **Int Rev Immunol** 1989 May;4(2):109–14 (23 ref.)
The induction of T cell-mediated cytolysis by monoclonal antibodies against the T cell receptor/CD3 complex. Spits H, et al. **Int Rev Immunol** 1989 May;4(2):115–32 (85 ref.)
Redirecting the cellular immune response. Staerz UD, et al. **Int Rev Immunol** 1989 May;4(2):159–73 (62 ref.)
MHC-restricted cytotoxicity against HIV. Autran B, et al. **J Acquir Immune Defic Syndr** 1991;4(4):361–7 (63 ref.)
Antigenic structures recognized by cytotoxic T lymphocytes. Tsomides TJ, et al. **J Biol Chem** 1991 Feb 25;266(6):3357–60 (61 ref.)
The IL-2 mediated amplification of cellular cytotoxicity. Grimm EA, et al. **J Cell Biochem** 1991 Apr;45(4):335–9 (17 ref.)
How T lymphocytes kill infected cells. Berke G. **Microbiol Sci** 1985;2(2):44–6, 51–2 (39 ref.)
Involvement of granule proteins in T-cell-mediated cytolysis. Krähenbühl O, et al. **Nat Immun Cell Growth Regul** 1990;9(4):274–82 (54 ref.)
Role of human circulating and tumor-infiltrating lymphocytes in cancer defense and treatment. Lotzová E. **Nat Immun Cell Growth Regul** 1990;9(4):253–64 (37 ref.)
Approaches to immunotherapy of cancer: characterization of lymphokines as second signals for cytotoxic T-cell generation. Bertagnolli MM, et al. **Surgery** 1991 Sep; 110(3):459–68 (93 ref.)
Adoptive immunotherapy of human cytomegalovirus infection: potential role in protection from disease progression. Greenberg P, et al. **Transplant Proc** 1991 Jun; 23(3 Suppl 3):97–101 (12 ref.)
Region E3 of adenovirus: a cassette of genes involved in host immunosurveillance and virus-cell interactions. Wold WS, et al. **Virology** 1991 Sep;184(1):1–8 (70 ref.)

LYMPHOCYTIC LEUKEMIA, ACUTE

PATHOLOGY

[T gamma-lymphocytosis with granulocytopenia—leukemia or reaction?] Robak T. **Acta Haematol Pol** 1990 Jan–Jun; 21(1):97–104 (46 ref.) **(Pol)**

PHYSIOLOGY

Extracellular ATP as a possible mediator of cell-mediated cytotoxicity. Di Virgilio F, et al. **Immunol Today** 1990 Aug; 11(8):274–7 (29 ref.)
Non-antigen-specific triggering signals for human cytotoxic T lymphocytes. Fleischer B. **Int Rev Immunol** 1989 May; 4(2):145–57 (81 ref.)
Veto function in vitro and in vivo. Rammensee HG. **Int Rev Immunol** 1989 May;4(2):175–91 (71 ref.)

T-LYMPHOCYTES, HELPER see **HELPER CELLS**

T-LYMPHOCYTES, INDUCER see **HELPER CELLS**

T-LYMPHOCYTES, REGULATORY

see related
LYMPHOCYTE COOPERATION

IMMUNOLOGY

T cell regulation of autoimmune interstitial nephritis. Kelly CJ. **J Am Soc Nephrol** 1990 Aug;1(2):140–9 (58 ref.)

T-LYMPHOCYTES, SUPPRESSOR see **SUPPRESSOR CELLS**

T4 LYMPHOCYTES

see related
ACQUIRED IMMUNODEFICIENCY SYNDROME
Neopterin and beta 2-microglobulin as prognostic indices in human immunodeficiency virus type 1 infection. Fuchs D, et al. **Infection** 1991;19 Suppl 2:S98–102 (32 ref.)

DRUG EFFECTS

The chronically infected cell as a target for the treatment of HIV infection and AIDS. Petteway SR Jr, et al. **Trends Pharmacol Sci** 1991 Jan;12(1):28–34 (38 ref.)

IMMUNOLOGY

Functional dichotomy in the CD4+ T cell response to Schistosoma mansoni. Pearce EJ, et al. **Exp Parasitol** 1991 Jul;73(1):110–6 (31 ref.)
Specific interactions between a human CD4+ clone and autologous CD4+ bifunctional immunoregulatory clones. Naor D, et al. **Immunol Rev** 1990 Aug;116:63–83 (60 ref.)
Murine Trypanosoma cruzi infection: a role for TH2 cells in the immunopathology of chronic infection. Hontebeyrie-Joskowicz M. **Res Immunol** 1991 Feb; 142(2):141–3 (33 ref.)
Chagas' disease: CD5 B-cell-dependent Th2 pathology? Minoprio P. **Res Immunol** 1991 Feb;142(2):137–40 (23 ref.)

MICROBIOLOGY

Control of expression and cell tropism of human immunodeficiency virus type 1. Zack JA, et al. **Adv Virus Res** 1990;38:125–46 (98 ref.)

PATHOLOGY

Cell dysfunction and depletion in AIDS: the programmed cell death hypothesis. Ameisen JC, et al. **Immunol Today** 1991 Apr;12(4):102–5 (50 ref.)

PHYSIOLOGY

Impaired immunity in AIDS. The mechanisms responsible and their potential reversal by antiviral therapy. Ruegg CL, et al. **Ann N Y Acad Sci** 1990;616:307–17 (56 ref.)

LYMPHOCYTES, TUMOR-INFILTRATING

see related
IMMUNOTHERAPY, ADOPTIVE

IMMUNOLOGY

The preparation of effector cells for use in the adoptive cellular immunotherapy of human cancer. Yannelli JR. **J Immunol Methods** 1991 May 17;139(1):1–16 (89 ref.)
[A new therapeutic concept in the treatment of metastatic cancers of the kidney: the TIL (tumor infiltrating lymphocytes)] Peyret C. **J Urol (Paris)** 1991;97(2):63–71 (38 ref.) (Eng. Abstr.) **(Fre)**

LYMPHOCYTIC LEUKEMIA see **LEUKEMIA, LYMPHOCYTIC**

T-LYMPHOCYTIC LEUKEMIA see **LEUKEMIA, T-CELL**

LYMPHOCYTIC LEUKEMIA, ACUTE see **LEUKEMIA, LYMPHOCYTIC, ACUTE**

B-LYMPHOCYTIC LEUKEMIA, ACUTE see **LEUKEMIA, B-CELL, ACUTE**

LYMPHOCYTIC LEUKEMIA, ACUTE, B- AND T-CELL see **LEUKEMIA, MIXED-CELL**

T-LYMPHOCYTIC LEUKEMIA, ACUTE see **LEUKEMIA, T-CELL, ACUTE**

LYMPHOCYTIC LEUKEMIA, B-CELL, ACUTE see **LEUKEMIA, B-CELL, ACUTE**

LYMPHOCYTIC LEUKEMIA, CHRONIC see **LEUKEMIA, LYMPHOCYTIC, CHRONIC**

B-LYMPHOCYTIC LEUKEMIA, CHRONIC see **LEUKEMIA, B-CELL, CHRONIC**

T-LYMPHOCYTIC LEUKEMIA, CHRONIC see **LEUKEMIA, T-CELL, CHRONIC**

LYMPHOCYTIC LEUKEMIA, CHRONIC, B-CELL see **LEUKEMIA, B-CELL, CHRONIC**

LYMPHOCYTIC LEUKEMIA, L1 see **LEUKEMIA, LYMPHOCYTIC, ACUTE, L1**

LYMPHOCYTIC LEUKEMIA, L2 see **LEUKEMIA, LYMPHOCYTIC, ACUTE, L2**

LYMPHOCYTIC LEUKEMIA, L3 see **LEUKEMIA, B-CELL, ACUTE**

LYMPHOCYTIC LEUKEMIA, T-CELL see **LEUKEMIA, T-CELL**

LYMPHOCYTIC LEUKEMIA, T-CELL, ACUTE see **LEUKEMIA, T-CELL, ACUTE**

LYMPHOCYTIC LEUKEMIA, T-CELL, CHRONIC see **LEUKEMIA, T-CELL, CHRONIC**

LYMPHOCYTIC LYMPHOMA see **LYMPHOMA, SMALL-CELL**

LYMPHOCYTIC LYMPHOMA, DIFFUSE, WELL-DIFFERENTIATED see **LYMPHOMA, SMALL LYMPHOCYTIC**

LYMPHOCYTIC LYMPHOMA, NODULAR, POORLY-DIFFERENTIATED see **LYMPHOMA, SMALL CLEAVED-CELL, FOLLICULAR**

LYMPHOCYTIC LYMPHOMA, WELL-DIFFERENTIATED see **LYMPHOMA, SMALL LYMPHOCYTIC**

LYMPHOCYTOMA see **LYMPHOMA, SMALL LYMPHOCYTIC**

LYMPHOCYTOPENIA see **LYMPHOPENIA**

LYMPHOCYTOSIS

COMPLICATIONS

Diffuse infiltrative lymphocytosis syndrome in human immunodeficiency virus infection—a Sjögren's-like disease. Itescu S. **Rheum Dis Clin North Am** 1991 Feb;17(1):99–115 (67 ref.)

[Association of rheumatoid polyarthritis and large granular lymphocyte lymphocytosis or pseudo-Felty's syndrome: a new case, with eosinophilia and without neutropenia] Lafforgue P, et al. **Rev Rhum Mal Osteoartic** 1991 Jun; 58(6):477–80 (22 ref.) **(Fre)**

DIAGNOSIS

[T gamma-lymphocytosis with granulocytopenia—leukemia or reaction?] Robak T. **Acta Haematol Pol** 1990 Jan–Jun; 21(1):97–104 (46 ref.) **(Pol)**

LYMPHOCYTOTOXIC ANTIBODIES see **ANTILYMPHOCYTE SERUM**

LYMPHOGRANULOMA, MALIGNANT see **HODGKIN'S DISEASE**

LYMPHOGRAPHY

[Lymph node metastasis of carcinoma of the cervix uteri. Role of lymphography and computerized tomography] La Fianza A, et al. **Radiol Med (Torino)** 1990 Oct;80(4):486–91 (31 ref.) (Eng. Abstr.) **(Ita)**

METHODS

Radiological studies of the lymphatic system of the head and neck. Liebner EJ. **Otolaryngol Clin North Am** 1973 Jun; 6(2):563–77 (18 ref.)

[Current status of lymphography among imaging methods] Kerner U. **Z Arztl Fortbild (Jena)** 1990;84(14):715–7 (12 ref.) **(Ger)**

LYMPHOHISTIOCYTOSIS, HEMOPHAGOCYTIC see **HISTIOCYTOSIS, NON-LANGERHANS-CELL**

LYMPHOID CELLS see **LYMPHOCYTES**

LYMPHOID IRRADIATION see **LYMPHATIC IRRADIATION**

LYMPHOID LEUKEMIA see **LEUKEMIA, LYMPHOCYTIC**

LYMPHOID TISSUE

CYTOLOGY

Germinal center reaction and B lymphocytes: morphology and function. Kroese FG, et al. **Curr Top Pathol** 1990;84 (Pt 1):103–48 (223 ref.)

Focusing: the dilemma of interpreting sharp images on a blurred background. Thorbecke GJ. **J Immunol** 1990 Nov 1;145(9):2779–90 (76 ref.)

Cellular interactions within the germinal centre. Freedman AS, et al. **Res Immunol** 1991 Mar–Apr;142(3):232–6 (58 ref.)

Understanding germinal centres. Gray D. **Res Immunol** 1991 Mar–Apr;142(3):237–42 (50 ref.)

The germinal centre: a monastery or a bar? Heinen E, et al. **Res Immunol** 1991 Mar–Apr;142(3):242–4 (26 ref.)

Cellular interactions during the germinal centre response. Kosco MH. **Res Immunol** 1991 Mar–Apr;142(3):245–8 (32 ref.)

Follicular dendritic cells in germinal centre development. Rademakers LH. **Res Immunol** 1991 Mar–Apr; 142(3):257–60 (31 ref.)

Cellular components involved in the germinal centre reaction. Terashima K, et al. **Res Immunol** 1991 Mar–Apr; 142(3):263–8 (24 ref.)

The intestinal habitat for organized lymphoid tissues in ruminants; comparative aspects of structure, function and development. Landsverk T, et al. **Vet Immunol Immunopathol** 1991 Mar;28(1):1–16 (66 ref.)

IMMUNOLOGY

The neuroimmune link in the bronchus-associated lymphoid tissue (BALT) of cat and rat: peptides and neural markers. Nohr D, et al. **Brain Behav Immun** 1991 Mar;5(1):84–101 (70 ref.)

Proliferation kinetics and the lifespan of B cells in central and peripheral lymphoid organs. Osmond DG. **Curr Opin Immunol** 1991 Apr;3(2):179–85 (31 ref.)

GALT involvement in food allergy. Moneret-Vautrin DA, et al. **Food Addit Contam** 1990;7 Suppl 1:S73–81 (51 ref.)

Skin-associated lymphoid tissue. Streilein JW. **Immunol Ser** 1989;46:73–96 (81 ref.)

Tissues and cells in the immune response. Virella G, et al. **Immunol Ser** 1990;50:11–30 (8 ref.)

Prominence of gamma delta T cells in the ruminant immune system. Hein WR, et al. **Immunol Today** 1991 Jan;12(1):30–4 (39 ref.)

Lymphocytes in the intestine: role and distribution. Azim T. **J Diarrhoeal Dis Res** 1991 Mar;9(1):1–10 (46 ref.)

Molecular analysis of germinal centre B cells. Apel M, et al. **Res Immunol** 1991 Mar–Apr;142(3):220–2 (15 ref.)

Are Peyer's patch germinal centre reactions different from those occurring in other lymphoid tissues? Cebra JJ, et al. **Res Immunol** 1991 Mar–Apr;142(3):222–6 (19 ref.)

The initiation of germinal centre reactivity. Kroese FG, et al. **Res Immunol** 1991 Mar–Apr;142(3):249–52 (24 ref.)

The heterogeneity of follicular reactions. MacLennan IC, et al. **Res Immunol** 1991 Mar–Apr;142(3):253–7 (22 ref.)

Significance of iccosomes in the germinal centre reaction. Szakal AK, et al. **Res Immunol** 1991 Mar–Apr;142(3):261–3 (9 ref.)

Memory B cells and germinal centres. Tsiagbe VK, et al. **Res Immunol** 1991 Mar–Apr;142(3):268–72 (59 ref.)

The role of antigens, antibodies and immune complexes in the functional activity of germinal centres. van Rooijen N. **Res Immunol** 1991 Mar–Apr;142(3):272–5 (40 ref.)

[Intestinal immune system] Hess G. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):216–31 (77 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Glutamine: a key substrate for the splanchnic bed. Souba WW. **Annu Rev Nutr** 1991;11:285–308 (99 ref.)

Cell cycle analysis of normal and malignant lymphoid cells. Campana D, et al. **Turk J Pediatr** 1990 Apr–Jun; 32(2):135–41 (41 ref.)

PATHOLOGY

[Role of colorectal lymphoid follicles in intestinal carcinogenesis in rodents and in men] Martin MS. **Gastroenterol Clin Biol** 1990;14(8–9):611–3 (23 ref.) **(Fre)**

[Anti-Borrelia burgdorferi antibodies in chronic erythema migrans, benign lymphadenosis cutis, scleroderma and scleroatrophic lichen] Afa G, et al. **G Ital Dermatol Venereol** 1990 Sep;125(9):369–73 (48 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

The lymphatics and lymphoreticular tissues in relation to the action of sex hormones. Kotani M. **Arch Histol Cytol** 1990; 53 Suppl:1–76 (367 ref.)

LYMPHOKINE-ACTIVATED KILLER CELLS see **KILLER CELLS, LYMPHOKINE-ACTIVATED**

LYMPHOKINES

see related
IMMUNITY, CELLULAR

The leukemia inhibitory factor (LIF). Metcalf D. **Int J Cell Cloning** 1991 Mar;9(2):95–108 (52 ref.)

ANALYSIS

Assays for lymphokines, cytokines and their receptors. Beckmann MP, et al. **Curr Opin Immunol** 1991 Apr; 3(2):247–51 (24 ref.)

BIOSYNTHESIS

Lymphokines and the acute-phase response in clinical bone marrow transplantation. Cohen J, et al. **Eur Cytokine Netw** 1990 Oct–Nov;1(4):251–5 (20 ref.)

Regulation of immunity in Trypanosoma cruzi infection. Tarleton RL. **Exp Parasitol** 1991 Jul;73(1):106–9 (16 ref.)

Locally active steroid hormones may facilitate compartmentalization of immunity by regulating the types of lymphokines produced by helper T cells. Daynes RA, et al. **Res Immunol** 1991 Jan;142(1):40–5 (15 ref.)

BLOOD

Do circulating factors play a role in the pathogenesis of minimal change nephrotic syndrome? Bakker WW, et al. **Pediatr Nephrol** 1989 Jul;3(3):341–9 (88 ref.)

IMMUNOLOGY

Human nonspecific suppressive lymphokines. Halpern MT. **J Clin Immunol** 1991 Jan;11(1):1–12 (86 ref.)

Control of B-cell activation by T-cell lymphokines. Thèze J, et al. **Res Immunol** 1990 May–Jun;141(4–5):440–3 (10 ref.)

[Interleukins: functional role as mediators of the immune system (review of the literature)] Cheredeev AN. **Lab Delo** 1990;(10):4–11 (66 ref.) **(Rus)**

METABOLISM

Lymphokine signal transduction. Guy GR, et al. **Cell Signal** 1990;2(5):415–25 (105 ref.)

Molecular biology of IgE-binding protein, IgE-binding factors, and IgE receptors. Liu FT. **Crit Rev Immunol** 1990; 10(3):289–306 (116 ref.)

Lymphocyte chemoattractants in psoriasis and normal skin. Camp RD, et al. **J Invest Dermatol** 1990 Nov;95(5):22S–23S (9 ref.)

Proteinase inhibition, immunoglobulin-binding proteins and a novel antimicrobial principle. Björck L. **Mol Microbiol** 1990 Sep;4(9):1439–42 (19 ref.)

PHARMACOLOGY

Effects of lymphokines on rheumatoid arthritis. Brinckerhoff CE. **Immunol Ser** 1990;52:85–100 (34 ref.)

PHYSIOLOGY

Leukemia inhibitory factor: does the cap fit? Gearing DP. **Ann N Y Acad Sci** 1991;628:9–18 (58 ref.)

Introduction to TNF and related lymphokines. Gifford GE, et al. **Biotherapy** 1991;3(2):103–11 (57 ref.)

Immunological tolerance and lymphokines. Holáň V, et al. **Crit Rev Immunol** 1991;10(6):481–93 (143 ref.)

Leukemia inhibitory factor: a biological perspective. Hilton DJ, et al. **J Cell Biochem** 1991 May;46(1):21–6 (58 ref.)

Growth and differentiation factors of pluripotential stem cells. Heath JK, et al. **J Cell Sci Suppl** 1990;13:75–85 (44 ref.)

Lymphokine signal transduction. Guy GR, et al. **Prog Growth Factor Res** 1990;2(1):45–70 (198 ref.)

Mediators of different lung cells and their function. Reutgen H, et al. **Z Erkr Atmungsorgane** 1991;176(2–3):104–8 (10 ref.)

THERAPEUTIC USE

Lymphokines and cytokines. Wagstaff J. **Cancer Chemother Biol Response Modif** 1990;11:204–34 (200 ref.)

Hansen's disease, cell-mediated immunity, and recombinant lymphokines. Cohn ZA, et al. **J Infect Dis** 1991 Jun; 163(6):1195–200 (26 ref.)

Approaches to immunotherapy of cancer: characterization of lymphokines as second signals for cytotoxic T-cell generation. Bertagnolli MM, et al. **Surgery** 1991 Sep; 110(3):459–68 (93 ref.)

LYMPHOMA

Lymphoproliferative disorders of the head and neck. Green JD Jr, et al. **Am J Otolaryngol** 1991 Jan–Feb;12(1):26–32 (15 ref.)

Gastrointestinal lymphoma. Thomas CR Jr, et al. **Med Pediatr Oncol** 1991;19(1):48–60 (141 ref.)

What's new in primary central nervous system lymphomas?

Xerri L, et al. **Pathol Res Pract** 1990 Dec;186(6):809–16 (114 ref.)
Malignant tumours of the stomach. Cuschieri A. **Recenti Prog Med** 1990 Jun;81(6):374–86 (53 ref.)
[Intraocular, orbital and ocular adnexal lymphoid neoplasms] Bairey O, et al. **Harefuah** 1991 Apr 1;120(7):408–10 (30 ref.) **(Heb)**
[Lymphoma of the colon] Maaravi Y, et al. **Harefuah** 1991 Mar 1;120(5):275–6 (23 ref.) **(Heb)**
[Primary lymphoma of the thyroid gland. Review of the literature and presentation of a clinical case] Stolfi VM, et al. **G Chir** 1989 Nov;10(11):641–5 (22 ref.) (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Phenoxyacetic acid herbicides and chlorophenols and the etiology of lymphoma and soft-tissue neoplasms. Kelly SJ, et al. **Public Health Rev** 1989–90;17(1):1–37 (89 ref.)

COMPLICATIONS

AIDS-associated lymphomas. Kaplan LD. **AIDS Clin Rev** 1991;:181–95 (41 ref.)
AIDS-associated lymphomas. Kaplan LD. **AIDS Clin Rev** 1989;:193–204 (28 ref.)
Lymphomas and other neoplasms associated with AIDS. Ziegler JL. **Immunol Ser** 1989;44:359–70 (39 ref.)
[Hematologic malignancies associated with Klinefelter's syndrome] Oguma N. **Rinsho Ketsueki** 1991 Jan;32(1):1–5 (13 ref.) **(Jpn)**

DIAGNOSIS

HMB-45–positive malignant lymphoma. A case report with literature review of aberrant HMB-45 reactivity. Friedman HD, et al. **Arch Pathol Lab Med** 1991 Aug;115(8):826–30 (15 ref.)
Fine needle aspiration biopsy in the diagnosis of lymphoma. Suhrland MJ, et al. **Cancer Invest** 1991;9(1):61–8 (47 ref.)
Cytologic diagnosis of leukemia and lymphoma. Values and limitations. Katz RL. **Clin Lab Med** 1991 Jun;11(2):469–99 (47 ref.)
Lineage-specific receptors in the diagnosis of malignant lymphomas and myelomonocytic neoplasms. Parwaresch MR, et al. **Curr Top Pathol** 1991;83:495–516 (78 ref.)
Recent advances in diagnosis and classification of leukemias and lymphomas. Naeim F, et al. **Dis Markers** 1990 Sep–Oct; 8(5):231–64 (224 ref.)
Clinical value of PCR in diagnosis and follow-up of leukaemia and lymphoma: report of the third Workshop of the Molecular Biology/BMT study group. Hughes TP, et al. **Leukemia** 1991 Jun;5(6):448–51 (28 ref.)
Primary central nervous system lymphoma: a new clinical challenge [editorial] DeAngelis LM. **Neurology** 1991 May; 41(5):619–21 (26 ref.)
Primary leptomeningeal lymphoma: report of 9 cases, diagnosis with immunocytochemical analysis, and review of the literature. Lachance DH, et al. **Neurology** 1991 Jan; 41(1):95–100 (39 ref.)
Primary central nervous system lymphoma. A report of 9 cases and review of the literature. Pittman KB, et al. **Oncology** 1991;48(3):184–7 (25 ref.)
[Current status of lymphography among imaging methods] Kerner U. **Z Arztl Fortbild (Jena)** 1990;84(14):715–7 (12 ref.) **(Ger)**
[Role of endoscopy in lymphomatous pathology of the digestive tract] Vigneri S, et al. **Minerva Med** 1990 Nov; 81(11):785–9 (24 ref.) (Eng. Abstr.) **(Ita)**
[DNA diagnosis of human cancers: lymphoid malignancies and leukemia] Takaku F. **Gan To Kagaku Ryoho** 1991 Jan; 18(1):37–43 (16 ref.) (Eng. Abstr.) **(Jpn)**
[The significance and assessment of residual masses in lymphomas in remission (editorial)] Montalbán C. **Rev Clin Esp** 1990 Jun;187(1):1–2 (11 ref.) **(Spa)**
[Molecular genetics--valuable diagnostic complement in cases of lymphomas/leukemias] Lindh J, et al. **Lakartidningen** 1991 Feb 20;88(8):641–4 (14 ref.) (Eng. Abstr.) **(Swe)**

DRUG THERAPY

Photopheresis for T cell mediated diseases. Heald PW, et al. **Adv Dermatol** 1988;3:25–40 (16 ref.)
Antitumor enzyme: polyethylene glycol–modified asparaginase. Wada H, et al. **Ann N Y Acad Sci** 1990; 613:95–108 (17 ref.)
The evolving role of etoposide in the management of lymphomas and Hodgkin's disease. O'Reilly SE, et al. **Cancer** 1991 Jan 1;67(1 Suppl):271–80 (37 ref.)
Hexamethylmelamine: activity in lymphoma and other tumors. Macdonald JS. **Cancer Treat Rev** 1991 Mar;18 Suppl A:99–102 (8 ref.)
Malignant lymphomatous polyposis: diagnosis and response to chemotherapy. Sagar SM, et al. **Clin Oncol (R Coll Radiol)** 1990 Jul;2(4):230–4 (19 ref.)
Management of pediatric lymphomas. Murphy SB. **Curr Opin Oncol** 1989 Oct;1(1):42–6 (14 ref.)
Suramin, a novel antitumor compound. La Rocca RV, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):893–8 (33 ref.)
Fludarabine phosphate therapy in other lymphoid malignancies. Kantarjian HM, et al. **Semin Oncol** 1990 Oct; 17(5 Suppl 8):66–70 (18 ref.)
[An autopsy case of cyclophophamide-induced interstitial pneumonia] Tanaka H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Dec; 28(12):1622–7 (11 ref.) (Eng. Abstr.) **(Jpn)**
[The use of intravenous gamma globulin in malignant hematologic diseases] Garay GE. **Medicina (B Aires)** 1989; 49(6):621–7 (55 ref.) **(Spa)**

ETIOLOGY

Hashimoto's thyroiditis as a risk factor of thyroid lymphoma. Aozasa K. **Acta Pathol Jpn** 1990 Jul;40(7):459–68 (50 ref.)
Rheumatoid arthritis, malignancy, and paraproteins. Kelly C, et al. **Ann Rheum Dis** 1990 Sep;49(9):657–9 (25 ref.)
Prospected etiopathogenic mechanisms of AIDS-associated tumors. Buonaguro FM, et al. **Antibiot Chemother** 1991; 43:96–114 (111 ref.)
Pediatric AIDS and associated cancers in Kinshasa, Zaire. Davachi F, et al. **Antibiot Chemother** 1991;43:140–9 (45 ref.)
Malignant lymphomas in patients with HIV infection in Italy. Monfardini S. **Antibiot Chemother** 1991;43:124–39 (56 ref.)
HIV-associated malignancies. Safai B, et al. **Antibiot Chemother** 1991;43:69–95 (126 ref.)
Transgenic models for haemopoietic malignancies. Adams JM, et al. **Biochim Biophys Acta** 1991 Apr 16;1072(1):9–31 (156 ref.)
Ionising radiations from nuclear establishments and childhood leukaemias--an enigma. Evans HJ. **Bioessays** 1990 Nov;12(11):541–9 (74 ref.)
AIDS-associated lymphoma. Walsh C. **Curr Opin Oncol** 1990 Dec;2(6):1167–71 (17 ref.)
Epidemiology, clinical characteristics, and management of AIDS-related lymphoma. Levine AM. **Hematol Oncol Clin North Am** 1991 Apr;5(2):331–42 (40 ref.)
Cellular aspects of the pathogenesis of radiation-–induced thymic lymphomas in C57 BL mice (review). Boniver J, et al. **In Vivo** 1990 Jan–Feb;4(1):41–3 (28 ref.)
Lymphoma in AIDS. Moran EM. **J Environ Pathol Toxicol Oncol** 1990 Nov–Dec; 10(6):326–30 (36 ref.)
Pulmonary neoplastic and lymphoproliferative disease in AIDS: a review. Heitzman ER. **Radiology** 1990 Nov; 177(2):347–51 (55 ref.)

GENETICS

Molecular genetics and its application to the diagnosis and classification of hematopoietic neoplasms. Abbondanzo SL, et al. **Am J Pediatr Hematol Oncol** 1990 Winter;12(4):480–9 (90 ref.)
Molecular biology of lymphoid malignancies. Kagan J, et al. **Ann Oncol** 1991 Feb;2 Suppl 2:9–21 (183 ref.)
bcl–1, t(11;14), and mantle cell–derived lymphomas [editorial] Raffeld M, et al. **Blood** 1991 Jul 15;78(2):259–63 (50 ref.)
Multidrug resistance: clinical relevance in haematological malignancies. Kaye SB, et al. **Blood Rev** 1991 Mar; 5(1):38–41 (27 ref.)
The role of the bcl–2 gene in lymphoma. Cotter FE. **Br J Haematol** 1990 Aug;75(4):449–53 (53 ref.)
Recent experimental studies in lymphoma: molecular and virologic aspects. Ambinder RF. **Curr Opin Oncol** 1990 Oct;2(5):811–5 (18 ref.)
Molecular biology of lymphoid malignancies. Grignani F, et al. **Curr Opin Oncol** 1989 Oct;1(1):4–9 (21 ref.)
Cytogenetics in malignant lymphomas. Kaneko Y. **Curr Opin Oncol** 1990 Oct;2(5):816–21 (20 ref.)
Recent advances in the biology of lymphomas. Isaacson PG. **Eur J Cancer** 1991;27(6):795–802 (80 ref.)
Proto-oncogene and tumor suppressor gene involvement in human lymphomas. Saglio G, et al. **Leukemia** 1991;5 Suppl 1:7–11 (33 ref.)
t(2;18) and t(18;22) variant chromosomal translocations and bcl–2 gene rearrangements in human malignant lymphomas. Larsen CJ, et al. **Nouv Rev Fr Hematol** 1990;32(6):401–3 (10 ref.)
Oncogene involvement in lymphoid malignancy. Ngan BY, et al. **Tumour Biol** 1990;11 Suppl 1:78–93 (99 ref.)
T cell receptor and immunoglobulin genes in hematologic malignancies. Reis MD, et al. **Tumour Biol** 1990;11 Suppl 1:59–77 (77 ref.)
[Molecular mechanisms of oncogene activation in hematological malignancies] Ino T, et al. **Nippon Rinsho** 1991 Jan;49(1):247–57 (20 ref.) **(Jpn)**

IMMUNOLOGY

B-cell monoclonal antibodies and their use in clinical oncology. Freedman AS, et al. **Cancer Invest** 1991; 9(1):69–84 (144 ref.)
CD5+ B cells in autoimmune disease and lymphoid malignancy. Shirai T, et al. **Clin Immunol Immunopathol** 1991 May;59(2):173–86 (80 ref.)
[Immunocytological phenotyping of leukemias and lymphomas. Methods, results, indications and significance] Schwonzen M, et al. **Med Klin** 1990 Sep 15;85(9):533–47 (151 ref.) **(Ger)**
[Natural killer cells in the clinical picture of hematologic malignancies] Shparyk IaV, et al. **Gematol Transfuziol** 1990 Sep;35(9):27–30 (77 ref.) **(Rus)**

PATHOLOGY

Angiocentric lymphoma with histologic features of neoplastic angioendotheliomatosis presenting with predominant respiratory and hematologic manifestations. Report of a case and review of the literature [see comments] Kamesaki H, et al. **Am J Clin Pathol** 1990 Dec;94(6):768–72 (15 ref.) Comment in: Am J Clin Pathol 1991 Jun;95(6):902–3.
Aggressive phase multiple myeloma: a terminal anaplastic transformation resembling high-grade lymphoma. Allen SL, et al. **Cancer Invest** 1990;8(3–4):417–24 (42 ref.)
Primary cerebral lymphoma--a clinico-pathological study. Hardwidge C, et al. **Clin Neuropathol** 1990 Sep–Oct; 9(5):217–23 (36 ref.)
Pathology of malignant lymphomas. Kadin ME, et al. **Curr Opin Oncol** 1990 Oct;2(5):822–31 (41 ref.)
Pathology of malignant lymphomas and Hodgkin's disease. Wolf BC, et al. **Curr Opin Oncol** 1989 Oct;1(1):10–6 (25 ref.)
Malignant lymphoma of the ovary: report on two cases and review of the literature. Iaffaioli RV, et al. **Eur J Gynaecol Oncol** 1990;11(3):205–8 (9 ref.)
Primary central nervous system lymphoma in patients with and without the acquired immune deficiency syndrome. A retrospective analysis and review of the literature. Remick SC, et al. **Medicine (Baltimore)** 1990 Nov; 69(6):345–60 (150 ref.)
Malignant lymphoma, pseudolymphoma, and hematopoietic disorders of the female genital tract. Ferry JA, et al. **Pathol Annu** 1991;26 Pt 1:227–63 (124 ref.)
The pathology of immunoblastic proliferations. Reaction, prelymphoma, lymphoma. Tindle BH. **Pathol Annu** 1991; 26 Pt 2:145–86 (181 ref.)
Mediastinal lymphoma. Strickler JG, et al. **Semin Diagn Pathol** 1991 Feb;8(1):2–13 (82 ref.)
Intravascular lymphomatosis: clinicopathologic features and differential diagnosis. Wick MR, et al. **Semin Diagn Pathol** 1991 May;8(2):91–101 (53 ref.)
[Normal lymphoid tissue and primary malignant lymphomas of the gastrointestinal tract] Diebold J. **Ann Gastroenterol Hepatol (Paris)** 1991 Jan–Feb;27(1):31–5 (20 ref.) (Eng. Abstr.) **(Fre)**
[MALT conjunctival lymphoma: how to treat?] Bron A, et al. **Bull Soc Ophtalmol Fr** 1990 Jun–Jul;90(6–7):589–92 (13 ref.) (Eng. Abstr.) **(Fre)**
[Stem cell proliferation and differentiation of lymphopoiesis] Feller AC, et al. **Verh Dtsch Ges Pathol** 1990;74:75–92 (73 ref.) (Eng. Abstr.) **(Ger)**
[Histological diagnosis of brain tumors: (16). Malignant lymphoma] Arita N, et al. **No Shinkei Geka** 1991 May; 19(5):401–6 (29 ref.) **(Jpn)**
[Indicators of cell proliferation in malignant lymphoma with special reference to the nucleolus organizer region] Kroker DZh. **Gematol Transfuziol** 1990 Nov;35(11):28–34 (83 ref.) **(Rus)**
[Primary lymphoma of the central nervous system] Diez Manglano J, et al. **Rev Clin Esp** 1991 Jan;188(1):41–3 (70 ref.) (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[Malignant lymphoma of the breast] Golder W, et al. **Rontgenpraxis** 1991 Jan;44(1):20–3 (34 ref.) **(Ger)**

SURGERY

Autologous bone marrow transplantation in hematological malignancies. Gorin NC. **Am J Clin Oncol** 1991;14 Suppl 1:S5–14 (18 ref.)
Detection and significance of minimal residual disease in patients with leukaemia and lymphoma. Goldman JM, et al. **Bone Marrow Transplant** 1991;7 Suppl 1:66–9 (32 ref.)
The rationale of autologous bone marrow transplantation. Mandelli F, et al. **Bone Marrow Transplant** 1991;7 Suppl 2:66–7 (14 ref.)
Bone marrow transplantation in the treatment of lymphoma. Armitage JO. **Curr Opin Oncol** 1990 Oct;2(5):843–8 (28 ref.)
Autologous bone marrow transplantation in hematologic malignancies. Jones RJ. **Curr Opin Oncol** 1991 Apr; 3(2):234–7 (23 ref.)
Bone marrow transplantation in hemopoietic malignancies. Messner HA. **Curr Opin Oncol** 1991 Apr;3(2):245–53 (89 ref.)
Autologous blood stem cell transplantation in hematologic malignancies. Majolino I, et al. **Haematologica** 1990 Nov–Dec;75(6):555–66 (127 ref.)
[Autologous bone marrow transplantation in malignant hematologic diseases] Johnsen HE, et al. **Ugeskr Laeger** 1991 Jun 17;153(25):1790–3 (30 ref.) (Eng. Abstr.) **(Dan)**

THERAPY

Immunotoxins in the therapy of leukemias and lymphomas. Hertler AA, et al. **Cancer Invest** 1991;9(2):211–9 (69 ref.)
Advances in the treatment of lymphoma. Portlock CS. **Curr Opin Oncol** 1990 Oct;2(5):838–42 (27 ref.)
Role of high-dose chemotherapy and autologous bone marrow transplantation in the treatment of lymphoma. Philip T, et al. **Eur J Cancer** 1991;27(3):320–2 (7 ref.)
Treatment of murine lymphoma with anti-Thy-1.1 antibodies. Badger CC, et al. **Immunol Ser** 1989;45:515–29 (32 ref.)
Autologous bone marrow transplantation for hematologic

cancer. Phillips GL. **Prog Clin Biol Res** 1990;354B:171–84 (30 ref.)
Therapeutic approaches to neoplasms in AIDS. Levine AM. **Rev Infect Dis** 1990 Sep–Oct;12(5):938–43 (27 ref.)
The impact of myeloid growth factors on engraftment following autologous bone marrow transplantation for malignant lymphoma. Rabinowe SN, et al. **Semin Hematol** 1991 Apr;28(2 Suppl 2):6–16 (27 ref.)
[Hematologic neoplasms: clinically latent—but needing treatment?] Huber H, et al. **Verh Dtsch Ges Inn Med** 1990; 96:138–47 (60 ref.) **(Ger)**

ULTRASONOGRAPHY

Ultrasound of extranodal abdominal lymphoma—a review. Goerg C, et al. **Clin Radiol** 1991 Aug;44(2):92–7 (36 ref.)
Ultrasound and ultrasonically guided biopsy in oncohematology. Buscarini L, et al. **Haematologica** 1991 Jan–Feb;76(1):53–64 (148 ref.)

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the haematopoietic system. Ward JM, et al. **IARC Sci Publ** 1990;(99):625–57 (168 ref.)

LYMPHOMA, B-CELL

COMPLICATIONS

[Breast cancer and B cell malignant lymphoma associated with Sjögren's syndrome—a case report and review of literature in Japan] Kohno A, et al. **Ryumachi** 1990 Oct; 30(5):388–93, 395; discussion 393–4 (30 ref.) (Eng. Abstr.) **(Jpn)**
[Clinical forms of presentation of non-Hodgkin's lymphoma in childhood] Cubells Riero J. **An Esp Pediatr** 1990 Nov; 33 Suppl 43:145–9 (23 ref.) **(Spa)**

DRUG THERAPY

Combined modality clinical trials for favorable B-cell neoplasms: lonidamine plus whole body hyperthermia and/or total body irradiation. Robins HI. **Semin Oncol** 1991 Apr;18(2 Suppl 4):23–7 (40 ref.)
[Massive bilateral non-Hodgkin's lymphoma of the adrenal glands] Arai N, et al. **Rinsho Ketsueki** 1990 Sep; 31(9):1576–80 (15 ref.) (Eng. Abstr.) **(Jpn)**
[Treatment of infantile non-Hodgkin's lymphoma] Bernacer Borja M. **An Esp Pediatr** 1990 Nov;33 Suppl 43:149–54 (10 ref.) **(Spa)**

ETIOLOGY

[Malignant B-cell lymphoma in a patient with primary Sjögren syndrome] Varga M, et al. **Orv Hetil** 1991 Jan 6;132(1):29–32 (30 ref.) (Eng. Abstr.) **(Hun)**
[Non-Hodgkin's lymphoma arising from the wall of old tuberculous empyema—a surgical case report] Ohno K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Sep; 38(9):1532–7 (19 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

The molecular biology of B-cell lymphoma: clinicopathologic implications. Kluin PM, et al. **Ann Hematol** 1991 Apr;62(4):95–102 (81 ref.)
Multiple phenotypic consequences of the Ig/Myc translocation in B-cell-derived tumors. Klein G. **Genes Chromosom Cancer** 1989 Sep;1(1):3–8 (37 ref.)
Genomic alterations, origin and evolution of B-cell non-Hodgkin's lymphoma. Cuneo A, et al. **Haematologica** 1991 Jan–Feb;76(1):1–7 (46 ref.)
[BCL-2 gene in lymphocytic malignancy] Seto M, et al. **Gan To Kagaku Ryoho** 1991 Jun;18(7):1106–11 (22 ref.) (Eng. Abstr.) **(Jpn)**
[bcl-2 gene in B cell lymphoma] Seto M, et al. **Rinsho Ketsueki** 1991 Jun;32(6):644–9 (15 ref.) (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Evidence that the B lymphocyte proliferating in B-CLL and in other B-cell malignancies is frequently committed to production of natural autoantibodies. Dighiero G, et al. **Nouv Rev Fr Hematol** 1990;32(5):323–6 (27 ref.)

MICROBIOLOGY

B-cell lymphoma in organ transplant recipients. Thomas JA, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):221–32 (58 ref.)

PATHOLOGY

Necrotizing B-cell lymphoma. A case report with a review of the literature. Fujita M, et al. **Acta Pathol Jpn** 1990 Oct; 40(10):770–4 (13 ref.)
Tumor progression in malignant lymphomas. Warnke RA. **Bull Cancer (Paris)** 1991;78(2):181–6 (30 ref.)
A primitive lymphoma of the uterine cervix. Case report. Pasini F, et al. **Eur J Gynaecol Oncol** 1991;12(2):107–12 (7 ref.)
Reticulohistiocytoma of the dorsum (Crosti's disease) and other B-cell lymphomas. Berti E, et al. **Semin Diagn Pathol** 1991 May;8(2):82–90 (12 ref.)
[A primary malignant lymphoma of the appendix] Shimada K, et al. **Gan No Rinsho** 1990 Sep;36(11):2086–91 (28 ref.) (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Radioimmunotherapy of B-cell lymphoma. Eary JF. **Ann Oncol** 1991 Feb;2 Suppl 2:187–90 (11 ref.)

LYMPHOMA, BURKITT'S see **BURKITT'S LYMPHOMA**

LYMPHOMA, DIFFUSE

Diffuse infiltrating T-cell lymphoma of the colon associated with polyclonal hypergammaglobulinemia and hepatocellular carcinoma: report of a case. Nagai T, et al. **Jpn J Med** 1991 Jan–Feb;30(1):57–63 (31 ref.)

DIAGNOSIS

[Primary lymphoma of the kidney. Review of the literature apropos of a case] Blanc P, et al. **Rev Med Interne** 1989 Sep–Oct;10(5):457–9 (8 ref.) **(Fre)**

DRUG THERAPY

[Massive bilateral non-Hodgkin's lymphoma of the adrenal glands] Arai N, et al. **Rinsho Ketsueki** 1990 Sep; 31(9):1576–80 (15 ref.) (Eng. Abstr.) **(Jpn)**

LYMPHOMA, DIFFUSE, LARGE FOLLICULAR CENTER-CELL see **LYMPHOMA, LARGE-CELL, DIFFUSE**

LYMPHOMA, DIFFUSE, MIXED LYMPHOCYTIC-HISTIOCYTIC see **LYMPHOMA, MIXED-CELL, DIFFUSE**

LYMPHOMA, FOLLICULAR

GENETICS

Follicular lymphoma: a model of lymphoid tumor progression in man. Zelenetz AD, et al. **Ann Oncol** 1991 Feb;2 Suppl 2:115–22 (51 ref.)
The 14;18 translocation in European cases of follicular lymphoma: comparison of Southern blotting and the polymerase chain reaction. Pezzella F, et al. **Br J Haematol** 1990 Sep;76(1):58–64 (14 ref.)
The bcl-2 gene and 14;18 translocation in lymphoproliferative disorders. Pezzella F, et al. **Nouv Rev Fr Hematol** 1990;32(6):397–9 (14 ref.)

THERAPY

The management of follicular lymphoma. Lister TA. **Ann Oncol** 1991 Feb;2 Suppl 2:131–5 (33 ref.)

LYMPHOMA, FOLLICULAR, MIXED LYMPHOCYTIC-HISTIOCYTIC see **LYMPHOMA, MIXED-CELL, FOLLICULAR**

LYMPHOMA, FOLLICULAR, MIXED SMALL AND LARGE LYMPHOID see **LYMPHOMA, MIXED-CELL, FOLLICULAR**

LYMPHOMA, FOLLICULAR, SMALL AND LARGE CLEAVED-CELL see **LYMPHOMA, MIXED-CELL, FOLLICULAR**

LYMPHOMA, GIANT FOLLICULAR see **LYMPHOMA, FOLLICULAR**

LYMPHOMA, HIGH-GRADE

PATHOLOGY

[Results of multicenter treatment of highly malignant non-Hodgkin's lymphomas] Varga G, et al. **Orv Hetil** 1991 May 26;132(21):1125–8, 1131–3 (25 ref.) (Eng. Abstr.) **(Hun)**

THERAPY

[Alpha interferon in therapy of non-Hodgkin's lymphoma] Freund M, et al. **Onkologie** 1990 Dec;13(6):424–8 (44 ref.) (Eng. Abstr.) **(Ger)**

LYMPHOMA, HISTIOCYTIC see **LYMPHOMA, LARGE-CELL**

LYMPHOMA, HISTIOCYTIC, DIFFUSE see **LYMPHOMA, LARGE-CELL, DIFFUSE**

LYMPHOMA, INTERMEDIATE-GRADE

COMPLICATIONS

Syringomyelia secondary to compression of the cervical spinal cord by an extramedullary lymphoma. Hormigo A, et al. **Neurosurgery** 1990 Nov;27(5):834–6; discussion 836 (11 ref.)

DRUG THERAPY

The role of dose intensity in determining outcome in intermediate-grade non-Hodgkin's lymphoma. Meyer RM, et al. **J Clin Oncol** 1991 Feb;9(2):339–47 (42 ref.)

RADIOGRAPHY

[Prostatic invasion by lymphoma] de Sala O'Shea E, et al. **Actas Urol Esp** 1991 Jan–Feb;15(1):90–4 (14 ref.) (Eng. Abstr.) **(Spa)**

LYMPHOMA, LARGE-CELL

COMPLICATIONS

Focal Candida hepatitis in a patient with Richter's syndrome. Barone JG, et al. **N J Med** 1990 Sep;87(9):727–9 (14 ref.)

DIAGNOSIS

True histiocytic lymphoma. Levine EG, et al. **Semin Oncol** 1991 Feb;18(1):39–49 (56 ref.)
Angiotropic intravascular large-cell lymphoma (malignant angioendotheliomatosis): report of a case and review of the literature. Fredericks RK, et al. **Surg Neurol** 1991 Mar; 35(3):218–23 (27 ref.)

DRUG THERAPY

Cerebral angiotropic large cell lymphoma (neoplastic angioendotheliosis): therapeutic considerations. Williams DB, et al. **J Neurol Sci** 1991 May;103(1):16–21 (44 ref.)

IMMUNOLOGY

Lymphomatoid papulosis and Ki-1 (CD30)-positive cutaneous large cell lymphomas. Kaudewitz P, et al. **Semin Diagn Pathol** 1991 May;8(2):117–24 (46 ref.)

PATHOLOGY

The nature of Hodgkin and Reed-Sternberg cells, their association with EBV, and their relationship to anaplastic large-cell lymphoma. Stein H, et al. **Ann Oncol** 1991 Feb; 2 Suppl 2:33–8 (36 ref.)
Anaplastic large-cell Ki-1 malignant lymphomas. Recognition, biological and clinical implications. Kinney MC, et al. **Pathol Annu** 1991;26 Pt 1:1–24 (98 ref.)
[Lymphoma and the urogenital system: apropos of a case] Rodríguez Andres JA, et al. **Arch Esp Urol** 1990 Nov–Dec; 43(9):1023–5 (16 ref.) (Eng. Abstr.) **(Spa)**

LYMPHOMA, LARGE-CELL, DIFFUSE

COMPLICATIONS

Unusual case of crescentic glomerulonephritis associated with malignant lymphoma. A case report and review of the literature. Weinstein T, et al. **Am J Nephrol** 1990; 10(4):329–32 (10 ref.)
[Primary hepatic lymphoma in a patient with autoimmune hemolytic anemia and SLE] Yoshimoto T, et al. **Rinsho Ketsueki** 1990 Nov;31(11):1878–83 (16 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Compartment syndrome as a presentation of non-Hodgkin's lymphoma. Southworth SR, et al. **J Orthop Trauma** 1990; 4(4):470–3 (22 ref.)

ETIOLOGY

[Non-Hodgkin's lymphoma arising from the wall of old tuberculous empyema—a surgical case report] Ohno K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Sep; 38(9):1532–7 (19 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

Genotypic analyses of Richter's syndrome. Bernard DJ, et al. **Cancer** 1991 Feb 15;67(4):997–1002 (27 ref.)
[Richter's syndrome with identical immunoglobulin gene rearrangements] Ozaki S, et al. **Rinsho Ketsueki** 1991 Apr; 32(4):419–23 (13 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

[A primary malignant lymphoma of the appendix] Shimada K, et al. **Gan No Rinsho** 1990 Sep;36(11):2086–91 (28 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Primary renal lymphoma. Harris GJ, et al. **J Surg Oncol** 1991 Apr;46(4):273–7 (19 ref.)

THERAPY

Diffuse "histiocytic" lymphoma. Vose JM, et al. **Semin Oncol** 1991 Feb;18(1):50–60 (101 ref.)

LYMPHOMA, LARGE-CELL, DIFFUSE, UNDIFFERENTIATED see **LYMPHOMA, LARGE-CELL, DIFFUSE**

LYMPHOMA, LARGE-CELL, IMMUNOBLASTIC

see related
LYMPHOMA, T-CELL, PERIPHERAL

LYMPHOMA, LARGE LYMPHOID, DIFFUSE see LYMPHOMA, LARGE-CELL, DIFFUSE

LYMPHOMA, LOW-GRADE

THERAPY

[Alpha interferon in therapy of non-Hodgkin's lymphoma] Freund M, et al. **Onkologie** 1990 Dec;13(6):424–8 (44 ref.) (Eng. Abstr.) **(Ger)**

LYMPHOMA, LYMPHOBLASTIC

see related
LEUKEMIA, T-CELL, ACUTE

LYMPHOMA, LYMPHOCYTIC see LYMPHOMA, SMALL-CELL

LYMPHOMA, LYMPHOCYTIC, DIFFUSE, WELL-DIFFERENTIATED see LYMPHOMA, SMALL LYMPHOCYTIC

LYMPHOMA, LYMPHOCYTIC, NODULAR, POORLY-DIFFERENTIATED see LYMPHOMA, SMALL CLEAVED-CELL, FOLLICULAR

LYMPHOMA, LYMPHOCYTIC, PLASMACYTOID see LYMPHOMA, SMALL-CELL

LYMPHOMA, LYMPHOCYTIC, WELL-DIFFERENTIATED see LYMPHOMA, SMALL LYMPHOCYTIC

LYMPHOMA, LYMPHOPLASMACYTOID, CLL see LYMPHOMA, SMALL LYMPHOCYTIC

LYMPHOMA, MEDITERRANEAN see IMMUNOPROLIFERATIVE SMALL INTESTINAL DISEASE

LYMPHOMA, MIXED-CELL, DIFFUSE

COMPLICATIONS

[A case of malignant lymphoma with multiple lymphomatous polyposis of the colon associated with chylothorax and chylous ascites] Ayabe T, et al.
Nippon Shokakibyo Gakkai Zasshi 1990 Jul;87(7):1556–62 (22 ref.) **(Jpn)**

LYMPHOMA, MIXED-CELL, FOLLICULAR

SURGERY

Primary renal lymphoma. Harris GJ, et al. **J Surg Oncol** 1991 Apr;46(4):273–7 (19 ref.)

LYMPHOMA, MIXED SMALL AND LARGE CELL, DIFFUSE see LYMPHOMA, MIXED-CELL, DIFFUSE

LYMPHOMA, NODULAR see LYMPHOMA, FOLLICULAR

LYMPHOMA, NODULAR, MIXED LYMPHOCYTIC-HISTIOCYTIC see LYMPHOMA, MIXED-CELL, FOLLICULAR

LYMPHOMA, NODULAR, MIXED SMALL AND LARGE CELL see LYMPHOMA, MIXED-CELL, FOLLICULAR

LYMPHOMA, NON-HODGKIN'S

Lymphomas. Longo DL, et al.
Cancer Chemother Biol Response Modif 1990;11:343–78 (231 ref.)
Prognostic factors in lymphomas: the contribution of immunophenotyping and molecular studies. Berger MS.
Curr Opin Immunol 1989–90;2(5):719–22 (20 ref.)
Nonsquamous tumors of the head and neck in the geriatric population. Becker SP, et al.
Otolaryngol Clin North Am 1990 Dec;23(6):1141–57 (44 ref.)
Childhood Hodgkin and non-Hodgkin lymphomas. Leventhal BG, et al. **Pediatr Rev** 1990 Dec;12(6):171–9 (5 ref.)
[Prostatic location as the manifestation of lymphoma] de Gennes C, et al. **Ann Urol (Paris)** 1990;24(7):545–7 (5 ref.) (Eng. Abstr.) **(Fre)**
[Primary lymphoma of the central nervous system. Review of recent literature data] Socie G, et al.
Bull Cancer (Paris) 1991;78(2):133–44 (74 ref.) (Eng. Abstr.) **(Fre)**
[Immunopathologic classification of and cytogenetic findings in non-Hodgkin's lymphoma] Alvarez Guisasola FJ, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 43:137–45 (20 ref.) **(Spa)**
[Primary gastric lymphoma: incidence, prognostic factors and effect of treatment with chemotherapy] Lobato-Mendizábal E, et al. **Sangre (Barc)** 1990 Aug; 35(4):257–62 (22 ref.) (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

[New experiences strengthen the connection between dioxins, phenoxy acids and malignant tumors] Eriksson M, et al. **Lakartidningen** 1991 Jun 12;88(24):2210–1 (23 ref.) **(Swe)**

CLASSIFICATION

Lymphocytic leukemia and lymphomas. Drexler HG, et al. **Immunol Ser** 1990;53:243–64 (61 ref.)
Non-Hodgkin's lymphoma. Biologic classification and implication for therapy. Kurtzberg J, et al.
Pediatr Clin North Am 1991 Apr;38(2):443–56 (89 ref.)
[Biology and differentiation of lymphocytes in the classification of lymphomas] Mariuzzi G, et al.
Recenti Prog Med 1990 Oct;81(10):621–8 (36 ref.) (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Acquired immunodeficiency syndrome and non-Hodgkin's lymphomas. Karp JE, et al. **Cancer Res** 1991 Sep 15; 51(18):4743–56 (116 ref.)
1,25-Dihydroxyvitamin D-related hypercalcemia in lymphoma: two case reports. Devogelaer JP, et al.
Clin Rheumatol 1990 Sep;9(3):404–10 (39 ref.)
Uraemia--a rare presentation of non-Hodgkin's lymphoma. Badve SS, et al. **Indian J Cancer** 1990 Dec;27(4):217–9 (5 ref.)
Rapidly progressive glomerulonephritis and systemic vasculitis in non-Hodgkin lymphoma. Poch E, et al.
Nephrol Dial Transplant 1991;6(1):51–4 (20 ref.)
[Cardiac tamponade as presentation form of lymphoma. Presentation of a case and review of the literature] Nicolás JM, et al. **An Med Interna** 1990 Feb;7(2):77–9 (16 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Diagnostic imaging evaluation of Hodgkin's disease and non-Hodgkin's lymphoma. Castellino RA. **Cancer** 1991 Feb 15;67(4 Suppl):1177–80 (12 ref.)
The polymerase chain reaction: a new tool for the detection of minimal residual disease in haematological malignancies. Fey MF, et al. **Eur J Cancer** 1991;27(1):89–94 (54 ref.)
[The morphological diagnosis of malignant non-Hodgkin's lymphomas (lymphosarcomas)] Probatova NA.
Arkh Patol 1990;52(9):72–5 (73 ref.) (Eng. Abstr.) **(Rus)**
[Gastric non-Hodgkin's lymphoma and adenocarcinoma (letter)] García Girón C, et al. **An Med Interna** 1989 Dec; 6(12):656–7 (9 ref.) **(Spa)**
[Gastric adenocarcinoma following the treatment of a gastric non-Hodgkin's lymphoma] García-Girón C, et al.
Med Clin (Barc) 1990 Nov 24;95(18):698–701 (37 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Therapy for childhood non-Hodgkin's lymphomas, nonlymphoblastic type. Review of recent studies and current recommendations. Nachman J.
Am J Pediatr Hematol Oncol 1990 Fall;12(3):359–66 (13 ref.)
The place of third-generation regimens in the treatment of adult aggressive non-Hodgkin's lymphoma. Armitage JO.
Ann Oncol 1991 Jan;2 Suppl 1:37–41 (40 ref.)
Long-term follow-up of ProMACE-CytaBOM in non-Hodgkin's lymphomas. Fisher RI, et al. **Ann Oncol** 1991 Jan;2 Suppl 1:33–5 (11 ref.)
Chemotherapy of non-Hodgkin's lymphomas. Cavalli F.
Baillieres Clin Haematol 1991 Jan;4(1):157–79 (72 ref.)
Methotrexate and leucovorin in malignant blood diseases. Jolivet J. **Baillieres Clin Haematol** 1991 Jan;4(1):1–13 (64 ref.)
Chemotherapy for non-Hodgkin's lymphoma. Brusamolino E. **Curr Opin Oncol** 1989 Oct;1(1):32–41 (45 ref.)
Modern chemotherapeutic regimens in the management of aggressive non-Hodgkin lymphoma: can they be improved? Inwards DJ, et al. **Eur J Cancer** 1991;27(4):510–3 (31 ref.)
[A bulky mass non-Hodgkin's lymphoma with dysuria in the rectovesical space] Tosaka A, et al. **Hinyokika Kiyo** 1990 Jun;36(6):701–5 (20 ref.) (Eng. Abstr.) **(Jpn)**
[Chemotherapy of malignant lymphoma, with special regard to non-Hodgkin's lymphomas] Sakano T.
Rinsho Ketsueki 1991 May;32(5):453–60 (5 ref.) (Eng. Abstr.) **(Jpn)**

EPIDEMIOLOGY

Primary breast lymphoma. Misra A, et al. **J Surg Oncol** 1991 Aug;47(4):265–70 (36 ref.)

ETIOLOGY

The occurrence of opportunistic non-Hodgkin's lymphomas in the setting of infection with the human immunodeficiency virus. Pluda JM, et al. **Ann Oncol** 1991 Feb;2 Suppl 2:191–200 (111 ref.)
Kaposi's sarcoma and lymphoma of the gut in AIDS. Friedman SL. **Baillieres Clin Gastroenterol** 1990 Jun; 4(2):455–75 (104 ref.)
Urological manifestations of HIV-related disease. A case of AIDS-associated testicular seminoma, Kaposi's sarcoma and possible intracranial lymphoma. Green ST, et al.
Br J Urol 1991 Feb;67(2):188–90 (25 ref.)
AIDS-associated non-Hodgkin's lymphoma. Kaplan LD.
Curr Opin Oncol 1989 Oct;1(1):62–7 (11 ref.)
Molecular pathogenesis of AIDS-associated non-Hodgkin's lymphoma. Shiramizu B, et al.
Hematol Oncol Clin North Am 1991 Apr;5(2):323–30 (32 ref.)
The oral manifestations of HIV infection. Jordan RC, et al.
J Can Dent Assoc 1991 Jan;57(1):59–61 (13 ref.)
Oral manifestations of HIV infection and their management. II. Less common lesions. Scully C, et al.
Oral Surg Oral Med Oral Pathol 1991 Feb;71(2):167–71 (96 ref.)

GENETICS

Gastrointestinal non-Hodgkin's lymphoma. Hickish T, et al.
Baillieres Clin Gastroenterol 1990 Mar;4(1):191–200 (41 ref.)
The bcl-2 gene and protein in malignant lymphomas. Cleary ML. **Bull Cancer (Paris)** 1991;78(2):187–93 (27 ref.)
Oncogenes and cancer: clinical applications. Fishleder AJ.
Cleve Clin J Med 1990 Nov-Dec;57(8):721–6 (35 ref.)
The new genetics and non-Hodgkin lymphoma. Dyer MJ.
Eur J Cancer 1990;26(10):1099–102 (26 ref.)
[The role of HLA antigens class II in differentiation of normal and pathological B-lymphocytes. II. HLA-D expression in leukemia and non-Hodgkin's lymphoma] Pluta A. **Acta Haematol Pol** 1990 Jan-Jun;21(1):118–23 (37 ref.) **(Pol)**

IMMUNOLOGY

Immunophenotypic analysis of non-Hodgkin's lymphomas. La Via MF, et al. **Recenti Prog Med** 1990 Oct;81(10):629–34 (16 ref.)

MICROBIOLOGY

Viral oncogenesis: Epstein-Barr virus. Gaffey MJ, et al.
Am J Otolaryngol 1990 Nov-Dec;11(6):375–81 (61 ref.)

MORTALITY

Prognostic factors in non-Hodgkin's lymphoma. Tondini C.
Curr Opin Oncol 1990 Oct;2(5):849–54 (21 ref.)

NURSING

HIV-related non-Hodgkin's lymphoma. Stanley H, et al.
Oncol Nurs Forum 1991 Jul;18(5):875–80 (34 ref.)

PATHOLOGY

Pheno- and genotypic characteristics of human non-Hodgkin lymphoma xenografts. Kopper L, et al.
Acta Histochem Suppl 1990;39:455–9 (18 ref.)
Current recommendations for the staging and restaging of lymphoma. Ultmann JE, et al. **Curr Opin Oncol** 1989 Oct; 1(1):17–22 (7 ref.)
Prognostic significance of neoplastic cell proliferation parameters in human haematological malignancies. Kotelnikov VM. **Folia Haematol (Leipz)** 1990;117(3):391–7 (46 ref.)
Rectal non-Hodgkin's lymphoma: a clinicopathologic study and review. Gottlieb CA, et al.
Henry Ford Hosp Med J 1990;38(4):255–8 (23 ref.)
Non-Hodgkin's lymphomas of mantle zone origin. Weisenburger DD, et al. **Pathol Annu** 1991;26 Pt 1:139–58 (44 ref.)
[Malignant primary non-Hodgkin's lymphoma of the central nervous system. Anatomo-clinical analysis of 35 cases] Vergier B, et al. **Ann Pathol** 1990;10(4):268–74 (45 ref.) (Eng. Abstr.) **(Fre)**
[Primary mammary focus of malignant non-Hodgkin's lymphoma. Apropos of 10 cases] Abbes M, et al.
J Chir (Paris) 1991 Feb;128(2):65–70 (22 ref.) (Eng. Abstr.) **(Fre)**
[Benign (reactive) lymphoproliferation or malignant lymphoma?] Wilms K. **Z Gesamte Inn Med** 1991 Mar; 46(3):53–8 (15 ref.) (Eng. Abstr.) **(Ger)**
[Results of multicenter treatment of highly malignant non-Hodgkin's lymphomas] Varga G, et al. **Orv Hetil** 1991 May 26;132(21):1125–8, 1131–3 (25 ref.) (Eng. Abstr.) **(Hun)**

RADIOGRAPHY

CT of lymphoma: spectrum of disease. Fishman EK, et al.
Radiographics 1991 Jul;11(4):647–69 (66 ref.)
The non-Hodgkin lymphomas: practical concepts for the diagnostic radiologist [published erratum appears in Radiology 1991 May;179(2):586] Castellino RA.
Radiology 1991 Feb;178(2):315–21 (29 ref.)

RADIOTHERAPY

Current status of radiotherapy and combined treatment modalities. Mauch P. **Curr Opin Oncol** 1989 Oct;1(1):23–8 (21 ref.)
Alternating chemotherapy and radiotherapy combination for

bulky stage I and II intermediate and high grade non-Hodgkin lymphoma: an update. Cosset JM, et al. **Radiother Oncol** 1991 Jan;20(1):30-7 (51 ref.)

A radiotherapeutic experience for localized extranodal non-Hodgkin's lymphoma: prognostic factors and re-evaluation of treatment modality. Tsutsui K, et al. **Radiother Oncol** 1991 Jun;21(2):83-90 (32 ref.)

SURGERY

Bone marrow transplantation for Hodgkin's disease, non-Hodgkin's lymphoma and multiple myeloma. Vose JM, et al. **Cancer Treat Res** 1990;50:259-78 (80 ref.)

Marrow transplantation in the treatment of patients with lymphoma. Appelbaum FR. **Curr Opin Oncol** 1989 Oct; 1(1):47-54 (22 ref.)

Autologous bone marrow transplantation for non-Hodgkin's lymphoma. McMillan AK, et al. **Eur J Haematol** 1991 Mar; 46(3):129-35 (32 ref.)

THERAPY

The present status of therapy for patients with aggressive non-Hodgkin's lymphoma. Vose JM, et al. **Ann Oncol** 1991 Feb;2 Suppl 2:171-6 (60 ref.)

Prognostic factors in the non-Hodgkin's lymphomas—a time for consensus? [editorial] Child JA. **Br J Cancer** 1991 Jun; 63(6):837-40 (43 ref.)

The use of hematopoietic growth factors in HIV infection and AIDS-related malignancies. Miles SA. **Cancer Invest** 1991;9(2):229-38 (40 ref.)

Controversies in the management of non-Hodgkin lymphoma. Engert A, et al. **Eur J Cancer** 1991;27(3):309-15 (88 ref.)

The therapy of primary brain lymphoma. Hochberg FH, et al. **J Neurooncol** 1991 Jun;10(3):191-201 (66 ref.)

Lymphomas in the elderly. Fiorentino MV. **Leukemia** 1991; 5 Suppl 1:79-85 (40 ref.)

Non-Hodgkin's lymphoma. Biologic classification and implication for therapy. Kurtzberg J, et al. **Pediatr Clin North Am** 1991 Apr;38(2):443-56 (89 ref.)

[Primary non-Hodgkin's high grade malignant lymphoma of the digestive system. A prospective study of the combination of surgery-chemotherapy-radiotherapy] Renou P, et al. **Bull Cancer (Paris)** 1990;77(8):811-20 (28 ref.) (Eng. Abstr.) **(Fre)**

[Primary non-Hodgkin lymphomas of the central nervous system] Hutschenreuter M, et al. **Nervenarzt** 1991 Feb; 62(2):69-79 (119 ref.) (Eng. Abstr.) **(Ger)**

[Alpha interferon in therapy of non-Hodgkin's lymphoma] Freund M, et al. **Onkologie** 1990 Dec;13(6):424-8 (44 ref.) (Eng. Abstr.) **(Ger)**

[AIDS tumors] Hehlmann R, et al. **Verh Dtsch Ges Inn Med** 1990;96:534-9 (10 ref.) **(Ger)**

[Therapy with alpha-interferon in non-Hodgkin's lymphoma with a low grade of malignancy (correct title supplied from Table of Contents)] Chisesi T. **Haematologica** 1990 Jul-Aug;75 Suppl 4:72-7 (14 ref.) **(Ita)**

[Successful treatment of non-Hodgkin's lymphoma with consciousness disturbance due to hypercalcemia by the calcium-free hemodialysis and combined chemotherapy] Chou T, et al. **Rinsho Ketsueki** 1991 May;32(5):542-7 (12 ref.) (Eng. Abstr.) **(Jpn)**

[The treatment of non-Hodgkin's lymphomas] Montserrat E. **Med Clin (Barc)** 1990 Dec 1;95(19):743-52 (153 ref.) **(Spa)**

ULTRASONOGRAPHY

[Abdominal ultrasound diagnosis of malignant lymphomas] Plat M, et al. **Gastroenterol J** 1990;50(3):117-23 (40 ref.) (Eng. Abstr.) **(Ger)**

LYMPHOMA, PLEOMORPHIC see **LYMPHOMA, UNDIFFERENTIATED**

LYMPHOMA, SMALL AND LARGE CLEAVED-CELL, DIFFUSE see **LYMPHOMA, MIXED-CELL, DIFFUSE**

LYMPHOMA, SMALL-CELL

DRUG THERAPY

[Massive bilateral non-Hodgkin's lymphoma of the adrenal glands] Arai N, et al. **Rinsho Ketsueki** 1990 Sep; 31(9):1576-80 (15 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

[Primary lymphoma of the bladder] Pecze K, et al. **Orv Hetil** 1990 Sep 9;131(36):1979-81 (27 ref.) (Eng. Abstr.) **(Hun)**

LYMPHOMA, SMALL CLEAVED-CELL, FOLLICULAR

PATHOLOGY

[Primary lymphoma of the parotid. Presentation of a new case] Pila Pérez R, et al. **Acta Otorrinolaringol Esp** 1991 Jan-Feb;42(1):54-6 (19 ref.) (Eng. Abstr.) **(Spa)**

LYMPHOMA, SMALL FOLLICULAR CENTER-CELL see **LYMPHOMA, SMALL CLEAVED-CELL, FOLLICULAR**

LYMPHOMA, SMALL LYMPHOCYTIC

see related **LEUKEMIA, LYMPHOCYTIC, CHRONIC**

COMPLICATIONS

[Double gastric neoplasia (lymphoma/adenocarcinoma) associated with alpha-1 antitrypsin deficiency. Presentation of a case and review of the literature] Hernández Batuecas I, et al. **An Med Interna** 1989 Jan;6(1):29-32 (22 ref.) (Eng. Abstr.) **(Spa)**

LYMPHOMA, SMALL LYMPHOCYTIC, PLASMACYTOID see **LYMPHOMA, SMALL LYMPHOCYTIC**

LYMPHOMA, SMALL LYMPHOID, FOLLICULAR see **LYMPHOMA, SMALL CLEAVED-CELL, FOLLICULAR**

LYMPHOMA, SMALL NONCLEAVED-CELL

DIAGNOSIS

Non-Hodgkin's lymphoma presenting as a rectal polyp in a child. Pais RC, et al. **J Pediatr Surg** 1990 Dec; 25(12):1280-2 (36 ref.)

PATHOLOGY

Small non-cleaved cell lymphoma in adults. Mashal RD, et al. **Am J Hematol** 1991 Sep;38(1):40-7 (73 ref.)

LYMPHOMA, T-CELL

Primary central nervous system T-cell lymphoma. Case report. Bednar MM, et al. **J Neurosurg** 1991 Apr; 74(4):668-72 (31 ref.)

Diffuse infiltrating T-cell lymphoma of the colon associated with polyclonal hypergammaglobulinemia and hepatocellular carcinoma: report of a case. Nagai T, et al. **Jpn J Med** 1991 Jan-Feb;30(1):57-63 (31 ref.)

COMPLICATIONS

Chromosomal abnormalities in T-cell malignant lymphoma. Berger R. **Bull Cancer (Paris)** 1991;78(3):283-90 (49 ref.)

Technetium-99m-methylene diphosphonate (MDP) uptake in a sympathetic effusion: an index of malignancy and a review of the literature. Cole TJ, et al. **J Nucl Med** 1991 Feb;32(2):325-7 (7 ref.)

DIAGNOSIS

[Pleomorphic T-cell lymphoma. Its diagnosis and the therapeutic possibilities] Lob S, et al. **Dtsch Med Wochenschr** 1991 Jun 21;116(25):986-91 (30 ref.) **(Ger)**

DRUG THERAPY

[Treatment of infantile non-Hodgkin's lymphoma] Bernacer Borja M. **An Esp Pediatr** 1990 Nov;33 Suppl 43:149-54 (10 ref.) **(Spa)**

ETIOLOGY

Angiocentric immunoproliferative lesion/T-cell non-Hodgkin's lymphoma and the acquired immune deficiency syndrome: a case report and review of the literature. Gold JE, et al. **Cancer** 1990 Dec 1;66(11):2407-13 (74 ref.)

GENETICS

Occurrence of high-grade T-cell lymphoma in a patient with Philadelphia chromosome-negative chronic myelogenous leukemia with breakpoint cluster region rearrangement: case report and review of the literature. Djulbegović B, et al. **Am J Hematol** 1991 Jan;36(1):63-4 (9 ref.)

T-cell receptor gene rearrangements and the diagnosis of human T-cell neoplasms. Cossman J, et al. **Crit Rev Oncol Hematol** 1990;10(3):267-81 (223 ref.)

MICROBIOLOGY

Viral oncogenesis: Epstein-Barr virus. Gaffey MJ, et al. **Am J Otolaryngol** 1990 Nov-Dec;11(6):375-81 (61 ref.)

PATHOLOGY

Tumor progression in malignant lymphomas. Warnke RA. **Bull Cancer (Paris)** 1991;78(2):181-6 (30 ref.)

Immunocytochemical evidence of lymphocytic derivation of neoplastic cells in malignant angioendotheliomatosis. Clark WC, et al. **J Neurosurg** 1991 May;74(5):757-62 (31 ref.)

[A case of primary hepatic lymphoma] Kubo Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Feb;88(2):190-5 (16 ref.) **(Jpn)**

ULTRASTRUCTURE

[T gamma-lymphoproliferative disease] Magyarlaki T, et al. **Orv Hetil** 1990 Nov 11;131(45):2489-94 (28 ref.) (Eng. Abstr.) **(Hun)**

LYMPHOMA, T-CELL, CUTANEOUS

DIAGNOSIS

Immunohistological markers for the diagnosis of cutaneous lymphomas. Ralfkiaer E. **Semin Diagn Pathol** 1991 May; 8(2):62-72 (62 ref.)

[Malignant lymphoma of the skin—especially cutaneous T-cell lymphoma] Nakajima H. **Nippon Hifuka Gakkai Zasshi** 1990 Nov;100(13):1336-8 (12 ref.) **(Jpn)**

GENETICS

Variants of mycosis fungoides and related cutaneous T-cell lymphomas. LeBoit PE. **Semin Diagn Pathol** 1991 May; 8(2):73-81 (34 ref.)

IMMUNOLOGY

Immunology of cutaneous T-cell lymphoma. Heald P, et al. **J Natl Cancer Inst** 1991 Mar 20;83(6):400-4 (46 ref.)

Lymphomatoid papulosis and Ki-1 (CD30)-positive cutaneous large cell lymphomas. Kaudewitz P, et al. **Semin Diagn Pathol** 1991 May;8(2):117-24 (46 ref.)

PATHOLOGY

Comparative study of cutaneous T-cell lymphoma and adult T-cell leukemia/lymphoma. Clinical, histopathologic, and immunohistochemical analyses. Nagatani T, et al. **Cancer** 1990 Dec 1;66(11):2380-6 (34 ref.)

The morphologic spectrum of T-cell lymphomas of the skin: a proposal for a new classification. Kerl H, et al. **Semin Diagn Pathol** 1991 May;8(2):55-61 (28 ref.)

Cutaneous pseudo-T-cell lymphomas. Rijlaarsdam U, et al. **Semin Diagn Pathol** 1991 May;8(2):102-8 (49 ref.)

RADIOTHERAPY

Total-skin electron irradiation for cutaneous T-cell lymphoma: the Northern Israel Oncology Center experience. Kuten A, et al. **Strahlenther Onkol** 1991 Jul; 167(7):392-6 (25 ref.)

THERAPY

The therapeutic role of interferons and monoclonal antibodies in cutaneous T-cell lymphomas. Bunn PA Jr, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):209S-212S (29 ref.)

Cutaneous T-cell lymphoma. Gilyon K, et al. **Oncol Nurs Forum** 1991 Jul;18(5):901-8 (48 ref.)

Cutaneous T-cell lymphoma. McFadden ME. **Semin Oncol Nurs** 1991 Feb;7(1):36-44 (47 ref.)

LYMPHOMA, T-CELL, PERIPHERAL

Peripheral T-cell lymphoma in Japan: recent progress. Shimoyama M. **Ann Oncol** 1991 Feb;2 Suppl 2:157-62 (28 ref.)

COMPLICATIONS

Ki-1+ anaplastic large-cell lymphoma of T-cell origin in an HIV-infected patient. González-Clemente JM, et al. **AIDS** 1991 Jun;5(6):751-5 (38 ref.)

PATHOLOGY

Peripheral T-cell lymphomas. Stein H, et al. **Ann Oncol** 1991 Feb;2 Suppl 2:163-9 (30 ref.)

LYMPHOMA, UNDIFFERENTIATED

DIAGNOSIS

[Pleomorphic T-cell lymphoma. Its diagnosis and the therapeutic possibilities] Lob S, et al. **Dtsch Med Wochenschr** 1991 Jun 21;116(25):986-91 (30 ref.) **(Ger)**

LYMPHOMA, UNDIFFERENTIATED, DIFFUSE see **LYMPHOMA, SMALL NONCLEAVED-CELL**

LYMPHOMATOID GRANULOMATOSIS

DIAGNOSIS

[Lymphomatoid granulomatosis: a clinical case] Lavados M, et al. **Rev Med Chil** 1990 May;118(5):555-61 (17 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Wegener's granulomatosis and other systemic granulomatous conditions. Leavitt RY, et al. **Curr Opin Rheumatol** 1990 Feb;2(1):55-9 (16 ref.)

LYMPHOMATOSIS VIRUS, AVIAN see **AVIAN LEUKOSIS VIRUSES**

LYMPHOPENIA

see related
LYMPHOCYTE DEPLETION

ETIOLOGY

[Effect of surgical stress on cytotoxicity of the natural killer cells] Zlochevskaia LL. **Klin Khir** 1990;(8):42–7 (74 ref.) **(Rus)**

LYMPHOPLASMACYTOID LYMPHOMA, CLL see **LYMPHOMA, SMALL LYMPHOCYTIC**

LYMPHOPROLIFERATIVE DISORDERS

Lymphoproliferative disorders of the head and neck. Green JD Jr, et al. **Am J Otolaryngol** 1991 Jan–Feb;12(1):26–32 (15 ref.)

Severe chronic active Epstein–Barr virus infection syndrome. Okano M, et al. **Clin Microbiol Rev** 1991 Jan;4(1):129–35 (33 ref.)

BLOOD

Soluble molecules in lymphoproliferative disorders. Vinante F, et al. **Leukemia** 1991;5 Suppl 1:18–21 (45 ref.)

CHEMICALLY INDUCED

Lymphoproliferative disorders associated with carbamazepine. Katzin WE, et al. **Arch Pathol Lab Med** 1990 Dec;114(12):1244–8 (52 ref.)

COMPLICATIONS

[Leukocytoclastic vasculitis and malignant hematologic diseases. (12 cases)] Beylot J, et al. **Rev Med Interne** 1989 Nov–Dec;10(6):509–14 (28 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Cutaneous lymphoproliferative disorders: an assessment of recent investigative techniques. Slater DN. **Br J Dermatol** 1991 Apr;124(4):309–23 (138 ref.)

Monoclonal antibodies for diagnosis and therapy of lymphoproliferative diseases. Campana D, et al. **Turk J Pediatr** 1990 Apr–Jun;32(2):143–51 (40 ref.)

DRUG THERAPY

Chemotherapy of chronic haematological malignancies. Ho AD. **Baillieres Clin Haematol** 1991 Jan;4(1):197–221 (119 ref.)

Issues for the future development of fludarabine phosphate. Cheson BD. **Semin Oncol** 1990 Oct;17(5 Suppl 8):71–8 (35 ref.)

ETIOLOGY

Lymphoproliferative diseases in disorders of the immune system. Penn I. **Cancer Detect Prev** 1990;14(4):415–22 (68 ref.)

Immune deficiency as a risk factor in Epstein–Barr virus–induced malignant diseases. Purtilo DT, et al. **Environ Health Perspect** 1990 Aug;88:225–30 (46 ref.)

GENETICS

Gene rearrangement studies in lymphoproliferative disorders of skin. Weiss LM, et al. **Adv Dermatol** 1988;3:141–60 (65 ref.)

IMMUNOLOGY

Analysis of immunoglobulin and T cell receptor genes. Part II: Possibilities and limitations in the diagnosis and management of lymphoproliferative diseases and related disorders. van Dongen JJ, et al. **Clin Chim Acta** 1991 Apr; 198(1–2):93–174 (388 ref.)

Mixed cryoglobulinemia cross-reactive idiotypes: implications for the relationship of MC to rheumatic and lymphoproliferative diseases. Gorevic PD, et al. **Semin Hematol** 1991 Apr;28(2):79–94 (147 ref.)

MICROBIOLOGY

Molecular and cellular events at the onset of the lymphoproliferative process induced by HTLV-I (human T-cell leukemia virus, type I). Gazzolo L, et al. **Bull Cancer (Paris)** 1991;78(3):291–8 (27 ref.)

Epstein-Barr virus lymphoproliferative disease associated with acquired immunodeficiency. Cohen JI. **Medicine (Baltimore)** 1991 Mar;70(2):137–60 (139 ref.)

PATHOLOGY

[Benign (reactive) lymphoproliferation or malignant lymphoma?] Wilms K. **Z Gesamte Inn Med** 1991 Mar; 46(3):53–8 (15 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Bone marrow transplantation. Vyas P, et al. **Practitioner** 1990 Jul 16;234(1492):732–4 (6 ref.)

LYMPHOSARCOMA see **LYMPHOMA, DIFFUSE**

LYMPHOTOXIN

CHEMISTRY

Human tumour necrosis factors-alpha and -beta: differences in their structure, expression and biological properties. Porter AG. **FEMS Microbiol Immunol** 1990 Nov;2(4):193–9 (56 ref.)

PHARMACOLOGY

[Current knowledge of characteristics and effects of alpha and beta tumor necrosis factors (cachectins)] Kolb E. **Z Gesamte Inn Med** 1991 Apr;46(5):139–44 (50 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

The role of TNF in diverse pathologic processes. Kunkel SL, et al. **Biotherapy** 1991;3(2):135–41 (40 ref.)

T-LYMPHOTROPIC VIRUS TYPE III ANTIBODIES, HUMAN see **HIV ANTIBODIES**

T-LYMPHOTROPIC VIRUS TYPE III ANTIGENS, HUMAN see **HIV ANTIGENS**

T-LYMPHOTROPIC VIRUS TYPE III INFECTIONS, HUMAN see **HIV INFECTIONS**

T-LYMPHOTROPIC VIRUS, TYPE III, SIMIAN see **SIV**

LYPRESSIN

ANALOGS & DERIVATIVES

[Chemotherapy of portal hypertension] Geller LI. **Klin Med (Mosk)** 1991 Apr;69(4):28–32 (58 ref.) **(Rus)**

LYSERGIC ACID DIETHYLAMIDE

PHARMACOLOGY

Antagonist properties of d-LSD at 5-hydroxytryptamine2 receptors. Pierce PA, et al. **Neuropsychopharmacology** 1990 Oct–Dec;3(5–6):503–8 (66 ref.)

LYSERGIDE see **LYSERGIC ACID DIETHYLAMIDE**

LYSINE

ADMINISTRATION & DOSAGE

Cholesterolemic effects of the lysine/arginine ratio in rabbits after initial early growth. Sánchez A, et al. **Arch Latinoam Nutr** 1988 Jun;38(2):229–38 (33 ref.)

[Lysine and human nutrition] Cynober L. **Ann Biol Clin (Paris)** 1991;49(1):40–4 (47 ref.) (Eng. Abstr.) **(Fre)**

BIOSYNTHESIS

Network rigidity and metabolic engineering in metabolite overproduction. Stephanopoulos G, et al. **Science** 1991 Jun 21;252(5013):1675–81 (49 ref.)

METABOLISM

Lysine–pipecolic acid metabolic relationships in microbes and mammals. Broquist HP. **Annu Rev Nutr** 1991;11:435–48 (48 ref.)

[Inborn errors of lysine metabolism] Divry P, et al. **Ann Biol Clin (Paris)** 1991;49(1):27–35 (97 ref.) (Eng. Abstr.) **(Fre)**

LYSINE VASOPRESSIN see **LYPRESSIN**

LYSOGENY

Temperate bacteriophages and lysogeny in lactic acid bacteria. Davidson BE, et al. **FEMS Microbiol Rev** 1990 Sep;7(1–2):79–90 (68 ref.)

LYSOSOMAL ALPHA-GLUCOSIDASE see **GLUCAN 1,4-ALPHA-GLUCOSIDASE**

LYSOSOMES

ENZYMOLOGY

Lysosomal storage of the DCCD reactive proteolipid subunit of mitochondrial ATP synthase in human and ovine ceroid lipofuscinoses. Palmer DN, et al. **Adv Exp Med Biol** 1989; 266:211–22; discussion 223 (41 ref.)

Lysosomal storage diseases. Neufeld EF. **Annu Rev Biochem** 1991;60:257–80 (182 ref.)

The role of lysosomes in the pathogenesis of unicameral bone cysts. Gerasimov AM, et al. **Clin Orthop** 1991 May; (266):53–63 (41 ref.)

Autoimmunity to lysosomal enzymes: new clues to vasculitis and glomerulonephritis? Kallenberg CG, et al. **Immunol Today** 1991 Feb;12(2):61–4 (42 ref.)

Ultrastructural distribution of NADPase within the Golgi apparatus and lysosomes of mammalian cells. Smith CE, et al. **Prog Histochem Cytochem** 1990;21(3):1–120 (166 ref.)

[An optimal method of determining the level of cathepsin A in blood platelet homogenates] Ostrowska H. **Rocz Akad Med Bialymst** 1988–89;33–34:33–41 (29 ref.) (Eng. Abstr.) **(Pol)**

METABOLISM

Targeting of cytosolic proteins to lysosomes for degradation. Dice JF, et al. **Crit Rev Ther Drug Carrier Syst** 1990; 7(3):211–33 (82 ref.)

The phagosome–lysosome membrane system and its regulation in Paramecium. Fok AK, et al. **Int Rev Cytol** 1990;123:61–94 (99 ref.)

A selective pathway for degradation of cytosolic proteins by lysosomes. Dice JF, et al. **Semin Cell Biol** 1990 Dec; 1(6):449–55 (35 ref.)

[Lysosomal membrane glycoproteins; structure, biosynthesis, and trafficking to lysosome] Fukuda M. **Seikagaku** 1990 Oct;62(10):1225–40 (61 ref.) **(Jpn)**

[Lysosomal cationic proteins in neutrophilic granulocytes during phagocytosis and inflammation] Kokriakov VN. **Vopr Med Khim** 1990 Nov–Dec;36(6):13–6 (37 ref.) (Eng. Abstr.) **(Rus)**

[Functional morphology of lysosomal cationic proteins in neutrophilic granulocytes] Mazing IuA. **Vopr Med Khim** 1990 Nov–Dec;36(6):8–10 (47 ref.) (Eng. Abstr.) **(Rus)**

LYSOZYME see **MURAMIDASE**

LYT 1 ANTIGEN see **ANTIGENS, LY**

M-CSF see **MACROPHAGE COLONY-STIMULATING FACTOR**

M PHASE see **MITOSIS**

M PHASE-PROMOTING FACTOR see **MATURATION-PROMOTING FACTOR**

MAC-1 ANTIGEN see **MACROPHAGE-1 ANTIGEN**

MACACA

SIV infection of macaques: a model for AIDS vaccine development. Gardner MB. **Dev Biol Stand** 1990;72:259–66 (28 ref.)

PHYSIOLOGY

Contributions of the amygdalar complex to behavior in macaque monkeys. Murray EA. **Prog Brain Res** 1991; 87:167–80 (74 ref.)

PSYCHOLOGY

Behavioral assessment of young nonhuman primates: perceptual-cognitive development. Grant-Webster KS, et al. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):543–6 (20 ref.)

MACACA FASCICULARIS

PHYSIOLOGY

Estrogen and progestin receptors in the macaque endometrium. Brenner RM, et al. **Ann N Y Acad Sci** 1991; 622:149–66 (39 ref.)

MACACA MULATTA

Immunologic and pathologic manifestations of the infection of rhesus monkeys with simian immunodeficiency virus of macaques. Letvin NL, et al. **J Acquir Immune Defic Syndr** 1990;3(11):1023–40 (35 ref.)

PHYSIOLOGY

Estrogen and progestin receptors in the macaque endometrium. Brenner RM, et al. **Ann N Y Acad Sci** 1991; 622:149–66 (39 ref.)

Regeneration in the primate uterus: the role of stem cells. Padykula HA. **Ann N Y Acad Sci** 1991;622:47–56 (24 ref.)

Role of estradiol in regulating ovarian follicular atresia in rhesus monkeys: a review. Hutz RJ, et al. **J Med Primatol** 1990;19(6):553–71 (46 ref.)

Prefrontal cortex in relation to other cortical areas in rhesus monkey: architecture and connections. Pandya DN, et al. **Prog Brain Res** 1990;85:63–94 (130 ref.)

PSYCHOLOGY

Use of monkey neonatal neurobehavioral test batteries in safety testing protocols. Golub MS. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):537–41 (19 ref.)

MACACA NEMESTRINA

PHYSIOLOGY

Estrogen and progestin receptors in the macaque endometrium. Brenner RM, et al. **Ann N Y Acad Sci** 1991; 622:149–66 (39 ref.)

MACAQUE see **MACACA**

MACHADO-JOSEPH DISEASE see **SPINOCEREBELLAR DEGENERATION**

MACHIAVELLIANISM

Effective limit setting. How to avoid being manipulated. DeLaune SC. **Nurs Clin North Am** 1991 Sep;26(3):757–64 (15 ref.)

MACHUPO VIRUS see **HEMORRHAGIC FEVER VIRUSES, AMERICAN**

MACROGLOBULINEMIA

COMPLICATIONS

[Central neurologic forms of Waldenström's disease. Bing–Neel syndrome. 3 cases] Neau JP, et al. **Rev Neurol (Paris)** 1991;147(1):56–60 (35 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Waldenström's macroglobulinemia and arthritis] Peris P, et al. **Med Clin (Barc)** 1990 Oct 27;95(14):545–7 (32 ref.) (Eng. Abstr.) **(Spa)**

MACROGLOSSIA

see related
BECKWITH–WIEDEMANN SYNDROME

Macroglossia: a review. Weiss LS, et al. **J La State Med Soc** 1990 Aug;142(8):13–6 (16 ref.)

MACROGOLS see **POLYETHYLENE GLYCOLS**

MACROLIDE ANTIBIOTICS see **ANTIBIOTICS, MACROLIDE**

MACROMOLECULAR SYSTEMS

see related
POLYMERS

Image analysis of single macromolecules. Frank J. **Electron Microsc Rev** 1989;2(1):53–74 (69 ref.)

[Small-angle X-ray scattering study of biological macromolecules in solution] Sato M. **Tanpakushitsu Kakusan Koso** 1990 Dec;35(16):2883–91 (36 ref.) **(Jpn)**

MACROPHAGE ACTIVATION

Mechanisms and modulation of macrophage activation. Nathan C. **Behring Inst Mitt** 1991 Feb;(88):200–7 (54 ref.)

Liposomal delivery of biological response modifiers to macrophages. Pak CC, et al. **Biotherapy** 1991;3(1):55–64 (77 ref.)

Role of gamma interferon in Toxoplasma gondii infection. Subauste CS, et al. **Eur J Clin Microbiol Infect Dis** 1991 Feb;10(2):58–67 (88 ref.)

Genetic control of innate resistance to mycobacterial infections. Schurr E, et al. **Immunol Today** 1991 Mar; 12(3):A42–5 (43 ref.)

Syndromes of inappropriate macrophage activation in childhood. Baruchel A, et al. **Nouv Rev Fr Hematol** 1990; 32(6):415–20 (66 ref.)

Macrophage activation and resistance to Trypanosoma cruzi infection. Russo N, et al. **Res Immunol** 1991 Feb; 142(2):144–6 (15 ref.)

DRUG EFFECTS

Drug delivery systems for antitumor activation of macrophages. Tabata Y, et al. **Crit Rev Ther Drug Carrier Syst** 1990;7(2):121–48 (223 ref.)

A new model of macrophage stimulation by bacterial lipopolysaccharide. Ulevitch RJ, et al. **J Trauma** 1990 Dec; 30(12 Suppl):S189–92 (25 ref.)

IMMUNOLOGY

Gamma interferon, cytokine-induced macrophage activation, and antimicrobial host defense. In vitro, in animal models, and in humans. Murray HW. **Diagn Microbiol Infect Dis** 1990 Sep–Oct;13(5):411–21 (67 ref.)

Microbicidal activities of Salmonella typhimurium- and interferon-gamma-activated mouse peritoneal macrophages. Langermans JA, et al. **Pathobiology** 1991; 59(3):189–93 (21 ref.)

Tumor necrosis factor-alpha: central regulatory cytokine in the induction of macrophage antimicrobial activities. Nacy CA, et al. **Pathobiology** 1991;59(3):182–4 (16 ref.)

The role of the macrophage in glomerular injury. Schreiner GF. **Semin Nephrol** 1991 May;11(3):268–75 (95 ref.)

PHYSIOLOGY

Role of nitric oxide synthesis in macrophage antimicrobial activity. Nathan CF, et al. **Curr Opin Immunol** 1991 Feb; 3(1):65–70 (62 ref.)

The role of cytokines in macrophage activation. Schultz RM. **Prog Drug Res** 1990;35:109–38 (230 ref.)

[Current knowledge of the mechanism of neutrophil granulocyte and macrophage activation for the formation of superoxide anions and of H2O2 and for the causes of defects in the NADPH-oxidase enzyme system involved] Kolb E. **Z Gesamte Inn Med** 1991 Apr;46(6):179–84 (40 ref.) (Eng. Abstr.) **(Ger)**

MACROPHAGE-1 ANTIGEN

PHYSIOLOGY

Role of CR3 in induced myelomonocytic recruitment: insights from in vivo monoclonal antibody studies in the mouse. Rosen H. **J Leukoc Biol** 1990 Nov;48(5):465–9 (39 ref.)

MACROPHAGE CHEMOTACTIC FACTORS see **CHEMOTACTIC FACTORS, MACROPHAGE**

MACROPHAGE CHEMOTAXINS see **CHEMOTACTIC FACTORS, MACROPHAGE**

MACROPHAGE COLONY-STIMULATING FACTOR

GENETICS

Molecular biology of macrophage colony-stimulating factor. Kawasaki ES, et al. **Immunol Ser** 1990;49:155–76 (57 ref.)

PHARMACOLOGY

The colony-stimulating factor 1 receptor: pleiotropy of signal-response coupling. Sherr CJ. **Lymphokine Res** 1990 Winter;9(4):543–8 (35 ref.)

PHYSIOLOGY

Control of proliferation by myeloid growth factors. Vallance SJ, et al. **Biochem Soc Trans** 1991 Apr;19(2):307–15 (126 ref.)

G-CSF and M-CSF: from molecular biology to clinical application. Herrmann F, et al. **Biotherapy** 1990;2(4):315–24 (97 ref.)

Macrophage colony-stimulating factor: biological effects and potential applications for cancer therapy. Bajorin DF, et al. **Semin Hematol** 1991 Apr;28(2 Suppl 2):42–8 (41 ref.)

THERAPEUTIC USE

G-CSF and M-CSF: from molecular biology to clinical application. Herrmann F, et al. **Biotherapy** 1990;2(4):315–24 (97 ref.)

MACROPHAGE-COLONY-STIMULATING FACTOR RECEPTOR see **RECEPTOR, MACROPHAGE COLONY-STIMULATING FACTOR**

MACROPHAGE-GRANULOCYTE INDUCER see **COLONY-STIMULATING FACTORS**

MACROPHAGE MIGRATION TEST see **CELL MIGRATION INHIBITION**

MACROPHAGES

see related
PHAGOCYTOSIS

Alveolar macrophage: origin, kinetics and relationship with cells of the alveolo-interstitial region. Pérez-Arellano JL, et al. **Allergol Immunopathol (Madr)** 1990 May–Jun; 18(3):175–83 (103 ref.)

The roles of inflammatory cells in the pathogenesis of asthma and of chronic obstructive pulmonary disease. Corrigan CJ, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1165–8; discussion 1175–6 (54 ref.)

Substance P innervation of spleen in rats: nerve fibers associate with lymphocytes and macrophages in specific compartments of the spleen. Lorton D, et al. **Brain Behav Immun** 1991 Mar;5(1):29–40 (77 ref.)

Interrelation of peptidergic innervation with mast cells and ED1-positive cells in rat thymus. Müller S, et al. **Brain Behav Immun** 1991 Mar;5(1):55–72 (97 ref.)

Macrophages and the nervous system. Perry VH, et al. **Int Rev Cytol** 1991;125:203–44 (183 ref.)

CYTOLOGY

High and low cytosolic Ca2+ induced macrophage death? Hypothesis. Van Rooijen N. **Cell Calcium** 1991 Jun; 12(6):381–4 (32 ref.)

Phenotypic characterization of macrophages in non-neoplastic lymph nodes. Bödewadt-Radzun S, et al. **Curr Top Pathol** 1990;84 (Pt 1):247–64 (26 ref.)

Macrophages in different compartments of the non-neoplastic lymph node. Kamperdijk EW, et al. **Curr Top Pathol** 1990;84 (Pt 1):219–45 (94 ref.)

The human leukemia cell line, THP-1: a multifacetted model for the study of monocyte-macrophage differentiation. Auwerx J. **Experientia** 1991 Jan 15;47(1):22–31 (114 ref.)

[Molecular aspects of proliferation and differentiation of human myeloid leukemia cell HL-60] Yamada M, et al. **Tanpakushitsu Kakusan Koso** 1991 Jan;36(1):41–53 (99 ref.) **(Jpn)**

[Active metabolites of vitamin D as regulators of proliferation and differentiation of monocyte-macrophage cells (review)] Pletsityi KD. **Vopr Med Khim** 1990 Sep–Oct; 36(5):2–4 (38 ref.) **(Rus)**

DRUG EFFECTS

Interaction of cancer chemotherapy agents with the mononuclear phagocyte system. Mantovani A, et al. **Prog Drug Res** 1990;35:487–519 (213 ref.)

ENZYMOLOGY

Macrophage phospholipase A2 activity and eicosanoid production: studies with phospholipase A2 inhibitors in P388D1 cells. Glaser KB, et al. **Adv Exp Med Biol** 1990; 275:1–16 (26 ref.)

IMMUNOLOGY

Inflammatory indices in chronic bronchitis. Monocyte-macrophage microbicidal activity. Nielson H. **Agents Actions Suppl** 1990;30:213–8 (14 ref.)

T cells, macrophages and platelets in asthma. Palma-Carlos AG, et al. **Allerg Immunol (Paris)** 1991 Jun;23(6):234–8 (24 ref.)

Cellular activation and releasability in asthma and in chronic obstructive pulmonary disease. Lee TH. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1162–4; discussion 1175–6 (32 ref.)

A role for macrophages in the pathogenesis of type 1 diabetes. Kolb-Bachofen V, et al. **Autoimmunity** 1989;3(2):145–54 (33 ref.)

The effector mechanism and vaccination against cutaneous leishmaniasis. Liew FY. **Behring Inst Mitt** 1991 Feb; (88):239–43 (26 ref.)

The interface between the Leishmania-infected macrophage and the host's immune system. Russell DG, et al. **Behring Inst Mitt** 1991 Feb;(88):68–79 (45 ref.)

Interferon-gamma: mechanism of action and therapeutic potential. Billiau A, et al. **Biochem Pharmacol** 1990 Oct 1;40(7):1433–9 (60 ref.)

Macrophages and allergic asthma. Lee TH, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:22–3 (6 ref.)

Macrophage-granulocyte interactions in allergic diseases. Lee TH. **Clin Exp Allergy** 1990 Sep;20(5):469–73 (39 ref.)

Tumor-associated macrophages. Mantovani A. **Curr Opin Immunol** 1989–90;2(5):689–92 (11 ref.)

Signals involved in interleukin 1 synthesis and release by lipopolysaccharide-stimulated monocytes/macrophages. Cavaillon JM, et al. **Cytokine** 1990 Sep;2(5):313–29 (210 ref.)

Macrophage products in inflammation. Keshav S, et al. **Diagn Microbiol Infect Dis** 1990 Sep–Oct;13(5):439–47 (62 ref.)

Immunology of interstitial lung diseases: cellular events taking place in the lung of sarcoidosis, hypersensitivity pneumonitis and HIV infection. Semenzato G. **Eur Respir J** 1991 Jan;4(1):94–102 (42 ref.)

The effector function of nitrogen oxides in host defense against parasites. James SL. **Exp Parasitol** 1991 Aug; 73(2):223–6 (19 ref.)

Alveolar macrophage biology. Holian A, et al. **Hosp Pract [Off]** 1990 Dec 15;25(12):53–62 (9 ref.)

Regulation of B-cell tolerance and triggering by macrophages and lymphoid dendritic cells. Phipps RP, et al. **Immunol Rev** 1990 Oct;117:135–58 (49 ref.)

The role of neutrophils and macrophages in host resistance to systemic fungal infections. Brummer E. **Immunol Ser** 1989;47:273–89 (80 ref.)

Lymphocytes play the music but the macrophage calls the tune. Solbach W, et al. **Immunol Today** 1991 Jan;12(1):4–6 (0 ref.)

The macrophage in tuberculosis: sinner or saint? The T cell decides. Kaufmann SH. **Pathobiology** 1991;59(3):153–5 (19 ref.)

Tumoricidal effector molecules of murine macrophages. Schwamberger G, et al. **Pathobiology** 1991;59(4):248–53 (50 ref.)

Avian inflammatory response: mediation by macrophages. Klasing KC. **Poult Sci** 1991 May;70(5):1176–86 (68 ref.)

Macrophages, metastasis and immunity. Phillips NC. **Prog Clin Biol Res** 1990;354A:257–70 (29 ref.)

The role of the macrophage in glomerular injury. Schreiner GF. **Semin Nephrol** 1991 May;11(3):268–75 (95 ref.)

[The relationship between the sympathetic nerves and immunocytes in the spleen] Saito H. **Kaibogaku Zasshi** 1991 Feb;66(1):8–19 (29 ref.) (Eng. Abstr.) **(Jpn)**

[The reticuloendothelial system of the liver in patients with peritonitis (diagnosis and correction of disorders)] Zhadkevich MM, et al. **Vestn Khir** 1990 Aug;145(8):149–53 (46 ref.) **(Rus)**

[The role of macrophages in the immunogenesis of plague] Vasil'eva GI. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Dec;(12):98–104 (50 ref.) **(Rus)**

METABOLISM

Modulation of ceroid accumulation in macrophages in vitro. Carpenter KL, et al. **Adv Exp Med Biol** 1989;266:333–43 (31 ref.)

Seasonal variation in the phagocytic activity and arachidonic-acid metabolism of human blood monocytes in healthy non-smokers, smokers and chronic bronchitics. Linden M, et al. **Agents Actions Suppl** 1990;30:121–32 (19 ref.)

Oxidation of lipoproteins and atherosclerosis. Luc G, et al. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):206S–209S (37 ref.)

Role of enzyme receptors and inhibitors in regulating

proteolytic activities of macrophages. Chapman HA Jr. **Ann N Y Acad Sci** 1991;624:87–96 (58 ref.)
Elastin degradation by mononuclear phagocytes. Shapiro SD, et al. **Ann N Y Acad Sci** 1991;624:69–80 (39 ref.)
Ceroid, macrophages and atherosclerosis. Mitchinson MJ, et al. **Biochem Soc Trans** 1990 Dec;18(6):1066–9 (54 ref.)
Regulation of cytoplasmic pH in phagocytic cell function and dysfunction. Grinstein S, et al. **Clin Biochem** 1991 Jun; 24(3):241–7 (33 ref.)
Monocyte/macrophage function in CAPD patients. Lewis SL, et al. **Contrib Nephrol** 1990;85:1–9 (23 ref.)
Nitrite from inflammatory cells—a cancer risk factor in ulcerative colitis? Roediger WE, et al. **Dis Colon Rectum** 1990 Dec;33(12):1034–6 (26 ref.)
Production of neuropeptides by inflammatory cells within the granulomas of murine schistosomiasis mansoni. Weinstock JV. **Eur J Clin Invest** 1991 Apr;21(2):145–53 (126 ref.)
Intracellular distribution and activity of antibiotics. Tulkens PM. **Eur J Clin Microbiol Infect Dis** 1991 Feb;10(2):100–6 (36 ref.)
Effect of pefloxacin on microorganism: host cell interaction. Desnottes JF, et al. **J Antimicrob Chemother** 1990 Oct;26 Suppl B:17–26 (30 ref.)
Cytokine-induced synthesis of nitrogen oxides in macrophages: a protective host response to Leishmania and other intracellular pathogens. Green SJ, et al. **J Leukoc Biol** 1991 Jul;50(1):93–103 (116 ref.)
Biochemistry and function of pteridine synthesis in human and murine macrophages. Werner ER, et al. **Pathobiology** 1991;59(4):276–9 (18 ref.)
Macrophages, endothelial cells, and lipoprotein oxidation in the pathogenesis of atherosclerosis. Rosenfeld ME, et al. **Toxicol Pathol** 1990;18(4 Pt 1):560–71 (64 ref.)
[Macrophage scavenger receptors: the membrane glycoproteins mediating endocytosis of denatured or modified substances] Kodama T, et al. **Seikagaku** 1991 May; 63(5):335–50 (26 ref.) **(Jpn)**
[The role of fibronectin in the pathogenesis of pneumoconiosis (review of the literature)] Iaglov VV, et al. **Gig Tr Prof Zabol** 1991;(2):29–30 (12 ref.) **(Rus)**

MICROBIOLOGY

Macrophages as susceptible targets for HIV infection, persistent viral reservoirs in tissue, and key immunoregulatory cells that control levels of virus replication and extent of disease. Meltzer MS, et al. **AIDS Res Hum Retroviruses** 1990 Aug;6(8):967–71 (25 ref.)
HIV-1, macrophages, glial cells, and cytokines in AIDS nervous system disease. Merrill JE, et al. **FASEB J** 1991 Jul;5(10):2391–7 (103 ref.)
Progress in the pathogenesis of Legionella pneumophila. Engleberg NC, et al. **Microb Pathog** 1991 Jan;10(1):11–3 (22 ref.)
Mechanisms of intrinsic macrophage—virus interactions in vitro. Wu L, et al. **Microb Pathog** 1990 Nov;9(5):293–301 (46 ref.)

PARASITOLOGY

The biology of Trypanosoma cruzi–macrophage interaction. de Araújo-Jorge TC. **Mem Inst Oswaldo Cruz** 1989 Oct–Dec;84(4):441–62 (169 ref.)

PATHOLOGY

Macrophage and tissue changes in the developmental phases of secondary lymphoedema and during conservative therapy with benzopyrone. Piller NB. **Arch Histol Cytol** 1990;53 Suppl:209–18 (67 ref.)
The macrophage as an initiator of atherosclerosis. Campbell JH, et al. **Clin Exp Pharmacol Physiol** 1991 Feb;18(2):81–4 (11 ref.)
Macrophages/reticulum cells in early and late phases of lymphogenous metastasis. Vollmer E, et al. **Curr Top Pathol** 1991;84 (Pt 2):49–79 (56 ref.)
[Colony stimulating factor (CSF)—various aspects of its therapeutic use] Zduńczyk A. **Pol Arch Med Wewn** 1990 Jul;84(1):44–53 (36 ref.) **(Pol)**

PHYSIOLOGY

Macrophage influence on smooth muscle phenotype in atherogenesis. Campbell GR, et al. **Adv Exp Med Biol** 1990; 273:147–59 (62 ref.)
Effects of extracellular ATP on mononuclear phagocytes. Steinberg TH, et al. **Ann N Y Acad Sci** 1990;603:120–9 (26 ref.)
Induction of immunopotentiation activity by a protein-bound polysaccharide, PSK (review). Sakagami H, et al. **Anticancer Res** 1991 Mar–Apr;11(2):993–9 (40 ref.)
Monocyte chemotactic proteins from human tumor cells. Graves DT, et al. **Biochem Pharmacol** 1991 Feb 1; 41(3):333–7 (44 ref.)
Increased susceptibility of malaria-infected variant erythrocytes to the mononuclear phagocyte system [see comments] Yuthavong Y, et al. **Blood Cells** 1990; 16(2–3):591–7 (48 ref.) Comment in: Blood Cells 1990;16(2–3):598–601. Comment in: Blood Cells 1990;16(2–3):602–4.
Host-pathogen relationships in respiratory tract infections. Verhoef J. **Clin Ther** 1991 Jan–Feb;13(1):172–80 (52 ref.)
Macrophage uptake of cholesterol-containing particles derived from LDL and isolated from atherosclerotic lesions. Hoff HF, et al. **Eur Heart J** 1990 Aug;11 Suppl E:105–15 (27 ref.)
Macrophages and ceroid in human atherosclerosis. Mitchinson MJ, et al. **Eur Heart J** 1990 Aug;11 Suppl E:116–21 (43 ref.)
Macrophage function and surgery. A clinical review with special reference to phagocytosis. Athlin L, et al. **Eur J Surg** 1991 Mar;157(3):163–70 (83 ref.)
Signal transduction mechanisms through Fc gamma receptors on the mouse macrophage surface. Suzuki T. **FASEB J** 1991 Feb;5(2):187–93 (56 ref.)
Interactions between inflammatory mediators in expression of antitumor cytostatic activity of macrophages [published erratum appears in Immunol Lett 1990 Dec;26(3):297] Bonta IL, et al. **Immunol Lett** 1990 Sep;25(4):295–301 (35 ref.)
Nonspecific defence mechanism: the role of nitric oxide. Liew FY, et al. **Immunol Today** 1991 Mar;12(3):A17–21 (75 ref.)
Contribution of electron microscopy in the study of the interactions between pathogenic bacteria and their host cells. Ryter A. **J Struct Biol** 1990 Jul–Sep;104(1–3):163–8 (30 ref.)
Current concepts in wound healing: growth factor and macrophage interaction. Cromack DT, et al. **J Trauma** 1990 Dec;30(12 Suppl):S129–33 (50 ref.)
Bioresorbable materials and macrophage interactions. Greisler HP. **J Vasc Surg** 1991 May;13(5):748–50 (12 ref.)
Muscle provides glutamine to the immune system. **Nutr Rev** 1990 Oct;48(10):390–2 (11 ref.)
The role of macrophages in the regulation of primary tumor growth. Walter S, et al. **Pathobiology** 1991;59(4):239–42 (25 ref.)
Current topic: the role of macrophages in the uterine response to pregnancy. Hunt JS. **Placenta** 1990 Nov–Dec; 11(6):467–75 (79 ref.)
The production of alveolar macrophage-derived growth-regulating proteins in response to lung injury. Brandes ME, et al. **Toxicol Lett** 1990 Nov;54(1):3–22; discussion 1–2 (208 ref.)
[Role of macrophages in atherogenesis (editorial)] Rouis M, et al. **Presse Med** 1991 Mar 9;20(9):401–3 (10 ref.) **(Fre)**
[The role of macrophages in tumor growth] Okulov VB, et al. **Vopr Onkol** 1990;36(10):1170–8 (69 ref.) **(Rus)**

SECRETION

Relationship of inflammatory cell cytokines to disease severity in individuals with occupational inorganic dust exposure. Rom WN. **Am J Ind Med** 1991;19(1):15–27 (50 ref.)

MACROSOMIA, FETAL see **FETAL MACROSOMIA**

MACULA LUTEA

[Macular site of bone choristoma of the choroid] Durand L, et al. **Bull Soc Ophtalmol Fr** 1990 Aug–Sep; 90(8–9):821–4 (28 ref.) **(Fre)**
[Macular manifestations of acute lymphoblastic leukemia. A case report] Vangheluwe O, et al. **Bull Soc Ophtalmol Fr** 1990 Jun–Jul;90(6–7):677–82 (25 ref.) (Eng. Abstr.) **(Fre)**
[Individualization of X-flavimaculated macular dystrophy in hereditary macular dystrophies] François P, et al. **Ophtalmologie** 1990 Jul–Aug;4(4):372–6 (13 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Morphology, pathology, and surgery of idiopathic vitreoretinal macular disorders. A review. Smiddy WE, et al. **Retina** 1990;10(4):288–96 (40 ref.)
[Two cases of idiopathic preretinal macular fibrosis in children] Tetsumoto K, et al. **Nippon Ganka Gakkai Zasshi** 1990 Sep;94(9):875–81 (24 ref.) (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

Review: antioxidant protection of the ageing macula. Gerster H. **Age Ageing** 1991 Jan;20(1):60–9 (63 ref.)
[Maculopathy caused by irradiation in patients treated for choroid melanoma] Haye C, et al. **Ophtalmologie** 1990 May–Jun;4(3):229–31 (18 ref.) (Eng. Abstr.) **(Fre)**

MACULAR DEGENERATION

DIAGNOSIS

Distinguishing between clinical impairments due to optic nerve or macular disease. Sadun AA. **Metab Pediatr Syst Ophthalmol** 1990;13(2–4):79–84 (11 ref.)
[Macular vitelliform degeneration in adults. Retrospective study of a series of 85 patients] Glacet-Bernard A, et al. **J Fr Ophtalmol** 1990;13(8–9):407–20 (36 ref.) (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Review: antioxidant protection of the ageing macula. Gerster H. **Age Ageing** 1991 Jan;20(1):60–9 (63 ref.)

SURGERY

Laser treatment of age-related maculopathy (AMD) with subretinal neovascularization (SRN). Oosterhuis JA. **Fortschr Ophthalmol** 1990;87 Suppl:S52–61 (50 ref.)

MACULAR DYSTROPHY, CORNEAL see **CORNEAL DYSTROPHIES, HEREDITARY**

MACULAR HOLES see **RETINAL PERFORATIONS**

MADELUNG'S NECK see **LIPOMATOSIS, MULTIPLE SYMMETRICAL**

MADURELLA see **HYPHOMYCETES**

MADUROMYCOSIS

Actinomadura madurae mycetomas. Venugopal PV, et al. **Australas J Dermatol** 1990;31(1):33–6 (13 ref.)

DIAGNOSIS

[Mycetoma of the hand] Siano VI, et al. **Vestn Dermatol Venerol** 1990;(11):56–9 (23 ref.) (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Mycetoma. Current concepts in treatment. Welsh O. **Int J Dermatol** 1991 Jun;30(6):387–98 (120 ref.)

ETIOLOGY

Pseudallescheria boydii and brain abscesses. Hachimi-Idrissi S, et al. **Pediatr Infect Dis J** 1990 Oct;9(10):737–41 (49 ref.)

MAEDI see **PNEUMONIA, PROGRESSIVE INTERSTITIAL, OF SHEEP**

MAEDI VIRUS see **VISNA VIRUS**

MAEDI-VISNA VIRUS see **VISNA VIRUS**

MAFFUCCI SYNDROME see **ENCHONDROMATOSIS**

MAGGOT INFESTATIONS see **MYIASIS**

MAGIC

Lycanthropy and demonomania: some psychopathological issues. Koehler K, et al. **Psychol Med** 1990 Aug; 20(3):629–33 (14 ref.)

PSYCHOLOGY

Ophthalmology and magic. Young MN. **Bull N Y Acad Med** 1990 Nov–Dec;66(6):638–46 (20 ref.)
Ritualism and child sexual abuse [comment] Jones DP. **Child Abuse Negl** 1991;15(3):163–70 (13 ref.) Comment on: Child Abuse Negl 1991;15(3):181–9. Comment on: Child Abuse Negl 1991;15(3):191–6.

MAGNESIUM

ADMINISTRATION & DOSAGE

Treatment of patients with acute myocardial infarction with intravenous magnesium. Abraham AS. **Magnes Trace Elem** 1990;9(4):177–85 (53 ref.)

ANALYSIS

Intracellular free magnesium concentration: relevance to cardiovascular medicine. Rotevatn S, et al. **Acta Physiol Scand Suppl** 1991;599:125–33 (36 ref.)
Methods for measurement of intracellular magnesium: NMR and fluorescence. London RE. **Annu Rev Physiol** 1991; 53:241–58 (43 ref.)

BLOOD

The role of magnesium in clinical biochemistry: an overview. Ryan MF. **Ann Clin Biochem** 1991 Jan;28 (Pt 1):19–26 (84 ref.)
Hypomagnesemia in critical illness. A common and clinically important problem. Salem M, et al. **Crit Care Clin** 1991 Jan;7(1):225–52 (184 ref.)
Endocrine crises. Hypermagnesemia. Van Hook JW. **Crit Care Clin** 1991 Jan;7(1):215–23 (47 ref.)
Hypomagnesaemia of hereditary renal origin. Rodriguez-Soriano J, et al. **Pediatr Nephrol** 1987 Jul; 1(3):465–72 (39 ref.)

METABOLISM

Mechanisms of magnesium transport. Flatman PW. **Annu Rev Physiol** 1991;53:259–71 (54 ref.)
Cellular magnesium and Na/Mg exchange in heart cells. Murphy E, et al. **Annu Rev Physiol** 1991;53:273–87 (83 ref.)
Magnesium and insulin-dependent diabetes mellitus. Elamin A, et al. **Diabetes Res Clin Pract** 1990 Nov–Dec;10(3):203–9 (82 ref.)
Magnesium and glucose homeostasis. Paolisso G, et al. **Diabetologia** 1990 Sep;33(9):511–4 (41 ref.)
Magnesium absorption: mechanisms and the influence of

vitamin D, calcium and phosphate. Hardwick LL, et al. **J Nutr** 1991 Jan;121(1):13–23 (75 ref.)
New clinical and experimental aspects of intestinal magnesium transport. Karbach U, et al. **Magnes Res** 1991 Mar;4(1):9–22 (55 ref.)
Studies on the relationship between boron and magnesium which possibly affects the formation and maintenance of bones. Nielsen FH. **Magnes Trace Elem** 1990;9(2):61–9 (24 ref.)
Site and mechanism of intestinal magnesium absorption. Hardwick LL, et al. **Miner Electrolyte Metab** 1990; 16(2–3):174–80 (38 ref.)
Magnesium metabolism. Reinhart RA. **Wis Med J** 1990 Oct; 89(10):579–83 (55 ref.)

PHARMACOLOGY

Adherence-induced enhancement of the oxidative burst of human neutrophilic granulocytes: effects of the surface coat and of divalent cations. Kownatzki E, et al. **Agents Actions** 1991 Jan;32(1–2):41–5 (22 ref.)
Relationship between dietary cations and blood pressure. Kesteloot H. **Ann Nutr Metab** 1991;35 Suppl 1:109–18 (13 ref.)

PHYSIOLOGY

Intracellular free magnesium concentration: relevance to cardiovascular medicine. Rotevatn S, et al. **Acta Physiol Scand Suppl** 1991;599:125–33 (36 ref.)
Clinical correlates of the molecular and cellular actions of magnesium on the cardiovascular system. Reinhart RA. **Am Heart J** 1991 May;121(5):1513–21 (101 ref.)
Modulation of cardiac ion channels by magnesium. Agus ZS, et al. **Annu Rev Physiol** 1991;53:299–307 (29 ref.)
Magnesium gating of the inwardly rectifying K+ channel. Matsuda H. **Annu Rev Physiol** 1991;53:289–98 (37 ref.)
Magnesium in normal and neoplastic cell proliferation: state of the art on in vitro data. Cittadini A, et al. **Magnes Res** 1991 Mar;4(1):23–33 (86 ref.)
[The importance of magnesium in contemporary obstetrics] Georgiev D, et al. **Akush Ginekol (Sofiia)** 1990;29(5):52–5 (28 ref.) **(Bul)**
[Cardiovascular aspects of magnesium] de Valk HW, et al. **Ned Tijdschr Geneeskd** 1990 Dec 15;134(50):2425–8 (28 ref.) **(Dut)**
[Magnesium and the regulation of carbohydrate metabolism] Paolisso G, et al. **Journ Annu Diabetol Hotel Dieu** 1991; :185–91 (33 ref.) **(Fre)**
[Magnesium in neurology] Lemke MR. **Nervenarzt** 1990 Sep; 61(9):573–5 (11 ref.) **(Ger)**

THERAPEUTIC USE

Possible pharmacological actions of magnesium in acute myocardial infarction. Woods KL. **Br J Clin Pharmacol** 1991 Jul;32(1):3–10 (82 ref.)
Magnesium and cardiac arrhythmias. Reappraisal of an old substance. Critelli G, et al. **Cardiologia** 1990 Jan;35(1 Suppl):39–42 (65 ref.)
Calcium, magnesium, and zinc supplementation and perinatal outcome. Repke JT. **Clin Obstet Gynecol** 1991 Jun; 34(2):262–7 (35 ref.)

MAGNESIUM ADENOSINE TRIPHOSPHATASE see **ADENOSINE TRIPHOSPHATASE, MAGNESIUM**

MAGNESIUM ATP see **ADENOSINE TRIPHOSPHATE**

MAGNESIUM ATPASE see **ADENOSINE TRIPHOSPHATASE, MAGNESIUM**

MAGNESIUM DEFICIENCY

Magnesium deficiency. Kobrin SM, et al. **Semin Nephrol** 1990 Nov;10(6):525–35 (85 ref.)
Magnesium deficiency. Flink EB. **W V Med J** 1990 Oct; 86(10):459–63 (25 ref.)

COMPLICATIONS

Magnesium and insulin-dependent diabetes mellitus. Elamin A, et al. **Diabetes Res Clin Pract** 1990 Nov–Dec;10(3):203–9 (82 ref.)
[Magnesium deficiency and development of late diabetic complications] Djurhuus MS, et al. **Ugeskr Laeger** 1991 Jul 22;153(30):2108–10 (30 ref.) (Eng. Abstr.) **(Dan)**

METABOLISM

The role of magnesium in clinical biochemistry: an overview. Ryan MF. **Ann Clin Biochem** 1991 Jan;28 (Pt 1):19–26 (84 ref.)
Magnesium and glucose homeostasis. Paolisso G, et al. **Diabetologia** 1990 Sep;33(9):511–4 (41 ref.)
Skeletal buffer function and symptomatic magnesium deficiency. Langley WF, et al. **Med Hypotheses** 1991 Jan; 34(1):62–5 (27 ref.)

PHYSIOPATHOLOGY

[Magnesium in neurology] Lemke MR. **Nervenarzt** 1990 Sep; 61(9):573–5 (11 ref.) **(Ger)**

MAGNESIUM HYDROXIDE

ADVERSE EFFECTS

Antacid and sucralfate-induced hypophosphatemic osteomalacia: a case report and review of the literature. Chines A, et al. **Calcif Tissue Int** 1990 Nov;47(5):291–5 (26 ref.)

METABOLISM

Significance of the ciprofloxacin–antacid interaction. Roush MK, et al. **DICP** 1991 May;25(5):473–5 (15 ref.)

POISONING

Magnesium intoxication in a neonate from oral magnesium hydroxide laxative. Mofenson HC, et al. **J Toxicol Clin Toxicol** 1991;29(2):215–22 (14 ref.)

MAGNESIUM SULFATE

THERAPEUTIC USE

[Magnesium sulphate in the treatment of torsade de pointes ventricular tachycardia] Sangiorgi M, et al. **Ann Ital Med Int** 1988 Apr–Jun;3(2):141–7 (20 ref.) **(Ita)**

MAGNETIC RESONANCE see **NUCLEAR MAGNETIC RESONANCE**

MAGNETIC RESONANCE IMAGING

see related
NUCLEAR MAGNETIC RESONANCE

MR imaging of pediatric hematologic disorders. Murayama S, et al. **Acta Radiol** 1991 Jul;32(4):267–70 (17 ref.)
MR demonstration of leukoencephalopathy associated with mitochondrial encephalomyopathy: case report. Sandhu FS, et al. **AJNR** 1991 Mar–Apr;12(2):375–9 (32 ref.)
MR findings in extracerebral cavernous angiomas of the middle cranial fossa: report of two cases and review of the literature. Momoshima S, et al. **AJNR Am J Neuroradiol** 1991 Jul–Aug;12(4):756–60 (45 ref.)
MR imaging of the brain in patients with diabetes insipidus. Tien R, et al. **AJNR Am J Neuroradiol** 1991 May–Jun; 12(3):533–42 (36 ref.)
MR anatomy and pathology of the hypothalamus. Loes DJ, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):579–85 (3 ref.)
Magnetic resonance imaging: a new approach for evaluating coronary artery disease? van der Wall EE, et al. **Am Heart J** 1991 Apr;121(4 (Pt 1)):1203–20 (134 ref.)
Role of magnetic resonance contrast agents in cardiac imaging. Wolf GL. **Am J Cardiol** 1990 Oct 26; 66(14):59F–62F (15 ref.)
MRI of transient osteoporosis of the hip. Grimm J, et al. **Arch Orthop Trauma Surg** 1991;110(2):98–102 (28 ref.)
Magnetic resonance imaging vs palpation of cervical lymph node metastasis. van den Brekel MW, et al. **Arch Otolaryngol Head Neck Surg** 1991 Jun;117(6):663–73 (34 ref.)
Magnetic resonance imaging—2: Clinical uses. Armstrong P, et al. **BMJ** 1991 Jul 13;303(6794):105–9 (24 ref.)
Routine contrast enhancement for cranial magnetic resonance imaging: an analysis of its diagnostic value in adults. Kucharczyk W, et al. **Can Assoc Radiol J** 1991 Jun; 42(3):199–209 (12 ref.)
Recent advances in magnetic resonance imaging of renal masses. Lee JK. **Can Assoc Radiol J** 1991 Jun;42(3):185–9 (9 ref.)
Recent advances in magnetic resonance imaging of musculoskeletal tumours. Munk PL. **Can Assoc Radiol J** 1991 Feb;42(1):39–47 (52 ref.)
Recent advances in spinal magnetic resonance imaging. Sze G. **Can Assoc Radiol J** 1991 Jun;42(3):190–8 (25 ref.)
Characterization of intrahepatic space-occupying lesions by magnetic resonance imaging. Vellet AD. **Can Assoc Radiol J** 1991 Jun;42(3):165–79 (34 ref.)
Magnetic resonance imaging of the brain. Wallace CJ. **Can Assoc Radiol J** 1991 Feb;42(1):13–20 (7 ref.)
Anaesthesia outside the operating room. Manninen PH. **Can J Anaesth** 1991 May;38(4 Pt 2):R126–33 (26 ref.) **(Eng, Fre)**
Magnetic resonance imaging in the evaluation of spinal tumors. Sze G. **Cancer** 1991 Feb 15;67(4 Suppl):1229–41 (32 ref.)
Imaging the airways. Computed tomography and magnetic resonance imaging. Shepard JO, et al. **Clin Chest Med** 1991 Mar;12(1):151–68 (80 ref.)
Thoracic magnetic resonance imaging. Weinreb JC, et al. **Clin Chest Med** 1991 Mar;12(1):33–54 (108 ref.)
Imaging of ovarian masses: magnetic resonance imaging. Scoutt LM, et al. **Clin Obstet Gynecol** 1991 Jun; 34(2):443–51 (20 ref.)
The appearance of the piriformis muscle syndrome in computed tomography and magnetic resonance imaging. A case report and review of the literature. Jankiewicz JJ, et al. **Clin Orthop** 1991 Jan;(262):205–9 (24 ref.)
MRI in liver disease. Fretz CJ, et al. **Crit Rev Diagn Imaging** 1990;31(2):187–222 (119 ref.)
Comparison of MRI and CT for study of renal and perirenal masses. Janus CL, et al. **Crit Rev Diagn Imaging** 1991; 32(2):69–118 (73 ref.)
Gynecologic applications of MRI. McCarthy S. **Crit Rev Diagn Imaging** 1990;31(2):263–81 (55 ref.)
MRI of the prostate. Rifkin MD. **Crit Rev Diagn Imaging** 1990;31(2):223–62 (52 ref.)
Practical aspects of vascular imaging using MRI. Spritzer CE, et al. **Crit Rev Diagn Imaging** 1990;31(2):145–85 (105 ref.)
The temporal bone: imaging considerations. Swartz JD. **Crit Rev Diagn Imaging** 1990;30(4):341–417 (68 ref.)
Magnetic resonance imaging of renal masses. Amendola MA. **Curr Opin Radiol** 1990 Dec;2(6):809–11 (12 ref.)
Imaging of degenerative brain disorders. Berson BD. **Curr Opin Radiol** 1991 Feb;3(1):51–4 (16 ref.)
Imaging of the larynx and cervical trachea. Curtin HD. **Curr Opin Radiol** 1991 Feb;3(1):84–92 (23 ref.)
Magnetic resonance imaging of the heart: perfusion, function, and structure. de Roos A, et al. **Curr Opin Radiol** 1991 Aug;3(4):525–32 (40 ref.)
Imaging of central nervous system tumors. Dillon WP. **Curr Opin Radiol** 1991 Feb;3(1):46–50 (27 ref.)
Imaging of metabolic diseases of the brain. Edwards MK. **Curr Opin Radiol** 1991 Feb;3(1):25–30 (16 ref.)
Contrast material for computed tomography and magnetic resonance imaging of the gastrointestinal tract. Hamm B, et al. **Curr Opin Radiol** 1991 Jun;3(3):474–82 (35 ref.)
Imaging of the temporal bone. Jabour BA. **Curr Opin Radiol** 1991 Feb;3(1):57–60 (16 ref.)
Imaging of the spine and spinal cord. Manelfe C. **Curr Opin Radiol** 1991 Feb;3(1):5–15 (46 ref.)
Infections of the central nervous system. Rauch RA, et al. **Curr Opin Radiol** 1991 Feb;3(1):16–24 (48 ref.)
Magnetic resonance imaging and computed tomography of cerebral vascular disease. Sevick RJ, et al. **Curr Opin Radiol** 1991 Feb;3(1):31–6 (28 ref.)
Magnetic resonance imaging and spectroscopy of the breast. Stelling CB. **Curr Opin Radiol** 1990 Oct;2(5):746–50 (8 ref.)
Magnetic resonance imaging in the evaluation of the solitary tumor of bone. Sundaram M, et al. **Curr Opin Radiol** 1990 Oct;2(5):697–702 (9 ref.)
New developments in magnetic resonance imaging of the nasopharynx and face. Vogl TJ, et al. **Curr Opin Radiol** 1991 Feb;3(1):61–6 (10 ref.)
The clinical application of radiopharmaceuticals. Leeds NE. **Drugs** 1990 Nov;40(5):713–21 (33 ref.)
Superficial siderosis of the central nervous system. A 37-year follow-up of a case and review of the literature. Stevens I, et al. **Eur Arch Psychiatry Clin Neurosci** 1991; 241(1):57–60 (22 ref.)
Infarct sizing by scintigraphic techniques and nuclear magnetic resonance imaging. van der Wall EE, et al. **Eur J Nucl Med** 1990;17(1–2):83–90 (63 ref.)
Tolerance data of Gd-DTPA: a review. Niendorf HP, et al. **Eur J Radiol** 1991 Jul–Aug;13(1):15–20 (7 ref.)
Roles of computed tomography and magnetic resonance imaging diagnoses in the treatment of head and neck cancer. Foust RJ, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):657–65 (28 ref.)
Use of magnetic resonance imaging in pediatric neurologic diagnosis. deVeber G, et al. **Indian J Pediatr** 1990 Jul–Aug; 57(4):481–98 (16 ref.)
Magnetic resonance imaging in brain lesions. Gulati P, et al. **Indian Pediatr** 1990 Dec;27(12):1327–32 (13 ref.)
The use of magnetic resonance imaging in the investigation of infants and children with congenital heart disease: current status and future prospects. Parsons JM, et al. **Int J Cardiol** 1990 Dec;29(3):263–75 (51 ref.)
CNS imaging of neoplasms. Bragg DG, et al. **Int J Radiat Oncol Biol Phys** 1991 Aug;21(3):841–5 (12 ref.)
Current applications of imaging procedures in the patient with lung cancer. Bragg DG. **Int J Radiat Oncol Biol Phys** 1991 Aug;21(3):847–51 (16 ref.)
Macromolecular magnetic resonance imaging contrast media. Accumulated experience. Brasch RC, et al. **Invest Radiol** 1990 Sep;25 Suppl 1:S51–2 (9 ref.)
Mechanisms of magnetic resonance contrast enhancement by relaxivity and magnetic susceptibility agents. Lauffer RB. **Invest Radiol** 1990 Sep;25 Suppl 1:S32–3 (7 ref.)
Recent developments in design, characterization, and understanding of MRI and MRS contrast media. Muller RN, et al. **Invest Radiol** 1990 Sep;25 Suppl 1:S34–6 (10 ref.)
The imaging of brain function. Positron emission tomography, single-photon emission computed tomography, and some prospects for magnetic resonance. Potchen EJ, et al. **Invest Radiol** 1991 Mar;26(3):258–65 (67 ref.)
Clinical applications of magnetic resonance imaging of the liver. Thoeni RF. **Invest Radiol** 1991 Mar;26(3):266–73 (37 ref.)
Magnetic resonance imaging of the alimentary tube. Werthmuller WC, et al. **Invest Radiol** 1991 Feb; 26(2):195–200 (27 ref.)
Leukoaraiosis: a reappraisal. II. MRI studies. Mascalchi M, et al. **Ital J Neurol Sci** 1991 Jun;12(3):271–9 (53 ref.)
CT and MR imaging of massive macronodular adrenocortical disease: a rare cause of autonomous primary adrenal hypercortisolism. Doppman JL, et al. **J Comput Assist Tomogr** 1991 Sep–Oct;15(5):773–9 (21 ref.)

MR imaging of anisotropically restricted diffusion of water in the nervous system: technical, anatomic, and pathologic considerations. Hajnal JV, et al. **J Comput Assist Tomogr** 1991 Jan–Feb;15(1):1–18 (40 ref.)

Curvilinear and tubulonodular varieties of lipoma of the corpus callosum: an MR and CT study. Tart RP, et al. **J Comput Assist Tomogr** 1991 Sep–Oct;15(5):805–10 (52 ref.)

Three–dimensional image display in medicine. Mankovich NJ, et al. **J Digit Imaging** 1990 May;3(2):69–80 (60 ref.)

Should a major imaging procedure (CT or MRI) be required in the workup of dementia? An affirmative view. Katzman R. **J Fam Pract** 1990 Oct;31(4):401–5 (20 ref.)

Magnetic resonance imaging of pediatric foot and ankle disorders. Sartoris DJ, et al. **J Foot Surg** 1990 Sep–Oct; 29(5):489–94 (13 ref.)

Choroid plexus papillomas of the posterior fossa in adults: MR imaging and gadolinium enhancement. Report of four cases and review of the literature. Girardot C, et al. **J Neuroradiol** 1990;17(4):303–18 (27 ref.) **(Eng, Fre)**

Magnetic resonance imaging contrast agents: theory and application to the central nervous system. Bronen RA, et al. **J Neurosurg** 1990 Dec;73(6):820–39 (82 ref.)

Magnetic resonance imaging of vertebrobasilar ectasia in tic convulsif. Case report. Harsh GR 4th, et al. **J Neurosurg** 1991 Jun;74(6):999–1003 (22 ref.)

Nonspecific magnetic resonance appearance of renal oncocytomas: report of 3 cases and review of the literature. Defossez SM, et al. **J Urol** 1991 Mar;145(3):552–4 (14 ref.)

Prolonged T1 in patients with liver cirrhosis: an in vivo MRI study. Thomsen C, et al. **Magn Reson Imaging** 1990; 8(5):599–604 (35 ref.)

Diffusion of water in tissues and MRI. Hazlewood CF, et al. **Magn Reson Med** 1991 Jun;19(2):214–6 (7 ref.)

Contrast agents and cerebral hemodynamics. Rosen BR, et al. **Magn Reson Med** 1991 Jun;19(2):285–92 (50 ref.)

Echo–planar imaging of diffusion and perfusion. Turner R, et al. **Magn Reson Med** 1991 Jun;19(2):247–53 (22 ref.)

Applications of the intravoxel coherent motion technique to the central nervous system. Young IR, et al. **Magn Reson Med** 1991 Jun;19(2):266–9 (10 ref.)

Postoperative and postradiation changes in the pelvis. Hricak H. **Magn Reson Q** 1990 Oct;6(4):276–97 (41 ref.)

Molecular diffusion nuclear magnetic resonance imaging. Le Bihan D. **Magn Reson Q** 1991 Jan;7(1):1–30 (138 ref.)

Magnetic resonance imaging in the evaluation of infertile women. McCarthy S. **Magn Reson Q** 1990 Oct;6(4):239–49 (53 ref.)

Magnetic resonance imaging in the evaluation of gynecologic malignancy. Togashi K, et al. **Magn Reson Q** 1990 Oct; 6(4):250–75 (65 ref.)

Magnetic resonance imaging diagnosis of an intracranial metastasis of adenocarcinoma of the prostate: case report. Capito PR, et al. **Md Med J** 1991 Feb;40(2):113–5 (10 ref.)

Magnetic resonance in pediatric and adolescent neuroimaging. Barnes PD. **Neurol Clin** 1990 Aug; 8(3):741–57 (80 ref.)

The neuroradiology of visual disturbances. Nadalo LA, et al. **Neurol Clin** 1991 Feb;9(1):1–33 (34 ref.)

Symptomatic pineal cyst: case report. Maurer PK, et al. **Neurosurgery** 1990 Sep;27(3):451–3; discussion 453–4 (16 ref.)

Magnetic resonance imaging of the orbit. Part I. Physical principles. Dortzbach RK, et al. **Ophthal Plast Reconstr Surg** 1989;5(3):151–9 (25 ref.)

Magnetic resonance imaging of the orbit. Part II. Clinical applications. Dortzbach RK, et al. **Ophthal Plast Reconstr Surg** 1989;5(3):160–70 (30 ref.)

Magnetic resonance imaging of pathologic conditions of the Achilles tendon. Panageas E, et al. **Orthop Rev** 1990 Nov; 19(11):975–80 (18 ref.)

Radiation dosimetry using nuclear magnetic resonance: an introductory review. Day MJ. **Phys Med Biol** 1990 Dec; 35(12):1605–9 (9 ref.)

CT and MR imaging of the central skull base. Part 2. Pathologic spectrum. Laine FJ, et al. **Radiographics** 1990 Sep;10(5):797–821 (29 ref.)

Magnetic resonance imaging of congenital heart disease in the pediatric patient. Bisset GS 3d. **Radiol Clin North Am** 1991 Mar;29(2):279–91 (34 ref.)

Clinical use of urinary tract magnetic resonance imaging. Newhouse JH. **Radiol Clin North Am** 1991 May; 29(3):455–74 (95 ref.)

MR of the brain stem: a practical approach. Bradley WG Jr. **Radiology** 1991 May;179(2):319–32 (17 ref.)

Pediatric musculoskeletal MR imaging. Moore SG, et al. **Radiology** 1991 May;179(2):345–60 (96 ref.)

MR imaging and biomedical implants, materials, and devices: an updated review. Shellock FG, et al. **Radiology** 1991 Aug; 180(2):541–50 (60 ref.)

Magnetic resonance imaging in the study of hepatocellular carcinoma. Bartolozzi C, et al. **Rays** 1990 Jul–Sep; 15(3):353–63 (18 ref.) **(Eng, Ita)**

MRI in cerebrovascular ischemic disease. Scotti G, et al. **Rays** 1990 Apr–Jun;15(2):195–202 (15 ref.) **(Eng, Ita)**

Brain magnetic resonance imaging: approaches for investigating schizophrenia. Pfefferbaum A, et al. **Schizophr Bull** 1990;16(3):453–76 (63 ref.)

Functional magnetic resonance imaging in medicine and physiology. Moonen CT, et al. **Science** 1990 Oct 5; 250(4977):53–61 (55 ref.)

Neuroimaging in epilepsy: contribution of MRI, PET and SPECT. Sperling MR. **Semin Neurol** 1990 Dec; 10(4):349–56 (97 ref.)

The impact of radiologic imaging on staging of cancer of the head and neck. Dillon WP, et al. **Semin Oncol** 1991 Apr;18(2):64–79 (45 ref.)

Imaging primary and metastatic cancer of the liver. Halvorsen RA Jr, et al. **Semin Oncol** 1991 Apr;18(2):111–22 (33 ref.)

Lung cancer imaging: primary diagnosis, staging, and local recurrence. Heelan R. **Semin Oncol** 1991 Apr;18(2):87–98 (39 ref.)

Neuroimaging for central nervous system tumors. Jaeckle KA. **Semin Oncol** 1991 Apr;18(2):150–7 (27 ref.)

Current imaging in spinal metastatic disease. Kamholtz R, et al. **Semin Oncol** 1991 Apr;18(2):158–69 (50 ref.)

Imaging of musculoskeletal tumors. Manaster BJ, et al. **Semin Oncol** 1991 Apr;18(2):140–9 (28 ref.)

Imaging in colorectal carcinoma. Taylor AJ, et al. **Semin Oncol** 1991 Apr;18(2):99–110 (27 ref.)

Magnetic resonance imaging of the foot and ankle. Berquist TH. **Semin Ultrasound CT MR** 1990 Aug;11(4):327–45 (66 ref.)

Magnetic resonance imaging of hip disorders. Ensign MF. **Semin Ultrasound CT MR** 1990 Aug;11(4):288–306 (65 ref.)

Upper urinary tract infection: the current role of CT, ultrasound, and MRI. Goldman SM, et al. **Semin Ultrasound CT MR** 1991 Aug;12(4):335–60 (68 ref.)

Magnetic resonance imaging of the wrist. Greenan T, et al. **Semin Ultrasound CT MR** 1990 Aug;11(4):267–87 (50 ref.)

Magnetic resonance imaging of the knee. Manaster BJ. **Semin Ultrasound CT MR** 1990 Aug;11(4):307–26 (53 ref.)

Magnetic resonance imaging of the scrotum. Mattrey RF. **Semin Ultrasound CT MR** 1991 Apr;12(2):95–108 (18 ref.)

Magnetic resonance imaging of the temporomandibular joint. Pollei SR, et al. **Semin Ultrasound CT MR** 1990 Aug; 11(4):346–61 (73 ref.)

Magnetic resonance imaging of knee trauma. Bassett LW, et al. **Skeletal Radiol** 1990;19(6):401–5 (24 ref.)

Magnetic resonance appearance of fibromatosis. A report of 14 cases and review of the literature. Kransdorf MJ, et al. **Skeletal Radiol** 1990;19(7):495–9 (14 ref.)

Magnetic resonance imaging in the evaluation of knee injuries. Boeve BF, et al. **South Med J** 1991 Sep; 84(9):1123–7 (24 ref.)

Clinical applications of contrast agents in body imaging. Bydder GM. **Top Magn Reson Imaging** 1991 Mar;3(2):74–84 (41 ref.)

Current status of magnetic resonance imaging of the orbit. Dorfman RE, et al. **Top Magn Reson Imaging** 1990 Sep; 2(4):17–26 (51 ref.)

Magnetic resonance imaging of metastatic cervical adenopathy. Jabour BA, et al. **Top Magn Reson Imaging** 1990 Sep;2(4):69–75 (28 ref.)

Magnetic resonance imaging of the larynx. Jabour BA, et al. **Top Magn Reson Imaging** 1990 Sep;2(4):60–8 (27 ref.)

Basic principles of magnetic resonance contrast agents. Kirsch JE. **Top Magn Reson Imaging** 1991 Mar;3(2):1–18 (41 ref.)

Magnetic resonance imaging of the nasopharynx. Lanzieri CF, et al. **Top Magn Reson Imaging** 1990 Sep;2(4):39–47 (8 ref.)

Contrast–enhanced magnetic resonance imaging of the spine. Lee C, et al. **Top Magn Reson Imaging** 1991 Mar;3(2):41–73 (51 ref.)

Magnetic resonance imaging of the tongue and oropharynx. McKenna KM, et al. **Top Magn Reson Imaging** 1990 Sep; 2(4):49–59 (16 ref.)

Magnetic resonance imaging of diffusion and perfusion. Moseley ME, et al. **Top Magn Reson Imaging** 1991 Jun; 3(3):50–67 (74 ref.)

Clinical applications of magnetic resonance contrast media in the head. Runge VM. **Top Magn Reson Imaging** 1991 Mar;3(2):19–40 (47 ref.)

The temporal bone: magnetic resonance imaging. Swartz JD, et al. **Top Magn Reson Imaging** 1990 Sep;2(4):1–16 (36 ref.)

Magnetic resonance imaging of the paranasal sinuses. Weissman JL, et al. **Top Magn Reson Imaging** 1990 Sep; 2(4):27–38 (20 ref.)

Gynecologic magnetic resonance imaging. Janus C. **Urol Radiol** 1991;13(1):29–40 (42 ref.)

[The use of nuclear magnetic resonance in cardiology] Stefanova L, et al. **Vutr Boles** 1990;29(4):17–21 (0 ref.) **(Bul)**

[Magnetic resonance imaging in knee injuries] Shahabpour M, et al. **Acta Orthop Belg** 1990;56(2):423–30 (26 ref.) (Eng. Abstr.) **(Fre)**

[Tumor of the fourth ventricle revealed by brain MRI in Recklinghausen's disease] Petiot A, et al. **Ann Dermatol Venereol** 1990;117(6–7):445–8 (13 ref.) **(Fre)**

[Magnetic resonance imaging of the pituitary gland and the sella turcica region. Normal and pathological aspect] Baleriaux D, et al. **Ann Endocrinol (Paris)** 1990; 51(3–4):173–80 (26 ref.) (Eng. Abstr.) **(Fre)**

[Hepatic angiosarcoma. CT and MRI aspects. A case report and review of the literature] Fajadet P, et al. **Ann Radiol (Paris)** 1990;33(4–5):260–3 (19 ref.) (Eng. Abstr.) **(Fre)**

[Role of modern imaging (CT–MRI) in the preoperative evaluation of bronchial cancers. Results in 202 cases] Giron J, et al. **Ann Radiol (Paris)** 1990;33(4–5):219–28 (31 ref.) (Eng. Abstr.) **(Fre)**

[Cardiac hydatidosis: contribution of magnetic resonance imaging. Report of a case] Vanjak D, et al. **Arch Mal Coeur** 1990 Oct;83(11):1739–42 (10 ref.) (Eng. Abstr.) **(Fre)**

[Magnetic resonance imaging of the knee. 3 cases of pigmented villonodular synovitis] Adam P, et al. **J Radiol** 1991 Mar;72(3):141–7 (12 ref.) (Eng. Abstr.) **(Fre)**

[Imaging of infectious sacroiliitis] Chevalley P, et al. **J Radiol** 1991 Jan;72(1):1–10 (23 ref.) (Eng. Abstr.) **(Fre)**

[MRI, geometric distortion of the image and stereotaxy] Derosier C, et al. **J Radiol** 1991 Jun–Jul;72(6–7):349–53 (10 ref.) (Eng. Abstr.) **(Fre)**

[Comparative study of MRI and x–ray computed tomography in the preoperative evaluation of rectal carcinoma] Guinet C, et al. **J Radiol** 1990 May;71(5):357–63 (18 ref.) (Eng. Abstr.) **(Fre)**

[MRI diagnosis of epidural cervical hematoma. A case report] Marmey G, et al. **J Radiol** 1990 Oct;71(10):549–53 (10 ref.) (Eng. Abstr.) **(Fre)**

[MRI in subacromial pathology. Report of 20 cases] Poey C, et al. **J Radiol** 1990 Aug–Sep;71(8–9):457–66 (19 ref.) (Eng. Abstr.) **(Fre)**

[Aneurysm of the pulmonary artery. X–ray computed tomographic and MRI aspects. A case report and review of the literature] Poey C, et al. **J Radiol** 1990 Nov; 71(11):629–32 (16 ref.) (Eng. Abstr.) **(Fre)**

[Magnetic resonance imaging of the brain of newborn infants] Haddad J, et al. **Pediatrie** 1990;45(10):665–75 (39 ref.) (Eng. Abstr.) **(Fre)**

[2 cases of neurinoma of the mastoidal portion of the facial nerve: diagnostic contribution of MRI] Truy E, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991;112(3):223–7 (23 ref.) (Eng. Abstr.) **(Fre)**

[The role of new medical imaging technics (TDM and MRI) in the diagnostic strategies of superior vena cava syndrome] Coulomb M, et al. **Rev Mal Respir** 1991;8(1):45–57 (26 ref.) (Eng. Abstr.) **(Fre)**

[MRI of the liver] Doenz F, et al. **Rev Med Suisse Romande** 1991 Apr;111(4):357–61 (28 ref.) **(Fre)**

[Magnetic resonance imaging of the osteoarticular and muscular system] Ginalski JM, et al. **Rev Med Suisse Romande** 1991 Apr;111(4):323–30 (45 ref.) **(Fre)**

[The application of MRI in pediatric radiology] Gudinchet F, et al. **Rev Med Suisse Romande** 1991 Apr;111(4):315–22 (12 ref.) **(Fre)**

[Malignant urogenital tumors of the pelvic region: magnetic resonance imaging] Landry M, et al. **Rev Med Suisse Romande** 1991 Apr;111(4):349–55 (26 ref.) **(Fre)**

[Cardiac MRI] Richoz B, et al. **Rev Med Suisse Romande** 1991 Apr;111(4):341–7 (21 ref.) **(Fre)**

[Magnetic resonance imaging and Cogan's syndrome] Calopa M, et al. **Rev Neurol (Paris)** 1991;147(2):161–3 (12 ref.) (Eng. Abstr.) **(Fre)**

[Intradural extramedullary neuro–enteric cysts without associated malformation. 3 cases with magnetic resonance imaging] Cornu P, et al. **Rev Neurol (Paris)** 1990; 146(8–9):502–7 (27 ref.) (Eng. Abstr.) **(Fre)**

[Slowly progressive apraxia: a MRI and positron tomography in 4 cases] Léger JM, et al. **Rev Neurol (Paris)** 1991; 147(3):183–91 (23 ref.) (Eng. Abstr.) **(Fre)**

[NMR tomography in oncology] Knauf W, et al. **Dtsch Med Wochenschr** 1991 Apr 26;116(17):661–4 (21 ref.) **(Ger)**

[Possibilities and limitations of radiology—CT and MRT in cases of tumors of the uterus and ovary] Köster O. **Rontgenblatter** 1990 Oct;43(10):413–9 (52 ref.) (Eng. Abstr.) **(Ger)**

[Computed tomography and magnetic resonance tomography of rectal and sigmoid tumors] Krestin GP, et al. **Rontgenblatter** 1990 Oct;43(10):426–9 (17 ref.) (Eng. Abstr.) **(Ger)**

[Computed tomography and magnetic resonance tomography in cases of coronary heart disease] Lackner K, et al. **Rontgenblatter** 1990 Sep;43(9):391–7 (14 ref.) (Eng. Abstr.) **(Ger)**

[Computed tomography and magnetic resonance tomography in cases of pelvic tumors unconnected with organs] Mäurer J, et al. **Rontgenblatter** 1990 Oct;43(10):420–5 (26 ref.) (Eng. Abstr.) **(Ger)**

[Magnetic resonance tomography in the clinical routine: study of the heart and the great vessels] Bauer R, et al. **Rontgenpraxis** 1990 Dec;43(12):432–8 (24 ref.) **(Ger)**

[Current radiologic diagnosis of esophageal tumors] Georgi M, et al. **Rontgenpraxis** 1990 Sep;43(9):313–22 (13 ref.) **(Ger)**

[Imaging techniques in trauma of the ankle joint and tarsus] Lehner K, et al. **Rontgenpraxis** 1991 Jan;44(1):9–15 (10 ref.) **(Ger)**

[The use of magnetic resonance tomography in cancer of the cervix and uterus] Lukas P, et al. **Rontgenpraxis** 1990 Dec;43(12):439–44 (13 ref.) **(Ger)**

[Magnetic resonance tomography in white matter diseases] von Einsiedel HG. **Rontgenpraxis** 1991 Jul;44(7):193–9 (32 ref.) **(Ger)**

[Magnetic resonance tomography in the diagnosis of peripheral joints] Mundinger A, et al. **Schweiz Med Wochenschr** 1991 Apr 13;121(15):517–27 (61

ref.) (Eng. Abstr.) **(Ger)**
[Magnetic resonance in oncology] Terrier F, et al. **Schweiz Med Wochenschr** 1990 Sep 1;120(35):1257–72 (82 ref.) (Eng. Abstr.) **(Ger)**
[Computerized tomography and magnetic resonance in the study of the pericardium] Di Guglielmo L, et al. **Radiol Med (Torino)** 1990 Jul–Aug;80(1–2):140–52 (16 ref.) **(Ita)**
[Current diagnostic imaging in the study of the ear] Ettorre GC. **Radiol Med (Torino)** 1990 Nov;80(5):688–95 (36 ref.) **(Ita)**
[Leukodystrophies: clinical aspects and findings with computerized tomography and magnetic resonance imaging] Magnaldi S. **Radiol Med (Torino)** 1991 Jul–Aug; 82(1–2):13–26 (70 ref.) (Eng. Abstr.) **(Ita)**
[Magnetic resonance of the bone marrow] Pozzi-Mucelli R, et al. **Radiol Med (Torino)** 1990 Oct;80(4):409–23 (62 ref.) (Eng. Abstr.) **(Ita)**
[Magnetic resonance in dilated, restrictive and arrhythmogenic cardiomyopathies] Raisaro A, et al. **Radiol Med (Torino)** 1990 Jul–Aug;80(1–2):118–24 (13 ref.) **(Ita)**
[Invasive carcinoma of the cervix uteri (stage IB–IIB): evaluation using magnetic resonance] Sironi S, et al. **Radiol Med (Torino)** 1990 Sep;80(3):314–20 (26 ref.) (Eng. Abstr.) **(Ita)**
[Magnetic resonance imaging in chest medicine] Shioya S. **Kokyu To Junkan** 1991 Jan;39(1):3–8 (48 ref.) **(Jpn)**
[Progress on diagnostic techniques of MRI for endocrine diseases] Konishi J. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):346–9 (5 ref.) **(Jpn)**
[MR imaging and disorders in orthopedics] Yoshikawa K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1991 May; 65(5):382–94 (34 ref.) **(Jpn)**
[Epilepsy surgery in the MRI era] Moritake K. **No Shinkei Geka** 1990 Dec;18(12):1089–99 (95 ref.) **(Jpn)**
[Herpes simplex brainstem encephalitis presenting high intensity area on MRI—a case report] Matsumura Y, et al. **Rinsho Shinkeigaku** 1990 Aug;30(8):840–4 (18 ref.) (Eng. Abstr.) **(Jpn)**
[A case of multiple sclerosis with syrinx formation demonstrated on MRI] Moriwaka F, et al. **Rinsho Shinkeigaku** 1991 Mar;31(3):324–6 (4 ref.) (Eng. Abstr.) **(Jpn)**
[The role of magnetic resonance imaging in the diagnosis of Hallervorden-Spatz disease] Tabuchi M, et al. **Rinsho Shinkeigaku** 1990 Sep;30(9):972–7 (14 ref.) (Eng. Abstr.) **(Jpn)**
[Three siblings with type 3 GM1-gangliosidosis—pathophysiology of dystonia and MRI findings] Uyama E, et al. **Rinsho Shinkeigaku** 1990 Aug;30(8):819–27 (19 ref.) (Eng. Abstr.) **(Jpn)**
[Magnetic resonance tomography in focal diseases of the liver (review)] Kholin AV. **Vestn Rentgenol Radiol** 1990 Mar–Apr;(2):59–63 (52 ref.) (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Current status of knowledge of the effects of uniform magnetic fields on biological systems during MRI studies] von Klitzing L. **Rontgenpraxis** 1991 May;44(5):156 (0 ref.) **(Ger)**

INSTRUMENTATION

Psychiatry and the new magnetic resonance era. Lock T, et al. **Br J Psychiatry Suppl** 1990;(9):38–55 (71 ref.)
Magnetic resonance imaging and cine computerized tomography as future tools for cardiac output measurement. Omvik P. **Eur Heart J** 1990 Dec;11 Suppl I:141–3 (11 ref.)
New magnet designs for MR. Hawksworth D. **Magn Reson Med** 1991 Jan;17(1):27–31; discussion 31–2 (6 ref.)

METHODS

Development of contrast enhancing agents in magnetic resonance imaging. Lex L. **Acta Biochim Biophys Hung** 1989;24(3):265–81 (81 ref.)
Magnetic resonance knee arthrography. Enhanced contrast by gadolinium complex in the rabbit and in humans. Engel A. **Acta Orthop Scand Suppl** 1990;240:1–57 (80 ref.)
Recent advances in MR imaging/spectroscopy of cerebral ischemia. Baker LL, et al. **AJR Am J Roentgenol** 1991 Jun; 156(6):1133–43 (89 ref.)
Gadopentetate dimeglumine-enhanced MR imaging of the musculoskeletal system. Beltran J, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):457–66 (58 ref.)
Iron oxide-enhanced MR imaging of the liver and spleen: review of the first 5 years. Ferrucci JT, et al. **AJR Am J Roentgenol** 1990 Nov;155(5):943–50 (20 ref.)
Fast MR imaging: techniques and clinical applications. Haacke EM, et al. **AJR Am J Roentgenol** 1990 Nov; 155(5):951–64 (83 ref.)
Magnetic resonance imaging—1: Basic principles of image production. Armstrong P, et al. **BMJ** 1991 Jul 6; 303(6793):35–40 (15 ref.)
Magnetic resonance imaging and its applications in neuropsychiatry. Besson JA. **Br J Psychiatry Suppl** 1990; (9):25–37 (49 ref.)
Beyond topographic mapping: towards functional-anatomical imaging with 124-channel EEGs and 3-D MRIs. Gevins A, et al. **Brain Topogr** 1990 Fall; 3(1):53–64 (28 ref.)
Mechanisms of contrast enhancement in magnetic resonance imaging. Lee DH. **Can Assoc Radiol J** 1991 Feb;42(1):6–12 (18 ref.)
Magnetic resonance techniques for blood-flow measurement and vascular imaging. Rutt BK, et al. **Can Assoc Radiol J** 1991 Feb;42(1):21–30 (35 ref.)
Carcinoma of the female reproductive organs. Value of cross-sectional imaging. Hricak H. **Cancer** 1991 Feb 15;67(4 Suppl):1209–18 (38 ref.)
New directions in medical imaging of cancer. Magnetic resonance methods and single photon emission computed tomography. Nunnally RL, et al. **Cancer** 1991 Feb 15;67(4 Suppl):1271–7 (68 ref.)
Magnetic resonance velocity mapping. Underwood SR, et al. **Clin Phys Physiol Meas** 1990;11 Suppl A:37–43 (21 ref.)
The George Simon lecture: magnetic resonance studies of the heart. Rees S. **Clin Radiol** 1990 Nov;42(5):302–16 (38 ref.)
Principles of protocol optimization for MRI of the abdomen and pelvis. Mitchell DG, et al. **Crit Rev Diagn Imaging** 1990;31(2):117–44 (75 ref.)
Magnetic resonance angiography in the abdomen and pelvis. Koch M, et al. **Curr Opin Radiol** 1991 Jun;3(3):463–70 (25 ref.)
Cardiovascular nuclear magnetic resonance imaging and spectroscopy. Rehr RB. **Curr Probl Cardiol** 1991 Mar; 16(3):125–215 (200 ref.)
Ultra-fast imaging. Cohen MS, et al. **Magn Reson Imaging** 1991;9(1):1–37 (124 ref.)
Diffusion and perfusion in high resolution NMR imaging and microscopy. Ahn CB, et al. **Magn Reson Med** 1991 Jun; 19(2):228–32 (17 ref.)
Intravoxel incoherent motion imaging using spin echoes. Le Bihan D, et al. **Magn Reson Med** 1991 Jun;19(2):221–7 (18 ref.)
Diffusion imaging using stimulated echoes. Merboldt KD, et al. **Magn Reson Med** 1991 Jun;19(2):233–9 (15 ref.)
Ultrafast imaging using gradient echoes. Chien D, et al. **Magn Reson Q** 1991 Jan;7(1):31–56 (110 ref.)
Fast-scan magnetic resonance: principles and applications. Wehrli FW. **Magn Reson Q** 1990 Jul;6(3):165–236 (148 ref.)
Acquisition and quantitation in proton spectroscopy. Luyten PR, et al. **NMR Biomed** 1991 Apr;4(2):64–9 (33 ref.)
Magnetic resonance imaging in the evaluation of low back pain. Modic MT, et al. **Orthop Clin North Am** 1991 Apr; 22(2):283–301 (44 ref.)
The MRI measurement of NMR and physiological parameters in tissue to study disease process. Tofts PS, et al. **Prog Clin Biol Res** 1991;363:313–25 (10 ref.)
NMR assessment of valvular disease. Herfkens RJ. **Radiol Med (Torino)** 1990 Jul–Aug;80(1–2):111–7 (25 ref.)
MR imaging and MR spectroscopy of the heart: present and future possibilities and limitations. Sauter R, et al. **Radiol Med (Torino)** 1990 Jul–Aug;80(1–2):172–80 (16 ref.)
Cervical disk disease. Russell EJ. **Radiology** 1990 Nov; 177(2):313–25 (184 ref.)
Three-dimensional motion analysis of an improved head immobilization system for simulation, CT, MRI, and PET imaging. Thornton AF Jr, et al. **Radiother Oncol** 1991 Apr; 20(4):224–8 (16 ref.)
Magnetic resonance angiography of epiaortic vessels. Carriero A, et al. **Rays** 1990 Apr–Jun;15(2):269–79 (17 ref.) **(Eng, Ita)**
Dynamic magnetic resonance imaging in acquired heart disease. Pettigrew RI. **Semin Ultrasound CT MR** 1991 Feb; 12(1):61–91 (95 ref.)
Congenital heart disease: applications of computed tomography and magnetic resonance imaging. Schlesinger AE, et al. **Semin Ultrasound CT MR** 1991 Feb;12(1):11–27 (56 ref.)
Velocity quantification in magnetic resonance imaging. Haacke EM, et al. **Top Magn Reson Imaging** 1991 Jun; 3(3):34–49 (115 ref.)
Interventional magnetic resonance imaging in the head and neck. Lufkin RB, et al. **Top Magn Reson Imaging** 1990 Sep; 2(4):76–80 (22 ref.)
Flow, radiofrequency pulse sequences, and gradient magnetic fields: basic interactions and adaptations to angiographic imaging. Masaryk TJ, et al. **Top Magn Reson Imaging** 1991 Jun;3(3):1–11 (35 ref.)
Magnetic resonance angiography of the carotid bifurcation. Ross JS, et al. **Top Magn Reson Imaging** 1991 Jun; 3(3):12–22 (57 ref.)
Magnetic resonance angiography of the intracranial vasculature. Ruggieri PM, et al. **Top Magn Reson Imaging** 1991 Jun;3(3):23–33 (74 ref.)
[MR angiography] Baumgart T, et al. **Radiol Diagn (Berl)** 1990;31(5):489–92 (11 ref.) (Eng. Abstr.) **(Ger)**
[Magnetic resonance tomography of the uterus. Study techniques, normal and pathologic anatomy] Nauert T, et al. **Rontgenpraxis** 1991 Mar;44(3):83–8 (29 ref.) **(Ger)**
[Magnetic resonance tomography of the whole body—methodology and clinical results] Sandring KH, et al. **Z Arztl Fortbild (Jena)** 1990;84(24):1259–63 (19 ref.) **(Ger)**
[Basic theory of MRA and development of imaging technique] Asai H, et al. **Nippon Rinsho** 1991 Jul; 49(7):1589–93 (17 ref.) **(Jpn)**
[Use of magnetic tomography in cardiology. Introduction of a new method] Slørdahl SA, et al. **Tidsskr Nor Laegeforen** 1991 May 10;111(12):1500–2 (10 ref.) (Eng. Abstr.) **(Nor)**

STANDARDS

Magnetic resonance imaging and pelvic malignancy. Husband JE. **Br J Hosp Med** 1991 May;45(5):294, 296–7, 299 (20 ref.)
Nonspecific findings on MR imaging. The importance of correlative studies and clinical information. Seeger LL, et al. **Clin Orthop** 1991 Sep;(270):306–12 (10 ref.)
Magnetic resonance imaging in orthopaedics. Watt I. **J Bone Joint Surg [Br]** 1991 Jul;73(4):539–50 (62 ref.)

TRENDS

Advances in contrast-enhanced MR imaging. Gastrointestinal contrast agents. Hahn PF. **AJR Am J Roentgenol** 1991 Feb;156(2):252–4 (19 ref.)
Advances in contrast-enhanced MR imaging. Nonneurologic applications. Hamm B. **AJR Am J Roentgenol** 1991 Feb; 156(2):245–52 (56 ref.)
Advances in contrast-enhanced MR imaging. Neurologic applications. Modic MT. **AJR Am J Roentgenol** 1991 Feb; 156(2):239–45 (44 ref.)
Advances in contrast-enhanced MR imaging. Principles. Saini S. **AJR Am J Roentgenol** 1991 Feb;156(2):236–9 (30 ref.)
Noninvasive evaluation of cerebral ischemia. Trends for the 1990s. Tsuruda JS, et al. **Circulation** 1991 Feb;83(2 Suppl):II76–89 (72 ref.)
Future directions in magnetic resonance contrast media. Runge VM, et al. **Top Magn Reson Imaging** 1991 Mar; 3(2):85–97 (43 ref.)

VETERINARY

Principles of magnetic resonance imaging and application to the stifle joint in dogs. Widmer WR, et al. **J Am Vet Med Assoc** 1991 Jun 1;198(11):1914–22 (43 ref.)
Preliminary study of lomustine in the treatment of intracranial masses in dogs following localization by imaging techniques. Fulton LM, et al. **Semin Vet Med Surg (Small Anim)** 1990 Nov;5(4):241–5 (16 ref.)

MAGNETIC RESONANCE SPECTROSCOPY see **NUCLEAR MAGNETIC RESONANCE**

MAGNETICS

Magnetotactic bacteria: microbiology, biomineralization, palaeomagnetism and biotechnology. Mann S, et al. **Adv Microb Physiol** 1990;31:125–81 (84 ref.)
Biomagnetic studies of peripheral nerves and skeletal muscle. Roth BJ. **Adv Neurol** 1990;54:101–17 (60 ref.)
Immunomagnetic purging of bone marrow: a model for negative cell selection. Pole JG, et al. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):257–61 (15 ref.)
Advances in neuromagnetic topography and source localization. Romani GL. **Brain Topogr** 1990 Fall; 3(1):95–102 (29 ref.)
Extremely low-frequency electric and magnetic fields and cancer. Poole C, et al. **Cancer Causes Control** 1991 Jul; 2(4):267–76 (97 ref.)
Overdentures with magnetic attachments. Gillings BR, et al. **Dent Clin North Am** 1990 Oct;34(4):683–709 (49 ref.)
Excitatory and inhibitory effects of magnetic coil stimulation of human cortex. Cracco RQ, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:134–9 (17 ref.)
Cellular magnetic fields: fundamental and applied measurements on nerve axons, peripheral nerve bundles, and skeletal muscle. Wikswo JP Jr, et al. **J Clin Neurophysiol** 1991 Apr;8(2):170–88 (57 ref.)
Biological effects of magnetic fields. Villa M, et al. **Life Sci** 1991;49(2):85–92 (59 ref.)
New magnet designs for MR. Hawksworth D. **Magn Reson Med** 1991 Jan;17(1):27–31; discussion 31–2 (6 ref.)
Effects of low-frequency magnetic fields on embryonic development and pregnancy. Juutilainen J. **Scand J Work Environ Health** 1991 Jun;17(3):149–58 (77 ref.)
[Transcranial magnetic stimulation motor evoked potentials] Gao ZQ, et al. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1990 Oct; 23(5):309–11 (21 ref.) **(Chi)**
[Superconducting biomagnetometer and biomagnetism study] Wu BJ. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):353–7 (31 ref.) **(Chi)**
[Magnetohydrodynamic effects during blood movement] Kizilova NN, et al. **Biofizika** 1991 Jan–Feb;36(1):147–53 (45 ref.) (Eng. Abstr.) **(Rus)**
[The use of magnetic fields in ophthalmology] Skrinnik AV, et al. **Oftalmol Zh** 1990;(8):492–6 (75 ref.) **(Rus)**
[The current status of and outlook for the use of suspensions of magnetic particles in oncology] Mavrichev AS, et al. **Vopr Onkol** 1991;37(1):11–7 (32 ref.) **(Rus)**
[The clinical use of magnetocardiography (a review of the literature)] Korneichuk IA, et al. **Vrach Delo** 1990 Dec; (12):25–30 (36 ref.) **(Rus)**

MAGNETOENCEPHALOGRAPHY

The inverse problem in electroencephalography and magnetoencephalography. Balish M, et al. **Adv Neurol** 1990; 54:79–88 (47 ref.)

Modeling in magnetoencephalography. Ducla-Soares E. **Adv Neurol** 1990;54:95–9 (9 ref.)

Short-latency evoked magnetic fields from the human auditory brainstem. Erné SN, et al. **Adv Neurol** 1990; 54:167–76 (17 ref.)

The use of magnetoencephalography in neurology. Fenwick P. **Adv Neurol** 1990;54:271–82 (45 ref.)

Long-latency auditory evoked magnetic fields. Mäkelä JP, et al. **Adv Neurol** 1990;54:177–91 (76 ref.)

Magnetoencephalography as a noninvasive tool for electrophysiological characterization of auras in classic migraine. Okada Y. **Adv Neurol** 1990;54:133–40 (27 ref.)

Principles of magnetoencephalography. Pizzella V, et al. **Adv Neurol** 1990;54:1–9 (11 ref.)

Magnetoencephalography in the study of mental illness. Reite M. **Adv Neurol** 1990;54:207–22 (58 ref.)

Italian contributions to magnetoencephalographic studies of the epilepsies. Ricci GB. **Adv Neurol** 1990;54:247–60 (23 ref.)

Localization of brain activity with magnetoencephalography. Romani GL, et al. **Adv Neurol** 1990;54:67–77 (19 ref.)

Comparison of electroencephalography and magnetoencephalography. Rose DF, et al. **Adv Neurol** 1990;54:33–7 (10 ref.)

Magnetic evoked responses. Comparison with electrical evoked responses. Rose DF. **Adv Neurol** 1990;54:89–94 (42 ref.)

Somatosensory evoked fields in magnetoencephalography. Basic principles and applications. Rossini PM, et al. **Adv Neurol** 1990;54:157–66 (30 ref.)

Epilepsy research. NIH experience. Sato S. **Adv Neurol** 1990; 54:223–30 (22 ref.)

Electroencephalographic and magnetoencephalographic studies of motor function. Weinberg H, et al. **Adv Neurol** 1990;54:193–205 (56 ref.)

Applications of magnetoencephalography to the study of cognition. Papanicolaou AC, et al. **Ann N Y Acad Sci** 1991; 620:118–27 (32 ref.)

Magnetoencephalography in the study of human auditory information processing. Sams M, et al. **Ann N Y Acad Sci** 1991;620:102–17 (55 ref.)

Evolution of neuromagnetic topographic mapping. Williamson SJ, et al. **Brain Topogr** 1990 Fall;3(1):113–27 (63 ref.)

Magnetic evoked fields of the human brain: basic principles and applications. Hari R. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:3–12 (43 ref.)

On brain's magnetic responses to sensory stimuli. Hari R. **J Clin Neurophysiol** 1991 Apr;8(2):157–69 (33 ref.)

Principles of magnetoencephalography. Sato S, et al. **J Clin Neurophysiol** 1991 Apr;8(2):144–56 (100 ref.)

Magnetoencephalography in the study of epilepsy. Paetau R, et al. **Neurophysiol Clin** 1990 Sep;20(3):169–87 (30 ref.)

INSTRUMENTATION

Neuromagnetic instrumentation. Fagaly RL. **Adv Neurol** 1990;54:11–32 (27 ref.)

State of the multichannel magnetoencephalography. Vieth J. **Biomed Tech (Berlin)** 1990;35 Suppl 3:146–9 (19 ref.)

Magnetoencephalography and epilepsy research. Sato S. **Jpn J Psychiatry Neurol** 1990 Jun;44(2):241–9 (42 ref.)

[Advances of magnetoencephalography—clinical application of a 37 channel biomagnetometer] Kaneko Y, et al. **Nippon Rinsho** 1991 Jul;49(7):1707–14 (13 ref.) **(Jpn)**

METHODS

Techniques for DC magnetoencephalography. Barkley GL, et al. **J Clin Neurophysiol** 1991 Apr;8(2):189–99 (24 ref.)

TRENDS

[Magnetoencephalography—current trends] Cammann R, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Jul; 42(7):412–7 (14 ref.) (Eng. Abstr.) **(Ger)**

MAGNETOMETRY see **MAGNETICS**

MAIC see **MYCOBACTERIUM AVIUM COMPLEX**

MAIDS see **MURINE ACQUIRED IMMUNODEFICIENCY SYNDROME**

MAILLARD REACTION

Prevention of adverse effects of food browning. Friedman M. **Adv Exp Med Biol** 1991;289:171–215 (133 ref.)

The significance of the products of the Maillard (browning) reaction in diabetes. Dominiczak MH. **Diabetic Med** 1991 Jul;8(6):505–16 (142 ref.)

Mechanisms of protection against damage mediated by the Maillard reaction in aging. Monnier VM, et al. **Gerontology** 1991;37(1–3):152–65 (56 ref.)

The Maillard reaction in vivo. Dyer DG, et al. **Z Ernahrungswiss** 1991 Feb;30(1):29–45 (38 ref.)

[The decomposition of reducing sugars and amines in the Maillard reaction] Ledl F. **Z Ernahrungswiss** 1991 Feb; 30(1):4–17 (94 ref.) (Eng. Abstr.) **(Ger)**

[The significance of the Maillard reaction in human physiology] Schleicher E. **Z Ernahrungswiss** 1991 Feb; 30(1):18–28 (46 ref.) (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Inhibition of browning by sulfites. Wedzicha BL, et al. **Adv Exp Med Biol** 1991;289:217–36 (59 ref.)

MAINSTREAMING (EDUCATION)

LEGISLATION & JURISPRUDENCE

Narrowing the gap between policy and practice. Keogh BK. **Except Child** 1990 Oct-Nov;57(2):186–90 (6 ref.)

Do public schools have an obligation to serve troubled children and youth? Nelson CM, et al. **Except Child** 1991 Mar-Apr;57(5):406–17 (65 ref.)

MAIZE see **CORN**

MAIZE OIL see **CORN OIL**

MAJEWSKI SYNDROME see **SHORT RIB-POLYDACTYLY SYNDROME**

MAJOR CORE PROTEIN see **VIRAL CORE PROTEINS**

MAJOR CORE PROTEINS, VIRAL see **VIRAL CORE PROTEINS**

MAJOR HISTOCOMPATIBILITY COMPLEX

The major histocompatibility complex and insulin dependent (type 1) diabetes. Hitman GA. **Autoimmunity** 1989; 4(1–2):119–30 (56 ref.)

Biosynthesis and assembly of MHC antigens. Ploegh HL. **Behring Inst Mitt** 1990 Dec;(87):76–9 (3 ref.)

Role of oncogenes in the regulation of MHC antigen expression. Maudsley DJ. **Biochem Soc Trans** 1991 Apr; 19(2):291–6 (34 ref.)

A unified hypothesis for the complex genetics of HLA associations with IDDM. Nepom GT. **Diabetes** 1990 Oct; 39(10):1153–7 (36 ref.)

Recognition of MHC TL gene products by gamma delta T cells. Van Kaer L, et al. **Immunol Rev** 1991 Apr;120:89–115 (98 ref.)

Comparative immunogenetics of the major histocompatibility complex. Blankenhorn EP. **Immunol Ser** 1989;43:287–318 (92 ref.)

Major histocompatibility complex. Goust JM. **Immunol Ser** 1990;50:31–51 (11 ref.)

Central MHC genes, IgA deficiency and autoimmune disease [see comments] French MA, et al. **Immunol Today** 1990 Aug;11(8):271–4 (52 ref.) Comment in: Immunol Today 1991 Apr;12(4):134–6.

Biosynthesis and assembly of MHC antigens. Ploegh HL. **Scand J Rheumatol Suppl** 1990;87:32–5 (3 ref.)

Advances in and future of tissue typing. Möller E. **Transplant Proc** 1991 Feb;23(1 Pt 1):63–6 (18 ref.)

Update of the human major histocompatibility complex. Yunis EJ, et al. **Transplant Proc** 1991 Apr;23(2):1734–7 (24 ref.)

GENETICS

Genetics of diabetes. Studies of MHC haplotypes by pulsed field gel electrophoresis. Dawkins RL, et al. **Baillieres Clin Endocrinol Metab** 1991 Jun;5(2):285–97 (27 ref.)

Transgenic approaches to understanding the role of MHC genes in insulin dependent diabetes mellitus. I. Immune and non-immune mechanisms of beta cell destruction. Harrison LC. **Baillieres Clin Endocrinol Metab** 1991 Sep;5(3):439–48 (56 ref.)

Cross-ethnic group comparisons of HLA class II alleles and insulin dependent diabetes mellitus. Serjeantson SW, et al. **Baillieres Clin Endocrinol Metab** 1991 Jun;5(2):299–320 (69 ref.)

Transgenic approaches to understanding the role of MHC genes in insulin dependent diabetes mellitus. II. The non-obese diabetic (NOD) mouse. Slattery R. **Baillieres Clin Endocrinol Metab** 1991 Sep;5(3):449–54 (35 ref.)

Overview: the major histocompatibility complex and insulin dependent diabetes mellitus. Tait BD, et al. **Baillieres Clin Endocrinol Metab** 1991 Jun;5(2):211–28 (35 ref.)

Heat shock protein genes and the major histocompatibility complex. Günther E. **Curr Top Microbiol Immunol** 1991; 167:57–68 (56 ref.)

MHC and non-MHC genes in lung tumor susceptibility in the mouse: implications for the study of the different lung tumor types and their cell of origin. Oomen LC, et al. **Exp Lung Res** 1991 Mar-Apr;17(2):283–304 (61 ref.)

Of HLA, tryps, and selection: an essay on coevolution of MHC and parasites. Klein J. **Hum Immunol** 1991 Apr; 30(4):247–58 (57 ref.)

Regulation of MHC transcription. Halloran PF, et al. **Transplantation** 1990 Nov;50(5):725–38 (153 ref.)

Homologies between the major histocompatibility complex of man and cattle: consequences for disease resistance and susceptibility. Giphart MJ, et al. **Vet Q** 1990 Oct; 12(4):202–11 (49 ref.)

The major histocompatibility complex: the value of extended haplotypes in the analysis of associated immune diseases and disorders. Kruskall MS. **Yale J Biol Med** 1990 Sep-Oct; 63(5):477–86 (39 ref.)

[Genetic mechanisms for the regulation of natural killer cell activity] Shparyk IaV, et al. **Tsitol Genet** 1990 Nov-Dec; 24(6):57–63 (39 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

MHC restricted and non-restricted killer lymphocytes. Rees RC. **Blood Rev** 1990 Sep;4(3):204–10 (48 ref.)

Role of MHC and antigens in T-cell development. Murphy KM. **Curr Opin Immunol** 1991 Feb;3(1):26–31 (40 ref.)

Malaria antigens and MHC restriction. Sinigaglia F, et al. **Immunol Lett** 1990 Aug;25(1–3):265–70 (25 ref.)

MHC-restricted cytotoxicity against HIV. Autran B, et al. **J Acquir Immune Defic Syndr** 1991;4(4):361–7 (63 ref.)

Major histocompatibility complex: a system for the specific modulation of differentiated cells? [editorial] Hoecker G. **Scand J Immunol** 1991 Mar;33(3):243–6 (38 ref.)

Heat shock proteins implicated in antigen processing and presentation. De Nagel DC, et al. **Semin Immunol** 1991 Jan;3(1):65–71 (37 ref.)

[Association between celiac disease and major histocompatibility complex: pathogenic implications] Chamouard P, et al. **Gastroenterol Clin Biol** 1991; 15(3):211–9 (92 ref.) **(Fre)**

PHYSIOLOGY

The major histocompatibility complex and reproductive functions. Lerner SP, et al. **Endocr Rev** 1991 Feb; 12(1):78–90 (130 ref.)

MALABSORPTION SYNDROMES

[Intestinal permeability disorders in children] Dupont C, et al. **Allerg Immunol (Paris)** 1991 Mar;23(3):95–103 (52 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Malabsorption of vitamin B12 in pancreatic insufficiency of the adult and of the child. Guéant JL, et al. **Pancreas** 1990 Sep;5(5):559–67 (88 ref.)

[Diagnostic and therapeutic problems in a severe case of bacterial contamination of the small intestine] Biró L, et al. **Orv Hetil** 1991 Mar 3;132(9):475–7 (30 ref.) (Eng. Abstr.) **(Hun)**

ETIOLOGY

[Secondary postresection enteral insufficiency] Iarŭmov N, et al. **Khirurgiia (Sofiia)** 1990;43(5):89–93 (15 ref.) (Eng. Abstr.) **(Bul)**

IMMUNOLOGY

[Current immunological problems in the pathogenesis of intestinal malabsorption] Tsenova V, et al. **Vutr Boles** 1990; 29(5):17–22 (0 ref.) **(Bul)**

METABOLISM

Clinical application of breath hydrogen measurements. Perman JA. **Can J Physiol Pharmacol** 1991 Jan;69(1):111–5 (40 ref.)

PHYSIOPATHOLOGY

[Physiopathology of malabsorption syndrome] Sategna-Guidetti C. **Minerva Gastroenterol Dietol** 1991 Jan-Mar;37(1):47–57 (6 ref.) **(Ita)**

RADIOGRAPHY

Clinical utility of enteroclysis. Rex DK, et al. **Trop Gastroenterol** 1991 Jan-Mar;12(1):15–20 (17 ref.)

MALACOPLAKIA

COMPLICATIONS

[Unusual association of malakoplakia and renal polycystosis. A case report] López Pérez A, et al. **Arch Esp Urol** 1990 Sep;43(7):788–92 (81 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[A case of malakoplakia of the kidney and urinary bladder] Kubo M, et al. **Hinyokika Kiyo** 1991 Feb;37(2):169–73 (30 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

[Testicular and epididymal malacoplakia. Presentation of a case and review of the literature] Romero Martín JA, et al. **Actas Urol Esp** 1990 Sep-Oct;14(5):381–2 (10 ref.) (Eng. Abstr.) **(Spa)**

MALAR BONE see **ZYGOMA**

MALARIA

Imported malaria. Conlon C. **Practitioner** 1990 Sep; 234(1494):841–3 (5 ref.)

Severe and complicated malaria. World Health Organization, Division of Control of Tropical Diseases. **Trans R Soc Trop Med Hyg** 1990;84 Suppl 2:1–65 (518 ref.)

BLOOD

Ultrastructure of malaria–infected erythrocytes [see comments] Atkinson CT, et al. **Blood Cells** 1990; 16(2–3):351–68 (58 ref.) Comment in: Blood Cells 1990;16(2–3):369–78.

The ultrastructure of red cell invasion in malaria infections: a review. Bannister LH, et al. **Blood Cells** 1990; 16(2–3):257–92; discussion 293–7 (122 ref.)

Vesicle–mediated transport of membrane and proteins in malaria–infected erythrocytes [see comments] Barnwell JW. **Blood Cells** 1990;16(2–3):379–95 (80 ref.) Comment in: Blood Cells 1990;16(2–3):396–400.

Properties of permeation pathways induced in the human red cell membrane by malaria parasites [see comments] Cabantchik ZI. **Blood Cells** 1990;16(2–3):421–32 (27 ref.) Comment in: Blood Cells 1990;16(2–3):433–6.

Purines and pyrimidines in malarial parasites. Gero AM, et al. **Blood Cells** 1990;16(2–3):467–84; discussion 485–98 (75 ref.)

Some reflections concerning host erythrocyte–malarial parasite interrelationships. Ginsburg H. **Blood Cells** 1990; 16(2–3):225–35 (46 ref.)

Cytoadherence of malaria–infected erythrocytes [see comments] Hommel M. **Blood Cells** 1990;16(2–3):605–19 (57 ref.) Comment in: Blood Cells 1990;16(2–3):620–8.

Oxidative stress and the redox status of malaria–infected erythrocytes. Hunt NH, et al. **Blood Cells** 1990; 16(2–3):499–526; discussion 527–30 (185 ref.)

Preferential invasion of malarial merozoites into young red blood cells [see comments] Mons B. **Blood Cells** 1990; 16(2–3):299–312 (42 ref.) Comment in: Blood Cells 1990;16(2–3):313–8.

Innate resistance to malaria: the intraerythrocytic cycle. Nagel RL. **Blood Cells** 1990;16(2–3):321–39; discussion 340–9 (90 ref.)

Proteases in malaria–infected red blood cells. Schrével J, et al. **Blood Cells** 1990;16(2–3):563–84; discussion 585–90 (113 ref.)

Ion metabolism in malaria–infected erythrocytes [see comments] Tanabe K. **Blood Cells** 1990;16(2–3):437–49 (61 ref.) Comment in: Blood Cells 1990;16(2–3):450–1.

Biosynthesis and dynamics of lipids in Plasmodium–infected mature mammalian erythrocytes. Vial HJ, et al. **Blood Cells** 1990;16(2–3):531–55; discussion 556–61 (122 ref.)

Biochemistry of red cell invasion. Wilson RJ. **Blood Cells** 1990;16(2–3):237–52; discussion 253–6 (103 ref.)

Increased susceptibility of malaria–infected variant erythrocytes to the mononuclear phagocyte system [see comments] Yuthavong Y, et al. **Blood Cells** 1990; 16(2–3):591–7 (48 ref.) Comment in: Blood Cells 1990;16(2–3):598–601. Comment in: Blood Cells 1990;16(2–3):602–4.

COMPLICATIONS

Surgical aspects of malaria. Gibney EJ. **Br J Surg** 1990 Sep; 77(9):964–7 (68 ref.)

Neurological sequelae of cerebral malaria in children. Brewster DR, et al. **Lancet** 1990 Oct 27;336(8722):1039–43 (39 ref.)

Cerebral malaria in children [see comments] Phillips RE, et al. **Lancet** 1990 Dec 1;336(8727):1355–60 (78 ref.) Comment in: Lancet 1991 Jan 12;337(8733):115. Comment in: Lancet 1991 Feb 2;337(8736):302–3.

[Fatal pulmonary edema in a pernicious malaria attack] Rioult B, et al. **Ann Fr Anesth Reanim** 1990;9(6):557–9 (17 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Preventive therapy for malaria. Johnson LW. **Am Fam Physician** 1991 Aug;44(2):471–8 (15 ref.)

Plasmodium: resistance to antimalarial drugs. Peters W. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:103–6 (8 ref.)

Therapeutics review: the use of parenteral drugs for falciparum malaria. Davidson RN, et al. **Cent Afr J Med** 1990 Oct;36(10):259–63 (20 ref.)

Cerebral malaria—a diagnostic and therapeutic approach. Gandhi DJ, et al. **Indian Pediatr** 1990 Jun;27(6):651–7 (21 ref.)

Chemotherapy and drug resistance in malaria. Cowman AF, et al. **Int J Parasitol** 1990 Jul;20(4):503–13 (98 ref.)

Challenges facing antimalarial therapy in Africa. Campbell CC. **J Infect Dis** 1991 Jun;163(6):1207–11 (25 ref.)

Drug resistance in malaria. Peters W. **Recenti Prog Med** 1990 Dec;81(12):749–53 (29 ref.)

Malaria at Johannesburg Hospital. A retrospective study. Jairam KT, et al. **S Afr Med J** 1990 Oct 20;78(8):467–9 (18 ref.)

The resistance of falciparum malaria in Africa to 4–aminoquinolines and antifolates. Schapira A. **Scand J Infect Dis Suppl** 1990;75:1–64 (182 ref.)

Drugs that reverse chloroquine resistance in malaria. Salomone S, et al. **Trends Pharmacol Sci** 1990 Dec; 11(12):475–6 (27 ref.)

Practical chemotherapy of malaria. Report of a WHO Scientific Group. **WHO Tech Rep Ser** 1990;805:1–141 (0 ref.)

[Imported case of malaria in Taiwan: analysis of 11 cases] Lin SY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1991 Mar; 90(3):308–11 (18 ref.) (Eng. Abstr.) **(Chi)**

[Current drugs for the treatment of tropical malaria] Fernex M, et al. **Schweiz Rundsch Med Prax** 1991 Jan 22; 80(4):67–71 (41 ref.) (Eng. Abstr.) **(Ger)**

[Possibilities and limitations of malaria therapy in general practice] Markwalder K. **Schweiz Rundsch Med Prax** 1991 Jan 22;80(4):62–6 (43 ref.) (Eng. Abstr.) **(Ger)**

[A new approach to overcoming the drug resistance of the causative agents of malaria] Orlov VS, et al. **Med Parazitol (Mosk)** 1990 Sep–Oct;(5):18–21 (42 ref.) (Eng. Abstr.) **(Rus)**

EPIDEMIOLOGY

Malaria immuno—epidemiology—a trial to link field study with basic science. Suzuki M. **Kao Hsiung I Hsueh Ko Hsueh Tsa Chih** 1991 May; 7(5):224–32 (11 ref.)

IMMUNOLOGY

Genetic aspects of malaria parasite infection and the host immune response in relation to parasite evasion. Pereira da Silva L. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:15–7 (20 ref.)

Immune responses to sporozoite antigens and their relationship to naturally acquired immunity to malaria. Greenwood BM. **Bull World Health Organ** 1990;68 Suppl:184–90 (18 ref.)

The conformational restriction of synthetic vaccines for malaria. Satterthwait AC, et al. **Bull World Health Organ** 1990;68 Suppl:17–25 (41 ref.)

Review: cytokines and malaria. Stevenson MM, et al. **Clin Invest Med** 1990 Dec;13(6):353–9 (71 ref.)

Tumor necrosis factor and malaria. Beneficial and harmful aspects. Playfair JH. **Diagn Microbiol Infect Dis** 1990 Sep–Oct;13(5):435–8 (12 ref.)

Where are we in the quest for vaccines for malaria? Siddiqui WA. **Drugs** 1991 Jan;41(1):1–10 (119 ref.)

The parasitology of malaria and the study of protective immunity. Brown KN. **Immunol Lett** 1990 Aug; 25(1–3):97–9 (21 ref.)

T cell responses in acute falciparum malaria. Ho M, et al. **Immunol Lett** 1990 Aug;25(1–3):135–8 (23 ref.)

Cellular mechanisms in immunity to blood stage infection. Kumar S, et al. **Immunol Lett** 1990 Aug;25(1–3):109–14 (19 ref.)

Tumour necrosis factor, fever and fatality in falciparum malaria. Kwiatkowski D. **Immunol Lett** 1990 Aug; 25(1–3):213–6 (14 ref.)

Hepatic phase of malaria is the target of cellular mechanisms induced by the previous and the subsequent stages. A crucial role for liver nonparenchymal cells. Mazier D, et al. **Immunol Lett** 1990 Aug;25(1–3):65–70 (46 ref.)

Anti–parasite effects of cytokines in malaria. Mendis KN, et al. **Immunol Lett** 1990 Aug;25(1–3):217–20 (26 ref.)

Measuring cellular immune responses to malaria antigens in endemic populations: epidemiological, parasitological and physiological factors which influence in vitro assays. Riley E, et al. **Immunol Lett** 1990 Aug;25(1–3):221–9 (56 ref.)

Malaria antigens and MHC restriction. Sinigaglia F, et al. **Immunol Lett** 1990 Aug;25(1–3):265–70 (25 ref.)

Cell–mediated immunity to the asexual blood stages of malarial parasites: animal models. Weidanz WP, et al. **Immunol Lett** 1990 Aug;25(1–3):87–95 (95 ref.)

The spleen in malaria: the role of barrier cells. Weiss L. **Immunol Lett** 1990 Aug;25(1–3):165–72 (27 ref.)

Naturally acquired immunity to Plasmodium falciparum. Day KP, et al. **Immunol Today** 1991 Mar;12(3):A68–71 (37 ref.)

Antigenic polymorphism in malaria: is it an important mechanism for immune evasion? Mendis KN, et al. **Immunol Today** 1991 Mar;12(3):A34–7 (43 ref.)

Human immune responses against sexual stages of malaria parasites: considerations for malaria vaccines. Mendis KN, et al. **Int J Parasitol** 1990 Jul;20(4):497–502 (23 ref.)

Immunity to sexual stages of human malaria parasites: immune modulation during natural infections, antigenic determinants, and the induction of transmission–blocking immunity. Targett G. **Scand J Infect Dis Suppl** 1990; 76:79–88 (31 ref.)

MORTALITY

Tumour necrosis factor, fever and fatality in falciparum malaria. Kwiatkowski D. **Immunol Lett** 1990 Aug; 25(1–3):213–6 (14 ref.)

PARASITOLOGY

The generation of genetic diversity in malaria parasites. McConkey GA, et al. **Annu Rev Microbiol** 1990;44:479–98 (55 ref.)

The parasitology of malaria and the study of protective immunity. Brown KN. **Immunol Lett** 1990 Aug; 25(1–3):97–9 (21 ref.)

Hepatic phase of malaria is the target of cellular mechanisms induced by the previous and the subsequent stages. A crucial role for liver nonparenchymal cells. Mazier D, et al. **Immunol Lett** 1990 Aug;25(1–3):65–70 (46 ref.)

Malaria as anthropo–ecosystem (MAES): Part V. Self–regulation and stability of MAES. Kondrashin AV, et al. **J Commun Dis** 1990 Mar;22(1):12–22 (36 ref.)

Malaria. Heck JE. **Prim Care** 1991 Mar;18(1):195–211 (37 ref.)

The hypnozoite and malarial relapse. Krotoski WA. **Prog Clin Parasitol** 1989;1:1–19 (67 ref.)

Calcium/calmodulin functions in P. falciparum in vitro—implications for antiprotozoal drug design. Scheibel LW, et al. **Prog Clin Parasitol** 1989;1:21–56 (172 ref.)

PHYSIOPATHOLOGY

Cerebral malaria: the unsolved riddle [editorial] Román GC. **J Neurol Sci** 1991 Jan;101(1):1–6 (49 ref.)

PREVENTION & CONTROL

Sporozoite malaria vaccine. Where do we stand? Nussenzweig V, et al. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:49–52 (19 ref.)

Recombinant proteins and synthetic peptides as malaria vaccine candidates. Nussenzweig RS. **Can J Microbiol** 1990 Nov;36(11):817–20 (22 ref.)

Malaria vaccine. Certa U. **Experientia** 1991 Feb 15; 47(2):157–63 (31 ref.)

Molecular parasitology: progress towards the development of vaccines for malaria, filariasis, and schistosomiasis. Cryz SJ Jr. **Experientia** 1991 Feb 15;47(2):146–51 (50 ref.)

Towards vaccine optimisation. Lussow AR, et al. **Immunol Lett** 1990 Aug;25(1–3):255–63 (54 ref.)

An assessment of low birthweight risk in primiparae as an indicator of malaria control in pregnancy. Brabin B. **Int J Epidemiol** 1991 Mar;20(1):276–83 (40 ref.)

Success of integrated methods of control of mosquitoes in India—a review. Yadava RL, et al. **J Commun Dis** 1990 Jun;22(2):79–85 (13 ref.)

Malaria eradication in Taiwan, 1952–1964—some memorable facts. Chen WI. **Kao Hsiung I Hsueh Ko Hsueh Tsa Chih** 1991 May; 7(5):263–70 (6 ref.)

Current status of malaria in Taiwan from 1966 to 1990. Chuang CH. **Kao Hsiung I Hsueh Ko Hsueh Tsa Chih** 1991 May;7(5):233–42 (9 ref.)

Views and reflections on anti–malaria programmes in the world. Farid MA. **Kao Hsiung I Hsueh Ko Hsueh Tsa Chih** 1991 May; 7(5):243–55 (9 ref.)

Historical review of malaria control program in Taiwan. Liang KC. **Kao Hsiung I Hsueh Ko Hsueh Tsa Chih** 1991 May;7(5):271–7 (10 ref.)

Innovative procedures used in the Taiwan malaria eradication program. Pletsch DJ. **Kao Hsiung I Hsueh Ko Hsueh Tsa Chih** 1991 May; 7(5):256–62 (6 ref.)

Prospects for a malaria vaccine. Coppel RL. **Microbiol Sci** 1986 Oct;3(10):292–5 (23 ref.)

The dynamics of drug resistance in Plasmodium falciparum. Wernsdorfer WH, et al. **Pharmacol Ther** 1991;50(1):95–121 (127 ref.)

Progress toward malaria preerythrocytic vaccines. Hoffman SL, et al. **Science** 1991 Apr 26;252(5005):520–1 (27 ref.)

Drug–resistant malaria: mechanisms of development and inferences for malaria control. Björkman A, et al. **Trans R Soc Trop Med Hyg** 1990 May–Jun;84(3):323–4 (17 ref.)

[Vector control and malaria control] Carnevale P, et al. **Med Trop (Mars)** 1990 Oct–Dec;50(4):391–8 (75 ref.) (Eng. Abstr.) **(Fre)**

[Recurrent psychiatric manifestations during malaria prevention with mefloquine. A case report] Rodor F, et al. **Therapie** 1990 Sep–Oct;45(5):433–4 (6 ref.) (Eng. Abstr.) **(Fre)**

[Immunoprophylaxis of malaria] Sauer H. **Allerg Immunol (Leipz)** 1991;37(1):3–16 (106 ref.) (Eng. Abstr.) **(Ger)**

[Malaria prophylaxis: what is safe?] Holzer RB. **Ther Umsch** 1990 Oct;47(10):795–808 (55 ref.) (Eng. Abstr.) **(Ger)**

[A current problem: the prevention of malaria] Marinelli P, et al. **Ann Ig** 1989 Nov–Dec;1(6):1761–79 (21 ref.) (Eng. Abstr.) **(Ita)**

THERAPY

Exchange transfusion as an adjunct to the treatment of severe falciparum malaria: case report and review. Phillips P, et al. **Rev Infect Dis** 1990 Nov–Dec;12(6):1100–8 (49 ref.)

Exchange transfusion of whole blood in the treatment of cerebral malaria. Elder AT, et al. **Scott Med J** 1990 Oct; 35(5):146–7 (14 ref.)

Ayurveda, malaria and the indigenous herbal tradition in Sri Lanka. Silva KT. **Soc Sci Med** 1991;33(2):153–60 (35 ref.)

[Intensive medical treatment of severe malaria tropica] Böker KH, et al. **Dtsch Med Wochenschr** 1991 May 17; 116(20):780–5 (70 ref.) **(Ger)**

TRANSMISSION

On the use of mathematical models of malaria transmission. Koella JC. **Acta Trop (Basel)** 1991 Apr;49(1):1–25 (47 ref.)

Nosocomial transmission and infection control aspects of parasitic and ectoparasitic diseases. Part II. Blood and tissue

parasites. Lettau LA. **Infect Control Hosp Epidemiol** 1991 Feb;12(2):111–21 (121 ref.)

VETERINARY

Virulence of lizard malaria: the evolutionary ecology of an ancient parasite–host association. Schall JJ. **Parasitology** 1990;100 Suppl:S35–52 (69 ref.)

MALASSEZIA

The role of Pityrosporum ovale in seborrheic dermatitis. Bergbrant IM, et al. **Semin Dermatol** 1990 Dec;9(4):262–8 (103 ref.)

DRUG EFFECTS

The control of seborrhoeic dermatitis and dandruff by antipityrosporal drugs. McGrath J, et al. **Drugs** 1991 Feb; 41(2):178–84 (62 ref.)

MALIGNANT CARCINOID SYNDROME

DRUG THERAPY

Clinical review 23: The use of the long–acting somatostatin analog octreotide in the treatment of gut neuroendocrine tumors. Wynick D, et al. **J Clin Endocrinol Metab** 1991 Jul;73(1):1–3 (5 ref.)

PHYSIOPATHOLOGY

Carcinoid syndrome and serotonin: therapeutic effects of ketanserin. Robertson JI. **Cardiovasc Drugs Ther** 1990 Jan; 4 Suppl 1:53–8 (34 ref.)

THERAPY

[Surgical and ischemic treatment in malignant carcinoid of the small intestine] Akerström G, et al. **Lakartidningen** 1991 May 22;88(21):1983–5 (14 ref.) **(Swe)**

MALIGNANT HYPERPYREXIA see **MALIGNANT HYPERTHERMIA**

MALIGNANT HYPERTHERMIA

ETIOLOGY

Malignant hyperpyrexia. Foster PS. **Int J Biochem** 1990; 22(11):1217–22 (78 ref.)

THERAPY

[Update on the therapy of malignant hyperthermia] Britt BA. **Rev Esp Anestesiol Reanim** 1990 Jul–Aug;37(4):210–5 (111 ref.) **(Spa)**

MALINGERING

DIAGNOSIS

Development of a new classificatory model of malingering. Rogers R. **Bull Am Acad Psychiatry Law** 1990;18(3):323–33 (46 ref.)

MALLOPHAGA

CLASSIFICATION

Biosystematics of the chewing lice of pocket gophers. Hellenthal RA, et al. **Annu Rev Entomol** 1991;36:185–203 (89 ref.)

MALLORY–WEISS SYNDROME

ETIOLOGY

Mallory–Weiss syndrome after cardiopulmonary resuscitation. Norfleet RG, et al. **J Clin Gastroenterol** 1990 Oct;12(5):569–72 (21 ref.)

[Mallory–Weiss syndrome] Miroshnikov BI, et al. **Vestn Khir** 1991 Feb;146(2):147–51 (40 ref.) **(Rus)**

SURGERY

[Mallory–Weiss syndrome. Surgical treatment after sclerotherapy. Presentation of a case and review of the literature] Eslava García R, et al. **Rev Gastroenterol Mex** 1990 Apr–Jun;55(2):75–7 (14 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

[Mallory–Weiss syndrome. Surgical treatment after sclerotherapy. Presentation of a case and review of the literature] Eslava García R, et al. **Rev Gastroenterol Mex** 1990 Apr–Jun;55(2):75–7 (14 ref.) (Eng. Abstr.) **(Spa)**

MALNUTRITION see **NUTRITION DISORDERS**

MALOCCLUSION

see related
ORTHODONTICS, CORRECTIVE

PROGNATHISM
RETROGNATHISM

COMPLICATIONS

Temporomandibular symptoms and occlusion: a review of the literature & the concept. Lipp MJ. **N Y State Dent J** 1990 Nov;56(9):58–66 (64 ref.)

Identifying normal and abnormal development of dental occlusion. Smith RJ. **Pediatr Clin North Am** 1991 Oct; 38(5):1149–71 (126 ref.)

Occlusal features and caries experience. Palin–Palokas T, et al. **Proc Finn Dent Soc** 1990;86(2):77–82 (32 ref.)

ETIOLOGY

The mandibular third molar and late crowding of the mandibular incisors—a review. Vasir NS, et al. **Br J Orthod** 1991 Feb;18(1):59–66 (59 ref.)

[Changes in the posterior vertical dimension of the face. Etiopathogenic factors, architectural criteria and therapeutic aspects] Mercier J, et al. **Orthod Fr** 1989;60 Pt 2:575–82 (4 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

[The development and perspectives of the Edgewise technic. The biomechanics of the continuous arch] Garcia R. **Orthod Fr** 1990;61 Pt 1:59–93 (98 ref.) **(Fre)**

RADIOGRAPHY

[Teleroentgenographic findings in adults with overbite. Teleroentgenographic morphology in closed–bite patients] Reinhardt A, et al. **Dtsch Zahn Mund Kieferheilkd Zentralbl** 1991;79(2):115–23 (31 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Biotechnical and other factors affecting orthognathic surgery. Isaacson RJ, et al. **Int J Technol Assess Health Care** 1990;6(4):516–27 (10 ref.)

THERAPY

Orthodontic treatment and temporomandibular joint sounds—a longitudinal study. Sadowsky C, et al. **Am J Orthod Dentofacial Orthop** 1991 May;99(5):441–7 (49 ref.)

Vertical changes in high mandibular plane cases following enucleation of second premolars. Garlington M, et al. **Angle Orthod** 1990 Winter;60(4):263–7; discussion 267–8 (13 ref.)

Stability and relapse of dental arch alignment. Little RM. **Br J Orthod** 1990 Aug;17(3):235–41 (10 ref.)

The case for postoperative orthodontics in orthognathic surgery. Koole R, et al. **J Craniomaxillofac Surg** 1990 Oct; 18(7):293–6 (8 ref.)

Early interceptive treatment of asymmetry. Linder–Aronson S. **Proc Finn Dent Soc** 1991;87(1):159–66 (8 ref.)

[The question of root resorption. Is the risk of root resorption related to the typology of the face?] Bacon W, et al. **Orthod Fr** 1989;60 Pt 2:559–73 (83 ref.) (Eng. Abstr.) **(Fre)**

[The therapeutic impact of the Begg technic on vertical dimension] Méry J, et al. **Orthod Fr** 1989;60 Pt 2:861–71 (22 ref.) (Eng. Abstr.) **(Fre)**

[Dental occlusion and orthodontics in children] Ackx J, et al. **Rev Belge Med Dent** 1990;45(4):45–52 (28 ref.) (Eng. Abstr.) **(Fre)**

MALOCCLUSION, ANGLE CLASS I

THERAPY

[A comparative study of cephalometric variation of the skeletal and dentoalveolar structures after treatment with the Begg, Ricketts and edgewise technic in cases of Class I and Class II malocclusions treated with and without extractions] Saurel–Passebosc C, et al. **Orthod Fr** 1989;60 Pt 2:873–94 (8 ref.) (Eng. Abstr.) **(Fre)**

MALOCCLUSION, ANGLE CLASS II

REHABILITATION

Prosthodontic rehabilitation of patients with Class II malocclusions. Drago CJ, et al. **J Prosthet Dent** 1990 Oct; 64(4):435–45 (24 ref.)

THERAPY

Methods used to evaluate growth modification in Class II malocclusion. Tulloch JF, et al. **Am J Orthod Dentofacial Orthop** 1990 Oct;98(4):340–7 (11 ref.)

[Skeletal deep bite and esthetics] Aknin JJ. **Orthod Fr** 1989; 60 Pt 2:663–75 (12 ref.) (Eng. Abstr.) **(Fre)**

[A comparative study of cephalometric variation of the skeletal and dentoalveolar structures after treatment with the Begg, Ricketts and edgewise technic in cases of Class I and Class II malocclusions treated with and without extractions] Saurel–Passebosc C, et al. **Orthod Fr** 1989;60 Pt 2:873–94 (8 ref.) (Eng. Abstr.) **(Fre)**

MALOCCLUSION, ANGLE CLASS III

PHYSIOPATHOLOGY

Occlusion for the Class III jaw relations patient. Jensen WO. **J Prosthet Dent** 1990 Nov;64(5):566–8 (4 ref.)

MALONALDEHYDE see **MALONDIALDEHYDE**

MALONDIALDEHYDE

ANALYSIS

The biological significance of malondialdehyde determination in the assessment of tissue oxidative stress. Valenzuela A. **Life Sci** 1991;48(4):301–9 (53 ref.)

METABOLISM

Malondialdehyde, modified lipoproteins, and atherosclerosis. Haberland ME, et al. **Eur Heart J** 1990 Aug;11 Suppl E:100–4 (38 ref.)

Malondialdehyde and thiobarbituric acid–reactivity as diagnostic indices of lipid peroxidation and peroxidative tissue injury. Janero DR. **Free Radic Biol Med** 1990; 9(6):515–40 (196 ref.)

A review of recent studies on the metabolism of exogenous and endogenous malondialdehyde. Draper HH, et al. **Xenobiotica** 1990 Sep;20(9):901–7 (27 ref.)

MALPRACTICE

see related
INSURANCE, LIABILITY

Breast cancer—biology and malpractice. Plotkin D, et al. **Am J Clin Oncol** 1991 Jun;14(3):254–66 (63 ref.)

College of American Pathologists Conference XIX on the Examination of the Placenta: report of the Working Group on the Role of the Pathologist in Malpractice Litigation Involving the Placenta. Naeye R, et al. **Arch Pathol Lab Med** 1991 Jul;115(7):717–9 (7 ref.)

LEGISLATION & JURISPRUDENCE

Mammography and malpractice. Potchen EJ, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):475–80 (34 ref.)

Tardive dyskinesia: legal and preventive aspects [see comments] Shriqui CL, et al. **Can J Psychiatry** 1990 Oct; 35(7):576–80 (56 ref.) Comment in: Can J Psychiatry 1990 Oct;35(7):573–4.

Litigation in trauma. Staniforth P. **Injury** 1990 Sep; 21(5):321–4 (11 ref.)

Dental malpractice litigation in a nutshell. Morris WO. **J Am Coll Dent** 1991 Spring;58(1):46–52 (28 ref.)

Expanded liability of hospitals for the negligence of fatigued residents. McNoble DJ. **J Leg Med** 1990 Dec;11(4):427–49 (77 ref.)

STATISTICS & NUMERICAL DATA

Malpractice. Monrad Aas IH. **Qual Assur Health Care** 1991; 3(1):21–39 (76 ref.)

MALT see **CEREALS**

MALTA FEVER see **BRUCELLOSIS**

MALTASES see **ALPHA–GLUCOSIDASES**

MALTHUSIANISM see **POPULATION DYNAMICS**

MALTOSE

METABOLISM

The role of ATP as the energy source for maltose transport in Escherichia coli. Dean DA, et al. **Res Microbiol** 1990 Mar–Apr;141(3):348–52 (16 ref.)

MAMMAE

CYTOLOGY

Regulatory mechanisms in breast cancer. Local effects of growth factors. Daniel CW, et al. **Cancer Treat Res** 1991; 53:79–92 (32 ref.)

The role of epidermal growth factor in normal and neoplastic growth of mouse mammary epithelial cells. Oka T, et al. **Cancer Treat Res** 1988;40:343–62 (56 ref.)

Regulation of mammary epithelial cell growth in mice and rats. Imagawa W, et al. **Endocr Rev** 1990 Nov;11(4):494–523 (346 ref.)

GROWTH & DEVELOPMENT

Relationship of growth factors and differentiation in normal and neoplastic development of the mammary gland. Fernig DG, et al. **Cancer Treat Res** 1991;53:47–78 (182 ref.)

Tenascin in mammary gland development: from embryogenesis to carcinogenesis. Sakakura T, et al. **Cancer Treat Res** 1991;53:383–400 (53 ref.)

Regulation of development of the normal mammary gland by hormones and growth factors. Vonderhaar BK. **Cancer Treat Res** 1988;40:251–66 (84 ref.)

New aspects of stroma–parenchyma relations in mammary

gland differentiation. Sakakura T. **Int Rev Cytol** 1991; 125:165–202 (173 ref.)

IMMUNOLOGY

Mucosal immunity of the mammary gland and immunology of mother/newborn interrelation. Chernishov VP, et al. **Arch Immunol Ther Exp (Warsz)** 1990;38(1–2):145–64 (145 ref.)

METABOLISM

Mechanisms of mammary gland ion transport. Shennan DB. **Comp Biochem Physiol [A]** 1990;97(3):317–24 (73 ref.)

MICROBIOLOGY

MMTV as a model for gene expression in mammary tissue. Hager GL. **Cancer Treat Res** 1988;40:267–81 (38 ref.)

PHYSIOLOGY

Stromal–epithelial interactions in normal and neoplastic mammary gland. Haslam SZ. **Cancer Treat Res** 1991; 53:401–20 (81 ref.)

Mammary epithelial cells, extracellular matrix, and gene expression. Streuli CH, et al. **Cancer Treat Res** 1991; 53:365–81 (22 ref.)

Dry cow nutrition. The key to improving fresh cow performance. Van Saun RJ.
Vet Clin North Am Food Anim Pract 1991 Jul;7(2):599–620 (117 ref.)

MAMMALS

Influence of febrile disease on the pharmacokinetics of veterinary drugs. van Miert A. **Ann Rech Vet** 1990;21 Suppl 1:11S–28S (127 ref.)

Development of follicles in the mammalian ovary. Hirshfield AN. **Int Rev Cytol** 1991;124:43–101 (344 ref.)

ANATOMY & HISTOLOGY

Projection of the mammalian superior colliculus upon the dorsal lateral geniculate nucleus: organization of tectogeniculate pathways in nineteen species. Harting JK, et al. **J Comp Neurol** 1991 Feb 8;304(2):275–306 (137 ref.)

[The "protective acid coat" of the skin of our domestic animals] Meyer W, et al.
DTW Dtsch Tierarztl Wochenschr 1991 May;98(5):167–70 (49 ref.) (Eng. Abstr.) **(Ger)**

[The extracellular epidermal compartment of mammals] Sokolov VE, et al. **Izv Akad Nauk SSSR [Biol]** 1990 Jul–Aug;(4):542–55 (76 ref.) (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

On the role of gravity and positional information in embryological axis formation and tissue compartmentalization. Allaerts W. **Acta Biotheor** 1991 Mar; 39(1):47–62 (67 ref.)

The visual pathways of eutherian mammals and marsupials develop according to a common timetable. Robinson SR, et al. **Brain Behav Evol** 1990;36(4):177–95 (190 ref.)

Testicular differentiation—a developmental cascade. Morphogenetic effects of H–Y antigen and testosterone in the male mammalian gonad. Müller U, et al.
Differentiation 1983;23 Suppl:S99–103 (60 ref.)

Structural aspects of gonadal differentiation in mammals and birds. Wartenberg H. **Differentiation** 1983;23 Suppl:S64–71 (37 ref.)

Cell lineage and differentiation during growth of the early mammalian embryo. Gardner RL. **Proc Nutr Soc** 1990 Jul; 49(2):269–79 (64 ref.)

The embryonic development of mammalian neural tube defects. Copp AJ, et al. **Prog Neurobiol** 1990;35(5):363–403 (280 ref.)

GENETICS

Analysis of G proteins in mammals and flies. Neer EJ.
Adv Second Messenger Phosphoprotein Res 1990;24:58–62 (38 ref.)

Trans-sensing effects from Drosophila to humans. Tartof KD, et al. **Cell** 1991 Apr 19;65(2):201–3 (23 ref.)

Aberrant sex chromosome mechanisms in mammals. Evolutionary aspects. Fredga K. **Differentiation** 1983;23 Suppl:S23–30 (58 ref.)

Mammalian cytogenetics and conservation of species. Benirschke K, et al. **J Hered** 1991 May–Jun;82(3):187–91 (28 ref.)

Genetic manipulation of mammals and its application in reproductive biology. Wilmut I, et al. **J Reprod Fertil** 1991 Jul;92(2):245–79 (223 ref.)

Evolution of the major histocompatibility complex: independent origin of nonclassical class I genes in different groups of mammals. Hughes AL, et al. **Mol Biol Evol** 1989 Nov;6(6):559–79 (80 ref.)

[The effect of translation inhibitor cycloheximide on expression of mammalian genes] Chesnokov VN, et al.
Biokhimiia 1990 Jul;55(7):1276–8 (17 ref.) (Eng. Abstr.) **(Rus)**

[Genetic control over the determination and proliferation of melanocyte stem cells in mammals] Koniukhov BV.
Ontogenez 1991 Mar–Apr;22(2):167–75 (47 ref.) (Eng. Abstr.) **(Rus)**

[The structure and hormonal regulation of the expression of tyrosine aminotransferase genes in mammals] Mertvetsov NP, et al. **Probl Endokrinol (Mosk)** 1990 Jul–Aug; 36(4):42–51 (38 ref.) **(Rus)**

[Extrachromosomal DNA in mammalian cells] Sal'nokov KV. **Tsitologiia** 1990;32(11):1061–71 (58 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Genetic control of cell-mediated immunity in chickens. Bacon LD, et al. **Poult Sci** 1991 May;70(5):1187–99 (113 ref.)

METABOLISM

Antioxidants and aging. Cutler RG. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):373S–379S (27 ref.)

Lysine–pipecolic acid metabolic relationships in microbes and mammals. Broquist HP. **Annu Rev Nutr** 1991;11:435–48 (48 ref.)

Metabolic and intestinal effects of short-chain fatty acids. Rombeau JL, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):181S–185S (44 ref.)

Endocrine control of glucose homeostasis in mammals: food for thought. Widmaier EP. **Mol Cell Endocrinol** 1991 Jan; 75(1):C1–6 (45 ref.)

The sodium pump and other mechanisms of thermogenesis in selected tissues. Kelly JM, et al. **Proc Nutr Soc** 1990 Jul;49(2):185–202 (119 ref.)

Small mammals as monitors of environmental contaminants. Talmage SS, et al. **Rev Environ Contam Toxicol** 1991; 119:47–145 (120 ref.)

Comparative properties of erythrocyte calcium-transporting enzyme in different mammalian species. Bababunmi EA, et al. **World Rev Nutr Diet** 1991;64:109–38 (83 ref.)

[Control of ras proto-oncogene activity in mammalian cells (editorial)] Tocque B. **Pathol Biol (Paris)** 1991 Apr; 39(4):247–51 (54 ref.) **(Fre)**

[Energy metabolism and the direction of evolutionary progress in the class of mammals] Zotin AI, et al.
Zh Obshch Biol 1990 Nov–Dec;51(6):760–7 (34 ref.) (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Host–parasite hormonal relationships: a common theme? Beckage NE. **Exp Parasitol** 1991 Apr;72(3):332–8 (64 ref.)

The role of helminths in the biological control of mammals. Spratt DM. **Int J Parasitol** 1990 Jul;20(4):543–50 (64 ref.)

PHYSIOLOGY

Hemodynamic and neurohumoral responses to acute hypovolemia in conscious mammals. Schadt JC, et al.
Am J Physiol 1991 Feb;260(2 Pt 2):H305–18 (152 ref.)

Plasticity of sensory and motor maps in adult mammals. Kaas JH. **Annu Rev Neurosci** 1991;14:137–67 (158 ref.)

The mammalian sinoatrial node. Opthof T.
Cardiovasc Drugs Ther 1988 Mar;1(6):573–97 (175 ref.)

Stem cells: attributes, cycles, spirals, pitfalls and uncertainties. Lessons for and from the crypt. Potten CS, et al.
Development 1990 Dec;110(4):1001–20 (83 ref.)

Thermoregulation under conditions of impaired body fluid/osmotic balance in mammals. Horowitz M.
J Basic Clin Physiol Pharmacol 1990 Jan–Dec; 1(1–4):267–76 (20 ref.)

Morphology of mammalian sperm membranes during differentiation, maturation, and capacitation. Bearer EL, et al. **J Electron Microsc Tech** 1990 Dec;16(4):281–97 (58 ref.)

Ultrastructural correlates of meiotic maturation in mammalian oocytes. McGaughey RW, et al.
J Electron Microsc Tech 1990 Dec;16(4):257–80 (77 ref.)

2-Phenylethylamine: a modulator of catecholamine transmission in the mammalian central nervous system? Paterson IA, et al. **J Neurochem** 1990 Dec;55(6):1827–37 (110 ref.)

Hormonal regulation of sociosexual behavior in female mammals. Takahashi LK. **Neurosci Biobehav Rev** 1990 Winter;14(4):403–13 (191 ref.)

Thyroid hormones and thermogenesis. Dauncey MJ.
Proc Nutr Soc 1990 Jul;49(2):203–15 (83 ref.)

How sensory cortex is subdivided in mammals: implications for studies of prefrontal cortex. Kaas JH.
Prog Brain Res 1990;85:3–10; discussion 10–1 (37 ref.)

Regulatory sites in the melatonin system of mammals. Krause DN, et al. **Trends Neurosci** 1990 Nov;13(11):464–70 (52 ref.)

[Regulation of the biologic rhythms in mammals. Function of the pineal gland] Cardinali DP.
An R Acad Nac Med (Madr) 1990;107(3):433–42 (51 ref.) **(Spa)**

[New concepts about the terminal mechanism of fertilization in mammals] Reyes A, et al. **Ginecol Obstet Mex** 1990 Oct; 58:292–9 (40 ref.) (Eng. Abstr.) **(Spa)**

MAMMARY ARTERIES

Internal mammary artery subclavian vein fistula following internal jugular vein catheterization. A case report and review of the literature. Halldorsson A, et al.
J Cardiovasc Surg (Torino) 1991 May–Jun;32(3):376–9 (17 ref.)

INJURIES

Traction injury in the internal mammary artery. Report of a case and review of the literature. Sonmez B, et al.
J Cardiovasc Surg (Torino) 1990 Sep–Oct;31(5):592–4 (6 ref.)

TRANSPLANTATION

[Coronary artery bypass using bovine internal mammary artery] Donzeau-Gouge P, et al. **Ann Chir** 1990; 44(8):599–601 (10 ref.) (Eng. Abstr.) **(Fre)**

[Coronary artery bypass with bovine internal mammary artery graft] Donzeau-Gouge P, et al. **Arch Mal Coeur** 1990 Nov;83(12):1811–5 (15 ref.) (Eng. Abstr.) **(Fre)**

MAMMARY CANCER VIRUS

GENETICS

MMTV as a model for gene expression in mammary tissue. Hager GL. **Cancer Treat Res** 1988;40:267–81 (38 ref.)

The activation of cellular oncogenes by proviral insertion in murine mammary cancer. Nusse R. **Cancer Treat Res** 1988;40:283–306 (110 ref.)

Transcriptional regulation of mouse mammary tumor virus by steroid hormones. Beato M. **Crit Rev Oncog** 1991; 2(3):195–210 (168 ref.)

Characterization of int-2: a member of the fibroblast growth factor family. Dickson C, et al. **J Cell Sci Suppl** 1990; 13:87–96 (32 ref.)

MAMMARY DYSPLASIA see **FIBROCYSTIC DISEASE OF BREAST**

MAMMARY GLANDS see **BREAST**

MAMMARY GLANDS, ANIMAL see **MAMMAE**

MAMMARY NEOPLASMS

IMMUNOLOGY

Immunological aspects of mammary tumors in dogs and cats: a survey including own studies and pertinent literature. Rutten VP, et al. **Vet Immunol Immunopathol** 1990 Nov; 26(3):211–25 (49 ref.)

PATHOLOGY

The role of epidermal growth factor in normal and neoplastic growth of mouse mammary epithelial cells. Oka T, et al.
Cancer Treat Res 1988;40:343–62 (56 ref.)

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the mammary gland. Russo J, et al.
IARC Sci Publ 1990;(99):47–78 (65 ref.)

PHYSIOPATHOLOGY

Hormones and mammary tumour disease in the female dog: an update. Rutteman GR. **In Vivo** 1990 Jan–Feb;4(1):33–40 (107 ref.)

MAMMARY NEOPLASMS, EXPERIMENTAL

CHEMICALLY INDUCED

Mammary tumorigenesis. Russo J, et al.
Prog Exp Tumor Res 1991;33:175–91 (52 ref.)

CHEMISTRY

Tumor-associated growth factors in malignant rodent and human mammary epithelial cells. Salomon DS, et al.
Cancer Treat Res 1988;40:363–89 (92 ref.)

DRUG THERAPY

Inhibition of aromatase in vitro and in vivo by aromatase inhibitors. Bhatnagar AS, et al. **J Enzym Inhib** 1990; 4(2):179–86 (26 ref.)

Antiestrogen action in mammary cancer and in fetal cells. Pasqualini JR, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):343–8 (33 ref.)

Antitumor activity and mechanism of action of different antiprogestins in experimental breast cancer models. Schneider MR, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):783–7 (9 ref.)

Chemosuppression of breast cancer with long-term tamoxifen therapy. Jordan VC. **Prev Med** 1991 Jan;20(1):3–14 (90 ref.)

[LH-RH analogs in mammary carcinoma: experimental aspects] Scambia G, et al. **Drugs Exp Clin Res** 1990;16 Suppl:39–46 (21 ref.) **(Ita)**

[Zoladex in the treatment of mammary carcinoma] Sismondi P, et al. **Drugs Exp Clin Res** 1990;16 Suppl:47–58 (56 ref.) **(Ita)**

ETIOLOGY

Dietary fats and cancer. Carroll KK. **Am J Clin Nutr** 1991 Apr;53(4 Suppl):1064S–1067S (60 ref.)

GENETICS

The activation of cellular oncogenes by proviral insertion in murine mammary cancer. Nusse R. **Cancer Treat Res**

1988;40:283–306 (110 ref.)
Role of the int-genes in murine mammary tumor development and implications for human breast cancer. Dickson C. **Int J Cancer Suppl** 1990;5:51–4 (34 ref.)

PATHOLOGY

Relationship of growth factors and differentiation in normal and neoplastic development of the mammary gland. Fernig DG, et al. **Cancer Treat Res** 1991;53:47–78 (182 ref.)
The role of epidermal growth factor in normal and neoplastic growth of mouse mammary epithelial cells. Oka T, et al. **Cancer Treat Res** 1988;40:343–62 (56 ref.)
The role of ras gene expression and transforming growth factor alpha production in the etiology and progression of rodent and human breast cancer. Salomon DS, et al. **Cancer Treat Res** 1991;53:107–57 (278 ref.)

PHYSIOPATHOLOGY

Steroid hormone regulation of cultured breast cancer cells. Darbre PD, et al. **Cancer Treat Res** 1988;40:307–41 (119 ref.)
Stromal–epithelial interactions in normal and neoplastic mammary gland. Haslam SZ. **Cancer Treat Res** 1991; 53:401–20 (81 ref.)
Tenascin in mammary gland development: from embryogenesis to carcinogenesis. Sakakura T, et al. **Cancer Treat Res** 1991;53:383–400 (53 ref.)

PREVENTION & CONTROL

Chemoprevention and chemotherapy of mammary tumors by monoterpenoids. Gould MN, et al. **Prog Clin Biol Res** 1990;347:255–68 (12 ref.)
Modulation of breast cancer growth in nude mice by omega 3 lipids. Fernandes G, et al. **World Rev Nutr Diet** 1991; 66:488–503 (70 ref.)

MAMMOGRAPHY

Nonpalpable, probably benign breast lesions: follow-up strategies after initial detection on mammography. Adler DD, et al. **AJR Am J Roentgenol** 1990 Dec;155(6):1195–201 (44 ref.)
Mammography and early breast cancer detection. Bassett LW, et al. **Am Fam Physician** 1991 Feb;43(2):547–57 (34 ref.)
Is routine mammography screening appropriate for women 40–49 years of age? Miller AB. **Am J Prev Med** 1991 Jan–Feb;7(1):55–62 (43 ref.)
The radiology of periductal mastitis. Gravelle IH. **Br J Clin Pract Symp Suppl** 1989 Nov;68:73–5; discussion 87–9 (3 ref.)
The characteristics of microcalcifications. Guyer PB, et al. **Br J Clin Pract Symp Suppl** 1989 Nov;68:121–4; discussion 133–6 (12 ref.)
Early detection of breast cancer: mammography. D'Orsi CJ. **Breast Cancer Res Treat** 1991 May;18 Suppl 1:S107–9 (16 ref.)
Screening mammography. McLelland R. **Cancer** 1991 Feb 15;67(4 Suppl):1129–31 (18 ref.)
Follow-up as an alternative to biopsy for probably benign mammographically detected abnormalities. Brenner RJ. **Curr Opin Radiol** 1991 Aug;3(4):588–92 (30 ref.)
Mammography of the altered breast. Destouet JM. **Curr Opin Radiol** 1990 Oct;2(5):734–40 (19 ref.)
Mammography in younger women. Grumbach Y, et al. **Curr Opin Radiol** 1991 Aug;3(4):602–10 (16 ref.)
Mammographically guided fine-needle aspiration cytology of nonpalpable breast lesions. Jackson VP. **Curr Opin Radiol** 1990 Oct;2(5):741–5 (11 ref.)
Mammographic image receptors and image processing. Kimme-Smith C. **Curr Opin Radiol** 1990 Oct;2(5):719–25 (13 ref.)
Implementation of breast cancer screening. Pisano ED, et al. **Curr Opin Radiol** 1991 Aug;3(4):579–87 (30 ref.)
Strategies for more effective delivery of mammography screening services. Pisano ED, et al. **Curr Opin Radiol** 1990 Oct;2(5):726–33 (28 ref.)
New insights into mammographic correlations in breast pathology. Troupin RH, et al. **Curr Opin Radiol** 1991 Aug; 3(4):593–601 (37 ref.)
Reduced breast-cancer mortality with mammography screening—an assessment of currently available data. Rutqvist LE, et al. **Int J Cancer Suppl** 1990;5:76–84 (28 ref.)
The UK breast cancer screening programme: an expensive mistake. Rodgers A. **J Public Health Med** 1990; 12(3–4):197–204 (58 ref.)
Use of mammography in screening for breast cancer. Sierra AE, et al. **Obstet Gynecol Clin North Am** 1990 Dec; 17(4):927–38 (32 ref.)
Should breast self-examination be included in a mammographic screening program? Feig SA. **Recent Results Cancer Res** 1990;119:151–64 (31 ref.)
[Diagnostic value of calcifications in mammography] Tetti C, et al. **Rev Fr Gynecol Obstet** 1990 Jul–Sep;85(7–9):461–6 (12 ref.) (Eng. Abstr.) **(Fre)**

ECONOMICS

Low-cost mass screening as a means of reducing overall mortality from breast cancer. McLelland R. **Recent Results Cancer Res** 1990;119:53–9 (34 ref.)

INSTRUMENTATION

Mammographic equipment, technique, and quality control. Friedrich MA. **Curr Opin Radiol** 1991 Aug;3(4):571–8 (22 ref.)

METHODS

One versus two views per breast for screening mammography. Sickles EA. **Recent Results Cancer Res** 1990;119:81–7 (33 ref.)
Mammographic features of malignancy found during screening. Sickles EA. **Recent Results Cancer Res** 1990; 119:88–93 (20 ref.)
Breast imaging for the 1990s. Bassett LW, et al. **Semin Oncol** 1991 Apr;18(2):80–6 (20 ref.)
The role of mammographic parenchymal patterns in screening for carcinoma of the breast. Kalisher L, et al. **Surg Gynecol Obstet** 1991 Jan;172(1):81–8 (40 ref.)
[Radiological monitoring of breast cancer following conservative treatment] Tristant H. **J Belge Radiol** 1990 Oct;73(5):405–10 (18 ref.) **(Fre)**
[Indications mammography—preventive mammography] Hasert V. **Z Arztl Fortbild (Jena)** 1991 Apr 10; 85(7):293–300 (15 ref.) **(Ger)**

STANDARDS

Mammography and malpractice. Potchen EJ, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):475–80 (34 ref.)
Norwegian consensus conference on mammography. Consensus statement. **Int J Technol Assess Health Care** 1991;7(1):84–90 (0 ref.)
Radiological guidelines for the detection of early breast cancer: a review. Van den Bosch H, et al. **J Belge Radiol** 1990 Oct;73(5):339–56 (84 ref.)
Roentgenographic evaluation of the augmented breast. Douglas KP, et al. **South Med J** 1991 Jan;84(1):49–54 (28 ref.)

UTILIZATION

Breast cancer screening. **Stat Bull Metrop Insur Co** 1991 Jan–Mar;72(1):12–6 (16 ref.)

MAMMOGRAPHY, ULTRASONIC see **ULTRASONOGRAPHY, MAMMARY**

MAMMOTROPIC HORMONE, PITUITARY see **PROLACTIN**

MAMMOTROPIN see **PROLACTIN**

MANAGED CARE PROGRAMS

ECONOMICS

Managed care and a changing pharmaceutical industry. Pollard MR. **Health Aff (Millwood)** 1990 Fall;9(3):55–65 (16 ref.)

LEGISLATION & JURISPRUDENCE

Case management for the mentally ill: looking at the evidence. Holloway F. **Int J Soc Psychiatry** 1991 Spring; 37(1):2–13 (66 ref.)

TRENDS

A decade of case management: a methodological review of outcome research. Chamberlain R, et al. **Community Ment Health J** 1991 Jun;27(3):171–88 (45 ref.)

MANAGEMENT AUDIT

Measuring technical efficiency in health care organizations. Rosko MD. **J Med Syst** 1990 Oct;14(5):307–22 (24 ref.)

MANDELONITRILE BETA GENTIOBIOSIDE see **AMYGDALIN**

MANDIBLE

see related
CHIN

ABNORMALITIES

Williams (Elfin Facies) syndrome: review of the literature and report of a rare case. Boraz RA. **ASDC J Dent Child** 1991 Jan–Feb;58(1):57–9 (16 ref.)
Occlusion for the Class II jaw relations patient. Jensen WO. **J Prosthet Dent** 1990 Oct;64(4):432–4 (6 ref.)

EMBRYOLOGY

A model for development and evolution of complex morphological structures. Atchley WR, et al. **Biol Rev Camb Philos Soc** 1991 May;66(2):101–57 (172 ref.)

GROWTH & DEVELOPMENT

Methods used to evaluate growth modification in Class II malocclusion. Tulloch JF, et al. **Am J Orthod Dentofacial Orthop** 1990 Oct;98(4):340–7 (11 ref.)
Is it possible to modulate the growth of the human mandible with a functional appliance? Petrovic A, et al. **Int J Orthod** 1991 Spring-Summer;29(1–2):3–8 (23 ref.)
Upper airway obstruction and craniofacial morphology. Principato JJ. **Otolaryngol Head Neck Surg** 1991 Jun; 104(6):881–90 (58 ref.)
Facial growth rotation—reflections on definition and cause. Björk A. **Proc Finn Dent Soc** 1991;87(1):51–8 (23 ref.)

PATHOLOGY

Vertical changes in high mandibular plane cases following enucleation of second premolars. Garlington M, et al. **Angle Orthod** 1990 Winter;60(4):263–7; discussion 267–8 (13 ref.)
Mandibular atrophy and metabolic bone loss. Bras J. **Int Dent J** 1990 Oct;40(5):298–302 (26 ref.)
Reconstructive preprosthetic surgery. I. Anatomical considerations. Cawood JI, et al. **Int J Oral Maxillofac Surg** 1991 Apr;20(2):75–82 (10 ref.)
Bilateral coronoid hyperplasia. Report of two cases and review of the literature. Totsuka Y, et al. **J Craniomaxillofac Surg** 1991 May;19(4):172–7 (38 ref.)
Implant treatment of the severely atrophic mandible. Wagner JR. **N Y State Dent J** 1991 Jun–Jul;57(6):44–7 (15 ref.)

PHYSIOLOGY

Elements of a general theory of joints. 4. Coupled joints as simple gear systems. Kubein-Meesenburg D, et al. **Anat Anz** 1991;172(5):309–21 (20 ref.)

PHYSIOPATHOLOGY

The range of functional mandibular movement in bruxists. 1. Introduction and review of the literature. Faulkner KD. **Aust Dent J** 1990 Dec;35(6):536–44 (83 ref.)

SURGERY

Immediate mandibular replacement using reconstruction plates. Shockley WW, et al. **Arch Otolaryngol Head Neck Surg** 1991 Jul;117(7):745–9; discussion 750 (15 ref.)
Composite free flaps in oromandibular reconstruction. Review of the literature. Urken ML. **Arch Otolaryngol Head Neck Surg** 1991 Jul;117(7):724–32 (99 ref.)
Alloplastic augmentation of the anterior mandible. Flowers RS. **Clin Plast Surg** 1991 Jan;18(1):107–38 (27 ref.)
Mandibular angle augmentation and reduction. Ousterhout DK. **Clin Plast Surg** 1991 Jan;18(1):153–61 (12 ref.)
Total lower face bony rejuvenation. Quinn PD. **Clin Plast Surg** 1991 Jan;18(1):171–81 (20 ref.)
Mandibular vestibuloplasty. Experimental and clinical studies. Hillerup S. **Dan Med Bull** 1991 Apr;38(2):97–113 (171 ref.)
Bone contouring and fixation in functional, primary microvascular mandibular reconstruction. Buchbinder D, et al. **Head Neck** 1991 May–Jun;13(3):191–9 (21 ref.)
Experience with AO reconstruction plates after partial mandibular resection involving its continuity. Freitag V, et al. **J Craniomaxillofac Surg** 1991 Jul;19(5):191–8 (42 ref.)
Current advances in reconstruction of the mandible in head and neck cancer surgery. Marx RE. **Semin Surg Oncol** 1991 Jan–Feb;7(1):47–57 (23 ref.)
Mandibulotomy and mandibulectomy in difficult tumors of the base of the tongue and oropharynx. Shaha AR. **Semin Surg Oncol** 1991 Jan–Feb;7(1):25–30 (9 ref.)

MANDIBULAR CONDYLE

see related
TEMPOROMANDIBULAR JOINT

Condylar haemangioma—a case report and review of the literature. Whear NM. **Br J Oral Maxillofac Surg** 1991 Feb; 29(1):44–7 (24 ref.)
[Changes in the posterior vertical dimension of the face. Etiopathogenic factors, architectural criteria and therapeutic aspects] Mercier J, et al. **Orthod Fr** 1989;60 Pt 2:575–82 (4 ref.) (Eng. Abstr.) **(Fre)**

ABNORMALITIES

The problem of the bifid mandibular condyle. Szentpétery A, et al. **J Oral Maxillofac Surg** 1990 Dec;48(12):1254–7 (17 ref.)

GROWTH & DEVELOPMENT

On the importance of cAMP and Ca++ in mandibular condylar growth and adaptation. Kantomaa T, et al. **Am J Orthod Dentofacial Orthop** 1991 May;99(5):418–26 (93 ref.)

INJURIES

Condylar neck fractures of the mandible. Klotch DW, et al. **Otolaryngol Clin North Am** 1991 Feb;24(1):181–94 (25 ref.)
[Condylar fractures and involvement of the trigeminal nerve] Goga D, et al. **Rev Stomatol Chir Maxillofac** 1990; 91(6):447–51 (13 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

The treatment of temporomandibular joint internal derangements using a modified open condylotomy: a preliminary report. Upton LG, et al.

J Oral Maxillofac Surg 1991 Jun;49(6):578–83 discussion 583–4 (25 ref.)
The costochondral graft: a solution or a source of facial asymmetry in growing children. A case report. Peltomäki T, et al. **Proc Finn Dent Soc** 1991;87(1):167–76 (54 ref.)

MANDIBULAR DISEASES

Mucoepidermoid odontogenic cyst. Sadeghi EM, et al.
Int J Oral Maxillofac Surg 1991 Jun;20(3):142–3 (4 ref.)
Atypical multiple benign osteoblastomas accompanied by simple bone cysts. A case report. Asada Y, et al.
J Craniomaxillofac Surg 1991 May;19(4):166–71 (41 ref.)
Carcinoma arising in a dentigerous cyst: a case report and review of the literature. Maxymiw WG, et al.
J Oral Maxillofac Surg 1991 Jun;49(6):639–43 (52 ref.)

COMPLICATIONS

Osteomyelitis of the mandible in a patient with dysosteosclerosis. Report of a case. Packota GV, et al.
Oral Surg Oral Med Oral Pathol 1991 Feb;71(2):144–7 (10 ref.)
Cytomegalovirus-induced osteomyelitis in a patient with the acquired immunodeficiency syndrome. Berman S, et al.
South Med J 1990 Oct;83(10):1231–2 (11 ref.)

DRUG THERAPY

Is systemic treatment of osteoporosis and mandibular resorption possible? Driessens FC, et al.
Acta Stomatol Belg 1990 Jun;87(2):107–24 (104 ref.)

ETIOLOGY

Management of delayed union and nonunion of maxillary osteotomies. Van Sickels JE, et al.
J Oral Maxillofac Surg 1990 Oct;48(10):1039–44 (10 ref.)
Osteomyelitis of the mandible as a result of sickle cell disease. Report and literature review. Shroyer JV 3d, et al.
Oral Surg Oral Med Oral Pathol 1991 Jul;72(1):25–8 (11 ref.)
[Osteomyelitis of the jaw and osteopetrosis] Khochtali H, et al. **Rev Stomatol Chir Maxillofac** 1991;92(4):273–6 (12 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Anterior lingual mandibular salivary gland defect. Evaluation of twenty-four cases. Buchner A, et al.
Oral Surg Oral Med Oral Pathol 1991 Feb;71(2):131–6 (34 ref.)
Massive osteolysis of the maxillofacial bones. Report of two cases. Ohya T, et al. **Oral Surg Oral Med Oral Pathol** 1990 Dec;70(6):698–703 (23 ref.)
Glandular odontogenic cyst: clinicopathologic analysis of three cases. Patron M, et al.
Oral Surg Oral Med Oral Pathol 1991 Jul;72(1):71–4 (4 ref.)

PHYSIOPATHOLOGY

Hyperostosis and fixed partial denture pontics: report of 16 patients and review of literature. Morton TH Jr, et al.
J Prosthet Dent 1990 Nov;64(5):539–47 (15 ref.)

RADIOGRAPHY

The mandibular infected buccal cyst (paradental cyst). A radiographic and histological study. Wolf J, et al.
Br J Oral Maxillofac Surg 1990 Oct;28(5):322–5 (12 ref.)
[Essential bone cavity] Legrand W, et al.
Acta Stomatol Belg 1990 Jun;87(2):125–31 (33 ref.) **(Fre)**

SURGERY

Total lower face bony rejuvenation. Quinn PD.
Clin Plast Surg 1991 Jan;18(1):171–81 (20 ref.)
Recurrence of an odontogenic keratocyst in a bone graft. Report of a case. DeGould MD, et al.
Int J Oral Maxillofac Surg 1991 Feb;20(1):9–11 (18 ref.)
Reconstruction of the severely resorbed mandible. Davis WH, et al. **J Prosthet Dent** 1990 Nov;64(5):583–8 (17 ref.)

MANDIBULAR FRACTURES

COMPLICATIONS

[Condylar fractures and involvement of the trigeminal nerve] Goga D, et al. **Rev Stomatol Chir Maxillofac** 1990; 91(6):447–51 (13 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Facial fractures and bone healing in the geriatric patient. Friedman CD, et al. **Otolaryngol Clin North Am** 1990 Dec; 23(6):1109–19 (33 ref.)

SURGERY

Compression plate osteosynthesis for the treatment of mandibular fractures. Waldrep DJ, et al.
J S C Med Assoc 1990 Sep;86(9):497–500 (10 ref.)
Facial fractures and bone healing in the geriatric patient. Friedman CD, et al. **Otolaryngol Clin North Am** 1990 Dec; 23(6):1109–19 (33 ref.)
Condylar neck fractures of the mandible. Klotch DW, et al. **Otolaryngol Clin North Am** 1991 Feb;24(1):181–94 (25 ref.)

THERAPY

Management of associated dental injuries in maxillofacial trauma. Dierks EJ. **Otolaryngol Clin North Am** 1991 Feb; 24(1):165–79 (18 ref.)

MANDIBULAR NEOPLASMS

Squamous odontogenic tumor. Review of the literature and case report. Schwartz-Arad D, et al.
Int J Oral Maxillofac Surg 1990 Dec;19(6):327–30 (29 ref.)
Atypical multiple benign osteoblastomas accompanied by simple bone cysts. A case report. Asada Y, et al.
J Craniomaxillofac Surg 1991 May;19(4):166–71 (41 ref.)
Carcinoma arising in a dentigerous cyst: a case report and review of the literature. Maxymiw WG, et al.
J Oral Maxillofac Surg 1991 Jun;49(6):639–43 (52 ref.)
Adenomatoid odontogenic tumor: biologic profile based on 499 cases. Philipsen HP, et al. **J Oral Pathol Med** 1991 Apr;20(4):149–58 (59 ref.)
[Carcinoma cuniculatum. Apropos of 4 cases with orofacial involvement] Kahn JL, et al.
Rev Stomatol Chir Maxillofac 1991;92(1):27–33 (31 ref.) (Eng. Abstr.) **(Fre)**
[Odontogenic myxoma of the ascending mandibular ramus. Bibliographic review and report of a clinical case] Sánchez-Torres J, et al. **Gac Med Mex** 1990 Sep-Oct; 126(5):405–11 (12 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Primary intraosseous carcinoma of the jaws. Three new cases and a review of the literature. To EH, et al.
Br J Oral Maxillofac Surg 1991 Feb;29(1):19–25 (25 ref.)
[Neurofibroma of the mandible. A review of the literature and a clinical case report] Bocca M, et al.
Minerva Stomatol 1990 Aug;39(8):675–7 (16 ref.) (Eng. Abstr.) **(Ita)**

EPIDEMIOLOGY

Adenomatoid odontogenic tumour (adenoameloblastoma)—a review. Awange DO. **East Afr Med J** 1991 Mar; 68(3):155–63 (23 ref.)
[Mixed odontogenic tumors. Studies on the significance of correlations between ameloblastic fibroma, ameloblastic fibro-odontoma and odontoma] Fabris GA, et al.
Minerva Stomatol 1991 Mar;40(3):167–73 (12 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

The calcifying epithelial odontogenic tumor. A review of recent literature and report of a case. Pindborg JJ, et al.
APMIS Suppl 1991;23:152–7 (22 ref.)
Condylar haemangioma—a case report and review of the literature. Whear NM. **Br J Oral Maxillofac Surg** 1991 Feb; 29(1):44–7 (24 ref.)
Central odontogenic fibroma: clinicopathologic features of 19 cases and review of the literature. Handlers JP, et al.
J Oral Maxillofac Surg 1991 Jan;49(1):46–54 (14 ref.)
Peripheral ameloblastoma with clear cell differentiation. Ng KH, et al. **Oral Surg Oral Med Oral Pathol** 1990 Aug; 70(2):210–3 (24 ref.)
Plexiform granular cell odontogenic tumor: unicystic variant. Siar CH, et al. **Oral Surg Oral Med Oral Pathol** 1991 Jul; 72(1):82–5 (10 ref.)
[The histopathological aspects of the calcifying odontogenic cyst] Piattelli A, et al. **Minerva Stomatol** 1990 Nov; 39(11):959–64 (27 ref.) (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Benign cementoblastoma: review of the literature and report of a case at an unusual location. Piattelli A, et al.
Acta Stomatol Belg 1990 Sep;87(3):209–15 (31 ref.)
Central adenoid cystic carcinoma of the mandible. Brookstone MS, et al. **J Oral Maxillofac Surg** 1990 Dec; 48(12):1329–33 (29 ref.)
[Intramandibular inclusions of salivary gland tissue] Samson J, et al. **Minerva Stomatol** 1990 Jul;39(7):573–85 (111 ref.) (Eng. Abstr.) **(Ita)**

RADIOTHERAPY

Ameloblastoma of the jaw. Treatment with radiation therapy and a case report. Miyamoto CT, et al.
Am J Clin Oncol 1991 Jun;14(3):225–30 (54 ref.)

SECONDARY

Ameloblastic carcinoma of the maxilla metastatic to the mandible. Case report. Lee L, et al.
J Craniomaxillofac Surg 1990 Aug;18(6):247–50 (14 ref.)
Metastatic malignant cystosarcoma phyllodes. Report of a case presenting with an oral tumour and review of the literature. Yoshimura Y, et al. **J Craniomaxillofac Surg** 1991 Jul;19(5):227–31 (13 ref.)

SURGERY

Immediate mandibular replacement using reconstruction plates. Shockley WW, et al.
Arch Otolaryngol Head Neck Surg 1991 Jul;117(7):745–9; discussion 750 (15 ref.)

MANDIBULAR NERVE

An evaluation of the closed mouth mandibular block technique. Donkor P, et al. **Int J Oral Maxillofac Surg** 1990 Aug;19(4):216–9 (15 ref.)

PATHOLOGY

Herpes zoster virus infection: a clinicopathologic review and case reports. Barrett AP. **Aust Dent J** 1990 Aug; 35(4):328–32 (26 ref.)
Neurilemmoma of the mental nerve. Artzi Z, et al.
J Oral Maxillofac Surg 1991 Feb;49(2):196–200 (41 ref.)

MANDIBULAR PROSTHESIS

Experience with AO reconstruction plates after partial mandibular resection involving its continuity. Freitag V, et al. **J Craniomaxillofac Surg** 1991 Jul;19(5):191–8 (42 ref.)

MANDIBULAR REST POSITION see **VERTICAL DIMENSION**

MANDIBULOFACIAL DYSOSTOSIS

Nager's acrofacial dysostosis. Case report and review of the literature. Danziger I, et al.
Int J Pediatr Otorhinolaryngol 1990 Dec;20(3):225–40 (28 ref.)

MANDRAKE, AMERICAN see **PODOPHYLLUM**

MANDRAKE ROOT see **PODOPHYLLUM**

MANDRILL see **PAPIO**

MANGANESE

METABOLISM

Dissimilatory Fe(III) and Mn(IV) reduction. Lovley DR.
Microbiol Rev 1991 Jun;55(2):259–87 (342 ref.)
Excess phosphorus impairs manganese utilization in chicks.
Nutr Rev 1991 Apr;49(4):125–7 (7 ref.)
[Trace elements in the human body and their physiological significance and levels in proliferative diseases of the hematopoietic system] Deptala A. **Pol Tyg Lek** 1989 Oct 2–16;44(40–42):892–5 (33 ref.) **(Pol)**

TOXICITY

The glutathionyl radical formation in the reaction between manganese and glutathione and its neurotoxic implications. Shi XL, et al. **Med Hypotheses** 1990 Oct;33(2):83–7 (34 ref.)

URINE

Correlation of cadmium, copper, manganese, and zinc levels in the urine of people in nonpolluted areas. Watanabe T, et al. **J Toxicol Environ Health** 1991 Jul;33(3):263–72 (24 ref.)

MANGE, SARCOPTIC see **SCABIES**

MANIA see **MANIC DISORDER**

MANIC-DEPRESSIVE PSYCHOSIS see **BIPOLAR DISORDER**

MANIC DISORDER

CHEMICALLY INDUCED

Trazodone-induced transient hypomanic symptoms and their management. Jabeen S, et al. **Br J Psychiatry** 1991 Feb; 158:275–8 (10 ref.)

COMPLICATIONS

Coexistence of bulimia nervosa and mania: a literature review and case report. Shisslak CM, et al. **Compr Psychiatry** 1991 Mar-Apr;32(2):181–4 (40 ref.)

DIAGNOSIS

Prodromal symptoms in affective disorders. Fava GA, et al.
Am J Psychiatry 1991 Jul;148(7):823–30 (88 ref.)
Mental illness. Mind and body. **N C Med J** 1991 Jan; 52(1):27–30 (3 ref.)
[Manic disorder in the aged: a review of the literature] Fortin L. **Can J Psychiatry** 1990 Nov;35(8):679–83 (49 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Recent advances in treatment of acute mania. Chou JC.
J Clin Psychopharmacol 1991 Feb;11(1):3–21 (198 ref.)
[Carbamazepine in the treatment of mania and prevention of recurrence of manic-depressive disorders] Finzen A.
Psychiatr Prax 1991 Jan;18(1):1–8 (41 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Lycanthropy and demonomania: some psychopathological issues. Koehler K, et al. **Psychol Med** 1990 Aug;

20(3):629–33 (14 ref.)

THERAPY

[Use of electroconvulsive therapy in adolescence] Paillère-Martinot ML, et al. **Encephale** 1990 Sep–Oct; 16(5):399–404 (27 ref.) (Eng. Abstr.) **(Fre)**

MANIC STATE see MANIC DISORDER

MANIHOT see CASSAVA

MANIOC see CASSAVA

MANIPULATION, ORTHOPEDIC

[Manual therapy in the combined treatment of patients with vertebral vestibular dysfunction] Likhachev SA, et al. **Vrach Delo** 1991 Jun;(6):20–4 (34 ref.) **(Rus)**

METHODS

Anterior shoulder dislocation: a review of reduction techniques. Riebel GD, et al. **Am J Emerg Med** 1991 Mar; 9(2):180–8 (36 ref.)

[The role of manual therapy in treatment of headache] Badtke G. **Z Arztl Fortbild (Jena)** 1991 Jan 25;85(1–2):49–51 (10 ref.) **(Ger)**

MANIPULATION, PSYCHOLOGICAL see MACHIAVELLIANISM

MANNANS

CHEMISTRY

Candida mannan: chemistry, suppression of cell-mediated immunity, and possible mechanisms of action. Nelson RD, et al. **Clin Microbiol Rev** 1991 Jan;4(1):1–19 (200 ref.)

IMMUNOLOGY

Antigenic structure of Candida albicans. Immunochemical basis of the serologic specificity of the mannans in yeasts. Fukazawa Y. **Immunol Ser** 1989;47:37–62 (60 ref.)

MANNITOL

METABOLISM

Coupling of energy to D-mannitol transport in Escherichia coli. Jacobson GR. **Res Microbiol** 1990 Mar–Apr; 141(3):365–8 (12 ref.)

MANNOSIDOSIS

GENETICS

[Mannosidosis type II] Tranchant C, et al. **Rev Neurol (Paris)** 1991;147(5):364–7 (30 ref.) (Eng. Abstr.) **(Fre)**

MANOMETRY

Anal manometry. Felt-Bersma RJ, et al. **Int J Colorectal Dis** 1990 Aug;5(3):170–3 (70 ref.)

[Comparison of methods: gastro-duodenal manometry and study of gastric emptying] Stanghellini V, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):125–30 (31 ref.) (Eng. Abstr.) **(Ita)**

INSTRUMENTATION

[Manometric data collection] Cucchiara S, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):3–10 (13 ref.) (Eng. Abstr.) **(Ita)**

[Evaluation of 2 devices for long-term ambulatory recording of manometry and pH data] Passaretti S, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):57–60 (06 ref.) (Eng. Abstr.) **(Ita)**

METHODS

Ambulatory manometry. Janssens J, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):53–5 (20 ref.)

Rhinomanometry. Kern EB. **Otolaryngol Clin North Am** 1973 Oct;6(3):863–74 (17 ref.)

[Ambulatory manometry] Bortolotti M. **Minerva Chir** 1991 Apr 15;46(7 Suppl):47–52 (12 ref.) (Eng. Abstr.) **(Ita)**

[Manometric data collection] Cucchiara S, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):3–10 (13 ref.) (Eng. Abstr.) **(Ita)**

[Esophago-gastro-intestinal manometry: study methods and potential clinical applications] Pandolfo N, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):63–70 (26 ref.) (Eng. Abstr.) **(Ita)**

[Esophageal manometry: methods of investigation and interpretation of results] Zaninotto G, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):37–45 (20 ref.) (Eng. Abstr.) **(Ita)**

[Left ventricular pressure-diameter and stress-diameter relations in humans. Standardization and critical analysis of the method] Matsubara BB, et al. **Arq Bras Cardiol** 1990 Jun;54(6):373–81 (49 ref.) (Eng. Abstr.) **(Por)**

[Endoscopic choledochoduodenomanometry] Pugaev AV, et al. **Khirurgiia (Mosk)** 1990 Oct;(10):143–7 (68 ref.) **(Rus)**

MANUALS

Developing hospital identity manuals: a reference tool for illustrators. Schaffer JA, et al. **J Biocommun** 1990; 17(3):20–5 (21 ref.)

MAPLE SYRUP URINE DISEASE

DIAGNOSIS

[Jarabe de Arce disease: report of a case with early diagnosis and diet therapy] Cidras Pidre M, et al. **An Esp Pediatr** 1991 Jan;34(1):92–4 (13 ref.) **(Spa)**

MAPPINE see BUFOTENIN

MARASMUS see PROTEIN-CALORIE MALNUTRITION

MARBLE BONE DISEASE see OSTEOPETROSIS

MARBURG VIRUS DISEASE

ETIOLOGY

[Marburg hemorrhagic fever] Titenko AM. **Zh Mikrobiol Epidemiol Immunobiol** 1991 May;(5):67–71 (61 ref.) **(Rus)**

MARCHIAFAVA-MICHELI SYNDROME see HEMOGLOBINURIA, PAROXYSMAL

MAREK'S DISEASE

IMMUNOLOGY

Importance of cell-mediated immunity in Marek's disease and other viral tumor diseases. Schat KA. **Poult Sci** 1991 May;70(5):1165–75 (53 ref.)

PREVENTION & CONTROL

Production of Marek's disease vaccine. Ben-Nathan D, et al. **Adv Biotechnol Processes** 1990;14:347–65 (157 ref.)

MAREK'S DISEASE VIRUS

IMMUNOLOGY

Production of Marek's disease vaccine. Ben-Nathan D, et al. **Adv Biotechnol Processes** 1990;14:347–65 (157 ref.)

MARFAN SYNDROME

COMPLICATIONS

White forelock in Marfan's syndrome: an unusual association, with review of the literature. Herman KL, et al. **Cutis** 1991 Jul;48(1):82–4 (21 ref.)

Clinical management of the cardiovascular complications of the Marfan syndrome. Gerry JL Jr, et al. **J La State Med Soc** 1991 Mar;143(3):43–51 (26 ref.)

[Intracranial aneurysm and dysplasia of elastic tissue: pre- and postoperative problems] Jourdan C, et al. **Agressologie** 1990 Jun;31(6):405–8 (16 ref.) (Eng. Abstr.) **(Fre)**

MARIE-BAMBERGER DISEASE see OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC

MARIE-STRUEMPELL DISEASE see SPONDYLITIS, ANKYLOSING

MARIJUANA see CANNABIS

MARIJUANA ABUSE

COMPLICATIONS

[Marijuana and pregnancy: impact on the pregnant woman, the fetus and the newborn infant] Garcia A, et al. **Med Clin (Barc)** 1991 Jan 26;96(3):106–9 (38 ref.) **(Spa)**

EPIDEMIOLOGY

Prenatal marijuana use: epidemiology, methodologic issues, and infant outcome. Day NL, et al. **Clin Perinatol** 1991 Mar;18(1):77–91 (29 ref.)

GENETICS

Genetic effects of marijuana. Zimmerman S, et al. **Int J Addict** 1990–91;25(1A):19–33 (67 ref.)

MARINE BIOLOGY

Marine natural products. Faulkner DJ. **Nat Prod Rep** 1991 Apr;8(2):97–147 (447 ref.)

Pollutant toxicity to aquatic animals—methods of study and their applications. Abel PD. **Rev Environ Health** 1989 Jan–Dec;8(1–4):119–55 (213 ref.)

METHODS

Environmental health: flow cytometric methods to assess our water world. Yentsch CM. **Methods Cell Biol** 1990; 33:575–612 (112 ref.)

MARINE TOXINS

CHEMICAL SYNTHESIS

[Studies on total syntheses of cytotoxic cyclic peptides of marine origin] Hamada Y. **Yakugaku Zasshi** 1991 Jan; 111(1):1–18 (55 ref.) (Eng. Abstr.) **(Jpn)**

CHEMISTRY

Drug molecules of marine origin. Kaul PN. **Prog Drug Res** 1990;35:521–57 (557 ref.)

POISONING

Marine envenomations. Auerbach PS. **N Engl J Med** 1991 Aug 15;325(7):486–93 (26 ref.)

Venomous and poisonous marine animal injuries. Russell FE. **Vet Hum Toxicol** 1991 Aug;33(4):334–7 (19 ref.)

TOXICITY

Excitotoxicity: an overview. Olney JW. **Can Dis Wkly Rep** 1990 Sep;16 Suppl 1E:47–57; discussion 57–8 (101 ref.)

Toxins of freshwater cyanobacteria. Codd GA. **Microbiol Sci** 1984 May;1(2):48–52 (40 ref.)

MARINESCO-SJOGREN SYNDROME see SPINOCEREBELLAR DEGENERATION

MARITAL RELATIONSHIP see MARRIAGE

MARITAL STATUS see MARRIAGE

MARITAL THERAPY

METHODS

Marital interactions. O'Leary KD, et al. **Annu Rev Psychol** 1991;42:191–212 (133 ref.)

MARKER ANTIGENS see ANTIGENS, DIFFERENTIATION

MARKERS, BIOLOGICAL see BIOLOGICAL MARKERS

MARKERS, DNA see GENETIC MARKERS

MARKERS, GENETIC see GENETIC MARKERS

MARKERS, TUMOR see TUMOR MARKERS, BIOLOGICAL

MARKETING OF HEALTH SERVICES

Valuation of the benefits of risk-free blood. Willingness to pay for hemoglobin solutions. Eastaugh SR. **Int J Technol Assess Health Care** 1991;7(1):51–7 (17 ref.)

Developing hospital identity manuals: a reference tool for illustrators. Schaffer JA, et al. **J Biocommun** 1990; 17(3):20–5 (21 ref.)

Prosthodontics. Marketing. Review of the literature. Eggleston DW. **J Prosthet Dent** 1990 Sep;64(3):377–81 (14 ref.)

Towards a Swedish health policy for the 1990s: planned markets and public firms. von Otter C, et al. **Soc Sci Med** 1991;32(4):473–81 (46 ref.)

TRENDS

The costs of commercial medicine. Dougherty CJ. **Theor Med** 1990 Dec;11(4):275–86 (25 ref.)

MARMOSET, COMMON see CALLITHRIX

MARMOSET, SHORT-TUSKED see CALLITHRIX

MARMOTA

Experimental hepatitis delta virus infection in the animal model. Ponzetto A, et al. **Prog Clin Biol Res** 1991; 364:147–57 (28 ref.)

MARRIAGE

Marital interactions. O'Leary KD, et al. **Annu Rev Psychol** 1991;42:191–212 (133 ref.)

The impact of breast cancer on sexuality, body image, and intimate relationships. Schover LR. **CA** 1991 Mar–Apr; 41(2):112–20 (35 ref.)

The nature/nurture controversy: spouse-likeness revisited. Cheraskin E. **Med Hypotheses** 1990 Nov;33(3):219–25 (68 ref.)

Marital conflict and children's adjustment: a cognitive-contextual framework. Grych JH, et al. **Psychol Bull** 1990 Sep;108(2):267–90 (150 ref.)

An analysis of risk markers in husband to wife violence: the current state of knowledge. Hotaling GT, et al. **Violence Vict** 1986 Summer;1(2):101–24 (90 ref.)

PSYCHOLOGY

Traumatic brain injury and marital relationships: a literature

review. Liss M, et al. **Int J Rehabil Res** 1990;13(4):309–20 (52 ref.)

MARRIAGE THERAPY see **MARITAL THERAPY**

MARROW see **BONE MARROW**

MARSUPIALIA

Spontaneous proliferations in Australian marsupials—a survey and review. 1. Macropods, koalas, wombats, possums and gliders. Canfield PJ, et al. **J Comp Pathol** 1990 Aug;103(2):135–46 (30 ref.)

Spontaneous proliferations in Australian marsupials—a survey and review. 2. Dasyurids and bandicoots. Canfield PJ, et al. **J Comp Pathol** 1990 Aug;103(2):147–58 (17 ref.)

EMBRYOLOGY

The visual pathways of eutherian mammals and marsupials develop according to a common timetable. Robinson SR, et al. **Brain Behav Evol** 1990;36(4):177–95 (190 ref.)

PHYSIOLOGY

Control of pregnancy, parturition and luteolysis in marsupials. Hinds LA. **Reprod Fertil Dev** 1990;2(5):535–52 (82 ref.)

MARTIAL ARTS

PSYCHOLOGY

Psychological research on the martial arts: an addendum to Fuller's review. Columbus PJ, et al. **Br J Med Psychol** 1991 Jun;64 (Pt 2):127–35 (44 ref.)

Psychological research on the martial arts: an addendum to Fuller's review. Columbus PJ, et al. **Br J Med Psychol** 1991 Jun;65 (Pt 2):127–35 (46 ref.)

MASKS

The Laryngeal Mask—an overview. Leach AB, et al. **Eur J Anaesthesiol** 1991;Suppl 4:19–31 (59 ref.)

[Physical therapy and mask treatment of chronic bronchitis and chronic obstructive lung disease (COPD)] Christensen HR, et al. **Ugeskr Laeger** 1990 Oct 29;152(44):3237–40 (30 ref.) (Eng. Abstr.) **(Dan)**

MASOCHISM

DIAGNOSIS

The depressed masochistic patient: diagnostic and management considerations—a contemporary psychoanalytic perspective. Friedman RC. **J Am Acad Psychoanal** 1991 Spring;19(1):9–30 (33 ref.)

PSYCHOLOGY

Current conceptualizations on masochism: genesis and object relations. Glickauf-Hughes C, et al. **Am J Psychother** 1991 Jan;45(1):53–68 (42 ref.)

Sadism and masochism in character disorder and resistance. Panel report. **J Am Psychoanal Assoc** 1991;39(1):215–26 (9 ref.)

Battered women and the myth of masochism. Moss VA. **J Psychosoc Nurs Ment Health Serv** 1991 Jul;29(7):18–23 (17 ref.)

MASS FRAGMENTOGRAPHY

Stable isotope-labeled vitamin D, metabolites and chemical analogs: synthesis and use in mass spectrometric studies. Coldwell RD, et al. **Steroids** 1990 Oct;55(10):418–32 (51 ref.)

MASS MEDIA

Preventing drug use in adolescents through media interventions. Schilling RF, et al. **J Consult Clin Psychol** 1990 Aug;58(4):416–24 (63 ref.)

MASS SCREENING

Prostate cancer: to screen or not to screen. Chodak G. **Acta Oncol** 1991;30(2):285–7 (9 ref.)

Risk stratification in unstable angina: screening for silent myocardial ischemia. Gottlieb SO. **Adv Cardiol** 1990; 37:223–35 (39 ref.)

Screening of immigrant children for infectious diseases. Hayani KC, et al. **Adv Pediatr Infect Dis** 1991;6:91–110 (30 ref.)

Clinical implications of screening for cervical cancer under Medicare. The natural history of cervical cancer in the elderly: what do we know? What do we need to know? Mandelblatt J, et al. **Am J Obstet Gynecol** 1991 Feb; 164(2):644–51 (61 ref.)

Periodic health examination, 1991 update: 4. Screening for cystic fibrosis. Canadian Task Force on the Periodic Health Examination. **Can Med Assoc J** 1991 Sep 15;145(6):629–35 (44 ref.)

Screening for lung cancer. A critique of the Mayo Lung Project. Fontana RS, et al. **Cancer** 1991 Feb 15;67(4 Suppl):1155–64 (46 ref.)

Role of early diagnosis and screening; biomarkers. Miller AB. **Cancer Detect Prev** 1991;15(1):21–6 (20 ref.)

Breast cancer screening. Smart CR. **Curr Opin Oncol** 1989 Dec;1(2):288–94 (29 ref.)

Implementation of breast cancer screening. Pisano ED, et al. **Curr Opin Radiol** 1991 Aug;3(4):579–87 (30 ref.)

Coronary risk factors: value of screening and preventive strategies in general practice. Bhatnagar D, et al. **Fam Pract** 1990 Dec;7(4):295–300 (40 ref.)

Screening for colorectal cancer in ulcerative colitis: dubious benefits and high costs [see comments] Gyde S. **Gut** 1990 Oct;31(10):1089–92 (21 ref.) Comment in: Gut 1991 Jun;32(6):721–3.

Case-control studies of screening. Moss SM. **Int J Epidemiol** 1991 Mar;20(1):1–6 (31 ref.)

Screening for presymptomatic disease. Flynn FV. **J Clin Pathol** 1991 Jul;44(7):529–38 (80 ref.)

Screening for hearing impairment in the elderly: rationale and strategy. Mulrow CD, et al. **J Gen Intern Med** 1991 May-Jun;6(3):249–58 (126 ref.)

Quantitative fluorescence image analysis in bladder cancer screening. Hemstreet GP 3d, et al. **J Occup Med** 1990 Sep; 32(9):822–8 (37 ref.)

Breast cancer: the decision to screen. Forrest AP. **J Public Health Med** 1991 Feb;13(1):2–12 (97 ref.)

Screening for prostatic carcinoma. Hinman F Jr. **J Urol** 1991 Jan;145(1):126–9; discussion 129–30 (43 ref.)

Do children benefit from mass screening for neuroblastoma? Consensus Statement from the American Cancer Society Workshop on Neuroblastoma Screening. Murphy SB, et al. **Lancet** 1991 Feb 9;337(8737):344–6 (11 ref.)

Part I: Basic approach to health screening. Swee DE, et al. **N J Med** 1991 Jun;88(6):421–6 (40 ref.)

Mass screening for neuroblastoma in Japan. Sawada T, et al. **Pediatr Hematol Oncol** 1991 Apr-Jun;8(2):93–109 (49 ref.)

Follow-up studies of the health insurance plan study and the breast cancer detection demonstration project screening trials in the USA. Feig SA. **Recent Results Cancer Res** 1990;119:39–52 (28 ref.)

Hyperlipoproteinemias: Part II. Screening and patient classification. Vogt HB. **S D J Med** 1991 Mar;44(3):69–71 (24 ref.)

Screening strategies in gastrointestinal cancer. Riddell RH. **Scand J Gastroenterol Suppl** 1990;175:177–84 (28 ref.)

Control of intestinal nematode infections by chemotherapy: mass treatment versus diagnostic screening. Bundy DA. **Trans R Soc Trop Med Hyg** 1990 Sep-Oct;84(5):622–5 (28 ref.)

[Mass screening for breast cancer in women younger than 50 years; a literature review of the anticipated effect on mortality] Peer PG, et al. **Ned Tijdschr Geneeskd** 1991 Apr 13;135(15):651–5 (45 ref.) **(Dut)**

[What benefit and harm can be expected from screening and routine examinations and from their omission?] Kuss E, et al. **Geburtshilfe Frauenheilkd** 1991 Jun;51(6):415–30 (90 ref.) (Eng. Abstr.) **(Ger)**

[Colorectal cancer—diagnosis, early detection and staging] Burlefinger R, et al. **Internist (Berl)** 1991 Jun;32(6):321–9 (59 ref.) **(Ger)**

[Indications mammography—preventive mammography] Hasert V. **Z Arztl Fortbild (Jena)** 1991 Apr 10; 85(7):293–300 (15 ref.) **(Ger)**

[Screening for toxoplasmosis and rubella in prenatal care?] Hengst P. **Zentralbl Gynakol** 1990;112(15):941–4 (7 ref.) **(Ger)**

[Cytological screening of precancer and cancer of the cervix uteri] Novik VI. **Vopr Onkol** 1990;36(12):1411–8 (59 ref.) **(Rus)**

CONTRAINDICATIONS

The case against childhood cholesterol screening [see comments] Newman TB, et al. **JAMA** 1990 Dec 19; 264(23):3039–43 (49 ref.) Comment in: JAMA 1990 Dec 19;264(23):3060–1.

ECONOMICS

The economic implications of radiologic screening for colonic cancer. Gelfand DW, et al. **AJR Am J Roentgenol** 1991 May;156(5):939–43 (51 ref.)

The UK breast cancer screening programme: an expensive mistake. Rodgers A. **J Public Health Med** 1990; 12(3–4):197–204 (58 ref.)

Assessment of cervical cancer screening and follow-up programs. Celentano DD, et al. **Public Health Rev** 1989–90; 17(2–3):173–240 (115 ref.)

Low-cost mass screening as a means of reducing overall mortality from breast cancer. McLelland R. **Recent Results Cancer Res** 1990;119:53–9 (34 ref.)

INSTRUMENTATION

Screening mammography. McLelland R. **Cancer** 1991 Feb 15;67(4 Suppl):1129–31 (18 ref.)

LEGISLATION & JURISPRUDENCE

[Possibilities and limits of the epidemic regulation in relation to the control of AIDS] Schenke WR. **Internist (Berl)** 1990 Sep;31(9):582–6 (15 ref.) **(Ger)**

METHODS

Effectiveness and efficacy of early detection of hearing impairment in children. Ruben RJ. **Acta Otolaryngol Suppl (Stockh)** 1991;482:127–31; discussion 132–5 (16 ref.)

Silent myocardial ischemia in asymptomatic patients: should we screen? Should we treat? Cohn PF. **Adv Cardiol** 1990; 37:304–11 (20 ref.)

Recent progress in neonatal mass screening for congenital hypothyroidism and adrenal hyperplasia using enzyme immunoassays. Tsuji A, et al. **Adv Clin Chem** 1990; 28:109–43 (63 ref.)

Screening for prostate cancer. The U.S. Preventive Services Task Force. **Am Fam Physician** 1990 Oct;42(4):991–4 (33 ref.)

Hearing screening in children—state of the art(s). Haggard MP. **Arch Dis Child** 1990 Nov;65(11):1193–5 (16 ref.)

Large bowel cancer. Clinical approaches to improving survival. Cowen AE. **Aust Fam Physician** 1990 Nov; 19(11):1671–5, 1677, 1681 (41 ref.)

The management of early skin cancer in the 90s. Kelly JW. **Aust Fam Physician** 1990 Nov;19(11):1714–25, 1729 (22 ref.)

Screening for viral and protozoal infections in pregnancy. A review. Klapper PE, et al. **Br J Obstet Gynaecol** 1990 Nov;97(11):974–83 (84 ref.)

Periodic health examination, 1991 update: 1. Screening for cognitive impairment in the elderly. Canadian Task Force on the Periodic Health Examination [see comments] **Can Med Assoc J** 1991 Feb 15;144(4):425–31 (103 ref.) Comment in: Can Med Assoc J 1991 Jun 15;144(12):1605–6.

Epidemiology, antenatal screening, nutrition, and therapeutics in pregnancy. Witter FR. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):36–9 (19 ref.)

Screening for gastrointestinal cancer: an epidemiological review. Weil J, et al. **Gut** 1991 Feb;32(2):220–4 (41 ref.)

Oncogene proteins as biomarkers in the molecular epidemiology of occupational carcinogenesis. The example of the ras oncogene-encoded p21 protein. Brandt-Rauf PW. **Int Arch Occup Environ Health** 1991;63(1):1–8 (43 ref.)

Reduced breast-cancer mortality with mammography screening—an assessment of currently available data. Rutqvist LE, et al. **Int J Cancer Suppl** 1990;5:76–84 (28 ref.)

Oral cancer screening in the elderly. Fedele DJ, et al. **J Am Geriatr Soc** 1991 Sep;39(9):920–5 (34 ref.)

Screening for psychiatric and substance abuse disorders in clinical practice. Ford DE, et al. **J Gen Intern Med** 1990 Sep-Oct;5(5 Suppl):S37–41 (30 ref.)

Hematuria screening for bladder cancer. Messing EM, et al. **J Occup Med** 1990 Sep;32(9):838–45 (46 ref.)

The use of bone mass screening to prevent fractures. Flicker L. **Med J Aust** 1991 Jan 21;154(2):135–40 (57 ref.)

Current management of primary breast cancer. Part I: Screening, diagnosis, staging and local treatment of stage I and II disease. Lopez MJ, et al. **Mo Med** 1990 Sep; 87(9):684–90 (14 ref.)

Screening for gynecologic cancer. Campion MJ, et al. **Obstet Gynecol Clin North Am** 1990 Dec;17(4):695–727 (68 ref.)

Human immunodeficiency virus education and screening of prenatal patients. Tuomala R. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):571–83 (50 ref.)

Screening for lung cancer: effective tests awaiting effective treatment. Marfin AA, et al. **Occup Med** 1991 Jan-Mar; 6(1):111–31 (62 ref.)

Auditory screening of infants. Morgan DE, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):277–84 (39 ref.)

Screening for breast cancer: opportunities, status and challenges. McLelland R. **Recent Results Cancer Res** 1990; 119:29–38 (68 ref.)

One versus two views per breast for screening mammography. Sickles EA. **Recent Results Cancer Res** 1990;119:81–7 (33 ref.)

Mammographic features of malignancy found during screening. Sickles EA. **Recent Results Cancer Res** 1990; 119:88–93 (20 ref.)

Analysing clinical decision analyses. Habbema JD, et al. **Stat Med** 1990 Nov;9(11):1229–42 (24 ref.)

ORGANIZATION & ADMINISTRATION

Testing for AIDS: uses and abuses. Field MA. **Am J Law Med** 1990;16(1–2):33–106 (383 ref.)

Norwegian consensus conference on mammography. Consensus statement. **Int J Technol Assess Health Care** 1991;7(1):84–90 (0 ref.)

Principles behind practice. 8. Screening as a strategy for disease control. Mitchell H, et al. **Med J Aust** 1991 Aug 19;155(4):237–9, 242 (11 ref.)

Should breast self-examination be included in a mammographic screening program? Feig SA. **Recent Results Cancer Res** 1990;119:151–64 (31 ref.)

[Screening for breast cancer in Poland] Buraczewski J, et al. **Pol Tyg Lek** 1990 Aug 6–13;45(32–33):674–6 (21 ref.) **(Pol)**

[National program for cholesterol prevention in Poland. Population strategy] Szostak WB, et al. **Wiad Lek** 1990 Aug 1–15;43(15–16):788–95 (19 ref.) **(Pol)**

PSYCHOLOGY

Cancer risk notification: psychosocial and ethical

implications. Lerman C, et al. **J Clin Oncol** 1991 Jul; 9(7):1275–82 (82 ref.)

STANDARDS

Should surgical patients be screened for human immunodeficiency virus infection? Shanson DC. **J Hosp Infect** 1991 Jun;18 Suppl A:170–6 (9 ref.)

Signal detectability: the use of ROC curves and their analyses. Centor RM. **Med Decis Making** 1991 Apr–Jun; 11(2):102–6 (32 ref.)

The role of mammographic parenchymal patterns in screening for carcinoma of the breast. Kalisher L, et al. **Surg Gynecol Obstet** 1991 Jan;172(1):81–8 (40 ref.)

UTILIZATION

Breast cancer screening. **Stat Bull Metrop Insur Co** 1991 Jan–Mar;72(1):12–6 (16 ref.)

MASS SPECTROMETRY see **SPECTRUM ANALYSIS, MASS**

MASS SPECTROMETRY, FAST ATOM BOMBARDMENT see **SPECTROMETRY, MASS, FAST ATOM BOMBARDMENT**

MASS SPECTROSCOPY see **SPECTRUM ANALYSIS, MASS**

MASS SPECTROSCOPY, FAST ATOM BOMBARDMENT see **SPECTROMETRY, MASS, FAST ATOM BOMBARDMENT**

MAST-CELL COLONY-STIMULATING FACTOR see **INTERLEUKIN-3**

MAST CELL DISEASE see **MASTOCYTOSIS**

MAST CELL GROWTH FACTOR-2 see **INTERLEUKIN-4**

MAST CELLS

The mast cell: a comprehensive, updated review. Bernstein JA, et al. **Allergy Proc** 1990 Sep–Oct;11(5):209–23 (125 ref.)

Interrelation of peptidergic innervation with mast cells and ED1-positive cells in rat thymus. Müller S, et al. **Brain Behav Immun** 1991 Mar;5(1):55–72 (97 ref.)

CYTOLOGY

[Tissue basophils of the gastrointestinal tract and their role in physiological and pathological processes] Tsibulevskiĭ AIu, et al. **Arkh Anat Gistol Embriol** 1991 Feb; 100(2):92–100 (92 ref.) **(Rus)**

DRUG EFFECTS

Cytokine-induced human basophil/mast cell growth and differentiation in vitro. Denburg JA. **Springer Semin Immunopathol** 1990;12(4):401–14 (81 ref.)

ENZYMOLOGY

The structure and airway biology of mast cell proteinases. Caughey GH. **Am J Respir Cell Mol Biol** 1991 May; 4(5):387–94 (58 ref.)

Tryptase, a mediator of human mast cells. Schwartz LB. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 2):594–8 (26 ref.)

Tryptase and chymase in dog mast cells. Caughey GH. **Monogr Allergy** 1990;27:67–89 (61 ref.)

Human mast cell carboxypeptidase. Goldstein SM, et al. **Monogr Allergy** 1990;27:132–45 (48 ref.)

Tryptase from human mast cells: biochemistry, biology and clinical utility. Schwartz LB. **Monogr Allergy** 1990; 27:90–113 (66 ref.)

Neutral proteases of mouse mast cells. Serafin WE, et al. **Monogr Allergy** 1990;27:31–50 (49 ref.)

IMMUNOLOGY

Mast cells and allergic rhinitis. Davies RJ. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:248–52 (13 ref.)

Neuropeptides, mast cells and allergy: novel mechanisms and therapeutic possibilities. Goetzl EJ, et al. **Clin Exp Allergy** 1990 Nov;20 Suppl 4:3–7 (52 ref.)

Neuromodulation of mucosal immunity. Stanisz AM, et al. **Reg Immunol** 1989 Nov–Dec;2(6):414–9 (52 ref.)

Bladder mast cell activation in interstitial cystitis. Theoharides TC, et al. **Semin Urol** 1991 May;9(2):74–87 (122 ref.)

METABOLISM

The high affinity receptor for IgE on mast cells. Metzger H. **Clin Exp Allergy** 1991 May;21(3):269–79 (87 ref.)

The metabolism of low density lipoproteins by rat serosal mast cells. Kokkonen JO, et al. **Eur Heart J** 1990 Aug;11 Suppl E:134–46 (26 ref.)

PATHOLOGY

Mast cells in murine graft-versus-host disease: a model of immunologically induced fibrosis. Choi KL, et al. **Immunol Ser** 1989;46:641–51 (39 ref.)

Mast cell and eosinophil mediated damage in bullous pemphigoid. Goldstein SM, et al. **Immunol Ser** 1989; 46:527–45 (67 ref.)

[The mast cell and its pathology (1). Nosology and physiopathology of mast cell hyperplasia and proliferation] Lortholary O, et al. **Ann Pathol** 1991;11(1):18–24 (0 ref.) **(Fre)**

[The mast cell and its pathology. 2: Histopathology of mastocytosis] Lortholary O, et al. **Ann Pathol** 1991; 11(2):92–100 (52 ref.) **(Fre)**

PHYSIOLOGY

The importance of mouse, rat, and dog mast cell lines. Stevens RL. **Am J Respir Cell Mol Biol** 1990 Nov; 3(5):403–4 (7 ref.)

Mast cell/nerve interactions in vitro and in vivo. Bienenstock J, et al. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S55–8 (49 ref.)

Mast cells as a source of multifunctional cytokines. Gordon JR, et al. **Immunol Today** 1990 Dec;11(12):458–64 (82 ref.)

The mast cell in fibrosis. Rothe MJ, et al. **Int J Dermatol** 1991 Jan;30(1):13–6 (56 ref.)

Arthritis and mast cell activation. Mican JM, et al. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 2):677–83 (92 ref.)

Mast cells and histamine in asthma. Peters SP. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 2):642–6 (21 ref.)

The mast cell in health and disease. Rothe MJ, et al. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 1):615–24 (122 ref.)

Mast cells and their role in urticaria. Schwartz LB. **J Am Acad Dermatol** 1991 Jul;25(1 Pt 2):190–203; discussion 203–4 (135 ref.)

The role of the mast cell in clinical gastrointestinal disease with special reference to systemic mastocytosis. Miner PB Jr. **J Invest Dermatol** 1991 Mar;96(3):40S–43S; discussion 43S–44S (42 ref.)

Neutral proteases as indicators of human mast cell heterogeneity. Irani AM, et al. **Monogr Allergy** 1990; 27:146–62 (51 ref.)

Granule chymases and the characterization of mast cell phenotype and function in rat and mouse. Miller HR, et al. **Monogr Allergy** 1990;27:1–30 (71 ref.)

Peptide regulation of mast-cell function. Cochrane DE. **Prog Med Chem** 1990;27:143–88 (214 ref.)

Immunoglobulin E, mast cells, endogenous antigens, and arthritis. Gruber BL. **Rheum Dis Clin North Am** 1991 May; 17(2):333–42 (84 ref.)

[The mast cell] Knudsen T, et al. **Ugeskr Laeger** 1990 Nov 19;152(47):3516–20 (30 ref.) (Eng. Abstr.) **(Dan)**

MASTECTOMY

Acute radiation pneumonitis after postmastectomy irradiation: effect of fraction size. Price A, et al. **Clin Oncol (R Coll Radiol)** 1990 Jul;2(4):224–9 (20 ref.)

Management of local and regional recurrence after mastectomy or breast-conserving treatment. Ames FC, et al. **Surg Clin North Am** 1990 Oct;70(5):1115–24 (34 ref.)

Role of mastectomy in breast cancer. Osborne MP, et al. **Surg Clin North Am** 1990 Oct;70(5):1023–46 (60 ref.)

METHODS

[Current role of radical surgery in the treatment of breast tumors] Caruso F, et al. **G Chir** 1989 Mar;10(3):124–7 (27 ref.) (Eng. Abstr.) **(Ita)**

[Current surgical approaches in carcinoma of the breast] Scarpini M, et al. **G Chir** 1988 Feb;9(2):121–6 (36 ref.) (Eng. Abstr.) **(Ita)**

PSYCHOLOGY

Breast prostheses: a critical review. Szycher M, et al. **J Biomater Appl** 1991 Apr;5(4):256–81 (131 ref.)

REHABILITATION

Reconstruction after mastectomy. Bostwick J 3d. **Surg Clin North Am** 1990 Oct;70(5):1125–40 (32 ref.)

MASTECTOMY, MODIFIED RADICAL

[Treatment of pT1pN0 tumors and carcinoma in situ of the breast] Laffer U, et al. **Arch Gynecol Obstet** 1990;247 Suppl:S91–7 (20 ref.) **(Ger)**

[Immediate breast reconstruction and oncologic criteria: our current definition] Pompei S, et al. **Rev Paul Med** 1990 Jan–Feb;108(1):21–5 (30 ref.) (Eng. Abstr.) **(Por)**

METHODS

[Local recurrence after mastectomy by the Patey technique. Analysis of a personal caseload and characterization of risk factors] De Bernardinis G, et al. **G Chir** 1989 Jan–Feb; 10(1–2):19–23 (32 ref.) (Eng. Abstr.) **(Ita)**

MASTECTOMY, RADICAL

[Ablative versus conservative therapy of operable breast cancer] Kubista E. **Zentralbl Gynakol** 1990;112(18):1143–50 (7 ref.) (Eng. Abstr.) **(Ger)**

REHABILITATION

[Use of the greater omentum for reconstruction of the chest] Nikoladze GD. **Sov Med** 1991;(4):28–31 (58 ref.) **(Rus)**

MASTECTOMY, SEGMENTAL

The 'boost' in the treatment of early-stage breast cancer: electrons versus interstitial implants. Recht A, et al. **Front Radiat Ther Oncol** 1991;25:169–79; discussion 180–2 (22 ref.)

[Breast saving operation and adjuvant therapy of breast cancer. Report of the National Institute of Health (NIH) Consensus Development Conference, Washington D.C. 18–21 June 1990] Kaufmann M, et al. **Geburtshilfe Frauenheilkd** 1990 Oct;50(10):827–8 (0 ref.) **(Ger)**

[Breast saving therapy of breast cancer--indications and consequences--results of a multidisciplinary consensus conference] **Langenbecks Arch Chir** 1991;376(3):189–92 (0 ref.) **(Ger)**

[Breast saving operation and adjuvant therapy of breast cancer. Report of the National Institute of Health (NIH) consensus development conference, Washington, D.C., USA, 18–21 June 1990] Kaufmann M, et al. **Onkologie** 1990 Oct;13(5):394–6 (2 ref.) **(Ger)**

[Ablative versus conservative therapy of operable breast cancer] Kubista E. **Zentralbl Gynakol** 1990;112(18):1143–50 (7 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Quadrantectomy for early breast cancer. Young AE. **Br J Surg** 1991 Apr;78(4):387 (6 ref.)

[Plastic surgery aspects in small breast cancer] Spilker G, et al. **Chirurg** 1991 Feb;62(2):91–7 (21 ref.) **(Ger)**

[Breast saving therapy of breast cancer—indications and sequelae—results of a multiple specialty consensus conference] Hellriegel KP. **Handchir Mikrochir Plast Chir** 1991 Mar;23(2):96–9; discussion 99–101 (0 ref.) **(Ger)**

[Breast saving therapy of breast cancer—indications and consequences. Results of a multidisciplinary consensus conference in Berlin, November 2–3, 1989] **Pathologe** 1990 Sep;11(5):316–8 (0 ref.) **(Ger)**

MASTECTOMY, SUBCUTANEOUS

[Treatment of pT1pN0 tumors and carcinoma in situ of the breast] Laffer U, et al. **Arch Gynecol Obstet** 1990;247 Suppl:S91–7 (20 ref.) **(Ger)**

MASTICATION

PHYSIOLOGY

Shortened dental arches and masticatory ability. Witter DJ, et al. **J Dent** 1990 Aug;18(4):185–9 (47 ref.)

Ingestion and mastication of feed by dairy cattle. Beauchemin KA. **Vet Clin North Am Food Anim Pract** 1991 Jul; 7(2):439–63 (172 ref.)

MASTICATORY MUSCLES

PHYSIOPATHOLOGY

[Uses of electromyography in stomatology] Xia QF, et al. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1990 Sep; 25(5):306–8 (19 ref.) **(Chi)**

MASTICATORY SYSTEM see **STOMATOGNATHIC SYSTEM**

MASTITIS

CHEMICALLY INDUCED

[Acute mastitis in rheumatoid polyarthritis with Gougerot-Sjögren syndrome treated with tiopronin (Acadione)] Gregoir C, et al. **Rev Rhum Mal Osteoartic** 1991 Mar;58(3):203–6 (19 ref.) **(Fre)**

DIAGNOSIS

The puerperium, breastfeeding, and breast milk. Lawrence RA. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):23–30 (13 ref.)

Inflammatory disease of the breast. Leveque J, et al. **Recent Results Cancer Res** 1990;119:18–23 (23 ref.)

ETIOLOGY

Periductal mastitis: aetiology and management. Dixon JM. **Br J Clin Pract Symp Suppl** 1989 Nov;68:76–80; discussion 87–9 (23 ref.)

MICROBIOLOGY

Tuberculous mastitis. Wilson JP, et al. **Chest** 1990 Dec; 98(6):1505–9 (43 ref.)

PATHOLOGY

Bilateral chronic infection of the lactosebaceous glands of Montgomery. al-Qattan MM, et al. **Ann Plast Surg** 1990 Dec;25(6):491–3 (11 ref.)

RADIOGRAPHY

The radiology of periductal mastitis. Gravelle IH. **Br J Clin Pract Symp Suppl** 1989 Nov;68:73–5; discussion

87–9 (3 ref.)

SURGERY

Management of recurrent infection following surgery for periductal mastitis. Hughes LE.
Br J Clin Pract Symp Suppl 1989 Nov;68:81–5; discussion 87–9 (8 ref.)

THERAPY

Periductal mastitis: aetiology and management. Dixon JM.
Br J Clin Pract Symp Suppl 1989 Nov;68:76–80; discussion 87–9 (23 ref.)

MASTITIS, BOVINE

DRUG THERAPY

Theory, use, and realities of efficacy and food safety of antimicrobial treatment of acute coliform mastitis. Erskine RJ, et al. **J Am Vet Med Assoc** 1991 Mar 15;198(6):980–4 (66 ref.)
Bovine mastitis—why does antibiotic therapy not always work? An overview. Sandholm M, et al.
J Vet Pharmacol Ther 1990 Sep;13(3):248–60 (59 ref.)

METABOLISM

Prostaglandins, glutathione metabolism, and lipid peroxidation in relation to inflammation in bovine mastitis. Atroshi F, et al. **Adv Exp Med Biol** 1990;264:203–7 (11 ref.)

MASTITIS, CYSTIC see **FIBROCYSTIC DISEASE OF BREAST**

MASTOCYTOMA, BENIGN see **MASTOCYTOSIS**

MASTOCYTOSIS

COMPLICATIONS

A case of POEMS syndrome associated with essential thrombocythaemia and dermal mastocytosis. Jackson A, et al. **Postgrad Med J** 1990 Sep;66(779):761–7 (52 ref.)
[Systemic mastocytosis. Polymorphism of bone involvement. Report of 3 cases 2 of which with diffuse osteocondensation] Macro M, et al.
Rev Rhum Mal Osteoartic 1990 Oct;57(9):653–60 (50 ref.) **(Fre)**

IMMUNOLOGY

Bladder mast cell activation in interstitial cystitis. Theoharides TC, et al. **Semin Urol** 1991 May;9(2):74–87 (122 ref.)

PATHOLOGY

The skin in mastocytosis. Soter NA. **J Invest Dermatol** 1991 Mar;96(3):32S–38S; discussion 38S–39S (89 ref.)
[The mast cell and its pathology. 2: Histopathology of mastocytosis] Lortholary O, et al. **Ann Pathol** 1991; 11(2):92–100 (52 ref.) **(Fre)**
[The mast cell and its pathology (1). Nosology and physiopathology of mast cell hyperplasia and proliferation] Lortholary O, et al. **Ann Pathol** 1991;11(1):18–24 (0 ref.) **(Fre)**

PHYSIOPATHOLOGY

The role of the mast cell in clinical gastrointestinal disease with special reference to systemic mastocytosis. Miner PB Jr. **J Invest Dermatol** 1991 Mar;96(3):40S–43S; discussion 43S–44S (42 ref.)

MASTOID

Cholesteatoma: recognition and management. McKennan KX. **Am Fam Physician** 1991 Jun;43(6):2091–6 (8 ref.)
Osteoma of the mastoid bone. Probst LE, et al.
J Otolaryngol 1991 Jun;20(3):228–30 (18 ref.)
[Osteoma of the mastoid] Morais Pérez D, et al.
Acta Otorrinolaringol Esp 1990 Sep–Oct;41(5):343–6 (19 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Inflammatory disease of the anterior epitympanum. Collins ME, et al. **Am J Otol** 1991 Jan;12(1):11–5 (11 ref.)

RADIOGRAPHY

Tomographic evaluation of cholesteatomas of the middle ear and mastoid. Buckingham RA, et al.
Otolaryngol Clin North Am 1973 Jun;6(2):363–78 (5 ref.)

MASTOMYS see **MURIDAE**

MATCHED CASE-CONTROL STUDIES see **CASE-CONTROL STUDIES**

MATERIA ALBA see **DENTAL DEPOSITS**

MATERIA MEDICA

see related
MEDICINE, TRADITIONAL

[Probe into the rational development and utilization of the genuine crude drugs in Sichuan] Wan B.
Chung Kuo Chung Yao Tsa Chih 1990 Aug;15(8):450–3, 510 (14 ref.) (Eng. Abstr.) **(Chi)**

ADVERSE EFFECTS

[Review of adverse effects of drugs in 54 titles published in the China journal of Chinese Materia Medica] Tan D, et al. **Chung Kuo Chung Yao Tsa Chih** 1990 Apr;15(4):245–7 (54 ref.) **(Chi)**

MATERIALS TESTING

STANDARDS

Behavior of orthotic materials in chiropody. Rome K.
J Am Podiatr Med Assoc 1990 Sep;80(9):471–8 (43 ref.)
Dental materials science—the maintenance of standards. Tyas MJ. **J Oral Rehabil** 1991 Mar;18(2):105–10 (22 ref.)

MATERNAL AGE

Reproductive factors and colorectal cancer. La Vecchia C, et al. **Cancer Causes Control** 1991 May;2(3):193–200 (44 ref.)

MATERNAL AGE 35 AND OVER

Oral contraceptives for women over the age of 35. Mishell DR Jr. **Int J Fertil** 1991;36 Suppl 2:55–60; discussion 60–4 (9 ref.)
[The older primipara] Popov I. **Akush Ginekol (Sofiia)** 1990; 29(6):72–6 (32 ref.) **(Bul)**

MATERNAL BEHAVIOR

Emotional availability in mother–child interactions: a reconceptualization for research. Biringen Z, et al.
Am J Orthopsychiatry 1991 Apr;61(2):258–71 (55 ref.)
Chemical dependency in women: a description of its effects and outcome on adequate parenting. Davis SK.
J Subst Abuse Treat 1990;7(4):225–32 (31 ref.)

MATERNAL-CHILD HEALTH CENTERS

Residential therapeutic communities for female substance abusers. De Leon G, et al. **Bull N Y Acad Med** 1991 May–Jun;67(3):277–90 (35 ref.)

TRENDS

Child health care policy and delivery in France. Manciaux M, et al. **Pediatrics** 1990 Dec;86(6 Pt 2):1037–43 (22 ref.)

MATERNAL-FETAL EXCHANGE

see related
ABNORMALITIES, DRUG-INDUCED

Human immunodeficiency virus and the placenta. Current concepts of vertical transmission in relation to other viral agents. Schwartz DA, et al. **Ann Clin Lab Sci** 1991 Jul–Aug;21(4):264–74 (53 ref.)
Ionising radiation and the developing human brain. Schull WJ. **Ann ICRP** 1991;22(1):95–118 (56 ref.)
Fetal effects of maternal drug exposure. Farrar HC, et al.
Annu Rev Pharmacol Toxicol 1991;31:525–47 (118 ref.)
Fetal drug therapy: principles and issues. Miller RK.
Clin Obstet Gynecol 1991 Jun;34(2):241–50 (62 ref.)
Transplacental transport of lead. Goyer RA.
Environ Health Perspect 1990 Nov;89:101–5 (35 ref.)
Mother-to-child transmission of human immunodeficiency virus. Rossi P, et al. **FASEB J** 1991 Jul;5(10):2419–26 (66 ref.)
Transport of amino acids across the blood–brain barrier: implications for treatment of maternal phenylketonuria. Gardiner RM. **J Inherited Metab Dis** 1990;13(4):627–33 (23 ref.)
Transport of amino acids by the human placenta: predicted effects thereon of maternal hyperphenylalaninaemia. Kudo Y, et al. **J Inherited Metab Dis** 1990;13(4):617–26 (18 ref.)
Maternal substance use and subsequent sudden infant death syndrome (SIDS) in offspring. Kandall SR, et al.
Neurotoxicol Teratol 1991 Mar–Apr;13(2):235–40 (45 ref.)
Transplacental amino acid transfer and its study using positron emission tomography. A short review based on a doctoral thesis. Berglund L. **Ups J Med Sci** 1990; 95(2):95–115 (65 ref.)
[Gas exchange between mother and child in physiological and pathological conditions] Künzel W.
Klin Anasthesiol Intensivther 1989;37:20–35 (28 ref.) **(Ger)**

DRUG EFFECTS

Fetal alcohol exposure: cellular toxicity and molecular events involved in toxicity. Michaelis EK.
Alcohol Clin Exp Res 1990 Dec;14(6):819–26 (59 ref.)

IMMUNOLOGY

Perinatal environmental factors influencing the development of allergy. Björkstén B, et al. **Clin Exp Allergy** 1990 Sep; 20 Suppl 3:3–8 (64 ref.)
Maternal–fetal immunogenetics. Mogil RJ, et al.
Immunol Ser 1989;43:69–89 (71 ref.)
Recurrent miscarriage: a review of current concepts, immune mechanisms, and results of treatment. Carp HJ, et al.
Obstet Gynecol Surv 1990 Oct;45(10):657–69 (101 ref.)
[The fetal–maternal interface. Description of its elements from an immunologic perspective] Vinatier D, et al.
J Gynecol Obstet Biol Reprod (Paris) 1990;19(6):691–700 (84 ref.) (Eng. Abstr.) **(Fre)**
[The role of suppressor cells in the mother–fetus system] Shloma DV, et al. **Akush Ginekol (Mosk)** 1991 Feb;(2):13–6 (68 ref.) **(Rus)**

PHYSIOLOGY

Perspectives on the pathophysiology of fetal alcohol syndrome. Randall CL, et al. **Alcohol Clin Exp Res** 1990 Dec;14(6):807–12 (57 ref.)
The metabolic basis of the fetal alcohol syndrome. Luke B.
Int J Fertil 1990 Nov–Dec;35(6):333–7 (38 ref.)
[Diagnostic and clinical value of Doppler sonography of fetal blood vessels] Schramm T, et al. **Bildgebung** 1991; 58(1):10–6 (51 ref.) (Eng. Abstr.) **(Ger)**

MATERNAL HEALTH SERVICES

Residential therapeutic communities for female substance abusers. De Leon G, et al. **Bull N Y Acad Med** 1991 May–Jun;67(3):277–90 (35 ref.)
Oral health education and promotion in maternal and child health: a position paper. Frazier PJ, et al.
J Public Health Dent 1990;50(6 Spec No):390–5 (34 ref.)
Documentation and evaluation in oral health services. Mecklenburg R. **J Public Health Dent** 1990;50(6 Spec No):439–46 (25 ref.)
Maternal and child oral health issues: research. Weintraub JA. **J Public Health Dent** 1990;50(6 Spec No):447–55 (38 ref.)
[The initiative for a risk-free motherhood: which perspectives?] Dujardin B, et al.
J Gynecol Obstet Biol Reprod (Paris) 1991;20(3):397–405 (27 ref.) (Eng. Abstr.) **(Fre)**

ECONOMICS

Maternity care financing: universal access or universal care? Barber-Madden R, et al. **J Health Polit Policy Law** 1990 Winter;15(4):797–814 (60 ref.)
Resources for improving the oral health of maternal and child populations [published erratum appears in J Public Health Dent 1991 Spring;51(2):68] Johnson K, et al.
J Public Health Dent 1990;50(6 Spec No):418–26 (23 ref.)

ORGANIZATION & ADMINISTRATION

Linking and integrating computers for maternity care. Lumb M, et al. **Baillieres Clin Obstet Gynaecol** 1990 Dec; 4(4):743–70 (18 ref.)

STANDARDS

Standards for maternal and child health care. Chang A.
J Public Health Dent 1990;50(6 Spec No):427–31 (31 ref.)
Standards in maternal and child oral health. Wilson AA.
J Public Health Dent 1990;50(6 Spec No):432–8 (26 ref.)
[Quality assurance in antenatal, perinatal and neonatal care. A medical audit] Andersen KV, et al. **Ugeskr Laeger** 1991 May 20;153(21):1498–501 (16 ref.) (Eng. Abstr.) **(Dan)**

STATISTICS & NUMERICAL DATA

Collection and use of routine maternity data. Barron SL, et al. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):681–97 (36 ref.)

TRENDS

Contraceptive prevalence, reproductive health and our common future. Diczfalusy E. **Contraception** 1991 Mar; 43(3):201–27 (51 ref.)
Trends in maternal and child health care: implications for research and issues for social work practice. Carlton TO, et al. **Soc Work Health Care** 1990;15(1):45–62 (37 ref.)

MATERNAL MORTALITY

Determinants of maternal mortality in the developing world. Stokoe U. **Aust N Z J Obstet Gynaecol** 1991 Feb;31(1):8–16 (54 ref.)
Maternal mortality. Steinberg WM.
Curr Opin Obstet Gynecol 1989 Dec;1(2):137–46 (12 ref.)

MATERNAL WELFARE

see related
MATERNAL HEALTH SERVICES

Oral health policy issues for women and children. Allukian M Jr. **J Public Health Dent** 1990;50(6 Spec No):406–17 (31 ref.)

MATERNALLY-ACQUIRED IMMUNITY see

IMMUNITY, MATERNALLY-ACQUIRED

MATHEMATICAL COMPUTING

The protein structure code: what is its present status? Garnier J, et al. **Comput Appl Biosci** 1991 Apr;7(2):133–42 (67 ref.)
[Possibilities of mathematical modeling in psychiatry (review of the literature)] Blokhina VP, et al.
Zh Nevropatol Psikhiatr 1990;90(7):120–3 (74 ref.) **(Rus)**

MATHEMATICS

Fascinating rhythm: a primer on chaos theory and its application to cardiology. Denton TA, et al.
Am Heart J 1990 Dec;120(6 (Pt 1)):1419–40 (126 ref.)
Dyscalculia in children. O'Hare AE, et al.
Dev Med Child Neurol 1991 Apr;33(4):356–61 (36 ref.)
Neuropsychology of childhood arithmetic disorders. Batchelor ES. **Int J Neurosci** 1989 Jan;44(1–2):27–40 (40 ref.)
Applications of fractal analysis to physiology. Glenny RW, et al. **J Appl Physiol** 1991 Jun;70(6):2351–67 (43 ref.)
Models of arithmetic fact retrieval: an evaluation in light of findings from normal and brain-damaged subjects. McCloskey M, et al. **J Exp Psychol [Learn Mem Cogn]** 1991 May;17(3):377–97 (47 ref.)
Four metrics for image variation. Bookstein FL.
Prog Clin Biol Res 1991;363:227–40 (5 ref.)
A review of some theoretical models of the brain. Willis JB.
Prog Neurobiol 1975;5(2):245–70 (18 ref.)

MATING BEHAVIOR, ANIMAL see SEX BEHAVIOR, ANIMAL

MATING TYPE GENES see GENES, FUNGAL

MATRIX, EXTRACELLULAR see EXTRACELLULAR MATRIX

MATTRESSES see BEDS

MATURATION-PROMOTING FACTOR

see related
CYCLIN

METABOLISM

Facts and hypotheses of calcium regulation of MPF activity during meiotic maturation of starfish oocytes. Dorée M, et al. **J Reprod Fertil Suppl** 1990;42:135–40 (57 ref.)
Cell cycle control proteins are second messenger targets at fertilization in sea-urchin eggs. Whitaker MJ.
J Reprod Fertil Suppl 1990;42:199–204 (49 ref.)

PHYSIOLOGY

MPF and cell cycle control. Maller JL.
Adv Second Messenger Phosphoprotein Res 1990;24:323–8 (40 ref.)
Protein kinases and protooncogenes: biochemical regulators of the eukaryotic cell cycle. Freeman RS, et al.
Biochemistry 1991 Mar 5;30(9):2293–302 (121 ref.)
Coupling M phase and S phase: controls maintaining the dependence of mitosis on chromosome replication. Enoch T, et al. **Cell** 1991 Jun 14;65(6):921–3 (21 ref.)

MAXILLA

ABNORMALITIES

[Review of cranio-maxillo-facial malformations characterized by abnormal bone density] Reychler H.
Ann Chir Plast Esthet 1990;35(5):421–31 (84 ref.) (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Segmental osteotomy of the upper and lower jaw. Ohmori K, et al. **Clin Plast Surg** 1991 Jan;18(1):163–9 (4 ref.)

BLOOD SUPPLY

Arteriovenous malformation of the maxilla. Kennedy KS.
Head Neck 1990 Nov–Dec;12(6):512–5 (9 ref.)

PATHOLOGY

Reconstructive preprosthetic surgery. I. Anatomical considerations. Cawood JI, et al.
Int J Oral Maxillofac Surg 1991 Apr;20(2):75–82 (10 ref.)

SURGERY

Surgical ciliated (postoperative maxillary) cysts following mid-face osteotomies. Sugar AW, et al.
Br J Oral Maxillofac Surg 1990 Aug;28(4):264–7 (20 ref.)
Intra- and early postoperative complications of the Le Fort I osteotomy. A retrospective study on 410 cases. de Mol van Otterloo JJ, et al. **J Craniomaxillofac Surg** 1991 Jul; 19(5):217–22 (48 ref.)
Major vascular complications of orthognathic surgery: false aneurysms and arteriovenous fistulas following orthognathic surgery. Lanigan DT, et al.
J Oral Maxillofac Surg 1991 Jun;49(6):571–7 (35 ref.)
Management of delayed union and nonunion of maxillary osteotomies. Van Sickels JE, et al.
J Oral Maxillofac Surg 1990 Oct;48(10):1039–44 (10 ref.)

MAXILLARY ANTRUM see MAXILLARY SINUS

MAXILLARY ARTERY

ABNORMALITIES

Quest for the aberrant vessel. Milczuk HA, et al.
Otolaryngol Head Neck Surg 1991 Apr;104(4):489–94 (20 ref.)

PATHOLOGY

Major vascular complications of orthognathic surgery: false aneurysms and arteriovenous fistulas following orthognathic surgery. Lanigan DT, et al.
J Oral Maxillofac Surg 1991 Jun;49(6):571–7 (35 ref.)

MAXILLARY DISEASES

[Bilateral brown tumor of the jaw. Apropos of a case] Khochtali H, et al. **Rev Stomatol Chir Maxillofac** 1991; 92(2):116–9 (16 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Surgical ciliated (postoperative maxillary) cysts following mid-face osteotomies. Sugar AW, et al.
Br J Oral Maxillofac Surg 1990 Aug;28(4):264–7 (20 ref.)
[Osteomyelitis of the jaw and osteopetrosis] Khochtali H, et al. **Rev Stomatol Chir Maxillofac** 1991;92(4):273–6 (12 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Massive osteolysis of the maxillofacial bones. Report of two cases. Ohya T, et al. **Oral Surg Oral Med Oral Pathol** 1990 Dec;70(6):698–703 (23 ref.)
Glandular odontogenic cyst: clinicopathologic analysis of three cases. Patron M, et al.
Oral Surg Oral Med Oral Pathol 1991 Jul;72(1):71–4 (4 ref.)

SURGERY

The Caldwell-Luc operation. Bernstein L.
Otolaryngol Clin North Am 1971 Feb;4(1):69–77 (4 ref.)

MAXILLARY FRACTURES

SURGERY

Management of middle third facial fractures. Duckert LG.
Otolaryngol Clin North Am 1991 Feb;24(1):103–18 (3 ref.)

MAXILLARY NEOPLASMS

Atypical multiple benign osteoblastomas accompanied by simple bone cysts. A case report. Asada Y, et al.
J Craniomaxillofac Surg 1991 May;19(4):166–71 (41 ref.)
Adenomatoid odontogenic tumor: biologic profile based on 499 cases. Philipsen HP, et al. **J Oral Pathol Med** 1991 Apr;20(4):149–58 (59 ref.)
[Carcinoma cuniculatum. Apropos of 4 cases with orofacial involvement] Kahn JL, et al.
Rev Stomatol Chir Maxillofac 1991;92(1):27–33 (31 ref.) (Eng. Abstr.) **(Fre)**
[Bilateral brown tumor of the jaw. Apropos of a case] Khochtali H, et al. **Rev Stomatol Chir Maxillofac** 1991; 92(2):116–9 (16 ref.) (Eng. Abstr.) **(Fre)**

EPIDEMIOLOGY

Adenomatoid odontogenic tumour (adenoameloblastoma)--a review. Awange DO. **East Afr Med J** 1991 Mar; 68(3):155–63 (23 ref.)
[Mixed odontogenic tumors. Studies on the significance of correlations between ameloblastic fibroma, ameloblastic fibro-odontoma and odontoma] Fabris GA, et al.
Minerva Stomatol 1991 Mar;40(3):167–73 (12 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

Ameloblastic carcinoma of the maxilla metastatic to the mandible. Case report. Lee L, et al.
J Craniomaxillofac Surg 1990 Aug;18(6):247–50 (14 ref.)
Central odontogenic fibroma: clinicopathologic features of 19 cases and review of the literature. Handlers JP, et al.
J Oral Maxillofac Surg 1991 Jan;49(1):46–54 (14 ref.)
Desmoplastic variant of ameloblastoma: report of a case and review of the literature. Yoshimura Y, et al.
J Oral Maxillofac Surg 1990 Nov;48(11):1231–5 (9 ref.)

RADIOGRAPHY

Ameloblastic odontoma (odonto-ameloblastoma). Kaugars GE, et al. **Oral Surg Oral Med Oral Pathol** 1991 Mar; 71(3):371–3 (12 ref.)

MAXILLARY NERVE

PATHOLOGY

Herpes zoster virus infection: a clinicopathologic review and case reports. Barrett AP. **Aust Dent J** 1990 Aug; 35(4):328–32 (26 ref.)

MAXILLARY SINUS

[Transient amaurosis following the insufflation of air into the maxillary sinus] Teişanu E. **Otorinolaringologie** 1967 Jan-Mar;12(1):53–60 (62 ref.) (Eng. Abstr.) **(Rum)**

ABNORMALITIES

Maxillary sinus hypoplasia masquerading as chronic sinusitis. Vinson RP, et al. **Postgrad Med** 1991 Mar;89(4):189–90 (6 ref.)

SURGERY

Nasal base, maxillary, and infraorbital implants--alloplastic. Hinderer UT. **Clin Plast Surg** 1991 Jan;18(1):87–105 (52 ref.)
The Caldwell-Luc operation. Bernstein L.
Otolaryngol Clin North Am 1971 Feb;4(1):69–77 (4 ref.)
Surgical drainage of the antrum. Litton WB.
Otolaryngol Clin North Am 1971 Feb;4(1):57–68 (0 ref.)

MAXILLARY SINUS NEOPLASMS

Desmoplastic fibroma of the maxillary sinus. Report of a case and review of the literature. Hashimoto K, et al.
Oral Surg Oral Med Oral Pathol 1991 Jul;72(1):126–32 (50 ref.)
Olfactory neuroblastoma (esthesioneuroblastoma) in a 2-year-old boy. Woerner SJ, et al.
Pediatr Hematol Oncol 1986;3(2):167–74 (33 ref.)

COMPLICATIONS

Herniation of the antral membrane through an extraction site. Report of a case. Shultz RE, et al.
Oral Surg Oral Med Oral Pathol 1991 Mar;71(3):280–2 (3 ref.)

DIAGNOSIS

[Primary meningioma of the nose and the paranasal sinus] Fernández Liesa R, et al.
Ann Otolaryngol Chir Cervicofac 1991;108(1):34–7 (18 ref.) (Eng. Abstr.) **(Fre)**
[The problems posed by nasosinusal chondrosarcoma: a review of the literature and a case report] Esteban Ortega F, et al. **An Otorrinolaringol Ibero Am** 1990;17(5):519–34 (38 ref.) (Eng. Abstr.) **(Spa)**
[Solitary rhinosinusal plasmacytoma. A review of its diagnosis and treatment] Gallego de la Fuente MC, et al.
An Otorrinolaringol Ibero Am 1990;17(6):591–8 (18 ref.) (Eng. Abstr.) **(Spa)**
[Nasosinusal inverted papilloma. A case report] Martí Peña M, et al. **An Otorrinolaringol Ibero Am** 1990;17(6):577–89 (30 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Angiosarcoma of the maxillary sinus. Sobol SM, et al.
Ear Nose Throat J 1990 Dec;69(12):813–8 (38 ref.)
[Cavernous hemangioma of the maxillary sinus] Lahoz Zamarro MT, et al. **Acta Otorrinolaringol Esp** 1990 May-Jun;41(3):197–9 (18 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Cancers of the maxillary sinus. Giri PG. **South Med J** 1991 Jul;84(7):897–902 (41 ref.)

MAXILLARY SINUSITIS

DIAGNOSIS

Maxillary sinus hypoplasia masquerading as chronic sinusitis. Vinson RP, et al. **Postgrad Med** 1991 Mar;89(4):189–90 (6 ref.)

DRUG THERAPY

First-line management of sinusitis: a national problem? Overview. Kennedy DW. **Otolaryngol Head Neck Surg** 1990 Nov;103(5 (Pt 2)):847–54 (11 ref.)

MAXILLOFACIAL DEVELOPMENT

see related
CEPHALOMETRY

Growth of the pharynx and its physiologic implications. Tourné LP. **Am J Orthod Dentofacial Orthop** 1991 Feb; 99(2):129–39 (112 ref.)
Methods used to evaluate growth modification in Class II malocclusion. Tulloch JF, et al.
Am J Orthod Dentofacial Orthop 1990 Oct;98(4):340–7 (11 ref.)
Dental, orthodontic, and oral/maxillofacial evaluation and treatment in Apert syndrome. Ferraro NF.
Clin Plast Surg 1991 Apr;18(2):291–307 (84 ref.)
Facial growth rotation--reflections on definition and cause.

Björk A. **Proc Finn Dent Soc** 1991;87(1):51–8 (23 ref.)
Cartilage, function and craniofacial morphogenesis. Rönning O. **Proc Finn Dent Soc** 1991;87(2):231–7 (70 ref.)
Advances in histological methods open up new perspectives for craniofacial growth research. Thesleff I, et al. **Proc Finn Dent Soc** 1991;87(1):23–32 (24 ref.)
Tooth crown heights, tooth wear, sexual dimorphism and jaw growth in hominoids. Dean MC, et al. **Z Morphol Anthropol** 1991;78(3):425–40 (27 ref.)
[Effect of growth on esthetics] Busson E. **Orthod Fr** 1991; 62 Pt 1:71–100 (127 ref.) **(Fre)**

GENETICS

Genetic and epigenetic regulation of craniofacial development. Varrela J. **Proc Finn Dent Soc** 1991; 87(2):239–44 (44 ref.)

PHYSIOLOGY

Upper airway obstruction and craniofacial morphology. Principato JJ. **Otolaryngol Head Neck Surg** 1991 Jun; 104(6):881–90 (58 ref.)

MAXILLOFACIAL INJURIES

COMPLICATIONS

Management of associated dental injuries in maxillofacial trauma. Dierks EJ. **Otolaryngol Clin North Am** 1991 Feb; 24(1):165–79 (18 ref.)
The cervical spine in maxillofacial trauma. Assessment and airway management. Kellman R. **Otolaryngol Clin North Am** 1991 Feb;24(1):1–13 (50 ref.)

EPIDEMIOLOGY

A 7-year review of maxillofacial trauma in a central London hospital. Dimitroulis G, et al. **Br Dent J** 1991 Apr 20; 170(8):300–2 (18 ref.)

THERAPY

ABC of major trauma. Major maxillofacial injuries [published erratum appears in BMJ 1990 Oct 6;301(6755):804] Hutchison I, et al. **BMJ** 1990 Sep 22;301(6752):595–9 (0 ref.)

MAXIMAL EXPIRATORY FLOW RATE

[Standardization of forced spirometry. Analysis of the basal pulmonary function (PEF, FEF2575, FEF50) in a selected group of children] Sanz Ortega J, et al. **An Esp Pediatr** 1990 Jun;32(6):499–506 (34 ref.) (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

[The analysis of bronchial obstruction and its reversibility after bronchodilators using a study of "density-effect" on maximum flow] Teculescu D, et al. **Rev Mal Respir** 1991; 8(1):29–37 (110 ref.) (Eng. Abstr.) **(Fre)**

MAXIMAL EXPIRATORY FLOW-VOLUME CURVES

PHYSIOLOGY

[Analysis of maximal expiratory flow-volume curves—visual evaluation and quantitative evaluation] Meguro T, et al. **Nippon Eiseigaku Zasshi** 1991 Jun;46(2):625–34 (40 ref.) (Eng. Abstr.) **(Jpn)**

MAXIMUM ALLOWABLE CONCENTRATION see **MAXIMUM PERMISSIBLE EXPOSURE LEVEL**

MAXIMUM PERMISSIBLE EXPOSURE LEVEL

Perspectives on what we formerly called threshold limit values. Goldsmith JR. **Am J Ind Med** 1991;19(6):805–12 (37 ref.)

MAY APPLE see **PODOPHYLLUM**

MCCUNE-ALBRIGHT SYNDROME see **FIBROUS DYSPLASIA, POLYOSTOTIC**

MCGILL PAIN QUESTIONNAIRE see **PAIN MEASUREMENT**

MCNAUGHTON RULE see **INSANITY DEFENSE**

MDA see **3,4-METHYLENEDIOXYAMPHETAMINE**

MEA I see **NEOPLASMS, MULTIPLE ENDOCRINE**

MEA II see **NEOPLASMS, MULTIPLE ENDOCRINE**

MEA III see **NEOPLASMS, MULTIPLE ENDOCRINE**

MEALS ON WHEELS see **FOOD SERVICES**

MEALWORM see **TENEBRIO**

MEASLES

Measles update. Campos-Outcalt D. **Am Fam Physician** 1990 Nov;42(5):1274–83 (38 ref.)
Comparative experimental viral labyrinthitis. Davis LE. **Am J Otolaryngol** 1990 Nov–Dec;11(6):382–8 (47 ref.)

COMPLICATIONS

Molecular events in measles virus infection of the central nervous system. Swoveland PT. **Int Rev Exp Pathol** 1991; 32:255–75 (85 ref.)

DRUG THERAPY

Vitamin A administration reduces mortality and morbidity from severe measles in populations nonendemic for hypovitaminosis A. **Nutr Rev** 1991 Mar;49(3):89–91 (12 ref.)

EPIDEMIOLOGY

Measles in the United States: 1989 and 1990. Katz SL. **Adv Pediatr Infect Dis** 1991;6:79–90 (24 ref.)
The burden of acute respiratory infection due to measles in developing countries and the potential impact of measles vaccine. Markowitz LE, et al. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S555–61 (63 ref.)

IMMUNOLOGY

[Immuno-epidemiologic considerations on the prevention of measles in Mexico] Díaz-Ortega JL, et al. **Bol Med Hosp Infant Mex** 1990 Jul;47(7):474–81 (25 ref.) (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Principles of measles control. Cutts FT, et al. **Bull World Health Organ** 1991;69(1):1–7 (18 ref.)
Control of viral infections in hospitals. Breuer J, et al. **J Hosp Infect** 1990 Oct;16(3):191–221 (186 ref.)
Prevention of mumps, measles, and rubella among hospital personnel. Weber DJ, et al. **J Pediatr** 1991 Aug; 119(2):322–6 (56 ref.)
Measles vaccine and measles control. Lepow ML. **Pediatr Ann** 1990 Sep;19(9):543–5, 548–50 (14 ref.)
Vaccinations in the health strategies of developing countries. Henderson RH. **Scand J Infect Dis Suppl** 1990;76:7–14 (3 ref.)
The potential for the elimination of measles in the modern age. Goldberg KC. **Wis Med J** 1991 Jul;90(7):427–33 (21 ref.)
[Current problems in the global elimination of measles] Bektimirov TA. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Sep;(9):104–8 (46 ref.) **(Rus)**

MEASLES, GERMAN see **RUBELLA**

MEASLES VACCINE

Measles in the United States: 1989 and 1990. Katz SL. **Adv Pediatr Infect Dis** 1991;6:79–90 (24 ref.)
Principles of measles control. Cutts FT, et al. **Bull World Health Organ** 1991;69(1):1–7 (18 ref.)
Measles vaccine and measles control. Lepow ML. **Pediatr Ann** 1990 Sep;19(9):543–5, 548–50 (14 ref.)
The burden of acute respiratory infection due to measles in developing countries and the potential impact of measles vaccine. Markowitz LE, et al. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S555–61 (63 ref.)
[Allergic reactions to measles, mumps and rubella vaccine in children with egg protein allergy] Kornbrot B, et al. **Harefuah** 1990 Oct;119(7–8):230–1 (24 ref.) **(Heb)**

IMMUNOLOGY

[Immuno-epidemiologic considerations on the prevention of measles in Mexico] Díaz-Ortega JL, et al. **Bol Med Hosp Infant Mex** 1990 Jul;47(7):474–81 (25 ref.) (Eng. Abstr.) **(Spa)**

MEASLES VIRUS, GERMAN see **RUBELLA VIRUS**

MEAT

Formation of meat mutagens. Jägerstad M, et al. **Adv Exp Med Biol** 1991;289:83–105 (62 ref.)
Meat mutagens. Chen C, et al. **Adv Food Nutr Res** 1990; 34:387–449 (244 ref.)
Critical review of isolation, detection, and identification of yeasts from meat products. Fung DY, et al. **Crit Rev Food Sci Nutr** 1990;29(5):341–79 (78 ref.)
Aspects of the epidemiology of Yersinia enterocolitica: a review. Andersen JK, et al. **Int J Food Microbiol** 1991 Jul;13(3):231–7 (27 ref.)

ADVERSE EFFECTS

Carcinogenicity of mutagens from cooked meats. Larsen JC, et al. **Prog Clin Biol Res** 1990;347:89–108 (57 ref.)

ANALYSIS

The potential for the toxic principles of Astragalus and related plants to appear in meat and milk. James LF, et al. **Vet Hum Toxicol** 1990;32 Suppl:104–9 (47 ref.)
[A review of the diagnostic possibilities of illegal drug administration in slaughtered animals and meat inspection] Ellerbroek L. **DTW Dtsch Tierarztl Wochenschr** 1990 Aug; 97(8):307–13 (105 ref.) (Eng. Abstr.) **(Ger)**

STANDARDS

Application of acute phase reactants during antemortem and postmortem meat inspection. Saini PK, et al. **J Am Vet Med Assoc** 1991 Jun 1;198(11):1898–901 (48 ref.)
Effects of feeds on flavor of red meat: a review. Melton SL. **J Anim Sci** 1990 Dec;68(12):4421–35 (83 ref.)
A sensory perspective of effect of feeds on flavor in meats: poultry meats. Poste LM. **J Anim Sci** 1990 Dec; 68(12):4414–20 (28 ref.)

MEAT PRODUCTS

Formation of meat mutagens. Jägerstad M, et al. **Adv Exp Med Biol** 1991;289:83–105 (62 ref.)
Critical review of isolation, detection, and identification of yeasts from meat products. Fung DY, et al. **Crit Rev Food Sci Nutr** 1990;29(5):341–79 (78 ref.)

ANALYSIS

Formation of heterocyclic amines during meat extract processing and cooking. Aeschbacher HU. **Adv Exp Med Biol** 1991;289:107–13 (23 ref.)

MEBUBARBITAL see **PENTOBARBITAL**

MEBUMAL see **PENTOBARBITAL**

MECHANICAL VENTILATOR WEANING see **VENTILATOR WEANING**

MECHANORECEPTORS

see related
PROPRIOCEPTION

PHYSIOLOGY

Mechanoreceptor modulation of endogenous respiratory rhythms in vertebrates. Milsom WK. **Am J Physiol** 1990 Nov;259(5 Pt 2):R898–910 (102 ref.)
Mechanoreception by the endothelium: mediators and mechanisms of pressure- and flow-induced vascular responses. Rubanyi GM, et al. **Blood Vessels** 1990; 27(2–5):246–57 (31 ref.)
Receptors in the knee joint ligaments and their role in the biomechanics of the joint. Johansson H, et al. **Crit Rev Biomed Eng** 1991;18(5):341–68 (273 ref.)

PHYSIOPATHOLOGY

[Disturbances of consciousness and airway reflexes] Nishino T. **Kokyu To Junkan** 1990 Dec;38(12):1176–84 (47 ref.) **(Jpn)**

MECKEL'S DIVERTICULUM

Perforated leiomyosarcoma of Meckel's diverticulum. Case report. De Mulder RM, et al. **Eur J Surg** 1991 Jan; 157(1):69–70 (10 ref.)
[The heterotopic pancreas in children. Apropos of 4 new cases] Anagnostopoulos D, et al. **Chir Pediatr** 1990; 31(3):164–6 (32 ref.) (Eng. Abstr.) **(Fre)**
[Leiomyosarcoma of the Meckel's diverticulum and multiple diverticulosis of the ileum. Apropos of a case] Amar A, et al. **J Chir (Paris)** 1990 Dec;127(12):598–600 (22 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

[Adenocarcinoma of Meckel's diverticulum, a rare complication of omphalo-mesenteric remnant: presentation of a case and review of the literature] Borgognone A, et al. **G Chir** 1988 Feb;9(2):103–5 (11 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

[Carcinoid of Meckel's diverticulum. Report of a case and review of the literature] Jotz GP, et al. **Arq Gastroenterol** 1990 Jan–Mar;27(1):30–2 (16 ref.) (Eng. Abstr.) **(Por)**

RADIONUCLIDE IMAGING

A case of intermittent bleeding Meckel's diverticulum. Imaeda T, et al. **Ann Nucl Med** 1990 Nov;4(3):107–10 (19 ref.)
Physiological and pharmacological interventions in radionuclide imaging of the tubular gastrointestinal tract. Datz FL, et al. **Semin Nucl Med** 1991 Apr;21(2):140–52 (61 ref.)

MECONIUM

[Meconium peritonitis: diagnosis, etiology and treatment] Govaert P, et al. **Tijdschr Kindergeneeskd** 1991 Jun; 59(3):98–105 (40 ref.) (Eng. Abstr.) **(Dut)**

MECONIUM ASPIRATION

Meconium aspiration syndrome. Co E, et al. **Compr Ther**

1990 Oct;16(10):34–9 (14 ref.)

THERAPY

Delivery room management of meconium-stained neonates. Kresch MJ, et al. **J Perinatol** 1991 Mar;11(1):46–8 (10 ref.)

MEDIAN NERVE

see related
CARPAL TUNNEL SYNDROME

MEDIASTINAL CYST

[Cervical thymic cysts in children] Rollán Villamarín V, et al. **Cir Pediatr** 1990 Apr;3(2):86–8 (10 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Adenocarcinoma arising in a foregut cyst of the mediastinum. Olsen JB, et al. **Ann Thorac Surg** 1991 Mar;51(3):497–9 (8 ref.)

DIAGNOSIS

Bronchopulmonary and neurenteric forms of foregut anomalies. Imaging for diagnosis and management. Haddon MJ, et al. **Radiol Clin North Am** 1991 Mar;29(2):241–54 (103 ref.)

PATHOLOGY

Mediastinal cysts and intrathoracic thyroid tumors. Wick MR. **Semin Diagn Pathol** 1990 Nov;7(4):285–94 (52 ref.)

SURGERY

[Thoracic duct cyst--a case report] Takahashi C, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Jul;38(7):1214–8 (24 ref.) (Eng. Abstr.) **(Jpn)**

MEDIASTINAL DISEASES

[Mediastinal adenopathy disclosing Castleman's disease. Apropos of a case] Dansin E, et al. **Rev Mal Respir** 1991; 8(1):103–6 (21 ref.) (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Drug-related pleural and mediastinal disorders. Miller WT Jr. **J Thorac Imaging** 1991 Jan;6(1):36–51 (148 ref.)

COMPLICATIONS

[Sarcoidosis associated with hemolytic anemia and autoimmune thrombocytopenia (letter)] Bourgain C, et al. **Ann Med Interne (Paris)** 1990;141(7):625–6 (9 ref.) **(Fre)**

DIAGNOSIS

Thoracic magnetic resonance imaging. Weinreb JC, et al. **Clin Chest Med** 1991 Mar;12(1):33–54 (108 ref.)

ETIOLOGY

[A case of cervico-mediastinal abscess, secondary to acute tonsillitis: investigation of the treatments] Fukamoto K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1990 Jun;93(6):884–93 (40 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

CT-guided transthoracic needle biopsy. Gardner D, et al. **Cardiovasc Intervent Radiol** 1991 Jan–Feb;14(1):17–23 (35 ref.)

PHYSIOPATHOLOGY

Intrathoracic extramedullary hematopoiesis simulating posterior mediastinal mass--report of a case in patient with beta-thalassemia intermedia. Yu YC, et al. **Kao Hsiung I Hsueh Ko Hsueh Tsa Chih** 1991 Jan;7(1):43–8 (23 ref.)

MEDIASTINAL EMPHYSEMA

Spontaneous pneumomediastinum in children. Versteegh FG, et al. **Eur J Pediatr** 1991 Mar;150(5):304–7 (48 ref.)

Spontaneous pneumomediastinum: evaluation and treatment [see comments] Holmes KD, et al. **J Fam Pract** 1990 Oct; 31(4):422, 425–6, 429 (15 ref.) Comment in: J Fam Pract 1991 Feb;32(2):128.

[The etiology, clinical picture and x-ray symptomatology of mediastinal emphysema] Lange H, et al. **Rontgenpraxis** 1991 Apr;44(4):107–11 (32 ref.) **(Ger)**

ETIOLOGY

Spontaneous pneumomediastinum in esophageal carcinoma. Sridhar KS, et al. **Am J Clin Oncol** 1990 Dec;13(6):527–31 (38 ref.)

Pneumopericardium and pneumomediastinum after polypectomy. Bakker J, et al. **Endoscopy** 1991 Jan; 23(1):46–7 (19 ref.)

Iatrogenic pneumomediastinum after endodontic therapy. Nahlieli O, et al. **Oral Surg Oral Med Oral Pathol** 1991 May;71(5):618–9 (12 ref.)

THERAPY

Disposition of spontaneous pneumomediastinum. Smith BA, et al. **Am J Emerg Med** 1991 May;9(3):256–9 (17 ref.)

MEDIASTINAL NEOPLASMS

Mediastinal germ cell tumors. Clinical features and biologic correlates. Nichols CR. **Chest** 1991 Feb;99(2):472–9 (43 ref.)

Mediastinal tumors. Thomas CR Jr, et al. **Curr Opin Oncol** 1991 Apr;3(2):335–43 (80 ref.)

[Experience of the malignant complete intrathoracic goiter: discussion on 13 cases of Japan] Fukasawa T, et al. **Kyobu Geka** 1990 Aug;43(9):757–60 (25 ref.) (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Thymolipoma in association with myasthenia gravis. Le Marchadour F, et al. **Am J Surg Pathol** 1991 Aug; 15(8):802–9 (39 ref.)

CONGENITAL

[Congenital neuroblastoma] Gonzálvez J, et al. **Cir Pediatr** 1988 Jan;1(1):35–8 (17 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Mediastinal tumors. Thomas CR Jr, et al. **Curr Opin Oncol** 1990 Apr;2(2):359–67 (26 ref.)

DRUG THERAPY

[Intra-arterial chemotherapy with cis-diamminedichloroplatinum (CDDP) for primary mediastinal seminoma] Kuritsuka H, et al. **Nippon Gan Chiryo Gakkai Shi** 1990 Nov 20;25(11):2711–6 (14 ref.) (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Adenocarcinoma arising in a foregut cyst of the mediastinum. Olsen JB, et al. **Ann Thorac Surg** 1991 Mar;51(3):497–9 (8 ref.)

PATHOLOGY

Mediastinal hibernoma, a rare tumor. Ahn C, et al. **Ann Thorac Surg** 1990 Nov;50(5):828–30 (15 ref.)

An autopsy case of malignant fibrous histiocytoma of the mediastinum, presenting multiple metastases to the small intestine and to the brain--a rare case report with a review of the literature. Misonou J, et al. **Gastroenterol Jpn** 1990 Dec;25(6):746–52 (17 ref.)

Germ cell tumors of the mediastinum. Dehner LP. **Semin Diagn Pathol** 1990 Nov;7(4):266–84 (73 ref.)

Mediastinal lymphoma. Strickler JG, et al. **Semin Diagn Pathol** 1991 Feb;8(1):2–13 (82 ref.)

Soft tissue neoplasma of the mediastinum. Swanson PE. **Semin Diagn Pathol** 1991 Feb;8(1):14–34 (200 ref.)

Thymomas and thymic carcinomas. Walker AN, et al. **Semin Diagn Pathol** 1990 Nov;7(4):250–65 (89 ref.)

Neuroendocrine neoplasms of the mediastinum. Wick MR, et al. **Semin Diagn Pathol** 1991 Feb;8(1):35–51 (80 ref.)

Mediastinal cysts and intrathoracic thyroid tumors. Wick MR. **Semin Diagn Pathol** 1990 Nov;7(4):285–94 (52 ref.)

[Cystic lymphangioma of the mediastinum. 2 personal cases and a review of the literature] Bancel B, et al. **Ann Pathol** 1991;11(2):107–11 (35 ref.) (Eng. Abstr.) **(Fre)**

[Inflammatory type of malignant fibrous histiocytoma in the anterior mediastinum--a case report] Kasahara D, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Mar;39(3):366–72 (16 ref.) (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Scintigraphic localization of ectopic parathyroid lesions with thallium-201. Moisa II, et al. **Head Neck** 1991 May–Jun; 13(3):184–90 (30 ref.)

SECONDARY

[Mediastinal adenopathy and cancer of the prostate] Boyer L, et al. **Rev Mal Respir** 1991;8(1):115–7 (9 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Cervical, cervicomediastinal and intrathoracic lymphangioma. Glasson MJ, et al. **Prog Pediatr Surg** 1991; 27:62–83 (51 ref.)

Mediastinal masses in childhood: a review from a paediatric pathologist's point of view. Simpson I, et al. **Prog Pediatr Surg** 1991;27:92–126 (31 ref.)

THERAPY

Management of anterior mediastinal tumors. Mark JB. **Semin Surg Oncol** 1990;6(5):286–90 (27 ref.)

MEDIASTINITIS

COMPLICATIONS

[Rupture of an infected vein graft in the course of mediastinitis following coronary artery bypass grafting: report of a case] Kohno H, et al. **Kyobu Geka** 1990 Nov; 43(12):996–9 (11 ref.) (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Life-threatening peripharyngeal sepsis with mediastinitis. Baker AR, et al. **Br J Clin Pract** 1990 Dec;44(12):640–1 (9 ref.)

Mediastinitis from odontogenic infection. Report of three cases and review of the literature. Garatea-Crelgo J, et al. **Int J Oral Maxillofac Surg** 1991 Apr;20(2):65–8 (15 ref.)

[Sternal osteitis and mediastinitis after coronary artery bypass graft surgery] Detroz B, et al. **Ann Chir** 1991;45(2):128–35 (35 ref.) (Eng. Abstr.) **(Fre)**

[Deep infections of the sternal wound following heart surgery: postoperative mediastinitis] Aguado JM. **Enferm Infecc Microbiol Clin** 1991 Apr;9(4):226–36 (118 ref.) **(Spa)**

SURGERY

[Infections of the mediastinum] Merkle NM, et al. **Chirurg** 1990 Sep;61(9):629–38 (18 ref.) **(Ger)**

[A report of successful treatment of mediastinitis and graft infection after ascending and aortic arch reconstruction] Harakawa I, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Oct;38(10):2112–6 (10 ref.) (Eng. Abstr.) **(Jpn)**

MEDIASTINOSCOPY

The role of mediastinoscopy and anterior mediastinotomy in determining operability of lung cancer: a review of published questions and answers [see comments] Merav AD. **Cancer Invest** 1991;9(4):439–42 (36 ref.) Comment in: Cancer Invest 1991;9(4):483.

MEDIASTINUM

[Primary mediastinal tuberculosis associated with esophageal fistula (letter)] Jiménez I, et al. **Enferm Infecc Microbiol Clin** 1989 Jun–Jul;7(6):337–8 (9 ref.) **(Spa)**

RADIATION EFFECTS

Radiation-associated valvular disease. Carlson RG, et al. **Chest** 1991 Mar;99(3):538–45 (32 ref.)

SURGERY

The role of mediastinoscopy and anterior mediastinotomy in determining operability of lung cancer: a review of published questions and answers [see comments] Merav AD. **Cancer Invest** 1991;9(4):439–42 (36 ref.) Comment in: Cancer Invest 1991;9(4):483.

MEDICAID

ECONOMICS

The impact of Medicaid on research-based care in pediatric hematology/oncology. van Eys J. **Am J Pediatr Hematol Oncol** 1991 Spring;13(1):91–6 (15 ref.)

LEGISLATION & JURISPRUDENCE

Transsexual healing: medicaid funding of sex reassignment surgery. Gordon EB. **Arch Sex Behav** 1991 Feb;20(1):61–74 (33 ref.)

New drug legislation: a response from the pharmaceutical industry. Freiman PE. **Health Aff (Millwood)** 1990 Fall; 9(3):110–3 (8 ref.)

A prescription for high drug prices [see comments] Pryor D. **Health Aff (Millwood)** 1990 Fall;9(3):101–9 (21 ref.) Comment in: Health Aff (Millwood) 1990 Winter;9(4):222.

ORGANIZATION & ADMINISTRATION

Experience of state drug benefit programs. Soumerai SB, et al. **Health Aff (Millwood)** 1990 Fall;9(3):36–54 (45 ref.)

MEDICAL ASSISTANCE, TITLE 19 see MEDICAID

MEDICAL AUDIT

Guidelines for auditing pediatric blood transfusion practices. Blanchette VS, et al. **Am J Dis Child** 1991 Jul;145(7):787–96 (132 ref.)

ABC of major trauma. Scoring systems for trauma. Yates DW. **BMJ** 1990 Nov 10;301(6760):1090–4 (0 ref.)

An audit of road traffic accident victims requiring admission to hospital. Redmond P, et al. **Ir Med J** 1990 Dec; 83(4):133–6 (10 ref.)

[Quality assurance in antenatal, perinatal and neonatal care. A medical audit] Andersen KV, et al. **Ugeskr Laeger** 1991 May 20;153(21):1498–501 (16 ref.) (Eng. Abstr.) **(Dan)**

METHODS

Audit--where do we go from here? Russell RI, et al. **Arch Dis Child** 1990 Oct;65(10):1107–8 (22 ref.)

Approaches to medical audit. Hopkins A. **J Epidemiol Community Health** 1991 Mar;45(1):1–3 (18 ref.)

Experience in medical audit: general practice. Baker R. **Postgrad Med J** 1990;66 Suppl 3:S14–6 (6 ref.)

ORGANIZATION & ADMINISTRATION

Audit. Lilford RJ. **Baillieres Clin Obstet Gynaecol** 1990 Dec; 4(4):905–9 (2 ref.)

MEDICAL CARE RESEARCH see **HEALTH SERVICES RESEARCH**

MEDICAL CARE TEAM see **PATIENT CARE TEAM**

MEDICAL CENTERS, ACADEMIC see **ACADEMIC MEDICAL CENTERS**

MEDICAL CENTERS, UNIVERSITY see **ACADEMIC MEDICAL CENTERS**

MEDICAL COMPUTER SCIENCE see **MEDICAL INFORMATICS**

MEDICAL DECISION MAKING, COMPUTER-ASSISTED see **DECISION MAKING, COMPUTER-ASSISTED**

MEDICAL DEVICES see **EQUIPMENT AND SUPPLIES**

MEDICAL ECONOMICS see **ECONOMICS, MEDICAL**

MEDICAL EDUCATION see **EDUCATION, MEDICAL**

MEDICAL EDUCATION, CONTINUING see **EDUCATION, MEDICAL, CONTINUING**

MEDICAL EDUCATION, GRADUATE see **EDUCATION, MEDICAL, GRADUATE**

MEDICAL EDUCATION, UNDERGRADUATE see **EDUCATION, MEDICAL, UNDERGRADUATE**

MEDICAL HISTORY TAKING

see related
DATA COLLECTION

History and physical examination in prostate cancer. Which information is essential in diagnosis and follow-up? Newling DW, et al. **Prog Clin Biol Res** 1990;357:151–6 (13 ref.)

METHODS

The patient's story: integrating the patient- and physician-centered approaches to interviewing. Smith RC, et al. **Ann Intern Med** 1991 Sep 15;115(6):470–7 (88 ref.)

History-taking by computer. Lilford RJ, et al. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):723–42 (41 ref.)

The screening sexual history. Getting to the problem. Cheadle MJ. **Clin Geriatr Med** 1991 Feb;7(1):9–13 (3 ref.)

History-taking in the elderly: obtaining useful information. Fields SD. **Geriatrics** 1991 Aug;46(8):26–8,34–5 (10 ref.)

MEDICAL ILLUSTRATION

Developing hospital identity manuals: a reference tool for illustrators. Schaffer JA, et al. **J Biocommun** 1990; 17(3):20–5 (21 ref.)

MEDICAL IMAGING see **DIAGNOSTIC IMAGING**

MEDICAL INDIGENCY

How can we best care for persons who are medically indigent in a world of limited resources? Mosley ML. **Issues Law Med** 1990 Fall;6(2):175–92 (67 ref.)

ECONOMICS

Expanding health insurance coverage: who will pay? Cantor JC. **J Health Polit Policy Law** 1990 Winter;15(4):755–78 (31 ref.)

STATISTICS & NUMERICAL DATA

All-payer rate-setting and the provision of hospital care to the uninsured: the New Jersey experience. Rosko MD. **J Health Polit Policy Law** 1990 Winter;15(4):815–31 (31 ref.)

TRENDS

Indigent health care in emergency medicine: an academic perspective. Lowe RA, et al. **Ann Emerg Med** 1991 Jul; 20(7):790–4 (65 ref.)

MEDICAL INFORMATICS

[Reflections on information management in clinical research] Ferrer Salvans P. **Rev Clin Esp** 1990 Jun;187(1):29–33 (33 ref.) (Eng. Abstr.) **(Spa)**

METHODS

[Methods of informatics in pathology] Iványi A. **Morphol Igazsagugyi Orv Sz** 1990 Jul;30(3):191–5 (84 ref.) (Eng. Abstr.) **(Hun)**

TRENDS

Medical informatics: an emerging medical discipline. Council on Scientific Affairs and Council on Long Range Planning and Development of the American Medical Association. **J Med Syst** 1990 Aug;14(4):161–79 (34 ref.)

MEDICAL INFORMATICS APPLICATIONS

Computer applications in orthopaedics. Pho RW, et al. **Ann Acad Med Singapore** 1990 Sep;19(5):691–8 (80 ref.)

Applications of computer technology in dentistry. Soh G, et al. **Ann Acad Med Singapore** 1990 Sep;19(5):720–3 (20 ref.)

[The main objectives in using informatics in medicine] Janecki J. **Wiad Lek** 1990 Dec 1–15;43(23–24):1127–35 (8 ref.) (Eng. Abstr.) **(Pol)**

MEDICAL INFORMATICS COMPUTING

[The main objectives in using informatics in medicine] Janecki J. **Wiad Lek** 1990 Dec 1–15;43(23–24):1127–35 (8 ref.) (Eng. Abstr.) **(Pol)**

MEDICAL INFORMATION SCIENCE see **MEDICAL INFORMATICS**

MEDICAL JURISPRUDENCE see **JURISPRUDENCE**

MEDICAL ONCOLOGY

see related
NEOPLASMS

Cancer genes: current status, future prospects, and applications in radiotherapy/oncology. Renan MJ. **Radiother Oncol** 1990 Nov;19(3):197–218 (135 ref.)

[The oncologist and his patient] Obrecht JP. **Schweiz Rundsch Med Prax** 1991 Apr 23;80(17):450–5 (0 ref.) (Eng. Abstr.) **(Ger)**

ECONOMICS

The impact of Medicaid on research-based care in pediatric hematology/oncology. van Eys J. **Am J Pediatr Hematol Oncol** 1991 Spring;13(1):91–6 (15 ref.)

METHODS

Introduction: use of tunnelled right atrial catheters in children with malignant diseases. Barr RD. **Am J Pediatr Hematol Oncol** 1991 Summer;13(2):123–5 (18 ref.)

TRENDS

Biotechnology: its impact on medicine and oncology. Borden EC. **Ann Acad Med Singapore** 1991 Mar;20(2):255–9 (17 ref.)

MEDICAL PSYCHOLOGY see **PSYCHOLOGY, MEDICAL**

MEDICAL RECORD LINKAGE

Linking and integrating computers for maternity care. Lumb M, et al. **Baillieres Clin Obstet Gynaecol** 1990 Dec; 4(4):743–70 (18 ref.)

MEDICAL RECORDS

see related
MEDICAL HISTORY TAKING

Use of health diaries with children. Butz AM, et al. **Nurs Res** 1991 Jan-Feb;40(1):59–61 (16 ref.)

Guides for record review. Acute gastroenteritis. **Pediatr Rev** 1991;Suppl:1–8 (20 ref.)

STANDARDS

[The main objectives in using informatics in medicine] Janecki J. **Wiad Lek** 1990 Dec 1–15;43(23–24):1127–35 (8 ref.) (Eng. Abstr.) **(Pol)**

MEDICAL RECORDS SYSTEMS, COMPUTERIZED

The automated anesthesia record. Gravenstein JS. **Anaesthesiol Reanim** 1991;16(1):23–30 (13 ref.)

Data collection for an obstetric department. Maresh M. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):699–710 (23 ref.)

MEDICAL RESEARCH see **RESEARCH**

MEDICAL SOCIOLOGY see **SOCIOLOGY, MEDICAL**

MEDICAL STAFF, HOSPITAL

Preparing surgery house officers for their teaching role. Sheets KJ, et al. **Am J Surg** 1991 Apr;161(4):443–9 (43 ref.)

Prevention of mumps, measles, and rubella among hospital personnel. Weber DJ, et al. **J Pediatr** 1991 Aug; 119(2):322–6 (56 ref.)

ORGANIZATION & ADMINISTRATION

Managing hospital-physician relations: a strategy scorecard. Smith HL, et al. **Health Care Manage Rev** 1990 Fall; 15(4):23–33 (66 ref.)

MEDICAL TECHNOLOGY see **TECHNOLOGY, MEDICAL**

MEDICAL WASTE

Disposal of medical waste: the New York experience under the Medical Tracking Act. Farber BF. **Infect Control Hosp Epidemiol** 1991 Apr;12(4):251–7 (9 ref.)

[Management of waste disposal in medical institutions] Horváth A. **Orv Hetil** 1991 Apr 30;132(17):919–24 (18 ref.) (Eng. Abstr.) **(Hun)**

MEDICALLY UNDERSERVED AREA

see related
HEALTH SERVICES ACCESSIBILITY

Genetic services for underserved populations. Consensus recommendations. **Birth Defects** 1990;26(2):243–56 (0 ref.)

Surplus or shortage? Unraveling the physician supply conundrum. Rosenblatt RA, et al. **West J Med** 1991 Jan; 154(1):43–50 (77 ref.)

MEDICARE

Clinical implications of screening for cervical cancer under Medicare. The natural history of cervical cancer in the elderly: what do we know? What do we need to know? Mandelblatt J, et al. **Am J Obstet Gynecol** 1991 Feb; 164(2):644–51 (61 ref.)

ECONOMICS

Understanding the cost of a catastrophic drug benefit [see comments] Schur CL, et al. **Health Aff (Millwood)** 1990 Fall;9(3):88–100 (20 ref.) Comment in: Health Aff (Millwood) 1991 Spring;10(1):210–4.

LEGISLATION & JURISPRUDENCE

Home care for the elderly. The new institution. Steel K. **Arch Intern Med** 1991 Mar;151(3):439–42 (47 ref.)

The Medicare Catastrophic Coverage Act: a post-mortem. Rice T, et al. **Health Aff (Millwood)** 1990 Fall;9(3):75–87 (13 ref.)

A review of federal home-care legislation. Keenan JM, et al. **J Am Geriatr Soc** 1990 Sep;38(9):1041–8 (36 ref.)

ORGANIZATION & ADMINISTRATION

The elderly and drug policy: coming of age. Avorn J. **Health Aff (Millwood)** 1990 Fall;9(3):6–19 (20 ref.)

The role of mail service pharmacies. Horgan C, et al. **Health Aff (Millwood)** 1990 Fall;9(3):66–74 (7 ref.)

Prescription drugs, practicing physicians, and the elderly. Lavizzo-Mourey RJ, et al. **Health Aff (Millwood)** 1990 Fall; 9(3):20–35 (35 ref.)

MEDICARE PART B

STANDARDS

Medicare reimbursement for geriatric assessment: report of the American Geriatrics Society Ad Hoc Committee on Geriatrics Assessment. Rubenstein LZ, et al. **J Am Geriatr Soc** 1991 Sep;39(9):926–31 (17 ref.)

MEDICARE SUPPLEMENTARY MEDICAL INSURANCE PROGRAM see **MEDICARE PART B**

MEDICATION ERRORS

[Pharmacologic errors in anesthesia] Peduto VA. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):269–72 (9 ref.) **(Ita)**

[Errors in antibiotic therapy] Poliak MS. **Antibiot Khimioter** 1990 Aug;35(8):48–51 (22 ref.) **(Rus)**

MEDICATION SYSTEMS

ORGANIZATION & ADMINISTRATION

Clozapine and the outmoded drug use process. Hepler CD. **Am Pharm** 1990 Dec;NS30(12):39–40 (5 ref.)

MEDICINE

Medicine and genetic engineering: just another method or a new paradigm? Drews J. **Arzneimittelforschung** 1991 Jan; 41(1):94–100 (6 ref.)

The public view of medicine. Blendon RJ. **Clin Neurosurg** 1991;37:225–31 (0 ref.)

On health and healing: community health care in India. Antia NH. **Indian J Pediatr** 1991 Mar-Apr;58(2):161–73 (10 ref.)

The potential of medicine as a resource for philosophy. Fulford KW. **Theor Med** 1991 Mar;12(1):81–5 (13 ref.)

MEDICINE, ALTERNATIVE see ALTERNATIVE MEDICINE

MEDICINE, AYURVEDIC

Ayurveda, malaria and the indigenous herbal tradition in Sri Lanka. Silva KT. **Soc Sci Med** 1991;33(2):153–60 (35 ref.)

MEDICINE, CHINESE TRADITIONAL

see related
DRUGS, CHINESE HERBAL

Artemisia annua L.: a source of novel antimalarial drugs. Woerdenbag HJ, et al. **Pharm Weekbl [Sci]** 1990 Oct 19; 12(5):169–81 (169 ref.)

[Creation and evaluation of new theoretical concepts in traditional Chinese medicine and Western medicine (I)] Chen SK. **Chung Hsi I Chieh Ho Tsa Chih** 1991 Jan; 11(1):44–6, contd (0 ref.) **(Chi)**

MEDICINE, FOLK see MEDICINE, TRADITIONAL

MEDICINE, HERBAL

see related
DRUGS, CHINESE HERBAL

Is there any danger in using traditional remedies? De Smet PA. **J Ethnopharmacol** 1991 Apr;32(1–3):43–50 (45 ref.)

Ayurveda, malaria and the indigenous herbal tradition in Sri Lanka. Silva KT. **Soc Sci Med** 1991;33(2):153–60 (35 ref.)

MEDICINE, HINDU see MEDICINE, AYURVEDIC

MEDICINE IN LITERATURE

"Scoot down to the edge of the table, hon": women's medical experiences portrayed in literature. Wear D, et al. **Pharos** 1991 Winter;54(1):7–11 (18 ref.)

[Testimonies of human pain in the literature] Albarracín Teulón A. **An R Acad Nac Med (Madr)** 1990;107(2):295–306 (43 ref.) **(Spa)**

MEDICINE, INDIGENOUS see MEDICINE, TRADITIONAL

MEDICINE, ORIENTAL TRADITIONAL

Ethnobotanical review of medicinal plants from Thai traditional books, Part II: Plants with antidiarrheal, laxative and carminative properties. Panthong A, et al. **J Ethnopharmacol** 1991 Feb;31(2):121–56 (40 ref.)

MEDICINE, PRIMITIVE see MEDICINE, TRADITIONAL

MEDICINE, TRADITIONAL

see related
HEALTH SERVICES, INDIGENOUS

Ethnobotany and the identification of therapeutic agents from the rainforest. Balick MJ. **Ciba Found Symp** 1990;154:22–31; discussion 32–9 (12 ref.)

Ethnopharmacology and the search for new drugs. Cox PA. **Ciba Found Symp** 1990;154:40–7; discussion 47–55 (8 ref.)

The role of ethnopharmacology in drug development. Farnsworth NR. **Ciba Found Symp** 1990;154:2–11; discussion 11–21 (14 ref.)

One man's poison, another man's medicine? Bisset NG. **J Ethnopharmacol** 1991 Apr;32(1–3):71–81 (61 ref.)

Plants used in traditional medicine in eastern Tanzania. IV. Angiosperms (Mimosaceae to Papilionaceae). Chhabra SC, et al. **J Ethnopharmacol** 1990 Jul;29(3):295–323 (245 ref.)

Selection of traditional medicines for study. Duñg NX, et al. **J Ethnopharmacol** 1991 Apr;32(1–3):57–70 (15 ref.)

Plants in the traditional medicine of the Ubaye Valley. Novaretti R, et al. **J Ethnopharmacol** 1990 Aug;30(1):1–34 (24 ref.)

What are the possibilities and limits of therapy with European native drugs in modern clinical medicine? Reuter HD. **J Ethnopharmacol** 1991 Apr;32(1–3):187–93 (0 ref.)

Does pharmacology corroborate the nicotine therapy and practices of South American shamanism? Wilbert J. **J Ethnopharmacol** 1991 Apr;32(1–3):179–86 (36 ref.)

An ethnomedical perspective of medical ethics. Fabrega H Jr. **J Med Philos** 1990 Dec;15(6):593–625 (65 ref.)

The efficacy of ethnomedicine: research methods in trouble [see comments] Anderson R. **Med Anthropol** 1991 Jun; 13(1–2):1–17 (67 ref.) Comment in: Med Anthropol 1991 Jun;13(1–2):137–71.

Ethnomedicine: diverse trends, common linkages [comment] Nichter M. **Med Anthropol** 1991 Jun;13(1–2):137–71 (160 ref.) Comment on: Med Anthropol 1991 Jun;13(1–2):1–17. Comment on: Med Anthropol 1991 Jun;13(1–2):19–31. Comment on: Med Anthropol 1991 Jun;13(1–2):33–55. Comment on: Med Anthropol 1991 Jun;13(1–2):57–82. Comment on: Med Anthropol 1991 Jun;13(1–2):83–97. Comment on: Med Anthropol 1991 Jun;13(1–2):99–119. Comment on: Med Anthropol 1991 Jun;13(1–2):121–32.

MEDICINE, VETERINARY see VETERINARY MEDICINE

MEDITERRANEAN FEVER, FAMILIAL see PERIODIC DISEASE

MEDITERRANEAN SPOTTED FEVER see BOUTONNEUSE FEVER

MEDPHALAN see MELPHALAN

MEDULLA OBLONGATA

ANATOMY & HISTOLOGY

Neuroanatomy of the oculomotor system. The nucleus prepositus. McCrea RA. **Rev Oculomot Res** 1988;2:203–23 (93 ref.)

PHYSIOLOGY

Tonic control of subretrofacial vasomotor neurons in the rostral ventrolateral medulla. Dampney RA, et al. **Clin Exp Pharmacol Physiol** 1991 Feb;18(2):97–100 (22 ref.)

Synaptic connections between medullary respiratory neurons and considerations on the genesis of respiratory rhythm. Ezure K. **Prog Neurobiol** 1990;35(6):429–50 (133 ref.)

[Role of the medulla in regulation of cardiovascular functions] Sun MK. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):55–8 (30 ref.) **(Chi)**

MEDULLOBLASTOMA

COMPLICATIONS

Internuclear ophthalmoplegia from intracranial tumor. Arnold AC. **J Clin Neuro Ophthalmol** 1990 Dec; 10(4):278–86 (26 ref.)

DIAGNOSIS

Cerebellar medulloblastomas in adults. Tekkök IH, et al. **Neurosurg Rev** 1991;14(2):135–40 (20 ref.)

Intracranial lymphoblastic sarcoma mimicking a primary brain tumor. Kowal-Vern A, et al. **Pediatr Neurosci** 1989; 15(3):136–8 (8 ref.)

[Medulloblastoma] Bouffet E, et al. **Pediatrie** 1991;46(1):71–8 (32 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Chemotherapy for medulloblastoma/primitive neuroectodermal tumors of the posterior fossa. Packer RJ. **Ann Neurol** 1990 Dec;28(6):823–8 (28 ref.)

GENETICS

Medulloblastoma in the nevoid basal-cell carcinoma syndrome: case reports and review of the literature. Lacombe D, et al. **Genet Couns** 1990;1(3–4):273–7 (26 ref.)

[Chromosome anomalies in brain tumors] Berthéas MF, et al. **Pediatrie** 1991;46(1):65–9 (28 ref.) (Eng. Abstr.) **(Fre)**

MORTALITY

Medulloblastoma in adulthood. Ferrante L, et al. **J Neurosurg Sci** 1991 Jan–Mar;35(1):23–30 (23 ref.)

PATHOLOGY

[Medulloblastoma: towards new prognostic factors] San-Galli F, et al. **Neurochirurgie** 1991;37(1):3–11 (79 ref.) (Eng. Abstr.) **(Fre)**

[Recent data in pathological anatomy of primary brain tumors] Tommasi M, et al. **Pediatrie** 1991;46(1):31–7 (36 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

[Growth factors and oncogenes in brain tumors: the model of glioblastoma and medulloblastoma] Frappaz D, et al. **Pediatrie** 1991;46(1):59–64 (29 ref.) (Eng. Abstr.) **(Fre)**

RADIOTHERAPY

Fibrosarcoma of the scalp following postoperative radiotherapy for medulloblastoma. Prasad ML, et al. **Acta Neurochir (Wien)** 1991;109(3–4):145–9 (22 ref.)

SECONDARY

Extracranial metastases of medulloblastoma in adults: literature review. Rochkind S, et al. **J Neurol Neurosurg Psychiatry** 1991 Jan;54(1):80–6 (100 ref.)

SURGERY

[The prognosis of medulloblastoma in adults] Cornu P, et al. **Neurochirurgie** 1990;36(4):218–24 (23 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Medulloblastoma—caution regarding new treatment approaches [editorial] Kun LE, et al. **Int J Radiat Oncol Biol Phys** 1991 Apr;20(4):897–9 (13 ref.)

Leukemia in a child with a history of medulloblastoma [see comments] Blatt J, et al. **Pediatr Hematol Oncol** 1991 Jan–Mar;8(1):77–82 (17 ref.) Comment in: Pediatr Hematol Oncol 1991 Jan–Mar;8(1):vii.

[Medulloblastoma in children. Current treatments and future perspectives] Gentet JC, et al. **Ann Pediatr (Paris)** 1991 Mar;38(3):137–41 (55 ref.) (Eng. Abstr.) **(Fre)**

MEFLOQUINE

ADVERSE EFFECTS

[Recurrent psychiatric manifestations during malaria prevention with mefloquine. A case report] Rodor F, et al. **Therapie** 1990 Sep–Oct;45(5):433–4 (6 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOKINETICS

Clinical pharmacokinetics of mefloquine. Karbwang J, et al. **Clin Pharmacokinet** 1990 Oct;19(4):264–79 (53 ref.)

MEGACOLON, CONGENITAL see HIRSCHSPRUNG DISEASE

MEGACOLON, TOXIC

THERAPY

[Toxic megacolon] Eigler FW. **Z Gastroenterol Verh** 1991 Mar;26:31–2 (14 ref.) **(Ger)**

MEGAESOPHAGUS see ESOPHAGEAL ACHALASIA

MEGAKARYOBLASTIC LEUKEMIA, ACUTE see LEUKEMIA, MEGAKARYOCYTIC, ACUTE

MEGAKARYOCYTES

CYTOLOGY

Megakaryocyte growth factors. Williams N. **Immunol Ser** 1990;49:215–29 (76 ref.)

Regulation of human megakaryocytopoiesis. Han ZC, et al. **Nouv Rev Fr Hematol** 1990;32(6):395–6 (10 ref.)

Regulation of human megakaryocytopoiesis by interacting cytokines. Hoffman R, et al. **Prog Clin Biol Res** 1990; 356:199–215 (60 ref.)

Megakaryocytopoiesis in man and laboratory animals. Conclusions derived from comparative studies and recently discovered animal models with megakaryocyte anomalies. Jackson CW, et al. **Prog Clin Biol Res** 1990;356:11–23 (54 ref.)

An overview of megakaryocytopoiesis. Levin J. **Prog Clin Biol Res** 1990;356:1–10 (25 ref.)

[Proliferation and differentiation in megakaryopoiesis] Kanz L, et al. **Verh Dtsch Ges Pathol** 1990;74:28–35 (36 ref.) (Eng. Abstr.) **(Ger)**

[Development, structure and maturation of megakaryocytes. I.] Podolak-Dawidziak M. **Pol Arch Med Wewn** 1991 Feb; 85(2):128–33 (39 ref.) **(Pol)**

DRUG EFFECTS

Stimulators of megakaryocyte development and platelet production. Williams N. **Prog Growth Factor Res** 1990; 2(2):81–95 (110 ref.)

Numerous growth factors can influence in vitro megakaryocytopoiesis. Hoffman R, et al. **Yale J Biol Med** 1990 Sep–Oct;63(5):411–8 (64 ref.)

METABOLISM

Platelet GPIIb as a marker for megakaryocytopoiesis. Marguerie G, et al. **Prog Clin Biol Res** 1990;356:55–64 (19 ref.)

Molecular biology of the megakaryocyte-specific gene platelet factor 4. Poncz M. **Prog Clin Biol Res** 1990; 356:65–76 (33 ref.)

Proteoglycans in megakaryocyte development. Schick BP. **Prog Clin Biol Res** 1990;356:93–104 (42 ref.)

MICROBIOLOGY

Retroviral antigen expression on megakaryocytes and platelets: possible implications in the pathogenesis of thrombocytopenia. Grau GE, et al. **Prog Clin Biol Res** 1990;356:275–86 (23 ref.)

PATHOLOGY

Megakaryocytes and thrombopoiesis in vascular disease. Martin JF. **Prog Clin Biol Res** 1990;356:319–31 (26 ref.)

Inherited disorders of platelets and megakaryocytes. Nurden AT, et al. **Prog Clin Biol Res** 1990;356:333–46 (35 ref.)

Megakaryocytopoiesis in haematological disorders: diagnostic features of bone marrow biopsies. An overview. Thiele J, et al. **Virchows Arch [A]** 1991;418(2):87–97 (113 ref.)

[Megakaryocytopoiesis in different blood diseases. II.] Podolak-Dawidziak M. **Pol Arch Med Wewn** 1991 Feb; 85(2):134–8 (39 ref.) **(Pol)**

PHYSIOLOGY

The clinical spectrum of thrombocytosis and thrombocythemia. Frenkel EP. **Am J Med Sci** 1991 Jan; 301(1):69–80 (95 ref.)

MEGAKARYOCYTES

ULTRASTRUCTURE

Control and implications of polyploidization in human megakaryocytes. Mazur EM. **Prog Clin Biol Res** 1990; 356:231–44 (22 ref.)

Delivery of platelets from megakaryocytes. White JG. **Prog Clin Biol Res** 1990;356:25–39 (13 ref.)

MEGAKARYOCYTIC LEUKEMIA, ACUTE see **LEUKEMIA, MEGAKARYOCYTIC, ACUTE**

MEGAVITAMIN THERAPY see **ORTHOMOLECULAR THERAPY**

MEGAVOLT RADIOTHERAPY see **RADIOTHERAPY, HIGH ENERGY**

MEGESTROL

ANALOGS & DERIVATIVES

Overview of hormonal therapy in advanced breast cancer. Schacter LP, et al. **Semin Oncol** 1990 Dec;17(6 Suppl 9):38–46 (57 ref.)

MEGLUMINE

ANALOGS & DERIVATIVES

Neurochemical actions of CCK underlying the therapeutic potential of CCK–B antagonists. Hughes J, et al. **Neuropeptides** 1991 Jul;19 Suppl:85–9 (34 ref.)

DIAGNOSTIC USE

Gadopentetate dimeglumine–enhanced MR imaging of the musculoskeletal system. Beltran J, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):457–66 (58 ref.)

[Ionic and non–ionic contrast media] Bryc S. **Ann Univ Mariae Curie Sklodowska [Med]** 1986;41:145–56 (29 ref.) (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

[Visceral leishmaniasis of favourable course in a patient with renal transplantation] Le Cacheux P, et al. **Rev Med Interne** 1990 May–Jun;11(3):250–1 (10 ref.) (Eng. Abstr.) **(Fre)**

MEGLUMINE IOTHALAMATE see **IOTHALAMATE MEGLUMINE**

MEIBOMIAN GLANDS

Sebaceous and meibomian carcinomas of the eyelid. Recognition, diagnosis, and management. Khan JA, et al. **Ophthal Plast Reconstr Surg** 1991;7(1):61–6 (47 ref.)

MEIGS' SYNDROME

DIAGNOSIS

Pseudo–Meigs' syndrome secondary to broad ligament leiomyoma: a case report. Buckshee K, et al. **Asia Oceania J Obstet Gynaecol** 1990 Sep;16(3):201–5 (15 ref.)

PHYSIOPATHOLOGY

Melatonin secretion and the pathophysiology of Meige's disease (idiopathic orofacial dystonia): a hypothesis. Sandyk R, et al. **Funct Neurol** 1990 Apr–Jun;5(2):165–70 (56 ref.)

MEIOSIS

see related
MATURATION–PROMOTING FACTOR

The topology of meiotic chiasmata prevents terminalization. Hultén MA. **Ann Hum Genet** 1990 Oct;54 (Pt 4):307–14 (33 ref.)

Protein kinase cascades in meiotic and mitotic cell cycle control. Pelech SL, et al. **Biochem Cell Biol** 1990 Dec; 68(12):1297–330 (436 ref.)

Why is Mendelian segregation so exact? Crow JF. **Bioessays** 1991 Jun;13(6):305–12 (312 ref.)

The initiation of meiotic chromosome pairing: the cytological view. Loidl J. **Genome** 1990 Dec;33(6):759–78 (138 ref.)

Ultrastructural correlates of meiotic maturation in mammalian oocytes. McGaughey RW, et al. **J Electron Microsc Tech** 1990 Dec;16(4):257–80 (77 ref.)

Post–meiotic gene expression. Erickson RP. **Trends Genet** 1990 Aug;6(8):264–9 (40 ref.)

[The regulation of meiotic inhibition and reinitiation in mammalian oocytes] Vorob'eva OA. **Tsitologiia** 1990; 32(5):422–41 (115 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Prediction of mammalian meiotic synaptic and recombinational behavior of inversion heterozygotes based on mitotic breakpoint data and the possible evolutionary consequences. Ashley T. **Genetica** 1990;83(1):1–7 (22 ref.)

Cytogenetic studies in male infertility: a review. De Braekeleer M, et al. **Hum Reprod** 1991 Feb;6(2):245–50 (86 ref.)

Genetic variation and the meiotic process. Dintzis RZ. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:39–46 (0 ref.)

PHYSIOLOGY

Facts and hypotheses of calcium regulation of MPF activity during meiotic maturation of starfish oocytes. Dorée M, et al. **J Reprod Fertil Suppl** 1990;42:135–40 (57 ref.)

MEISSNER'S PLEXUS see **SUBMUCOUS PLEXUS**

MELANCHOLIA see **DEPRESSIVE DISORDER**

MELANINS

Melanin–concentrating hormone: a general vertebrate neuropeptide. Baker BI. **Int Rev Cytol** 1991;126:1–47 (117 ref.)

METABOLISM

The effects of ultraviolet exposure on skin melanin pigmentation. Ortonne JP. **J Int Med Res** 1990;18 Suppl 3:8C–17C (59 ref.)

The role of monoamine oxidase, iron–melanin interaction, and intracellular calcium in Parkinson's disease. Youdim MB, et al. **J Neural Transm Suppl** 1990;32:239–48 (39 ref.)

PHYSIOLOGY

The epidermal melanin unit in the pathophysiology of malignant melanoma. Jimbow K, et al. **Am J Dermatopathol** 1991 Apr;13(2):179–88 (65 ref.)

Photoprotection by melanin. Kollias N, et al. **J Photochem Photobiol B** 1991 May;9(2):135–60 (105 ref.)

Melanin as a virulence factor in pathogenic fungi. Polak A. **Mycoses** 1990 May;33(5):215–24 (25 ref.)

MELANOCYTE–STIMULATING HORM RELEASE INHIBITING HORMONE see **MSH RELEASE INHIBITING HORMONE**

MELANOCYTE–STIMULATING HORMONES see **MSH**

MELANOCYTES

CHEMISTRY

Growth factors and tyrosine protein kinases in normal and malignant melanocytes. Halaban R. **Cancer Metastasis Rev** 1991 Jun;10(2):129–40 (128 ref.)

CYTOLOGY

The origin of epidermal melanocytes. Implications for the histogenesis of nevi and melanomas. Cramer SF. **Arch Pathol Lab Med** 1991 Feb;115(2):115–9 (68 ref.)

Growth factors regulating normal and malignant melanocytes. Halaban R. **Cancer Treat Res** 1991;54:19–40 (116 ref.)

Colour genes, oncogenes and melanocyte differentiation. Bennett DC. **J Cell Sci** 1991 Feb;98 (Pt 2):135–9 (40 ref.)

[Genetic control over the determination and proliferation of melanocyte stem cells in mammals] Koniukhov BV. **Ontogenez** 1991 Mar–Apr;22(2):167–75 (47 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Antigens of melanocytes and melanoma. Lynch SA, et al. **Cancer Metastasis Rev** 1991 Jun;10(2):141–50 (38 ref.)

PATHOLOGY

Histopathologic diagnosis of pigmented lesions of the skin. González SB. **Pathol Res Pract** 1991 May;187(4):387–431 (192 ref.)

PHYSIOLOGY

The epidermal melanin unit in the pathophysiology of malignant melanoma. Jimbow K, et al. **Am J Dermatopathol** 1991 Apr;13(2):179–88 (65 ref.)

Regulation of growth and phenotype of normal human melanocytes in culture. Valyi–Nagy IT, et al. **Cancer Treat Res** 1991;54:85–101 (58 ref.)

MELANOMA

Primary melanoma of the cervix uteri, an avis rara? A review of the literature. Vleugels MP, et al. **Acta Obstet Gynecol Scand** 1990;69(3):259–64 (28 ref.)

An exchange of ideas about dysplastic nevi and malignant melanomas. Ackerman AB, et al. **Am J Dermatopathol** 1985;7 Suppl:99–105 (0 ref.)

Regression of malignant melanoma. Is it present as frequently as it is invoked? Rywlin AM. **Am J Dermatopathol** 1985; 7 Suppl:183–5 (11 ref.)

Human cutaneous malignant melanoma as a model for cancer. Clark WH Jr. **Cancer Metastasis Rev** 1991 Jun;10(2):83–8 (17 ref.)

Melanoma in pregnancy. Wong DJ, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):782–91 (57 ref.)

Head and neck melanoma. Smith JF. **Ear Nose Throat J** 1991 Mar;70(3):143–52 (99 ref.)

Oral melanoma and other pigmented lesions of the oral cavity. Eisen D, et al. **J Am Acad Dermatol** 1991 Apr; 24(4):527–37 (121 ref.)

Malignant melanoma as a model for cancer education and prevention. 1989 Harvey lecture American Association for Cancer Education. Robinson WA. **J Cancer Educ** 1990; 5(2):85–9 (22 ref.)

Cutaneous melanoma. Koh HK. **N Engl J Med** 1991 Jul 18; 325(3):171–82 (190 ref.)

Important melanocytic lesions in childhood and adolescence. Roth ME, et al. **Pediatr Clin North Am** 1991 Aug; 38(4):791–809 (149 ref.)

Cutaneous malignant melanoma. Lawler PE. **Semin Oncol Nurs** 1991 Feb;7(1):26–35 (81 ref.)

Malignant melanoma and pigmented lesions: a diagnostic and management dilemma. Sina B, et al. **South Med J** 1990 Oct;83(10):1218–23 (20 ref.)

Malignant melanoma. Raich PC. **W V Med J** 1990 Dec; 86(12):556–60 (15 ref.)

[Achromic ungual melanoma. Apropos of a case] Filloux JF, et al. **Ann Chir Main Memb Super** 1991;10(2):181–3 (18 ref.) (Eng. Abstr.) **(Fre)**

[Amelanotic melanoma. Study of 18 cases] Rutowitsch MS, et al. **Med Cutan Ibero Lat Am** 1990;18(1):49–57 (43 ref.) (Eng. Abstr.) **(Por)**

CHEMICALLY INDUCED

[Puva therapy and carcinogenesis] Thomas P, et al. **Ann Dermatol Venereol** 1991;118(6–7):503–6 (27 ref.) **(Fre)**

CHEMISTRY

Growth factors and tyrosine protein kinases in normal and malignant melanocytes. Halaban R. **Cancer Metastasis Rev** 1991 Jun;10(2):129–40 (128 ref.)

Cell adhesion receptor expression during melanoma progression and metastasis. Hart IR, et al. **Cancer Metastasis Rev** 1991 Jun;10(2):115–28 (119 ref.)

COMPLICATIONS

The infrequent association of systemic lupus erythematosus and solid tumors. Sulkes A, et al. **Cancer** 1991 Sep 15; 68(6):1389–93 (35 ref.)

[Acute neutrophilic febrile dermatosis (Sweet syndrome) associated with melanoma] Sánchez Conejo–Mir J, et al. **Med Cutan Ibero Lat Am** 1990;18(3):155–8 (16 ref.) (Eng. Abstr.) **(Spa)**

CONGENITAL

Congenital malignant melanoma. Ishii N, et al. **Br J Dermatol** 1991 May;124(5):492–4 (13 ref.)

Congenital malignant melanoma of the eye. Broadway D, et al. **Cancer** 1991 May 15;67(10):2642–52 (50 ref.)

DIAGNOSIS

Malignant melanoma in the 1990s: the continued importance of early detection and the role of physician examination and self–examination of the skin. Friedman RJ, et al. **CA Cancer J Clin** 1991 Jul–Aug;41(4):201–26 (84 ref.)

Pitfalls in the clinical application of monoclonal antibodies in malignant melanoma: modulation by and impaired accessibility of antigens to monoclonal antibodies. Tilgen W, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):357–71 (45 ref.)

Diagnosis, detection, and staging of cutaneous malignant melanoma. MacKie RM. **Curr Opin Oncol** 1990 Apr; 2(2):394–6 (22 ref.)

Risk factors, diagnosis, and detection of melanoma. MacKie RM. **Curr Opin Oncol** 1991 Apr;3(2):360–3 (18 ref.)

Medical surveillance for melanoma at the Lawrence Livermore National Laboratory. Wald PH, et al. **Occup Med** 1990 Jul–Sep;5(3):607–16 (16 ref.)

[Revised consensus melanoma of the skin] Rampen FH, et al. **Ned Tijdschr Geneeskd** 1990 Oct 20;134(42):2031–3 (2 ref.) (Eng. Abstr.) **(Dut)**

[Primary malignant melanoma of the oral cavity: a case report and review] Hoenig JF, et al. **Schweiz Monatsschr Zahnmed** 1991;101(8):997–1001 (45 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Recombinant interleukin–2 and other types of treatment of advanced malignant melanoma. Thatcher N. **Curr Opin Oncol** 1991 Apr;3(2):364–76 (91 ref.)

Role of interferons in the therapy of melanoma. Kirkwood JM, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):180S–184S (32 ref.)

Clinical evaluation of interferons in malignant melanoma. McLeod GR, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):185S–187S (15 ref.)

EPIDEMIOLOGY

The rising incidence of cutaneous malignant melanoma. Lee JA. **Am J Dermatopathol** 1985;7 Suppl:35–9 (23 ref.)

Etiology, epidemiology, and prognosis of melanoma and skin neoplasms. Lee JA. **Curr Opin Oncol** 1990 Apr;2(2):388–93 (37 ref.)

Etiology and epidemiology of melanoma and skin neoplasms. Osterlind A. **Curr Opin Oncol** 1991 Apr;3(2):355–9 (26 ref.)

Primary malignant melanoma of the uterine cervix: case report and review of the literature. Pinedo F, et al. **Gynecol Obstet Invest** 1991;31(2):121–4 (45 ref.)

The management of congenital pigmented nevi. Everett MA. **J Okla State Med Assoc** 1991 May;84(5):213–8 (42 ref.)
Primary malignant melanoma of the scrotum: case report and literature review. Davis NS, et al. **J Urol** 1991 May; 145(5):1056–7 (15 ref.)
Primary malignant melanoma of the uterine cervix: two case reports and a century's review. Santoso JT, et al. **Obstet Gynecol Surv** 1990 Nov;45(11):733–40 (43 ref.)
Melanoma and nonmelanoma skin cancer: epidemiology and risk factors. Fraser MC, et al. **Semin Oncol Nurs** 1991 Feb; 7(1):2–12 (72 ref.)

ETIOLOGY

Experimental studies of melanoma and other skin neoplasms. Albino AP. **Curr Opin Oncol** 1990 Apr;2(2):371–6 (17 ref.)
Etiology, epidemiology, and prognosis of melanoma and skin neoplasms. Lee JA. **Curr Opin Oncol** 1990 Apr;2(2):388–93 (37 ref.)
A commentary on an association of malignant melanoma with nonultraviolet radiation exposure [letter] Krain LS. **Health Phys** 1991 Mar;60(3):457–8 (13 ref.)
Photocarcinogenesis in the skin. Jung EG. **J Dermatol** 1991 Jan;18(1):1–10 (19 ref.)
Tanning with UVB or UVA: an appraisal of risks. Diffey BL, et al. **J Photochem Photobiol B** 1991 Jan;8(2):219–23 (17 ref.)
Solar ultraviolet radiation effects on biological systems. Diffey BL. **Phys Med Biol** 1991 Mar;36(3):299–328 (164 ref.)
The influence of female hormones on malignant melanoma. Franceschi S, et al. **Tumori** 1990 Oct 31;76(5):439–49 (90 ref.)
[Skin pigmentation, nevi and sunshine as etiological factors in cutaneous malignant melanoma] Osterlind A, et al. **Nord Med** 1990;105(8–9):223–9 (30 ref.) (Eng. Abstr.) **(Dan)**
[Risk evaluation of stratospheric ozone depletion resulting from chlorofluorocarbons (CFC) on human health] Ando M. **Nippon Eiseigaku Zasshi** 1990 Dec;45(5):947–53 (20 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

A medical and genetic critique of the familial atypical multiple mole melanoma syndrome and the dysplastic nevus syndrome. Lynch HT, et al. **Am J Dermatopathol** 1985;7 Suppl:107–16 (21 ref.)
Cytogenetics of human malignant melanoma. Trent JM. **Cancer Metastasis Rev** 1991 Jun;10(2):103–13 (47 ref.)
Genetics of melanoma. Fountain JW, et al. **Cancer Surv** 1990; 9(4):645–71 (123 ref.)
Cytogenetic analysis in melanoma and nevi. Cowan JM, et al. **Cancer Treat Res** 1991;54:3–16 (48 ref.)
Mutational analysis of human NRAS genes in malignant melanoma: rapid methods for oligonucleotide hybridization and manual and automated direct sequencing of products generated by the polymerase chain reaction. Dicker AP, et al. **Genes Chromosom Cancer** 1990 Mar;1(4):257–69 (37 ref.)

IMMUNOLOGY

Spontaneous regression of metastatic melanoma. Hurwitz PJ. **Ann Plast Surg** 1991 Apr;26(4):403–6 (33 ref.)
Antigens of melanocytes and melanoma. Lynch SA, et al. **Cancer Metastasis Rev** 1991 Jun;10(2):141–50 (38 ref.)
Human autologous tumor-specific T cells in malignant melanoma. Platsoucas CD. **Cancer Metastasis Rev** 1991 Jun;10(2):151–76 (180 ref.)
Ganglioside antigens in tissue sections of skin, naevi, and melanoma--implications for treatment of melanoma. Hersey P. **Cancer Treat Res** 1991;54:137–51 (48 ref.)
Modulation of melanoma antigens by interferons. Murray JL, et al. **Cancer Treat Res** 1991;54:153–67 (41 ref.)
Human melanoma-associated antigens. Graf LH Jr, et al. **Immunol Ser** 1989;43:643–79 (147 ref.)
Melanoma and immunity. Rheins LA, et al. **Immunol Ser** 1989;46:769–87 (70 ref.)

METABOLISM

Growth factors in melanoma. Rodeck U, et al. **Cancer Metastasis Rev** 1991 Jun;10(2):89–101 (92 ref.)
Growth factors regulating normal and malignant melanocytes. Halaban R. **Cancer Treat Res** 1991;54:19–40 (116 ref.)

PATHOLOGY

Primary malignant melanoma of the lower respiratory tract. Report of a case and literature review. Jennings TA, et al. **Am J Clin Pathol** 1990 Nov;94(5):649–55 (41 ref.)
Biopsies of nails. Melanonychia striata in longitudinem. Tom DW, et al. **Am J Dermatopathol** 1985;7 Suppl:161–3 (19 ref.)
Malignant melanoma of the gallbladder. Case report and review of the literature. Guerini A, et al. **Arch Anat Cytol Pathol** 1990;38(4):168–70 (21 ref.)
The origin of epidermal melanocytes. Implications for the histogenesis of nevi and melanomas. Cramer SF. **Arch Pathol Lab Med** 1991 Feb;115(2):115–9 (68 ref.)
Current controversies in melanoma pathology. MacKie RM. **Australas J Dermatol** 1989;30(2):61–4 (11 ref.)
Amelanotic lentigo malignant melanoma: a case report and review of the literature. Irwin MS, et al. **Br J Plast Surg** 1991 May–Jun;44(4):312–4 (9 ref.)
Malignant melanoma arising in a dermoid cyst of the ovary. Ueda Y, et al. **Cancer** 1991 Jun 15;67(12):3141–5 (20 ref.)
Human melanoma: development and progression. Herlyn M. **Cancer Metastasis Rev** 1990 Sep;9(2):101–12 (31 ref.)
Phorbol esters and growth regulation in metastatic melanoma cells. Coppock DL, et al. **Cancer Treat Res** 1991;54:67–83 (45 ref.)
Diagnosis, detection, and staging of cutaneous malignant melanoma. MacKie RM. **Curr Opin Oncol** 1990 Apr; 2(2):394–6 (22 ref.)
Melanomas and other skin neoplasms. Pathology and case reports [published erratum appears in Curr Opin Oncol 1990 Oct;2(5):1011] Ruiter DJ. **Curr Opin Oncol** 1990 Apr; 2(2):377–87 (30 ref.)
Xeroderma pigmentosum group D patient bearing lentigo maligna without neurological symptoms. Fukuro S, et al. **Dermatologica** 1990;181(2):129–33 (18 ref.)
Comparative imaging of structure and metabolites in tumours. Mueller-Klieser W, et al. **Int J Radiat Biol** 1991 Jul–Aug;60(1–2):147–59 (40 ref.)
Polypoid melanoma: a virulent variant of nodular melanoma. Report of three cases and literature review. Plotnick H, et al. **J Am Acad Dermatol** 1990 Nov;23(5 Pt 1):880–4 (16 ref.)
Amelanotic malignant melanoma of the esophagus: case report and review of the literature. Taniyama K, et al. **Jpn J Clin Oncol** 1990 Sep;20(3):286–95 (41 ref.)
Primary acquired melanosis of the conjunctiva is melanoma in situ. Ackerman AB, et al. **Mod Pathol** 1991 Mar; 4(2):253–63 (25 ref.)
Ideas in pathology. Malignant melanoma in situ: the evolution of a concept. Dubow BE, et al. **Mod Pathol** 1990 Nov; 3(6):734–44 (31 ref.)
Primary malignant melanoma in the parotid gland. Bahar M, et al. **Oral Surg Oral Med Oral Pathol** 1990 Nov; 70(5):627–30 (16 ref.)
Malignant melanoma of the oral cavity. A case report. Feckitt NS, et al. **Oral Surg Oral Med Oral Pathol** 1990 Aug; 70(2):161–4 (9 ref.)
Malignant melanoma of the penis. A report of four cases. Zurrida S, et al. **Tumori** 1990 Dec 31;76(6):599–602 (28 ref.)
Primary malignant melanoma of male urethra. Calcagno L, et al. **Urology** 1991 Apr;37(4):366–8 (24 ref.)
[Malignant melanoma of the vulva and vagina (a report of 4 cases and review of the literature)] Chakalova G, et al. **Akush Ginekol (Sofiia)** 1990;29(6):30–3 (14 ref.) (Eng. Abstr.) **(Bul)**
[Surgery of pulmonary metastasis from malignant melanoma. Results and criteria of surgical excision] Delaunay MM, et al. **Ann Dermatol Venereol** 1991;118(4):287–95 (38 ref.) (Eng. Abstr.) **(Fre)**
[Pulmonary metastasis of malignant melanoma] Delaunay MM, et al. **Ann Dermatol Venereol** 1991;118(4):307–14 (61 ref.) **(Fre)**
[Brain metastases of malignant melanomas] Boaziz C, et al. **Bull Cancer (Paris)** 1991;78(4):347–53 (32 ref.) (Eng. Abstr.) **(Fre)**
[Malignant melanoma: hepatic intra-arterial chemotherapy] Khayat D, et al. **Pathol Biol (Paris)** 1990 Oct;38(8):872–5 (25 ref.) **(Fre)**
[Diagnostic criteria in epiluminescence microscopy. Consensus meeting of the professional committee of analytic morphology of the Society of Dermatologic Research, 17 November 1989 in Hamburg] Bahmer FA, et al. **Hautarzt** 1990 Sep;41(9):513–4 (19 ref.) **(Ger)**
[A case of malignant melanoma of the penis] Watanabe T, et al. **Hinyokika Kiyo** 1991 Jun;37(6):637–9 (8 ref.) (Eng. Abstr.) **(Jpn)**
[A case of melanosis ovarii et peritonei] Kagiya A, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1990 Nov; 42(11):1571–4 (15 ref.) **(Jpn)**

PHYSIOPATHOLOGY

The epidermal melanin unit in the pathophysiology of malignant melanoma. Jimbow K, et al. **Am J Dermatopathol** 1991 Apr;13(2):179–88 (65 ref.)
Cytokines and human malignant melanoma. Immuno- and growth-regulatory peptides in melanoma biology. Köck A, et al. **Cancer Treat Res** 1991;54:41–66 (172 ref.)
[Importance and function of the melanocyte-stimulating hormone in malignant melanoma. Importance of MSH] Beyer C, et al. **Dermatol Monatsschr** 1990;176(10):589–96 (38 ref.) (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

The clinical status of immunoscintigraphy with monoclonal antibodies in ocular melanoma. Schaling DF, et al. **Int J Biol Markers** 1991 Jan–Mar;6(1):25–30 (44 ref.)
[Immunoscintigraphy of malignant melanoma] Nicol L, et al. **Pathol Biol (Paris)** 1990 Oct;38(8):866–9 (19 ref.) (Eng. Abstr.) **(Fre)**

RADIOTHERAPY

An overview of the role of radiation therapy and hyperthermia in treatment of malignant melanoma. Shidnia H, et al. **Adv Exp Med Biol** 1990;267:531–45 (35 ref.)
Surgery and radiotherapy for melanoma and skin neoplasms. Lejeune FJ. **Curr Opin Oncol** 1990 Apr;2(2):407–14 (34 ref.)
The optimal radiation dose per fraction for the treatment of malignant melanomas [editorial] Trott KR. **Int J Radiat Oncol Biol Phys** 1991 Apr;20(4):905–7 (16 ref.)
[Role and methods of radiotherapy in the treatment of malignant melanoma] Delaunay MM, et al. **Ann Dermatol Venereol** 1991;118(5):393–400 (43 ref.) **(Fre)**
[Maculopathy caused by irradiation in patients treated for choroid melanoma] Haye C, et al. **Ophtalmologie** 1990 May–Jun;4(3):229–31 (18 ref.) (Eng. Abstr.) **(Fre)**
[Radiotherapy of malignant melanoma] Patrício MB, et al. **Acta Med Port** 1990 May–Jun;3(3):191–3 (19 ref.) (Eng. Abstr.) **(Por)**

SECONDARY

Cell adhesion receptor expression during melanoma progression and metastasis. Hart IR, et al. **Cancer Metastasis Rev** 1991 Jun;10(2):115–28 (119 ref.)
Experimental model of human melanoma metastases. Herlyn D, et al. **Cancer Treat Res** 1991;54:105–18 (51 ref.)
Late metastases of cutaneous melanoma: case report and literature review. Boi S, et al. **J Am Acad Dermatol** 1991 Feb;24(2 Pt 2):335–8 (27 ref.)

SURGERY

The current management of cutaneous melanoma. Ross MI, et al. **Adv Surg** 1991;24:139–200 (253 ref.)
Evolution of surgery for malignant melanoma. Roses DF. **Am J Dermatopathol** 1985;7 Suppl:193–5 (17 ref.)
Margins of of resection of malignant melanomas that are less than the hitherto conventional "wide and deep" margins are not advisable as yet. Veronesi U, et al. **Am J Dermatopathol** 1985;7 Suppl:123–6 (16 ref.)
Surgery and radiotherapy for melanoma and skin neoplasms. Lejeune FJ. **Curr Opin Oncol** 1990 Apr;2(2):407–14 (34 ref.)
Current management of vulvar melanoma. Phillips GL. **Oncology (Williston Park)** 1990 Sep;4(9):61–4; discussion 66, 68 (22 ref.)
Current status of the surgical treatment of melanoma. Jewell WR. **Surg Annu** 1991;23 Pt 1:57–72 (67 ref.)

THERAPY

An overview of the role of radiation therapy and hyperthermia in treatment of malignant melanoma. Shidnia H, et al. **Adv Exp Med Biol** 1990;267:531–45 (35 ref.)
Malignant melanoma. Smyth JF. **Cancer Chemother Biol Response Modif** 1990;11:531–43 (75 ref.)
Recombinant interleukin-2: a biological response modifier [see comments] Kintzel PE, et al. **Clin Pharm** 1991 Feb; 10(2):110–28 (142 ref.) Comment in: Clin Pharm 1991 Feb;10(2):141–2.
Melanomas and other skin neoplasms. Chemotherapy and new treatments. Rümke P. **Curr Opin Oncol** 1990 Apr; 2(2):397–406 (42 ref.)
Systemic therapy of advanced metastatic malignant melanoma with a combination of fibroblast interferon-beta and recombinant interferon-gamma. Kowalzick L, et al. **Dermatologica** 1990;181(4):298–303 (36 ref.)
Melanoma: the development of immunoconjugates from a preclinical viewpoint. Beaumier PL, et al. **Immunol Ser** 1990;53:297–316 (62 ref.)
Disseminated malignant melanoma. New therapeutic approaches. Stadler R, et al. **Int J Dermatol** 1991 Apr; 30(4):239–42 (34 ref.)
Interleukin-2, killer cells and cancer therapy: an overview. Parkinson DR, et al. **Nat Immun Cell Growth Regul** 1990; 9(4):237–41 (22 ref.)
Lessons from the clinical trials of interleukin-2. Parkinson DR. **Nat Immun Cell Growth Regul** 1990;9(4):242–52 (61 ref.)
[Thermoradiotherapy of malignant choroid melanoma. Development of a new microwave hyperthermia system] Riedel KG, et al. **Fortschr Ophthalmol** 1990;87(6):543–50 (40 ref.) (Eng. Abstr.) **(Ger)**
[Hyperthermic-antiblastic isolation perfusion for advanced melanoma of the limbs. The technic, immediate results and a review of the literature] Decian F, et al. **Minerva Chir** 1990 Oct 15;45(19):1227–37 (50 ref.) (Eng. Abstr.) **(Ita)**

VETERINARY

Comparative aspects of cutaneous melanocytic neoplasms in the dog. Dunstan RW, et al. **Am J Dermatopathol** 1985;7 Suppl:197–201 (17 ref.)
Benign and malignant melanocytic neoplasms of domestic animals. Goldschmidt MH. **Am J Dermatopathol** 1985;7 Suppl:203–12 (36 ref.)

MELANOMA, B16 see **MELANOMA, EXPERIMENTAL**

MELANOMA, CLOUDMAN S91 see **MELANOMA, EXPERIMENTAL**

MELANOMA, EXPERIMENTAL

ETIOLOGY

Photoimmunology of experimental melanoma. Donawho CK, et al. **Cancer Metastasis Rev** 1991 Jun;10(2):177–88 (32 ref.)

IMMUNOLOGY

Photoimmunology of experimental melanoma. Donawho CK, et al. **Cancer Metastasis Rev** 1991 Jun;10(2):177–88 (32 ref.)

SECONDARY

Experimental model of human melanoma metastases. Herlyn D, et al. **Cancer Treat Res** 1991;54:105–18 (51 ref.)

MELANOMA, HARDING–PASSEY see **MELANOMA, EXPERIMENTAL**

MELANOSIS

CHEMICALLY INDUCED

Hemorrhagic colitis and pseudomelanosis coli in ipecac ingestion by proxy. Johnson JE, et al. **J Pediatr Gastroenterol Nutr** 1991 May;12(4):501–6 (26 ref.)

PATHOLOGY

Melanosis coli: a case report in a trauma patient and review of the literature. Sosa JL, et al. **Am Surg** 1991 Jun; 57(6):378–80 (12 ref.)

Primary acquired melanosis of the conjunctiva is melanoma in situ. Ackerman AB, et al. **Mod Pathol** 1991 Mar; 4(2):253–63 (25 ref.)

MELANOSOMES see **MELANOCYTES**

MELANOTROPIN see **MSH**

MELASMA see **MELANOSIS**

MELATONIN

ANALYSIS

Melatonin in humans, neuroendocrinological and pharmacological aspects. Claustrat B, et al. **Int J Rad Appl Instrum [B]** 1990;17(7):625–32 (60 ref.)

BIOSYNTHESIS

Retinal melatonin and dopamine in seasonal affective disorder. Oren DA. **J Neural Transm Gen Sect** 1991; 83(1–2):85–95 (69 ref.)

BLOOD

Melatonin secretion and the pathophysiology of Meige's disease (idiopathic orofacial dystonia): a hypothesis. Sandyk R, et al. **Funct Neurol** 1990 Apr–Jun;5(2):165–70 (56 ref.)

Plasma melatonin as a measure of the human clock [editorial] Rosenthal NE. **J Clin Endocrinol Metab** 1991 Aug; 73(2):225–6 (7 ref.)

METABOLISM

Melatonin receptors. Krause DN, et al. **Annu Rev Pharmacol Toxicol** 1991;31:549–68 (98 ref.)

PHARMACOLOGY

Testicular function of sexually immature rats chronically treated with melatonin. Olivares AN, et al. **Arch Biol Med Exp (Santiago)** 1989 Dec;22(4):387–93 (22 ref.)

PHYSIOLOGY

A novel biochemical model linking dysfunctions in brain melatonin, proopiomelanocortin peptides, and serotonin in autism. Chamberlain RS, et al. **Biol Psychiatry** 1990 Nov 1;28(9):773–93 (150 ref.)

Pineal melatonin: cell biology of its synthesis and of its physiological interactions. Reiter RJ. **Endocr Rev** 1991 May;12(2):151–80 (383 ref.)

Pineal melatonin functions: possible relevance to Parkinson's disease. Sandyk R. **Int J Neurosci** 1990 Jan;50(1–2):37–53 (164 ref.)

Possible role of pineal melatonin in the mechanisms of aging. Sandyk R. **Int J Neurosci** 1990 May;52(1–2):85–92 (54 ref.)

Tardive dyskinesia in bipolar disorders: possible role of pineal melatonin. Sandyk R. **Int J Neurosci** 1990 Jun; 52(3–4):233–8 (56 ref.)

MIF-induced augmentation of melatonin functions: possible relevance to mechanisms of action of MIF-1 in movement disorders. Sandyk R. **Int J Neurosci** 1990 May; 52(1–2):59–65 (55 ref.)

Mechanisms of action of ECT in Parkinson's disease: possible role of pineal melatonin. Sandyk R. **Int J Neurosci** 1990 Jan;50(1–2):83–94 (91 ref.)

Melatonin and the human gonadotrophin-releasing hormone pulse generator. Silman R. **J Endocrinol** 1991 Jan; 128(1):7–11 (44 ref.)

Melatonin: a chronobiotic with anti-aging properties? Armstrong SM, et al. **Med Hypotheses** 1991 Apr; 34(4):300–9 (127 ref.)

Melatonin: time in a bottle. Cassone VM. **Oxf Rev Reprod Biol** 1990;12:319–67 (268 ref.)

Pineal melatonin in schizophrenia: a review and hypothesis. Sandyk R, et al. **Schizophr Bull** 1990;16(4):653–62 (120 ref.)

Effects of melatonin on vertebrate circadian systems. Cassone VM. **Trends Neurosci** 1990 Nov;13(11):457–64 (62 ref.)

Regulatory sites in the melatonin system of mammals. Krause DN, et al. **Trends Neurosci** 1990 Nov;13(11):464–70 (52 ref.)

[Role of the pineal body in reproduction and in gynecologic tumors] Bartsch C, et al. **Geburtshilfe Frauenheilkd** 1991 Jan;51(1):1–8 (97 ref.) (Eng. Abstr.) **(Ger)**

[Melatonin in the retina of vertebrates] Zawilska J, et al. **Acta Physiol Pol** 1989;40 Suppl 33:28–96 (252 ref.) **(Pol)**

[Regulation of the biologic rhythms in mammals. Function of the pineal gland] Cardinali DP. **An R Acad Nac Med (Madr)** 1990;107(3):433–42 (51 ref.) **(Spa)**

SECRETION

Rhythmic release pattern of pineal melatonin in rodents. Chan YS, et al. **Neuroendocrinology** 1991;53 Suppl 1:60–7 (65 ref.)

[Melatonin in seasonal affective disorder] Gu NF, et al. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1990 Oct; 23(5):306–8 (17 ref.) **(Chi)**

MELEDA DISEASE see **KERATOSIS PALMARIS ET PLANTARIS**

MELIBIOSE

METABOLISM

The melibiose carrier of Escherichia coli. Botfield MC, et al. **Res Microbiol** 1990 Mar–Apr;141(3):328–31 (9 ref.)

MELIOIDOSIS

EPIDEMIOLOGY

Melioidosis: the tip of the iceberg? Dance DA. **Clin Microbiol Rev** 1991 Jan;4(1):52–60 (179 ref.)

MELKERSSON–ROSENTHAL SYNDROME

Cheilitis granulomatosa: report of six cases and review of the literature. Allen CM, et al. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 1):444–50 (25 ref.)

[Melkersson–Rosenthal syndrome. Miescher's granulomatous macrocheilitis] Grosshans E, et al. **Ann Dermatol Venereol** 1991;118(3):245–51 (23 ref.) **(Fre)**

MELNICK–NEEDLES SYNDROME see **OSTEOCHONDRODYSPLASIAS**

MELORHEOSTOSIS

RADIOGRAPHY

Cranio-facial melorheostosis: case report and review of the literature. Williams JW, et al. **Br J Radiol** 1991 Jan; 64(757):60–2 (11 ref.)

Melorheostosis: a case report and literature review. Perlman MD. **J Foot Surg** 1990 Jul–Aug;29(4):353–6 (21 ref.)

MELPHALAN

ADMINISTRATION & DOSAGE

[Hyperthermic–antiblastic isolation perfusion for advanced melanoma of the limbs. The technic, immediate results and a review of the literature] Decian F, et al. **Minerva Chir** 1990 Oct 15;45(19):1227–37 (50 ref.) (Eng. Abstr.) **(Ita)**

MEMBRANE-BOUND IMMUNOGLOBULINS see **IMMUNOGLOBULINS, SURFACE**

MEMBRANE CHANNELS see **ION CHANNELS**

MEMBRANE FLUIDITY

Expression of a negative regulator of human erythropoiesis by fluidized lymphocyte plasma membranes. Dainiak N, et al. **Ann N Y Acad Sci** 1991;628:212–21 (33 ref.)

The homeoviscous theory of adaptation applied to excitable membranes: a critical evaluation. Macdonald AG. **Biochim Biophys Acta** 1990 Oct 8;1031(3):291–310 (207 ref.)

PHYSIOLOGY

Synaptic plasma membrane composition and fluidity in the pathogenesis of hepatic encephalopathy. Pappas SC. **Adv Exp Med Biol** 1990;272:149–57 (17 ref.)

Membrane insertion and lateral mobility of synthetic amphiphilic signal peptides in lipid model membranes. Tamm LK. **Biochim Biophys Acta** 1991 Jul 22; 1071(2):123–48 (150 ref.)

MEMBRANE FUSION

Cell–cell adhesion molecules in Dictyostelium. Siu CH. **Bioessays** 1990 Aug;12(8):357–62 (58 ref.)

Fluorescence assays to monitor membrane fusion: potential application in biliary lipid secretion and vesicle interactions. Hoekstra D. **Hepatology** 1990 Sep;12(3 Pt 2):61S–66S (16 ref.)

Synexin (annexin VII): a cytosolic calcium-binding protein which promotes membrane fusion and forms calcium channels in artificial bilayer and natural membranes. Pollard HB, et al. **J Membr Biol** 1990 Aug;117(2):101–12 (38 ref.)

Enzymology of intracellular membrane fusion. Rothman JE. **Klin Wochenschr** 1991 Feb 6;69(3):98–104 (46 ref.)

The molecular control of transport vesicle fusion. Wattenberg BW. **New Biol** 1990 Jun;2(6):505–11 (50 ref.)

PHYSIOLOGY

Molecular control of vesicle aggregation and membrane fusion: hypotheses on bile vesicles. Düzgüneş N. **Hepatology** 1990 Sep;12(3 Pt 2):67S–72S; discussion 72S–74S (71 ref.)

The role of influenza virus haemagglutinin in membrane fusion. Wharton SA. **Microbiol Sci** 1987 Apr;4(4):119–24 (31 ref.)

MEMBRANE GLYCOPROTEINS

Multidrug resistance. Fojo AT. **Adv Intern Med** 1991; 36:195–218 (148 ref.)

ANALYSIS

Evasive strategies of trophoblast cells: selective expression of membrane antigens. Hunt JS, et al. **Am J Reprod Immunol** 1990 Jun;23(2):57–63 (81 ref.)

Multidrug resistance: clinical relevance in haematological malignancies. Kaye SB, et al. **Blood Rev** 1991 Mar; 5(1):38–41 (27 ref.)

The nature and abundance of human red cell surface glycoproteins. Anstee DJ. **J Immunogenet** 1990 Aug–Oct; 17(4–5):219–25 (22 ref.)

ANTAGONISTS & INHIBITORS

Prospects for the use of antagonists to the platelet glycoprotein IIb/IIIa receptor to prevent post-angioplasty restenosis and thrombosis. Ellis SG, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):89B–95B (82 ref.)

BIOSYNTHESIS

Syndecan and tenascin: induction during early tooth morphogenesis and possible interactions. Thesleff I, et al. **Cell Differ Dev** 1990 Dec 2;32(3):383–9 (37 ref.)

GENETICS

Expression and functions of P-glycoprotein (mdr1 gene product) in normal and malignant tissues. Sugawara I. **Acta Pathol Jpn** 1990 Aug;40(8):545–53 (42 ref.)

Clinical significance of multiple drug resistance in human cancers. Bénard J, et al. **Anticancer Res** 1990 Sep–Oct; 10(5A):1297–302 (40 ref.)

Multidrug resistance (mdr) genes in human cancer. Nooter K, et al. **Br J Cancer** 1991 May;63(5):663–9 (104 ref.)

Multidrug resistance. Moscow JA, et al. **Cancer Chemother Biol Response Modif** 1990;11:97–114 (100 ref.)

The clinical relevance of multidrug resistance. Bellamy WT, et al. **Cancer Invest** 1990;8(5):547–62 (139 ref.)

Immunogenetics of the Q and TL regions of the mouse. Flaherty L, et al. **Crit Rev Immunol** 1990;10(2):131–75 (270 ref.)

Cellular expression of the Thy-1 glycoprotein: analysis using interlineage hybrids, somatic cell mutants, and transfectants. Hyman R. **Immunol Ser** 1989;45:223–40 (92 ref.)

Structural organization of the Thy-1 gene. Silver J. **Immunol Ser** 1989;45:241–69 (107 ref.)

Genetic basis of multidrug resistance of tumor cells. Kane SE, et al. **J Bioenerg Biomembr** 1990 Aug;22(4):593–618 (187 ref.)

[Expression of P-glycoprotein 170 (GP 170) and drug resistance in human cancers] Bourhis J, et al. **Bull Cancer (Paris)** 1990;77(10):957–65 (34 ref.) (Eng. Abstr.) **(Fre)**

[Origin of DNA replication of filamentous coliphages] Horiuchi K. **Idengaku Zasshi** 1990 Aug;65(4):225–41 (48 ref.) **(Jpn)**

METABOLISM

Surface associated glycoproteins from Toxocara canis larval parasites. Maizels RM, et al. **Acta Trop (Basel)** 1990 Jul; 47(5–6):355–64 (46 ref.)

Polarity signals. Hopkins CR. **Cell** 1991 Sep 6;66(5):827–9 (30 ref.)

B-50 (GAP-43): biochemistry and functional neurochemistry of a neuron-specific phosphoprotein. Coggins PJ, et al. **J Neurochem** 1991 Apr;56(4):1095–106 (117 ref.)

First messengers at fertilization. Jaffe LA. **J Reprod Fertil Suppl** 1990;42:107–16 (45 ref.)

Adherence and receptor relationships of Candida albicans.

Calderone RA, et al. **Microbiol Rev** 1991 Mar;55(1):1–20 (168 ref.)
Structure and function of haemolysin B,P-glycoprotein and other members of a novel family of membrane translocators. Blight MA, et al. **Mol Microbiol** 1990 Jun; 4(6):873–80 (54 ref.)
[Lysosomal membrane glycoproteins; structure, biosynthesis, and trafficking to lysosome] Fukuda M. **Seikagaku** 1990 Oct;62(10):1225–40 (61 ref.) **(Jpn)**

PHYSIOLOGY

Membrane glycoproteins involved in neurite-neurite interactions. Rathjen FG, et al. **Acta Histochem Suppl** 1990; 38:59–63 (26 ref.)
The role of protein kinase C substrate B-50 (GAP-43) in neurotransmitter release and long-term potentiation. De Graan PN, et al. **Adv Exp Med Biol** 1990;268:347–58 (93 ref.)
Entactin: structure and function. Chung AE, et al. **Am J Respir Cell Mol Biol** 1990 Oct;3(4):275–82 (71 ref.)
The relationship of GAP-43 to the development and plasticity of synaptic connections. Benowitz LI, et al. **Ann N Y Acad Sci** 1991;627:58–74 (87 ref.)
Drug resistance, the last frontier? Kellen JA. **Anticancer Res** 1991 Mar–Apr;11(2):917–9 (20 ref.)
Bacterial haemolysin and mammalian P-glycoprotein. Holland IB, et al. **Biochem Soc Trans** 1991 Apr;19(2):252–5 (22 ref.)
Cell–cell adhesion molecules in Dictyostelium. Siu CH. **Bioessays** 1990 Aug;12(8):357–62 (58 ref.)
Mechanisms of multidrug resistance in human tumor cells. The roles of P-glycoprotein, DNA topoisomerase II, and other factors. Beck WT. **Cancer Treat Rev** 1990 Dec;17 Suppl A:11–20 (70 ref.)
GAP-43 as a 'calmodulin sponge' and some implications for calcium signalling in axon terminals. Skene JH. **Neurosci Res Suppl** 1990;13:S112–25 (50 ref.)
GAP-43 as a marker for structural plasticity in the mature CNS. Benowitz LI, et al. **Prog Brain Res** 1990;86:309–20 (78 ref.)
Carbohydrate differentiation antigens: probable ligands for cell adhesion molecules [published erratum appears in Trends Biochem Sci 1991 May;16(5):172] Feizi T. **Trends Biochem Sci** 1991 Mar;16(3):84–6 (33 ref.)
Platelet membrane glycoproteins: role in primary hemostasis and component antigens. Beardsley DS. **Yale J Biol Med** 1990 Sep–Oct;63(5):469–75 (21 ref.)
[Biochemical mechanisms of antitumor drug resistance] Tsuruo T. **Seikagaku** 1990 Sep;62(9):1144–53 (58 ref.) **(Jpn)**
[Multidrug resistance of neoplastic cells—facts and hypotheses] Grzelakowska-Sztabert B. **Postepy Biochem** 1989;35(4):513–41 (276 ref.) **(Pol)**
[Modulators of multidrug resistance in neoplastic cells] Grzelakowska-Sztabert B. **Postepy Biochem** 1989; 35(4):543–61 (128 ref.) **(Pol)**

URINE

Urinary proteins of tubular origin: basic immunochemical and clinical aspects. Scherberich JE. **Am J Nephrol** 1990;10 Suppl 1:43–51 (70 ref.)

MEMBRANE LIPIDS

Lipid polymorphism of model and cellular membranes as revealed by electron microscopy. Borovyagin VL, et al. **Electron Microsc Rev** 1989;2(1):75–115 (120 ref.)
Freeze fracture studies of membrane lipids. Hui SW. **Electron Microsc Rev** 1988;1(2):351–70 (38 ref.)

BIOSYNTHESIS

Dietary regulation of essential fatty acid metabolism and membrane phospholipid composition. Wahle KW. **Biochem Soc Trans** 1990 Oct;18(5):775–8 (54 ref.)

BLOOD

[Membrane phospholipid peroxidation in renal insufficiency and chronic hemodialysis] Paul JL, et al. **Nephrologie** 1991; 12(1):4–7 (39 ref.) (Eng. Abstr.) **(Fre)**

CHEMISTRY

Is the mechanism of general anesthesia related to lipid membrane spontaneous curvature? Gruner SM, et al. **Ann N Y Acad Sci** 1991;625:685–97 (35 ref.)
Glycosphingolipid arrangement and dynamics in membranes. Grant CW, et al. **Biochem Soc Trans** 1990 Oct;18(5):827–31 (27 ref.)
On the principles of functional ordering in biological membranes. Kinnunen PK. **Chem Phys Lipids** 1991 Mar; 57(2–3):375–99 (338 ref.)
Lateral order in binary lipid alloys and its coupling to membrane functions. Knoll W, et al. **Chem Phys Lipids** 1991 Mar;57(2–3):363–74 (27 ref.)
Phospholipid phase transitions in model and biological membranes as studied by infrared spectroscopy. Mantsch HH, et al. **Chem Phys Lipids** 1991 Mar;57(2–3):213–26 (27 ref.)
Nonbilayer phases of membrane lipids. Tate MW, et al. **Chem Phys Lipids** 1991 Mar;57(2–3):147–64 (149 ref.)
Chemical principles in the organization of lipid components in the mycobacterial cell envelope. Minnikin DE. **Res Microbiol** 1991 May;142(4):423–7 (9 ref.)
Enzyme activities affecting tissue lipid fatty acid composition. Sprecher H. **World Rev Nutr Diet** 1991;66:166–76 (33 ref.)
[The cyanobacterial membrane architecture in relation to the low-temperature tolerance] Wada H, et al. **Tanpakushitsu Kakusan Koso** 1991 Jul;36(9):1604–10 (33 ref.) **(Jpn)**

METABOLISM

Lipid peroxidation and membrane damage of the heart. Ytrehus K, et al. **Acta Physiol Scand Suppl** 1991;599:81–91 (52 ref.)
Hormonal regulation of phosphatidylcholine breakdown. Exton JH. **Adv Second Messenger Phosphoprotein Res** 1990; 24:152–7 (41 ref.)
Control of the transmembrane phospholipid distribution in eukaryotic cells by aminophospholipid translocase. Devaux PF, et al. **Biotechnol Appl Biochem** 1990 Oct;12(5):517–22 (18 ref.)
Extrahepatic cell membrane lipid abnormalities and cellular dysfunction in liver disease. Owen JS. **Drugs** 1990;40 Suppl 3:73–83 (81 ref.)
Membrane-associated cytoskeleton and transbilayer phospholipid asymmetry. Gupta CM. **Indian J Biochem Biophys** 1990 Dec;27(6):365–7 (41 ref.)
Second messengers derived from inositol lipids. Catt KJ, et al. **J Bioenerg Biomembr** 1991 Feb;23(1):7–27 (134 ref.)
Membrane phospholipids and the dark side of vision. Rando RR. **J Bioenerg Biomembr** 1991 Feb;23(1):133–46 (30 ref.)
Kinetic and molecular species analyses of mitogen-induced increases in diglycerides: evidence for stimulated hydrolysis of phosphoinositides and phosphatidylcholine. Raben DM, et al. **J Cell Biochem** 1990 Oct;44(2):117–25 (23 ref.)
Reevaluating equilibrium and kinetic binding parameters for lipophilic drugs based on a structural model for drug interaction with biological membranes. Mason RP, et al. **J Med Chem** 1991 Mar;34(3):869–77 (41 ref.)
Actin binding proteins—lipid interactions. Isenberg G. **J Muscle Res Cell Motil** 1991 Apr;12(2):136–44 (100 ref.)
Dietary fat alters adipocyte membrane lipid composition and cell functions in diabetic and control rats. **Nutr Rev** 1991 Mar;49(3):82–4 (5 ref.)
Spontaneous transfer of lipids between membranes. Brown RE. **Subcell Biochem** 1990;16:333–63 (180 ref.)
Phospholipid transfer proteins as probes of membrane structure and function. Crain RC. **Subcell Biochem** 1990; 16:45–67 (129 ref.)
Brain lipid changes after ethanol exposure. Gustavsson L. **Ups J Med Sci Suppl** 1990;48:245–66 (72 ref.)

PHYSIOLOGY

Essential fatty acids in membrane: physical properties and function. Stubbs CD, et al. **Biochem Soc Trans** 1990 Oct; 18(5):779–81 (31 ref.)
Static and dynamic lipid asymmetry in cell membranes. Devaux PF. **Biochemistry** 1991 Feb 5;30(5):1163–73 (111 ref.)
Bifunctional role of glycosphingolipids. Modulators for transmembrane signaling and mediators for cellular interactions. Hakomori S. **J Biol Chem** 1990 Nov 5; 265(31):18713–6 (86 ref.)
New principle in QSAR: membrane requirements. Schwyzer R. **J Recept Res** 1991;11(1–4):45–57 (38 ref.)
Lipids, membrane receptors, and enzymes: effects of dietary fatty acids. Kinsella JE. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):200S–217S (91 ref.)
Lipids in gap junction assembly and function. Malewicz B, et al. **Lipids** 1990 Aug;25(8):419–27 (134 ref.)
Mycobacterial cell wall and pathogenicity: a lipodologist's view. Lanéelle G, et al. **Res Microbiol** 1991 May; 142(4):433–7 (23 ref.)
Strategies for coping with low environmental temperatures. Harwood J. **Trends Biochem Sci** 1991 Apr;16(4):126–7 (7 ref.)

MEMBRANE METALLO-ENDOPEPTIDASE

ANTAGONISTS & INHIBITORS

Enkephalinase (EC 3.4.24.11) inhibitors: protection of endogenous ANF against inactivation and potential therapeutic applications. Schwartz JC, et al. **Life Sci** 1990; 47(15):1279–97 (141 ref.)

PHARMACOLOGY

Neutral endopeptidase modulation of neurogenic inflammation in airways. Nadel JA. **Eur Respir J Suppl** 1990 Dec;12:645s–651s (38 ref.)

PHYSIOLOGY

Roles of neutral endopeptidase in airways. Borson DB. **Am J Physiol** 1991 Apr;260(4 Pt 1):L212–25 (140 ref.)
Modulation of neurogenic inflammation by neutral endopeptidase. Nadel JA, et al. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S33–6 (47 ref.)
Neutral endopeptidase modulates neurogenic inflammation. Nadel JA. **Eur Respir J** 1991 Jun;4(6):745–54 (86 ref.)
Renal metabolism of angiotensin I and II. Erdös EG, et al. **Kidney Int Suppl** 1990 Nov;30:S24–7 (39 ref.)

MEMBRANE POTENTIALS

Regulation of the plasma membrane potential in hepatocytes—mechanism and physiological significance. Moule SK, et al. **Biochim Biophys Acta** 1990 Oct 8; 1031(3):383–97 (145 ref.)
Some mathematical problems of excitability. Holden AV. **Biomed Biochim Acta** 1990;49(8–9):651–60 (16 ref.)
Effects of free radicals on the electrophysiological function of cardiac membranes. Barrington PL. **Free Radic Biol Med** 1990;9(4):355–65 (54 ref.)
Cell membrane potential analysis. Shapiro HM. **Methods Cell Biol** 1990;33:25–35 (12 ref.)

PHYSIOLOGY

M currents. Brown DA. **Ion Channels** 1988;1:55–94 (176 ref.)
Excitation, activation and sperm entry in voltage-clamped sea-urchin eggs. Chambers EL, et al. **J Reprod Fertil Suppl** 1990;42:117–32 (33 ref.)
Optical approaches to ontogeny of electrical activity and related functional organization during early heart development. Kamino K. **Physiol Rev** 1991 Jan;71(1):53–91 (370 ref.)
Kinetic basis of voltage dependence of the Na,K-pump. Läuger P. **Soc Gen Physiol Ser** 1991;46:303–15 (19 ref.)
Stoichiometry and voltage dependence of the Na+/K+ pump in squid giant axons and Xenopus oocytes. Rakowski RF. **Soc Gen Physiol Ser** 1991;46:339–53 (25 ref.)
Variations in voltage-dependent stimulation of the Na+/K+ pump in Xenopus oocytes by external potassium. Schwarz W, et al. **Soc Gen Physiol Ser** 1991;46:327–38 (30 ref.)

MEMBRANE PROTEINS

Phospholipid transfer proteins. Wirtz KW. **Annu Rev Biochem** 1991;60:73–99 (190 ref.)

ANALYSIS

Synaptophysin. A widespread constituent of small neuroendocrine vesicles and a new tool in tumor diagnosis. Wiedenmann B. **Acta Oncol** 1991;30(4):435–40 (52 ref.)
Evasive strategies of trophoblast cells: selective expression of membrane antigens. Hunt JS, et al. **Am J Reprod Immunol** 1990 Jun;23(2):57–63 (81 ref.)
Pulmonary proteins as cell-specific markers. Singh G, et al. **Exp Lung Res** 1991 Mar–Apr;17(2):245–53 (49 ref.)
The superficial protein arrays on bacteria. Koval SF, et al. **Microbiol Sci** 1986 Dec;3(12):357–61 (20 ref.)
Phenotypic variations in cell envelope proteins of Klebsiella aerogenes. Sterkenburg A, et al. **Microbiol Sci** 1985 May; 2(5):148–51 (23 ref.)

ANTAGONISTS & INHIBITORS

Chloride channel blockers. Greger R. **Methods Enzymol** 1990;191:793–810 (75 ref.)

BIOSYNTHESIS

Synthesis of basement membrane proteins in the small intestine. Simon-Assmann P, et al. **Digestion** 1990;46 Suppl 2:12–21 (29 ref.)
Use of Xenopus oocytes for the functional expression of plasma membrane proteins. Sigel E. **J Membr Biol** 1990 Sep;117(3):201–21 (262 ref.)

BLOOD

Genetics of the red cell membrane skeleton. Palek J, et al. **Semin Hematol** 1990 Oct;27(4):290–332 (368 ref.)

CHEMISTRY

Glycolipid anchoring of plasma membrane proteins. Cross GA. **Annu Rev Cell Biol** 1990;6:1–39 (123 ref.)
Desmosomes and hemidesmosomes: constitutive molecular components. Schwarz MA, et al. **Annu Rev Cell Biol** 1990; 6:461–91 (121 ref.)
The structure and insertion of integral proteins in membranes. Singer SJ. **Annu Rev Cell Biol** 1990;6:247–96 (175 ref.)
Molecular modelling of integral membrane proteins. Findlay JB, et al. **Biochem Soc Trans** 1990 Oct;18(5):838–40 (26 ref.)
Proline residues in transmembrane helices: structural or dynamic role? Williams KA, et al. **Biochemistry** 1991 Sep 17;30(37):8919–23 (59 ref.)
Membrane protein structure. Pattus F. **Curr Opin Cell Biol** 1990 Aug;2(4):681–5 (32 ref.)
The present state of two-dimensional crystallization of membrane proteins. Boekema EJ. **Electron Microsc Rev** 1990;3(1):87–96 (61 ref.)
Channel protein engineering. An approach to the identification of molecular determinants of function in voltage-gated and ligand-regulated channel proteins. Montal M. **Ion Channels** 1990;2:1–31 (146 ref.)
The critical role of detergents in the crystallization of membrane proteins. Rosenbusch JP. **J Struct Biol** 1990 Jul–Sep;104(1–3):134–8 (55 ref.)
Membrane proteins: from sequence to structure. von Heijne G, et al. **Protein Eng** 1990 Dec;4(2):109–12 (65 ref.)
Application of fluorescent phospholipid analogues to studies on phospholipid transfer proteins. Somerharju PJ, et al.

Subcell Biochem 1990;16:21–43 (69 ref.)
Topography of integral membrane proteins: hydrophobicity analysis vs. immunolocalization. McCrea PD, et al. **Trends Biochem Sci** 1988 Aug;13(8):289–90 (26 ref.)

DEFICIENCY

Erythrocyte membrane protein deficiencies in paroxysmal nocturnal hemoglobinuria. Schultz DR. **Am J Med** 1989 Sep;87(3N):22N–29N (94 ref.)
[Current theories on the pathogenesis and treatment of nocturnal paroxysmal hemoglobinuria (NPH)] Robak T. **Przegl Lek** 1990;47(11):763–6 (0 ref.) **(Pol)**

DIAGNOSTIC USE

Phospholipid transfer proteins as probes of membrane structure and function. Crain RC. **Subcell Biochem** 1990; 16:45–67 (129 ref.)

DRUG EFFECTS

A guide to benzodiazepine selection. Part I: Pharmacological aspects. Teboul E, et al. **Can J Psychiatry** 1990 Nov; 35(8):700–10 (76 ref.)

GENETICS

TonB; a model for signal transduction between membranes. Hannavy K, et al. **Biochem Soc Trans** 1991 Apr;19(2):530–2 (23 ref.)
Molecular studies of the uncoupling protein. Ricquier D, et al. **FASEB J** 1991 Jun;5(9):2237–42 (49 ref.)
Cell cycle–related proteins and flow cytometry. Danova M, et al. **Haematologica** 1990 May–Jun;75(3):252–64 (157 ref.)
Notch and the molecular genetics of neuroblast segregation in Drosophila. Artavanis-Tsakonas S, et al. **Mol Reprod Dev** 1990 Sep;27(1):23–7 (0 ref.)
Molecular and genetic intimations of the function of Delta, and EGF–like gene required for ectodermal differentiation in Drosophila. Kopczynski CC, et al. **Mol Reprod Dev** 1990 Sep;27(1):28–36 (0 ref.)
The Notch gene, adhesion, and developmental fate in the Drosophila embryo. Greenspan RJ. **New Biol** 1990 Jul; 2(7):595–600 (43 ref.)
Evolution of permease diversity and energy–coupling mechanisms: an introduction. Saier MH Jr. **Res Microbiol** 1990 Mar–Apr;141(3):281–6 (8 ref.)
Genetics of the red cell membrane skeleton. Palek J, et al. **Semin Hematol** 1990 Oct;27(4):290–332 (368 ref.)

IMMUNOLOGY

[Monoclonal antibodies—their use in the structural and functional studies of proteins] Cierniewski CS. **Acta Physiol Pol** 1989;40 Suppl 34:67–84 (46 ref.) **(Pol)**

ISOLATION & PURIFICATION

[Purification and reconstitution of membrane carrier proteins] Szewczyk A, et al. **Postepy Biochem** 1989;35(4):469–92 (180 ref.) **(Pol)**

METABOLISM

The gap junction family: structure, function and chemistry. Dermietzel R, et al. **Anat Embryol (Berl)** 1990; 182(6):517–28 (82 ref.)
Effective transfer of membrane proteins from intact cells to liposomes and preparation of liposomal vaccines. Sunamoto J, et al. **Ann N Y Acad Sci** 1990;613:116–27 (22 ref.)
Optical methods for measuring protein–protein interactions. Garland PB. **Biochem Soc Trans** 1990 Oct;18(5):840–1 (7 ref.)
Amino acid neurotransmitter reuptake: mechanistics, biochemistry and molecular cloning. Kanner BI. **Biochem Soc Trans** 1991 Feb;19(1):92–5 (27 ref.)
Control of the transmembrane phospholipid distribution in eukaryotic cells by aminophospholipid translocase. Devaux PF, et al. **Biotechnol Appl Biochem** 1990 Oct;12(5):517–22 (18 ref.)
The primary pathway of protein export in E. coli. Bassford P, et al. **Cell** 1991 May 3;65(3):367–8 (26 ref.)
The molecular basis for the assembly and modulation of adherens–type junctions. Geiger B, et al. **Cell Differ Dev** 1990 Dec 2;32(3):343–53 (33 ref.)
Gramicidin, VDAC, porin and perforin channels. Levitt D. **Curr Opin Cell Biol** 1990 Aug;2(4):689–94 (20 ref.)
Nuclear lamin proteins: domains required for nuclear targeting, assembly, and cell–cycle–regulated dynamics. McKeon F. **Curr Opin Cell Biol** 1991 Feb;3(1):82–6 (26 ref.)
Gap junctional intercellular communication and the regulation of connexin expression and function. Musil LS, et al. **Curr Opin Cell Biol** 1990 Oct;2(5):875–80 (15 ref.)
Peptidyl–prolyl cis–trans isomerases, cyclophilin, FK506–binding protein, and ninaA: four of a kind. Stamnes MA, et al. **Curr Opin Cell Biol** 1990 Dec;2(6):1104–7 (13 ref.)
Relationship between the regulation of membrane enzyme activities by gangliosides and a possible ganglioside segregation in membrane microdomains. Sonnino S, et al. **Indian J Biochem Biophys** 1990 Dec;27(6):353–8 (16 ref.)
Generation of superoxide anion and hydrogen peroxide at the surface of plant cells. Vianello A, et al. **J Bioenerg Biomembr** 1991 Jun;23(3):409–23 (116 ref.)
The submembrane machinery for nicotinic acetylcholine receptor clustering. Froehner SC. **J Cell Biol** 1991 Jul; 114(1):1–7 (78 ref.)
Beta–lactamase as a probe of membrane protein assembly and protein export. Broome–Smith JK, et al. **Mol Microbiol** 1990 Oct;4(10):1637–44 (29 ref.)
TonB and the gram–negative dilemma. Postle K. **Mol Microbiol** 1990 Dec;4(12):2019–25 (63 ref.)
Architectural editing: determining the fate of newly synthesized membrane proteins. Klausner RD. **New Biol** 1989 Oct;1(1):3–8 (28 ref.)
Non–ligand–activated chloride channels of skeletal muscle and epithelia. Vaughan PC, et al. **Prog Biophys Mol Biol** 1989;54(1):59–79 (87 ref.)
Energy coupling in periplasmic permeases: the histidine permease as a model system. Ames GF. **Res Microbiol** 1990 Mar–Apr;141(3):341–8 (32 ref.)
The role of ATP in binding–protein–dependent transport systems. Higgins CF. **Res Microbiol** 1990 Mar–Apr; 141(3):353–60 (46 ref.)
A consensus structure for membrane transport. Maloney PC. **Res Microbiol** 1990 Mar–Apr;141(3):374–83 (68 ref.)
Plasma membrane Ca2+ pumps and Na+/Ca2+ exchangers. Strehler EE. **Semin Cell Biol** 1990 Aug; 1(4):283–95 (104 ref.)
Perforated cell systems to study membrane transport. Featherstone C. **Trends Biochem Sci** 1988 Aug;13(8):284–6 (17 ref.)
Embedded or not? Hydrophobic sequences and membranes. Singer SJ, et al. **Trends Biochem Sci** 1990 Oct;15(10):369–73 (31 ref.)

PHARMACOLOGY

Structural and functional characterization of ADP–ribosylation factors, 20 kDa guanine nucleotide–binding proteins that activate cholera toxin. Moss J, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:83–8 (19 ref.)
[Channel–forming proteins. III. Colicins] Krasil'nikov OV. **Biol Nauki** 1990;(10):5–20 (53 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Neuropeptide signalling and cell–surface peptidases. Turner AJ. **Adv Second Messenger Phosphoprotein Res** 1990; 24:467–71 (23 ref.)
Chloride conductance pathways in heart. Hume JR, et al. **Am J Physiol** 1991 Sep;261(3 Pt 1):C399–412 (129 ref.)
Allosteric actions of central nervous system depressants including anesthetics on subtypes of the inhibitory gamma–aminobutyric acidA receptor–chloride channel complex. Olsen RW, et al. **Ann N Y Acad Sci** 1991; 625:145–54 (72 ref.)
Novel neuronal neurotransmitter–specific cell–surface molecules. Docherty M. **Biochem Soc Trans** 1991 Feb; 19(1):87–91 (19 ref.)
Molecular basis of red cell membrane rheology. Part 1. Chien S, et al. **Biorheology** 1990;27(3–4):327–44 (96 ref.)
The inhibitory glycine receptor: a ligand–gated chloride channel of the central nervous system. Langosch D, et al. **Eur J Biochem** 1990 Nov 26;194(1):1–8 (66 ref.)
Effect of cell–bound proteins on the in vivo survival of circulating blood cells. Garratty G. **Gerontology** 1991; 37(1–3):68–94 (119 ref.)
The membrane skeleton of erythrocytes: models of its effect on lateral diffusion. Saxton MJ. **Int J Biochem** 1990; 22(8):801–9 (68 ref.)
Function, location, and regulation of the src protein–tyrosine kinase. Varmus H, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:63–70 (40 ref.)
Current understanding of the cellular biology and molecular structure of the antidiuretic hormone–stimulated water transport pathway. Harris HW Jr, et al. **J Clin Invest** 1991 Jul;88(1):1–8 (58 ref.)
Role and nature of plasma membrane carrier proteins in the hepatic transport of organic anions. Tiribelli C, et al. **J Gastroenterol Hepatol** 1989 Mar–Apr;4(2):195–205 (77 ref.)
Pharmacologic significance of the structural heterogeneity of the GABAA receptor–chloride ion channel complex. Vicini S. **Neuropsychopharmacology** 1991 Jan;4(1):9–15 (36 ref.)
Functional subunit structure of voltage–gated calcium channels. Catterall WA. **Science** 1991 Sep 27; 253(5027):1499–500 (17 ref.)
Heat shock proteins in protein folding and membrane translocation. Hartl FU. **Semin Immunol** 1991 Jan;3(1):5–16 (100 ref.)
H+/OH–/HCO3– transport mechanisms in the inner stripe of the outer medullary collecting duct. Hays SR. **Semin Nephrol** 1991 Jan;11(1):45–54 (93 ref.)
Notch and the choice of cell fate in Drosophila neuroepithelium. Simpson P. **Trends Genet** 1990 Nov; 6(11):343–5 (19 ref.)
[Current data of the membrane receptors of the vascular smooth muscle fibers] Stoclet JC. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:45–52 (30 ref.) (Eng. Abstr.) **(Fre)**

MEMBRANE PROTEINS, VIRAL see **VIRAL MATRIX PROTEINS**

MEMBRANES

see related
CELL MEMBRANE
CELL WALL
MEMBRANE LIPIDS
MEMBRANE PROTEINS
NEURILEMMA
SYNOVIAL MEMBRANE

CHEMISTRY

Phospholipid transfer proteins as probes of membrane structure and function. Crain RC. **Subcell Biochem** 1990; 16:45–67 (129 ref.)

DRUG EFFECTS

Use of electron spin resonance spectroscopy of spin labels for studying drug–induced membrane perturbation. Ondriaš K. **J Pharm Biomed Anal** 1989;7(6):649–75 (282 ref.)
[The biochemical basis of pharmaceutical chemistry. 8. The biological membrane as an attack point of drugs] Nuhn P. **Pharmazie** 1990 Sep;45(9):700–10 (63 ref.) **(Ger)**

METABOLISM

Physical chemistry of porphyrins and their interactions with membranes: the importance of pH. Brault D. **J Photochem Photobiol B** 1990 Jun;6(1–2):79–86 (31 ref.)

ULTRASTRUCTURE

The conformation of membranes. Lipowsky R. **Nature** 1991 Feb 7;349(6309):475–81 (96 ref.)

MEMBRANES, ARTIFICIAL

New aspects of biocompatibility of hemodialysis membranes. Wauters JP, et al. **Adv Nephrol Necker Hosp** 1991;20:275–80 (17 ref.)
Immobilon–P transfer membrane: applications and utility in protein biochemical analysis. LeGendre N. **Biotechniques** 1990 Dec;9(6 Suppl):788–805 (149 ref.)
Diffusion and convection in membrane bioreactors. Heath CA, et al. **Biotechnology** 1991;17:357–71 (32 ref.)
The molecular features of membrane perturbation by anaesthetic steroids: a study using differential scanning calorimetry, small angle X–ray diffraction and solid state 2H NMR. Makriyannis A, et al. **Ciba Found Symp** 1990; 153:172–84; discussion 185–9 (19 ref.)
Biomedical polymers differ in their capacity to activate complement. Janatova J, et al. **Complement Inflamm** 1991; 8(2):61–9 (44 ref.)
Membrane transfer, membrane adsorption and possible membrane–induced generation of beta–2–microglobulin. Drüeke T, et al. **Contrib Nephrol** 1989;74:113–9 (36 ref.)
Membranes for blood purification: state of the art and new developments. Strathmann H, et al. **Contrib Nephrol** 1990; 78:119–40; discussion 140–1 (19 ref.)
Regenerating bone in clinical periodontics. Mellonig JT, et al. **J Am Dent Assoc** 1990 Oct;121(4):497–502 (103 ref.)
Biocompatibility of hemodialysis membranes. Cheung AK. **J Am Soc Nephrol** 1990 Aug;1(2):150–61 (85 ref.)
Recent advances in the biocompatibility of haemodialysis membranes. Schulman G, et al. **Nephrol Dial Transplant** 1991;6 Suppl 2:10–3 (43 ref.)
Leukocyte–derived mediators and biocompatibility. Tetta C, et al. **Nephrol Dial Transplant** 1991;6 Suppl 2:24–30 (88 ref.)

MEMBRANES, INTRACELLULAR see **INTRACELLULAR MEMBRANES**

MEMBRANOPROLIFERATIVE GLOMERULONEPHRITIS see **GLOMERULONEPHRITIS, MEMBRANOPROLIFERATIVE**

MEMBRANOUS GLOMERULOPATHY see **GLOMERULONEPHRITIS, MEMBRANOUS**

MEMORY

Memory function in patients with epilepsy. Thompson PJ. **Adv Neurol** 1991;55:369–84 (109 ref.)
Neuropsychological testing for evaluation of brain aging. Derouesné C. **Ann Med Interne (Paris)** 1990;141 Suppl 1:27–30 (28 ref.)
Specifying criteria for postulating memory systems. Roediger HL 3d, et al. **Ann N Y Acad Sci** 1990;608:572–89; discussion 589–95 (61 ref.)
The "memory system" of prelinguistic infants. Rovee–Collier C. **Ann N Y Acad Sci** 1990;608:517–36; discussion 537–42 (84 ref.)
Perceptual representation systems and implicit memory. Toward a resolution of the multiple memory systems debate. Schacter DL. **Ann N Y Acad Sci** 1990;608:543–67; discussion 567–71 (99 ref.)
Music psychology:tonal structures in perception and memory. Krumhansl CL. **Annu Rev Psychol** 1991; 42:277–303 (164 ref.)
Covert face recognition in prosopagnosia: a review. Bruyer

R. **Brain Cogn** 1991 Mar;15(2):223–35 (67 ref.)
A critical evaluation of monkey models of amnesia and dementia. Ridley RM, et al. **Brain Res Brain Res Rev** 1991 Jan–Apr;16(1):15–37 (173 ref.)
Neural bases of recognition memory investigated through an analysis of imprinting. Horn G. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29; 329(1253):133–42 (93 ref.)
Food-storing birds: adaptive specialization in brain and behaviour? Krebs JR. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29;329(1253):153–60 (36 ref.)
Hippocampal synaptic plasticity and NMDA receptors: a role in information storage? Morris RG, et al. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29; 329(1253):187–204 (118 ref.)
Problems of learning and memory: one or multiple memory systems? Weiskrantz L. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29;329(1253):99–108 (56 ref.)
Neurobehavioral studies of forced swimming: the role of learning and memory in the forced swim test. West AP. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(6):863–77 (35 ref.)

DRUG EFFECTS

Facilitation of memory by peripheral administration of substance P and naloxone using avoidance and habituation learning tasks. Tomaz C, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):447–53 (43 ref.)
Memory, synaptic plasticity and neurotoxins. Petit TL. **Neurotoxicology** 1990 Summer;11(2):323–32 (54 ref.)
The effects of delta-9-THC on mechanisms of learning and memory. Deadwyler SA, et al. **NIDA Res Monogr** 1990; 97:79–93 (60 ref.)
Attentional and motivational effects of psychoactive drugs. Kornetsky C, et al. **NIDA Res Monogr** 1990;97:177–92 (27 ref.)
[Development of memory-improving drugs] Allain H, et al. **Ann Med Interne (Paris)** 1990;141 Suppl 1:19–25 (67 ref.) (Eng. Abstr.) **(Fre)**
[Comparative effects of ginkgo biloba extracts on psychomotor performances and memory in healthy subjects] Warot D, et al. **Therapie** 1991 Jan–Feb;46(1):33–6 (24 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Learning by seeing: N-methyl-D-aspartate receptors and recognition memory. Horn G, et al. **Adv Exp Med Biol** 1990;268:187–96 (74 ref.)
Different mechanisms and multiple stages of LTP. Matthies H, et al. **Adv Exp Med Biol** 1990;268:359–68 (40 ref.)
Ontogenetic development of habit and memory formation in primates. Bachevalier J. **Ann N Y Acad Sci** 1990; 608:457–77; discussion 477–84 (64 ref.)
Morphological aspects of synaptic plasticity in Aplysia. An anatomical substrate for long-term memory. Bailey CH, et al. **Ann N Y Acad Sci** 1991;627:181–96 (53 ref.)
Rate of maturation of the hippocampus and the developmental progression of children's performance on the delayed non-matching to sample and visual paired comparison tasks. Diamond A. **Ann N Y Acad Sci** 1990; 608:394–426; discussion 426–33 (106 ref.)
The development and neural bases of memory functions as indexed by the AB and delayed response tasks in human infants and infant monkeys. Diamond A. **Ann N Y Acad Sci** 1990;608:267–309; discussion 309–17 (110 ref.)
Prefrontal cortex and the bridging of temporal gaps in the perception-action cycle. Fuster JM. **Ann N Y Acad Sci** 1990;608:318–29; discussion 330–6 (26 ref.)
Towards a developmental cognitive science. The implications of cross-modal matching and imitation for the development of representation and memory in infancy. Meltzoff AN. **Ann N Y Acad Sci** 1990;608:1–31; discussion 31–7 (154 ref.)
Neuropeptide Y and memory processing. Morley JE, et al. **Ann N Y Acad Sci** 1990;611:226–31 (28 ref.)
Performance on traditional matching to sample, non-matching to sample, and object discrimination tasks by 12- to 32-month-old children. A developmental progression. Overman WH. **Ann N Y Acad Sci** 1990; 608:365–85; discussion 385–93 (34 ref.)
The neuropsychology of memory. Parallel findings in humans and nonhuman primates. Zola-Morgan S, et al. **Ann N Y Acad Sci** 1990;608:434–50; discussion 450–6 (61 ref.)
The neural mechanism of declarative memory consolidation and retrieval: a hypothesis. Cai ZJ. **Neurosci Biobehav Rev** 1990 Fall;14(3):295–304 (114 ref.)
The role of cholinergic projections from the nucleus basalis in memory. Dekker AJ, et al. **Neurosci Biobehav Rev** 1991 Summer;15(2):299–317 (182 ref.)
Endogenous benzodiazepine modulation of memory processes. Izquierdo I, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):419–24 (48 ref.)
Involvement of the amygdaloid complex in neuromodulatory influences on memory storage. McGaugh JL, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):425–31 (60 ref.)
An ethological model for the study of activation and interaction of pain, memory and defensive systems in the attacked mouse. Role of endogenous opioids. Siegfried B, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):481–90 (115 ref.)
Stress, performance, and arousal: focus on CRF. Koob GF, et al. **NIDA Res Monogr** 1990;97:163–76 (37 ref.)
Enkephalin influences on behavioral and neural plasticity: mechanisms of action. Martinez JL Jr, et al. **NIDA Res Monogr** 1990;97:48–78 (130 ref.)
The chick as a model system for studying neural processes in learning and memory. Rosenzweig MR. **NIDA Res Monogr** 1990;97:1–21 (51 ref.)
Pharmacology of long-term potentiation. A model for learning reviewed. Beukers M, et al. **Pharm Weekbl [Sci]** 1991 Feb 22;13(1):7–12 (62 ref.)
Cellular and circuit basis of working memory in prefrontal cortex of nonhuman primates. Goldman-Rakic PS. **Prog Brain Res** 1990;85:325–35; discussion 335–6 (33 ref.)
Serotonin, memory, and the aging brain. McEntee WJ, et al. **Psychopharmacology (Berl)** 1991;103(2):143–9 (85 ref.)
The medial temporal lobe memory system. Squire LR, et al. **Science** 1991 Sep 20;253(5026):1380–6 (61 ref.)
The role of interactions between the cholinergic system and other neuromodulatory systems in learning and memory. Decker MW, et al. **Synapse** 1991 Feb;7(2):151–68 (235 ref.)
Cholinergic mechanisms in learning, memory and dementia: a review of recent evidence. Fibiger HC. **Trends Neurosci** 1991 Jun;14(6):220–3 (47 ref.)
Role of NMDA receptors in memory. Izquierdo I. **Trends Pharmacol Sci** 1991 Apr;12(4):128–9 (25 ref.)
[The crucial substance in learning and memory] Yu DS, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):375–6 (3 ref.) **(Chi)**
[Memory. Cognitive, anatomic and pathologic models] Grossi D, et al. **Acta Neurol (Napoli)** 1991 Feb;13(1):44–62 (19 ref.) (Eng. Abstr.) **(Ita)**
[An olfactory memory of significance for reproductive endocrinology] Kaba H, et al. **Nippon Seirigaku Zasshi** 1991;53(5):151–68 (131 ref.) **(Jpn)**
[Molecule--hippocampus--memory. Part II: Hippocampus as a memory control apparatus] Sakai K, et al. **No To Shinkei** 1991 Feb;43(2):111–28 (1191 ref.) **(Jpn)**
[Molecule--hippocampus--memory. Part I: On the molecular mechanisms of synaptic plasticity] Sakai K, et al. **No To Shinkei** 1990 Nov;42(11):1017–29 (70 ref.) **(Jpn)**
[The role of neuropeptides in memory processes] Słowik S. **Psychiatr Pol** 1990 May-Jun;24(3):217–24 (39 ref.) **(Pol)**
[The development of the problem of memory transfer at the I. P. Pavlov Physiology Department] Vartanian GA, et al. **Fiziol Zh SSSR** 1990 Dec;76(12):1650–8 (41 ref.) (Eng. Abstr.) **(Rus)**

MEMORY DISORDERS

CHEMICALLY INDUCED

Learning and memory deficits in detoxified alcoholics. Oscar-Berman M. **NIDA Res Monogr** 1990;101:136–55 (61 ref.)

DIAGNOSIS

Diagnosis and assessment of age-associated memory impairment. Crook TH, et al. **Clin Neuropharmacol** 1990; 13 Suppl 3:S81–91 (30 ref.)

DRUG THERAPY

Alternatives in the treatment of memory loss in patients with Alzheimer's disease. Volger BW. **Clin Pharm** 1991 Jun; 10(6):447–56 (92 ref.)
[Development of memory-improving drugs] Allain H, et al. **Ann Med Interne (Paris)** 1990;141 Suppl 1:19–25 (67 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Memory dysfunction in epilepsy patients as a derangement of normal physiology. Halgren E, et al. **Adv Neurol** 1991; 55:385–410 (148 ref.)
[Can neurologic lesions explain memory disorders of the elderly?] Hauw JJ, et al. **Ann Med Interne (Paris)** 1990;141 Suppl 1:7–12 (48 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Experimental basis of multi-infarct dementia: memory impairments in rodent models of ischemia. Naritomi H. **Alzheimer Dis Assoc Disord** 1991 Summer;5(2):103–11 (28 ref.)
[Memory. Cognitive, anatomic and pathologic models] Grossi D, et al. **Acta Neurol (Napoli)** 1991 Feb;13(1):44–62 (19 ref.) (Eng. Abstr.) **(Ita)**

REHABILITATION

[Rehabilitation in old age: a neuropsychological perspective] Fernández Merino V, et al. **Arch Neurobiol (Madr)** 1990 Mar-Apr;53(2):81–3 (10 ref.) (Eng. Abstr.) **(Spa)**

MEMORY FOR DESIGNS TEST see **NEUROPSYCHOLOGICAL TESTS**

MEMORY, IMMEDIATE see **MEMORY, SHORT-TERM**

MEMORY, SHORT-TERM

PHYSIOLOGY

The prefrontal cortex and its relation to behavior. Fuster JM. **Prog Brain Res** 1991;87:201–11 (26 ref.)

MEN

PSYCHOLOGY

Men's changing social roles in the 1990s: emerging issues in the psychiatric treatment of men. Dickstein LJ, et al. **Hosp Community Psychiatry** 1991 Jul;42(7):701–5 (46 ref.)

MEN I see **NEOPLASMS, MULTIPLE ENDOCRINE**

MEN II see **NEOPLASMS, MULTIPLE ENDOCRINE**

MEN III see **NEOPLASMS, MULTIPLE ENDOCRINE**

MENADIONE see **VITAMIN K**

MENADIONE REDUCTASES see **QUINONE REDUCTASES**

MENAQUINONE see **VITAMIN K**

MENAQUINONE REDUCTASES see **QUINONE REDUCTASES**

MENARCHE

PHYSIOLOGY

The right weight: body fat, menarche and ovulation. Frisch RE. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):419–39 (86 ref.)

MENETRIER DISEASE see **GASTRITIS, HYPERTROPHIC**

MENGO VIRUS

ULTRASTRUCTURE

Functional aspects of the capsid structure of Mengo virus. Scraba DG. **J Struct Biol** 1990 Jul-Sep;104(1-3):52–62 (66 ref.)

MENIERE'S DISEASE

COMPLICATIONS

Old theme and new reflections: hearing impairment associated with endolymphatic hydrops. Horner KC. **Hear Res** 1991 Mar;52(1):147–56 (50 ref.)

DRUG THERAPY

Histamine in the treatment of vertigo. Fischer AJ. **Acta Otolaryngol Suppl (Stockh)** 1991;479:24–8 (41 ref.)
Drug treatment of Menière's disease. Marlowe FI. **Otolaryngol Clin North Am** 1973 Feb;6(1):119–30 (30 ref.)

ETIOLOGY

Delayed endolymphatic hydrops and its relationship to Menière's disease. Schuknecht HF, et al. **Ann Otol Rhinol Laryngol** 1990 Nov;99(11):843–53 (17 ref.)
The diagnosis and management of vertigo. Kumar A, et al. **Compr Ther** 1990 Dec;16(12):56–66 (10 ref.)
Menière's disease. Etiology, natural history, and results of treatment. Pulec JL. **Otolaryngol Clin North Am** 1973 Feb; 6(1):25–39 (15 ref.)
[Advance study in the etiology of Menière's disease] Liu T, et al. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1988; 23(1):52–4 (22 ref.) **(Chi)**
[Secondary Menière's disease] Liard P, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991;112(2):105–8 (21 ref.) (Eng. Abstr.) **(Fre)**
[Autoimmune Menière's disease: current concept] Portmann D. **Rev Laryngol Otol Rhinol (Bord)** 1991;112(2):121–3 (27 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Surgical control of vertigo in Ménière's disease. McKee GJ, et al. **Clin Otolaryngol** 1991 Apr;16(2):216–27 (144 ref.)
[Surgery of the endolymphatic sac and preservation of hearing in endolymphatic hydrops] Akyildiz N, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991;112(2):153–7 (26 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

The treatment of Menière's disease: Torok revisited. Ruckenstein MJ, et al. **Laryngoscope** 1991 Feb;101(2):211–8 (49 ref.)

MENIERE'S SYNDROME see **MENIERE'S DISEASE**

MENINGEAL ARTERIES

ANATOMY & HISTOLOGY

Meningeal blood supply of the convexity. Merland JJ, et al. **J Neuroradiol** 1977 Jun;4(2):129–74 (28 ref.) **(Eng, Fre)**

The middle meningeal artery. Its contribution to the vascularisation of the orbit. Moret J, et al. **J Neuroradiol** 1977 Jun;4(2):225–48 (25 ref.) **(Eng, Fre)**

RADIOGRAPHY

Meningeal blood supply of the convexity. Merland JJ, et al. **J Neuroradiol** 1977 Jun;4(2):129–74 (28 ref.) **(Eng, Fre)**

The middle meningeal artery. Its contribution to the vascularisation of the orbit. Moret J, et al. **J Neuroradiol** 1977 Jun;4(2):225–48 (25 ref.) **(Eng, Fre)**

MENINGEAL NEOPLASMS

Neurocutaneous melanosis: definition and review of the literature. Kadonaga JN, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 1):747–55 (76 ref.)

Optic nerve gliomas and meningiomas. Dutton JJ. **Neurol Clin** 1991 Feb;9(1):163–77 (114 ref.)

[A case of cellular blue nevus with bone and meningeal invasion] Chassagne JF, et al. **Rev Stomatol Chir Maxillofac** 1991;92(1):34–8 (24 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Intractable complex partial seizures associated with occult temporal lobe encephalocele and meningoangiomatosis: a case report. Whiting DM, et al. **Surg Neurol** 1990 Nov; 34(5):318–22 (12 ref.)

DIAGNOSIS

Meningioangiomatosis. Partington CR, et al. **AJNR Am J Neuroradiol** 1991 May–Jun;12(3):549–52 (16 ref.)

Primary leptomeningeal lymphoma: report of 9 cases, diagnosis with immunocytochemical analysis, and review of the literature. Lachance DH, et al. **Neurology** 1991 Jan; 41(1):95–100 (39 ref.)

[Meningioma of the apex of the tentorial incisura. Diagnostic and surgical aspects apropos of a series of 7 cases] Guyotat J, et al. **Neurochirurgie** 1991;37(1):12–7 (47 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

[Oncological and endocrine administration of the antiprogestagen RU 486] Lamberts SW. **Ned Tijdschr Geneeskd** 1990 Dec 29;134(52):2521–4 (34 ref.) **(Dut)**

ETIOLOGY

Meningeal involvement in Bence Jones multiple myeloma. Oda K, et al. **Cancer** 1991 Apr 1;67(7):1900–2 (13 ref.)

Radiation-induced meningiomas: experience at the Mount Sinai Hospital and review of the literature. Harrison MJ, et al. **J Neurosurg** 1991 Oct;75(4):564–74 (102 ref.)

Meningioma: the role of a foreign body and irradiation in tumor formation. Saleh J, et al. **Neurosurgery** 1991 Jul; 29(1):113–8; discussion 118–9 (47 ref.)

METABOLISM

Meningiomas and sex hormones. Davis C. **Eur J Cancer** 1990; 26(8):859–60 (11 ref.)

PATHOLOGY

Glycogen-rich meningioma. Case report and short review. Shiraishi K. **Neurosurg Rev** 1991;14(1):61–4 (15 ref.)

[A case report of adjacent tumor of sphenoid ridge meningioma and GH producing pituitary adenoma] Uno M, et al. **No Shinkei Geka** 1991 Jun;19(6):583–7 (21 ref.) (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Prevention of meningeal leukemia. Review of 20 years of research and current recommendations. Pochedly C. **Hematol Oncol Clin North Am** 1990 Oct;4(5):951–69 (43 ref.)

RADIOGRAPHY

[Dura mater chondroma. A case report and review of the literature] Sebbag M, et al. **J Radiol** 1990 Aug–Sep; 71(8–9):495–8 (24 ref.) (Eng. Abstr.) **(Fre)**

RADIOTHERAPY

[Glioblastoma after radiotherapy of meningioma] Lubetzki C, et al. **Rev Neurol (Paris)** 1991;147(2):151–5 (36 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Clinoidal meningiomas. Al-Mefty O. **J Neurosurg** 1990 Dec; 73(6):840–9 (60 ref.)

Meningiomas involving the clivus: a six-year experience with 41 patients. Sekhar LN, et al. **Neurosurgery** 1990 Nov; 27(5):764–81; discussion 781 (22 ref.)

Multiple spinal meningiomas: case report and review of the literature. Pagni CA, et al. **Zentralbl Neurochir** 1990; 51(4):225–8 (28 ref.)

[A case of meningioangiomatosis in an infant] Oka Y, et al. **No Shinkei Geka** 1991 Aug;19(8):761–5 (15 ref.) (Eng. Abstr.) **(Jpn)**

[A case of intraosseous meningioma] Yuge T, et al. **No Shinkei Geka** 1991 Jan;19(1):79–82 (19 ref.) (Eng. Abstr.) **(Jpn)**

MENINGES

ANATOMY & HISTOLOGY

On the question of a subdural space. Haines DE. **Anat Rec** 1991 May;230(1):3–21 (104 ref.)

MENINGIOMA

Optic nerve gliomas and meningiomas. Dutton JJ. **Neurol Clin** 1991 Feb;9(1):163–77 (114 ref.)

CLASSIFICATION

Tumors of the meninges: proposed modifications of the World Health Organization classification. Scheithauer BW. **Acta Neuropathol (Berl)** 1990;80(4):343–54 (97 ref.)

COMPLICATIONS

[ORL aspect of meningioma of the cerebellopontine angle] Bébéar JP, et al. **Rev Laryngol Otol Rhinol (Bord)** 1989; 110(1):59–61 (12 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Meningioangiomatosis. Partington CR, et al. **AJNR Am J Neuroradiol** 1991 May–Jun;12(3):549–52 (16 ref.)

An unusual complication of silastic dural substitute: case report. Ng TH, et al. **Neurosurgery** 1990 Sep;27(3):491–3 (12 ref.)

[Tumor of the fourth ventricle revealed by brain MRI in Recklinghausen's disease] Petiot A, et al. **Ann Dermatol Venereol** 1990;117(6–7):445–8 (13 ref.) **(Fre)**

[Nervous tumors of the infratemporal fossa] Beauvillain C, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(2):107–11 (20 ref.) (Eng. Abstr.) **(Fre)**

[Primary meningioma of the nose and the paranasal sinus] Fernández Liesa R, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(1):34–7 (18 ref.) (Eng. Abstr.) **(Fre)**

[Tumors of the cerebellopontine angle. Fortuitous association of meningioma and neurinoma] Thomassin JM, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(4):248–52 (15 ref.) (Eng. Abstr.) **(Fre)**

[Meningioma of the apex of the tentorial incisura. Diagnostic and surgical aspects apropos of a series of 7 cases] Guyotat J, et al. **Neurochirurgie** 1991;37(1):12–7 (47 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

[Oncological and endocrine administration of the antiprogestagen RU 486] Lamberts SW. **Ned Tijdschr Geneeskd** 1990 Dec 29;134(52):2521–4 (34 ref.) **(Dut)**

ETIOLOGY

Radiation-induced meningiomas: experience at the Mount Sinai Hospital and review of the literature. Harrison MJ, et al. **J Neurosurg** 1991 Oct;75(4):564–74 (102 ref.)

Meningioma: the role of a foreign body and irradiation in tumor formation. Saleh J, et al. **Neurosurgery** 1991 Jul; 29(1):113–8; discussion 118–9 (47 ref.)

GENETICS

Molecular genetics of neurofibromatosis 2 and related tumors (acoustic neuroma and meningioma). Fontaine B, et al. **Ann N Y Acad Sci** 1991;615:338–43 (19 ref.)

METABOLISM

Meningiomas and sex hormones. Davis C. **Eur J Cancer** 1990; 26(8):859–60 (11 ref.)

MICROBIOLOGY

Inoue-Melnick virus and associated diseases in man: recent advances. Inoue YK. **Prog Med Virol** 1991;38:167–79 (47 ref.)

PATHOLOGY

Glycogen-rich meningioma. Case report and short review. Shiraishi K. **Neurosurg Rev** 1991;14(1):61–4 (15 ref.)

[A case report of adjacent tumor of sphenoid ridge meningioma and GH producing pituitary adenoma] Uno M, et al. **No Shinkei Geka** 1991 Jun;19(6):583–7 (21 ref.) (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

[Glioblastoma after radiotherapy of meningioma] Lubetzki C, et al. **Rev Neurol (Paris)** 1991;147(2):151–5 (36 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Clinoidal meningiomas. Al-Mefty O. **J Neurosurg** 1990 Dec; 73(6):840–9 (60 ref.)

Telecanthal approach for meningiomas in the ethmoid and sphenoid sinuses. Fujitsu K, et al. **Neurosurgery** 1991 May; 28(5):714–9; discussion 719–20 (50 ref.)

Meningiomas involving the clivus: a six-year experience with 41 patients. Sekhar LN, et al. **Neurosurgery** 1990 Nov; 27(5):764–81; discussion 781 (22 ref.)

Multiple spinal meningiomas: case report and review of the literature. Pagni CA, et al. **Zentralbl Neurochir** 1990; 51(4):225–8 (28 ref.)

[A case of meningioangiomatosis in an infant] Oka Y, et al. **No Shinkei Geka** 1991 Aug;19(8):761–5 (15 ref.) (Eng. Abstr.) **(Jpn)**

[A case of intraosseous meningioma] Yuge T, et al. **No Shinkei Geka** 1991 Jan;19(1):79–82 (19 ref.) (Eng. Abstr.) **(Jpn)**

VETERINARY

The clinical presentation and diagnosis of intracranial neoplasia. Nafe LA. **Semin Vet Med Surg (Small Anim)** 1990 Nov;5(4):223–31 (17 ref.)

MENINGITIS

Bacterial meningitis in neonates and children. Sáez-Llorens X, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):623–44 (80 ref.)

CEREBROSPINAL FLUID

Persistent neutrophilic meningitis. Peacock JE Jr. **Infect Dis Clin North Am** 1990 Dec;4(4):747–67 (120 ref.)

Bacterial or viral meningitis? Measuring lactate in CSF can help you know quickly. Bailey EM, et al. **Postgrad Med** 1990 Oct;88(5):217–9, 223 (26 ref.)

COMPLICATIONS

The role of corticosteroids in infants and children with bacterial meningitis. Bahal N, et al. **DICP** 1991 May; 25(5):542–5 (23 ref.)

Neurologic and psychiatric manifestations of HIV disease. Hollander H. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S24–31 (57 ref.)

Corticosteroids and bacterial meningitis. Kaplan SL. **Scand J Infect Dis Suppl** 1990;73:43–54 (56 ref.)

Cryptococcal meningitis in the acquired immunodeficiency syndrome. Panther LA, et al. **Semin Respir Infect** 1990 Jun;5(2):138–45 (34 ref.)

[Meningitis caused by Candida tropicalis in a patient infected with human immunodeficiency virus (letter)] Sánchez Rodríguez A, et al. **Enferm Infecc Microbiol Clin** 1990 Nov; 8(9):588–9 (10 ref.) **(Spa)**

DIAGNOSIS

Approach to diagnosis of meningitis. Cerebrospinal fluid evaluation. Greenlee JE. **Infect Dis Clin North Am** 1990 Dec;4(4):583–98 (87 ref.)

Fungal meningitis. Treseler CB, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):789–808 (113 ref.)

Bacterial meningitis: an update. Shelton MM, et al. **Neurol Clin** 1990 Aug;8(3):605–17 (108 ref.)

Nocardial meningitis: case reports and review. Bross JE, et al. **Rev Infect Dis** 1991 Jan–Feb;13(1):160–5 (39 ref.)

DRUG THERAPY

Potential role of fluoroquinolones in the treatment of bacterial meningitis. Modai J. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):291–5 (25 ref.)

Antibiotic therapy of acute bacterial meningitis. Shendurnikar N, et al. **Indian Pediatr** 1990 Oct; 27(10):1139–44 (11 ref.)

General principles of therapy of pyogenic meningitis. Täuber MG, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):661–76 (77 ref.)

Current antibacterial therapy for neonatal sepsis and meningitis. Klein JO. **Pediatr Infect Dis J** 1990 Oct; 9(10):783–4 (4 ref.)

Adjuncts to the therapy of bacterial meningitis. Tuomanen E. **Pediatr Infect Dis J** 1990 Oct;9(10):782–3 (24 ref.)

Antibiotic resistance in Europe and the current use of antibiotics in severe pediatric infections. Levy J. **Scand J Infect Dis Suppl** 1990;73:23–9 (50 ref.)

Pharmacodynamics of antibiotics in experimental bacterial meningitis—two sides to rapid bacterial killing in the cerebrospinal fluid. Täuber MG, et al. **Scand J Infect Dis Suppl** 1990;74:173–8 (35 ref.)

EPIDEMIOLOGY

Recurrent meningitis in a patient with congenital deficiency of the C9 component of complement. First case of C9 deficiency in Europe. Zoppi M, et al. **Arch Intern Med** 1990 Nov;150(11):2395–9 (43 ref.)

ETIOLOGY

Meningitis in the neurosurgical patient. Kaufman BA, et al.

Infect Dis Clin North Am 1990 Dec;4(4):677–701 (137 ref.)
Pathogenesis and pathophysiology of meningitis. Tunkel AR, et al. Infect Dis Clin North Am 1990 Dec;4(4):555–81 (142 ref.)
Meningitis in a neonate caused by Leuconostoc sp. Friedland IR, et al. J Clin Microbiol 1990 Sep;28(9):2125–6 (11 ref.)
Cervical neurenteric fistula causing recurrent meningitis in Klippel–Feil sequence: case report and literature review. Gumerlock MK, et al. Pediatr Infect Dis J 1991 Jul; 10(7):532–5 (24 ref.)
Bacteriology of neonatal sepsis. Klein JO. Pediatr Infect Dis J 1990 Oct;9(10):778 (7 ref.)
[Mollusca contagiosa–like cutaneous cryptococcosis in AIDS: a case] Poizot–Martin I, et al. Ann Dermatol Venereol 1991;118(1):29–32 (21 ref.) (Fre)
[Meningitis and ventriculitis in the newborn infant] Figueras J, et al. An Esp Pediatr 1989 Sep;31 Suppl 38:43–8 (41 ref.) (Spa)

IMMUNOLOGY

The immunology of sepsis and meningitis—cytokine biology. Jacobs RF, et al. Scand J Infect Dis Suppl 1990;73:7–15 (52 ref.)

METABOLISM

Advances in understanding the pharmacology of agents used to treat bacterial meningitis. Spector R. Pharmacology 1990; 41(3):113–8 (25 ref.)

MICROBIOLOGY

Pseudomeningitis caused by Pseudomonas paucimobilis. Mitrani–Schwartz A, et al. Heart Lung 1991 May; 20(3):305–7 (18 ref.)
Bacterial meningitis in adults. Wispelwey B, et al. Infect Dis Clin North Am 1990 Dec;4(4):645–59 (61 ref.)
Streptococcus bovis meningitis: report of 2 cases. Purdy RA, et al. Neurology 1990 Nov;40(11):1782–4 (18 ref.)
Infections with Chryseomonas luteola (CDC group Ve–1) and Flavimonas oryzihabitans (CDC group Ve–2) in neurosurgical patients. Kostman JR, et al. Rev Infect Dis 1991 Mar–Apr;13(2):233–6 (17 ref.)
[Meningitis caused by non–tuberculous mycobacteria] Santamaría JM. Enferm Infecc Microbiol Clin 1989 Jun–Jul; 7(6):329–31 (44 ref.) (Spa)
[Skin manifestations of infection by Borrelia burgdorferi] Soria C, et al. Enferm Infecc Microbiol Clin 1990 Jan; 8(1):36–42 (60 ref.) (Eng. Abstr.) (Spa)

PARASITOLOGY

Meningitis due to protozoa and helminths. Niu MT, et al. Infect Dis Clin North Am 1990 Dec;4(4):809–41 (187 ref.)

PATHOLOGY

Hypertrophic spinal pachymeningitis: report of two cases and review of the literature. Ashkenazi E, et al. Neurosurgery 1991 May;28(5):730–2 (22 ref.)

PHYSIOPATHOLOGY

Elevated cerebrospinal fluid pressures in patients with cryptococcal meningitis and acquired immunodeficiency syndrome. Denning DW, et al. Am J Med 1991 Sep; 91(3):267–72 (39 ref.)
[Bacterial meningitis in young children. Current viewpoints in pathogenesis, treatment and prevention] de Groot R, et al. Tijdschr Kindergeneeskd 1990 Dec;58(6):193–200 (42 ref.) (Eng. Abstr.) (Dut)

PREVENTION & CONTROL

Do prophylactic antibiotics prevent meningitis after basilar skull fracture? Rathore MH. Pediatr Infect Dis J 1991 Feb; 10(2):87–8 (12 ref.)

RADIOGRAPHY

Role of computed tomography in the early management of bacterial meningitis. Haslam RH. J Pediatr 1991 Jul;119(1 (Pt 1)):157–9 (13 ref.)

MENINGITIS, ASEPTIC

[Mollaret's syndrome: recurrent benign aseptic meningitis] Hendler N, et al. Harefuah 1991 Mar 15;120(6):350–1 (18 ref.) (Heb)

CHEMICALLY INDUCED

Central nervous system side effects of nonsteroidal anti–inflammatory drugs. Aseptic meningitis, psychosis, and cognitive dysfunction. Hoppmann RA, et al. Arch Intern Med 1991 Jul;151(7):1309–13 (51 ref.)
Aseptic meningitis and muromonab–CD3 therapy. Drees C, et al. DICP 1991 Feb;25(2):138–9 (19 ref.)

COMPLICATIONS

Infantile inflammatory multisystem disease: clinicopathological findings and review of the literature. Horoupian DS, et al. Clin Neuropathol 1990 Jul–Aug; 9(4):170–6 (22 ref.)

DIAGNOSIS

[Anamnesis, clinical aspects and laboratory findings in juvenile "aseptic meningitis" in Lyme borreliosis—a meta–analysis] Aufricht C, et al. Klin Padiatr 1990 Nov–Dec;202(6):396–8 (23 ref.) (Eng. Abstr.) (Ger)

ETIOLOGY

Recurrent aseptic meningitis secondary to intracranial epidermoid cyst and Mollaret's meningitis: two distinct entities or a single disease? A case report and a nosologic discussion. Achard JM, et al. Am J Med 1990 Dec; 89(6):807–10 (30 ref.)
Central nervous system epidermoid cyst: a probable etiology of Mollaret's meningitis. Crossley GH, et al. Am J Med 1990 Dec;89(6):805–6 (8 ref.)
Aseptic meningitis. Dalton M, et al. Dev Med Child Neurol 1991 May;33(5):446–51 (41 ref.)
The acute aseptic meningitis syndrome. Connolly KJ, et al. Infect Dis Clin North Am 1990 Dec;4(4):599–622 (109 ref.)
[Neurological complication of human immunodeficiency virus infection] Koralnik IJ, et al. Presse Med 1991 Jun 22;20(24):1129–35 (19 ref.) (Eng. Abstr.) (Fre)
[Recurrent aseptic meningitis in periodic disease or Mollaret's meningitis?] Collard M, et al. Rev Neurol (Paris) 1991; 147(5):403–5 (13 ref.) (Eng. Abstr.) (Fre)

IMMUNOLOGY

[Mollaret benign recurrent aseptic meningitis. Case report, results of cerebrospinal fluid cytology and review of the literature] Bamborschke S, et al. Nervenarzt 1990 Oct; 61(10):615–9 (29 ref.) (Eng. Abstr.) (Ger)

MENINGITIS, HAEMOPHILUS

DRUG THERAPY

Dexamethasone and nonsteroidal anti–inflammatory agents in the treatment of bacterial meningitis. Roos KL. Clin Ther 1990 Jul–Aug;12(4):290–6; discussion 289 (22 ref.)
[Meningitis caused by Haemophilus influenzae: study of 28 cases] González García E, et al. An Esp Pediatr 1990 Nov; 33(5):413–7 (52 ref.) (Eng. Abstr.) (Spa)

EPIDEMIOLOGY

World–wide epidemiology of Haemophilus influenzae meningitis; industrialized versus non–industrialized countries. Bijlmer HA. Vaccine 1991 Jun;9 Suppl:S5–9; discussion S25 (36 ref.)

PREVENTION & CONTROL

Prevention of bacterial meningitis. Vaccines and chemoprophylaxis. Lieberman JM, et al. Infect Dis Clin North Am 1990 Dec;4(4):703–29 (128 ref.)

MENINGITIS, LISTERIA

COMPLICATIONS

Listeriosis in patients infected with human immunodeficiency virus. Berenguer J, et al. Rev Infect Dis 1991 Jan–Feb; 13(1):115–9 (31 ref.)
Listeria monocytogenes infections in patients with AIDS: report of five cases and review. Decker CF, et al. Rev Infect Dis 1991 May–Jun;13(3):413–7 (38 ref.)

DIAGNOSIS

[Listeriosis of the central nervous system] Nau R, et al. Fortschr Neurol Psychiatr 1990 Nov;58(11):408–22 (127 ref.) (Eng. Abstr.) (Ger)

MENINGITIS, MENINGOCOCCAL

Early meningitis. Moss RB, et al. Clin Pediatr (Phila) 1991 Apr;30(4):229–30 (11 ref.)

BLOOD

[Renal function in meningococcal infection. Analysis of 116 cases] Mar Molinero F, et al. An Esp Pediatr 1991 Jan; 34(1):57–61 (26 ref.) (Eng. Abstr.) (Spa)

DRUG THERAPY

Some arguments on early hospital admission and treatment of suspected meningococcal disease cases. Gedde–Dahl TW, et al. NIPH Ann 1990 Dec;13(2):45–60 (62 ref.)

EPIDEMIOLOGY

Recurrent meningitis in a patient with congenital deficiency of the C9 component of complement. First case of C9 deficiency in Europe. Zoppi M, et al. Arch Intern Med 1990 Nov;150(11):2395–9 (43 ref.)

ETIOLOGY

Increased risk of neisserial infections in systemic lupus erythematosus. Mitchell SR, et al. Semin Arthritis Rheum 1990 Dec;20(3):174–84 (84 ref.)

IMMUNOLOGY

[Occurrence of complement defects in meningococcal disease: who should be examined?] Nielsen HE, et al. Ugeskr Laeger 1991 Apr 15;153(16):1113–6 (18 ref.) (Eng. Abstr.) (Dan)

MICROBIOLOGY

[Meningococcal sepsis in our area. Study of the disease severity factors and therapeutic management over a 10–year period] Loscertales Abril M, et al. An Esp Pediatr 1991 May;34(5):349–54 (33 ref.) (Eng. Abstr.) (Spa)

PREVENTION & CONTROL

Prevention of bacterial meningitis. Vaccines and chemoprophylaxis. Lieberman JM, et al. Infect Dis Clin North Am 1990 Dec;4(4):703–29 (128 ref.)

MENINGITIS, PNEUMOCOCCAL

COMPLICATIONS

Ruptured gastric artery aneurysm complicating pneumococcal sepsis: a case report and review. Costantino MJ. J Med Assoc Ga 1990 Sep;79(9):677–8 (17 ref.)

EPIDEMIOLOGY

[The epidemiology of meningitis caused by Streptococcus pneumoniae in a metropolitan area, Brazil, 1960–1977] de Moraes JC, et al. Rev Saude Publica 1990 Oct;24(5):348–60 (34 ref.) (Eng. Abstr.) (Por)

MICROBIOLOGY

Penicillin–resistant pneumococci. Allen KD. J Hosp Infect 1991 Jan;17(1):3–13 (61 ref.)

PREVENTION & CONTROL

Prevention of bacterial meningitis. Vaccines and chemoprophylaxis. Lieberman JM, et al. Infect Dis Clin North Am 1990 Dec;4(4):703–29 (128 ref.)

MENINGITIS, TUBERCULOUS see TUBERCULOSIS, MENINGEAL

MENINGITIS, VIRAL

CEREBROSPINAL FLUID

Bacterial or viral meningitis? Measuring lactate in CSF can help you know quickly. Bailey EM, et al. Postgrad Med 1990 Oct;88(5):217–9, 223 (26 ref.)

ETIOLOGY

The acute aseptic meningitis syndrome. Connolly KJ, et al. Infect Dis Clin North Am 1990 Dec;4(4):599–622 (109 ref.)
Pathogenesis and pathophysiology of meningitis. Tunkel AR, et al. Infect Dis Clin North Am 1990 Dec;4(4):555–81 (142 ref.)

MENINGOCELE

COMPLICATIONS

Anterior sacral meningocele and tuberculous spondylitis of the sacrum in a patient with neurofibromatosis. Case report and review of the literature. Mellion BT, et al. Neurofibromatosis 1989;2(5–6):299–308 (44 ref.)
[Spontaneous rhinorrhea disclosing intranasal meningoencephalocele and ependymoma of the 4th ventricle] Brunon J, et al. Neurochirurgie 1990;36(6):383–7 (20 ref.) (Eng. Abstr.) (Fre)

DIAGNOSIS

Occult, bilateral anterior sacral and intrasacral meningeal and perineurial cysts: case report and review of the literature. North RB, et al. Neurosurgery 1990 Dec;27(6):981–6 (56 ref.)

ETIOLOGY

[Pseudomeningocele after laminectomy] García de la Rocha ML, et al. An Med Interna 1990 Oct;7(10):531–3 (12 ref.) (Eng. Abstr.) (Spa)

PATHOLOGY

Neurenteric cysts with meningomyelocele or meningocele. Split notochord syndrome. Ebisu T, et al. Childs Nerv Syst 1990 Dec;6(8):465–7 (14 ref.)
Optic nerve sheath meningoceles. Clinical and radiographic features in 13 cases with a review of the literature [see comments] Garrity JA, et al. Ophthalmology 1990 Nov; 97(11):1519–31 (46 ref.) Comment in: Ophthalmology 1991 May;98(5):562.

SURGERY

[A case of transsphenoidal meningoencephalocele] Kobayashi S, et al. No Shinkei Geka 1990 Nov;18(11):1065–70 (9 ref.) (Eng. Abstr.) (Jpn)

MENINGOCOCCAL INFECTIONS

Primary meningococcal conjunctivitis: report of 21 patients and review. Barquet N, et al. **Rev Infect Dis** 1990 Sep–Oct; 12(5):838–47 (68 ref.)

BLOOD

[Renal function in meningococcal infection. Analysis of 116 cases] Mar Molinero F, et al. **An Esp Pediatr** 1991 Jan; 34(1):57–61 (26 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Purulent pericarditis in infancy. Gersony WM, et al. **Pediatrics** 1967 Aug;40(2):224–32 (33 ref.)

DRUG THERAPY

Some arguments on early hospital admission and treatment of suspected meningococcal disease cases. Gedde-Dahl TW, et al. **NIPH Ann** 1990 Dec;13(2):45–60 (62 ref.)

EPIDEMIOLOGY

[Meningococcal sepsis in our area. Study of the disease severity factors and therapeutic management over a 10-year period] Loscertales Abril M, et al. **An Esp Pediatr** 1991 May;34(5):349–54 (33 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Iron acquisition and the pathogenesis of meningococcal and gonococcal disease. van Putten JP. **Med Microbiol Immunol (Berl)** 1990;179(6):289–95 (58 ref.)

MICROBIOLOGY

[Studying the levels of endotoxemia in meningococcal sepsis. Its relations to pregnancy and antibiotic treatment] Loscertales Abril M, et al. **An Esp Pediatr** 1991 May; 34(5):355–9 (38 ref.) (Eng. Abstr.) **(Spa)**

MENINGOCOCCUS see **NEISSERIA MENINGITIDIS**

MENINGOENCEPHALITIS

COMPLICATIONS

AIDS meningoencephalomyelitis. Pathogenesis and changing neuropathologic findings. Rhodes RH, et al. **Pathol Annu** 1991;26 Pt 2:247–76 (231 ref.)

ETIOLOGY

Leptomyxid ameba, a new agent of amebic meningoencephalitis in humans and animals. Visvesvara GS, et al. **J Clin Microbiol** 1990 Dec;28(12):2750–6 (29 ref.)

Immunohistochemistry of human immunodeficiency virus in the central nervous system and an hypothesis concerning the pathogenesis of AIDS meningoencephalomyelitis. Rhodes RH, et al. **Prog AIDS Pathol** 1989;1:167–79 (69 ref.)

[Late neurosyphilis: a current disease] Chemouilli P, et al. **Rev Med Interne** 1989 Nov–Dec;10(6):503–8 (54 ref.) (Eng. Abstr.) **(Fre)**

[Meningoencephalitis caused by Coxiella burnetii] Dano P, et al. **Rev Neurol (Paris)** 1990;146(8–9):511–3 (11 ref.) (Eng. Abstr.) **(Fre)**

[Meningoencephalitis in Kawasaki disease] Takagi K, et al. **No To Hattatsu** 1990 Sep;22(5):429–35 (20 ref.) (Eng. Abstr.) **(Jpn)**

MENINGOMYELOCELE

COMPLICATIONS

Treatment of severe kyphosis in myelomeningocele by segmental spinal instrumentation with Luque rods. Kadic MA, et al. **Acta Orthop Belg** 1991;57(1):45–51 (24 ref.)

Myelomeningocele. Lindseth RE, et al. **Instr Course Lect** 1991;40:271–91 (61 ref.)

Ophthalmologic complications of meningomyelocele: a longitudinal study. Biglan AW. **Trans Am Ophthalmol Soc** 1990;88:389–462 (95 ref.)

PATHOLOGY

Neurenteric cysts with meningomyelocele or meningocele. Split notochord syndrome. Ebisu T, et al. **Childs Nerv Syst** 1990 Dec;6(8):465–7 (14 ref.)

THERAPY

The tethered cord in myelomeningocele: should it be untethered? Banta JV. **Dev Med Child Neurol** 1991 Feb; 33(2):173–6 (34 ref.)

Meningomyelocele in the neonate: medical and ethical considerations. Steinberg A. **J Perinatol** 1991 Mar; 11(1):51–6 (48 ref.)

MENISCI, TIBIAL

INJURIES

Meniscal trauma (of the knee) and surgical intervention. A review of literature. Kelley MJ Jr. **J Sports Med Phys Fitness** 1990 Sep;30(3):297–306 (29 ref.)

Meniscal injuries. Folcik MA. **Nurs Clin North Am** 1991 Mar; 26(1):181–98 (9 ref.)

Meniscal salvage: maintenance of function. Dugas RW. **Orthopedics** 1991 Jun;14(6):717–9 (50 ref.)

SURGERY

Strength recovery and muscle activation of the knee extensor and flexor muscles after arthroscopic meniscectomy. A pilot study. Durand A, et al. **Clin Orthop** 1991 Jan; (262):210–26 (76 ref.)

Meniscal repair. Cooper DE, et al. **Clin Sports Med** 1991 Jul;10(3):529–48 (55 ref.)

MENKES SYNDROME see **KINKY HAIR SYNDROME**

MENOPAUSE

see related
ESTROGEN REPLACEMENT THERAPY
OSTEOPOROSIS, POSTMENOPAUSAL

Menopause-related affective disorders: a justification for further study. Schmidt PJ, et al. **Am J Psychiatry** 1991 Jul;148(7):844–52 (70 ref.)

Contraception in the perimenopause. Hollingworth BA, et al. **Br J Hosp Med** 1991 Apr;45(4):213–5 (17 ref.)

Reproductive factors and colorectal cancer. La Vecchia C, et al. **Cancer Causes Control** 1991 May;2(3):193–200 (44 ref.)

Exercise participation after menopause. Sazy JA, et al. **Clin Sports Med** 1991 Apr;10(2):359–69 (26 ref.)

Cigarette smoking and the risk of natural menopause. Midgette AS, et al. **Epidemiology** 1990 Nov;1(6):474–80 (37 ref.)

Hyperparathyroidism, estrogens, and osteoporosis. Avioli LV. **Hosp Pract [Off]** 1991 Jan 15;26(1):115–22, 127–8, 133–4 (12 ref.)

Estrogen replacement therapy and coronary heart disease: a quantitative assessment of the epidemiologic evidence. Stampfer MJ, et al. **Prev Med** 1991 Jan;20(1):47–63 (41 ref.)

Endometrial thickness after menopause: effect of hormone replacement [see comments] Lin MC, et al. **Radiology** 1991 Aug;180(2):427–32 (20 ref.) Comment in: Radiology 1991 Aug;180(2):306.

[Ovarian cysts in women over 50 years of age. A retrospective study from 1979 to 1989 at Foch Medicosurgical Center] Pinet C, et al. **J Chir (Paris)** 1990 Nov;127(11):528–32 (28 ref.) (Eng. Abstr.) **(Fre)**

[Approach to urinary tract disorders in postmenopausal women] Fernandes CE, et al. **Rev Paul Med** 1990 Sep–Oct; 108(5):230–5 (18 ref.) (Eng. Abstr.) **(Por)**

BLOOD

Menopause: estrogen replacement, osteoporosis, and serum lipoproteins. Gnatuk CL, et al. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):187–94 (15 ref.)

[Endocrinology of the peri- and postmenopausal period] von Holst T. **Zentralbl Gynakol** 1991;113(5):237–44 (11 ref.) (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

A risk-benefit assessment of estrogen therapy in postmenopausal women. Cust MP, et al. **Drug Saf** 1990 Sep–Oct;5(5):345–58 (81 ref.)

Transdermal estradiol. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic efficacy in the treatment of menopausal complaints. Balfour JA, et al. **Drugs** 1990 Oct;40(4):561–82 (73 ref.)

Management of menopause when estrogen cannot be used. Young RL, et al. **Drugs** 1990 Aug;40(2):220–30 (59 ref.)

Antiestrogen chemoprevention of breast cancer: critical issues and research. Love RR. **Prev Med** 1991 Jan; 20(1):64–78 (94 ref.)

Risk/benefit considerations of antiestrogen/estrogen therapy in healthy postmenopausal women. Miller AB. **Prev Med** 1991 Jan;20(1):79–85 (9 ref.)

Estrogen therapy during menopause and the treatment of osteoporosis. Noyes MA, et al. **Prim Care** 1990 Sep; 17(3):647–66 (137 ref.)

[Use of estrogens during and after menopause. A statement from a consensus conference on the use of estrogens during and after menopause, Soria Moria, Oslo 27–29 November 1990] **Tidsskr Nor Laegeforen** 1991 Jan 10;111(1):75–7 (0 ref.) **(Nor)**

[The effect of hormonal drugs used during menopause on the cardiovascular system] Szymasiuk J, et al. **Pol Tyg Lek** 1989 Dec 2–24;44(49–52):970–2 (20 ref.) **(Pol)**

[Current view on the use of steroidal estrogens during menopause in women] Szymasiuk J, et al. **Pol Tyg Lek** 1989 Dec 2–24;44(49–52):965–9 (37 ref.) **(Pol)**

[Hormonal substitution after menopause—advantages and risks] Bengtsson C. **Lakartidningen** 1990 Dec 12; 87(50):4331–3 (15 ref.) **(Swe)**

METABOLISM

Predictive value of tumor estrogen and progesterone receptor levels in postmenopausal women with advanced breast cancer treated with toremifene. Valavaara R, et al. **Cancer** 1990 Dec 1;66(11):2264–9 (47 ref.)

PHYSIOLOGY

Ovarian failure including menopause, premature menopause, and resistant ovarian syndrome, and hormonal replacement. Katz E, et al. **Curr Opin Obstet Gynecol** 1990 Jun; 2(3):392–7 (25 ref.)

Perimenopausal hormone replacement therapy. Review of the literature. Lichtman R. **J Nurse Midwifery** 1991 Jan–Feb;36(1):30–48 (198 ref.)

The perimenopausal period. Implications for nurse-midwifery practice. Scharbo-DeHaan M, et al. **J Nurse Midwifery** 1991 Jan–Feb;36(1):9–16 (25 ref.)

Prevention of menopausal sequelae. Bachmann GA. **N J Med** 1991 Mar;88(3):181–4 (31 ref.)

[Ovarian hormones and cutaneous aging] de Lignières B. **Rev Fr Gynecol Obstet** 1991 Jun;86(6):451–4 (8 ref.) (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Psychological and sexual aspects of the menopause. Montgomery JC, et al. **Br J Hosp Med** 1991 May; 45(5):300–2 (31 ref.)

Psychiatric aspects of the menopause [see comments] Ballinger CB. **Br J Psychiatry** 1990 Jun;156:773–87 (142 ref.) Comment in: Br J Psychiatry 1990 Dec;157:931–2.

Psychosexual changes associated with the perimenopausal period. McCraw RK. **J Nurse Midwifery** 1991 Jan–Feb; 36(1):17–24 (34 ref.)

Emotional well-being, sexual behaviour and hormone replacement therapy. Hunter MS. **Maturitas** 1990 Sep; 12(3):299–314 (108 ref.)

MENOPAUSE, PREMATURE

Premature ovarian failure: update. Cohen I, et al. **Obstet Gynecol Surv** 1991 Mar;46(3):156–62 (77 ref.)

PHYSIOLOGY

Ovarian failure including menopause, premature menopause, and resistant ovarian syndrome, and hormonal replacement. Katz E, et al. **Curr Opin Obstet Gynecol** 1990 Jun; 2(3):392–7 (25 ref.)

[Pathophysiology of systemic changes in premature menopause] Kolesnikova TN. **Akush Ginekol (Mosk)** 1990 Dec;(12):7–11 (81 ref.) **(Rus)**

MENORRHAGIA

Premenstrual syndrome, dysmenorrhea, and menorrhagia. Vaughn BM, et al. **Curr Opin Obstet Gynecol** 1989 Dec; 1(2):212–5 (9 ref.)

Menorrhagia. Long CA, et al. **Obstet Gynecol Clin North Am** 1990 Jun;17(2):343–59 (51 ref.)

DRUG THERAPY

The medical management of menorrhagia. Higham JM. **Br J Hosp Med** 1991 Jan;45(1):19–21 (29 ref.)

SURGERY

Transcervical endometrial resection for abnormal uterine bleeding—report of 100 cases and review of the literature. Maher PJ, et al. **Aust N Z J Obstet Gynaecol** 1990 Nov; 30(4):357–60 (39 ref.)

Surgical alternatives to hysterectomy for intractable menorrhagia [see comments] Boto TC, et al. **Br J Hosp Med** 1990 Aug;44(2):93–9 (50 ref.) Comment in: Br J Hosp Med 1990 Nov;44(5):318.

MENOTROPIN RECEPTORS see **RECEPTORS, GONADOTROPIN**

MENOTROPINS

Early miscarriage and fetal malformations after induction of ovulation (by clomiphene citrate and/or human menotropins), in vitro fertilization, and gamete intrafallopian transfer. Shoham Z, et al. **Fertil Steril** 1991 Jan;55(1):1–11 (88 ref.)

ADVERSE EFFECTS

[The hyperstimulation syndrome] Kleinstein J. **Gynakologe** 1991 Jun;24(3):130–5 (24 ref.) **(Ger)**

PHARMACOLOGY

The role of superovulation with menotropins in ovulatory infertility: a review [see comments] Corsan GH, et al. **Fertil Steril** 1991 Mar;55(3):468–77 (99 ref.) Comment in: Fertil Steril 1991 Mar;55(3):478–80.

THERAPEUTIC USE

The use of GnRH agonists with hMG for induction or stimulation of ovulation. Hedon B, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):575–87 (52 ref.)

[The use of LHRH analogs in ovulation induction] Hedon B, et al. **Rev Fr Gynecol Obstet** 1991 Feb 15;86(2):97–9 (22 ref.) (Eng. Abstr.) **(Fre)**

MENSTRUAL CYCLE

The multifrequency (circadian, fertility cycle, and season) balance between host and cancer. Hrushesky WJ. **Ann N Y Acad Sci** 1991;618:228–56 (56 ref.)

DRUG EFFECTS

Biobehavioral research on nicotine use in women. Pomerleau CS, et al. **Br J Addict** 1991 May;86(5):527–31 (40 ref.)

METABOLISM

Regulation of endometrial prostaglandins during the menstrual cycle and in early pregnancy. Salamonsen LA, et al. **Reprod Fertil Dev** 1990;2(5):443–57 (133 ref.)

PHYSIOLOGY

Value of ultrasound during the menstrual cycle and early pregnancy. Steer CV. **Br Med Bull** 1990 Jul;46(3):733–52 (81 ref.)

Ovulatory disorders and infertility in women with regular menstrual cycles. Wu CH. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):398–404 (17 ref.)

Clinical manifestations of hormonal changes in the menstrual cycle. Bates GW, et al. **Obstet Gynecol Clin North Am** 1990 Jun;17(2):299–310 (16 ref.)

Influence of the menstrual cycle on systemic diseases. Boggess KA, et al. **Obstet Gynecol Clin North Am** 1990 Jun;17(2):321–42 (99 ref.)

Characteristics and control of the normal menstrual cycle. Espey LL, et al. **Obstet Gynecol Clin North Am** 1990 Jun; 17(2):275–98 (109 ref.)

Cyclic pelvic pain. Muse KN. **Obstet Gynecol Clin North Am** 1990 Jun;17(2):427–40 (35 ref.)

The central control of follicular maturation and ovulation in the human. Leyendecker G, et al. **Oxf Rev Reprod Biol** 1990;12:93–146 (256 ref.)

Physical exercise and menstrual cycle alterations. What are the mechanisms? Keizer HA, et al. **Sports Med** 1990 Oct; 10(4):218–35 (105 ref.)

Identifying the fertile phase of the human menstrual cycle. Royston P. **Stat Med** 1991 Feb;10(2):221–40 (19 ref.)

[Role of the pineal body in reproduction and in gynecologic tumors] Bartsch C, et al. **Geburtshilfe Frauenheilkd** 1991 Jan;51(1):1–8 (97 ref.) (Eng. Abstr.) **(Ger)**

[Menstrual cycle, opioids and hypothalamic amenorrhea: from physiology to pathology] Krause B, et al. **Zentralbl Gynakol** 1990;112(12):725–33 (0 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Women, violent crime and the menstrual cycle: a review [see comments] Vanezis P. **Med Sci Law** 1991 Jan;31(1):11–4 (19 ref.) Comment in: Med Sci Law 1991 Apr;31(2):183.

MENSTRUAL CYCLE, LUTEAL PHASE see **LUTEAL PHASE**

MENSTRUAL PROLIFERATIVE PHASE see **MENSTRUAL CYCLE**

MENSTRUAL SECRETORY PHASE see **MENSTRUAL CYCLE**

MENSTRUATION

Menstrual mythology and sources of information about menstruation. Cumming DC, et al. **Am J Obstet Gynecol** 1991 Feb;164(2):472–6 (24 ref.)

Reproductive factors and colorectal cancer. La Vecchia C, et al. **Cancer Causes Control** 1991 May;2(3):193–200 (44 ref.)

The impact of spinal cord injury on female sexuality, menstruation and pregnancy: a review of the literature. Sipski ML. **J Am Paraplegia Soc** 1991 Jul;14(3):122–6 (32 ref.)

Catamenial hemoptysis: a case report and review of the literature. Guidry GG, et al. **J La State Med Soc** 1990 Nov;142(11):27–30 (16 ref.)

METABOLISM

Human menstruation and eicosanoids. Rees MC. **Reprod Fertil Dev** 1990;2(5):467–76 (53 ref.)

MENSTRUATION DISORDERS

Managing abnormal vaginal bleeding. Nesse RE. **Postgrad Med** 1991 Jan;89(1):205–8, 213–4 (10 ref.)

COMPLICATIONS

Cyclic pelvic pain. Muse KN. **Obstet Gynecol Clin North Am** 1990 Jun;17(2):427–40 (35 ref.)

DRUG THERAPY

Risk–benefit assessment of drugs used for the treatment of menstrual disorders. Higham JM, et al. **Drug Saf** 1991 May–Jun;6(3):183–91 (47 ref.)

ETIOLOGY

Exercise in women. Effects on reproductive system and pregnancy. Warren MP. **Clin Sports Med** 1991 Jan; 10(1):131–9 (44 ref.)

The possible involvement of endogenous opioid peptides and catecholestrogens in provoking menstrual irregularities in women athletes. De Crée C. **Int J Sports Med** 1990 Oct; 11(5):329–48 (150 ref.)

Systemic illness and menstrual dysfunction. Steinkampf MP. **Obstet Gynecol Clin North Am** 1990 Jun;17(2):311–9 (41 ref.)

Physical exercise and menstrual cycle alterations. What are the mechanisms? Keizer HA, et al. **Sports Med** 1990 Oct; 10(4):218–35 (105 ref.)

[Exogenous modification of reproductive disorders; more questions than facts] Zielhuis GA, et al. **Ned Tijdschr Geneeskd** 1991 Jun 22;135(25):1117–20 (45 ref.) **(Dut)**

[Hirsutism and androgenic menstrual cycle irregularities] Carol W, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25; 85(3–4):153–7 (9 ref.) **(Ger)**

PHYSIOPATHOLOGY

[Hypophyseal–thyroid system in patients with menstrual dysfunction] Prilepskaia VN, et al. **Akush Ginekol (Mosk)** 1991 Mar;(3):5–8 (71 ref.) **(Rus)**

THERAPY

Menstrual disorders and their management. Zacur HA, et al. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):405–11 (14 ref.)

MENSTRUATION INDUCING AGENTS

Progesterone receptor antagonists and prostaglandins in human fertility regulation: a clinical review. Healy DL. **Reprod Fertil Dev** 1990;2(5):477–90 (51 ref.)

MENSTRUATION, LUTEAL PHASE see **LUTEAL PHASE**

MENSTRUATION, RETROGRADE see **MENSTRUATION DISORDERS**

MENTAL DEFICIENCY see **MENTAL RETARDATION**

MENTAL DISORDERS

Biomedical experimentation on the mentally handicapped: ethical and legal dilemmas. Baudouin JL. **Med Law** 1990; 9(4):1052–61 (27 ref.)

Psychiatry. Granville-Grossman K. **Postgrad Med J** 1990 Sep;66(779):699–709 (74 ref.)

Psychiatric night calls. Holmes J. **Practitioner** 1990 Aug; 234(1493):772–5 (4 ref.)

[Violent behavior among hospitalized psychiatric patients. 1. Occurrence and psychopathology] Benjaminsen S. **Ugeskr Laeger** 1991 Aug 5;153(32):2217–20 (30 ref.) (Eng. Abstr.) **(Dan)**

[Violent behavior among hospitalized psychiatric patients. 2. The significance of the functioning of the department and the reactions of the staff] Benjaminsen S. **Ugeskr Laeger** 1991 Aug 5;153(32):2221–5 (30 ref.) (Eng. Abstr.) **(Dan)**

BLOOD

Red blood cell molecular abnormalities in non haematological diseases. De Sandre G, et al. **Haematologica** 1990 Sep–Oct; 75(5):447–53 (66 ref.)

Psychopharmacology in patients with renal failure. Levy NB. **Int J Psychiatry Med** 1990;20(4):325–34 (20 ref.)

CHEMICALLY INDUCED

Interictal psychiatric disorders. Neurochemical aspects. Reynolds EH. **Adv Neurol** 1991;55:47–58 (73 ref.)

Central nervous system reactions to histamine-2 receptor blockers. Cantú TG, et al. **Ann Intern Med** 1991 Jun 15; 114(12):1027–34 (107 ref.)

The potential for mental status changes associated with systemic absorption of anticholinergic ophthalmic medications: concerns in the elderly. Barker DB, et al. **DICP** 1990 Sep;24(9):847–50 (21 ref.)

Psychiatric side effects associated with the ten most commonly dispensed prescription drugs: a review. Hubbard JR, et al. **J Fam Pract** 1991 Aug;33(2):177–86 (111 ref.)

The long-term neurobehavioral consequences of substance abuse: conceptual and methodological challenges for future research. Reed RJ, et al. **NIDA Res Monogr** 1990;101:10–56 (272 ref.)

CLASSIFICATION

Disease, illness, sickness; impairment, disability and handicap [editorial] Susser M. **Psychol Med** 1990 Aug;20(3):471–3 (26 ref.)

COMPLICATIONS

Dual diagnoses: psychiatric syndromes in alcoholism and drug addiction. Miller NS, et al. **Am Fam Physician** 1991 Jun;43(6):2071–6 (27 ref.)

Prelingual deafness and psychiatry. Kitson N, et al. **Br J Hosp Med** 1990 Nov;44(5):353–6 (33 ref.)

Psychiatric disorders in the medically ill. Wise MG, et al. **J La State Med Soc** 1990 Oct;142(10):31–4 (13 ref.)

Psychiatric disorders in patients with esophageal disease. Clouse RE. **Med Clin North Am** 1991 Sep;75(5):1081–96 (82 ref.)

AIDS risk in the chronically mentally ill: clinical strategies for prevention. Brady SM, et al. **New Dir Ment Health Serv** 1990 Winter;(48):83–95 (31 ref.)

Dual diagnosis of major mental illness and substance disorder: an overview. Drake RE, et al. **New Dir Ment Health Serv** 1991 Summer;(50):3–12 (55 ref.)

Psychiatric management of sleep disorders. Lilie JK, et al. **Psychiatr Med** 1991;9(2):245–60 (62 ref.)

[Sudden death in psychiatric patients] Levkovitz Y, et al. **Harefuah** 1990 Nov 15;119(10):323–6 (36 ref.) **(Heb)**

DIAGNOSIS

Frontal lobe seizures and epilepsies in neurobehavioral disorders. Delgado-Escueta AV, et al. **Adv Neurol** 1991; 55:317–40 (67 ref.)

DSM-IV: work in progress. Frances A, et al. **Am J Psychiatry** 1990 Nov;147(11):1439–48 (77 ref.)

Magnetic resonance spectroscopy in psychiatry: potential, pitfalls, and promise. Keshavan MS, et al. **Am J Psychiatry** 1991 Aug;148(8):976–85 (69 ref.)

Psychological assessment versus psychological testing. Validation from Binet to the school, clinic, and courtroom. Matarazzo JD. **Am Psychol** 1990 Sep;45(9):999–1017 (63 ref.)

Dichotic listening: new developments and applications in clinical research. Bruder GE. **Ann N Y Acad Sci** 1991; 620:217–32 (70 ref.)

Positron emission tomography: basic principles and applications in psychiatric research. Volkow ND, et al. **Ann N Y Acad Sci** 1991;620:128–44 (98 ref.)

Diagnosis and clinical assessment. Widiger TA, et al. **Annu Rev Psychol** 1991;42:109–33 (135 ref.)

The rating of psychiatric impairment in forensic practice: a review. Mendelson G. **Aust N Z J Psychiatry** 1991 Mar; 25(1):84–94 (38 ref.)

The PQRSTUV: the Personal Questionnaire Rapid Scaling Technique—'Ultimate Version'. Chalkley AJ, et al. **Br J Clin Psychol** 1991 May;30 (Pt 2):181–3 (9 ref.)

Drug and alcohol dependence and psychiatric populations: the need for diagnosis, intervention, and training. Miller NS, et al. **Compr Psychiatry** 1991 May–Jun;32(3):268–76 (82 ref.)

Evaluation of behavioral and cognitive changes: the mental status examination. Bauer J, et al. **Emerg Med Clin North Am** 1991 Feb;9(1):1–12 (45 ref.)

Diagnosis and treatment of psychiatric disorders in medically ill inpatients. Fulop G, et al. **Hosp Community Psychiatry** 1991 Apr;42(4):389–94 (57 ref.)

Establishing the reliability and validity of neuropsychological disorders with low base rates: some recommended guidelines. Cicchetti DV, et al. **J Clin Exp Neuropsychol** 1991 Mar;13(2):328–38 (29 ref.)

The Millon Clinical Multiaxial Inventory (MCMI): a review. Wetzler S. **J Pers Assess** 1990 Winter;55(3–4):445–64 (53 ref.)

Medical evaluation of the elderly psychiatric patient. Aisen PS. **Mt Sinai J Med** 1991 Jan;58(1):85–90 (27 ref.)

Assessment of comorbid psychiatric illness and substance disorders. Kofoed L. **New Dir Ment Health Serv** 1991 Summer;(50):43–55 (34 ref.)

Assessing substance abuse and other psychiatric disorders: history of problems, state of affairs. Robins L. **NIDA Res Monogr** 1991;105:203–12 (7 ref.)

The concept of secondary depression and its relationship to comorbidity. Winokur G. **Psychiatr Clin North Am** 1990 Dec;13(4):567–83 (22 ref.)

Two-tier diagnosing in psychiatry. van Praag HM. **Psychiatry Res** 1990 Oct;34(1):1–11 (50 ref.)

Psychometric assessment of psychiatric disorders in people with learning difficulties (mental handicap): a review of measures. Sturmey P, et al. **Psychol Med** 1991 Feb; 21(1):143–55 (100 ref.)

[Behavior analytic approaches of research in psychiatry] Gaebel W. **Nervenarzt** 1990 Sep;61(9):527–35 (87 ref.) (Eng. Abstr.) **(Ger)**

[Diagnosis and classification in the tension field between description and interpretation] Steinhausen HC. **Prax Kinderpsychol Kinderpsychiatr** 1990 Sep;39(7):255–60 (18 ref.) (Eng. Abstr.) **(Ger)**

[Change in diagnostic and therapeutic viewpoints: the contribution of psychoanalysis] Zauner J. **Prax Kinderpsychol Kinderpsychiatr** 1990 Nov–Dec; 39(9–10):358–61 (8 ref.) (Eng. Abstr.) **(Ger)**

[Possibilities of mathematical modeling in psychiatry (review of the literature)] Blokhina VP, et al. **Zh Nevropatol Psikhiatr** 1990;90(7):120–3 (74 ref.) **(Rus)**

[Organization of psychiatric services for adolescents (review of the literature)] Litvak VIa, et al. **Zh Nevropatol Psikhiatr** 1990;90(10):121–4 (58 ref.) **(Rus)**

DRUG THERAPY

Reversible and irreversible monoamine oxidase inhibitors in other psychiatric disorders. Liebowitz MR, et al. **Acta Psychiatr Scand Suppl** 1990;360:29–34 (43 ref.)

Neuroleptic drug use in the nursing home: the impact of OBRA. Burke WJ. **Am Fam Physician** 1991 Jun; 43(6):2125–30 (12 ref.)

Insights into the structure and function of GABA–benzodiazepine receptors: ion channels and psychiatry. Zorumski CF, et al. **Am J Psychiatry** 1991 Feb; 148(2):162–73 (114 ref.)

Psychotropic drugs in the elderly: principles of use. Crismon ML. **Am Pharm** 1990 Dec;NS30(12):57–63 (14 ref.)

Clozapine: a new antipsychotic drug. Hamilton D. **Arch Psychiatr Nurs** 1990 Aug;4(4):278–81 (25 ref.)

Niacin and vitamin B6 in mental functioning: a review of controlled trials in humans. Kleijnen J, et al. **Biol Psychiatry** 1991 May 1;29(9):931–41 (61 ref.)

Possible clinical applications of serenics and some implications of their preclinical profile for their clinical use in psychiatric disorders. Rasmussen DL, et al. **Drug Metabol Drug Interact** 1990;8(1–2):159–86 (131 ref.)

5–HT1A partial agonists. What is their future? Glitz DA, et al. **Drugs** 1991 Jan;41(1):11–8 (120 ref.)

Psychopharmacology and neuropsychiatric syndromes in organ transplantation. Trzepacz PT, et al. **Gen Hosp Psychiatry** 1991 Jul;13(4):233–45 (86 ref.)

Anesthesia and mental illness. Sedgwick JV, et al. **Int J Psychiatry Med** 1990;20(3):209–25 (39 ref.)

Psychoactive drug prescribing in Japan: epistemological and bioethical considerations. Sakai A. **J Med Philos** 1991 Apr; 16(2):139–53; discussion 155–60 (32 ref.)

Pharmacotherapy for southeast Asian psychiatric patients. Lin KM, et al. **J Nerv Ment Dis** 1991 Jun;179(6):346–50 (30 ref.)

Event–related potentials and the prediction of differential drug response in psychiatry. Hegerl U, et al. **Neuropsychobiology** 1990;23(2):99–108 (54 ref.)

Psychopharmacology and clinical practice. Glod CA. **Nurs Clin North Am** 1991 Jun;26(2):375–99 (28 ref.)

Tricyclic antidepressants and children. Newcomb P. **Nurse Pract** 1991 May;16(5):26–8, 30, 33 (21 ref.)

Clinical concerns in psychopharmacology. Beresford TP, et al. **Psychiatr Med** 1990;8(4):1–11 (20 ref.)

Comparisons of the costs of psychotropic medications: an update. Jurman RJ, et al. **Psychiatr Med** 1991;9(2):349–59 (6 ref.)

Clinical strategies for the use of psychotropic drugs during pregnancy. Miller LJ. **Psychiatr Med** 1991;9(2):275–98 (122 ref.)

[Clinical and neurobiological aspects of long–term administration of psychotropic drugs] Bourin M, et al. **Can J Psychiatry** 1991 May;36(4):260–4 (55 ref.) (Eng. Abstr.) **(Fre)**

[Prescription of neuroleptics for children] Bouvard MP, et al. **Encephale** 1990 Sep–Oct;16(5):389–98 (59 ref.) (Eng. Abstr.) **(Fre)**

[Psychopharmacotherapy in the aged] Pöldinger W, et al. **Verh Dtsch Ges Inn Med** 1990;96:295–310 (46 ref.) **(Ger)**

[Carbamazepine in the treatment of psychiatric diseases: effects and side effects] Rittmannsberger H. **Wien Med Wochenschr** 1990 Aug 15;140(15):398–404 (100 ref.) (Eng. Abstr.) **(Ger)**

[Psychiatric and nervous disorders] Hara K. **Nippon Sanka Fujinka Gakkai Zasshi** 1990 Aug; 42(8):847–53 (15 ref.) (Eng. Abstr.) **(Jpn)**

[Increased knowledge of dopamine receptors results in better drugs in the treatment of neurologic and psychological disorders] Hall H. **Lakartidningen** 1991 Aug 28; 88(35):2761–5 (50 ref.) **(Swe)**

ECONOMICS

Costing mental health services. Knapp M, et al. **Psychol Med** 1990 Nov;20(4):893–908 (29 ref.)

ENZYMOLOGY

Arylsulfatase A (ASA) defect and psychiatric illness. A review. Shah SN. **Mol Chem Neuropathol** 1990 Mar; 12(2):121–9; discussion 143–5 (28 ref.)

EPIDEMIOLOGY

Major mental disorders and behavior among American Indians and Alaska Natives. Neligh G. **Am Indian Alsk Native Ment Health Res** 1988;1 MONO 1:116–50 discussion 151–9 (54 ref.)

A critical review of epidemiological studies of Puerto Rican mental health. Guarnaccia PJ, et al. **Am J Psychiatry** 1990 Nov;147(11):1449–56 (51 ref.)

Child psychiatry in developing countries. Nikapota AD. **Br J Psychiatry** 1991 Jun;158:743–51 (70 ref.)

Mental illness in the homeless: problems of epidemiologic method in surveys of the 1980s. Susser E, et al. **Community Ment Health J** 1990 Oct;26(5):391–414 (43 ref.)

Mental retardation and psychiatric disorders. Campbell M, et al. **Hosp Community Psychiatry** 1991 Apr;42(4):374–9 (71 ref.)

Issues in providing mental health services to hearing–impaired persons. Steinberg A. **Hosp Community Psychiatry** 1991 Apr;42(4):380–9 (97 ref.)

Culture and mental illness in Algeria. al–Issa I. **Int J Soc Psychiatry** 1990 Autumn;36(3):230–40 (40 ref.)

Longitudinal research strategies: advantages, problems, and prospects. Farrington DP. **J Am Acad Child Adolesc Psychiatry** 1991 May; 30(3):369–74 (33 ref.)

Chronic mental illness in adolescence: a global overview. Florenzano RU. **Pediatrician** 1991;18(2):142–9 (35 ref.)

The impact of criteria selection on prevalence rates. Burvill PW. **Psychiatr J Univ Ott** 1990 Nov;15(4):194–9 (38 ref.)

ETIOLOGY

Neurobiological evidence for epilepsy–induced interictal disturbances. Engel J Jr, et al. **Adv Neurol** 1991;55:97–111 (136 ref.)

Psychosis and the temporal lobe. Stevens JR. **Adv Neurol** 1991;55:79–96 (98 ref.)

Interictal psychoses of epilepsy. Trimble MR. **Adv Neurol** 1991;55:143–52 (49 ref.)

Acute behavioral symptomatology at disappearance of epileptiform EEG abnormality. Paradoxical or "forced" normalization. Wolf P. **Adv Neurol** 1991;55:127–42 (54 ref.)

Enucleation and psychic trauma. Lubkin V, et al. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:259–62 (8 ref.)

Psychological recuperation of the patient. Tillman WT. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:263–73 (5 ref.)

The psychological sequelae of therapeutic abortion—denied and completed. Dagg PK. **Am J Psychiatry** 1991 May; 148(5):578–85 (80 ref.)

Childhood traumas: an outline and overview [see comments] Terr LC. **Am J Psychiatry** 1991 Jan;148(1):10–20 (40 ref.) Comment in: Am J Psychiatry 1991 Aug;148(8):1102–3.

The integrative approach to psychiatry. Lipowski ZJ. **Aust N Z J Psychiatry** 1990 Dec;24(4):470–4 (21 ref.)

Psychiatric manifestations of HIV disease. Catalan J. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):547–62 (74 ref.)

Psychiatric aspects of the menopause [see comments] Ballinger CB. **Br J Psychiatry** 1990 Jun;156:773–87 (142 ref.) Comment in: Br J Psychiatry 1990 Dec;157:931–2.

Vitamin deficiency and mental symptoms. Carney MW. **Br J Psychiatry** 1990 Jun;156:878–82 (55 ref.)

Neuro–psychiatric manifestations of acquired immune deficiency syndrome (AIDS). Abiodun OA. **Cent Afr J Med** 1990 Sep;36(9):224–30 (33 ref.)

Longitudinal research in child and adolescent psychiatry. Verhulst FC, et al. **J Am Acad Child Adolesc Psychiatry** 1991 May;30(3):361–8 (57 ref.)

Diagnostic criteria for neuropsychiatric systemic lupus erythematosus: the results of a consensus meeting. The Ad Hoc Neuropsychiatric Lupus Workshop Group. Singer J, et al. **J Rheumatol** 1990 Oct;17(10):1397–402 (20 ref.)

Subtle vitamin–B12 deficiency and psychiatry: a largely unnoticed but devastating relationship? Dommisse J. **Med Hypotheses** 1991 Feb;34(2):131–40 (79 ref.)

The immune system is a key factor in the etiology of psychosocial disease. Smith RS. **Med Hypotheses** 1991 Jan; 34(1):49–57 (69 ref.)

Neuropsychiatric aspects of AIDS and psychopharmacologic management. Gilmer WS, et al. **Psychiatr Med** 1991; 9(2):313–29 (68 ref.)

HIV–1: neuropsychiatric manifestations and their treatment. Bridge TP. **Psychopharmacol Bull** 1988;24(3):320–4 (30 ref.)

The neuropsychiatry of human immunodeficiency virus. Grant I. **Semin Neurol** 1990 Sep;10(3):267–75 (62 ref.)

Psychiatric consequences of basal ganglia disease. Rogers D. **Semin Neurol** 1990 Sep;10(3):262–6 (46 ref.)

Psychiatric and cognitive aspects of multiple sclerosis. Stenager E, et al. **Semin Neurol** 1990 Sep;10(3):254–61 (62 ref.)

[Disseminated sclerosis: organic basis for mental disorders and cognitive dysfunction] Stenager E, et al. **Nord Med** 1991;106(2):43–4, 49 (15 ref.) (Eng. Abstr.) **(Dan)**

[Dementia and psychiatric disorders in Kufs disease] Charles N, et al. **Rev Neurol (Paris)** 1990;146(12):752–6 (17 ref.) (Eng. Abstr.) **(Fre)**

[Conference at the Salpêtrière. June 1989. Progressive instability of gait, dysphagia and dysphonia, paraparesis with amyotrophy and mental deterioration in a 56–year–old man] Collard M, et al. **Rev Neurol (Paris)** 1991;147(4):323–8 (26 ref.) (Eng. Abstr.) **(Fre)**

[Psychopathological disorders before and after heart surgery] Götze P. **Recenti Prog Med** 1991 Jan;82(1):54–8 (26 ref.) (Eng. Abstr.) **(Ita)**

[The role of socio–cultural and environmental factors in polymorphism of endogenous mental disorders (review of the literature)] Zharikov MN. **Zh Nevropatol Psikhiatr** 1990;90(12):100–3 (65 ref.) **(Rus)**

GENETICS

Genetics and psychiatry: an unheralded window on the environment. Reiss D, et al. **Am J Psychiatry** 1991 Mar; 148(3):283–91 (41 ref.)

Genetics of major psychiatric disorders. Ciaranello RD, et al. **Annu Rev Med** 1991;42:151–8 (38 ref.)

Human behavioral genetics. Plomin R, et al. **Annu Rev Psychol** 1991;42:161–90 (210 ref.)

Genetic linkage in mental illness. Limitations and prospects. Baron M, et al. **Br J Psychiatry** 1990 Nov;157:645–55 (60 ref.)

Psychiatric illnesses. Preface. Manowitz P. **Mol Chem Neuropathol** 1990 Mar;12(2):95–8 (14 ref.)

A developmental plasticity model for phenotypic variation in major psychiatric disorders. Mellon CD, et al. **Perspect Biol Med** 1990 Autumn;34(1):35–43 (17 ref.)

[Search for early prognostic factors in schizophrenia: current problems (review of the literature)] Koloskova MV, et al. **Zh Nevropatol Psikhiatr** 1990;90(9):120–5 (71 ref.) **(Rus)**

IMMUNOLOGY

Autoimmune diseases of the neuroimmune system and mental disease. Steiner I, et al. **Immunol Ser** 1989;45:491–511 (169 ref.)

METABOLISM

Sigma binding sites in the brain; an emerging concept for multiple sites and their relevance for psychiatric disorders. Itzhak Y, et al. **Life Sci** 1990;47(13):1073–81 (69 ref.)

Neuropsychiatric disorders and the multiple human brain serotonin receptor subtypes and subsystems. Murphy DL. **Neuropsychopharmacology** 1990 Oct–Dec;3(5–6):457–71 (171 ref.)

PHYSIOPATHOLOGY

History of serotonin and serotinin disorders. Sjoerdsma A, et al. **Ann N Y Acad Sci** 1990;600:1–7; discussion 7–8 (27 ref.)

Nosological tunnel vision in biological psychiatry. A plea for a functional psychopathology. Van Praag HM, et al. **Ann N Y Acad Sci** 1990;600:501–10 (44 ref.)

Hypothalamic–pituitary–adrenal axis in psychiatric disorders. Stokes PE, et al. **Annu Rev Med** 1991;42:519–31 (41 ref.)

Psychological aspects of hypothalamo–pituitary–adrenal activity. Ur E. **Baillieres Clin Endocrinol Metab** 1991 Mar; 5(1):79–96 (113 ref.)

Monoamines and abnormal behaviour. A multi–aminergic perspective. van Praag HM, et al. **Br J Psychiatry** 1990 Nov;157:723–34 (110 ref.)

Psychologic disorder and sexual dysfunction in elders. Zeiss RA, et al. **Clin Geriatr Med** 1991 Feb;7(1):133–51 (42 ref.)

Mental, neuropsychic, and brain patterns of defense. Neuropsychic defense continua from psychopathology to the particularly human parallel networks that are problematic for artificial intelligence. Forrest DV. **J Am Acad Psychoanal** 1991 Spring;19(1):99–123 (57 ref.)

Current conceptualizations of psychiatric illnesses as neurological disorders. Silverstein ML. **Mol Chem Neuropathol** 1990 Mar;12(2):131–42 (60 ref.)

The prefrontal cortex in schizophrenia and other neuropsychiatric diseases: in vivo physiological correlates of cognitive deficits. Berman KF, et al. **Prog Brain Res** 1990;85:521–36; discussion 536–7 (52 ref.)

Self–injurious behavior. Introduction. Luchins DJ. **Prog Neuropsychopharmacol Biol Psychiatry** 1990;14 Suppl:S63–4 (0 ref.)

Prospective role for adenosine and adenosinergic systems in psychiatric disorders [editorial] Durcan MJ, et al. **Psychol Med** 1990 Aug;20(3):475–86 (190 ref.)

A review of disorders of water homeostasis in psychiatric patients. Riggs AT, et al. **Psychosomatics** 1991 Spring; 32(2):133–48 (129 ref.)

[Event–related potentials in psychiatry—methodologic principles] Münte F, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Nov; 42(11):649–59 (50 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Current prevention concepts in child and adolescent psychiatry. O'Brien JD. **Am J Psychother** 1991 Apr; 45(2):261–8 (13 ref.)

Prevention of psychiatric disorders in early childhood. McGuire J, et al. **J Child Psychol Psychiatry** 1991 Jan; 32(1):129–53 (100 ref.)

Screening for psychiatric and substance abuse disorders in clinical practice. Ford DE, et al. **J Gen Intern Med** 1990 Sep–Oct;5(5 Suppl):S37–41 (30 ref.)

Promoting mental health at the workplace: the prevention side of stress management. Elkin AJ, et al. **Occup Med** 1990 Oct–Dec;5(4):739–54 (55 ref.)

Prevention of psychological disability after occupational respiratory exposures. Shusterman DJ, et al. **Occup Med** 1991 Jan–Mar;6(1):11–27 (69 ref.)

PSYCHOLOGY

Defending and coping in psychically disturbed adolescents. I. Theory, results of factor analysis. Reinhard HG. **Acta Paedopsychiatr** 1989;52(3):232–40 (31 ref.)

Clarification of projective identification. Goldstein WN. **Am J Psychiatry** 1991 Feb;148(2):153–61 (34 ref.)

The déjà vu experience: remembrance of things past? [see comments] Sno HN, et al. **Am J Psychiatry** 1990 Dec; 147(12):1587–95 (91 ref.) Comment in: Am J Psychiatry 1991 Jul;148(7):951–2.

Social factors and psychopathology: stress, social support, and coping processes. Coyne JC, et al. **Annu Rev Psychol** 1991;42:401–25 (130 ref.)

The self–organization of human psychological functioning. Kaplan ML, et al. **Behav Sci** 1991 Jul;36(3):161–78 (35 ref.)

Jealousy: the pathology of passion. Mullen PE. **Br J Psychiatry** 1991 May;158:593–601 (36 ref.)

The culture and history of psychiatric stigma in early modern and modern Western societies: a review of recent literature. Fabrega H Jr. **Compr Psychiatry** 1991 Mar–Apr; 32(2):97–119 (99 ref.)

A developmental view of therapeutic bonding in the family: treatment of the disconnected family. Doane JA, et al.

Fam Process 1991 Jun;30(2):155–75 (45 ref.)

How a relationship between thinking and feeling may give rise to a variety of human behaviors. O'Connor BP. **Genet Soc Gen Psychol Monogr** 1991 Feb;117(1):29–48 (75 ref.)

Process theory as a framework for comprehensive psychodynamic formulations. Sabelli HC, et al. **Genet Soc Gen Psychol Monogr** 1991 Feb;117(1):5–27 (46 ref.)

Violence by psychiatric inpatients: a review. Davis S. **Hosp Community Psychiatry** 1991 Jun;42(6):585–90 (68 ref.)

Psychosocial risk and protective factors in childhood [see comments] Pellegrini DS. **J Dev Behav Pediatr** 1990 Aug; 11(4):201–9 (87 ref.) Comment in: J Dev Behav Pediatr 1990 Aug;11(4):210–1.

A cognitive morphology of psychopathology. Blatt SJ. **J Nerv Ment Dis** 1991 Aug;179(8):449–58 (59 ref.)

Unconscious perception. Possible implications of data from academic research for clinical practice. Dixon NF, et al. **J Nerv Ment Dis** 1991 May;179(5):243–52 (113 ref.)

Assaultive behavior. Does provocation begin in the front office? Blair DT. **J Psychosoc Nurs Ment Health Serv** 1991 May;29(5):21–6 (38 ref.)

Normal and abnormal behavior in cross-cultural perspective: specifying the nature of their relationship. Draguns JG. **Nebr Symp Motiv** 1989;37:235–77 (150 ref.)

The assessment and management of the suicidal patient. Fawcett J, et al. **Psychiatr Med** 1991;9(2):299–311 (34 ref.)

What can specificity designs say about causality in psychopathology research? Garber J, et al. **Psychol Bull** 1991 Jul;110(1):129–36 (36 ref.)

Functional analysis and treatment of aberrant behavior. Mace FC, et al. **Res Dev Disabil** 1991;12(2):155–80 (76 ref.)

Psychopathology of frontal lobe syndromes. Trimble MR. **Semin Neurol** 1990 Sep;10(3):287–94 (31 ref.)

Objective and subjective dimensions of family burden. Towards an integrative framework for research. Schene AH. **Soc Psychiatry Psychiatr Epidemiol** 1990 Nov; 25(6):289–97 (59 ref.)

An overview: are mentally ill people really more dangerous? Davis S. **Soc Work** 1991 Mar;36(2):174–80 (51 ref.)

Predicting and preventing hospital and clinic suicides. Litman RE. **Suicide Life Threat Behav** 1991 Spring;21(1):56–73 (23 ref.)

China's importation of Western psychiatry: cultural relatively and mental disorders. Woo D. **Theor Med** 1991 Mar; 12(1):25–43 (32 ref.)

[Evaluation of the risk factors of suicide in patients treated for mental disorders. Review of the literature from 1978 to 1988] Théret L, et al. **Ann Med Psychol (Paris)** 1990 Apr;148(4):411–4 (37 ref.) (Eng. Abstr.) **(Fre)**

[Occupational handicap and psychiatry] Brour S, et al. **Tunis Med** 1991 Jan;69(1):45–9 (10 ref.) (Eng. Abstr.) **(Fre)**

[Antipsychiatry and identity crisis in psychiatry] Kick H. **Fortschr Neurol Psychiatr** 1990 Oct;58(10):367–74 (61 ref.) (Eng. Abstr.) **(Ger)**

[Suicide during inpatient psychiatric treatment] Busch H, et al. **Versicherungsmedizin** 1991 Feb 1;43(1):13–8 (42 ref.) (Eng. Abstr.) **(Ger)**

[The "myth", psychopathological component and variant] Marocchino R, et al. **Minerva Psichiatr** 1990 Oct–Dec; 31(4):209–12 (13 ref.) (Eng. Abstr.) **(Ita)**

[The family—an underestimated but heavily burdened resource in health care] Bergmark T, et al. **Lakartidningen** 1990 Oct 10;87(41):3287–8 (28 ref.) **(Swe)**

RADIONUCLIDE IMAGING

Positron emission tomography as a research tool in the investigation of psychiatric and psychological disorders. Jones AK, et al. **Baillieres Clin Endocrinol Metab** 1991 Mar; 5(1):187–203 (53 ref.)

Functional brain imaging in the evaluation of psychiatric illness. Van Heertum RL, et al. **Semin Nucl Med** 1991 Jan; 21(1):24–39 (85 ref.)

REHABILITATION

Psychiatry in the Canadian Correctional Service. Green CM, et al. **Can J Psychiatry** 1991 May;36(4):290–5 (18 ref.)

A decade of case management: a methodological review of outcome research. Chamberlain R, et al. **Community Ment Health J** 1991 Jun;27(3):171–88 (45 ref.)

The use of single room occupancy (SRO) housing as a residential alternative for persons with a chronic mental illness. Linhorst DM. **Community Ment Health J** 1991 Apr; 27(2):135–44 (21 ref.)

Case management for the mentally ill: looking at the evidence. Holloway F. **Int J Soc Psychiatry** 1991 Spring; 37(1):2–13 (66 ref.)

The 1978 Italian mental health law--a personal evaluation: a review. Palermo GB. **J R Soc Med** 1991 Feb;84(2):99–102 (43 ref.)

The application of the European Convention of Human Rights to the field of psychiatry. Harding TW. **Med Law** 1990;9(4):1078–98 (25 ref.)

Family advocacy and the mental health system: the recent rise of the alliance for the mentally ill. Sommer R. **Psychiatr Q** 1990 Fall;61(3):205–21 (46 ref.)

Improving treatment for the severely mentally ill: implications of the decade-long Italian psychiatric reform [published erratum appears in Psychiatry 1990 Nov;53(4):424] Glick ID. **Psychiatry** 1990 Aug; 53(3):316–23 (20 ref.)

Social work's contribution to psychosocial rehabilitation. Peterson CL, et al. **Soc Work** 1990 Sep;35(5):468–72 (31 ref.)

[Rehabilitation of psychological diseases in the aged] Kuhlmey J. **Z Arztl Fortbild (Jena)** 1991 Apr 25;85(8):373–7 (46 ref.) **(Ger)**

THERAPY

Community treatment for the seriously mentally ill: is this community psychology? [comment] Mowbray CT. **Am J Community Psychol** 1990 Dec;18(6):893–902 (18 ref.) Comment on: Am J Community Psychol 1990 Dec;18(6):865–91.

Monitored conditional release of persons found not guilty by reason of insanity. Bloom JD, et al. **Am J Psychiatry** 1991 Apr;148(4):444–8 (53 ref.)

A national study of psychiatric hospital care. Dorwart RA, et al. **Am J Psychiatry** 1991 Feb;148(2):204–10 (37 ref.)

Token economy approaches for psychiatric patients. Progress and pitfalls over 25 years. Glynn SM. **Behav Modif** 1990 Oct;14(4):383–407 (60 ref.)

The dangerousness criterion for civil commitment: the problem and a possible solution. Brouillette MJ, et al. **Can J Psychiatry** 1991 May;36(4):285–9 (23 ref.)

Electrical dosage and efficacy in electroconvulsive therapy. Enns M. **Can J Psychiatry** 1991 Jun;36(5):344–8 (51 ref.)

Regionalization of psychiatric services for the elderly. Shulman KI. **Can J Psychiatry** 1991 Feb;36(1):3–8 (41 ref.)

Psychologic support and psychotropic medications. Hennaux P, et al. **Curr Opin Oncol** 1990 Oct;2(5):929–36 (23 ref.)

Noncompliance in community psychiatry: a review of clinical interventions. Chen A. **Hosp Community Psychiatry** 1991 Mar;42(3):282–7 (67 ref.)

Group psychotherapy in acute treatment settings: theory and technique. Hoge MA, et al. **Hosp Community Psychiatry** 1991 Feb;42(2):153–8 (22 ref.)

Strategies for integrating public mental health services. Mechanic D. **Hosp Community Psychiatry** 1991 Aug; 42(8):797–801 (30 ref.)

An analysis of methodology in follow-up studies of adult inpatient psychiatric treatment. Pfeiffer SI. **Hosp Community Psychiatry** 1990 Dec;41(12):1315–21 (104 ref.)

Group psychotherapy for the chronic mentally ill. Kibel HD. **Int J Group Psychother** 1991 Jan;41(1):3–9 (17 ref.)

Intrapsychic structure, object relations, and interpersonal interaction: treatment process and change in the psychiatric hospital. Bauer SF. **J Am Acad Psychoanal** 1990 Winter; 18(4):566–86 (51 ref.)

Emotional induction: communication via the countertransference. Lotterman A. **J Am Acad Psychoanal** 1990 Winter;18(4):587–612 (50 ref.)

Assessment and treatment of torture victims: a critical review. Allodi FA. **J Nerv Ment Dis** 1991 Jan;179(1):4–11 (71 ref.)

Program components of a comprehensive integrated care system for serious mentally ill patients with substance disorders. Minkoff K. **New Dir Ment Health Serv** 1991 Summer;(50):13–27 (28 ref.)

Creating integrated programs for severely mentally ill persons with substance disorders. Ridgely MS. **New Dir Ment Health Serv** 1991 Summer;(50):29–41 (19 ref.)

Oppositional behavior in children. Christophersen ER. **Pediatr Ann** 1991 May;20(5):267–70, 272–3 (19 ref.)

Somatic therapies in geriatric psychiatry. Blake LM. **Psychiatr Med** 1991;9(2):263–73 (22 ref.)

Difficult patients in extended psychiatric hospitalization: a research perspective on the patient, staff and team. Colson DB. **Psychiatry** 1990 Nov;53(4):369–82 (25 ref.)

Positive psychotherapy: a transcultural and interdisciplinary approach to psychotherapy. Peseschkian N. **Psychother Psychosom** 1990;53(1–4):39–45 (7 ref.)

[Principles for the management of children and adolescents with psychiatric disorders] Remschmidt H. **Prax Kinderpsychol Kinderpsychiatr** 1990 Nov–Dec; 39(9–10):338–47 (30 ref.) (Eng. Abstr.) **(Ger)**

[Change in diagnostic and therapeutic viewpoints: the systemic perspective] Rotthaus W. **Prax Kinderpsychol Kinderpsychiatr** 1990 Nov–Dec; 39(9–10):361–4 (20 ref.) (Eng. Abstr.) **(Ger)**

[Change in diagnostic and therapeutic viewpoints: integrated perspectives] Schönfelder T. **Prax Kinderpsychol Kinderpsychiatr** 1990 Nov–Dec; 39(9–10):364–7 (2 ref.) (Eng. Abstr.) **(Ger)**

[Games psychotherapy and psychoprophylaxis in pediatrics] Erenkova NV. **Pediatriia** 1990;(9):84–90 (24 ref.) **(Rus)**

MENTAL DISORDERS, ORGANIC see **ORGANIC MENTAL DISORDERS**

MENTAL DISORDERS, ORGANIC, PSYCHOTIC see **ORGANIC MENTAL DISORDERS, PSYCHOTIC**

MENTAL DISORDERS, ORGANIC, SUBSTANCE-INDUCED see **ORGANIC MENTAL DISORDERS, SUBSTANCE-INDUCED**

MENTAL HEALING

PSYCHOLOGY

Psychotherapy: healing by culture. Havenaar JM. **Psychother Psychosom** 1990;53(1–4):8–13 (13 ref.)

MENTAL HEALTH

Recent developments in mental health: perspectives and services. Mechanic D. **Annu Rev Public Health** 1991; 12:1–15 (39 ref.)

Psychologic aspects of exercise. Anthony J. **Clin Sports Med** 1991 Jan;10(1):171–80 (27 ref.)

Mental health and the elderly. Special needs, special skills. Creel FL, et al. **J Fla Med Assoc** 1990 Aug;77(8):748–51 (6 ref.)

Social networks, health, and emotional well-being among the oldest old in London. Bowling A, et al. **J Gerontol** 1991 Jan;46(1):S20–32 (79 ref.)

MENTAL HEALTH SERVICES

[Problems in training operatives in mental health service] Angelini G. **Minerva Psichiatr** 1990 Oct–Dec;31(4):199–201 (7 ref.) (Eng. Abstr.) **(Ita)**

ECONOMICS

Strategies for integrating public mental health services. Mechanic D. **Hosp Community Psychiatry** 1991 Aug; 42(8):797–801 (30 ref.)

ORGANIZATION & ADMINISTRATION

Partnership as a new strategy in mental health policy: the case of Québec [see comments] Boudreau F. **J Health Polit Policy Law** 1991 Summer;16(2):307–29 (77 ref.) Comment in: J Health Polit Policy Law 1991 Summer;16(2):331–3.

Case management in addictions treatment. Graham K, et al. **J Subst Abuse Treat** 1990;7(3):181–8 (30 ref.)

Creating integrated programs for severely mentally ill persons with substance disorders. Ridgely MS. **New Dir Ment Health Serv** 1991 Summer;(50):29–41 (19 ref.)

Management, administration, leadership: what's in a name? Talbott JA. **New Dir Ment Health Serv** 1991 Spring; (49):61–9 (35 ref.)

Chronic mental illness in adolescence: a global overview. Florenzano RU. **Pediatrician** 1991;18(2):142–9 (35 ref.)

A 'crisis' of closure and openness: the present state of the Swedish mental health system in the light of a policy of sectorisation. Goldie N, et al. **Soc Sci Med** 1991; 32(4):499–506 (54 ref.)

[Organization of psychiatric services for adolescents (review of the literature)] Litvak VIa, et al. **Zh Nevropatol Psikhiatr** 1990;90(10):121–4 (58 ref.) **(Rus)**

TRENDS

Recent developments in mental health: perspectives and services. Mechanic D. **Annu Rev Public Health** 1991; 12:1–15 (39 ref.)

Psychiatry in the Canadian Correctional Service. Green CM, et al. **Can J Psychiatry** 1991 May;36(4):290–5 (18 ref.)

Current issues in the U.S. mental health service system--a community health perspective. Lee ES. **J Korean Med Sci** 1990 Jun;5(2):65–74 (18 ref.)

MENTAL HEALTH SERVICES, COMMUNITY see **COMMUNITY MENTAL HEALTH SERVICES**

MENTAL HOSPITALS see **HOSPITALS, PSYCHIATRIC**

MENTAL HYGIENE see **MENTAL HEALTH**

MENTAL HYGIENE SERVICES see **MENTAL HEALTH SERVICES**

MENTAL PROCESSES

Assessment of competency: the role of neurobehavioral deficits. Freedman M, et al. **Ann Intern Med** 1991 Aug 1;115(3):203–8 (27 ref.)

The neurology of aging: normal versus pathologic change. Morris JC, et al. **Geriatrics** 1991 Aug;46(8):47–8, 51–4 (33 ref.)

Information processing for motor performance in aging adults. Light KE. **Phys Ther** 1990 Dec;70(12):820–6 (64 ref.)

[Cerebral crossed diaschisis caused by cerebellar lesion: role of the cerebellum in mental functions] Attig E, et al. **Rev Neurol (Paris)** 1991;147(3):200–7 (60 ref.) (Eng. Abstr.) **(Fre)**

[Potentials in the elderly] Kruse A. **Z Gerontol** 1990 Sep–Oct; 23(5):235–45 (93 ref.) **(Ger)**

PHYSIOLOGY

Biological correlates of mental activity studied with PET. Volkow ND, et al. **Am J Psychiatry** 1991 Apr; 148(4):439–43 (41 ref.)

Large-scale neurocognitive networks and distributed

processing for attention, language, and memory. Mesulam MM. **Ann Neurol** 1990 Nov;28(5):597–613 (127 ref.)
The brain and higher mental function. Smith GC. **Aust N Z J Psychiatry** 1991 Jun;25(2):215–30 (82 ref.)
Mental, neuropsychic, and brain patterns of defense. Neuropsychic defense continua from psychopathology to the particularly human parallel networks that are problematic for artificial intelligence. Forrest DV. **J Am Acad Psychoanal** 1991 Spring;19(1):99–123 (57 ref.)
Boyd Orr memorial lecture. Early nutrition and later achievement. Dobbing J. **Proc Nutr Soc** 1990 Jul; 49(2):103–18 (57 ref.)
Effects of aging on the dynamics of information processing and synaptic weight changes in the mammalian hippocampus. Barnes CA. **Prog Brain Res** 1990;86:89–104 (94 ref.)
Neuroscience, modularity and personality theory: conceptual foundations of a model of complex human functioning. Grigsby J, et al. **Psychiatry** 1991 Feb;54(1):21–38 (90 ref.)
The brain a geometry engine. Koenderink JJ. **Psychol Res** 1990;52(2–3):122–7 (45 ref.)
Neglect as a neural representation deficit. Rizzolatti G, et al. **Rev Neurol (Paris)** 1990;146(10):626–34 (62 ref.)
Mental control of the adaptive process. Jones GM, et al. **Rev Oculomot Res** 1985;1:203–8 (0 ref.)
[The place of mental stimuli in the etiopathogenic mechanisms of bronchial asthma with a psychogenic trigger. Thoughts on some of the author's studies (epidemiology, psychology)] Iamandescu IB. **Rev Roum Physiol** 1990 Apr–Jun;27(2):121–35 (42 ref.) **(Fre)**
[Consciousness and information selection] Sviderskaia NE. **Zh Vyssh Nerv Deiat** 1990 Nov–Dec;40(6):1089–96 (32 ref.) (Eng. Abstr.) **(Rus)**

MENTAL RETARDATION

see related

EDUCATION OF MENTALLY RETARDED

Williams (Elfin Facies) syndrome: review of the literature and report of a rare case. Boraz RA. **ASDC J Dent Child** 1991 Jan–Feb;58(1):57–9 (16 ref.)
Coffin–Siris syndrome. Levy P, et al. **J Med Genet** 1991 May; 28(5):338–41 (19 ref.)
Biomedical experimentation on the mentally handicapped: ethical and legal dilemmas. Baudouin JL. **Med Law** 1990; 9(4):1052–61 (27 ref.)
[A case of facioscapulohumeral muscular dystrophy with infantile spasms, sensorineural deafness and retinal vessel abnormality] Akiyama C, et al. **No To Hattatsu** 1991 Jul; 23(4):395–9 (13 ref.) (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

The syndrome of Hirschsprung disease, microcephaly, unusual face, and mental retardation. Halal F, et al. **Am J Med Genet** 1990 Sep;37(1):106–8 (11 ref.)
Mental retardation syndromes with associated ocular defects. Maino DM, et al. **J Am Optom Assoc** 1990 Sep;61(9):707–16 (116 ref.)
Mentally retarded individuals—a population at risk? Pitetti KH, et al. **Med Sci Sports Exerc** 1991 May;23(5):586–93 (52 ref.)
Epidermal nevus syndrome: a neurologic variant with hemimegalencephaly, gyral malformation, mental retardation, seizures, and facial hemihypertrophy. Pavone L, et al. **Neurology** 1991 Feb;41(2 (Pt 1)):266–71 (22 ref.)
[Correlations between vocal qualities and mental retardation] Biondi S, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990; 111(4):347–52 (26 ref.) (Eng. Abstr.) **(Fre)**
[Hepatitis B at an open institution for the mentally retarded. Immunogenic effect of a recombinant anti-hepatitis-B vaccine] García O, et al. **Enferm Infecc Microbiol Clin** 1990 Mar:8(3):148–52 (39 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Psychometric assessment of psychiatric disorders in people with learning difficulties (mental handicap): a review of measures. Sturmey P, et al. **Psychol Med** 1991 Feb; 21(1):143–55 (100 ref.)
[Autistic children with mental handicap: differential etiologic, diagnostic, and therapy related principles] Kusch M, et al. **Z Klin Psychol Psychopathol Psychother** 1991;39(1):2–32 (105 ref.) (Eng. Abstr.) **(Ger)**
[Mental retardation. The nosographic picture of mental retardation] Pavone L. **Minerva Pediatr** 1991 Mar; 43(3):139–43 (29 ref.) **(Ita)**

DRUG THERAPY

Metoprolol for aggressive behavior in persons with mental retardation. Kastner T, et al. **Am Fam Physician** 1990 Dec; 42(6):1585–8 (28 ref.)
Towards defining adequate lithium trials for individuals with mental retardation and mental illness. Pary RJ. **Am J Ment Retard** 1991 May;95(6):681–91 (60 ref.)

ECONOMICS

What is the cost of a handicapped child in Sweden? Svenningsen NW. **Int J Technol Assess Health Care** 1991; 7 Suppl 1:151–4 (9 ref.)

EPIDEMIOLOGY

Mental retardation and psychiatric disorders. Campbell M, et al. **Hosp Community Psychiatry** 1991 Apr;42(4):374–9 (71 ref.)
[Epidemiology of mental deficiency. The study of Safor (I): prevalence and etiology] Tomás Vila M, et al. **An Esp Pediatr** 1991 May;34(5):365–71 (30 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

[Disorders due to iodine deficiency] Delange F. **Acta Clin Belg** 1990;45(6):394–411 (78 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Simpson–Golabi–Behmel syndrome with severe cardiac arrhythmias. König R, et al. **Am J Med Genet** 1991 Feb–Mar;38(2–3):244–7 (8 ref.)
Joubert syndrome. Review of the fifty-three cases so far published. Cantani A, et al. **Ann Genet** 1990;33(2):96–8 (32 ref.)
Interstitial deletion of the band 4p15.3 defined by sequential replication banding. Davies J, et al. **Ann Genet** 1990; 33(2):92–5 (5 ref.)
Fragile X-linked mental retardation and the difficulties of reverse genetics. Jordan BR. **Bioessays** 1991 May; 13(5):243–51 (38 ref.)
Cardio-facio cutaneous syndrome: neurological manifestations. Gross-Tsur V, et al. **Clin Genet** 1990 Nov; 38(5):382–6 (5 ref.)
Mosaic 46, XY/47,XY, + der(18)t(Y;18)(q11.22;q11.2) karyotype, moderate mental retardation and non-specific dysmorphism. Fryns JP, et al. **Genet Couns** 1990;1(2):173–7 (10 ref.)
Corpus callosum agenesis, spastic quadriparesis and irregular lining of the lateral ventricles on CT-scan. A distinct X-linked mental retardation syndrome? Vles JS, et al. **Genet Couns** 1990;1(2):97–102 (19 ref.)
A clinical and cytogenetic study of institutionalized mental retardates. Kumada T. **Hiroshima J Med Sci** 1990 Jun; 39(2):39–56 (153 ref.)
X linked mental retardation. Glass IA. **J Med Genet** 1991 Jun;28(6):361–71 (152 ref.)
Occurrence of the alpha thalassaemia–mental retardation syndrome (non-deletional type) in an Australian male. Harvey MP, et al. **J Med Genet** 1990 Sep;27(9):577–81 (20 ref.)
Non-specific X linked mental retardation. Kerr B, et al. **J Med Genet** 1991 Jun;28(6):378–82 (45 ref.)
Iris coloboma, ptosis, hypertelorism, and mental retardation: a new syndrome possibly localised on chromosome 2. Pallotta R. **J Med Genet** 1991 May;28(5):342–4 (7 ref.)
Interstitial deletion of the long arm of chromosome 18, del(18)(q12.2q21.1): a report of three cases of an autosomal deletion with a mild phenotype. Schinzel A, et al. **J Med Genet** 1991 May;28(5):352–5 (4 ref.)
Multiple defects of the mitochondrial respiratory chain in a mitochondrial encephalopathy (MERRF): a clinical, biochemical and molecular study. Bindoff LA, et al. **J Neurol Sci** 1991 Mar;102(1):17–24 (48 ref.)
Molecular genetic analysis of phenylketonuria and mental retardation. Woo SL. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:193–203 (29 ref.)
[The Angelman syndrome. Does the phenotype depend on maternal inheritance?] Lund AM. **Ugeskr Laeger** 1991 Jul 8;153(28):1993–8 (30 ref.) (Eng. Abstr.) **(Dan)**
[X-linked mental retardation without fragile X chromosome (editorial)] Piussan C. **Arch Fr Pediatr** 1990 Dec; 47(10):701–3 (39 ref.) **(Fre)**
[Historic, social psychiatric, genetic and anthropologic aspects of turricephaly] Fehlow P. **Padiatr Grenzgeb** 1990; 29(4):305–17 (69 ref.) (Eng. Abstr.) **(Ger)**
[Public health aspects of the Martin–Bell syndrome] Horváth M, et al. **Orv Hetil** 1990 Dec 16;131(50):2757–8, 2761 (13 ref.) (Eng. Abstr.) **(Hun)**
[The Angelman or "happy puppet" syndrome] Kálmánchey R, et al. **Orv Hetil** 1990 Sep 30;131(39):2151–4 (24 ref.) (Eng. Abstr.) **(Hun)**

PATHOLOGY

Dendritic and synaptic pathology in mental retardation. Huttenlocher PR. **Pediatr Neurol** 1991 Mar–Apr;7(2):79–85 (62 ref.)

PSYCHOLOGY

Some developmental implications of a disturbance in responding to complex environmental stimuli. Burke JC. **Am J Ment Retard** 1991 Jul;96(1):37–52 (150 ref.)
Perspectives on relational learning in mental retardation. Green G, et al. **Am J Ment Retard** 1990 Nov;95(3):249–59 (55 ref.)
Behavioral functioning in individuals with mental retardation. Zigler E, et al. **Annu Rev Psychol** 1991;42:29–50 (120 ref.)
Folie à deux and mental retardation: review and case report. Ghaziuddin M. **Can J Psychiatry** 1991 Feb;36(1):48–9 (11 ref.)
Sexual abuse and exploitation of children and adults with mental retardation and other handicaps. Tharinger D, et al. **Child Abuse Negl** 1990;14(3):301–12 (53 ref.)
Treatment of destructive behaviors in persons with developmental disabilities. **J Autism Dev Disord** 1990 Sep; 20(3):403–29; discussion 431–2 (0 ref.)
The communicative function hypothesis: an operant behavior perspective. Cipani E. **J Behav Ther Exp Psychiatry** 1990 Dec;21(4):239–47 (26 ref.)
Recent studies of mentally handicapped young people's behaviour. Fraser WI, et al. **J Child Psychol Psychiatry** 1991 Jan;32(1):79–108 (200 ref.)
Pharmacologic control of aberrant behavior in the mentally retarded: toward a more rational approach. Baumeister AA, et al. **Neurosci Biobehav Rev** 1990 Fall;14(3):253–62 (190 ref.)
A review of pharmacological agents for self-injurious behavior. Luchins DJ. **Prog Neuropsychopharmacol Biol Psychiatry** 1990;14 Suppl:S169–79 (38 ref.)
Self-restraint: a review of etiology and applications in mentally retarded adults with self-injury. Isley EM, et al. **Res Dev Disabil** 1991;12(1):87–95 (12 ref.)
Factor structure of maladaptive behavior across the lifespan of persons with mental retardation. McGrew KS, et al. **Res Dev Disabil** 1991;12(2):181–99 (58 ref.)
[Neuropsychology of deficient development] Pfanner P, et al. **Minerva Pediatr** 1991 Mar;43(3):145–50 (15 ref.) **(Ita)**

REHABILITATION

Teaching persons with profound multiple handicaps: a review of the effects of behavioral research. Reid DH, et al. **J Appl Behav Anal** 1991 Summer;24(2):319–36 (75 ref.)
Mental retardation research in the Soviet Union. Holowinsky IZ. **Ment Retard** 1990 Aug;28(4):211–8 (35 ref.)
Sheltered workshops: financial and philosophical liabilities. Schuster JW. **Ment Retard** 1990 Aug;28(4):233–9 (30 ref.)
Teaching self-instructional skills to persons with mental retardation: a descriptive and experimental analysis. Agran M, et al. **Prog Behav Modif** 1991;27:36–55 (47 ref.)
Independent performance among individuals with mental retardation: promoting generalization through self-instruction. Hughes C. **Prog Behav Modif** 1991;27:7–35 (31 ref.)
[Promoting the development of handicapped children—possibilities and limits and responsibilities of the pediatrician] Schlack HG. **Monatsschr Kinderheilkd** 1991 Jan;139(1):55–7 (31 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Who cares for the young adult with mental retardation? Kastner T. **J Dev Behav Pediatr** 1991 Jun;12(3):196–8 (17 ref.)

MENTAL RETARDATION, PSYCHOSOCIAL

PSYCHOLOGY

Children with Apert syndrome: developmental and psychologic considerations. Campis LB. **Clin Plast Surg** 1991 Apr;18(2):409–16 (23 ref.)

MENTAL STATUS SCHEDULE

The epidemiology of dementia: GMS–AGECAT studies of prevalence and incidence, including studies in progress. Copeland JR, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;240(4–5):212–7 (27 ref.)
In-office mental status testing: a practical guide. Mungas D. **Geriatrics** 1991 Jul;46(7):54–8, 63, 66 (10 ref.)
Cognitive screening tests: an aid in the care of elderly outpatients [see comments] White H, et al. **J Gen Intern Med** 1990 Sep–Oct;5(5):438–45 (58 ref.) Comment in: J Gen Intern Med 1991 May–Jun;6(3):267–8.

MENTAL TESTS see **INTELLIGENCE TESTS**

MEPHENESIN

PHARMACOLOGY

[Pharmacology of neural mechanisms of the motor system] Fukuda H. **Yakugaku Zasshi** 1991 Mar;111(3):147–57 (32 ref.) (Eng. Abstr.) **(Jpn)**

MEPHENYTOIN

CHEMISTRY

[Polymorphism of drug oxidation and its molecular mechanism] Du YL, et al. **Yao Hsueh Hsueh Pao** 1990; 25(5):391–6 (44 ref.) **(Chi)**

MERACTINOMYCIN see **DACTINOMYCIN**

MERCAPTAMINE see **CYSTEAMINE**

MERCAPTO COMPOUNDS see **SULFHYDRYL COMPOUNDS**

2-MERCAPTOETHANESULFONATE

THERAPEUTIC USE

Oxazaphosphorine toxicity reduction by mesna. Hilgard P, et al. **Cancer Treat Rev** 1990 Sep;17(2-3):217-20 (9 ref.)

MERCAPTOPROPIONYLGLYCINE

ADVERSE EFFECTS

A case of nephrotic syndrome due to alpha-mercaptopropionyl glycine in a patient with familial cystinuria. Shibasaki T, et al. **Nippon Jinzo Gakkai Shi** 1990 Aug;32(8):933-7 (9 ref.)

[Pemphigus induced by alphamercaptopropionyl-glycine (Acadione)] Meunier L, et al. **Ann Dermatol Venereol** 1990; 117(12):959-61 (12 ref.) **(Fre)**

[Acute mastitis in rheumatoid polyarthritis with Gougerot-Sjögren syndrome treated with tiopronin (Acadione)] Gregoir C, et al. **Rev Rhum Mal Osteoartic** 1991 Mar;58(3):203-6 (19 ref.) **(Fre)**

MERCAPTOVALINE see **PENICILLAMINE**

MERCAPTURIC ACID see **ACETYLCYSTEINE**

MERCURIC CHLORIDE

PHARMACOLOGY

Biological effects of mercuric chloride, nickel sulphate and nickel chloride. Nordlind K. **Prog Med Chem** 1990; 27:189-233 (465 ref.)

MERCURY

see related
ORGANOMERCURY COMPOUNDS

ADVERSE EFFECTS

[Mercury in the dental office. Risk evaluation of the occupational environment in dental care] Bjørklund G. **Tidsskr Nor Laegeforen** 1991 Mar 20;111(8):948-51 (26 ref.) (Eng. Abstr.) **(Nor)**

ANALYSIS

Applications of autometallography to heavy metal toxicology. Danscher G. **Pharmacol Toxicol** 1991 Jun; 68(6):414-23 (100 ref.)

BLOOD

A review of normal concentrations of mercury in human blood. Brune D, et al. **Sci Total Environ** 1991 Mar;100 Spec No:235-82 (99 ref.)

HISTORY

[Mercury in medicine and dentistry. Historical reflection] Løkken P, et al. **Tidsskr Nor Laegeforen** 1991 Aug 10; 111(18):2235-7 (19 ref.) **(Nor)**

METABOLISM

Accumulation of methylmercury and inorganic mercury in the brain. Friberg L, et al. **Biol Trace Elem Res** 1989 Jul-Sep;21:201-6 (18 ref.)

[Current theories on biotransformation and metabolism of mercury] Moszczyński P, et al. **Postepy Hig Med Dosw** 1990;44(1-3):153-80 (125 ref.) (Eng. Abstr.) **(Pol)**

PHARMACOKINETICS

Heavy metal concentrations in humans [published erratum appears in Comp Biochem Physiol [C] 1990;97(2):393] Schweinsberg F, et al. **Comp Biochem Physiol [C]** 1990; 95(2):117-23 (16 ref.)

Dental amalgam. II: Exposure to mercury. Städtler P. **Int J Clin Pharmacol Ther Toxicol** 1991 Apr;29(4):164-7 (67 ref.)

Does mercury from amalgam restorations constitute a health hazard? Weiner JA, et al. **Sci Total Environ** 1990 Dec 1; 99(1-2):1-22 (174 ref.)

TOXICITY

Mercury and selenium interaction: a review. Cuvin-Aralar ML, et al. **Ecotoxicol Environ Safety** 1991 Jun;21(3):348-64 (71 ref.)

[Is amalgam harmful to patients?] Moszczyński P, et al. **Wiad Lek** 1990 Dec 1-15;43(23-24):1136-42 (48 ref.) (Eng. Abstr.) **(Pol)**

MERCURY DICHLORIDE see **MERCURIC CHLORIDE**

MERCURY POISONING

COMPLICATIONS

[Mercury poisoning in pregnancy. A case report and review of the literature] Ortiz Esqueda G, et al. **Ginecol Obstet Mex** 1989 Oct;57:274-6 (11 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Feer's disease] von Mühlendahl KE. **Monatsschr Kinderheilkd** 1991 Apr;139(4):224-7 (11 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

The dental amalgam issue. A review. Hanson M, et al. **Experientia** 1991 Jan 15;47(1):9-22 (139 ref.)

Dental amalgam. III: Toxicity. Städtler P. **Int J Clin Pharmacol Ther Toxicol** 1991 Apr;29(4):168-71 (67 ref.)

Does mercury from amalgam restorations constitute a health hazard? Weiner JA, et al. **Sci Total Environ** 1990 Dec 1; 99(1-2):1-22 (174 ref.)

METABOLISM

Minamata disease: what is a keystone of its molecular mechanism? A biochemical theory on the nature of methyl mercury neurotoxicity. Kuznetsov DA. **Int J Neurosci** 1990 Jul;53(1):1-51 (167 ref.)

MERCY KILLING see **EUTHANASIA**

MERIONES see **GERBILLINAE**

MERKEL CELL TUMOR see **CARCINOMA, MERKEL CELL**

MERPHALAN see **MELPHALAN**

MESANGIOCAPILLARY GLOMERULONEPHRITIS see **GLOMERULONEPHRITIS, MEMBRANOPROLIFERATIVE**

MESANGIUM, GLOMERULAR see **GLOMERULAR MESANGIUM**

MESCALINE

ANALOGS & DERIVATIVES

Substance abuse: the designer drugs. Beebe DK, et al. **Am Fam Physician** 1991 May;43(5):1689-98 (30 ref.)

MESENCEPHALIC CENTRAL GRAY see **PERIAQUEDUCTAL GRAY**

MESENCEPHALON

ANATOMY & HISTOLOGY

Extraocular motor nuclei: location, morphology and afferents. Evinger C. **Rev Oculomot Res** 1988;2:81-117 (295 ref.)

CYTOLOGY

Midbrain micromass cultures: a model for studies of teratogenic and sub-teratogenic effects on CNS development. Walum E, et al. **Acta Physiol Scand Suppl** 1990;592:61-72 (34 ref.)

METABOLISM

[Mesolimbocortical dopamine system] Toru M. **No To Shinkei** 1991 Apr;43(4):319-29 (60 ref.) **(Jpn)**

PHYSIOLOGY

Logistic analysis of the defense reaction induced by electrical stimulation of the rat mesencephalic tectum. Schenberg LC, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):473-9 (39 ref.)

The interstitial nucleus of Cajal in the midbrain reticular formation and vertical eye movement. Fukushima K. **Neurosci Res** 1991 Apr;10(3):159-87 (125 ref.)

Involvement of mesocorticolimbic dopaminergic systems in emotional states. Bertolucci-D'Angio M, et al. **Prog Brain Res** 1990;85:405-16; discussion 416-7 (35 ref.)

Role of the forebrain in oculomotor function. Hikosaka O. **Prog Brain Res** 1991;87:101-7 (23 ref.)

The pedunculopontine nucleus. Garcia-Rill E. **Prog Neurobiol** 1991;36(5):363-89 (390 ref.)

TRANSPLANTATION

Transplants in Parkinson's disease. Lindvall O. **Eur Neurol** 1991;31 Suppl 1:17-27 (71 ref.)

Practical aspects of the use of human fetal brain tissue for intracerebral grafting. Brundin P, et al. **Prog Brain Res** 1990;82:707-14 (37 ref.)

The clinical application of cell grafting techniques in patients with Parkinson's disease. Quinn NP. **Prog Brain Res** 1990; 82:619-25 (38 ref.)

Nigral grafts in neonatal rats: protection from aphagia induced by subsequent adult 6-OHDA lesions. Rogers DC, et al. **Prog Brain Res** 1990;82:489-92 (19 ref.)

MESENCHYMOMA

Benign mesenchymoma of the tongue. Report of a case, with review of the literature. Takenoshita Y, et al. **J Craniomaxillofac Surg** 1991 May;19(4):161-5 (27 ref.)

COMPLICATIONS

Malignant mesenchymoma associated with a congenital lung cyst in a child: case report and review of the literature. Domizio P, et al. **Pediatr Pathol** 1990;10(5):785-97 (23 ref.)

DIAGNOSIS

[Malignant mesenchymoma of the retroperitoneum: a case report] Iida S, et al. **Hinyokika Kiyo** 1991 Jan;37(1):45-9 (17 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Mesenchymoma of the chest wall in children. Eskelinen M, et al. **Ann Thorac Surg** 1991 Aug;52(2):291-3 (10 ref.)

Primary CNS malignant rhabdoid tumor (MRT): report of two cases and review of literature. Chou SM, et al. **Clin Neuropathol** 1991 Jan-Feb;10(1):1-10 (25 ref.)

SURGERY

Malignant mesenchymoma: a very rare tumor of the peritoneum. Case report with a review of the literature. Hauser H, et al. **Langenbecks Arch Chir** 1991;376(1):38-41 (17 ref.)

MESENTERIC ARTERIES

Intestinal ischemia complicating abdominal aortic surgery. Brewster DC, et al. **Surgery** 1991 Apr;109(4):447-54 (36 ref.)

INNERVATION

In vitro effects of neuropeptide Y at the vascular neuroeffector junction. Westfall TC, et al. **Ann N Y Acad Sci** 1990;611:145-55 (31 ref.)

RADIOGRAPHY

[Arteriovenous fistula of the superior mesenteric artery after resection of the ileum] von Kroge H, et al. **Vasa** 1991; 20(2):169-75 (21 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

[Emergency and critical care problems: acute intestinal ischemia] Encke A. **Z Gastroenterol Verh** 1991 Mar;26:33-4 (18 ref.) **(Ger)**

ULTRASONOGRAPHY

[New methods for assessing gastrointestinal blood flow] Hoffmann U, et al. **Z Gastroenterol** 1991 Jan;29(1):36-40 (16 ref.) (Eng. Abstr.) **(Ger)**

MESENTERIC CIRCULATION see **SPLANCHNIC CIRCULATION**

MESENTERIC CYST

[Cysts of the intestinal mesentery] Kurguzov OP, et al. **Khirurgiia (Mosk)** 1991 Feb;(2):148-54 (116 ref.) **(Rus)**

COMPLICATIONS

The etiology and clinical significance of pseudoascites. Fiedorek SC, et al. **J Gen Intern Med** 1991 Jan-Feb; 6(1):77-80 (43 ref.)

RADIOGRAPHY

[Cystic formations of the mesentery. Apropos a case report of a pseudocyst of the lesser omentum] Mourad M, et al. **Acta Chir Belg** 1991 May-Jun;91(3):145-9 (28 ref.) (Eng. Abstr.) **(Fre)**

MESENTERIC DUODENAL COMPRESSION SYNDROME see **SUPERIOR MESENTERIC ARTERY SYNDROME**

MESENTERIC PANNICULITIS see **PANNICULITIS, PERITONEAL**

MESENTERIC VASCULAR OCCLUSION

ETIOLOGY

Mesenteric infarction secondary to tumor emboli from primary aortic sarcoma. Guidelines for diagnosis and management. Higgins R, et al. **Cancer** 1991 Oct 1; 68(7):1622-7 (9 ref.)

[Recurrent venous thromboembolism caused by heparin cofactor II deficiency. A case] Schved JF, et al. **Presse Med** 1991 Jul 6-13;20(26):1211-4 (11 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[Emergency and critical care problems: acute intestinal ischemia] Encke A. **Z Gastroenterol Verh** 1991 Mar;26:33-4 (18 ref.) **(Ger)**

ULTRASONOGRAPHY

Current status of duplex Doppler ultrasound in the examination of the abdominal vasculature. Eidt JF, et al.

Am J Surg 1990 Dec;160(6):604–9 (35 ref.)

MESENTERIC VEINS

The mesenteric-portal vein in research. Sutter MC. **Pharmacol Rev** 1990 Dec;42(4):287–325 (519 ref.)

RADIOGRAPHY

[Arteriovenous fistula of the superior mesenteric artery after resection of the ileum] von Kroge H, et al. **Vasa** 1991; 20(2):169–75 (21 ref.) (Eng. Abstr.) **(Ger)**

MESENTERY

Mesenteric giant lymph node hyperplasia—report of a case and review of the literature. Lee JP, et al. **Australas Radiol** 1990 May;34(2):162–4 (17 ref.)

[The heterotopic pancreas in children. Apropos of 4 new cases] Anagnostopoulos D, et al. **Chir Pediatr** 1990; 31(3):164–6 (32 ref.) (Eng. Abstr.) **(Fre)**

[A case report of spontaneous mesenteric fibromatosis] Nakajima S, et al. **Nippon Geka Gakkai Zasshi** 1991 Jan; 92(1):93–6 (16 ref.) (Eng. Abstr.) **(Jpn)**

ABNORMALITIES

[Chronic intestinal pseudo-obstruction syndrome in infants and associated anomalies] Destuynder R, et al. **Arch Fr Pediatr** 1991 Feb;48(2):119–22 (18 ref.) (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

[Mesenteric ischemia and cardiotonic glycosides] Jourdan JL, et al. **Rev Med Liege** 1991 Apr;46(4):196–203 (52 ref.) **(Fre)**

MESMERISM see **HYPNOSIS**

MESNA see **2-MERCAPTOETHANESULFONATE**

MESODERM

CYTOLOGY

Role of cell-matrix contacts in cell migration and epithelial-mesenchymal transformation. Hay ED. **Cell Differ Dev** 1990 Dec 2;32(3):367–75 (40 ref.)

Molecular changes during determination and differentiation of the dental mesenchymal cell lineage. Thesleff I, et al. **J Biol Buccale** 1990 Sep;18(3):179–88 (61 ref.)

METABOLISM

Stimulation of tenascin expression in mesenchyme by epithelial-mesenchymal interactions. Ekblom P, et al. **Int J Dev Biol** 1989 Mar;33(1):71–9 (68 ref.)

PHYSIOLOGY

Mesenchymal-epithelial interactions in the growth and development of the prostate. Cunha GR, et al. **Cancer Treat Res** 1989;46:159–75 (124 ref.)

Susceptibility of epithelia to directive influences of mesenchymes during organogenesis: uncoupling of morphogenesis and cytodifferentiation. Mizuno T, et al. **Cell Differ Dev** 1990 Sep;31(3):151–9 (67 ref.)

Signal transduction during mesoderm induction in Xenopus. Whitman M, et al. **J Reprod Fertil Suppl** 1990;42:249–54 (41 ref.)

EGF receptors in the development of epitheliomesenchymal organs. Partanen AM. **Mol Reprod Dev** 1990 Sep;27(1):60–5 (17 ref.)

MESONEPHROMA

PATHOLOGY

Ovarian endodermal sinus tumor associated with pregnancy: review of the literature. Farahmand SM, et al. **Gynecol Oncol** 1991 May;41(2):156–60 (12 ref.)

[Utero-ovarian mucoid carcinoma, of presumed wolffian duct origin (pure mesonephrotic carcinoma). Apropos of a case and review of the literature] Pons JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1990;19(7):837–43 (32 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Successful treatment of a pineal endodermal sinus tumor. Case report. Kirkove CS, et al. **J Neurosurg** 1991 May; 74(5):832–6 (33 ref.)

MESONEPHROS

The incidental demonstration of mesonephric duct remnants during hysterosalpingogram. Martins AM, et al. **Acta Med Port** 1991 Jan-Feb;4(1):35–6 (7 ref.)

EMBRYOLOGY

Pronephros and mesonephros—Cohnheim revisited. Aterman K. **Pediatr Pathol** 1990;10(6):1021–32 (45 ref.)

MESOTHELIOMA

Giant fibrous mesothelioma of the liver [letter] Kasano Y, et al. **Am J Gastroenterol** 1991 Mar;86(3):379–80 (9 ref.)

Primary malignant peritoneal mesothelioma. A report of seven cases and a review of the literature. Asensio JA, et al. **Arch Surg** 1990 Nov;125(11):1477–81 (87 ref.)

Pleural mesothelioma. Butchart EG, et al. **Curr Opin Oncol** 1990 Apr;2(2):352–8 (23 ref.)

Pleural mesothelioma. Ruffie PA. **Curr Opin Oncol** 1991 Apr; 3(2):328–34 (45 ref.)

Malignant mesothelioma of the tunica vaginalis testis. Carp NZ, et al. **J Urol** 1990 Dec;144(6):1475–8 (29 ref.)

COMPLICATIONS

[Hypoglycemic pleural mesothelioma. A case report] Scotté M, et al. **Ann Chir** 1990;44(8):688–91 (16 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

The diagnosis of mesothelioma by panels. McCaughey WT. **Am J Ind Med** 1991;19(1):121–4 (20 ref.)

[Diagnosis of diffuse pleural mesotheliomas] Loddenkemper R. **Pneumologie** 1991 Apr;45(4):159–61 (15 ref.) (Eng. Abstr.) **(Ger)**

[Diffuse peritoneal mesothelioma. Apropos 2 cases and a review of the literature] de Cuenca Morón B, et al. **Rev Esp Enferm Dig** 1991 Jan;79(1):55–9 (60 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Treatment of mesothelioma with interferon gamma and interleukin 2] Boutin C, et al. **Rev Pneumol Clin** 1990; 46(5):211–5 (26 ref.) (Eng. Abstr.) **(Fre)**

EPIDEMIOLOGY

Background incidence of mesothelioma: animal and human evidence. Ilgren EB, et al. **Regul Toxicol Pharmacol** 1991 Apr;13(2):133–49 (186 ref.)

ETIOLOGY

Cancer risks due to asbestos and man-made fibres. McDonald JC. **Recent Results Cancer Res** 1990;120:122–31 (23 ref.)

Asbestos-related mesothelioma: evidence for a threshold in animals and humans. Ilgren EB, et al. **Regul Toxicol Pharmacol** 1991 Apr;13(2):116–32 (73 ref.)

Role of asbestos and other fibres in the development of diffuse malignant mesothelioma. Gibbs AR. **Thorax** 1990 Sep; 45(9):649–54 (76 ref.)

Radiation associated malignant pleural mesothelioma. Lerman Y, et al. **Thorax** 1991 Jun;46(6):463–4 (10 ref.)

MORTALITY

Malignant peritoneal mesothelioma in childhood with long-term survival. Geary WA, et al. **Am J Clin Pathol** 1991 Apr;95(4):493–8 (34 ref.)

PATHOLOGY

Intracranial metastases from malignant pleural mesothelioma. Report of three autopsy cases and review of the literature. Falconieri G, et al. **Arch Pathol Lab Med** 1991 Jun; 115(6):591–5 (26 ref.)

Peritoneal benign cystic mesothelioma. Hidvégi J, et al. **Pathol Res Pract** 1991 Jan;187(1):103–6; discussion 106–8 (11 ref.)

Malignant mesothelioma of the tunica vaginalis. Kamiya M, et al. **Pathol Res Pract** 1990 Oct;186(5):680–4; discussion 685–6 (32 ref.)

Benign cystic mesothelioma of the peritoneum: report of a case. Chen YC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1990 Jun;89(6):479–83 (23 ref.)

Well-differentiated papillary mesothelioma of the peritoneum: a borderline mesothelioma. Report of two cases and review of literature. Bürrig KF, et al. **Virchows Arch [A]** 1990;417(5):443–7 (18 ref.)

[Diffuse malignant mesothelioma. Presentation of 10 cases and review of the literature] Briceño CE, et al. **Rev Med Panama** 1990 Sep;15(3):168–75 (14 ref.) (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Computed tomography of asbestos-related pulmonary parenchymal and pleural diseases. Aberle DR, et al. **Clin Chest Med** 1991 Mar;12(1):115–31 (116 ref.)

SURGERY

[Therapy of malignant pleural mesothelioma] Kaukel E, et al. **Med Klin** 1991 May 15;86(5):259–62 (43 ref.) **(Ger)**

[A case of malignant mesothelioma of the pleura] Fukuse T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Sep; 38(9):1492–6 (13 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Diagnosis and treatment of pleural mesothelioma. Rusch VW. **Semin Surg Oncol** 1990;6(5):279–85 (42 ref.)

ULTRASTRUCTURE

[Peritoneal mesothelioma: the importance of ultrastructural study. A report of 2 cases and a review of the Spanish literature] Gutiérrez-Rave Pecero VM, et al. **An Med Interna** 1990 May;7(5):261–4 (25 ref.) (Eng. Abstr.) **(Spa)**

MESOZOA see **INVERTEBRATES**

MESSENGER RNA see **RNA, MESSENGER**

MESTRANOL

PHARMACOKINETICS

Pharmacokinetics of ethinyl estradiol and mestranol. Goldzieher JW, et al. **Am J Obstet Gynecol** 1990 Dec;163(6 Pt 2):2114–9 (18 ref.)

META-ANALYSIS

A practitioner's guide to meta-analysis. Durlak JA, et al. **Am J Community Psychol** 1991 Jun;19(3):291–332 (90 ref.)

Can reliance be placed on a single meta-analysis? McConaghy N. **Aust N Z J Psychiatry** 1990 Sep; 24(3):405–15 (37 ref.)

Using meta-analysis in psychiatric research. Streiner DL. **Can J Psychiatry** 1991 Jun;36(5):357–62 (45 ref.)

The potential and limitations of meta-analysis. Spector TD, et al. **J Epidemiol Community Health** 1991 Jun;45(2):89–92 (47 ref.)

Meta-analysis: a review. Rosenthal R. **Psychosom Med** 1991 May-Jun;53(3):247–71 (88 ref.)

[Effect of salt-restriction on blood pressure. A review over epidemiological studies and a meta-analysis of clinically controlled studies] Graudal NA, et al. **Ugeskr Laeger** 1991 Jul 1;153(27):1914–20 (25 ref.) (Eng. Abstr.) **(Dan)**

[Meta-analysis of clinical trials] Pignon JP, et al. **Gastroenterol Clin Biol** 1991;15(3):229–38 (31 ref.) **(Fre)**

[Meta-analysis of controlled trials] Leibovici L. **Harefuah** 1990 Nov 15;119(10):332–3 (14 ref.) **(Heb)**

[Meta-analysis: the synthesis and integration of the results of independent studies in medicine] Fernández-Ballart JD, et al. **Med Clin (Barc)** 1991 Mar 16;96(10):382–7 (77 ref.) **(Spa)**

METABOLIC ACTIVATION see **BIOTRANSFORMATION**

METABOLIC DETOXICATION, DRUG

The enzymes of detoxication. Jakoby WB, et al. **J Biol Chem** 1990 Dec 5;265(34):20715–8 (56 ref.)

[Dosages of drugs in patients with kidney function disorders] Verresen L. **Ned Tijdschr Geneeskd** 1991 Mar 30; 135(13):547–51 (16 ref.) **(Dut)**

GENETICS

Polymorphism of human CYP2D genes involved in drug metabolism: possible relationship to individual cancer risk. Nebert DW. **Cancer Cells** 1991 Mar;3(3):93–6 (27 ref.)

PHYSIOLOGY

The 1990 Pharmaceutical Manufacturers Association of Canada keynote lecture. The role of the cytochromes P450 in the detoxication and activation of drugs and other chemicals. Parke DV, et al. **Can J Physiol Pharmacol** 1991 May;69(5):537–49 (101 ref.)

[Age related changes in the liver. Consequences for drug therapy] Zeeh J, et al. **Fortschr Med** 1990 Nov 30; 108(34):651–3 (16 ref.) (Eng. Abstr.) **(Ger)**

METABOLIC DISEASES

Advances in endocrinology and metabolism 1989–1990. Lamberton P. **R I Med J** 1990 Nov;73(11):549–54 (28 ref.)

BLOOD

Red blood cell molecular abnormalities in non haematological diseases. De Sandre G, et al. **Haematologica** 1990 Sep–Oct; 75(5):447–53 (66 ref.)

CHEMICALLY INDUCED

Cationic amphiphilic drugs and phospholipid storage disorder. Kodavanti UP, et al. **Pharmacol Rev** 1990 Dec; 42(4):327–54 (355 ref.)

COMPLICATIONS

Cataract and metabolic disease. Endres W, et al. **J Inherited Metab Dis** 1990;13(4):509–16 (53 ref.)

[Nutrition-related diseases of adults] Schlierf G, et al. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):307–15 (14 ref.) (Eng. Abstr.) **(Ger)**

[Metabolic nervous system diseases] Goto I. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):433–7 (6 ref.) **(Jpn)**

DIAGNOSIS

Overview of biochemical markers used for nutrition support. Mattox TW, et al. **DICP** 1991 Mar;25(3):265–71 (49 ref.)

[The diagnosis of lipid metabolic disorders] Windler E, et al. **Dtsch Med Wochenschr** 1991 Jan 25;116(4):143–7 (17

ref.) (Ger)

DIET THERAPY

[The therapy of lipid metabolic disorders] Windler E, et al. **Dtsch Med Wochenschr** 1991 Feb 1;116(5):181–5 (22 ref.) (Ger)

ETIOLOGY

Metabolic and health complications of obesity. Grundy SM, et al. **Dis Mon** 1990 Dec;36(12):641–731 (256 ref.)

GENETICS

[Genetics of metabolic diseases. Including cystic fibrosis] Martínez Valverde A, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 42:123–31 (45 ref.) (Spa)

THERAPY

Guidelines for the scientific review of enteral food products for special medical purposes. Prepared for the Center for Food Safety and Applied Nutrition, Food and Drug Administration. Talbot JM. **JPEN J Parenter Enteral Nutr** 1991 May–Jun;15(3 Suppl):99S–174S, A1–E2 (346 ref.)

VETERINARY

[The neuropathology of martens] Geisel O, et al. **Tierarztl Prax** 1991 Jun;19(3):320–3 (16 ref.) (Eng. Abstr.) (Ger)

METABOLIC PUMP see **BIOLOGICAL TRANSPORT, ACTIVE**

METABOLISM

Functions of secondary metabolites. Vining LC. **Annu Rev Microbiol** 1990;44:395–427 (214 ref.)

Graph-theoretic approach to metabolic pathways. Goldstein BN, et al. **Biomed Biochim Acta** 1990;49(8–9):645–50 (16 ref.)

Evolution in molecular structure and adaptive variance in metabolism. Christophersen C. **Comp Biochem Physiol [B]** 1991;98(4):427–32 (35 ref.)

The new metabolism: molecular genetics in the analysis of metabolic regulation. Goodridge AG. **FASEB J** 1990 Oct; 4(13):3099–110 (47 ref.)

A method for testing the stability of a steady-state system during the calculation of a response to large changes in regulator concentrations. Crabtree B, et al. **FEBS Lett** 1991 Mar 25;280(2):329–31 (11 ref.)

Toward a science of metabolic engineering. Bailey JE. **Science** 1991 Jun 21;252(5013):1668–75 (85 ref.)

Network rigidity and metabolic engineering in metabolite overproduction. Stephanopoulos G, et al. **Science** 1991 Jun 21;252(5013):1675–81 (49 ref.)

[Metabolic regulation of ingestion in monogastric animals] Louis-Sylvestre J. **Reprod Nutr Dev** 1991;31(3):189–203 (79 ref.) (Eng. Abstr.) (Fre)

DRUG EFFECTS

Metabolic considerations in the choice of therapy for the patient with hypertension. Black HR. **Am Heart J** 1991 Feb;121(2 (Pt 2)):707–15 (74 ref.)

Toxic-induced hypothermia and hypometabolism: do they increase uncertainty in the extrapolation of toxicological data from experimental animals to humans? Gordon CJ. **Neurosci Biobehav Rev** 1991 Spring;15(1):95–8 (28 ref.)

PHYSIOLOGY

Quantitative assessment of regulation in metabolic systems. Hofmeyr JH, et al. **Eur J Biochem** 1991 Aug 15; 200(1):223–36 (53 ref.)

Neuroendocrine mechanisms involved in regulation of body weight, food intake and metabolism. Steffens AB, et al. **Neurosci Biobehav Rev** 1990 Fall;14(3):305–13 (87 ref.)

METABOLISM AND ENDOCRINOLOGY (SPECIALTY) see **ENDOCRINOLOGY**

METABOLISM, INBORN ERRORS

see related
ANEMIA, HEMOLYTIC, CONGENITAL
MENTAL RETARDATION

Defects of the respiratory chain. Bindoff LA, et al. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):583–619 (120 ref.)

Asymptomatic hereditary xanthinuria: a case report. Nagae A, et al. **Jpn J Med** 1990 May–Jun;29(3):287–91 (20 ref.)

BLOOD

Congenital atransferrinemia. A case report and review of the literature. Hamill RL, et al. **Am J Clin Pathol** 1991 Aug; 96(2):215–8 (11 ref.)

[Clinical aspects of zinc] Nemesánszky E, et al. **Orv Hetil** 1990 Sep 16;131(37):2015–8 (32 ref.) (Eng. Abstr.) (Hun)

COMPLICATIONS

Inborn errors as causes of acute disease in infancy. Goodman SI, et al. **Semin Perinatol** 1991 Feb;15(1 Suppl 1):31–4 (24 ref.)

[Pathogenesis and pathophysiology of carnitine deficiency, a predictable risk] Rodrigues Pereira R, et al. **Tijdschr Kindergeneeskd** 1990 Oct;58(5):145–51 (25 ref.) (Eng. Abstr.) (Dut)

DIAGNOSIS

Role of the laboratory in diagnosis of organic acidurias. Forman DT. **Ann Clin Lab Sci** 1991 Mar–Apr;21(2):85–93 (10 ref.)

Assessment of the infant with acute metabolic problems. Wiltse HE. **Ann Clin Lab Sci** 1991 Jan–Feb;21(1):40–55 (56 ref.)

Prenatal diagnosis of enzyme defects—an update. Winchester B, et al. **Arch Dis Child** 1991 Apr;66(4 Spec No):451–4 (44 ref.)

The diagnostic value of measurements for trace elements in biological material. Aggett PJ. **Beitr Infusionther** 1991; 27:53–65 (25 ref.)

Clinical approach to inherited metabolic disorders in neonates. Saudubray JM, et al. **Biol Neonate** 1990;58 Suppl 1:44–53 (12 ref.)

Prenatal diagnosis of metabolic disease. Iafolla AK, et al. **Clin Perinatol** 1990 Dec;17(4):761–77 (92 ref.)

Degenerative disorders of the brain—a clinical and biochemical approach. Goldstein EM, et al. **Indian J Pediatr** 1990 Jul–Aug;57(4):499–516 (4 ref.)

Peroxisomal disorders. Naidu S, et al. **Neurol Clin** 1990 Aug; 8(3):507–28 (110 ref.)

The diagnosis of childhood neurodegenerative disorders presenting as dementia in adults. Coker SB. **Neurology** 1991 Jun;41(6):794–8 (52 ref.)

Prenatal diagnosis of inborn errors of metabolism with renal manifestations. Harms E. **Pediatr Nephrol** 1987 Jul; 1(3):540–5 (40 ref.)

Neonatal screening for inborn errors of metabolism: update. Seashore MR. **Semin Perinatol** 1990 Dec;14(6):431–8 (40 ref.)

[Clinical aspects of hereditary peroxisomal disorders] Billette de Villemeur T, et al. **Minerva Pediatr** 1991 Mar; 43(3):115–23 (22 ref.) (Fre)

[Diagnosis of genetically determined diseases] Jacobasch G, et al. **Z Med Lab Diagn** 1991;32(3–4):134–40 (11 ref.) (Eng. Abstr.) (Ger)

[Changes in carnitine metabolism. A case report about probable partial deficiency of muscle carnitine palmitoyltransferase] De Prà M, et al. **Pediatr Med Chir** 1990 Jul–Aug;12(4):397–403 (34 ref.) (Eng. Abstr.) (Ita)

[The biochemical diagnosis of lysosomal storage diseases at medical genetic centers. II. Glycoproteinoses, sphingolipidoses (review of the literature] Gusina NB, et al. **Lab Delo** 1990;(12):4–12 (54 ref.) (Rus)

[Lysosomal storage diseases. Early prenatal diagnosis (review of the literature)] Petushkova NA. **Lab Delo** 1991;(3):6–13 (45 ref.) (Rus)

DRUG THERAPY

Beneficial effects of GH replacement therapy in adults. Christiansen JS, et al. **Acta Endocrinol (Copenh)** 1991 Jul; 125(1):7–13 (31 ref.)

In utero treatment of fetal metabolic disorders. Evans MI, et al. **Clin Obstet Gynecol** 1991 Jun;34(2):268–76 (27 ref.)

ENZYMOLOGY

Lysosomal storage diseases. Neufeld EF. **Annu Rev Biochem** 1991;60:257–80 (182 ref.)

A logical approach to the investigation of red cell enzymopathies. Lestas AN, et al. **Blood Rev** 1990 Sep; 4(3):148–57 (56 ref.)

ETIOLOGY

Saposin proteins: structure, function, and role in human lysosomal storage disorders. O'Brien JS, et al. **FASEB J** 1991 Mar 1;5(3):301–8 (49 ref.)

GENETICS

Genetic forms of dyslipidemia in children. Drash AL. **Ann N Y Acad Sci** 1991;623:222–38 (51 ref.)

The genetics of metabolic disorders of muscle. Poulton J, et al. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):621–64 (155 ref.)

Mitochondrial defects of brain and muscle. De Vivo DC, et al. **Biol Neonate** 1990;58 Suppl 1:54–69 (64 ref.)

Acatalasemia. Ogata M. **Hum Genet** 1991 Feb;86(4):331–40 (74 ref.)

Hereditary metabolic neuropathies. Goebel HH. **Zentralbl Allg Pathol** 1990;136(6):503–15 (52 ref.)

[Correction of fatal genetic diseases using bone marrow transplantation. 1] Zintl F, et al. **Kinderarztl Prax** 1991 Jan–Feb;59(1–2):6–9 (30 ref.) (Eng. Abstr.) (Ger)

[Ornithine transcarbamylase deficiency. Biochemical studies in the diagnosis of 4 cases and the identification of carriers] Briones Godino P, et al. **An Esp Pediatr** 1991 May; 34(5):360–4 (30 ref.) (Eng. Abstr.) (Spa)

[Genetics of metabolic diseases. Including cystic fibrosis] Martínez Valverde A, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 42:123–31 (45 ref.) (Spa)

METABOLISM

Chromatographic techniques in inborn errors of metabolism. Lehotay DC. **Biomed Chromatogr** 1991 May;5(3):113–21 (50 ref.)

Inborn 'errors' of drug metabolism. Pharmacokinetic and clinical implications. Lennard MS, et al. **Clin Pharmacokinet** 1990 Oct;19(4):257–63 (74 ref.)

[Peroxisomal disorders: morphological, biochemical and clinical aspects] Turowska-Heydel D. **Przegl Lek** 1990; 47(9):665–9 (24 ref.) (Pol)

PREVENTION & CONTROL

Advances in prevention and treatment of metabolic diseases. Durand P. **Beitr Infusionther** 1991;27:132–41 (10 ref.)

[Diagnosis and therapy of acute metabolic crisis in the neonatal period] Sperl W, et al. **Padiatr Padol** 1991; 26(1):13–7 (21 ref.) (Eng. Abstr.) (Ger)

THERAPY

Advances in prevention and treatment of metabolic diseases. Durand P. **Beitr Infusionther** 1991;27:132–41 (10 ref.)

Displacement bone marrow transplantation for some inborn errors. Hobbs JR. **J Inherited Metab Dis** 1990;13(4):572–96 (52 ref.)

METABOLITE MARKERS, NEOPLASM see **TUMOR MARKERS, BIOLOGICAL**

METACARPOPHALANGEAL JOINT

[Laxity in the metacarpophalangeal joint of the thumb] Gottlieb J, et al. **Nord Med** 1991;106(1):16–8 (15 ref.) (Eng. Abstr.) (Dan)

METACARPUS

[Metacarpal bone chondrosarcoma. Apropos of a case] Oberlin P, et al. **Ann Chir Main Memb Super** 1991; 10(2):184–6 (5 ref.) (Eng. Abstr.) (Fre)

[Radiologic study of osteopenic syndromes. Between tradition and innovation] Cammisa M, et al. **Radiol Med (Torino)** 1990 Jul–Aug;80(1–2):1–8 (10 ref.) (Ita)

METAETHICS see **ETHICS**

METAL METABOLISM, INBORN ERRORS

GENETICS

Iron storage disease in parents and sibs of infants with neonatal hemochromatosis: 30-year follow-up. Dalhøj J, et al. **Am J Med Genet** 1990 Nov;37(3):342–5 (16 ref.)

PATHOLOGY

Hyperlipidemias, lipid storage disorders, metal storage disorders, and ochronosis. Rooney PJ. **Curr Opin Rheumatol** 1991 Feb;3(1):166–71 (61 ref.)

METALLO-ORGANIC COMPOUNDS see **ORGANOMETALLIC COMPOUNDS**

METALLOPORPHYRINS

THERAPEUTIC USE

[Pharmacologic treatment of neonatal jaundice] Gabilan JC. **Arch Fr Pediatr** 1991 Mar;48(3):223–5 (24 ref.) (Fre)

METALLOPROTEASES see **METALLOPROTEINASES**

METALLOPROTEINASES

IMMUNOLOGY

The role of inflammatory mediators in the pathogenesis of periodontal disease. Page RC. **J Periodont Res** 1991 May; 26(3 (Pt 2)):230–42 (97 ref.)

METABOLISM

Role and regulation of metalloproteinases in connective tissue turnover. Murphy G, et al. **Biochem Soc Trans** 1990 Oct; 18(5):812–5 (24 ref.)

Cellular functions of metallo-endoproteinases. Lennarz WJ, et al. **Biochim Biophys Acta** 1991 Jul 22;1071(2):149–58 (78 ref.)

Metalloproteinases and tissue damage. Murphy G, et al. **Br J Rheumatol** 1991;30 Suppl 1:25–31 (45 ref.)

Extracellular matrix metalloproteinases in tumor invasion and metastasis. Goldberg GI, et al. **Cancer Treat Res** 1991; 53:421–40 (119 ref.)

PHYSIOLOGY

Stromelysin in tumor progression and metastasis. McDonnell S, et al. **Cancer Metastasis Rev** 1990 Dec;9(4):305–19 (87 ref.)

The role of metalloproteinases in tumor cell metastasis.

METALLOPROTEINASES

Schultz RM. **Cancer Treat Res** 1991;54:119–33 (79 ref.)
Matrix metalloproteinases and their inhibitors in connective tissue remodeling. Woessner JF Jr. **FASEB J** 1991 May; 5(8):2145–54 (78 ref.)
Metalloproteinases and cancer invasion. Liotta LA, et al. **Semin Cancer Biol** 1990 Apr;1(2):99–106 (35 ref.)
Stromelysin/transin and tumor progression. Matrisian LM, et al. **Semin Cancer Biol** 1990 Apr;1(2):107–15 (34 ref.)

SECRETION

Proteinases and the glomerulus: their role in glomerular diseases. Davies M, et al. **Klin Wochenschr** 1990 Nov 16; 68(22):1145–9 (29 ref.)

METALLOPROTEINS

Iron–binding proteins. Brock JH.
Acta Paediatr Scand Suppl 1989;361:31–43 (128 ref.)

CHEMISTRY

Enzymes depending on the pterin molybdenum cofactor: sequence families, spectroscopic properties of molybdenum and possible cofactor–binding domains. Wootton JC, et al. **Biochim Biophys Acta** 1991 Mar 29;1057(2):157–85 (215 ref.)
Structure and function of the nickel porphinoid, coenzyme F430 and of its enzyme, methyl coenzyme M reductase. Friedmann HC, et al. **FEMS Microbiol Rev** 1990 Dec; 7(3–4):339–48 (70 ref.)

METABOLISM

Novel aspects of the biochemistry of the molybdenum cofactor. Rajagopalan KV.
Adv Enzymol Relat Areas Mol Biol 1991;64:215–90 (91 ref.)

METALLOTHIONEIN

Naturally occurring and recombinant metallothioneins: structure, immunoreactivity and metal–binding functions. Kay J, et al. **Int J Biochem** 1991;23(1):1–5 (37 ref.)

GENETICS

Regulation of metallothionein gene expression. Andrews GK. **Prog Food Nutr Sci** 1990;14(2–3):193–258 (272 ref.)
[Mechanisms of amyloid deposition] Yamamura K. **Nippon Rinsho** 1991 Apr;49(4):775–8 (6 ref.) **(Jpn)**

PHYSIOLOGY

Modulation of metal toxicity by metallothionein. Nordberg GF. **Biol Trace Elem Res** 1989 Jul–Sep;21:131–5 (30 ref.)
Binding and detoxification of heavy metals in lower vertebrates with reference to metallothionein. Hogstrand C, et al. **Comp Biochem Physiol [C]** 1991;100(1–2):137–41 (73 ref.)

METALLURGY

Definition of exposure in epidemiological studies on foundry workers. Simonato L. **IARC Sci Publ** 1990;(104):368–74 (13 ref.)
Estimated risk of lung cancer attributable to occupational exposures in iron and steel foundries. Tossavainen A. **IARC Sci Publ** 1990;(104):363–7 (16 ref.)
The safety of low melting point bismuth/lead alloys: a review. Glasgow GP. **Med Dosim** 1991 Mar;16(1):13–8 (13 ref.)
[Laboratory diagnosis of renal changes caused by occupational chemical factors] Hanke J, et al. **Wiad Lek** 1990 Jun 15;43(12):583–9 (25 ref.) (Eng. Abstr.) **(Pol)**
[Public health and ecological aspects of the protection of the biosphere against industrial fluorine–containing wastes] Shcherbakov SV, et al. **Vestn Akad Med Nauk SSSR** 1991; (1):54–9 (51 ref.) **(Rus)**

METALS

see related
ORGANOMETALLIC COMPOUNDS

Structural and chemical properties of ATP and its metal complexes in solution. Cohn M. **Ann N Y Acad Sci** 1990; 603:151–64 (55 ref.)
Regulation of bacterial gene expression by metal–protein complexes. Hennecke H. **Mol Microbiol** 1990 Oct; 4(10):1621–8 (77 ref.)
The impact of heavy metals on lowland rivers and the implications for man and the environment. Bubb JM, et al. **Sci Total Environ** 1991 Mar;100 Spec No:207–33 (193 ref.)

ADVERSE EFFECTS

Neurobehavioral effects of toxicity due to metals, solvents, and insecticides. White RF, et al. **Clin Neuropharmacol** 1990 Oct;13(5):392–412 (94 ref.)
[Combined effects of embryotoxic and teratogenic environmental chemical factors (review of the literature)] Litvinov NN, et al. **Gig Sanit** 1990 Nov;(11):80–2 (50 ref.) **(Rus)**
[Hygienic significance of late effects of chemical substances and their standardization (review of the literature)] Riazanova RA. **Gig Sanit** 1990 Nov;(11):72–5 (34 ref.) **(Rus)**
[Effect of atmospheric pollution on health of the population and immunologic reactivity (review of the literature)] Ustinenko AN, et al. **Gig Sanit** 1990 Aug;(8):11–5 (70 ref.) **(Rus)**

ANALYSIS

Self–association of nucleotides. Effects of protonation and metal ion coordination. Sigel H. **Biol Trace Elem Res** 1989 Jul–Sep;21:49–59 (28 ref.)
Cytology of pollutant metals in marine invertebrates: a review of microanalytical applications. Nott JA. **Scanning Microsc** 1991 Mar;5(1):191–204; discussion 204–5 (90 ref.)

CHEMISTRY

Transition metal ions and oxygen radicals. Goldstein S, et al. **Int Rev Exp Pathol** 1990;31:133–64 (150 ref.)
Cytochrome c oxidase metal centers: location and function. Müller M, et al. **J Bioenerg Biomembr** 1991 Apr; 23(2):291–302 (80 ref.)

METABOLISM

Complexation of labile metal ions and effect on toxicity. Martell AE. **Biol Trace Elem Res** 1989 Jul–Sep;21:295–303 (12 ref.)
Binding and detoxification of heavy metals in lower vertebrates with reference to metallothionein. Hogstrand C, et al. **Comp Biochem Physiol [C]** 1991;100(1–2):137–41 (73 ref.)
Naturally occurring and recombinant metallothioneins: structure, immunoreactivity and metal–binding functions. Kay J, et al. **Int J Biochem** 1991;23(1):1–5 (37 ref.)
Metal–catalyzed oxidation of proteins. Physiological consequences. Stadtman ER, et al. **J Biol Chem** 1991 Feb 5;266(4):2005–8 (55 ref.)
Role of free radicals and catalytic metal ions in human disease: an overview. Halliwell B, et al. **Methods Enzymol** 1990;186:1–85 (595 ref.)

PHARMACOKINETICS

Mechanisms of metal transport across liver cell plasma membranes. Ballatori N. **Drug Metab Rev** 1991; 23(1–2):83–132 (349 ref.)
Transport of heavy metals by the kidney. Foulkes EC. **Toxicol Lett** 1990 Sep;53(1–2):29–31 (9 ref.)

PHARMACOLOGY

The chemistry of dioxygen species (O2, O2–., HOO., and HOOH) and their activation by transition metals. Sawyer DT. **Int Rev Exp Pathol** 1990;31:109–31 (54 ref.)
Metal ion resistance in fungi: molecular mechanisms and their regulated expression. Mehra RK, et al. **J Cell Biochem** 1991 Jan;45(1):30–40 (64 ref.)
[The limitation and inhibition of microorganism viability by metal ions] Mel'nikova VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1991 Jun;(6):80–4 (49 ref.) **(Rus)**

POISONING

New developments in therapeutic chelating agents as antidotes for metal poisoning. Jones MM. **Crit Rev Toxicol** 1991;21(3):209–33 (256 ref.)

RADIATION EFFECTS

Implanted medical devices in workers exposed to radio–frequency radiation. Hocking B, et al. **Scand J Work Environ Health** 1991 Feb;17(1):1–6 (9 ref.)

TOXICITY

Role of metal ions in oxidant cell injury. Cantoni O, et al. **Biol Trace Elem Res** 1989 Jul–Sep;21:277–81 (20 ref.)
Hydroxyl radical and singlet oxygen production and DNA damage induced by carcinogenic metal compounds and hydrogen peroxide. Kawanishi S, et al. **Biol Trace Elem Res** 1989 Jul–Sep;21:367–72 (16 ref.)
Molecular and cellular mechanisms of transformation of C3H/10T1/2 Cl 8 and diploid human fibroblasts by unique carcinogenic, nonmutagenic metal compounds. A review. Landolph JR. **Biol Trace Elem Res** 1989 Jul–Sep;21:459–67 (34 ref.)
Modulation of metal toxicity by metallothionein. Nordberg GF. **Biol Trace Elem Res** 1989 Jul–Sep;21:131–5 (30 ref.)
DNA sequence analysis of bacterial toxic heavy metal resistances. Silver S, et al. **Biol Trace Elem Res** 1989 Jul–Sep;21:145–63 (44 ref.)
Structural and functional effects of heavy metals on the nervous system, including sense organs, of fish. Baatrup E. **Comp Biochem Physiol [C]** 1991;100(1–2):253–7 (60 ref.)
Possible role of Ca2+ in heavy metal cytotoxicity. Viarengo A, et al. **Comp Biochem Physiol [C]** 1991;100(1–2):81–4 (25 ref.)
Applications of autometallography to heavy metal toxicology. Danscher G. **Pharmacol Toxicol** 1991 Jun; 68(6):414–23 (100 ref.)
Modifications of cell signalling in the cytotoxicity of metals. Rossi A, et al. **Pharmacol Toxicol** 1991 Jun;68(6):424–9 (56 ref.)
[Toxicological assessment of exposure to heavy metals] Ewers U. **Off Gesundheitswes** 1990 Aug–Sep;52(8–9):380–6 (40 ref.) (Eng. Abstr.) **(Ger)**

METALS, ACTINIDE

METABOLISM

The gastrointestinal absorption of the actinide elements. Harrison JD. **Sci Total Environ** 1991 Mar;100 Spec No:43–60 (97 ref.)

METALS, RARE EARTH

Tracing aerosol pollutants with rare earth isotopes. Ondov JM, et al. **Anal Chem** 1991 Jul 1;63(13):691A–697A (15 ref.)

ANALYSIS

Rare earth deposits in a deceased movie projectionist. A new case of rare earth pneumoconiosis? Waring PM, et al. **Med J Aust** 1990 Dec 3–17;153(11–12):726–30 (24 ref.)

DIAGNOSTIC USE

Time–resolved fluorescence in biospecific assays. Soini E, et al. **Ann Biol Clin (Paris)** 1990;48(8):567–71 (44 ref.)

METAMORPHOSIS, BIOLOGICAL

Retrofitting larval neuromuscular circuits in the metamorphosing frog. Alley KE. **J Neurobiol** 1990 Oct; 21(7):1092–107 (45 ref.)
Constant topological organization of the coleopteran metamorphosing nervous system: analysis of persistent elements in the nervous system of Tenebrio molitor. Breidbach O. **J Neurobiol** 1990 Oct;21(7):990–1001 (55 ref.)
Metamorphosis and fish vision. Evans BI, et al. **J Neurobiol** 1990 Oct;21(7):1037–52 (90 ref.)
The evolution of metamorphosis in amphibians. Fritzsch B. **J Neurobiol** 1990 Oct;21(7):1011–21 (33 ref.)
Neuronal adaptation accompanying metamorphosis in the flatfish. Graf W, et al. **J Neurobiol** 1990 Oct;21(7):1136–52 (77 ref.)
Neurometamorphosis. Harris WA. **J Neurobiol** 1990 Oct; 21(7):953–7 (14 ref.)
Metamorphosis of the amphibian eye. Hoskins SG. **J Neurobiol** 1990 Oct;21(7):970–89 (122 ref.)
Hormonally mediated changes in simple reflex circuits during metamorphosis in Manduca. Levine RB, et al. **J Neurobiol** 1990 Oct;21(7):1022–36 (43 ref.)
The gastropod nervous system in metamorphosis. Marois R, et al. **J Neurobiol** 1990 Oct;21(7):1053–71 (96 ref.)
The developing visual system and metamorphosis in the lamprey. Rubinson K. **J Neurobiol** 1990 Oct;21(7):1123–35 (60 ref.)
Metamorphosis of the central nervous system of Drosophila. Truman JW. **J Neurobiol** 1990 Oct;21(7):1072–84 (38 ref.)
Metamorphic–like changes in the nervous system of the nematode Caenorhabditis elegans. Walthall WW. **J Neurobiol** 1990 Oct;21(7):1085–91 (33 ref.)

METAPHYSICS

[Neurology and theology—on the genesis of metaphysical anemia] Wikström O. **Lakartidningen** 1991 Aug 21; 88(34):2680–1 (15 ref.) **(Swe)**

METAPLASIA

see related
MYELOID METAPLASIA

METASTASIS see **NEOPLASM METASTASIS**

METATARSAL BONES

ABNORMALITIES

Lesser metatarsalgia evaluation and treatment. Jimenez AL, et al. **Clin Podiatr Med Surg** 1990 Oct;7(4):597–618 (26 ref.)
Surgical reconstruction of a congenital foot deformity: hallux varus with brachymetatarsia of the first metatarsal. Glickman SH, et al. **J Foot Surg** 1990 Sep–Oct; 29(5):499–503 (34 ref.)

INJURIES

Lesser metatarsal stress fractures: a study of 37 cases. Childers RL Jr, et al. **Clin Podiatr Med Surg** 1990 Oct;7(4):633–44 (21 ref.)

PATHOLOGY

Pathomechanical metatarsal arc: radiographic evaluation of its geometric configuration. Demp PH. **Clin Podiatr Med Surg** 1990 Oct;7(4):765–76 (11 ref.)
Pathology of the fifth ray, including the tailor's bunion deformity. Fallat LM. **Clin Podiatr Med Surg** 1990 Oct; 7(4):689–715 (52 ref.)

SURGERY

Complications of lesser metatarsal surgery. Bellacosa RA, et al. **Clin Podiatr Med Surg** 1991 Apr;8(2):383–97 (28 ref.)
Soft–tissue bunionectomy with first metatarsal ostectomy

using minimal incision technique. Van Enoo RE. **Clin Podiatr Med Surg** 1991 Jan;8(1):71–80 (18 ref.)
Treatment of bunionette deformity with longitudinal diaphyseal osteotomy with distal soft tissue repair. Coughlin MJ. **Foot Ankle** 1991 Feb;11(4):195–203 (34 ref.)
Surgical reconstruction of a congenital foot deformity: hallux varus with brachymetatarsia of the first metatarsal. Glickman SH, et al. **J Foot Surg** 1990 Sep–Oct; 29(5):499–503 (34 ref.)

METATARSAL DEFORMITY see **FOOT DEFORMITIES**

METATARSALS see **METATARSAL BONES**

METATARSOPHALANGEAL JOINT

Freiberg's disease and dislocation of the second metatarsophalangeal joint: etiology and treatment. Beito SB, et al. **Clin Podiatr Med Surg** 1990 Oct;7(4):619–31 (49 ref.)

SURGERY

Surgical reconstruction of a congenital foot deformity: hallux varus with brachymetatarsia of the first metatarsal. Glickman SH, et al. **J Foot Surg** 1990 Sep–Oct; 29(5):499–503 (34 ref.)

METATARSUS

see related
METATARSAL BONES
Soft-tissue causes of metatarsalgia. Albert SF. **Clin Podiatr Med Surg** 1990 Oct;7(4):579–95 (29 ref.)
Lesser metatarsalgia in the geriatric patient. Helfand AE. **Clin Podiatr Med Surg** 1990 Oct;7(4):743–9 (16 ref.)
Differential diagnosis of lesser metatarsalgia. Pack LG, et al. **Clin Podiatr Med Surg** 1990 Oct;7(4):573–7 (4 ref.)
Apophysitis of the fifth metatarsal base. Iselin's disease. Schwartz B, et al. **J Am Podiatr Med Assoc** 1991 Mar; 81(3):128–30 (9 ref.)
[Spavin in horses] Barneveld A. **Tijdschr Diergeneeskd** 1990 Dec 15;115(24):1162–7 (0 ref.) (Eng. Abstr.) **(Dut)**
[Metastasis of pulmonary origin in a metatarsal head: differential diagnosis of an attack of gout. Literature review of bony metastases of hands and feet] Aellen P, et al. **Schweiz Rundsch Med Prax** 1991 Apr 9;80(15):387–90 (24 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Metatarsal metastasis. A case treated by exeresis an reconstruction] Chauveaux D, et al. **Rev Chir Orthop** 1990; 76(7):525–7 (11 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[Distal osteotomy of the metatarsal bones in the treatment of metatarsalgia] Hangody L, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1991; 34(2):95–101 (14 ref.) (Eng. Abstr.) **(Hun)**

METAVANADATE see **VANADATES**

METENCEPHALON see **PONS**

METEOROLOGICAL FACTORS

[Weather front sensitivity as an influencing factor in the onset of labor] Mészáros G, et al. **Orv Hetil** 1990 Sep 9; 131(36):1973–8 (21 ref.) (Eng. Abstr.) **(Hun)**

METFORMIN

PHARMACOLOGY

[Glycemic equilibrium and weight evolution in diabetics taking metformin] Isnard F, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:297–314 (33 ref.) **(Fre)**

METHACRYLATES

ADVERSE EFFECTS

Occupational risks of (meth)acrylate compounds in embedding media for electron microscopy. Tobler M, et al. **J Microsc** 1990 Dec;160 (Pt 3):291–8 (36 ref.)

TOXICITY

Toxicology of methacrylonitrile. Farooqui MY, et al. **Toxicology** 1991 Jan;65(3):239–50 (54 ref.)

METHADONE

ADVERSE EFFECTS

Immunological function in active heroin addicts and methadone-maintained former addicts: observations and possible mechanisms. Kreek MJ. **NIDA Res Monogr** 1991; 105:75–81 (37 ref.)

PHARMACOKINETICS

Immune function in heroin addicts and former heroin addicts in treatment: pre- and post-AIDS epidemic. Kreek MJ. **NIDA Res Monogr** 1990;96:192–219 (71 ref.)

THERAPEUTIC USE

Detoxification considerations in the medical management of substance abuse in pregnancy. Allen MH. **Bull N Y Acad Med** 1991 May–Jun;67(3):270–6 (15 ref.)
Buprenorphine: beyond methadone? Rosen MI, et al. **Hosp Community Psychiatry** 1991 Apr;42(4):347–9 (12 ref.)
[Heroin addiction treated with methadone. Experience in 50 patients] Olié JP, et al. **Presse Med** 1991 Aug 31–Sep 7; 20(27):1253–8 (15 ref.) (Eng. Abstr.) **(Fre)**
[The role of methadone in the treatment of opiate addicts: current findings in the literature] Matot JP, et al. **Rev Med Brux** 1991 Jan–Feb;12(1–2):3–8 (32 ref.) (Eng. Abstr.) **(Fre)**
[Treatment of drug dependent patients with methadone. 1: Goals, types and results of methadone programs] Böcker FM. **Fortschr Med** 1991 Feb 20;109(5):129–31 (41 ref.) (Eng. Abstr.) **(Ger)**
[Treatment of drug-dependent patients with methadone. 2: AIDS prevention by drug substitution?] Böcker FM. **Fortschr Med** 1991 Feb 20;109(5):132–5 (41 ref.) (Eng. Abstr.) **(Ger)**

METHALAMIC ACID see **IOTHALAMIC ACID**

METHAMPHETAMINE

Chronic wounds and delusions of parasitosis in the drug abuser. Marschall MA, et al. **Plast Reconstr Surg** 1991 Aug; 88(2):328–30 (19 ref.)

POISONING

Methamphetamine. Stimulant of the 1990s? Derlet RW, et al. **West J Med** 1990 Dec;153(6):625–8 (46 ref.)

METHANE

ANALOGS & DERIVATIVES

Potentiation of halomethane hepatotoxicity by chlordecone: a hypothesis for the mechanism. Mehendale HM. **Med Hypotheses** 1990 Dec;33(4):289–99 (70 ref.)

METABOLISM

Ultrastructure of methylotrophic microorganisms. Jensen TE, et al. **Biotechnology** 1991;18:39–75 (153 ref.)
Systematics of methylotrophic yeasts. Komagata K. **Biotechnology** 1991;18:25–37 (44 ref.)
Microbial parameters and their control in anaerobic digestion. Mergaert K, et al. **Microbiol Sci** 1987 Nov;4(11):348–51 (24 ref.)

METHANE-OXIDIZING BACTERIA see **METHYLOMONADACEAE**

METHANOBACTERIA see **METHANOGENS**

METHANOGENS

ENZYMOLOGY

Structure and function of the nickel porphinoid, coenzyme F430 and of its enzyme, methyl coenzyme M reductase. Friedmann HC, et al. **FEMS Microbiol Rev** 1990 Dec; 7(3–4):339–48 (70 ref.)
Biodegradation of low-molecular-weight halogenated hydrocarbons by methanotrophic bacteria. Hanson RS, et al. **FEMS Microbiol Rev** 1990 Dec;7(3–4):273–8 (22 ref.)

GENETICS

Genetics of carbon metabolism in methylotrophic bacteria. Lidstrom ME. **FEMS Microbiol Rev** 1990 Dec;7(3–4):431–6 (29 ref.)
Conservation of primary structure in prokaryotic hydrogenases. Reeve JN, et al. **FEMS Microbiol Rev** 1990 Dec;7(3–4):419–24 (36 ref.)

METABOLISM

Microbial anaerobic respiration. Moodie AD, et al. **Adv Microb Physiol** 1990;31:225–69 (189 ref.)
Formyl-methanofuran synthesis in Methanobacterium thermoautotrophicum. Bobik TA, et al. **FEMS Microbiol Rev** 1990 Dec;7(3–4):323–6 (18 ref.)
Chemistry of methylcorrinoids related to their roles in bacterial C1 metabolism. Kräutler B. **FEMS Microbiol Rev** 1990 Dec;7(3–4):349–54 (34 ref.)
Microbial parameters and their control in anaerobic digestion. Mergaert K, et al. **Microbiol Sci** 1987 Nov;4(11):348–51 (24 ref.)

PHYSIOLOGY

Organic osmolytes in methanogenic archaebacteria. Robertson DE, et al. **Biofactors** 1991 Jan;3(1):1–9 (48 ref.)
Symbiosis of protozoa with hydrogen-utilizing methanogens. Stumm CK, et al. **Microbiol Sci** 1986 Apr;3(4):100–5 (23 ref.)

METHANOL see **ALCOHOL, METHYL**

METHANOMONADACEAE see **METHYLOMONADACEAE**

METHAQUALONE

ANALOGS & DERIVATIVES

Substance abuse: the designer drugs. Beebe DK, et al. **Am Fam Physician** 1991 May;43(5):1689–98 (30 ref.)

METHEMOGLOBINEMIA

CHEMICALLY INDUCED

Methemoglobinemia induced by topical anesthetic (benzocaine). Linares LA, et al. **Radiother Oncol** 1990 Jul; 18(3):267–9 (5 ref.)
[Nitrates in drinking water in the Valencia community. Indirect risk of methemoglobinemia in infants] Vitoria Miñana I, et al. **An Esp Pediatr** 1991 Jan;34(1):43–50 (22 ref.) (Eng. Abstr.) **(Spa)**

METHICILLIN RESISTANCE

The worldwide problem of methicillin-resistant Staphylococcus aureus. Brumfitt W, et al. **Drugs Exp Clin Res** 1990;16(5):205–14 (43 ref.)
Nasal carriage of MRSA: the role of mupirocin and outlook for resistance. Hill RL, et al. **Drugs Exp Clin Res** 1990; 16(8):397–402 (56 ref.)
Should we vigorously try to contain and control methicillin-resistant Staphylococcus aureus? Boyce JM. **Infect Control Hosp Epidemiol** 1991 Jan;12(1):46–54 (95 ref.)
Methicillin-resistant Staphylococcus aureus in extended-care facilities: experiences in a Veterans' Affairs nursing home and a review of the literature. Strausbaugh LJ, et al. **Infect Control Hosp Epidemiol** 1991 Jan;12(1):36–45 (33 ref.)
Nasal carriage of Staphylococcus aureus and its influence on hospital infections caused by methicillin-resistant strains. Heczko PB, et al. **Int J Med Microbiol** 1990 Dec; 274(3):333–41 (41 ref.)

METHIMAZOLE

ADVERSE EFFECTS

Aplastic anemia associated with antithyroid drugs. Biswas N, et al. **Am J Med Sci** 1991 Mar;301(3):190–4 (36 ref.)
Unusual complications of antithyroid drug therapy: four case reports and review of literature. Baker B, et al. **Thyroidol Clin Exp** 1989 Apr;1(1):17–26 (88 ref.)

METHIONINE

METABOLISM

Mechanisms and consequences of the impaired trans-sulphuration pathway in liver disease: Part I. Biochemical implications. Mato JM, et al. **Drugs** 1990;40 Suppl 3:58–64 (34 ref.)
Mechanisms and consequences of the impaired trans-sulphuration pathway in liver disease: Part II. Clinical consequences and potential for pharmacological intervention in cirrhosis. Pisi E, et al. **Drugs** 1990;40 Suppl 3:65–72 (36 ref.)

METHIONINE ADENOSYLTRANSFERASE

BIOSYNTHESIS

Mechanisms and consequences of the impaired trans-sulphuration pathway in liver disease: Part I. Biochemical implications. Mato JM, et al. **Drugs** 1990;40 Suppl 3:58–64 (34 ref.)

METHIONINE ENKEPHALIN see **ENKEPHALIN, METHIONINE**

METHODOLOGY RESEARCH, NURSING see **NURSING METHODOLOGY RESEARCH**

METHOIN see **MEPHENYTOIN**

D-METHORPHAN see **DEXTROMETHORPHAN**

METHOTREXATE

ADMINISTRATION & DOSAGE

Rescue after intermediate and high-dose methotrexate: background, rationale, and current practice. Borsi JD, et al. **Pediatr Hematol Oncol** 1990;7(4):347–63 (66 ref.)

ADVERSE EFFECTS

The risks of antimalarial retinopathy, azathioprine lymphoma and methotrexate hepatotoxicity during the treatment of rheumatoid arthritis. Urowitz MB, et al. **Baillieres Clin Rheumatol** 1991 Aug;4(2):193–206 (76 ref.)
Rescue after intermediate and high-dose methotrexate:

background, rationale, and current practice. Borsi JD, et al. **Pediatr Hematol Oncol** 1990;7(4):347–63 (66 ref.)
[Pneumopathy caused by methotrexate] Massin F, et al. **Rev Mal Respir** 1990;7(1):5–15 (104 ref.) (Eng. Abstr.) **(Fre)**
[Adverse reactions of immunomodulatory agents] Yamanaka H, et al. **Ryumachi** 1990 Apr;30(2):143–51 (61 ref.) **(Jpn)**

ANALOGS & DERIVATIVES

Construction and chemotherapeutic potential of carboxypeptidase–A/monoclonal antibody conjugate. Esswein A, et al. **Adv Enzyme Regul** 1991;31:3–12 (12 ref.)

PHARMACOLOGY

Methotrexate: mechanism of action, pharmacokinetics, clinical indications, and toxicity. Grosflam J, et al. **Curr Opin Rheumatol** 1991 Jun;3(3):363–8 (26 ref.)

THERAPEUTIC USE

Methotrexate and leucovorin in malignant blood diseases. Jolivet J. **Baillieres Clin Haematol** 1991 Jan;4(1):1–13 (64 ref.)
Methotrexate—the rapidly acting drug. Songsiridej N, et al. **Baillieres Clin Rheumatol** 1990 Dec;4(3):575–93 (140 ref.)
Methotrexate and childhood leukemia. Jonsson OG, et al. **Cancer Invest** 1991;9(1):53–60 (54 ref.)
The practical use of methotrexate in psoriasis. Tung JP, et al. **Drugs** 1990 Nov;40(5):697–712 (94 ref.)
Methotrexate treatment of tubal pregnancy. Cannon L, et al. **Fertil Steril** 1991 Jun;55(6):1033–8 (44 ref.)
Single–agent chemotherapy for nonmetastatic gestational trophoblastic neoplasia. Perspectives for the 21st century after three decades of use. Kohorn EI. **J Reprod Med** 1991 Jan;36(1):49–55 (41 ref.)
Azathioprine and methotrexate as combination chemotherapy in rheumatoid arthritis. McKendry RJ. **J Rheumatol Suppl** 1990 Nov;25:28–33 (29 ref.)
Proposition: methotrexate should not be the first second–line agent to be used in rheumatoid arthritis if NSAIDs fail. Furst DE. **Semin Arthritis Rheum** 1990 Oct;20(2):69–75 (64 ref.)
Long–term methotrexate therapy for rheumatoid arthritis. Scully CJ, et al. **Semin Arthritis Rheum** 1991 Apr; 20(5):317–31 (120 ref.)
Methotrexate: mechanism of action in rheumatoid arthritis. Segal R, et al. **Semin Arthritis Rheum** 1990 Dec; 20(3):190–200 (25 ref.)
Resolve: methotrexate is the drug of choice after NSAIDs in rheumatoid arthritis. Willkens RF. **Semin Arthritis Rheum** 1990 Oct;20(2):76–80 (60 ref.)
Pneumocystis carinii pneumonia complicating low dose methotrexate treatment for rheumatoid arthritis. Wollner A, et al. **Thorax** 1991 Mar;46(3):205–7 (12 ref.)
[Treatment of rheumatoid polyarthritis with methotrexate] Hilliquin P, et al. **Rev Rhum Mal Osteoartic** 1991 Jun; 58(6):419–26 (44 ref.) (Eng. Abstr.) **(Fre)**
[Methotrexate. Pharmacology applied to the treatment of rheumatoid arthritis] Chassagne P, et al. **Therapie** 1990 Nov–Dec;45(6):499–504 (36 ref.) (Eng. Abstr.) **(Fre)**
[Thirty years of methotrexate treatment for psoriasis] Lotem M, et al. **Harefuah** 1991 Mar 15;120(6):337–40 (35 ref.) **(Heb)**

TOXICITY

Cytotoxic and immunologic effects of methotrexate in psoriasis. Weinstein GD, et al. **J Invest Dermatol** 1990 Nov; 95(5):49S–52S (17 ref.)

METHOXSALEN

ADVERSE EFFECTS

Photocarcinogenicity of psoralens used in PUVA treatment: present status in mouse and man. Young AR. **J Photochem Photobiol B** 1990 Jun;6(1–2):237–47 (70 ref.)

METHOXYDIMETHYLTRYPTAMINES

PHARMACOKINETICS

Observations on the metabolism of the psychotomimetic indolealkylamines: implications for future clinical studies. Sitaram BR, et al. **Biol Psychiatry** 1990 Nov 15; 28(10):841–8 (19 ref.)

METHOXYHYDROXYMANDELIC ACID see **VANILMANDELIC ACID**

METHOXYHYDROXYPHENYLGLYCOL

CEREBROSPINAL FLUID

The dexamethasone suppression test in Alzheimer's disease and major depression: relationship to dementia severity, depression, and CSF monoamines. Molchan SE, et al. **Int Psychogeriatr** 1990 Fall;2(2):99–122 (80 ref.)

URINE

Does 24–h urinary MHPG predict treatment response to antidepressants? I. A review. Garvey M, et al. **J Affective Disord** 1990 Nov;20(3):173–9 (37 ref.)

8–METHOXYPSORALEN see **METHOXSALEN**

N–METHYL–D–ASPARTATE RECEPTOR see **RECEPTOR, N–METHYL–D–ASPARTATE**

METHYL CYANIDES see **ACETONITRILES**

METHYL MERCURY COMPOUNDS see **METHYLMERCURY COMPOUNDS**

METHYL PHENETOIN see **MEPHENYTOIN**

METHYL VIOLET see **GENTIAN VIOLET**

METHYL VIOLOGEN see **PARAQUAT**

METHYLADENINE RECEPTORS see **RECEPTORS, PURINERGIC**

METHYLAMINES

METABOLISM

Formation and breakdown of glycine betaine and trimethylamine in hypersaline environments. Oren A. **Antonie Van Leeuwenhoek** 1990 Nov;58(4):291–8 (51 ref.)

N–METHYLASPARTATE

ANTAGONISTS & INHIBITORS

Do NMDA antagonists protect against cerebral ischemia: are clinical trials warranted? Buchan AM. **Cerebrovasc Brain Metab Rev** 1990 Spring;2(1):1–26 (102 ref.)

METABOLISM

Possible mechanisms limiting N–methyl–D–aspartate receptor overactivation and the therapeutic efficacy of N–methyl–D–aspartate antagonists. Choi DW. **Stroke** 1990 Nov;21(11 Suppl):III20–2 (42 ref.)

PHARMACOLOGY

Antagonists of NMDA–activated current in cortical neurons: competition with glycine and blockade of open channels. Huettner JE. **Adv Exp Med Biol** 1990;268:35–43 (42 ref.)
Kindling, prenatal exposure to ethanol and postnatal development selectively alter responses of hippocampal pyramidal cells to NMDA. Nadler JV, et al. **Adv Exp Med Biol** 1990;268:407–17 (47 ref.)
Alcohol and anesthetic actions on excitatory amino acid–activated ion channels. Weight FF, et al. **Ann N Y Acad Sci** 1991;625:97–107 (40 ref.)

N–METHYL–D–ASPARTATE see **N–METHYLASPARTATE**

METHYLBUFOTENIN see **METHOXYDIMETHYLTRYPTAMINES**

METHYLDIPHENYLHYDRAMINE see **ORPHENADRINE**

METHYLDOPAMINE see **DEOXYEPINEPHRINE**

METHYLENE BICHLORIDE see **METHYLENE CHLORIDE**

METHYLENE BLUE

The use of the diff–quik stain in the immediate interpretation of fine–needle aspiration biopsies. Silverman JF, et al. **Diagn Cytopathol** 1990;6(5):366–9 (16 ref.)

METHYLENE CHLORIDE

TOXICITY

Quantitating the production of biological reactive intermediates in target tissues: example, dichloromethane. Reitz RH. **Adv Exp Med Biol** 1991;283:649–55 (12 ref.)

METHYLENE DICHLORIDE see **METHYLENE CHLORIDE**

3,4–METHYLENEDIOXYAMPHETAMINE

ANALOGS & DERIVATIVES

Neurotoxic effect of MDMA on brain serotonin neurons: evidence from neurochemical and radioligand binding studies. De Souza EB, et al. **Ann N Y Acad Sci** 1990; 600:682–97; discussion 697–8 (28 ref.)
MDMA: historical perspectives. Gibb JW, et al. **Ann N Y Acad Sci** 1990;600:601–11; discussion 611–2 (37 ref.)
Neurotoxicity of MDMA and related compounds: anatomic studies. Molliver ME, et al. **Ann N Y Acad Sci** 1990; 600:649–61; discussion 661–4 (64 ref.)
Neurotoxicity of MDMA: neurochemical effects. Schmidt CJ, et al. **Ann N Y Acad Sci** 1990;600:665–80; discussion 680–1 (34 ref.)
[MDMA ("ecstasy"): a currently used drug in Spain] Prat A, et al. **Rev Clin Esp** 1991 Feb;188(2):106–8 (23 ref.) **(Spa)**

METHYLGLUCAMINE see **MEGLUMINE**

METHYLGLYOXAL see **PYRUVALDEHYDE**

METHYLHISTIDINES

PHARMACOLOGY

Pharmacology of alpha–fluoromethylhistidine, a specific inhibitor of histidine decarboxylase. Watanabe T, et al. **Trends Pharmacol Sci** 1990 Sep;11(9):363–7 (34 ref.)

METHYLMALONIC ACID

BLOOD

Value of neuroimaging in metabolic diseases affecting the CNS [comment] Naidu S, et al. **AJNR Am J Neuroradiol** 1991 May–Jun;12(3):413–6 (39 ref.) Comment on: AJNR Am J Neuroradiol 1991 May–Jun;12(3):403–6. Comment on: AJNR Am J Neuroradiol 1991 May–Jun;12(3):407–9. Comment on: AJNR Am J Neuroradiol 1991 May–Jun;12(3):410–2.
[Determination of homocysteine and methylmalonic acid in cobalamin deficiency. Diagnostic problem with a solution?] Schneede J, et al. **Tidsskr Nor Laegeforen** 1991 Feb 10; 111(4):450–5 (27 ref.) (Eng. Abstr.) **(Nor)**

METHYLMERCURY COMPOUNDS

METABOLISM

Accumulation of methylmercury and inorganic mercury in the brain. Friberg L, et al. **Biol Trace Elem Res** 1989 Jul–Sep;21:201–6 (18 ref.)

POISONING

Methylmercury. Clarkson T. **Fundam Appl Toxicol** 1991 Jan; 16(1):20–1 (2 ref.)
Minamata disease: what is a keystone of its molecular mechanism? A biochemical theory on the nature of methyl mercury neurotoxicity. Kuznetsov DA. **Int J Neurosci** 1990 Jul;53(1):1–51 (167 ref.)

METHYLMETHACRYLATES

Adjuvant management of benign tumors; basic concepts of phenol and cement use. Rock M. **Chir Organi Mov** 1990; 75(1 Suppl):195–7 (24 ref.)
The case for revision arthroplasty using antibiotic–loaded acrylic cement. Steinbrink K. **Clin Orthop** 1990 Dec; (261):19–22 (14 ref.)

ADMINISTRATION & DOSAGE

Antibiotic–impregnated beads. Part I: Bead implantation versus systemic therapy. Henry SL, et al. **Orthop Rev** 1991 Mar;20(3):242–7 (78 ref.)
Antibiotic–impregnated beads. Part II: Factors in antibiotic selection. Popham GJ, et al. **Orthop Rev** 1991 Apr; 20(4):331–7 (56 ref.)

ADVERSE EFFECTS

Allergy to dental materials with special reference to the use of amalgam and polymethylmethacrylate. Kaaber S. **Int Dent J** 1990 Dec;40(6):359–65 (58 ref.)

THERAPEUTIC USE

Cryosurgery and acrylic cementation as surgical adjuncts in the treatment of aggressive (benign) bone tumors. Analysis of 25 patients below the age of 21. Malawer MM, et al. **Clin Orthop** 1991 Jan;(262):42–57 (40 ref.)

METHYLNITRONITROSOGUANIDINE

TOXICITY

Is N–methyl–N'–nitro–N–nitrosoguanidine a hormonal carcinogen? (Review). Kodama M, et al. **Anticancer Res** 1991 Mar–Apr;11(2):941–6 (38 ref.)

METHYLNITROSONITROGUANIDINE see **METHYLNITRONITROSOGUANIDINE**

METHYLNITROSOUREA

THERAPEUTIC USE

Nitrosourea derivatives for the treatment of Hodgkin's

disease involving the central nervous system: a study of 23 cases. Gershanovich ML, et al. **Bull Cancer (Paris)** 1990; 77(8):821–8 (48 ref.)

METHYLOMONADACEAE

CLASSIFICATION

Taxonomy of methylotrophic bacteria. Romanovskaya VA. **Biotechnology** 1991;18:3–23 (50 ref.)

ENZYMOLOGY

Enzymes of industrial potential from methylotrophs. Duine JA, et al. **Biotechnology** 1991;18:233–52 (148 ref.)

GENETICS

Methylotrophs: genetics and commercial applications. Lidstrom ME, et al. **Annu Rev Microbiol** 1990;44:27–58 (124 ref.)

Molecular genetics of methylotrophic bacteria. Lidstrom ME, et al. **Biotechnology** 1991;18:273–304 (108 ref.)

GROWTH & DEVELOPMENT

Mixed substrates and mixed cultures. Egli T, et al. **Biotechnology** 1991;18:173–201 (121 ref.)

METABOLISM

Assimilation of carbon by methylotrophs. Anthony C. **Biotechnology** 1991;18:79–109 (2 ref.)

Regulation of oxidation and assimilation of one-carbon compounds in methylotrophic bacteria. Dikjhuizen L, et al. **Biotechnology** 1991;18:127–48 (109 ref.)

Single cell protein production from C1 compounds. Ekeroth L, et al. **Biotechnology** 1991;18:205–31 (36 ref.)

Growth yields, productivities, and maintenance energies of methylotrophs. Erickson LE, et al. **Biotechnology** 1991; 18:149–72 (85 ref.)

Ecology of methylotrophic bacteria. Hanson RS, et al. **Biotechnology** 1991;18:325–48 (131 ref.)

Oxidation pathways in methylotrophs. Rokem JS, et al. **Biotechnology** 1991;18:111–26 (55 ref.)

Production of useful chemicals by methylotrophs. Tani Y. **Biotechnology** 1991;18:253–70 (108 ref.)

ULTRASTRUCTURE

Ultrastructure of methylotrophic microorganisms. Jensen TE, et al. **Biotechnology** 1991;18:39–75 (153 ref.)

METHYLPHENIDATE

ADVERSE EFFECTS

Stimulants for ADHD in child patients with Tourette's syndrome: the issue of relative risk. Gadow KD, et al. **J Dev Behav Pediatr** 1990 Oct;11(5):269–71; discussion 272 (50 ref.)

DIAGNOSTIC USE

Treating attention-deficit hyperactivity disorder: medication and behavior management training. Barkley RA, et al. **Pediatr Ann** 1991 May;20(5):256–60, 263, 266 (30 ref.)

THERAPEUTIC USE

Psychostimulants for depression in the medically ill. Frierson RL, et al. **Am Fam Physician** 1991 Jan;43(1):163–70 (17 ref.)

[Children with attention deficit disorders with hyperactivity; the role of drugs in treatment] van der Gaag RJ, et al. **Ned Tijdschr Geneeskd** 1991 Jul 13;135(28):1261–6 (81 ref.) **(Dut)**

[Hyperkinetic syndrome in childhood and adolescence. Diagnosis and therapy] Schulz E, et al. **Med Monatsschr Pharm** 1991 May;14(5):137–48 (91 ref.) **(Ger)**

1-METHYL-4-PHENYL-1,2,3,6-TETRAHYDROPYRIDINE

The hypothalamus in MPTP-induced parkinsonism. Sandyk R, et al. **Ital J Neurol Sci** 1990 Aug;11(4):367–72 (50 ref.)

ADVERSE EFFECTS

The MPTP story: MAO activates tetrahydropyridine derivatives to toxins causing parkinsonism. Maret G, et al. **Drug Metab Rev** 1990;22(4):291–332 (183 ref.)

[Parkinsonism and 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (review of the literature)] Atadzhanov MA. **Zh Nevropatol Psikhiatr** 1991;91(4):117–21 (113 ref.) **(Rus)**

ANALOGS & DERIVATIVES

The neurotoxicity of MPTP and its relationship to the pathophysiology of Parkinson's disease. Sandyk R, et al. **Int J Neurosci** 1989 Jan;44(1–2):165–7 (10 ref.)

TOXICITY

Biochemical mechanisms of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine toxicity. Could oxidative stress be involved in the brain? Adams JD Jr, et al. **Biochem Pharmacol** 1991 Apr 15; 41(8):1099–105 (78 ref.)

MPTP-induced neurotoxicity and the quest for a preventative therapy for Parkinson's disease. Furtado JC, et al. **Can J Neurol Sci** 1991 Feb;18(1):77–82 (83 ref.)

Mechanism of the neurotoxicity of MPTP. An update. Singer TP, et al. **FEBS Lett** 1990 Nov 12;274(1–2):1–8 (58 ref.)

MPTP induced parkinsonian syndrome: long term follow-up and neurophysiological study. Onofrj M, et al. **Ital J Neurol Sci** 1990 Oct;11(5):445–58 (91 ref.)

METHYLPREDNISOLONE

PHARMACOLOGY

Methylprednisolone in spinal cord injury: the possible mechanism of action. Hsu CY, et al. **J Neurotrauma** 1990 Fall;7(3):115–9 (45 ref.)

THERAPEUTIC USE

Methylprednisolone interventions in myocardial infarction: a controversial subject. LeGal YM, et al. **Can J Cardiol** 1990 Nov;6(9):405–10 (68 ref.)

Conventional treatment of idiopathic nephrotic syndrome and membranous nephropathy in adults. Ponticelli C, et al. **Clin Nephrol** 1991;35 Suppl 1:S16–21 (49 ref.)

Differentiation of myeloid leukemic cells induced by high-dose methylprednisolone in patients with acute myeloblastic leukemia and its therapeutic potential. Hicsonmez G, et al. **Leuk Res** 1991;15(7):537–41 (78 ref.)

[Corticoid therapy in the treatment of acute alcoholic hepatitis. Results of a meta-analysis] Daures JP, et al. **Gastroenterol Clin Biol** 1991;15(3):223–8 (27 ref.) (Eng. Abstr.) **(Fre)**

[Lupus nephropathy in children. Based on the authors' caseload] Nieto Rey J, et al. **An Esp Pediatr** 1990 Nov; 33(5):451–6 (50 ref.) (Eng. Abstr.) **(Spa)**

METHYLPREDNISOLONE HEMISUCCINATE

ADVERSE EFFECTS

[Severe anaphylactoid reactions after intravenous corticosteroids. Report of a case and review of the literature] Laine-Cessac P, et al. **Therapie** 1990 Nov-Dec; 45(6):505–8 (17 ref.) (Eng. Abstr.) **(Fre)**

METHYLPREDNISOLONE SUCCINATE see **METHYLPREDNISOLONE HEMISUCCINATE**

METHYLROSANILINE CHLORIDE see **GENTIAN VIOLET**

METHYLTHIONINE CHLORIDE see **METHYLENE BLUE**

METHYLTRANSFERASES

METABOLISM

The enzymes of detoxication. Jakoby WB, et al. **J Biol Chem** 1990 Dec 5;265(34):20715–8 (56 ref.)

Properties of mammalian O6-alkylguanine-DNA transferases. Pegg AE. **Mutat Res** 1990 Nov-Dec; 233(1–2):165–75 (95 ref.)

Resistance to alkylation damage in Escherichia coli: role of the Ada protein in induction of the adaptive response. Shevell DE, et al. **Mutat Res** 1990 Nov-Dec; 233(1–2):53–72 (116 ref.)

The control of O6-methylguanine-DNA methyltransferase (MGMT) activity in mammalian cells: a pre-molecular view. Strauss BS. **Mutat Res** 1990 Nov-Dec; 233(1–2):139–50 (64 ref.)

PHYSIOLOGY

Current status of protein methylation in carcinogenesis. Duerre JA, et al. **Crit Rev Oncog** 1991;2(2):97–108 (157 ref.)

METHYLXANTHINE RECEPTORS see **RECEPTORS, PURINERGIC**

METHYMAZOL see **METHIMAZOLE**

METINDAMIDE see **INDAPAMIDE**

METOCLOPRAMIDE

ADVERSE EFFECTS

[A case of metoclopramide-induced neuroleptic malignant syndrome with cerebrospinal fluid lactic acidosis] Nagashima A, et al. **No To Shinkei** 1991 Apr;43(4):387–92 (28 ref.) (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

Batanopride (BMY-25801): a new 5-HT3 receptor antagonist for the prevention of cancer chemotherapy-induced emesis. Smaldone L, et al. **Cancer Treat Rev** 1990 Sep; 17(2–3):319–27 (11 ref.)

DIAGNOSTIC USE

[A case of undiagnosed pheochromocytoma caused by negative metoclopramide test] Miyazaki S, et al. **Nippon Naibunpi Gakkai Zasshi** 1991 Jan 20;67(1):1–7 (26 ref.) (Eng. Abstr.) **(Jpn)**

POISONING

[Atrioventricular block caused by metoclopramide poisoning] Vidal Company A, et al. **An Esp Pediatr** 1991 Apr; 34(4):313–4 (17 ref.) **(Spa)**

THERAPEUTIC USE

Gastric emptying in gastroesophageal reflux and the therapeutic role of prokinetic agents. McCallum RW. **Gastroenterol Clin North Am** 1990 Sep;19(3):551–64 (57 ref.)

[The treatment of orthostatic hypotension with metoclopramide] Laederach K, et al. **Schweiz Med Wochenschr** 1991 Feb 23;121(8):264–9 (42 ref.) (Eng. Abstr.) **(Ger)**

METOLQUIZOLONE see **METHAQUALONE**

METOPROLOL

THERAPEUTIC USE

Metoprolol for aggressive behavior in persons with mental retardation. Kastner T, et al. **Am Fam Physician** 1990 Dec; 42(6):1585–8 (28 ref.)

METRIAL GLAND

PHYSIOLOGY

Role of granulated metrial gland cells in the immunology of pregnancy [editorial] Zheng LM, et al. **Am J Reprod Immunol** 1991 Mar;25(2):72–6 (54 ref.)

METRIFONATE see **TRICHLORFON**

METRIZAMIDE

DIAGNOSTIC USE

[Ionic and non-ionic contrast media] Bryc S. **Ann Univ Mariae Curie Sklodowska [Med]** 1986;41:145–56 (29 ref.) (Eng. Abstr.) **(Pol)**

METRONIDAZOLE

ADVERSE EFFECTS

[Neuropathy caused by metronidazole. Report of a case and review of the literature] Pita-Ramírez L, et al. **Rev Invest Clin** 1990 Oct-Dec;42(4):281–4 (20 ref.) (Eng. Abstr.) **(Spa)**

PHARMACOLOGY

Review article: metronidazole and the anaerobic gut flora. Elliott TS, et al. **Aliment Pharmacol Ther** 1990 Jun; 4(3):227–38 (43 ref.)

MEVINOLIN see **LOVASTATIN**

MEXICAN AMERICANS see **HISPANIC AMERICANS**

MEXILETINE

Mexiletine. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic use in the treatment of arrhythmias [published erratum appears in Drugs 1991 Mar;41(3):377] Monk JP, et al. **Drugs** 1990 Sep; 40(3):374–411 (178 ref.)

MEZCALIN see **MESCALINE**

MGATP see **ADENOSINE TRIPHOSPHATE**

MGI-1 see **COLONY-STIMULATING FACTORS**

MGI-2 see **INTERLEUKIN-6**

MGN see **GLOMERULONEPHRITIS, MEMBRANOUS**

MHC CLASS I GENES see **GENES, MHC CLASS I**

MHPG see **METHOXYHYDROXYPHENYLGLYCOL**

MICE

Infection characteristics of Schistosoma japonicum in mice and relevance to the assessment of schistosome vaccines. Mitchell GF, et al. **Adv Parasitol** 1991;30:167–200 (185 ref.)

Animal models of obesity: genetic aspects. Johnson PR, et al. **Annu Rev Nutr** 1991;11:325–53 (220 ref.)

Histogenesis of mouse lung tumors: an overview. Boorman GA, et al. **Exp Lung Res** 1991 Mar-Apr;17(2):107–9 (14

ref.)

EMBRYOLOGY

Lung development in the mouse embryo. Ten Have-Opbroek AA. **Exp Lung Res** 1991 Mar-Apr;17(2):111-30 (19 ref.)

GENETICS

Mouse retrotransposons: a cellular reservoir of long terminal repeat (LTR) elements with diverse transcriptional specificities. Keshet E, et al. **Adv Cancer Res** 1991; 56:215-51 (195 ref.)

Retroviral leukemia and lower motor neuron disease in wild mice: natural history, pathogenesis, and genetic resistance. Gardner MB. **Adv Neurol** 1991;56:473-9 (50 ref.)

Cytogenetic methods for the mouse: preparation of chromosomes, karyotyping, and in situ hybridization. Lee JJ, et al. **Anal Biochem** 1990 Aug 15;189(1):1-17 (50 ref.)

At the crossroads of developmental genetics: the cloning of the classical mouse T locus. Silver LM. **Bioessays** 1990 Aug;12(8):377-80 (33 ref.)

Immunogenetics of the Q and TL regions of the mouse. Flaherty L, et al. **Crit Rev Immunol** 1990;10(2):131-75 (270 ref.)

Genetic aspects of oncogenesis by murine leukemia viruses in wild mice. Kozak CA, et al. **Crit Rev Oncog** 1989; 1(2):127-44 (138 ref.)

Evolution of class II genes: role of selection in both the maintenance of polymorphism and the retention of non-expressed alleles. Jones PP, et al. **Immunol Res** 1990; 9(3):200-11 (40 ref.)

Molecular cloning and sequence analysis of full-length cDNA coding for mouse contrapsin. Suzuki Y, et al. **J Biochem (Tokyo)** 1990 Sep;108(3):344-6 (15 ref.)

Mouse versions of fly developmental control genes: legitimate or illegitimate relatives? Lobe CG, et al. **New Biol** 1989 Oct;1(1):9-18 (65 ref.)

Development and applications of a molecular genetic linkage map of the mouse genome. Copeland NG, et al. **Trends Genet** 1991 Apr;7(4):113-8 (54 ref.)

Czech mouse. Rastan S. **Trends Genet** 1990 Aug;6(8):233-6 (5 ref.)

METABOLISM

Granule chymases and the characterization of mast cell phenotype and function in rat and mouse. Miller HR, et al. **Monogr Allergy** 1990;27:1-30 (71 ref.)

Neutral proteases of mouse mast cells. Serafin WE, et al. **Monogr Allergy** 1990;27:31-50 (49 ref.)

PHYSIOLOGY

Membrane currents and pharmacology of retinal bipolar cells: a comparative study on goldfish and mouse. Kaneko A, et al. **Comp Biochem Physiol [C]** 1991;98(1):115-27 (35 ref.)

MICE, ATHYMIC see **MICE, NUDE**

MICE, HOUSE see **MICE**

MICE, INBRED NZB

IMMUNOLOGY

CD5+ B cells in autoimmune disease and lymphoid malignancy. Shirai T, et al. **Clin Immunol Immunopathol** 1991 May;59(2):173-86 (80 ref.)

MICE, INBRED STRAINS

GENETICS

Mammalian genetics in the study of alcohol and anesthetic actions. Harris RA. **Ann N Y Acad Sci** 1991;625:508-14 (36 ref.)

Use of recombinant inbred strains to detect quantitative trait loci associated with behavior. Plomin R, et al. **Behav Genet** 1991 Mar;21(2):99-116 (30 ref.)

MICE, JIMPY

GENETICS

Expression of the jimpy phenotype in relation to proteolipid protein appearance. Skoff RP, et al. **Ann N Y Acad Sci** 1990;605:122-34 (48 ref.)

MICE, LABORATORY see **MICE**

MICE, MUTANT STRAINS

GENETICS

Transgenic approaches to understanding the role of MHC genes in insulin dependent diabetes mellitus. II. The non-obese diabetic (NOD) mouse. Slattery R. **Baillieres Clin Endocrinol Metab** 1991 Sep;5(3):449-54 (35 ref.)

Sex reversal in the mouse. McLaren A. **Differentiation** 1983; 23 Suppl:S93-8 (40 ref.)

Molecular basis of mouse developmental mutants. Reith AD, et al. **Genes Dev** 1991 Jul;5(7):1115-23 (130 ref.)

Inherited mouse mutations as models of human adnexal, cornification, and papulosquamous dermatoses. Sundberg JP, et al. **J Invest Dermatol** 1990 Nov;95(5):62S-63S (15 ref.)

IMMUNOLOGY

SCID mice as immune system models. McCune JM. **Curr Opin Immunol** 1991 Apr;3(2):224-8 (35 ref.)

MICE, NEUROLOGIC MUTANTS

GENETICS

Implications of double mutant phenotypes. Billings-Gagliardi S, et al. **Ann N Y Acad Sci** 1990;605:215-29 (20 ref.)

PHYSIOLOGY

Cerebellar synaptogenesis: what we can learn from mutant mice. Sotelo C. **J Exp Biol** 1990 Oct;153:225-49 (58 ref.)

[Dislocated neurons and neural network: hodological study of the motor cortex of the reeler mutant mouse] Terashima T, et al. **Hokkaido Igaku Zasshi** 1991 May;66(3):268-85 (39 ref.) (Eng. Abstr.) **(Jpn)**

MICE, NUDE

Modulation of breast cancer growth in nude mice by omega 3 lipids. Fernandes G, et al. **World Rev Nutr Diet** 1991; 66:488-503 (70 ref.)

MICE, TRANSGENIC

Using embryonic stem cells to introduce mutations into the mouse germ line. Robertson EJ. **Biol Reprod** 1991 Feb; 44(2):238-45 (41 ref.)

Analysis of regulatory genes using the transgenic mouse system. Byrne GW, et al. **Biotechnology** 1991;16:135-52 (48 ref.)

The mouse that roared. Raines LJ. **Biotechnology** 1991; 16:335-45 (4 ref.)

EMBO medal review. On transferring genes into stem cells and mice. Wagner EF. **EMBO J** 1990 Oct;9(10):3024-32 (56 ref.)

The production of transgenic mice by embryo microinjection. Landel CP. **Genet Anal Tech Appl** 1991 May;8(3):83-94 (32 ref.)

Cryopreservation of transgenic mice. Pomeroy KO. **Genet Anal Tech Appl** 1991 May;8(3):95-101 (16 ref.)

Transfected cells and transgenic mice. Minasi LA, et al. **Transplant Proc** 1991 Feb;23(1 Pt 2):1715-6 (4 ref.)

GENETICS

Transgenic approaches to understanding the role of MHC genes in insulin dependent diabetes mellitus. I. Immune and non-immune mechanisms of beta cell destruction. Harrison LC. **Baillieres Clin Endocrinol Metab** 1991 Sep;5(3):439-48 (56 ref.)

Transgenic approaches to understanding the role of MHC genes in insulin dependent diabetes mellitus. II. The non-obese diabetic (NOD) mouse. Slattery R. **Baillieres Clin Endocrinol Metab** 1991 Sep;5(3):449-54 (35 ref.)

Expression of a human multidrug-resistance cDNA (MDR1) under the control of a beta-actin promoter in transgenic mice. Galski H, et al. **Biotechnology** 1991;16:103-24 (38 ref.)

Transgenic animals: a new era in developmental biology and medicine. Isola LM, et al. **Biotechnology** 1991;16:3-20 (88 ref.)

Genome imprinting and development in the mouse. Surani MA, et al. **Dev Suppl** 1990;:89-98 (59 ref.)

Targeting gene expression to the epidermis of transgenic mice: potential applications to genetic skin disorders. Rothnagel JA, et al. **J Invest Dermatol** 1990 Nov; 95(5):59S-61S (24 ref.)

IMMUNOLOGY

Production of transgenic mice and application to immunology and autoimmunity. Mountz JD, et al. **Am J Med Sci** 1990 Nov;300(5):322-9 (23 ref.)

Transgenic mouse models of self-tolerance and autoreactivity by the immune system. Hanahan D. **Annu Rev Cell Biol** 1990;6:493-537 (112 ref.)

Transgenic mice as immune system models. Morahan G. **Curr Opin Immunol** 1991 Apr;3(2):219-23 (32 ref.)

Transgenic mice as an in vivo model for self-reactivity. Ferrick DA, et al. **Immunol Rev** 1990 Dec;118:257-83 (40 ref.)

Tolerance to self-antigens in transgenic mice. Adams TE. **Mol Biol Med** 1990 Aug;7(4):341-57 (85 ref.)

METABOLISM

Transgenic mice in renal research. Striker LJ, et al. **Adv Nephrol Necker Hosp** 1991;20:91-108 (63 ref.)

MICROBIOLOGY

Transgenic mice carrying HIV proviral DNA. Pezen DS, et al. **Biotechnology** 1991;16:213-26 (23 ref.)

PHYSIOLOGY

Effects of human growth hormone on reproductive and neuroendocrine functions in transgenic mice. Bartke A, et al. **Biotechnology** 1991;16:237-48 (34 ref.)

MICELLES

Application of scattering techniques in the domain of amphiphiles. Corti M, et al. **Adv Colloid Interface Sci** 1990 Aug;32(2-3):151-66 (23 ref.)

MICONAZOLE

PHARMACOLOGY

Pharmacology and pharmacokinetics of traditional systemic antifungal agents. Barriere SL. **Pharmacotherapy** 1990;10(6 (Pt 3)):134S-140S (50 ref.)

THERAPEUTIC USE

Miconazole in coccidioidomycosis. Levine HB. **Proc R Soc Med** 1977;70 Suppl 1:13-7 (6 ref.)

Clinical and experimental evidence on miconazole for the treatment of systemic mycoses: a review. Symoens J. **Proc R Soc Med** 1977;70 Suppl 1:4-8 (45 ref.)

MICROANGIOPATHY, DIABETIC see **DIABETIC ANGIOPATHIES**

MICROBIAL ANTAGONISM see **ANTIBIOSIS**

MICROBIAL SENSITIVITY TESTS

see related
DRUG RESISTANCE, MICROBIAL

Bacteria causing respiratory infections in children and their sensitivity to antibiotics. Stančic MA. **Acta Med Austriaca** 1990;17(4):82-4 (20 ref.)

METHODS

Antibiotic disk diffusion testing revisited. Single strain regression analysis. Review article. Kronvall G, et al. **APMIS** 1991 Apr;99(4):295-306 (45 ref.)

STANDARDS

European standards for antibiotic susceptibility testing: towards a theoretical consensus. Baquero F. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):492-5 (11 ref.)

Prospects for standardisation of methods and guidelines for disc susceptibility testing. Williams JD. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):496-501 (7 ref.)

MICROBIOLOGICAL TECHNIQUES

Microbiological screening of blood donations. Barbara JA, et al. **Baillieres Clin Haematol** 1990 Apr;3(2):339-54 (18 ref.)

Membrane inlet mass spectrometry: a universal monitor for dissolved gases in microbial physiology. Cox RP, et al. **Microbiol Sci** 1984 Nov;1(8):200-3 (17 ref.)

Flow cytometry: illuminating microbiology. Boye E, et al. **New Biol** 1990 Feb;2(2):119-25 (65 ref.)

Strategies for coping with low environmental temperatures. Harwood J. **Trends Biochem Sci** 1991 Apr;16(4):126-7 (7 ref.)

[Nucleic acid hybridization techniques] Cano R, et al. **Enferm Infecc Microbiol Clin** 1989 Mar;7(3):151-9 (26 ref.) **(Spa)**

STANDARDS

Functions and activities of the Area Committee on Microbiology of the National Committee for Clinical Laboratory Standards. Washington JA. **Clin Microbiol Rev** 1991 Apr;4(2):150-5 (29 ref.)

MICROBIOLOGY

see related
BACTERIA
FUNGI
PROTOZOA
VIRUSES

The role of the clinical microbiology laboratory in transplantation. Walker RC. **Arch Pathol Lab Med** 1991 Mar;115(3):299-305 (78 ref.)

Pathology across Europe: differences and similarities. 2. Microbiology. Banatvala JE. **J Clin Pathol** 1990 Sep; 43(9):701-2 (0 ref.)

METHODS

Culture vs direct antigen assays for detection of microbial pathogens from lower respiratory tract specimens suspected of containing the respiratory syncytial virus. Kellogg JA. **Arch Pathol Lab Med** 1991 May;115(5):451-8 (134 ref.)

New strategies in microbiological diagnosis. Pallen MJ, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:147-58 (66 ref.)

Lowicryl resins in microbiology. Carlemalm E. **J Struct Biol** 1990 Jul-Sep;104(1-3):189-91 (26 ref.)

MICROBODIES

The peroxisome and the eye. Folz SJ, et al. **Surv Ophthalmol** 1991 Mar-Apr;35(5):353-68 (168 ref.)

DRUG EFFECTS

Peroxisome proliferation and nongenotoxic carcinogenesis: commentary on a symposium. Moody DE, et al. **Fundam Appl Toxicol** 1991 Feb;16(2):233-48 (124 ref.)

ENZYMOLOGY

Peroxisomes and beta-oxidation of long-chain unsaturated carboxylic acids. Hiltunen JK. **Scand J Clin Lab Invest Suppl** 1991;204:33-46 (65 ref.)

Biosynthesis and assembly of alcohol oxidase, a peroxisomal matrix protein in methylotrophic yeasts: a review. van der Klei IJ, et al. **Yeast** 1991 Apr;7(3):195-209 (99 ref.)

[Clinical aspects of hereditary peroxisomal disorders] Billette de Villemeur T, et al. **Minerva Pediatr** 1991 Mar; 43(3):115-23 (22 ref.) **(Fre)**

METABOLISM

Metabolic aspects of peroxisomal beta-oxidation. Osmundsen H, et al. **Biochim Biophys Acta** 1991 Sep 11;1085(2):141-58 (227 ref.)

Protein import into mitochondria and peroxisomes. Horwich A. **Curr Opin Cell Biol** 1990 Aug;2(4):625-33 (27 ref.)

[Peroxisomes and neurological disorders] Suzuki Y, et al. **No To Shinkei** 1990 Jul;42(7):611-9 (48 ref.) **(Jpn)**

PHYSIOLOGY

A new cellular function for peroxisomes related to oxygen free radicals? del Río LA, et al. **Experientia** 1990 Oct 15; 46(10):989-92 (41 ref.)

[Peroxisomal disorders: morphological, biochemical and clinical aspects] Turowska-Heydel D. **Przegl Lek** 1990; 47(9):665-9 (24 ref.) **(Pol)**

ULTRASTRUCTURE

Peroxisomal disorders. Naidu S, et al. **Neurol Clin** 1990 Aug; 8(3):507-28 (110 ref.)

MICROCAPSULES see **CAPSULES**

MICROCEPHALY

CLASSIFICATION

Microcephaly: general considerations and aids to nosology. Opitz JM, et al. **J Craniofac Genet Dev Biol** 1990; 10(2):175-204 (83 ref.)

COMPLICATIONS

The syndrome of Hirschsprung disease, microcephaly, unusual face, and mental retardation. Halal F, et al. **Am J Med Genet** 1990 Sep;37(1):106-8 (11 ref.)

GENETICS

Cardio-facio cutaneous syndrome: neurological manifestations. Gross-Tsur V, et al. **Clin Genet** 1990 Nov; 38(5):382-6 (5 ref.)

MICROCIRCULATION

Effect of microcirculatory heterogeneity on the determination of pharmacokinetic parameters: implications for risk assessment. Robinson PJ. **Drug Metab Rev** 1991; 23(1-2):43-64 (45 ref.)

Clinical relevance of oxidative stress with special reference to organ microcirculatory disturbances. Suematsu M, et al. **Jpn J Med** 1990 Nov-Dec;29(6):674-7 (11 ref.)

DRUG EFFECTS

The hamster cheek pouch as a model in microcirculation research. Svensjö E. **Eur Respir J Suppl** 1990 Dec; 12:595s-600s; discussion 600s-601s (26 ref.)

Innervation and vascular pharmacodynamics of the mouse spleen. Reilly FD. **Scanning Microsc** 1991 Mar;5(1):183-8; discussion 188-9 (46 ref.)

PHYSIOLOGY

Control of the renal microvasculature by vasoactive peptides. Carmines PK, et al. **FASEB J** 1990 Dec;4(15):3300-9 (81 ref.)

Diffusion and perfusion in high resolution NMR imaging and microscopy. Ahn CB, et al. **Magn Reson Med** 1991 Jun; 19(2):228-32 (17 ref.)

NMR measurements of different tissue perfusion parameters. Dixon WT. **Magn Reson Med** 1991 Jun;19(2):210-3 (10 ref.)

Intravoxel incoherent motion imaging using spin echoes. Le Bihan D, et al. **Magn Reson Med** 1991 Jun;19(2):221-7 (18 ref.)

Diffusion imaging using stimulated echoes. Merboldt KD, et al. **Magn Reson Med** 1991 Jun;19(2):233-9 (15 ref.)

Echo-planar imaging of diffusion and perfusion. Turner R, et al. **Magn Reson Med** 1991 Jun;19(2):247-53 (22 ref.)

[Microcirculation and aging] Wiernsperger N. **Ann Cardiol Angeiol (Paris)** 1991 May;40(5):293-5 (17 ref.) **(Fre)**

[The physiology of microcirculation] Sarteel-Delvoye AM, et al. **Phlebologie** 1990 Jul-Oct;43(3):431-42; discussion 442-6 (9 ref.) **(Fre)**

[Theory of microcirculation. 1: Misinterpretations in Starling's hypothesis of microcirculation] Petrow JM. **Z Gesamte Inn Med** 1990 Sep 15;45(18):531-5 (24 ref.) **(Ger)**

[Theory of microcirculation. 2. Problems of microcirculation from the viewpoint of the new theoretical concept] Petrow JM. **Z Gesamte Inn Med** 1990 Sep 15;45(18):535-40 (24 ref.) (Eng. Abstr.) **(Ger)**

MICROCLIMATE

Trace elements in street and house dusts: sources and speciation. Fergusson JE, et al. **Sci Total Environ** 1991 Mar; 100 Spec No:125-50 (91 ref.)

MICROCOCCUS DENITRIFICANS see **PARACOCCUS DENITRIFICANS**

MICROCOCCUS PYOGENES see **STAPHYLOCOCCUS AUREUS**

MICROCOMPUTERS

Personal computers: building better projects in medicine. Anderson PC. **Adv Dermatol** 1991;6:239-60; discussion 261 (39 ref.)

Microcomputer-assisted periodic pattern recognition in the primary structure of proteins. Colosimo A, et al. **Biomed Biochim Acta** 1990;49(8-9):951-62 (27 ref.)

State of the multichannel magnetoencephalography. Vieth J. **Biomed Tech (Berlin)** 1990;35 Suppl 3:146-9 (19 ref.)

The present status of cardiac pacing. Furman S. **Herz** 1991 Jun;16(3):171-81 (34 ref.)

Computer access for persons who are blind or visually impaired: human factors issues. Griffith D. **Hum Factors** 1990 Aug;32(4):467-75 (14 ref.)

Microcomputer applications for primary health care in developing countries. Wilson RG, et al. **Infect Dis Clin North Am** 1991 Jun;5(2):247-64 (40 ref.)

Administering a microcomputer-based problem-solving examination. Kwak AR, et al. **J Biocommun** 1990;17(3):9-13 (5 ref.)

An affordable approach to interactive desktop molecular modeling. Ferrin TE, et al. **J Mol Graph** 1991 Mar; 9(1):27-32, 37-8 (26 ref.)

Use of microcomputers by young children with severe disabilities: a brief review of studies and their implications. Parette HP Jr, et al. **Percept Mot Skills** 1990 Dec;71(3 Pt 1):915-8 (14 ref.)

Harnessing computer technology for behavioral therapy training and research. Lambert ME, et al. **Prog Behav Modif** 1991;27:86-103 (100 ref.)

[Recent developments in position sensors] Schaldach M, et al. **Biomed Tech (Berlin)** 1990;35 Suppl 3:207-9 (6 ref.) **(Ger)**

[Objective determination of refraction] Friedburg D. **Fortschr Ophthalmol** 1990;87 Suppl:S138-41 (32 ref.) (Eng. Abstr.) **(Ger)**

[Which programmable functions of pacemakers are available, and what is their clinical relevance?] Jung W, et al. **Herz** 1991 Jun;16(3):158-70 (56 ref.) (Eng. Abstr.) **(Ger)**

[Anti-tachycardia stimulation in supraventricular and ventricular tachycardia with and without cardioverter/defibrillator] Klein H. **Herz** 1991 Jun; 16(3):182-98 (48 ref.) (Eng. Abstr.) **(Ger)**

[Action and reaction elements as performance-modifying components of computer use in clinical psychology] Weber P, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Dec; 42(12):755-60 (5 ref.) (Eng. Abstr.) **(Ger)**

MICROENCAPSULATION see **DRUG COMPOUNDING**

MICROFILAMENT PROTEINS

BLOOD

Human plasma gelsolin binds adenosine triphosphate. Yamamoto H, et al. **J Biochem (Tokyo)** 1990 Oct; 108(4):505-6 (21 ref.)

IMMUNOLOGY

Antibodies against vertebrate microfilament proteins in the analysis of cellular motility and adhesion. Jockusch BM, et al. **J Cell Sci Suppl** 1991;14:41-7 (20 ref.)

METABOLISM

Actin-binding proteins. Hartwig JH, et al. **Curr Opin Cell Biol** 1991 Feb;3(1):87-97 (82 ref.)

Molecular biology of actin binding proteins: evidence for a common structural domain in the F-actin binding sites of gelsolin and alpha-actinin. Way M, et al. **J Cell Sci Suppl** 1991;14:91-4 (28 ref.)

Actin binding proteins--lipid interactions. Isenberg G. **J Muscle Res Cell Motil** 1991 Apr;12(2):136-44 (100 ref.)

PHYSIOLOGY

From the structure to the function of villin, an actin-binding protein of the brush border. Friederich E, et al. **Bioessays** 1990 Sep;12(9):403-8 (32 ref.)

Profilin, a weak CAP for actin and RAS. Goldschmidt-Clermont PJ, et al. **Cell** 1991 Aug 9; 66(3):419-21 (23 ref.)

Structure and function of profilin. Haarer BK, et al. **Cell Motil Cytoskeleton** 1990;17(2):71-4 (25 ref.)

ULTRASTRUCTURE

Structure and evolution of the actin crosslinking proteins. Dubreuil RR. **Bioessays** 1991 May;13(5):219-26 (68 ref.)

MICROFILAMENTS

The use of native thick filaments in in vitro motility assays. Sellers JR, et al. **J Cell Sci Suppl** 1991;14:67-71 (31 ref.)

CHEMISTRY

Calponin and the composition of smooth muscle thin filaments [news] Lehman W. **J Muscle Res Cell Motil** 1991 Jun;12(3):221-4 (32 ref.)

PHYSIOLOGY

The actin membrane skeleton in Drosophila development. Kiehart DP. **Semin Cell Biol** 1990 Oct;1(5):325-39 (120 ref.)

[Participation of microfilaments in the formation of adhesion plaques and their importance in cell shape and proliferative regulation] Iwig M, et al. **Acta Histochem Suppl** 1990; 39:403-18 (81 ref.) (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Caldesmon and the structure of vertebrate smooth muscle thin filaments. A minireview. Lehman W, et al. **Ann N Y Acad Sci** 1990;599:75-84 (42 ref.)

MICROFILARIA

CYTOLOGY

Perspectives on the in vitro culture of filariae. Cupp MS. **In Vitro Cell Dev Biol** 1991 Jun;27A(6):505-8 (24 ref.)

MICROFLUOROMETRY, FLOW see **FLOW CYTOMETRY**

MICROGNATHISM

PHYSIOPATHOLOGY

Occlusion for the Class II jaw relations patient. Jensen WO. **J Prosthet Dent** 1990 Oct;64(4):432-4 (6 ref.)

MICROGRAPHIC SURGERY, MOHS see **MOHS SURGERY**

MICROMANIPULATION

Micromanipulation of gametes for in vitro assisted fertilization. Iritani A. **Mol Reprod Dev** 1991 Feb; 28(2):199-207 (64 ref.)

METHODS

Genomic imprinting: a gene regulatory phenomenon with important implications for micromanipulation-assisted in vitro fertilization (IVF). Gordon JW, et al. **J In Vitro Fert Embryo Transf** 1991 Feb;8(1):5-14 (51 ref.)

MICROMONOSPORA

METABOLISM

[New antineoplastic antibiotics. New drugs, new producers and new representatives of the known classes] Viadro MM, et al. **Antibiot Khimioter** 1990 Oct;35(10):52-6 (87 ref.) **(Rus)**

MICRONUCLEUS ASSAYS see **MICRONUCLEUS TESTS**

MICRONUCLEUS TESTS

Towards an automated micronucleus assay as an internal dosimeter for carcinogen-exposed human population groups. Stich HF, et al. **Recent Results Cancer Res** 1990; 120:94-105 (42 ref.)

METHODS

The present state of the automated micronucleus test for lymphocytes. Tates AD, et al. **Int J Radiat Biol** 1990 Nov; 58(5):813-25 (10 ref.)

MICROPROCESSORS see **MICROCOMPUTERS**

MICROPUNCTURES see **PUNCTURES**

MICROSCOPY

INSTRUMENTATION

[Capillaroscopic observation in angiologic diagnosis] Marinel-lo J, et al. **Angiologia** 1990 Jul-Aug;42(4):138-47 (34 ref.) (Eng. Abstr.) **(Spa)**

METHODS

Quantitative microscopy and artificial intelligence: some philosophical reflections. Kibbelaar RE, et al. **Anal Cell Pathol** 1989 Feb;1(1):1–10 (36 ref.)

Biological applications of scanning probe microscopes. Engel A. **Annu Rev Biophys Biophys Chem** 1991;20:79–108 (134 ref.)

Modelling and analysis of 3-D arrangements of particles by point processes with examples of application to biological data obtained by confocal scanning light microscopy. König D, et al. **J Microsc** 1991 Mar;161 (Pt 3):405–33 (48 ref.)

Radiation damage in soft X-ray microscopy of live mammalian cells. Shinohara K, et al. **J Microsc** 1991 Mar; 161 (Pt 3):463–72 (27 ref.)

[Diagnostic criteria in epiluminescence microscopy. Consensus meeting of the professional committee of analytic morphology of the Society of Dermatologic Research, 17 November 1989 in Hamburg] Bahmer FA, et al. **Hautarzt** 1990 Sep;41(9):513–4 (19 ref.) **(Ger)**

[Use of the immunoperoxidase method at the light microscopic level] Chumachenko PV. **Arkh Patol** 1991; 53(1):68–72 (49 ref.) (Eng. Abstr.) **(Rus)**

MICROSCOPY, ELECTRON

A fast image simulation technique for high resolution electron microscopy with multicomponent atomic species. Krakow W. **J Electron Microsc Tech** 1991 Jul;18(3):277–90 (24 ref.)

Real space modulation in Bi2Sr2CanCun + 1O6+2n and Tl2Ba2CuO6 superconductors derived from electron diffraction information. Verwerft M, et al. **J Electron Microsc Tech** 1991 Jan;17(1):70–80 (15 ref.)

Occupational risks of (meth)acrylate compounds in embedding media for electron microscopy. Tobler M, et al. **J Microsc** 1990 Dec;160 (Pt 3):291–8 (36 ref.)

Microcirculatory pathways and blood flow in spleen: new insights from washout kinetics, corrosion casts, and quantitative intravital videomicroscopy. Groom AC, et al. **Scanning Microsc** 1991 Mar;5(1):159–73; discussion 173–4 (55 ref.)

The morphology of synovial lining of various structures in several species as observed with scanning electron microscopy. Steinberg PJ, et al. **Scanning Microsc** 1990 Dec;4(4):987–1019; discussion 1019–20 (50 ref.)

Nails in light and electron microscopy. Achten G, et al. **Semin Dermatol** 1991 Mar;10(1):54–64 (33 ref.)

Historical perspective and current trends in emission microscopy, mirror electron microscopy and low-energy electron microscopy. An introduction to the proceedings of the Second International Symposium and Workshop on Emission microscopy and Related Techniques. Griffith OH, et al. **Ultramicroscopy** 1991 May;36(1-3):1–28 (198 ref.)

INSTRUMENTATION

Cold stage design for high resolution electron microscopy of biological materials. Downing KH, et al. **Electron Microsc Rev** 1990;3(2):213–26 (34 ref.)

Design and performance of a high-resolution photoelectron microscope. Rempfer GF, et al. **Ultramicroscopy** 1991 May; 36(1-3):196–221 (27 ref.)

METHODS

Cytochemical localization of beta-(1——4)-D-glucans in plant and fungal cells using an exoglucanase-gold complex. Benhamou N. **Electron Microsc Rev** 1989;2(1):123–38 (78 ref.)

Electron microscopy and image analysis of the complexes I and V of the mitochondrial respiratory chain. Brink J, et al. **Electron Microsc Rev** 1988;1(2):175–99 (121 ref.)

Imaging of protein molecules—towards atomic resolution. Bullough PA. **Electron Microsc Rev** 1990;3(2):249–67 (51 ref.)

Computation of a three dimensional image of a periodic specimen from a single view of an oblique section. Crowther RA, et al. **Electron Microsc Rev** 1990;3(1):29–42 (19 ref.)

Image analysis of single macromolecules. Frank J. **Electron Microsc Rev** 1989;2(1):53–74 (69 ref.)

Melamine resins and their application in electron microscopy. Frösch D, et al. **Electron Microsc Rev** 1989;2(2):231–55 (44 ref.)

The ultrastructure of the neuronal growth cone: new insights from subcellular fractionation and rapid freezing studies. Gordon-Weeks PR. **Electron Microsc Rev** 1988;1(2):201–19 (109 ref.)

Negative staining of proteins. Kiselev NA, et al. **Electron Microsc Rev** 1990;3(1):43–72 (151 ref.)

Strategy and tactics in electron microscopy of cell surfaces. Nermut MV. **Electron Microsc Rev** 1989;2(1):171–96 (96 ref.)

The actin cytoskeleton. Small JV. **Electron Microsc Rev** 1988; 1(1):155–74 (100 ref.)

Transmission electron microscopy of frozen hydrated biological material. Stewart M. **Electron Microsc Rev** 1989; 2(1):117–21 (65 ref.)

Ice crystal damage and radiation effects in relation to microscopy and analysis at low temperatures. Echlin P. **J Microsc** 1991 Jan;161 (Pt 1):159–70 (29 ref.)

The potential of cryofixation and freeze substitution: observations and theoretical considerations. Kellenberger E. **J Microsc** 1991 Feb;161 (Pt 2):183–203 (62 ref.)

Lowicryl resins in microbiology. Carlemalm E. **J Struct Biol** 1990 Jul-Sep;104(1-3):189–91 (26 ref.)

New aspects of bacterial ultrastructure as revealed by modern acrylics for electron microscopy. Hobot JA. **J Struct Biol** 1990 Jul-Sep;104(1-3):169–77 (40 ref.)

Contribution of electron microscopy in the study of the interactions between pathogenic bacteria and their host cells. Ryter A. **J Struct Biol** 1990 Jul-Sep;104(1-3):163–8 (30 ref.)

Ultramicrotomy of biological objects: from the beginning to the present. Villiger W, et al. **J Struct Biol** 1990 Jul-Sep; 104(1-3):178–88 (159 ref.)

MICROSCOPY, ELECTRON, SCANNING

see related
CORROSION CASTING

Kidney structure investigations using scanning electron microscopy of corrosion casts--a state of the art review. Ditrich H, et al. **Scanning Microsc** 1990 Dec;4(4):943–56 (92 ref.)

Conventional and high resolution scanning electron microscopy of biological sectioned material. Scala C, et al. **Scanning Microsc** 1991 Mar;5(1):135–44; discussion 144–5 (13 ref.)

Scanning electron microscopic studies of the oral tissue responses to dental implants. Steflik DE, et al. **Scanning Microsc** 1990 Dec;4(4):1021–37; discussion 1037–8 (61 ref.)

The morphology of synovial lining of various structures in several species as observed with scanning electron microscopy. Steinberg PJ, et al. **Scanning Microsc** 1990 Dec;4(4):987–1019; discussion 1019–20 (50 ref.)

METHODS

STEM analysis of the dynein ATPase. Marchese-Ragona SP, et al. **Electron Microsc Rev** 1988;1(1):141–53 (38 ref.)

Ice crystal damage and radiation effects in relation to microscopy and analysis at low temperatures. Echlin P. **J Microsc** 1991 Jan;161 (Pt 1):159–70 (29 ref.)

Low-temperature scanning electron microscopy in biology. Read ND, et al. **J Microsc** 1991 Jan;161 (Pt 1):59–72 (83 ref.)

Lowicryl resins in microbiology. Carlemalm E. **J Struct Biol** 1990 Jul-Sep;104(1-3):189–91 (26 ref.)

[Observation of biological macromolecules by scanning electron microscopy] Tanaka K. **Seikagaku** 1991 May; 63(5):327–34 (22 ref.) **(Jpn)**

MICROSCOPY, ELECTRON, TRANSMISSION see **MICROSCOPY, ELECTRON**

MICROSCOPY, ELECTRON, X-RAY MICROANALYSIS see **ELECTRON PROBE MICROANALYSIS**

MICROSCOPY, FLUORESCENCE

The importance of calcium regulation in toxic cell injury. Studies utilizing the technology of digital imaging fluorescence microscopy. Trump BF, et al. **Clin Lab Med** 1990 Sep;10(3):531–47 (38 ref.)

Application of confocal scanning laser microscopy in experimental pathology. Smith GJ, et al. **J Electron Microsc Tech** 1991 May;18(1):38–49 (44 ref.)

INSTRUMENTATION

In vivo, real-time confocal imaging. Jester JV, et al. **J Electron Microsc Tech** 1991 May;18(1):50–60 (14 ref.)

Detectors for fluorescence microscopy. Spring KR. **Scanning Microsc** 1991 Mar;5(1):63–9 (16 ref.)

METHODS

Illumination, wavelength selection, and detection in fluorescence microscopy. Spring KR. **Kidney Int Suppl** 1991 Jul;33:S18–22 (30 ref.)

MICROSCOPY, IMMUNOELECTRON

METHODS

Immunolabelling and electron microscopy in cytochemistry. Beesley JE. **Curr Opin Immunol** 1989-90;2(6):927–31 (29 ref.)

Immunoelectron microscopical studies on viruses. Carrascosa JL. **Electron Microsc Rev** 1988;1(1):1–16 (31 ref.)

MICROSCOPY, IMMUNOFLUORESCENCE see **MICROSCOPY, FLUORESCENCE**

MICROSOMES

IMMUNOLOGY

Prevalence of thyroid autoimmunity in insulin dependent diabetes mellitus in the Bayamon region. Sánchez-Lugo F. **Bol Asoc Med P R** 1991 Feb;83(2):54–7 (13 ref.)

METABOLISM

Ribonucleoparticle-independent transport of proteins into mammalian microsomes. Zimmermann R, et al. **J Bioenerg Biomembr** 1990 Dec;22(6):711–23 (68 ref.)

[The significanse of microsomal ethanol oxidation systems for the metabolism of drugs and pollutants] Hoffmann P, et al. **Pharmazie** 1991 Apr;46(4):241–6 (87 ref.) **(Ger)**

MICROSOMES, LIVER

DRUG EFFECTS

[Biochemical mechanism of action of the flavonoid silybin: relationship with its therapeutic properties] Valenzuela A, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):75–83 (23 ref.) **(Spa)**

ENZYMOLOGY

The molecular basis of the hepatic microsomal glucose-6-phosphatase system. Burchell A, et al. **Biochim Biophys Acta** 1991 Apr 17;1092(2):129–37 (73 ref.)

The enzymes of detoxication. Jakoby WB, et al. **J Biol Chem** 1990 Dec 5;265(34):20715–8 (56 ref.)

[Comparison of the activities of the hepatic and renal mixed function oxidase (MFO) systems in rats during different postnatal periods of life] Czekaj P, et al. **Folia Med Cracov** 1990;31(3):225–36 (30 ref.) (Eng. Abstr.) **(Pol)**

[Circadian and seasonal rhythms of the hepatic microsomal mixed function oxidase system in 60- and 100-day-old rats] Krzyżak G, et al. **Folia Med Cracov** 1990;31(3):237–50 (32 ref.) (Eng. Abstr.) **(Pol)**

[Structure and effects of benzodiazepines on hepatic microsomal monooxygenases in rats exposed to environmental temperature] Pachecka J, et al. **Folia Med Cracov** 1990;31(3):217–24 (8 ref.) (Eng. Abstr.) **(Pol)**

[Effects of age and selected inductors of aromatic hydrocarbon hydroxylase (AHH) activity in the rat liver] Plewka A, et al. **Folia Med Cracov** 1990;31(3):147–56 (23 ref.) (Eng. Abstr.) **(Pol)**

[Spectral interactions of cytochrome P-450 with n-heptane and methanol] Szutowski MM, et al. **Folia Med Cracov** 1990;31(3):175–84 (16 ref.) (Eng. Abstr.) **(Pol)**

[Induction of cytochrome P-450 monooxygenase after combined exposure of rats to xylene and ethanol] Wiśniewska-Knypl JM, et al. **Folia Med Cracov** 1990; 31(3):185–92 (12 ref.) (Eng. Abstr.) **(Pol)**

METABOLISM

Activation of carcinogens by human liver cytochromes P-450. Guengerich FP, et al. **Basic Life Sci** 1990;53:381–96 (63 ref.)

Interaction of alcohol with other drugs and nutrients. Implication for the therapy of alcoholic liver disease. Lieber CS. **Drugs** 1990;40 Suppl 3:23–44 (212 ref.)

Lindane-induced liver oxidative stress. Videla LA, et al. **Free Radic Biol Med** 1990;9(2):169–79 (105 ref.)

[Effect of monoclonal antibody against methylcholanthrene-induced cytochrome P-450 forms on benzo(a)pyrene metabolism in hepatic microsomes of C57BL/10 mice] Brauze D, et al. **Folia Med Cracov** 1990; 31(3):139–46 (11 ref.) (Eng. Abstr.) **(Pol)**

[Stimulation of microsomal lipid peroxidation as the effect of combined action of xylene and ethanol] Jajte J, et al. **Folia Med Cracov** 1990;31(3):193–9 (18 ref.) (Eng. Abstr.) **(Pol)**

[Benzodiazepines as cytochrome P-450 and cytochrome b5 inductors in rat liver microsomes] Pachecka J, et al. **Folia Med Cracov** 1990;31(3):209–15 (13 ref.) (Eng. Abstr.) **(Pol)**

[Evaluation of the inducing action of aroclor 1254 in rats in long-term experiment] Piekoszewski W, et al. **Folia Med Cracov** 1990;31(3):201–7 (21 ref.) (Eng. Abstr.) **(Pol)**

[Diurnal rhythm of phenacetin and antipyrine elimination in rats] Starek A, et al. **Folia Med Cracov** 1990;31(3):251–8 (18 ref.) (Eng. Abstr.) **(Pol)**

MICROSPHERES

see related
ENZYMES, IMMOBILIZED

Optimization of the microenvironment for mammalian cell culture in flexible collagen microspheres in a fluidized-bed bioreactor. Vournakis JN, et al. **Biotechnology** 1991; 17:305–26 (53 ref.)

MICROSPORUM

Fungal skin infections associated with animal contact. Radentz WH. **Am Fam Physician** 1991 Apr;43(4):1253–6 (10 ref.)

ISOLATION & PURIFICATION

Management of dermatophyte infections in catteries and multiple-cat households. Moriello KA. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1457–74 (16 ref.)

MICROSURGERY

Microvascular reconstruction of the lower extremity in the elderly. Goldberg JA, et al. **Clin Plast Surg** 1991 Jul; 18(3):459–65 (49 ref.)
Prevention of complications and correction of postoperative problems in microsurgery of the lower extremity. Grotting JC. **Clin Plast Surg** 1991 Jul;18(3):485–9 (5 ref.)
Surgical management of ulnar artery aneurysms. Rothkopf DM, et al. **J Hand Surg [Am]** 1990 Nov;15(6):891–7 (30 ref.)
Microsurgical free bone transfer in the dog. Fowler JD, et al. **Microsurgery** 1991;12(2):145–50 (27 ref.)
Use of anticoagulants in replantation and elective microsurgery. Siegel DB. **Microsurgery** 1991;12(4):277–80 (20 ref.)
Hypotensive anesthesia for microsurgery of the middle ear—a review. Khan FM. **Middle East J Anesthesiol** 1990 Jun; 10(5):507–17 (18 ref.)
[Advances in basic and clinical studies of microsurgery] Zhu S. **Chung Hua I Hsueh Tsa Chih** 1990 Dec;70(12):711–2 (0 ref.) **(Chi)**
[Prospects of using microsurgical techniques in surgery of the bile ducts] Skiba VV, et al. **Klin Khir** 1990;(11):52–6 (66 ref.) **(Rus)**

INSTRUMENTATION

[Endoscopic microsurgery] Cuschieri A. **Chirurg** 1991 Apr; 62(4):248–52 (15 ref.) **(Ger)**
[Suitability of different procedures for the sterilization of microsurgical instruments. A review of current and future procedures] Draeger J, et al.
Klin Monatsbl Augenheilkd 1990 Aug;197(2):133–7 (6 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Microsurgical approaches to the cavernous sinus. Rhoton AL Jr, et al. **Clin Neurosurg** 1991;37:391–439 (30 ref.)
Brachial plexus microsurgery in children. Hentz VR, et al. **Microsurgery** 1991;12(3):175–85 (24 ref.)
Regional anesthesia for microsurgery in China: a review. Fang XH. **Reg Anesth** 1989 Mar–Apr;14(2):55–7 (7 ref.)
[Primary soft tissue treatment and soft tissue reconstruction] Knopp W, et al. **Chirurg** 1991 May;62(5):378–87 (17 ref.) **(Ger)**
[Perioperative prevention in ophthalmologic microsurgery] Draeger J, et al. **Fortschr Ophthalmol** 1990;87 Suppl:S101–9 (31 ref.) (Eng. Abstr.) **(Ger)**
[Vascularized periosteal transplant. A review of a new therapeutic possibility] Stock W, et al.
Handchir Mikrochir Plast Chir 1991 May;23(3):149–56 (56 ref.) (Eng. Abstr.) **(Ger)**
[Preferred techniques of eyelid reconstruction] Beyer-Machule CK. **Klin Monatsbl Augenheilkd** 1991 Feb; 198(2):75–80 (12 ref.) (Eng. Abstr.) **(Ger)**
[Arterial occlusive disease: surgery] Vollmar JF. **Verh Dtsch Ges Inn Med** 1990;96:378–84 (20 ref.) **(Ger)**
[A case of juvenile hemifacial spasm, successfully treated by microvascular decompression] Okada J, et al.
No Shinkei Geka 1991 Jan;19(1):53–7 (17 ref.) (Eng. Abstr.) **(Jpn)**

TRENDS

Philosophy of replantation 1976–1990. Weiland AJ, et al. **Microsurgery** 1990;11(3):223–8 (30 ref.)

MICROSURGERY, LASER see **LASER SURGERY**

MICROSURGICAL REVASCULARIZATION, CEREBRAL see **CEREBRAL REVASCULARIZATION**

MICROTOMY

Immunogold labelling in combination with cryoultramicrotomy, freeze-etching, and label-fracture. Boonstra J, et al. **J Microsc** 1991 Jan;161 (Pt 1):135–47 (44 ref.)
Conventional and high resolution scanning electron microscopy of biological sectioned material. Scala C, et al. **Scanning Microsc** 1991 Mar;5(1):135–44; discussion 144–5 (13 ref.)

MICROTRABECULAR LATTICE see **CYTOSKELETON**

MICROTUBULE-ASSOCIATED PROTEINS

Molecular structure and function of microtubule-associated proteins. Wiche G, et al. **Int Rev Cytol** 1991;124:217–73 (287 ref.)

ANALYSIS

Differential distribution of cytoskeletal elements upon differentiation of human neuroblastoma cells: expression of a unique MAP2 species. Kirsch J, et al.
Prog Clin Biol Res 1991;366:327–33 (15 ref.)

CHEMISTRY

Mapping MAP-2. Harrison A, et al. **J Cell Sci** 1990 Jul;96 (Pt 3):347–9 (23 ref.)
Molecular characterization of microtubule-associated proteins tau and MAP2. Goedert M, et al.
Trends Neurosci 1991 May;14(5):193–9 (60 ref.)

ISOLATION & PURIFICATION

MAPs and motors in insect ovaries. Stebbings H, et al.
J Cell Sci Suppl 1991;14:151–5 (24 ref.)

METABOLISM

[Tau protein and beta protein] Nukina N.
Nippon Ronen Igakkai Zasshi 1990 May;27(3):276–9 (3 ref.) (Eng. Abstr.) **(Jpn)**
[Phosphorylation of tau protein] Uchida T, et al.
Nippon Ronen Igakkai Zasshi 1990 May;27(3):280–6 (15 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Microtubules, mitochondria, and molecular chaperones: a new hypothesis for in vivo assembly of microtubules. Gupta RS. **Biochem Cell Biol** 1990 Dec;68(12):1352–63 (80 ref.)
The roles of microtubule-associated proteins in brain morphogenesis: a review. Tucker RP.
Brain Res Brain Res Rev 1990 May–Aug;15(2):101–20 (125 ref.)
Non-motor microtubule-associated proteins. Olmsted JB.
Curr Opin Cell Biol 1991 Feb;3(1):52–8 (46 ref.)

MICROTUBULE PROTEINS

CHEMISTRY

The mechanochemistry of kinesin. A review. Cohn SA.
Mol Chem Neuropathol 1990 Jan;12(1):83–94 (60 ref.)

GENETICS

Genetic aspects of microtubule biology in the nematode Caenorhabditis elegans. Savage C, et al.
Cell Motil Cytoskeleton 1991;18(3):159–63 (36 ref.)
The emerging kinesin family of microtubule motor proteins. Endow SA. **Trends Biochem Sci** 1991 Jun;16(6):221–5 (31 ref.)

PHYSIOLOGY

Functions of microtubule-based motors. Schroer TA, et al.
Annu Rev Physiol 1991;53:629–52 (134 ref.)

MICROTUBULES

CHEMISTRY

Genetic aspects of microtubule biology in the nematode Caenorhabditis elegans. Savage C, et al.
Cell Motil Cytoskeleton 1991;18(3):159–63 (36 ref.)
Preparation of marked microtubules for the assay of the polarity of microtubule-based motors by fluorescence. Hyman AA. **J Cell Sci Suppl** 1991;14:125–7 (15 ref.)

DRUG EFFECTS

Tubulin sulfhydryl groups as probes and targets for antimitotic and antimicrotubule agents. Luduena RF, et al. **Pharmacol Ther** 1991;49(1–2):133–52 (110 ref.)

METABOLISM

Microtubules, mitochondria, and molecular chaperones: a new hypothesis for in vivo assembly of microtubules. Gupta RS. **Biochem Cell Biol** 1990 Dec;68(12):1352–63 (80 ref.)
Stabilization of post-translational modification of microtubules during cellular morphogenesis. Bulinski JC, et al. **Bioessays** 1991 Jun;13(6):285–93 (57 ref.)

PHYSIOLOGY

Dynamic features of microtubules as visualized by dark-field microscopy. Hotani H, et al. **Adv Biophys** 1990;26:135–56 (37 ref.)
Acetaldehyde and microtubules. Tuma DJ, et al.
Ann N Y Acad Sci 1991;625:786–92 (37 ref.)
Functions of microtubule-based motors. Schroer TA, et al.
Annu Rev Physiol 1991;53:629–52 (134 ref.)
Microtubule-based cell motility: the role of microtubules in cell motility and differentiation. Satir P, et al.
Cancer Invest 1990;8(6):685–90 (29 ref.)
Microtubule dynamics. Avila J. **FASEB J** 1990 Dec; 4(15):3284–90 (71 ref.)
Intermediate filaments may prevent buckling of compressively loaded microtubules. Brodland GW, et al.
J Biomech Eng 1990 Aug;112(3):319–21 (31 ref.)
Characteristics of the motor responsible for the gliding of native microtubules from squid axoplasm. Weiss DG, et al. **J Cell Sci Suppl** 1991;14:157–61 (29 ref.)
Transcaltachia, vesicular calcium transport, and microtubule-associated calbindin-D28K: emerging views of 1,25-dihydroxyvitamin D3-mediated intestinal calcium absorption. Nemere I, et al. **Miner Electrolyte Metab** 1990; 16(2–3):109–14 (31 ref.)
What's new in cytoskeleton-organelle interactions? Relationship between microtubules and the Golgi-apparatus. Duden R, et al. **Pathol Res Pract** 1990 Aug;186(4):535–41 (28 ref.)
Mitochondria, molecular chaperone proteins and the in vivo assembly of microtubules. Gupta RS.
Trends Biochem Sci 1990 Nov;15(11):415–8 (30 ref.)

ULTRASTRUCTURE

Structural diversity and dynamics of microtubules and polymorphic tubulin assemblies. Unger E, et al.
Electron Microsc Rev 1990;3(2):355–95 (262 ref.)
Dark-field microscopic study of microtubules in solution. Miki-Noumura T. **Int Rev Cytol** 1990;122:65–104 (92 ref.)
Structure of flagellar microtubules. Murray JM.
Int Rev Cytol 1991;125:47–93 (84 ref.)
[Ultrastructural changes in thrombocytes of patients with idiopathic thrombocytopenic purpura during the treatment with vincristine] Vashkinel VK, et al.
Gematol Transfuziol 1991 Apr;36(4):15–9 (36 ref.) (Eng. Abstr.) **(Rus)**

MICROVILLI

METABOLISM

From the structure to the function of villin, an actin-binding protein of the brush border. Friederich E, et al.
Bioessays 1990 Sep;12(9):403–8 (32 ref.)
Intestinal calcium transport in systemic disease. Studies with brush-border membrane vesicles. Schedl HP, et al.
Miner Electrolyte Metab 1990;16(2–3):147–53 (33 ref.)

MICROWAVES

see related
DIATHERMY

Microwave radiation absorption: behavioral effects. D'Andrea JA. **Health Phys** 1991 Jul;61(1):29–40 (66 ref.)
Biological effects of radiofrequency radiation: concepts and criteria. Michaelson SM. **Health Phys** 1991 Jul;61(1):3–14 (103 ref.)
Radiofrequency/microwave protection guides. Petersen RC. **Health Phys** 1991 Jul;61(1):59–67 (11 ref.)
'Trouble-shooting' microwave accelerated procedures in histology and histochemistry: understanding and dealing with artefacts, errors and hazards. Horobin RW, et al.
Histochem J 1990 Jun–Jul;22(6–7):371–6 (0 ref.)
Physics of microwave technology in histochemistry. Kok LP, et al. **Histochem J** 1990 Jun–Jul;22(6–7):381–8 (7 ref.)
Notes on the application of microwaves in histopathology. Suurmeijer AJ, et al. **Histochem J** 1990 Jun–Jul; 22(6–7):341–6 (24 ref.)

THERAPEUTIC USE

Microwave diathermy. Goats GC. **Br J Sports Med** 1990 Dec;24(4):212–8 (70 ref.)

MIDAZOLAM

[Dormicum, aneksat and their use in obstetrical and gynecological operations] Traikova V, et al.
Akush Ginekol (Sofiia) 1990;29(5):61–4 (37 ref.) **(Bul)**

ADMINISTRATION & DOSAGE

Midazolam routes of administration. Wong L, et al.
DICP 1991 May;25(5):476–7 (8 ref.)

PHARMACOLOGY

[Midazolam in anesthesiology] García-Pedrajas F, et al.
Rev Med Univ Navarra 1989 Oct–Dec;33(4):211–21 (113 ref.) (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Sleep, performance, and plasma levels in chronic insomniacs during 14-day use of flurazepam and midazolam: an introduction. Johnson LC, et al.
J Clin Psychopharmacol 1990 Aug;10(4 Suppl):5S–9S (38 ref.)

MIDBRAIN see **MESENCEPHALON**

MIDBRAIN CENTRAL GRAY see **PERIAQUEDUCTAL GRAY**

MIDDLE EAR IMPLANT see **OSSICULAR REPLACEMENT PROSTHESIS**

MIDDLE LOBE SYNDROME

GENETICS

A case of middle lobe syndrome occurring in two sisters. Takahashi H, et al. **Jpn J Surg** 1990 Sep;20(5):597–601 (8 ref.)

MIDDLE PROMOTERS see **PROMOTER REGIONS (GENETICS)**

MIDGES, NONBITING see **CHIRONOMIDAE**

MIDWIFERY

Lay midwives in Oklahoma. Giacoia GP.
J Okla State Med Assoc 1991 Apr;84(4):160–2 (13 ref.)

MIFEPRISTONE

Mifepristone (RU486) alone or in combination with a prostaglandin analogue for termination of early pregnancy: a review. Avrech OM, et al. **Fertil Steril** 1991 Sep; 56(3):385–93 (79 ref.)

Contraception—a look forward, Part II: Mifepristone and gossypol. Woolley RJ. **J Am Board Fam Pract** 1991 Mar–Apr;4(2):103–13 (97 ref.)

PHARMACOLOGY

On the mechanism of action of RU486. Baulieu EE. **Ann N Y Acad Sci** 1991;626:545–60 (90 ref.)

Antiprogesterones. Norman J. **Br J Hosp Med** 1991 Jun; 45(6):372–5 (45 ref.)

Antitumor activity and mechanism of action of different antiprogestins in experimental breast cancer models. Schneider MR, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):783–7 (9 ref.)

Progesterone receptor antagonists and prostaglandins in human fertility regulation: a clinical review. Healy DL. **Reprod Fertil Dev** 1990;2(5):477–90 (51 ref.)

[Ovulation inhibition with RU 486] Zalányi S Jr, et al. **Orv Hetil** 1991 Mar 17;132(11):563–7 (32 ref.) (Eng. Abstr.) **(Hun)**

THERAPEUTIC USE

[Oncological and endocrine administration of the antiprogestagen RU 486] Lamberts SW. **Ned Tijdschr Geneeskd** 1990 Dec 29;134(52):2521–4 (34 ref.) **(Dut)**

MIGRAINE

Migraine: current approaches to diagnosis and management. Solomon S. **Hosp Pract (Off Ed)** 1991 Apr 15;26(4):141–4, 149–52, 157–60 (0 ref.)

Migraine aura without headache. Pedersen DM, et al. **J Fam Pract** 1991 May;32(5):520–3 (12 ref.)

Migraine headaches. Diamond S. **Med Clin North Am** 1991 May;75(3):545–66 (98 ref.)

[Migraine. Various current concepts] Calderón-González R. **Bol Med Hosp Infant Mex** 1990 Jun;47(6):363–8 (17 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Migraine and the vestibular system in adults. Parker W. **Am J Otol** 1991 Jan;12(1):25–34 (43 ref.)

Migraine-related stroke. A review. Voiculescu V. **Rom J Neurol Psychiatry** 1991 Jan–Jun;29(1–2):3–8 (25 ref.)

[Opthalomoplegic migraine] Chabriat H, et al. **Rev Neurol (Paris)** 1990;146(11):682–6 (19 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Criteria for the diagnosis of migraine in clinical practice. Solomon S, et al. **Headache** 1991 Jun;31(6):384–7 (5 ref.)

The clinical diagnosis of migraine: the beginning of therapy. Blau JN. **J Neurol** 1991;238 Suppl 1:S6–11 (16 ref.)

Manifestations of migraine. Campbell JK. **Neurol Clin** 1990 Nov;8(4):841–55 (37 ref.)

DRUG THERAPY

Verapamil and migraine prophylaxis: mechanisms and efficacy. Markley HG. **Am J Med** 1991 May 17; 90(5A):48S–53S (57 ref.)

Pharmacology and use of headache medications. Solomon GD. **Cleve Clin J Med** 1990 Oct;57(7):627–35 (70 ref.)

Prophylactic and curative treatment of migraine with calcium antagonists. Amery WK. **Drug Des Deliv** 1989 May; 4(3):197–203 (36 ref.)

Preclinical studies on the anti-migraine drug, sumatriptan. Humphrey PP, et al. **Eur Neurol** 1991;31(5):282–90 (40 ref.)

Flunarizine in migraine: a minireview. Leone M, et al. **Headache** 1991 Jun;31(6):388–91 (27 ref.)

Sumatriptan in acute migraine: pharmacology and review of world experience. Peroutka SJ. **Headache** 1990;30 Suppl 2:554–60 (43 ref.)

Rationale for the use of 5-HT1-like agonists in the treatment of migraine. Feniuk W, et al. **J Neurol** 1991;238 Suppl 1:S57–61 (42 ref.)

5-HT3 receptor antagonists and migraine therapy. Ferrari MD. **J Neurol** 1991;238 Suppl 1:S53–6 (43 ref.)

5-HT2 receptor antagonists and migraine therapy. Mylecharane EJ. **J Neurol** 1991;238 Suppl 1:S45–52 (68 ref.)

A review of current drugs for migraine. Olesen J. **J Neurol** 1991;238 Suppl 1:S23–7 (14 ref.)

Pharmacology of antimigraine drugs. Saxena PR, et al. **J Neurol** 1991;238 Suppl 1:S28–35 (70 ref.)

Saint Anthony's fire revisited. Vascular problems associated with migraine medication. Magee R. **Med J Aust** 1991 Jan 21;154(2):145–9 (21 ref.)

Modern pharmacotherapy of migraine. Raskin NH. **Neurol Clin** 1990 Nov;8(4):857–65 (45 ref.)

Pharmacology of migraine. Raskin NH. **Prog Drug Res** 1990; 34:209–30 (101 ref.)

[Cluster headache and chronic paroxysmal hemicrania: current therapy] Brandt T, et al. **Nervenarzt** 1991 Jun; 62(6):329–39 (108 ref.) (Eng. Abstr.) **(Ger)**

[Pharmacologic treatment of migraine. Critical review of the literature] Pinessi L, et al. **Minerva Med** 1991 Mar; 82(3):87–95 (36 ref.) (Eng. Abstr.) **(Ita)**

EPIDEMIOLOGY

[A one-year analysis of headache patients in general practice] Stupka K. **Z Arztl Fortbild (Jena)** 1991 Jan 25;85(1–2):6–11 (33 ref.) **(Ger)**

ETIOLOGY

What is migraine? Controversy and stalemate in migraine pathophysiology. Edmeads J. **J Neurol** 1991;238 Suppl 1:S2–5 (21 ref.)

Neuroeffector functions of sensory fibres: implications for headache mechanisms and drug actions. Moskowitz MA, et al. **J Neurol** 1991;238 Suppl 1:S18–22 (29 ref.)

Pathogenesis of migraine. Appenzeller O. **Med Clin North Am** 1991 May;75(3):763–89 (139 ref.)

[Primary head and facial pain] Waespe W, et al. **Internist (Berl)** 1991 Jan;32(1):31–7 (14 ref.) **(Ger)**

[Headache—documentation and available research] Taubert K, et al. **Z Arztl Fortbild (Jena)** 1991 Jan 25;85(1–2):14–7 (10 ref.) **(Ger)**

[Current aspects of the clinical course and pathogenesis of migraine (review of the literature)] Kolosova OA, et al. **Zh Nevropatol Psikhiatr** 1991;91(5):104–6 (62 ref.) **(Rus)**

[Migraine in a pediatric emergency service] Sánchez Echaniz J, et al. **An Esp Pediatr** 1991 Apr;34(4):267–71 (20 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

5-Hydroxytryptamine and its role in migraine. Lance JW. **Eur Neurol** 1991;31(5):279–81 (32 ref.)

PHYSIOPATHOLOGY

Are TNF-alpha and IL-1 beta relevant in the pathogenesis of migraine without aura? Covelli V, et al. **Acta Neurol (Napoli)** 1991 Apr;13(2):205–11 (20 ref.)

Magnetoencephalography as a noninvasive tool for electrophysiological characterization of auras in classic migraine. Okada Y. **Adv Neurol** 1990;54:133–40 (27 ref.)

Serotonin and migraine. Humphrey PP, et al. **Ann N Y Acad Sci** 1990;600:587–98; discussion 598–600 (57 ref.)

EEG in migraine: a review of the literature. Sand T. **Funct Neurol** 1991 Jan–Mar;6(1):7–22 (118 ref.)

"Hemicrania continua": a clinical review. Bordini C, et al. **Headache** 1991 Jan;31(1):20–6 (19 ref.)

Migraine—why and how a cortical excitatory wave may initiate the aura and headache. Hardebo JE. **Headache** 1991 Apr;31(4):213–21 (81 ref.)

Review article: migraine and pregnancy. Uknis A, et al. **Headache** 1991 Jun;31(6):372–4 (10 ref.)

Extracerebral manifestations in migraine. A peptidergic involvement? Edvinsson L, et al. **J Intern Med** 1990 Oct; 228(4):299–304 (42 ref.)

Cerebral blood flow changes in migraine: methods, observations and hypotheses. Friberg L. **J Neurol** 1991;238 Suppl 1:S12–7 (37 ref.)

5-Hydroxytryptamine and the pathophysiology of migraine. Humphrey PP. **J Neurol** 1991;238 Suppl 1:S38–44 (91 ref.)

5-HT in migraine—an introduction. Saxena PR. **J Neurol** 1991;238 Suppl 1:S36–7 (6 ref.)

Neurotologic findings in basilar migraine. Olsson JE. **Laryngoscope** 1991 Jan;101(1 Pt 2 Suppl 52):1–41 (227 ref.)

Basic mechanisms in vascular headache. Moskowitz MA. **Neurol Clin** 1990 Nov;8(4):801–15 (49 ref.)

Developments in 5-hydroxytryptamine receptor pharmacology in migraine. Peroutka SJ. **Neurol Clin** 1990 Nov;8(4):829–39 (56 ref.)

Neuronal discharge hypersynchrony and the intracranial water balance in relation to glutamic acid and taurine redistribution: migraine and epilepsy. van Gelder NM. **Prog Clin Biol Res** 1990;351:1–20 (83 ref.)

New vistas on 5-HT receptors and migraine. Peroutka SJ. **Prog Neuropsychopharmacol Biol Psychiatry** 1991; 15(2):191–7 (29 ref.)

Migraine: a research field matured for the basic neurosciences. Olesen J, et al. **Trends Neurosci** 1991 Jan; 14(1):3–5 (29 ref.)

[Headache within the scope of the Brügger sternal syndrome] Albustin H, et al. **Z Arztl Fortbild (Jena)** 1991 Jan 25; 85(1–2):55–6 (3 ref.) **(Ger)**

PREVENTION & CONTROL

[Pharmacologic treatment of migraine. Critical review of the literature] Pinessi L, et al. **Minerva Med** 1991 Mar; 82(3):87–95 (36 ref.) (Eng. Abstr.) **(Ita)**

REHABILITATION

[Principles for the use of physical therapy in primary headache] Taubert K. **Z Arztl Fortbild (Jena)** 1991 Jan 25; 85(1–2):19–22 (10 ref.) **(Ger)**

THERAPY

Management of migraine. Hockaday JM. **Arch Dis Child** 1990 Oct;65(10):1174–6 (24 ref.)

Strategies for migraine management. Diamond S. **Cleve Clin J Med** 1991 May–Jun;58(3):257–61 (17 ref.)

[Hypothetical aspects of the preventive effectiveness of controlled reflex and stimulation therapy (exemplified by acupuncture and PuTENS) in migraine] Heydenreich A. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Aug; 42(8):500–7 (32 ref.) (Eng. Abstr.) **(Ger)**

[Therapy of stress headache and migraine by eliminating para-functions of the masticatory system] Schmidt H. **Z Arztl Fortbild (Jena)** 1991 Jan 25;85(1–2):63–4 (0 ref.) **(Ger)**

[Ultraviolet irradiation of blood in migraine] Taubert K. **Z Arztl Fortbild (Jena)** 1991 Jan 25;85(1–2):43–8 (24 ref.) **(Ger)**

[Carbon dioxide insufflation in headache and migraine] Taubert K. **Z Arztl Fortbild (Jena)** 1991 Jan 25; 85(1–2):23–30 (26 ref.) **(Ger)**

[Transcutaneous electric nerve stimulation (TENS) in headache and facial pain] Taubert K. **Z Arztl Fortbild (Jena)** 1991 Jan 25;85(1–2):31–6 (37 ref.) **(Ger)**

MIGRANTS see **TRANSIENTS AND MIGRANTS**

MIGRATING MOTOR COMPLEX see **MYOELECTRIC COMPLEX, MIGRATING**

MIGRATION, CELL see **CELL MOVEMENT**

MIGRATION INHIBITORY TESTS, LEUKOCYTE see **CELL MIGRATION INHIBITION**

MILITARY DENTISTRY

Infection control of field dental units. McCarthy MF, et al. **Milit Med** 1991 Jan;156(1):5–8 (27 ref.)

MILITARY HYGIENE

[Laboratory control over the nutrition of the troops in the active army] Egiazarov GM. **Voen Med Zh** 1991 Mar; (3):9–12 (11 ref.) **(Rus)**

MILITARY MEDICINE

ORGANIZATION & ADMINISTRATION

[The principles of the formation and operation of mobile medical detachments and brigades] Teriaev VG, et al. **Voen Med Zh** 1991 Jan;(1):73–5 (9 ref.) **(Rus)**

MILITARY PERSONNEL

see related

VETERANS

Characteristics of the ideal antibiotic for prevention of wound sepsis among military forces in the field. Hell K. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 2:S164–9 (34 ref.)

Endemic infectious diseases of the Middle East [published erratum appears in Rev Infect Dis 1991 May–Jun;13(3):533] Oldfield EC 3d, et al. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 3:S199–217 (168 ref.)

[Caries susceptibility and caries resistance in a sample of 8140 military conscripts. The clinico-epidemiological considerations] Bianchi S, et al. **Minerva Stomatol** 1991 Mar;40(3):175–87 (32 ref.) (Eng. Abstr.) **(Ita)**

[Laboratory control over the nutrition of the troops in the active army] Egiazarov GM. **Voen Med Zh** 1991 Mar; (3):9–12 (11 ref.) **(Rus)**

[The current problems of ischemic heart disease] Ivashkin VT, et al. **Voen Med Zh** 1991 Feb;(2):50–5 (7 ref.) **(Rus)**

[Disaster medicine and the military medical aspect of the problem of shock] Sherman DM. **Voen Med Zh** 1991 May; (5):11–5 (44 ref.) **(Rus)**

MILK

Dietary management of acute childhood diarrhea: optimal timing of feeding and appropriate use of milks and mixed diets. Brown KH. **J Pediatr** 1991 Apr;118(4 (Pt 2)):S92–8 (49 ref.)

[Not very safe anti-inflammatory therapy: NSAID and milk] Gava R. **G Clin Med** 1990 Nov;71(11):679–85 (47 ref.) **(Ita)**

[Lactose tolerance and milk consumption: myths and realities] Scrimshaw NS, et al. **Arch Latinoam Nutr** 1988 Sep; 38(3):543–67 (119 ref.) (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Whole cow milk feeding between 6 and 12 months of age? Go back to 1976. Oski FA. **Pediatr Rev** 1990 Dec; 12(6):187–9 (30 ref.)

CHEMISTRY

Evaluation of human exposure to the heptachlor epoxide contamination of milk in Hawaii. Baker DB, et al. **Hawaii Med J** 1991 Mar;50(3):108–12, 118 (24 ref.)

Role of milk-borne prostaglandins and epidermal growth factor for the suckling mammal. Koldovský O, et al. **J Am Coll Nutr** 1991 Feb;10(1):17–23 (83 ref.)

The potential for the toxic principles of Astragalus and related plants to appear in meat and milk. James LF, et al. **Vet Hum Toxicol** 1990;32 Suppl:104–9 (47 ref.)

Pyrrolizidine alkaloids in milk: thresholds of intoxication. Molyneux RJ, et al. **Vet Hum Toxicol** 1990;32 Suppl:94–103 (54 ref.)
Conium, Lupinus, and Nicotiana alkaloids: fetal effects and the potential for residues in milk. Panter KE, et al. **Vet Hum Toxicol** 1990;32 Suppl:89–93; discussion 93–4 (51 ref.)

IMMUNOLOGY

Vaccines and milk immunoglobulin concentrates for prevention of infectious diarrhea. Levine MM. **J Pediatr** 1991 Apr;118(4 (Pt 2)):S129–36 (70 ref.)

METABOLISM

Mechanisms of mammary gland ion transport. Shennan DB. **Comp Biochem Physiol [A]** 1990;97(3):317–24 (73 ref.)

MICROBIOLOGY

Enterococci in milk and milk products. Garg SK, et al. **Crit Rev Microbiol** 1991;18(1):15–45 (251 ref.)

SECRETION

Feed additives. Hutjens MF. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):525–40 (55 ref.)

MILK-ALKALI SYNDROME see **HYPERCALCEMIA**

MILK FACTOR see **MAMMARY CANCER VIRUS**

MILK, HUMAN

see related
BREAST FEEDING

CHEMISTRY

Human milk in infant nutrition [see comments] Saini AS, et al. **Indian Pediatr** 1990 Jul;27(7):681–702 (152 ref.) Comment in: Indian Pediatr 1991 Jan;28(1):86–8.
Breastfeeding and the use of psychotropic medication: a review. Buist A, et al. **J Affective Disord** 1990 Jul; 19(3):197–206 (55 ref.)
The importance of alpha-lactalbumin in infant nutrition. Heine WE, et al. **J Nutr** 1991 Mar;121(3):277–83 (42 ref.)
[Breast feeding, PCBs and dioxins] Koppe JG, et al. **Tijdschr Kindergeneeskd** 1991 Feb;59(1):9–15 (25 ref.) (Eng. Abstr.) **(Dut)**

IMMUNOLOGY

Mucosal immunity of the mammary gland and immunology of mother/newborn interrelation. Chernishov VP, et al. **Arch Immunol Ther Exp (Warsz)** 1990;38(1–2):145–64 (145 ref.)

METABOLISM

Partitioning of drugs into human milk. Begg EJ, et al. **Ann Acad Med Singapore** 1991 Jan;20(1):51–5 (22 ref.)
Dietary trace elements in early infancy. Chierici R, et al. **Beitr Infusionther** 1991;27:66–85 (120 ref.)
Gastric lipase and digestion of human milk fat. **Nutr Rev** 1990 Oct;48(10):385–7 (8 ref.)

PHYSIOLOGY

Biologically active polypeptides in milk. Britton JR, et al. **Am J Med Sci** 1991 Feb;301(2):124–32 (119 ref.)

MILK HYPERSENSITIVITY

see related
LACTOSE INTOLERANCE

ETIOLOGY

Reduction of whey protein allergenicity by processing. Jost R, et al. **Adv Exp Med Biol** 1991;289:309–20 (24 ref.)
The contribution of some constitutional factors to the development of cow's milk and gluten intolerance in children. Kaczmarski M, et al. **Rocz Akad Med Bialymst** 1988–89;33–34:167–76 (71 ref.)

PHYSIOPATHOLOGY

[Allergy to cow's milk] Cantani A, et al. **Riv Eur Sci Med Farmacol** 1990 Aug–Oct;12(4–5):213–22 (51 ref.) (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

[Does breast feeding protect from atopic diseases?] Haschke F, et al. **Padiatr Padol** 1990;25(6):415–20 (17 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

[Current pediatrics: cow's milk allergy] Cantani A. **Riv Eur Sci Med Farmacol** 1990 Aug–Oct;12(4–5):251–2 (5 ref.) **(Ger)**

MILK OF MAGNESIA see **MAGNESIUM HYDROXIDE**

MILK PROTEINS

Biologically active polypeptides in milk. Britton JR, et al. **Am J Med Sci** 1991 Feb;301(2):124–32 (119 ref.)

ADMINISTRATION & DOSAGE

Whey proteins in cancer prevention. Bounous G, et al. **Cancer Lett** 1991 May 1;57(2):91–4 (33 ref.)

ADVERSE EFFECTS

Reduction of whey protein allergenicity by processing. Jost R, et al. **Adv Exp Med Biol** 1991;289:309–20 (24 ref.)

ANALYSIS

Amino acid ratings of different forms of infant formulas based on varying degrees of processing. Sarwar G. **Adv Exp Med Biol** 1991;289:389–402 (17 ref.)

GENETICS

Modification of milk composition. Wilmut I, et al. **J Reprod Fertil Suppl** 1990;41:135–46 (58 ref.)

MILK SICKNESS see **PLANT POISONING**

MILROY'S DISEASE see **LYMPHEDEMA**

MIMAE INFECTIONS see **ACINETOBACTER INFECTIONS**

MIMETIC MUSCLES see **FACIAL MUSCLES**

MINAMATA DISEASE see **MERCURY POISONING**

MINERAL WATERS

Mineral waters in treatment of metabolic changes from fatigue in sportsmen. Grassi M, et al. **J Sports Med Phys Fitness** 1990 Dec;30(4):441–9 (37 ref.)
[Treatment of respiratory and ORL diseases with mineral waters in children] Fauquert JL, et al. **Pediatrie** 1990; 45(11):769–74 (34 ref.) (Eng. Abstr.) **(Fre)**

MINERALOCORTICOIDS

PHYSIOLOGY

What is the role of the central nervous system in mineralocorticoid hypertension? Gómez Sánchez EP. **Am J Hypertens** 1991 Apr;4(4 Pt 1):374–81 (83 ref.)

SECRETION

Two uncommon causes of mineralocorticoid excess. Syndrome of apparent mineralocorticoid excess and glucocorticoid-remediable aldosteronism. Ulick S. **Endocrinol Metab Clin North Am** 1991 Jun;20(2):269–76 (37 ref.)

MINERALS

Drug-mineral interactions: a new responsibility for the hospital dietitian. Murray JJ, et al. **J Am Diet Assoc** 1991 Jan;91(1):66–70, 73 (36 ref.)
Development and use of a pneumoconiosis database of human pulmonary inorganic particulate burden in over 400 lungs. Abraham JL, et al. **Scanning Microsc** 1991 Mar;5(1):95–104; discussion 105–8 (11 ref.)
[Minerals in Latin American diets] Carrazza FR. **Arch Latinoam Nutr** 1988 Sep;38(3):599–621 (39 ref.) (Eng. Abstr.) **(Por)**
[The rationale for the recommended levels of consumption of energy and basic food substances (mineral substances)] Kon' IIa. **Vopr Pitan** 1990 Nov-Dec;(6):9–16 (33 ref.) **(Rus)**

ADMINISTRATION & DOSAGE

Minerals: exercise performance and supplementation in athletes. Clarkson PM. **J Sports Sci** 1991 Summer;9 Spec No:91–116 (122 ref.)
Mineral and water nutrition. Beede DK. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):373–90 (60 ref.)

ADVERSE EFFECTS

Carcinogenic effects of man-made vitreous fibers. Enterline PE. **Annu Rev Public Health** 1991;12:459–80 (55 ref.)
Effects of fiber characteristics on lung deposition, retention, and disease. Lippmann M. **Environ Health Perspect** 1990 Aug;88:311–7 (35 ref.)
Human epidemiology: a review of fiber type and characteristics in the development of malignant and nonmalignant disease. Merchant JA. **Environ Health Perspect** 1990 Aug;88:287–93 (49 ref.)
Human disease consequences of fiber exposures: a review of human lung pathology and fiber burden data. Roggli VL. **Environ Health Perspect** 1990 Aug;88:295–303 (72 ref.)

ANALYSIS

A review of quantitative methods for studies of mineral content of intra-oral caries lesions. Ten Bosch JJ, et al. **J Dent Res** 1991 Jan;70(1):2–14 (98 ref.)
Dose-response tests in field surveys. Underwood BA. **J Nutr** 1990 Nov;120 Suppl 11:1455–8 (13 ref.)

METABOLISM

Effect of food processing and preparation on mineral utilization. Johnson PE. **Adv Exp Med Biol** 1991;289:483–98 (84 ref.)
Parenteral nutrition: effect on bone and mineral homeostasis. Klein GL, et al. **Annu Rev Nutr** 1991;11:93–119 (80 ref.)
The mineral elements in homoeostasis and morphogenesis. Williams RJ. **Biochem Soc Trans** 1990 Oct;18(5):689–705 (41 ref.)
Mineral metabolism in CAPD. Hamdy NA, et al. **Contrib Nephrol** 1990;85:100–10 (43 ref.)
The role of extracellular matrix components in dentin mineralization. Boskey AL. **Crit Rev Oral Biol Med** 1991; 2(3):369–87 (166 ref.)
Physiology of bone: mineral compartment proteins as candidates for environmental perturbation by lead. Sauk JJ, et al. **Environ Health Perspect** 1991 Feb;91:9–16 (86 ref.)
Renal mineralization--a ubiquitous lesion in chronic rat studies. Lord GH, et al. **Food Chem Toxicol** 1990 Jun; 28(6):449–55 (45 ref.)

PHARMACOKINETICS

Chelating properties of dietary fiber and phytate. The role for mineral availability. Frølich W. **Adv Exp Med Biol** 1990; 270:83–93 (22 ref.)

THERAPEUTIC USE

Megavitamin and megamineral therapy in childhood. Nutrition Committee, Canadian Paediatric Society [see comments] **Can Med Assoc J** 1990 Nov 15;143(10):1009–13 (51 ref.) Comment in: Can Med Assoc J 1991 Apr 1;144(7):845–6.

TOXICITY

In vitro studies on the biologic effects of fibers: correlation with in vivo bioassays. Mossman BT. **Environ Health Perspect** 1990 Aug;88:319–22 (40 ref.)

MINIMAL BRAIN DYSFUNCTION see **ATTENTION DEFICIT DISORDER WITH HYPERACTIVITY**

MINING

Cancer risks from exposure to radon progeny in mines and dwellings. Axelson O. **Recent Results Cancer Res** 1990; 120:146–65 (91 ref.)

MINK

MICROBIOLOGY

Emergence, natural history, and variation of canine, mink, and feline parvoviruses. Parrish CR. **Adv Virus Res** 1990; 38:403–50 (120 ref.)

PHYSIOLOGY

Cause-effect linkages between chemicals and populations of mink (Mustela vison) and otter (Lutra canadensis) in the Great Lakes basin. Wren CD. **J Toxicol Environ Health** 1991 Aug;33(4):549–85 (104 ref.)

MINNESOTA MULTIPHASIC PERSONALITY INVENTORY see **MMPI**

MINOCYCLINE

ADVERSE EFFECTS

Pigmented postacne osteoma cutis in a patient treated with minocycline: report and review of the literature. Moritz DL, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 2):851–3 (19 ref.)

MINOR HISTOCOMPATIBILITY ANTIGENS

The role of minor histocompatibility antigens in GVHD and rejection: a mini-review. Goulmy E, et al. **Bone Marrow Transplant** 1991;7 Suppl 1:49–51 (30 ref.)

GENETICS

Minor histocompatibility antigens. Lindahl KF. **Trends Genet** 1991 Jul;7(7):219–24 (44 ref.)

IMMUNOLOGY

Minor histocompatibility antigens. Perreault C, et al. **Blood** 1990 Oct 1;76(7):1269–80 (227 ref.)

MINOR HISTOCOMPATIBILITY LOCI

Minor histocompatibility loci. Wettstein PJ. **Immunol Ser** 1989;43:339–57 (80 ref.)

MINORITY GROUPS

Hypertension, cardiac disease, and compliance in minority patients. Francis CK. **Am J Med** 1991 Jul 18; 91(1A):29S–36S (55 ref.)

Promotion and tenure of women and minorities on medical school faculties. The American College of Physicians. **Ann Intern Med** 1991 Jan 1;114(1):63–8 (46 ref.)

Are minority children getting their fair share of dental services? Waldman HB. **ASDC J Dent Child** 1990 Sep–Oct; 57(5):380–4 (7 ref.)

Diabetes care in minority groups. Overcoming barriers to meet these patients' special needs. Davidson JA. **Postgrad Med** 1991 Aug;90(2):153–4, 157–68 (14 ref.)

PSYCHOLOGY

Psychological problems in adolescents from ethnic minorities. Lau A. **Br J Hosp Med** 1990 Sep;44(3):201–5 (15 ref.)

Senior centers and minority elders: a critical review. Ralston PA. **Gerontologist** 1991 Jun;31(3):325–31 (65 ref.)

Orthogonal cultural identification theory: the cultural identification of minority adolescents. Oetting ER, et al. **Int J Addict** 1990–91;25(5A–6A):655–85 (40 ref.)

STATISTICS & NUMERICAL DATA

Double victims: poor women and AIDS. Shayne VT, et al. **Women Health** 1991;17(1):21–37 (61 ref.)

MINOXIDIL

ADVERSE EFFECTS

[Polymyalgia induced by topical minoxidil] Colamarino R, et al. **Ann Med Interne (Paris)** 1990;141(5):425–8 (18 ref.) (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Topical minoxidil for hair loss in women. Hong D, et al. **DICP** 1990 Nov;24(11):1062–3 (12 ref.)

MIOPITHECUS TALAPOIN see **CERCOPITHECIDAE**

MIOTICS

ADVERSE EFFECTS

Miotics and retinal detachment: upgrading the community standard. Kraushar MF, et al. **Surv Ophthalmol** 1991 Jan–Feb;35(4):311–6 (18 ref.)

MIRROR WRITING see **DOMINANCE, CEREBRAL**

MISCARRIAGE see **ABORTION**

MISUSE OF HEALTH SERVICES see **HEALTH SERVICES MISUSE**

MITE CONTROL see **TICK CONTROL**

MITES

Environmental controls and immunotherapy in the treatment of chronic asthma. Adinoff AD. **J Asthma** 1990; 27(5):277–89 (53 ref.)

House dust mite (Dermatophagoides spp.) allergens: research directions and priorities in the 1990s. Baldo BA, et al. **Monogr Allergy** 1990;28:138–58 (69 ref.)

[The epidemiology of allergy to house dust mites] Vervloet D, et al. **Rev Mal Respir** 1991;8(1):59–65 (37 ref.) (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

The biology of mites. Hallas TE. **Allergy** 1991;46 Suppl 11:6–9 (10 ref.)

IMMUNOLOGY

House dust mite allergy and anti-mite measures in the indoor environment. Harving H, et al. **Allergy** 1991;46 Suppl 11:33–8 (19 ref.)

Treatment of patients allergic to house dust mites. Haugaard L, et al. **Allergy** 1991;46 Suppl 11:26–32 (41 ref.)

Diagnosis of house dust mite allergy. Heinig JH, et al. **Allergy** 1991;46 Suppl 11:19–22 (23 ref.)

Epidemiology of house dust mite allergy. Korsgaard J, et al. **Allergy** 1991;46 Suppl 11:14–8 (36 ref.)

Diagnostic procedures--exposure and environment. Mosbech H, et al. **Allergy** 1991;46 Suppl 11:23–5 (10 ref.)

Social, political, economic and health consequences of environmental treatment of house dust mites. Olsen OF, et al. **Allergy** 1991;46 Suppl 11:39–44 (30 ref.)

The antigenicity of house dust mites. Schou C, et al. **Allergy** 1991;46 Suppl 11:10–3 (22 ref.)

House-dust-mite allergens: a review. Arlian LG. **Exp Appl Acarol** 1991 Feb;10(3–4):167–86 (106 ref.)

The cellular and molecular basis of the human T cell response to Dermatophagoides spp. (house dust mite). O'Hehir RE, et al. **Parasite Immunol** 1991 Mar;13(2):109–19 (47 ref.)

PHYSIOLOGY

A review of biology and allergenicity of the house-dust mite Euroglyphus maynei (Acari: Pyroglyphidae). Colloff MJ. **Exp Appl Acarol** 1991 Jun;11(2–3):177–98 (96 ref.)

MITHRAMYCIN

ADMINISTRATION & DOSAGE

Failure of mithramycin to control the myeloid blast phase of chronic granulocytic leukemia: a report on nine patients and review of the literature. Johnson PR, et al. **Hematol Oncol** 1991 Jan–Feb;9(1):9–15 (17 ref.)

MITOCHONDRIA

Mitochondrial defects of brain and muscle. De Vivo DC, et al. **Biol Neonate** 1990;58 Suppl 1:54–69 (64 ref.)

CHEMISTRY

A mitochondrial chaperonin: genetic, biochemical, and molecular characteristics. Hallberg RL. **Semin Cell Biol** 1990 Feb;1(1):37–45 (29 ref.)

[Purification and reconstitution of membrane carrier proteins] Szewczyk A, et al. **Postepy Biochem** 1989;35(4):469–92 (180 ref.) **(Pol)**

DRUG EFFECTS

Topoisomerase II can relax; novobiocin is a mitochondrial poison after all. Collins A. **Bioessays** 1990 Oct;12(10):493–4 (16 ref.)

Interaction of drugs with extranuclear genetic elements and its consequences. Ebringer L. **Teratogenesis Carcinog Mutagen** 1990;10(6):477–501 (224 ref.)

ENZYMOLOGY

Lysosomal storage of the DCCD reactive proteolipid subunit of mitochondrial ATP synthase in human and ovine ceroid lipofuscinoses. Palmer DN, et al. **Adv Exp Med Biol** 1989; 266:211–22; discussion 223 (41 ref.)

Mitochondrial DNA and RNA polymerases. A review. Litvak S, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun; 21(1):195–202 (58 ref.)

New insights into the mitochondrial carnitine palmitoyltransferase enzyme system. McGarry JD, et al. **Biochimie** 1991 Jan;73(1):77–84 (24 ref.)

Electron microscopy and image analysis of the complexes I and V of the mitochondrial respiratory chain. Brink J, et al. **Electron Microsc Rev** 1988;1(2):175–99 (121 ref.)

The respiratory-chain NADH dehydrogenase (complex I) of mitochondria. Weiss H, et al. **Eur J Biochem** 1991 May 8;197(3):563–76 (177 ref.)

The renal mitochondrial hydroxylases of the vitamin D3 endocrine complex: how are they regulated at the molecular level? Ghazarian JG. **J Bone Miner Res** 1990 Sep;5(9):897–903 (51 ref.)

Trigonal crystals of porcine mitochondrial aspartate aminotransferase. Izard T, et al. **J Mol Biol** 1990 Oct 5; 215(3):341–4 (28 ref.)

Multiple defects of the mitochondrial respiratory chain in a mitochondrial encephalopathy (MERRF): a clinical, biochemical and molecular study. Bindoff LA, et al. **J Neurol Sci** 1991 Mar;102(1):17–24 (48 ref.)

Phylogenetic distribution of superoxide dismutase supports an endosymbiotic origin for chloroplasts and mitochondria. Grace SC. **Life Sci** 1990;47(21):1875–86 (114 ref.)

Mitochondrial aminoacyl-tRNA synthetases. Tzagoloff A, et al. **Prog Nucleic Acid Res Mol Biol** 1990;39:129–58 (121 ref.)

[ATP-synthase of bacteria, mitochondria, and chloroplasts. Properties of the F(0) membrane sector] Ivashchenko AT, et al. **Biokhimiia** 1991 Mar;56(3):406–19 (103 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Pyruvate dehydrogenase as an antigen to detect antimitochondrial antibodies. Zurgil N, et al. **Isr J Med Sci** 1990 Dec;26(12):682–5 (18 ref.)

[Mitochondrial antigens and their antibodies] De Groote J. **Acta Gastroenterol Belg** 1991 Jan–Feb;54(1):19–26 (40 ref.) (Eng. Abstr.) **(Dut)**

METABOLISM

The laboratory diagnosis of inborn errors of mitochondrial fatty acid oxidation. Bennett MJ. **Ann Clin Biochem** 1990 Nov;27 (Pt 6):519–31 (78 ref.)

Control of mitochondrial gene expression in Saccharomyces cerevisiae. Costanzo MC, et al. **Annu Rev Genet** 1990; 24:91–113 (156 ref.)

Stress proteins and mitochondrial protein import. Pfanner N, et al. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):191–3 (22 ref.)

Proteolysis of mitochondrial-coded and nuclear-coded proteins found in yeast mitochondria. Jacob G, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):145–50 (20 ref.)

Distinctive properties of adrenal cortex mitochondria. Orme-Johnson NR. **Biochim Biophys Acta** 1990 Dec 6; 1020(3):213–31 (146 ref.)

How do polypeptides cross the mitochondrial membranes? Neupert W, et al. **Cell** 1990 Nov 2;63(3):447–50 (24 ref.)

Oxidative stress in mitochondria: its relationship to cellular Ca2+ homeostasis, cell death, proliferation, and differentiation. Richter C, et al. **Chem Biol Interact** 1991; 77(1):1–23 (135 ref.)

Protein import into mitochondria and peroxisomes. Horwich A. **Curr Opin Cell Biol** 1990 Aug;2(4):625–33 (27 ref.)

Molecular studies of the uncoupling protein. Ricquier D, et al. **FASEB J** 1991 Jun;5(9):2237–42 (49 ref.)

Chloroplast and mitochondrial mechanisms for protection against oxygen toxicity. Salin ML. **Free Radic Res Commun** 1991;12–13 Pt 2:851–8 (28 ref.)

Mitochondrial protein import. Geli V, et al. **J Bioenerg Biomembr** 1990 Dec;22(6):725–51 (165 ref.)

Biogenesis of mitochondrial c-type cytochromes. Gonzales DH, et al. **J Bioenerg Biomembr** 1990 Dec;22(6):753–68 (72 ref.)

RNA editing in kinetoplastid mitochondria. Feagin JE. **J Biol Chem** 1990 Nov 15;265(32):19373–6 (41 ref.)

Mitochondrial proteins essential for viability mediate protein import into yeast mitochondria. Baker KP, et al. **Nature** 1991 Jan 17;349(6306):205–8 (58 ref.)

Mitochondrial import receptors for precursor proteins. Pfanner N, et al. **Trends Biochem Sci** 1991 Feb;16(2):63–7 (36 ref.)

RNA editing in mitochondrial mRNA of trypanosomatids. Stuart K. **Trends Biochem Sci** 1991 Feb;16(2):68–72 (29 ref.)

[Protein folding and transport in cells] Endo T. **Tanpakushitsu Kakusan Koso** 1991 Feb;36(2):128–36 (57 ref.) **(Jpn)**

[Proton potential on the inner mitochondrial membrane and its role in mitochondrial processes] Zółkiewska A. **Postepy Biochem** 1989;35(4):427–35 (60 ref.) **(Pol)**

PATHOLOGY

Neurological disease and mitochondrial genes. Harding AE. **Trends Neurosci** 1991 Apr;14(4):132–8 (43 ref.)

[Molecular biology of defects in the mitochondrial electron-transfer complexes] Tanaka M. **Seikagaku** 1991 Mar;63(3):169–87 (54 ref.) **(Jpn)**

PHYSIOLOGY

Microtubules, mitochondria, and molecular chaperones: a new hypothesis for in vivo assembly of microtubules. Gupta RS. **Biochem Cell Biol** 1990 Dec;68(12):1352–63 (80 ref.)

The genetic code in mitochondria and chloroplasts. Jukes TH, et al. **Experientia** 1990 Dec 1;46(11–12):1117–26 (37 ref.)

Contribution of diffusion to the oxygen dependence of energy metabolism in cells. Wilson DF. **Experientia** 1990 Dec 1; 46(11–12):1160–2 (17 ref.)

Behavior of mitochondria in the living cell. Bereiter-Hahn J. **Int Rev Cytol** 1990;122:1–63 (342 ref.)

The putative mitochondrial genome of Plasmodium falciparum. Feagin JE, et al. **J Protozool** 1991 May–Jun; 38(3):243–5 (34 ref.)

Saccharomyces cerevisiae as a model eukaryote for studies on mitochondriogenesis. Trivedi A, et al. **Microbiol Sci** 1985 Jan;2(1):10–3 (19 ref.)

Mitochondria, molecular chaperone proteins and the in vivo assembly of microtubules. Gupta RS. **Trends Biochem Sci** 1990 Nov;15(11):415–8 (30 ref.)

Coordination of gene expression in the formation of mammalian mitochondria. Nagley P. **Trends Genet** 1991 Jan;7(1):1–4 (20 ref.)

ULTRASTRUCTURE

Organelle transformation: shoot first, ask questions later. Butow RA, et al. **Trends Biochem Sci** 1990 Dec; 15(12):465–8 (29 ref.)

MITOCHONDRIA, HEART

METABOLISM

Propionyl-L-carnitine: biochemical significance and possible role in cardiac metabolism. Siliprandi N, et al. **Cardiovasc Drugs Ther** 1991 Feb;5 Suppl 1:11–5 (20 ref.)

A new insight into adriamycin-induced cardiotoxicity. Fu LX, et al. **Int J Cardiol** 1990 Oct;29(1):15–20 (44 ref.)

MITOCHONDRIA, LIVER

ENZYMOLOGY

Structural and enzymological properties of cellular phospholipases A2. van den Bosch H, et al. **Biochem Soc Trans** 1990 Oct;18(5):781–5 (40 ref.)

IMMUNOLOGY

[Antimitochondrial antibodies in primary biliary cirrhosis] Ulbo RM. **Ter Arkh** 1991;63(2):148–9 (24 ref.) **(Rus)**

METABOLISM

Regulation of heme biosynthesis in chick embryo liver cells. Marks GS, et al. **Adv Exp Med Biol** 1989;271:123–33 (30 ref.)

MITOCHONDRIA, MUSCLE

Mitochondrial cytopathy. Ito T, et al. **Jpn Circ J** 1990 Sep;

54(9):1214–20 (24 ref.)
MELAS syndrome. Report of two patients, and comparison with data of 24 patients derived from the literature. van Hellenberg Hubar JL, et al. **Neuropediatrics** 1991 Feb; 22(1):10–4 (47 ref.)

CHEMISTRY

Muscle mitochondrial DNA in encephalomyopathy and ragged red fibres: a Southern blot analysis and literature review. Geny C, et al. **J Neurol** 1991 Jun;238(3):171–6 (67 ref.)
[Clinical aspects of mitochondrial encephalomyopathy—abnormality of mitochondrial respiratory chain] Nakagawa M, et al. **No To Shinkei** 1990 Aug;42(8):719–33 (165 ref.) **(Jpn)**
[Biochemistry of mitochondrial encephalomyopathy] Ozawa T, et al. **No To Shinkei** 1990 Aug;42(8):707–17 (42 ref.) **(Jpn)**

METABOLISM

Defects of the respiratory chain. Bindoff LA, et al. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):583–619 (120 ref.)
Mitochondrial oxidations and ATP synthesis in muscle. Sherratt HS, et al. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):523–60 (63 ref.)

PATHOLOGY

MR demonstration of leukoencephalopathy associated with mitochondrial encephalomyopathy: case report. Sandhu FS, et al. **AJNR** 1991 Mar–Apr;12(2):375–9 (32 ref.)
[Mitochondrial cytopathies] Mousson B, et al. **Rev Med Interne** 1991 May–Jun;12(3):219–26 (41 ref.) (Eng. Abstr.) **(Fre)**
[Mitochondrial encephalomyopathy, lactic acidosis and stroke-like episodes (MELAS) associated with hypothalamo-pituitary hypofunction—a case report] Ishii A, et al. **Rinsho Shinkeigaku** 1991 Feb;31(2):179–83 (10 ref.) (Eng. Abstr.) **(Jpn)**
[Mitochondrial encephalomyopathy: a new etiology of epilepsia partialis continua] Carrascosa Romero MC, et al. **An Esp Pediatr** 1990 Aug;33(2):156–9 (22 ref.) **(Spa)**

PHYSIOLOGY

Metabolic and mitochondrial myopathies. Wortmann RL. **Curr Opin Rheumatol** 1989 Dec;1(4):427–31 (15 ref.)
The different relationship of VO2max to muscle mitochondria in humans and quadrupedal animals. Hoppeler H. **Respir Physiol** 1990 May–Jun;80(2–3):137–45 (28 ref.)

ULTRASTRUCTURE

Mitochondrial myopathies and myoencephalopathies. Byrne E. **Curr Opin Rheumatol** 1990 Dec;2(6):889–95 (21 ref.)
[Pathology of mitochondrial encephalomyopathies] Ohama E, et al. **No To Shinkei** 1990 Aug;42(8):735–46 (58 ref.) **(Jpn)**

MITOCHONDRIAL DNA see **DNA, MITOCHONDRIAL**

MITOGEN RECEPTORS see **RECEPTORS, MITOGEN**

MITOGENIC FACTORS, LYMPHOCYTE see **INTERLEUKIN-2**

MITOGENS

Mitogenic toxins as MHC class II-dependent probes for T cell antigen receptors. Fleischer B, et al. **Behring Inst Mitt** 1991 Feb;(88):170–6 (17 ref.)
T lymphocyte-stimulating microbial toxins as "superantigens". Fleischer B. **Med Microbiol Immunol (Berl)** 1991;180(2):53–8 (39 ref.)

PHARMACOLOGY

Mitogens and hepatocyte growth control in vivo and in vitro [published erratum appears in In Vitro Cell Dev Biol 1990 Dec;26(12):1202] Koch KS, et al. **In Vitro Cell Dev Biol** 1990 Nov;26(11):1011–23 (89 ref.)
Kinetic and molecular species analyses of mitogen-induced increases in diglycerides: evidence for stimulated hydrolysis of phosphoinositides and phosphatidylcholine. Raben DM, et al. **J Cell Biochem** 1990 Oct;44(2):117–25 (23 ref.)

MITOGENS, ENDOGENOUS see **GROWTH SUBSTANCES**

MITOMYCINS

ADVERSE EFFECTS

Systemic allergic contact dermatitis from intravesical instillation of the antitumor antibiotic mitomycin C. de Groot AC, et al. **Contact Dermatitis** 1991 Mar;24(3):201–9 (49 ref.)

PHARMACOLOGY

Mitomycin C. Verweij J, et al. **Cancer Chemother Biol Response Modif** 1990;11:67–73 (38 ref.)
Second generation analogs of etoposide and mitomycin C. Doyle TW, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):127–31 (20 ref.)

MITOSIS

see related
MATURATION-PROMOTING FACTOR

Protein kinase cascades in meiotic and mitotic cell cycle control. Pelech SL, et al. **Biochem Cell Biol** 1990 Dec; 68(12):1297–330 (436 ref.)
Coupling M phase and S phase: controls maintaining the dependence of mitosis on chromosome replication. Enoch T, et al. **Cell** 1991 Jun 14;65(6):921–3 (21 ref.)
Postmitotic nuclear reorganization events analyzed in living cells. Benavente R. **Chromosoma** 1991 May;100(4):215–20 (39 ref.)
Mitotic control. Maller JL. **Curr Opin Cell Biol** 1991 Apr; 3(2):269–75 (40 ref.)
Evolution of amitosis of the ciliate macronucleus: gain of the capacity to divide. Orias E. **J Protozool** 1991 May–Jun; 38(3):217–21 (29 ref.)
p34cdc2: the S and M kinase? Pines J, et al. **New Biol** 1990 May;2(5):389–401 (96 ref.)
Mitosis in the Drosophila embryo—in and out of control. Glover DM. **Trends Genet** 1991 Apr;7(4):125–32 (38 ref.)

DRUG EFFECTS

Bombesin stimulation of mitogenesis. Specific receptors, signal transduction, and early events. Rozengurt E. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S11–5 (51 ref.)
Mitogenesis and the search for new targets for anticancer drug design. Reeve JG. **Tumour Biol** 1991;12(1):1–8 (40 ref.)

PHYSIOLOGY

Mitotic modifications and aberrations in cancer. Therman E, et al. **Crit Rev Oncog** 1989;1(3):293–305 (69 ref.)
Mitosis: towards a molecular understanding of chromosome behavior. Rieder CL. **Curr Opin Cell Biol** 1991 Feb; 3(1):59–66 (50 ref.)
Neuropeptides as cellular growth factors: role of multiple signalling pathways. Rozengurt E. **Eur J Clin Invest** 1991 Apr;21(2):123–34 (105 ref.)
The TPR snap helix: a novel protein repeat motif from mitosis to transcription. Goebl M, et al. **Trends Biochem Sci** 1991 May;16(5):173–7 (25 ref.)

MITOSIS-PROMOTING FACTOR see **MATURATION-PROMOTING FACTOR**

MITOTIC SPINDLE APPARATUS

ULTRASTRUCTURE

Formation of the astral mitotic spindle: ultrastructural basis for the centrosome-kinetochore interaction. Rieder CL. **Electron Microsc Rev** 1990;3(2):269–300 (167 ref.)

MITOXANTRONE

PHARMACOLOGY

Mitoxantrone. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in the chemotherapy of cancer. Faulds D, et al. **Drugs** 1991 Mar;41(3):400–49 (425 ref.)

MITOZANTRONE see **MITOXANTRONE**

MITRAL CLICK-MURMUR SYNDROME see **MITRAL VALVE PROLAPSE**

MITRAL VALVE

Four-year follow-up of a pseudoaneurysm of the mitral-aortic fibrosa. Meyerowitz CB, et al. **Am Heart J** 1991 Aug;122(2):589–92 (11 ref.)
Mechanical failure of a St. Jude Medical prosthesis. Orsinelli DA, et al. **Am J Cardiol** 1991 Apr 15;67(9):906–8 (7 ref.)
Mitral annular calcification: significant and worth acting upon. Aronow WS. **Geriatrics** 1991 Apr;46(4):73–5, 79–80, 85–6 (33 ref.)
[Diagnosis and evaluation of mitral endocarditis complicating obstructive cardiomyopathy using cardiac echo-Doppler] Chapoutot L, et al. **Ann Cardiol Angeiol (Paris)** 1991 Jan; 40(1):33–7 (18 ref.) (Eng. Abstr.) **(Fre)**
[Subacute endocarditis on a prosthetic valve due to Actinobacillus actinomycetemcomitans. A new classic] Deleixhe M, et al. **Rev Med Liege** 1991 Mar;46(3):123–30 (21 ref.) **(Fre)**
[The current diagnostic and treatment aspects of nonrheumatic mitral valvulopathies] Carp C, et al. **Rev Med Interna [Med Interna]** 1990 Jan–Feb;42(1):1–14 (42 ref.) **(Rum)**
[Syndrome of rupture of the mitral valve chordae: etiology, clinical aspects and surgical treatment] Skopin II, et al. **Grud Serdechnososudistaia Khir** 1991 May;(5):58–60 (58 ref.) **(Rus)**

ABNORMALITIES

[Accessory mitral tissue responsible for left ventricular outflow obstruction. Reports of 7 cases] Arnaud-Crozat E, et al. **Arch Mal Coeur** 1990 Sep;83(10):1579–82 (13 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Anatomic basis for and morphologic results from catheter balloon valvuloplasty of stenotic mitral valves. Waller BF, et al. **Clin Cardiol** 1990 Sep;13(9):655–61 (10 ref.)

PHYSIOLOGY

Role of the mitral subvalvular apparatus in left ventricular systolic mechanics. Sarris GE, et al. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):133–43 (63 ref.)

SURGERY

Mitral valve replacement in idiopathic hypereosinophilic syndrome. Boustany CW Jr, et al. **Ann Thorac Surg** 1991 Jun;51(6):1007–9 (14 ref.)
Optimal exposure of the mitral valve through an extended vertical transeptal approach. Alfieri O, et al. **Eur J Cardiothorac Surg** 1991;5(6):294–8; discussion 299 (15 ref.)
Mitral valvuloplasty for rheumatic heart disease. Antunes MJ. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):164–75 (33 ref.)
Surgery for degenerative mitral valve disease. Cosgrove DM. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):183–93 (38 ref.)
Effect of mitral annuloplasty ring in left ventricular function. David TE. **Semin Thorac Cardiovasc Surg** 1989 Oct; 1(2):144–8 (22 ref.)
Long-term results of mitral valve repair. Loop FD. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):203–10 (26 ref.)
[Valvuloplasty or mitral commissurotomy. Is that the question? (editorial)] Cequier A, et al. **Rev Esp Cardiol** 1991 Feb;44(2):71–5 (50 ref.) **(Spa)**

ULTRASONOGRAPHY

Echocardiography in patients undergoing mitral valve surgery. Stewart WJ, et al. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):194–202 (51 ref.)

MITRAL VALVE INSUFFICIENCY

Maladies attributed to myxomatous mitral valve. Chesler E, et al. **Circulation** 1991 Jan;83(1):328–32 (73 ref.)
Aspects of mitral and tricuspid regurgitation. Barlow JB. **J Cardiol Suppl** 1991;25:3–33 (116 ref.)

DIAGNOSIS

[Echocardiography quantification of mitral valve defects] Seifart C. **Z Gesamte Inn Med** 1990 Sep 1;45(17):499–503 (24 ref.) (Eng. Abstr.) **(Ger)**
[Judging the severity of regurgitation in acquired heart defects using color-coded Doppler echocardiography] Forster T, et al. **Orv Hetil** 1991 Aug 4;132(31):1683–8 (27 ref.) (Eng. Abstr.) **(Hun)**
[The current profile of pure and isolated mitral insufficiency. II. The assessment methodology. The therapeutic implications] Arsenescu C. **Rev Med Chir Soc Med Nat Iasi** 1990 Apr–Jun;94(2):265–75 (56 ref.) **(Rum)**

ETIOLOGY

Mitral insufficiency in coronary artery disease. Fishbein MC. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):129–32 (20 ref.)
[Heart valve lesions in rheumatoid polyarthritis. Apropos of 2 cases] Beauvais C, et al. **Rev Rhum Mal Osteoartic** 1991 Jan;58(1):47–51 (21 ref.) **(Fre)**
[The current profile of pure and isolated mitral insufficiency. I. Its etiopathogenesis, etiologic spectrum, clinical forms and hemodynamic characteristics] Arsenescu C. **Rev Med Chir Soc Med Nat Iasi** 1990 Jan–Mar;94(1):27–38 (0 ref.) **(Rum)**
[Ischemic mitral insufficiency: its mechanisms and the therapeutic implications] Gherasim L, et al. **Rev Med Interna [Med Interna]** 1990 Jan–Feb;42(1):15–24 (35 ref.) **(Rum)**

MORTALITY

Long-term results of mitral valve repair. Loop FD. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):203–10 (26 ref.)

PHYSIOPATHOLOGY

Functional mitral regurgitation: physiologic and clinical significance in congestive cardiomyopathy. Keren G. **Isr J Med Sci** 1991 Feb;27(2):105–8 (30 ref.)

SURGERY

Mitral valve repair versus replacement. Yun KL, et al. **Cardiol Clin** 1991 May;9(2):315–27 (77 ref.)

Chronic aortic and mitral regurgitation. Choosing the optimal time for surgical correction. Zile MR. **Cardiol Clin** 1991 May;9(2):239–53 (134 ref.)

The value of echocardiography in mitral valve repair. Stewart WJ, et al. **Cleve Clin J Med** 1991 Mar–Apr; 58(2):177–83 (39 ref.)

Mitral valvuloplasty for rheumatic heart disease. Antunes MJ. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):164–75 (33 ref.)

Effect of mitral annuloplasty ring in left ventricular function. David TE. **Semin Thorac Cardiovasc Surg** 1989 Oct; 1(2):144–8 (22 ref.)

Timing of cardiac surgery in chronic mitral valve disease: implications of natural history studies and left ventricular mechanics. Peterson KL. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):106–17 (62 ref.)

Trends in the surgical treatment of ischemic mitral regurgitation: effects of mitral valve repair on hospital mortality. Rankin JS, et al.
Semin Thorac Cardiovasc Surg 1989 Oct;1(2):149–63 (61 ref.)

[Results of surgery in mitral valve insufficiency with impaired left ventricular function] Delahaye JP, et al.
Arch Mal Coeur Vaiss 1991 Jan;84(1):19–24 (28 ref.) (Eng. Abstr.) **(Fre)**

[Left atrial thrombus in the early postoperative period after mitral valve replacement] Take A, et al.
Nippon Kyobu Geka Gakkai Zasshi 1991 Jul;39(7):1039–48 (46 ref.) (Eng. Abstr.) **(Jpn)**

[Valvulopathies (XVII). When to operate on mitral valvulopathy] Martín Luengo C. **Rev Esp Cardiol** 1991 Apr; 44(4):258–68 (111 ref.) **(Spa)**

ULTRASONOGRAPHY

Echocardiography in patients undergoing mitral valve surgery. Stewart WJ, et al.
Semin Thorac Cardiovasc Surg 1989 Oct;1(2):194–202 (51 ref.)

[Color-coded Doppler in the evaluation of mitral insufficiency. Theoretical assumptions, clinical experience and recent findings] Moro E, et al. **G Ital Cardiol** 1990 Sep;20(9):850–7 (56 ref.) **(Ita)**

MITRAL VALVE PROLAPSE

Maladies attributed to myxomatous mitral valve. Chesler E, et al. **Circulation** 1991 Jan;83(1):328–32 (73 ref.)

Mitral valve prolapse: a review of the syndrome with emphasis on current antibiotic prophylaxis [published erratum appears in J Can Dent Assoc 1991 Jun;57(6):436] Sandor GK, et al. **J Can Dent Assoc** 1991 Apr;57(4):321–5 (24 ref.)

Mitral insufficiency other than rheumatic, ischemic, or infective: emphasis on mitral valve prolapse. Titus JL, et al. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):118–28 (15 ref.)

COMPLICATIONS

Mitral valve prolapse, panic disorder, and chest pain. Alpert MA, et al. **Med Clin North Am** 1991 Sep;75(5):1119–33 (129 ref.)

[Mitral valve prolapse—clinical significance of a frequent diagnosis] Turina J. **Schweiz Med Wochenschr** 1991 May 11;121(19):671–6 (31 ref.) (Eng. Abstr.) **(Ger)**

CONGENITAL

[Transient myocardial ischemia and isolated congenital mitral valve prolapse in an infant] Guthmann JP, et al.
Arch Mal Coeur Vaiss 1991 May;84(5):735–8 (10 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Mitral valve prolapse and the mitral valve prolapse syndrome. Fontana ME, et al. **Curr Probl Cardiol** 1991 May;16(5):309–75 (126 ref.)

Common complaints with cardiac implications in children. Sharkey AM, et al. **Pediatr Clin North Am** 1991 Jun; 38(3):657–66 (17 ref.)

[Echocardiography quantification of mitral valve defects] Seifart C. **Z Gesamte Inn Med** 1990 Sep 1;45(17):499–503 (24 ref.) (Eng. Abstr.) **(Ger)**

[Mitral valve prolapse—a mysterious clinical syndrome] Kornacewicz-Jach Z. **Kardiol Pol** 1990;33(11–2):56–64 (40 ref.) **(Pol)**

ETIOLOGY

[False chordae tendineae in mitral valve prolapse: an association with limited responsibility?] Bolognesi R, et al. **Cardiologia** 1990 Jun;35(6):445–9 (47 ref.) **(Ita)**

PHYSIOPATHOLOGY

[Mitral valve prolapse: toward a consensus. The focal point illustrated with an analysis of a cohort of 110 patients] Jaussi A. **Rev Med Suisse Romande** 1991 Mar;111(3):223–9 (26 ref.) **(Fre)**

SURGERY

Clinical management of the cardiovascular complications of the Marfan syndrome. Gerry JL Jr, et al.
J La State Med Soc 1991 Mar;143(3):43–51 (26 ref.)

Surgery for degenerative mitral valve disease. Cosgrove DM.
Semin Thorac Cardiovasc Surg 1989 Oct;1(2):183–93 (38 ref.)

THERAPY

Mitral leaflet billowing and prolapse. Implications for management. Barlow JB, et al. **Cardiovasc Drugs Ther** 1988 Jan;1(5):543–7 (30 ref.)

MITRAL VALVE STENOSIS

COMPLICATIONS

[Livedo reticularis, cerebrovascular disorders and mitral disease: a new cause of Sneddon's syndrome?] Vaillant L, et al. **Ann Dermatol Venereol** 1990;117(12):925–30 (23 ref.) (Eng. Abstr.) **(Fre)**

[Debatable questions in the pathogenesis of pulmonary hypertension in mitral defects (a review of the literature)] Konopleva LF, et al. **Vrach Delo** 1990 Oct;(10):30–3 (36 ref.) **(Rus)**

DIAGNOSIS

[Echocardiography quantification of mitral valve defects] Seifart C. **Z Gesamte Inn Med** 1990 Sep 1;45(17):499–503 (24 ref.) (Eng. Abstr.) **(Ger)**

MORTALITY

Long-term results of mitral valve repair. Loop FD.
Semin Thorac Cardiovasc Surg 1989 Oct;1(2):203–10 (26 ref.)

SURGERY

Mechanical failure of a St. Jude Medical prosthesis. Orsinelli DA, et al. **Am J Cardiol** 1991 Apr 15;67(9):906–8 (7 ref.)

Timing of surgery in mitral and aortic stenosis. Carabello BA. **Cardiol Clin** 1991 May;9(2):229–38 (65 ref.)

Mitral valve repair versus replacement. Yun KL, et al.
Cardiol Clin 1991 May;9(2):315–27 (77 ref.)

Mitral valvuloplasty for rheumatic heart disease. Antunes MJ. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):164–75 (33 ref.)

Timing of cardiac surgery in chronic mitral valve disease: implications of natural history studies and left ventricular mechanics. Peterson KL. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):106–17 (62 ref.)

[Left atrial thrombus in the early postoperative period after mitral valve replacement] Take A, et al.
Nippon Kyobu Geka Gakkai Zasshi 1991 Jul;39(7):1039–48 (46 ref.) (Eng. Abstr.) **(Jpn)**

[Etiology and pathogenesis of mitral restenosis] Cherkasov IIu, et al. **Revmatologiia (Mosk)** 1990 Oct–Dec;(4):50–4 (30 ref.) **(Rus)**

[Valvulopathies (XVII). When to operate on mitral valvulopathy] Martín Luengo C. **Rev Esp Cardiol** 1991 Apr; 44(4):258–68 (111 ref.) **(Spa)**

THERAPY

Fatal left ventricular perforation following balloon mitral valvuloplasty. Butany J, et al. **Can J Cardiol** 1990 Oct; 6(8):343–7 (22 ref.)

Percutaneous mitral balloon valvotomy. Block PC, et al.
Cardiol Clin 1991 May;9(2):271–87 (80 ref.)

Anatomic basis for and morphologic results from catheter balloon valvuloplasty of stenotic mitral valves. Waller BF, et al. **Clin Cardiol** 1990 Sep;13(9):655–61 (10 ref.)

Mitral valvuloplasty revisited. Moore M, et al.
Radiogr Today 1990 Sep;56(640):20–3 (4 ref.)

[Current state of interventional measures in cardiology] Klein W, et al. **Wien Med Wochenschr** 1991;141(3):41–3 (24 ref.) (Eng. Abstr.) **(Ger)**

[The role of surgery and percutaneous valvuloplasty in conservative treatment of post-rheumatic mitral stenosis] Zingone B, et al. **G Ital Cardiol** 1990 Jun;20(6):576–82 (81 ref.) **(Ita)**

[Valvuloplasty or mitral commissurotomy. Is that the question? (editorial)] Cequier A, et al. **Rev Esp Cardiol** 1991 Feb;44(2):71–5 (50 ref.) **(Spa)**

ULTRASONOGRAPHY

Echocardiography in patients undergoing mitral valve surgery. Stewart WJ, et al.
Semin Thorac Cardiovasc Surg 1989 Oct;1(2):194–202 (51 ref.)

[Usefulness of echocardiography in the diagnosis of the causes of arterial embolism] Drążkiewicz T, et al.
Pol Tyg Lek 1990 Nov 5–12;45(45–46):934–5 (13 ref.) **(Pol)**

MIXED CONNECTIVE TISSUE DISEASE

Overlap syndromes, mixed connective tissue disease, and eosinophilic fasciitis. Maddison PJ.
Curr Opin Rheumatol 1989 Dec;1(4):523–8 (10 ref.)

DIAGNOSIS

[Pregnancy in mixed connective tissue disease] Bodolay E, et al. **Orv Hetil** 1991 Mar 24;132(12):619–22 (32 ref.) (Eng. Abstr.) **(Hun)**

MIXED FUNCTION OXIDASES

METABOLISM

The involvement of free radicals in the mechanisms of monooxygenases. White RE. **Pharmacol Ther** 1991; 49(1–2):21–42 (121 ref.)

[Comparison of the activities of the hepatic and renal mixed function oxidase (MFO) systems in rats during different postnatal periods of life] Czekaj P, et al.
Folia Med Cracov 1990;31(3):225–36 (30 ref.) (Eng. Abstr.) **(Pol)**

[Systemic localization of mixed function oxidases] Kamiński M. **Folia Med Cracov** 1990;31(3):97–120 (83 ref.) (Eng. Abstr.) **(Pol)**

[Circadian and seasonal rhythms of the hepatic microsomal mixed function oxidase system in 60- and 100-day-old rats] Krzyżak G, et al. **Folia Med Cracov** 1990;31(3):237–50 (32 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Cytochrome P-450 monooxygenases and interactions of psychotropic drugs. Shen WW, et al.
Int J Psychiatry Med 1991;21(1):47–56 (52 ref.)

MIXED FUNCTION OXYGENASES see **MIXED FUNCTION OXIDASES**

MIXED GONADAL DYSGENESIS see **GONADAL DYSGENESIS, MIXED**

MIXED SALIVARY GLAND TUMOR

GENETICS

Familial occurrence of pleomorphic adenoma of the parotid gland. Hayter JP, et al. **Br J Oral Maxillofac Surg** 1990 Oct;28(5):333–4 (15 ref.)

PATHOLOGY

Simultaneous occurrence of bilateral Warthin's tumors and pleomorphic adenoma in the parotid glands. Toida M, et al. **J Oral Maxillofac Surg** 1990 Oct;48(10):1109–13 (31 ref.)

Pleomorphic adenoma of cervical heterotopic salivary gland tissue: case report and review of neoplasms arising in cervical heterotopic salivary gland tissue. Rodgers GK, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):533–6 (13 ref.)

[Tumors of the submaxillary gland] Hamoir M, et al.
Ann Otolaryngol Chir Cervicofac 1991;108(1):26–9 (13 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Pleomorphic adenomas: apropos of a submaxillary location] Magremanne M, et al. **Acta Stomatol Belg** 1990 Jun; 87(2):133–9 (18 ref.) **(Fre)**

SECONDARY

Implantation of parotid pleomorphic adenoma in the upper neck. Ferlito A, et al.
ORL J Otorhinolaryngol Relat Spec 1991;53(3):165–76 (157 ref.)

SURGERY

Management of the parotid pleomorphic adenoma, the problem of exposing tumour tissue at operation. The logical pursuit of treatment policies. Touquet R, et al.
Br J Oral Maxillofac Surg 1990 Dec;28(6):404–8 (29 ref.)

MIYAGAWANELLA see **CHLAMYDIA**

MIYAGAWANELLA INFECTIONS see **CHLAMYDIA INFECTIONS**

MK-421 see **ENALAPRIL**

MMPI

Assessment of borderline personality disorder. A review of MMPI and Rorschach findings. Zalewski C, et al.
J Nerv Ment Dis 1991 Jun;179(6):338–45 (68 ref.)

STATISTICS & NUMERICAL DATA

When does a difference make a difference? MMPI scores and African-Americans. Dana RH, et al.
J Clin Psychol 1991 May;47(3):400–6 (70 ref.)

MN SIALOGLYCOPROTEIN see **GLYCOPHORIN**

MNSS BLOOD-GROUP SYSTEM

IMMUNOLOGY

MNSs and Gerbich blood group systems. Moulds JJ, et al.
Immunol Ser 1989;43:713–41 (154 ref.)

MO1 ANTIGEN see **MACROPHAGE-1 ANTIGEN**

MOBILE EMERGENCY UNITS see AMBULANCES

MOBILE GENETIC ELEMENTS see DNA INSERTION ELEMENTS

MOBILE HEALTH UNITS

ORGANIZATION & ADMINISTRATION

[The principles of the formation and operation of mobile medical detachments and brigades] Teriaev VG, et al. **Voen Med Zh** 1991 Jan;(1):73-5 (9 ref.) **(Rus)**

MODELS, ANATOMIC

Principles and applications of Computer-Aided Design and Computer-Aided Manufacturing (CAD/CAM) technology in orthopaedics. Goh JC, et al. **Ann Acad Med Singapore** 1990 Sep;19(5):706-13 (25 ref.)

[Standardized in vitro models for the characterization of shockwaves] Brümmer F, et al. **Biomed Tech (Berlin)** 1990; 35 Suppl 3:237-8 (21 ref.) **(Ger)**

MODELS, BIOLOGICAL

see related
DISEASE MODELS, ANIMAL

On the use of mathematical models of malaria transmission. Koella JC. **Acta Trop (Basel)** 1991 Apr;49(1):1-25 (47 ref.)

Protein motors and Maxwell's demons: does mechanochemical transduction involve a thermal ratchet? Vale RD, et al. **Adv Biophys** 1990;26:97-134 (63 ref.)

Analysis of cancer incidence data on the basis of multistage and clonal growth models. Stein WD. **Adv Cancer Res** 1991; 56:161-213 (71 ref.)

Interaction of dietary fiber with lipids--mechanistic theories and their limitations. Furda I. **Adv Exp Med Biol** 1990; 270:67-82 (53 ref.)

A paradigm for aldehyde oxidation: histidinol dehydrogenase. Grubmeyer C. **Adv Exp Med Biol** 1991; 284:105-12 (33 ref.)

The multi-level compartmentation of the simulation models of the counter-current heat exchange (CCHE) mechanism of the testis. Tritto G. **Adv Exp Med Biol** 1991;286:137-51 (16 ref.)

Experimental support for the theory of diffusion limitation of maximum oxygen uptake. Wagner PD, et al. **Adv Exp Med Biol** 1990;277:825-33 (15 ref.)

Experimental basis of multi-infarct dementia: memory impairments in rodent models of ischemia. Naritomi H. **Alzheimer Dis Assoc Disord** 1991 Summer;5(2):103-11 (28 ref.)

A reappraisal of the coelomic metaplasia theory by reviewing endometriosis occurring in unusual sites and instances. Suginami H. **Am J Obstet Gynecol** 1991 Jul;165(1):214-8 (11 ref.)

Computer model for mechanisms underlying ultradian oscillations of insulin and glucose. Sturis J, et al. **Am J Physiol** 1991 May;260(5 Pt 1):E801-9 (38 ref.)

The identification of nonlinear biological systems: Wiener kernel approaches. Korenberg MJ, et al. **Ann Biomed Eng** 1990;18(6):629-54 (87 ref.)

Regulation of cell proliferation: the negative control perspective. Soto AM, et al. **Ann N Y Acad Sci** 1991; 628:412-8 (38 ref.)

Application of toxicokinetic models to establish biological exposure indicators. Fiserova-Bergerova V. **Ann Occup Hyg** 1990 Dec;34(6):639-51 (48 ref.)

Pharmacokinetic-pharmacogenetic modelling in the detection of polymorphisms in xenobiotic metabolism. Jackson PR, et al. **Ann Occup Hyg** 1990 Dec;34(6):653-62 (13 ref.)

Model systems for the study of seven-transmembrane-segment receptors. Dohlman HG, et al. **Annu Rev Biochem** 1991;60:653-88 (258 ref.)

Biologically based pharmacodynamic models: tools for toxicological research and risk assessment. Conolly RB, et al. **Annu Rev Pharmacol Toxicol** 1991;31:503-23 (52 ref.)

Autoimmunity: attack, or defence? (The case for a primary lesion theory). Wilkin T. **Autoimmunity** 1989;3(1):57-73 (94 ref.)

The reversible cross-linking of receptors by ligands: theory for the prediction of binding responses. Mark AE, et al. **Biochem Int** 1990 Nov;22(4):685-97 (23 ref.)

The dynamics of actin and myosin association and the crossbridge model of muscle contraction. Geeves MA. **Biochem J** 1991 Feb 15;274 (Pt 1):1-14 (131 ref.)

The role of G proteins in transmembrane signalling. Taylor CW. **Biochem J** 1990 Nov 15;272(1):1-13 (165 ref.)

Inositol 1,3,4,5-tetrakisphosphate and regulation of intracellular calcium. Boynton AL, et al. **Biochem Pharmacol** 1990 Nov 1;40(9):1933-9 (14 ref.)

The asialoglycoprotein receptor: a model for endocytic transport receptors. Spiess M. **Biochemistry** 1990 Oct 30; 29(43):1009-18 (127 ref.)

A model for development and evolution of complex morphological structures. Atchley WR, et al. **Biol Rev Camb Philos Soc** 1991 May;66(2):101-57 (172 ref.)

Quantum mechanics and cellular information processing: the self-assembly paradigm. Conrad M. **Biomed Biochim Acta** 1990;49(8-9):743-55 (16 ref.)

Graph-theoretic approach to metabolic pathways. Goldstein BN, et al. **Biomed Biochim Acta** 1990;49(8-9):645-50 (16 ref.)

Applications of integrated cell models: novel predictions on the behaviour of red cells and reticulocytes. Lew VL, et al. **Biomed Biochim Acta** 1990;49(8-9):737-41 (23 ref.)

A first course in computer-aided physiological modeling. Rideout VC. **Biomed Sci Instrum** 1991;27:89-91 (17 ref.)

Models in the biological sciences. Byford GH. **Boll Soc Ital Biol Sper** 1991 Jan;67(1):1-15 (6 ref.)

Fracture prediction models for osteoporosis prevention. Ross PD, et al. **Bone** 1990;11(5):327-31 (33 ref.)

A model of osteon closure in cortical bone. Polig E, et al. **Calcif Tissue Int** 1990 Nov;47(5):261-9 (27 ref.)

A model for narcolepsy. Mamelak M. **Can J Psychol** 1991 Jun;45(2):194-220 (189 ref.)

Activation of programmed cell death by anticancer agents: cisplatin as a model system. Eastman A. **Cancer Cells** 1990 Aug-Sep;2(8-9):275-80 (30 ref.)

Renal proximal tubular cells in suspension or in primary culture as in vitro models to study nephrotoxicity. Boogaard PJ, et al. **Chem Biol Interact** 1990;76(3):251-91 (261 ref.)

Finite element analysis of bioelectric phenomena. Miller CE, et al. **Crit Rev Biomed Eng** 1990;18(3):207-33 (73 ref.)

Models and analysis of compound nerve action potentials. Schoonhoven R, et al. **Crit Rev Biomed Eng** 1991; 19(1):47-111 (202 ref.)

Quantitative aspects of autocrine regulation in tumors. Bajzer Z, et al. **Crit Rev Oncog** 1990;2(1):53-73 (92 ref.)

The rat as a drug residue bioavailability model. Gallo-Torres HE. **Drug Metab Rev** 1990;22(6-8):707-51 (56 ref.)

Potential use of isolated organ or tissue preparations in the assessment of biological activities of bound residues. Yong MS. **Drug Metab Rev** 1990;22(6-8):753-63 (16 ref.)

Mechanisms of general anesthesia. Franks NP, et al. **Environ Health Perspect** 1990 Jul;87:199-205 (35 ref.)

Cancer models and cancer genetics [see comments] Weiss KM. **Epidemiology** 1990 Nov;1(6):486-90 (48 ref.) Comment in: Epidemiology 1990 Nov;1(6):419-20.

Two-compartment modelling of respiratory system mechanics at low frequencies: gas redistribution or tissue rheology? Similowski T, et al. **Eur Respir J** 1991 Mar; 4(3):353-8 (33 ref.)

Role of set-point theory in regulation of body weight [see comments] Harris RB. **FASEB J** 1990 Dec;4(15):3310-8 (66 ref.) Comment in: FASEB J 1991 Apr;5(7):2105-6.

The place of simultaneous pharmacokinetic pharmacodynamic modeling in new drug development: trends and perspectives. Girard P, et al. **Fundam Clin Pharmacol** 1990;4 Suppl 2:103s-115s (42 ref.)

Principles of laser light-scattering spectroscopy: applications to the physicochemical study of model and native biles. Cohen DE, et al. **Hepatology** 1990 Sep;12(3 Pt 2):113S-121S; discussion 121S-122S (25 ref.)

Detection of vesicles in native and model biles by morphological and other structural techniques: applications and limitations. Holzbach RT. **Hepatology** 1990 Sep;12(3 Pt 2):106S-112S (30 ref.)

The role of the transcapillary insulin transport in the efficiency of insulin action: studies with glucose clamps and the minimal model. Bergman RN, et al. **Horm Metab Res Suppl** 1990;24:49-56 (34 ref.)

Modeling glucose metabolism in man: theory and practice. Cobelli C, et al. **Horm Metab Res Suppl** 1990;24:1-10 (39 ref.)

Tracer studies of in vivo insulin action and glucose metabolism in individual peripheral tissues. Kraegen EW, et al. **Horm Metab Res Suppl** 1990;24:41-8 (52 ref.)

Tracer studies of liver metabolism. Radziuk J. **Horm Metab Res Suppl** 1990;24:31-40 (44 ref.)

Application of structural model of glucose-insulin relations to assess beta-cell function and insulin sensitivity. Turner RC, et al. **Horm Metab Res Suppl** 1990;24:66-71 (9 ref.)

Mouse skin tumours and human lung cancer: relationships with complex environmental emissions. Nesnow S. **IARC Sci Publ** 1990;(104):44-54 (41 ref.)

Biologically based models for risk assessment. Portier CJ, et al. **IARC Sci Publ** 1990;(104):20-8 (23 ref.)

Approaches to risk assessment of automotive engine exhausts. Törnqvist M, et al. **IARC Sci Publ** 1990;(104):277-87 (43 ref.)

Genetic activity profiles--application in assessing potential carcinogenicity of complex environmental mixtures. Waters MD, et al. **IARC Sci Publ** 1990;(104):75-88 (23 ref.)

Physiological interpretations based on lumped element models fit to respiratory impedance data: use of forward-inverse modeling. Lutchen KR, et al. **IEEE Trans Biomed Eng** 1990 Nov;37(11):1076-86 (26 ref.)

Helminths, immunology and equations. Schweitzer N, et al. **Immunol Today** 1991 Mar;12(3):A76-81 (32 ref.)

Teratocarcinoma stem cells as a model for differentiation in the mouse embryo. Lehtonen E, et al. **Int J Dev Biol** 1989 Mar;33(1):105-15 (86 ref.)

On the contribution of mathematical models to the understanding of neurotransmitter release. Parnas H, et al. **Int Rev Neurobiol** 1990;32:1-50 (166 ref.)

Fractals. Physiologic complexity, scaling, and opportunities for imaging. Nelson TR. **Invest Radiol** 1990 Oct; 25(10):1140-8 (44 ref.)

Analytical diffusion models for membrane channels. Gates PY, et al. **Ion Channels** 1990;2:223-81 (43 ref.)

Evaluation of animal models for the study of exercise-induced muscle enlargement. Timson BF. **J Appl Physiol** 1990 Dec;69(6):1935-45 (117 ref.)

Physical chemical description of bacterial adhesion. van Loosdrecht MC, et al. **J Biomater Appl** 1990 Oct; 5(2):91-106 (77 ref.)

Mechanisms relating force and high-frequency stiffness in skeletal muscle. Bobet J, et al. **J Biomech** 1990;23 Suppl 1:13-21 (25 ref.)

Intermediate filaments may prevent buckling of compressively loaded microtubules. Brodland GW, et al. **J Biomech Eng** 1990 Aug;112(3):319-21 (31 ref.)

Passive deformations and active motions of leukocytes. Skalak R, et al. **J Biomech Eng** 1990 Aug;112(3):295-302 (60 ref.)

Experimental models for psoriasis. Krueger GG, et al. **J Invest Dermatol** 1990 Nov;95(5):56S-58S (10 ref.)

Retinal melatonin and dopamine in seasonal affective disorder. Oren DA. **J Neural Transm Gen Sect** 1991; 83(1-2):85-95 (69 ref.)

Diffusion and kinetic approaches to describe permeation in ionic channels. Dani JA, et al. **J Theor Biol** 1990 Oct 7; 146(3):289-301 (58 ref.)

Models of wound healing. Cohen IK, et al. **J Trauma** 1990 Dec;30(12 Suppl):S149-55 (40 ref.)

Methods of investigating intestinal transport. Acra SA, et al. **JPEN J Parenter Enteral Nutr** 1991 May-Jun; 15(3):93S-98S (66 ref.)

Leucine metabolism in man: lessons from modeling. Matthews DE, et al. **JPEN J Parenter Enteral Nutr** 1991 May-Jun;15(3):86S-89S (20 ref.)

The role of reactive oxygen metabolites in the pathogenesis of ulcerative colitis: a speculative synthesis. Rózga J. **Mater Med Pol** 1989 Oct-Dec;21(4):263-8 (96 ref.)

A novel hypothesis concerning the mechanisms of activation, and of control, of periodontal bone loss. Creamer HR. **Med Hypotheses** 1991 Jun;35(2):115-21 (51 ref.)

Fat oxidation and diabetes of obesity: the Randle hypothesis revisited. Elks ML. **Med Hypotheses** 1990 Dec;33(4):257-60 (32 ref.)

On the coagulation of the blood: an elaboration of Lord Lister's hypothesis and the four-factor model of Morawitz. Gray CR. **Med Hypotheses** 1990 Sep;33(1):63-8 (11 ref.)

Is Gompertzian or exponential kinetics a valid description of individual human cancer growth? Retsky MW, et al. **Med Hypotheses** 1990 Oct;33(2):95-106 (22 ref.)

Aquatic ape theory and fossil hominids. Verhaegen MJ. **Med Hypotheses** 1991 Jun;35(2):108-14 (90 ref.)

Saccharomyces cerevisiae as a model eukaryote for studies on mitochondriogenesis. Trivedi A, et al. **Microbiol Sci** 1985 Jan;2(1):10-3 (19 ref.)

Novel growth systems. Wimpenny JW. **Microbiol Sci** 1985; 2(2):53-60 (54 ref.)

T cell recognition of stress proteins. A link between infectious and autoimmune disease. Lamb JR, et al. **Mol Biol Med** 1990 Aug;7(4):311-21 (69 ref.)

A model for asymmetric septum formation during sporulation in Bacillus subtilis. Errington J. **Mol Microbiol** 1991 Apr; 5(4):785-9 (55 ref.)

Animal-to-human extrapolation using compartmental models. Medina RL, et al. **Neurosci Biobehav Rev** 1991 Spring;15(1):57-61 (11 ref.)

Some animal models and their probability of extrapolation to man. Wolthuis OL. **Neurosci Biobehav Rev** 1991 Spring; 15(1):25-34 (71 ref.)

Signal transduction in bacteria: kinases that control gene expression. Igo MM, et al. **New Biol** 1990 Jan;2(1):5-9 (33 ref.)

Animal models of drug self-administration by smoking. Wood RW. **NIDA Res Monogr** 1990;99:159-71 (48 ref.)

Body composition in humans: advances in the development of multicompartment chemical models. Heymsfield SB, et al. **Nutr Rev** 1991 Apr;49(4):97-108 (45 ref.)

Stereoselectivity in pharmacokinetics: a general theory. Levy RH, et al. **Pharm Res** 1991 May;8(5):551-6 (25 ref.)

A process-oriented model of human motor behavior: toward a theory-based rehabilitation approach. Mulder T. **Phys Ther** 1991 Feb;71(2):157-64 (87 ref.)

The geometry of the knee in the sagittal plane. O'Connor JJ, et al. **Proc Inst Mech Eng [H]** 1989;203(4):223-33 (40 ref.)

The biophysics of peptide models of ion channels. Sansom MS. **Prog Biophys Mol Biol** 1991;55(3):139-235 (299 ref.)

A systems approach to aging, Alzheimer's disease, and spinal cord regeneration. Roberts E. **Prog Brain Res** 1990; 86:339-55 (111 ref.)

Glucocorticoids, hippocampal damage and the glutamatergic synapse. Sapolsky RM. **Prog Brain Res** 1990;86:13-23 (81 ref.)

Application of a visual model to vascular segmentation. Besson GM. **Prog Clin Biol Res** 1991;363:389-98 (17 ref.)

Estimation of fractal dimension of parenchymal organs based on power spectral analysis of nuclear medicine scans. Cargill EB, et al. **Prog Clin Biol Res** 1991;363:557-70 (16 ref.)

Limitations of in vitro models of ischemia. Choi DW. **Prog Clin Biol Res** 1990;361:291-9 (14 ref.)

Dermal uptake of organic chemicals from a soil matrix. McKone TE. **Risk Anal** 1990 Sep;10(3):407-19 (32 ref.)

Successes and failures of the Albers-Post model in predicting ion flux kinetics. Sachs JR. **Soc Gen Physiol Ser** 1991; 46:249-66 (56 ref.)

The Armitage-Doll multistage model of carcinogenesis. Day

NE. **Stat Med** 1990 Jun;9(6):677–9 (11 ref.)
The exponential–Gompertzian tumor growth model: data from six tumor cell lines in vitro and in vivo. Estimate of the transition point from exponential to Gompertzian growth and potential clinical implications. Demicheli R, et al. **Tumori** 1991 Jun 30;77(3):189–95 (37 ref.)
Physiological pharmacokinetic modelling. Balant LP, et al. **Xenobiotica** 1990 Nov;20(11):1241–57 (28 ref.)
[Animal models in reproductive research] Hahn D. **Nippon Sanka Fujinka Gakkai Zasshi** 1990 Aug; 42(8):879–82 (10 ref.) (Eng. Abstr.) **(Jpn)**
[Stimulation of microsomal lipid peroxidation as the effect of combined action of xylene and ethanol] Jajte J, et al. **Folia Med Cracov** 1990;31(3):193–9 (18 ref.) (Eng. Abstr.) **(Pol)**
[Benzodiazepines as cytochrome P-450 and cytochrome b5 inductors in rat liver microsomes] Pachecka J, et al. **Folia Med Cracov** 1990;31(3):209–15 (13 ref.) (Eng. Abstr.) **(Pol)**
[Structure and effects of benzodiazepines on hepatic microsomal monooxygenases in rats exposed to environmental temperature] Pachecka J, et al. **Folia Med Cracov** 1990;31(3):217–24 (8 ref.) (Eng. Abstr.) **(Pol)**
[Evaluation of the inducing action of aroclor 1254 in rats in long-term experiment] Piekoszewski W, et al. **Folia Med Cracov** 1990;31(3):201–7 (21 ref.) (Eng. Abstr.) **(Pol)**
[Diurnal rhythm of phenacetin and antipyrine elimination in rats] Starek A, et al. **Folia Med Cracov** 1990;31(3):251–8 (18 ref.) (Eng. Abstr.) **(Pol)**
[Induction of cytochrome P-450 monooxygenase after combined exposure of rats to xylene and ethanol] Wiśniewska-Knypl JM, et al. **Folia Med Cracov** 1990; 31(3):185–92 (12 ref.) (Eng. Abstr.) **(Pol)**
[A proposed model of the treatment of diabetes mellitus in pregnancy] Strojek K, et al. **Pol Tyg Lek** 1990 Mar 10–26; 45(12–13):261–3 (16 ref.) (Eng. Abstr.) **(Pol)**

MODELS, CARDIOVASCULAR

Long-term arterial pressure control: an analysis from animal experiments and computer and graphic models. Guyton AC. **Am J Physiol** 1990 Nov;259(5 Pt 2):R865–77 (35 ref.)
The effect of flow and mass transport in thrombogenesis. Basmadjian D. **Ann Biomed Eng** 1990;18(6):685–709 (36 ref.)
Improving survival from sudden cardiac arrest: the "chain of survival" concept. A statement for health professionals from the Advanced Cardiac Life Support Subcommittee and the Emergency Cardiac Care Committee, American Heart Association. Cummins RO, et al. **Circulation** 1991 May;83(5):1832–47 (170 ref.)
Parsimonious systems description for predictive modeling in cardiovascular medicine. Attinger EO, et al. **Crit Rev Biomed Eng** 1991;18(6):369–86 (156 ref.)
The hamster cheek pouch as a model in microcirculation research. Svensjö E. **Eur Respir J Suppl** 1990 Dec; 12:595s–600s; discussion 600s–601s (26 ref.)
Doxorubicin cardiotoxicity: analysis of prevailing hypotheses. Olson RD, et al. **FASEB J** 1990 Oct; 4(13):3076–86 (50 ref.)
A model for the interplay of inflammatory mediators in sepsis—a study in 48 patients. Hack CE, et al. **Intensive Care Med** 1990;16 Suppl 3:S187–91 (39 ref.)
A review of the numerical analysis of blood flow in arterial bifurcations. Xu XY, et al. **Proc Inst Mech Eng [H]** 1990; 204(4):205–16 (72 ref.)
Use of embryonic heart grafted in oculo to assess neurohumoral controls of cardiac development. Tucker DC, et al. **Toxicol Pathol** 1990;18(4 Pt 1):531–40 (41 ref.)
[Theory of microcirculation. 2. Problems of microcirculation from the viewpoint of the new theoretical concept] Petrow JM. **Z Gesamte Inn Med** 1990 Sep 15;45(18):535–40 (24 ref.) (Eng. Abstr.) **(Ger)**
[Theory of microcirculation. 1: Misinterpretations in Starling's hypothesis of microcirculation] Petrow JM. **Z Gesamte Inn Med** 1990 Sep 15;45(18):531–5 (24 ref.) **(Ger)**
[Problems of cerebral stroke in the light of various mathematical models] Kanareĭkin KF, et al. **Klin Med (Mosk)** 1990 Sep;68(9):7–10 (12 ref.) **(Rus)**

MODELS, CHEMICAL

Computer-assisted series design in chemical synthesis of bioactive compounds. Mager PP. **Med Res Rev** 1991 Jul; 11(4):375–402 (17 ref.)
Mutagens from model systems. Jägerstad M, et al. **Prog Clin Biol Res** 1990;347:71–88 (49 ref.)
[Stereochemistry and synthesis of polyene macrolide antibiotics] Shenin IuD. **Antibiot Khimioter** 1991 Feb; 36(2):48–51 (69 ref.) **(Rus)**

MODELS, COMPUTER see **COMPUTER SIMULATION**

MODELS, GENETIC

Localizing the genes for ataxia-telangiectasia: a human model for inherited cancer susceptibility. Gatti RA. **Adv Cancer Res** 1991;56:77–104 (135 ref.)
Alternative splicing is an efficient mechanism for the generation of protein diversity: contractile protein genes as a model system. Nadal-Ginard B, et al. **Adv Enzyme Regul** 1991;31:261–86 (88 ref.)
Possible erasure of the imprint on a fragile X chromosome when transmitted by a male. Laird CD. **Am J Med Genet** 1991 Feb–Mar;38(2–3):391–5 (25 ref.)
Misalignment-mediated DNA synthesis errors. Kunkel TA. **Biochemistry** 1990 Sep 4;29(35):8003–11 (66 ref.)
Fragile X-linked mental retardation and the difficulties of reverse genetics. Jordan BR. **Bioessays** 1991 May; 13(5):243–51 (38 ref.)
The 'A rule' of mutagen specificity: a consequence of DNA polymerase bypass of non-instructional lesions? Strauss BS. **Bioessays** 1991 Feb;13(2):79–84 (59 ref.)
Fisher's contributions to genetics and heredity, with special emphasis on the Gregor Mendel controversy. Piegorsch WW. **Biometrics** 1990 Dec;46(4):915–24 (59 ref.)
MMTV as a model for gene expression in mammary tissue. Hager GL. **Cancer Treat Res** 1988;40:267–81 (38 ref.)
Conjugational recombination in E. coli: myths and mechanisms. Smith GR. **Cell** 1991 Jan 11;64(1):19–27 (63 ref.)
Molecular genetic considerations in osteosarcoma. Hansen MF. **Clin Orthop** 1991 Sep;(270):237–46 (53 ref.)
Genomic imprinting and allelic exclusion. Holliday R. **Dev Suppl** 1990;:125–9 (31 ref.)
The genetic epidemiology of schizophrenia and the design of linkage studies. McGue M, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;240(3):174–81 (46 ref.)
Impact of the Douglas–Hawthorne model as a paradigm for elucidating cellular regulatory mechanisms in fungi. Oshima Y. **Genetics** 1991 Jun;128(2):195–201 (46 ref.)
Haldane's solution of the Luria–Delbrück distribution. Sarkar S. **Genetics** 1991 Feb;127(2):257–61 (15 ref.)
On the evolution of genetic incompatibility systems. VI. A three-locus modifier model for the origin of gametophytic self-incompatibility. Uyenoyama MK. **Genetics** 1991 Jun; 128(2):453–69 (63 ref.)
Genetics of responses to drugs of abuse. Shuster L. **Int J Addict** 1990–91;25(1A):57–79 (110 ref.)
How mobile are active RNA polymerases? Cook PR. **J Cell Sci** 1990 Jun;96 (Pt 2):189–92 (25 ref.)
Interpreting nucleolar structure: where are the transcribing genes? Jordan EG. **J Cell Sci** 1991 Apr;98 (Pt 4):437–42 (59 ref.)
Inherited mouse mutations as models of human adnexal, cornification, and papulosquamous dermatoses. Sundberg JP, et al. **J Invest Dermatol** 1990 Nov;95(5):62S–63S (15 ref.)
Synergistic activation of eukaryotic transcription: the multiacceptor target hypothesis. Herbomel P. **New Biol** 1990 Dec;2(12):1063–70 (70 ref.)
Beswitched. The looping out model for immunoglobulin class switching. von Schwedler U, et al. **New Biol** 1990 Aug; 2(8):657–62 (32 ref.)
Down syndrome and the trisomy 16 mouse: impact of gene imbalance on brain development and aging. Coyle JT, et al. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:85–99 (73 ref.)
Formal genetics in humans: mendelian and nonmendelian inheritance. Pyeritz RE. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:47–73 (53 ref.)
Proposed genetic basis of Huntington's disease. Laird CD. **Trends Genet** 1990 Aug;6(8):242–7 (41 ref.)
[Oncogene research using Drosophila as a model system] Nishida Y. **Idengaku Zasshi** 1990 Jun;65(3):121–34 (4 ref.) **(Jpn)**

MODELS, LINEAR see **LINEAR MODELS**

MODELS, MOLECULAR

Molecular modelling of integral membrane proteins. Findlay JB, et al. **Biochem Soc Trans** 1990 Oct;18(5):838–40 (26 ref.)
Molecular modelling strategies in application to complement. Perkins SJ, et al. **Biochem Soc Trans** 1990 Dec;18(6):1151–4 (18 ref.)
Protein structure prediction. Garnier J. **Biochimie** 1990 Aug; 72(8):513–24 (71 ref.)
The protein structure code: what is its present status? Garnier J, et al. **Comput Appl Biosci** 1991 Apr;7(2):133–42 (67 ref.)
Comparative modeling of proteins in the design of novel renin inhibitors. Hutchins C, et al. **Crit Rev Biochem Mol Biol** 1991;26(1):77–127 (115 ref.)
Construction of three-dimensional stick figures from branched DNA. Seeman NC. **DNA Cell Biol** 1991 Sep; 10(7):475–86 (63 ref.)
Fluctuating bond model of DNA gel electrophoresis. Schönherr G, et al. **Electrophoresis** 1991 Jun;12(6):432–5 (25 ref.)
Quantitative structure-activity relationships (QSAR) and molecular modelling in cancer research [editorial] Kubinyi H. **J Cancer Res Clin Oncol** 1990;116(6):529–37 (83 ref.)
Structure and function of channels and channelogs as studied by computational chemistry. Eisenman G, et al. **J Membr Biol** 1991 Jan;119(2):109–32 (102 ref.)
MULTI: a shared memory approach to cooperative molecular modeling. Darden T, et al. **J Mol Graph** 1991 Mar;9(1):18–23, 35 (11 ref.)
An affordable approach to interactive desktop molecular modeling. Ferrin TE, et al. **J Mol Graph** 1991 Mar; 9(1):27–32, 37–8 (26 ref.)
Electrostatic complementarity in molecular associations. Náray-Szabó G. **J Mol Graph** 1989 Jun;7(2):76–81, 98 (34 ref.)
Applications of interactive computer graphics in analyses of biomolecular structures. Barlow DJ, et al. **Nat Prod Rep** 1990 Aug;7(4):311–26 (210 ref.)
Molecular graphics applied to 5-HT3 ligands. Peroutka SJ. **Neuropeptides** 1991 Jul;19 Suppl:21–3 (5 ref.)
Structures and models of native serpins. Bock SC. **Protein Eng** 1990 Dec;4(2):107–8 (16 ref.)
A consensus structure for membrane transport. Maloney PC. **Res Microbiol** 1990 Mar–Apr;141(3):374–83 (68 ref.)
Viewing stereopictures in three dimensions with naked eyes. McKeon TA, et al. **Trends Biochem Sci** 1990 Nov; 15(11):412–3 (11 ref.)

MODELS, NEUROLOGICAL

see related
KINDLING (NEUROLOGY)
Excitatory amino acids, growth factors, and calcium: a teeter-totter model for neural plasticity and degeneration. Mattson MP. **Adv Exp Med Biol** 1990;268:211–20 (35 ref.)
Modeling in magnetoencephalography. Ducla-Soares E. **Adv Neurol** 1990;54:95–9 (9 ref.)
Ontogenetic development of habit and memory formation in primates. Bachevalier J. **Ann N Y Acad Sci** 1990; 608:457–77; discussion 477–84 (64 ref.)
Rate of maturation of the hippocampus and the developmental progression of children's performance on the delayed non-matching to sample and visual paired comparison tasks. Diamond A. **Ann N Y Acad Sci** 1990; 608:394–426; discussion 426–33 (106 ref.)
The development and neural bases of memory functions as indexed by the AB and delayed response tasks in human infants and infant monkeys. Diamond A. **Ann N Y Acad Sci** 1990;608:267–309; discussion 309–17 (110 ref.)
Developmental time course in human infants and infant monkeys, and the neural bases of, inhibitory control in reaching. Diamond A. **Ann N Y Acad Sci** 1990;608:637–69; discussion 669–76 (76 ref.)
The paired-comparison paradigm and infant intelligence. Fagan JF 3d. **Ann N Y Acad Sci** 1990;608:337–57; discussion 358–64 (56 ref.)
Prefrontal cortex and the bridging of temporal gaps in the perception-action cycle. Fuster JM. **Ann N Y Acad Sci** 1990;608:318–29; discussion 330–6 (26 ref.)
Does the cerebellum provide a common computation for diverse tasks? A timing hypothesis. Keele SW, et al. **Ann N Y Acad Sci** 1990;608:179–207; discussion 207–11 (84 ref.)
Recall of events by preverbal children. Mandler JM. **Ann N Y Acad Sci** 1990;608:485–503; discussion 503–16 (56 ref.)
Span of integration for delayed-reward contingency learning in 6- to 8-month-old infants. Millar WS. **Ann N Y Acad Sci** 1990;608:239–59; discussion 259–66 (73 ref.)
Varieties of spatial cognition. Psychobiological considerations. Nadel L. **Ann N Y Acad Sci** 1990; 608:613–26; discussion 626–36 (51 ref.)
Performance on traditional matching to sample, non-matching to sample, and object discrimination tasks by 12- to 32-month-old children. A developmental progression. Overman WH. **Ann N Y Acad Sci** 1990; 608:365–85; discussion 385–93 (34 ref.)
Specifying criteria for postulating memory systems. Roediger HL 3d, et al. **Ann N Y Acad Sci** 1990;608:572–89; discussion 589–95 (61 ref.)
Do temporal relationships in conditioning change across the life span? Perspectives from eyeblink conditioning in humans and rabbits. Solomon PR, et al. **Ann N Y Acad Sci** 1990;608:212–32; discussion 232–8 (67 ref.)
Molecular models of anesthetic action on sodium channels, including those from human brain. Urban BW, et al. **Ann N Y Acad Sci** 1991;625:327–43 (40 ref.)
Neurobiological substrates of classical conditioning across the life span. Woodruff-Pak DS, et al. **Ann N Y Acad Sci** 1990;608:150–73; discussion 174–8 (104 ref.)
The neuropsychology of memory. Parallel findings in humans and nonhuman primates. Zola-Morgan S, et al. **Ann N Y Acad Sci** 1990;608:434–50; discussion 450–6 (61 ref.)
Quantum mechanics of synapses. Burden SJ, et al. **Cell** 1990 Oct 5;63(1):7–8 (14 ref.)
Functional dispositions of the spinal stepping generators and their half-centres. Eke-Okoro ST. **Electromyogr Clin Neurophysiol** 1991 Mar;31(2):81–3 (10 ref.)
On the pathophysiology of tinnitus; a review and a peripheral model. Eggermont JJ. **Hear Res** 1990 Sep;48(1–2):111–23 (35 ref.)
Cortical sensorimotor integration: a hypothesis. Batuev AS. **Int J Neurosci** 1989 Jan;44(1–2):53–7 (9 ref.)
Toward a model to explain infant preferences by cerebral emotional asymmetry and hemisphere priming. Drake RA, et al. **Int J Neurosci** 1990 Jan;50(1–2):29–35 (66 ref.)
Melanocyte-stimulating hormone and persistent tardive

dyskinesia: a hypothesis. Sandyk R. **Int J Neurosci** 1990 Mar;51(1-2):45-52 (59 ref.)
Applications of immortalized cells in basic and clinical neurology. Geller HM, et al. **J Cell Biochem** 1991 Mar; 45(3):279-83 (44 ref.)
A new hypothesis for electrical transmission in the mammalian central nervous system. Hillman H. **Med Hypotheses** 1991 Mar;34(3):220-4 (68 ref.)
Selegiline as neuroprotective therapy in Parkinson's disease: concepts and controversies. Langston JW. **Neurology** 1990 Oct;40(10 Suppl 3):suppl 61-6; discussion 67-9 (37 ref.)
GAP-43 as a 'calmodulin sponge' and some implications for calcium signalling in axon terminals. Skene JH. **Neurosci Res Suppl** 1990;13:S112-25 (50 ref.)
"Upstream" regulation of the release probability in sympathetic nerve varicosities. Stjärne L, et al. **Neuroscience** 1990;36(3):571-87 (131 ref.)
Risk assessment: the insidious nature of neurotoxicity and the aging brain. Weiss B. **Neurotoxicology** 1990 Summer; 11(2):305-13 (30 ref.)
A role for protein kinase C in associative learning. Olds JL, et al. **New Biol** 1991 Jan;3(1):27-35 (80 ref.)
A five-conductance model of the action potential in the rat sympathetic neurone. Belluzzi O, et al. **Prog Biophys Mol Biol** 1991;55(1):1-30 (120 ref.)
Effects of aging on the dynamics of information processing and synaptic weight changes in the mammalian hippocampus. Barnes CA. **Prog Brain Res** 1990;86:89-104 (94 ref.)
Neuronal plasticity in normal aging and deficient plasticity in Alzheimer's disease: a proposed intercellular signal cascade. Coleman PD, et al. **Prog Brain Res** 1990;86:75-87 (111 ref.)
Integration by the neuronal growth cone: a continuum from neuroplasticity to neuropathology. Kater SB, et al. **Prog Brain Res** 1990;86:117-28 (35 ref.)
The neurobiological basis of prefrontal cortex self-stimulation: a review and an integrative hypothesis. Mora F, et al. **Prog Brain Res** 1990;85:419-31 (93 ref.)
The modular cerebellum. Hawkes R, et al. **Prog Neurobiol** 1991;36(4):309-27 (81 ref.)
Fractal and chaotic dynamics in nervous systems. King CC. **Prog Neurobiol** 1991;36(4):279-308 (117 ref.)
A review of some theoretical models of the brain. Willis JB. **Prog Neurobiol** 1975;5(2):245-70 (18 ref.)
The brain a geometry engine. Koenderink JJ. **Psychol Res** 1990;52(2-3):122-7 (45 ref.)
Lesioning an attractor network: investigations of acquired dyslexia. Hinton GE, et al. **Psychol Rev** 1991 Jan; 98(1):74-95 (85 ref.)
Keeping cool: a hypothesis about the mechanisms and functions of slow-wave sleep. McGinty D, et al. **Trends Neurosci** 1990 Dec;13(12):480-7 (58 ref.)
[Neuronal mechanisms underlying the kindling model of epilepsy] Maru E. **Nippon Ika Daigaku Zasshi** 1991 Feb; 58(1):4-10 (58 ref.) **(Jpn)**
[The role of neuropeptides in neural somatic reflexes] Traczyk WZ. **Acta Physiol Pol** 1989;40 Suppl 34:55-66 (38 ref.) **(Pol)**
[Kindling as a model for the formation of behavioral disorders] Shandra AA, et al. **Usp Fiziol Nauk** 1990 Oct-Dec;21(4):50-67 (83 ref.) **(Rus)**
[Contractile properties of the muscles in disorders of peripheral innervation (review of the literature)] Bogdanov EI, et al. **Zh Nevropatol Psikhiatr** 1991;91(2):129-32 (58 ref.) **(Rus)**

MODELS, NURSING

An integrated nursing model of depressive behavior in adults. Theory and implications for practice. Calarco MM, et al. **Nurs Clin North Am** 1991 Sep;26(3):573-84 (44 ref.)
The concept of grief: a foundation for nursing research and practice. Cowles KV, et al. **Res Nurs Health** 1991 Apr; 14(2):119-27 (79 ref.)

MODELS, PSYCHOLOGICAL

The déjà vu experience: remembrance of things past? [see comments] Sno HN, et al. **Am J Psychiatry** 1990 Dec; 147(12):1587-95 (91 ref.) Comment in: Am J Psychiatry 1991 Jul;148(7):951-2.
Perspective of power in therapeutic relationships. van Mens-Verhulst J. **Am J Psychother** 1991 Apr;45(2):198-210 (25 ref.)
Specifying criteria for postulating memory systems. Roediger HL 3d, et al. **Ann N Y Acad Sci** 1990;608:572-89; discussion 589-95 (61 ref.)
The "memory system" of prelinguistic infants. Rovee-Collier C. **Ann N Y Acad Sci** 1990;608:517-36; discussion 537-42 (84 ref.)
Perceptual representation systems and implicit memory. Toward a resolution of the multiple memory systems debate. Schacter DL. **Ann N Y Acad Sci** 1990;608:543-67; discussion 567-71 (99 ref.)
Prolegomena to a model of continuity and change in behavioural development. Caspi A. **Ciba Found Symp** 1991; 156:209-19; discussion 219-23 (46 ref.)
The need for a holistic approach to patient care. Abiodun OA. **East Afr Med J** 1991 Jan;68(1):25-8 (20 ref.)
A developmental view of therapeutic bonding in the family: treatment of the disconnected family. Doane JA, et al. **Fam Process** 1991 Jun;30(2):155-75 (45 ref.)
Common methodological framework for theory construction and evaluation in the social and behavioral sciences. Tzeng OC, et al. **Genet Soc Gen Psychol Monogr** 1991 Feb; 117(1):49-76 (80 ref.)
The coming-out process for homosexuals. Martin HP. **Hosp Community Psychiatry** 1991 Feb;42(2):158-62 (46 ref.)
Psychological aspects of pain. Rudy TE, et al. **Int Anesthesiol Clin** 1991 Winter;29(1):9-21 (60 ref.)
Critical aspects of the psychodynamics of substance abuse and the evaluation of their application to a psychotherapeutic approach. Kaufman E. **Int J Addict** 1990-91;25(2A):97-114; discussion 115-6 (33 ref.)
Abuse versus neglect: a model to understand the causes of and treatment strategies for mistreatment of older persons. Movsas TZ, et al. **Issues Law Med** 1990 Fall;6(2):163-73 (63 ref.)
Review of experimental learning theory research in the nursing profession. Laschinger HK. **J Adv Nurs** 1990 Aug; 15(8):985-93 (34 ref.)
A cognitive morphology of psychopathology. Blatt SJ. **J Nerv Ment Dis** 1991 Aug;179(8):449-58 (59 ref.)
The empathic process and its mediators. A heuristic model. Gallop R, et al. **J Nerv Ment Dis** 1990 Oct;178(10):649-54 (43 ref.)
Negative symptoms: psychopathological models. Ananth J, et al. **J Psychiatry Neurosci** 1991 Mar;16(1):12-8 (67 ref.)
The characterization and modelling of antipredator defensive behavior. Blanchard RJ, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):463-72 (42 ref.)
Phasic versus tonic dopamine release and the modulation of dopamine system responsivity: a hypothesis for the etiology of schizophrenia. Grace AA. **Neuroscience** 1991;41(1):1-24 (355 ref.)
An integrated nursing model of depressive behavior in adults. Theory and implications for practice. Calarco MM, et al. **Nurs Clin North Am** 1991 Sep;26(3):573-84 (44 ref.)
Family paradigm theory and family rituals: implications for child and family health. Campbell DW. **Nurse Pract** 1991 Feb;16(2):22, 25-6, 31 (10 ref.)
The Croonian lecture, 1990. The interdependence of the behavioural sciences. Hinde RA. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29; 329(1253):217-27 (69 ref.)
Meaning of the basic rest-activity cycle for psychohygiene. Kokoszka A. **Prog Clin Biol Res** 1990;341B:45-55 (33 ref.)
The creative process: a functional model based on empirical studies from early childhood to middle age. Smith GJ, et al. **Psychol Issues** 1990;(57):1-243 (172 ref.)
Bringing social structure back into clinical decision making. Clark JA, et al. **Soc Sci Med** 1991;32(8):853-66 (162 ref.)
[Paradoxical sleep: is it the guardian of psychological individualism] Jouvet M. **Can J Psychol** 1991 Jun; 45(2):148-68 (88 ref.) (Eng. Abstr.) **(Fre)**
[Possibilities of mathematical modeling in psychiatry (review of the literature)] Blokhina VP, et al. **Zh Nevropatol Psikhiatr** 1990;90(7):120-3 (74 ref.) **(Rus)**

MODELS, STATISTICAL

see related
META-ANALYSIS
Reasoning in uncertainties. An analysis of five strategies and their suitability in pathology. van Ginneken AM, et al. **Anal Quant Cytol Histol** 1991 Apr;13(2):93-109 (10 ref.)
Statistical analysis of pharmacokinetic data with special applications to bioequivalence studies. Powers J, et al. **Ann Rech Vet** 1990;21 Suppl 1:87S-92S (17 ref.)
Recent developments in the multistage modeling of cohort data for carcinogenic risk assessment. Mazumdar S, et al. **Environ Health Perspect** 1991 Jan;90:271-7 (20 ref.)
Statistical aspects of experimental studies with complex mixtures. Wahrendorf J. **IARC Sci Publ** 1990;(104):29-34 (9 ref.)
Annotation: the analysis of change in longitudinal studies of development. Pickles A. **J Child Psychol Psychiatry** 1991 May;32(4):571-9 (39 ref.)
Risk ratios and risk differences in estimating the effect of risk factors for cardiovascular disease in the elderly. Psaty BM, et al. **J Clin Epidemiol** 1990;43(9):961-70 (38 ref.)
Structural equation modeling in clinical assessment research with children. Morris RJ, et al. **J Consult Clin Psychol** 1991 Jun;59(3):371-9 (53 ref.)
Measurement of associations in periodontal diseases using statistical methods for dependent data. DeRouen TA, et al. **J Periodont Res** 1991 May;26(3 (Pt 2)):218-29 (20 ref.)
Null functions and eigenfunctions: tools for the analysis of imaging systems. Barrett HH, et al. **Prog Clin Biol Res** 1991;363:211-26 (4 ref.)
Some statistical issues in studies of the epidemiology of AIDS. Jewell NP. **Stat Med** 1990 Dec;9(12):1387-416; discussion 1433-7 (81 ref.)
The exponential-Gompertzian tumor growth model: data from six tumor cell lines in vitro and in vivo. Estimate of the transition point from exponential to Gompertzian growth and potential clinical implications. Demicheli R, et al. **Tumori** 1991 Jun 30;77(3):189-95 (37 ref.)
Violence prediction methods: statistical and clinical strategies. Gottfredson SD, et al. **Violence Vict** 1988 Winter; 3(4):303-24 (120 ref.)
[The status and outlook for mathematical modelling in epidemiology] Beliakov VD, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Jun;(6):109-13 (50 ref.) **(Rus)**

MODELS, STRUCTURAL

Is symmetry conservation an unessential feature of allosteric theory? Debru C. **Biophys Chem** 1990 Aug 31;37(1-3):15-23 (38 ref.)

MODELS, THEORETICAL

Discussion: the Kermack-McKendrick epidemic threshold theorem. Anderson RM. **Bull Math Biol** 1991;53(1-2):3-32 (63 ref.)
Noncompartmental versus compartmental modelling in clinical pharmacokinetics. Gillespie WR. **Clin Pharmacokinet** 1991 Apr;20(4):253-62 (29 ref.)
Four metrics for image variation. Bookstein FL. **Prog Clin Biol Res** 1991;363:227-40 (5 ref.)
A hyperstack for the segmentation of 3D images. de Graaf CN, et al. **Prog Clin Biol Res** 1991;363:399-413 (17 ref.)
Theories used in patient/health education. Padilla GV, et al. **Semin Oncol Nurs** 1991 May;7(2):87-96 (74 ref.)
[Educational diagnosis and evaluation of educational strategies (PRECEDE Model): practical methodology for inducing changes in behavior and health status] Green LW, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:227-40 (76 ref.) **(Fre)**
[Problems of cerebral stroke in the light of various mathematical models] Kanareĭkin KF, et al. **Klin Med (Mosk)** 1990 Sep;68(9):7-10 (12 ref.) **(Rus)**

MODIFICATION METHYLASES see **DNA MODIFICATION METHYLASES**

MOHR SYNDROME see **OROFACIODIGITAL SYNDROMES**

MOHS SURGERY

Surgical treatment of extramammary Paget's disease. A report of six cases and a reexamination of Mohs micrographic surgery compared with conventional surgical excision. Coldiron BM, et al. **Cancer** 1991 Feb 15; 67(4):933-8 (63 ref.)
Mohs micrographic surgery. Hruza GJ. **Otolaryngol Clin North Am** 1990 Oct;23(5):845-64 (79 ref.)
[Mohs micrographic surgery] Alcalay J, et al. **Harefuah** 1991 Feb 1;120(3):146-8 (10 ref.) **(Heb)**

METHODS
Skin cancer: a review with consideration of treatment options including Mohs micrographic surgery. Lambert DR, et al. **Ohio Med** 1990 Oct;86(10):745-7 (7 ref.)
[Mohs surgery--technique and indications] Dachów-Siwiec E, et al. **Przegl Dermatol** 1990 Nov-Dec;77(6):422-7 (20 ref.) **(Pol)**

MOLAR

ABNORMALITIES
Incidence and features of three-rooted permanent mandibular molars. Loh HS. **Aust Dent J** 1990 Oct;35(5):434-7 (14 ref.)

PHYSIOPATHOLOGY
Eruption disturbances of permanent molars: a review. Raghoebar GM, et al. **J Oral Pathol Med** 1991 Apr; 20(4):159-66 (54 ref.)

RADIOGRAPHY
Intracoronal radiolucencies within unerupted teeth. Case report and review of literature. Ignelzi MA Jr, et al. **Oral Surg Oral Med Oral Pathol** 1990 Aug;70(2):214-20 (20 ref.)

MOLAR, FOURTH see **TOOTH, SUPERNUMERARY**

MOLAR, THIRD

The mandibular third molar and late crowding of the mandibular incisors--a review. Vasir NS, et al. **Br J Orthod** 1991 Feb;18(1):59-66 (59 ref.)
[Acute pericoronitis of mandibular wisdom teeth] Chen SY, et al. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1990 May; 25(3):179-80 (16 ref.) **(Chi)**

MOLECULAR BIOLOGY

Hazards and their exploitation in the applications of molecular biology to structure-function relationships. Schimmel P. **Biochemistry** 1990 Oct 16;29(41):9495-502 (91 ref.)
Chronic myelogenous leukemia: molecule to man. Gale RP. **Henry Ford Hosp Med J** 1991;39(2):108-11 (30 ref.)
Molecular biology of aging. Part II: A synopsis of current research. Mooradian AD, et al. **J Am Geriatr Soc** 1991 Jul;39(7):717-23 (73 ref.)
Molecular biology of the angiotensinogen and kininogen genes. Kitamura N, et al. **J Cardiovasc Pharmacol** 1987;10 Suppl 7:S49-53 (25 ref.)

Has modern biology entered the mouth? The clinical impact of biological research. Baum BJ. **J Dent Educ** 1991 May; 55(5):299–303 (23 ref.)

What getting sick means. Abumrad NN, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):157S–163S (54 ref.)

From molecular biology to "genetic antibiotics". Goldsmith MA. **Perspect Biol Med** 1990 Autumn;34(1):99–108 (14 ref.)

Cellular and molecular aspects of insect immunity. Hoffmann D, et al. **Res Immunol** 1990 Nov–Dec;141(9):895–6 (0 ref.)

Applications of cell and molecular biology to pneumonology. McDonald JA. **Schweiz Med Wochenschr** 1991 Jan 26; 121(4):89–95 (31 ref.)

Overview of flavivirus molecular biology and future vaccine development via recombinant DNA. Rice CM. **Southeast Asian J Trop Med Public Health** 1990 Dec; 21(4):670–7 (54 ref.)

Are molecular and electrophysiological data refining models of agonism? Jenkinson D, et al. **Trends Pharmacol Sci** 1990 Mar;11(3):91–4 (20 ref.)

[Molecular pharmacology—the road to selective pharmacotherapy?] Fredholm BB. **Lakartidningen** 1991 Feb 6;88(6):413–4, 417–21 (45 ref.) (Eng. Abstr.) **(Swe)**

[Molecular genetics—valuable diagnostic complement in cases of lymphomas/leukemias] Lindh J, et al. **Lakartidningen** 1991 Feb 20;88(8):641–4 (14 ref.) (Eng. Abstr.) **(Swe)**

METHODS

Techniques in plant molecular biology—progress and problems. Walden R, et al. **Eur J Biochem** 1990 Sep 24; 192(3):563–76 (181 ref.)

Molecular technology: improving strategies for controlling hydatid disease and cysticercosis. McManus DP. **Southeast Asian J Trop Med Public Health** 1990 Jun; 21(2):161–73 (54 ref.)

Gene isolation is 25 years old this month. Birnstiel ML. **Trends Genet** 1990 Dec;6(12):380–1 (18 ref.)

Molecular approaches to the segmentation of the hindbrain. Wilkinson DG, et al. **Trends Neurosci** 1990 Aug;13(8):335–9 (39 ref.)

TRENDS

[The new insulins: a result of molecular biology prowess, maybe a clinical advance?] Assan R. **Journ Annu Diabetol Hotel Dieu** 1991;:45–53 (12 ref.) **(Fre)**

MOLECULAR CLONING see **CLONING, MOLECULAR**

MOLECULAR CONFORMATION

Applications of multinuclear NMR in the solid state to structural and dynamical problems in macromolecular chemistry. Bryant RG, et al. **Basic Life Sci** 1990;56:255–71 (27 ref.)

Applications of interactive computer graphics in analyses of biomolecular structures. Barlow DJ, et al. **Nat Prod Rep** 1990 Aug;7(4):311–26 (210 ref.)

The use of quantum chemical methods to study molecular mechanisms of drug action. Höltje HD, et al. **Prog Drug Res** 1990;34:9–74 (233 ref.)

MOLECULAR GENETICS see **GENETICS, BIOCHEMICAL**

MOLECULAR MODELS see **MODELS, MOLECULAR**

MOLECULAR NEUROBIOLOGY see **NEUROBIOLOGY**

MOLECULAR PROBE TECHNIQUES

Molecular pathology and diagnosis of infectious diseases. Figueroa ME, et al. **Am J Clin Pathol** 1991 Apr;95(4 Suppl 1):S8–21 (92 ref.)

Analysis of genes and chromosomes by nonisotopic in situ hybridization. Lichter P, et al. **Genet Anal Tech Appl** 1991 Feb;8(1):24–35 (165 ref.)

Molecular techniques in the diagnosis of human infectious diseases. Desselberger U, et al. **Genitourin Med** 1990 Oct; 66(5):313–23 (138 ref.)

MOLECULAR PROBES

Molecular probes in neuro-oncology: a review. Rutka JT, et al. **Cancer Invest** 1990;8(3–4):425–38 (78 ref.)

The digoxigenin:anti-digoxigenin (DIG) technology—a survey on the concept and realization of a novel bioanalytical indicator system. Kessler C. **Mol Cell Probes** 1991 Jun;5(3):161–205 (411 ref.)

ANALYSIS

Molecular markers of processes in cartilage in joint disease. Heinegård D, et al. **Br J Rheumatol** 1991;30 Suppl 1:21–4 (14 ref.)

DIAGNOSTIC USE

Phospholipid transfer proteins as probes of membrane structure and function. Crain RC. **Subcell Biochem** 1990; 16:45–67 (129 ref.)

MOLECULAR SEQUENCE DATA

see related
SEQUENCE ALIGNMENT

MOLECULAR STRUCTURE

see related
MODELS, MOLECULAR

Some problems in the structural elucidation of fungal metabolites. Steglich W, et al. **Ciba Found Symp** 1990; 154:56–61; discussion 61–5 (10 ref.)

MOLECULAR VACCINES see **VACCINES, SYNTHETIC**

MOLESTATION, SEXUAL, CHILD see **CHILD ABUSE, SEXUAL**

MOLLUSCA

see related
SHELLFISH

Fish farming. Hillcoat JB. **Bibl Nutr Dieta** 1990;(46):10–21 (4 ref.)

CLASSIFICATION

[Hidrobioid (Mollusca: Mesogastropoda) in Pedro Leopoldo and Lagoa Santa municipalities, MG, Brazil] Lima LC, et al. **Rev Inst Med Trop Sao Paulo** 1990 Mar–Apr;32(2):86–90 (34 ref.) (Eng. Abstr.) **(Por)**

GROWTH & DEVELOPMENT

The gastropod nervous system in metamorphosis. Marois R, et al. **J Neurobiol** 1990 Oct;21(7):1053–71 (96 ref.)

METABOLISM

Cytochrome P-450 monooxygenase systems in aquatic species: carcinogen metabolism and biomarkers for carcinogen and pollutant exposure. Stegeman JJ, et al. **Environ Health Perspect** 1991 Jan;90:101–9 (74 ref.)

Marine adhesive proteins: natural composite thermosets. Waite JH. **Int J Biol Macromol** 1990 Apr;12(2):139–44 (60 ref.)

PHYSIOLOGY

Paramyosin and the catch mechanism. Watabe S, et al. **Comp Biochem Physiol [B]** 1990;96(4):639–46 (49 ref.)

The light-suppressible K+ conductance and evaluation of internal messenger candidates in the molluscan extraocular photoreceptor. Gotow T, et al. **Neurosci Res Suppl** 1990; 12:S145–59 (41 ref.)

The membrane of giant molluscan neurons: electrophysiologic properties and the origin of the resting potential. Marmor MF. **Prog Neurobiol** 1975;5(2):167–95 (121 ref.)

[The sensory systems of mollusks as a model subject for space biology] Kovalev VA, et al. **Nerv Sist** 1990;29:186–93 (26 ref.) **(Rus)**

ULTRASTRUCTURE

Cytology of pollutant metals in marine invertebrates: a review of microanalytical applications. Nott JA. **Scanning Microsc** 1991 Mar;5(1):191–204; discussion 204–5 (90 ref.)

MOLLUSCACIDES

ISOLATION & PURIFICATION

Plant molluscicides: potential of Aridan, Tetrapleura tetraptera, for schistosomiasis control in Nigeria. Adewunmi CO. **Sci Total Environ** 1991 Feb;102:21–33 (60 ref.)

MOLLUSCUM CONTAGIOSUM

The "nuisance" sexually transmitted diseases: molluscum contagiosum, scabies, and crab lice. Billstein SA, et al. **Med Clin North Am** 1990 Nov;74(6):1487–505 (54 ref.)

Sexually transmitted diseases: cutaneous lesions. Stein BS. **Semin Urol** 1991 Feb;9(1):2–8 (18 ref.)

DIAGNOSIS

[Mollusca contagiosa-like cutaneous cryptococcosis in AIDS: a case] Poizot-Martin I, et al. **Ann Dermatol Venereol** 1991;118(1):29–32 (21 ref.) **(Fre)**

MOLSIDOMINE

PHARMACOLOGY

Molsidomine. Reden J. **Blood Vessels** 1990;27(2–5):282–94 (34 ref.)

MOLTING HORMONE see **ECDYSONE**

MOLYBDENUM

CHEMISTRY

Enzymes depending on the pterin molybdenum cofactor: sequence families, spectroscopic properties of molybdenum and possible cofactor-binding domains. Wootton JC, et al. **Biochim Biophys Acta** 1991 Mar 29;1057(2):157–85 (215 ref.)

METABOLISM

The interactions between copper, molybdenum, and sulphur in ruminant nutrition. Suttle NF. **Annu Rev Nutr** 1991; 11:121–40 (81 ref.)

Modulator: the missing link. Bodine PV, et al. **Mol Cell Endocrinol** 1990 Nov 12;74(1):C77–81 (31 ref.)

MONENSIN

BIOSYNTHESIS

Polyketide synthase complexes: their structure and function in antibiotic biosynthesis. Robinson JA. **Philos Trans R Soc Lond [Biol]** 1991 May 29; 332(1263):107–14 (29 ref.)

MONGOLISM see **DOWN'S SYNDROME**

MONGOLOID RACE

Genetic polymorphisms in drug metabolism—its relevance to Asian populations. Lee EJ. **Ann Acad Med Singapore** 1991 Jan;20(1):56–60 (28 ref.)

Understanding the culture and behaviour of East Asians—a Confucian perspective [see comments] Cheng SK. **Aust N Z J Psychiatry** 1990 Dec;24(4):510–5 (37 ref.) Comment in: Aust N Z J Psychiatry 1991 Mar;25(1):14–6.

The place of culture in psychiatric nosology: Taijin kyofusho and DSM-III-R. Kirmayer LJ. **J Nerv Ment Dis** 1991 Jan; 179(1):19–28 (58 ref.)

GENETICS

Differences in drug metabolism polymorphism between Orientals and Caucasians. Lou YC. **Drug Metab Rev** 1990; 22(5):451–75 (105 ref.)

MONILIA see **CANDIDA**

MONILIALES see **HYPHOMYCETES**

MONILIASIS see **CANDIDIASIS**

MONILIASIS, CUTANEOUS see **CANDIDIASIS, CUTANEOUS**

MONILIASIS, ORAL see **CANDIDIASIS, ORAL**

MONILIASIS, VULVOVAGINAL see **CANDIDIASIS, VULVOVAGINAL**

MONITORING, AMBULATORY ELECTROCARDIOGRAPHIC see **ELECTROCARDIOGRAPHY, AMBULATORY**

MONITORING, ENVIRONMENTAL see **ENVIRONMENTAL MONITORING**

MONITORING, FETAL see **FETAL MONITORING**

MONITORING, HOLTER see **ELECTROCARDIOGRAPHY, AMBULATORY**

MONITORING, HOME BLOOD GLUCOSE see **BLOOD GLUCOSE SELF-MONITORING**

MONITORING, IMMUNE see **MONITORING, IMMUNOLOGIC**

MONITORING, IMMUNOLOGIC

METHODS

Advances in diagnosis and treatment in clinical immunology. Hobbs JR, et al. **Wien Med Wochenschr Suppl** 1990;107:3–5 (0 ref.)

[Immunologic monitoring of rejection of allogeneic lung transplant] Stikhanovskaia LD. **Vestn Akad Med Nauk SSSR** 1990;(8):54–60 (65 ref.) **(Rus)**

MONITORING, INTRAOPERATIVE see **INTRAOPERATIVE MONITORING**

MONITORING, PHYSIOLOGIC

see related
SIGNAL PROCESSING, COMPUTER-ASSISTED

Home monitoring of uterine contractility. Summary of a workshop sponsored by the National Institute of Child Health and Human Development and the Bureau of Maternal and Child Health and Resources Development, Bethesda, Maryland, March 29 and 30, 1989. Rhoads GG,

et al. **Am J Obstet Gynecol** 1991 Jul;165(1):2–6 (20 ref.)
Monitoring epidural analgesia in the parturient [see comments] Crowhurst JA, et al. **Anaesth Intensive Care** 1990 Aug;18(3):308–13 (45 ref.) Comment in: Anaesth Intensive Care 1991 Feb;19(1):130.
Ergonomic and human factors affecting anesthetic vigilance and monitoring performance in the operating room environment [see comments] Weinger MB, et al. **Anesthesiology** 1990 Nov;73(5):995–1021 (277 ref.) Comment in: Anesthesiology 1991 Jun;74(6):1160–1.
Monitoring in microvascular surgery. Furnas H, et al. **Ann Plast Surg** 1991 Mar;26(3):265–72 (75 ref.)
Field studies of sleep/wake patterns and performance: a laboratory experience. Broughton RJ. **Can J Psychol** 1991 Jun;45(2):240–53 (52 ref.)
Therapeutic drug monitoring in pregnancy: rationale and current status. Knott C, et al. **Clin Pharmacokinet** 1990 Dec;19(6):425–33 (74 ref.)
Therapeutic drug monitoring of phenytoin. Rationale and current status. Levine M, et al. **Clin Pharmacokinet** 1990 Nov;19(5):341–58 (121 ref.)
Haemodynamic monitoring. Problems, pitfalls and practical solutions. Bossaert LL, et al. **Drugs** 1991 Jun;41(6):857–74 (66 ref.)
Technical requirements for evoked potential monitoring in the intensive care unit. Bertrand O, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:51–70 (64 ref.)
Esophageal pH monitoring: methodology, indication and interpretation. Vandenplas Y. **Eur J Pediatr Surg** 1991 Apr; 1(2):67–72 (60 ref.)
Central venous pressure monitoring: clinical insights beyond the numbers. Mark JB. **J Cardiothorac Vasc Anesth** 1991 Apr;5(2):163–73 (28 ref.)
Immediate postoperative care of the cardiac surgical patient. Hendren WG, et al. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):3–12 (68 ref.)
[Circulatory monitoring in very low birth weight infants using Doppler sonography] Jorch G, et al. **Monatsschr Kinderheilkd** 1990 Aug;138(8):416–21 (41 ref.) (Eng. Abstr.) **(Ger)**
[Continuous monitoring of mixed venous oxygen saturation: physiology, clinical utility, indications] Putterman C. **Harefuah** 1990 Aug;119(3–4):95–9 (36 ref.) **(Heb)**
[Physiological and environmental factors affecting biological monitoring of exposure to organic solvent vapors] Sato A, et al. **Sangyo Igaku** 1991 Jan;33(1):3–16 (78 ref.) (Eng. Abstr.) **(Jpn)**
[Monitoring muscular relaxation] Alvarez Gómez JA, et al. **Rev Esp Anestesiol Reanim** 1991 Jan–Feb;38(1):29–37 (74 ref.) **(Spa)**

INSTRUMENTATION

Accurate monitoring of neuromuscular blockade using a peripheral nerve stimulator—a review. Beemer GH, et al. **Anaesth Intensive Care** 1990 Nov;18(4):490–6 (36 ref.)
[Monitoring of ventilation] Iotti G, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):565–9 (9 ref.) **(Ita)**
[Biological sensors, their use in medicine and biotechnology] Krivoshein IuS, et al. **Antibiot Khimioter** 1991 Mar; 36(3):51–4 (61 ref.) **(Rus)**

METHODS

National High Blood Pressure Education Program Working Group report on ambulatory blood pressure monitoring. **Arch Intern Med** 1990 Nov;150(11):2270–80 (122 ref.)
Electrochemical biosensors for extracorporeal measurements. Palleschi G, et al. **Biochem Soc Trans** 1991 Feb;19(1):5–9 (19 ref.)
Respiratory and cardiovascular monitoring. Hamilton-Farrell M. **Br J Hosp Med** 1990 Dec; 44(6):418–21 (6 ref.)
Monitoring, new drugs, and reversal of neuromuscular blocking drugs. Bevan DR. **Can J Anaesth** 1991 May;38(4 Pt 2):R89–97 (43 ref.) **(Eng, Fre)**
Non-invasive cardiorespiratory monitoring during sleep. Sackner MA. **Eur Respir J Suppl** 1990 Oct;11:545s–546s (14 ref.)
Esophageal pH monitoring. de Caestecker JS, et al. **Gastroenterol Clin North Am** 1990 Sep;19(3):645–69 (131 ref.)
Practical points in the application of oxygen transport principles. Nightingale P. **Intensive Care Med** 1990;16 Suppl 2:S173–7 (50 ref.)
Ambulatory blood pressure monitoring: research and clinical applications. Mancia G. **J Hypertens Suppl** 1990 Dec; 8(7):S1–13 (78 ref.)
Bedside monitoring in subarachnoid hemorrhage. Evoked responses, hemispheral blood flow, and flow-velocity measurements. Symon L. **Mol Chem Neuropathol** 1990 Jan; 12(1):1–9 (32 ref.)
Role and implementation of long-term monitoring for epilepsy. Gates JR, et al. **Semin Neurol** 1990 Dec; 10(4):357–65 (27 ref.)
Alternatives to Swan-Ganz cardiac output monitoring. Moore FA, et al. **Surg Clin North Am** 1991 Aug; 71(4):699–721 (91 ref.)
Central nervous system monitoring. What helps, what does not. Unwin DH, et al. **Surg Clin North Am** 1991 Aug; 71(4):733–47 (45 ref.)
[Automatic measurement of arterial pressure. A new method for analysis, quantification and evaluation of hypertensive disease] Boaventura I, et al. **Rev Port Cardiol** 1990 Sep; 9(9):721–6 (42 ref.) (Eng. Abstr.) **(Por)**

STANDARDS

Electroencephalographic (EEG) video monitoring. Erlichman M. **Health Technol Assess Rep** 1990;(4):1–14 (46 ref.)
Universities and the clinical monitoring industry: feckless independents or fruitful partners? Smith BE. **Int J Clin Monit Comput** 1990;7(4):249–58 (23 ref.)
[Reliability and error possibilities in monitoring] Pasch T. **Klin Anasthesiol Intensivther** 1990;38:249–63 (38 ref.) **(Ger)**

VETERINARY

Monitoring equine anesthesia. Riebold TW. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):607–24 (30 ref.)

MONITORING, RADIOIMMUNOLOGIC see **MONITORING, IMMUNOLOGIC**

MONITORS, BLOOD PRESSURE see **BLOOD PRESSURE MONITORS**

MONKEY, CRAB-EATING see **MACACA FASCICULARIS**

MONKEY, CYNOMOLGUS see **MACACA FASCICULARIS**

MONKEY DISEASES

Naturally occurring animal models of the acquired immune deficiency syndrome (AIDS). Letvin NL, et al. **Am J Physiol Imaging** 1991;6(1):1–15 (45 ref.)
Naturally acquired and experimental leprosy in nonhuman primates. Meyers WM, et al. **Am J Trop Med Hyg** 1991 Apr;44(4 Pt 2):24–7 (27 ref.)

MONKEY, JAPANESE see **MACACA**

MONKEY, PIG-TAILED see **MACACA NEMESTRINA**

MONKEY RETROVIRUSES see **SIMIAN RETROVIRUSES**

MONKEY, RHESUS see **MACACA MULATTA**

MONKEY, TALAPOIN see **CERCOPITHECIDAE**

MONKEYS see **ANTHROPOIDEA**

MONKEYS, OLD WORLD see **CERCOPITHECIDAE**

MONOACYLGLYCEROLS see **GLYCERIDES**

MONOAMINE OXIDASE

ANALYSIS

[Biochemical research on monoamine oxidases and their significance in the diagnosis of alcoholic intoxication] Porodenko VA, et al. **Sud Med Ekspert** 1991 Jan–Mar; 34(1):45–6 (47 ref.) **(Rus)**

GENETICS

Molecular biological studies of monoamine oxidase: structure and function. Powell JF. **Biochem Soc Trans** 1991 Feb; 19(1):199–201 (9 ref.)
Molecular basis of human MAO A and B. Shih JC. **Neuropsychopharmacology** 1991 Jan;4(1):1–7 (43 ref.)
Biochemistry and genetics of monoamine oxidase. Weyler W, et al. **Pharmacol Ther** 1990;47(3):391–417 (298 ref.)

METABOLISM

Short-lasting and reversible inhibition of monoamine oxidase-A by moclobemide. Da Prada M, et al. **Acta Psychiatr Scand Suppl** 1990;360:103–5 (10 ref.)
Comparison of monoamine oxidase-A inhibition by moclobemide in vitro and ex vivo in rats. Kettler R, et al. **Acta Psychiatr Scand Suppl** 1990;360:101–2 (18 ref.)
New directions in monoamine oxidase A and B selective inhibitors and substrates. Youdim MB, et al. **Biochem Pharmacol** 1991 Jan 15;41(2):155–62 (74 ref.)
Structure-modulated recognition of substrates and inhibitors by monoamine oxidases A and B. Dostert P, et al. **Biochem Soc Trans** 1991 Feb;19(1):207–11 (24 ref.)
The use of mechanism-based inactivators to probe the mechanism of monoamine oxidase. Silverman RB. **Biochem Soc Trans** 1991 Feb;19(1):201–6 (44 ref.)
The interaction of monoamine oxidases with tertiary amines. Singer TP, et al. **Biochem Soc Trans** 1991 Feb;19(1):211–5 (19 ref.)
Novel substrates and products of amine oxidase-catalysed reactions. Youdim MB, et al. **Biochem Soc Trans** 1991 Feb; 19(1):224–8 (26 ref.)
Drug metabolizing enzymes in the brain and cerebral microvessels. Minn A, et al. **Brain Res Brain Res Rev** 1991 Jan–Apr;16(1):65–82 (182 ref.)
The MPTP story: MAO activates tetrahydropyridine derivatives to toxins causing parkinsonism. Maret G, et al. **Drug Metab Rev** 1990;22(4):291–332 (183 ref.)
Some aspects of the pharmacology of semicarbazide-sensitive amine oxidases. Callingham BA, et al. **J Neural Transm Suppl** 1990;32:279–90 (63 ref.)
The interaction of transport mechanisms and intracellular enzymes in metabolizing systems. Trendelenburg U. **J Neural Transm Suppl** 1990;32:3–18 (31 ref.)
The role of monoamine oxidase, iron–melanin interaction, and intracellular calcium in Parkinson's disease. Youdim MB, et al. **J Neural Transm Suppl** 1990;32:239–48 (39 ref.)

PHYSIOLOGY

The role of MAO in dopaminergic transmission. Riederer P, et al. **Adv Neurol** 1990;53:149–53 (35 ref.)

MONOAMINE OXIDASE INHIBITORS

Some aspects of the pharmacology of semicarbazide-sensitive amine oxidases. Callingham BA, et al. **J Neural Transm Suppl** 1990;32:279–90 (63 ref.)

ADVERSE EFFECTS

Interaction studies with moclobemide. Zimmer R, et al. **Acta Psychiatr Scand Suppl** 1990;360:84–6 (7 ref.)

PHARMACOLOGY

Short-lasting and reversible inhibition of monoamine oxidase-A by moclobemide. Da Prada M, et al. **Acta Psychiatr Scand Suppl** 1990;360:103–5 (10 ref.)
Hypotensive action and weak potentiation of tyramine effect by moclobemide in rats. Da Prada M, et al. **Acta Psychiatr Scand Suppl** 1990;360:106–7 (12 ref.)
Comparison of monoamine oxidase-A inhibition by moclobemide in vitro and ex vivo in rats. Kettler R, et al. **Acta Psychiatr Scand Suppl** 1990;360:101–2 (18 ref.)
New directions in monoamine oxidase A and B selective inhibitors and substrates. Youdim MB, et al. **Biochem Pharmacol** 1991 Jan 15;41(2):155–62 (74 ref.)
Structure-modulated recognition of substrates and inhibitors by monoamine oxidases A and B. Dostert P, et al. **Biochem Soc Trans** 1991 Feb;19(1):207–11 (24 ref.)
Bioprecursor approach to drug targeting. Jung MJ. **Biochem Soc Trans** 1990 Oct;18(5):745–6 (5 ref.)
The use of mechanism-based inactivators to probe the mechanism of monoamine oxidase. Silverman RB. **Biochem Soc Trans** 1991 Feb;19(1):201–6 (44 ref.)
The interaction of monoamine oxidases with tertiary amines. Singer TP, et al. **Biochem Soc Trans** 1991 Feb;19(1):211–5 (19 ref.)
Monoamine oxidase inhibitor interactions with other drugs. Blackwell B. **J Clin Psychopharmacol** 1991 Feb;11(1):55–9 (59 ref.)
Brofaromine—a selective, reversible, and short-acting MAO-A inhibitor: review of the pharmacological and clinical findings. Möller HJ, et al. **Pharmacopsychiatry** 1991 Mar;24(2):50–4 (11 ref.)

THERAPEUTIC USE

Reversible and irreversible monoamine oxidase inhibitors in other psychiatric disorders. Liebowitz MR, et al. **Acta Psychiatr Scand Suppl** 1990;360:29–34 (43 ref.)
Inhibitors of dopamine inactivating systems as antiparkinson drugs. Youdim MB. **Adv Neurol** 1990;53:483–8 (25 ref.)
Panic disorder: a treatment update. Burrows GD, et al. **J Clin Psychiatry** 1991 Jul;52 Suppl:24–6 (18 ref.)
Understanding and treating depression in anxious patients. Dubovsky SL. **J Clin Psychiatry** 1990 Oct;51 Suppl:3–8; discussion 14–7 (55 ref.)
Selegiline HCl: Selective MAO-type B inhibitor. Koller WC, et al. **Neurology** 1990 Oct;40(10 Suppl 3):suppl 58–60 (36 ref.)

MONOAMINES, BIOGENIC see **BIOGENIC MONOAMINES**

MONOBLASTIC LEUKEMIA, ACUTE see **LEUKEMIA, MONOCYTIC, ACUTE**

MONOCLONAL ANTIBODIES see **ANTIBODIES, MONOCLONAL**

MONOCLONAL GAMMOPATHIES see **PARAPROTEINEMIAS**

MONOCLONAL GAMMOPATHIES, BENIGN

BLOOD

Immunoglobulin D benign monoclonal gammopathy. A case report. O'Connor ML, et al. **Cancer** 1991 Aug 1;68(3):611–6 (16 ref.)

COMPLICATIONS

Primary hyperparathyroidism and monoclonal gammopathy. Rao DS, et al. **Henry Ford Hosp Med J** 1991;39(1):41–4 (23 ref.)

MONOCULAR VISION see VISION, MONOCULAR

MONOCYTES

CYTOLOGY

Protein phosphorylation events and changes in inositol metabolism during HL60 cell differentiation. Lord JM, et al. **Biochem Soc Trans** 1991 Apr;19(2):315–20 (13 ref.)

The human leukemia cell line, THP–1: a multifacetted model for the study of monocyte–macrophage differentiation. Auwerx J. **Experientia** 1991 Jan 15;47(1):22–31 (114 ref.)

[Active metabolites of vitamin D as regulators of proliferation and differentiation of monocyte–macrophage cells (review)] Pletsityi KD. **Vopr Med Khim** 1990 Sep–Oct; 36(5):2–4 (38 ref.) **(Rus)**

DRUG EFFECTS

Interaction of cancer chemotherapy agents with the mononuclear phagocyte system. Mantovani A, et al. **Prog Drug Res** 1990;35:487–519 (213 ref.)

IMMUNOLOGY

Inflammatory indices in chronic bronchitis. Monocyte–macrophage microbicidal activity. Nielson H. **Agents Actions Suppl** 1990;30:213–8 (14 ref.)

Signals involved in interleukin 1 synthesis and release by lipopolysaccharide–stimulated monocytes/macrophages. Cavaillon JM, et al. **Cytokine** 1990 Sep;2(5):313–29 (210 ref.)

Chemotaxis of human blood monocytes. Methodological and clinical aspects. Nielsen H. **Dan Med Bull** 1990 Oct; 37(5):406–23 (302 ref.)

Monocytes, dendritic cells, and Langerhans cells in human immunodeficiency virus infection. Kalter DC, et al. **Dermatol Clin** 1991 Jul;9(3):415–28 (112 ref.)

Activated killer monocytes: preclinical model systems. Shinomiya H, et al. **Immunol Ser** 1989;48:101–26 (87 ref.)

Regulation of cytokine and viral gene expression in monocytes infected with the human immunodeficiency virus. Meltzer MS, et al. **Pathobiology** 1991;59(4):209–13 (20 ref.)

Monocyte–mediated growth control and the induction of tumor cell death. van der Bosch J, et al. **Pathobiology** 1991; 59(4):243–7 (25 ref.)

[Immunology and virology of HIV infection: current concepts in the pathogenesis of AIDS] Miedema F, et al. **Ned Tijdschr Geneeskd** 1990 Sep 8;134(36):1724–8 (36 ref.) **(Dut)**

[The role of cellular immunity in the pathogenesis of glomerulonephritis] Kacprzyk F, et al. **Postepy Hig Med Dosw** 1989;43(2–4):199–212 (82 ref.) (Eng. Abstr.) **(Pol)**

METABOLISM

Seasonal variation in the phagocytic activity and arachidonic–acid metabolism of human blood monocytes in healthy non–smokers, smokers and chronic bronchitics. Linden M, et al. **Agents Actions Suppl** 1990;30:121–32 (19 ref.)

The interaction of lactoferrin with human monocytes. Birgens HS. **Dan Med Bull** 1991 Jun;38(3):244–52 (119 ref.)

Heparin, monocytes, and procoagulant activity. Abbate R, et al. **Haemostasis** 1990;20 Suppl 1:98–100 (11 ref.)

GMP–140: a receptor for neutrophils and monocytes on activated platelets and endothelium. McEver RP. **J Cell Biochem** 1991 Feb;45(2):156–61 (36 ref.)

MICROBIOLOGY

Monocyte–mediated entry of pathogens into the central nervous system. Williams AE, et al. **Neuropathol Appl Neurobiol** 1990 Oct;16(5):377–92 (92 ref.)

PATHOLOGY

Abnormal cutaneous topobiology: the molecular basis for dermatopathologic mononuclear cell patterns in inflammatory skin disease. Nickoloff BJ, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):128S–131S (36 ref.)

PHYSIOLOGY

Monocyte chemotactic proteins from human tumor cells. Graves DT, et al. **Biochem Pharmacol** 1991 Feb 1; 41(3):333–7 (44 ref.)

Increased susceptibility of malaria–infected variant erythrocytes to the mononuclear phagocyte system [see comments] Yuthavong Y, et al. **Blood Cells** 1990; 16(2–3):591–7 (48 ref.) Comment in: Blood Cells 1990;16(2–3):598–601. Comment in: Blood Cells 1990;16(2–3):602–4.

Monocyte/macrophage function in CAPD patients. Lewis SL, et al. **Contrib Nephrol** 1990;85:1–9 (23 ref.)

A view to a kill: cytotoxic mechanisms of human polymorphonuclear leukocytes compared with monocytes and natural killer cells. van Kessel KP, et al. **Pathobiology** 1990;58(5):249–64 (150 ref.)

[Role of macrophages in atherogenesis (editorial)] Rouis M, et al. **Presse Med** 1991 Mar 9;20(9):401–3 (10 ref.) **(Fre)**

[Monocyte markers] Schütt C. **Acta Histochem Suppl** 1990; 39:333–7 (3 ref.) (Eng. Abstr.) **(Ger)**

MONOCYTES, ACTIVATED KILLER

see related
IMMUNOTHERAPY, ADOPTIVE

MONOCYTIC LEUKEMIA, ACUTE see LEUKEMIA, MONOCYTIC, ACUTE

MONOKINES

PHYSIOLOGY

Role of monokines in control of anterior pituitary hormone release. McCann SM, et al. **Adv Exp Med Biol** 1990; 274:315–29 (31 ref.)

MONONUCLEAR LEUKOCYTES see LEUKOCYTES, MONONUCLEAR

MONOSACCHARIDE TRANSPORT PROTEINS

Structure and function of hexose transporters. Silverman M. **Annu Rev Biochem** 1991;60:757–94 (123 ref.)

CHEMISTRY

Uniporters and anion antiporters. Baldwin SA. **Curr Opin Cell Biol** 1990 Aug;2(4):714–21 (31 ref.)

GENETICS

Glucose transporters: structure, function, and regulation. Assimacopoulos–Jeannet F, et al. **Biochimie** 1991 Jan; 73(1):67–70 (14 ref.)

Family of glucose–transporter genes. Implications for glucose homeostasis and diabetes. Mueckler M. **Diabetes** 1990 Jan; 39(1):6–11 (62 ref.)

The homologous glucose transport proteins of prokaryotes and eukaryotes. Henderson PJ. **Res Microbiol** 1990 Mar–Apr;141(3):316–28 (71 ref.)

METABOLISM

Regulation of glucose transporters in diabetes. Karnieli E, et al. **Horm Res** 1990;33(2–4):99–104 (57 ref.)

Diabetic hyperglycemia: link to impaired glucose transport in pancreatic beta cells. Unger RH. **Science** 1991 Mar 8; 251(4998):1200–5 (50 ref.)

MONOSIALOSYL TETRAGLYCOSYL CERAMIDE see G(M1) GANGLIOSIDE

MONOSODIUM GLUTAMATE see SODIUM GLUTAMATE

MONOSOMY

Unusual mosaic trisomy 13 through 13/13 translocation and monosomy 13 with a small ring. Jalal SM, et al. **Ann Genet** 1990;33(3):173–5 (11 ref.)

Similar cytogenetic abnormalities in two cases of plasma cell leukemia [see comments] Smadja N, et al. **Cancer Genet Cytogenet** 1991 Mar;52(1):123–9 (27 ref.) Comment in: Cancer Genet Cytogenet 1991 Mar;52(1):135–8.

MONOSOMY, PARTIAL see CHROMOSOME DELETION

MONOSPORIUM APIOSPERMUM see PSEUDALLESCHERIA

MONTE CARLO METHOD

Monte Carlo techniques in medical radiation physics. Andreo P. **Phys Med Biol** 1991 Jul;36(7):861–920 (300 ref.)

MONTEGGIA'S FRACTURE

SURGERY

[Treatment of Monteggia fracture in children] Vinz H, et al. **Zentralbl Chir** 1991;116(3):143–50 (8 ref.) (Eng. Abstr.) **(Ger)**

MOOD see AFFECT

MOOD DISORDERS, NON–PSYCHOTIC see AFFECTIVE DISORDERS

MOOD DISORDERS, PSYCHOTIC see AFFECTIVE DISORDERS, PSYCHOTIC

MOPEG see METHOXYHYDROXYPHENYLGLYCOL

MORACIZIN see MORICIZINE

MORALS

see related
CONFLICT OF INTEREST

Depression and moral identity in adolescence. Reinhard HG. **Acta Paedopsychiatr** 1990;53(2):104–25 (100 ref.)

Morality and pretextuality, psychiatry and law: of "ordinary common sense," heuristic reasoning, and cognitive dissonance. Perlin ML. **Bull Am Acad Psychiatry Law** 1991; 19(2):131–50 (149 ref.)

Moral dilemmas in neonatal medicine. Saugstad OD. **Int J Technol Assess Health Care** 1991;7 Suppl 1:133–5 (4 ref.)

Children on the stand: the obligation to speak the truth. Burton RV, et al. **J Dev Behav Pediatr** 1991 Apr; 12(2):121–8 (66 ref.)

The 'voice of care': implications for bioethical education. Carse AL. **J Med Philos** 1991 Feb;16(1):5–28 (41 ref.)

Ethics and technological advances: contributions of social work practice. Abramson M. **Soc Work Health Care** 1990; 15(2):5–17 (31 ref.)

MORANTEL

PHARMACOLOGY

Anthelmintic resistance in nematodes: extent, recent understanding and future directions for control and research. Prichard RK. **Int J Parasitol** 1990 Jul; 20(4):515–23 (90 ref.)

MORAXELLA

PATHOGENICITY

Kingella kingae intervertebral disk infection. Amir J, et al. **J Clin Microbiol** 1991 May;29(5):1083–6 (40 ref.)

MORAXELLA (BRANHAMELLA) CATARRHALIS see BRANHAMELLA CATARRHALIS

MORAXELLA CATARRHALIS see BRANHAMELLA CATARRHALIS

MORBID OBESITY see OBESITY, MORBID

MORBIDITY

Global trends in adolescent health. Blum RW. **JAMA** 1991 May 22–29;265(20):2711–9 (65 ref.)

Childhood morbidity: comparisons, clusters, and trends. Starfield B. **Pediatrics** 1991 Sep;88(3):519–26 (32 ref.)

The link between stress and illness. Do our coping methods influence our health? Sutherland JE. **Postgrad Med** 1991 Jan;89(1):159–64 (29 ref.)

Health and social inequities in Sweden. Diderichsen F. **Soc Sci Med** 1990;31(3):359–67 (13 ref.)

Health and social inequities in Switzerland. Lehmann P, et al. **Soc Sci Med** 1990;31(3):369–86 (65 ref.)

Travel medicine—prevention based on epidemiological data. Steffen R. **Trans R Soc Trop Med Hyg** 1991 Mar–Apr; 85(2):156–62 (44 ref.)

Symptom sensitivity and sex differences in physical morbidity: a review of health surveys in the United States and The Netherlands. Gijsbers van Wijk CM, et al. **Women Health** 1991;17(1):91–124 (58 ref.)

[Are health and disease equally distributed among children?] Mortensen JT, et al. **Ugeskr Laeger** 1991 May 6; 153(19):1333–6 (30 ref.) (Eng. Abstr.) **(Dan)**

[Anesthesia–related morbidity and mortality (see comments)] Beinlich I. **Anasthesiol Intensivmed Notfallmed Schmerzther** 1991 Jun; 26(4):177–85 (89 ref.) (Eng. Abstr.) Comment in: Anasthesiol Intensivmed Notfallmed Schmerzther 1991 Jun;26(4):175–6. **(Ger)**

[Morbidity and mortality in anesthesia] Otteni JC, et al. **Klin Anasthesiol Intensivther** 1990;38:1–18 (42 ref.) **(Ger)**

[Periemporiatric morbidity and death] Glazer I. **Harefuah** 1991 Feb 1;120(3):138–41 (26 ref.) **(Heb)**

MORICIZINE

PHARMACOLOGY

Moricizine: a new class I antiarrhythmic. Mann HJ. **Clin Pharm** 1990 Nov;9(11):842–52 (59 ref.)

THERAPEUTIC USE

Moricizine: a new agent for the treatment of ventricular arrhythmias. Grubb BP. **Am J Med Sci** 1991 Jun; 301(6):398–401 (37 ref.)

[Comparison of the efficacy of moricizine and disopyramide in the treatment of ventricular extrasystoles] Fauchier JP, et al. **Arch Mal Coeur Vaiss** 1991 Apr;84(4):553–60 (30 ref.) (Eng. Abstr.) **(Fre)**

MORNING AFTER PILL see CONTRACEPTIVES, POSTCOITAL

MORPHEA see SCLERODERMA, CIRCUMSCRIBED

MORPHINANS

CHEMICAL SYNTHESIS

Novel thebainelike morphinandienes and their Diels–Alder adducts. Maat L. **NIDA Res Monogr** 1990;96:35–49 (21 ref.)

PHARMACOLOGY

Opiate receptors: opioid agonist-antagonist effects. Goldstein DJ, et al. **Pharmacotherapy** 1991;11(2):164–7 (30 ref.)

MORPHINE

Morphine-induced immune modulation: does it predispose to HIV infection? Arora PK. **NIDA Res Monogr** 1990; 96:150–65 (37 ref.)

Abuse liability of anabolic steroids and their possible role in the abuse of alcohol, morphine, and other substances. Cicero TJ, et al. **NIDA Res Monogr** 1990;102:1–28 (110 ref.)

ADMINISTRATION & DOSAGE

[Prevention by naloxone of adverse effects of epidural morphine analgesia for cancer pain] Vedrenne JB, et al. **Ann Fr Anesth Reanim** 1991;10(2):98–103 (27 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

Augmented cholescintigraphy: its role in detecting acute and chronic disorders of the hepatobiliary tree. Fink-Bennett D. **Semin Nucl Med** 1991 Apr;21(2):128–39 (58 ref.)

PHARMACOKINETICS

Clinical pharmacokinetics of morphine. Glare PA, et al. **Ther Drug Monit** 1991 Jan;13(1):1–23 (142 ref.)

PHARMACOLOGY

Possible mechanisms of morphine analgesia. Lipp J. **Clin Neuropharmacol** 1991 Apr;14(2):131–47 (56 ref.)

Immunomodulatory effects of chronic morphine treatment: pharmacologic and mechanistic studies. Bryant HU, et al. **NIDA Res Monogr** 1990;96:131–49 (52 ref.)

Adenosine release by morphine and spinal antinociception: role of G-proteins and cyclic AMP. Sawynok J, et al. **NIDA Res Monogr** 1991;105:40–6 (22 ref.)

[Interaction of calcium, calcium antagonists and agonists with central analgesics] Guo X, et al. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):9–14 (45 ref.) **(Chi)**

[Diffuse noxious inhibitory controls: theoretical aspects applied to the effects of regional administration of morphine] Le Bars D, et al. **Neurochirurgie** 1990; 36(6):329–35 (38 ref.) (Eng. Abstr.) **(Fre)**

[Neuropeptide-mediated transmission of nociceptive information and its regulation. Novel mechanisms of analgesics] Kuraishi Y. **Yakugaku Zasshi** 1990 Oct; 110(10):711–26 (63 ref.) (Eng. Abstr.) **(Jpn)**

MORPHINE DEPENDENCE

IMMUNOLOGY

Opioid peptides, receptors, and immune function. Bhargava HN. **NIDA Res Monogr** 1990;96:220–33 (65 ref.)

MORPHINE DERIVATIVES

ADMINISTRATION & DOSAGE

[Patient-controlled analgesia] Scherpereel P. **Ann Fr Anesth Reanim** 1991;10(3):269–83 (118 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

[Morphinan alkaloids present in mammal] Ning YM, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):329–32 (36 ref.) **(Chi)**

PHARMACOLOGY

Pharmacological properties of newly synthesized derivatives of (–)-6 beta-acetylthionormorphine and their interactions with opioid receptors. Takayanagi I, et al. **Gen Pharmacol** 1990;21(5):605–11 (35 ref.)

MORPHINE RECEPTORS see **RECEPTORS, ENDORPHIN**

MORPHOGENESIS

Cell adhesion molecules in embryogenesis and disease. Crossin KL. **Ann N Y Acad Sci** 1991;615:172–86 (123 ref.)

The mineral elements in homoeostasis and morphogenesis. Williams RJ. **Biochem Soc Trans** 1990 Oct;18(5):689–705 (41 ref.)

Titin, a huge, elastic sarcomeric protein with a probable role in morphogenesis. Fulton AB, et al. **Bioessays** 1991 Apr; 13(4):157–61 (49 ref.)

Retinoic acid: the morphogen of the main body axis? Green JB. **Bioessays** 1990 Sep;12(9):437–9 (18 ref.)

The roles of microtubule-associated proteins in brain morphogenesis: a review. Tucker RP. **Brain Res Brain Res Rev** 1990 May-Aug;15(2):101–20 (125 ref.)

From gradients to axes, from morphogenesis to differentiation. Reid L. **Cell** 1990 Nov 30;63(5):875–82 (41 ref.)

Susceptibility of epithelia to directive influences of mesenchymes during organogenesis: uncoupling of morphogenesis and cytodifferentiation. Mizuno T, et al. **Cell Differ Dev** 1990 Sep;31(3):151–9 (67 ref.)

'Generic' physical mechanisms of morphogenesis and pattern formation. Newman SA, et al. **Development** 1990 Sep; 110(1):1–18 (126 ref.)

Expression of intermediate filaments (IF) in tissues and cultured cells. Virtanen I, et al. **Int J Dev Biol** 1989 Mar; 33(1):55–61 (35 ref.)

Mucor dimorphism. Orlowski M. **Microbiol Rev** 1991 Jun; 55(2):234–58 (238 ref.)

EGF receptors in the development of epitheliomesenchymal organs. Partanen AM. **Mol Reprod Dev** 1990 Sep;27(1):60–5 (17 ref.)

Pattern formation during animal development. Melton DA. **Science** 1991 Apr 12;252(5003):234–41 (76 ref.)

Cadherin cell adhesion receptors as a morphogenetic regulator. Takeichi M. **Science** 1991 Mar 22; 251(5000):1451–5 (44 ref.)

PHYSIOLOGY

'Generic' physical mechanisms of morphogenesis and pattern formation. Newman SA, et al. **Development** 1990 Sep; 110(1):1–18 (126 ref.)

A new morphogenic metabolite of retinol: 3,4-didehydroretinoic acid. **Nutr Rev** 1991 Jan;49(1):22–4 (10 ref.)

MORPHOLINES

PHARMACOLOGY

Action of pinaverium bromide, a calcium-antagonist, on gastrointestinal motility disorders. Christen MO. **Gen Pharmacol** 1990;21(6):821–5 (53 ref.)

MORSYDOMINE see **MOLSIDOMINE**

MORTALITY

Competing risks in mortality analysis. Chiang CL. **Annu Rev Public Health** 1991;12:281–307 (51 ref.)

Understanding the effects of age, period, and cohort on incidence and mortality rates. Holford TR. **Annu Rev Public Health** 1991;12:425–57 (46 ref.)

Nutrition and public health. Kesteloot H. **Bibl Nutr Dieta** 1990;(46):45–52 (19 ref.)

Natural disasters. Noji EK. **Crit Care Clin** 1991 Apr; 7(2):271–92 (96 ref.)

Social support and social networks: their relationship to the successful and unsuccessful survival of elderly people in the community. An analysis of concepts and a review of the evidence. Bowling A. **Fam Pract** 1991 Mar;8(1):68–83 (141 ref.)

Low body weight and weight loss in the aged. Fischer J, et al. **J Am Diet Assoc** 1990 Dec;90(12):1697–706 (148 ref.)

The foetal and infant origins of inequalities in health in Britain. Barker DJ. **J Public Health Med** 1991 May; 13(2):64–8 (19 ref.)

Black on class and mortality: theory, method and history. Strong PM. **J Public Health Med** 1990;12(3-4):168–80 (73 ref.)

Using mortality data for profiling hospital quality of care and targeting substandard care. Hannan EL. **J Soc Health Syst** 1989 May;1(1):31–48 (17 ref.)

Global trends in adolescent health. Blum RW. **JAMA** 1991 May 22-29;265(20):2711–9 (65 ref.)

Might treatment of hypercholesterolaemia increase non-cardiac mortality? [see comments] Oliver MF. **Lancet** 1991 Jun 22;337(8756):1529–31 (23 ref.) Comment in: Lancet 1991 Jul 13;338(8759):126.

Childhood morbidity: comparisons, clusters, and trends. Starfield B. **Pediatrics** 1991 Sep;88(3):519–26 (32 ref.)

Inequality in health--some theoretical and empirical problems. Vågerö D. **Soc Sci Med** 1991;32(4):367–71 (29 ref.)

[Anesthesia-related morbidity and mortality (see comments)] Beinlich I. **Anasthesiol Intensivmed Notfallmed Schmerzther** 1991 Jun; 26(4):177–85 (89 ref.) (Eng. Abstr.) Comment in: Anasthesiol Intensivmed Notfallmed Schmerzther 1991 Jun;26(4):175–6. **(Ger)**

[Morbidity and mortality in anesthesia] Otteni JC, et al. **Klin Anasthesiol Intensivther** 1990;38:1–18 (42 ref.) **(Ger)**

[Periemporiatric morbidity and death] Glazer I. **Harefuah** 1991 Feb 1;120(3):138–41 (26 ref.) **(Heb)**

TRENDS

Competing causes of death. A review of recent trends in mortality in industrialized countries with special reference to cancer. Lopez AD. **Ann N Y Acad Sci** 1990;609:58–74; discussion 74–6 (8 ref.)

Food patterns and health problems: health in southern Europe. Menotti A. **Ann Nutr Metab** 1991;35 Suppl 1:69–77 (15 ref.)

Trends in mortality in Britain: 1920–1986. Smith GD, et al. **Ann Nutr Metab** 1991;35 Suppl 1:53–63 (32 ref.)

Health and social inequities in Sweden. Diderichsen F. **Soc Sci Med** 1990;31(3):359–67 (13 ref.)

Health and social inequities in Switzerland. Lehmann P, et al. **Soc Sci Med** 1990;31(3):369–86 (65 ref.)

MOSAIC VIRUSES

GENETICS

The molecular biology of caulimoviruses. Hirth L. **Microbiol Sci** 1986 Sep;3(9):260–5 (31 ref.)

The replication of plant virus RNA. van Kammen A. **Microbiol Sci** 1985 Jun;2(6):170–4 (24 ref.)

MOSAICISM

see related
FREEMARTINISM
MICE, TRANSGENIC

Trisomy 14 mosaicism in a 5-year-old boy. Vachvanichsanong P, et al. **Am J Med Genet** 1991 Jul 1; 40(1):80–3 (37 ref.)

Trisomy 9 mosaicism in a girl with multiple malformations. Diaz-Mares L, et al. **Ann Genet** 1990;33(3):165–8 (12 ref.)

Unusual mosaic trisomy 13 through 13/13 translocation and monosomy 13 with a small ring. Jalal SM, et al. **Ann Genet** 1990;33(3):173–5 (11 ref.)

Mosaicism induced by gene insertion as a means of improving chemotherapeutic selectivity. Moolten FL. **Crit Rev Immunol** 1990;10(3):203–33 (213 ref.)

Mosaic 46, XY/47,XY, + der(18)t(Y;18)(q11.22;q11.2) karyotype, moderate mental retardation and non-specific dysmorphism. Fryns JP, et al. **Genet Couns** 1990;1(2):173–7 (10 ref.)

Trisomy 12 mosaicism detected by mid-trimester amniocentesis. Petrella R, et al. **Prenat Diagn** 1990 Dec; 10(12):781–5 (15 ref.)

Trisomy 12 mosaicism in phenotypically normal fetuses following prenatal detection. Wyandt HE, et al. **Prenat Diagn** 1990 Sep;10(9):569–74 (12 ref.)

[Duchenne muscular dystrophy carrier presenting with mosaic X chromosome constitution and muscular symptoms--with analysis of the barr bodies in the muscle] Kinoshita M, et al. **Rinsho Shinkeigaku** 1990 Jun; 30(6):643–6 (15 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

Phenotypic and phoniatric findings in mosaic cri du chat syndrome. Romano C, et al. **Am J Med Genet** 1991 Jun 15;39(4):391–5 (16 ref.)

Mosaicism 45,X/46,X, t dic(Xp:Xp) in a girl with short stature. Abulhasan SJ, et al. **Ann Genet** 1990;33(4):234–8 (19 ref.)

Chromosomal mosaicism in chorionic villus sampling. Schreck RR, et al. **Clin Perinatol** 1990 Dec;17(4):867–88 (73 ref.)

MOSQUITO CONTROL

see related
INSECTICIDE RESISTANCE
PEST CONTROL, BIOLOGICAL

Botanical derivatives in mosquito control: a review. Sukumar K, et al. **J Am Mosq Control Assoc** 1991 Jun;7(2):210–37 (131 ref.)

Success of integrated methods of control of mosquitoes in India--a review. Yadava RL, et al. **J Commun Dis** 1990 Jun;22(2):79–85 (13 ref.)

[Vector control and malaria control] Carnevale P, et al. **Med Trop (Mars)** 1990 Oct-Dec;50(4):391–8 (75 ref.) (Eng. Abstr.) **(Fre)**

MOSQUITOES

[The prospects for the study of mosquito irritability to insecticides] Sorokin NN. **Med Parazitol (Mosk)** 1991 Mar-Apr;(2):57–9 (37 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunology and treatment of mosquito bites. Reunala T, et al. **Clin Exp Allergy** 1990 Nov;20 Suppl 4:19–24 (37 ref.)

MICROBIOLOGY

The "merry-go-round": alphaviruses between vertebrate and invertebrate cells. Koblet H. **Adv Virus Res** 1990; 38:343–402 (396 ref.)

PARASITOLOGY

On the use of mathematical models of malaria transmission. Koella JC. **Acta Trop (Basel)** 1991 Apr;49(1):1–25 (47 ref.)

PHYSIOLOGY

The sensory physiology of host-seeking behavior in mosquitoes. Bowen MF. **Annu Rev Entomol** 1991;36:139–58 (96 ref.)

MOTH FLIES see **PSYCHODIDAE**

MOTHER CELLS see **STEM CELLS**

MOTHER-CHILD RELATIONS

Postpartum depression and the experience of motherhood. Romito P. **Acta Obstet Gynecol Scand Suppl** 1991;154:1–37 (237 ref.)

Emotional availability in mother-child interactions: a reconceptualization for research. Biringen Z, et al. **Am J Orthopsychiatry** 1991 Apr;61(2):258–71 (55 ref.)
Previewing: a preventive strategy that promotes adaptive development. Trad PV. **Am J Psychother** 1991 Apr; 45(2):231–42 (21 ref.)
Family-focused tertiary prevention with the adolescent mother and her child [see comments] Rich OJ. **Birth Defects** 1991;27(1):137–54 (33 ref.) Comment in: Birth Defects 1991;27(1):155–68.
Folie à deux and mental retardation: review and case report. Ghaziuddin M. **Can J Psychiatry** 1991 Feb;36(1):48–9 (11 ref.)
Children's observations of violence: I. Critical issues in child development and intervention planning. Jaffe PG, et al. **Can J Psychiatry** 1990 Aug;35(6):466–70 (37 ref.)
Chemical dependency in women: a description of its effects and outcome on adequate parenting. Davis SK. **J Subst Abuse Treat** 1990;7(4):225–32 (31 ref.)
[The breast and the breasts] Lebovici S, et al. **Psychiatr Enfant** 1990;33(1):5–36 (20 ref.) (Eng. Abstr.) **(Fre)**
[Separation—aloneness—departure as steps in female development from the psychoanalytic viewpoint] Boothe B. **Z Psychosom Med Psychoanal** 1990;36(4):316–31 (35 ref.) (Eng. Abstr.) **(Ger)**

MOTHERS

Parental sex effect in familial amyotrophic lateral sclerosis. Leone M. **Neurology** 1991 Aug;41(8):1292–4 (16 ref.)

MOTHERS, SURROGATE see **SURROGATE MOTHERS**

MOTHS

GROWTH & DEVELOPMENT

Hormonally mediated changes in simple reflex circuits during metamorphosis in Manduca. Levine RB, et al. **J Neurobiol** 1990 Oct;21(7):1022–36 (43 ref.)

MOTILITY, CELL see **CELL MOVEMENT**

MOTION

see related
MOVEMENT

MOTION PERCEPTION

Cerebral akinetopsia (visual motion blindness). A review. Zeki S. **Brain** 1991 Apr;114 (Pt 2):811–24 (68 ref.)
Perceptual information for the timing of interceptive action. Tresilian JR. **Perception** 1990;19(2):223–39 (51 ref.)

PHYSIOLOGY

Motion: the long and short of it. Cavanagh P, et al. **Spat Vis** 1989;4(2–3):103–29 (110 ref.)
Three theories of stroboscopic motion detection. Sperling G, et al. **Spat Vis** 1985;1(1):47–56 (23 ref.)
The neurobiology of blindsight. Cowey A, et al. **Trends Neurosci** 1991 Apr;14(4):140–5 (67 ref.)
The processing of object and self-motion in the tectofugal and accessory optic pathways of birds. Frost BJ, et al. **Vision Res** 1990;30(11):1677–88 (68 ref.)
[Perception of the motion component in visual information processing] Kubová Z. **Cesk Fysiol** 1991;40(1):73–86 (69 ref.) **(Cze)**

MOTION PICTURES

Movies and juvenile delinquency: an overview. Snyder S. **Adolescence** 1991 Spring;26(101):121–32 (49 ref.)
Rare earth deposits in a deceased movie projectionist. A new case of rare earth pneumoconiosis? Waring PM, et al. **Med J Aust** 1990 Dec 3–17;153(11–12):726–30 (24 ref.)

MOTION SICKNESS

DRUG THERAPY

Motion sickness. Helping patients tolerate the ups and downs. Ruckenstein MJ, et al. **Postgrad Med** 1991 May 1; 89(6):139–44 (10 ref.)

ETIOLOGY

[Motion sickness: the resonance hypothesis] Lychakov DV. **Usp Fiziol Nauk** 1990 Jul–Sep;21(3):125–8 (7 ref.) **(Rus)**

MOTION THERAPY, CONTINUOUS PASSIVE

INSTRUMENTATION

[Functional therapy in treatment of fractures and joint injuries] Tscherne H, et al. **Zentralbl Chir** 1990; 115(16):997–1005 (11 ref.) (Eng. Abstr.) **(Ger)**

MOTIVATION

see related
LIBIDO

Gender identity conflicts in adolescents as motivation for suicide. Cohen Y. **Adolescence** 1991 Spring;26(101):19–29 (10 ref.)
Cognition and motivation in emotion. Lazarus RS. **Am Psychol** 1991 Apr;46(4):352–67 (120 ref.)
Social motivation. Green RG. **Annu Rev Psychol** 1991; 42:377–99 (75 ref.)
The motivation for change from problem alcohol and heroin use. Klingemann HK. **Br J Addict** 1991 Jun;86(6):727–44 (62 ref.)
Behavioural (non-chemical) addictions [editorial] [see comments] Marks I. **Br J Addict** 1990 Nov;85(11):1389–94 (15 ref.) Comment in: Br J Addict 1990 Nov;85(11):1417–9; discussion 1429–31. Comment in: Br J Addict 1990 Nov;85(11):1421–3; discussion 1429–31. Comment in: Br J Addict 1990 Nov;85(11):1425–7; discussion 1429–31.
Behavioural pharmacology of nicotine: multiple mechanisms. Stolerman IP. **Br J Addict** 1991 May;86(5):533–6 (12 ref.)
Brain-stimulation reward: a review. Milner PM. **Can J Psychol** 1991 Mar;45(1):1–36 (220 ref.)
How a relationship between thinking and feeling may give rise to a variety of human behaviors. O'Connor BP. **Genet Soc Gen Psychol Monogr** 1991 Feb;117(1):29–48 (75 ref.)
Use of psychostimulants for the elderly. Roccaforte WH, et al. **Hosp Community Psychiatry** 1990 Dec;41(12):1330–3 (21 ref.)
Neuronal mechanisms of goal-directed behaviour in monkeys. Batuev AS. **Int J Neurosci** 1989 Jan; 44(1–2):59–66 (29 ref.)
Attentional and motivational effects of psychoactive drugs. Kornetsky C, et al. **NIDA Res Monogr** 1990;97:177–92 (27 ref.)
Motivational considerations in physical activity involvement. Lewthwaite R. **Phys Ther** 1990 Dec;70(12):808–19 (98 ref.)
The case for motivated reasoning. Kunda Z. **Psychol Bull** 1990 Nov;108(3):480–98 (100 ref.)
Positive psychotherapy: a transcultural and interdisciplinary approach to psychotherapy. Peseschkian N. **Psychother Psychosom** 1990;53(1–4):39–45 (7 ref.)
[Motivation for addiction and for detoxification: myths vs reality] Shufman EN, et al. **Harefuah** 1991 Jan 1;120(1):22–5 (13 ref.) **(Heb)**
[The interaction of the signal, motivational and executive components of a conditioned reflex] Grigor'ian GA. **Zh Vyssh Nerv Deiat** 1990 Jul–Aug;40(4):629–42 (69 ref.) **(Rus)**

MOTOR ACTIVITY

A critical review of physiological and clinical aspects of movement related brain macropotentials in humans. Chiarenza GA. **Ital J Neurol Sci** 1991 Feb;12(1):17–30 (75 ref.)

DRUG EFFECTS

Pharmacology of spinal peptides affecting sensory and motor functions: dynorphins, somatostatins and tachykinins. Spampinato S, et al. **Pharmacol Res** 1991 Feb;23(2):113–27 (113 ref.)
Neuropeptide Y and behaviour: effects of intrastriatal NPY on circling behaviour of rats. Moore E, et al. **Pol J Pharmacol Pharm** 1990 Nov–Dec;42(6):521–5 (26 ref.)

PHYSIOLOGY

Substrates for motor learning. Does the cerebellum do it all? Bloedel JR, et al. **Ann N Y Acad Sci** 1991;627:305–18 (41 ref.)
Cerebellum and classical conditioning of motor responses. Yeo CH. **Ann N Y Acad Sci** 1991;627:292–304 (39 ref.)
The pain-adaptation model: a discussion of the relationship between chronic musculoskeletal pain and motor activity. Lund JP, et al. **Can J Physiol Pharmacol** 1991 May; 69(5):683–94 (120 ref.)
The neurology of aging: normal versus pathologic change. Morris JC, et al. **Geriatrics** 1991 Aug;46(8):47–8, 51–4 (33 ref.)
Strategies underlying the control of disordered movement. Corcos DM. **Phys Ther** 1991 Jan;71(1):25–38 (58 ref.)
A process-oriented model of human motor behavior: toward a theory-based rehabilitation approach. Mulder T. **Phys Ther** 1991 Feb;71(2):157–64 (87 ref.)
Integration of somatic and autonomic reactions within the midbrain periaqueductal grey: viscerotopic, somatotopic and functional organization. Bandler R, et al. **Prog Brain Res** 1991;87:269–305 (112 ref.)
Electrophysiological correlates of movement initiation. Deecke L. **Rev Neurol (Paris)** 1990;146(10):612–9 (14 ref.)
The basal ganglia and the initiation of movement. Graybiel AM. **Rev Neurol (Paris)** 1990;146(10):570–4 (28 ref.)
Laterality of cerebral controls on somatic and autonomic functions. Tohgi H, et al. **Tohoku J Exp Med** 1990 Aug; 161 Suppl:213–29 (33 ref.)
[Substances capable of inducing stepping (SIS) and central motor control] Liu SY. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):295–9 (27 ref.) **(Chi)**
[Extra-hormonal aspects of the central action of thyroliberin (TRH)] Przegaliński E. **Acta Physiol Pol** 1989;40 Suppl 34:115–26 (39 ref.) **(Pol)**
[The participation of catecholaminergic systems in regulating the spontaneous motor activity of rat pups] Bursian AV, et al. **Usp Fiziol Nauk** 1991 Jan–Feb;22(1):3–19 (78 ref.) **(Rus)**

MOTOR CORTEX

ABNORMALITIES

[Dislocated neurons and neural network: hodological study of the motor cortex of the reeler mutant mouse] Terashima T, et al. **Hokkaido Igaku Zasshi** 1991 May;66(3):268–85 (39 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Higher order motor control. Georgopoulos AP. **Annu Rev Neurosci** 1991;14:361–77 (78 ref.)
Stimulation of the human motor cortex through the scalp. Rothwell JC, et al. **Exp Physiol** 1991 Mar;76(2):159–200 (124 ref.)
Neural mechanisms underlying corticospinal and rubrospinal control of limb movements. Cheney PD, et al. **Prog Brain Res** 1991;87:213–52 (99 ref.)
Premotor area and preparation of movement. Freund HJ. **Rev Neurol (Paris)** 1990;146(10):543–7 (49 ref.)
Corticospinal, rubrospinal and rubro-olivary projections: a unifying hypothesis [published erratum appears in Trends Neurosci 1991 Jan;14(1):13] Kennedy PR. **Trends Neurosci** 1990 Dec;13(12):474–9 (52 ref.)
The human stretch reflex and the motor cortex. Matthews PB. **Trends Neurosci** 1991 Mar;14(3):87–91 (33 ref.)

PHYSIOPATHOLOGY

Magnetic stimulation of the human cerebral cortex, an indicator of reorganization in motor pathways in certain pathological conditions. Cohen LG, et al. **J Clin Neurophysiol** 1991 Jan;8(1):56–65 (60 ref.)

MOTOR ENDPLATE

EMBRYOLOGY

Compartmentalized transcription of acetylcholine receptor genes during motor endplate epigenesis. Changeux JP. **New Biol** 1991 May;3(5):413–29 (210 ref.)

GROWTH & DEVELOPMENT

Regulation of acetylcholine receptor gene expression by neural factors and electrical activity during motor endplate formation. Changeux JP, et al. **Biochem Soc Symp** 1990; 56:9–12 (31 ref.)

PHYSIOLOGY

Transmitter release: prepackaging and random mechanism or dynamic and deterministic process. Kriebel ME, et al. **Brain Res Brain Res Rev** 1990 May–Aug;15(2):167–78 (94 ref.)
Functional aspects of quantal and non-quantal release of acetylcholine at the neuromuscular junction. Thesleff S. **Prog Brain Res** 1990;84:93–9 (64 ref.)

MOTOR NEURONS

Immunogenetics and motor neuron disease. Antel JP, et al. **Adv Neurol** 1991;56:357–67 (47 ref.)
Autoimmunity and ALS: a comparison of animal models of immune-mediated motor neuron destruction and human ALS. Appel SH, et al. **Adv Neurol** 1991;56:405–12 (35 ref.)
Post-radiation motor neuron syndromes. Bradley WG, et al. **Adv Neurol** 1991;56:341–53 (84 ref.)
Retrograde axonal transport and transcytosis of immunoglobulins: implications for the pathogenesis of autoimmune motor neuron disease. Fabian RH. **Adv Neurol** 1991;56:433–44 (60 ref.)
The neuronal cytoskeleton in disorders of the motor neuron. Griffin JW, et al. **Adv Neurol** 1991;56:103–13 (59 ref.)
Separation of motor neuron diseases from pure motor neuropathies: pathology. Hays AP. **Adv Neurol** 1991; 56:385–98 (94 ref.)
Retrovirus-induced motor neuron disease of mice: molecular basis of neurotropism and paralysis. Jolicoeur P, et al. **Adv Neurol** 1991;56:481–93 (39 ref.)
Viruses and motor neuron diseases. Jubelt B. **Adv Neurol** 1991;56:463–72 (64 ref.)
Cytoskeletal pathology in motor neuron diseases. Leigh PN, et al. **Adv Neurol** 1991;56:115–24 (40 ref.)
Motor neuropathies and motor neuron disorders: association with antiglycolipid antibodies. Pestronk A, et al. **Adv Neurol** 1991;56:427–32 (23 ref.)
Paraneoplastic motor neuron disease. Rosenfeld MR, et al. **Adv Neurol** 1991;56:445–59 (70 ref.)
Monoclonal gammopathy and motor neuron disease. Sadiq SA, et al. **Adv Neurol** 1991;56:413–20 (68 ref.)
Motor neuron syndromes and monoclonal IgM antibodies to gangliosides. Steck AJ, et al. **Adv Neurol** 1991;56:421–5 (23 ref.)
Separating motor neuron diseases from pure motor neuropathies. Multifocal motor neuropathy with persistent conduction block. Sumner AJ. **Adv Neurol** 1991;56:399–403

(21 ref.)
Separating motor neuron diseases from pure motor neuropathies. Clinical clues and definitions. Thomas PK. **Adv Neurol** 1991;56:381–4 (25 ref.)
The epidemiology of primary degenerative dementia and related neurological disorders. Cooper B. **Eur Arch Psychiatry Clin Neurosci** 1991;240(4–5):223–33 (88 ref.)
Poliovirus and motor neuron disease. Martyn CN. **J Neurol** 1990 Oct;237(6):336–8 (29 ref.)
On the possible role of viruses in the aetiology of motor neurone disease: a review. Kennedy PG. **J R Soc Med** 1990 Dec;83(12):784–7 (53 ref.)
[Motor-dominant neuropathy with multifocal conduction block] Sonoo M, et al. **Rinsho Shinkeigaku** 1990 Nov; 30(11):1214–20 (24 ref.) (Eng. Abstr.) **(Jpn)**

CYTOLOGY

Lineage analysis with a recombinant retrovirus: application to chick spinal motor neurons. Leber SM, et al. **Adv Neurol** 1991;56:27–36 (41 ref.)
A review of techniques employed to estimate the number of motor units in a muscle. Slawnych MP, et al. **Muscle Nerve** 1990 Nov;13(11):1050–64 (68 ref.)
Target dependence of motoneuronal survival: the current status. Kuno M. **Neurosci Res** 1990 Dec;9(3):155–72 (175 ref.)

DRUG EFFECTS

Experimental models of aluminum-induced motor neuron degeneration. Garruto RM, et al. **Adv Neurol** 1991; 56:327–40 (82 ref.)
Accurate monitoring of neuromuscular blockade using a peripheral nerve stimulator—a review. Beemer GH, et al. **Anaesth Intensive Care** 1990 Nov;18(4):490–6 (36 ref.)
[Pharmacology of neural mechanisms of the motor system] Fukuda H. **Yakugaku Zasshi** 1991 Mar;111(3):147–57 (32 ref.) (Eng. Abstr.) **(Jpn)**

METABOLISM

Trophic factors for cultured lower motor neurons. Askanas V, et al. **Adv Neurol** 1991;56:37–56 (71 ref.)

PHYSIOLOGY

Parkinson's disease, motoneuron disease and Alzheimer's disease: origins and interrelationship. Calne DB, et al. **Adv Neurol** 1990;53:355–60 (29 ref.)
Altered glutamatergic mechanisms and selective motor neuron degeneration in amyotrophic lateral sclerosis: possible role of glycine. Plaitakis A. **Adv Neurol** 1991; 56:319–26 (46 ref.)
Higher order motor control. Georgopoulos AP. **Annu Rev Neurosci** 1991;14:361–77 (78 ref.)
Plasticity of sensory and motor maps in adult mammals. Kaas JH. **Annu Rev Neurosci** 1991;14:137–67 (158 ref.)
Introduction to the functional anatomy of the mammalian motor unit. Frischknecht R, et al. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):401–15 (60 ref.)
Startle response models of sensorimotor gating and habituation deficits in schizophrenia. Geyer MA, et al. **Brain Res Bull** 1990 Sep;25(3):485–98 (87 ref.)
Motor and premotor structures involved in eye movements. Pierrot-Deseilligny C. **Bull Soc Belge Ophtalmol** 1989; 237:259–83 (114 ref.)
Motorizing the spinal cord. Lumsden A. **Cell** 1991 Feb 8; 64(3):471–3 (21 ref.)
Methodological and physiological aspects of motor evoked potentials. Rossini PM. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:124–33 (47 ref.)
Functional dispositions of the spinal stepping generators and their half-centres. Eke-Okoro ST. **Electromyogr Clin Neurophysiol** 1991 Mar;31(2):81–3 (10 ref.)
Cortical sensorimotor integration: a hypothesis. Batuev AS. **Int J Neurosci** 1989 Jan;44(1–2):53–7 (9 ref.)
Specification of synaptic connections mediating the simple stretch reflex. Frank E, et al. **J Exp Biol** 1990 Oct;153:71–84 (34 ref.)
AAEM minimonograph #3: motor unit recruitment. Petajan JH. **Muscle Nerve** 1991 Jun;14(6):489–502 (99 ref.)
Invited review: electrodiagnostic assessment and monitoring of motor unit changes in disease. Stålberg E. **Muscle Nerve** 1991 Apr;14(4):293–303 (24 ref.)
Changes in alpha motoneuron excitability of the soleus muscle in relation to vestibular stimulation assessed by angular acceleration in man. Scarpini C, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(2):100–5 (35 ref.)
Neural mechanisms underlying corticospinal and rubrospinal control of limb movements. Cheney PD, et al. **Prog Brain Res** 1991;87:213–52 (99 ref.)
A recruitment theory of force-time relations in the production of brief force pulses: the parallel force unit model. Ulrich R, et al. **Psychol Rev** 1991 Apr;98(2):268–94 (95 ref.)
Actions of identified neuromodulatory neurons in a simple motor system. Katz PS, et al. **Trends Neurosci** 1990 Sep; 13(9):367–73 (45 ref.)
Plateau potentials and active integration in the 'final common pathway' for motor behaviour. Kiehn O. **Trends Neurosci** 1991 Feb;14(2):68–73 (49 ref.)
[Control of spinal motor system by descending noradrenergic neuron] Fukuda H, et al. **Nippon Yakurigaku Zasshi** 1990 Jul;96(1):1–9 (48 ref.) (Eng. Abstr.) **(Jpn)**
[Current theories on the neurotropic control (review of the literature)] Khabirov FA, et al. **Zh Nevropatol Psikhiatr** 1991;91(4):113–6 (95 ref.) **(Rus)**

MOTOR SKILLS

Application of motor learning principles in occupational therapy. Poole JL. **Am J Occup Ther** 1991 Jun;45(6):531–7 (49 ref.)
Motor learning concepts applied to activity-based intervention with adults with hemiplegia. Sabari JS. **Am J Occup Ther** 1991 Jun;45(6):523–30 (60 ref.)
Motor skill acquisition. Newell KM. **Annu Rev Psychol** 1991; 42:213–37 (100 ref.)
Manual laterality in nonhuman primates: a distinction between handedness and manual specialization. Fagot J, et al. **Psychol Bull** 1991 Jan;109(1):76–89 (122 ref.)

DRUG EFFECTS

Motor response complications with chronic levodopa therapy. Chase TN, et al. **Adv Neurol** 1990;53:377–81 (32 ref.)
Behavioral and neurochemical studies in diazepam-sensitive and -resistant mice. Gallaher EJ, et al. **J Addict Dis** 1991; 10(1–2):45–60 (29 ref.)

PHYSIOLOGY

Coordination. Turvey MT. **Am Psychol** 1990 Aug; 45(8):938–53 (39 ref.)

MOTTLED ENAMEL

EPIDEMIOLOGY

A critique of topical fluoride methods (dentifrices, mouthrinses, operator-, and self-applied gels) in an era of decreased caries and increased fluorosis prevalence. Ripa LW. **J Public Health Dent** 1991 Winter;51(1):23–41 (185 ref.)

ETIOLOGY

The fluorosis risk index: a method for investigating risk factors. Pendrys DG. **J Public Health Dent** 1990 Fall; 50(5):291–8 (45 ref.)
[Fluorosis due to fluoride in drinking water. A health risk even in Norway?] Løkken P, et al. **Tidsskr Nor Laegeforen** 1991 May 10;111(12):1506–7 (8 ref.) (Eng. Abstr.) **(Nor)**

MOULAGES see **MODELS, ANATOMIC**

MOUNIER-KUHN SYNDROME see **TRACHEOBRONCHOMEGALY**

MOUNTAINEERING

see related
ALTITUDE

Climbing and the older athlete. Hartsock LA, et al. **Clin Sports Med** 1991 Apr;10(2):257–67 (45 ref.)
[Acute mountain sickness] Guijarro Morales A, et al. **An Med Interna** 1990 Jul;7(7):375–8 (26 ref.) (Eng. Abstr.) **(Spa)**

MOURNING see **GRIEF**

MOUSE ENCEPHALOMYELITIS VIRUS see **ENCEPHALOMYELITIS VIRUS, MURINE**

MOUSE LEUKEMIA VIRUSES

GENETICS

Genetic aspects of oncogenesis by murine leukemia viruses in wild mice. Kozak CA, et al. **Crit Rev Oncog** 1989; 1(2):127–44 (138 ref.)

MOUSE MAMMARY TUMOR VIRUS see **MAMMARY CANCER VIRUS**

MOUTH

Factors affecting ability to resume oral nutrition in the oropharyngeal dysphagic individual. Logemann JA. **Dysphagia** 1990;4(4):202–8 (24 ref.)

INJURIES

Self-inflected oral injuries and suicidal ideation secondary to loss of teeth. Watkins KV. **N Y State Dent J** 1991 May; 57(5):21–3 (12 ref.)
Diagnosing and treating common oral pathologies. Dilley DC, et al. **Pediatr Clin North Am** 1991 Oct;38(5):1227–64 (33 ref.)

INNERVATION

Perioral somesthetic sensibility: do the skin of the lower face and the midface exhibit comparable sensitivity? [see comments] Rath EM, et al. **J Oral Maxillofac Surg** 1990 Nov;48(11):1181–90 (75 ref.) Comment in: J Oral Maxillofac Surg 1991 Jul;49(7):779–80.
The basal ganglia–orofacial system: studies on neurobehavioral plasticity and sensory-motor tuning. Huston JP, et al. **Neurosci Biobehav Rev** 1990 Winter; 14(4):433–46 (123 ref.)

MICROBIOLOGY

Effects of sanguinarine and Sanguinaria extract on the microbiota associated with the oral cavity. Walker C. **J Can Dent Assoc** 1990;56(7 Suppl):13–30 (24 ref.)
Studies of "BLIS-ful" oral bacteria. Tagg JR. **N Z Dent J** 1991 Jan;87(387):14–6 (11 ref.)
[Oral bacterial flora and its pathogenic potential] Madinier I. **J Biol Buccale** 1991 Mar;19(1):3–15 (80 ref.) (Eng. Abstr.) **(Fre)**
[Sugar and caries] Ketterl W. **Z Ernahrungswiss** 1990;29 Suppl 1:11–5 (12 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Calcium phosphates in oral biology and medicine. LeGeros RZ. **Monogr Oral Sci** 1991;15:1–201 (431 ref.)
[Dynamic study of oro-pharyngeal deglutition] Fanucci A, et al. **Radiol Med (Torino)** 1991 Mar;81(3):276–85 (14 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Measurement of maximal static respiratory pressures at the mouth with different air leaks. Mayos M, et al. **Chest** 1991 Aug;100(2):364–6 (12 ref.)

SURGERY

An improved technique for development of the pectoralis major myocutaneous flap. Marx RE, et al. **J Oral Maxillofac Surg** 1990 Nov;48(11):1168–80 (19 ref.)

MOUTH ABNORMALITIES

Syndrome delineation involving orofacial clefting. Cohen MM Jr, et al. **Cleft Palate Craniofac J** 1991 Jan;28(1):119–20 (13 ref.)

GENETICS

EEC syndrome: report on 20 new patients, clinical and genetic considerations. Rodini ES, et al. **Am J Med Genet** 1990 Sep;37(1):42–53 (93 ref.)

PATHOLOGY

Structural abnormalities of the craniofacial complex and congenital malformations. Poole AE, et al. **Pediatr Clin North Am** 1991 Oct;38(5):1089–125 (24 ref.)

SURGERY

Partial duplication of the face: case report and review. Verdi GD, et al. **Plast Reconstr Surg** 1991 Apr;87(4):759–62 (25 ref.)

MOUTH BREATHING

COMPLICATIONS

Upper airway obstruction and craniofacial morphology. Principato JJ. **Otolaryngol Head Neck Surg** 1991 Jun; 104(6):881–90 (58 ref.)

MOUTH DISEASES

see related
DIAGNOSIS, ORAL
ORAL HEALTH

Oral lichen planus. A review. Jungell P. **Int J Oral Maxillofac Surg** 1991 Jun;20(3):129–35 (155 ref.)
Oral melanoma and other pigmented lesions of the oral cavity. Eisen D, et al. **J Am Acad Dermatol** 1991 Apr; 24(4):527–37 (121 ref.)
Facts about AIDS for the dental team. **J Am Dent Assoc** 1991 Jul;Suppl:1–14 (46 ref.)
Human papillomavirus (HPV) infections and their associations with oral disease. Chang F, et al. **J Oral Pathol Med** 1991 Aug;20(7):305–17 (173 ref.)
Orofacial odontogenic infections: review of microbiology and current treatment. Gill Y, et al. **Oral Surg Oral Med Oral Pathol** 1990 Aug;70(2):155–8 (61 ref.)

CHEMICALLY INDUCED

Allergy to dental materials with special reference to the use of amalgam and polymethylmethacrylate. Kaaber S. **Int Dent J** 1990 Dec;40(6):359–65 (58 ref.)
The effects of tartar-control toothpaste on the oral soft tissues. Kowitz G, et al. **Oral Surg Oral Med Oral Pathol** 1990 Oct;70(4):529–36 (30 ref.)

COMPLICATIONS

Oral lesions of HIV infections: features and therapy. Greenspan D, et al. **AIDS Clin Rev** 1990;:81–93 (40 ref.)

AIDS update. Oral manifestations and management. Silverman S Jr. **Dent Clin North Am** 1991 Apr;35(2):259–67 (32 ref.)

Oral manifestations of HIV infection. Greenspan D, et al. **Dermatol Clin** 1991 Jul;9(3):517–22 (43 ref.)

Skin and gullet. Walton S, et al. **Gut** 1991 Jun;32(6):694–7 (33 ref.)

Oral manifestations of AIDS: an overview. van der Waal I, et al. **Int Dent J** 1991 Feb;41(1):3–8 (4 ref.)

The oral manifestations of HIV infection. Jordan RC, et al. **J Can Dent Assoc** 1991 Jan;57(1):59–61 (13 ref.)

Oral manifestations of HIV infection and their management. I. More common lesions. Scully C, et al. **Oral Surg Oral Med Oral Pathol** 1991 Feb;71(2):158–66 (165 ref.)

Oral manifestations of HIV infection and their management. II. Less common lesions. Scully C, et al. **Oral Surg Oral Med Oral Pathol** 1991 Feb;71(2):167–71 (96 ref.)

DIAGNOSIS

Imaging of the oropharynx and oral cavity. Lenz M, et al. **Curr Opin Radiol** 1991 Feb;3(1):67–75 (11 ref.)

Diagnosing and treating common oral pathologies. Dilley DC, et al. **Pediatr Clin North Am** 1991 Oct;38(5):1227–64 (33 ref.)

Oral mucosa. Flint S. **Practitioner** 1991 Jan;235(1498):56–63 (4 ref.)

DRUG THERAPY

Common inflammatory diseases of the mouth. Conklin RJ, et al. **Int J Dermatol** 1991 May;30(5):323–35 (189 ref.)

Treatment of oral lichen planus [editorial] **Lancet** 1990 Oct 13;336(8720):913–4 (20 ref.)

EPIDEMIOLOGY

Epidemiologic studies of oral mucosal conditions—methodologic issues. Kleinman DV, et al. **Community Dent Oral Epidemiol** 1991 Jun;19(3):129–40 (120 ref.)

ETIOLOGY

Oral manifestations of HIV disease. Smith D, et al. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):315–37 (100 ref.)

Hairy leukoplakia and other oral features of HIV infection. Greenspan JS, et al. **Immunol Ser** 1989;44:449–65 (39 ref.)

Oral manifestations of Crohn's disease. An analysis of 79 cases. Plauth M, et al. **J Clin Gastroenterol** 1991 Feb; 13(1):29–37 (79 ref.)

[Oral ulcerative lesions in young adults] Fanali S, et al. **Minerva Stomatol** 1990 Aug;39(8):657–69 (60 ref.) (Eng. Abstr.) **(Ita)**

GENETICS

In situ hybridization using single-stranded antisense RNA probes in oral pathology research. Heikinheimo K, et al. **Proc Finn Dent Soc** 1991;87(2):245–57 (42 ref.)

IMMUNOLOGY

Elucidating the pathogenesis of autoimmune disease: recent advances at the molecular level and relevance to oral mucosal disease. Jonsson R, et al. **J Oral Pathol Med** 1990 Sep;19(8):341–50 (82 ref.)

Immunopathogenesis of oral lichen planus. Walsh LJ, et al. **J Oral Pathol Med** 1990 Oct;19(9):389–96 (87 ref.)

MICROBIOLOGY

[Microbiologic diagnosis, antibacterial chemotherapy and prevention in dental care—a review] Handrick W, et al. **Z Arztl Fortbild (Jena)** 1991 Apr 25;85(8):353–8 (57 ref.) **(Ger)**

PATHOLOGY

Oral manifestations of disseminated histoplasmosis in acquired immunodeficiency syndrome: report of two cases and review of the literature. Eisig S, et al. **J Oral Maxillofac Surg** 1991 Mar;49(3):310–3 (16 ref.)

[Oral manifestations of skin diseases] Zucker J, et al. **J Can Dent Assoc** 1990 Sep;56(9):867–71 (20 ref.) (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Edentulism and preventive goals in the treatment of mutilated dentition. Kalk W, et al. **Int Dent J** 1990 Oct;40(5):267–74 (18 ref.)

The pediatrician's involvement in prevention and treatment of oral disease in medically compromised children. Cooley RO, et al. **Pediatr Clin North Am** 1991 Oct;38(5):1265–88 (54 ref.)

RADIOGRAPHY

Fine-detail panoramic radiography by free-focus radiography. A clinical demonstration of diagnostic radiographs. Jensen TW. **Oral Surg Oral Med Oral Pathol** 1990 Oct;70(4):502–15 (21 ref.)

SURGERY

A new approach for repair of oro-antral-nasal fistulae. The anteriorly based buccinator myomucosal island flap. Carstens MH, et al. **J Craniomaxillofac Surg** 1991 Feb; 19(2):64–70 (40 ref.)

THERAPY

An ABC of oral health care in patients with HIV infection. Scully C, et al. **Br Dent J** 1991 Feb 23;170(4):149–50 (18 ref.)

MOUTH DRYNESS see **XEROSTOMIA**

MOUTH, EDENTULOUS

see related
DENTURE, COMPLETE
SURGERY, ORAL, PREPROSTHETIC

Prosthodontics. Clinical practice—delivery of services. Review of the literature. Douglass CW. **J Prosthet Dent** 1990 Sep;64(3):275–83 (28 ref.)

COMPLICATIONS

Practical management of internal derangements of the temporomandibular joint in partially and completely edentulous patients. Robson FC. **J Prosthet Dent** 1991 Jun; 65(6):828–32 (29 ref.)

PHYSIOPATHOLOGY

The prevalence of craniomandibular disorders in completely edentulous denture-wearing subjects. Mercado MD, et al. **J Oral Rehabil** 1991 May;18(3):231–42 (35 ref.)

REHABILITATION

Edentulism and preventive goals in the treatment of mutilated dentition. Kalk W, et al. **Int Dent J** 1990 Oct;40(5):267–74 (18 ref.)

MOUTH FLOOR

Enteric duplication in the oral cavity. Awouters P, et al. **Int J Oral Maxillofac Surg** 1991 Feb;20(1):12–4 (17 ref.)

[Carcinoma cuniculatum. Apropos of 4 cases with orofacial involvement] Kahn JL, et al. **Rev Stomatol Chir Maxillofac** 1991;92(1):27–33 (31 ref.) (Eng. Abstr.) **(Fre)**

MOUTH MUCOSA

Epidemiologic studies of oral mucosal conditions—methodologic issues. Kleinman DV, et al. **Community Dent Oral Epidemiol** 1991 Jun;19(3):129–40 (120 ref.)

[Inflammatory and systemic reactions of the mouth mucosa] Hornstein OP. **Arch Otorhinolaryngol** 1976;213(1):287–331 (72 ref.) (Eng. Abstr.) **(Ger)**

[Virus diseases of the mouth mucosa] Nasemann T. **Arch Otorhinolaryngol** 1976;213(1):333–62 (17 ref.) (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

[The anatomicophysiological characteristics of the minor salivary glands in the oral mucosa] Banchenko GV, et al. **Stomatologiia (Mosk)** 1991 Mar-Apr;(2):90–3 (61 ref.) **(Rus)**

DRUG EFFECTS

Reactions of the oral mucosa related to silver amalgam: a review. Holmstrup P. **J Oral Pathol Med** 1991 Jan;20(1):1–7 (86 ref.)

The effects of tartar-control toothpaste on the oral soft tissues. Kowitz G, et al. **Oral Surg Oral Med Oral Pathol** 1990 Oct;70(4):529–36 (30 ref.)

MICROBIOLOGY

The role of herpes simplex virus in the development of oral mucositis in bone marrow transplant recipients. Woo SB, et al. **Cancer** 1990 Dec 1;66(11):2375–9 (19 ref.)

PATHOLOGY

Dysplasia of oral mucosa: a unified approach to proper evaluation. Krutchkoff DJ, et al. **Mod Pathol** 1991 Jan; 4(1):113–9 (37 ref.)

PHYSIOPATHOLOGY

Evaluation of some electrical methods for objective assessment of oral mucosal dryness. Henricsson V, et al. **Scand J Dent Res** 1990 Dec;98(6):520–8 (31 ref.)

RADIATION EFFECTS

Estimation of repair parameters in mouse lip mucosa during continuous and fractionated low dose-rate irradiation. Stüben G, et al. **Radiother Oncol** 1991 Jan;20(1):38–45 (26 ref.)

ULTRASTRUCTURE

Scanning electron microscopic studies of the oral tissue responses to dental implants. Steflik DE, et al. **Scanning Microsc** 1990 Dec;4(4):1021–37; discussion 1037–8 (61 ref.)

MOUTH NEOPLASMS

Enteric duplication in the oral cavity. Awouters P, et al. **Int J Oral Maxillofac Surg** 1991 Feb;20(1):12–4 (17 ref.)

Oral melanoma and other pigmented lesions of the oral cavity. Eisen D, et al. **J Am Acad Dermatol** 1991 Apr; 24(4):527–37 (121 ref.)

Liposarcoma arising in the cheek: report of a case and review of the literature. Charnock DR, et al. **J Oral Maxillofac Surg** 1991 Mar;49(3):298–300 (22 ref.)

Human papillomavirus (HPV) infections and their associations with oral disease. Chang F, et al. **J Oral Pathol Med** 1991 Aug;20(7):305–17 (173 ref.)

[Carcinoma cuniculatum. Apropos of 4 cases with orofacial involvement] Kahn JL, et al. **Rev Stomatol Chir Maxillofac** 1991;92(1):27–33 (31 ref.) (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Experimental oral carcinogenesis. A basic rat model for the study of oral carcinogenesis using the carcinogen 4-nitroquinoline 1-oxide. Fisker AV. **Dan Med Bull** 1990 Oct;37(5):433–42 (125 ref.)

DIAGNOSIS

Reviewing oral leukoplakia: clinical concepts for the 1990s. Bouquot JE. **J Am Dent Assoc** 1991 Jun;122(7):80–2 (23 ref.)

[Primary malignant melanoma of the oral cavity: a case report and review] Hoenig JF, et al. **Schweiz Monatsschr Zahnmed** 1991;101(8):997–1001 (45 ref.) (Eng. Abstr.) **(Ger)**

[Multiple primary neoplasms. A report of a case with dental involvement] Nardi P, et al. **Minerva Stomatol** 1990 Jul; 39(7):521–4 (6 ref.) (Eng. Abstr.) **(Ita)**

[Angiosarcoma of the oral cavity. A clinical case report and review of the literature] Piattelli A, et al. **Minerva Stomatol** 1990 Nov;39(11):951–7 (38 ref.) (Eng. Abstr.) **(Ita)**

EPIDEMIOLOGY

Epidemiology of mouth cancer in 1989: a review [see comments] Boyle P, et al. **J R Soc Med** 1990 Nov; 83(11):724–30 (59 ref.) Comment in: J R Soc Med 1991 Jun;84(6):386.

[Epidemiology and etiopathogenesis of oral carcinoma: current aspects] Reychler H. **Acta Stomatol Belg** 1990 Sep; 87(3):157–65 (93 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

The oral manifestations of HIV infection. Jordan RC, et al. **J Can Dent Assoc** 1991 Jan;57(1):59–61 (13 ref.)

Oral manifestations of HIV infection and their management. II. Less common lesions. Scully C, et al. **Oral Surg Oral Med Oral Pathol** 1991 Feb;71(2):167–71 (96 ref.)

Oral manifestations of HIV infection and their management. I. More common lesions. Scully C, et al. **Oral Surg Oral Med Oral Pathol** 1991 Feb;71(2):158–66 (165 ref.)

Alcohol and cancer. Tuyns AJ. **Proc Nutr Soc** 1990 Jul; 49(2):145–51 (33 ref.)

[Occupation and cancer of the oral cavity, pharynx and larynx] Maier H, et al. **HNO** 1990 Aug;38(8):271–8 (98 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

Oncogene expression and oral cancer. Pillai R, et al. **J Surg Oncol** 1991 Jun;47(2):102–8 (54 ref.)

IMMUNOLOGY

Immunological abnormalities in oral precancers. Pillai R, et al. **Cancer Lett** 1991 Apr;57(1):1–6 (43 ref.)

PREVENTION & CONTROL

Potential role of beta-carotene in prevention of oral cancer. Garewal HS. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):294S–297S (33 ref.)

Remission of precancerous lesions in the oral cavity of tobacco chewers and maintenance of the protective effect of beta-carotene or vitamin A. Stich HF, et al. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):298S–304S (45 ref.)

Oral cancer screening in the elderly. Fedele DJ, et al. **J Am Geriatr Soc** 1991 Sep;39(9):920–5 (34 ref.)

RADIOGRAPHY

[Metastatic localization in the buccal cavity. Case report and literature review] Chossegros C, et al. **Rev Stomatol Chir Maxillofac** 1991;92(3):160–4 (17 ref.) (Eng. Abstr.) **(Fre)**

RADIOTHERAPY

Radiation therapy for squamous cell carcinomas of the oral cavity and oropharynx: a review of recent techniques. Janjan NA, et al. **Cancer Treat Rev** 1990 Mar;17(1):89–101 (83 ref.)

Effect of dose rate on local control and complications in definitive irradiation of T1–2 squamous cell carcinomas of mobile tongue and floor of mouth with interstitial iridium–192. Mazeron JJ, et al. **Radiother Oncol** 1991 May; 21(1):39–47 (41 ref.)

Stage I–II squamous cell carcinoma of the oral cavity treated by iridium–192: is elective neck dissection indicated? Piedbois P, et al. **Radiother Oncol** 1991 Jun;21(2):100–6 (30 ref.)

Combined external beam irradiation and interstitial radiotherapy of T1–T2 cancers of the mobile tongue and floor of mouth. Montemaggi P, et al. **Rays** 1991 Jan–Mar; 16(1):53–8 (6 ref.) **(Eng, Ita)**

SECONDARY

Metastatic retinoblastoma to the orofacial region. Ebata K, et al. **J Oral Maxillofac Surg** 1991 Oct;49(10):1120–3 (15 ref.)

THERAPY

[Prognosis in buccal cancer: up–to–date review] Reychler H. **Acta Stomatol Belg** 1990 Dec;87(4):249–56 (98 ref.) **(Fre)**

[Progress in diagnosis and therapy in oral cancer] Shioda S. **Kokubyo Gakkai Zasshi** 1991 Mar;58(1):1–7 (10 ref.) **(Jpn)**

MOUTH–TO–MOUTH RESUSCITATION see **RESUSCITATION**

MOUTHWASHES

see related
DENTIFRICES

Sanguinaria toothpaste and oral rinse regimen clinical efficacy in short– and long–term trials. Kuftinec MM, et al. **J Can Dent Assoc** 1990;56(7 Suppl):31–3 (37 ref.)

New perspectives on Sanguinaria clinicals: individual toothpaste and oral rinse testing. Laster LL, et al. **J Can Dent Assoc** 1990;56(7 Suppl):19–30 (24 ref.)

[Chemical control of plaque: comparative review] Marechal M. **Rev Belge Med Dent** 1991;46(2):51–8 (26 ref.) (Eng. Abstr.) **(Fre)**

MOVEMENT

see related
IMMOBILIZATION

Protein motors and Maxwell's demons: does mechanochemical transduction involve a thermal ratchet? Vale RD, et al. **Adv Biophys** 1990;26:97–134 (63 ref.)

[Static and dynamic loading measurements of the post–traumatic foot] Mittlmeier T, et al. **Orthopade** 1991 Mar;20(1):22–32 (73 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Control of voluntary trunk movements in man. Mechanisms for postural equilibrium during standing. Oddsson LI. **Acta Physiol Scand Suppl** 1990;595:1–60 (290 ref.)

Forelimb movements in the cat; kinetic features and neuronal control. Pettersson LG. **Acta Physiol Scand Suppl** 1990; 594:1–60 (85 ref.)

Electroencephalographic and magnetoencephalographic studies of motor function. Weinberg H, et al. **Adv Neurol** 1990;54:193–205 (56 ref.)

Developmental time course in human infants and infant monkeys, and the neural bases of, inhibitory control in reaching. Diamond A. **Ann N Y Acad Sci** 1990;608:637–69; discussion 669–76 (76 ref.)

The Kugelberg lecture. Brain mechanisms of voluntary motor commands—a review. Porter R. **Electroencephalogr Clin Neurophysiol** 1990 Oct; 76(4):282–93 (31 ref.)

Dynamics of pathological motion: applied to the anterior cruciate deficient knee. Andriacchi TP. **J Biomech** 1990; 23 Suppl 1:99–105 (42 ref.)

Motor skill acquisition. Higgins S. **Phys Ther** 1991 Feb; 71(2):123–39 (63 ref.)

What is repeated in a repetition? Effects of practice conditions on motor skill acquisition. Lee TD, et al. **Phys Ther** 1991 Feb;71(2):150–6 (28 ref.)

Motivational considerations in physical activity involvement. Lewthwaite R. **Phys Ther** 1990 Dec;70(12):808–19 (98 ref.)

A process–oriented model of human motor behavior: toward a theory–based rehabilitation approach. Mulder T. **Phys Ther** 1991 Feb;71(2):157–64 (87 ref.)

Life–span development in functional tasks. VanSant AF. **Phys Ther** 1990 Dec;70(12):788–98 (50 ref.)

Knowledge of results and motor learning—implications for physical therapy. Winstein CJ. **Phys Ther** 1991 Feb; 71(2):140–9 (67 ref.)

Neural mechanisms underlying corticospinal and rubrospinal control of limb movements. Cheney PD, et al. **Prog Brain Res** 1991;87:213–52 (99 ref.)

Descending motor pathways and the spinal motor system: limbic and non–limbic components. Holstege G. **Prog Brain Res** 1991;87:307–421 (546 ref.)

Premotor area and preparation of movement. Freund HJ. **Rev Neurol (Paris)** 1990;146(10):543–7 (49 ref.)

Brain regions involved in voluntary movements as revealed by radioisotopic mapping of CBF or CMR–glucose changes. Lassen NA, et al. **Rev Neurol (Paris)** 1990; 146(10):620–5 (32 ref.)

Computations underlying the execution of movement: a biological perspective. Bizzi E, et al. **Science** 1991 Jul 19; 253(5017):287–91 (20 ref.)

[From posture to initiation of movement] Agid Y. **Rev Neurol (Paris)** 1990;146(10):536–42 (46 ref.) (Eng. Abstr.) **(Fre)**

[Dynamic balance in the prevention of growth disorders] Martini G, et al. **Clin Ter** 1990 Jun 30;133(6):405–11 (20 ref.) (Eng. Abstr.) **(Ita)**

MOVEMENT, CELL see **CELL MOVEMENT**

MOVEMENT DISORDERS

see related
PSYCHOMOTOR DISORDERS

Involuntary movements. Paulson OB. **Tohoku J Exp Med** 1990 Aug;161 Suppl:21–7 (0 ref.)

COMPLICATIONS

Motor disorders in patients with human immunodeficiency virus infection. Nath A, et al. **Prog AIDS Pathol** 1989; 1:159–66 (39 ref.)

DIAGNOSIS

Separation of motor neuron diseases from pure motor neuropathies: pathology. Hays AP. **Adv Neurol** 1991; 56:385–98 (94 ref.)

Separating motor neuron diseases from pure motor neuropathies. Multifocal motor neuropathy with persistent conduction block. Sumner AJ. **Adv Neurol** 1991;56:399–403 (21 ref.)

Separating motor neuron diseases from pure motor neuropathies. Clinical clues and definitions. Thomas PK. **Adv Neurol** 1991;56:381–4 (25 ref.)

[Masked psychopathological conditions imitating pathology of the locomotor system (review of the literature)] Ostroglazov VG, et al. **Zh Nevropatol Psikhiatr** 1991; 91(4):121–8 (134 ref.) **(Rus)**

DRUG THERAPY

MIF–induced augmentation of melatonin functions: possible relevance to mechanisms of action of MIF–1 in movement disorders. Sandyk R. **Int J Neurosci** 1990 May; 52(1–2):59–65 (55 ref.)

Antimuscarinic drugs in the treatment of movement disorders. Fahn S, et al. **Prog Brain Res** 1990;84:389–97 (44 ref.)

ETIOLOGY

[Akinesia and associated motor involvement in Parkinson's disease and basal ganglia lesions] Rondot P. **Rev Neurol (Paris)** 1990;146(10):591–9 (71 ref.) (Eng. Abstr.) **(Fre)**

[Evaluating gait disorders in geriatrics] Bopp I, et al. **Ther Umsch** 1991 May;48(5):293–300 (17 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Hemiballismus. Shannon KM. **Clin Neuropharmacol** 1990 Oct; 13(5):413–25 (90 ref.)

PHYSIOPATHOLOGY

Muscle pain, dyskinesia, and sleep. Lavigne GJ, et al. **Can J Physiol Pharmacol** 1991 May;69(5):678–82 (49 ref.)

Disorders of movement and behaviour during sleep. Ambrogetti A, et al. **Med J Aust** 1991 Sep 2;155(5):336–40 (27 ref.)

Strategies underlying the control of disordered movement. Corcos DM. **Phys Ther** 1991 Jan;71(1):25–38 (58 ref.)

Brain nervous mechanisms involved in the so–called extra pyramidal motor and psychomotor disturbances. Poirier L, et al. **Prog Neurobiol** 1975;5(2):197–243 (337 ref.)

Premotor area and preparation of movement. Freund HJ. **Rev Neurol (Paris)** 1990;146(10):543–7 (49 ref.)

Clinical neurophysiology of akinesia. Hallett M. **Rev Neurol (Paris)** 1990;146(10):585–90 (39 ref.)

[Motor neglect: issues and prospects] Paillard J. **Rev Neurol (Paris)** 1990;146(10):600–11 (78 ref.) (Eng. Abstr.) **(Fre)**

[Anatomo–physiologic substratum of akinesia in primates] Percheron G, et al. **Rev Neurol (Paris)** 1990;146(10):575–84 (64 ref.) (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

The scintigraphic evaluation of Huntington's disease and other movement disorders using single photon emission computed tomography perfusion brain scans. Nagel JS, et al. **Semin Nucl Med** 1991 Jan;21(1):11–23 (70 ref.)

REHABILITATION

A new challenge—robotics in the rehabilitation of the neurologically motor impaired. van Vliet P, et al. **Phys Ther** 1991 Jan;71(1):39–47 (54 ref.)

THERAPY

Hemiballismus. Shannon KM. **Clin Neuropharmacol** 1990 Oct; 13(5):413–25 (90 ref.)

MOXALACTAM

CHEMICAL SYNTHESIS

[Studies on oxacephems, an artificial type of beta–lactam antibiotics] Nagata W, et al. **Yakugaku Zasshi** 1991 Feb; 111(2):77–102 (48 ref.) (Eng. Abstr.) **(Jpn)**

MOYAMOYA DISEASE

DIAGNOSIS

[Characteristic EEG—findings in moyamoya syndrome in children: case report and overview] Kurlemann G, et al. **EEG EMG** 1990 Sep;21(3):134–6 (14 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

[One pedigree of "moyamoya" disease] Iwamoto T, et al. **No Shinkei Geka** 1991 Aug;19(8):781–7 (20 ref.) (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

[Moyamoya syndrome. An unusual case report in an 8–year–old boy and review of the literature (published erratum appears in Klin Padiatr 1991 May–Jun;203(3):192)] Bialek R, et al. **Klin Padiatr** 1991 Jan–Feb;203(1):39–44 (44 ref.) (Eng. Abstr.) **(Ger)**

MPGN see **GLOMERULONEPHRITIS, MEMBRANOPROLIFERATIVE**

MPTP see **1–METHYL–4–PHENYL–1,2,3,6–TETRAHYDROPYRIDINE**

MR SPECTROSCOPY see **NUCLEAR MAGNETIC RESONANCE**

MR TOMOGRAPHY see **MAGNETIC RESONANCE IMAGING**

MRNA see **RNA, MESSENGER**

MSG see **SODIUM GLUTAMATE**

MSH

PHARMACOLOGY

Neurotoxic acrylamide and neurotrophic melanocortin peptides—can contrasting actions provide clues about modes of action? Edwards PM, et al. **Neuropathol Appl Neurobiol** 1991 Apr;17(2):91–104 (66 ref.)

PHYSIOLOGY

Melanocyte–stimulating hormone and persistent tardive dyskinesia: a hypothesis. Sandyk R. **Int J Neurosci** 1990 Mar;51(1–2):45–52 (59 ref.)

[Importance and function of the melanocyte–stimulating hormone in malignant melanoma. Importance of MSH] Beyer C, et al. **Dermatol Monatsschr** 1990;176(10):589–96 (38 ref.) (Eng. Abstr.) **(Ger)**

SECRETION

Regulation of MSH secretion by neuropeptide Y in amphibians. Danger JM, et al. **Ann N Y Acad Sci** 1990; 611:302–16 (61 ref.)

MSH, ALPHA see **ALPHA–MSH**

MSH RELEASE INHIBITING FACTOR see **MSH RELEASE INHIBITING HORMONE**

MSH RELEASE INHIBITING HORMONE

PHARMACOLOGY

MIF–induced augmentation of melatonin functions: possible relevance to mechanisms of action of MIF–1 in movement disorders. Sandyk R. **Int J Neurosci** 1990 May; 52(1–2):59–65 (55 ref.)

MUCINS

Cutaneous mucinosis in a patient with eosinophilia–myalgia syndrome associated with L–tryptophan ingestion [letter] Dubin DB, et al. **Arch Dermatol** 1990 Nov;126(11):1517–8 (7 ref.)

The new cutaneous mucinoses: a review with an up–to–date classification of cutaneous mucinoses. Rongioletti F, et al.

J Am Acad Dermatol 1991 Feb;24(2 Pt 1):265–70 (34 ref.)

ANALYSIS

The structure of human intestinal apomucins. Kim YS, et al. **Am Rev Respir Dis** 1991 Sep;144(3 Pt 2):S10–4 (14 ref.)
The carbohydrate diversity of human respiratory mucins: a protection of the underlying mucosa? Lamblin G, et al. **Am Rev Respir Dis** 1991 Sep;144(3 Pt 2):S19–24 (44 ref.)
Mucin glycoproteins as tumor markers. Feller WF, et al. **Immunol Ser** 1990;53:631–72 (299 ref.)

BLOOD

[Mucin markers in metastatic breast cancer] Bieglmayer C, et al. **Gynakol Rundsch** 1990;30 Suppl 1:142–4 (0 ref.) **(Ger)**

CHEMISTRY

Mucin structure. The structure and heterogeneity of respiratory mucus glycoproteins. Sheehan JK, et al. **Am Rev Respir Dis** 1991 Sep;144(3 Pt 2):S4–9 (63 ref.)

GENETICS

Structure and biology of a carcinoma-associated mucin, MUC1. Gendler SJ, et al. **Am Rev Respir Dis** 1991 Sep; 144(3 Pt 2):S42–7 (54 ref.)
Mucin in disease. Modification of mucin gene expression in airway disease. Jany B, et al. **Am Rev Respir Dis** 1991 Sep; 144(3 Pt 2):S38–41 (51 ref.)
Structural features of the core proteins of human airway mucins ascertained by cDNA cloning. Porchet N, et al. **Am Rev Respir Dis** 1991 Sep;144(3 Pt 2):S15–8 (28 ref.)

IMMUNOLOGY

Mucinic tumor markers recognized by monoclonal antibodies. Seregni E, et al. **J Nucl Med Allied Sci** 1990 Oct–Dec;34(4):314–20 (31 ref.)

METABOLISM

Mucin exocytosis. Verdugo P. **Am Rev Respir Dis** 1991 Sep; 144(3 Pt 2):S33–7 (61 ref.)
The clinical and biological significance of the transitional mucosa adjacent to colorectal cancer. Wang QA, et al. **Jpn J Surg** 1991 May;21(3):253–61 (62 ref.)

PHYSIOLOGY

Gallbladder mucin as a pronucleating agent for cholesterol monohydrate crystals in bile. Smith BF. **Hepatology** 1990 Sep;12(3 Pt 2):183S–186S; discussion 186S–188S (17 ref.)

SECRETION

[Mucin-producing pancreatic cancer] Morioka K. **Nippon Geka Gakkai Zasshi** 1991 Jul;92(7):765–70 (22 ref.) **(Jpn)**

MUCOCELE

see related
RANULA

Mucoceles of the sphenoidal sinus. Report of six cases and review of the literature. Barat JL, et al. **J Neuroradiol** 1990; 17(2):135–51 (44 ref.) **(Eng, Fre)**
[A mucoid pseudo-cyst of the peripheral nerve. Apropos of a surgical case] Prevot J, et al. **Chir Pediatr** 1990; 31(3):181–4 (13 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

[Gelatinous disease of the peritoneum of appendiceal origin. Apropos of 2 Senegalese cases] Peghini M, et al. **Dakar Med** 1989;34(1–4):8–11 (7 ref.) (Eng. Abstr.) **(Fre)**

[Irreversible bilateral amaurosis secondary to the course of ethmofrontal mucocele] Vallés H, et al. **Acta Otorrinolaringol Esp** 1990 Jul–Aug;41(4):257–60 (10 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

[Malignant nasal oncocytoma disclosed by mucocele of the lacrimal sac with hemolacrimia] Fayet B, et al. **J Fr Ophtalmol** 1990;13(3):153–8 (18 ref.) **(Fre)**

MUCOCILIARY CLEARANCE

[The significance of disorders of tracheobronchial clearance in the development and course of chronic nonspecific lung diseases] Belova GV, et al. **Klin Med (Mosk)** 1990 Oct; 68(10):9–13 (23 ref.) **(Rus)**

PHYSIOLOGY

The fate of inhaled aerosols: a review of observed trends and some generalizations. Vincent JH. **Ann Occup Hyg** 1990 Dec;34(6):623–37 (30 ref.)
Ciliary adaptations for the propulsion of mucus. Sleigh MA. **Biorheology** 1990;27(3–4):527–32 (24 ref.)
Nasal transit time in normal subjects and pathologic conditions. Englender M, et al. **Otolaryngol Head Neck Surg** 1990 Dec;103(6):909–12 (18 ref.)
Mucociliary clearance in the lung. Mortensen J. **Rev Med Chir Soc Med Nat Iasi** 1990 Jan–Mar;94(1):9–17 (30 ref.)
Functional morphology of the tracheobronchial tree and the lung periphery. Eckert H. **Z Erkr Atmungsorgane** 1991; 176(2–3):87–90 (7 ref.)
[Bronchial clearance] Köhler D, et al. **Pneumologie** 1991 May;45(5):314–32 (294 ref.) **(Ger)**
[Airway mucociliary transport] Takizawa Y. **Arerugi** 1990 Dec;39(12):1549–55 (9 ref.) **(Jpn)**

MUCOCILIARY TRANSPORT see **MUCOCILIARY CLEARANCE**

MUCOCUTANEOUS LYMPH NODE SYNDROME

Kawasaki syndrome. Esterly NB, et al. **Australas J Dermatol** 1990;31(2):61–71 (49 ref.)
New developments in Kawasaki disease. Leung DY. **Curr Opin Rheumatol** 1991 Feb;3(1):46–55 (70 ref.)
Kawasaki disease. Sundel R, et al. **Curr Opin Rheumatol** 1990 Feb;2(1):81–6 (22 ref.)
Diagnosis and management of Kawasaki disease. Gersony WM. **JAMA** 1991 May 22–29;265(20):2699–703 (42 ref.)
[Kawasaki disease: between mystery and reality. A clinical contribution] Zanchetta S, et al. **Pediatr Med Chir** 1990 May–Jun;12(3):243–50 (80 ref.) (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Use of intravenous immunoglobulin in various medical conditions. A Japanese experience. Abe T, et al. **Cancer** 1991 Sep 15;68(6 Suppl):1454–9 (13 ref.)
Kawasaki syndrome—cardiovascular manifestations. Rose V. **J Rheumatol Suppl** 1990 Sep;24:11–4 (20 ref.)
Percutaneous transluminal coronary angioplasty for Kawasaki disease: a case report and literature review. Ino T, et al. **Pediatr Cardiol** 1991 Jan;12(1):33–5 (10 ref.)
[Meningoencephalitis in Kawasaki disease] Takagi K, et al. **No To Hattatsu** 1990 Sep;22(5):429–35 (20 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Peritonsillar abscess in Kawasaki disease. Rothfield RE, et al. **Int J Pediatr Otorhinolaryngol** 1990 Sep;20(1):73–9 (9 ref.)

ETIOLOGY

Kawasaki disease and vasculopathies. Cuttica RJ. **Curr Opin Rheumatol** 1990 Oct;2(5):809–16 (29 ref.)
Association of rug shampooing and Kawasaki disease. Daniels SR, et al. **J Pediatr** 1991 Mar;118(3):485–8 (12 ref.)
Kawasaki disease. Some recent studies on pathogenetic mechanisms. Tay JS. **J Singapore Paediatr Soc** 1990; 32(1–2):11–3 (20 ref.)

IMMUNOLOGY

Immunologic aspects of Kawasaki syndrome. Leung DY. **J Rheumatol Suppl** 1990 Sep;24:15–8 (34 ref.)

MICROBIOLOGY

Kawasaki disease: a disorder looking for an organism? Gibb D. **Paediatr Perinat Epidemiol** 1991 Apr;5(2):123–32 (41 ref.)

THERAPY

Treatment of Kawasaki disease. Nakashima L, et al. **Clin Pharm** 1990 Oct;9(10):755–62 (34 ref.)
Current therapy for acute Kawasaki syndrome. Rowley AH, et al. **J Pediatr** 1991 Jun;118(6):987–91 (25 ref.)
Kawasaki syndrome: clinical features. Pathophysiology, etiology and therapy. Melish ME, et al. **J Rheumatol Suppl** 1990 Sep;24:2–10 (80 ref.)

ULTRASONOGRAPHY

[Coronary artery anomalies studied by Doppler echocardiography in infancy and childhood—possibilities and limitations] Kádár K, et al. **Orv Hetil** 1991 Jul 21; 132(29):1581–6 (26 ref.) (Eng. Abstr.) **(Hun)**

MUCOLIPIDOSIS

DIAGNOSIS

[Biochemical diagnosis of lysosomal storage diseases in medico-genetic centers. I. Mucopolysaccharidoses, mucolipidoses (review of the literature)] Gusina NB, et al. **Lab Delo** 1990;(8):12–8 (50 ref.) **(Rus)**

MUCOLYTIC AGENTS see **EXPECTORANTS**

MUCOPEPTIDE AMIDOHYDROLASE see **N-ACETYLMURAMOYL-L-ALANINE AMIDASE**

MUCOPOLYSACCHARIDOSIS

CHEMICALLY INDUCED

Human accumulation potential of xenobiotics: potential of catamphiphilic drugs to promote their accumulation via inducing lipidosis or mucopolysaccharidosis. Hein L, et al. **Xenobiotica** 1990 Nov;20(11):1259–67 (27 ref.)

DIAGNOSIS

[Mucopolysaccharidosis. Nosology—clinical aspects—therapeutic approaches] Beck M. **Monatsschr Kinderheilkd** 1991 Mar;139(3):120–7 (24 ref.) (Eng. Abstr.) **(Ger)**
[Biochemical diagnosis of lysosomal storage diseases in medico-genetic centers. I. Mucopolysaccharidoses, mucolipidoses (review of the literature)] Gusina NB, et al. **Lab Delo** 1990;(8):12–8 (50 ref.) **(Rus)**

GENETICS

The mucopolysaccharidoses. Diagnosis, molecular genetics and treatment. Hopwood JJ, et al. **Mol Biol Med** 1990 Oct; 7(5):381–404 (134 ref.)

MUCOPROTEINS

PHYSIOLOGY

[Tamm-Horsfall protein: its pathogenetic role and clinical significance in urologic and nephrologic diseases] Maldannik VG, et al. **Urol Nefrol (Mosk)** 1990 Sep–Oct; (5):69–74 (61 ref.) **(Rus)**

MUCOR

PHYSIOLOGY

Mucor dimorphism. Orlowski M. **Microbiol Rev** 1991 Jun; 55(2):234–58 (238 ref.)

MUCORALES

[Zygomycosis caused by Cunninghamella bertholletiae] Chiba N, et al. **Rinsho Byori** 1990 Nov;38(11):1219–25 (16 ref.) (Eng. Abstr.) **(Jpn)**

MUCORMYCOSIS

[Naso-orbito-cerebral mucormycosis. A more & more common disease] Orsel S, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(3):221–5 (13 ref.) (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

[Disseminated mucormycosis in a hemodialyzed female patient treated with deferoxamine] Ponz E, et al. **Rev Clin Esp** 1991 Feb;188(2):85–7 (21 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Renal mucormycosis: a case report and review of the literature. Davila RM, et al. **J Urol** 1991 Jun;145(6):1242–4 (12 ref.)

DIAGNOSIS

[Rhinocerebral mucormycosis. Apropos a case] Povedano Rodríguez V, et al. **An Otorrinolaringol Ibero Am** 1991; 18(2):139–46 (10 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

[Zygomycosis caused by Cunninghamella bertholletiae] Chiba N, et al. **Rinsho Byori** 1990 Nov;38(11):1219–25 (16 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

[Disseminated mucormycosis in pediatrics] Jouvet P, et al. **Arch Fr Pediatr** 1991 Jan;48(1):29–30 (8 ref.) (Eng. Abstr.) **(Fre)**

MUCOUS MEMBRANE

IMMUNOLOGY

Normal and abnormal mucosal antibody mediated immunity. Bjorkander J, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:199–204 (12 ref.)
The role of IgA in local immune protection. Goldblum RM. **J Clin Immunol** 1990 Nov;10(6 Suppl):64S–70S; discussion 70S–71S (26 ref.)
Women, HIV, and mucosal immunity [see comments] Forrest BD. **Lancet** 1991 Apr 6;337(8745):835–6 (24 ref.) Comment in: Lancet 1991 May 25;337(8752):1289.
Neuromodulation of mucosal immunity. Stanisz AM, et al. **Reg Immunol** 1989 Nov–Dec;2(6):414–9 (52 ref.)
The human secretory immune system. Tischner H. **Z Erkr Atmungsorgane** 1991;176(2–3):91–7 (30 ref.)

MUCOVISCIDOSIS see **CYSTIC FIBROSIS**

MUCUS

CHEMISTRY

A critical look at mucus markers. Widdicombe JG. **Agents Actions Suppl** 1990;30:269–79 (24 ref.)
Human nasal respiratory secretions and host defense. Kaliner

MA. **Am Rev Respir Dis** 1991 Sep;144(3 Pt 2):S52–6 (39 ref.)

METABOLISM

[Mucus–bicarbonate barrier] Xu GY. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):47–50 (40 ref.) **(Chi)**

PHYSIOLOGY

Ciliary adaptations for the propulsion of mucus. Sleigh MA. **Biorheology** 1990;27(3–4):527–32 (24 ref.)

Cervical mucus and sperm transport in reproduction. Overstreet JW, et al. **Semin Perinatol** 1991 Apr; 15(2):149–55 (40 ref.)

SECRETION

Neural control of airway mucus secretion. Rogers DF, et al. **Biomed Pharmacother** 1990;44(9):447–53 (44 ref.)

Control of mucus secretion in airways [editorial] Wagner U, et al. **Respiration** 1991;58(1):1–8 (41 ref.)

MUDMINNOWS see **SALMONIDAE**

MULLERIAN DUCTS

PHYSIOLOGY

Secondary müllerian system and endometriosis. Fujii S. **Am J Obstet Gynecol** 1991 Jul;165(1):219–25 (51 ref.)

MULTICENTER STUDIES

STANDARDS

Trials and tribulations of multicenter studies. Lessons learned from the experiences of the Southwest Pediatric Nephrology Study Group (SPNSG). Hogg RJ. **Pediatr Nephrol** 1991 May;5(3):348–51 (27 ref.)

MULTICENTER TRIALS see **MULTICENTER STUDIES**

MULTIENZYME COMPLEXES

CHEMISTRY

The multicatalytic proteinase complex, a major extralysosomal proteolytic system. Orlowski M. **Biochemistry** 1990 Nov 13;29(45):10289–97 (105 ref.)

Domains, motifs, and linkers in 2-oxo acid dehydrogenase multienzyme complexes: a paradigm in the design of a multifunctional protein. Perham RN. **Biochemistry** 1991 Sep 3;30(35):8501–12 (116 ref.)

DEFICIENCY

Multiple defects of the mitochondrial respiratory chain in a mitochondrial encephalopathy (MERRF): a clinical, biochemical and molecular study. Bindoff LA, et al. **J Neurol Sci** 1991 Mar;102(1):17–24 (48 ref.)

GENETICS

Molecular genetics of polyketides and its comparison to fatty acid biosynthesis. Hopwood DA, et al. **Annu Rev Genet** 1990;24:37–66 (119 ref.)

METABOLISM

Possible mechanism of nuclear translocation of proteasomes. Tanaka K, et al. **FEBS Lett** 1990 Oct 1;271(1–2):41–6 (58 ref.)

NADH oxidase of plasma membranes. Morré DJ, et al. **J Bioenerg Biomembr** 1991 Jun;23(3):469–89 (67 ref.)

Polyketide synthase complexes: their structure and function in antibiotic biosynthesis. Robinson JA. **Philos Trans R Soc Lond [Biol]** 1991 May 29; 332(1263):107–14 (29 ref.)

ULTRASTRUCTURE

Electron microscopy and image analysis of the complexes I and V of the mitochondrial respiratory chain. Brink J, et al. **Electron Microsc Rev** 1988;1(2):175–99 (121 ref.)

MULTIFACTORIAL CAUSALITY see **CAUSALITY**

MULTIFUNCTIONAL ENZYMES see **MULTIENZYME COMPLEXES**

MULTIGENE FAMILY see **GENES, REITERATED**

MULTI-HOSPITAL INFORMATION SYSTEMS see **HOSPITAL INFORMATION SYSTEMS**

MULTI-HOSPITAL SYSTEMS see **MULTI-INSTITUTIONAL SYSTEMS**

MULTI-INFARCT DEMENTIA see **DEMENTIA, MULTI-INFARCT**

MULTI-INSTITUTIONAL SYSTEMS

STANDARDS

Applications of industrial quality improvement in health care. Makens PK, et al. **J Occup Med** 1990 Dec;32(12):1177–83 (13 ref.)

MULTIMODAL TREATMENT see **COMBINED MODALITY THERAPY**

MULTINUCLEATED GIANT CELLS see **GIANT CELLS**

MULTIPARITY see **PARITY**

MULTIPLE CAUSATION see **CAUSALITY**

MULTIPLE EPIPHYSEAL DYSPLASIA see **OSTEOCHONDRODYSPLASIAS**

MULTIPLE HAMARTOMA SYNDROME see **HAMARTOMA SYNDROME, MULTIPLE**

MULTIPLE MYELOMA

Multiple myeloma. Ascari E, et al. **Ann Ital Med Int** 1990 Jul–Sep;5(3 Pt 3):312–21 (20 ref.)

[Multiple myeloma. Biological, prognostic, and therapeutic aspects] Corrado C, et al. **Sangre (Barc)** 1990 Aug; 35(4):289–97 (74 ref.) **(Spa)**

CHEMICALLY INDUCED

Is exposure to benzene a cause of human multiple myeloma? Goldstein BD. **Ann N Y Acad Sci** 1990;609:225–30; discussion 230–4 (29 ref.)

COMPLICATIONS

Necrobiotic xanthogranuloma with IgA multiple myeloma: a case report and literature review. Valentine EA, et al. **Am J Hematol** 1990 Dec;35(4):283–5 (6 ref.)

Meningeal involvement in Bence Jones multiple myeloma. Oda K, et al. **Cancer** 1991 Apr 1;67(7):1900–2 (13 ref.)

Lambda light chain myeloma with pleural involvement. Abbate SL, et al. **Cleve Clin J Med** 1991 May–Jun; 58(3):235–9 (26 ref.)

Extraintestinal cancers in Crohn's disease. Nakajima H, et al. **Digestion** 1990;47(1):1–7 (28 ref.)

Primary hyperparathyroidism and monoclonal gammopathy. Rao DS, et al. **Henry Ford Hosp Med J** 1991;39(1):41–4 (23 ref.)

Neurologic involvement of multiple myeloma. Literature review and case report. Sidoti SP, et al. **J Am Podiatr Med Assoc** 1991 Apr;81(4):220–3 (32 ref.)

[Cutaneous manifestations in multiple myeloma] Collet E, et al. **Ann Dermatol Venereol** 1991;118(1):35–44 (165 ref.) **(Fre)**

[Peripheral neuropathy and plasmocytic proliferations. Apropos of 17 cases] Delauche-Cavallier MC, et al. **Ann Med Interne (Paris)** 1990;141(8):651–6 (40 ref.) (Eng. Abstr.) **(Fre)**

[Intraorbital involvement in multiple myeloma] Moalla M, et al. **J Fr Ophtalmol** 1990;13(6–7):365–7 (11 ref.) (Eng. Abstr.) **(Fre)**

[Isolated paralysis of the great hypoglossal nerve disclosing multiple myeloma] Forrett-Kaminsky MC, et al. **Rev Neurol (Paris)** 1991;147(3):238–9 (10 ref.) (Eng. Abstr.) **(Fre)**

[Acquired bullous epidermolysis and multiple myeloma] Soria C, et al. **Med Cutan Ibero Lat Am** 1990;18(3):206–11 (48 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Myeloma manifesting as a large jugular tumor: case report. Miyachi S, et al. **Neurosurgery** 1990 Dec;27(6):971–7 (44 ref.)

DRUG THERAPY

Chemotherapy of multiple myeloma. Durie BG. **Baillieres Clin Haematol** 1991 Jan;4(1):181–95 (43 ref.)

[Current aspects of treatment of multiple myeloma] Tribalto M, et al. **Ann Ital Med Int** 1988 Jul–Sep;3(3):193–202 (59 ref.) (Eng. Abstr.) **(Ita)**

[Chemotherapy of multiple myeloma] Golenkov AK. **Sov Med** 1991;(3):43–6 (52 ref.) **(Rus)**

[The use of intravenous gamma globulin in malignant hematologic diseases] Garay GE. **Medicina (B Aires)** 1989; 49(6):621–7 (55 ref.) **(Spa)**

ETIOLOGY

Interleukin 6 (IL-6) and its receptor (IL-6R) in myeloma/plasmacytoma. Suematsu S, et al. **Curr Top Microbiol Immunol** 1990;166:13–22 (18 ref.)

IgG-kappa type multiple myeloma in alcoholic cirrhosis—a case report. Matsumoto K, et al. **Fukuoka Igaku Zasshi** 1991 Jun;82(6):391–7 (19 ref.)

Interleukin 6 (IL-6) and its receptor: their role in plasma cell neoplasias. Hirano T. **Int J Cell Cloning** 1991 May; 9(3):166–84 (132 ref.)

[Simultaneous chronic lymphatic leukemia and multiple myeloma: a common clonal origin? (letter)] Barón JM, et al. **Med Clin (Barc)** 1990 Sep 29;95(10):397 (7 ref.) **(Spa)**

GENETICS

Multidrug resistance: clinical relevance in haematological malignancies. Kaye SB, et al. **Blood Rev** 1991 Mar; 5(1):38–41 (27 ref.)

METABOLISM

Interleukin-6 is the central tumor growth factor in vitro and in vivo in multiple myeloma. Klein B, et al. **Eur Cytokine Netw** 1990 Oct–Nov;1(4):193–201 (29 ref.)

PATHOLOGY

Plasma cell dyscrasia in a 15-year-old boy: case report and review of the literature [letter] Rapoport AP, et al. **Am J Med** 1990 Dec;89(6):816–8 (8 ref.)

Aggressive phase multiple myeloma: a terminal anaplastic transformation resembling high-grade lymphoma. Allen SL, et al. **Cancer Invest** 1990;8(3–4):417–24 (42 ref.)

Secondary bone tumors, myeloma, cryoglobulinemia, and paraproteinemias. Harmon D. **Curr Opin Rheumatol** 1990 Feb;2(1):111–4 (10 ref.)

Interleukin-6 is a major myeloma cell growth factor in vitro and in vivo especially in patients with terminal disease. Klein B, et al. **Curr Top Microbiol Immunol** 1990;166:23–31 (18 ref.)

IL-6 as a growth factor for human multiple myeloma cells—a short overview. Nilsson K, et al. **Curr Top Microbiol Immunol** 1990;166:3–12 (32 ref.)

Prognostic significance of neoplastic cell proliferation parameters in human haematological malignancies. Kotelnikov VM. **Folia Haematol (Leipz)** 1990;117(3):391–7 (46 ref.)

SURGERY

Bone marrow transplantation in multiple myeloma. Barlogie B, et al. **Bone Marrow Transplant** 1991 Feb;7(2):71–9 (57 ref.)

The rationale of autologous bone marrow transplantation. Mandelli F, et al. **Bone Marrow Transplant** 1991;7 Suppl 2:66–7 (14 ref.)

Bone marrow transplantation for Hodgkin's disease, non-Hodgkin's lymphoma and multiple myeloma. Vose JM, et al. **Cancer Treat Res** 1990;50:259–78 (80 ref.)

Autologous blood stem cell transplantation in hematologic malignancies. Majolino I, et al. **Haematologica** 1990 Nov–Dec;75(6):555–66 (127 ref.)

THERAPY

New treatment strategies for multiple myeloma. Alexanian R, et al. **Am J Hematol** 1990 Nov;35(3):194–8 (36 ref.)

Plasma cell myeloma: biology and treatment. Bergsagel DE. **Annu Rev Med** 1991;42:167–78 (59 ref.)

Leukemias and myeloma. Wiernik PH. **Cancer Chemother Biol Response Modif** 1990;11:321–42 (135 ref.)

Modern trends in the treatment of multiple myeloma. Dicke KA. **Curr Opin Oncol** 1990 Apr;2(2):277–84 (14 ref.)

Prolonged survival in resistant myeloma after treatment with interferon—a case report and review. Edwards DR. **Hematol Oncol** 1991 Jan–Feb;9(1):1–7 (25 ref.)

[Advances in the treatment of refractory multiple myeloma] Lu SP. **Chung Hua Nei Ko Tsa Chih** 1990 Mar;29(3):178–80 (16 ref.) **(Chi)**

[Therapy of multiple myeloma by allogeneic bone marrow transplantation] Heyll A, et al. **Dtsch Med Wochenschr** 1991 May 31;116(22):852–6 (21 ref.) (Eng. Abstr.) **(Ger)**

[Interferon: a new weapon in the therapeutic strategy of multiple myeloma] Avvisati G, et al. **Haematologica** 1990 Jul–Aug;75 Suppl 4:68–71 (38 ref.) **(Ita)**

[Therapy of multiple myeloma and its complications] Avvisati G, et al. **Recenti Prog Med** 1990 Oct;81(10):642–50 (63 ref.) (Eng. Abstr.) **(Ita)**

[The successful use of natural alpha-interferon single therapy in multiple myeloma of IgD (lambda)-type] Suzuki A, et al. **Rinsho Ketsueki** 1991 Jan;32(1):47–51 (15 ref.) (Eng. Abstr.) **(Jpn)**

URINE

Proteinuria in multiple myeloma and related diseases. Ganeval D, et al. **Am J Nephrol** 1990;10 Suppl 1:58–62 (21 ref.)

MULTIPLE ORGAN FAILURE

Multiple organ failure. Dorinsky PM, et al. **Clin Chest Med** 1990 Dec;11(4):581–91 (79 ref.)

Nutrition and metabolism in sepsis and multisystem organ failure. Baue AE. **Surg Clin North Am** 1991 Jun; 71(3):549–65 (61 ref.)

DRUG THERAPY

Therapeutic administration of fibronectin: current uses and potential applications. Yoder MC. **Clin Perinatol** 1991 Jun; 18(2):325–41 (67 ref.)

ETIOLOGY

Sickle cell anemia and major organ failure. Powars DR.

Hemoglobin 1990;14(6):573–98 (113 ref.)
The systemic septic response: concepts of pathogenesis. Cerra FB. **J Trauma** 1990 Dec;30(12 Suppl):S169–74 (51 ref.)
Bacterial translocation of the gut flora. Deitch EA. **J Trauma** 1990 Dec;30(12 Suppl):S184–9 (41 ref.)
Etiology of multiple organ failure. Meakins JL. **J Trauma** 1990 Dec;30(12 Suppl):S165–8 (16 ref.)
The cell in shock: the origin of multiple organ failure. Schlag G, et al. **Resuscitation** 1991 Apr;21(2–3):137–80 (257 ref.)
Sickle cell anemia: beta s-gene–cluster haplotypes as prognostic indicators of vital organ failure. Powars DR. **Semin Hematol** 1991 Jul;28(3):202–8 (69 ref.)
Sepsis. What it is and how to recognize it. Mileski WJ. **Surg Clin North Am** 1991 Aug;71(4):749–64 (55 ref.)
[Multiple organ complications in cocaine poisoning] Guerin JM, et al. **Rev Med Interne** 1989 Nov–Dec;10(6):561–2 (9 ref.) **(Fre)**
[Multiple organ failure during digestive disease surgery] Tamakuma S, et al. **Nippon Naika Gakkai Zasshi** 1991 Feb 10;80(2):278–83 (9 ref.) **(Jpn)**
[Multiple organ failure syndrome in surgery] Pomelov VS, et al. **Khirurgiia (Mosk)** 1990 Jul;(7):158–61 (58 ref.) **(Rus)**

IMMUNOLOGY

Complement activation and organ function in critically ill surgical patients. Bengtson A, et al. **Acute Care** 1988–89; 14–15:111–37 (219 ref.)
Postoperative and traumatic sepsis-like syndrome: a new understanding. Schlag G, et al. **Acute Care** 1988–89; 14–15:244–69 (195 ref.)
Mediators of multiple organ failure. Goris RJ. **Intensive Care Med** 1990;16 Suppl 3:S192–6 (66 ref.)
Host responses in mediating sepsis and adult respiratory distress syndrome. Strieter RM, et al. **Semin Respir Infect** 1990 Sep;5(3):233–47 (112 ref.)

METABOLISM

Cellular nutrition in support of early multiple organ failure. Bagley JS, et al. **Chest** 1991 Sep;100(3 Suppl):182S–188S (88 ref.)

PHYSIOPATHOLOGY

The role of the gut in shock and multiple system organ failure. Antonsson JB, et al. **Eur J Surg** 1991 Jan; 157(1):3–12 (98 ref.)
Hemodynamic aspects of multiple organ failure. Grootendorst AF. **Intensive Care Med** 1990;16 Suppl 2:S165–7 (15 ref.)
Multiple organ failure: inflammatory priming and activation sequences promote autologous tissue injury. Anderson BO, et al. **J Trauma** 1990 Dec;30(12 Suppl):S44–9 (31 ref.)
[Organ failure in chronic renal failure] Precht K. **Z Arztl Fortbild (Jena)** 1990;84(24):1253–7 (15 ref.) **(Ger)**

PREVENTION & CONTROL

Care of the gut in the surgical intensive care unit: fact or fashion? Steinmetz OK, et al. **Can J Surg** 1991 Jun; 34(3):207–15 (92 ref.)
The role of platelet activating factor and its antagonists in shock, sepsis and multiple organ failure. Anderson BO, et al. **Surg Gynecol Obstet** 1991 May;172(5):415–24 (116 ref.)
[Limitations and possibilities of enteral nutrition at an intensive care unit] Gassull Duro MA. **Nutr Hosp** 1990 May–Jun;5(3):147–52 (39 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

[Parenteral nutritional therapy in organ insufficiency] Stein B. **Klin Anasthesiol Intensivther** 1990;40:87–109 (24 ref.) **(Ger)**

MULTIPLE-PERSONALITY DISORDER

DIAGNOSIS

Multiple personality disorder: an overview. Braun BG. **Am J Occup Ther** 1990 Nov;44(11):971–6 (24 ref.)
Clinical manifestations in persons with multiple personality disorder. Fike ML. **Am J Occup Ther** 1990 Nov; 44(11):984–90 (25 ref.)
Twelve cognitive errors about multiple personality disorder. Ross CA. **Am J Psychother** 1990 Jul;44(3):348–56 (24 ref.)

ETIOLOGY

Child abuse as an antecedent of multiple personality disorder. Baldwin LC. **Am J Occup Ther** 1990 Nov;44(11):978–83 (19 ref.)

REHABILITATION

Understanding and cooperation among alter and host personalities. Dawson PL. **Am J Occup Ther** 1990 Nov; 44(11):994–7 (13 ref.)
Art and multiple personality disorder: an expressive framework for occupational therapy. Frye B. **Am J Occup Ther** 1990 Nov;44(11):1013–22 (28 ref.)
Occupational therapy with patients with multiple personality disorder: personal reflections. Skinner ST. **Am J Occup Ther** 1990 Nov;44(11):1024–7 (7 ref.)

THERAPY

Considerations and techniques in the treatment of persons with multiple personality disorder. Fike ML. **Am J Occup Ther** 1990 Nov;44(11):999–1007 (47 ref.)
Expressive therapy in conjunction with psychotherapy in the treatment of persons with multiple personality disorder. Higdon JF. **Am J Occup Ther** 1990 Nov;44(11):991–3 (20 ref.)
Trauma, dissociation, and multiple personality. Chu JA. **Compr Ther** 1990 Dec;16(12):35–40 (14 ref.)

MULTIPLE SCLEROSIS

Care of the patient with MS. Ellis P. **Practitioner** 1991 Mar; 235(1500):248–54 (8 ref.)

CEREBROSPINAL FLUID

Diagnostic usefulness of cerebrospinal fluid in multiple sclerosis. Mehta PD. **Crit Rev Clin Lab Sci** 1991; 28(3):233–51 (106 ref.)
T lymphocytes in the cerebrospinal fluid of patients with multiple sclerosis. Rotteveel FT, et al. **Immunol Res** 1990; 9(4):287–97 (84 ref.)

COMPLICATIONS

The otolaryngic manifestations of multiple sclerosis. Boucher RM, et al. **Ear Nose Throat J** 1991 Apr;70(4):224–6, 231–3 (30 ref.)
Crohn's disease in a patient with multiple sclerosis. Kitchin LI, et al. **J Clin Gastroenterol** 1991 Jun;13(3):331–4 (17 ref.)
Headaches and multiple sclerosis: a clinical study and review of the literature. Rolak LA, et al. **J Neurol** 1990 Aug; 237(5):300–2 (31 ref.)
[Disseminated sclerosis: sexual and obstetrical aspects] Stenager E, et al. **Nord Med** 1991;106(2):45–7 (15 ref.) (Eng. Abstr.) **(Dan)**
[Bullous pemphigoid–multiple sclerosis association. A case report] Saada V, et al. **Ann Dermatol Venereol** 1990; 117(6–7):459–61 (15 ref.) **(Fre)**
[Hypothermia and multiple sclerosis. A case with 3 episodes of transient hypothermia] Ghawche F, et al. **Rev Neurol (Paris)** 1990;146(12):767–9 (15 ref.) (Eng. Abstr.) **(Fre)**
[Oculo–palatal myoclonus and multiple sclerosis] Revol A, et al. **Rev Neurol (Paris)** 1990;146(8–9):518–21 (25 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Imaging of degenerative brain disorders. Berson BD. **Curr Opin Radiol** 1991 Feb;3(1):51–4 (16 ref.)
[A case of multiple sclerosis with syrinx formation demonstrated on MRI] Moriwaka F, et al. **Rinsho Shinkeigaku** 1991 Mar;31(3):324–6 (4 ref.) (Eng. Abstr.) **(Jpn)**

DIET THERAPY

Dietary lipids and multiple sclerosis. Bates D. **Ups J Med Sci Suppl** 1990;48:173–87 (26 ref.)

DRUG THERAPY

The use of immunosuppressive agents in the treatment of multiple sclerosis: a critical review. Goodin DS. **Neurology** 1991 Jul;41(7):980–5 (23 ref.)
[Current therapy of multiple sclerosis: value of cyclosporin A and FK 506] Hohlfeld R. **Nervenarzt** 1991 Feb; 62(2):136–8 (10 ref.) **(Ger)**
[Steroid therapy in multiple sclerosis] Beer S, et al. **Schweiz Med Wochenschr** 1991 Jun 29;121(26):961–9 (85 ref.) (Eng. Abstr.) **(Ger)**
[Immunosuppressive therapy of various autoimmune diseases of the nervous system] Neretin VIa, et al. **Sov Med** 1990; (12):31–5 (39 ref.) **(Rus)**
[Treatment with corticoids in multiple sclerosis] Fernández O. **Neurologia** 1990 Aug–Sep;5(7):233–7 (72 ref.) **(Spa)**

EPIDEMIOLOGY

MS in the Faroe Islands and the possible protective effect of early childhood exposure to the "MS agent". Cooke RG. **Acta Neurol Scand** 1990 Oct;82(4):230–3 (20 ref.)
The dissemination of multiple sclerosis. The Langdon-Brown lecture 1989. Compston DA. **J R Coll Physicians Lond** 1990 Jul;24(3):207–18 (75 ref.)
Multiple sclerosis: changing times [editorial] Kurtzke JF. **Neuroepidemiology** 1991;10(1):1–8 (37 ref.)

ETHNOLOGY

HLA and multiple sclerosis in Italy: a review of the literature. La Mantia L, et al. **J Neurol** 1990 Nov;237(7):441–4 (37 ref.)

ETIOLOGY

Implications of progressive multifocal leukoencephalopathy and JC virus for the etiology of MS. Stoner GL. **Acta Neurol Scand** 1991 Jan;83(1):20–33 (106 ref.)
A review of the aetiology of multiple sclerosis: an ecological approach. Murrell TG, et al. **Ann Hum Biol** 1991 Mar–Apr; 18(2):95–112 (134 ref.)
The etiology of multiple sclerosis: a new and extended vascular-ischemic model. Gottlieb SF, et al. **Med Hypotheses** 1990 Sep;33(1):23–9 (37 ref.)
Multiple sclerosis—one manifestation of neurobrucellosis? Murrell TG, et al. **Med Hypotheses** 1990 Sep;33(1):43–8 (26 ref.)
[Multiple sclerosis: review of main experimental data and pathogenic hypotheses] Fressinaud C, et al. **Rev Med Interne** 1990 May–Jun;11(3):201–8 (67 ref.) (Eng. Abstr.) **(Fre)**
[The risk of multiple sclerosis development in patients with idiopathic optic neuritis: prognosis and other problems] Cendrowski W. **Neurol Neurochir Pol** 1991 Jan–Feb; 25(1):87–93 (22 ref.) (Eng. Abstr.) **(Pol)**

GENETICS

Human T-cell lymphotropic virus type I sequences detected by nested polymerase chain reactions are not associated with multiple sclerosis [see comments] Prayoonwiwat N, et al. **Mayo Clin Proc** 1991 Jul;66(7):665–80 (66 ref.) Comment in: Mayo Clin Proc 1991 Jul;66(7):752–5.

IMMUNOLOGY

Immunopathological recognition of autoantigens in multiple sclerosis. Bernard CC, et al. **Acta Neurol (Napoli)** 1991 Apr; 13(2):171–8 (35 ref.)
Immunopathogenesis of multiple sclerosis. Wekerle H. **Acta Neurol (Napoli)** 1991 Apr;13(2):197–204 (50 ref.)
[Multiple sclerosis—an immunological disease] Vedeler CA. **Tidsskr Nor Laegeforen** 1991 Mar 20;111(8):944–7 (13 ref.) (Eng. Abstr.) **(Nor)**

METABOLISM

[Use of myelin basic protein in neurology] Fang J. **Chung Hua I Hsueh Tsa Chih** 1990 Oct;70(10):595–7 (26 ref.) **(Chi)**

MICROBIOLOGY

Multiple sclerosis, retroviruses, and PCR. The HTLV-MS Working Group. Ehrlich GD, et al. **Neurology** 1991 Mar; 41(3):335–43 (105 ref.)

PATHOLOGY

[Disseminated sclerosis: organic basis for mental disorders and cognitive dysfunction] Stenager E, et al. **Nord Med** 1991;106(2):43–4, 49 (15 ref.) (Eng. Abstr.) **(Dan)**

PHYSIOPATHOLOGY

Pathophysiology of delayed evoked potentials in multiple sclerosis. Onofrj M, et al. **Funct Neurol** 1990 Oct–Dec; 5(4):301–19 (92 ref.)
[Vascular mechanisms in the pathogenesis of multiple sclerosis] Mayer M. **Cesk Neurol Neurochir** 1990 Jul; 53(4):209–14 (54 ref.) **(Cze)**
[Pain in multiple sclerosis. Clinical aspects and therapy] Vaney C. **Schweiz Med Wochenschr** 1990 Dec 29; 120(51–52):1959–64 (21 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Psychological factors affecting neurological conditions. Depression and stroke, multiple sclerosis, Parkinson's disease, and epilepsy. McNamara ME. **Psychosomatics** 1991 Summer;32(3):255–67 (76 ref.)
Psychiatric and cognitive aspects of multiple sclerosis. Stenager E, et al. **Semin Neurol** 1990 Sep;10(3):254–61 (62 ref.)

THERAPY

The development of rational strategies for selective immunotherapy against autoimmune demyelinating disease. Steinman L. **Adv Immunol** 1991;49:357–79 (64 ref.)
Therapeutics of multiple sclerosis. Noseworthy JH. **Clin Neuropharmacol** 1991 Feb;14(1):49–61 (73 ref.)
[Study Group: "Evaluation of the efficacy of therapeutic treatments in multiple sclerosis"] Cosi V, et al. **Epidemiol Prev** 1990 Jun;12(43):12–20 (42 ref.) **(Ita)**

VETERINARY

Remitting-relapsing EAE in nonhuman primates: a valid model of multiple sclerosis. Rose LM, et al. **Clin Immunol Immunopathol** 1991 Apr;59(1):1–15 (79 ref.)

MULTIPLE TRAUMA

Stabilization of traumatic atlanto-occipital dislocation. Case report. Belzberg AJ, et al. **J Neurosurg** 1991 Sep; 75(3):478–82 (42 ref.)
Missed injuries. The trauma surgeon's nemesis. Enderson BL, et al. **Surg Clin North Am** 1991 Apr;71(2):399–418 (47 ref.)

CLASSIFICATION

[Classification of polytraumatized patients, experience with the ISS system] Széll K, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1990; 33(3):191–6 (36 ref.) (Eng. Abstr.) **(Hun)**

COMPLICATIONS

Update on trauma care in Canada. 4. Resuscitation through the three phases of hemorrhagic shock after trauma. Lucas CE. **Can J Surg** 1990 Dec;33(6):451–6 (17 ref.)
Update on trauma care in Canada. 3. Pelvic ring fractures [see comments] O'Brien PJ. **Can J Surg** 1990 Dec; 33(6):447–50 (16 ref.) Comment in: Can J Surg 1990 Dec;33(6):431–2.

EPIDEMIOLOGY

Update on trauma care in Canada. 6. Update on trauma registries and trauma scoring. Vestrup JA. **Can J Surg** 1990 Dec;33(6):461–3 (12 ref.)

ETIOLOGY

Management of the injured renal transplant recipient. Urquhart CK, et al. **South Med J** 1991 Apr;84(4):524–6 (15 ref.)

PHYSIOPATHOLOGY

[The neuroendocrine and neurotrophic changes in combined brain concussion and locomotor trauma (a review of the literature)] Kalishchuk TN, et al. **Vrach Delo** 1990 Jul; (7):62–7 (54 ref.) **(Rus)**

RADIOGRAPHY

Retroperitoneal hematoma. Miller RS, et al. **J Tenn Med Assoc** 1991 May;84(5):227–9 (9 ref.)

SURGERY

[Clinical management problems in mass accidents] Friedl HP, et al. **Chirurg** 1991 Apr;62(4):239–42 (10 ref.) (Eng. Abstr.) **(Ger)**
[Mass accidents from the anesthesiologic viewpoint] Tassani P, et al. **Chirurg** 1991 Apr;62(4):243–6 (17 ref.) **(Ger)**
[Diagnosis and surgical treatment of craniocerebral trauma within the scope of polytrauma management] Zink PM, et al. **Unfallchirurg** 1991 Mar;94(3):122–8 (30 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Initial treatment of patients with extensive trauma. Trunkey D. **N Engl J Med** 1991 May 2;324(18):1259–63 (17 ref.)
[First aid for severely injured patients in mass accidents] Hartel W, et al. **Chirurg** 1991 Apr;62(4):233–8 (15 ref.) **(Ger)**
[Late sequelae after urogenital trauma. Results of follow-up studies] Oberneder R, et al. **Urologe [A]** 1990 Sep; 29(5):251–5 (71 ref.) (Eng. Abstr.) **(Ger)**
[Medical aid in polytrauma] Mironov GM, et al. **Ortop Travmatol Protez** 1990 Jul;(7):63–7 (50 ref.) **(Rus)**

MULTIPLICATION-STIMULATING ACTIVITY see **INSULIN-LIKE GROWTH FACTOR II**

MULTIPOTENTIAL COLONY-STIMULATING FACTOR see **INTERLEUKIN-3**

MULTIVARIATE ANALYSIS

Multivariate techniques to assess laboratory tests in cancer patients. Winkel P, et al. **Immunol Ser** 1990;53:27–38 (13 ref.)
Multivariate refutation of aetiological hypotheses in non-experimental epidemiology. Maclure M. **Int J Epidemiol** 1990 Dec;19(4):782–7 (34 ref.)
[Multivariate statistical methods for the exploratory analysis of multidimensional data] Rouvel E, et al. **Pharmazie** 1990 Jul;45(8):640–2 (8 ref.) **(Ger)**

MUMPS

Comparative experimental viral labyrinthitis. Davis LE. **Am J Otolaryngol** 1990 Nov-Dec;11(6):382–8 (47 ref.)

COMPLICATIONS

[Epidemic parotitis and Reiter's syndrome] Vallina Alvarez E, et al. **An Med Interna** 1989 Oct;6(10):537–9 (18 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Mumps orchitis. Manson AL. **Urology** 1990 Oct;36(4):355–8 (27 ref.)

PREVENTION & CONTROL

Prevention of mumps, measles, and rubella among hospital personnel. Weber DJ, et al. **J Pediatr** 1991 Aug; 119(2):322–6 (56 ref.)

MUMPS VACCINE

[Allergic reactions to measles, mumps and rubella vaccine in children with egg protein allergy] Kornbrot B, et al. **Harefuah** 1990 Oct;119(7–8):230–1 (24 ref.) **(Heb)**

MUNCHAUSEN SYNDROME

Münchausen's syndrome by proxy as a form of child abuse. Yorker BC, et al. **Arch Psychiatr Nurs** 1990 Oct;4(5):313–8 (31 ref.)
Hemorrhagic colitis and pseudomelanosis coli in ipecac ingestion by proxy. Johnson JE, et al. **J Pediatr Gastroenterol Nutr** 1991 May;12(4):501–6 (26 ref.)
[Münchhausen syndrome] Robert JC, et al. **Presse Med** 1991 Apr 20;20(15):697–700 (24 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Dysphonia associated with factitious asthma [letter] Pannbacker M. **Ear Nose Throat J** 1990 Sep;69(9):656–7 (14 ref.)

PSYCHOLOGY

Clinical characteristics of the Munchausen syndrome. A review and 3 new case histories. Fink P, et al. **Psychother Psychosom** 1989;52(1–3):164–71 (21 ref.)

MURAMIDASE

CHEMISTRY

Lysozyme and alpha-lactalbumin: structure, function, and interrelationships. McKenzie HA, et al. **Adv Protein Chem** 1991;41:173–315 (475 ref.)

PHYSIOLOGY

Salivary lysozyme, lactoferrin and peroxidases: antibacterial effects on cariogenic bacteria and clinical applications in preventive dentistry. Tenovuo J, et al. **Proc Finn Dent Soc** 1991;87(2):197–208 (85 ref.)

MURAMOYLPENTAPEPTIDE CARBOXYPEPTIDASE see **CARBOXYPEPTIDASE TRANSPEPTIDASE**

MURDER see **HOMICIDE**

MUREIN see **PEPTIDOGLYCAN**

MURIDAE

GENETICS

Genetic aspects of oncogenesis by murine leukemia viruses in wild mice. Kozak CA, et al. **Crit Rev Oncog** 1989; 1(2):127–44 (138 ref.)
Evolution of class II genes: role of selection in both the maintenance of polymorphism and the retention of non-expressed alleles. Jones PP, et al. **Immunol Res** 1990; 9(3):200–11 (40 ref.)
The Lake Casitas wild mouse: evolving genetic resistance to retroviral disease. Gardner MB, et al. **Trends Genet** 1991 Jan;7(1):22–7 (33 ref.)

MURIDS see **MURIDAE**

MURINE ACQUIRED IMMUNODEFICIENCY SYNDROME

ETIOLOGY

Murine acquired immunodeficiency syndrome (MAIDS): an animal model to study the AIDS pathogenesis. Jolicoeur P. **FASEB J** 1991 Jul;5(10):2398–405 (73 ref.)

MURINE AIDS see **MURINE ACQUIRED IMMUNODEFICIENCY SYNDROME**

MURRAY VALLEY ENCEPHALITIS VIRUS see **FLAVIVIRUSES**

MUS see **MURIDAE**

MUS MUSCULUS see **MICE**

MUSCA DOMESTICA see **HOUSEFLIES**

MUSCARINIC AGENTS see **PARASYMPATHOMIMETICS**

MUSCARINIC RECEPTORS see **RECEPTORS, MUSCARINIC**

MUSCLE CONTRACTION

Properties of calcium release channels of the intracellular calcium store in muscle cells. Endo M, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:122–7 (21 ref.)
Regulation of the contractile element of airway smooth muscle. Gerthoffer WT. **Am J Physiol** 1991 Aug;261(2 Pt 1):L15–28 (150 ref.)
"Professional" and "nonprofessional" contractile cells in the lung. Schmidt RA, et al. **Am J Respir Cell Mol Biol** 1990 Dec;3(6):513–4 (8 ref.)
The dynamics of actin and myosin association and the crossbridge model of muscle contraction. Geeves MA. **Biochem J** 1991 Feb 15;274 (Pt 1):1–14 (131 ref.)
Control of gene expression in adult skeletal muscle by changes in the inherent level of contractile activity. Booth FW, et al. **Biochem Soc Trans** 1991 Apr;19(2):374–8 (28 ref.)
Energy metabolism and fatigue during intense muscle contraction. Hultman E, et al. **Biochem Soc Trans** 1991 Apr;19(2):347–53 (36 ref.)
Control of energetic processes in contracting human skeletal muscle. Sahlin K. **Biochem Soc Trans** 1991 Apr;19(2):353–8 (34 ref.)
Molecular tools to elucidate problems in excitation-contraction coupling. MacLennan DH. **Biophys J** 1990 Dec;58(6):1355–65 (71 ref.)
Excitation-contraction coupling in vertebrate skeletal muscle: a tale of two calcium channels. Catterall WA. **Cell** 1991 Mar 8;64(5):871–4 (27 ref.)
Detrusor-external sphincter dyssynergia. Chancellor MB, et al. **Ciba Found Symp** 1990;151:195–206; discussion 207–13 (50 ref.)
Strength training. DiNubile NA. **Clin Sports Med** 1991 Jan; 10(1):33–62 (76 ref.)
Role of the Z band in the mechanical properties of the heart. Goldstein MA, et al. **FASEB J** 1991 May;5(8):2167–74 (50 ref.)
Electrical excitability of skeletal muscle postmortem in casework. Madea B, et al. **Forensic Sci Int** 1990 Oct; 47(3):207–27 (54 ref.)
Vascular smooth muscle contractile elements. Cellular regulation. Stull JT, et al. **Hypertension** 1991 Jun;17(6 Pt 1):723–32 (90 ref.)
Direction and speed of actin filaments moving along thick filaments isolated from molluscan smooth muscle. Yamada A, et al. **J Biochem (Tokyo)** 1990 Sep;108(3):341–3 (25 ref.)
Protein engineering and the study of muscle contraction in Drosophila flight muscles. Sparrow J, et al. **J Cell Sci Suppl** 1991;14:73–8 (52 ref.)
Carbohydrates and exercise. Hargreaves M. **J Sports Sci** 1991 Summer;9 Spec No:17–28 (59 ref.)
Acoustic reflex measures in audiologic evaluation. Margolis RH, et al. **Otolaryngol Clin North Am** 1991 Apr; 24(2):329–47 (43 ref.)
Contractile proteins of fatigue-resistant muscle. Carraro U. **Semin Thorac Cardiovasc Surg** 1991 Apr;3(2):111–5 (31 ref.)
Effects of chronic electrostimulation on muscle gene expression. Pette D. **Semin Thorac Cardiovasc Surg** 1991 Apr;3(2):101–5 (35 ref.)
[Calcium regulation of smooth muscle contractility] Karaki H. **Nippon Yakurigaku Zasshi** 1990 Dec;96(6):289–99 (66 ref.) (Eng. Abstr.) **(Jpn)**
[Cerebral vasospasm and the protein kinase C-mediated contractile system] Asano T, et al. **No Shinkei Geka** 1991 Mar;19(3):207–19 (104 ref.) **(Jpn)**
[Structure and function of the receptor for calcium channel blockers from skeletal muscle] Tanabe T. **Seikagaku** 1990 Aug;62(8):1003–19 (64 ref.) **(Jpn)**

DRUG EFFECTS

Are all cardiac glycosides pharmacodynamically similar? [editorial] Joubert PH. **Eur J Clin Pharmacol** 1990; 39(4):317–20 (21 ref.)
[Excitation-contraction coupling in skeletal muscle: characteristics of biphasic potassium contractures] Takauji M, et al. **Nippon Seirigaku Zasshi** 1991;53(4):117–35 (94 ref.) **(Jpn)**

PHYSIOLOGY

Myosin phosphorylation/dephosphorylation and regulation of airway smooth muscle contractility. de Lanerolle P, et al. **Am J Physiol** 1991 Aug;261(2 Pt 1):L1–14 (138 ref.)
Excitation-contraction coupling and the mechanism of muscle contraction. Ebashi S. **Annu Rev Physiol** 1991; 53:1–16 (92 ref.)
Endothelium-dependent contractions. Vanhoutte PM, et al. **Blood Vessels** 1991;28(1–3):74–83 (44 ref.)
The mechanism of extertional fatigue in heart failure. Wilson JR, et al. **Cardioscience** 1990 Mar;1(1):13–7 (24 ref.)
Vascular smooth muscle. A review of the molecular basis of contractility. Hathaway DR, et al. **Circulation** 1991 Feb; 83(2):382–90 (114 ref.)
Paramyosin and the catch mechanism. Watabe S, et al. **Comp Biochem Physiol [B]** 1990;96(4):639–46 (49 ref.)
Respiratory muscle fatigue limiting physical exercise? Fitting JW. **Eur Respir J** 1991 Jan;4(1):103–8 (57 ref.)
The power transfer from the neuromuscular machinery to its load as a vegetative and somatic behaviour. Federici A, et al. **Funct Neurol** 1990 Jul-Sep;5(3):233–7 (19 ref.)
Pathophysiology of muscle tone. Messina C. **Funct Neurol** 1990 Jul-Sep;5(3):217–23 (45 ref.)
From genes to tensile forces: genetic dissection of contractile protein assembly and function in Drosophila melanogaster. Fyrberg E, et al. **J Cell Sci Suppl** 1991;14:27–9 (16 ref.)
The mechanical hypothesis of excitation-contraction (EC) coupling in skeletal muscle. Ríos E, et al. **J Muscle Res Cell Motil** 1991 Apr;12(2):127–35 (69 ref.)
Calcium release mechanisms in smooth muscle. Iino M. **Jpn J Pharmacol** 1990 Dec;54(4):345–54 (48 ref.)
AAEM minimonograph #11: Needle examination in clinical electromyography. Daube JR. **Muscle Nerve** 1991 Aug; 14(8):685–700 (29 ref.)
Voltage sensor of excitation-contraction coupling in skeletal muscle. Ríos E, et al. **Physiol Rev** 1991 Jul;71(3):849–908 (435 ref.)
A recruitment theory of force-time relations in the production of brief force pulses: the parallel force unit

model. Ulrich R, et al. **Psychol Rev** 1991 Apr;98(2):268–94 (95 ref.)

Ca2+ and activation mechanisms in skeletal muscle. Ashley CC, et al. **Q Rev Biophys** 1991 Feb;24(1):1–73 (297 ref.)

Importance of the adaptive properties of skeletal muscle in long-term electrophrenic stimulation of the diaphragm. Salmons S. **Stereotact Funct Neurosurg** 1989;53(4):223–32 (42 ref.)

[The factors of relaxation and contraction produced by the vascular endothelium. Effect of aging and the cardiovascular risk factors] Richard V, et al. **Ann Cardiol Angeiol (Paris)** 1991 May;40(5):249–54 (57 ref.) **(Fre)**

[The excitation-contraction coupling of the vascular smooth muscle cells] Honoré E, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:9–13 (24 ref.) (Eng. Abstr.) **(Fre)**

[Myosin head as the site of force generation?] Stępkowski D, et al. **Postepy Biochem** 1989;35(4):585–9 (16 ref.) **(Pol)**

[Maximal oxygen consumption and various physiological and somatic characteristics of students of the Białystok Medical Academy 1976–1977 and 1980–1986] Kiczka K, et al. **Rocz Akad Med Bialymst** 1988–89;33–34:177–207 (84 ref.) (Eng. Abstr.) **(Pol)**

[The molecular organization of the contractile apparatus and the mechanics of muscle contraction] Miroshnichenko NS, et al. **Usp Fiziol Nauk** 1990 Jul–Sep;21(3):3–18 (56 ref.) **(Rus)**

[Contractile properties of the muscles in disorders of peripheral innervation (review of the literature)] Bogdanov EI, et al. **Zh Nevropatol Psikhiatr** 1991;91(2):129–32 (58 ref.) **(Rus)**

MUSCLE CRAMP

ETIOLOGY

Adult phosphorylase b kinase deficiency. Clemens PR, et al. **Ann Neurol** 1990 Oct;28(4):529–38 (55 ref.)

THERAPY

Treatment of nocturnal leg cramps and restless leg syndrome. Walton T, et al. **Clin Pharm** 1991 Jun;10(6):427–8 (17 ref.)

MUSCLE DENERVATION

VETERINARY

[Contractile properties of the muscles in disorders of peripheral innervation (review of the literature)] Bogdanov EI, et al. **Zh Nevropatol Psikhiatr** 1991;91(2):129–32 (58 ref.) **(Rus)**

MUSCLE DYSTONIA see **DYSTONIA**

MUSCLE FLACCIDITY see **MUSCLE HYPOTONIA**

MUSCLE HYPOTONIA

CHEMICALLY INDUCED

[Toxic properties of acrylamide (review of the literature)] Sheftel' VO. **Gig Sanit** 1990 Aug;(8):48–50 (31 ref.) **(Rus)**

PHYSIOPATHOLOGY

The floppy infant: recent advances in the understanding of disorders affecting the neuromuscular junction. Gay CT, et al. **Neurol Clin** 1990 Aug;8(3):715–25 (55 ref.)

MUSCLE PROTEINS

ANALYSIS

The immunophenotype of hemangiopericytomas and glomus tumors, with special reference to muscle protein expression: an immunohistochemical study and review of the literature. Porter PL, et al. **Mod Pathol** 1991 Jan;4(1):46–52 (44 ref.)

CHEMISTRY

Myofibrillogenesis and reversible disassembly of myofibrils as adaptive reactions of cardiac muscle cells. Borisov AB. **Acta Physiol Scand Suppl** 1991;599:71–80 (62 ref.)

Cellular and molecular diversities of mammalian skeletal muscle fibers. Pette D, et al. **Rev Physiol Biochem Pharmacol** 1990;116:1–76 (648 ref.)

DEFICIENCY

Adult phosphorylase b kinase deficiency. Clemens PR, et al. **Ann Neurol** 1990 Oct;28(4):529–38 (55 ref.)

GENETICS

MyoD family: a paradigm for development? Olson EN. **Genes Dev** 1990 Sep;4(9):1454–61 (63 ref.)

The myoD gene family: nodal point during specification of the muscle cell lineage. Weintraub H, et al. **Science** 1991 Feb 15;251(4995):761–6 (69 ref.)

METABOLISM

Localization of muscle gene products in nuclear domains: does this constitute a problem for myoblast therapy? Blau HM, et al. **Adv Exp Med Biol** 1990;280:167–72 (16 ref.)

Protein turnover and amino acid metabolism in human skeletal muscle. Smith K, et al. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):461–98 (185 ref.)

Calcium binding induces conformational changes in muscle regulatory proteins. da Silva AC, et al. **Trends Biochem Sci** 1991 Feb;16(2):53–7 (29 ref.)

PHYSIOLOGY

Titin, a huge, elastic sarcomeric protein with a probable role in morphogenesis. Fulton AB, et al. **Bioessays** 1991 Apr; 13(4):157–61 (49 ref.)

Elastic filaments and giant proteins in muscle. Trinick J. **Curr Opin Cell Biol** 1991 Feb;3(1):112–9 (48 ref.)

Vascular smooth muscle contractile elements. Cellular regulation. Stull JT, et al. **Hypertension** 1991 Jun;17(6 Pt 1):723–32 (90 ref.)

MyoD and the regulation of myogenesis by helix–loop–helix proteins. Tapscott SJ, et al. **J Clin Invest** 1991 Apr; 87(4):1133–8 (59 ref.)

Molecular analysis of protein assembly in muscle development. Epstein HF, et al. **Science** 1991 Mar 1; 251(4997):1039–44 (64 ref.)

MUSCLE RELAXANTS, CENTRAL

THERAPEUTIC USE

[Spasticity: therapy of increased reflexes or movement disorder?] Dietz V. **Nervenarzt** 1990 Oct;61(10):581–6 (57 ref.) **(Ger)**

MUSCLE RELAXANTS, DEPOLARIZING see **NEUROMUSCULAR DEPOLARIZING AGENTS**

MUSCLE RELAXANTS, NON-DEPOLARIZING see **CURARE-LIKE AGENTS**

MUSCLE RELAXANTS, POLARIZING see **CURARE-LIKE AGENTS**

MUSCLE RELAXATION

[Studies on plasmalemmal Ca(2+)-pump ATPase--for a better understanding of the mechanisms of relaxation of smooth muscle] Imai S. **Nippon Yakurigaku Zasshi** 1991 Jun;97(6):307–18 (46 ref.) (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Towards an understanding of the mechanism of action of cyclic AMP and cyclic GMP in smooth muscle relaxation. Lincoln TM, et al. **Blood Vessels** 1991;28(1–3):129–37 (37 ref.)

Neuromuscular blocking agents in equine anesthesia. Hildebrand S. **Vet Clin North Am Equine Pract** 1990 Dec; 6(3):587–606 (32 ref.)

PHYSIOLOGY

[Monitoring muscular relaxation] Alvarez Gómez JA, et al. **Rev Esp Anestesiol Reanim** 1991 Jan–Feb;38(1):29–37 (74 ref.) **(Spa)**

MUSCLE RIGIDITY

DIAGNOSIS

Stiff-person syndrome: an autoimmune disease. Blum P, et al. **Mov Disord** 1991;6(1):12–20 (40 ref.)

PHYSIOPATHOLOGY

Pathophysiology of muscle tone. Messina C. **Funct Neurol** 1990 Jul–Sep;5(3):217–23 (45 ref.)

Sudden death and paroxysmal autonomic dysfunction in stiff-man syndrome. Mitsumoto H, et al. **J Neurol** 1991 Apr;238(2):91–6 (42 ref.)

MUSCLE, SMOOTH

Pharmacology of airway smooth muscle in chronic obstructive pulmonary disease and in asthma [published erratum appears in Am Rev Respir Dis 1991 Sep;144(3 Pt 1):733] Black JL. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1177–81 (34 ref.)

ABNORMALITIES

[Segmentary agenesis of the intestinal muscle layer: a rare cause of intestinal obstruction. A case report] Hernández Bermejo JP, et al. **Cir Pediatr** 1990 Oct;3(4):179–80 (9 ref.) (Eng. Abstr.) **(Spa)**

CHEMISTRY

Calponin and the composition of smooth muscle thin filaments [news] Lehman W. **J Muscle Res Cell Motil** 1991 Jun;12(3):221–4 (32 ref.)

DRUG EFFECTS

Action of pinaverium bromide, a calcium-antagonist, on gastrointestinal motility disorders. Christen MO. **Gen Pharmacol** 1990;21(6):821–5 (53 ref.)

Intestinal contractions: excitatory actions of opioids. Burks TF, et al. **NIDA Res Monogr** 1991;105:20–6 (26 ref.)

Potassium channel openers and vascular smooth muscle relaxation. Edwards G, et al. **Pharmacol Ther** 1990; 48(2):237–58 (258 ref.)

Adrenoceptors in airway smooth muscle. Goldie RG, et al. **Pharmacol Ther** 1990;48(3):295–322 (225 ref.)

INNERVATION

Control of human airway smooth muscle. Black JL. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S11–2 (41 ref.)

Lymphatic innervation. McHale NG. **Blood Vessels** 1990; 27(2–5):127–36 (33 ref.)

Abnormalities in neural control of smooth muscle in virus-infected airways. Jacoby DB, et al. **Trends Pharmacol Sci** 1990 Oct;11(10):393–5 (21 ref.)

METABOLISM

The role of phospholipase A2 activating protein (PLAP) in regulating prostanoid production in smooth muscle and endothelial cells following leukotriene D4 treatment. Clark MA, et al. **Adv Exp Med Biol** 1990;275:125–44 (11 ref.)

Ca2(+)-activated K+ currents in smooth muscle. Akbarali H, et al. **Can J Physiol Pharmacol** 1990 Nov;68(11):1489–94 (62 ref.)

Regulation of smooth muscle myosin. Trybus KM. **Cell Motil Cytoskeleton** 1991;18(2):81–5 (25 ref.)

Regulation of cytoplasmic and smooth muscle myosin. Sellers JR. **Curr Opin Cell Biol** 1991 Feb;3(1):98–104 (62 ref.)

Assembly of cytoplasmic and smooth muscle myosins. Trybus KM. **Curr Opin Cell Biol** 1991 Feb;3(1):105–11 (33 ref.)

Phosphorylation of vertebrate smooth muscle and nonmuscle myosin heavy chains in vitro and in intact cells. Kelley CA, et al. **J Cell Sci Suppl** 1991;14:49–54 (31 ref.)

Regulation of the interaction between smooth muscle myosin and actin. Trybus KM, et al. **J Cell Sci Suppl** 1991;14:87–9 (12 ref.)

Calcium release mechanisms in smooth muscle. Iino M. **Jpn J Pharmacol** 1990 Dec;54(4):345–54 (48 ref.)

PATHOLOGY

Hypertrophy of visceral smooth muscle. Gabella G. **Anat Embryol (Berl)** 1990;182(5):409–24 (79 ref.)

[Pathomorphologic principles in various forms of obstructive respiratory tract diseases] Morgenroth K. **Verh Dtsch Ges Inn Med** 1990;96:14–20 (7 ref.) **(Ger)**

PHYSIOLOGY

Putative role of epithelial derived factors in airway smooth muscle reactivity. Raeburn D. **Agents Actions Suppl** 1990; 31:259–74 (45 ref.)

Myosin phosphorylation/dephosphorylation and regulation of airway smooth muscle contractility. de Lanerolle P, et al. **Am J Physiol** 1991 Aug;261(2 Pt 1):L1–14 (138 ref.)

Regulation of the contractile element of airway smooth muscle. Gerthoffer WT. **Am J Physiol** 1991 Aug;261(2 Pt 1):L15–28 (150 ref.)

Calcium channels in smooth muscle. Yu J, et al. **Gastroenterology** 1991 May;100(5 Pt 1):1448–60 (91 ref.)

Direction and speed of actin filaments moving along thick filaments isolated from molluscan smooth muscle. Yamada A, et al. **J Biochem (Tokyo)** 1990 Sep;108(3):341–3 (25 ref.)

Ionic conductances in dissociated smooth muscle cells. Wong BS. **Proc Soc Exp Biol Med** 1991 Jun;197(2):125–34 (110 ref.)

[Calcium regulation of smooth muscle contractility] Karaki H. **Nippon Yakurigaku Zasshi** 1990 Dec;96(6):289–99 (66 ref.) (Eng. Abstr.) **(Jpn)**

[Pyloric sphincter and its role in the regulation of digestive processes] Tutchenko NI, et al. **Klin Khir** 1990;(8):47–50 (54 ref.) **(Rus)**

ULTRASTRUCTURE

Caldesmon and the structure of vertebrate smooth muscle thin filaments. A minireview. Lehman W, et al. **Ann N Y Acad Sci** 1990;599:75–84 (42 ref.)

MUSCLE, SMOOTH, VASCULAR

CHEMISTRY

The phenotypes of smooth muscle expressed in human atheroma. Campbell GR, et al. **Ann N Y Acad Sci** 1990; 598:143–58 (81 ref.)

CYTOLOGY

Regulation of differentiated properties and proliferation of arterial smooth muscle cells. Thyberg J, et al. **Arteriosclerosis** 1990 Nov–Dec;10(6):966–90 (438 ref.)

Factors controlling growth of arterial cells following injury. Reidy MA, et al. **Toxicol Pathol** 1990;18(4 Pt 1):547–53 (21 ref.)

Involvement of fish oils and growth factors in atherogenesis. Fox PL, et al. **World Rev Nutr Diet** 1991;66:255–67 (42 ref.)

[The importance of smooth muscle cell cultures for understanding the physiology and pathophysiology of vascular walls] Bačáková-Reřábková L. **Cesk Fysiol** 1990; 39(5):411–27 (152 ref.) **(Cze)**

[Proliferation of the arterial smooth muscle cells and aging] Desgranges C. **Ann Cardiol Angeiol (Paris)** 1991 May; 40(5):265–79 (196 ref.) **(Fre)**

[The excitation–contraction coupling of the vascular smooth muscle cells] Honoré E, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:9–13 (24 ref.) (Eng. Abstr.) **(Fre)**

[Current data of the membrane receptors of the vascular smooth muscle fibers] Stoclet JC. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:45–52 (30 ref.) (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

New calcium antagonists: relevance of vasoselectivity. Parmley WW. **Am Heart J** 1990 Dec;120(6 (Pt 1)):1408–13 (48 ref.)

Calcium-regulating hormones in hypertension: vascular actions. Bukoski RD, et al. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):220S–226S (89 ref.)

Effects of calcium on vascular smooth muscle tone. Morgan KG, et al. **Am J Hypertens** 1990 Dec;3(12 Pt 2):291S–298S (48 ref.)

Platelet-derived growth factor and its role in atherogenesis: a brief review. Tennant M, et al. **Aust N Z J Surg** 1991 Jul;61(7):482–8 (90 ref.)

Modulation of the action of calcium antagonists in arteries. Godfraind T, et al. **Blood Vessels** 1990;27(2–5):184–96 (23 ref.)

Nifedipine and hypertension: roles of vasodilation and sodium balance. MacGregor GA. **Cardiovasc Drugs Ther** 1989 Jun; 3 Suppl 1:295–301 (30 ref.)

Peptide inhibition of myointimal proliferation by angiopeptin, a somatostatin analogue. Lundergan CF, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):132B–136B (40 ref.)

Pharmacomechanical coupling in vascular smooth muscle cells—an overview. Itoh T. **Jpn J Pharmacol** 1991 Jan; 55(1):1–9 (50 ref.)

Mechanisms of atrial natriuretic factor–induced vasodilation. Winquist RJ, et al. **Pharmacol Ther** 1990;48(3):417–26 (106 ref.)

ENZYMOLOGY

Roles of protein kinase C on the mechanical activity of vascular smooth muscles. Itoh T, et al. **Am J Hypertens** 1990 Aug;3(8 Pt 2):216S–219S (31 ref.)

GROWTH & DEVELOPMENT

[Normal and pathologic growth of arterial smooth muscle] Capron L. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:15–24 (85 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Lymphocyte interacting adhesion molecules on brain microvascular cells. Hart MN, et al. **Mol Immunol** 1990 Dec;27(12):1355–9 (15 ref.)

INNERVATION

Hypernoradrenergic innervation and vascular smooth muscle hyperplastic change. Head RJ. **Blood Vessels** 1991; 28(1–3):173–8 (14 ref.)

Properties of sympathetic neuromuscular transmission and smooth muscle cell membranes in vascular beds. Kitamura K, et al. **Comp Biochem Physiol [C]** 1991;98(1):181–92 (173 ref.)

Basic mechanisms in vascular headache. Moskowitz MA. **Neurol Clin** 1990 Nov;8(4):801–15 (49 ref.)

[Vascular smooth muscle fibers and the autonomic nervous system] Philip I, et al. **Agressologie** 1990 Apr;31(4):179–83 (13 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Presynaptic modulation of sympathetic neurotransmitter release by modulators of cyclic 3',5'-guanosine monophosphate in canine vascular smooth muscle. Greenberg SS, et al. **Ann N Y Acad Sci** 1990;604:305–22 (98 ref.)

Metabolism of n-3/n-6 fatty acids in blood and vascular cells. Lagarde M. **Biochem Soc Trans** 1990 Oct;18(5):770–2 (67 ref.)

Endothelium-dependent relaxations and chronic vasospasm after subarachnoid hemorrhage. Kim P, et al. **Blood Vessels** 1990;27(2–5):263–8 (29 ref.)

Sodium cotransport in vascular smooth muscle cells. O'Donnell ME, et al. **Blood Vessels** 1991;28(1–3):138–46 (27 ref.)

Connective tissue production by vascular smooth muscle in development and disease. Mecham RP, et al. **Chest** 1991 Mar;99(3 Suppl):43S–47S (27 ref.)

Ionic mechanisms regulating sodium entry into vascular smooth muscle. Bobik A, et al. **Clin Exp Pharmacol Physiol** 1991 Feb;18(2):117–20 (27 ref.)

The role of ion antiporters in the maintenance of intracellular pH in rat vascular smooth muscle cells. Hogue D, et al. **Mol Cell Biochem** 1991 Apr 10;102(2):125–37 (64 ref.)

Properties of calcium channels in cardiac muscle and vascular smooth muscle. Sperelakis N. **Mol Cell Biochem** 1990 Dec 20;99(2):97–109 (90 ref.)

LDL-metabolism of the arterial wall—new implications for atherogenesis. Dresel HA, et al. **Z Kardiol** 1990;79 Suppl 3:9–16 (76 ref.)

PATHOLOGY

Mechanisms of vascular smooth muscle cell proliferation. Weissberg PL. **Ann Acad Med Singapore** 1991 Jan; 20(1):38–42 (41 ref.)

Cellular interactions, growth factors, and smooth muscle proliferation in atherogenesis. Ross R, et al. **Ann N Y Acad Sci** 1990;598:102–12 (34 ref.)

Myointimal hyperplasia: pathogenesis and implications. 1. In vitro characteristics. Painter TA. **Artif Organs** 1991 Feb; 15(1):42–55 (164 ref.)

Myointimal hyperplasia: pathogenesis and implications. 2. Animal injury models and mechanical factors. Painter TA. **Artif Organs** 1991 Apr;15(2):103–18 (172 ref.)

Cell culture systems to study progression and inhibition of intimal proliferations [editorial] Betz E. **Basic Res Cardiol** 1991 Mar-Apr;86(2):79–86 (64 ref.)

The macrophage as an initiator of atherosclerosis. Campbell JH, et al. **Clin Exp Pharmacol Physiol** 1991 Feb;18(2):81–4 (11 ref.)

Endothelium and smooth muscle: trophic interactions and potential for therapeutic intervention. Schachter M. **J Hum Hypertens** 1990 Oct;4 Suppl 4:17–20; discussion 20–1 (30 ref.)

Prevention of stenosis after vascular reconstruction: pharmacologic control of intimal hyperplasia—a review. Clowes AW, et al. **J Vasc Surg** 1991 Jun;13(6):885–91 (59 ref.)

Vascular graft intimal fibrous hyperplasia: prospects for pharmacological inhibition. Schoen FJ, et al. **J Vasc Surg** 1991 May;13(5):758–61 (17 ref.)

Atherosclerosis starts in childhood—fact, myth or insinuation? Laron Z. **Z Gerontol** 1991 Mar-Apr;24(2):70–2 (29 ref.)

Pathogenesis of restenosis. A correlation of clinical observations with cellular responses. Haudenschild CC. **Z Kardiol** 1990;79 Suppl 3:17–22 (46 ref.)

[Postmortem indications of hypertension (published erratum appears in Pathologe 1991 May;12(3):174)] Zschoch H. **Pathologe** 1991 Mar;12(2):66–9 (29 ref.) **(Ger)**

PHYSIOLOGY

Fibrin and the vessel wall. Kaplan KL, et al. **Adv Exp Med Biol** 1990;281:313–8 (20 ref.)

Mechanisms of vasoconstriction. Frelin C. **Am Heart J** 1991 Mar;121(3 (Pt 1)):958–60 (35 ref.)

The cellular basis of contraction and relaxation in cardiac and vascular smooth muscle. Morgan JP, et al. **Am Heart J** 1991 Mar;121(3 (Pt 1)):961–8 (37 ref.)

The intracellular calcium-force relationship in vascular smooth muscle. Time- and stimulus-dependent dissociation. Karaki H. **Am J Hypertens** 1990 Aug;3(8 Pt 2):253S–256S (35 ref.)

The phosphatidylinositol pathway of platelets and vascular cells. Majerus PW, et al. **Ann N Y Acad Sci** 1991;614:44–50 (49 ref.)

A comparison of ectonucleotidase activities on vascular endothelial and smooth muscle cells. Slakey LL, et al. **Ann N Y Acad Sci** 1990;603:366–78; discussion 378–9 (18 ref.)

Role of potassium channels in the vascular response to endogenous and pharmacological vasodilators. Brayden JE, et al. **Blood Vessels** 1991;28(1–3):147–53 (35 ref.)

Receptor regulation of atrial natriuretic factor. Chabrier PE, et al. **Blood Vessels** 1990;27(2–5):153–61 (37 ref.)

Towards an understanding of the mechanism of action of cyclic AMP and cyclic GMP in smooth muscle relaxation. Lincoln TM, et al. **Blood Vessels** 1991;28(1–3):129–37 (37 ref.)

Variable receptor affinity and tissue sensitivity. Oriowo MA, et al. **Blood Vessels** 1991;28(1–3):115–21 (36 ref.)

Endothelium-dependent contractions. Vanhoutte PM, et al. **Blood Vessels** 1991;28(1–3):74–83 (44 ref.)

The role of calcium in the control of vascular tone as assessed by the Ca2+ indicator aequorin. Morgan KG. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1355–62 (23 ref.)

Vascular smooth muscle. A review of the molecular basis of contractility. Hathaway DR, et al. **Circulation** 1991 Feb; 83(2):382–90 (114 ref.)

Local control of human peripheral vascular tone: implications for drug therapy. Benjamin N, et al. **Clin Sci** 1991 Mar; 80(3):183–90 (100 ref.)

Pressure and flow-dependent vascular tone. Bevan JA, et al. **FASEB J** 1991 Jun;5(9):2267–73 (79 ref.)

Vascular smooth muscle contractile elements. Cellular regulation. Stull JT, et al. **Hypertension** 1991 Jun;17(6 Pt 1):723–32 (90 ref.)

Local mechanisms of blood flow control by perivascular nerves and endothelium. Burnstock G. **J Hypertens Suppl** 1990 Dec;8(7):S95–106 (142 ref.)

Kinetics of response and drug action. Osman R, et al. **Neuropsychopharmacology** 1990 Oct-Dec;3(5–6):417–25 (33 ref.)

Ionic conductances in dissociated smooth muscle cells. Wong BS. **Proc Soc Exp Biol Med** 1991 Jun;197(2):125–34 (110 ref.)

Smooth muscle diversity in arterial wound repair. Majesky MW, et al. **Toxicol Pathol** 1990;18(4 Pt 1):554–9 (27 ref.)

[Calcium kinetics in vascular smooth muscle cell] Gao YQ, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):305–9 (40 ref.) **(Chi)**

[Calcium-calmodulin and vasomotor activity] Lugnier C. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:25–34 (35 ref.) (Eng. Abstr.) **(Fre)**

[Review: heparin. 2. Effect on thrombocytes, vascular walls and fibrinolysis] Kaše F, et al. **Folia Haematol (Leipz)** 1990; 117(6):905–15 (96 ref.) (Eng. Abstr.) **(Ger)**

[Studies on plasmalemmal Ca(2+)-pump ATPase—for a better understanding of the mechanisms of relaxation of smooth muscle] Imai S. **Nippon Yakurigaku Zasshi** 1991 Jun;97(6):307–18 (46 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Macrophage influence on smooth muscle phenotype in atherogenesis. Campbell GR, et al. **Adv Exp Med Biol** 1990; 273:147–59 (62 ref.)

Interactions of lipoproteins with vascular intima in atherosclerosis. Smith EB. **Biochem Soc Trans** 1991 Feb; 19(1):235–41 (38 ref.)

Pathophysiological role of the vascular smooth muscle cell. Michel JB, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 1:S4–11 (54 ref.)

[Arteriosclerosis. Cellular biology aspects] Heinle H. **Med Monatsschr Pharm** 1990 Oct 10;13(10):313–7 (10 ref.) **(Ger)**

[Pathophysiologic principles of cor pulmonale] Seeger W, et al. **Verh Dtsch Ges Inn Med** 1990;96:397–413 (49 ref.) **(Ger)**

[Cerebral vasospasm and the protein kinase C-mediated contractile system] Asano T, et al. **No Shinkei Geka** 1991 Mar;19(3):207–19 (104 ref.) **(Jpn)**

[Leukotrienes and myocardial ischemia] Moĭbenko AA, et al. **Kardiologiia** 1991 May;31(5):79–82 (92 ref.) **(Rus)**

[Calcium and arterial hypertension] Drzhevetskiĭ IuM. **Sov Med** 1991;(3):34–6 (38 ref.) **(Rus)**

MUSCLE SPASTICITY

see related
SPASM

DRUG THERAPY

Vigabatrin. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in epilepsy and disorders of motor control. Grant SM, et al. **Drugs** 1991 Jun;41(6):889–926 (159 ref.)

Intrathecal baclofen overdose: report of 7 events in 5 patients and review of the literature. Delhaas EM, et al. **Int J Clin Pharmacol Ther Toxicol** 1991 Jul;29(7):274–80 (41 ref.)

PHYSIOPATHOLOGY

Electrophysiological assessment of the spinal mechanisms underlying spasticity. Pierrot-Deseilligny E. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:264–73 (51 ref.)

Pathophysiology of muscle tone. Messina C. **Funct Neurol** 1990 Jul-Sep;5(3):217–23 (45 ref.)

PSYCHOLOGY

Chronic musculoskeletal pain: a cognitive approach to psychophysiologic assessment and intervention. Ciccone DS, et al. **Adv Clin Rehabil** 1990;3:197–214 (26 ref.)

THERAPY

[Spasticity: therapy of increased reflexes or movement disorder?] Dietz V. **Nervenarzt** 1990 Oct;61(10):581–6 (57 ref.) **(Ger)**

MUSCLE TONUS

Pressure and flow-dependent vascular tone. Bevan JA, et al. **FASEB J** 1991 Jun;5(9):2267–73 (79 ref.)

DRUG EFFECTS

Effects of calcium on vascular smooth muscle tone. Morgan KG, et al. **Am J Hypertens** 1990 Dec;3(12 Pt 2):291S–298S (48 ref.)

Superoxide anion and endothelial regulation of arterial tone. Katušić ZS, et al. **Semin Perinatol** 1991 Feb;15(1):30–3 (28 ref.)

PHYSIOLOGY

The power transfer from the neuromuscular machinery to its load as a vegetative and somatic behaviour. Federici A, et al. **Funct Neurol** 1990 Jul-Sep;5(3):233–7 (19 ref.)

Pathophysiology of muscle tone. Messina C. **Funct Neurol** 1990 Jul-Sep;5(3):217–23 (45 ref.)

[Modulation of coronary tone: the role of the endothelium] Bassenge E. **G Ital Cardiol** 1990 Nov;20(11):1062–9 (91 ref.) **(Ita)**

MUSCLES

see related
SARCOLEMMA
SARCOPLASMIC RETICULUM

Muscle pain in neuromuscular disorders and primary fibromyalgia. Henriksson KG. **Neurologija** 1989; 38(3):213–21 (25 ref.)

ABNORMALITIES

Trigger finger secondary to anomalous lumbrical insertion: a case report and review of the literature. Bartell TH, et al. **Plast Reconstr Surg** 1991 Feb;87(2):354–7 (45 ref.)

ANATOMY & HISTOLOGY

Identification of muscle flaps in small animals. Gregory CR, et al. **Microsurgery** 1991;12(2):136–9 (16 ref.)

Anatomical changes in chronically stimulated skeletal muscles. Hudlicka O. **Semin Thorac Cardiovasc Surg** 1991 Apr;3(2):106–10 (33 ref.)

BLOOD SUPPLY

Monitoring in microvascular surgery. Furnas H, et al. **Ann Plast Surg** 1991 Mar;26(3):265–72 (75 ref.)

The mechanism of exertional fatigue in heart failure. Wilson JR, et al. **Cardioscience** 1990 Mar;1(1):13–7 (24 ref.)

Protection of the ischemic skeletal muscle. Beyersdorf F. **Thorac Cardiovasc Surg** 1991 Feb;39(1):19–28 (68 ref.)

CHEMISTRY

Ion channels in nerve and muscle cells. Gordon D. **Curr Opin Cell Biol** 1990 Aug;2(4):695–707 (41 ref.)

Cellular and molecular diversities of mammalian skeletal muscle fibers. Pette D, et al. **Rev Physiol Biochem Pharmacol** 1990;116:1–76 (648 ref.)

CYTOLOGY

The proliferation and fusion of myoblasts in vivo. Grounds MD. **Adv Exp Med Biol** 1990;280:101–4; discussion 104–6 (17 ref.)

Myoblasts, satellite cells, and myoblast transfer. Stockdale FE, et al. **Adv Exp Med Biol** 1990;280:7–11 (30 ref.)

"Professional" and "nonprofessional" contractile cells in the lung. Schmidt RA, et al. **Am J Respir Cell Mol Biol** 1990 Dec;3(6):513–4 (8 ref.)

Autonomous expression of the differentiation programs of cells in the cardiac and skeletal myogenic lineages. Holtzer H, et al. **Ann N Y Acad Sci** 1990;599:158–69 (20 ref.)

Hormones, growth factors, and myogenic differentiation. Florini JR, et al. **Annu Rev Physiol** 1991;53:201–16 (89 ref.)

Application of germline transformation to the study of myogenesis. Shani M. **Biotechnology** 1991;16:55–64 (31 ref.)

Cell adhesion molecules in myogenesis. Knudsen KA. **Curr Opin Cell Biol** 1990 Oct;2(5):902–6 (15 ref.)

Muscle cell differentiation and alternative splicing. Nadal-Ginard B. **Curr Opin Cell Biol** 1990 Dec; 2(6):1058–64 (11 ref.)

The myoD gene family: nodal point during specification of the muscle cell lineage. Weintraub H, et al. **Science** 1991 Feb 15;251(4995):761–6 (69 ref.)

DRUG EFFECTS

Muscle necrosis caused by snake venoms and toxins. Harris JB, et al. **Electron Microsc Rev** 1990;3(2):183–211 (75 ref.)

[Excitation–contraction coupling in skeletal muscle: characteristics of biphasic potassium contractures] Takauji M, et al. **Nippon Seirigaku Zasshi** 1991;53(4):117–35 (94 ref.) **(Jpn)**

EMBRYOLOGY

Myoblast diversity and the formation of the early limb musculature. Stockdale FE. **Ann N Y Acad Sci** 1990; 599:111–8 (53 ref.)

Titin, a huge, elastic sarcomeric protein with a probable role in morphogenesis. Fulton AB, et al. **Bioessays** 1991 Apr; 13(4):157–61 (49 ref.)

Myogenesis and developmental control genes. Emerson CP. **Curr Opin Cell Biol** 1990 Dec;2(6):1065–75 (26 ref.)

MyoD family: a paradigm for development? Olson EN. **Genes Dev** 1990 Sep;4(9):1454–61 (63 ref.)

Developmental histories in amphibian myogenesis. Radice GP, et al. **Int J Dev Biol** 1989 Sep;33(3):325–43 (142 ref.)

ENZYMOLOGY

Adult phosphorylase b kinase deficiency. Clemens PR, et al. **Ann Neurol** 1990 Oct;28(4):529–38 (55 ref.)

Photoaffinity labeling of pyruvate kinase from rabbit muscle. Bazaes S, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun; 21(1):123–7 (27 ref.)

Phosphofructokinase activity and acidosis during short-term tetanic contractions. Spriet LL. **Can J Physiol Pharmacol** 1991 Feb;69(2):298–304 (46 ref.)

Where is the glycolytic complex? A critical evaluation of present data from muscle tissue. Brooks SP, et al. **FEBS Lett** 1991 Jan 28;278(2):135–8 (35 ref.)

Kinetic analysis of regulated myosin ATPase activity using single and limited turnover assays. Ankrett RJ, et al. **J Cell Sci Suppl** 1991;14:1–5 (14 ref.)

Muscle glycogenosis. Moses SW. **J Inherited Metab Dis** 1990; 13(4):452–65 (50 ref.)

The pentose phosphate pathway in skeletal muscle under patho-physiological conditions. A combined histochemical and biochemical study. Meijer AE. **Prog Histochem Cytochem** 1991;22(2):1–118 (424 ref.)

[Changes in carnitine metabolism. A case report about probable partial deficiency of muscle carnitine palmitoyltransferase] De Prà M, et al. **Pediatr Med Chir** 1990 Jul–Aug;12(4):397–403 (34 ref.) (Eng. Abstr.) **(Ita)**

[Hormonal regulation of lipoprotein lipase activity] Piskorska D, et al. **Przegl Lek** 1990;47(11):760–2 (43 ref.) **(Pol)**

[Rabbit muscle aldolase; intermolecular interactions and their possible role in in-vivo functioning] Sytnik AI, et al. **Ukr Biokhim Zh** 1991 Jan–Feb;63(1):3–12 (80 ref.) (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

MyoD: a regulatory gene of skeletal myogenesis. Tapscott SJ, et al. **Adv Exp Med Biol** 1990;280:3–5; discussion 5–6 (13 ref.)

Cellular and biochemical aspects of muscle differentiation. Muntz L. **Comp Biochem Physiol [B]** 1990;97(2):215–25 (84 ref.)

Molecular analysis of protein assembly in muscle development. Epstein HF, et al. **Science** 1991 Mar 1; 251(4997):1039–44 (64 ref.)

IMMUNOLOGY

N-CAM is a target cell surface antigen for the purification of muscle cells for myoblast transfer therapy. Walsh FS. **Adv Exp Med Biol** 1990;280:41–5; discussion 46 (18 ref.)

Origin and significance of anti-heart and anti-skeletal muscle autoantibodies in Chagas' disease. Laguens RP, et al. **Res Immunol** 1991 Feb;142(2):160–3 (17 ref.)

INJURIES

Quadriceps contusions. West Point update. Ryan JB, et al. **Am J Sports Med** 1991 May–Jun;19(3):299–304 (22 ref.)

Triceps brachii injuries. Holleb PD, et al. **Sports Med** 1990 Oct;10(4):273–6 (19 ref.)

INNERVATION

Introduction to the functional anatomy of the mammalian motor unit. Frischknecht R, et al. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):401–15 (60 ref.)

Conduction velocity along muscle fibers in situ in healthy infants. Cruz Martínez A, et al. **Electromyogr Clin Neurophysiol** 1990 Nov;30(7):443–8 (19 ref.)

The power transfer from the neuromuscular machinery to its load as a vegetative and somatic behaviour. Federici A, et al. **Funct Neurol** 1990 Jul–Sep;5(3):233–7 (19 ref.)

Magnetic stimulation of the human cerebral cortex, an indicator of reorganization in motor pathways in certain pathological conditions. Cohen LG, et al. **J Clin Neurophysiol** 1991 Jan;8(1):56–65 (60 ref.)

Magnetic stimulation of cortex: clinical applications. Murray NM. **J Clin Neurophysiol** 1991 Jan;8(1):66–76 (55 ref.)

Specification of synaptic connections mediating the simple stretch reflex. Frank E, et al. **J Exp Biol** 1990 Oct;153:71–84 (34 ref.)

A review of techniques employed to estimate the number of motor units in a muscle. Slawnych MP, et al. **Muscle Nerve** 1990 Nov;13(11):1050–64 (68 ref.)

A recruitment theory of force–time relations in the production of brief force pulses: the parallel force unit model. Ulrich R, et al. **Psychol Rev** 1991 Apr;98(2):268–94 (95 ref.)

Presynaptic inhibition of muscle spindle and tendon organ afferents in the mammalian spinal cord. Rudomin P. **Trends Neurosci** 1990 Dec;13(12):499–505 (75 ref.)

[Spasticity: therapy of increased reflexes or movement disorder?] Dietz V. **Nervenarzt** 1990 Oct;61(10):581–6 (57 ref.) **(Ger)**

[Current theories on the neurotropic control (review of the literature)] Khabirov FA, et al. **Zh Nevropatol Psikhiatr** 1991;91(4):113–6 (95 ref.) **(Rus)**

METABOLISM

Localization of muscle gene products in nuclear domains: does this constitute a problem for myoblast therapy? Blau HM, et al. **Adv Exp Med Biol** 1990;280:167–72 (16 ref.)

Immunochemical analyses of the myoblast membrane and lineage. Kaufman SJ. **Adv Exp Med Biol** 1990;280:47–54; discussion 55 (22 ref.)

Mouse chimeras and genetic rescue of mosaic muscle. Peterson A, et al. **Adv Exp Med Biol** 1990;280:173–85 (36 ref.)

Properties of calcium release channels of the intracellular calcium store in muscle cells. Endo M, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:122–7 (21 ref.)

Cytokines and glucocorticoids in the regulation of the "hepato–skeletal muscle axis" in sepsis. Fischer JE, et al. **Am J Surg** 1991 Feb;161(2):266–71 (30 ref.)

Ischemia/reperfusion injury in skeletal muscle. Walker PM. **Ann Vasc Surg** 1991 Jul;5(4):399–402 (27 ref.)

Phosphorus magnetic resonance spectroscopy in nutritional research. Argov Z, et al. **Annu Rev Nutr** 1991;11:449–64 (31 ref.)

Defects of fatty-acid oxidation in muscle. Angelini C. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):561–82 (59 ref.)

Normal metabolism and disorders of carbohydrate metabolism. de Barsy T, et al. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):499–522 (85 ref.)

Muscle metabolism during fatigue and work. Layzer RB. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):441–59 (47 ref.)

Protein turnover and amino acid metabolism in human skeletal muscle. Smith K, et al. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):461–98 (185 ref.)

In vivo NMR spectroscopy. Allen PS. **Basic Life Sci** 1990; 55:419–26 (24 ref.)

Regulation of protein turnover in skeletai and cardiac muscle. Sugden PH, et al. **Biochem J** 1991 Jan 1;273(Pt 1):21–37 (367 ref.)

Energy metabolism and fatigue during intense muscle contraction. Hultman E, et al. **Biochem Soc Trans** 1991 Apr;19(2):347–53 (36 ref.)

How important is endogenous muscle glycogen to fatigue in prolonged exercise? Green HJ. **Can J Physiol Pharmacol** 1991 Feb;69(2):290–7 (71 ref.)

Role of exercise-induced potassium fluxes underlying muscle fatigue: a brief review. Sjøgaard G. **Can J Physiol Pharmacol** 1991 Feb;69(2):238–45 (106 ref.)

Biochemical analysis of L-type calcium channels from skeletal and cardiac muscle. Tuana BS, et al. **Can J Physiol Pharmacol** 1990 Nov;68(11):1482–8 (49 ref.)

Metabolic and mitochondrial myopathies. Wortmann RL. **Curr Opin Rheumatol** 1989 Dec;1(4):427–31 (15 ref.)

The molecular structure and regulation of muscular calcium channels. Hofmann F, et al. **Curr Top Cell Regul** 1990; 31:223–39 (96 ref.)

In vivo measurements of protein turnover during muscle growth and atrophy. Samarel AM. **FASEB J** 1991 Apr; 5(7):2020–8 (44 ref.)

Lactography as an approach to monitor glucose metabolism on-line in brain and muscle. Korf J, et al. **Int J Biochem** 1990;22(12):1371–8 (49 ref.)

The ischymetric control of feeding. Nicolaïdis S, et al. **Int J Obes** 1990;14 Suppl 3:35–49; discussion 50–2 (29 ref.)

Lipase regulation of muscle triglyceride hydrolysis. Oscai LB, et al. **J Appl Physiol** 1990 Nov;69(5):1571–7 (63 ref.)

Caldesmon, a novel regulatory protein in smooth muscle and nonmuscle actomyosin systems. Sobue K, et al. **J Biol Chem** 1991 Jul 5;266(19):12115–8 (89 ref.)

Relation of phosphatidylinositol metabolism to glycolytic pathway in skeletal muscle membranes. Heilmeyer LM Jr, et al. **Mol Cell Biochem** 1990 Dec 20;99(2):111–6 (13 ref.)

Catabolic illness. Strategies for enhancing recovery. Wilmore DW. **N Engl J Med** 1991 Sep 5;325(10):695–702 (56 ref.)

Muscle provides glutamine to the immune system. **Nutr Rev** 1990 Oct;48(10):390–2 (11 ref.)

Non-ligand-activated chloride channels of skeletal muscle and epithelia. Vaughan PC, et al. **Prog Biophys Mol Biol** 1989;54(1):59–79 (87 ref.)

Cell surface ATP (P2y) purinoceptors trigger and modulate multiple calcium fluxes in skeletal muscle cells. Häggblad J, et al. **Prog Brain Res** 1990;84:111–6 (18 ref.)

Physiologic measurement of exercise and fatigue with special reference to chronic fatigue syndrome. Lewis SF, et al. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S98–108 (69 ref.)

Functional studies of Ca2+ channels from plasmalemma and sarcoplasmic reticulum membranes in muscle cells. García J, et al. **Semin Cell Biol** 1990 Aug;1(4):255–64 (140 ref.)

Contractile proteins of fatigue-resistant muscle. Carraro U. **Semin Thorac Cardiovasc Surg** 1991 Apr;3(2):111–5 (31 ref.)

Regulation of glycogen resynthesis following exercise. Dietary considerations. Friedman JE, et al. **Sports Med** 1991 Apr;11(4):232–43 (68 ref.)

Muscle glycogen synthesis before and after exercise. Ivy JL. **Sports Med** 1991 Jan;11(1):6–19 (55 ref.)

Function of vitamin E in physical exercise: a review. Gerster H. **Z Ernahrungswiss** 1991 Jun;30(2):89–97 (38 ref.)

[Spectroscopy of phosphorus in nuclear magnetic resonance. General review of clinical applications to the study of human skeletal muscle] Kaminsky P, et al. **Rev Med Interne** 1991 Mar–Apr;12(2):128–30, 133–8 (52 ref.) (Eng. Abstr.) **(Fre)**

[Myogenic hyperuricemia] Mineo I, et al. **Nippon Rinsho** 1991 May;49(5):1043–9 (20 ref.) **(Jpn)**

[New data on the regulation of glucose transport to skeletal muscle cells] Krawczuk I, et al. **Pol Tyg Lek** 1990 May 7–14;45(19–20):401–4 (50 ref.) **(Pol)**

PATHOLOGY

Anatomy of the extrinsic spinal muscles related to the deformities of scoliosis. Nudelman W, et al. **Acta Anat (Basel)** 1990;139(3):220–5 (17 ref.)

Bilateral intradeltoid ossification: a cause of glenohumeral abduction contracture. Mylle J, et al. **Acta Orthop Belg** 1991;57(2):195–8 (7 ref.)

Hereditary human myopathies in muscle culture. Meola G. **Ital J Neurol Sci** 1991 Jun;12(3):257–68 (66 ref.)

Evaluation of animal models for the study of exercise-induced muscle enlargement. Timson BF. **J Appl Physiol** 1990 Dec;69(6):1935–45 (117 ref.)

[Schwartz-Jampel syndrome. Clinical and histopathological study of 4 cases] Ben Hamida M, et al. **Rev Neurol (Paris)** 1991;147(4):279–84 (15 ref.) (Eng. Abstr.) **(Fre)**

[Manifestations in skeletal muscle] Pongratz D. **Verh Dtsch Ges Inn Med** 1990;96:575–81 (8 ref.) **(Ger)**

[Neurogenic tissue syndrome. Review and specific results] Ziegan JB. **Zentralbl Allg Pathol** 1990;136(6):537–47 (34 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Exercise-induced muscle fatigue: the significance of potassium. Sjøgaard G. **Acta Physiol Scand Suppl** 1990; 593:1-63 (238 ref.)

Regeneration of skeletal muscle fibers after necrosis. Carpenter S. **Adv Exp Med Biol** 1990;280:13-5 (10 ref.)

Biomagnetic studies of peripheral nerves and skeletal muscle. Roth BJ. **Adv Neurol** 1990;54:101-17 (60 ref.)

Age-related changes in skeletal muscle function. McCarter RJ. **Aging (Milano)** 1990 Mar;2(1):27-38 (64 ref.)

Hepatic fuel metabolism during muscular work: role and regulation [editorial] Wasserman DH, et al. **Am J Physiol** 1991 Jun;260(6 Pt 1):E811-24 (112 ref.)

Cellular mechanisms of fatigue in skeletal muscle. Westerblad H, et al. **Am J Physiol** 1991 Aug;261(2 Pt 1):C195-209 (132 ref.)

Regulation of ATP hydrolysis by caldesmon. A novel change in the interaction of myosin with actin. Chalovich JM, et al. **Ann N Y Acad Sci** 1990;599:85-99 (74 ref.)

Excitation-contraction coupling and the mechanism of muscle contraction. Ebashi S. **Annu Rev Physiol** 1991; 53:1-16 (92 ref.)

The response of muscle to enhanced and reduced activity. Hudlicka O. **Baillieres Clin Endocrinol Metab** 1990 Sep; 4(3):417-39 (114 ref.)

Control of gene expression in adult skeletal muscle by changes in the inherent level of contractile activity. Booth FW, et al. **Biochem Soc Trans** 1991 Apr;19(2):374-8 (28 ref.)

Monoclonal antibody probes for nicotinic receptors of muscles and nerves. Lindstrom J, et al. **Biochem Soc Trans** 1991 Feb;19(1):115-20 (77 ref.)

Ocular muscles: physiology and structure-function correlations. Ruff R, et al. **Bull Soc Belge Ophtalmol** 1989; 237:321-52 (125 ref.)

Biochemical adaptations to training: implications for resisting muscle fatigue. McCully KK, et al. **Can J Physiol Pharmacol** 1991 Feb;69(2):274-8 (20 ref.)

Factors contributing to increased muscle fatigue with beta-blockers. McKelvie RS, et al. **Can J Physiol Pharmacol** 1991 Feb;69(2):254-61 (69 ref.)

The remodelling of skeletal muscle for indefatigable hemodynamic work. Odim JN, et al. **Can J Physiol Pharmacol** 1991 Feb;69(2):230-7 (29 ref.)

Fatigue of mammalian skeletal muscle in situ during repetitive contractions. Stainsby WN, et al. **Can J Physiol Pharmacol** 1991 Feb;69(2):226-9 (11 ref.)

Excitation-contraction coupling in vertebrate skeletal muscle: a tale of two calcium channels. Catterall WA. **Cell** 1991 Mar 8;64(5):871-4 (27 ref.)

Strength recovery and muscle activation of the knee extensor and flexor muscles after arthroscopic meniscectomy. A pilot study. Durand A, et al. **Clin Orthop** 1991 Jan; (262):210-26 (76 ref.)

Scientific, medical, and practical aspects of stretching. Anderson B, et al. **Clin Sports Med** 1991 Jan;10(1):63-86 (30 ref.)

The aging of bone and muscle. Wilmore JH. **Clin Sports Med** 1991 Apr;10(2):231-44 (61 ref.)

Paramyosin and the catch mechanism. Watabe S, et al. **Comp Biochem Physiol [B]** 1990;96(4):639-46 (49 ref.)

Neurotransmitters and neuromodulators controlling the anterior byssus retractor muscle of Mytilus edulis. Muneoka Y, et al. **Comp Biochem Physiol [C]** 1991;98(1):105-14 (53 ref.)

Muscle growth and exercise. Pearson AM. **Crit Rev Food Sci Nutr** 1990;29(3):167-96 (240 ref.)

Advances in muscle physiology. Sjöström M. **Curr Opin Rheumatol** 1989 Dec;1(4):450-9 (32 ref.)

Physiology and clinical applications of hand muscle reflexes. Deuschl G, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:84-101 (96 ref.)

Methodological and physiological aspects of motor evoked potentials. Rossini PM. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:124-33 (47 ref.)

Long latency reflexes of human arm muscles in health and disease. Rothwell JC. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:251-63 (52 ref.)

Hypoxia: on the borderline between physiology and pathophysiology. A foreword. Bauer C. **Experientia** 1990 Dec 1;46(11-12):1157-60 (0 ref.)

Role of the Z band in the mechanical properties of the heart. Goldstein MA, et al. **FASEB J** 1991 May;5(8):2167-74 (50 ref.)

Tibialis posterior: a review of anatomy and biomechanics in relation to support of the medial longitudinal arch. Kaye RA, et al. **Foot Ankle** 1991 Feb;11(4):244-7 (31 ref.)

Electrical excitability of skeletal muscle postmortem in casework. Madea B, et al. **Forensic Sci Int** 1990 Oct; 47(3):207-27 (54 ref.)

The dihydropyridine-sensitive calcium channel of the skeletal muscle: biochemistry and structure. Nastainczyk W, et al. **Gen Physiol Biophys** 1990 Aug;9(4):321-9 (37 ref.)

Developmental changes in acetylcholine receptor channel properties of vertebrate skeletal muscle. Kidokoro Y. **Ion Channels** 1988;1:163-82 (57 ref.)

The role of chemosensitive muscle receptors in cardiorespiratory regulation during exercise. Tallarida G, et al. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S155-61 (21 ref.)

Mechanisms relating force and high-frequency stiffness in skeletal muscle. Bobet J, et al. **J Biomech** 1990;23 Suppl 1:13-21 (25 ref.)

Muscle performance evaluation in orthopaedic practice. Sapega AA. **J Bone Joint Surg [Am]** 1990 Dec; 72(10):1562-74 (161 ref.)

The influence of pressure on actin and myosin interactions in solution and in single muscle fibres. Geeves MA. **J Cell Sci Suppl** 1991;14:31-5 (26 ref.)

MyoD and the regulation of myogenesis by helix-loop-helix proteins. Tapscott SJ, et al. **J Clin Invest** 1991 Apr; 87(4):1133-8 (59 ref.)

Cellular magnetic fields: fundamental and applied measurements on nerve axons, peripheral nerve bundles, and skeletal muscle. Wikswo JP Jr, et al. **J Clin Neurophysiol** 1991 Apr;8(2):170-88 (57 ref.)

Uncultured lobster muscle, cultured neurons and brain slices: the neurophysiology of zinc. Smart TG. **J Pharm Pharmacol** 1990 Jun;42(6):377-87 (68 ref.)

J.B. Wolffe memorial lecture. Biomechanics: a bridge builder among the sport sciences. Cavanagh PR. **Med Sci Sports Exerc** 1990 Oct;22(5):546-57 (81 ref.)

AAEM minimonograph #11: Needle examination in clinical electromyography. Daube JR. **Muscle Nerve** 1991 Aug; 14(8):685-700 (29 ref.)

AAEM minimonograph #3: motor unit recruitment. Petajan JH. **Muscle Nerve** 1991 Jun;14(6):489-502 (99 ref.)

Towards understanding skeletal muscle regeneration. Grounds MD. **Pathol Res Pract** 1991 Jan;187(1):1-22 (222 ref.)

Molecular and cellular adaptation of muscle in response to exercise: perspectives of various models. Booth FW, et al. **Physiol Rev** 1991 Apr;71(2):541-85 (440 ref.)

Voltage sensor of excitation-contraction coupling in skeletal muscle. Ríos E, et al. **Physiol Rev** 1991 Jul;71(3):849-908 (435 ref.)

Computations underlying the execution of movement: a biological perspective. Bizzi E, et al. **Science** 1991 Jul 19; 253(5017):287-91 (20 ref.)

Functional subunit structure of voltage-gated calcium channels. Catterall WA. **Science** 1991 Sep 27; 253(5027):1499-500 (17 ref.)

Acute and chronic responses of skeletal muscle to endurance and sprint exercise. A review. Abernethy PJ, et al. **Sports Med** 1990 Dec;10(6):365-89 (188 ref.)

Sodium bicarbonate ingestion and exercise performance. An update. Linderman J, et al. **Sports Med** 1991 Feb;11(2):71-7 (30 ref.)

[Transcranial magnetic stimulation motor evoked potentials] Gao ZQ, et al. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1990 Oct; 23(5):309-11 (21 ref.) **(Chi)**

[Spinal cord regulation of somatic functions in mammals] Druga R, et al. **Cesk Fysiol** 1990;39(5):377-97 (79 ref.) **(Cze)**

[Muscle strength measurement--principles, techniques, application] Dvir Z. **Harefuah** 1990 Dec 16;119(12):447-50 (19 ref.) **(Heb)**

[External urethral sphincter] Yachiku S. **Nippon Hinyokika Gakkai Zasshi** 1989;80(13 Suppl):1855-65 (50 ref.) **(Jpn)**

[The role of the myoblasts and connective tissue in the regeneration of the limbs in amphibians] Hinterberger TJ, et al. **Ontogenez** 1990 Jul-Aug;21(4):341-57 (88 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Skeletal muscle weakness and fatigue in old age: underlying mechanisms. Faulkner JA, et al. **Annu Rev Gerontol Geriatr** 1990;10:147-66 (65 ref.)

Fibrillation potentials and positive sharp waves: are they the same? Kraft GH. **Electroencephalogr Clin Neurophysiol** 1991 Jun;81(3):163-6 (30 ref.)

Acquired flatfoot secondary to tibialis posterior dysfunction: biomechanical aspects. Mueller TJ. **J Foot Surg** 1991 Jan-Feb;30(1):2-11 (32 ref.)

Clinical neurophysiology of akinesia. Hallett M. **Rev Neurol (Paris)** 1990;146(10):585-90 (39 ref.)

[Pharmacology-biochemistry and physiopathology of tardive dyskinesia: review of the latest findings and controversies] Gómez-Galera A. **Arch Biol Med Exp (Santiago)** 1988 Jun; 21(1):65-9 (35 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Calf augmentation and correction of contour deformities. Howard PS. **Clin Plast Surg** 1991 Jul;18(3):601-13 (11 ref.)

Surgery of the Achilles tendon and posterior muscle group. Feehery RV Jr. **Clin Podiatr Med Surg** 1991 Jul;8(3):513-42 (14 ref.)

TRANSPLANTATION

Issues in myoblast transfer. Brooke MH. **Adv Exp Med Biol** 1990;280:231-3 (0 ref.)

The principles and practice of myoblast transfer. Karpati G. **Adv Exp Med Biol** 1990;280:69-74 (23 ref.)

Immunological aspects of histoincompatible myoblast transfer into non-tolerant hosts. Karpati G. **Adv Exp Med Biol** 1990;280:31-4 (7 ref.)

Plausible structural/functional/behavioral/biochemical transformations following myoblast transfer therapy. Law PK, et al. **Adv Exp Med Biol** 1990;280:241-9; discussion 249-50 (25 ref.)

Practical aspects of myoblast implantation: investigations on two inherited myopathies in animals. Morgan JE. **Adv Exp Med Biol** 1990;280:89-94; discussion 95-6 (16 ref.)

A comparison of long-term survival of muscle precursor cell suspensions and minced muscle allografts in the non-tolerant mouse. Watt DJ. **Adv Exp Med Biol** 1990; 280:35-8; discussion 39 (17 ref.)

Skeletal muscle. New techniques for treating heart failure. Koroteyev A, et al. **AORN J** 1991 Apr;53(4):1005-20 (28 ref.)

The lower trapezius island musculocutaneous flap revisited. Report of 45 cases and a unifying concept of the vascular supply. Urken ML, et al. **Arch Otolaryngol Head Neck Surg** 1991 May;117(5):502-11 (21 ref.)

Muscle flap coverage for the lower extremity. Guzman-Stein G, et al. **Clin Plast Surg** 1991 Jul;18(3):545-52 (19 ref.)

Invited review: myoblast transfer: a possible therapy for inherited myopathies? Partridge TA. **Muscle Nerve** 1991 Mar;14(3):197-212 (126 ref.)

Dynamic cardiomyoplasty: an overview. Chiu RC. **PACE Pacing Clin Electrophysiol** 1991 Apr;14(4 Pt 1):577-84 (30 ref.)

Autologous skeletal muscle, an alternative for cardiac assistance. Ruggiero R, et al. **PACE Pacing Clin Electrophysiol** 1991 Mar;14(3):480-91 (38 ref.)

Skeletal muscle as a myocardial substitute. Anderson DR, et al. **Proc Soc Exp Biol Med** 1991 Jun;197(2):109-18 (44 ref.)

The potential power output for skeletal muscle to provide cardiac assistance. Badylak SF. **Semin Thorac Cardiovasc Surg** 1991 Apr;3(2):116-8 (29 ref.)

[Treatment of trapezius paralysis by transfer of the levator scapulae] Teinturier P, et al. **Rev Chir Orthop** 1990; 76(5):297-302 (19 ref.) (Eng. Abstr.) **(Fre)**

[The use of skeletal muscles for assisting the failing heart] Andersen J, et al. **Grud Serdechnososudistaia Khir** 1990 Aug;(8):36-42 (17 ref.) **(Rus)**

[The use of skeletal muscles for assisting the failing myocardium] Andersen JS, et al. **Grud Serdechnososudistaia Khir** 1990;(7):10-5 (58 ref.) **(Rus)**

ULTRASTRUCTURE

Two structural states of the vertebrate Z band. Goldstein MA, et al. **Electron Microsc Rev** 1990;3(2):227-48 (56 ref.)

Where is the glycolytic complex? A critical evaluation of present data from muscle tissue. Brooks SP, et al. **FEBS Lett** 1991 Jan 28;278(2):135-8 (35 ref.)

[Sporadic Z disk myopathy with accumulation of rods and cytoplasmic bodies] Gérard JM, et al. **Rev Neurol (Paris)** 1991;147(2):144-7 (10 ref.) (Eng. Abstr.) **(Fre)**

[Duchenne muscular dystrophy carrier presenting with mosaic X chromosome constitution and muscular symptoms--with analysis of the barr bodies in the muscle] Kinoshita M, et al. **Rinsho Shinkeigaku** 1990 Jun; 30(6):643-6 (15 ref.) (Eng. Abstr.) **(Jpn)**

[Clinical and pathological studies on two patients with adult-onset nemaline myopathy] Maruyama T, et al. **Rinsho Shinkeigaku** 1990 Jul;30(7):738-44 (17 ref.) (Eng. Abstr.) **(Jpn)**

[A case of severe infantile form of congenital nemaline myopathy with extensive fatty replacement of the skeletal muscles] Shimizu J, et al. **Rinsho Shinkeigaku** 1990 Oct; 30(10):1123-7 (25 ref.) (Eng. Abstr.) **(Jpn)**

[The molecular organization of the contractile apparatus and the mechanics of muscle contraction] Miroshnichenko NS, et al. **Usp Fiziol Nauk** 1990 Jul-Sep;21(3):3-18 (56 ref.) **(Rus)**

MUSCULAR ATROPHY

ETIOLOGY

[Conference at the Salpêtrière. June 1989. Progressive instability of gait, dysphagia and dysphonia, paraparesis with amyotrophy and mental deterioration in a 56-year-old man] Collard M, et al. **Rev Neurol (Paris)** 1991;147(4):323-8 (26 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Suprascapular nerve lesions at the spinoglenoid notch: report of three cases and review of the literature. Liveson JA, et al. **J Neurol Neurosurg Psychiatry** 1991 Mar;54(3):241-3 (51 ref.)

PREVENTION & CONTROL

Prevention of disuse muscle atrophy in chronic arthritides. Jokl P. **Rheum Dis Clin North Am** 1990 Nov;16(4):837-44 (9 ref.)

SURGERY

[Treatment of trapezius paralysis by transfer of the levator scapulae] Teinturier P, et al. **Rev Chir Orthop** 1990; 76(5):297-302 (19 ref.) (Eng. Abstr.) **(Fre)**

VETERINARY

Fracture disease and related contractures. Anderson GI. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):845–58 (65 ref.)

MUSCULAR ATROPHY, POSTPOLIOMYELITIS see **POSTPOLIOMYELITIS SYNDROME**

MUSCULAR ATROPHY, SPINAL, INFANTILE see **WERDNIG–HOFFMANN DISEASE**

MUSCULAR DISEASES

Defects of the respiratory chain. Bindoff LA, et al. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):583–619 (120 ref.)

Metabolic and mitochondrial myopathies. Wortmann RL. **Curr Opin Rheumatol** 1989 Dec;1(4):427–31 (15 ref.)

Rigid spine syndrome associated with cardiomyopathy: clinical and nosological considerations. Takase Y, et al. **Jpn J Med** 1990 Sep–Oct;29(5):555–9 (19 ref.)

Stiff–man syndrome. McEvoy KM. **Mayo Clin Proc** 1991 Mar;66(3):300–4 (9 ref.)

Distal myopathy. Satoyoshi E. **Tohoku J Exp Med** 1990 Aug; 161 Suppl:1–19 (45 ref.)

CHEMICALLY INDUCED

Gemfibrozil–induced myopathy. Magarian GJ, et al. **Arch Intern Med** 1991 Sep;151(9):1873–4 (10 ref.)

Low–dose heparin. A cause of hematoma of rectus abdominis. Tsapatsaris NP. **Arch Intern Med** 1991 Mar; 151(3):597–9 (20 ref.)

Drug–induced myopathies. Le Quintrec JS, et al. **Baillieres Clin Rheumatol** 1991 Apr;5(1):21–38 (109 ref.)

Eosinophilia–myalgia syndrome. Kazura JW. **Cleve Clin J Med** 1991 May–Jun;58(3):267–70 (25 ref.)

L–tryptophan–related eosinophilia–myalgia syndrome: a case report. Wong CB, et al. **Hawaii Med J** 1990 Aug; 49(8):295–8, 303 (17 ref.)

Myotoxic components of snake venoms: their biochemical and biological activities. Mebs D, et al. **Pharmacol Ther** 1990;48(2):223–36 (77 ref.)

Characteristics and pathogenesis of myositis in human immunodeficiency virus infection—distinction from azidothymidine–induced myopathy. Espinoza LR, et al. **Rheum Dis Clin North Am** 1991 Feb;17(1):117–29 (28 ref.)

L–tryptophan–associated eosinophilia–myalgia syndrome: perspective of a new illness. Kaufman LD, et al. **Rheum Dis Clin North Am** 1991 May;17(2):427–41 (94 ref.)

[Myalgia–hypereosinophilia syndrome caused by L–tryptophan] Lacour JP, et al. **Ann Dermatol Venereol** 1990;117(12):991–8 (32 ref.) **(Fre)**

[L–tryptophan and the eosinophilia–myalgia syndrome—consequences for artificial nutrition?] Bässler KH. **Infusionstherapie** 1991 Feb;18(1):5–10 (37 ref.) (Eng. Abstr.) **(Ger)**

[A case of inorganic germanium poisoning with peripheral and cranial neuropathy, myopathy and autonomic dysfunction] Iijima M, et al. **No To Shinkei** 1990 Sep; 42(9):851–6 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Hematoma of the iliac psoas secondary to anticoagulant treatment. Urological implications] Romero Pérez P, et al. **Arch Esp Urol** 1991 Apr;44(3):302–6 (16 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Pyomyositis in patients with the human immunodeficiency virus: an unusual form of disseminated bacterial infection. Widrow CA, et al. **Am J Med** 1991 Aug;91(2):129–36 (46 ref.)

Cutaneous mucinosis in a patient with eosinophilia–myalgia syndrome associated with L–tryptophan ingestion [letter] Dubin DB, et al. **Arch Dermatol** 1990 Nov;126(11):1517–8 (7 ref.)

HIV– and AIDS–related musculoskeletal problems. Rowe IF. **Curr Opin Rheumatol** 1990 Aug;2(4):642–7 (20 ref.)

Eosinophilia–myalgia syndrome—old questions for a new syndrome [editorial] Walz LeBlanc BA, et al. **J Rheumatol** 1990 Nov;17(11):1435–8 (62 ref.)

Musculoskeletal syndromes associated with acne. Knitzer RH, et al. **Semin Arthritis Rheum** 1991 Feb;20(4):247–55 (67 ref.)

[Mitochondrial encephalomyopathy, lactic acidosis and stroke–like episodes (MELAS) associated with hypothalamo–pituitary hypofunction—a case report] Ishii A, et al. **Rinsho Shinkeigaku** 1991 Feb;31(2):179–83 (10 ref.) (Eng. Abstr.) **(Jpn)**

[Asphyxiating thoracic dysplasia associated with proximal myopathy and arachnoid cyst] Ardura Fernández J, et al. **An Esp Pediatr** 1990 Dec;33(6):592–6 (14 ref.) **(Spa)**

[Mitochondrial encephalomyopathy: a new etiology of epilepsia partialis continua] Carrascosa Romero MC, et al. **An Esp Pediatr** 1990 Aug;33(2):156–9 (22 ref.) **(Spa)**

CONGENITAL

Centronuclear myopathy: clinical, morphological and genetic characters. A review of 288 cases. De Angelis MS, et al. **J Neurol Sci** 1991 May;103(1):2–9 (110 ref.)

DIAGNOSIS

Gadopentetate dimeglumine–enhanced MR imaging of the musculoskeletal system. Beltran J, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):457–66 (58 ref.)

Recent advances in magnetic resonance imaging of musculoskeletal tumours. Munk PL. **Can Assoc Radiol J** 1991 Feb;42(1):39–47 (52 ref.)

Echinococcosis: intramuscular localization. Manes E, et al. **Chir Organi Mov** 1990 Apr–Jun;75(2):189–96 (38 ref.) **(Eng, Ita)**

The appearance of the piriformis muscle syndrome in computed tomography and magnetic resonance imaging. A case report and review of the literature. Jankiewicz JJ, et al. **Clin Orthop** 1991 Jan;(262):205–9 (24 ref.)

Manifestations of systemic disease and infections of the musculoskeletal system [published erratum appears in Curr Opin Radiol 1990 Dec;2(6):965] Patton JT. **Curr Opin Radiol** 1990 Oct;2(5):678–83 (12 ref.)

Miscellaneous reports of interest in musculoskeletal radiology. Pope TL Jr. **Curr Opin Radiol** 1990 Oct; 2(5):711–6 (32 ref.)

Thermography—its current diagnostic status in musculoskeletal medicine. Awerbuch MS. **Med J Aust** 1991 Apr 1;154(7):441–4 (39 ref.)

Diagnostic imaging of musculoskeletal infection. Roentgenography; gallium, indium–labeled white blood cell, gammaglobulin, bone scintigraphy; and MRI. Wegener WA, et al. **Orthop Clin North Am** 1991 Jul;22(3):401–18 (84 ref.)

The limping child. MacEwen GD, et al. **Pediatr Rev** 1991 Mar;12(9):268–74 (0 ref.)

Muscle disease in children: a practical approach. Patterson MC, et al. **Pediatr Rev** 1990 Sep;12(3):73–82 (10 ref.)

Pediatric musculoskeletal MR imaging. Moore SG, et al. **Radiology** 1991 May;179(2):345–60 (96 ref.)

The eosinophilia–myalgia syndrome and related disorders [editorial] Kaufman LD. **Recenti Prog Med** 1991 May; 82(5):286–90 (53 ref.)

[Magnetic resonance imaging of the osteoarticular and muscular system] Ginalski JM, et al. **Rev Med Suisse Romande** 1991 Apr;111(4):323–30 (45 ref.) **(Fre)**

[Paraneoplastic myopathies] Pongratz D, et al. **Internist (Berl)** 1990 Aug;31(8):513–9 (11 ref.) **(Ger)**

DRUG THERAPY

Free radicals and trials of antioxidant therapy in muscle diseases. Jackson MJ, et al. **Adv Exp Med Biol** 1990; 264:485–91 (35 ref.)

The pharmacological control of musculoskeletal pain. Kantor TG. **Can J Physiol Pharmacol** 1991 May;69(5):713–8 (36 ref.)

EPIDEMIOLOGY

[Assessment of musculoskeletal disorders using a questionnaire] Läubli T, et al. **Soz Praventivmed** 1991; 36(1):25–33 (42 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Upper–extremity musculoskeletal disorders of occupational origin. Gerr F, et al. **Annu Rev Public Health** 1991; 12:543–66 (91 ref.)

Defects of fatty–acid oxidation in muscle. Angelini C. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):561–82 (59 ref.)

Introduction to the toxicology of muscle. Harris JB, et al. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):665–86 (86 ref.)

Musculoskeletal manifestations of infectious disease in children. Miller LC. **Curr Opin Rheumatol** 1990 Oct; 2(5):817–23 (29 ref.)

Miscellaneous conditions associated with musculoskeletal complaints in children. Prieur AM. **Curr Opin Rheumatol** 1990 Oct;2(5):824–31 (26 ref.)

Musculoskeletal infections in immunocompromised hosts. Brennan PJ, et al. **Orthop Clin North Am** 1991 Jul; 22(3):389–99 (70 ref.)

Orthopaedic manifestations of sickle–cell disease. Huo MH, et al. **Yale J Biol Med** 1990 May–Jun;63(3):195–207 (63 ref.)

[Symptoms and injuries of the locomotor system in dancers] Kap A, et al. **Ned Tijdschr Geneeskd** 1990 Sep 15; 134(37):1782–6 (23 ref.) **(Dut)**

[Papular mucinosis disclosed by myopathy (letter)] Petit E, et al. **Ann Med Interne (Paris)** 1991;142(2):143–4 (11 ref.) **(Fre)**

[Madelung's disease and lesions of the extensor tendons. A case report] Rondier J, et al. **Rev Chir Orthop** 1990; 76(3):204–8 (10 ref.) (Eng. Abstr.) **(Fre)**

[Muscular metastasis of primary bronchial carcinoma] Menard O, et al. **Rev Pneumol Clin** 1990;46(4):183–6 (16 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Congenital myopathy with oculo–facial abnormalities (Marden–Walker syndrome). Linder N, et al. **Am J Med Genet** 1991 Jun 15;39(4):377–9 (11 ref.)

The genetics of metabolic disorders of muscle. Poulton J, et al. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):621–64 (155 ref.)

Mitochondrial myopathies: genetic defects. Harding AE, et al. **Biochem Soc Trans** 1990 Aug;18(4):519–22 (39 ref.)

Mitochondrial defects of brain and muscle. De Vivo DC, et al. **Biol Neonate** 1990;58 Suppl 1:54–69 (64 ref.)

Mitochondrial disease and mitochondrial DNA. Hammans SR, et al. **Br J Hosp Med** 1991 Jul;46(1):20, 22–3, 25–6 (43 ref.)

Genetic aspects of myopathy. Hoffman EP. **Curr Opin Rheumatol** 1989 Dec;1(4):419–26 (42 ref.)

Centronuclear myopathy: clinical, morphological and genetic characters. A review of 288 cases. De Angelis MS, et al. **J Neurol Sci** 1991 May;103(1):2–9 (110 ref.)

Mitochondrial cytopathy. Ito T, et al. **Jpn Circ J** 1990 Sep; 54(9):1214–20 (24 ref.)

Neurological disease and mitochondrial genes. Harding AE. **Trends Neurosci** 1991 Apr;14(4):132–8 (43 ref.)

[Peripheral neuropathy in a sporadic case of cerebrotendinous xanthomatosis] Ben Hamida M, et al. **Rev Neurol (Paris)** 1991;147(5):385–8 (11 ref.) (Eng. Abstr.) **(Fre)**

[Molecular biology of defects in the mitochondrial electron–transfer complexes] Tanaka M. **Seikagaku** 1991 Mar;63(3):169–87 (54 ref.) **(Jpn)**

METABOLISM

Normal metabolism and disorders of carbohydrate metabolism. de Barsy T, et al. **Baillieres Clin Endocrinol Metab** 1990 Sep;4(3):499–522 (85 ref.)

Biochemistry and molecular genetics of muscle diseases. Deufel T, et al. **Eur J Clin Chem Clin Biochem** 1991 Jan; 29(1):13–38 (280 ref.)

[Clinical aspects of mitochondrial encephalomyopathy—abnormality of mitochondrial respiratory chain] Nakagawa M, et al. **No To Shinkei** 1990 Aug;42(8):719–33 (165 ref.) **(Jpn)**

[Biochemistry of mitochondrial encephalomyopathy] Ozawa T, et al. **No To Shinkei** 1990 Aug;42(8):707–17 (42 ref.) **(Jpn)**

MICROBIOLOGY

Mechanisms of musculoskeletal sepsis. Gristina AG, et al. **Orthop Clin North Am** 1991 Jul;22(3):363–71 (58 ref.)

PATHOLOGY

Mitochondrial myopathies and myoencephalopathies. Byrne E. **Curr Opin Rheumatol** 1990 Dec;2(6):889–95 (21 ref.)

Rhabdomyolysis and drug–related myopathies. Grob D. **Curr Opin Rheumatol** 1990 Dec;2(6):908–15 (23 ref.)

[Pathological anatomy of the heart in myopathies and infantile muscular atrophies] Bataille J, et al. **Ann Med Interne (Paris)** 1991;142(1):5–8 (16 ref.) (Eng. Abstr.) **(Fre)**

[Sporadic Z disk myopathy with accumulation of rods and cytoplasmic bodies] Gérard JM, et al. **Rev Neurol (Paris)** 1991;147(2):144–7 (10 ref.) (Eng. Abstr.) **(Fre)**

[Desmoid tumors] Armaroli R, et al. **G Chir** 1988 Jan; 9(1):40–2 (12 ref.) (Eng. Abstr.) **(Ita)**

[Clinical and pathological studies on two patients with adult–onset nemaline myopathy] Maruyama T, et al. **Rinsho Shinkeigaku** 1990 Jul;30(7):738–44 (17 ref.) (Eng. Abstr.) **(Jpn)**

[A case of severe infantile form of congenital nemaline myopathy with extensive fatty replacement of the skeletal muscles] Shimizu J, et al. **Rinsho Shinkeigaku** 1990 Oct; 30(10):1123–7 (25 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Skeletal muscle weakness and fatigue in old age: underlying mechanisms. Faulkner JA, et al. **Annu Rev Gerontol Geriatr** 1990;10:147–66 (65 ref.)

Muscle pain, dyskinesia, and sleep. Lavigne GJ, et al. **Can J Physiol Pharmacol** 1991 May;69(5):678–82 (49 ref.)

The pain–adaptation model: a discussion of the relationship between chronic musculoskeletal pain and motor activity. Lund JP, et al. **Can J Physiol Pharmacol** 1991 May; 69(5):683–94 (120 ref.)

Considerations concerning the neurobiological basis of muscle pain. Mense S. **Can J Physiol Pharmacol** 1991 May; 69(5):610–6 (37 ref.)

Chronic muscle pain syndromes: an overview. Widmer CG. **Can J Physiol Pharmacol** 1991 May;69(5):659–61 (19 ref.)

[Muscular glycogenoses] de Barsy T, et al. **Rev Med Interne** 1991 May–Jun;12(3):198–204 (39 ref.) (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

[Use of atracurium for the prevention of fasciculations and succinylcholine myalgia in athletes undergoing orthopedic surgery] Pagani I, et al. **Minerva Anestesiol** 1990 Nov; 56(11):1413–7 (26 ref.) (Eng. Abstr.) **(Ita)**

SURGERY

Practical aspects of myoblast implantation: investigations on two inherited myopathies in animals. Morgan JE. **Adv Exp Med Biol** 1990;280:89–94; discussion 95–6 (16 ref.)

THERAPY

Electrical stimulation of peripheral and central pathways for the relief of musculoskeletal pain. Bushnell MC, et al. **Can J Physiol Pharmacol** 1991 May;69(5):697–703 (42 ref.)

MUSCULAR DYSTROPHY

COMPLICATIONS

[Cardiac disorders in Steinert's disease. Indication of pacemaker in two patients of the same family] Liandrat S, et al. **Ann Cardiol Angeiol (Paris)** 1990 Oct;39(8):471–7 (41 ref.) (Eng. Abstr.) **(Fre)**

[A case of facioscapulohumeral muscular dystrophy with infantile spasms, sensorineural deafness and retinal vessel abnormality] Akiyama C, et al. **No To Hattatsu** 1991 Jul; 23(4):395–9 (13 ref.) (Eng. Abstr.) **(Jpn)**

CONGENITAL

[Additional contribution of high amplification electrocardiography in the follow-up of children with muscular dystrophy] Grinneiser D, et al. **Arch Mal Coeur Vaiss** 1991 May;84(5):727–32 (13 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[The clinical polymorphism and treatment of muscular dystrophy] Golubev VL. **Zh Nevropatol Psikhiatr** 1991; 91(3):30–4 (16 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

The DMD gene promoter: a potential role in gene therapy. Ray PN, et al. **Adv Exp Med Biol** 1990;280:107–11; discussion 111–2 (10 ref.)

Genetic analysis of the Duchenne muscular dystrophy gene. Prior TW. **Arch Pathol Lab Med** 1991 Oct;115(10):984–90 (44 ref.)

Duchenne and Becker muscular dystrophies: genetics, prenatal diagnosis, and future prospects. Bieber FR, et al. **Clin Perinatol** 1990 Dec;17(4):845–65 (53 ref.)

Muscular dystrophy research: what have we learned and where do we go from here? Boyce FM, et al. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:121–7 (23 ref.)

[Pathobiogenetic concept of Duchenne muscular dystrophy following the discovery of dystrophin as the deficient protein] Kunze D, et al. **Z Med Lab Diagn** 1991; 32(3–4):141–6 (15 ref.) **(Ger)**

[Duchenne muscular dystrophy carrier presenting with mosaic X chromosome constitution and muscular symptoms—with analysis of the barr bodies in the muscle] Kinoshita M, et al. **Rinsho Shinkeigaku** 1990 Jun; 30(6):643–6 (15 ref.) (Eng. Abstr.) **(Jpn)**

[Duchenne's myodystrophy—a hereditary defect of the cell membranes] Khrennikov VIu. **Zh Nevropatol Psikhiatr** 1991;91(3):22–4 (41 ref.) (Eng. Abstr.) **(Rus)**

PATHOLOGY

Muscular dystrophies. Specht L. **Indian J Pediatr** 1990 May–Jun;57(3):337–44 (14 ref.)

Changes in cerebral white matter in a case of congenital muscular dystrophy (non-Fukuyama type). Tanaka J, et al. **Neuropediatrics** 1990 Nov;21(4):183–6 (16 ref.)

PHYSIOPATHOLOGY

Duchenne's muscular dystrophy: review and recent scientific findings. Evans BK, et al. **Am J Med Sci** 1991 Aug; 302(2):118–23 (48 ref.)

SURGERY

Plausible structural/functional/behavioral/biochemical transformations following myoblast transfer therapy. Law PK, et al. **Adv Exp Med Biol** 1990;280:241–9; discussion 249–50 (25 ref.)

Invited review: myoblast transfer: a possible therapy for inherited myopathies? Partridge TA. **Muscle Nerve** 1991 Mar;14(3):197–212 (126 ref.)

[Surgery of the lower limbs in Duchenne's muscular dystrophy] Bonnet I, et al. **Rev Chir Orthop** 1991; 77(3):189–97 (21 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Immunosuppressive therapy in Duchenne muscular dystrophy: considerations for myoblast transfer studies. Mendell JR. **Adv Exp Med Biol** 1990;280:287–95 (28 ref.)

MUSCULAR DYSTROPHY, ANIMAL

THERAPY

Mdx mouse as therapeutic model system: development and implementation of phenotypic monitoring. Hudecki MS, et al. **Adv Exp Med Biol** 1990;280:251–63; discussion 263–5 (26 ref.)

MUSCULOSKELETAL SYSTEM

Chronic musculoskeletal pain: a cognitive approach to psychophysiologic assessment and intervention. Ciccone DS, et al. **Adv Clin Rehabil** 1990;3:197–214 (26 ref.)

ABNORMALITIES

Congenital and metabolic abnormalities of the musculoskeletal system. Szer IS. **Curr Opin Rheumatol** 1990 Oct;2(5):832–5 (11 ref.)

DRUG EFFECTS

Etodolac: analgesic effects in musculoskeletal and postoperative pain. Pena M. **Rheumatol Int** 1990;10 Suppl:9–16 (18 ref.)

INJURIES

[Sport traumatic lesions and their prophylaxis] Angulo Gómez de Cadiñanos S, et al. **An Esp Pediatr** 1990 Nov; 33 Suppl 43:124–8 (13 ref.) **(Spa)**

PHYSIOLOGY

Functional status assessment. Bjelle A. **Curr Opin Rheumatol** 1991 Apr;3(2):280–5 (35 ref.)

PHYSIOPATHOLOGY

A systems model of chronic musculo-skeletal pain. Large R, et al. **Aust N Z J Psychiatry** 1990 Dec;24(4):529–36 (66 ref.)

MUSHROOM POISONING

see related
MYCOTOXINS

Jack o'lantern mushroom poisoning. Vanden Hoek TL, et al. **Ann Emerg Med** 1991 May;20(5):559–61 (20 ref.)

DIAGNOSIS

[The Amanita phalloides syndrome. Case of a 2-year-old girl] Pertile N, et al. **Pediatr Med Chir** 1990 Jul–Aug; 12(4):411–4 (13 ref.) (Eng. Abstr.) **(Ita)**

MUSHROOMS see **BASIDIOMYCETES**

MUSIC

Hearing loss in musicians. Sataloff RT. **Am J Otol** 1991 Mar; 12(2):122–7 (29 ref.)

Music psychology:tonal structures in perception and memory. Krumhansl CL. **Annu Rev Psychol** 1991; 42:277–303 (164 ref.)

Evaluation and treatment of hand and wrist disorders in musicians. Amadio PC, et al. **Hand Clin** 1990 Aug; 6(3):405–16 (62 ref.)

Analysis of upper-extremity performance in athletes and musicians. An KN, et al. **Hand Clin** 1990 Aug;6(3):393–403 (19 ref.)

The epidemiology and prevention of hand and wrist injuries in performing artists. Brandfonbrener AG. **Hand Clin** 1990 Aug;6(3):365–77 (40 ref.)

Common disorders of the elbow in athletes and musicians. Hotchkiss RN. **Hand Clin** 1990 Aug;6(3):507–15 (60 ref.)

Treatment of musical hands: redesign of the interface. Markison RE. **Hand Clin** 1990 Aug;6(3):525–44 (7 ref.)

Upper-extremity rehabilitation: conditioning and orthotics for the athlete and performing artist. Prokop LL. **Hand Clin** 1990 Aug;6(3):517–24 (39 ref.)

[Psychoanalytic observations on musical creativity] Rauchfleisch U. **Psyche (Stuttg)** 1990 Dec;44(12):1113–40 (60 ref.) (Eng. Abstr.) **(Ger)**

HISTORY

[What do we know about Ludwig van Beethoven's deafness?] Latkowski B, et al. **Otolaryngol Pol** 1991;45(1):80–3 (6 ref.) (Eng. Abstr.) **(Pol)**

MUSIC THERAPY

Music therapy: a means of reducing anxiety in the myocardial infarction patient. White J, et al. **Wis Med J** 1991 Jul; 90(7):434–7 (42 ref.)

MUSSELS

PHYSIOLOGY

Neurotransmitters and neuromodulators controlling the anterior byssus retractor muscle of Mytilus edulis. Muneoka Y, et al. **Comp Biochem Physiol [C]** 1991;98(1):105–14 (53 ref.)

MUSTARD GAS

TOXICITY

Medical defense against blistering chemical warfare agents. Smith WJ, et al. **Arch Dermatol** 1991 Aug;127(8):1207–13 (60 ref.)

Toxicology of mustard gas. Wormser U. **Trends Pharmacol Sci** 1991 Apr;12(4):164–7 (42 ref.)

MUTAGEN SCREENING see **MUTAGENICITY TESTS**

MUTAGENESIS

The general mechanism of chromosomal mutagenesis: basic and applied aspects. Akifiev AP, et al. **Acta Biol Hung** 1990;41(1–3):3–7 (8 ref.)

Antigenic and structural properties of mutants in herpes simplex virus 1 glycoprotein B. Pereira L, et al. **Adv Exp Med Biol** 1990;278:165–82 (60 ref.)

Targeted mutagenesis in embryo-derived stem cells. Thomas K. **Biotechnology** 1991;16:45–54 (21 ref.)

Site-specific mutagenesis: retrospective and prospective. Singer B, et al. **Carcinogenesis** 1991 Jun;12(6):949–55 (50 ref.)

Molecular genetic considerations in osteosarcoma. Hansen MF. **Clin Orthop** 1991 Sep;(270):237–46 (53 ref.)

Gene targeting in murine embryonic stem cells: introduction of specific alterations into the mammalian genome. Mansour SL. **Genet Anal Tech Appl** 1990 Dec;7(8):219–27 (66 ref.)

Frameshift mutagenesis by acridines and other reversibly-binding DNA ligands. Ferguson LR, et al. **Mutagenesis** 1990 Nov;5(6):529–40 (94 ref.)

The genetic toxicology of acridines. Ferguson LR, et al. **Mutat Res** 1991 Sep;258(2):123–60 (178 ref.)

The genetic toxicology of 5-bromodeoxyuridine in mammalian cells. Morris SM. **Mutat Res** 1991 Sep; 258(2):161–88 (324 ref.)

[Molecular mechanisms of mutagenesis caused by apurinic/apyrimidinic DNA sites] Ivanov EL. **Genetika** 1991 Jan;27(1):5–12 (45 ref.) (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of carotenoids in cellular and animal systems. Krinsky NI. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):238S–246S (64 ref.)

Molecular mechanisms of oxygen radical carcinogenesis and mutagenesis: the role of DNA base damage. Breimer LH. **Mol Carcinog** 1990;3(4):188–97 (120 ref.)

Reaction of thiyl radicals with alcohols, ethers and polyunsaturated fatty acids: a possible role of thiyl free radicals in thiol mutagenesis? Schöneich C, et al. **Radiat Environ Biophys** 1990;29(4):263–71 (40 ref.)

[The mutagenicity of animal carcinogenic agents of natural origin] Nersesian AK. **Eksp Onkol** 1990;12(5):7–11 (51 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Mutagenesis as viewed from another perspective. Lieber M. **Riv Biol** 1990;83(4):513–22 (22 ref.)

Chemical mutagenesis and fine-structure functional analysis of the mouse genome. Rinchik EM. **Trends Genet** 1991 Jan;7(1):15–21 (45 ref.)

[Methods of DNA mutagenesis in vitro] Mejnartowicz M, et al. **Postepy Biochem** 1990;36(3–4):5–16 (157 ref.) **(Pol)**

MUTAGENESIS, CASSETTE see **MUTAGENESIS, INSERTIONAL**

MUTAGENESIS, INSERTIONAL

GENETICS

The activation of cellular oncogenes by proviral insertion in murine mammary cancer. Nusse R. **Cancer Treat Res** 1988;40:283–306 (110 ref.)

Oncogenes at viral integration sites. Peters G. **Cell Growth Differ** 1990 Oct;1(10):503–10 (135 ref.)

MUTAGENESIS, OLIGONUCLEOTIDE-DIRECTED see **MUTAGENESIS, SITE-DIRECTED**

MUTAGENESIS, SITE-DIRECTED

Modification of milk-clotting aspartic proteinases by recombinant DNA techniques. Beppu T. **Ann N Y Acad Sci** 1990;613:14–25 (21 ref.)

Use of mutant RNAs in studies on yeast 5S rRNA structure and function. Nazar RN, et al. **Biochem Cell Biol** 1991 Apr; 69(4):217–22 (30 ref.)

Mechanism of adenylate kinase: site-directed mutagenesis versus X-ray and NMR. Tsai MD, et al. **Biochemistry** 1991 Jul 16;30(28):6806–18 (83 ref.)

Site-specifically alkylated oligodeoxynucleotides: probes for mutagenesis, DNA repair and the structural effects of DNA damage. Basu AK, et al. **Mutat Res** 1990 Nov–Dec; 233(1–2):189–201 (85 ref.)

[Structural-functional organization of vial proteins by a localized mutagenesis method] Kipriianov SM, et al. **Mol Biol (Mosk)** 1991 Jan–Feb;25(1):5–21 (98 ref.) (Eng. Abstr.) **(Rus)**

MUTAGENESIS, SITE-SPECIFIC see **MUTAGENESIS, SITE-DIRECTED**

MUTAGENICITY TESTS

see related
CARCINOGENICITY TESTS

Tests for genotoxicity: principles and findings in relation to omeprazole. Evans HJ. **Digestion** 1990;47 Suppl 1:45–8 (3 ref.)

Validity of in vitro testing. Matula TI. **Drug Metab Rev** 1990; 22(6–8):777–87 (19 ref.)

Strategies for the use of genetic toxicity tests. Zeiger E. **Drug Metab Rev** 1990;22(6–8):765–75 (17 ref.)

Genetic effects of marijuana. Zimmerman S, et al. **Int J Addict** 1990–91;25(1A):19–33 (67 ref.)
Determination of the genotoxic status of a chemical. Ashby J. **Mutat Res** 1991 Jun;248(2):221–31 (23 ref.)
International Commission for Protection Against Environmental Mutagens and Carcinogens. Genotoxicity under extreme culture conditions. A report from ICPEMC Task Group 9. Scott D, et al. **Mutat Res** 1991 Mar; 257(2):147–205 (114 ref.)
[Molecular genetic aspects of phenylketonuria (PKU)] Giltay JC, et al. **Tijdschr Kindergeneeskd** 1991 Jun;59(3):77–80 (17 ref.) (Eng. Abstr.) **(Dut)**

METHODS

[Methods of DNA mutagenesis in vitro] Mejnartowicz M, et al. **Postepy Biochem** 1990;36(3–4):5–16 (157 ref.) **(Pol)**

MUTAGENS

Bisfuranoid mycotoxins: their genotoxicity and carcinogenicity. Hsieh DP, et al. **Adv Exp Med Biol** 1991; 283:525–32 (41 ref.)
Meat mutagens. Chen C, et al. **Adv Food Nutr Res** 1990; 34:387–449 (244 ref.)
The 'A rule' of mutagen specificity: a consequence of DNA polymerase bypass of non-instructional lesions? Strauss BS. **Bioessays** 1991 Feb;13(2):79–84 (59 ref.)
Review of the mutagenicity of ethylene oxide. Dellarco VL, et al. **Environ Mol Mutagen** 1990;16(2):85–103 (102 ref.)
Perspectives and future directions for genetic risk assessment. Dellarco VL, et al. **Environ Mol Mutagen** 1990;16(2):132–4 (18 ref.)
Mutagenesis and micronutrients relationship. Chow CK. **Food Addit Contam** 1990;7 Suppl 1:S44–7 (16 ref.)
Cytogenetic markers in detecting the effects of exposure to complex mixtures of chemicals. Evans HJ. **IARC Sci Publ** 1990;(104):134–46 (49 ref.)
Complex mixtures of urban air pollutants: identification and comparative assessment of mutagenic and tumorigenic chemicals and emission sources. Lewtas J, et al. **IARC Sci Publ** 1990;(104):252–60 (32 ref.)
Use of bacterial assay system for monitoring genotoxic complex mixtures in the occupational setting. Ong T, et al. **IARC Sci Publ** 1990;(104):101–6 (14 ref.)
Food as source of complex mixtures of mutagens and carcinogens. Sugimura T. **IARC Sci Publ** 1990; (104):399–407 (45 ref.)
Genotoxicity of drinking waters. Tuomisto J, et al. **IARC Sci Publ** 1990;(104):307–13 (28 ref.)
Structure–activity relationship of mutagenic aromatic and heteroaromatic nitro compounds. Correlation with molecular orbital energies and hydrophobicity. Debnath AK, et al. **J Med Chem** 1991 Feb;34(2):786–97 (84 ref.)
Frameshift mutagenesis by acridines and other reversibly-binding DNA ligands. Ferguson LR, et al. **Mutagenesis** 1990 Nov;5(6):529–40 (94 ref.)
Cooked-food mutagens: current knowledge of formation and biological significance. Overvik E, et al. **Mutagenesis** 1990 Sep;5(5):437–46 (161 ref.)
Determination of the genotoxic status of a chemical. Ashby J. **Mutat Res** 1991 Jun;248(2):221–31 (23 ref.)
The genetic toxicology of styrene and styrene oxide. Barale R. **Mutat Res** 1991 Mar;257(2):107–26 (122 ref.)
Preneoplastic lesions in rodent kidney induced spontaneously or by non-genotoxic agents: predictive nature and comparison to lesions induced by genotoxic carcinogens. Dietrich DR, et al. **Mutat Res** 1991 Jun;248(2):239–60 (113 ref.)
Occurrence, identification, and bacterial mutagenicity of heterocyclic amines in cooked food. Felton JS, et al. **Mutat Res** 1991 Mar–Apr;259(3–4):205–17 (52 ref.)
DNA-expressed human cytochrome P450s: a new age of molecular toxicology and human risk assessment. Gonzalez FJ, et al. **Mutat Res** 1991 Mar;247(1):113–27 (93 ref.)
Validity of considering that early changes may act as indicators for non-genotoxic carcinogenesis. Hildebrand B, et al. **Mutat Res** 1991 Jun;248(2):217–20 (17 ref.)
International Commission for Protection Against Environmental Mutagens and Carcinogens. ICPEMC publication No. 18. Review of the genotoxicity and carcinogenicity of antischistosomal drugs; is there a case for a study of mutation epidemiology? Report of a task group on mutagenic antischistosomals. Kramers PG, et al. **Mutat Res** 1991 Jan;257(1):49–89 (452 ref.)
Laboratory and epidemiologic studies of fecapentaenes. Povey AC, et al. **Mutat Res** 1991 Mar–Apr;259(3–4):387–97 (50 ref.)
Genotoxicity of bleomycin. Povirk LF, et al. **Mutat Res** 1991 Mar;257(2):127–43 (103 ref.)
Pentachlorophenol. Seiler JP. **Mutat Res** 1991 Jan; 257(1):27–47 (112 ref.)
Mutagens and carcinogens in the diet. Regulatory perspective: Japan. Sato S. **Prog Clin Biol Res** 1990; 347:295–306 (19 ref.)
[Mutagenic and carcinogenic effects of vinyl chloride monomers in humans] Fučić A, et al. **Arh Hig Rada Toksikol** 1991 Mar;42(1):65–72 (47 ref.) (Eng. Abstr.) **(Scr)**

ADVERSE EFFECTS

International Commission for Protection Against Environmental Mutagens and Carcinogens. ICPEMC Working Paper 7/1/3. Animal studies suggesting involvement of mutagen/carcinogen exposure in atherosclerosis. Wakabayashi K. **Mutat Res** 1990 Nov; 239(3):181–7 (39 ref.)

ANALYSIS

Formation of heterocyclic amines during meat extract processing and cooking. Aeschbacher HU. **Adv Exp Med Biol** 1991;289:107–13 (23 ref.)
Critical effective methods to detect genotoxic carcinogens and neoplasm-promoting agents. Weisburger JH, et al. **Environ Health Perspect** 1991 Jan;90:121–6 (60 ref.)
Quantitative structure–activity relationships of heterocyclic amine mutagens formed during the cooking of food. Hatch FT, et al. **Environ Mol Mutagen** 1991;17(1):4–19 (90 ref.)
Mutagenic compounds in chlorinated pulp bleaching waters and drinking waters. Holmbom B. **IARC Sci Publ** 1990; (104):333–40 (24 ref.)
Mutagens and carcinogens in food. Sugimura T, et al. **Prog Clin Biol Res** 1990;347:1–18 (50 ref.)

CHEMICAL SYNTHESIS

Mutagens from model systems. Jägerstad M, et al. **Prog Clin Biol Res** 1990;347:71–88 (49 ref.)

CHEMISTRY

Formation of heterocyclic amines using model systems. Jägerstad M, et al. **Mutat Res** 1991 Mar–Apr; 259(3–4):219–33 (74 ref.)

IMMUNOLOGY

[Contact hypersensitivity to Kathon CG. Apropos of 35 cases among 977 tested subjects] Ledieu G, et al. **Ann Dermatol Venereol** 1991;118(3):181–9 (41 ref.) (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

New mutagens from cooked food. Felton JS, et al. **Prog Clin Biol Res** 1990;347:19–38 (49 ref.)

METABOLISM

The metabolism of xenobiotics and its relationship to toxicity/genotoxicity: studies with human lymphocytes. Lundgren B, et al. **Acta Physiol Scand Suppl** 1990;592:49–59 (18 ref.)
Prevention of adverse effects of food browning. Friedman M. **Adv Exp Med Biol** 1991;289:171–215 (133 ref.)
Formation of meat mutagens. Jägerstad M, et al. **Adv Exp Med Biol** 1991;289:83–105 (62 ref.)
Role of the well-known basic and recently discovered acidic glutathione S-transferases in the control of genotoxic metabolites. Oesch F, et al. **Adv Exp Med Biol** 1991; 283:25–39 (37 ref.)

PHARMACOKINETICS

Metabolism and biodisposition of heterocyclic amines. Turesky RJ. **Prog Clin Biol Res** 1990;347:39–53 (55 ref.)

PHARMACOLOGY

Molecular targets of chemical mutagens. Preston BD, et al. **Adv Exp Med Biol** 1991;283:193–209 (153 ref.)
[The mutagenicity of animal carcinogenic agents of natural origin] Nersesian AK. **Eksp Onkol** 1990;12(5):7–11 (51 ref.) (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Photobiological studies with dioxetanes in isolated DNA, bacteria, and mammalian cells. Adam W, et al. **Environ Health Perspect** 1990 Aug;88:89–97 (32 ref.)

TOXICITY

Chemistry and biological activity of volatile and nonvolatile mutagenic compounds from cooked food. Overvik E, et al. **IARC Sci Publ** 1990;(104):408–14 (58 ref.)
Mechanism of action of food-associated polycyclic aromatic hydrocarbon carcinogens. Dipple A, et al. **Mutat Res** 1991 Mar–Apr;259(3–4):263–76 (76 ref.)
International Commission for Protection Against Environmental Mutagens and Carcinogens. Genotoxicity under extreme culture conditions. A report from ICPEMC Task Group 9. Scott D, et al. **Mutat Res** 1991 Mar; 257(2):147–205 (114 ref.)
Carcinogenicity of mutagens from cooked meats. Larsen JC, et al. **Prog Clin Biol Res** 1990;347:89–108 (57 ref.)
Genotoxic mechanisms of fecapentaene-12 in human cells. Povey AC, et al. **Prog Clin Biol Res** 1990;347:155–66 (19 ref.)

MUTATION

Molecular analysis of mutation at the human hprt locus. Lambert B, et al. **Acta Physiol Scand Suppl** 1990;592:85–92 (19 ref.)
Meat mutagens. Chen C, et al. **Adv Food Nutr Res** 1990; 34:387–449 (244 ref.)
Implications of double mutant phenotypes. Billings-Gagliardi S, et al. **Ann N Y Acad Sci** 1990;605:215–29 (20 ref.)
The use of direct gene analysis to define beta-thalassemia. Dozy AM, et al. **Ann N Y Acad Sci** 1990;612:22–30 (19 ref.)
The molecular basis of hemophilia A. Gitschier J. **Ann N Y Acad Sci** 1991;614:89–96 (48 ref.)
Molecular genetics of X-linked mutants. Hudson LD. **Ann N Y Acad Sci** 1990;605:155–65 (75 ref.)
Gene defects in beta-thalassemia and their prenatal diagnosis. Kazazian HH Jr, et al. **Ann N Y Acad Sci** 1990;612:1–14 (55 ref.)
Genetic and environmental modulations of chromosomal stability: their roles in aging and oncogenesis. Martin GM. **Ann N Y Acad Sci** 1991;621:401–17 (91 ref.)
The biochemistry of myelin in X-linked mutants. Quarles RH. **Ann N Y Acad Sci** 1990;605:135–45 (46 ref.)
Axolemmal abnormalities in myelin mutants. Rosenbluth J. **Ann N Y Acad Sci** 1990;605:194–214 (61 ref.)
Beta-thalassemia in Thailand. Winichagoon P, et al. **Ann N Y Acad Sci** 1990;612:31–42 (25 ref.)
In vivo somatic mutations in humans: measurement and analysis. Albertini RJ, et al. **Annu Rev Genet** 1990;24:305–26 (101 ref.)
The LDL receptor locus in familial hypercholesterolemia: mutational analysis of a membrane protein. Hobbs HH, et al. **Annu Rev Genet** 1990;24:133–70 (122 ref.)
The comparative radiation genetics of humans and mice. Neel JV, et al. **Annu Rev Genet** 1990;24:327–62 (109 ref.)
Premeiotic instability of repeated sequences in Neurospora crassa. Selker EU. **Annu Rev Genet** 1990;24:579–613 (93 ref.)
The transition of benign to malignant in epithelial and mesenchymal tumours. Koten JW, et al. **Anticancer Res** 1991 Mar–Apr;11(2):567–8 (4 ref.)
Mutational activation of the c-K-ras gene in human pancreatic carcinoma. Shibata D, et al. **Baillieres Clin Gastroenterol** 1990 Mar;4(1):151–69 (96 ref.)
Unfolding perspectives on the genetic effects of human exposures to radiation. Neel JV. **Basic Life Sci** 1990; 53:337–49 (46 ref.)
Mammalian glycosylation mutants as tools for the analysis and reconstitution of protein transport. Brändli AW. **Biochem J** 1991 May 15;276 (Pt 1):1–12 (138 ref.)
The role of recombinational hotspots in genome instability in mammalian cells. Murnane JP. **Bioessays** 1990 Dec; 12(12):577–81 (62 ref.)
At the crossroads of developmental genetics: the cloning of the classical mouse T locus. Silver LM. **Bioessays** 1990 Aug;12(8):377–80 (33 ref.)
Using embryonic stem cells to introduce mutations into the mouse germ line. Robertson EJ. **Biol Reprod** 1991 Feb; 44(2):238–45 (41 ref.)
Mutator phenotype may be required for multistage carcinogenesis. Loeb LA. **Cancer Res** 1991 Jun 15; 51(12):3075–9 (63 ref.)
The role of ras gene mutations in myeloproliferative disorders. Liu ET. **Clin Lab Med** 1990 Dec;10(4):797–807 (43 ref.)
Molecular biology of myelin basic protein: gene rearrangement and expression of anti-sense RNA in myelin-deficient mutants. Mikoshiba K, et al. **Comp Biochem Physiol [C]** 1991;98(1):51–61 (82 ref.)
Antioxidants/antimutagens in food. Namiki M. **Crit Rev Food Sci Nutr** 1990;29(4):273–300 (203 ref.)
Phenotypes of cells with cytoskeletal mutations. Noegel AA, et al. **Curr Opin Cell Biol** 1991 Feb;3(1):18–26 (59 ref.)
On the origins of genetic variants. Wintersberger U. **FEBS Lett** 1991 Jul 22;285(2):160–4 (30 ref.)
Molecular basis of mouse developmental mutants. Reith AD, et al. **Genes Dev** 1991 Jul;5(7):1115–23 (130 ref.)
Allelic somatic mutations may explain vascular twin nevi. Happle R. **Hum Genet** 1991 Jan;86(3):321–2 (14 ref.)
The phenylketonuria locus: current knowledge about alleles and mutations of the phenylalanine hydroxylase gene in various populations. Konecki DS, et al. **Hum Genet** 1991 Aug;87(4):377–88 (94 ref.)
Reversion and rereversion in ras-transformed cells. Marshall CJ. **Immunol Ser** 1990;51:89–106 (81 ref.)
Recessive mutations in the oncogenesis of certain solid tumors. Nordenskjöld M. **Immunol Ser** 1990;51:145–67 (84 ref.)
DNA repair in radiation sensitive mutants of mammalian cells: possible involvement of DNA topoisomerases. Hickson ID, et al. **Int J Radiat Biol** 1990 Oct;58(4):561–8 (29 ref.)
p53 mutations: gains or losses? Michalovitz D, et al. **J Cell Biochem** 1991 Jan;45(1):22–9 (48 ref.)
Mechanisms of positional signalling in the developing eye of Drosophila studied by ectopic expression of sevenless and rough. Hafen E, et al. **J Cell Sci Suppl** 1990;13:157–68 (38 ref.)
Familial defective apolipoprotein B-100: a mutation of apolipoprotein B that causes hypercholesterolemia. Innerarity TL, et al. **J Lipid Res** 1990 Aug;31(8):1337–49 (77 ref.)
On the parental origin of de novo mutation in man. Chandley AC. **J Med Genet** 1991 Apr;28(4):217–23 (55 ref.)
Switches in species-specific codon preferences: the influence of mutation biases. Shields DC. **J Mol Evol** 1990 Aug; 31(2):71–80 (31 ref.)
Random walking. Can large insertions and deletions between genes affect development? Zuckerkandl E. **J Mol Evol** 1990 Sep;31(3):161–2 (20 ref.)

Genes expressed in the adult brain of Drosophila and effects of their mutations on behavior: a survey of transmitter- and second messenger-related genes. Buchner E. **J Neurogenet** 1991;7(4):153–92 (307 ref.)

Methods of detection of single base substitutions in clinical genetic practice. Forrest S, et al. **Mol Biol Med** 1990 Oct; 7(5):451–9 (50 ref.)

International Commission for Protection Against Environmental Mutagens and Carcinogens. ICPEMC Working Paper 7/1/1. Mutational events in the etiology of arteriosclerotic plaques. Penn A. **Mutat Res** 1990 Nov; 239(3):149–62 (74 ref.)

Sequence-dependent formation of alkyl DNA adducts: a review of methods, results, and biological correlates. Richardson FC, et al. **Mutat Res** 1990 Nov–Dec; 233(1–2):127–38 (59 ref.)

Why do O6-alkylguanine and O4-alkylthymine miscode? The relationship between the structure of DNA containing O6-alkylguanine and O4-alkylthymine and the mutagenic properties of these bases. Swann PF. **Mutat Res** 1990 Nov–Dec;233(1–2):81–94 (57 ref.)

Evolutionary changes in the genetic code. Osawa S, et al. **Proc R Soc Lond [Biol]** 1990 Jul 23;241(1300):19–28 (38 ref.)

Antimutagenic/anticarcinogenic food components. Aeschbacher HU. **Prog Clin Biol Res** 1990;347:201–16 (58 ref.)

Diverse mutations lead to inactivation of the retinoblastoma gene. Lee EY, et al. **Prog Clin Biol Res** 1991;362:221–40 (54 ref.)

A mammalian mutation system avoiding phenotypic selection: the RFLP/PCR approach. Zijlstra J, et al. **Prog Clin Biol Res** 1990;347:187–200 (40 ref.)

Mutations in the insulin receptor gene in genetic forms of insulin resistance. Taylor SI, et al. **Recent Prog Horm Res** 1990;46:185–213; discussion 213–7 (80 ref.)

p53 mutations in human cancers. Hollstein M, et al. **Science** 1991 Jul 5;253(5015):49–53 (96 ref.)

[Discovery and significance of core gene mutagenic strain of hepatitis B virus] Weng YM. **Chung Hua I Hsueh Tsa Chih** 1990 Nov;70(11):664–5 (7 ref.) **(Chi)**

DRUG EFFECTS

Antimutagenic heat stable antioxidants. Osawa T, et al. **Prog Clin Biol Res** 1990;347:223–38 (40 ref.)

[Natural anti-mutagenic and anti-carcinogenic substances] Rahden-Staroń I. **Postepy Biochem** 1990;36(3–4):16–22 (54 ref.) **(Pol)**

[Late toxic effects of chlorophos (review of the literature)] Nedopitanskaia NN, et al. **Gig Sanit** 1991 Mar;(3):61–4 (69 ref.) **(Rus)**

GENETICS

Identification of 17 independent mutations responsible for human hypoxanthine-guanine phosphoribosyltransferase (HPRT) deficiency. Davidson BL, et al. **Am J Hum Genet** 1991 May;48(5):951–8 (22 ref.)

Frequency and genetic background of the position 122 (Val——Ile) variant transthyretin gene in the black population. Jacobson DR, et al. **Am J Hum Genet** 1991 Jul;49(1):192–8 (46 ref.)

The chromosome-breakage syndromes: rare disorders that provide models for studying somatic mutation. German J. **Birth Defects** 1990;26(1):85–111 (68 ref.)

Charles S. Mott Prize. Recessive mutations in the causation of human cancer. Cavenee WK. **Cancer** 1991 May 15; 67(10):2431–5 (14 ref.)

Mutations in human breast cancer cells: dominantly-acting oncogenes and tumor suppressor genes suggest strategies for targeted interference. Groner B, et al. **Int J Cancer Suppl** 1990;5:40–6 (60 ref.)

Mechanisms of resistance to the 4-quinolone antibacterial agents. Crumplin GC. **J Antimicrob Chemother** 1990 Dec; 26 Suppl F:131–44 (64 ref.)

Molecular characterization of the retinal degeneration slow (rds) mutation in mouse. Travis GH. **Prog Clin Biol Res** 1991;362:87–114 (32 ref.)

Familial hypercholesterolemia: dissection of a receptor disease. Schneider WJ. **Z Kardiol** 1990;79 Suppl 3:3–7 (23 ref.)

[Mitochondrial DNA mutations as a factor of the aging process and degenerative changes] Jendryczko A, et al. **Przegl Lek** 1990;47(9):645–7 (25 ref.) **(Pol)**

[Genetic and biochemical control of biosynthesis of macrolide antibiotics] Navashin SM, et al. **Antibiot Khimioter** 1990 Dec;35(12):34–8 (62 ref.) **(Rus)**

PHYSIOLOGY

How proteins are altered in genetic disease: an overview. McInnes RR. **Semin Perinatol** 1991 Feb;15(1 Suppl 1):16–30 (39 ref.)

Physiology of mutations affecting learning and memory in Drosophila--the missing link between gene product and behavior [news] Tully T. **Trends Neurosci** 1991 May; 14(5):163–4 (19 ref.)

RADIATION EFFECTS

Ionizing radiation and genetic risks. II. Nature of radiation-induced mutations in experimental mammalian in vivo systems. Sankaranarayanan K. **Mutat Res** 1991 Jul; 258(1):51–73 (133 ref.)

Ionizing radiation and genetic risks. III. Nature of spontaneous and radiation-induced mutations in mammalian in vitro systems and mechanisms of induction of mutations by radiation. Sankaranarayanan K. **Mutat Res** 1991 Jul;258(1):75–97 (150 ref.)

MUTATIONAL ANALYSIS, DNA see **DNA MUTATIONAL ANALYSIS**

MYALGIA, EPIDEMIC see **PLEURODYNIA, EPIDEMIC**

MYASTHENIA GRAVIS

Myasthenia gravis in mothers and their newborns. Plauché WC. **Clin Obstet Gynecol** 1991 Mar;34(1):82–99 (108 ref.)

Myasthenia gravis. Linton DM, et al. **Dis Mon** 1990 Nov; 36(11):593–637 (165 ref.)

[Arthrogryposis and maternal myasthenia gravis. Risk of recurrence] Tranchant C, et al. **Rev Neurol (Paris)** 1991; 147(1):62–4 (11 ref.) (Eng. Abstr.) **(Fre)**

[Myasthenia gravis] Mora A, et al. **Rev Esp Anestesiol Reanim** 1990 Sep–Oct;37(5):284–90 (57 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Thymolipoma in association with myasthenia gravis. Le Marchadour F, et al. **Am J Surg Pathol** 1991 Aug; 15(8):802–9 (39 ref.)

Extrathymic malignancy in patients with myasthenia gravis. Monden Y, et al. **Eur J Cancer** 1991;27(6):745–7 (15 ref.)

Juvenile myasthenia gravis: an unusual presentation. Winter PH, et al. **Int J Pediatr Otorhinolaryngol** 1990 Aug; 19(3):273–6 (7 ref.)

Respiratory failure associated with myasthenia gravis. Roy TM, et al. **J Ky Med Assoc** 1991 Apr;89(4):169–73 (14 ref.)

Thymoma and myasthenia gravis in pregnancy: report of a case. Huang CC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1991 Feb;90(2):206–8 (10 ref.)

[Clinical analysis of myasthenia gravis accompanied by invasive thymoma] Wakata N, et al. **Rinsho Shinkeigaku** 1991 Mar;31(3):260–5 (19 ref.) (Eng. Abstr.) **(Jpn)**

[Myasthenia gravis and pregnancy: review of the literature and report of 2 cases] Cecatti JG, et al. **Rev Paul Med** 1991 Jan–Feb;109(1):41–6 (13 ref.) (Eng. Abstr.) **(Por)**

DRUG THERAPY

Clinical pharmacokinetics of acetylcholinesterase inhibitors. Hartvig P, et al. **Prog Brain Res** 1990;84:139–43 (22 ref.)

[Immunosuppressive therapy of various autoimmune diseases of the nervous system] Neretin VIa, et al. **Sov Med** 1990; (12):31–5 (39 ref.) **(Rus)**

ETIOLOGY

[AIDS and myasthenia: an uncommon association] Martini L, et al. **Rev Neurol (Paris)** 1991;147(5):395–7 (15 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Immunogenetic mechanisms in myasthenia gravis. Steinman L. **Prog Brain Res** 1990;84:117–24 (34 ref.)

IMMUNOLOGY

Myasthenia gravis. Newsom-Davis J. **Ann Ital Med Int** 1988; 3 Suppl 1:32–7 (33 ref.)

Autoimmunity to acetylcholine receptors in myasthenia gravis. Vincent A. **Biochem Soc Trans** 1991 Feb;19(1):180–3 (22 ref.)

Myasthenia gravis: prototype of the antireceptor autoimmune diseases. Schönbeck S, et al. **Int Rev Neurobiol** 1990; 32:175–200 (175 ref.)

PHYSIOPATHOLOGY

Myasthenia gravis in children and its anaesthetic implications. Brown TC, et al. **Anaesth Intensive Care** 1990 Nov; 18(4):466–72 (12 ref.)

Ocular myasthenia. Differences between the ocular and the generalized form of myasthenia. Schmidt D. **Bull Soc Belge Ophtalmol** 1989;237:353–80 (221 ref.)

Why are eye muscles frequently involved in myasthenia gravis? [see comments] Kaminski HJ, et al. **Neurology** 1990 Nov;40(11):1663–9 (58 ref.) Comment in: Neurology 1991 Apr;41(4):611.

SURGERY

[Postoperative intensive care after thymectomy for myasthenia gravis] Engler JM, et al. **Ann Chir** 1990; 44(8):628–31 (10 ref.) (Eng. Abstr.) **(Fre)**

[Myasthenia gravis: results of thymectomy in 550 patients] Szobor A, et al. **Orv Hetil** 1990 Nov 18;131(46):2519–24, 2527 (47 ref.) (Eng. Abstr.) **(Hun)**

[A case report of extended thymectomy in an elderly patient with myasthenia gravis associated with Hashimoto's disease] Mizutani S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Feb;39(2):228–31 (13 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Current treatment of myasthenia gravis. Osterman PO. **Prog Brain Res** 1990;84:151–61 (50 ref.)

[The therapy of myasthenia gravis pseudoparalytica] Baumgartner RW, et al. **Dtsch Med Wochenschr** 1991 Jan 25;116(4):148–54 (49 ref.) **(Ger)**

ULTRASONOGRAPHY

Prenatal diagnosis of congenital myasthenia with arthrogryposis in a myasthenic mother. Stoll C, et al. **Prenat Diagn** 1991 Jan;11(1):17–22 (12 ref.)

MYB GENES see **ONCOGENES**

MYC GENES see **GENES, MYC**

MYC PROTO-ONCOGENE PROTEINS see **PROTO-ONCOGENE PROTEINS C-MYC**

MYCETOMA see **MADUROMYCOSIS**

MYCETOZOA see **MYXOMYCOTA**

MYCOBACTERIUM

Recent developments in molecular biology of mycobacteria. Grange JM. **Bull Int Union Tuberc Lung Dis** 1990 Jun–Sep; 65(2–3):19–23 (21 ref.)

ANALYSIS

The carbohydrate- and lipid-containing cell wall of mycobacteria, phenolic glycolipids: structure and immunological properties. Puzo G. **Crit Rev Microbiol** 1990;17(4):305–27 (206 ref.)

ENZYMOLOGY

[The role of propionyl-CoA carboxylase in the biosynthesis of antibiotics] Kirsanov AIu, et al. **Antibiot Khimioter** 1991 Apr;36(4):32–5 (62 ref.) **(Rus)**

GENETICS

Nucleic acid based methods for detection of mycobacteria. Terpstra WJ. **Bull Int Union Tuberc Lung Dis** 1990 Jun–Sep;65(2–3):63–6 (9 ref.)

IMMUNOLOGY

Immunity to mycobacteria: possible role of alpha/beta and gamma/delta T lymphocytes. Munk ME, et al. **APMIS** 1990 Aug;98(8):669–73 (27 ref.)

The immune response to mycobacterial heat shock proteins. Young DB. **Autoimmunity** 1990;7(4):237–44 (30 ref.)

The guinea pig in mycobacterial immunology. Application of classical and recent techniques. Hasløv K. **Dan Med Bull** 1990 Dec;37(6):521–30 (146 ref.)

Interleukins, mycobacteria, and listeriae. Kaufmann SH. **Diagn Microbiol Infect Dis** 1990 Sep–Oct;13(5):429–33 (34 ref.)

Recognition of mycobacterial antigens by gamma delta T cells. Band H, et al. **Res Immunol** 1990 Sep;141(7):645–51 (43 ref.)

Immunity to mycobacteria. Kaufmann SH. **Res Microbiol** 1990 Sep–Oct;141(7–8):765–8 (20 ref.)

Function and antigen specificity of T-cells against mycobacteria. Kaufmann SH, et al. **Trop Med Parasitol** 1990 Sep;41(3):319–20 (18 ref.)

Mycobacterium vaccae in immunoprophylaxis and immunotherapy of leprosy and tuberculosis. Stanford JL, et al. **Vaccine** 1990 Dec;8(6):525–30 (45 ref.)

[Mycobacterial antigens and their diagnostic value] Badukshanova NM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1991 May;(5):54–9 (50 ref.) **(Rus)**

ISOLATION & PURIFICATION

[The polymerase chain reaction in the diagnosis of mycobacteria] Böttger EC. **Dtsch Med Wochenschr** 1991 May 17;116(20):777–9 (14 ref.) **(Ger)**

METABOLISM

Permeability of the mycobacterial cell wall. Nikaido H, et al. **Res Microbiol** 1991 May;142(4):437–43 (34 ref.)

PATHOGENICITY

Mycobacterial cell wall and pathogenicity: a lipodologist's view. Lanéelle G, et al. **Res Microbiol** 1991 May; 142(4):433–7 (23 ref.)

PHYSIOLOGY

Structure, function and biogenesis of the cell envelope of mycobacteria in relation to bacterial physiology, pathogenesis and drug resistance; some thoughts and possibilities arising from recent structural information. McNeil MR, et al. **Res Microbiol** 1991 May;142(4):451–63 (66 ref.)

Recent observations concerning structure and function relationships in the mycobacterial cell envelope: elaboration of a model in terms of mycobacterial pathogenicity, virulence and drug-resistance. Rastogi N.

MYCOBACTERIUM

Res Microbiol 1991 May;142(4):464–76 (54 ref.)
Structure–to–function relationship of mycobacterial cell envelope components. Takayama K, et al.
Res Microbiol 1991 May;142(4):443–8 (37 ref.)

ULTRASTRUCTURE

The structure of the mycobacterial cell envelope is not yet understood. Draper P. **Res Microbiol** 1991 May; 142(4):420–2 (21 ref.)
Chemical principles in the organization of lipid components in the mycobacterial cell envelope. Minnikin DE. **Res Microbiol** 1991 May;142(4):423–7 (9 ref.)

MYCOBACTERIUM, ATYPICAL

DRUG EFFECTS

Studies on the role of the mycobacterial cell envelope in the multiple drug resistance of atypical mycobacteria. Hoffner SE, et al. **Res Microbiol** 1991 May;142(4):448–51 (11 ref.)

ISOLATION & PURIFICATION

Mycobacteria in the environment. Jenkins PA. **Soc Appl Bacteriol Symp Ser** 1991;20:137S–141S (15 ref.)
[Cutaneous infection by Mycobacterium fortuitum biovariant "third group"—a case report and bacteriological examination of the isolate] Fujimoto W, et al. **Nippon Hifuka Gakkai Zasshi** 1990 Oct;100(11):1173–81 (54 ref.) (Eng. Abstr.) **(Jpn)**
[Cutaneous atypical mycobacteriosis due to Mycobacterium kansasii—a case report and a review of the literature] Iijima M, et al. **Nippon Hifuka Gakkai Zasshi** 1990 May; 100(6):711–20 (40 ref.) (Eng. Abstr.) **(Jpn)**

MYCOBACTERIUM AVIUM COMPLEX

DRUG EFFECTS

Mycobacterium avium infection and AIDS: a therapeutic dilemma in rapid evolution. Ellner JJ, et al. **J Infect Dis** 1991 Jun;163(6):1326–35 (89 ref.)

PATHOGENICITY

Contributing factors of pathogenesis in the Mycobacterium avium complex. Barrow WW. **Res Microbiol** 1991 May; 142(4):427–33 (27 ref.)

MYCOBACTERIUM AVIUM–INTRACELLULARE see **MYCOBACTERIUM AVIUM COMPLEX**

MYCOBACTERIUM AVIUM–INTRACELLULARE COMPLEX see **MYCOBACTERIUM AVIUM COMPLEX**

MYCOBACTERIUM AVIUM–INTRACELLULARE INFECTION

COMPLICATIONS

Disseminated Mycobacterium avium complex infection. Inderlied CB, et al. **AIDS Clin Rev** 1990;:165–91 (95 ref.)
Mycobacterial disease associated with HIV infection. Beck K. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S19–23 (29 ref.)
Mycobacterium avium infection and AIDS: a therapeutic dilemma in rapid evolution. Ellner JJ, et al. **J Infect Dis** 1991 Jun;163(6):1326–35 (89 ref.)
[Hepatic involvement in AIDS. A retrospective clinical study in 71 patients] Astagneau P, et al. **Ann Med Interne (Paris)** 1990;141(5):459–63 (25 ref.) (Eng. Abstr.) **(Fre)**
[A case of disseminated atypical mycobacteriosis with multiple bronchial polyps] Gotoh T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Dec; 28(12):1628–34 (20 ref.) (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Current and investigational therapies for AIDS–associated Mycobacterium avium complex disease. Rathbun RC, et al. **Clin Pharm** 1991 Apr;10(4):280–91 (92 ref.)
Clofazimine: a review of its use in leprosy and Mycobacterium avium complex infection. Garrelts JC. **DICP** 1991 May;25(5):525–31 (54 ref.)
Drugs and drug development for chemotherapy of leprosy and tuberculosis, including M. avium infections. Seydel JK. **Trop Med Parasitol** 1990 Sep;41(3):341–3 (11 ref.)

ETIOLOGY

Mycobacterium avium complex infection in the acquired immunodeficiency syndrome. Horsburgh CR Jr. **N Engl J Med** 1991 May 9;324(19):1332–8 (74 ref.)

MICROBIOLOGY

Contributing factors of pathogenesis in the Mycobacterium avium complex. Barrow WW. **Res Microbiol** 1991 May; 142(4):427–33 (27 ref.)

MYCOBACTERIUM BOVIS

Tuberculosis in deer: a review. Clifton–Hadley RS, et al. **Vet Rec** 1991 Jul 6;129(1):5–12 (125 ref.)

IMMUNOLOGY

The beneficial effects of localized tumor necrosis factor production in BCG infection. Kindler V, et al. **Behring Inst Mitt** 1991 Feb;(88):120–4 (26 ref.)
The 32 kDa protein antigen of M. bovis B.C.G. and M. tuberculosis H37Rv. De Bruyn J, et al. **Trop Med Parasitol** 1990 Sep;41(3):331–2 (13 ref.)

MYCOBACTERIUM INFECTIONS

DIAGNOSIS

[The polymerase chain reaction in the diagnosis of mycobacteria] Böttger EC. **Dtsch Med Wochenschr** 1991 May 17;116(20):777–9 (14 ref.) **(Ger)**

EPIDEMIOLOGY

The changing epidemiology of tuberculosis and other mycobacterial infections in the United States: implications for the radiologist. Buckner CB, et al. **AJR Am J Roentgenol** 1991 Feb;156(2):255–64 (43 ref.)
[Tuberculosis and mycobacteriosis in HIV–1 infection] Rosci MA, et al. **Recenti Prog Med** 1990 Jan;81(1):9–17 (80 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

The immune response to mycobacterial heat shock proteins. Young DB. **Autoimmunity** 1990;7(4):237–44 (30 ref.)

GENETICS

Genetic control of innate resistance to mycobacterial infections. Schurr E, et al. **Immunol Today** 1991 Mar; 12(3):A42–5 (43 ref.)

IMMUNOLOGY

Interleukins, mycobacteria, and listeriae. Kaufmann SH. **Diagn Microbiol Infect Dis** 1990 Sep–Oct;13(5):429–33 (34 ref.)
Function and antigen specificity of T–cells against mycobacteria. Kaufmann SH, et al. **Trop Med Parasitol** 1990 Sep;41(3):319–20 (18 ref.)

MICROBIOLOGY

Opportunist mycobacteria. Jenkins PA. **Bull Int Union Tuberc Lung Dis** 1990 Jun–Sep;65(2–3):75–7 (14 ref.)

MYCOBACTERIUM INFECTIONS, ATYPICAL

Atypical mycobacterial infections. Holdiness MR. **J La State Med Soc** 1990 Nov;142(11):31–8 (22 ref.)
[Pulmonary infection with Mycobacterium szulgai] Auperin I, et al. **Rev Mal Respir** 1991;8(3):295–8 (7 ref.) (Eng. Abstr.) **(Fre)**
[Meningitis caused by non–tuberculous mycobacteria] Santamaría JM. **Enferm Infecc Microbiol Clin** 1989 Jun–Jul; 7(6):329–31 (44 ref.) **(Spa)**

COMPLICATIONS

[Unusual complication of liposuction (atypical cutaneous mycobacteriosis?)] Charleux D, et al. **Ann Dermatol Venereol** 1990;117(6–7):449–53 (22 ref.) **(Fre)**
[Sporotrichoid form of M. marinum infection in a patient treated with cyclosporin following kidney transplantation] Dompmartin A, et al. **Ann Dermatol Venereol** 1991; 118(5):377–9 (29 ref.) **(Fre)**
[Atypical mycobacterium infections] Krüger M. **Derm Beruf Umwelt** 1990 Jul–Aug;38(4):109–17 (91 ref.) (Eng. Abstr.) **(Ger)**
[Mycobacterium fortuitum in patients with chronic renal insufficiency: apropos of 2 cases] Viguera J, et al. **Enferm Infecc Microbiol Clin** 1990 May;8(5):286–8 (17 ref.) (Eng. Abstr.) **(Spa)**

EPIDEMIOLOGY

[Pulmonary disease caused by opportunistic environmental mycobacteria. Review of 35 cases] Hernández Flix S, et al. **Med Clin (Barc)** 1990 Jun 9;95(2):53–6 (26 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Nontuberculous mycobacterial peritonitis during continuous ambulatory peritoneal dialysis: case report and review of diagnostic and therapeutic strategies. Dunmire RB 3d, et al. **Am J Kidney Dis** 1991 Jul;18(1):126–30 (25 ref.)
[Mycobacterium kansasii extensive subcutaneous infection in dermatomyositis (letter)] Algayrès JP, et al. **Ann Med Interne (Paris)** 1990;141(7):633–5 (15 ref.) **(Fre)**

MICROBIOLOGY

Mycobacteria in the environment. Jenkins PA. **Soc Appl Bacteriol Symp Ser** 1991;20:137S–141S (15 ref.)
[Cutaneous infection by Mycobacterium fortuitum biovariant "third group"—a case report and bacteriological examination of the isolate] Fujimoto W, et al. **Nippon Hifuka Gakkai Zasshi** 1990 Oct;100(11):1173–81 (54 ref.) (Eng. Abstr.) **(Jpn)**
[Cutaneous atypical mycobacteriosis due to Mycobacterium kansasii—a case report and a review of the literature] Iijima M, et al. **Nippon Hifuka Gakkai Zasshi** 1990 May; 100(6):711–20 (40 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Nontuberculous mycobacterial infections of the skin. Report of fourteen cases and review of the literature. Street ML, et al. **J Am Acad Dermatol** 1991 Feb;24(2 Pt 1):208–15 (59 ref.)
The turtle's revenge: a case of soft tissue Mycobacterium chelonae infection. Miller AC, et al. **Med J Aust** 1990 Oct 15;153(8):493–5 (24 ref.)

MYCOBACTERIUM INTRACELLULARE see **MYCOBACTERIUM AVIUM COMPLEX**

MYCOBACTERIUM INTRACELLULARE INFECTION see **MYCOBACTERIUM AVIUM–INTRACELLULARE INFECTION**

MYCOBACTERIUM LEPRAE

DRUG EFFECTS

Dapsone, folate synthesis and M. leprae. Chatterjee BR. **Indian J Lepr** 1990 Oct–Dec;62(4):459–66 (21 ref.)

GENETICS

Towards clinical and epidemiological application of advances in molecular biology of Mycobacterium leprae. Katoch VM, et al. **Trop Med Parasitol** 1990 Sep;41(3):299–300 (22 ref.)

IMMUNOLOGY

Immunology of leprosy: cellular anergy to Mycobacterium leprae. Rojas–Espinosa O, et al. **Arch Invest Med (Mex)** 1989 Oct–Dec;20(4):335–41 (28 ref.)
Mycobacterium leprae antigens and their utility in immunodiagnostics of leprosy. Sengupta U. **Trop Med Parasitol** 1990 Sep;41(3):361–2 (9 ref.)

PHYSIOLOGY

Recent research into the physiology of Mycobacterium leprae. Wheeler PR. **Adv Microb Physiol** 1990;31:71–124 (240 ref.)

MYCOBACTERIUM TUBERCULOSIS

[25 years progress in tubercule bacillus research—report of tuberculosis panels in silver jubilee of the Japan–U.S. Cooperative Medical Science Program] Azuma I. **Kekkaku** 1991 May;66(5):361–5 (1 ref.) **(Jpn)**

DRUG EFFECTS

Drug resistance and tuberculosis elimination. Grange JM. **Bull Int Union Tuberc Lung Dis** 1990 Jun–Sep;65(2–3):57–9 (7 ref.)
Multidrug therapy for tuberculosis in children [comment] Starke JR. **Pediatr Infect Dis J** 1990 Nov;9(11):785–93 (84 ref.) Comment on: Pediatr Infect Dis J 1990 Nov;9(11):794–801. Comment on: Pediatr Infect Dis J 1990 Nov;9(11):802–6.
Dosing regimens in the treatment of tuberculosis. Blom–Bülow B. **Scand J Infect Dis Suppl** 1990;74:258–61 (12 ref.)

IMMUNOLOGY

The immune response to Mycobacterium tuberculosis. Munk ME, et al. **Behring Inst Mitt** 1991 Feb;(88):27–35 (98 ref.)
What mediates the immunopathological component of the immune response to Mycobacterium tuberculosis? Can it be switched off? Rook GA, et al. **Bull Int Union Tuberc Lung Dis** 1990 Jun–Sep;65(2–3):23–6 (23 ref.)
Characterization of prominent protein antigens from mycobacteria. Young D, et al. **Bull Int Union Tuberc Lung Dis** 1991 Mar;66(1):47–51 (41 ref.)
Vaccines against tuberculosis: the impact of modern biotechnology. Kaufmann SH. **Scand J Infect Dis Suppl** 1990;76:54–9 (14 ref.)
The 32 kDa protein antigen of M. bovis B.C.G. and M. tuberculosis H37Rv. De Bruyn J, et al. **Trop Med Parasitol** 1990 Sep;41(3):331–2 (13 ref.)
[Determination of anti–mycobacteria antibody titers by ELISA for the early diagnosis of tuberculosis] Toida I, et al. **Kekkaku** 1990 Aug;65(8):545–58 (73 ref.) (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Bacteremia due to Mycobacterium tuberculosis in patients with human immunodeficiency virus infection. A report of 9 cases and a review of the literature. Barber TW, et al. **Medicine (Baltimore)** 1990 Nov;69(6):375–83 (38 ref.)

MYCOLIC ACIDS

METABOLISM

Structure–to–function relationship of mycobacterial cell envelope components. Takayama K, et al. **Res Microbiol** 1991 May;142(4):443–8 (37 ref.)

MYCOPHENOLIC ACID

ANALOGS & DERIVATIVES

Immunosuppressive and long–acting anti–inflammatory activity of mycophenolic acid and derivative, RS–61443. Allison AC, et al. **Br J Rheumatol** 1991;30 Suppl 2:57–61 (8 ref.)

RS–61443 studies: review and proposal. Platz KP, et al. **Transplant Proc** 1991 Apr;23(2 Suppl 2):33–5 (34 ref.)

PHARMACOLOGY

Immunosuppressive and long–acting anti–inflammatory activity of mycophenolic acid and derivative, RS–61443. Allison AC, et al. **Br J Rheumatol** 1991;30 Suppl 2:57–61 (8 ref.)

MYCOPLASMA

Perinatal mycoplasmal infections. Cassell GH, et al. **Clin Perinatol** 1991 Jun;18(2):241–62 (84 ref.)

GENETICS

Mycoplasmal genetics. Dybvig K. **Annu Rev Microbiol** 1990; 44:81–104 (125 ref.)

Deviations from the 'universal' genetic code. Caron F. **Microbiol Sci** 1986 Feb;3(2):36–40 (27 ref.)

The mycoplasma genome: Part 2. Christiansen C. **Microbiol Sci** 1987 Oct;4(10):292–5 (44 ref.)

The mycoplasma genome. Part 1. Christiansen C. **Microbiol Sci** 1987 Jun;4(6):168–72 (56 ref.)

[Composition and quantities of anticodons in the cell] Yamao F, et al. **Tanpakushitsu Kakusan Koso** 1990 Aug; 35(11):1999–2009 (34 ref.) **(Jpn)**

MYCOPLASMA INFECTIONS

Urethritis in men. Fowler JE Jr. **Semin Urol** 1991 Feb; 9(1):15–27 (87 ref.)

DIAGNOSIS

[Use of microbiologic–serologic studies for Chlamydia and Mycoplasma in differential diagnosis of inflammatory rheumatic diseases] von Recklinghausen G. **Z Rheumatol** 1990 Nov–Dec;49(6):361–3 (31 ref.) (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

[Microbial spectrum and microbiological diagnosis of infectious endocarditis] [see comments] Schubert S, et al. **Immun Infekt** 1991 Apr;19(2):38–41 (43 ref.) (Eng. Abstr.) Comment in: Immun Infekt 1991 Apr;19(2):37. **(Ger)**

MYCOPLASMA PNEUMONIA see **PNEUMONIA, MYCOPLASMA**

MYCOPLASMA PNEUMONIAE

IMMUNOLOGY

Transverse myelitis associated with mycoplasma pneumoniae: case report. Heller L, et al. **Paraplegia** 1990 Oct;28(8):522–5 (16 ref.)

ISOLATION & PURIFICATION

[Use of microbiologic–serologic studies for Chlamydia and Mycoplasma in differential diagnosis of inflammatory rheumatic diseases] von Recklinghausen G. **Z Rheumatol** 1990 Nov–Dec;49(6):361–3 (31 ref.) (Eng. Abstr.) **(Ger)**

PATHOGENICITY

Inflammatory pseudotumor of the lung in a child with mycoplasma pneumonia. Park SH, et al. **J Korean Med Sci** 1990 Dec;5(4):213–23 (45 ref.)

MYCOPLASMATALES INFECTIONS

Perinatal mycoplasmal infections. Cassell GH, et al. **Clin Perinatol** 1991 Jun;18(2):241–62 (84 ref.)

MYCOSES

Community–acquired fungal diseases. Sarosi GA. **Clin Chest Med** 1991 Jun;12(2):337–47 (40 ref.)

Fungal tracheobronchitis. Report of 9 cases and review of the literature. Clarke A, et al. **Medicine (Baltimore)** 1991 Jan;70(1):1–14 (52 ref.)

Fungal diseases of the sinuses. Corey JP, et al. **Otolaryngol Head Neck Surg** 1990 Dec;103(6):1012–5 (27 ref.)

Invasive Chrysosporium infection of the nose and paranasal sinuses in an immunocompromised host. Levy FE, et al. **Otolaryngol Head Neck Surg** 1991 Mar;104(3):384–8 (10 ref.)

Fungemia in a university hospital 1984–1988. Clinical and mycological characteristics. Nielsen H, et al. **Scand J Infect Dis** 1991;23(3):275–82 (37 ref.)

[Fungal endocarditis after open heart surgery] Zhang TS, et al. **Chung Hua Wai Ko Tsa Chih** 1990 Nov; 28(11):699–700, 685 (19 ref.) **(Chi)**

[Systemic mycotic infections] Meunier F. **Recenti Prog Med** 1990 Jan;81(1):18–22 (44 ref.) (Eng. Abstr.) **(Fre)**

BLOOD

Fungemia with Saccharomycetaceae. Report of four cases and review of the literature. Nielsen H, et al. **Scand J Infect Dis** 1990;22(5):581–4 (15 ref.)

COMPLICATIONS

Fungal infections in AIDS patients. Stevens DA. **Br J Clin Pract Symp Suppl** 1990 Sep;71:11–22 (78 ref.)

Update on infections in neutropenic hosts. Gulick PG. **J Am Osteopath Assoc** 1990 Oct;90(10):920–5 (32 ref.)

Extrapulmonary pneumocystosis: clinical features in human immunodeficiency virus infection. Northfelt DW, et al. **Medicine (Baltimore)** 1990 Nov;69(6):392–8 (53 ref.)

Mycoses complicating AIDS. Stenderup A, et al. **Microbiol Sci** 1984 Dec;1(9):219–23 (55 ref.)

The growing problem of mycoses in patients infected with the human immunodeficiency virus. Diamond RD. **Rev Infect Dis** 1991 May–Jun;13(3):480–6 (38 ref.)

Extrapulmonary pneumocystosis: the first 50 cases. Raviglione MC. **Rev Infect Dis** 1990 Nov–Dec; 12(6):1127–38 (67 ref.)

DIAGNOSIS

Systemic fungal infections: an overview. Medoff G, et al. **Hosp Pract [Off]** 1991 Feb 15;26(2):41–52 (10 ref.)

Fungal skin test antigens. Auger P. **Immunol Ser** 1989; 47:459–69 (27 ref.)

Fungal meningitis. Treseler CB, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):789–808 (113 ref.)

Molecular genetics of pathogenic fungi: some recent developments and perspectives. Ernst JF. **Mycoses** 1990 May;33(5):225–9 (37 ref.)

Problems in the diagnosis of invasive fungal diseases. Rinaldi MG. **Rev Infect Dis** 1991 May–Jun;13(3):493–5 (6 ref.)

[A fungal aneurysm in a patient with presumed Tolosa–Hunt syndrome] Shimizu T, et al. **No Shinkei Geka** 1991 May; 19(5):477–83 (36 ref.) (Eng. Abstr.) **(Jpn)**

[New diagnostic methods in infectious pathology due to parasites and fungi] Torronteras Santiago R. **An Esp Pediatr** 1989 Sep;31 Suppl 38:157–60 (20 ref.) **(Spa)**

DRUG THERAPY

Fluconazole: a new triazole antifungal agent. Morrow JD. **Am J Med Sci** 1991 Aug;302(2):129–32 (24 ref.)

Successful treatment of disseminated Fusarium infection in an immunocompromised child. Barrios NJ, et al. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):319–24 (34 ref.)

Empiric treatment of fungal infections in the neutropenic host. Review of the literature and guidelines for use. Sugar AM. **Arch Intern Med** 1990 Nov;150(11):2258–64 (43 ref.)

Fungal infections and their management. Graybill JR, et al. **Br J Clin Pract Symp Suppl** 1990 Sep;71:23–31 (87 ref.)

Oral and parenteral treatment with itraconazole in various superficial and systemic experimental fungal infections. Comparisons with other antifungals and combination therapy. Van Cutsem J. **Br J Clin Pract Symp Suppl** 1990 Sep;71:32–40 (17 ref.)

Fungal infections in cancer patients. Meunier F. **Cancer Invest** 1991;9(2):151–8 (77 ref.)

Newer concepts in antimicrobial therapy. Gentry LO. **Clin Orthop** 1990 Dec;(261):23–6 (12 ref.)

Criteria for use of fluconazole in adult and pediatric inpatients and outpatients. Bourne KM, et al. **Clin Pharm** 1991 Mar; 10(3):222–7 (23 ref.)

Fluconazole: a new antifungal agent. Kowalsky SF, et al. **Clin Pharm** 1991 Mar;10(3):179–94 (181 ref.)

Fluconazole: a new triazole antifungal agent. Pasko MT, et al. **DICP** 1990 Sep;24(9):860–7 (66 ref.)

Combination therapy in systemic mycosis. Polak A. **J Chemother** 1990 Aug;2(4):211–7 (46 ref.)

The role of chemoprophylaxis in the prevention of airborne infection by fungal pathogens. Hay RJ. **J Hosp Infect** 1991 Jun;18 Suppl A:460–5 (32 ref.)

Laboratory monitoring of antifungal chemotherapy. British Society for Antimicrobial Chemotherapy Working Party. **Lancet** 1991 Jun 29;337(8757):1577–80 (27 ref.)

Present status of antimycotics. Kerridge D. **Microbiol Sci** 1985;2(3):78, 83–6 (35 ref.)

Use of amphotericin B in immunosuppressed patients with cancer. Part Two: Pharmacodynamics and nursing implications. Holtzclaw BJ, et al. **Oncol Nurs Forum** 1990 Sep–Oct;17(5):737–42 (25 ref.)

Use of amphotericin B in immunosuppressed patients with cancer. Part One: Pharmacology and toxicities. Rutledge DN, et al. **Oncol Nurs Forum** 1990 Sep–Oct;17(5):731–6 (48 ref.)

Gynaecological infections and strategies for treatment. Roex AJ. **Pharm Weekbl [Sci]** 1990 Dec 14;12(6A):268–74 (31 ref.)

Fluconazole. Review and situation among antifungal drugs in the treatment of opportunistic mycoses of human immuno–deficiency virus infections. Vincent–Ballereau FN, et al. **Pharm Weekbl [Sci]** 1991 Apr 26;13(2):45–57 (47 ref.)

Treatment of fungal infections in patients infected with the human immunodeficiency virus. Sugar AM. **Pharmacotherapy** 1990;10(6 (Pt 3)):154S–158S (26 ref.)

Clinical and experimental evidence on miconazole for the treatment of systemic mycoses: a review. Symoens J. **Proc R Soc Med** 1977;70 Suppl 1:4–8 (45 ref.)

Empiric therapy with amphotericin B in febrile granulocytopenic patients. Walsh TJ, et al. **Rev Infect Dis** 1991 May–Jun;13(3):496–503 (49 ref.)

Antifungal therapy and its use in surgical treatment. Perfect JR. **Surg Gynecol Obstet** 1990;171 Suppl:41–8 (68 ref.)

[Current progress in antifungal therapy: the value of fluconazole] Meunier F. **Rev Med Brux** 1990 Sep; 11(7):278–82 (27 ref.) (Eng. Abstr.) **(Fre)**

[Antimycotic agents. Progress in treatment of mycoses] Schäfer–Korting M. **Med Monatsschr Pharm** 1991 Jul; 14(7):197–205 (32 ref.) **(Ger)**

[Antimycotic therapy] Schaffner A. **Ther Umsch** 1990 Aug; 47(8):664–9 (5 ref.) (Eng. Abstr.) **(Ger)**

[Pharmacokinetics of amphotericin B and its derivatives] Vetkina IF. **Antibiot Khimioter** 1991 Apr;36(4):36–8 (36 ref.) **(Rus)**

[Treatment of deep mycoses] Barros C. **Enferm Infecc Microbiol Clin** 1989 Aug–Sep;7(7):380–8 (91 ref.) **(Spa)**

[Therapy of infections caused by opportunistic agents: fungi] Martin E, et al. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:62–6 (66 ref.) **(Spa)**

[Importance of the new triazoles in antifungal therapy] Durmaz B. **Mikrobiyol Bul** 1991 Jan;25(1):118–23 (27 ref.) (Eng. Abstr.) **(Tur)**

EPIDEMIOLOGY

Epidemiology of digestive tract mycoses in immunocompromised patients—a review. Farina C, et al. **Eur J Epidemiol** 1990 Dec;6(4):363–70 (74 ref.)

Central venous catheter related sepsis: a clinical review. Putterman C. **Resuscitation** 1990 Aug;20(1):1–16 (128 ref.)

[Incidence and kinds of mycotic infections in the mouth cavity, throat, nasal cavity, maxillary sinus, larynx and ear] Kurnatowski P. **Otolaryngol Pol** 1990;44(1):49–56 (31 ref.) (Eng. Abstr.) **(Pol)**

[Infective complications after liver transplant] Paya CV, et al. **Enferm Infecc Microbiol Clin** 1989 May;7(5):270–6 (24 ref.) **(Spa)**

ETIOLOGY

Extrapulmonary Pneumocystis carinii infections in the acquired immunodeficiency syndrome. Cohen OJ, et al. **Arch Intern Med** 1991 Jun;151(6):1205–14 (89 ref.)

Disseminated Trichosporon capitatum infection in a patient with acute leukemia undergoing bone marrow transplantation. Liu KL, et al. **Bone Marrow Transplant** 1990 Sep;6(3):219–21 (25 ref.)

Infection and the burn patient [see comments] Pruitt BA Jr. **Br J Surg** 1990 Oct;77(10):1081–2 (8 ref.) Comment in: Br J Surg 1991 Feb;78(2):248.

The pathogenesis of opportunistic mycoses in man. Smith JM. **Microbiol Sci** 1986 Apr;3(4):122–5 (35 ref.)

Mycotic infection and the pediatric surgeon. Nagar H. **Mycopathologia** 1990 Dec;112(3):147–55 (87 ref.)

Fungal infections in patients with cancer. Anaissie EJ, et al. **Pharmacotherapy** 1990;10(6 (Pt 3)):164S–169S (47 ref.)

[Infectious complications due to central venous polymeric catheters] Kurz RW, et al. **Anaesthesist** 1991 May; 40(5):262–70 (110 ref.) (Eng. Abstr.) **(Ger)**

[Opportunistic systemic mycoses] Szalka A, et al. **Orv Hetil** 1991 Aug 25;132(34):1851–6, 1859 (42 ref.) (Eng. Abstr.) **(Hun)**

IMMUNOLOGY

Immunological aspects of fungal pathogenesis. Deepe GS, et al. **Eur J Clin Microbiol Infect Dis** 1990 Aug;9(8):567–79 (134 ref.)

The role of neutrophils and macrophages in host resistance to systemic fungal infections. Brummer E. **Immunol Ser** 1989;47:273–89 (80 ref.)

The role of complement in host resistance to systemic fungal infection. Calderone RA, et al. **Immunol Ser** 1989;47:225–42 (62 ref.)

Circulating antigens in systemic fungal diseases. de Repentigny L. **Immunol Ser** 1989;47:471–84 (65 ref.)

[The immune response in pediatric infections] Martin Mateos MA. **An Esp Pediatr** 1989 Sep;31 Suppl 38:20–4 (14 ref.) **(Spa)**

MICROBIOLOGY

Pneumocystis carinii otitis media in AIDS: a case report and review of the literature regarding extrapulmonary pneumocystosis. Sandler ED, et al. **Otolaryngol Head Neck Surg** 1990 Nov;103(5 (Pt 1)):817–21 (16 ref.)

Grossly visible fungal colonization of a Tenckhoff catheter. A case report and literature review. Sekkarie M, et al. **Perit Dial Int** 1991;11(1):85–7 (6 ref.)

Endocarditis due to Trichosporon beigelii: in vitro susceptibility of isolates and review. Keay S, et al. **Rev Infect Dis** 1991 May–Jun;13(3):383–6 (34 ref.)

[Phaeohyphomycosis and hyalohyphomycosis] Matsumoto T. **Fukuoka Igaku Zasshi** 1990 Oct;81(10):319–22 (7 ref.) **(Jpn)**

PHYSIOPATHOLOGY

The impact of infection on the outcome of transplantation. Rubin RH, et al. **Transplant Proc** 1991 Aug;23(4):2068–74 (44 ref.)

PREVENTION & CONTROL

Selective parenteral and enteral antisepsis regimen (SPEAR). Gould IM. **Br J Hosp Med** 1990 Sep;44(3):209–11 (45 ref.)

Rational principles for immunoglobulin prophylaxis and therapy of neonatal infections. Kliegman RM, et al. **Clin Perinatol** 1991 Jun;18(2):303–24 (82 ref.)

VETERINARY

Review of animal mycoses in Australia. Connole MD. **Mycopathologia** 1990 Sep;111(3):133–64 (209 ref.)

MYCOSIS FUNGOIDES

Mycosis fungoides and the Sézary syndrome: a review of pathogenesis, diagnosis, and therapy. Kuzel TM, et al. **J Clin Oncol** 1991 Jul;9(7):1298–313 (132 ref.)

GENETICS

Variants of mycosis fungoides and related cutaneous T-cell lymphomas. LeBoit PE. **Semin Diagn Pathol** 1991 May; 8(2):73–81 (34 ref.)

PATHOLOGY

Mycosis fungoides and the Sézary syndrome: pathology, staging, and treatment. Hoppe RT, et al. **Curr Probl Cancer** 1990 Nov–Dec;14(6):293–371 (163 ref.)

THERAPY

Mycosis fungoides and the Sézary syndrome: pathology, staging, and treatment. Hoppe RT, et al. **Curr Probl Cancer** 1990 Nov–Dec;14(6):293–371 (163 ref.)

Mycosis fungoides—a treatment review. Reddy S, et al. **Indiana Med** 1991 Jan;84(1):10–3 (26 ref.)

The management of mycosis fungoides at Stanford—standard and innovative treatment programmes. Hoppe RT. **Leukemia** 1991;5 Suppl 1:46–8 (9 ref.)

[Rational basis for the use of alfa-2a recombinant interferon in the treatment of mycosis fungoides (MF)] Mazza P, et al. **Haematologica** 1990 Jul–Aug;75 Suppl 4:78–81 (35 ref.) **(Ita)**

MYCOSIS, OCULAR see **EYE INFECTIONS, FUNGAL**

MYCOTIC ANEURYSM see **ANEURYSM, INFECTED**

MYCOTIC INFECTIONS, OCULAR see **EYE INFECTIONS, FUNGAL**

MYCOTOXICOSIS

DIAGNOSIS

Immunoassays for mycotoxins: current state of the art, commercial and epidemiological applications. Chu FS. **Vet Hum Toxicol** 1990;32 Suppl:42–50 (92 ref.)

MYCOTOXINS

see related
ERGOTISM

ANALYSIS

Rationales for the establishment of limits and regulations for mycotoxins. Stoloff L, et al. **Food Addit Contam** 1991 Mar–Apr;8(2):213–21 (20 ref.)

Immunoassays for mycotoxins: current state of the art, commercial and epidemiological applications. Chu FS. **Vet Hum Toxicol** 1990;32 Suppl:42–50 (92 ref.)

BIOSYNTHESIS

Toxins from Fusarium moniliforme, a common fungus in corn. Voss KA. **Vet Hum Toxicol** 1990;32 Suppl:57–63 (55 ref.)

METABOLISM

Yeast killer toxin and an immunity protein are processed from a composite precursor. Bussey H. **Microbiol Sci** 1984 Jun; 1(3):62–6 (26 ref.)

PHARMACOLOGY

Interfaces of the yeast killer phenomenon. Polonelli L, et al. **Crit Rev Microbiol** 1991;18(1):47–87 (556 ref.)

POISONING

Why these toxins and why now? Hall JO, et al. **Vet Hum Toxicol** 1990;32 Suppl:2–5 (46 ref.)

Risk assessment to humans of mycotoxins in animal-derived food products [corrected and republished article originally printed in Vet Hum Toxicol 1990;32 Suppl:6–13; discussion 13–4] Kuiper-Goodman T. **Vet Hum Toxicol** 1991 Aug; 33(4):325–32; discussion 332–3 (49 ref.)

TOXICITY

Mycotoxin research in the Hungarian Central Veterinary Institute. Sándor G, et al. **Acta Vet Hung** 1990;38(1–2):61–8 (29 ref.)

Bisfuranoid mycotoxins: their genotoxicity and carcinogenicity. Hsieh DP, et al. **Adv Exp Med Biol** 1991; 283:525–32 (41 ref.)

Past and future in mycotoxin toxicology research. Schlatter C. **J Environ Pathol Toxicol Oncol** 1990 May–Jun; 10(3):138–44 (44 ref.)

Biological reactive intermediates of bisfuranoid mycotoxins. Hsieh DP. **J Toxicol Sci** 1990 Dec;15 Suppl 4:152–8 (24 ref.)

Mycotoxins: food contamination, mechanism, carcinogenic potential and preventive measures. Chu FS. **Mutat Res** 1991 Mar–Apr;259(3–4):291–306 (124 ref.)

Cyclopiazonic acid: toxicity and tissue distribution. Norred WP. **Vet Hum Toxicol** 1990;32 Suppl:20–5; discussion 25–6 (34 ref.)

Additional mycotoxins of potential importance to human and animal health. Richard JL. **Vet Hum Toxicol** 1990;32 Suppl:63–9; discussion 69–70 (70 ref.)

MYDRIATICS

ADVERSE EFFECTS

Possible allergic reactions to cyclopentolate hydrochloride: case reports with literature review of uses and adverse reactions. Jones LW, et al. **Ophthalmic Physiol Opt** 1991 Jan;11(1):16–21 (47 ref.)

MYELENCEPHALON see **MEDULLA OBLONGATA**

MYELIN BASIC PROTEINS see **ENCEPHALITOGENIC BASIC PROTEINS**

MYELIN PROTEINS

ANALYSIS

Comparative studies on myelin proteins in mammalian peripheral nerve. Uyemura K, et al. **Comp Biochem Physiol [C]** 1991;98(1):63–72 (72 ref.)

GENETICS

Implications of double mutant phenotypes. Billings-Gagliardi S, et al. **Ann N Y Acad Sci** 1990;605:215–29 (20 ref.)

Posttranslational degradation of the major myelin glycoprotein by Schwann cells in vivo and in vitro. Brunden KR, et al. **Ann N Y Acad Sci** 1990;605:230–9 (34 ref.)

Posttranscriptional events in the expression of myelin protein genes. Campagnoni AT, et al. **Ann N Y Acad Sci** 1990; 605:270–9 (20 ref.)

Developmental and hormonal regulation of gene expression in oligodendrocytes. de Vellis J. **Ann N Y Acad Sci** 1990; 605:81–9 (26 ref.)

Molecular genetics of X-linked mutants. Hudson LD. **Ann N Y Acad Sci** 1990;605:155–65 (75 ref.)

Organization of myelin protein genes: myelin-associated glycoprotein. Milner RJ, et al. **Ann N Y Acad Sci** 1990; 605:254–61 (32 ref.)

The biochemistry of myelin in X-linked mutants. Quarles RH. **Ann N Y Acad Sci** 1990;605:135–45 (46 ref.)

Phylogeny of myelin proteins. Waehneldt TV. **Ann N Y Acad Sci** 1990;605:15–28 (69 ref.)

Structure and function of myelin protein genes. Mikoshiba K, et al. **Annu Rev Neurosci** 1991;14:201–17 (115 ref.)

IMMUNOLOGY

[A case of chronic demyelinating polyneuropathy with benign IgM anti-myelin-associated glycoprotein paraproteinemia—transient improvement with weekly plasmapheresis] Muramoto T, et al. **Rinsho Shinkeigaku** 1991 Jan;31(1):38–43 (19 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Novel myelin glycoproteins and their possible involvement in demyelination. Glynn P. **Acta Neurol (Napoli)** 1991 Apr; 13(2):140–4 (11 ref.)

Structure and function of the myelin-associated glycoproteins. Salzer JL, et al. **Ann N Y Acad Sci** 1990; 605:302–12 (27 ref.)

Myelin-associated glycoprotein. Location and potential functions. Trapp BD. **Ann N Y Acad Sci** 1990;605:29–43 (35 ref.)

MYELIN SHEATH

Central nervous system myelin: structure, function, and pathology. Deber CM, et al. **Clin Biochem** 1991 Apr; 24(2):113–34 (248 ref.)

CHEMISTRY

Comparative studies on myelin proteins in mammalian peripheral nerve. Uyemura K, et al. **Comp Biochem Physiol [C]** 1991;98(1):63–72 (72 ref.)

ENZYMOLOGY

2',3'-cyclic nucleotide 3'-phosphodiesterase has characteristics of cytoskeletal proteins. A hypothesis for its function. Braun PE, et al. **Ann N Y Acad Sci** 1990; 605:55–65 (30 ref.)

IMMUNOLOGY

Antigenic properties of myelin and the role of myelin in pathology. Introductory remarks. Quagliariello E. **Acta Neurol (Napoli)** 1991 Apr;13(2):85–6 (0 ref.)

METABOLISM

Nerve sheath myxoma. An immunohistochemical study of a case. Nogita T, et al. **Dermatologica** 1990;181(4):317–9 (19 ref.)

[Myelin and the molecular basis of the process of demyelination (review of the literature)] Khokhlov AP, et al. **Zh Nevropatol Psikhiatr** 1990;90(8):104–9 (98 ref.) **(Rus)**

PHYSIOLOGY

Role of myelin basic protein in the formation of central nervous system myelin. Readhead C, et al. **Ann N Y Acad Sci** 1990;605:280–5 (47 ref.)

Myelin-associated glycoprotein. Location and potential functions. Trapp BD. **Ann N Y Acad Sci** 1990;605:29–43 (35 ref.)

Studies of the initiation of myelination by Schwann cells. Wood P, et al. **Ann N Y Acad Sci** 1990;605:1–14 (17 ref.)

The cellular and molecular events of central nervous system remyelination. Dubois-Dalcq M, et al. **Bioessays** 1990 Dec; 12(12):569–76 (52 ref.)

The origin of remyelinating cells in the adult central nervous system: the role of the mature oligodendrocyte. Wood PM, et al. **GLIA** 1991;4(2):225–32 (38 ref.)

[Severe neurologic course of galactosemia. Default of myelisation caused by deficient synthesis of UDP-galactose?] Choulot JJ, et al. **Arch Fr Pediatr** 1991 Apr;48(4):267–9 (7 ref.) (Eng. Abstr.) **(Fre)**

[Myelin and oligodendrocytes: recent data] Lubetzki C, et al. **Rev Neurol (Paris)** 1990;146(11):645–54 (51 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Anatomical and radiological variations of the lumbar dural sac and nerve root sheaths. Maiuri F, et al. **Clin Neurol Neurosurg** 1990;92(3):203–13 (97 ref.)

ULTRASTRUCTURE

Implications of double mutant phenotypes. Billings-Gagliardi S, et al. **Ann N Y Acad Sci** 1990;605:215–29 (20 ref.)

Molecular genetics of X-linked mutants. Hudson LD. **Ann N Y Acad Sci** 1990;605:155–65 (75 ref.)

What have we learned about the jimpy phenotype expression by intracerebral transplantations? Lachapelle F, et al. **Ann N Y Acad Sci** 1990;605:332–45 (43 ref.)

Axolemmal abnormalities in myelin mutants. Rosenbluth J. **Ann N Y Acad Sci** 1990;605:194–214 (61 ref.)

Expression of the jimpy phenotype in relation to proteolipid protein appearance. Skoff RP, et al. **Ann N Y Acad Sci** 1990;605:122–34 (48 ref.)

MYELITIS, TRANSVERSE

ETIOLOGY

[Acute transverse myelitis in systemic lupus erythematosus: successful therapy with cyclophosphamide and prednisone] Misteli M, et al. **Schweiz Med Wochenschr** 1991 Jan 19; 121(3):77–80 (36 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Transverse myelitis associated with mycoplasma pneumoniae: case report. Heller L, et al. **Paraplegia** 1990 Oct;28(8):522–5 (16 ref.)

MYELOBLASTIC LEUKEMIA, ACUTE see **LEUKEMIA, MYELOCYTIC, ACUTE**

MYELOCELE see **MENINGOMYELOCELE**

MYELOCYTIC LEUKEMIA see **LEUKEMIA, MYELOID**

MYELOCYTIC LEUKEMIA, ACUTE see **LEUKEMIA, MYELOCYTIC, ACUTE**

MYELOCYTIC LEUKEMIA, CHRONIC see LEUKEMIA, MYELOID, CHRONIC

MYELODYSPLASIA see NEURAL TUBE DEFECTS

MYELODYSPLASTIC SYNDROMES

Diagnosis, classification, and course of myelodysplastic syndromes. McKenna RW, et al. **Clin Lab Med** 1990 Dec; 10(4):683–706 (93 ref.)

Recent advances in biology and treatment of myelodysplasia. Heyman MR. **Curr Opin Oncol** 1991 Feb;3(1):44–53 (59 ref.)

The myelodysplastic syndromes. Case report and review. Flint SR, et al. **Oral Surg Oral Med Oral Pathol** 1990 Nov; 70(5):579–83 (39 ref.)

[Myelodysplastic syndromes. Hematologic phenotypes, cytogenetic expression and clinical course in 133 cases (1979–1989)] Sánchez Fayos J, et al. **Sangre (Barc)** 1990 Aug;35(4):267–75 (33 ref.) (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Secondary myelodysplastic syndrome complicating therapy for osteogenic sarcoma. Pappo A, et al. **Cancer** 1991 Sep 15;68(6):1373–5 (24 ref.)

COMPLICATIONS

Granulocytic sarcoma in myelodysplastic syndromes: clinical marker of disease acceleration [letter] List AF, et al. **Am J Med** 1991 Feb;90(2):274–6 (19 ref.)

Rheumatic manifestations in myelodysplastic syndromes. Castro M, et al. **J Rheumatol** 1991 May;18(5):721–7 (14 ref.)

HIV-1 infection and hematologic picture. Re MC, et al. **Microbiologica** 1991 Apr;14(2):165–76 (74 ref.)

DIAGNOSIS

[Myelodysplastic syndrome (preleukemia)] Wickramanayake PD, et al. **Med Klin** 1991 Mar 15;86(3):157–64 (92 ref.) **(Ger)**

DRUG THERAPY

Management of patients with myelodysplastic syndromes. Noël P. **Mayo Clin Proc** 1991 May;66(5):485–97 (92 ref.)

EPIDEMIOLOGY

Primary acquired sideroblastic anemia and myelodysplastic syndrome from a geriatric point of view. Hadnagy C. **Z Gerontol** 1991 Mar–Apr;24(2):105–9 (114 ref.)

ETIOLOGY

Myelodysplastic transformation of polycythemia vera: case report and review of the literature. Shamdas GJ, et al. **Am J Hematol** 1991 May;37(1):45–8 (20 ref.)

[Pathogenesis and treatment of myelodysplastic syndromes and hypoplastic anemia] Gavrilov OK, et al. **Klin Med (Mosk)** 1990 Aug;68(8):23–6 (24 ref.) **(Rus)**

GENETICS

Chromosomal abnormalities in myelodysplastic syndromes and acute myeloid leukemia. Machnicki JL, et al. **Clin Lab Med** 1990 Dec;10(4):755–67 (43 ref.)

Oncogenes and growth factor genes in myelodysplasia. Mittelman MM, et al. **Hematol Pathol** 1991;5(1):37–41 (38 ref.)

Oncogene involvement in myelodysplasia and acute myeloid leukemia. Sheridan BL, et al. **Tumour Biol** 1990;11 Suppl 1:44–58 (124 ref.)

[Myelodysplastic syndromes] Meyer S, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1990;127(1):29–33 (19 ref.) **(Fre)**

[Activation of ras oncogene in myelodysplastic syndrome and acute myelogenous leukemia] Hirai H, et al. **Gan To Kagaku Ryoho** 1991 Jun;18(7):1090–7 (13 ref.) (Eng. Abstr.) **(Jpn)**

METABOLISM

Pathobiology of myelodysplastic syndromes. Blazsek I, et al. **Biomed Pharmacother** 1990;44(2):69–83 (120 ref.)

MORTALITY

[The myelodysplastic syndrome] Iványi JL, et al. **Orv Hetil** 1991 Jun 2;132(22):1179–84 (37 ref.) (Eng. Abstr.) **(Hun)**

PATHOLOGY

Leukemic transformation in myelodysplastic syndrome: a review. Yanuck MD, et al. **Ann Clin Lab Sci** 1991 May–Jun; 21(3):171–6 (41 ref.)

Abnormal localization of immature precursors (ALIP) in the bone marrow of myelodysplastic syndromes: current state of knowledge and future directions. Mangi MH, et al. **Leuk Res** 1991;15(7):627–39 (87 ref.)

Stem cell origin of human myeloid blood cell neoplasms. Fialkow PJ. **Verh Dtsch Ges Pathol** 1990;74:43–7 (33 ref.)

[Role of hemopoietic stem cells and progenitor cells in preleukemia] Dörmer P, et al. **Verh Dtsch Ges Pathol** 1990; 74:65–74 (30 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Bone marrow transplantation in hemopoietic malignancies. Messner HA. **Curr Opin Oncol** 1991 Apr;3(2):245–53 (89 ref.)

THERAPY

The role of GM-CSF, G-CSF, interleukin-3, and erythropoietin in myelodysplastic syndromes. Ganser A, et al. **Am J Clin Oncol** 1991;14 Suppl 1:S34–9 (38 ref.)

Treatment of myelodysplastic syndromes. Greenberg PL. **Blood Rev** 1991 Mar;5(1):42–50 (73 ref.)

The use of haemopoietic growth factors in the treatment of myelodysplastic syndromes. Greenberg PL, et al. **Cancer Surv** 1990;9(1):199–212 (34 ref.)

Myelodysplastic syndromes: a review for nurses. Cain J, et al. **Oncol Nurs Forum** 1991 Jan–Feb;18(1):113–7 (39 ref.)

Hemopoietic growth factors in the treatment of acute leukemias and myelodysplastic syndromes. Seipelt G, et al. **Recent Results Cancer Res** 1991;121:141–54 (44 ref.)

[In vitro effects and possible clinical relevance of interleukin 3] Zwierzina H, et al. **Acta Med Austriaca** 1991;18(1):24–7 (26 ref.) (Eng. Abstr.) **(Ger)**

[The therapy of myelodysplastic syndromes] Aul C, et al. **Dtsch Med Wochenschr** 1990 Nov 30;115(48):1842–50 (68 ref.) **(Ger)**

[Therapeutic possibilities in the treatment of the myelodysplasia syndrome] Bozóky G, et al. **Orv Hetil** 1991 May 12;132(19):1011–5 (33 ref.) (Eng. Abstr.) **(Hun)**

[Alpha-interferon and myelodysplastic syndromes] Alessandrino EP, et al. **Haematologica** 1990 Jul–Aug;75 Suppl 4:51–5 (36 ref.) **(Ita)**

[Clinical use of alpha-interferon in onco-hematology: conclusions and prospects] Bernasconi C. **Haematologica** 1990 Jul–Aug;75 Suppl 4:82–4 (0 ref.) **(Ita)**

[Colony stimulating factor (CSF)—various aspects of its therapeutic use] Zduńczyk A. **Pol Arch Med Wewn** 1990 Jul;84(1):44–53 (36 ref.) **(Pol)**

MYELOFIBROSIS

Myelofibrosis: a review of clinical and pathologic features and treatment. Smith RE, et al. **Crit Rev Oncol Hematol** 1990;10(4):305–14 (201 ref.)

ETIOLOGY

Pachydermoperiostosis with myelofibrosis and anemia: report of a case of anemia of multifactorial causes and its improvement with steroid pulse and iron therapy. Tanaka H, et al. **Jpn J Med** 1991 Jan–Feb;30(1):73–80 (12 ref.)

GENETICS

Trisomy 8 and an unbalanced t(5;17)(q11;p11) characterize two karyotypically independent clones in a case of idiopathic myelofibrosis evolving to acute nonlymphoid leukemia. Kerim S, et al. **Cancer Genet Cytogenet** 1991 Mar; 52(1):63–9 (26 ref.)

PATHOLOGY

Acute myelofibrosis—a leukemia of pluripotent stem cell. A report of three cases and review of the literature. Amberger DM, et al. **Ann Clin Lab Sci** 1990 Nov–Dec;20(6):409–14 (18 ref.)

PHYSIOPATHOLOGY

Idiopathic myelofibrosis: a review. Hasselbalch H. **Eur J Haematol** 1990 Aug;45(2):65–72 (96 ref.)

MYELOGENOUS LEUKEMIA see LEUKEMIA, MYELOID

MYELOGENOUS LEUKEMIA, ACUTE see LEUKEMIA, MYELOCYTIC, ACUTE

MYELOGENOUS LEUKEMIA, CHRONIC see LEUKEMIA, MYELOID, CHRONIC

MYELOGENOUS LEUKEMIA, CHRONIC, CHRONIC-PHASE see LEUKEMIA, MYELOID, CHRONIC-PHASE

MYELOGENOUS LEUKEMIA, PH1-NEGATIVE see LEUKEMIA, MYELOID, PHILADELPHIA-NEGATIVE

MYELOGENOUS LEUKEMIA, PH1-POSITIVE see LEUKEMIA, MYELOID, PHILADELPHIA-POSITIVE

MYELOGRAPHY

ADVERSE EFFECTS

Intracerebral hemorrhage after lumbar myelography with iohexol: report of a case and review of the literature. Van de Kelft E, et al. **Neurosurgery** 1991 Apr;28(4):570–4 (38 ref.)

MYELOID DIFFERENTIATION-INDUCING PROTEIN see INTERLEUKIN-6

MYELOID LEUKEMIA see LEUKEMIA, MYELOID

MYELOID LEUKEMIA, ACUTE, M1 see LEUKEMIA, MYELOCYTIC, ACUTE

MYELOID LEUKEMIA, ACUTE, M2 see LEUKEMIA, MYELOCYTIC, ACUTE

MYELOID LEUKEMIA, ACUTE, M3 see LEUKEMIA, PROMYELOCYTIC, ACUTE

MYELOID LEUKEMIA, ACUTE, M5 see LEUKEMIA, MONOCYTIC, ACUTE

MYELOID LEUKEMIA, ACUTE, M6 see LEUKEMIA, ERYTHROBLASTIC, ACUTE

MYELOID LEUKEMIA, ACUTE, M7 see LEUKEMIA, MEGAKARYOCYTIC, ACUTE

MYELOID LEUKEMIA, CHRONIC see LEUKEMIA, MYELOID, CHRONIC

MYELOID LEUKEMIA, CHRONIC, CHRONIC-PHASE see LEUKEMIA, MYELOID, CHRONIC-PHASE

MYELOID LEUKEMIA, CHRONIC, STABLE-PHASE see LEUKEMIA, MYELOID, CHRONIC-PHASE

MYELOID LEUKEMIA, PH1-NEGATIVE see LEUKEMIA, MYELOID, PHILADELPHIA-NEGATIVE

MYELOID LEUKEMIA, PH1-POSITIVE see LEUKEMIA, MYELOID, PHILADELPHIA-POSITIVE

MYELOID LEUKEMIA, PHILADELPHIA-NEGATIVE see LEUKEMIA, MYELOID, PHILADELPHIA-NEGATIVE

MYELOID LEUKEMIA, PHILADELPHIA-POSITIVE see LEUKEMIA, MYELOID, PHILADELPHIA-POSITIVE

MYELOID LEUKEMIA, SCHILLING-TYPE see LEUKEMIA, MONOCYTIC, ACUTE

MYELOID METAPLASIA

Myeloproliferative disorders. Classification and diagnostic features with special emphasis on chronic myelogenous leukemia and agnogenic myeloid metaplasia. Hyun BH, et al. **Clin Lab Med** 1990 Dec;10(4):825–38 (69 ref.)

COMPLICATIONS

Ascites revealing peritoneal and hepatic extramedullary hematopoiesis with peliosis in agnogenic myeloid metaplasia: case report and review of the literature. Lioté F, et al. **Am J Med** 1991 Jan;90(1):111–7 (32 ref.)

MYELOMA, PLASMA CELL see MULTIPLE MYELOMA

MYELOMENINGOCELE see MENINGOMYELOCELE

MYELOMONOCYTIC DIFFERENTIATION ANTIGENS see ANTIGENS, DIFFERENTIATION, MYELOMONOCYTIC

MYELOMONOCYTIC LEUKEMIA, CHRONIC see LEUKEMIA, MYELOMONOCYTIC, CHRONIC

MYELOPEROXIDASE

IMMUNOLOGY

Autoimmunity to lysosomal enzymes: new clues to vasculitis and glomerulonephritis? Kallenberg CG, et al. **Immunol Today** 1991 Feb;12(2):61–4 (42 ref.)

METABOLISM

Astrocytes within the hypothalamic arcuate nucleus contain estrogen-sensitive peroxidase, bind fluorescein-conjugated estradiol, and may mediate synaptic plasticity in the rat. Keefe DL, et al. **Am J Obstet Gynecol** 1991 Apr; 164(4):959–66 (54 ref.)

PHYSIOLOGY

Myeloperoxidase deficiency. Nauseef WM. **Hematol Pathol** 1990;4(4):165–78 (234 ref.)

MYELOPROLIFERATIVE DISORDERS

see related
LEUKEMIA

Myeloproliferative disorders. Classification and diagnostic features with special emphasis on chronic myelogenous leukemia and agnogenic myeloid metaplasia. Hyun BH, et al. **Clin Lab Med** 1990 Dec;10(4):825–38 (69 ref.)

BLOOD

Platelet abnormalities in myeloproliferative disorders. Holme S, et al. **Clin Lab Med** 1990 Dec;10(4):873–88 (124 ref.)

COMPLICATIONS

A case of POEMS syndrome associated with essential thrombocythaemia and dermal mastocytosis. Jackson A, et al. **Postgrad Med J** 1990 Sep;66(779):761–7 (52 ref.)

[Leukocytoclastic vasculitis and malignant hematologic diseases. (12 cases)] Beylot J, et al. **Rev Med Interne** 1989 Nov–Dec;10(6):509–14 (28 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Systems used to study the nature of the leukemic cell and predict treatment outcome in patients with myeloproliferative disorders. Goldberg J. **Clin Lab Med** 1990 Dec;10(4):809–24 (78 ref.)

GENETICS

Reciprocal translocation involving 3q21 in an unusual myeloproliferative disorder with myelodysplastic features and prominent dysmegakaryopoiesis. Cedrone M, et al. **Cancer Genet Cytogenet** 1991 Jan;51(1):73–8 (20 ref.)

The role of ras gene mutations in myeloproliferative disorders. Liu ET. **Clin Lab Med** 1990 Dec;10(4):797–807 (43 ref.)

Karyotypic patterns in chronic myeloproliferative disorders: report on 74 cases and review of the literature. Mertens F, et al. **Leukemia** 1991 Mar;5(3):214–20 (48 ref.)

IMMUNOLOGY

[The bactericidal function of the blood neutrophils in myeloproliferative diseases (a review of the literature)] Guseva SA. **Vrach Delo** 1990 Aug;(8):27–30 (39 ref.) **(Rus)**

PATHOLOGY

Stem cell origin of human myeloid blood cell neoplasms. Fialkow PJ. **Verh Dtsch Ges Pathol** 1990;74:43–7 (33 ref.)

[Clonality and stem cell defects in the molecular pathology of chronic myeloproliferative disorders] Kreipe H, et al. **Verh Dtsch Ges Pathol** 1990;74:49–64 (55 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Cytokines: a new immunotherapy. Cairo MS. **Clin Perinatol** 1991 Jun;18(2):343–59 (94 ref.)

ULTRASONOGRAPHY

Ultrasound and ultrasonically guided biopsy in oncohematology. Buscarini L, et al. **Haematologica** 1991 Jan–Feb;76(1):53–64 (148 ref.)

MYELOSCLEROSIS see **MYELOFIBROSIS**

MYELOSIS, NONLEUKEMIC see **MYELOID METAPLASIA**

MYENTERIC PLEXUS

ANATOMY & HISTOLOGY

[Neuro-vascular relations in the intramural neural plexus of the gastrointestinal tract] Otellin VA, et al. **Arkh Anat Gistol Embriol** 1990 Dec;99(12):61–7 (77 ref.) **(Rus)**

PHYSIOLOGY

On the plasticity of form and structure of enteric ganglia. Gabella G. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S59–66 (11 ref.)

[Neurophysiology of the enteric nervous system] Schemann M. **Z Gastroenterol Verh** 1991 Mar;26:234–5 (5 ref.) **(Ger)**

MYERS–BRIGGS TYPE INDICATOR see **PERSONALITY INVENTORY**

MYIASIS

Forensic toxicology and insects: a minireview. Pahwa R. **Vet Hum Toxicol** 1991 Jun;33(3):272–3 (13 ref.)

[A curiosity in ORL pathology: myiasis of the otorhinolaryngologic cavities] Kadiri F, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991;112(3):219–22 (16 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

[Importation of animal and human tropical myiasis by Cochliomyia hominivorax (Coquerel) in Libya (diptera: Calliphoridae)] Leclercq M. **Rev Med Liege** 1990 Sep; 45(9):452–7 (39 ref.) **(Fre)**

VETERINARY

Prospects for the control of sheep blowfly strike by vaccination. Sandeman RM. **Int J Parasitol** 1990 Jul; 20(4):537–41 (27 ref.)

Infection by the warble fly Przhevalskiana silenus Brauer, 1858, in the Italian goats. An update up to 1988. Tassi P, et al. **Parassitologia** 1989 Aug–Dec;31(2–3):239–50 (55 ref.)

MYO-INOSITOL-1-PHOSPHATE SYNTHASE see **INOSITOL-1-PHOSPHATE SYNTHASE**

MYO-INOSITOL 1,4,5-TRISPHOSPHATE see **INOSITOL 1,4,5-TRISPHOSPHATE**

MYOBLASTOMA

[Abrikossoff's tumor of the hand. Apropos of a case. Review of the literature] Maladry D, et al. **Ann Chir Main Memb Super** 1991;10(2):167–70 (16 ref.) (Eng. Abstr.) **(Fre)**

CHEMISTRY

A light microscopic and immunohistochemical study of a multiple granular cell tumor and review of the literature. Baden E, et al. **J Oral Maxillofac Surg** 1990 Oct; 48(10):1093–9 (90 ref.)

PATHOLOGY

Granular cell tumour (myoblastoma): two cases and a review of the literature. Payne-James JJ, et al. **Br J Clin Pract** 1990 Aug;44(8):334–6 (24 ref.)

Cerebral granular cell tumor occurring with glioblastoma multiforme: case report. Harris CP, et al. **Surg Neurol** 1991 Sep;36(3):202–6 (17 ref.)

[Solitary and multiple granular cell tumors. Case reports and review of the literature] Bergner T, et al. **Hautarzt** 1991 Mar;42(3):162–7 (62 ref.) (Eng. Abstr.) **(Ger)**

MYOCARDIAL CONTRACTION

Myocardial contractile performance during acute coronary occlusion with special emphasis on nonoccluded regions. Hexeberg E, et al. **Acta Physiol Scand Suppl** 1991; 599:99–107 (56 ref.)

To excite a heart: a bird's view. Sommer JR, et al. **Acta Physiol Scand Suppl** 1991;599:5–21 (97 ref.)

Myoplasmic phosphate metabolites in the integration of oxidative phosphorylation and contractile function in the myocardium. Kupriyanov VV, et al. **Biomed Sci** 1990 Feb; 1(2):113–21 (38 ref.)

Evaluation of systolic and diastolic heart function. Kovach JA, et al. **Curr Opin Radiol** 1991 Aug;3(4):539–45 (25 ref.)

Mechanisms of acute ischemic contractile failure of the heart. Role of intracellular calcium. Lee JA, et al. **J Clin Invest** 1991 Aug;88(2):361–7 (62 ref.)

Dynamic cardiomyoplasty: an overview. Chiu RC. **PACE Pacing Clin Electrophysiol** 1991 Apr;14(4 Pt 1):577–84 (30 ref.)

Myocardial plasticity and heart–chamber stability. Regen DM. **Perspect Biol Med** 1991 Winter;34(2):162–80 (30 ref.)

The potential power output for skeletal muscle to provide cardiac assistance. Badylak SF. **Semin Thorac Cardiovasc Surg** 1991 Apr;3(2):116–8 (29 ref.)

[Doppler echocardiographic evaluation of the diastolic function in the left ventricule] Weitzel LH, et al. **Arq Bras Cardiol** 1990 Feb;54(2):147–56 (99 ref.) **(Por)**

DRUG EFFECTS

Cardiac contractility and conduction: a comparison of antihypertensives. Greenberg B. **Am J Kidney Dis** 1990 Oct;16(4 Suppl 1):30–4 (19 ref.)

Pharmacodynamics of parenteral antiarrhythmic agents. Donnelly AJ. **AORN J** 1991 Jul;54(1):121–5, 128–30 (11 ref.)

Phosphodiesterase inhibitors. Its role in heart failure therapy. Kohn IJ, et al. **Arq Bras Cardiol** 1990 Jun;54(6):361–5 (24 ref.)

Vascular activities of the endothelins. Randall MD. **Pharmacol Ther** 1991;50(1):73–93 (148 ref.)

[The role of calcium ions in the contractility of cardiac muscles and possible effects of various substances] Butora G. **Cesk Farm** 1990 Oct;39(8):363–9 (122 ref.) **(Cze)**

[Effects of alpha adrenergic stimulation on the mechanical properties of the myocardium] el Amrani AI, et al. **Arch Mal Coeur** 1990 Oct;83(11):1751–5 (17 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

The cellular basis of contraction and relaxation in cardiac and vascular smooth muscle. Morgan JP, et al. **Am Heart J** 1991 Mar;121(3 (Pt 1)):961–8 (37 ref.)

Does endocardium modulate myocardial contractile performance? Lewis MJ, et al. **Cardioscience** 1990 Jun; 1(2):83–7 (48 ref.)

Regulation and interaction of intracellular calcium, sodium and hydrogen ions in cardiac muscle. MacLeod KT. **Cardioscience** 1991 Jun;2(2):71–85 (109 ref.)

Towards a molecular understanding of contractility. Rüegg JC. **Cardioscience** 1990 Sep;1(3):163–8 (25 ref.)

Ventricular function. Is the total more than the sum of the parts? Brutsaert DL, et al. **Circulation** 1991 Apr; 83(4):1444–9 (59 ref.)

Myocardial stunning and hibernation. The physiology behind the colloquialisms. Marban E. **Circulation** 1991 Feb; 83(2):681–8 (54 ref.)

Echocardiographic Doppler evaluation of left ventricular diastolic function. Physics and physiology. Thomas JD, et al. **Circulation** 1991 Sep;84(3):977–90 (89 ref.)

Systolic time intervals. Boudoulas H. **Eur Heart J** 1990 Dec; 11 Suppl I:93–104 (62 ref.)

Similar myocardial effects of aging and hypertension. Lakatta EG. **Eur Heart J** 1990 Nov;11 Suppl G:29–38 (104 ref.)

Diastolic function in left ventricular hypertrophy: clinical and experimental relationships. Lorell BH, et al. **Eur Heart J** 1990 Nov;11 Suppl G:54–64 (55 ref.)

Potential application of new imaging modalities in the measurement of cardiac volumes and characteristics. MacIntyre WJ. **Eur Heart J** 1990 Dec;11 Suppl I:133–40 (19 ref.)

The Wellcome prize lecture. Intracellular sodium in cardiac muscle: effects on contraction. Eisner DA. **Exp Physiol** 1990 Jul;75(4):437–57 (51 ref.)

Diastolic function in coronary artery disease. Carroll JD, et al. **Herz** 1991 Feb;16(1):1–12 (67 ref.)

Diastolic function in valvular heart disease. Hess OM, et al. **Herz** 1991 Apr;16(2):124–9 (22 ref.) **(Eng, Ger)**

Excitation–contraction coupling in heart failure. Lakatta EG. **Hosp Pract (Off Ed)** 1991 Jul 15;26(7):85–8, 91–8 (7 ref.)

G proteins and calcium channels in myocardium. Fu LX, et al. **Life Sci** 1991;48(24):2291–5 (16 ref.)

Abnormal intracellular modulation of calcium as a major cause of cardiac contractile dysfunction. Morgan JP. **N Engl J Med** 1991 Aug 29;325(9):625–32 (45 ref.)

[The force–interval relationship of the heart] Liu F, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1991 Feb; 19(1):55–8 (19 ref.) **(Chi)**

[Mechanism of abnormal cardiac relaxation and the evaluation of relaxation indices] Liu LJ. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):77–80 (20 ref.) **(Chi)**

[Relaxation and diastolic filling of the left ventricle] Herpin D, et al. **Ann Cardiol Angeiol (Paris)** 1991 Mar;40(3):153–61 (50 ref.) (Eng. Abstr.) **(Fre)**

[Myofibril degeneration of heart muscle: histologic picture and pathophysiologic significance] Pedal I, et al. **Beitr Gerichtl Med** 1990;48:237–44 (17 ref.) (Eng. Abstr.) **(Ger)**

[New aspects of the pathogenesis of heart failure] Erdmann E, et al. **Internist (Berl)** 1990 Oct;31(10):632–40 (75 ref.) **(Ger)**

[Effect of the coronary microvascular system on adenine nucleotide metabolism and subsequent functions of the heart] Nees S, et al. **Internist (Berl)** 1990 Oct;31(10):617–24 (36 ref.) **(Ger)**

[The role of atrial natriuretic factor in the regulation of the activity of the cardiovascular system] Baturova EA, et al. **Kardiologiia** 1991 Jan;31(1):91–3 (55 ref.) **(Rus)**

[The molecular basis of cardiac contractility] Nadal-Ginard B, et al. **Rev Esp Cardiol** 1991 Apr;44(4):217–25 (14 ref.) **(Spa)**

MYOCARDIAL DEPRESSANTS see **ANTI-ARRHYTHMIA AGENTS**

MYOCARDIAL DISEASES

Cardiomyopathy in blacks. Watkins LO, et al. **Cardiovasc Clin** 1991;21(3):279–96 (73 ref.)

Rigid spine syndrome associated with cardiomyopathy: clinical and nosological considerations. Takase Y, et al. **Jpn J Med** 1990 Sep–Oct;29(5):555–9 (19 ref.)

Myocardial calcifications in neonates and infants: a unique tissue reaction. Topaz O. **South Med J** 1991 Jul;84(7):891–5 (55 ref.)

CHEMICALLY INDUCED

A new insight into adriamycin-induced cardiotoxicity. Fu LX, et al. **Int J Cardiol** 1990 Oct;29(1):15–20 (44 ref.)

CLASSIFICATION

[Myocardial lesions (the problems of their classification, diagnosis and treatment)] Moiseev SV. **Ter Arkh** 1990; 62(8):135–40 (64 ref.) **(Rus)**

[Hypertensive cardiopathy: a new physiopathological and clinical classification] Iriarte Ezkurdia M, et al. **Rev Esp Cardiol** 1991 Mar;44(3):141–52 (44 ref.) **(Spa)**

COMPLICATIONS

Cardiac manifestations of acquired immune deficiency syndrome: a 1991 update. Kaul S, et al. **Am Heart J** 1991 Aug;122(2):535–44 (75 ref.)

Diabetic heart muscle disease. Uusitupa MI, et al. **Ann Med** 1990 Dec;22(6):377–86 (128 ref.)

DIAGNOSIS

Myocardial echinococcosis with perforation into the pericardium. Urbanyi B, et al. **J Cardiovasc Surg (Torino)** 1991 Jul–Aug;32(4):534–8 (23 ref.)

[Cardiomyopathy in the peripartum period: current aspects. A multicenter study. 11 cases] Ferrière M, et al. **Arch Mal Coeur** 1990 Sep;83(10):1563–9 (26 ref.) (Eng. Abstr.) **(Fre)**

[Hydatid cyst of the right ventricle] Elias G, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):865–7 (9 ref.) (Eng. Abstr.) **(Fre)**

[Arrhythmogenic right ventricular disease] Wichter T, et al. **Z Kardiol** 1991 Feb;80(2):107–25 (169 ref.) (Eng. Abstr.) **(Ger)**

[Cardiac amyloidosis] Tanaka J, et al. **Nippon Rinsho** 1991 Apr;49(4):841–6 (20 ref.) **(Jpn)**

[Cardiomyopathies and myocarditis (the current problems)] Moiseev VS, et al. **Klin Med (Mosk)** 1990 Oct;68(10):31–6 (54 ref.) **(Rus)**

ETIOLOGY

Diabetic cardiomyopathy. Fein FS. **Diabetes Care** 1990 Nov; 13(11):1169–79 (50 ref.)

Peripartum cardiomyopathy: clinical and therapeutic characteristics. Ventura HO. **J La State Med Soc** 1991 May; 143(5):45–8 (22 ref.)

Catecholamine cardiomyopathy: review and analysis of pathogenetic mechanisms. Jiang JP, et al. **Yale J Biol Med** 1990 Nov–Dec;63(6):581–91 (88 ref.)

[Functional coronary insufficiency in pheochromocytoma. Contribution of isotopic tests. A case report] Stecken F, et al. **Arch Mal Coeur** 1990 Sep;83(10):1607–11 (10 ref.) (Eng. Abstr.) **(Fre)**

[Myocarditis in childhood and adolescence] Mücke D, et al. **Z Arztl Fortbild (Jena)** 1991 Apr 25;85(8):365–72 (11 ref.) **(Ger)**

[Heart damage associated with cerebrovascular accidents] Illyés G, et al. **Orv Hetil** 1991 Apr 30;132(17):911–4, 917 (26 ref.) (Eng. Abstr.) **(Hun)**

[Hemochromatosis of the heart] Scieszka J, et al. **Kardiol Pol** 1990;33(11–2):71–6 (38 ref.) **(Pol)**

[Myocardial hypoxia in newborn infants] Eigenson OB. **Pediatriia** 1990;(8):96–9 (63 ref.) **(Rus)**

METABOLISM

Impaired skin fibroblast carnitine uptake in primary systemic carnitine deficiency manifested by childhood carnitine-responsive cardiomyopathy. Tein I, et al. **Pediatr Res** 1990 Sep;28(3):247–55 (33 ref.)

PATHOLOGY

Toward understanding the pathogenesis of enterovirus-induced cardiomyopathy: molecular and ultrastructural approaches. Hofschneider PH, et al. **J Struct Biol** 1990 Jul–Sep;104(1–3):32–7 (35 ref.)

Myocardial connective tissue alterations. Caulfield JB, et al. **Toxicol Pathol** 1990;18(4 Pt 1):488–96 (36 ref.)

[Cardiac lesions in acquired immunodeficiency syndrome (AIDS). Apropos of an autopsy series of 25 cases] Hofman P, et al. **Ann Pathol** 1990;10(4):247–57 (54 ref.) (Eng. Abstr.) **(Fre)**

[Myofibril degeneration of heart muscle: histologic picture and pathophysiologic significance] Pedal I, et al. **Beitr Gerichtl Med** 1990;48:237–44 (17 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Positron emission tomography as an aid in understanding electrocardiographic changes of ischemia, infarction, and cardiomyopathy. Grover-McKay M. **Ann N Y Acad Sci** 1990;601:77–94 (53 ref.)

Stunned and hibernating myocardium. Kloner RA, et al. **Annu Rev Med** 1991;42:1–8 (29 ref.)

RADIONUCLIDE IMAGING

The clinical role of metabolic imaging of the heart by positron emission tomography. Schwaiger M, et al. **J Nucl Med** 1991 Apr;32(4):565–78 (101 ref.)

SURGERY

[A case of infected left atrial myxoma] Kouzu S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jan;39(1):98–102 (16 ref.) (Eng. Abstr.) **(Jpn)**

MYOCARDIAL DISEASES, PRIMARY see **MYOCARDIAL DISEASES**

MYOCARDIAL DISEASES, SECONDARY see **MYOCARDIAL DISEASES**

MYOCARDIAL INFARCTION

[Significance and management of non-Q wave myocardial infarction] Elian D, et al. **Harefuah** 1991 Mar 15; 120(6):343–6 (37 ref.) **(Heb)**

BLOOD

[Atrial natriuretic peptide and the heart: new perspectives] Gutiérrez Marcos FM, et al. **Rev Clin Esp** 1991 May; 188(8):418–20 (33 ref.) **(Spa)**

CHEMICALLY INDUCED

Oral contraceptives and myocardial infarction. Thorneycroft IH. **Am J Obstet Gynecol** 1990 Oct;163(4 Pt 2):1393–7 (16 ref.)

Cocaine-induced myocardial infarction. A growing threat to men in their 30s. Amin M, et al. **Postgrad Med** 1991 Sep 15;90(4):50–5 (37 ref.)

[Acute myocardial infarct following chemotherapy for testicular carcinoma: on the coronary toxicity of cytostatic agents] Borek G, et al. **Schweiz Med Wochenschr** 1991 Mar 16;121(11):385–9 (28 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Cardiac tamponade due to rupture of a subepicardial aneurysm following myocardial infarction. Imakita M, et al. **Acta Pathol Jpn** 1991 Jan;41(1):52–8 (22 ref.)

Thrombolysis in postinfarction angina. Ouyang P, et al. **Am J Cardiol** 1991 Sep 3;68(7):119B–124B (36 ref.)

Ventricular arrhythmias in ischemic heart disease. Weiss JN, et al. **Ann Intern Med** 1991 May 1;114(9):784–97 (116 ref.)

Cardiac remodeling in hypertension and following myocardial infarction: effects of arteriolar vasodilators. Smits JF, et al. **Basic Res Cardiol** 1991;86 Suppl 1:133–9 (40 ref.)

Pericardial involvement in acute myocardial infarction. Gregoratos G. **Cardiol Clin** 1990 Nov;8(4):601–8 (51 ref.)

Left ventricular dilatation and failure post-myocardial infarction: pathophysiology and possible pharmacologic interventions. Firth BG, et al. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1363–74 (89 ref.)

Arrhythmia prophylaxis after acute myocardial infarction: a decade of controversy. Harrison DC. **Cardiovasc Drugs Ther** 1989 Jan;2(6):783–9 (43 ref.)

Calcium antagonists post-infarction: the significance of experimental studies on potentially lethal early ischemic ventricular arrhythmias [editorial] Opie LH. **Cardiovasc Drugs Ther** 1991 Aug;5(4):671–5 (30 ref.)

Stress testing in the period after infarction. Bolognese L, et al. **Circulation** 1991 May;83(5 Suppl):III32–7 (47 ref.)

Acute myocardial infarction in a patient with Buerger's disease. A case report and a review of the literature. Kim KS, et al. **Korean J Intern Med** 1987 Jul;2(2):278–81 (14 ref.)

Methodological problems of clinical trials in multi-infarct dementia. Loeb C, et al. **Neuroepidemiology** 1990;9(4):223–7 (15 ref.)

Myocardial rupture. Your patient's survival may depend on you. Stout B, et al. **Postgrad Med** 1991 Sep 1;90(3):115–22 (13 ref.)

Arrhythmia suppression in postmyocardial infarction patients with special notation to cardiac arrhythmia suppression trial. Gheorghiade M, et al. **Prog Cardiovasc Dis** 1991 Jan–Feb;33(4):213–8 (31 ref.)

Sudden death in ischemic heart disease. Bayés de Luna A, et al. **Rev Port Cardiol** 1990 May;9(5):473–9 (96 ref.)

Trends in the surgical treatment of ischemic mitral regurgitation: effects of mitral valve repair on hospital mortality. Rankin JS, et al. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):149–63 (61 ref.)

Depression and acute myocardial infarction: a review and reinterpretation. Fielding R. **Soc Sci Med** 1991; 32(9):1017–28 (152 ref.)

[Experimental model of fatal arrhythmia after myocardial infarction] Zhu Y, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1990 Dec; 18(6):377–9 (22 ref.) **(Chi)**

[Expansion and remodelling of the left ventricle after myocardial infarction] Gallet B, et al. **Ann Cardiol Angeiol (Paris)** 1990 Nov;39(9):541–6 (27 ref.) (Eng. Abstr.) **(Fre)**

[Acute respiratory distress syndrome in the initial phase of myocardial infarction in adults] Mansour M, et al. **Arch Mal Coeur** 1990 Dec;83(14):2087–93 (20 ref.) (Eng. Abstr.) **(Fre)**

[Delays in hospital admissions of myocardial infarction] Maroni JP, et al. **Arch Mal Coeur** 1990 Nov;83(12):1823–9 (22 ref.) (Eng. Abstr.) **(Fre)**

[Ventricular "remodeling" after myocardial infarction] Cohen-Solal A, et al. **Arch Mal Coeur Vaiss** 1991 Jun; 84(6):847–53 (60 ref.) (Eng. Abstr.) **(Fre)**

[Late coronary reperfusion. A possible etiology of post-infarction angina] Joly P, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):831–5 (15 ref.) (Eng. Abstr.) **(Fre)**

[Late potentials as risk parameters after heart infarct] Haberl R, et al. **Fortschr Med** 1991 Jan 15;109(1):27–30 (43 ref.) (Eng. Abstr.) **(Ger)**

[The prevention of infarct expansion] Pitscheider W, et al. **G Ital Cardiol** 1991 Jan;21(1):67–73 (52 ref.) **(Ita)**

[Management of complicated myocardial infarction] Knobel E. **Arq Bras Cardiol** 1990 Sep;55(3):155–60 (35 ref.) **(Por)**

[Late arrhythmia in acute myocardial infarction. Detection and prognostic value] Tuna JL, et al. **Rev Port Cardiol** 1991 Mar;10(3):271–80 (18 ref.) **(Por)**

[Surgical treatment of post-infarction ventricular tachycardia--a step forward in the therapy] Van Hemel NM, et al. **Grud Serdechnososudistaia Khir** 1991 Mar; (3):15–8 (22 ref.) (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Silent myocardial ischemia after coronary artery bypass graft surgery. Kennedy HL. **Adv Cardiol** 1990;37:261–9 (22 ref.)

The prognosis of individuals with silent myocardial ischemia. Schlant RC. **Adv Cardiol** 1990;37:187–201 (66 ref.)

Ambulatory monitoring of left ventricular function: a new modality for assessing silent myocardial ischemia. Zaret BL, et al. **Adv Cardiol** 1990;37:105–16 (18 ref.)

Myocardial perfusion scintigraphy as an aid in understanding electrocardiographic changes of ischemia and infarction. Zaret BL, et al. **Ann N Y Acad Sci** 1990;601:107–18 (38 ref.)

Hemodynamic monitoring: a technology assessment. Technology Subcommittee of the Working Group on Critical Care, Ontario Ministry of Health. **Can Med Assoc J** 1991 Jul 15;145(2):114–21 (50 ref.)

Noninvasive imaging in acute coronary disease. A clinical perspective. Gersh BJ. **Circulation** 1991 Sep;84(3 Suppl):I140–7 (82 ref.)

Assessment of the size of acute myocardial infarction. I: Biochemical methods. Bruschke AV, et al. **Cleve Clin J Med** 1990 Sep;57(6):547–50 (22 ref.)

Assessment of the size of acute myocardial infarction. II: Electrocardiography and imaging methods. Bruschke AV, et al. **Cleve Clin J Med** 1990 Sep;57(6):551–7 (73 ref.)

Rapid diagnosis of myocardial infarction and reperfusion by assay of plasma isoforms of creatine kinase isoenzymes. Abendschein DR. **Clin Biochem** 1990 Oct;23(5):399–407 (34 ref.)

Imaging the pathology of myocardial infarction. Muir AL. **Clin Phys Physiol Meas** 1990;11 Suppl A:113–6 (12 ref.)

Sudden cardiac death after myocardial infarction. Fletcher RD. **Drugs** 1991;41 Suppl 2:1–8 (35 ref.)

Infarct sizing by scintigraphic techniques and nuclear magnetic resonance imaging. van der Wall EE, et al. **Eur J Nucl Med** 1990;17(1–2):83–90 (63 ref.)

A case of subarachnoid hemorrhage with electrocardiographic and echocardiographic changes simulating transmural myocardial infarction. Yamaguchi T, et al. **Jpn J Med** 1991 Mar–Apr;30(2):142–5 (14 ref.)

Survival after neonatal myocardial infarction. Boulton J, et al. **Pediatrics** 1991 Jul;88(1):145–50 (23 ref.)

[Pregnancy and myocardial infarct] Katsulov A, et al. **Akush Ginekol (Sofiia)** 1990;29(3):22–5 (5 ref.) (Eng. Abstr.) **(Bul)**

[Long-term prognosis after myocardial infarction. Value of exercise test compared to clinical features and coronarography] Leroy F, et al. **Arch Mal Coeur Vaiss** 1991 Apr;84(4):485–91 (30 ref.) (Eng. Abstr.) **(Fre)**

[Silent myocardial ischemia] von Arnim T. **Internist (Berl)** 1990 Oct;31(10):657–61 (13 ref.) **(Ger)**

[Myocardial infarction in pregnancy] Dürst UN, et al. **Schweiz Med Wochenschr** 1991 Mar 30;121(13):456–62 (76 ref.) (Eng. Abstr.) **(Ger)**

[Isolated right ventricular infarction] Szász K, et al. **Orv Hetil** 1990 Sep 23;131(38):2093–6 (29 ref.) (Eng. Abstr.) **(Hun)**

DRUG THERAPY

New developments in thrombolytic therapy. Collen D, et al. **Adv Exp Med Biol** 1990;281:333–54 (105 ref.)

Clinical trials with alteplase (rt-PA) in acute myocardial infarction. de Bono DP. **Adv Exp Med Biol** 1990;281:377–82 (19 ref.)

Recombinant tissue-type plasminogen activator: current concepts and guidelines for clinical use in acute myocardial infarction. Part II. Becker RC, et al. **Am Heart J** 1991 Feb;121(2 (Pt 1)):627–40 (312 ref.)

Recombinant tissue-type plasminogen activator: current concepts and guidelines for clinical use in acute myocardial infarction. Part I. Becker RC, et al. **Am Heart J** 1991 Jan; 121(1 (Pt 1)):220–44 (127 ref.)

Adjunctive use of beta-adrenergic blockers, calcium antagonists and other therapies in coronary thrombolysis. Becker RC, et al. **Am J Cardiol** 1991 Jan 25;67(3):25A–31A (101 ref.)

Role of new anticoagulants as adjunctive therapy during thrombolysis. Eisenberg PR. **Am J Cardiol** 1991 Jan 25; 67(3):19A–24A (48 ref.)

Reduction of mortality, sudden death and non-fatal reinfarction with beta-adrenergic blockers in survivors of acute myocardial infarction: a new hypothesis regarding the cardioprotective action of beta-adrenergic blockade. Frishman WH, et al. **Am J Cardiol** 1990 Nov 6; 66(16):66G–70G (64 ref.)

Heparin as an adjunctive treatment after thrombolytic therapy for acute myocardial infarction. Prins MH, et al. **Am J Cardiol** 1991 Jan 25;67(3):3A–11A (29 ref.)

Role of new antiplatelet agents as adjunctive therapies in thrombolysis. Willerson JT, et al. **Am J Cardiol** 1991 Jan 25;67(3):12A–18A (20 ref.)

Importance of RAA system and the treatment of patients with ACE inhibition after myocardial infarction. Ray SG, et al. **Angiology** 1991 Apr;42(4):268–72 (29 ref.)

The golden hours of the myocardial infarction: nonthrombolytic interventions. Mitchell JM, et al. **Ann Emerg Med** 1991 May;20(5):540–8 (53 ref.)

Selection of patients with acute myocardial infarction for thrombolytic therapy [see comments] Muller DW, et al. **Ann Intern Med** 1990 Dec 15;113(12):949–60 (107 ref.) Comment in: Ann Intern Med 1990 Dec 15;113(12):907–8. Comment in: Ann Intern Med 1991 Mar 15;114(6):521.

Adjuncts to thrombolysis for myocardial reperfusion. Popma JJ, et al. **Ann Intern Med** 1991 Jul 1;115(1):34–44 (100 ref.)

Streptokinase and recombinant tissue plasminogen activator (rt-PA) are equally effective in treating acute myocardial infarction. Sherry S, et al. **Ann Intern Med** 1991 Mar 1; 114(5):417–23 (92 ref.)

Thrombolytic therapy. Collen D, et al. **Ann N Y Acad Sci** 1991;614:259–69 (55 ref.)

The impact of medical therapy on hemorrhagic complications following coronary artery bypass grafting [see comments] Becker RC, et al. **Arch Intern Med** 1990 Oct; 150(10):2016–21 (66 ref.) Comment in: Arch Intern Med

1991 Jul;151(7):1458, 1462.
Aspirin and thrombolytic therapy in the management of acute myocardial infarction. Hockings B. **Aust Fam Physician** 1990 Jul;19(7):1003, 1006–9 (13 ref.)
Preventive strategies in management of acute myocardial infarction. Carroll G, et al. **Aust N Z J Med** 1990 Aug; 20(4):615–20 (57 ref.)
Late potentials as predictors of risk after thrombolytic treatment? [published erratum appears in Br Heart J 1991 Feb;65(2):113] Breithardt G, et al. **Br Heart J** 1990 Sep; 64(3):174–6 (33 ref.)
Possible pharmacological actions of magnesium in acute myocardial infarction. Woods KL. **Br J Clin Pharmacol** 1991 Jul;32(1):3–10 (82 ref.)
Methylprednisolone interventions in myocardial infarction: a controversial subject. LeGal YM, et al. **Can J Cardiol** 1990 Nov;6(9):405–10 (68 ref.)
Calcium antagonists and myocardial infarction. Hansen JF. **Cardiovasc Drugs Ther** 1991 Aug;5(4):665–70 (17 ref.)
According to MIAMI and ISIS–I trials, can a general recommendation be given for beta blockers in acute myocardial infarction? Kjekshus JK. **Cardiovasc Drugs Ther** 1988 May;2(1):113–9 (37 ref.)
What is established in thrombolytic therapy of acute myocardial infarction? Pharmacological approaches. Kübler W, et al. **Cardiovasc Drugs Ther** 1988 May; 2(1):121–5 (17 ref.)
The role of beta–receptor and calcium–entry–blocking agents in acute myocardial infarction in the thrombolytic era: can the results of thrombolytic reperfusion be enhanced? [editorial] Lavie CJ, et al. **Cardiovasc Drugs Ther** 1988 Dec; 2(5):601–7 (36 ref.)
Role of platelet inhibitor therapy in myocardial infarction. Stein B, et al. **Cardiovasc Drugs Ther** 1989 Dec;3(6):797–813 (113 ref.)
Bolus, front–loaded, and accelerated thrombolytic infusions for myocardial infarction and pulmonary embolism. Levine MN. **Chest** 1991 Apr;99(4 Suppl):128S–134S (42 ref.)
Thrombolysis in acute myocardial infarction. Tognoni G, et al. **Chest** 1991 Apr;99(4 Suppl):121S–127S (63 ref.)
Left ventricular ejection fraction may not be useful as an end point of thrombolytic therapy comparative trials. Califf RM, et al. **Circulation** 1990 Nov;82(5):1847–53 (47 ref.)
Management of the patient following coronary thrombolysis. Massel D, et al. **Clin Cardiol** 1990 Sep;13(9):591–609 (254 ref.)
Update: current role of thrombolytic therapy. Anderson JL. **Compr Ther** 1991 May;17(5):51–8 (27 ref.)
Update: drug therapy for acute myocardial infarction. Brown JF, et al. **Compr Ther** 1991 May;17(5):45–50 (15 ref.)
The controversy of heparin therapy as an adjunct to thrombolysis in acute myocardial infarction. Chow MS, et al. **DICP** 1991 Jun;25(6):613–6 (34 ref.)
Thrombolysis: adjuvant therapy and the role of complement. Fox KA. **Eur Heart J** 1990 Aug;11 Suppl F:36–42 (25 ref.)
The role of intervention following thrombolysis for acute myocardial infarction. Hillis WS. **Eur Heart J** 1990 Aug; 11 Suppl F:56–60 (18 ref.)
Blood viscosity and platelet function in thrombolytic therapy of acute myocardial infarction. Hoffmann JJ. **Eur Heart J** 1990 Aug;11 Suppl F:29–35 (51 ref.)
Clinical management of patients receiving thrombolytic therapy. Daily EK. **Heart Lung** 1991 Sep;20(5 Pt 2):552–65 (67 ref.)
Limitations of thrombolytic therapy for acute myocardial infarction complicated by congestive heart failure and cardiogenic shock. Bates ER, et al. **J Am Coll Cardiol** 1991 Oct;18(4):1077–84 (93 ref.)
Management of non–Q–wave myocardial infarction: role of diltiazem versus beta–blocker therapy. Boden WE. **J Cardiovasc Pharmacol** 1990;16 Suppl 6:S55–60 (35 ref.)
Secondary prevention after myocardial infarction: in favor of beta–blockers. Lévy S. **J Cardiovasc Pharmacol** 1990;16 Suppl 6:S50–4 (22 ref.)
Calcium antagonists in myocardial infarction. Zannad F, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 1:S16–9 (27 ref.)
Coronary thrombolysis for the elderly? Gurwitz JH, et al. **JAMA** 1991 Apr 3;265(13):1720–3 (45 ref.)
Treatment of patients with acute myocardial infarction with intravenous magnesium. Abraham AS. **Magnes Trace Elem** 1990;9(4):177–85 (53 ref.)
Thrombolytic therapy for acute myocardial infarction in the 1990s. Effron MB, et al. **Md Med J** 1991 Jun;40(6):485–91 (42 ref.)
Thrombolytic therapy in acute MI. Weighing the risks and benefits. Ro KG, et al. **Postgrad Med** 1990 Dec;88(8):79–80, 83–6, 89–90 passim (28 ref.)
Calcium–channel blockers in postmyocardial infarction patients with special notation to the Danish verapamil infarction trial II. Gheorghiade M, et al. **Prog Cardiovasc Dis** 1991 Jul–Aug;34(1):37–43 (34 ref.)
A review of secondary coronary prevention with dipyridamole and aspirin. Prentice CR. **Thromb Res Suppl** 1990;12:43–9 (11 ref.)
Pathophysiological role of thromboxane A2 and pharmacological approaches to its inhibition. Patscheke H, et al. **Z Kardiol** 1990;79 Suppl 3:151–4 (17 ref.)
[The use of beta–blockers in acute myocardial infarct] Petrov K. **Vutr Boles** 1990;29(3):20–6 (32 ref.) **(Bul)**
[Preclinical lysis in acute myocardial infarct. A determination of its place] Trenkwalder P, et al. **Dtsch Med Wochenschr** 1991 Jun 21;116(25):992–5 (24 ref.) **(Ger)**
[Regulation of beta receptors—practical consequences for therapy] Reithmann C, et al. **Internist (Berl)** 1990 Oct; 31(10):625–31 (17 ref.) **(Ger)**
[Possibilities of ACE inhibitor therapy in acute myocardial ischemia] Ertl G, et al. **Klin Wochenschr** 1991;69 Suppl 24:10–7; discussion 18–9 (46 ref.) (Eng. Abstr.) **(Ger)**
[Thrombolysis in acute myocardial infarct. An established therapy with open questions] Baumann PC. **Schweiz Med Wochenschr** 1991 Apr 6;121(14):493–500 (52 ref.) (Eng. Abstr.) **(Ger)**
[Basic program of myocardial infarct after–care] Holtz H. **Z Gesamte Inn Med** 1990 Sep 15;45(18):547–9 (17 ref.) (Eng. Abstr.) **(Ger)**
[Anti–angina therapy of coronary heart disease. Mono– or combination treatment] Kurz T, et al. **Z Kardiol** 1991 May; 80(5):305–16 (98 ref.) (Eng. Abstr.) **(Ger)**
[Thrombolytics in acute myocardial infarct: which ones, for whom, when?] Chiariello M, et al. **Cardiologia** 1990 Jul; 35(7):533–42 (81 ref.) **(Ita)**
[Systemic thrombolysis in acute myocardial infarct. The physiopathological bases, current status, problems and prospects] Davi R. **Clin Ter** 1990 Dec 31;135(6):417–64 (250 ref.) (Eng. Abstr.) **(Ita)**
[Drug therapy of acute coronary syndrome. Summary of a hearing arranged by the Norwegian Cardiologic Society and the Institute of pharmacotherapy] Aursnes I, et al. **Tidsskr Nor Laegeforen** 1990 Sep 10;110(21):2788–90 (2 ref.) (Eng. Abstr.) **(Nor)**
[Angiotensin I converting enzyme inhibitors in ischemic cardiopathy] Ribeiro C. **Rev Port Cardiol** 1991 Apr; 10(4):345–53 (78 ref.) **(Por)**
[Status of the coronary arteries after thrombolytic therapy of myocardial infarction] Savchenko AP. **Klin Med (Mosk)** 1991 Jan;69(1):13–6 (40 ref.) **(Rus)**
[Reocclusion following thrombolytic treatment in acute myocardial infarct] Modin G, et al. **Nord Med** 1991; 106(1):4–7 (15 ref.) (Eng. Abstr.) **(Swe)**

ENZYMOLOGY

[Serum elastinolytic activity and blood lipids in various clinical forms of arteriosclerosis and in acute myocardial infarct] Landi A, et al. **Orv Hetil** 1991 May 19; 132(20):1075–9 (55 ref.) (Eng. Abstr.) **(Hun)**

EPIDEMIOLOGY

A critical review of the relationship between impaired fibrinolysis and myocardial infarction. Prins MH, et al. **Am Heart J** 1991 Aug;122(2):545–51 (40 ref.)
Myocardial infarction during pregnancy: a case report. Frenkel Y, et al. **Cardiology** 1991;78(4):363–8 (25 ref.)
The role of cold in ischaemic heart disease: a review. Lloyd EL. **Public Health** 1991 May;105(3):205–15 (106 ref.)

ETIOLOGY

Discordant nephron function. A pathogenic factor in hypertension and its vascular complications of stroke and heart attack. Laragh JH. **Am J Hypertens** 1991 Jan;4(1 Pt 2):2S–6S (29 ref.)
Bacterial endocarditis presenting as acute myocardial infarction: a cautionary note for the era of reperfusion. Herzog CA, et al. **Am J Med** 1991 Mar;90(3):392–7 (39 ref.)
Annular subaortic aneurysm resulting in sudden death. Normann SJ. **Clin Cardiol** 1991 Jan;14(1):68–72 (15 ref.)
Left atrial myxoma presenting as acute myocardial infarction. Namura M, et al. **Jpn J Med** 1990 Sep–Oct;29(5):537–41 (23 ref.)
Angina and myocardial infarction with normal coronary arteries [comment] Bourke ME, et al. **Postgrad Med J** 1991 Jan;67(783):4–8 (45 ref.) Comment on: Postgrad Med J 1991 Jan;67(783):78–80.
Perioperative myocardial infarction. Tuman KJ. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):47–52 (39 ref.)
[Myocardial infarction caused by closed thoracic injury: pathogenic and angiocoronarographic aspects. Apropos of 4 cases and review of the literature] Marek A, et al. **Ann Cardiol Angeiol (Paris)** 1991 Mar;40(3):111–21 (55 ref.) (Eng. Abstr.) **(Fre)**
[Myocardial infarction in systemic lupus erythematosus. 7 cases in 6 patients] Lanore JJ, et al. **Ann Med Interne (Paris)** 1990;141(6):519–25 (57 ref.) (Eng. Abstr.) **(Fre)**
[Myocardial bridge of the left anterior descending coronary artery and myocardial infarction: does coronary spasm play a part?] Gallet B, et al. **Arch Mal Coeur Vaiss** 1991 Apr; 84(4):517–23 (27 ref.) (Eng. Abstr.) **(Fre)**
[Perioperative myocardial infarct] Gesztesi T, et al. **Orv Hetil** 1991 Jan 20;132(3):123–8 (43 ref.) (Eng. Abstr.) **(Hun)**
[Cardiovascular complications induced by cocaine abuse] de Oliveira Júnior W, et al. **Arq Bras Cardiol** 1990 Aug; 55(2):129–31 (20 ref.) **(Por)**
[Perioperative myocardial infarct in association with surgical treatment of coronary heart disease] Hricák V, et al. **Bratisl Lek Listy** 1990 Sep;91(9):679–88 (85 ref.) (Eng. Abstr.) **(Slo)**

GENETICS

[Correlation between juvenile myocardial infarct in parents and plasma fibrinogen levels in their offspring] Mihai K, et al. **Orv Hetil** 1991 Aug 25;132(34):1861–3 (22 ref.) (Eng. Abstr.) **(Hun)**

MORTALITY

Sudden death after acute myocardial infarction: the forgotten thrombotic view [editorial] Verheugt FW, et al. **Am J Cardiol** 1991 May 15;67(13):1130–4 (28 ref.)
[Prognostic indicators in patients with a history of myocardial infarction] Halawa B, et al. **Pol Tyg Lek** 1990 Jun 4–11; 45(23–24):479–83 (31 ref.) **(Pol)**
[Current causes of mortality in acute myocardial infarction] Hurtado Buen Abad L, et al. **Arch Inst Cardiol Mex** 1991 Mar–Apr;61(2):163–72 (94 ref.) (Eng. Abstr.) **(Spa)**

NURSING

Right ventricular infarction. The critically different MI. Finesilver C, et al. **Am J Nurs** 1991 Apr;91(4):32–6 (14 ref.)

PATHOLOGY

Risk factor intervention and prognosis after acute myocardial infarction. Lamm G. **Cardiovasc Drugs Ther** 1988 May; 2(1):133–7 (11 ref.)
[Remodeling of myocardial interstitium in left ventricular hypertrophy and myocardial infarction] Jalil Milad JE. **Rev Esp Cardiol** 1990 Nov;43(9):635–9 (52 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Myocardial effects of brief periods of ischemia followed by reperfusion. Jennings RB, et al. **Adv Cardiol** 1990;37:7–31 (44 ref.)
Ischemic preconditioning and myocardial stunning: related consequences of brief coronary occlusion and reperfusion? Schott RJ, et al. **Adv Cardiol** 1990;37:32–41 (53 ref.)
Coronary thrombosis: pathogenesis and prevention. Born GV. **Adv Exp Med Biol** 1990;281:355–9 (26 ref.)
Left ventricular remodeling after acute myocardial infarction: clinical course and beneficial effects of angiotensin–converting enzyme inhibition. Lamas GA, et al. **Am Heart J** 1991 Apr;121(4 (Pt 1)):1194–202 (53 ref.)
Importance of RAA system and the treatment of patients with ACE inhibition after myocardial infarction. Ray SG, et al. **Angiology** 1991 Apr;42(4):268–72 (29 ref.)
Heart rate and beta–adrenergic mechanisms in acute myocardial infarction. Hjalmarson A. **Basic Res Cardiol** 1990;85 Suppl 1:325–33 (52 ref.)
Diastolic function in coronary artery disease. Carroll JD, et al. **Herz** 1991 Feb;16(1):1–12 (67 ref.)
Non–infarct Q wave. Turakhia DP. **J Assoc Physicians India** 1990 Nov;38(11):850–2 (12 ref.)
[Effects of fibrinolysis on late potentials in myocardial infarction] de Chillou C, et al. **Ann Cardiol Angeiol (Paris)** 1991 Feb;40(2):75–9 (44 ref.) (Eng. Abstr.) **(Fre)**
[Physiopathological basis of protection of the ischemic myocardium] Lerch R, et al. **Schweiz Med Wochenschr** 1990 Oct 20;120(42):1523–30 (57 ref.) (Eng. Abstr.) **(Fre)**
[The current status of experimental heart infarct research] Schaper W. **Z Kardiol** 1990 Dec;79(12):811–8 (34 ref.) **(Ger)**
[Coronary revascularization in post–infarction patients] Tarr F, et al. **Orv Hetil** 1991 Jan 13;132(2):59–62 (27 ref.) (Eng. Abstr.) **(Hun)**
[Early exercise tests after myocardial infarction] Bednarz B. **Kardiol Pol** 1990;33(8):36–40 (32 ref.) **(Pol)**
[Value of the ergometric test after myocardial infarction] Carvalho M, et al. **Rev Port Cardiol** 1990 Sep;9(9):729–44 (130 ref.) (Eng. Abstr.) **(Por)**
[Risk stratification in myocardial infarction. The total ischemic load evaluated with Holter electrocardiography. Its prognostic value] Correia MJ, et al. **Rev Port Cardiol** 1990 Dec;9(12):995–9 (12 ref.) **(Por)**
[Stratification of the risk after myocardial infarction. Bidimensional echocardiography in the assessment of left ventricular dysfunction in acute myocardial infarction] Pais F. **Rev Port Cardiol** 1991 Jan;10(1):59–64 (20 ref.) **(Por)**
[Late potentials in patients during the hospitalization period following acute myocardial infarction] Sanjuán Máñez R, et al. **Rev Esp Cardiol** 1990 Aug–Sep;43(7):444–9 (23 ref.) (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Silent myocardial ischemia in asymptomatic patients: should we screen? Should we treat? Cohn PF. **Adv Cardiol** 1990; 37:304–11 (20 ref.)
Secondary prevention of acute myocardial infarction with beta–blocking agents and calcium antagonists. Hampton JR. **Am J Cardiol** 1990 Sep 25;66(9):3C–8C (16 ref.)
Advantages of beta blockers versus antiarrhythmic agents and calcium antagonists in secondary prevention after myocardial infarction. Singh BN. **Am J Cardiol** 1990 Sep 25;66(9):9C–20C (100 ref.)
Secondary prevention after myocardial infarction: effects of beta blocking agents and calcium antagonists. Depelchin P, et al. **Cardiovasc Drugs Ther** 1988 May;2(1):139–48 (45 ref.)
Heparin and secondary prevention of acute myocardial

infarction. Lotto A, et al. **Haemostasis** 1990;20 Suppl 1:132–41 (47 ref.)
On lowering lipids in the post-infarction patient. Lewis B. **J Intern Med** 1991 Jun;229(6):483–8 (40 ref.)
The value of lowering cholesterol after myocardial infarction [see comments] Rossouw JE, et al. **N Engl J Med** 1990 Oct 18;323(16):1112–9 (64 ref.) Comment in: N Engl J Med 1991 Mar 28;324(13):922–3.
Review: fish oil and cardiac function. Nestel PJ. **World Rev Nutr Diet** 1991;66:268–77 (32 ref.)
[Secondary prevention after myocardial infarct] Trenkwalder P, et al. **Dtsch Med Wochenschr** 1990 Oct 5;115(40):1519–27 (76 ref.) **(Ger)**
[Prevention of obliterating arterial diseases with acetylsalicylic acid] Berge PG, et al. **Med Klin** 1990 Aug 15;85(8):493–8 (47 ref.) **(Ger)**
[Omega-3-fatty acids: their value in nutrition and prevention] Brenner D, et al. **Ther Umsch** 1990 Sep;47(9):724–32 (60 ref.) (Eng. Abstr.) **(Ger)**
[Prevention of myocardial infarction by reducing serum cholesterol levels. High-risk strategies should be limited] Jacobsen BK. **Tidsskr Nor Laegeforen** 1991 Jun 30; 111(17):2159–61 (22 ref.) (Eng. Abstr.) **(Nor)**
[Platelet aggregation, coronary insufficiency and aspirin] Nicolau JC, et al. **Arq Bras Cardiol** 1990 Mar;54(3):223–6 (35 ref.) **(Por)**

PSYCHOLOGY

Family protective thinking about cardiac events: nursing interventions to promote maintenance of family health behaviors. Wastlick LA, et al. **Wis Med J** 1991 Jul; 90(7):438–40 (11 ref.)
Music therapy: a means of reducing anxiety in the myocardial infarction patient. White J, et al. **Wis Med J** 1991 Jul; 90(7):434–7 (42 ref.)

RADIOGRAPHY

Coronary angiography after thrombolytic therapy for acute myocardial infarction. Topol EJ, et al. **Ann Intern Med** 1991 May 15;114(10):877–85 (82 ref.)
Indications, timing, and optimal technique for diagnostic angiography and angioplasty in acute myocardial infarction. Bittl JA. **Chest** 1991 Apr;99(4 Suppl):150S–156S (37 ref.)

RADIONUCLIDE IMAGING

Radionuclide assessment of infarct size and left ventricular function in clinical trials of thrombolysis. Cerqueira MD, et al. **Circulation** 1991 Sep;84(3 Suppl):I100–8 (42 ref.)
[Stratification of the risk after acute myocardial infarct. Dysfunction of the left ventricle after acute myocardial infarction. Value of radionuclide angiography] de Sá ME, et al. **Rev Port Cardiol** 1991 Feb;10(2):173–7 (18 ref.) **(Por)**

REHABILITATION

[Normalization of ECG after right ventricular infarct] Szász K. **Orv Hetil** 1990 Oct 7;131(40):2195–7 (24 ref.) (Eng. Abstr.) **(Hun)**

SURGERY

Coronary risk factors and the postbypass patient. Campeau L. **Cardiovasc Clin** 1991;21(2):123–33 (57 ref.)
[Reconstruction of the left ventricle by circular endoventriculoplasty with septal exclusion] Dor V, et al. **Arch Mal Coeur** 1990 Oct;83(11):1687–94 (12 ref.) (Eng. Abstr.) **(Fre)**
[Surgical myocardial revascularization: indications, perioperative risk constellation and prognosis] Korb H, et al. **Versicherungsmedizin** 1991 Jun 1;43(3):79–83 (13 ref.) (Eng. Abstr.) **(Ger)**
[A case of extended myocardial infarction treated with the left ventricular assist device (LVAD) before and after the operation--the value and limitation of LVAD] Akamatsu H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Oct; 38(10):2122–7 (18 ref.) (Eng. Abstr.) **(Jpn)**
[Time factor in surgical treatment of acute myocardial infarction] Astaf'ev VI, et al. **Grud Serdechnososudistaia Khir** 1990;(6):59–61 (54 ref.) **(Rus)**

THERAPY

Management strategies for high-risk patients with silent myocardial ischemia. Gottlieb SO. **Adv Cardiol** 1990; 37:320–7 (20 ref.)
Mechanisms of silent myocardial ischemia: implications for selection of optimal therapy. Stone PH. **Adv Cardiol** 1990; 37:328–48 (63 ref.)
Significance and management of silent myocardial ischemia. Tzivoni D, et al. **Adv Cardiol** 1990;37:312–9 (25 ref.)
New horizons in the treatment of coronary artery thrombosis. Runge MS. **Am J Med Sci** 1991 Jan;301(1):21–7 (52 ref.)
Report of the Canadian Cardiovascular Society's consensus conference on the Management of the Postmyocardial Infarction Patient. Fallen EL, et al. **Can Med Assoc J** 1991 Apr 15;144(8):1015–25 (65 ref.)
Medical management of coronary heart disease in blacks. Haywood LJ, et al. **Cardiovasc Clin** 1991;21(3):241–7 (20 ref.)
The role of diet and drugs in lowering serum cholesterol in the postmyocardial infarction patient. Schettler G. **Cardiovasc Drugs Ther** 1989 Jan;2(6):795–9 (21 ref.)
Indications, timing, and optimal technique for diagnostic angiography and angioplasty in acute myocardial infarction. Bittl JA. **Chest** 1991 Apr;99(4 Suppl):150S–156S (37 ref.)
Treatment-seeking behavior among those with signs and symptoms of acute myocardial infarction. Dracup K, et al. **Heart Lung** 1991 Sep;20(5 Pt 2):570–5 (31 ref.)
Clinical controversies surrounding thrombolytic therapy in acute myocardial infarction. Kline EM. **Heart Lung** 1990 Nov;19(6):596–601 (35 ref.)
Role of angioplasty in myocardial infarction management strategies: a review. Ross AM. **Heart Lung** 1990 Nov; 19(6):604–7 (11 ref.)
Pivotal role of early and sustained infarct vessel patency in patients with acute myocardial infarction. Topol EJ, et al. **Heart Lung** 1990 Nov;19(6):583–93 (84 ref.)
Congestive heart failure. New frontiers. Parmley WW, et al. **West J Med** 1991 Apr;154(4):427–41 (132 ref.)
[The current treatment of left-sided heart failure in acute myocardial infarct] Khadzhipetrov N, et al. **Vutr Boles** 1990;29(2):17–23 (0 ref.) **(Bul)**
[Acute myocardial infarction: immediate coronary angioplasty for failure or contra-indications of thrombolytic therapy. Apropos of a series of 100 cases] Mossard JM, et al. **Arch Mal Coeur Vaiss** 1991 Apr; 84(4):469–75 (30 ref.) (Eng. Abstr.) **(Fre)**
[The treatment of ischemia in acute myocardial infarction] Kiowski W. **Schweiz Med Wochenschr** 1990 Oct 20; 120(42):1531–8 (33 ref.) (Eng. Abstr.) **(Ger)**
[rt-PA versus streptokinase--Has the controversy regarding the optimal thrombolytic agent been resolved by results of the GISSI II/International rt-PA vs. Streptokinase fatality Study?] Gulba DC, et al. **Z Kardiol** 1991 Jan; 80(1):1–5 (35 ref.) **(Ger)**
[Strategies of reperfusion in developing infarct] Zago AJ, et al. **Arq Bras Cardiol** 1990 Nov;55(5):329–38 (41 ref.) **(Por)**
[Plasminogen activators as thrombolytic agents in myocardial infarction] Chamone DA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1989 Nov-Dec; 44(6):288–94 (40 ref.) (Eng. Abstr.) **(Por)**
[Thrombolysis and transluminal coronary angioplasty in acute myocardial infarction. Report of the Ischemic Cardiopathy Section of the Spanish Society of Cardiology] **Rev Esp Cardiol** 1990 Oct;43(8):519–26 (0 ref.) **(Spa)**
[Coronary angioplasty in acute coronary syndrome] Martínez Elbal L, et al. **Rev Port Cardiol** 1990 May;9(5):463–70 (34 ref.) (Eng. Abstr.) **(Spa)**

ULTRASONOGRAPHY

Role of echocardiography in acute myocardial infarction. Feigenbaum H. **Am J Cardiol** 1990 Nov 20;66(18):17H–22H (25 ref.)

MYOCARDIAL MITOCHONDRIA see **MITOCHONDRIA, HEART**

MYOCARDIAL PREINFARCTION SYNDROME see **ANGINA, UNSTABLE**

MYOCARDIAL REPERFUSION

Myocardial reperfusion and reperfusion injury: current views. Yellon DM. **Bratisl Lek Listy** 1991 Feb;92(2):66–76 (88 ref.)
Current research views on myocardial reperfusion and reperfusion injury. Yellon DM, et al. **Cardioscience** 1990 Jun;1(2):89–98 (88 ref.)
Rapid diagnosis of myocardial infarction and reperfusion by assay of plasma isoforms of creatine kinase isoenzymes. Abendschein DR. **Clin Biochem** 1990 Oct;23(5):399–407 (34 ref.)
Perfusion for pediatric open heart surgery. Elliott MJ. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):332–40 (33 ref.)

INSTRUMENTATION

Perfusion with heparin-coated equipment: potential for clinical use. von Segesser LK, et al. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):373–80 (28 ref.)

METHODS

Coronary sinus interventions: state of the art and initial clinical experience with retroperfusion support during angioplasty [editorial] Haendchen RV, et al. **Arq Bras Cardiol** 1990 May;54(5):293–305 (97 ref.)
[Value of the association of blood cardioplegia and energetic warm reperfusion in cardiac transplantation] Pavie A, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):795–800 (19 ref.) (Eng. Abstr.) **(Fre)**
[Myocardial retroperfusion: the idea, the experimentation, the clinical perspectives] Volpini M, et al. **Cardiologia** 1990 Nov;35(11):883–92 (66 ref.) **(Ita)**

MYOCARDIAL REPERFUSION INJURY

Myocardial reperfusion and reperfusion injury: current views. Yellon DM. **Bratisl Lek Listy** 1991 Feb;92(2):66–76 (88 ref.)
Current research views on myocardial reperfusion and reperfusion injury. Yellon DM, et al. **Cardioscience** 1990 Jun;1(2):89–98 (88 ref.)

COMPLICATIONS

Diltiazem in ischemia-induced and reperfusion arrhythmias. Burckhardt D. **J Cardiovasc Pharmacol** 1990;16 Suppl 6:S36–9 (24 ref.)

DRUG THERAPY

Allopurinol in ischemia--reperfusion injury of heart. Emerit I, et al. **Adv Exp Med Biol** 1990;264:367–72 (37 ref.)
Cardioprotective effects of amlodipine on ischemia and reperfusion in two experimental models. Hoff PT, et al. **Am J Cardiol** 1990 Nov 20;66(18):10H–16H (50 ref.)

ETIOLOGY

Role of oxygen free radicals in ischemic and reperfused myocardium. Ferrari R, et al. **Am J Clin Nutr** 1991 Jan; 53(1 Suppl):215S–222S (121 ref.)
Reperfusion arrhythmias after thrombolysis. Electrophysiologic tempest, or much ado about nothing. Krumholz HM, et al. **Chest** 1991 Apr;99(4 Suppl):135S–140S (51 ref.)
Myocardial reperfusion injury: an assessment by the spasm of resistance vessel concept of ischemic heart disease. Hellstrom HR. **Med Hypotheses** 1990 Oct;33(2):117–24 (62 ref.)
Evaluation of free radical injury in myocardium. Reimer KA, et al. **Toxicol Pathol** 1990;18(4 Pt 1):470–80 (89 ref.)

METABOLISM

Free radicals, myocytes and reperfusion injury. Turner JJ, et al. **Biochem Soc Trans** 1990 Dec;18(6):1056–9 (41 ref.)
The role of free radicals in ischaemic myocardium. Ferrari R. **Br J Clin Pract** 1990 Aug;44(8):301–5 (59 ref.)
The role of free radicals in the ischemic myocardium. Ferrari R. **Bratisl Lek Listy** 1991 Feb;92(2):108–12 (58 ref.)
The occurrence of oxidative stress during reperfusion in experimental animals and men. Ferrari R, et al. **Cardiovasc Drugs Ther** 1991 Mar;5 Suppl 2:277–87 (71 ref.)
Reperfusion-induced injury: a possible role for oxidant stress and its manipulation. Hearse DJ. **Cardiovasc Drugs Ther** 1991 Mar;5 Suppl 2:225–35 (104 ref.)

PHYSIOPATHOLOGY

Myocardial effects of brief periods of ischemia followed by reperfusion. Jennings RB, et al. **Adv Cardiol** 1990;37:7–31 (44 ref.)
Ischemic preconditioning and myocardial stunning: related consequences of brief coronary occlusion and reperfusion? Schott RJ, et al. **Adv Cardiol** 1990;37:32–41 (53 ref.)
Can free radicals explain reperfusion damage? [editorial] Ambrosio G, et al. **Cardiovasc Drugs Ther** 1988 Dec; 2(5):609–14 (32 ref.)
Oxygen-derived free radicals and myocardial reperfusion injury: an overview. Bolli R. **Cardiovasc Drugs Ther** 1991 Mar;5 Suppl 2:249–68 (157 ref.)
Ischemia, reperfusion, and the determinants of tissue injury. Hearse DJ. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 4:767–76 (61 ref.)
Role of calcium ions in reperfusion arrhythmias: relevance to pharmacologic intervention. Opie LH, et al. **Cardiovasc Drugs Ther** 1988 Dec;2(5):623–36 (78 ref.)
Role of calcium and other ions in reperfusion injury. Opie LH. **Cardiovasc Drugs Ther** 1991 Mar;5 Suppl 2:237–47 (70 ref.)
Myocardial ischemia and reperfusion: the role of oxygen radicals in tissue injury. Werns SW, et al. **Cardiovasc Drugs Ther** 1989 Jan;2(6):761–9 (77 ref.)
Shock- and ischemia-induced mechanisms of impairment of endothelium-mediated vasodilation. Lefer AM, et al. **Chest** 1991 Sep;100(3 Suppl):160S–163S (20 ref.)
Myocardial stunning and hibernation. The physiology behind the colloquialisms. Marban E. **Circulation** 1991 Feb; 83(2):681–8 (54 ref.)
Role of endothelial dysfunction in the pathogenesis of reperfusion injury after myocardial ischemia. Lefer AM, et al. **FASEB J** 1991 Apr;5(7):2029–34 (40 ref.)
[Reperfusion induced arrhythmias] Chen ZJ. **Chung Hua Nei Ko Tsa Chih** 1990 May;29(5):266–9 (11 ref.) **(Chi)**
[Reperfusion injury in the myocardium--significance of the oxygen-derived free radicals] Svendsen JH, et al. **Ugeskr Laeger** 1991 Jun 10;153(24):1717–20 (30 ref.) (Eng. Abstr.) **(Dan)**
[Late coronary reperfusion. A possible etiology of post-infarction angina] Joly P, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):831–5 (15 ref.) (Eng. Abstr.) **(Fre)**
[Physiopathological basis of protection of the ischemic myocardium] Lerch R, et al. **Schweiz Med Wochenschr** 1990 Oct 20;120(42):1523–30 (57 ref.) (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Thrombolysis: adjuvant therapy and the role of complement. Fox KA. **Eur Heart J** 1990 Aug;11 Suppl F:36–42 (25 ref.)

Therapeutic potential of vitamin E against myocardial ischemic-reperfusion injury. Janero DR.
Free Radic Biol Med 1991;10(5):315-24 (154 ref.)
Review: fish oil and cardiac function. Nestel PJ.
World Rev Nutr Diet 1991;66:268-77 (32 ref.)
[Mechanism of post-ischemic reperfusion damage of myocardium and the protective and therapeutic effects with traditional Chinese medicine] Xu XS.
Chung Hsi I Chieh Ho Tsa Chih 1991 Feb;11(2):124-6 (26 ref.) **(Chi)**

MYOCARDIAL REVASCULARIZATION

Athletic participation after myocardial revascularization. Possibilities and benefits. Kay GL. **Clin Sports Med** 1991 Apr;10(2):371-89 (65 ref.)
[Coronary revascularization in post-infarction patients] Tarr F, et al. **Orv Hetil** 1991 Jan 13;132(2):59-62 (27 ref.) (Eng. Abstr.) **(Hun)**
[Present state of coronary revascularization in ischemic heart disease] Tanaka S. **Nippon Ika Daigaku Zasshi** 1991 Jun; 58(3):255-61 (36 ref.) (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

[Perioperative myocardial infarct in association with surgical treatment of coronary heart disease] Hricák V, et al.
Bratisl Lek Listy 1990 Sep;91(9):679-88 (85 ref.) (Eng. Abstr.) **(Slo)**

METHODS

Clinical alternative bypass conduits and methods for surgical coronary revascularization. Nishida H, et al.
Surg Gynecol Obstet 1991 Feb;172(2):161-74 (135 ref.)

MORTALITY

[Surgical myocardial revascularization: indications, perioperative risk constellation and prognosis] Korb H, et al. **Versicherungsmedizin** 1991 Jun 1;43(3):79-83 (13 ref.) (Eng. Abstr.) **(Ger)**

MYOCARDIAL STIMULANTS see **CARDIOTONIC AGENTS**

MYOCARDIOPATHIES see **MYOCARDIAL DISEASES**

MYOCARDITIS

DIAGNOSIS

[Acute viral myocarditis. 1: Pathogenesis, clinical manifestations, diagnosis] Schultheiss HP. **Fortschr Med** 1991 Jan 30;109(3):45-8 (0 ref.) (Eng. Abstr.) **(Ger)**
[Myocarditis and cardiomyopathy] Pietrzak M, et al.
Pol Arch Med Wewn 1990 Mar;83(3):143-8 (39 ref.) **(Pol)**
[Cardiomyopathies and myocarditis (the current problems)] Moiseev VS, et al. **Klin Med (Mosk)** 1990 Oct;68(10):31-6 (54 ref.) **(Rus)**

DRUG THERAPY

[Acute viral myocarditis. 2: Therapy] Schultheiss HP.
Fortschr Med 1991 Jan 30;109(3):49-50 (0 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Autoimmune myocarditis: a murine model. Beisel KW, et al. **Immunol Ser** 1990;52:267-93 (84 ref.)
[Acute toxoplasmic myocarditis. A cause of sudden death in a case of acquired immunodeficiency syndrome] Hoffman P, et al. **Arch Mal Coeur** 1990 Oct;83(11):1735-8 (10 ref.) (Eng. Abstr.) **(Fre)**
[Varicella myocarditis and junctional ectopic tachycardia] Senellart F, et al. **Pediatrie** 1991;46(3):267-70 (15 ref.) (Eng. Abstr.) **(Fre)**
[Myocarditis in childhood] Schmaltz AA. **Klin Padiatr** 1991 Jan-Feb;203(1):1-7 (35 ref.) (Eng. Abstr.) **(Ger)**
[Myocarditis in childhood and adolescence] Mücke D, et al. **Z Arztl Fortbild (Jena)** 1991 Apr 25;85(8):365-72 (11 ref.) **(Ger)**

MICROBIOLOGY

Aspergillus terreus myocarditis: report of a case and review of the literature. Russack V. **Am J Cardiovasc Pathol** 1990; 3(3):275-9 (11 ref.)

PATHOLOGY

Viral myocarditis. Burke M. **Histopathology** 1990 Sep; 17(3):193-200 (52 ref.)
Endomyocardial biopsy in dilated cardiomyopathy and myocarditis: which role? Camerini F, et al.
Int J Cardiol 1991 Apr;31(1):1-8 (72 ref.)
Toward understanding the pathogenesis of enterovirus-induced cardiomyopathy: molecular and ultrastructural approaches. Hofschneider PH, et al.
J Struct Biol 1990 Jul-Sep;104(1-3):32-7 (35 ref.)

MYOCARDIUM

CHEMISTRY

Balance between omega 3 and omega 6 fatty acids in heart muscle in relation to diet, stress and ageing. Gudbjarnason S, et al. **World Rev Nutr Diet** 1991;66:292-305 (20 ref.)

CYTOLOGY

Comparative aspects of the endocrine myocardium. Aardal S, et al. **Acta Physiol Scand Suppl** 1991;599:31-46 (183 ref.)
Myofibrillogenesis and reversible disassembly of myofibrils as adaptive reactions of cardiac muscle cells. Borisov AB.
Acta Physiol Scand Suppl 1991;599:71-80 (62 ref.)
Autonomous expression of the differentiation programs of cells in the cardiac and skeletal myogenic lineages. Holtzer H, et al. **Ann N Y Acad Sci** 1990;599:158-69 (20 ref.)
Alignment of myocardial cells and its role in the genesis of cardiac arrhythmias. Spach MS. **PACE** 1990 Nov;13(11 Pt 2):1535-40 (10 ref.)
Mechanical properties of isolated cardiac myocytes. Brady AJ. **Physiol Rev** 1991 Apr;71(2):413-28 (146 ref.)
The myocardial cell: normal growth, cardiac hypertrophy and response to injury. Bishop SP. **Toxicol Pathol** 1990;18(4 Pt 1):438-53 (70 ref.)
Use of isolated adult myocytes to evaluate cardiotoxicity. II. Preparation and properties. Haworth RA.
Toxicol Pathol 1990;18(4 Pt 1):521-30 (120 ref.)

ENZYMOLOGY

Mechanism of fatty acid ethyl ester formation and biological significance. Lange LG. **Ann N Y Acad Sci** 1991;625:802-5 (9 ref.)
Digitalis sensitivity of Na+,K(+)-ATPase, myocytes and the heart. Akera T, et al. **Life Sci** 1991;48(2):97-106 (39 ref.)
Cyclic AMP phosphodiesterases and Ca2+ current regulation in cardiac cells. Fischmeister R, et al.
Life Sci 1991;48(25):2365-76 (132 ref.)
[Changes in ventricular myocardial myosin ATPase isoenzymes in physiological and pathological conditions] Chen Y, et al. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan; 22(1):80-3 (34 ref.) **(Chi)**
[Effect of the coronary microvascular system on adenine nucleotide metabolism and subsequent functions of the heart] Nees S, et al. **Internist (Berl)** 1990 Oct;31(10):617-24 (36 ref.) **(Ger)**
[Alterations of the cAMP-adenylate cyclase system in the failing human heart. Consequences for the therapy with inotropic drugs] Böhm M, et al. **Klin Wochenschr** 1990 Sep 14;68(18):887-95 (67 ref.) (Eng. Abstr.) **(Ger)**
[Experimental and clinical possibilities of MR spectroscopy of the heart] Neubauer S, et al. **Z Kardiol** 1991 Jan; 80(1):25-36 (62 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Dental caries vaccine: some problems solved? Everhart DL, et al. **Microbiol Sci** 1985 Oct;2(10):312-3 (22 ref.)
Origin and significance of anti-heart and anti-skeletal muscle autoantibodies in Chagas' disease. Laguens RP, et al.
Res Immunol 1991 Feb;142(2):160-3 (17 ref.)
[Streptococci, molecular mimicry and APO titer] Fantini F.
Boll Ist Sieroter Milan 1989;68(2):108-14 (21 ref.) **(Ita)**

METABOLISM

Lipid peroxidation and membrane damage of the heart. Ytrehus K, et al. **Acta Physiol Scand Suppl** 1991;599:81-91 (52 ref.)
Silent ischemia during mental stress: scintigraphic evidence and electrocardiographic patterns. Tavazzi L, et al.
Adv Cardiol 1990;37:53-66 (29 ref.)
Direct and indirect regulation of cardiac L-type calcium channels by beta-adrenoreceptor agonists. Trautwein W, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:45-50 (14 ref.)
Modulation of cardiac ion channels by magnesium. Agus ZS, et al. **Annu Rev Physiol** 1991;53:299-307 (29 ref.)
Cellular magnesium and Na/Mg exchange in heart cells. Murphy E, et al. **Annu Rev Physiol** 1991;53:273-87 (83 ref.)
Atrial natriuretic factor: the heart as an endocrine organ. Stephenson TJ, et al. **Arch Dis Child** 1990 Dec; 65(12):1293-4 (28 ref.)
Regulation of protein turnover in skeletal and cardiac muscle. Sugden PH, et al. **Biochem J** 1991 Jan 1;273(Pt 1):21-37 (367 ref.)
Myoplasmic phosphate metabolites in the integration of oxidative phosphorylation and contractile function in the myocardium. Kupriyanov VV, et al. **Biomed Sci** 1990 Feb; 1(2):113-21 (38 ref.)
The role of free radicals in the ischemic myocardium. Ferrari R. **Bratisl Lek Listy** 1991 Feb;92(2):108-12 (58 ref.)
Biochemical analysis of L-type calcium channels from skeletal and cardiac muscle. Tuana BS, et al.
Can J Physiol Pharmacol 1990 Nov;68(11):1482-8 (49 ref.)
Regulation and interaction of intracellular calcium, sodium and hydrogen ions in cardiac muscle. MacLeod KT.
Cardioscience 1991 Jun;2(2):71-85 (109 ref.)
Myocardial ischemia--metabolic pathways and implications of increased glycolysis. Opie LH.
Cardiovasc Drugs Ther 1990 Aug;4 Suppl 4:777-90 (91 ref.)
Imaging of myocardial metabolism by positron emission tomography. Rigo P, et al. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 4:847-51 (28 ref.)
Cardiovascular nuclear magnetic resonance imaging and spectroscopy. Rehr RB. **Curr Probl Cardiol** 1991 Mar; 16(3):125-215 (200 ref.)
Adenosine is a sensitive oxygen sensor in the heart. Schrader J, et al. **Experientia** 1990 Dec 1;46(11-12):1172-5 (16 ref.)
Direct up-regulating effect of Gs on the whole-cell L-type Ca current in cardiac cells. Shuba YM, et al.
Gen Physiol Biophys 1991 Apr;10(2):105-10 (28 ref.)
Ontogenesis of transmembrane signaling systems for control of cardiac Ca2+ channels. Kojima M, et al.
J Dev Physiol 1990 Oct;14(4):181-219 (236 ref.)
The clinical role of metabolic imaging of the heart by positron emission tomography. Schwaiger M, et al.
J Nucl Med 1991 Apr;32(4):565-78 (101 ref.)
Molecular mechanism of calcium uptake and release by cardiac sarcoplasmic reticulum. Inui M, et al.
Jpn Circ J 1990 Sep;54(9):1185-91 (31 ref.)
Collagen and the myocardium: fibrillar structure, biosynthesis and degradation in relation to hypertrophy and its regression. Eghbali M, et al. **Mol Cell Biochem** 1990 Jul 17;96(1):1-14 (93 ref.)
Properties of calcium channels in cardiac muscle and vascular smooth muscle. Sperelakis N. **Mol Cell Biochem** 1990 Dec 20;99(2):97-109 (90 ref.)
Pathomechanisms of the cerebral and myocardial glucose metabolism. Knapp WH. **Nuklearmedizin** 1990 Dec; 29(6):236-45 (129 ref.)
Modulation of cardiac Ca++ current by taurine. Sawamura A, et al. **Prog Clin Biol Res** 1990;351:207-15 (19 ref.)
Magnetic resonance spectroscopy of the heart. Higgins CB. **Radiol Med (Torino)** 1990 Jul-Aug;80(1-2):164-7 (22 ref.)
Molecular biology, endocrinology, and pharmacology of the cardiac renin-angiotensin system. Lindpaintner K, et al. **Therapie** 1990 Nov-Dec;45(6):483-8 (23 ref.)
[The role of calcium ions in the contractility of cardiac muscles and possible effects of various substances] Butora G. **Cesk Farm** 1990 Oct;39(8):363-9 (122 ref.) **(Cze)**
[The use of positron emission tomography in cardiology; a metabolic dimension] Blanksma PK, et al.
Ned Tijdschr Geneeskd 1991 Jan 5;135(1):9-13 (24 ref.) **(Dut)**
[Heart failure in dilated cardiomyopathy. A disorder of cellular calcium homeostasis] Beuckelmann DJ, et al.
Dtsch Med Wochenschr 1991 Mar 29;116(13):504-8 (24 ref.) **(Ger)**
[Various recent findings concerning the formation, mechanism of action and significance of atrial natriuretic peptides (atriopeptins)] Kolb E. **Z Gesamte Inn Med** 1990 Jul 1;45(13):365-9 (57 ref.) (Eng. Abstr.) **(Ger)**
[The current status of experimental heart infarct research] Schaper W. **Z Kardiol** 1990 Dec;79(12):811-8 (34 ref.) **(Ger)**
[Alterations in myocardial adrenoceptor transduction systems in health and disease] Tobise K, et al.
Kokyu To Junkan 1991 Apr;39(4):311-9 (51 ref.) **(Jpn)**
[Hemochromatosis of the heart] Scieszka J, et al.
Kardiol Pol 1990;33(11-2):71-6 (38 ref.) **(Pol)**
[Myocardial hypoxia in newborn infants] Elgenson OB.
Pediatriia 1990;(8):96-9 (63 ref.) **(Rus)**
[Substrate oxidation in the myocardium] Moreno-Sánchez R, et al. **Arch Inst Cardiol Mex** 1990 Nov-Dec;60(6):587-91 (36 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Myocardial contractile performance during acute coronary occlusion with special emphasis on nonoccluded regions. Hexeberg E, et al. **Acta Physiol Scand Suppl** 1991; 599:99-107 (56 ref.)
The role of endomyocardial biopsy in the diagnosis and treatment of heart disease. Urbanová D.
Acta Univ Carol [Med] (Praha) 1989;35(3-4):75-165 (346 ref.)
The heart in fatal unstable angina pectoris. Roberts WC, et al. **Am J Cardiol** 1991 Sep 3;68(7):22B-27B (11 ref.)
Is heart failure an abnormality of myocardial cell growth? Katz AM. **Cardiology** 1990;77(5):346-56 (64 ref.)
Pathological hypertrophy and cardiac interstitium. Fibrosis and renin-angiotensin-aldosterone system. Weber KT, et al. **Circulation** 1991 Jun;83(6):1849-65 (109 ref.)
Angiotensin-converting enzyme inhibition, cell growth, and left ventricular hypertrophy in hypertension. Giles TD. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV63-7; discussion IV83-90 (53 ref.)
Imaging the pathology of myocardial infarction. Muir AL. **Clin Phys Physiol Meas** 1990;11 Suppl A:113-6 (12 ref.)
The George Simon lecture: magnetic resonance studies of the heart. Rees S. **Clin Radiol** 1990 Nov;42(5):302-16 (38 ref.)
Magnetic resonance imaging of the heart: perfusion, function, and structure. de Roos A, et al. **Curr Opin Radiol** 1991 Aug;3(4):525-32 (40 ref.)
Doxorubicin cardiotoxicity: analysis of prevailing hypotheses. Olson RD, et al. **FASEB J** 1990 Oct; 4(13):3076-86 (50 ref.)
Cardiac hypertrophy and ventricular remodeling [editorial] Anversa P, et al. **Lab Invest** 1991 Apr;64(4):441-5 (50 ref.)
Hypoxic right ventricular cardiomyopathy. A morphological and pathogenetic study on the myocardial atrophy and fatty infiltration. Silvestri F, et al. **Pathologica** 1990 Nov-Dec; 82(1082):593-616 (120 ref.)

AIDS and the heart. Meyer PR, et al. **Prog AIDS Pathol** 1989;1:213–8 (12 ref.)
The pathology of transplanted hearts. Billingham ME. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):233–40 (24 ref.)
Tetralogy of Fallot: angiographic and pathological correlation. Soto B, et al. **Semin Thorac Cardiovasc Surg** 1990 Jan;2(1):12–26 (20 ref.)
Dynamic pathology of the heart, a personal odyssey. Wagner BM. **Toxicol Pathol** 1990;18(4 Pt 1):481–7 (30 ref.)
[Cardiac involvement in carriers of the human immunodeficiency virus. Report of 38 cases] Blanc P, et al. **Ann Cardiol Angeiol (Paris)** 1990 Nov;39(9):519–25 (26 ref.) (Eng. Abstr.) **(Fre)**
[Pathological anatomy of the heart in myopathies and infantile muscular atrophies] Bataille J, et al. **Ann Med Interne (Paris)** 1991;142(1):5–8 (16 ref.) (Eng. Abstr.) **(Fre)**
[Abnormalities of the skeletal muscle in hypertrophic cardiomyopathy. Spectroscopy using phosphorus-31 nuclear magnetic resonance] Duboc D, et al. **Arch Mal Coeur Vaiss** 1991 Feb;84(2):185–8 (20 ref.) (Eng. Abstr.) **(Fre)**
[Myofibril degeneration of heart muscle: histologic picture and pathophysiologic significance] Pedal I, et al. **Beitr Gerichtl Med** 1990;48:237–44 (17 ref.) (Eng. Abstr.) **(Ger)**
[Postmortem indications of hypertension (published erratum appears in Pathologe 1991 May;12(3):174)] Zschoch H. **Pathologe** 1991 Mar;12(2):66–9 (29 ref.) **(Ger)**
[Low-level chemoluminescence as a marker of ischemic myocardial damage] Török B, et al. **Orv Hetil** 1991 Apr 14;132(15):815–7 (15 ref.) (Eng. Abstr.) **(Hun)**
[A rare adult case of double-outlet right ventricle without pulmonary stenosis: an autopsy case] Okabe M, et al. **Kokyu To Junkan** 1990 Dec;38(12):1253–8 (20 ref.) (Eng. Abstr.) **(Jpn)**
[Remodeling of myocardial interstitium in left ventricular hypertrophy and myocardial infarction] Jalil Milad JE. **Rev Esp Cardiol** 1990 Nov;43(9):635–9 (52 ref.) (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

To excite a heart: a bird's view. Sommer JR, et al. **Acta Physiol Scand Suppl** 1991;599:5–21 (97 ref.)
Two structural states of the vertebrate Z band. Goldstein MA, et al. **Electron Microsc Rev** 1990;3(2):227–48 (56 ref.)
Pre- and postnatal development and ageing of the heart. Ultrastructural results and quantitative data. David H, et al. **Exp Pathol Suppl** 1981;7:1–176 (393 ref.)
Toward understanding the pathogenesis of enterovirus-induced cardiomyopathy: molecular and ultrastructural approaches. Hofschneider PH, et al. **J Struct Biol** 1990 Jul–Sep;104(1–3):32–7 (35 ref.)
Conventional and high resolution scanning electron microscopy of biological sectioned material. Scala C, et al. **Scanning Microsc** 1991 Mar;5(1):135–44; discussion 144–5 (13 ref.)

MYOCLONIC EPILEPSY, PROGRESSIVE see **EPILEPSY, MYOCLONUS**

MYOCLONIC JERKING, MASSIVE see **SPASMS, INFANTILE**

MYOCLONUS

COMPLICATIONS

Spasmodic dysphonia associated with palatal myoclonus. Doody RS, et al. **Ear Nose Throat J** 1990 Dec; 69(12):829–32 (26 ref.)

DIAGNOSIS

Segmental axial myoclonus presenting as a 'clicking trachea' [letter] MacDonald EA. **J Child Neurol** 1991 Apr; 6(2):182–4 (10 ref.)

ETIOLOGY

[Oculo-palatal myoclonus and multiple sclerosis] Revol A, et al. **Rev Neurol (Paris)** 1990;146(8–9):518–21 (25 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

[Early myoclonic encephalopathy. Delimitation of the syndrome in view of genetic counseling] Voirin J, et al. **Pediatrie** 1991;46(4):323–7 (28 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Palatal myoclonus and tinnitus in children. Fox GN, et al. **West J Med** 1991 Jan;154(1):98–102 (24 ref.)

VETERINARY

Myoclonus in Papio papio. Brailowsky S. **Mov Disord** 1991; 6(2):98–104 (33 ref.)

MYODYSTROPHIA FETALIS DEFORMANS see **ARTHROGRYPOSIS**

MYOELECTRIC COMPLEX, MIGRATING

PHYSIOLOGY

[Relations between gastrointestinal interdigestive motility and secretion] Malfertheiner P, et al. **Z Gastroenterol Verh** 1991 Mar;26:290–2 (21 ref.) **(Ger)**

MYOEPITHELIAL TUMOR

PATHOLOGY

Adenomyoepithelioma of the breast. A case report. Accurso A, et al. **Tumori** 1990 Dec 31;76(6):606–10 (54 ref.)

MYOEPITHELIOMA see **MYOEPITHELIAL TUMOR**

MYOFASCIAL PAIN DYSFUNCTION SYNDROME, TEMPOROMANDIBULAR JOINT see **TEMPOROMANDIBULAR JOINT SYNDROME**

MYOFASCIAL PAIN SYNDROMES

PATHOLOGY

Fibromyalgia, chronic fatigue syndrome, and myofascial pain syndrome. Goldenberg DL. **Curr Opin Rheumatol** 1991 Apr;3(2):247–58 (91 ref.)

THERAPY

Clinical care for myofascial pain. Fricton JR. **Dent Clin North Am** 1991 Jan;35(1):1–28 (76 ref.)
Thoracic outlet syndrome--a myofascial variant: Part 2. Treatment. Sucher BM. **J Am Osteopath Assoc** 1990 Sep; 90(9):810–2, 817–23 (17 ref.)

MYOFIBRILS

see related
MUSCLE CONTRACTION

PATHOLOGY

Myofibrillogenesis and reversible disassembly of myofibrills as adaptive reactions of cardiac muscle cells. Borisov AB. **Acta Physiol Scand Suppl** 1991;599:71–80 (62 ref.)

PHYSIOLOGY

Molecular analysis of protein assembly in muscle development. Epstein HF, et al. **Science** 1991 Mar 1; 251(4997):1039–44 (64 ref.)

ULTRASTRUCTURE

[Myofibril degeneration of heart muscle: histologic picture and pathophysiologic significance] Pedal I, et al. **Beitr Gerichtl Med** 1990;48:237–44 (17 ref.) (Eng. Abstr.) **(Ger)**

MYOFILAMENTS see **MICROFILAMENTS**

MYOGLOBIN

BIOSYNTHESIS

A review of carboxymyoglobin formation: a major mechanism of carbon monoxide toxicity. Sangalli BC, et al. **Vet Hum Toxicol** 1990 Oct;32(5):449–53 (51 ref.)

CHEMISTRY

Time-resolved photoacoustic calorimetry: a study of myoglobin and rhodopsin. Peters KS, et al. **Annu Rev Biophys Biophys Chem** 1991;20:343–62 (64 ref.)

METABOLISM

Autoxidation of oxymyoglobin: a meeting point of the stabilization and the activation of molecular oxygen. Shikama K. **Biol Rev Camb Philos Soc** 1990 Nov; 65(4):517–27 (32 ref.)

MYOGLOBINURIA

PHYSIOPATHOLOGY

Recurrent childhood myoglobinuria. Tein I, et al. **Adv Pediatr** 1990;37:77–117 (156 ref.)

MYOGRAPHY

METHODS

Biomagnetic studies of peripheral nerves and skeletal muscle. Roth BJ. **Adv Neurol** 1990;54:101–17 (60 ref.)

MYOINOSITOL see **INOSITOL**

MYOKINASE see **ADENYLATE KINASE**

MYOMA

SURGERY

Hyskon complications in hysteroscopic surgery. McLucas B. **Obstet Gynecol Surv** 1991 Apr;46(4):196–200 (29 ref.)

MYOMETRIUM

METABOLISM

Luteinizing hormone/human chorionic gonadotropin receptors in myometrium and their role in uterine motility. Ziecik AJ. **Arch Immunol Ther Exp (Warsz)** 1990; 38(1–2):141–4 (10 ref.)
Pharmacological versus binding analysis of receptor systems: how do they interplay? Myometrial cell receptors for oxytocin as a paradigm. Pliška V. **Experientia** 1991 Mar 15;47(3):216–21 (34 ref.)

PHYSIOLOGY

Relationship between myometrial and cervical functions in pregnancy and labor. Huszar GB, et al. **Semin Perinatol** 1991 Apr;15(2):97–117 (155 ref.)
[Adenylate cyclase and adrenoreceptors in the myometrium] Shlykov SG. **Ukr Biokhim Zh** 1990 Jul–Aug;62(4):3–14 (62 ref.) (Eng. Abstr.) **(Rus)**

MYONEURAL JUNCTION see **NEUROMUSCULAR JUNCTION**

MYOPIA

[Characteristics of physiopathology, clinical aspects and optical correction in congenital myopia. Literature review] Iusupov AA. **Vestn Oftalmol** 1991 Mar–Apr;107(2):61–6 (43 ref.) **(Rus)**

ETIOLOGY

Optical causes of experimental myopia. Sivak JG, et al. **Ciba Found Symp** 1990;155:160–72; discussion 172–7 (24 ref.)

GENETICS

[Role of heredity in myopia] Burgaft MB. **Oftalmol Zh** 1990; (4):231–5 (31 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Avian models of experimental myopia: environmental factors in the regulation of eye growth. Hodos W. **Ciba Found Symp** 1990;155:149–56; discussion 156–9 (23 ref.)
Experimental myopia in tree shrews. Norton TT. **Ciba Found Symp** 1990;155:178–94; discussion 194–9 (40 ref.)
Neural control of eye growth and experimental myopia in primates. Raviola E, et al. **Ciba Found Symp** 1990; 155:22–38; discussion 39–44 (27 ref.)
Postnatal control of ocular growth: dopaminergic mechanisms. Stone RA, et al. **Ciba Found Symp** 1990; 155:45–57; discussion 57–62 (23 ref.)
Myopia and the control of eye growth. Introduction. Wallman J. **Ciba Found Symp** 1990;155:1–4 (1 ref.)
Retinal influences on sclera underlie visual deprivation myopia. Wallman J. **Ciba Found Symp** 1990;155:126–34; discussion 135–41 (31 ref.)

PREVENTION & CONTROL

Myopia in humans: can progression be arrested? Goldschmidt E. **Ciba Found Symp** 1990;155:222–9; discussion 230–4 (11 ref.)

SURGERY

Radial keratotomy. Saragoussi JJ. **Fortschr Ophthalmol** 1990; 87 Suppl:S215–8 (39 ref.)
Phakic anterior chamber intraocular lenses. Baikoff G. **Int Ophthalmol Clin** 1991 Winter;31(1):75–86 (25 ref.)
[Surgical correction of severe myopia using an anterior chamber implant in the phakic eye. Concept--results] Baikoff G, et al. **Bull Soc Belge Ophtalmol** 1989;233:109–25 (49 ref.) **(Fre)**
[Extraction of the crystalline lens and implantation of an intraocular lens] Galand A. **Bull Soc Belge Ophtalmol** 1989; 233:127–38 (36 ref.) **(Fre)**
[Surgery in myopia. Future perspectives] Marechal-Courtois C. **Bull Soc Belge Ophtalmol** 1989;233:139–63 (59 ref.) **(Fre)**
[Radial keratotomy] Prijot A, et al. **Bull Soc Belge Ophtalmol** 1989;233:13–66 (114 ref.) **(Fre)**
[Keratomileusis in myopia] Saragoussi JJ, et al. **Bull Soc Belge Ophtalmol** 1989;233:67–94 (34 ref.) **(Fre)**
[Non-freeze myopic keratomileusis. Retrospective study of 27 consecutive operations] Bosc JM, et al. **J Fr Ophtalmol** 1990;13(1–2):10–6 (11 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Current methods of treating and preventing myopia. Woo GC, et al. **Optom Vis Sci** 1990 Sep;67(9):719–27 (86 ref.)

MYOSIN

ANALYSIS

Myosin light chains and troponin C: structural and evolutionary relationships revealed by amino acid sequence comparisons. Collins JH. **J Muscle Res Cell Motil** 1991 Feb;12(1):3–25 (133 ref.)

CHEMISTRY

Small angle X-ray scattering studies on myosin. Faruqi AR, et al. **J Cell Sci Suppl** 1991;14:23–6 (18 ref.)

GENETICS

Myosin, from the gene to the circulating forms. Schwartz K. **Int J Rad Appl Instrum [B]** 1990;17(7):615–8 (23 ref.)

Molecular cloning of protozoan myosin I heavy chain genes. Hammer JA 3d, et al. **J Cell Sci Suppl** 1991;14:37–40 (28 ref.)

Recombinant DNA approaches to study the role of the regulatory light chains (RLC) using scallop myosin as a test system. Kendrick-Jones J, et al. **J Cell Sci Suppl** 1991; 14:55–8 (31 ref.)

Isolation and characterization of a previously unrecognized myosin heavy chain gene present in the Syrian hamster. McCully JD, et al. **J Mol Biol** 1991 Apr 20;218(4):657–65 (36 ref.)

Genetic analysis of myosin assembly in Caenorhabditis elegans. Epstein HF. **Mol Neurobiol** 1990 Spring-Summer; 4(1–2):1–25 (114 ref.)

IMMUNOLOGY

Antimyosin imaging in cardiac transplant rejection. Johnson LL, et al. **Circulation** 1991 Sep;84(3 Suppl):I273–9 (31 ref.)

METABOLISM

Myosin phosphorylation/dephosphorylation and regulation of airway smooth muscle contractility. de Lanerolle P, et al. **Am J Physiol** 1991 Aug;261(2 Pt 1):L1–14 (138 ref.)

Regulation of ATP hydrolysis by caldesmon. A novel change in the interaction of myosin with actin. Chalovich JM, et al. **Ann N Y Acad Sci** 1990;599:85–99 (74 ref.)

The dynamics of actin and myosin association and the crossbridge model of muscle contraction. Geeves MA. **Biochem J** 1991 Feb 15;274 (Pt 1):1–14 (131 ref.)

Characterization of the nucleotide-modulated interaction of myth actin by n.m.r. spectroscopy. Levine BA, et al. **Biochem Soc Trans** 1991 Apr;19(2):423–5 (9 ref.)

Regulation of smooth muscle myosin. Trybus KM. **Cell Motil Cytoskeleton** 1991;18(2):81–5 (25 ref.)

Regulation of cytoplasmic and smooth muscle myosin. Sellers JR. **Curr Opin Cell Biol** 1991 Feb;3(1):98–104 (62 ref.)

Assembly of cytoplasmic and smooth muscle myosins. Trybus KM. **Curr Opin Cell Biol** 1991 Feb;3(1):105–11 (33 ref.)

Molecular basis of myosin assembly: coiled-coil interactions and the role of charge periodicities. Atkinson SJ, et al. **J Cell Sci Suppl** 1991;14:7–10 (12 ref.)

Differential regulation of vertebrate myosins I and II. Collins K, et al. **J Cell Sci Suppl** 1991;14:11–6 (34 ref.)

Self-assembly pathway of nonsarcomeric myosin II. Cross RA, et al. **J Cell Sci Suppl** 1991;14:17–21 (12 ref.)

Phosphorylation of vertebrate smooth muscle and nonmuscle myosin heavy chains in vitro and in intact cells. Kelley CA, et al. **J Cell Sci Suppl** 1991;14:49–54 (31 ref.)

Regulation of the interaction between smooth muscle myosin and actin. Trybus KM, et al. **J Cell Sci Suppl** 1991;14:87–9 (12 ref.)

Contractile proteins of fatigue-resistant muscle. Carraro U. **Semin Thorac Cardiovasc Surg** 1991 Apr;3(2):111–5 (31 ref.)

PHYSIOLOGY

Myosin-I. Pollard TD, et al. **Annu Rev Physiol** 1991; 53:653–81 (123 ref.)

Towards a molecular understanding of contractility. Rüegg JC. **Cardioscience** 1990 Sep;1(3):163–8 (25 ref.)

Reconstitution of active movement in vitro based on the actin-myosin interaction. Higashi-Fujime S. **Int Rev Cytol** 1991;125:95–138 (174 ref.)

The influence of pressure on actin and myosin interactions in solution and in single muscle fibres. Geeves MA. **J Cell Sci Suppl** 1991;14:31–5 (26 ref.)

[Myosin head as the site of force generation?] Stępkowski D, et al. **Postepy Biochem** 1989;35(4):585–9 (16 ref.) **(Pol)**

MYOSIN ADENOSINE TRIPHOSPHATASE see **ADENOSINE TRIPHOSPHATASE, MYOSIN**

MYOSIN ATPASE see **ADENOSINE TRIPHOSPHATASE, MYOSIN**

MYOSIN ISOENZYMES see **ADENOSINE TRIPHOSPHATASE, MYOSIN**

MYOSIN ISOZYMES see **ADENOSINE TRIPHOSPHATASE, MYOSIN**

MYOSIN SUBFRAGMENTS

see related
ADENOSINE TRIPHOSPHATASE, MYOSIN

MYOSITIS

Polymyositis/dermatomyositis: the current position. Urbano-Márquez A, et al. **Ann Rheum Dis** 1991 Mar; 50(3):191–5 (64 ref.)

Inclusion body myositis. Kula RW, et al. **Curr Opin Rheumatol** 1989 Dec;1(4):460–7 (19 ref.)

COMPLICATIONS

Pyomyositis in patients with the human immunodeficiency virus: an unusual form of disseminated bacterial infection. Widrow CA, et al. **Am J Med** 1991 Aug;91(2):129–36 (46 ref.)

Myositis and malignancy. Callen JP. **Curr Opin Rheumatol** 1989 Dec;1(4):468–72 (6 ref.)

[Interstitial pulmonary involvement of polymyositis and dermatomyositis. Apropos of 3 cases. Review of the literature] Flammang d'Ortho MP, et al. **Rev Pneumol Clin** 1991;47(1):29–36 (58 ref.) (Eng. Abstr.) **(Fre)**

[A case of renal cell carcinoma with polymyositis] Kumasaka K, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1317–20 (12 ref.) (Eng. Abstr.) **(Jpn)**

[A case of polymyositis complicated with membranous nephritis] Hara I, et al. **Nippon Naika Gakkai Zasshi** 1991 Jan 10;80(1):108–9 (5 ref.) **(Jpn)**

DIAGNOSIS

Polymyositis: a case history approach to the differential diagnosis and treatment. Bunch TW. **Mayo Clin Proc** 1990 Nov;65(11):1480–97 (176 ref.)

[The differential diagnosis of malignant soft tissue tumors: pyomyositis] Ahrens P, et al. **Aktuelle Radiol** 1991 Jan; 1(1):40–2 (8 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Treatment of polymyositis and dermatomyositis. Dalakas M. **Curr Opin Rheumatol** 1989 Dec;1(4):443–9 (5 ref.)

ETIOLOGY

The idiopathic inflammatory myopathies and their treatment [editorial] Walton J. **J Neurol Neurosurg Psychiatry** 1991 Apr;54(4):285–7 (33 ref.)

Idiopathic inflammatory myopathies. Cronin ME, et al. **Rheum Dis Clin North Am** 1990 Aug;16(3):655–65 (57 ref.)

Characteristics and pathogenesis of myositis in human immunodeficiency virus infection--distinction from azidothymidine-induced myopathy. Espinoza LR, et al. **Rheum Dis Clin North Am** 1991 Feb;17(1):117–29 (28 ref.)

IMMUNOLOGY

Immune mechanisms in myositis. Targoff IN. **Curr Opin Rheumatol** 1990 Dec;2(6):882–8 (28 ref.)

Immunologic aspects of myositis. Targoff IN. **Curr Opin Rheumatol** 1989 Dec;1(4):432–42 (27 ref.)

Polymyositis, pulmonary fibrosis and autoantibodies to aminoacyl-tRNA synthetase enzymes. Marguerie C, et al. **Q J Med** 1990 Oct;77(282):1019–38 (69 ref.)

[Cellular immunity and the autoantibody system in polymyositis and dermatomyositis] Ljubičić N, et al. **Lijec Vjesn** 1991 Mar-Apr;113(3–4):95–9 (65 ref.) (Eng. Abstr.) **(Scr)**

PATHOLOGY

Orbital myositis--a case report. Barnes C. **Aust N Z J Ophthalmol** 1990 Aug;18(3):251–5 (20 ref.)

[A manifestation suggesting juvenile spondylarthropathy: anterior tibial enthesitis. Apropos of 3 cases] Wendling D, et al. **Ann Pediatr (Paris)** 1991 Feb;38(2):103–6 (17 ref.) (Eng. Abstr.) **(Fre)**

[Manifestations in skeletal muscle] Pongratz D. **Verh Dtsch Ges Inn Med** 1990;96:575–81 (8 ref.) **(Ger)**

PHYSIOPATHOLOGY

Acute inflammation: the underlying mechanism in delayed onset muscle soreness? Smith LL. **Med Sci Sports Exerc** 1991 May;23(5):542–51 (94 ref.)

THERAPY

Polymyositis: a case history approach to the differential diagnosis and treatment. Bunch TW. **Mayo Clin Proc** 1990 Nov;65(11):1480–97 (176 ref.)

Polymyositis and dermatomyositis 1990--diagnosis, treatment and prognosis. Henriksson KG, et al. **Prog Neurobiol** 1990;35(3):181–93 (62 ref.)

MYOSITIS OSSIFICANS

ETIOLOGY

[Heterotopic ossifications from the trauma surgery viewpoint] Rieger H, et al. **Unfallchirurg** 1991 Mar; 94(3):144–52 (86 ref.) (Eng. Abstr.) **(Ger)**

MYOTONIA ATROPHICA

[Myotonic dystrophy] Daugaard D, et al. **Ugeskr Laeger** 1991 Aug 19;153(34):2345–8 (30 ref.) (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Multiple pilomatricomas and myotonic dystrophy. Street ML, et al. **J Dermatol Surg Oncol** 1991 Sep;17(9):728–30 (13 ref.)

MYOXIDAE see **RODENTIA**

MYRISTATES

METABOLISM

Protein N-myristoylation: simple questions, unexpected answers. Gordon JI. **Clin Res** 1990 Oct;38(3):517–28 (43 ref.)

Protein N-myristoylation. Gordon JI, et al. **J Biol Chem** 1991 May 15;266(14):8647–50 (49 ref.)

MYRISTIC ACIDS

METABOLISM

Acylation and prenylation of proteins. Deschenes RJ, et al. **Curr Opin Cell Biol** 1990 Dec;2(6):1108–13 (21 ref.)

MYTHOLOGY

Menstrual mythology and sources of information about menstruation. Cumming DC, et al. **Am J Obstet Gynecol** 1991 Feb;164(2):472–6 (24 ref.)

[Neurology and theology--on the genesis of metaphysical anemia] Wikström O. **Lakartidningen** 1991 Aug 21; 88(34):2680–1 (15 ref.) **(Swe)**

MYTILUS see **MUSSELS**

MYXEDEMA

COMPLICATIONS

Myxedema coma. Myers L, et al. **Crit Care Clin** 1991 Jan; 7(1):43–56 (48 ref.)

MYXOBACTERALES

PHYSIOLOGY

Social and developmental biology of the myxobacteria. Shimkets LJ. **Microbiol Rev** 1990 Dec;54(4):473–501 (287 ref.)

MYXOID CYST see **SYNOVIAL CYST**

MYXOMA

Myxoma of tricuspid valve [letter] Sharma SC, et al. **J Thorac Cardiovasc Surg** 1991 May;101(5):938–40 (5 ref.)

[Heart myxomas] Doria A, et al. **G Clin Med** 1990 Oct; 71(10):585–91 (67 ref.) **(Ita)**

COMPLICATIONS

[Neurological disorders disclosing auricular myxoma: 3 cases] Bonnefoi B, et al. **Rev Neurol (Paris)** 1990;146(8–9):508–10 (14 ref.) (Eng. Abstr.) **(Fre)**

[Right ventricular myxoma complicated by paroxysmal atrial tachycardia: a surgical case report] Kamada S, et al. **Kyobu Geka** 1990 Dec;43(13):1100–4 (18 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Evaluation and management of Carney's complex: an illustrative case [see comments] Wallace TM, et al. **Cleve Clin J Med** 1991 May-Jun;58(3):248–50, 255–6 (21 ref.) Comment in: Cleve Clin J Med 1991 May-Jun;58(3):214.

Left atrial myxoma presenting as acute myocardial infarction. Namura M, et al. **Jpn J Med** 1990 Sep-Oct;29(5):537–41 (23 ref.)

EPIDEMIOLOGY

Primary cardiac tumors--French studies of 533 cases. Blondeau P. **Thorac Cardiovasc Surg** 1990 Aug;38 Suppl 2:192–5 (0 ref.)

Incidence and clinical importance of cardiac tumors in China--review of the literature. Li GY. **Thorac Cardiovasc Surg** 1990 Aug;38 Suppl 2:205–7 (34 ref.)

Tumors of the heart. Incidence and clinical importance of cardiac tumors in Japan and operative technique for large left atrial tumors. Sezai Y. **Thorac Cardiovasc Surg** 1990 Aug;38 Suppl 2:201–4 (3 ref.)

GENETICS

Autosomal dominant transmission of the NAME syndrome (nevi, atrial myxoma, mucinosis of the skin and endocrine overactivity). Koopman RJ, et al. **Hum Genet** 1991 Jan; 86(3):300–4 (42 ref.)

[Familial cardiac myxoma with multiple and contralateral

recurrence] Ohshima N, et al. **Kyobu Geka** 1990 Dec; 43(13):1060–6 (17 ref.) (Eng. Abstr.) **(Jpn)**

METABOLISM

Nerve sheath myxoma. An immunohistochemical study of a case. Nogita T, et al. **Dermatologica** 1990;181(4):317–9 (19 ref.)

PATHOLOGY

Ovarian myxoma: clinicopathologic and immunocytologic analysis of five cases and a review of the literature. Eichhorn JH, et al. **Int J Gynecol Pathol** 1991;10(2):156–69 (36 ref.)

Left atrial myxoma. Misra GC, et al. **J Assoc Physicians India** 1990 Sep;38(9):652–3 (4 ref.)

[Histopathologic study of cardiac myxoma. Apropos of 80 surgical cases] Loire R, et al. **Arch Anat Cytol Pathol** 1991; 39(1–2):5–13 (33 ref.) (Eng. Abstr.) **(Fre)**

[Is there a carcinologic malignant potentiality of cardiac myxoma?] Loire R. **Arch Mal Coeur Vaiss** 1991 Mar; 84(3):395–9 (35 ref.) (Eng. Abstr.) **(Fre)**

[Myxoma of the nerve sheath. Apropos of a case] Terrier JP, et al. **Rev Stomatol Chir Maxillofac** 1990;91(5):379–84 (36 ref.) (Eng. Abstr.) **(Fre)**

SECONDARY

Left atrial myxoma metastasizing to the aorta, with intraluminal growth causing renovascular hypertension. Kotani K, et al. **Cardiology** 1991;78(1):72–7 (20 ref.)

SURGERY

[Recurrence of intracardiac myxoma. A propos of 6 patients among 85 surgically treated] Loire R, et al. **Ann Cardiol Angeiol (Paris)** 1991 Jan;40(1):1–7 (42 ref.) (Eng. Abstr.) **(Fre)**

[A case of right atrial myxoma, originating from the eustachian valve] Nakamura M, et al. **Kyobu Geka** 1990 Oct;43(11):920–3 (15 ref.) (Eng. Abstr.) **(Jpn)**

[A case of infected left atrial myxoma] Kouzu S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jan;39(1):98–102 (16 ref.) (Eng. Abstr.) **(Jpn)**

MYXOMYCETES see **MYXOMYCOTA**

MYXOMYCOTA

ENZYMOLOGY

Regulation of cysteine proteinases during different pathways of differentiation in cellular slime molds. North MJ, et al. **Dev Genet** 1991;12(1–2):154–62 (29 ref.)

MYXOVIRUS INFLUENZAE-A HOMINIS see **ORTHOMYXOVIRUS TYPE A, HUMAN**

MYXOVIRUSES see **ORTHOMYXOVIRIDAE**

N-CADHERINS see **CADHERINS**

N-MYC GENES see **GENES, MYC**

N-MYC PROTEINS see **PROTO-ONCOGENE PROTEINS C-MYC**

N-RAS GENES see **GENES, RAS**

NA 872 see **AMBROXOL**

NAD

BIOSYNTHESIS

Significance of V-factor dependency in the taxonomy of Haemophilus species and related organisms. Niven DF, et al. **Int J Syst Bacteriol** 1990 Jan;40(1):1–4 (48 ref.)

NAD+ ADP-RIBOSYLTRANSFERASE see **POLY ADP RIBOSE POLYMERASE**

NAD(P)H DEHYDROGENASES(QUINONE) see **QUINONE REDUCTASES**

NADH CYTOCHROME C REDUCTASE see **NADH DEHYDROGENASE**

NADH DEHYDROGENASE

METABOLISM

The reactions of the oxidase and reductases of Paracoccus denitrificans with cytochromes c. Smith L, et al. **J Bioenerg Biomembr** 1991 Apr;23(2):303–19 (65 ref.)

The cytochrome c reductase/oxidase respiratory pathway of Paracoccus denitrificans: genetic and functional studies. Steinrücke P, et al. **J Bioenerg Biomembr** 1991 Apr; 23(2):227–39 (33 ref.)

PHYSIOLOGY

The respiratory-chain NADH dehydrogenase (complex I) of mitochondria. Weiss H, et al. **Eur J Biochem** 1991 May 8;197(3):563–76 (177 ref.)

[Roles of cytochromes and H+ translocation in bacterial respiratory complexes] Sone N. **Tanpakushitsu Kakusan Koso** 1991 Apr;36(5):798–813 (92 ref.) **(Jpn)**

ULTRASTRUCTURE

Electron microscopy and image analysis of the complexes I and V of the mitochondrial respiratory chain. Brink J, et al. **Electron Microsc Rev** 1988;1(2):175–99 (121 ref.)

NADH, NADPH OXIDOREDUCTASES

BLOOD

Inhibitors of NADPH oxidase as guides to its mechanism. Jones OT, et al. **Biochem Soc Trans** 1991 Feb;19(1):70–2 (21 ref.)

CHEMISTRY

Preliminary crystallographic analysis of trypanothione reductase from Crithidia fasciculata. Kuriyan J, et al. **J Mol Biol** 1990 Oct 5;215(3):335–7 (20 ref.)

GENETICS

Studies on the gene expression of several NADPH oxidase components. Cassatella MA, et al. **Biochem Soc Trans** 1991 Feb;19(1):63–7 (28 ref.)

Molecular basis of chronic granulomatous disease. Smith RM, et al. **Blood** 1991 Feb 15;77(4):673–86 (124 ref.)

METABOLISM

Ovothiols: biological and chemical perspectives. Shapiro BM, et al. **Adv Enzymol Relat Areas Mol Biol** 1991;64:291–316 (61 ref.)

The respiratory burst oxidase and the molecular basis of chronic granulomatous disease. Babior BM. **Am J Hematol** 1991 Aug;37(4):263–6 (54 ref.)

Control of motility, exocytosis and the respiratory burst in human neutrophils. Baggiolini M, et al. **Biochem Soc Trans** 1991 Feb;19(1):55–9 (54 ref.)

Deactivation of the subcellular NADPH oxidase and its relationship to termination of the respiratory burst. Eklund EA, et al. **Biochem Soc Trans** 1991 Feb;19(1):51–4 (32 ref.)

Components of the microbicidal oxidase of phagocytes. Segal AW. **Biochem Soc Trans** 1991 Feb;19(1):49–50 (19 ref.)

NADH oxidase of plasma membranes. Morré DJ, et al. **J Bioenerg Biomembr** 1991 Jun;23(3):469–89 (67 ref.)

NADPH CYTOCHROME C REDUCTASE

GENETICS

An unusual yet strongly conserved flavoprotein reductase in bacteria and mammals. Porter TD. **Trends Biochem Sci** 1991 Apr;16(4):154–8 (30 ref.)

METABOLISM

Drug metabolizing enzymes in the brain and cerebral microvessels. Minn A, et al. **Brain Res Brain Res Rev** 1991 Jan–Apr;16(1):65–82 (182 ref.)

NADPH CYTOCHROME P-450 REDUCTASE see **NADPH CYTOCHROME C REDUCTASE**

NAEGLERIA

[Free-living amoebae of the Naegleria and Acanthamoeba genus] Kranjčić-Zec I. **Srp Arh Celok Lek** 1990 Jul–Aug; 118(7–8):307–11 (22 ref.) (Eng. Abstr.) **(Sec)**

GENETICS

Genome structure and evolution of Naegleria and its relatives. Clark CG. **J Protozool** 1990 Jul–Aug;37(4):2S–6S (33 ref.)

PATHOGENICITY

Free-living amoebae: pathogenicity and immunity. Ferrante A. **Parasite Immunol** 1991 Jan;13(1):31–47 (93 ref.)

NAIL BITING

Nailbiting. Leung AK, et al. **Clin Pediatr (Phila)** 1990 Dec; 29(12):690–2 (14 ref.)

NAIL DISEASES

Nail disorders in children. Pappert AS, et al. **Pediatr Clin North Am** 1991 Aug;38(4):921–40 (103 ref.)

[Achromic ungual melanoma. Apropos of a case] Filloux JF, et al. **Ann Chir Main Memb Super** 1991;10(2):181–3 (18 ref.) (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Transverse striate leukonychia associated with cancer chemotherapy. Hogan PA, et al. **Pediatr Dermatol** 1991 Mar;8(1):67–8 (22 ref.)

Common and uncommon reactions to formaldehyde-containing nail hardeners. Norton LA. **Semin Dermatol** 1991 Mar;10(1):29–33 (19 ref.)

CLASSIFICATION

Leukonychia. Review and classification. Grossman M, et al. **Int J Dermatol** 1990 Oct;29(8):535–41 (63 ref.)

CONGENITAL

Pachyonychia congenita tarda. A late-onset form of pachyonychia congenita. Paller AS, et al. **Arch Dermatol** 1991 May;127(5):701–3 (18 ref.)

Congenital onychodysplasia of the index fingers: a case involving the thumbnails. Kikuchi I. **Semin Dermatol** 1991 Mar;10(1):7–11 (21 ref.)

Congenital and hereditary nail disorders. Telfer NR. **Semin Dermatol** 1991 Mar;10(1):2–6 (21 ref.)

DIAGNOSIS

[Barré-Masson glomus tumors] Kurguzov OP, et al. **Khirurgiia (Mosk)** 1991 Mar;(3):134–41 (114 ref.) **(Rus)**

ETIOLOGY

Onycholysis: an overview. Daniel CR 3d. **Semin Dermatol** 1991 Mar;10(1):34–40 (44 ref.)

Fungal infections of the nail. Haneke E. **Semin Dermatol** 1991 Mar;10(1):41–53 (75 ref.)

Nail changes in cutaneous disease. Kvedar JC, et al. **Semin Dermatol** 1991 Mar;10(1):65–70 (27 ref.)

Significance of nail changes in leprosy: a clinical review of 357 cases. Patki AH, et al. **Semin Dermatol** 1991 Mar; 10(1):77–81 (19 ref.)

Brittle nails. Scher RK, et al. **Semin Dermatol** 1991 Mar; 10(1):21–5 (19 ref.)

The nail apparatus in collagen disorders. Tosti A. **Semin Dermatol** 1991 Mar;10(1):71–6 (34 ref.)

Leukonychias. Zaun H. **Semin Dermatol** 1991 Mar; 10(1):17–20 (19 ref.)

PATHOLOGY

Biopsies of nails. Melanonychia striata in longitudinem. Tom DW, et al. **Am J Dermatopathol** 1985;7 Suppl:161–3 (19 ref.)

Nails in light and electron microscopy. Achten G, et al. **Semin Dermatol** 1991 Mar;10(1):54–64 (33 ref.)

[Subungual keratoacanthoma] Evole Buselli M, et al. **Med Cutan Ibero Lat Am** 1990;18(2):145–7 (13 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

[Surgical interventions of the nail organ] Kirchhoff A, et al. **Z Hautkr** 1990 Oct;65(10):890–2, 895 (11 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Nail cosmetics. Barnett JM, et al. **Dermatol Clin** 1991 Jan; 9(1):9–17 (32 ref.)

NAILING, INTRAMEDULLARY see **FRACTURE FIXATION, INTRAMEDULLARY**

NAILS

ABNORMALITIES

Nail disorders in children. Pappert AS, et al. **Pediatr Clin North Am** 1991 Aug;38(4):921–40 (103 ref.)

Onycholysis: an overview. Daniel CR 3d. **Semin Dermatol** 1991 Mar;10(1):34–40 (44 ref.)

Nail abnormalities. Dawber RP, et al. **Semin Dermatol** 1988 Mar;7(1):73–9 (50 ref.)

Congenital onychodysplasia of the index fingers: a case involving the thumbnails. Kikuchi I. **Semin Dermatol** 1991 Mar;10(1):7–11 (21 ref.)

Nail changes in cutaneous disease. Kvedar JC, et al. **Semin Dermatol** 1991 Mar;10(1):65–70 (27 ref.)

Brittle nails. Scher RK, et al. **Semin Dermatol** 1991 Mar; 10(1):21–5 (19 ref.)

Congenital and hereditary nail disorders. Telfer NR. **Semin Dermatol** 1991 Mar;10(1):2–6 (21 ref.)

Leukonychias. Zaun H. **Semin Dermatol** 1991 Mar; 10(1):17–20 (19 ref.)

BLOOD SUPPLY

The nail apparatus in collagen disorders. Tosti A. **Semin Dermatol** 1991 Mar;10(1):71–6 (34 ref.)

[Barré-Masson glomus tumors] Kurguzov OP, et al. **Khirurgiia (Mosk)** 1991 Mar;(3):134–41 (114 ref.) **(Rus)**

CHEMISTRY

Selenium content of toenails reflects dietary intake. **Nutr Rev** 1991 Jan;49(1):28–30 (10 ref.)

SURGERY

Onychomycosis. Degreef H. **Br J Clin Pract Symp Suppl** 1990 Sep;71:91–7 (21 ref.)

ULTRASTRUCTURE

Nails in light and electron microscopy. Achten G, et al.

NAILS

Semin Dermatol 1991 Mar;10(1):54–64 (33 ref.)

NAILS, INGROWN

SURGERY

[Surgical interventions of the nail organ] Kirchhoff A, et al. **Z Hautkr** 1990 Oct;65(10):890–2, 895 (11 ref.) (Eng. Abstr.) **(Ger)**

NAILS, MALFORMED

CONGENITAL

Congenital malalignment of the great toenails: case report and literature review. Cohen PR. **Pediatr Dermatol** 1991 Mar;8(1):43–5 (22 ref.)

[Multiple trichoepithelioma and congenital nail dystrophy in 2 brothers] Yedomon HG, et al. **Ann Dermatol Venereol** 1991;118(2):119–20 (8 ref.) **(Fre)**

SURGERY

Burring technique in modern podiatric palliative care. Master G, et al. **J Am Podiatr Med Assoc** 1990 Dec;80(12):649–52 (9 ref.)

[Surgical interventions of the nail organ] Kirchhoff A, et al. **Z Hautkr** 1990 Oct;65(10):890–2, 895 (11 ref.) (Eng. Abstr.) **(Ger)**

NAJA VENOMS see **COBRA VENOMS**

NALOXONE

PHARMACOLOGY

Facilitation of memory by peripheral administration of substance P and naloxone using avoidance and habituation learning tasks. Tomaz C, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):447–53 (43 ref.)

THERAPEUTIC USE

Dextromethorphan poisoning reversed by naloxone. Schneider SM, et al. **Am J Emerg Med** 1991 May;9(3):237–8 (8 ref.)

[Prevention by naloxone of adverse effects of epidural morphine analgesia for cancer pain] Vedrenne JB, et al. **Ann Fr Anesth Reanim** 1991;10(2):98–103 (27 ref.) (Eng. Abstr.) **(Fre)**

NALTREXONE

PHARMACOLOGY

Preclinical evaluation of the effects of buprenorphine, naltrexone and desipramine on cocaine self-administration. Mello NK. **NIDA Res Monogr** 1991;105:189–95 (7 ref.)

THERAPEUTIC USE

[Clonidine–naltrexone: a new technic for the detoxification of opiate addicts] Oliveros SC, et al. **Med Clin (Barc)** 1990 Nov 10;95(16):627–9 (19 ref.) **(Spa)**

NANISM see **DWARFISM**

NANNIZZIA see **MICROSPORUM**

NAPHTHALENEACETIC ACIDS

PHARMACOLOGY

WY-50,295 tromethamine: a novel inhibitor of leukotriene-mediated reactions. Weichman BM, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21A:477–80 (4 ref.)

NAPHTHALENEDIONES see **NAPHTHOQUINONES**

NAPHTHALENES

PHARMACOLOGY

Clinical pharmacology of pravastatin, a selective inhibitor of HMG-CoA reductase. Pan HY. **Eur J Clin Pharmacol** 1991;40 Suppl 1:S15–8 (14 ref.)

Pharmacology of the allylamines. Birnbaum JE. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 2):782–5 (15 ref.)

Synthetic and biological studies of potential affinity ligands for the cannabinoid receptor based on CP-55, 244. Richardson S, et al. **NIDA Res Monogr** 1991;105:140–6 (0 ref.)

NAPHTHOQUINONES

CHEMISTRY

Naphthoquinone pigments related to fusarubin from the fungus Fusarium solani (Mart.) Sacc. Parisot D, et al. **Microbios** 1990;64(258):31–47 (90 ref.)

1-NAPHTHYLAMINE

ANALOGS & DERIVATIVES

The effects of sertraline on psychomotor performance in elderly volunteers. Hindmarch I, et al. **J Clin Psychiatry** 1990 Dec;51 Suppl B:34–6 (9 ref.)

Preclinical pharmacology of sertraline: a potent and specific inhibitor of serotonin reuptake. Koe BK. **J Clin Psychiatry** 1990 Dec;51 Suppl B:13–7 (24 ref.)

NAPHURIDE see **SURAMIN**

NAPROXEN

ADVERSE EFFECTS

NSAID gastropathy. The central issue. Roth SH. **Drugs** 1990; 40 Suppl 5:25–8 (12 ref.)

NARCISSISM

Paranoid phenomena and pathological narcissism. Garfield D, et al. **Am J Psychother** 1991 Apr;45(2):160–72 (33 ref.)

Instrumental narcissism in parents. Elkind D. **Bull Menninger Clin** 1991 Summer;55(3):299–307 (23 ref.)

NARCOLEPSY

DRUG THERAPY

L-tyrosine in the treatment of narcolepsy. Roufs JB. **Med Hypotheses** 1990 Dec;33(4):269–73 (56 ref.)

METABOLISM

A model for narcolepsy. Mamelak M. **Can J Psychol** 1991 Jun;45(2):194–220 (189 ref.)

PHYSIOPATHOLOGY

The neurobiology of narcolepsy. Aldrich MS. **Trends Neurosci** 1991 Jun;14(6):235–9 (42 ref.)

NARCOTIC ANALGESICS see **ANALGESICS, ADDICTIVE**

NARCOTIC ANTAGONISTS

Abuse liability studies of opioid agonist–antagonists in humans. Preston KL, et al. **Drug Alcohol Depend** 1991 Jun; 28(1):49–82 (65 ref.)

FMRF-NH2-like peptides antiopiates. Yang HY, et al. **NIDA Res Monogr** 1991;105:257–63 (24 ref.)

PHARMACOLOGY

Recovery from anesthesia. Opioid antagonists. Alfillé PH, et al. **Int Anesthesiol Clin** 1991 Spring;29(2):83–92 (31 ref.)

Opium alkaloids and affinity labels. Archer S, et al. **NIDA Res Monogr** 1990;96:21–34 (20 ref.)

Cocaine receptor—design of ligands. Carroll FI, et al. **NIDA Res Monogr** 1990;96:112–21 (15 ref.)

Neuroendocrine (HPA) and gastrointestinal effects of opiate antagonists: possible therapeutic application. Kreek MJ, et al. **NIDA Res Monogr** 1991;105:168–74 (30 ref.)

The bivalent ligand approach in the design of highly selective opioid receptor antagonists. Portoghese PS. **NIDA Res Monogr** 1990;96:3–20 (23 ref.)

Opioid antagonists: structure activity relationships. Zimmerman DM, et al. **NIDA Res Monogr** 1990;96:50–60 (25 ref.)

THERAPEUTIC USE

Opiate antagonists and anti-HIV agents. Hahn EF. **NIDA Res Monogr** 1990;96:80–99 (45 ref.)

NARCOTIC CONTROL see **DRUG AND NARCOTIC CONTROL**

NARCOTIC DEPENDENCE

Narcotic use in pregnancy. Hoegerman G, et al. **Clin Perinatol** 1991 Mar;18(1):51–76 (87 ref.)

[Recent progress in opioid tolerance and dependence] Chen JQ, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct; 21(4):337–9 (35 ref.) **(Chi)**

COMPLICATIONS

Scientific foundation of clinical practice: opiate use in pregnant women. Finnegan LP, et al. **Bull N Y Acad Med** 1991 May-Jun;67(3):223–39 (20 ref.)

DRUG THERAPY

FMRF-NH2 like mammalian octapeptide in opiate dependence and withdrawal. Malin DH, et al. **NIDA Res Monogr** 1991;105:271–7 (12 ref.)

[The role of methadone in the treatment of opiate addicts: current findings in the literature] Matot JP, et al. **Rev Med Brux** 1991 Jan-Feb;12(1-2):3–8 (32 ref.) (Eng. Abstr.) **(Fre)**

[Clonidine–naltrexone: a new technic for the detoxification of opiate addicts] Oliveros SC, et al. **Med Clin (Barc)** 1990 Nov 10;95(16):627–9 (19 ref.) **(Spa)**

EPIDEMIOLOGY

[Use of alcohol and narcotics among Danish adolescents in the 1980's] Nielsen HW, et al. **Ugeskr Laeger** 1991 Apr 22;153(17):1189–93 (17 ref.) (Eng. Abstr.) **(Dan)**

REHABILITATION

Cue exposure and relapse prevention in the treatment of addictive behaviors. Marlatt GA. **Addict Behav** 1990; 15(4):395–9 (10 ref.)

The effects of exposure to drug-related cues in detoxified opiate addicts: a theoretical review and some new data. Powell J, et al. **Addict Behav** 1990;15(4):339–54 (67 ref.)

Buprenorphine: beyond methadone? Rosen MI, et al. **Hosp Community Psychiatry** 1991 Apr;42(4):347–9 (12 ref.)

[The abstinence paradigm, is it fiction?] Bschor F. **Verh Dtsch Ges Inn Med** 1990;96:588–95 (17 ref.) **(Ger)**

THERAPY

Can a technology model of psychotherapy research be applied to cocaine abuse treatment? Carroll K, et al. **NIDA Res Monogr** 1990;104:91–104 (37 ref.)

NARCOTIC LAWS see **LEGISLATION, DRUG**

NARCOTIC RECEPTORS see **RECEPTORS, ENDORPHIN**

NARCOTICS

see related
ANALGESICS, ADDICTIVE
SUBSTANCE DEPENDENCE

Substance abuse: the designer drugs. Beebe DK, et al. **Am Fam Physician** 1991 May;43(5):1689–98 (30 ref.)

Epidural opioids in obstetrics—a review. Westmore MD. **Anaesth Intensive Care** 1990 Aug;18(3):292–300 (64 ref.)

Scientific foundation of clinical practice: opiate use in pregnant women. Finnegan LP, et al. **Bull N Y Acad Med** 1991 May-Jun;67(3):223–39 (20 ref.)

Abuse liability studies of opioid agonist–antagonists in humans. Preston KL, et al. **Drug Alcohol Depend** 1991 Jun; 28(1):49–82 (65 ref.)

Clinical–behavioral observations of the long-term effects of drug abuse. Woody GE, et al. **NIDA Res Monogr** 1990; 101:71–85 (18 ref.)

[Recent progress in opioid tolerance and dependence] Chen JQ, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct; 21(4):337–9 (35 ref.) **(Chi)**

ADMINISTRATION & DOSAGE

Epidural narcotics for postoperative pain: nursing implications. McNair ND. **J Neurosci Nurs** 1990 Oct; 22(5):275–9 (20 ref.)

Rectal, buccal, and sublingual narcotics for the management of cancer pain. Ripamonti C, et al. **J Palliat Care** 1991 Spring;7(1):30–5 (42 ref.)

[Rectal administration of drugs. Fundamentals and applications in anesthesia] Jantzen JP, et al. **Anaesthesist** 1991 May;40(5):251–61 (103 ref.) (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Opioids and other analgesics. Adverse effects in the intensive care unit. Buck ML, et al. **Crit Care Clin** 1991 Jul; 7(3):615–37 (138 ref.)

Cranial electrostimulation (CES) use in the detoxification of opiate-dependent patients. Alling FA, et al. **J Subst Abuse Treat** 1990;7(3):173–80 (57 ref.)

CHEMICAL SYNTHESIS

Development of delta opioid peptides as nonaddicting analgesics. Rapaka RS, et al. **Pharm Res** 1991 Jan;8(1):1–8 (88 ref.)

CHEMISTRY

Evolution of the 4-anilidopiperidine class of opioid analgesics. Bagley JR, et al. **Med Res Rev** 1991 Jul; 11(4):403–36 (80 ref.)

IMMUNOLOGY

Opioid peptides, receptors, and immune function. Bhargava HN. **NIDA Res Monogr** 1990;96:220–33 (65 ref.)

Drug abuse and AIDS: causes for the connection. Donahoe RM. **NIDA Res Monogr** 1990;96:181–91 (28 ref.)

PHARMACOLOGY

Differential roles of opioid receptors in respiration, respiratory disease, and opiate-induced respiratory depression. Shook JE, et al. **Am Rev Respir Dis** 1990 Oct; 142(4):895–909 (239 ref.)

Intestinal contractions: excitatory actions of opioids. Burks TF, et al. **NIDA Res Monogr** 1991;105:20–6 (26 ref.)

Opioids can evoke direct receptor-mediated excitatory as well as inhibitory effects on sensory neuron action potentials. Crain SM, et al. **NIDA Res Monogr** 1991; 105:34–9 (21 ref.)

Immune effects of opiates in test tubes and monkeys.

Donahoe RM. **NIDA Res Monogr** 1991;105:89–95 (20 ref.)
Neural control of immune function: opioids, opioid receptors and immunosuppression. Weber RJ, et al. **NIDA Res Monogr** 1991;105:96–102 (0 ref.)
Evaluation of new compounds for opioid activity (1990). Woods JH, et al. **NIDA Res Monogr** 1991;105:682–724 (23 ref.)
Opiate receptors: search for new drugs. Kolb VM. **Prog Drug Res** 1991;36:49–70 (92 ref.)
[Molecular mechanisms of cytotoxicity of narcotic drugs] Pirozhkov SV, et al. **Vopr Med Khim** 1991 Mar–Apr; 37(2):2–10 (66 ref.) **(Rus)**

THERAPEUTIC USE

Gastrointestinal receptors and drugs in motility disorders. Ruoff HJ, et al. **Digestion** 1991;48(1):1–17 (132 ref.)
Treatment options for the relief of pain during childbirth. Brownridge P. **Drugs** 1991 Jan;41(1):69–80 (32 ref.)
New advances in anesthesia. Waugaman WR, et al. **Nurs Clin North Am** 1991 Jun;26(2):451–61 (38 ref.)
Opiate-resistant pain: a therapeutic dilemma. MacDonald N. **Recent Results Cancer Res** 1991;121:24–35 (29 ref.)
Is the therapeutic use of opioids adversely affected by prejudice and law? Zenz M, et al. **Recent Results Cancer Res** 1991;121:43–50 (17 ref.)

TOXICITY

Animal models of opiate, cocaine, and cannabis use. Hutchings DE, et al. **Clin Perinatol** 1991 Mar;18(1):1–22 (55 ref.)

NASAL BONE

ANATOMY & HISTOLOGY

Anatomy of the nasal cavities. Walike JW. **Otolaryngol Clin North Am** 1973 Oct;6(3):609–21 (5 ref.)

INJURIES

Management of complicated fractures involving the orbits and nasoethmoid complex in young children. Crockett DM, et al. **Otolaryngol Clin North Am** 1991 Feb;24(1):119–37 (22 ref.)
Management of nasal fractures. Renner GJ. **Otolaryngol Clin North Am** 1991 Feb;24(1):195–213 (15 ref.)

SURGERY

Nasal base, maxillary, and infraorbital implants--alloplastic. Hinderer UT. **Clin Plast Surg** 1991 Jan;18(1):87–105 (52 ref.)
[Implants in reconstructive surgery of the nasal bone] Trybus M. **Polim Med** 1990;20(1–4):15–23 (57 ref.) (Eng. Abstr.) **(Pol)**

NASAL CAVITY

Mainstem bronchial obstruction secondary to nasotracheal intubation: a case report and review of the literature. Knuth TE, et al. **Anesth Analg** 1991 Oct;73(4):487–9 (12 ref.)
Extramedullary nasal plasmacytoma. Navarrete ML, et al. **J Laryngol Otol** 1991 Jan;105(1):41–3 (19 ref.)
Neoplasms of the nasal cavity. Bortnick E. **Otolaryngol Clin North Am** 1973 Oct;6(3):801–12 (9 ref.)
Unusual nasal tumors. Problems in diagnosis and treatment. Ogura JH, et al. **Otolaryngol Clin North Am** 1973 Oct; 6(3):813–37 (50 ref.)

ANATOMY & HISTOLOGY

Anatomy of the nasal cavities. Walike JW. **Otolaryngol Clin North Am** 1973 Oct;6(3):609–21 (5 ref.)

MICROBIOLOGY

Nasal carriage of MRSA: the role of mupirocin and outlook for resistance. Hill RL, et al. **Drugs Exp Clin Res** 1990; 16(8):397–402 (56 ref.)

PATHOLOGY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the nasal cavity. Schuller HM, et al. **IARC Sci Publ** 1990;(99):259–74 (33 ref.)
Vascular leiomyoma of the nasal cavity: report of a case and review of literature. Ragbeer MS, et al. **J Oral Maxillofac Surg** 1990 Oct;48(10):1113–7 (12 ref.)
Rhinoscopy. McCarthy TC, et al. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1265–90 (1 ref.)

PHYSIOLOGY

Rhinomanometry. Kern EB. **Otolaryngol Clin North Am** 1973 Oct;6(3):863–74 (17 ref.)

SURGERY

Nasolacrimal obstruction after inferior meatus nasal antrostomy. Meyers AD, et al. **Arch Otolaryngol Head Neck Surg** 1991 Feb;117(2):208–11 (16 ref.)

NASAL DECONGESTANTS see **VASOCONSTRICTOR AGENTS, NASAL**

NASAL MUCOSA

IMMUNOLOGY

[Rhino-sinusal immunology] Moneret-Vautrin DA, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991;112(1):33–9 (63 ref.) (Eng. Abstr.) **(Fre)**

INNERVATION

The nasal vasomotor reaction. Taylor M. **Otolaryngol Clin North Am** 1973 Oct;6(3):645–54 (16 ref.)

PHYSIOLOGY

Sensory and motor reflex control of nasal mucosal blood flow and secretion; clinical implications in non-allergic nasal hyperreactivity. Stjärne P. **Acta Physiol Scand Suppl** 1991;600:1–64 (150 ref.)
Plasma exudation as a first line respiratory mucosal defence. Persson CG, et al. **Clin Exp Allergy** 1991 Jan;21(1):17–24 (40 ref.)

PHYSIOPATHOLOGY

Plasma exudation in tracheobronchial and nasal airways: a mucosal defence mechanism becomes pathogenic in asthma and rhinitis. Persson CG. **Eur Respir J Suppl** 1990 Dec; 12:652s–656s; discussion 656s–657s (27 ref.)
[Allergic provocation test of the nasal mucosa in children] Delacourt C, et al. **Arch Fr Pediatr** 1990 Aug–Sep; 47(7):525–30 (77 ref.) **(Fre)**

RADIONUCLIDE IMAGING

Nasal transit time in normal subjects and pathologic conditions. Englender M, et al. **Otolaryngol Head Neck Surg** 1990 Dec;103(6):909–12 (18 ref.)

SECRETION

Human nasal respiratory secretions and host defense. Kaliner MA. **Am Rev Respir Dis** 1991 Sep;144(3 Pt 2):S52–6 (39 ref.)
Neuropeptides and nasal secretion. Baraniuk JN, et al. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 2):620–7 (78 ref.)
[Advances in the research on mediators in nasal secretions] Gu Z, et al. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1989;24(2):112–5 (21 ref.) **(Chi)**

NASAL OBSTRUCTION

COMPLICATIONS

Upper airway obstruction and craniofacial morphology. Principato JJ. **Otolaryngol Head Neck Surg** 1991 Jun; 104(6):881–90 (58 ref.)

ETIOLOGY

Ectodermal dysplasia: the otolaryngologic manifestations and management. Siegel MB, et al. **Int J Pediatr Otorhinolaryngol** 1990 Aug;19(3):265–71 (12 ref.)
The "stuffy" nose. May M, et al. **Otolaryngol Clin North Am** 1973 Oct;6(3):655–74 (19 ref.)

NASAL POLYPS

Nasal polyps. State of the art. Settipane GA, et al. **Rhinol Suppl** 1991;11:33–6 (10 ref.)
[Nasal polyps] Yin M. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1991;26(3):166–9 (22 ref.) **(Chi)**

COMPLICATIONS

Upper respiratory disease, sinusitis, and polyposis. King VV. **Clin Rev Allergy** 1991 Spring–Summer;9(1–2):143–57 (38 ref.)

DRUG THERAPY

Sheldon Memorial Lecture. Medical management of nasal polyps and sinusitis. Slavin RG. **J Allergy Clin Immunol** 1991 Aug;88(2):141–6 (26 ref.)

ETIOLOGY

Nasal polyposis. Kirsch JP, et al. **J La State Med Soc** 1990 Dec;142(12):11–4 (9 ref.)

SURGERY

[Post-operative recurrence of naso-sinus polyposis] Meloni F, et al. **Acta Otorhinolaryngol Ital** 1990 Mar–Apr; 10(2):173–9 (17 ref.) (Eng. Abstr.) **(Ita)**

NASAL PROVOCATION TESTS

[Allergic provocation test of the nasal mucosa in children] Delacourt C, et al. **Arch Fr Pediatr** 1990 Aug–Sep; 47(7):525–30 (77 ref.) **(Fre)**
[Occupational asthma and rhinitis: challenge tests and nasal hyperactivity: present practice and future perspectives] Grosclaude M, et al. **J Toxicol Clin Exp** 1989;9(1 Suppl Pt 2):7–13 (6 ref.) (Eng. Abstr.) **(Fre)**
[Diagnosis of allergic rhinitis. I. Anamnesis--ENT medical examination--skin tests--intranasal provocation] Albegger K. **HNO** 1991 Mar;39(3):77–81 (0 ref.) (Eng. Abstr.) **(Ger)**

NASAL SEPTUM

Inverted papillomas of the nasal septum. Bacon CK, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1990;42:1008–13 (28 ref.)

PHYSIOLOGY

Sensory processing in the main and accessory olfactory systems: comparisons and contrasts. Meredith M. **J Steroid Biochem Mol Biol** 1991 Oct;39(4B):601–14 (125 ref.)
Consequences of removing the vomeronasal organ. Wysocki CJ, et al. **J Steroid Biochem Mol Biol** 1991 Oct; 39(4B):661–9 (51 ref.)

SURGERY

Nasal septoplasty. Beekhuis GJ. **Otolaryngol Clin North Am** 1973 Oct;6(3):693–710 (15 ref.)
Submucous operations on the nasal septum. Bernstein L. **Otolaryngol Clin North Am** 1973 Oct;6(3):675–92 (14 ref.)
Septorhinoplasty in children. Farrior RT, et al. **Otolaryngol Clin North Am** 1970 Jun;3(2):345–64 (25 ref.)
Septal dermoplasty for hereditary telangiectasia and other conditions. Saunders WH. **Otolaryngol Clin North Am** 1973 Oct;6(3):745–55 (7 ref.)
Septal perforations. Tardy ME Jr. **Otolaryngol Clin North Am** 1973 Oct;6(3):711–3 (3 ref.)

NASAL SINUSES see **PARANASAL SINUSES**

NASOLACRIMAL DUCT

ABNORMALITIES

Congenital nasolacrimal duct obstruction. Ogawa GS, et al. **J Pediatr** 1991 Jul;119(1 (Pt 1)):12–7 (37 ref.)

INJURIES

Nasolacrimal injuries. Evaluation and management. Osguthorpe JD, et al. **Otolaryngol Clin North Am** 1991 Feb;24(1):59–78 (27 ref.)
[Lacrimal duct injury] Fayet B. **J Fr Ophtalmol** 1990; 13(4):227–43 (80 ref.) **(Fre)**

NASOPHARYNGEAL DISEASES

[Tuberculosis of the cavum, report of two cases] Marrakchi R, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990; 111(2):149–52 (11 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

[A case of epipharyngeal tuberculosis with tuberculosis otitis media] Kawahara T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1990 Aug;93(8):1222–6 (17 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

New developments in magnetic resonance imaging of the nasopharynx and face. Vogl TJ, et al. **Curr Opin Radiol** 1991 Feb;3(1):61–6 (10 ref.)
Magnetic resonance imaging of the nasopharynx. Lanzieri CF, et al. **Top Magn Reson Imaging** 1990 Sep;2(4):39–47 (8 ref.)

NASOPHARYNGEAL NEOPLASMS

[Nasopharyngeal cancer and pregnancy. Review of the literature. Report of a case] Sevray B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991;20(3):431–5 (11 ref.) (Eng. Abstr.) **(Fre)**
[Juvenile nasopharyngeal angiofibroma. Apropos of a case] de Miguel García F, et al. **Acta Otorrinolaringol Esp** 1990 May–Jun;41(3):200–4 (29 ref.) (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

[Rhabdomyosarcoma of the nasopharynx occurring with immunosuppressive treatment with cyclosporin A. Apropos of a case] Piller P, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(1):38–40 (14 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Inverted squamous papilloma with neuro-ophthalmic features. Peterson IM, et al. **J Clin Neuro Ophthalmol** 1991 Mar;11(1):35–8 (8 ref.)

CONGENITAL

Congenital hairy polyp of the nasopharynx associated with cleft palate: report of two cases. Haddad J Jr, et al. **Int J Pediatr Otorhinolaryngol** 1990 Nov;20(2):127–35 (10 ref.)
Congenital nasopharyngeal teratoma in newborn: case report and review of literature. Jawad AJ, et al. **Z Kinderchir** 1990 Dec;45(6):375–8 (15 ref.)

NASOPHARYNGEAL NEOPLASMS

DIAGNOSIS

Imaging of the nasopharynx. Flanders AE, et al. **Crit Rev Diagn Imaging** 1991;31(3–4):357–411 (15 ref.)

DRUG THERAPY

Chemotherapy as part of the initial treatment for nasopharyngeal cancer. Harrison LB, et al. **Oncology (Williston Park)** 1991 Feb;5(2):67–70;discussion 70–1,74,79 passim (19 ref.)

EPIDEMIOLOGY

Epidemiologic evidence on the relationship between formaldehyde exposure and cancer. Blair A, et al. **Scand J Work Environ Health** 1990 Dec;16(6):381–93 (72 ref.)

ETIOLOGY

Diet and nasopharyngeal carcinoma. Yu MC. **FEMS Microbiol Immunol** 1990 Nov;2(4):235–42 (52 ref.)

MICROBIOLOGY

Viral oncogenesis: Epstein–Barr virus. Gaffey MJ, et al. **Am J Otolaryngol** 1990 Nov–Dec;11(6):375–81 (61 ref.)

MORTALITY

Nasopharyngeal carcinoma in children. Roper HP, et al. **Pediatr Hematol Oncol** 1986;3(2):143–52 (18 ref.)

PATHOLOGY

The use of biopsy in the evaluation of pediatric nasopharyngeal masses. Burkey B, et al. **Int J Pediatr Otorhinolaryngol** 1990 Nov;20(2):169–79 (18 ref.)

Hodgkin's disease in the nasopharynx. MacNaughton DM, et al. **J Otolaryngol** 1990 Aug;19(4):282–4 (15 ref.)

A proposed modification of the Ho stage–classification for nasopharyngeal carcinoma. Teo PM, et al. **Radiother Oncol** 1991 May;21(1):11–23 (24 ref.)

RADIOGRAPHY

Spontaneous regression of juvenile nasopharyngeal angiofibroma. Weprin LS, et al. **Arch Otolaryngol Head Neck Surg** 1991 Jul;117(7):796–9 (15 ref.)

RADIOTHERAPY

[Radiotherapy of carcinoma of the nasopharynx. Results and analysis of prognostic factors] Orecchia R, et al. **Radiol Med (Torino)** 1990 Oct;80(4):501–5 (31 ref.) (Eng. Abstr.) **(Ita)**

SURGERY

Surgical resection for recurrent nasopharynx cancer. Fee WE Jr. **Cancer Treat Res** 1990;52:55–9 (17 ref.)

Juvenile nasopharyngeal angiofibroma. Patterson CN. **Otolaryngol Clin North Am** 1973 Oct;6(3):839–61 (22 ref.)

THERAPY

Nasopharyngeal carcinoma. Fee WE Jr. **Curr Opin Oncol** 1990 Jun;2(3):585–8 (23 ref.)

Nasopharyngeal carcinoma. Biology, natural history, and therapeutic implications. Cvitkovic E, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):821–38 (128 ref.)

NASOPHARYNX

ANATOMY & HISTOLOGY

Imaging of the nasopharynx. Flanders AE, et al. **Crit Rev Diagn Imaging** 1991;31(3–4):357–411 (15 ref.)

PATHOLOGY

Magnetic resonance imaging of the nasopharynx. Lanzieri CF, et al. **Top Magn Reson Imaging** 1990 Sep;2(4):39–47 (8 ref.)

RADIOGRAPHY

Use of cephalometry in diagnosing resonance disorders. Jakhi SA, et al. **Am J Orthod Dentofacial Orthop** 1990 Oct; 98(4):323–32 (31 ref.)

NATIONAL HEALTH INSURANCE, NON-U.S. see **NATIONAL HEALTH PROGRAMS**

NATIONAL HEALTH INSURANCE, UNITED STATES

Physicians and national health insurance: some economic factors [see comments] Weil TP. **N Y State J Med** 1991 Jun;91(6):250–3 (33 ref.) Comment in: N Y State J Med 1991 Jun;91(6):236–7.

NATIONAL HEALTH POLICY see **HEALTH POLICY**

NATIONAL HEALTH PROGRAMS

Perspectives on rapid elimination and ultimate global eradication of paralytic poliomyelitis caused by polioviruses [published erratum appears in Eur J Epidemiol 1991 May;7(3):310] Sabin AB. **Eur J Epidemiol** 1991 Mar; 7(2):95–120 (87 ref.)

Mass screening for neuroblastoma in Japan. Sawada T, et al. **Pediatr Hematol Oncol** 1991 Apr–Jun;8(2):93–109 (49 ref.)

LEGISLATION & JURISPRUDENCE

The prospects for national health insurance reform. Belcher JR, et al. **Soc Work Health Care** 1991;15(3):101–19 (52 ref.)

ORGANIZATION & ADMINISTRATION

Managing medicine: a response to the 'crisis'. Hunter DJ. **Soc Sci Med** 1991;32(4):441–8 (37 ref.)

NATIONAL HEALTH SERVICE, BRITISH see **STATE MEDICINE**

NATIONAL HEALTH SERVICE CORPS see **MEDICALLY UNDERSERVED AREA**

NATIONAL INSTITUTE OF MENTAL HEALTH (U.S.)

An opinion piece: the consensus conference. Felton G. **J Prof Nurs** 1991 May–Jun;7(3):184–7 (4 ref.)

NATIONAL INSTITUTES OF HEALTH (U.S.)

Report of the Expert Panel on Population Strategies for Blood Cholesterol Reduction. A statement from the National Cholesterol Education Program, National Heart, Lung, and Blood Institute, National Institutes of Health. Carleton RA, et al. **Circulation** 1991 Jun;83(6):2154–232 (629 ref.)

NATIONALITY see **ETHNIC GROUPS**

NATRIURESIS

Blunted renal sodium excretion during acute saline loading in normotensive men with positive family histories of hypertension. Widgren BR, et al. **Am J Hypertens** 1991 Jul;4(7 Pt 1):570–8 (60 ref.)

DRUG EFFECTS

Natriuretic effects of calcium antagonists. Clinical implications. Zanchetti A, et al. **Drugs** 1990;40 Suppl 2:15–21 (17 ref.)

PHYSIOLOGY

[Atrial natriuretic peptide (ANP)—its action in the body as a hormone and neuropeptide] Czekalski S. **Acta Physiol Pol** 1989;40 Suppl 34:85–97 (71 ref.) **(Pol)**

NATRIURETIC FACTOR see **NATRIURETIC HORMONE**

NATRIURETIC HORMONE

PHYSIOLOGY

Endogenous natriuretic and ouabain–like factors. Their roles in body fluid volume and blood pressure regulation. Kramer HJ, et al. **Am J Hypertens** 1991 Jan;4(1 Pt 1):81–9 (49 ref.)

Natriuretic hormones. Wechter WJ, et al. **Prog Drug Res** 1990;34:231–60 (81 ref.)

NATRIURETIC PEPTIDES, ATRIAL

Atrial natriuretic factor and related peptide hormones. Rosenzweig A, et al. **Annu Rev Biochem** 1991;60:229–55 (179 ref.)

[The formation, elimination and physiologic effects of atrial natriuretic factor] Widimský J Jr, et al. **Cas Lek Cesk** 1991 Jan 4;130(1):7–10 (25 ref.) (Eng. Abstr.) **(Cze)**

[Atrial natriuretic factor in men] Mebazaa A, et al. **Ann Fr Anesth Reanim** 1991;10(2):179–90; discussion 207–8 (154 ref.) (Eng. Abstr.) **(Fre)**

[Atrial natriuretic factor. Current data and future perspectives] Michel JB, et al. **Arch Mal Coeur** 1990 Dec; 83(14):2111–21 (109 ref.) (Eng. Abstr.) **(Fre)**

[Atrial natriuretic factor (ANF): a hormone with multiple relationships] García Calzado MC, et al. **An Med Interna** 1990 Apr;7(4):203–11 (106 ref.) **(Spa)**

ANTAGONISTS & INHIBITORS

Neutral endopeptidase inhibitors and atrial natriuretic peptide. Achilihu G, et al. **J Clin Pharmacol** 1991 Aug; 31(8):758–62 (51 ref.)

BIOSYNTHESIS

[Various recent findings concerning the formation, mechanism of action and significance of atrial natriuretic peptides (atriopeptins)] Kolb E. **Z Gesamte Inn Med** 1990 Jul 1;45(13):365–9 (57 ref.) (Eng. Abstr.) **(Ger)**

BLOOD

Role of atrial natriuretic peptide in congestive heart failure due to chronic diabetes. Ganguly PK. **Can J Cardiol** 1991 Jul–Aug;7(6):275–80 (40 ref.)

Atrial natriuretic factor as a marker in congestive heart failure. Michel JB, et al. **Horm Res** 1990;34(3–4):166–8 (28 ref.)

Determination of plasma catecholamine and vasoactive peptide concentrations: clinical usefulness. Waeber B, et al. **Int J Rad Appl Instrum [B]** 1990;17(7):667–72 (25 ref.)

[Atrial natriuretic peptide and pregnancy induced hypertension] Liu F, et al. **Chung Hua Fu Chan Ko Tsa Chih** 1990 Nov;25(6):373–5 (20 ref.) **(Chi)**

[Atrial natriuretic factor in physiological conditions and pathological states] Fontana F, et al. **Clin Ter** 1990 Sep 30;134(6):371–82 (53 ref.) (Eng. Abstr.) **(Ita)**

[Atrial natriuretic peptide and the heart: new perspectives] Gutiérrez Marcos FM, et al. **Rev Clin Esp** 1991 May; 188(8):418–20 (33 ref.) **(Spa)**

METABOLISM

Internalization of endogenous and exogenous atrial natriuretic peptide by target tissues. Morel G, et al. **Electron Microsc Rev** 1988;1(2):221–59 (131 ref.)

Vascular receptors for atrial natriuretic peptide in hypertension. Schiffrin EL. **Int J Rad Appl Instrum [B]** 1990;17(7):673–6 (20 ref.)

Degradation and clearance of atrial natriuretic factors (ANF). Gerbes AL, et al. **Life Sci** 1990;47(14):1173–80 (105 ref.)

Enkephalinase (EC 3.4.24.11) inhibitors: protection of endogenous ANF against inactivation and potential therapeutic applications. Schwartz JC, et al. **Life Sci** 1990; 47(15):1279–97 (141 ref.)

PHARMACOLOGY

Atrial natriuretic factor: a protective role after acute renal ischaemia? A room for it in kidney transplantation? Gianello P. **Acta Chir Belg** 1990 Jul–Aug;90(4):143–50 (71 ref.)

Mechanisms of atrial natriuretic factor–induced vasodilation. Winquist RJ, et al. **Pharmacol Ther** 1990;48(3):417–26 (106 ref.)

Disturbances in volume regulating hormone system—a key to the pathogenesis of hypertension in obstructive sleep apnea syndrome? Ehlenz K, et al. **Pneumologie** 1991 May; 45 Suppl 1:239–45 (37 ref.)

[Endogenous natriuretic and ouabain–like factors. Their potential role in volume and blood pressure regulation] Kramer HJ, et al. **Klin Wochenschr** 1990 Nov 16; 68(22):1112–8 (47 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Regulatory peptides in the thyroid gland—a review on their localization and function. Ahrén B. **Acta Endocrinol (Copenh)** 1991 Mar;124(3):225–32 (82 ref.)

Comparative aspects of the endocrine myocardium. Aardal S, et al. **Acta Physiol Scand Suppl** 1991;599:31–46 (183 ref.)

The tenuous relationship between atriopeptin and sodium excretion. Goetz KL. **Acta Physiol Scand Suppl** 1990; 591:88–96 (22 ref.)

Regulation of proximal tubule sodium reabsorption by angiotensin II (AII) and atrial natriuretic factor (ANF). Harris PJ, et al. **Acta Physiol Scand Suppl** 1990;591:63–5 (24 ref.)

Mechanisms of release and renal action of atrial natriuretic factor. Sonnenberg H. **Acta Physiol Scand Suppl** 1990; 591:80–7 (29 ref.)

Atrial regulation of intravascular volume: observations on the tachycardia–polyuria syndrome. Zullo MA. **Am Heart J** 1991 Jul;122(1 (Pt 1)):188–94 (108 ref.)

Atrial natriuretic factor: the heart as an endocrine organ. Stephenson TJ, et al. **Arch Dis Child** 1990 Dec; 65(12):1293–4 (28 ref.)

Receptor regulation of atrial natriuretic factor. Chabrier PE, et al. **Blood Vessels** 1990;27(2–5):153–61 (37 ref.)

Cell biology of atrial natriuretic peptide. Huot C, et al. **Blood Vessels** 1991;28(1–3):84–92 (50 ref.)

Atrial natriuretic peptide (ANP) as a neuropeptide: interaction with angiotensin II on volume control and renal sodium handling. Unger T, et al. **Br J Clin Pharmacol** 1990; 30 Suppl 1:83S–88S (35 ref.)

Atrial natriuretic factor: physiologic actions and implications in congestive heart failure. Edwards BS, et al. **Cardiovasc Drugs Ther** 1987;1(1):89–100 (99 ref.)

Atrial natriuretic factor in chronic heart failure. Northridge DB, et al. **Herz** 1991 Apr;16(2):92–101 (93 ref.)

Current indications of plasma atrial natriuretic peptide measurements in human diseases. Dussaule JC, et al. **Horm Res** 1990;34(3–4):133–7 (30 ref.)

Role of atrial natriuretic peptides and neuropeptide Y in blood pressure regulation. Waeber B, et al. **Horm Res** 1990; 34(3–4):161–5 (31 ref.)

Modulation of the renin–angiotensin system by atrial natriuretic peptide. Johnston CI, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S43–6 (30 ref.)

Is atrial natriuretic factor a physiological regulator of sodium

excretion? A review of the evidence. Richards AM. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S39–42 (20 ref.)
Intra-renal interactions between angiotensin II and atrial natriuretic factor. Harris PJ, et al. **Kidney Int Suppl** 1990 Nov;30:S87–91 (24 ref.)
Neuroendocrinology of atrial natriuretic polypeptide in the brain. Ma LY, et al. **Neuroendocrinology** 1991;53 Suppl 1:12–7 (49 ref.)
Atrial natriuretic peptide in the central nervous system. Yeung VT, et al. **Neuroendocrinology** 1991;53 Suppl 1:18–24 (53 ref.)
Atrial natriuretic factor is a new neuromodulatory peptide. Debinski W, et al. **Neuroscience** 1990;36(1):15–20 (75 ref.)
The involvement of atriopeptins in blood pressure regulation. Cole BR. **Pediatr Nephrol** 1987 Jan;1(1):109–18 (99 ref.)
Atrial natriuretic factor. Athanassopoulos G, et al. **Prog Cardiovasc Dis** 1991 Mar–Apr;33(5):313–28 (206 ref.)
Atrial natriuretic peptides. Sagnella GA, et al. **Q J Med** 1990 Oct;77(282):1001–7 (48 ref.)
[Mechanism of vasorelaxation by atrial natriuretic factor] Liao YB. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan; 22(1):73–6 (31 ref.) **(Chi)**
[Hormonal regulation in the balance of the water and electrolytes] Liu ZF. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul;21(3):279–81 (39 ref.) **(Chi)**
[Atrial natriuretic factor and the lung] Ménard O. **Rev Mal Respir** 1991;8(2):153–67 (128 ref.) (Eng. Abstr.) **(Fre)**
[Urodilatin. The clinical importance of the renal natriuretic peptide] Kentsch M, et al. **Dtsch Med Wochenschr** 1991 Sep 13;116(37):1405–11 (46 ref.) **(Ger)**
[Atrial natriuretic peptide. II. Pathophysiology and possible clinical significance. Review.] Vollmar AM. **Tierarztl Prax** 1990 Aug;18(4):319–22 (25 ref.) (Eng. Abstr.) **(Ger)**
[Atrial natriuretic peptide in cardiac insufficiency] Visioli O, et al. **Cardiologia** 1990 Feb;35(2):101–11 (58 ref.) **(Ita)**
[The role of atrial natriuretic factor in cardiovascular physiopathology] Costa R, et al. **Clin Ter** 1991 Apr 15; 137(1):49–59 (85 ref.) (Eng. Abstr.) **(Ita)**
[Atrial natriuretic peptide (ANP)—its action in the body as a hormone and neuropeptide] Czekalski S. **Acta Physiol Pol** 1989;40 Suppl 34:85–97 (71 ref.) **(Pol)**
[Regulation of ovarian growth processes in the light of recent studies] Szymczykiewicz P, et al. **Endokrynol Pol** 1989; 40(6):325–36 (80 ref.) **(Pol)**
[Atrial natriuretic peptide in humans—its structure, metabolism and biological activity. Summary of the actual state of knowledge] Szurkowski M, et al. **Pol Tyg Lek** 1990 Nov 5–12;45(45–46):891–4 (43 ref.) **(Pol)**
[Interaction of the renin-angiotensin system and the atrial natriuretic factor] Almeida F. **Arq Bras Cardiol** 1990 Aug; 55 Suppl A:A8–10 (9 ref.) **(Por)**
[The role of atrial natriuretic factor in the regulation of the activity of the cardiovascular system] Baturova EA, et al. **Kardiologiia** 1991 Jan;31(1):91–3 (55 ref.) **(Rus)**
[Atrial natriuretic factor and its role in pathology] Drozdova GA, et al. **Patol Fiziol Eksp Ter** 1990 Nov–Dec;(6):55–8 (97 ref.) **(Rus)**

THERAPEUTIC USE

Effects of atrial natriuretic factor in ischemic renal injury: studies in the isolated erythrocyte-perfused rat kidney. Lieberthal W. **Clin Res** 1991 Apr;39(2):157–65 (30 ref.)

NATURAL CHILDBIRTH

TRENDS

Natural childbirth—the Johannesburg Hospital experience, 1983–1989. Seaward PG, et al. **S Afr Med J** 1990 Dec 1;78(11):677–80 (15 ref.)

NATURAL DISASTERS

Local crime as a natural hazard: implications for understanding the relationship between disorder and fear of crime. Taylor RB, et al. **Am J Community Psychol** 1990 Oct;18(5):619–41 (60 ref.)
Search, rescue, and evacuation. Barbera JA, et al. **Crit Care Clin** 1991 Apr;7(2):321–37 (65 ref.)
Natural disasters. Noji EK. **Crit Care Clin** 1991 Apr; 7(2):271–92 (96 ref.)
[The effect of earthquakes on the cardiovascular system] Chikovani SI. **Voen Med Zh** 1990 Oct;(10):20–2 (18 ref.) **(Rus)**

NATURAL KILLER CELLS see **KILLER CELLS, NATURAL**

NATURAL RESOURCES see **CONSERVATION OF NATURAL RESOURCES**

NATURAL SELECTION see **SELECTION (GENETICS)**

NATUROPATHY

[Special therapeutic directions. 3: Drug therapy processes, related and modified procedures] Eujen BR. **Med Monatsschr Pharm** 1991 Mar;14(3):81–6 (0 ref.) **(Ger)**

TRENDS

[Special therapeutic orientations. 1: Definitions, general principles] Eujen R. **Med Monatsschr Pharm** 1991 Jan; 14(1):19–22 (0 ref.) **(Ger)**
[Special therapeutic trends. 2: General procedures, basic naturopathy procedures] Eujen R, et al. **Med Monatsschr Pharm** 1991 Feb;14(2):43–6 (0 ref.) **(Ger)**

NAUSEA

CHEMICALLY INDUCED

Advances in data assessment. Application to the etiology of nausea reported during chemotherapy, concerns about significance testing, and opportunities in clinical trials. Morrow GR, et al. **Cancer** 1991 Feb 1;67(3 Suppl):780–7 (31 ref.)
The emetic effects of cancer chemotherapy. Dundee JW, et al. **Compr Ther** 1990 Nov;16(11):58–63 (24 ref.)
Chemotherapy-induced nausea and vomiting. Sledge GW Jr. **Curr Opin Oncol** 1990 Oct;2(5):909–14 (24 ref.)
[Secondary effects of opioids administered by the regional route] Ecoffey C. **Cah Anesthesiol** 1991;39(2):115–9 (47 ref.) (Eng. Abstr.) **(Fre)**
[Nausea and vomiting during treatment with cytostatics] Kaasa S, et al. **Tidsskr Nor Laegeforen** 1991 Mar 20; 111(8):941–4 (14 ref.) (Eng. Abstr.) **(Nor)**

DRUG THERAPY

5-Hydroxytryptamine (serotonin) subtype 3 antagonists, a major step in prophylaxis and control of cytostatic and radiation-induced emesis. Bremer K. **J Cancer Res Clin Oncol** 1991;117(1):85–7 (25 ref.)
Domperidone-induced acute dystonia and polycystic ovary syndrome. Bonuccelli U, et al. **Mov Disord** 1991;6(1):79–81 (29 ref.)
[Antiemetic properties of levo-sulpiride] Guslandi M. **Minerva Med** 1990 Dec;81(12):855–60 (20 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

The management of nausea and vomiting. Sykes N. **Practitioner** 1990 Mar 22;234(1485):286–90 (7 ref.)

NURSING

Nausea, vomiting, and retching. Rhodes VA. **Nurs Clin North Am** 1990 Dec;25(4):885–900 (43 ref.)
Practical aspects of dealing with cancer therapy-induced nausea and vomiting. Pervan V. **Semin Oncol Nurs** 1990 Nov;6(4 Suppl 1):3–5 (12 ref.)

PHYSIOPATHOLOGY

Pathophysiology of cytotoxic drug-induced emesis: far from crystal-clear. Seynaeve C, et al. **Pharm Weekbl [Sci]** 1991 Feb 22;13(1):1–6 (43 ref.)

PREVENTION & CONTROL

Ondansetron—the first of a new class of antiemetic agents. Chaffee BJ, et al. **Clin Pharm** 1991 Jun;10(6):430–46 (105 ref.)
Ondansetron. Therapeutic use as an antiemetic. Milne RJ, et al. **Drugs** 1991 Apr;41(4):574–95 (101 ref.)
Theories of self-care: their relevance to chemotherapy-induced nausea and vomiting. Richardson A. **J Adv Nurs** 1991 Jun;16(6):671–6 (51 ref.)
Use of nonpharmacological techniques to prevent chemotherapy-related nausea and vomiting. Cotanch PH. **Recent Results Cancer Res** 1991;121:101–7 (17 ref.)
Clinical evaluation of 5-HT3 receptor antagonists as anti-emetics. Bunce K, et al. **Trends Pharmacol Sci** 1991 Feb;12(2):46–8 (30 ref.)

THERAPY

Clinical uses of P6 acupuncture antiemesis. Dundee JW, et al. **Acupunct Electrother Res** 1990;15(3–4):211–5 (10 ref.)
Positive evidence for P6 acupuncture antiemesis. Dundee JW, et al. **Postgrad Med J** 1991 May;67(787):417–22 (53 ref.)

NAUTICAL MEDICINE see **NAVAL MEDICINE**

NAVAL MEDICINE

see related
DIVING

Current issues in seamen's labour intensity (a review of Soviet literature). Netudykhatka OY. **J Hyg Epidemiol Microbiol Immunol** 1990;34(3):261–6 (38 ref.)

NAZISM see **POLITICAL SYSTEMS**

NEAR DROWNING

COMPLICATIONS

Pseudallescheria boydii and brain abscesses. Hachimi-Idrissi S, et al. **Pediatr Infect Dis J** 1990 Oct;9(10):737–41 (49 ref.)

NEAR EAST EQUINE ENCEPHALOMYELITIS VIRUS see **BORNA DISEASE VIRUS**

NEBULIZERS AND VAPORIZERS

see related
AEROSOLS

Aerosol physiology, deposition, and metered dose inhalers. Newman SP. **Allergy Proc** 1991 Jan–Feb;12(1):41–5 (14 ref.)
Inhaler and spacer use in obstructive airway diseases. Jones MD, et al. **Am Fam Physician** 1990 Oct;42(4):1007–13 (22 ref.)
Optimizing drug delivery from metered-dose inhalers. Whelan AM, et al. **DICP** 1991 Jun;25(6):638–45 (94 ref.)
Nebulized pentamidine as prophylaxis for Pneumocystis carinii pneumonia. Miller R, et al. **J Antimicrob Chemother** 1991 Feb;27(2):153–7 (42 ref.)
Humidifiers and other symptomatic therapy for children with respiratory tract infections. Szilagyi PG. **Pediatr Infect Dis J** 1991 Jun;10(6):478–9 (13 ref.)

NECATORIASIS

COMPLICATIONS

[Uncinariasis in younger infants] Bestard JJ, et al. **Bol Med Hosp Infant Mex** 1990 Jun;47(6):376–81 (43 ref.) (Eng. Abstr.) **(Spa)**

NECK

Serious soft tissue infections of the head and neck. Herr RD, et al. **Am Fam Physician** 1991 Sep;44(3):878–88 (25 ref.)
Neonatal giant lymph node hyperplasia (Castleman's disease) presenting in the head and neck. Penfold CN, et al. **Br J Oral Maxillofac Surg** 1991 Apr;29(2):110–1 (18 ref.)
Imaging of neck masses in infants and children. Faerber EN, et al. **Crit Rev Diagn Imaging** 1991;31(3–4):283–314 (103 ref.)
Imaging of the neck: nodal disease. Swartz JD, et al. **Crit Rev Diagn Imaging** 1991;31(3–4):413–69 (18 ref.)
Imaging the soft tissues of the neck: non-nodal acquired disease. Swartz JD, et al. **Crit Rev Diagn Imaging** 1991; 31(3–4):471–547 (57 ref.)
[A case of cervico-mediastinal abscess, secondary to acute tonsillitis: investigation of the treatments] Fukamoto K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1990 Jun;93(6):884–93 (40 ref.) (Eng. Abstr.) **(Jpn)**

ABNORMALITIES

Congenital lesions of the head and neck. Proctor B, et al. **Otolaryngol Clin North Am** 1970 Jun;3(2):221–48 (25 ref.)

ANATOMY & HISTOLOGY

The visceral space: the unique infrahyoid space. Babbel RW, et al. **Semin Ultrasound CT MR** 1991 Jun;12(3):204–23 (37 ref.)
The normal and diseased infrahyoid retropharyngeal, danger, and prevertebral spaces. Davis WL, et al. **Semin Ultrasound CT MR** 1991 Jun;12(3):241–56 (24 ref.)
The anterior and posterior cervical spaces. Parker GD, et al. **Semin Ultrasound CT MR** 1991 Jun;12(3):257–73 (16 ref.)
Normal anatomy of the infrahyoid neck: an overview. Smoker WR. **Semin Ultrasound CT MR** 1991 Jun; 12(3):192–203 (9 ref.)

BLOOD SUPPLY

The carotid space of the infrahyoid neck. Fruin ME, et al. **Semin Ultrasound CT MR** 1991 Jun;12(3):224–40 (23 ref.)

INJURIES

Pharyngoesophageal perforation after blunt neck trauma. Niezgoda JA, et al. **Ann Thorac Surg** 1990 Oct;50(4):615–7 (14 ref.)
Childhood stroke after minor neck trauma: case report. Ko GD, et al. **Arch Phys Med Rehabil** 1990 Oct;71(11):923–6 (19 ref.)
Whiplash injury [editorial] [see comments] Newman PK. **BMJ** 1990 Sep 1;301(6749):395–6 (17 ref.) Comment in: BMJ 1990 Sep 22;301(6752):610.
Penetrating wounds of the neck. Miller RH, et al. **Otolaryngol Clin North Am** 1991 Feb;24(1):15–29 (20 ref.)
Management of penetrating neck injuries. The controversy surrounding zone II injuries. Asensio JA, et al. **Surg Clin North Am** 1991 Apr;71(2):267–96 (91 ref.)

INNERVATION

Brainstem-spinal cord projections in the cat, related to control of head and axial movements. Holstege G. **Rev Oculomot Res** 1988;2:431–70 (134 ref.)

PATHOLOGY

Imaging of the neck. Barakos JA, et al. **Curr Opin Radiol** 1991 Feb;3(1):93–100 (23 ref.)
Diagnosis and management of masses in the neck, with special emphasis on metastatic malignant disease. McGuirt WF. **Oncology (Williston Park)** 1990 Aug;4(8):85–92, 97; discussion 97–8 (24 ref.)

Multispatial and transpatial diseases of the extracranial head and neck. Vogelzang P, et al. **Semin Ultrasound CT MR** 1991 Jun;12(3):274–87 (12 ref.)

RADIATION EFFECTS

Head and neck irradiation in childhood: increased risk of developing thyroid disease. Sako K. **Semin Surg Oncol** 1991 Mar–Apr;7(2):112–4 (11 ref.)

RADIOGRAPHY

New trends in computed tomography of the head and neck. Horvath M, et al. **Curr Opin Radiol** 1991 Feb;3(1):109–13 (14 ref.)

Radiological studies of the lymphatic system of the head and neck. Liebner EJ. **Otolaryngol Clin North Am** 1973 Jun; 6(2):563–77 (18 ref.)

SURGERY

Cervicofacial liposuction: results and controversies [see comments] Adamson PA, et al. **J Otolaryngol** 1990 Aug; 19(4):267–73 (7 ref.) Comment in: J Otolaryngol 1991 Feb;20(1):69.

Regional flaps in facial reconstruction. Baker SR. **Otolaryngol Clin North Am** 1990 Oct;23(5):925–46 (17 ref.)

Skin grafts. Branham GH, et al. **Otolaryngol Clin North Am** 1990 Oct;23(5):889–97 (10 ref.)

Local anesthesia for soft-tissue surgery. Ehlert TK, et al. **Otolaryngol Clin North Am** 1990 Oct;23(5):831–44 (16 ref.)

Incision planning and basic soft-tissue surgery. Freeman MS. **Otolaryngol Clin North Am** 1990 Oct;23(5):865–74 (7 ref.)

NECK MUSCLES

[Accessory nerve decompression for the treatment of spasmodic torticollis] Shima F, et al. **No Shinkei Geka** 1990 Aug;18(8):693–700 (32 ref.) **(Jpn)**

SURGERY

[Functional cervical lymph node excision with section of the sternocleidomastoid muscle] Rodier D, et al. **J Chir (Paris)** 1990 Dec;127(12):604–7 (10 ref.) (Eng. Abstr.) **(Fre)**

NECK NEOPLASMS see **HEAD AND NECK NEOPLASMS**

NECROBACILLOSIS see **FUSOBACTERIUM INFECTIONS**

NECROBIOSIS LIPOIDICA

COMPLICATIONS

[Carcinoma cuniculatum arising in necrobiosis lipoidica] Porneuf M, et al. **Ann Dermatol Venereol** 1991; 118(6–7):461–4 (19 ref.) **(Fre)**

NECROSIS

see related
TUMOR NECROSIS FACTOR

CHEMICALLY INDUCED

Rhabdomyolysis and cutaneous necrosis following intravenous vasopressin infusion. Moreno-Sánchez D, et al. **Gastroenterology** 1991 Aug;101(2):529–32 (20 ref.)

[Cutaneous necrosis at the initiation of antivitamin K treatment disclosing hereditary protein C deficiency] Piffoux M, et al. **Rev Pneumol Clin** 1990;46(3):125–7 (8 ref.) (Eng. Abstr.) **(Fre)**

NECROSIS, ASEPTIC, OF BONE see **OSTEONECROSIS**

NECROSIS, AVASCULAR, OF BONE see **OSTEONECROSIS**

NECROTIZING ARTERITIS see **PERIARTERITIS NODOSA**

NECROTIZING PYELONEPHRITIS see **KIDNEY PAPILLARY NECROSIS**

NECROTIZING SCLERITIS see **SCLERITIS**

NEEDLES

Biopsy needle characteristics. Gazelle GS, et al. **Cardiovasc Intervent Radiol** 1991 Jan–Feb;14(1):13–6 (34 ref.)

NEFA see **FATTY ACIDS, NONESTERIFIED**

NEGATIVE-PRESSURE VENTILATORS see **VENTILATORS, NEGATIVE-PRESSURE**

NEGATRONS see **ELECTRONS**

NEGLIGENCE, PROFESSIONAL see **MALPRACTICE**

NEGROES see **BLACKS**

NEGROID RACE

see related
BLACKS

Angiotensin converting enzyme inhibitors in cardiovascular and renal disease in Africans: a review. Ajayi AA. **Afr J Med Med Sci** 1991 Jun;20(2):123–34 (70 ref.)

The safety and efficacy of terazosin in the treatment of essential hypertension in blacks. Saunders E. **Am Heart J** 1991 Sep;122(3 (Pt 2)):936–42 (14 ref.)

Pathophysiology of hypertension in blacks. Hall WD. **Am J Hypertens** 1990 Dec;3(12 Pt 2):366S–371S (50 ref.)

Impact of age, race, and obesity on hypertensive mechanisms and therapy. Weir MR. **Am J Med** 1991 May 17; 90(5A):3S–14S (128 ref.)

A comparison of the gum pads of Afro-Caribbean and Caucasian British subjects at birth. Leighton BC, et al. **Br J Orthod** 1990 Aug;17(3):215–21 (18 ref.)

Heart disease in blacks of Africa and the Caribbean. Akinkugbe OO, et al. **Cardiovasc Clin** 1991;21(3):377–91 (47 ref.)

The pathogenesis of hypertension: black-white differences. Blaustein MP, et al. **Cardiovasc Clin** 1991;21(3):97–114 (78 ref.)

Cerebrovascular disease in hypertensive blacks. Cooper ES, et al. **Cardiovasc Clin** 1991;21(3):145–55 (59 ref.)

Coronary heart disease: black-white differences. Cooper RS, et al. **Cardiovasc Clin** 1991;21(3):205–25 (40 ref.)

Hypertensive heart disease in blacks. Gottdiener JS. **Cardiovasc Clin** 1991;21(3):133–43 (55 ref.)

Medical management of coronary heart disease in blacks. Haywood LJ, et al. **Cardiovasc Clin** 1991;21(3):241–7 (20 ref.)

Hypertension in blacks: clinical overview. Hildreth C, et al. **Cardiovasc Clin** 1991;21(3):85–96 (51 ref.)

Predictors of coronary heart disease in blacks. Keil JE, et al. **Cardiovasc Clin** 1991;21(3):227–39 (34 ref.)

Urban and rural differences in cardiovascular disease in blacks. Keil JE, et al. **Cardiovasc Clin** 1991;21(3):17–28 (22 ref.)

Risk factors and the natural history of coronary heart disease in blacks. Lewis CE, et al. **Cardiovasc Clin** 1991;21(3):29–45 (138 ref.)

Prevention of coronary heart disease in black adults. Pearson TA, et al. **Cardiovasc Clin** 1991;21(3):263–76 (62 ref.)

Cardiomyopathy in blacks. Watkins LO, et al. **Cardiovasc Clin** 1991;21(3):279–96 (73 ref.)

Hypertensive renal damage. Weir MR, et al. **Cardiovasc Clin** 1991;21(3):115–32 (120 ref.)

Sudden cardiac death in blacks, including black athletes. Williams RA. **Cardiovasc Clin** 1991;21(3):297–320 (76 ref.)

Essential hypertension in blacks: epidemiology, characteristics, and possible roles of racial differences in sodium, potassium, and calcium regulation. Aviv A, et al. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:335–42 (112 ref.)

Obesity and hypertension in blacks. Dustan HP. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:395–402 (37 ref.)

Potassium and calcium intake, excretion, and homeostasis in blacks, and their relation to blood pressure. Langford HG, et al. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:403–6 (19 ref.)

The efficacy of beta-adrenoceptor and calcium-entry blockers in hypertensive blacks. M'Buyamba-Kabangu JR, et al. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:389–94 (63 ref.)

Diuretics and cation transport in hypertensive blacks. Quintanilla AP, et al. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:383–7 (52 ref.)

Ethnicity and psychotropic drugs. Bond WS. **Clin Pharm** 1991 Jun;10(6):467–70 (37 ref.)

Hypertension and diabetes in blacks. Douglas JG. **Diabetes Care** 1990 Nov;13(11):1191–5 (50 ref.)

Obesity and diabetes in blacks. Pi-Sunyer FX. **Diabetes Care** 1990 Nov;13(11):1144–9 (44 ref.)

Exercise in therapy and prevention of type II diabetes. Implications for blacks. Ruderman N, et al. **Diabetes Care** 1990 Nov;13(11):1163–8 (71 ref.)

Chronic diabetic complications and tissue glycosylation. Relevant concern for diabetes-prone black population. Vlassara H. **Diabetes Care** 1990 Nov;13(11):1180–5 (47 ref.)

Racial and ethnic modifiers of the salt-blood pressure response. Flack JM, et al. **Hypertension** 1991 Jan;17(1 Suppl):I115–21 (48 ref.)

Regional dermatoses in the African black. III. Pretibial lesions. Olumide YM, et al. **Int J Dermatol** 1991 Jun; 30(6):425–31 (21 ref.)

Do angiotensin-converting enzyme inhibitors work in black hypertensives? A review. Parag KB, et al. **J Hum Hypertens** 1990 Aug;4(4):450–2 (14 ref.)

Hypertension in blacks. Hildreth CJ, et al. **Md Med J** 1991 Mar;40(3):213–7 (46 ref.)

Hodgkin's disease in black populations: a review of the epidemiologic literature. Glaser SL. **Semin Oncol** 1990 Dec; 17(6):643–59 (65 ref.)

GENETICS

Frequency and genetic background of the position 122 (Val----Ile) variant transthyretin gene in the black population. Jacobson DR, et al. **Am J Hum Genet** 1991 Jul;49(1):192–8 (46 ref.)

NEIGHBORHOOD HEALTH CENTERS see **COMMUNITY HEALTH CENTERS**

NEISSERIA

CLASSIFICATION

[Neisseria spp. New microbiological aspects] Pérez JL, et al. **Enferm Infece Microbiol Clin** 1989 Dec;7(10):551–8 (76 ref.) **(Spa)**

GENETICS

Variation and control of protein expression in Neisseria. Meyer TF, et al. **Annu Rev Microbiol** 1990;44:451–77 (159 ref.)

Evasion mechanisms of pathogenic Neisseriae. Meyer TF. **Behring Inst Mitt** 1991 Feb;(88):194–9 (21 ref.)

PATHOGENICITY

Pathogenic neisseriae—a model of bacterial virulence and genetic flexibility. Meyer TF. **Int J Med Microbiol** 1990 Nov;274(2):135–54 (95 ref.)

NEISSERIA GONORRHOEAE

CLASSIFICATION

Markers of Neisseria gonorrhoeae for epidemiological studies. Sandström EG, et al. **Scand J Infect Dis Suppl** 1990; 69:149–56 (65 ref.)

DRUG EFFECTS

Epidemiology of antibiotic resistant Neisseria gonorrhoeae in industrialized and developing countries. Lind I. **Scand J Infect Dis Suppl** 1990;69:77–82 (23 ref.)

GENETICS

Evasion mechanisms of pathogenic Neisseriae. Meyer TF. **Behring Inst Mitt** 1991 Feb;(88):194–9 (21 ref.)

IMMUNOLOGY

Gonococci are survivors. Sparling PF, et al. **Scand J Infect Dis Suppl** 1990;69:125–36 (94 ref.)

NEISSERIA MENINGITIDIS

Purulent pericarditis in infancy. Gersony WM, et al. **Pediatrics** 1967 Aug;40(2):224–32 (33 ref.)

CLASSIFICATION

Purpura fulminans and adrenal hemorrhage due to group Y meningococcemia in an elderly woman. Marnejon T, et al. **South Med J** 1991 Apr;84(4):527–9 (23 ref.)

DRUG EFFECTS

Antibiotic resistance in Europe and the current use of antibiotics in severe pediatric infections. Levy J. **Scand J Infect Dis Suppl** 1990;73:23–9 (50 ref.)

ISOLATION & PURIFICATION

Primary meningococcal tenosynovitis. Trimble RB. **Iowa Med** 1990 Oct;80(10):485–6 (10 ref.)

NEMATOCIDES see **ANTINEMATODAL AGENTS**

NEMATODA

DRUG EFFECTS

Anthelmintic resistance in nematodes: extent, recent understanding and future directions for control and research. Prichard RK. **Int J Parasitol** 1990 Jul; 20(4):515–23 (90 ref.)

PHYSIOLOGY

The molecular revolution and nematode parasitology: yesterday, today, and tomorrow. Ogilvie BM, et al. **J Parasitol** 1990 Oct;76(5):607–18 (75 ref.)

NEMATODE INFECTIONS

[Anisakiasis and Anisakis infections] Cocheton JJ, et al. **Ann Med Interne (Paris)** 1991;142(2):121–30 (147 ref.) **(Fre)**

EPIDEMIOLOGY

Parasitic zoonoses: selective review of some diseases in South America. Grisi L. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:79–82 (36 ref.)

IMMUNOLOGY

The molecular revolution and nematode parasitology: yesterday, today, and tomorrow. Ogilvie BM, et al. **J Parasitol** 1990 Oct;76(5):607–18 (75 ref.)

PARASITOLOGY

Intestinal capillariasis. Cross JH, et al. **Prog Clin Parasitol** 1989;1:105–19 (27 ref.)

[Anisakiasis as a cause of acute appendicitis and rheumatologic picture: the first case in medical literature] Arenal Vera JJ, et al. **Rev Esp Enferm Dig** 1991 May; 79(5):355–8 (22 ref.) (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Control of intestinal nematode infections by chemotherapy: mass treatment versus diagnostic screening. Bundy DA. **Trans R Soc Trop Med Hyg** 1990 Sep–Oct;84(5):622–5 (28 ref.)

VETERINARY

A review of chemical methods available for the control of gastrointestinal nematodes of sheep and cattle. Van Wyk JA. **J S Afr Vet Assoc** 1990 Sep;61(3):136–40 (30 ref.)

Integrated worm control as a strategy in the control of gastrointestinal nematodes of sheep and cattle. Van Wyk JA. **J S Afr Vet Assoc** 1990 Sep;61(3):141–5 (30 ref.)

[Prevention of gastrointestinal nematodes in calves in Belgium] Vercruysse J, et al. **Verh K Acad Geneeskd Belg** 1991;53(2):121–58; discussion 159–62 (70 ref.) (Eng. Abstr.) **(Dut)**

[Gastrointestinal strongylosis and malabsorption of nutrients] Dakkak A. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:73–6 (27 ref.) (Eng. Abstr.) **(Fre)**

[Is systematic vermifugation of small ruminants in Sahelo-Sudanian Africa against gastrointestinal nematodes still advisable?] Thys E, et al. **Rev Elev Med Vet Pays Trop** 1990;43(2):187–91 (34 ref.) (Eng. Abstr.) **(Fre)**

NEMATOMORPHA see **HELMINTHS**

NEOCARZINOSTATIN

THERAPEUTIC USE

Neuroblastoma: a neurochemical approach. Schor NF. **J Child Neurol** 1991 Jul;6(3):220–8 (32 ref.)

NEOMALTHUSIANISM see **POPULATION DYNAMICS**

NEONATAL ABSTINENCE SYNDROME

Prosecution to enhance treatment. Goldsmith S. **Child Today** 1990 Jul–Aug;19(4):13–6, 36 (26 ref.)

[Guilty before being born] Bayés García R, et al. **An Esp Pediatr** 1990 Oct;33 Suppl 41:29–36 (58 ref.) **(Spa)**

DIAGNOSIS

Cocaine and infant behavior. Neuspiel DR, et al. **J Dev Behav Pediatr** 1991 Feb;12(1):55–64 (129 ref.)

EPIDEMIOLOGY

Prenatal substance abuse. Gittler J, et al. **Child Today** 1990 Jul–Aug;19(4):3–7 (17 ref.)

ETIOLOGY

The consequences of maternal substance abuse for the child exposed in utero. McCance-Katz EF. **Psychosomatics** 1991 Summer;32(3):268–74 (36 ref.)

NEONATAL CALF DIARRHEA VIRUS see **ROTAVIRUSES**

NEONATAL IMMUNITY, MATERNALLY-ACQUIRED see **IMMUNITY, MATERNALLY-ACQUIRED**

NEONATAL INTENSIVE CARE see **INTENSIVE CARE, NEONATAL**

NEONATAL INTENSIVE CARE UNITS see **INTENSIVE CARE UNITS, NEONATAL**

NEONATAL MORTALITY see **INFANT MORTALITY**

NEONATAL SCREENING

Phenylketonuria: contemporary screening and diagnosis. Mabry CC. **Ann Clin Lab Sci** 1990 Nov–Dec;20(6):393–7 (18 ref.)

Neonatal screening--should we or shouldn't we? Weller PH, et al. **J R Soc Med** 1991;84 Suppl 18:7–9 (20 ref.)

Diagnostic dilemmas. Results of screening tests for congenital hypothyroidism. Willi SM, et al. **Pediatr Clin North Am** 1991 Jun;38(3):555–66 (19 ref.)

[Hepatitis B virus infection and pregnancy: diagnostic screening and immune prevention] Gerken G, et al. **Gynakologe** 1991 Jun;24(3):125–8 (20 ref.) **(Ger)**

[Diagnosis and therapy of acute metabolic crisis in the neonatal period] Sperl W, et al. **Padiatr Padol** 1991; 26(1):13–7 (21 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Otoacoustic emission tests in neonatal screening programmes. Kemp DT, et al. **Acta Otolaryngol Suppl (Stockh)** 1991; 482:73–84 (17 ref.)

Recent progress in neonatal mass screening for congenital hypothyroidism and adrenal hyperplasia using enzyme immunoassays. Tsuji A, et al. **Adv Clin Chem** 1990; 28:109–43 (63 ref.)

Screening for inborn errors of amino acid metabolism. Wu JT. **Ann Clin Lab Sci** 1991 Mar–Apr;21(2):123–42 (29 ref.)

[The hip joint of children. Clinical diagnosis in the infant] Schuler P. **Z Orthop** 1990 Jul–Aug;128(4):351–4 (28 ref.) (Eng. Abstr.) **(Ger)**

NEONATE see **INFANT, NEWBORN**

NEONATOLOGY

see related
INFANT, NEWBORN

STANDARDS

Moral dilemmas in neonatal medicine. Saugstad OD. **Int J Technol Assess Health Care** 1991;7 Suppl 1:133–5 (4 ref.)

NEOPLASM ANTIBODIES see **ANTIBODIES, NEOPLASM**

NEOPLASM ANTIGENS see **ANTIGENS, NEOPLASM**

NEOPLASM ANTIGENS, VIRAL see **ANTIGENS, VIRAL, TUMOR**

NEOPLASM CIRCULATING CELLS

Left atrial myxoma presenting as acute myocardial infarction. Namura M, et al. **Jpn J Med** 1990 Sep–Oct;29(5):537–41 (23 ref.)

Intracranial oncotic aneurysms from choriocarcinoma. Case report and review of the literature. Hove B, et al. **Neuroradiology** 1990;32(6):526–8 (24 ref.)

PATHOLOGY

Carcinocythemia in a patient with rhabdomyosarcoma. Maldonado A, et al. **Bol Asoc Med P R** 1991 Jan;83(1):13–6 (15 ref.)

Mesenteric infarction secondary to tumor emboli from primary aortic sarcoma. Guidelines for diagnosis and management. Higgins R, et al. **Cancer** 1991 Oct 1; 68(7):1622–7 (9 ref.)

Malignant myxoid emboli as the presenting feature of primary sarcoma of the aorta (myxoid malignant fibrous histiocytoma): a case report and review of the literature. Tejada E, et al. **Clin Cardiol** 1991 May;14(5):425–30 (28 ref.)

Detection, characterization and tumorigenicity of disseminated tumor cells in human bone marrow. Schlimok G, et al. **Semin Cancer Biol** 1990 Jun;1(3):207–15 (67 ref.)

[Interstitial cancerous lung diseases. Lymphangiosis carcinomatosa and leukemic pulmonary infiltrates] Dinkel E, et al. **Radiologe** 1990 Dec;30(12):591–7 (22 ref.) (Eng. Abstr.) **(Ger)**

[Tumor progression and metastasis] Kath R, et al. **Zentralbl Chir** 1990;115(13):785–92 (47 ref.) (Eng. Abstr.) **(Ger)**

[Rupture of intracranial aneurysm due to intravascular metastasis of choriocarcinoma. Case report] Mori K, et al. **Neurol Med Chir (Tokyo)** 1990;30(11 Spec No):858–62 (23 ref.) (Eng. Abstr.) **(Jpn)**

NEOPLASM DNA see **DNA, NEOPLASM**

NEOPLASM INVASIVENESS

Invasive glioma cells in tissue culture. Lund-Johansen M, et al. **Anticancer Res** 1990 Sep–Oct;10(5A):1135–51 (226 ref.)

The role of cellular proteases and their inhibitors in invasion and metastasis. Introductionary overview. Liotta L. **Cancer Metastasis Rev** 1990 Dec;9(4):285–7 (16 ref.)

Stromelysin in tumor progression and metastasis. McDonnell S, et al. **Cancer Metastasis Rev** 1990 Dec;9(4):305–19 (87 ref.)

Type IV collagenases in tumor invasion and metastasis. Stetler-Stevenson WG. **Cancer Metastasis Rev** 1990 Dec; 9(4):289–303 (87 ref.)

The role of urokinase-type plasminogen activator in aggressive tumor cell behavior. Testa JE, et al. **Cancer Metastasis Rev** 1990 Dec;9(4):353–67 (111 ref.)

Extracellular matrix metalloproteinases in tumor invasion and metastasis. Goldberg GI, et al. **Cancer Treat Res** 1991; 53:421–40 (119 ref.)

Modulation of the malignant phenotype with the urokinase-type plasminogen activator and the type I plasminogen activator inhibitor. Sordat B, et al. **Cell Differ Dev** 1990 Dec 2;32(3):277–85 (18 ref.)

Metalloproteinases and cancer invasion. Liotta LA, et al. **Semin Cancer Biol** 1990 Apr;1(2):99–106 (35 ref.)

Stromelysin/transin and tumor progression. Matrisian LM, et al. **Semin Cancer Biol** 1990 Apr;1(2):107–15 (34 ref.)

GENETICS

The invasive phenctypes. Mareel MM, et al. **Cancer Metastasis Rev** 1990 Jul;9(1):45–62 (126 ref.)

Tumor invasion and metastasis: an imbalance of positive and negative regulation. Liotta LA, et al. **Cancer Res** 1991 Sep 15;51(18 Suppl):5054s–5059s (96 ref.)

PATHOLOGY

[Medulloblastoma: towards new prognostic factors] San-Galli F, et al. **Neurochirurgie** 1991;37(1):3–11 (79 ref.) (Eng. Abstr.) **(Fre)**

[The role of proteases in the growth, invasion and spread of cancer cells] Bugø L, et al. **Tidsskr Nor Laegeforen** 1990 Nov 30;110(29):3753–6 (19 ref.) (Eng. Abstr.) **(Nor)**

PHYSIOPATHOLOGY

Integrins and tumor invasion. Dedhar S. **Bioessays** 1990 Dec; 12(12):583–90 (70 ref.)

Tumor invasion and metastases: biochemical mechanisms. Liotta LA, et al. **Cancer Treat Res** 1988;40:223–38 (29 ref.)

Factors regulating basement membrane invasion by tumor cells. Thompson EW, et al. **Cancer Treat Res** 1988; 40:239–49 (59 ref.)

Regulation of proliferation, invasion and growth factor synthesis in breast cancer by steroids. Dickson RB, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):305–16 (156 ref.)

[Tumor progression and metastasis] Kath R, et al. **Zentralbl Chir** 1990;115(13):785–92 (47 ref.) (Eng. Abstr.) **(Ger)**

NEOPLASM METASTASIS

Genetic regulation of metastatic progression. Wright JA, et al. **Anticancer Res** 1990 Sep–Oct;10(5A):1247–55 (91 ref.)

Cancer metastasis. Fidler IJ. **Br Med Bull** 1991 Jan; 47(1):157–77 (93 ref.)

The treatment of metastatic breast cancer. Greenberg EJ. **CA Cancer J Clin** 1991 Jul–Aug;41(4):242–56 (85 ref.)

The role of cellular proteases and their inhibitors in invasion and metastasis. Introductionary overview. Liotta L. **Cancer Metastasis Rev** 1990 Dec;9(4):285–7 (16 ref.)

Extracellular matrix metalloproteinases in tumor invasion and metastasis. Goldberg GI, et al. **Cancer Treat Res** 1991; 53:421–40 (119 ref.)

Cancer metastasis and angiogenesis: an imbalance of positive and negative regulation. Liotta LA, et al. **Cell** 1991 Jan 25;64(2):327–36 (113 ref.)

Modulation of the malignant phenotype with the urokinase-type plasminogen activator and the type I plasminogen activator inhibitor Sordat B, et al. **Cell Differ Dev** 1990 Dec 2;32(3):277–85 (18 ref.)

How malignant is malignant? A brief review of the microscopic assessment of human neoplasms, and the prediction of whether they will metastasize and kill. Carr I, et al. **Clin Exp Metastasis** 1991 Mar–Apr;9(2):127–37 (84 ref.)

Radiation enhancement of metastasis: a review. von Essen CF. **Clin Exp Metastasis** 1991 Mar–Apr;9(2):77–104 (165 ref.)

Pathology of malignant ovarian tumors. Sprance HE, et al. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):430–6 (12 ref.)

Molecular mechanisms of cancer metastasis: tumor and host properties and the role of oncogenes and suppressor genes. Nicolson GL. **Curr Opin Oncol** 1991 Feb;3(1):75–92 (209 ref.)

Treatment of metastatic breast cancer. Robert NJ, et al. **Curr Opin Oncol** 1990 Dec;2(6):1088–92 (22 ref.)

Host and tumour factors in cancer metastasis. Fidler IJ. **Eur J Clin Invest** 1990 Oct;20(5):481–6 (95 ref.)

Metastatic tumors of the umbilicus: a review 1830–1989. Shetty MR. **J Surg Oncol** 1990 Nov;45(3):212–5 (30 ref.)

Reasons for delay of endocrine treatment in cancer of the prostate (until symptomatic metastases occur). Christensen MM, et al. **Prog Clin Biol Res** 1990;359:7–14; discussion 15–24 (4 ref.)

Metalloproteinases and cancer invasion. Liotta LA, et al. **Semin Cancer Biol** 1990 Apr;1(2):99–106 (35 ref.)

Stromelysin/transin and tumor progression. Matrisian LM, et al. **Semin Cancer Biol** 1990 Apr;1(2):107–15 (34 ref.)

The "seed and soil" hypothesis and the decline of radical surgery: a surgeon's opinion. Evans RA. **Tex Med** 1990 Sep;86(9):85–9 (42 ref.)

DIAGNOSIS

Functional immunocytopathology and the diagnosis of bone marrow micrometastases. Neville AM. **Cytopathology** 1990; 1(4):223–31 (35 ref.)

Detection, characterization and tumorigenicity of disseminated tumor cells in human bone marrow. Schlimok G, et al. **Semin Cancer Biol** 1990 Jun;1(3):207–15 (67 ref.)

Follow-up of patients after primary colorectal cancer resection. Pommier R, et al. **Semin Surg Oncol** 1991 May–Jun;7(3):129–32 (20 ref.)

Evaluation of a patient prior to second-look surgery. Wanebo HJ, et al. **Semin Surg Oncol** 1991 May–Jun;7(3):133–7 (13 ref.)

[Magnetic resonance in oncology] Terrier F, et al. **Schweiz Med Wochenschr** 1990 Sep 1;120(35):1257–72 (82 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

Tumor invasion and metastasis: an imbalance of positive and negative regulation. Liotta LA, et al. **Cancer Res** 1991 Sep 15;51(18 Suppl):5054s–5059s (96 ref.)

The molecular basis of the metastatic phenotype. Brentani R. **Crit Rev Oncog** 1989;1(3):247–60 (176 ref.)
Genetic aspects of metastasis. Hill RP. **Curr Opin Oncol** 1990 Feb;2(1):157–62 (23 ref.)
Metastasis suppressor genes. Liotta LA, et al. **Important Adv Oncol** 1991;:85–100 (89 ref.)
Genetic and kinetic factors in the drug resistance of micrometastatic disease. Goldie JH. **Prog Clin Biol Res** 1990;354A.99–107 (14 ref.)
The biology of cancer metastasis. Price JE. **Prog Clin Biol Res** 1990;354A:237–55 (49 ref.)

IMMUNOLOGY

Immunobiology of metastases. Ioachim HL. **Cancer Detect Prev** 1991;15(2):127–31 (42 ref.)
Evasion of host responses in metastasis: implications of cellular resistance to cytokines. Killion JJ, et al. **Curr Opin Immunol** 1989–90;2(5):693–6 (10 ref.)
Macrophages, metastasis and immunity. Phillips NC. **Prog Clin Biol Res** 1990;354A:257–70 (29 ref.)

PATHOLOGY

Experimental analysis of the metastatic phenotype of malignant leukocytes. Vanden Driessche T, et al. **Anticancer Res** 1991 Jan–Feb;11(1):49–73 (151 ref.)
Tumors and tumor-like lesions arising in tendons. A clinicopathological study of 75 cases. Józsa L, et al. **Arch Orthop Trauma Surg** 1991;110(2):83–6 (31 ref.)
The role of stromal cells in tumor metastasis: a new link. van den Hooff A. **Cancer Cells** 1991 May;3(5):186–7 (15 ref.)
Cell motility in angiogenesis and tumor metastasis. Zetter BR. **Cancer Invest** 1990;8(6):669–71 (20 ref.)
Cellular interactions in metastasis. Miller FR, et al. **Cancer Metastasis Rev** 1990 Jul;9(1):21–34 (143 ref.)
The pattern of metastases in human breast cancer: methodological aspects and influence of prognostic factors. Kamby C. **Cancer Treat Rev** 1990 Mar;17(1):37–61 (198 ref.)
Site-associated differences in cancer cell populations. Weiss L. **Clin Exp Metastasis** 1991 May–Jun;9(3):193–203 (29 ref.)
Mechanisms of development of metastases. Plesničar S. **Crit Rev Oncog** 1989;1(2):175–94 (176 ref.)
Lectins: mediators of adhesion for bacteria in infectious diseases and for tumor cells in metastasis. Beuth J, et al. **Int J Med Microbiol** 1990 Dec;274(3):350–8 (47 ref.)
The biology of cancer metastasis. Price JE. **Prog Clin Biol Res** 1990;354A:237–55 (49 ref.)
[Metastatic dissemination of cancer cells] Cornil I, et al. **Pathol Biol (Paris)** 1991 Apr;39(4):300–7 (30 ref.) (Eng. Abstr.) **(Fre)**
[Cancer metastasis and platelet aggregation] Tsuruo T. **Tanpakushitsu Kukusan Koso** 1990 Nov;35(15):2818–24 (47 ref.) **(Jpn)**
[Cathepsins: their role in tumor invasiveness] Eiján AM, et al. **Medicina (B Aires)** 1990;50(2):171–4 (55 ref.) **(Spa)**

PHYSIOPATHOLOGY

Proteases in the schistosome life cycle: a paradigm for tumour metastasis. Doenhoff MJ, et al. **Cancer Metastasis Rev** 1990 Dec;9(4):381–92 (77 ref.)
Stromelysin in tumor progression and metastasis. McDonnell S, et al. **Cancer Metastasis Rev** 1990 Dec;9(4):305–19 (87 ref.)
Organ-preference of metastasis. The role of endothelial cell adhesion molecules. Pauli BU, et al. **Cancer Metastasis Rev** 1990 Nov;9(3):175–89 (125 ref.)
Type IV collagenases in tumor invasion and metastasis. Stetler-Stevenson WG. **Cancer Metastasis Rev** 1990 Dec; 9(4):289–303 (87 ref.)
The role of urokinase-type plasminogen activator in aggressive tumor cell behavior. Testa JE, et al. **Cancer Metastasis Rev** 1990 Dec;9(4):353–67 (111 ref.)
Extracellular matrix-resident growth factors and enzymes: possible involvement in tumor metastasis and angiogenesis. Vlodavsky I, et al. **Cancer Metastasis Rev** 1990 Nov; 9(3):203–26 (113 ref.)
Tumor invasion and metastases: biochemical mechanisms. Liotta LA, et al. **Cancer Treat Res** 1988;40:223–38 (29 ref.)
The role of metalloproteinases in tumor cell metastasis. Schultz RM. **Cancer Treat Res** 1991;54:119–33 (79 ref.)
[Tumor progression and metastasis] Kath R, et al. **Zentralbl Chir** 1990;115(13):785–92 (47 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Carcinoma of the prostate: reasons for endocrine treatment prior to symptomatic metastases. Chisholm GD. **Prog Clin Biol Res** 1990;359:1–6; discussion 15–24 (17 ref.)
Omega 3 fatty acids and cancer metastasis in humans. Man-Fan Wan J, et al. **World Rev Nutr Diet** 1991;66:477–87 (36 ref.)

NEOPLASM METASTASIS, UNKNOWN PRIMARY see **NEOPLASMS, UNKNOWN PRIMARY**

NEOPLASM PROTEINS

Multidrug resistance. Fojo AT. **Adv Intern Med** 1991; 36:195–218 (148 ref.)

ANALYSIS

The pS2 gene, mRNA, and protein: a potential marker for human breast cancer. Rio MC, et al. **Cancer Cells** 1990 Aug–Sep;2(8–9):269–74 (46 ref.)
Immunoglobulins in diagnosis and monitoring of neoplasia. Bergsagel DE, et al. **Immunol Ser** 1990;53:501–19 (80 ref.)
Placental proteins as tumor markers. Braunstein GD. **Immunol Ser** 1990;53:673–701 (210 ref.)
Prostate cancer-associated markers. Chu TM. **Immunol Ser** 1990;53:339–56 (71 ref.)
Acute phase reactant proteins. Cooper EH. **Immunol Ser** 1990;53:521–36 (72 ref.)
Mucin glycoproteins as tumor markers. Feller WF, et al. **Immunol Ser** 1990;53:631–72 (299 ref.)
Uterine tumors. Kato H. **Immunol Ser** 1990;53:385–95 (56 ref.)
Fibronectin. Liwnicz BH, et al. **Immunol Ser** 1990;53:537–54 (149 ref.)
Use of monoclonal antibodies as probes for oncogene products. Niman HL. **Immunol Ser** 1990;53:189–204 (119 ref.)
Thyroid tumors. Seesko HG, et al. **Immunol Ser** 1990; 53:431–52 (133 ref.)
The clinical status of immunoscintigraphy with monoclonal antibodies in ocular melanoma. Schaling DF, et al. **Int J Biol Markers** 1991 Jan–Mar;6(1):25–30 (44 ref.)
Evaluation of the nucleolar organizer region associated proteins in minor salivary gland tumors. van Heerden WF, et al. **J Oral Pathol Med** 1991 Jul;20(6):291–5 (19 ref.)

BIOSYNTHESIS

The expression of peptide hormones in normal cells and tumour cells. Rehfeld JF, et al. **Acta Oncol** 1991; 30(4):429–33 (30 ref.)
Expression of tenascin and of the ED-B containing oncofetal fibronectin isoform in human cancer. Nicolò G, et al. **Cell Differ Dev** 1990 Dec 2;32(3):401–8 (28 ref.)
Expression of TGF-beta 2 in human glioblastoma: a role in resistance to immune rejection? Fontana A, et al. **Ciba Found Symp** 1991;157:232–8; discussion 238–41 (26 ref.)
Stimulation of tenascin expression in mesenchyme by epithelial-mesenchymal interactions. Ekblom P, et al. **Int J Dev Biol** 1989 Mar;33(1):71–9 (68 ref.)

BLOOD

The NMR blood test for cancer: current status. Fossel ET. **Cancer Cells** 1991 May;3(5):173–82 (55 ref.)
Testicular tumors. Lightner DJ, et al. **Immunol Ser** 1990; 53:397–401 (20 ref.)
Serum isoenzymes in cancer diagnosis and management. Mercer DW. **Immunol Ser** 1990;53:613–29 (82 ref.)

GENETICS

The pS2 gene, mRNA, and protein: a potential marker for human breast cancer. Rio MC, et al. **Cancer Cells** 1990 Aug–Sep;2(8–9):269–74 (46 ref.)
Structure and function of the pS2 gene and estrogen receptor in human breast cancer cells. Stack G, et al. **Cancer Treat Res** 1988;40:185–206 (62 ref.)
Human melanoma-associated antigens. Graf LH Jr, et al. **Immunol Ser** 1989;43:643–79 (147 ref.)
The bcl-2 gene and 14;18 translocation in lymphoproliferative disorders. Pezzella F, et al. **Nouv Rev Fr Hematol** 1990;32(6):397–9 (14 ref.)
[Expression of P-glycoprotein 170 (GP 170) and drug resistance in human cancers] Bourhis J, et al. **Bull Cancer (Paris)** 1990;77(10):957–65 (34 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Ki-67 staining as a means to simplify analysis of tumor cell proliferation [editorial] Hitchcock CL. **Am J Clin Pathol** 1991 Oct;96(4):444–6 (20 ref.)

METABOLISM

Protein phosphorylation events and changes in inositol metabolism during HL60 cell differentiation. Lord JM, et al. **Biochem Soc Trans** 1991 Apr;19(2):315–20 (13 ref.)
Tumor factors predicting for prognosis in metastatic breast cancer. The presence of P24 predicts for response to treatment and duration of survival. Seymour L, et al. **Cancer** 1990 Dec 1;66(11):2390–4 (49 ref.)

PHYSIOLOGY

Integrins and tumor invasion. Dedhar S. **Bioessays** 1990 Dec; 12(12):583–90 (70 ref.)
Cathepsin D in breast cancer. Rochefort H. **Breast Cancer Res Treat** 1990 Jul;16(1):3–13 (47 ref.)
Integrins in human cells and tumors. Virtanen I, et al. **Cell Differ Dev** 1990 Dec 2;32(3):215–27 (56 ref.)
Growth regulation of malignant clonogenic cells in acute myeloid leukemia. Cannistra SA. **Curr Opin Oncol** 1991 Feb;3(1):4–12 (43 ref.)
Interleukin-6 is the central tumor growth factor in vitro and in vivo in multiple myeloma. Klein B, et al. **Eur Cytokine Netw** 1990 Oct–Nov;1(4):193–201 (29 ref.)

NEOPLASM RECURRENCE, LOCAL

Recurrent multifocal adult rhabdomyoma diagnosed by fine-needle aspiration cytology: report of a case and review of the literature. Walker WP, et al. **Diagn Cytopathol** 1990; 6(5):354–8 (20 ref.)
Benign recurrence of a pilocytic cerebellar astrocytoma 36 years after radical removal: case report. Pagni CA, et al. **Neurosurgery** 1991 Apr;28(4):606–9 (42 ref.)
Malignant melanoma and pigmented lesions: a diagnostic and management dilemma. Sina B, et al. **South Med J** 1990 Oct;83(10):1218–23 (20 ref.)
Management of local and regional recurrence after mastectomy or breast-conserving treatment. Ames FC, et al. **Surg Clin North Am** 1990 Oct;70(5):1115–24 (34 ref.)
Clinical problems in follow-up of patients after conservative surgery and radiotherapy. Recht A, et al. **Surg Clin North Am** 1990 Oct;70(5):1179–86 (31 ref.)
The "seed and soil" hypothesis and the decline of radical surgery: a surgeon's opinion. Evans RA. **Tex Med** 1990 Sep;86(9):85–9 (42 ref.)
Local failure after definitive radiation or surgical therapy for carcinoma of the prostate and options for prevention and therapy. Schellhammer PF, et al. **Urol Clin North Am** 1991 Aug;18(3):485–99 (103 ref.)
Local failure and related complications after definitive treatment of carcinoma of the prostate by irradiation or surgery. Schellhammer PF, et al. **Urol Clin North Am** 1990 Nov;17(4):835–51 (105 ref.)
[Recurrence of intracardiac myxoma. A propos of 6 patients among 85 surgically treated] Loire R, et al. **Ann Cardiol Angeiol (Paris)** 1991 Jan;40(1):1–7 (42 ref.) (Eng. Abstr.) **(Fre)**
[Post-operative recurrence of naso-sinus polyposis] Meloni F, et al. **Acta Otorhinolaryngol Ital** 1990 Mar–Apr; 10(2):173–9 (17 ref.) (Eng. Abstr.) **(Ita)**
[Familial cardiac myxoma with multiple and contralateral recurrence] Ohshima N, et al. **Kyobu Geka** 1990 Dec; 43(13):1060–6 (17 ref.) (Eng. Abstr.) **(Jpn)**
[Primary superficial bladder carcinoma. Prognostic factors for recurrence] Jiménez Cruz JF, et al. **Arch Esp Urol** 1990; 43 Suppl 2:139–47 (43 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Colorectal cancer: cross-sectional imaging for staging of primary tumor and detection of local recurrence. Thoeni RF. **AJR Am J Roentgenol** 1991 May;156(5):909–15 (61 ref.)
Long-term management of differentiated thyroid cancer. Ross DS. **Endocrinol Metab Clin North Am** 1990 Sep; 19(3):719–39 (98 ref.)
Routine imaging studies for the posttreatment surveillance of breast and colorectal carcinoma. Kagan AR, et al. **J Clin Oncol** 1991 May;9(5):837–42 (21 ref.)
An unusual complication of silastic dural substitute: case report. Ng TH, et al. **Neurosurgery** 1990 Sep;27(3):491–3 (12 ref.)
Lung cancer imaging: primary diagnosis, staging, and local recurrence. Heelan R. **Semin Oncol** 1991 Apr;18(2):87–98 (39 ref.)
Follow-up of patients after primary colorectal cancer resection. Pommier R, et al. **Semin Surg Oncol** 1991 May–Jun;7(3):129–32 (20 ref.)
Evaluation of a patient prior to second-look surgery. Wanebo HJ, et al. **Semin Surg Oncol** 1991 May–Jun;7(3):133–7 (13 ref.)
[Pericardial effusions as the initial manifestation of extracardiac tumors. A discussion of 2 cases and a review of the literature] Mammarella A, et al. **Clin Ter** 1990 Oct 15;135(1):23–30 (36 ref.) (Eng. Abstr.) **(Ita)**
[The diagnosis and therapy of recurrent tumor of the rectum] Cafiero F, et al. **Minerva Chir** 1991 Apr 15;46(7):311–6 (36 ref.) (Eng. Abstr.) **(Ita)**
[Immediate breast reconstruction and oncologic criteria: our current definition] Pompei S, et al. **Rev Paul Med** 1990 Jan–Feb;108(1):21–5 (30 ref.) (Eng. Abstr.) **(Por)**

DRUG THERAPY

Chemotherapy for medulloblastoma/primitive neuroectodermal tumors of the posterior fossa. Packer RJ. **Ann Neurol** 1990 Dec;28(6):823–8 (28 ref.)
Systemic therapy with single agents for advanced or recurrent endometrial carcinoma. Thigpen T. **Cancer Treat Res** 1989;49:93–106 (51 ref.)
Chemotherapy for recurrent and metastatic head and neck cancer. Pinto HA, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):667–86 (150 ref.)
[Current aspects of treatment of multiple myeloma] Tribalto M, et al. **Ann Ital Med Int** 1988 Jul–Sep;3(3):193–202 (59 ref.) (Eng. Abstr.) **(Ita)**

EPIDEMIOLOGY

[Local recurrence after mastectomy by the Patey technique. Analysis of a personal caseload and characterization of risk factors] De Bernardinis G, et al. **G Chir** 1989 Jan–Feb; 10(1–2):19–23 (32 ref.) (Eng. Abstr.) **(Ita)**
[Locoregional recurrence of colorectal cancer] Enríquez Navascués JM, et al. **Rev Esp Enferm Dig** 1990 Sep; 78(3):151–8 (77 ref.) **(Spa)**

ETIOLOGY

Do peroperative blood transfusions increase the risk of cancer recurrence? Weiden PL. **Eur J Cancer** 1990;26(9):987–9 (15 ref.)

Gastrointestinal tumours after stapler vs vicryl anastomoses in carcinogen-treated rats. Buhr HJ, et al. **Eur J Surg Oncol** 1990 Dec;16(6):493–6 (21 ref.)

[Causes and management of local tumor recurrence after low resection of the rectum] Nagy A, et al. **Orv Hetil** 1990 Oct 14;131(41):2247–50 (21 ref.) (Eng. Abstr.) **(Hun)**

[Recurrence of colonic cancer at the site of anastomosis] Krasnodębski IW. **Pol Tyg Lek** 1990 Aug 20–27; 45(34–35):721–3 (42 ref.) **(Pol)**

MORTALITY

Influence of local recurrence on survival: a controversy reviewed from the perspective of soft tissue sarcoma. Barr LC, et al. **Br J Surg** 1991 Jun;78(6):648–50 (24 ref.)

Survival of cancer of the larynx related to treatment. Robin PE, et al. **Clin Otolaryngol** 1991 Apr;16(2):193–7 (6 ref.)

PATHOLOGY

Metastatic adenocarcinoma in cerebral astrocytoma: clinicopathological and immunohistochemical study with review of the literature. Tajika Y, et al. **Acta Neurochir (Wien)** 1990;105(1–2):50–5 (18 ref.)

Dedifferentiated liposarcoma with features of rhabdomyosarcoma. Salzano RP Jr, et al. **Conn Med** 1991 Apr;55(4):200–2 (12 ref.)

Inoperable recurrence after breast-conserving surgical treatment and radiotherapy. Kurtz JM, et al. **Surg Gynecol Obstet** 1991 May;172(5):357–61 (31 ref.)

[Localization of primary and recurrent bladder tumors] Samodai L, et al. **Orv Hetil** 1991 Jun 30;132(26):1421–6 (23 ref.) (Eng. Abstr.) **(Hun)**

PREVENTION & CONTROL

Low-dose preoperative radiation postpones recurrences in operable rectal cancer. Results of a randomized multicenter trial in western Norway. Dahl O, et al. **Cancer** 1990 Dec 1;66(11):2286–94 (53 ref.)

RADIONUCLIDE IMAGING

Radioimmunolocalization of pelvic recurrences from rectosigmoid cancer employing 111In anti-CEA F(ab')2. Aprile C, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):51–2 (13 ref.)

[PET scan in tumor diagnosis in the head and neck] Reisser C, et al. **Laryngorhinootologie** 1991 Apr;70(4):214–7 (16 ref.) (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

Electron arc therapy of the chest wall for breast cancer: rationale, dosimetry, and clinical aspects. Stewart JR, et al. **Front Radiat Ther Oncol** 1991;25:134–50 (41 ref.)

SURGERY

Skin cancer: a review with consideration of treatment options including Mohs micrographic surgery. Lambert DR, et al. **Ohio Med** 1990 Oct;86(10):745–7 (7 ref.)

Neoadjuvant treatment in locally advanced non-small cell lung cancer. Faber LP, et al. **Semin Surg Oncol** 1990; 6(5):255–62 (27 ref.)

Reoperation for colorectal carcinoma. Austgen TR, et al. **Surg Clin North Am** 1991 Feb;71(1):175–92 (77 ref.)

[Recurrence after radiotherapy and/or surgery of carcinoma of the oropharynx and the pharynx. Possibilities of salvage surgery] Bussi M, et al. **Radiol Med (Torino)** 1991 Jul–Aug; 82(1–2):137–42 (31 ref.) (Eng. Abstr.) **(Ita)**

[Autologous hematopoietic stem cell transplantation—application to recurrent breast cancer] Mukaiyama T, et al. **Gan To Kagaku Ryoho** 1990 Oct; 17(10):1989–96 (36 ref.) (Eng. Abstr.) **(Jpn)**

[Recurrent thymic carcinoid tumor—report of a case] Nawata S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jun;39(6):962–6 (14 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Breast cancer: chest wall hyperthermia–electron beam therapy. Kapp DS, et al. **Front Radiat Ther Oncol** 1991; 25:151–68; discussion 180–2 (45 ref.)

ImuVert therapy in the treatment of recurrent malignant astrocytomas: nursing implications. Cress NB, et al. **J Neurosci Nurs** 1991 Feb;23(1):29–33 (20 ref.)

Hyperthermia treatment for malignant brain tumors: nursing management during therapy. Edwards DK, et al. **J Neurosci Nurs** 1991 Feb;23(1):34–8 (21 ref.)

Thymic carcinoid—a case report and review of the literature. Akiyama S, et al. **Jpn J Surg** 1990 Sep;20(5):577–81 (4 ref.)

The child with recurrent solid tumor. Adamson PC, et al. **Pediatr Clin North Am** 1991 Apr;38(2):489–504 (47 ref.)

NEOPLASM REGRESSION, SPONTANEOUS

The spontaneous regression of cancer. A review of cases from 1900 to 1987. Challis GB, et al. **Acta Oncol** 1990; 29(5):545–50 (63 ref.)

Spontaneous regression of cardiac rhabdomyoma. Farooki ZQ, et al. **Am J Cardiol** 1991 Apr 15;67(9):897–9 (12 ref.)

Regression of malignant melanoma. Is it present as frequently as it is invoked? Rywlin AM. **Am J Dermatopathol** 1985; 7 Suppl:183–5 (11 ref.)

Spontaneous regression of juvenile nasopharyngeal angiofibroma. Weprin LS, et al. **Arch Otolaryngol Head Neck Surg** 1991 Jul;117(7):796–9 (15 ref.)

[A case of spontaneous disappearance of pulmonary metastasis of renal cell carcinoma following nephrectomy] Koike H, et al. **Hinyokika Kiyo** 1990 Dec;36(12):1443–6 (19 ref.) (Eng. Abstr.) **(Jpn)**

[Spontaneous complete remission in a patient with acute monocytic leukemia] Okagawa K, et al. **Rinsho Ketsueki** 1990 Nov;31(11):1872–7 (15 ref.) (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Spontaneous regression of metastatic melanoma. Hurwitz PJ. **Ann Plast Surg** 1991 Apr;26(4):403–6 (33 ref.)

The spontaneous regression of neuroblastoma. Experimental evidence for a natural host immunity. Bolande RP. **Pathol Annu** 1991;26 Pt 2:187–99 (39 ref.)

[Tumor necrosis factor/cachectin] Kubin M. **Acta Haematol Pol** 1990 Jan–Jun;21(1):105–12 (148 ref.) **(Pol)**

PATHOLOGY

[Papillomatosis between remission and malignant transformation—case reports and review of papillomatous tumors of the lower respiratory tract] Dobbertin I, et al. **Pneumologie** 1990 Sep;44(9):1086–105 (111 ref.) **(Ger)**

PHYSIOPATHOLOGY

Zollinger-Ellison syndrome. A new look at regression of gastrinomas. Delcore R, et al. **Arch Surg** 1991 May; 126(5):556–8 (21 ref.)

NEOPLASM REMISSION, SPONTANEOUS see **NEOPLASM REGRESSION, SPONTANEOUS**

NEOPLASM RNA see **RNA, NEOPLASM**

NEOPLASM SEEDING

Peritoneal seeding following potentially curative resection of colonic carcinoma: implications for adjuvant therapy. Brodsky JT, et al. **Dis Colon Rectum** 1991 Aug;34(8):723–7 (26 ref.)

Implantation of parotid pleomorphic adenoma in the upper neck. Ferlito A, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(3):165–76 (157 ref.)

Complications of percutaneous abdominal fine-needle biopsy. Review. Smith EH. **Radiology** 1991 Jan;178(1):253–8 (52 ref.)

The "seed and soil" hypothesis and the decline of radical surgery: a surgeon's opinion. Evans RA. **Tex Med** 1990 Sep;86(9):85–9 (42 ref.)

[Recurrence of colonic cancer at the site of anastomosis] Krasnodębski IW. **Pol Tyg Lek** 1990 Aug 20–27; 45(34–35):721–3 (42 ref.) **(Pol)**

NEOPLASM STAGING

Staging of cancer. Beahrs OH. **CA** 1991 Mar–Apr;41(2):121–5 (7 ref.)

Surgical treatment of non-small cell lung cancer by stage. Martini N. **Semin Surg Oncol** 1990;6(5):248–54 (39 ref.)

METHODS

Surgical management of endometrial cancer. Wain G, et al. **Cancer Treat Res** 1989;49:23–40 (48 ref.)

Surgical staging of cervical cancer. Heaps JM, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):852–62 (75 ref.)

Current recommendations for the staging and restaging of lymphoma. Ultmann JE, et al. **Curr Opin Oncol** 1989 Oct; 1(1):17–22 (7 ref.)

Invasive and noninvasive techniques of staging in potentially operable lung cancer. Ginsberg RJ. **Semin Surg Oncol** 1990; 6(5):244–7 (25 ref.)

Preoperative staging of gastrointestinal tumors by endosonography. Ziegler K, et al. **Surg Endosc** 1990; 4(3):154–60 (65 ref.)

STANDARDS

Irrationality in the management of breast cancer. I. The staging system. Nachlas MM. **Cancer** 1991 Aug 15; 68(4):681–90 (34 ref.)

NEOPLASM STRUCTURAL GENES see **GENES, STRUCTURAL, NEOPLASM**

NEOPLASM TRANSPLANTATION

Tumor transplantation and tumor immunity: a personal view. Scott OC. **Cancer Res** 1991 Feb 1;51(3):757–63 (72 ref.)

NEOPLASMS

see related
DNA, NEOPLASM
ONCOGENIC VIRUSES
PLEURAL EFFUSION, MALIGNANT
PRECANCEROUS CONDITIONS
RNA, NEOPLASM

Cellular mechanisms of lymphocyte-mediated lysis of tumor cells. Arancia G, et al. **Ann Ist Super Sanita** 1990; 26(3–4):369–84 (178 ref.)

Resuscitation of patients with metastatic cancer. Is transient benefit still futile? Faber-Langendoen K. **Arch Intern Med** 1991 Feb;151(2):235–9 (33 ref.)

Radioantibodies for the diagnosis and treatment of cancer; radioimmunoimaging (RAI) and radioimmunotherapy (RAT). Sfakianakis GN, et al. **Cancer Invest** 1990; 8(3–4):381–405 (127 ref.)

Joint NCI-EORTC consensus meeting on neoplasia in the elderly. San Servolo Island, Venice, 15–16 October 1990. Monfardini S, et al. **Eur J Cancer** 1991;27(5):653–4 (4 ref.)

Tumor vaccines. Stevenson FK. **FASEB J** 1991 Jun; 5(9):2250–7 (44 ref.)

Purposes and uses of cancer registration. Jensen OM, et al. **IARC Sci Publ** 1991;(95):7–21 (0 ref.)

Planning a cancer registry. Jensen OM, et al. **IARC Sci Publ** 1991;(95):22–8 (0 ref.)

Cancer registration: principles and methods. Items of patient information which may be collected by registries. MacLennan R. **IARC Sci Publ** 1991;(95):43–63 (0 ref.)

Cancer registration: legal aspects and confidentiality. Muir CS, et al. **IARC Sci Publ** 1991;(95):199–207 (0 ref.)

Cancer registration in developing countries. Parkin DM, et al. **IARC Sci Publ** 1991;(95):185–98 (0 ref.)

Cancer registration: principles and methods. Data sources and reporting. Powell J. **IARC Sci Publ** 1991;(95):29–42 (0 ref.)

Cancer registration: principles and methods. Quality and quality control. Skeet RG. **IARC Sci Publ** 1991;(95):101–7 (0 ref.)

Manual and computerized cancer registries. Skeet RG. **IARC Sci Publ** 1991;(95):82–100 (0 ref.)

The hospital-based cancer registry. Young JL. **IARC Sci Publ** 1991;(95):177–84 (0 ref.)

Common solid tumors of childhood. Crist WM, et al. **N Engl J Med** 1991 Feb 14;324(7):461–71 (168 ref.)

Brain function, learning styles, and cancer patient education. Villejo L, et al. **Semin Oncol Nurs** 1991 May;7(2):97–104 (50 ref.)

BLOOD

The NMR blood test for cancer: current status. Fossel ET. **Cancer Cells** 1991 May;3(5):173–82 (55 ref.)

Methodologies to estimate circulating hematopoietic progenitors for autologous transplantation in cancer patients. Ravagnani F, et al. **Haematologica** 1991 Mar;76 Suppl 1:46–9 (21 ref.)

Elevated creatine kinase and malignancy. Eng C, et al. **Hosp Pract [Off]** 1990 Dec 15;25(12):123, 126, 129–30 (11 ref.)

Plasmatic markers of haemostatic system activation in patients with solid neoplasms. Sagripanti A, et al. **J Nucl Med Allied Sci** 1990 Oct–Dec;34(4):321–32 (37 ref.)

No correlation between tumor markers and prognosis under polygenic control systems. Chigira M, et al. **Med Hypotheses** 1990 Aug;32(4):245–7 (57 ref.)

CEA in tumors of other than colorectal origin. Chevinsky AH. **Semin Surg Oncol** 1991 May–Jun;7(3):162–6 (53 ref.)

Fibrinolysis and cancer. Kwaan HC, et al. **Semin Thromb Hemost** 1990 Jul;16(3):230–5 (74 ref.)

[Cytogenetic changes in peripheral blood lymphocytes of oncology patients] Polishchuk LZ, et al. **Tsitol Genet** 1990 Nov–Dec;24(6):46–56 (103 ref.) (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Vascular attack as a therapeutic strategy for cancer. Denekamp J. **Cancer Metastasis Rev** 1990 Nov;9(3):267–82 (88 ref.)

Endothelial cells and angiogenic growth factors in cancer growth and metastasis. Introduction. Folkman J. **Cancer Metastasis Rev** 1990 Nov;9(3):171–4 (35 ref.)

Novel growth regulatory factors and tumour angiogenesis. Bicknell R, et al. **Eur J Cancer** 1991;27(6):781–3 (71 ref.)

Vascular endothelial cell differentiation: organ-specificity and selective affinities as the basis for developing anti-cancer strategies. Auerbach R. **Int J Radiat Biol** 1991 Jul–Aug;60(1–2):1–10 (24 ref.)

The effect of therapy on tumour vascular function. Chaplin DJ. **Int J Radiat Biol** 1991 Jul–Aug;60(1–2):311–25 (97 ref.)

Modification of tumour blood flow—a review. Peterson HI. **Int J Radiat Biol** 1991 Jul–Aug;60(1–2):201–10 (70 ref.)

Vascular density in relation to the outcome of radiation therapy: a review. Révész L. **Int J Radiat Biol** 1991 Jul–Aug;60(1–2):179–82 (12 ref.)

Tumor angiogenesis. Tobelem G. **Nouv Rev Fr Hematol** 1990; 32(6):405–6 (9 ref.)

CHEMICALLY INDUCED

Quantitating the production of biological reactive intermediates in target tissues: example, dichloromethane. Reitz RH. **Adv Exp Med Biol** 1991;283:649–55 (12 ref.)

Molecular mechanisms of nickel carcinogenesis. Costa M. **Annu Rev Pharmacol Toxicol** 1991;31:321–37 (51 ref.)
Carcinogenic effects of man-made vitreous fibers. Enterline PE. **Annu Rev Public Health** 1991;12:459–80 (55 ref.)
Hereditary polymorphisms of human drug metabolizing enzymes and cancer susceptibility. Gonzalez FJ. **Birth Defects** 1990;26(1):17–42 (96 ref.)
Asphalt and risk of cancer in man. Chiazze L Jr, et al. **Br J Ind Med** 1991 Aug;48(8):538–42 (17 ref.)
Mechanisms of organ specificity in chemical carcinogenesis. Dong ZA, et al. **Cancer Invest** 1990;8(5):523–33 (86 ref.)
Long-term carcinogenesis studies on 2,3,7,8-tetrachlorodibenzo-p-dioxin and hexachlorodibenzo-p-dioxins. Huff JE, et al. **Cell Biol Toxicol** 1991 Jan;7(1):67–94 (81 ref.)
Oral contraceptives and neoplasia: an introduction. Skegg DC. **Contraception** 1991 Jun;43(6):521–5 (10 ref.)
Nicotine-derived N-nitrosamines (TSNA) and their relevance in tobacco carcinogenesis. Hoffmann D, et al. **Crit Rev Toxicol** 1991;21(4):305–11 (38 ref.)
Evaluation of the evidence that tobacco-specific nitrosamines (TSNA) cause cancer in humans. Preston-Martin S. **Crit Rev Toxicol** 1991;21(4):295–8 (37 ref.)
Carcinogenicity of tobacco-specific N-nitrosamines (TSNA): the role of the vascular network in the selection of target organs. Rivenson A, et al. **Crit Rev Toxicol** 1991; 21(4):255–64 (39 ref.)
The relationship between oral contraceptive use, cancer and vascular disease. La Vecchia C, et al. **Drug Saf** 1990 Nov-Dec;5(6):436–46 (77 ref.)
Epidemiologic approaches to assessing human cancer risk from consuming aquatic food resources from chemically contaminated water. Ozonoff D, et al. **Environ Health Perspect** 1991 Jan;90:141–6 (79 ref.)
Safety evaluation of substances consumed as technical ingredients (food additives). Poulsen E. **Food Addit Contam** 1991 Mar-Apr;8(2):125–33 (23 ref.)
An overview of the relationship between oxidative stress and chemical carcinogenesis. Trush MA, et al. **Free Radic Biol Med** 1991;10(3-4):201–9 (87 ref.)
N-nitroso compounds and human cancer: where do we stand? Bartsch H. **IARC Sci Publ** 1991;(105):1–10 (46 ref.)
Interaction between human carcinogens. Kaldor JM, et al. **IARC Sci Publ** 1990;(104):35–43 (29 ref.)
Approaches to detecting individual exposure to carcinogens. Montesano R. **IARC Sci Publ** 1990;(104):11–9 (56 ref.)
Air pollution and cancer. Pershagen G. **IARC Sci Publ** 1990; (104):240–51 (68 ref.)
Biologically based models for risk assessment. Portier CJ, et al. **IARC Sci Publ** 1990;(104):20–8 (23 ref.)
Neoplastic effects of oral contraceptives. Grimes DA. **Int J Fertil** 1991;36 Suppl 1:19–24 (20 ref.)
Cancer occurring after radiotherapy and chemotherapy. Holm LE. **Int J Radiat Oncol Biol Phys** 1990 Nov; 19(5):1303–8 (33 ref.)
Chromium toxicity and carcinogenesis. Alcedo JA, et al. **Int Rev Exp Pathol** 1990;31:85–108 (99 ref.)
The carcinogenic potential of cadmium, arsenic, and selenium and the associated public health and regulatory implications. Fan AM. **J Toxicol Sci** 1990 Dec;15 Suppl 4:162–75 (44 ref.)
Molecular mechanisms of oxygen radical carcinogenesis and mutagenesis: the role of DNA base damage. Breimer LH. **Mol Carcinog** 1990;3(4):188–97 (120 ref.)
Early indicators of non-genotoxic carcinogenesis. Overview. Scientific and organizing committee. **Mutat Res** 1991 Jun; 248(2):213–6 (0 ref.)
DNA alkylation damage: consequences and relevance to tumour production. Hall J, et al. **Mutat Res** 1990 Nov-Dec; 233(1-2):247–52 (45 ref.)
Role of genetics and drug metabolism in human cancer risk. Nebert DW. **Mutat Res** 1991 Apr;247(2):267–81 (62 ref.)
Cancer hazards in the recombinant laboratory. Stark AA. **Occup Med** 1991 Apr-Jun;6(2):311–21 (33 ref.)
Pathogenic and carcinogenic properties of silicon carbide. Cichy B. **Pol J Occup Med** 1989;2(1):87–96 (29 ref.)
Chemical food contaminants in the initiation of cancer. Tricker AR, et al. **Proc Nutr Soc** 1990 Jul;49(2):133–44 (53 ref.)
Modulation of intercellular communication during radiation and chemical carcinogenesis. Trosko JE, et al. **Radiat Res** 1990 Sep;123(3):241–51 (142 ref.)
Human health effects: what the data indicate. Gough M. **Sci Total Environ** 1991 May 1;104(1-2):129–58 (92 ref.)
[Cancer and alcohol: epidemiological relationship] Tuyns AJ. **Rev Med Suisse Romande** 1991 May;111(5):389–91 (12 ref.) **(Fre)**
[The contraceptive pill and cancer] Lancet M. **Harefuah** 1990 Dec 16;119(12):432–7 (71 ref.) **(Heb)**
[Carcinogenic risk of automobile exhaust: a review] Lagorio S, et al. **Epidemiol Prev** 1990 Jun;12(43):38–55 (57 ref.) (Eng. Abstr.) **(Ita)**
[Carcinogenicity of anticancer agents] Hayashi Y, et al. **Gan To Kagaku Ryoho** 1990 Dec;17(12):2293–8 (10 ref.) (Eng. Abstr.) **(Jpn)**
[Bioactivation of xenobiotics by cytochrome P-448 and its role in the process of carcinogenesis] Lutz W, et al. **Postepy Hig Med Dosw** 1989;43(5-6):511–39 (76 ref.) (Eng. Abstr.) **(Pol)**
[Ethylene oxide and cancer] Barrasa Villar JI, et al. **Med Clin (Barc)** 1991 Feb 2;96(4):152–6 (49 ref.) **(Spa)**

CHEMISTRY

In vitro and in vivo detection of somatostatin receptors in human malignant tissues. Reubi JC, et al. **Acta Oncol** 1991; 30(4):463–8 (20 ref.)
Integrins in human cells and tumors. Virtanen I, et al. **Cell Differ Dev** 1990 Dec 2;32(3):215–27 (56 ref.)
Chromogranin A: its role in endocrine function and as an endocrine and neuroendocrine tumor marker. Deftos LJ. **Endocr Rev** 1991 May;12(2):181–7 (55 ref.)
Tenascin in normal, reactive, hyperplastic, and neoplastic tissues: biologic and pathologic implications. Koukoulis GK, et al. **Hum Pathol** 1991 Jul;22(7):636–43 (60 ref.)
Immunoglobulins in diagnosis and monitoring of neoplasia. Bergsagel DE, et al. **Immunol Ser** 1990;53:501–19 (80 ref.)
Acute phase reactant proteins. Cooper EH. **Immunol Ser** 1990;53:521–36 (72 ref.)
Fibronectin. Liwnicz BH, et al. **Immunol Ser** 1990;53:537–54 (149 ref.)
Cholesterol oxides and carcinogenesis. Morin RJ, et al. **J Clin Lab Anal** 1991;5(3):219–25 (55 ref.)

CLASSIFICATION

Cancer registration: principles and methods. Classification and coding of neoplasms. Muir CS, et al. **IARC Sci Publ** 1991;(95):64–81 (0 ref.)

COMPLICATIONS

Neoplasms associated with pulmonary eosinophilic granuloma. Tomashefski JF, et al. **Arch Pathol Lab Med** 1991 May;115(5):499–506 (42 ref.)
Hypocalcemia in cancer. Abramson EC, et al. **Bone Miner** 1990 Sep;10(3):161–9 (46 ref.)
Cancer cachexia [editorial] Tisdale MJ. **Br J Cancer** 1991 Mar;63(3):337–42 (63 ref.)
Malignant effusions. Olopade OI, et al. **CA** 1991 May-Jun; 41(3):166–79 (56 ref.)
Fungal infections in cancer patients. Meunier F. **Cancer Invest** 1991;9(2):151–8 (77 ref.)
The treatment of hypercalcaemia of malignancy. Heath D. **Clin Endocrinol (Oxf)** 1991 Feb;34(2):155–7 (13 ref.)
Treatment of patients with anemia of malignancy with recombinant human erythropoietin. Herrmann F, et al. **Contrib Nephrol** 1991;88:238–45; discussion 246–7 (15 ref.)
Hypercalcemia of malignancy: pathophysiology, diagnosis and treatment. Mosekilde L, et al. **Crit Rev Oncol Hematol** 1991;11(1):1–27 (276 ref.)
Prevention of and therapy for infection in cancer patients. Schimpff SC. **Curr Opin Oncol** 1990 Oct;2(5):919–23 (14 ref.)
Myositis and malignancy. Callen JP. **Curr Opin Rheumatol** 1989 Dec;1(4):468–72 (6 ref.)
Rheumatic manifestations of neoplasia. Schwarzer AC, et al. **Curr Opin Rheumatol** 1991 Feb;3(1):145–54 (45 ref.)
Rheumatic manifestations of neoplasia. Schwarzer AC, et al. **Curr Opin Rheumatol** 1989 Dec;1(4):545–50 (5 ref.)
HIV-related malignancies. Schwartz JJ, et al. **Dermatol Clin** 1991 Jul;9(3):503–15 (124 ref.)
Management of AIDS and its neoplastic complications. Errante D, et al. **Eur J Cancer** 1991;27(3):380–9 (101 ref.)
Extrathymic malignancy in patients with myasthenia gravis. Monden Y, et al. **Eur J Cancer** 1991;27(6):745–7 (15 ref.)
Infections in cancer patients: differences between developed and less developed countries? [comment] Schimpff SC. **Eur J Cancer** 1991;27(4):407–8 (11 ref.) Comment on: Eur J Cancer 1991;27(4):423–6.
Spectrum of Aeromonas and Plesiomonas infections in patients with cancer and AIDS. Rolston KV, et al. **Experientia** 1991 May 15;47(5):437–9 (11 ref.)
Palliation of malignant obstructive jaundice—surgery or stent? Hatfield AR. **Gut** 1990 Dec;31(12):1339–40 (11 ref.)
Follow-up and care of childhood cancer survivors. Meadows AT. **Hosp Pract [Off]** 1991 Feb 15;26(2):99–102, 105–8 (15 ref.)
Lymphomas and other neoplasms associated with AIDS. Ziegler JL. **Immunol Ser** 1989;44:359–70 (39 ref.)
The relationship of pemphigus to neoplasia. Younus J, et al. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 1):498–502 (33 ref.)
Use of amphotericin B in immunosuppressed patients with cancer. Part Two: Pharmacodynamics and nursing implications. Holtzclaw BJ, et al. **Oncol Nurs Forum** 1990 Sep-Oct;17(5):737–42 (25 ref.)
Use of amphotericin B in immunosuppressed patients with cancer. Part One: Pharmacology and toxicities. Rutledge DN, et al. **Oncol Nurs Forum** 1990 Sep-Oct;17(5):731–6 (48 ref.)
Understanding cerebral edema: implications for oncology nurses. Saba MT, et al. **Oncol Nurs Forum** 1991 Apr; 18(3):499–505 (25 ref.)
Pediatric AIDS: a perspective for the oncologist. Horowitz ME, et al. **Oncology (Williston Park)** 1990 Dec;4(12):21–7; discussion 27–8, 30 (13 ref.)
Current diagnosis and management of toxoplasmosis in cancer patients. McCabe RE. **Oncology (Williston Park)** 1990 Oct;4(10):81–90; discussion 93–4 (46 ref.)
Ophthalmic manifestations of systemic cancer. Tang RA, et al. **Oncology (Williston Park)** 1991 Jan;5(1):59–66; discussion 66, 71 (37 ref.)
Fungal infections in patients with cancer. Anaissie EJ, et al. **Pharmacotherapy** 1990;10(6 (Pt 3)):164S–169S (47 ref.)
The management of nausea and vomiting. Sykes N. **Practitioner** 1990 Mar 22;234(1485):286–90 (7 ref.)
The acquired immunodeficiency syndrome (AIDS) and neoplasia. Beckstead JH. **Prog AIDS Pathol** 1989;1:201–12 (90 ref.)
Properties of parathyroid hormone-related protein and its role in malignant hypercalcaemia. Martin TJ. **Q J Med** 1990 Aug;76(280):771–86 (71 ref.)
Spectrum and treatment of bacterial infections in cancer patients with granulocytopenia. Calandra T. **Recent Results Cancer Res** 1991;121:329–36 (31 ref.)
Relief from respiratory distress in advanced cancer patients. Drings P, et al. **Recent Results Cancer Res** 1991;121:366–77 (31 ref.)
Treatment and support in confusional states. Lesko LM, et al. **Recent Results Cancer Res** 1991;121:378–92 (19 ref.)
Tumor anorexia: causes, assessment, treatment. Ollenschläger G, et al. **Recent Results Cancer Res** 1991;121:249–59 (64 ref.)
Prevention of infections in granulocytopenic patients by fluorinated quinolones. Rozenberg-Arska M, et al. **Recent Results Cancer Res** 1991;121:337–46 (60 ref.)
Coping with cancer pain. Seemann H, et al. **Recent Results Cancer Res** 1991;121:58–67 (36 ref.)
Nutritional support of patients with advanced cancer. Souchon VF. **Recent Results Cancer Res** 1991;121:260–5 (6 ref.)
Is the therapeutic use of opioids adversely affected by prejudice and law? Zenz M, et al. **Recent Results Cancer Res** 1991;121:43–50 (17 ref.)
Cancer pain: pathogenesis, therapy, and assessment. Zimmermann M. **Recent Results Cancer Res** 1991;121:8–23 (97 ref.)
Leptotrichia buccalis bacteremia in patients with cancer: report of four cases and review. Weinberger M, et al. **Rev Infect Dis** 1991 Mar-Apr;13(2):201–6 (45 ref.)
Alleviation of cancer anorexia and cachexia: studies of the Mayo Clinic and the North Central Cancer Treatment Group. Loprinzi CL, et al. **Semin Oncol** 1990 Dec;17(6 Suppl 9):8–12 (47 ref.)
Invasive pulmonary aspergillosis in patients with neoplastic diseases. Walsh TJ. **Semin Respir Infect** 1990 Jun; 5(2):111–22 (67 ref.)
Newly identified factors that alter host metabolism in cancer cachexia. Tisdale MJ. **Trends Pharmacol Sci** 1990 Dec; 11(12):473–5 (23 ref.)
Endocrine diarrhoeas: current concepts. Misra SC. **Trop Gastroenterol** 1990 Apr-Jun;11(2):87–98 (50 ref.)
Hypercalcemia in malignancy. Strewler GJ, et al. **West J Med** 1990 Dec;153(6):635–40 (109 ref.)
[Respiratory distress and its treatment in the cancer patient] Sculier JP. **Rev Med Brux** 1990 Dec;11(10):513–21 (50 ref.) (Eng. Abstr.) **(Fre)**
[Tumorous osteopathy and tumorous hypercalcemia] Thiébaud D, et al. **Internist (Berl)** 1990 Dec;31(12):756–62 (49 ref.) **(Ger)**
[Intestinal obstruction in cancer patients] Gutman M, et al. **Harefuah** 1990 Aug;119(3-4):93–5 (18 ref.) **(Heb)**
[Clinical and pathophysiological aspects of thromboembolic phenomena in cancer] Sheran A, et al. **Harefuah** 1990 Aug; 119(3-4):89–93 (40 ref.) **(Heb)**
[Late data in pediatric oncology] Paolucci G, et al. **Pediatr Med Chir** 1990 Jul-Aug;12(4):323–7 (9 ref.) (Eng. Abstr.) **(Ita)**
[Malignant humoral hypercalcemia and the parathyroid hormone related protein] Jemtland R, et al. **Tidsskr Nor Laegeforen** 1991 May 30;111(14):1738–42 (47 ref.) (Eng. Abstr.) **(Nor)**
[Treatment of neoplastic hypercalcemia] Herrero Huerta F, et al. **An Med Interna** 1991 Feb;8(2):94–7 (32 ref.) (Eng. Abstr.) **(Spa)**

CONGENITAL

Prenatal diagnosis of fetal tumors by ultrasonography. Wienk MA, et al. **Obstet Gynecol Surv** 1990 Oct;45(10):639–53 (83 ref.)

DIAGNOSIS

Recent advances in magnetic resonance imaging of musculoskeletal tumours. Munk PL. **Can Assoc Radiol J** 1991 Feb;42(1):39–47 (52 ref.)
Diagnostic imaging in cancer care. The role of cost/benefit analysis. Evens RG. **Cancer** 1991 Feb 15;67(4 Suppl):1245–52 (54 ref.)
New directions in medical imaging of cancer. Magnetic resonance methods and single photon emission computed tomography. Nunnally RL, et al. **Cancer** 1991 Feb 15;67(4 Suppl):1271–7 (68 ref.)
Advances in medical imaging for cancer diagnosis and treatment. Wagner HN Jr, et al. **Cancer** 1991 Feb 15;67(4 Suppl):1121–8 (52 ref.)
Trends in primary and secondary prevention. Tubiana M. **Cancer Detect Prev** 1991;15(1):1–5 (0 ref.)
Effusion cytology. Ehya H. **Clin Lab Med** 1991 Jun; 11(2):443–67 (72 ref.)
Monoclonal antibodies in cancer diagnosis. Natali PG, et al. **Curr Opin Immunol** 1989-90;2(5):697–701 (26 ref.)
The Monoclonal Antibody Program of the Cuban Institute of Oncology and Radiobiology. Lage A. **Eksp Onkol** 1990; 12(6):26–30, 64 (6 ref.)
Placental proteins as tumor markers. Braunstein GD. **Immunol Ser** 1990;53:673–701 (210 ref.)
Enhanced detection systems for enzyme-linked

heterogeneous immunoassays: luminescence. Edwards JC, et al. **Immunol Ser** 1990;53:95–106 (39 ref.)
Mucin glycoproteins as tumor markers. Feller WF, et al. **Immunol Ser** 1990;53:631–72 (299 ref.)
Some statistical methods for immunodiagnostic cancer tests. Gail MH. **Immunol Ser** 1990;53:13–25 (26 ref.)
Predictive value of immunodiagnostic cancer tests. Galen RS. **Immunol Ser** 1990;53:3–11 (14 ref.)
Strategies for heterogeneous enzyme immunoassays for tumor markers. King WJ, et al. **Immunol Ser** 1990;53:83–93 (30 ref.)
Recent advances in flow cytometric techniques for cancer detection and prognosis. McCoy JP Jr, et al. **Immunol Ser** 1990;53:171–87 (94 ref.)
Use of multiple markers to enhance clinical utility. Mercer DW. **Immunol Ser** 1990;53:39–54 (55 ref.)
Pancarcinoma T and Tn epitopes: autoimmunogens and diagnostic markers that reveal incipient carcinomas and help establish prognosis. Springer GF, et al. **Immunol Ser** 1990;53:587–612 (137 ref.)
Use of immunologic techniques in gene analysis. Turco E, et al. **Immunol Ser** 1990;53:205–22 (23 ref.)
Multivariate techniques to assess laboratory tests in cancer patients. Winkel P, et al. **Immunol Ser** 1990;53:27–38 (13 ref.)
Oncogene proteins as biomarkers in the molecular epidemiology of occupational carcinogenesis. The example of the ras oncogene–encoded p21 protein. Brandt-Rauf PW. **Int Arch Occup Environ Health** 1991;63(1):1–8 (43 ref.)
Evaluation of the child with a suspected malignant solid tumor. Fletcher BD, et al. **Pediatr Clin North Am** 1991 Apr;38(2):223–48 (78 ref.)
Ki-67 and other proliferation markers useful for immunohistological diagnostic and prognostic evaluations in human malignancies. Gerdes J. **Semin Cancer Biol** 1990 Jun;1(3):199–206 (51 ref.)
Use of keratin antibodies in tumor diagnosis. Lane EB, et al. **Semin Cancer Biol** 1990 Jun;1(3):165–79 (137 ref.)
CEA in tumors of other than colorectal origin. Chevinsky AH. **Semin Surg Oncol** 1991 May–Jun;7(3):162–6 (53 ref.)
[Magnetic resonance spectroscopy; current possibilities for the staging of tumors and the evaluation of response to therapy] Sijens PE, et al. **Ned Tijdschr Geneeskd** 1991 Mar 2;135(9):361–6 (29 ref.) **(Dut)**
[NMR tomography in oncology] Knauf W, et al. **Dtsch Med Wochenschr** 1991 Apr 26;116(17):661–4 (21 ref.) **(Ger)**
[Magnetic resonance in oncology] Terrier F, et al. **Schweiz Med Wochenschr** 1990 Sep 1;120(35):1257–72 (82 ref.) (Eng. Abstr.) **(Ger)**
[DNA cytometry and automation in clinical diagnostics] Böcking A. **Verh Dtsch Ges Pathol** 1990;74:176–85 (32 ref.) (Eng. Abstr.) **(Ger)**
[What importance do tumor markers have in life insurance medicine?] Binsack T, et al. **Versicherungsmedizin** 1990 Dec 1;42(6):157–62 (15 ref.) (Eng. Abstr.) **(Ger)**
[Magnetic resonance tomography of the whole body—methodology and clinical results] Sandring KH, et al. **Z Arztl Fortbild (Jena)** 1990;84(24):1259–63 (19 ref.) **(Ger)**
[Immunologic tumor diagnosis] Schmolke B. **Z Lymphol** 1990 Dec;14(2):58–61 (0 ref.) (Eng. Abstr.) **(Ger)**
[Present status of tumor markers] Hirai H. **Hum Cell** 1988 Mar;1(1):1–9 (70 ref.) (Eng. Abstr.) **(Jpn)**
[Recent progress in polyamine research] Ohsawa N. **Hum Cell** 1990 Jun;3(2):91–8 (4 ref.) (Eng. Abstr.) **(Jpn)**
[Antigenic markers in the cytological diagnosis of human malignant neoplasms] Frank GA, et al. **Arkh Patol** 1990; 52(8):70–4 (53 ref.) (Eng. Abstr.) **(Rus)**
[The usefulness of biochemical markers of bone remodelling in the diagnosis and follow-up of Paget's disease of bone, primary hyperparathyroidism, tumoral hypercalcemia and postmenopausal osteoporosis. I. The markers of bone formation] de la Piedra Gordo C, et al. **An Med Interna** 1990 Sep;7(9):480–6 (39 ref.) (Eng. Abstr.) **(Spa)**

DIET THERAPY

Fatty acids, lipid peroxidation and diseases. Bégin ME. **Proc Nutr Soc** 1990 Jul;49(2):261–7 (35 ref.)
Alternative dietary therapies in cancer patients. Hunter M. **Recent Results Cancer Res** 1991;121:293–5 (3 ref.)
[The effect of diet on the treatment of malignant diseases] Henriksson R, et al. **Nord Med** 1990;105(11):289–91 (15 ref.) (Eng. Abstr.) **(Swe)**

DRUG THERAPY

Protracted intravenous infusion of 5-fluorouracil in combination treatments. A review. Hansen RM. **Acta Oncol** 1991;30(1):7–10 (41 ref.)
Adjuvant chemotherapy. A discussion of some basic principles. Ringborg U. **Acta Oncol** 1991;30(2):251–3 (9 ref.)
Perspectives for the combined use of photodynamic therapy and hyperthermia in cancer patient. Freitas I, et al. **Adv Exp Med Biol** 1990;267:511–20 (28 ref.)
Hyperthermia and chemotherapy. Galen WP. **Adv Exp Med Biol** 1990;267:209–16 (19 ref.)
Cancer chemotherapy. Secchi GC. **Ann Ital Med Int** 1990 Jul–Sep;5(3 Pt 3):288–95 (9 ref.)
The multifrequency (circadian, fertility cycle, and season) balance between host and cancer. Hrushesky WJ. **Ann N Y Acad Sci** 1991;618:228–56 (56 ref.)
The therapeutic index of cytotoxic chemotherapy depends upon circadian drug timing. Von Roemeling R. **Ann N Y Acad Sci** 1991;618:292–311 (80 ref.)
The influence of information on drug resistance on protocol design. DeVita VT Jr. **Ann Oncol** 1991 Feb;2(2):93–106 (90 ref.)
Somatostatin and analogues in the treatment of cancer. A review [see comments] Evers BM, et al. **Ann Surg** 1991 Mar;213(3):190–8 (81 ref.) Comment in: Ann Surg 1991 Mar;213(3):189.
Multidrug resistance. Pastan I, et al. **Annu Rev Med** 1991; 42:277–86 (25 ref.)
Clinical significance of multiple drug resistance in human cancers. Bénard J, et al. **Anticancer Res** 1990 Sep–Oct; 10(5A):1297–302 (40 ref.)
Drug resistance, the last frontier? Kellen JA. **Anticancer Res** 1991 Mar–Apr;11(2):917–9 (20 ref.)
A potential role for antisense oligonucleotide analogues in the development of oncogene targeted cancer chemotherapy. Tidd DM. **Anticancer Res** 1990 Sep–Oct; 10(5A):1169–82 (129 ref.)
Recent advances with monoclonal antibody drug targeting for the treatment of human cancer. Koppel GA. **Bioconjug Chem** 1990 Jan–Feb;1(1):13–23 (45 ref.)
The linkage of cytotoxic drugs to monoclonal antibodies for the treatment of cancer. Pietersz GA. **Bioconjug Chem** 1990 Mar–Apr;1(2):89–95 (74 ref.)
New targets for cancer chemotherapy—poly(ADP-ribosylation) processing and polyisoprene metabolism. Alderson T. **Biol Rev Camb Philos Soc** 1990 Nov;65(4):623–41 (91 ref.)
Selenium. Preclinical studies of anticancer therapeutic potential. Batist G. **Biol Trace Elem Res** 1988 Jan–Apr; 15:223–9 (21 ref.)
Clinical experience of targeted therapy. Eichler HG. **Biotherapy** 1991;3(1):77–85 (71 ref.)
Clinical studies with TNF. Taguchi T, et al. **Biotherapy** 1991; 3(2):177–86 (40 ref.)
Drug–target interactions: only the first step in the commitment to a programmed cell death? Dive C, et al. **Br J Cancer** 1991 Jul;64(1):192–6 (78 ref.)
Unproven methods of cancer management. Laetrile. **CA** 1991 May–Jun;41(3):187–92 (35 ref.)
Etoposide. Current and future status. Aisner J, et al. **Cancer** 1991 Jan 1;67(1 Suppl):215–9 (62 ref.)
Chronic oral etoposide. Greco FA, et al. **Cancer** 1991 Jan 1;67(1 Suppl):303–9 (17 ref.)
Future directions for etoposide therapy. Greco FA. **Cancer** 1991 Jan 1;67(1 Suppl):315–8 (8 ref.)
High-dose etoposide and marrow transplantation. Herzig RH. **Cancer** 1991 Jan 1;67(1 Suppl):292–8 (37 ref.)
Rationale for different chemotherapeutic and radiation therapy strategies in cancer management. Looney WB, et al. **Cancer** 1991 Mar 15;67(6):1471–83 (79 ref.)
Advances in data assessment. Application to the etiology of nausea reported during chemotherapy, concerns about significance testing, and opportunities in clinical trials. Morrow GR, et al. **Cancer** 1991 Feb 1;67(3 Suppl):780–7 (31 ref.)
Clinical use of differentiating agents in cancer therapy. Dmitrovsky E, et al. **Cancer Chemother Biol Response Modif** 1990;11:303–20 (162 ref.)
Multidrug resistance. Moscow JA, et al. **Cancer Chemother Biol Response Modif** 1990;11:97–114 (100 ref.)
Antisense agents in cancer research and therapeutics. Dolnick BJ. **Cancer Invest** 1991;9(2):185–94 (78 ref.)
Levamisole and the new era of chemoimmunotherapy. Greenspan EM, et al. **Cancer Invest** 1991;9(1):111–24 (101 ref.)
Modulation of 5-fluorouracil efficacy. Herrmann R. **Cancer Treat Rev** 1990 Sep;17(2–3):209–12 (12 ref.)
Hexamethylmelamine: activity in lymphoma and other tumors. Macdonald JS. **Cancer Treat Rev** 1991 Mar;18 Suppl A:99–102 (8 ref.)
Regional chemotherapy: different operative techniques and clinical results. Schlag P. **Cancer Treat Rev** 1990 Sep; 17(2–3):177–82 (35 ref.)
Batanopride (BMY-25801): a new 5-HT3 receptor antagonist for the prevention of cancer chemotherapy-induced emesis. Smaldone L, et al. **Cancer Treat Rev** 1990 Sep; 17(2–3):319–27 (11 ref.)
New anthracycline antitumor antibiotics. Muggia FM, et al. **Crit Rev Oncol Hematol** 1991;11(1):43–64 (208 ref.)
Multidrug resistance in human tumors. Bellamy WT. **Curr Opin Oncol** 1990 Dec;2(6):1126–32 (20 ref.)
Antitumor antibiotics, epipodophyllotoxins, and vinca alkaloids: clinical developments. Brenner DE. **Curr Opin Oncol** 1990 Dec;2(6):1115–8 (16 ref.)
Alkylating and platinum-based agents. Eastman A. **Curr Opin Oncol** 1990 Dec;2(6):1109–14 (26 ref.)
Growth factors in human cancer. Gabrilove J, et al. **Curr Opin Oncol** 1990 Feb;2(1):163–70 (39 ref.)
Problems, controversies, and perspectives on the clinical use of interleukin-2. Gambacorti-Passerini C, et al. **Curr Opin Oncol** 1990 Dec;2(6):1139–45 (23 ref.)
Colony-stimulating factors. Gordon MS, et al. **Curr Opin Oncol** 1990 Dec;2(6):1152–8 (22 ref.)
Novel chemotherapeutic agents in early clinical development. Stagg MP, et al. **Curr Opin Oncol** 1990 Dec; 2(6):1119–25 (16 ref.)
Idarubicin: a second-generation anthracycline. Fields SM, et al. **DICP** 1991 May;25(5):505–17 (103 ref.)
Oncogenic proteins new targets for chemotherapeutic agents against cancer. Rey I, et al. **Fundam Clin Pharmacol** 1990; 4(4):401–22 (120 ref.)
Multidrug resistance: focus in hematology. Carulli G, et al. **Haematologica** 1990 Jul–Aug;75(4):363–74 (97 ref.)
The multidrug resistance phenotype in human cancer. Cordon-Cardo C, et al. **Important Adv Oncol** 1991;:19–38 (102 ref.)
Potential innovations in scheduling of cancer chemotherapy. Norton L, et al. **Important Adv Oncol** 1991;:57–72 (83 ref.)
The role of cytokines in oncology. Lange W, et al. **Int J Cell Cloning** 1991 Jul;9(4):252–73 (184 ref.)
Haemodynamic and transport barriers to the treatment of solid tumours. Jain RK. **Int J Radiat Biol** 1991 Jul–Aug; 60(1–2):85–100 (54 ref.)
The value of adjunctive radiotherapy when chemotherapy is the major curative method. Arriagada R, et al. **Int J Radiat Oncol Biol Phys** 1990 Nov;19(5):1279–84 (56 ref.)
Cisplatin and radiation: interaction probabilities and therapeutic possibilities. Begg AC. **Int J Radiat Oncol Biol Phys** 1990 Nov;19(5):1183–9 (46 ref.)
Keynote address: mechanisms of cellular resistance to cytotoxic drugs and X-irradiation. Carmichael J, et al. **Int J Radiat Oncol Biol Phys** 1991 Feb;20(2):197–202 (43 ref.)
Keynote address: multidrug resistance: a pleiotropic response to cytotoxic drugs. Fairchild CR, et al. **Int J Radiat Oncol Biol Phys** 1991 Feb;20(2):361–7 (79 ref.)
Keynote address: integration of cytostatic agents and radiation therapy: a different approach to "proliferating" human tumors. Kinsella TJ, et al. **Int J Radiat Oncol Biol Phys** 1991 Feb;20(2):295–302 (50 ref.)
Fludarabine phosphate: a synthetic purine antimetabolite with significant activity against lymphoid malignancies. Chun HG, et al. **J Clin Oncol** 1991 Jan;9(1):175–88 (96 ref.)
Drug-induced DNA damage and tumor chemosensitivity. Epstein RJ. **J Clin Oncol** 1990 Dec;8(12):2062–84 (355 ref.)
Pharmacodynamics in cancer therapy. Ratain MJ, et al. **J Clin Oncol** 1990 Oct;8(10):1739–53 (120 ref.)
The renewed potential for folate antagonists in contemporary cancer chemotherapy. Berman EM, et al. **J Med Chem** 1991 Feb;34(2):479–85 (58 ref.)
Antimyosin cardiac imaging: will it play a role in the detection of doxorubicin cardiotoxicity? [editorial; comment] Jain D, et al. **J Nucl Med** 1990 Dec; 31(12):1970–4 (26 ref.) Comment on: J Nucl Med 1990 Dec;31(12):1965–9.
Drug targeting in cancer chemotherapy: a clinical perspective. Gupta PK. **J Pharm Sci** 1990 Nov; 79(11):949–62 (221 ref.)
Photodynamic therapy to scientists and clinicians—one world or two? Bown SG. **J Photochem Photobiol B** 1990 Jun; 6(1–2):1–12 (18 ref.)
The role of the low density lipoprotein receptor pathway in the delivery of lipophilic photosensitizers in the photodynamic therapy of tumours. Mazière JC, et al. **J Photochem Photobiol B** 1991 Mar;8(4):351–60 (46 ref.)
The possible role of ionic species in selective biodistribution of photochemotherapeutic agents toward neoplastic tissue. Pottier R, et al. **J Photochem Photobiol B** 1990 Dec 1; 8(1):1–16 (100 ref.)
Chlorins as photosensitizers in biology and medicine. Spikes JD. **J Photochem Photobiol B** 1990 Jul;6(3):259–74 (97 ref.)
Vitamin D: a modulator of cell proliferation and differentiation. Pols HA, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):873–6 (31 ref.)
Antitumor effects of analogs of LH-RH and somatostatin: experimental and clinical studies. Schally AV, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1061–7 (35 ref.)
Future directions of laser phototherapy for diagnosis and treatment of malignancies: fantasy, fallacy, or reality? Castro DJ, et al. **Laryngoscope** 1991 Jul;101(7 Pt 2 Suppl 55):1–10 (66 ref.)
Suppression of malignancy targeting the intracellular signal transducing proteins of cAMP: the use of site-selective cAMP analogs, antisense strategy, and gene transfer. Cho-Chung YS, et al. **Life Sci** 1991;48(12):1123–32 (74 ref.)
Cancer chemoprevention by supplemental carotenoids and synergism with retinol in mastodynia treatment. Santamaria LA, et al. **Med Oncol Tumor Pharmacother** 1990; 7(2–3):153–67 (48 ref.)
Suramin: the discovery of an old anticancer drug. Zaniboni A. **Med Oncol Tumor Pharmacother** 1990;7(4):287–90 (32 ref.)
Differentiating agents in malignant disease. Bruetman DG, et al. **Med Pediatr Oncol** 1991;19(2):71–83 (162 ref.)
Detoxification mechanisms and tumor cell resistance to anticancer drugs. Kuzmich S, et al. **Med Res Rev** 1991 Mar;11(2):185–217 (161 ref.)
Chemotherapy update. Miaskowski C. **Nurs Clin North Am** 1991 Jun;26(2):331–9 (15 ref.)
A perspective on dose-intensive therapy with autologous bone marrow transplantation for solid tumors. Ayash LJ, et al. **Oncology (Williston Park)** 1991 Mar;5(3):25–33;

discussion 33, 36, 41 (47 ref.)
Strategic use of benzodiazepines in cancer patients. Greenberg DB. **Oncology (Williston Park)** 1991 Apr; 5(4):83–8; discussion 88, 90, 95 (47 ref.)
Vinorelbine (Navelbine). A new semisynthetic vinca alkaloid. Krikorian A, et al. **Onkologie** 1991 Feb;14(1):7–12 (22 ref.)
The role of low-dose PALA in biochemical modulation. O'Dwyer PJ. **Pharmacol Ther** 1990;48(3):371–80 (104 ref.)
Enhancement of anticancer agent activity by selective inhibition of rapidly proliferating tissues of the host. Stolfi RL, et al. **Pharmacol Ther** 1991;49(1-2):43–54 (20 ref.)
Photosensitized processes in vivo: proposed phototherapeutic applications. Jori G. **Photochem Photobiol** 1990 Aug; 52(2):439–43 (24 ref.)
The chemoprevention of human cancer: an overview. Bertram JS. **Prog Clin Biol Res** 1990;354A:345–60 (33 ref.)
Cellular maturation and oncogene expression during drug-induced differentiation in vitro: a brief review. Biedler JL, et al. **Prog Clin Biol Res** 1990;354A:287–312 (70 ref.)
Systemic cancer therapy: four decades of progress and some personal perspectives. Vogel CL. **Prog Drug Res** 1990; 34:75–162 (414 ref.)
Multidrug resistance. Shibata H, et al.
Sci Rep Res Inst Tohoku Univ [Med] 1990 Dec; 37(1-4):27–50 (67 ref.)
The role of granulocyte colony-stimulating factor in cancer chemotherapy. Davis I, et al. **Semin Hematol** 1991 Apr;28(2 Suppl 2):25–33 (72 ref.)
Interleukin 3 alone and in combination with GM-CSF in the treatment of patients with neoplastic disease. Hoelzer D, et al. **Semin Hematol** 1991 Apr;28(2 Suppl 2):17–24 (31 ref.)
Chemoprotectants for cancer chemotherapy. Dorr RT.
Semin Oncol 1991 Feb;18(1 Suppl 2):48–58 (76 ref.)
Cisplatin chemoprotection and rescue: pharmacologic modulation of toxicity. Gandara DR, et al.
Semin Oncol 1991 Feb;18(1 Suppl 3):49–55 (32 ref.)
Cisplatin update. Muggia FM. **Semin Oncol** 1991 Feb;18(1 Suppl 3):1–4 (40 ref.)
Phase I clinical trials with fludarabine phosphate. Von Hoff DD. **Semin Oncol** 1990 Oct;17(5 Suppl 8):33–8 (36 ref.)
Fertility and pregnancy after malignancy. Byrne J.
Semin Perinatol 1990 Oct;14(5):423–9 (37 ref.)
[The application of hematopoietic growth factors in oncology] Hoekman K, et al. **Ned Tijdschr Geneeskd** 1991 Mar 9;135(10):409–14 (55 ref.) **(Dut)**
[Use of hematopoietic growth factors in oncology] Delmer A, et al. **Bull Cancer (Paris)** 1991;78(2):115–31 (72 ref.) (Eng. Abstr.) **(Fre)**
[Metabolic treatment of cancer] Vamecq J, et al.
J Pharm Belg 1990 Nov–Dec;45(6):361–74 (33 ref.) (Eng. Abstr.) **(Fre)**
[The mechanisms of the resistance of malignant cells to cytostatics] Reichle A, et al. **Dtsch Med Wochenschr** 1991 Feb 1;116(5):186–91 (59 ref.) **(Ger)**
[Iodo-doxorubicin, a new anthracycline derivative. Current state of progress] Mross KB, et al. **Onkologie** 1990 Oct; 13(5):346–51 (35 ref.) (Eng. Abstr.) **(Ger)**
[Cytostatic drug therapy in the aged] Wilmanns W.
Verh Dtsch Ges Inn Med 1990;96:286–94 (16 ref.) **(Ger)**
[Cancer chemotherapy today and in the future] Tanneberger S. **Z Gesamte Inn Med** 1990 Dec 1;45(23):693–5 (4 ref.) (Eng. Abstr.) **(Ger)**
[The application of photopheresis in the therapy of cancerous and autoimmune diseases] Dall'Amico R, et al.
Recenti Prog Med 1991 May;82(5):294–9 (15 ref.) (Eng. Abstr.) **(Ita)**
[The locoregional chemotherapeutic treatment of neoplasms] Lerza R, et al. **Recenti Prog Med** 1991 Feb;82(2):115–20 (46 ref.) (Eng. Abstr.) **(Ita)**
[Principles of cancer chemotherapy] Fukushima M.
Nippon Seikeigeka Gakkai Zasshi 1990 Dec;64(12):1249–58 (15 ref.) **(Jpn)**
[Therapeutic failure of antineoplastic agents. Extracellular and cellular causes] Hofsli E. **Tidsskr Nor Laegeforen** 1991 Jan 10;111(1):37–40 (21 ref.) (Eng. Abstr.) **(Nor)**
[Nausea and vomiting during treatment with cytostatics] Kaasa S, et al. **Tidsskr Nor Laegeforen** 1991 Mar 20; 111(8):941–4 (14 ref.) (Eng. Abstr.) **(Nor)**
[Clinical pharmacology of bleomycin] Drzewoski J, et al.
Pol Tyg Lek 1990 May 21–28;45(21–22):431–4 (36 ref.) **(Pol)**
[Modulators of multidrug resistance in neoplastic cells] Grzelakowska-Sztabert B. **Postepy Biochem** 1989; 35(4):543–61 (128 ref.) **(Pol)**
[Multidrug resistance of neoplastic cells—facts and hypotheses] Grzelakowska-Sztabert B. **Postepy Biochem** 1989;35(4):513–41 (276 ref.) **(Pol)**
[Reactions of an antineoplastic drug cis-diamminedichloroplatinum(II) with DNA] Oliński R, et al. **Postepy Biochem** 1991;37(1):40–8 (80 ref.) **(Pol)**
[Interferon—clinical application] Zamorska I, et al.
Wiad Lek 1990 Jun 1;43(11):548–51 (58 ref.) (Eng. Abstr.) **(Pol)**
[New antineoplastic antibiotics. New drugs, new producers and new representatives of the known classes] Viadro MM, et al. **Antibiot Khimioter** 1990 Oct;35(10):52–6 (87 ref.) **(Rus)**
[New antineoplastic antibiotics, new analogs, modifiers of biological reactions and oncogene inhibitors] Viadro MM, et al. **Antibiot Khimioter** 1991 Feb;36(2):44–8 (61 ref.) **(Rus)**
[Chemoradiation treatment of patients with solid tumors (a review of the problem over the last 6 years)] Aliev BM. **Med Radiol (Mosk)** 1991;36(5):56–60 (58 ref.) **(Rus)**
[Antioxidants in the chemotherapy of tumors] Burlakova EB, et al. **Vopr Onkol** 1990;36(10):1155–62 (25 ref.) **(Rus)**
[The prospects for using nonsteroidal anti-inflammatory agents in the treatment of malignant neoplasms] Ushmorov AG. **Vopr Onkol** 1990;36(10):1163–70 (53 ref.) **(Rus)**
[Control of vomiting induced by antineoplastic chemotherapy in childhood] Madero López L, et al.
An Esp Pediatr 1991 Mar;34(3):207–10 (25 ref.) (Eng. Abstr.) **(Spa)**
[A consensus statement: treatment of cancer with antineoplastic agents] **Lakartidningen** 1990 Dec 5; 87(49):4228–31 (0 ref.) **(Swe)**

ECONOMICS

Changing cancer care in the 1990s and the cost. Yarbro JW. **Cancer** 1991 Mar 15;67(6 Suppl):1718–27 (83 ref.)

ENZYMOLOGY

Stromelysin in tumor progression and metastasis. McDonnell S, et al. **Cancer Metastasis Rev** 1990 Dec;9(4):305–19 (87 ref.)
Cathepsin B and its endogenous inhibitors: the role in tumor malignancy. Sloane BF, et al. **Cancer Metastasis Rev** 1990 Dec;9(4):333–52 (99 ref.)
The role of urokinase-type plasminogen activator in aggressive tumor cell behavior. Testa JE, et al.
Cancer Metastasis Rev 1990 Dec;9(4):353–67 (111 ref.)
Glutathione S-transferase in humans in health and disease. Hayes PC, et al. **Gut** 1991 Jul;32(7):813–8 (61 ref.)
Serum isoenzymes in cancer diagnosis and management. Mercer DW. **Immunol Ser** 1990;53:613–29 (82 ref.)
Detoxification mechanisms and tumor cell resistance to anticancer drugs. Kuzmich S, et al. **Med Res Rev** 1991 Mar;11(2):185–217 (161 ref.)
Role of site-selective cAMP analogs in the control and reversal of malignancy. Cho-Chung YS, et al.
Pharmacol Ther 1991;50(1):1–33 (346 ref.)
Stromelysin/transin and tumor progression. Matrisian LM, et al. **Semin Cancer Biol** 1990 Apr;1(2):107–15 (34 ref.)
Cathepsin B and cystatins: evidence for a role in cancer progression. Sloane BF. **Semin Cancer Biol** 1990 Apr; 1(2):137–52 (70 ref.)
[Diagnostic value of alkaline phosphatase isoenzymes] Nemesánszky E, et al. **Orv Hetil** 1991 Aug 11; 132(32):1739–44, 1747 (55 ref.) (Eng. Abstr.) **(Hun)**
[The role of proteases in the growth, invasion and spread of cancer cells] Bugø L, et al. **Tidsskr Nor Laegeforen** 1990 Nov 30;110(29):3753–6 (19 ref.) (Eng. Abstr.) **(Nor)**
[The role of beta-glucuronidase in the tumor process and cancer prevention] Vlasov NN, et al. **Vopr Onkol** 1990; 36(9):1037–44 (67 ref.) **(Rus)**

EPIDEMIOLOGY

Analysis of cancer incidence data on the basis of multistage and clonal growth models. Stein WD. **Adv Cancer Res** 1991; 56:161–213 (71 ref.)
Fire fighters and risk of cancer: an assessment and overview of the epidemiologic evidence. Howe GR, et al.
Am J Epidemiol 1990 Dec;132(6):1039–50 (26 ref.)
Assessment of family history information in case-control cancer studies. Phillips PH, et al. **Am J Epidemiol** 1991 Apr 15;133(8):757–65 (64 ref.)
Methodologic issues in exposure assessment for case-control studies of cancer and herbicides. Blair A, et al.
Am J Ind Med 1990;18(3):285–93 (27 ref.)
Cancer in Iowa farmers: recent results. Burmeister LF.
Am J Ind Med 1990;18(3):295–301 (5 ref.)
Cancer by industry: analysis of a population-based cancer registry with an emphasis on blue-collar workers. Hall NE, et al. **Am J Ind Med** 1991;19(2):145–59 (40 ref.)
Parental occupational exposures and risk of childhood cancer: a review. O'Leary LM, et al. **Am J Ind Med** 1991; 20(1):17–35 (49 ref.)
Pathogenetic approaches to prevention of age-associated increase of cancer incidence. Dilman VM.
Ann N Y Acad Sci 1991;621:385–400 (43 ref.)
Towards causal inference in occupational cancer epidemiology—I. An example of the interpretive value of using local rates as the reference statistic. Veys CA.
Ann Occup Hyg 1990 Aug;34(4):349–59 (35 ref.)
Epidemiologic evidence o. genetic susceptibility to cancer. Taylor JA. **Birth Defects** 1990;26(1):113–27 (42 ref.)
Some recent developments in cancer epidemiology. Hansluwka H. **Cah Sociol Demogr Med** 1990 Oct–Dec; 30(4):465–85 (29 ref.)
Charles F. Kettering Prize. The contribution of statistical methods to cancer research. Cox D. **Cancer** 1991 May 15; 67(10):2428–30 (9 ref.)
Molecular epidemiology and cancer prevention. Perera FP, et al. **Cancer Detect Prev** 1990;14(6):639–45 (31 ref.)
Molecular epidemiology of cancer in immune deficiency. Strigini P, et al. **Cancer Detect Prev** 1991;15(2):115–26 (82 ref.)
Epidemiology, basic science, and the prevention of cancer: implications for the future. Muir CS. **Cancer Res** 1990 Oct 15;50(20):6441–8 (64 ref.)
The contribution of inherited predisposition to cancer incidence. Easton D, et al. **Cancer Surv** 1990;9(3):395–416 (72 ref.)
Cancer epidemiology: recent findings. Goodwin PJ.
Curr Opin Oncol 1990 Feb;2(1):121–8 (23 ref.)
Cancer registration: principles and methods. Statistical methods for registries. Boyle P, et al. **IARC Sci Publ** 1991; (95):126–58 (0 ref.)
Contributions of autopsy to population-based cancer epidemiology: targetted intervention to improve ascertainment. Chute CG, et al. **IARC Sci Publ** 1991; (112):207–16 (21 ref.)
Cancer epidemiology in the paper and pulp industry. Hogstedt C. **IARC Sci Publ** 1990;(104):382–9 (16 ref.)
Cancer registration: principles and methods. Reporting of results. Jensen OM, et al. **IARC Sci Publ** 1991;(95):108–25 (0 ref.)
Contribution of post-mortem examination to cancer registries. O'Conor GT. **IARC Sci Publ** 1991;(112):197–206 (22 ref.)
Cancer registration: principles and methods. Analysis of survival. Parkin DM, et al. **IARC Sci Publ** 1991;(95):159–76 (0 ref.)
Diet, obesity, fat distribution and cancer in women. Schapira DV. **J Am Med Wom Assoc** 1991 Jul–Aug;46(4):126–30 (61 ref.)
International Commission for Protection Against Environmental Mutagens and Carcinogens. ICPEMC Working Paper 7/1/2. Shared risk factors for cancer and atherosclerosis—a review of the epidemiological evidence. Hansen ES. **Mutat Res** 1990 Nov;239(3):163–79 (158 ref.)
Effects of measurement errors on estimates of exposure-response relationships. Armstrong B.
Recent Results Cancer Res 1990;120:50–63 (29 ref.)
Herbicides and cancer: a review and discussion of methodologic issues. Blair A, et al.
Recent Results Cancer Res 1990;120:132–45 (29 ref.)
Recent approaches to retrospective exposure assessment in occupational cancer epidemiology. Gérin M.
Recent Results Cancer Res 1990;120:39–49 (21 ref.)
Discovering occupational carcinogens in population-based case-control studies: review of findings from an exposure-based approach and a methodologic comparison of alternative data collection strategies. Siemiatycki J.
Recent Results Cancer Res 1990;120:25–38 (18 ref.)
Adjustment for confounding in occupational cancer epidemiology. Spinelli JJ, et al.
Recent Results Cancer Res 1990;120:64–77 (13 ref.)
Cancer risks due to exposure to electromagnetic fields. Thériault G. **Recent Results Cancer Res** 1990;120:166–80 (48 ref.)
Use of epidemiology data to assess the cancer risk of 2,3,7,8-tetrachlorodibenzo-p-dioxin. Tollefson L.
Regul Toxicol Pharmacol 1991 Apr;13(2):150–69 (51 ref.)
Epidemiologic evidence on the relationship between formaldehyde exposure and cancer. Blair A, et al.
Scand J Work Environ Health 1990 Dec;16(6):381–93 (72 ref.)
Occupational cancer in Denmark. Cancer incidence in the 1970 census population. Lynge E, et al.
Scand J Work Environ Health 1990;16 Suppl 2:3–35 (123 ref.)

ETHNOLOGY

Changing demographics in the United States. Implications for health professionals. Frank-Stromborg M. **Cancer** 1991 Mar 15;67(6 Suppl):1772–8 (47 ref.)
Cancer in Italian migrants. Geddes M, et al.
Cancer Causes Control 1991 Mar;2(2):133–40 (33 ref.)
Culture, pain and cancer. Garro LC. **J Palliat Care** 1990 Autumn;6(3):34–44 (86 ref.)

ETIOLOGY

Dietary fats and cancer. Carroll KK. **Am J Clin Nutr** 1991 Apr;53(4 Suppl):1064S–1067S (60 ref.)
Introduction: nutritional aspects of palm oil. Cottrell RC. **Am J Clin Nutr** 1991 Apr;53(4 Suppl):989S–1009S (139 ref.)
Human carcinogenesis—introductory remarks. Tubiana M. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):223S–225S (8 ref.)
Vegetables, fruits, and carotenoids and the risk of cancer. Ziegler RG. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):251S–259S (46 ref.)
Hepatobiliary manifestations of the acquired immune deficiency syndrome. Cappell MS. **Am J Gastroenterol** 1991 Jan;86(1):1–15 (299 ref.)
Are non-whites at greater risk for occupational cancer? Kipen HM, et al. **Am J Ind Med** 1991;19(1):67–74 (36 ref.)
Progression through the cell cycle: an overview. Fridovich-Keil JL, et al. **Am Rev Respir Dis** 1990 Dec; 142(6 Pt 2):S3–6 (35 ref.)
Effects of factors prolonging life span on carcinogenesis. Anisimov VN. **Ann N Y Acad Sci** 1991;621:373–84 (62 ref.)
Aging, longevity, and cancer: studies in Down's syndrome and centenarians. Franceschi C, et al.
Ann N Y Acad Sci 1991;621:428–40 (48 ref.)
Genetic and environmental modulations of chromosomal stability: their roles in aging and oncogenesis. Martin GM.
Ann N Y Acad Sci 1991;621:401–17 (91 ref.)
Two dozen current problems in neuroimmunomodulation, aging, and cancer research; the second Stromboli cocktail; further rambunctious remarks. Spector NH.
Ann N Y Acad Sci 1991;621:441–6 (1 ref.)
Dietary patterns and cancer. Cottrell RC.

Ann Nutr Metab 1991;35 Suppl 1:98–102 (6 ref.)
Diet and cancer: the role of case-control studies. Trichopoulos D, et al. **Ann Nutr Metab** 1991;35 Suppl 1:89–92 (11 ref.)
Biomedical and social considerations on the AIDS pandemic and associated tumors. Giraldo G. **Antibiot Chemother** 1991;43:272–5 (0 ref.)
Modification of histocompatibility antigen expression in cells expressing activated oncogenes: implications for tumour development. Morris A. **Anticancer Res** 1990 Sep–Oct; 10(5A):1161–7 (54 ref.)
Causes of cancer and cancer prevention. Weisburger JH. **Arch Geschwulstforsch** 1990;60(5):385–99 (70 ref.)
General mechanisms of carcinogenesis and anticarcinogenesis. Voiculetz N, et al. **Arch Roum Pathol Exp Microbiol** 1990 Apr–Jun; 49(2):105–17 (50 ref.)
The significance of DNA damage and repair mechanisms in health risk assessment. Rhomberg L, et al. **Basic Life Sci** 1990;53:225–32 (3 ref.)
Selenium: geochemical distribution and associations with human heart and cancer death rates and longevity in China and the United States. Jackson ML. **Biol Trace Elem Res** 1988 Jan–Apr;15:13–21 (45 ref.)
Is alcohol a carcinogenic risk? Turner C, et al. **Br J Addict** 1990 Nov;85(11):1409–15 (39 ref.)
Perinatal carcinogenesis: current directions. Anderson LM, et al. **Br J Cancer** 1991 Jun;63(6):1025–8 (0 ref.)
Extremely low-frequency electric and magnetic fields and cancer. Poole C, et al. **Cancer Causes Control** 1991 Jul; 2(4):267–76 (97 ref.)
Dietary fat and cancer: consistency of the epidemiologic data, and disease prevention that may follow from a practical reduction in fat consumption [published erratum appears in Cancer Causes Control 1990 Nov;1(3):253] Prentice RL, et al. **Cancer Causes Control** 1990 Jul;1(1):81–97; discussion 99–109 (48 ref.)
Inflammation and oxidative stress in carcinogenesis. Cerutti PA, et al. **Cancer Cells** 1991 Jan;3(1):1–7 (76 ref.)
Lifestyle: an overview. Doll R. **Cancer Detect Prev** 1990; 14(6):589–94 (15 ref.)
Dietary, total body, and intracellular potassium-to-sodium ratios and their influence on cancer. Jansson B. **Cancer Detect Prev** 1990;14(5):563–5 (9 ref.)
Characterization of migration-stimulating factor (MSF): evidence for its role in cancer pathogenesis. Schor SL, et al. **Cancer Invest** 1990;8(6):665–7 (18 ref.)
Cellular adaptation in the origin and development of cancer. Farber E, et al. **Cancer Res** 1991 Jun 1;51(11):2751–61 (129 ref.)
Chemical and physical carcinogenesis: advances and perspectives for the 1990s. Harris CC. **Cancer Res** 1991 Sep 15;51(18 Suppl):5023s–5044s (468 ref.)
Metabolic factors in cancer susceptibility. Wolf CR. **Cancer Surv** 1990;9(3):437–74 (157 ref.)
Growth factors in development, transformation, and tumorigenesis. Cross M, et al. **Cell** 1991 Jan 25;64(2):271–80 (103 ref.)
Biology of female sex hormone action in relation to contraceptive agents and neoplasia. King RJ. **Contraception** 1991 Jun;43(6):527–42 (73 ref.)
Problems related to immunosuppression. Infection and malignancy occurring after solid organ transplantation. Dunn DL. **Crit Care Clin** 1990 Oct;6(4):955–77 (77 ref.)
Platelet-derived growth factor and autocrine mechanisms of oncogenic processes. Heldin CH, et al. **Crit Rev Oncog** 1991;2(2):109–24 (184 ref.)
The hormonal aspects of carcinogenesis. Kodama M, et al. **Crit Rev Oncog** 1989;1(2):145–61 (111 ref.)
Why do immunosuppressed patients develop cancer? Penn I. **Crit Rev Oncog** 1989;1(1):27–52 (271 ref.)
Tobacco-specific N-nitrosamines: some aspects of prevention. Appel KE. **Crit Rev Toxicol** 1991;21(4):299–304 (25 ref.)
Miscellaneous cancers associated with AIDS. Cohen P. **Curr Opin Oncol** 1989 Oct;1(1):68–71 (20 ref.)
Carcinogenesis. Dipple A. **Curr Opin Oncol** 1990 Feb; 2(1):129–33 (19 ref.)
Human epidemiology: a review of fiber type and characteristics in the development of malignant and nonmalignant disease. Merchant JA. **Environ Health Perspect** 1990 Aug;88:287–93 (49 ref.)
Parental occupation and childhood cancer: review of epidemiologic studies. Savitz DA, et al. **Environ Health Perspect** 1990 Aug;88:325–37 (57 ref.)
Iron, radiation, and cancer. Stevens RG, et al. **Environ Health Perspect** 1990 Jul;87:291–300 (151 ref.)
Oxidant stress and carcinogenesis. Cerutti PA. **Eur J Clin Invest** 1991 Feb;21(1):1–5 (26 ref.)
The effect of diet on tumor development in animals. Mohr U, et al. **Exp Pathol Suppl** 1989;12:1–144 (820 ref.)
Dietary n-3 (omega-3) polyunsaturated fatty acid effects on animal tumorigenesis. Cave WT Jr. **FASEB J** 1991 May; 5(8):2160–6 (43 ref.)
Facts and theories concerning the mechanisms of carcinogenesis. Pitot HC, et al. **FASEB J** 1991 Jun; 5(9):2280–6 (64 ref.)
Free radicals and carcinogenesis. Goldstein BD, et al. **Free Radic Res Commun** 1990;11(1–3):3–10 (63 ref.)
The role of calories and caloric restriction in carcinogenesis. Weindruch R, et al. **Hematol Oncol Clin North Am** 1991 Feb;5(1):79–89 (78 ref.)
Dietary fat intake and cancer. Weisburger JH, et al. **Hematol Oncol Clin North Am** 1991 Feb;5(1):7–23 (87 ref.)
Calories and cancer. Winick M. **Hematol Oncol Clin North Am** 1991 Feb;5(1):1–6 (24 ref.)
Cancer: causes, occurrence and control. **IARC Sci Publ** 1990; (100):1–352 (0 ref.)
Approaches to risk assessment of automotive engine exhausts. Törnqvist M, et al. **IARC Sci Publ** 1990;(104):277–87 (43 ref.)
The relationship of diet to cancer, cardiovascular disease and longevity. Leis HP Jr. **Int Surg** 1991 Jan–Mar;76(1):1–5 (35 ref.)
Autoimmunity and malignancy. Younus J, et al. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 1):720–3 (32 ref.)
Clinical review 18: Are patients with acromegaly at increased risk for neoplasia? Ezzat S, et al. **J Clin Endocrinol Metab** 1991 Feb;72(2):245–9 (22 ref.)
Is bracken a health hazard? [see comments] Trotter WR. **Lancet** 1990 Dec 22–29;336(8730):1563–5 (20 ref.) Comment in: Lancet 1991 Feb 23;337(8739):493.
Why the incidence of cancer is increasing: the role of 'light pollution'. Kerenyi NA, et al. **Med Hypotheses** 1990 Oct; 33(2):75–8 (29 ref.)
Human carcinogenesis: a disciplinary perspective. Lower GM. **Med Hypotheses** 1990 Sep;33(1):1–6 (25 ref.)
Dietary carcinogens, environmental pollution, and cancer: some misconceptions. Ames BN, et al. **Med Oncol Tumor Pharmacother** 1990;7(2–3):69–85 (164 ref.)
Mineral insufficiency and cancer. Diplock AT. **Med Oncol Tumor Pharmacother** 1990;7(2–3):193–8 (29 ref.)
Experimental approaches to nutrition and cancer: fats, calories, vitamins and minerals. Good RA, et al. **Med Oncol Tumor Pharmacother** 1990;7(2–3):183–92 (94 ref.)
Fiber and cancer. Kritchevsky D. **Med Oncol Tumor Pharmacother** 1990;7(2–3):137–41 (40 ref.)
The diet and cancer hypothesis: current trends. Saracci R. **Med Oncol Tumor Pharmacother** 1990;7(2–3):99–107 (18 ref.)
Ideas in pathology. Pivotal role of increased cell proliferation in human carcinogenesis. Cohen SM, et al. **Mod Pathol** 1991 May;4(3):371–82 (83 ref.)
The phylogeny of oncology. Lentz MR. **Mol Biother** 1990 Sep;2(3):137–44 (47 ref.)
Chemical, oncogene and growth factor inhibition gap junctional intercellular communication: an integrative hypothesis of carcinogenesis. Trosko JE, et al. **Pathobiology** 1990;58(5):265–78 (122 ref.)
New insights into the causes of cancer. Helman LJ, et al. **Pediatr Clin North Am** 1991 Apr;38(2):201–21 (120 ref.)
An overview of the epidemiological evidence linking diet and cancer. Doll R. **Proc Nutr Soc** 1990 Jul;49(2):119–31 (38 ref.)
Diet-disease relationships: public health perspectives. Evers S. **Prog Food Nutr Sci** 1991;15(1–2):61–83 (65 ref.)
The role of psychological factors in cancer onset and progression. Levenson JL, et al. **Psychosomatics** 1991 Spring;32(2):124–32 (58 ref.)
Natural carcinogens and dioxin. Ames BN. **Sci Total Environ** 1991 May 1;104(1–2):159–66 (9 ref.)
[Oncogenes: a ray of light on the genesis and therapy of cancer?] Lattanzi A. **Clin Ter** 1990 Nov 30;135(4):247–66 (71 ref.) (Eng. Abstr.) **(Ita)**
[The role of active forms of oxygen in cell differentiation, neoplasm promotion and aging] Sikora E. **Postepy Biochem** 1989;35(4):563–74 (83 ref.) **(Pol)**
[Oncogenes, antioncogenes and carcinogenesis] Kopnin BP. **Arkh Patol** 1990;52(9):3–11 (58 ref.) (Eng. Abstr.) **(Rus)**
[The problem of the carcinogenicity of parasites] Bychkov VG, et al. **Med Parazitol (Mosk)** 1990 May–Jun;(3):46–9 (44 ref.) (Eng. Abstr.) **(Rus)**
[Age-related differences in hematopoietic progenitor cells and the problems of carcinogenesis] Brilliant MD, et al. **Ter Arkh** 1990;62(7):15–20 (22 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Localizing the genes for ataxia-telangiectasia: a human model for inherited cancer susceptibility. Gatti RA. **Adv Cancer Res** 1991;56:77–104 (135 ref.)
Proto-oncogene activation in rodent and human tumors. Anderson MW, et al. **Adv Exp Med Biol** 1991;283:235–43 (63 ref.)
DNA analysis of neoplasia: an introduction for the family physician. Kotylo PK. **Am Fam Physician** 1991 Apr; 43(4):1259–63 (34 ref.)
Human tumor suppressor genes. Stanbridge EJ. **Annu Rev Genet** 1990;24:615–57 (246 ref.)
Relation between carcinogenesis, chromatin structure and poly(ADP-ribosylation) (review). Boulikas T. **Anticancer Res** 1991 Mar–Apr;11(2):489–527 (410 ref.)
Genome imprinting and carcinogenesis. Sapienza C. **Biochim Biophys Acta** 1991 Apr 16;1072(1):51–61 (111 ref.)
Detection of cancer predisposition by hypervariable region analysis. Krontiris TG. **Birth Defects** 1990;26(1):129–40 (37 ref.)
The use of comparative mapping to identify loci involved in human carcinogenesis. Roderick TH, et al. **Birth Defects** 1990;26(1):141–78 (150 ref.)
Legal and ethical issues in the laboratory assessment of genetic susceptibility to cancer. Rothstein MA. **Birth Defects** 1990;26(1):179–90 (38 ref.)
Acetylation. Weber WW. **Birth Defects** 1990;26(1):43–65 (120 ref.)
Fragile sites, genomic rearrangements and cancer predisposition. Yunis JJ. **Birth Defects** 1990;26(1):67–83 (64 ref.)
Multidrug resistance (mdr) genes in human cancer. Nooter K, et al. **Br J Cancer** 1991 May;63(5):663–9 (104 ref.)
Prevalence of aberrant expression of the epidermal growth factor receptor in human cancers. Gullick WJ. **Br Med Bull** 1991 Jan;47(1):87–98 (74 ref.)
Genes and cancer. Stoler AB. **Br Med Bull** 1991 Jan; 47(1):64–75 (51 ref.)
Charles S. Mott Prize. Recessive mutations in the causation of human cancer. Cavenee WK. **Cancer** 1991 May 15; 67(10):2431–5 (14 ref.)
Charles S. Mott Prize. Seeking tumor genes with DNA technology. White RL. **Cancer** 1991 May 15;67(10):2436–8 (8 ref.)
Polymorphism of human CYP2D genes involved in drug metabolism: possible relationship to individual cancer risk. Nebert DW. **Cancer Cells** 1991 Mar;3(3):93–6 (27 ref.)
Chromosome abnormalities in cancer. Mitelman F, et al. **Cancer Detect Prev** 1990;14(5):527–37 (50 ref.)
Cancer genetics and cancer suppression. Sachs L. **Cancer Detect Prev** 1990;14(5):539–45 (43 ref.)
Cytogenetics and molecular biology of small round-cell tumors and related neoplasms. Current status. Donner LR. **Cancer Genet Cytogenet** 1991 Jul 1;54(1):1–10 (92 ref.)
The current state of oncogenes and cancer: experimental approaches for analyzing oncogenetic events in human cancer. Chiao PJ, et al. **Cancer Metastasis Rev** 1990 Jul; 9(1):63–80 (148 ref.)
Transformation injury and the unicellular phenotype of malignant cells. Frost P, et al. **Cancer Metastasis Rev** 1990 Jul;9(1):93–8 (19 ref.)
Tumor progression: potential role of unstable genomic changes. Hill RP. **Cancer Metastasis Rev** 1990 Sep; 9(2):137–47 (61 ref.)
The significance of biological heterogeneity. Rubin H. **Cancer Metastasis Rev** 1990 Jul;9(1):1–20 (91 ref.)
Genetic approaches to the study of the molecular basis of human cancer. Croce CM. **Cancer Res** 1991 Sep 15;51(18 Suppl):5015s–5018s (30 ref.)
Mutator phenotype may be required for multistage carcinogenesis. Loeb LA. **Cancer Res** 1991 Jun 15; 51(12):3075–9 (63 ref.)
The contribution of inherited predisposition to cancer incidence. Easton D, et al. **Cancer Surv** 1990;9(3):395–416 (72 ref.)
Genomic imprinting and cancer. Ferguson-Smith AC, et al. **Cancer Surv** 1990;9(3):487–503 (72 ref.)
Genetic analysis of cancer in families. King MC. **Cancer Surv** 1990;9(3):417–35 (55 ref.)
Genetic behaviour of tumorigenicity in human cancer. Weissman BE. **Cancer Surv** 1990;9(3):475–85 (52 ref.)
Molecular themes in oncogenesis. Bishop JM. **Cell** 1991 Jan 25;64(2):235–48 (191 ref.)
Rate-limiting steps: the genetics of pediatric cancers. Haber DA, et al. **Cell** 1991 Jan 11;64(1):5–8 (20 ref.)
Cooperation between oncogenes. Hunter T. **Cell** 1991 Jan 25;64(2):249–70 (240 ref.)
Tumor suppressor genes. Marshall CJ. **Cell** 1991 Jan 25; 64(2):313–26 (151 ref.)
Origins of human cancer revisited. Stanbridge EJ, et al. **Cell** 1990 Nov 30;63(5):867–74 (8 ref.)
Suppressors of the malignant phenotype. Mikkelsen T, et al. **Cell Growth Differ** 1990 Apr;1(4):201–7 (102 ref.)
Chromosome translocations in human cancer. Testa JR. **Cell Growth Differ** 1990 Feb;1(2):97–101 (16 ref.)
Chromosomal aspects of human oncogenesis. Dal Cin P, et al. **Crit Rev Oncog** 1989;1(2):113–26 (130 ref.)
A deficiency in chromatin repair, genetic instability, and predisposition to cancer. Sanford KK, et al. **Crit Rev Oncog** 1989;1(3):323–41 (167 ref.)
Oncogene amplification in neoplastic development and progression of human cancers. Schwab M. **Crit Rev Oncog** 1990;2(1):35–51 (129 ref.)
raf oncogenes in carcinogenesis. Storm SM, et al. **Crit Rev Oncog** 1990;2(1):1–8 (77 ref.)
Mitotic modifications and aberrations in cancer. Therman E, et al. **Crit Rev Oncog** 1989;1(3):293–305 (69 ref.)
Centromere, kinetochore, and cancer. Vig BK, et al. **Crit Rev Oncog** 1989;1(3):343–71 (158 ref.)
Expression and function of myc family genes. Zimmerman K, et al. **Crit Rev Oncog** 1990;2(1):75–95 (229 ref.)
Oncogenes and clinical oncology. Miller WH Jr, et al. **Curr Opin Oncol** 1991 Feb;3(1):65–9 (30 ref.)
Genetic basis of cancer. Trent JM. **Curr Opin Oncol** 1990 Feb;2(1):134–7 (21 ref.)
Oncogene and receptor expression. Höfler H. **Curr Top Pathol** 1991;83:435–56 (89 ref.)
Report of the committee on chromosome changes in neoplasia. Mitelman F, et al. **Cytogenet Cell Genet** 1990; 55(1–4):358–86 (418 ref.)
Chromosomes, oncogenes, and neoplasia. Nowell PC. **Del Med J** 1990 Sep;62(9):1227–30 (5 ref.)
Cancer models and cancer genetics [see comments] Weiss KM. **Epidemiology** 1990 Nov;1(6):486–90 (48 ref.) Comment in: Epidemiology 1990 Nov;1(6):419–20.
Possible applications of biotechnology to radiotherapy. Weichselbaum RR. **Eur J Cancer** 1991;27(4):405–7 (19 ref.)

Similarities and differences between the multidrug resistance phenotype of mammalian tumor cells and chloroquine resistance in Plasmodium falciparum. Karcz S, et al. **Exp Parasitol** 1991 Aug;73(2):233–40 (40 ref.)

Amplification of cellular oncogenes: a predictor of clinical outcome in human cancer. Schwab M, et al. **Genes Chromosom Cancer** 1990 Jan;1(3):181–93 (94 ref.)

Macromolecular adducts and related biomarkers in biomonitoring and epidemiology of complex exposures. Perera F, et al. **IARC Sci Publ** 1990;(104):164–80 (53 ref.)

Recessive mutations in the oncogenesis of certain solid tumors. Nordenskjöld M. **Immunol Ser** 1990;51:145–67 (84 ref.)

Genetic predisposition to cancer. Cannon-Albright LA, et al. **Important Adv Oncol** 1991;:39–55 (137 ref.)

The analysis of restriction fragment length polymorphism in human cancer: a review from an epidemiological perspective. Vineis P, et al. **Int J Cancer** 1991 Jan 2; 47(1):26–30 (29 ref.)

Tumor progression stage: specific losses of heterozygosity. Cavenee WK. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:33–42 (17 ref.)

Nakahara memorial lecture. Hereditary cancer, oncogenes, and anti-oncogenes. Knudson AG Jr. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:15–29 (47 ref.)

The evidence for human tumor suppressor genes. Stanbridge EJ. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:3–13 (44 ref.)

Genetic basis of multidrug resistance of tumor cells. Kane SE, et al. **J Bioenerg Biomembr** 1990 Aug;22(4):593–618 (187 ref.)

How many human cancer genes? Nowell PC. **J Natl Cancer Inst** 1991 Aug 7;83(15):1061–4 (14 ref.)

Gene amplification and drug resistance. Brown R. **J Pathol** 1991 Apr;163(4):287–92 (21 ref.)

Chromosome rearrangement, oncogene activation, and other clonal events in cancer: their use in molecular diagnostics. Wiedemann LM, et al. **J Pathol** 1991 Jan;163(1):7–12 (10 ref.)

The molecules of cancer. The Watson Smith lecture 1990. Sikora K. **J R Coll Physicians Lond** 1990 Jul;24(3):196–205 (59 ref.)

Molecular epidemiology and the genetics of environmental cancer. Shields PG, et al. **JAMA** 1991 Aug 7;266(5):681–7 (96 ref.)

Chromosome rearrangements in oncogenesis. Nowell PC, et al. **Microbiol Sci** 1984 Dec;1(9):223–8 (47 ref.)

Tumor suppressor genes: possible functions in the negative regulation of cell proliferation. Boyd JA, et al. **Mol Carcinog** 1990;3(6):325–9 (27 ref.)

Expression cloning of tumor suppressor genes: a guide for optimists. Noda M. **Mol Carcinog** 1990;3(5):251–3 (13 ref.)

The genetic changes in cancer. Stubblefield E. **Mol Carcinog** 1991;4(4):257–60 (15 ref.)

Molecular genetics of human cancer predisposition and progression. Cavenee WK, et al. **Mutat Res** 1991 Apr; 247(2):199–202 (9 ref.)

Implications for genetic toxicology of the chromosomal breakage syndromes. Heddle JA. **Mutat Res** 1991 Apr; 247(2):221–9 (15 ref.)

Is environmental carcinogenesis modulated by host polymorphism? Idle JR. **Mutat Res** 1991 Apr;247(2):259–66 (57 ref.)

Overview: genes that predispose to cancer. Knudson AG Jr. **Mutat Res** 1991 Apr;247(2):185–90 (13 ref.)

Future research directions in cancer ecogenetics. Omenn GS. **Mutat Res** 1991 Apr;247(2):283–91 (36 ref.)

Chromosome abnormalities in human cancer and leukemia. Sandberg AA. **Mutat Res** 1991 Apr;247(2):231–40 (13 ref.)

The segregation of cancer-causing genes in human populations. Schull WJ. **Mutat Res** 1991 Apr;247(2):191–8 (42 ref.)

The p53 tumour suppressor gene. Levine AJ, et al. **Nature** 1991 Jun 6;351(6326):453–6 (61 ref.)

The genetic basis of cancer. Goldberg YP, et al. **S Afr Med J** 1991 Jul 20;80(2):99–104 (56 ref.)

p53 mutations in human cancers. Hollstein M, et al. **Science** 1991 Jul 5;253(5015):49–53 (96 ref.)

The rel gene and its role in oncogenesis. Enrietto PJ. **Semin Cancer Biol** 1990 Dec;1(6):399–405 (44 ref.)

[Proto-oncogenes activation in human solid tumors] Birnbaum D, et al. **Bull Cancer (Paris)** 1990;77(9):857–75 (143 ref.) (Eng. Abstr.) **(Fre)**

[Expression of P-glycoprotein 170 (GP 170) and drug resistance in human cancers] Bourhis J, et al. **Bull Cancer (Paris)** 1990;77(10):957–65 (34 ref.) (Eng. Abstr.) **(Fre)**

[Oncogenes, anti-oncogenes and their alterations in human tumors] Jeanteur P, et al. **Rev Med Interne** 1990 May–Jun; 11(3):216–20 (11 ref.) (Eng. Abstr.) **(Fre)**

[Perspectives in the clinical utilization of molecular biology findings] Schreiber G, et al. **Gynakologe** 1991 Feb; 24(1):17–21 (20 ref.) **(Ger)**

[Prevention of familiar tumor diseases using genetic counseling and early diagnosis] Müller H, et al. **Schweiz Med Wochenschr** 1990 Oct 6;120(40):1451–60 (74 ref.) (Eng. Abstr.) **(Ger)**

[Oncogenes and oncogene products--possibilities and significance of their detection] Höfler H. **Verh Dtsch Ges Pathol** 1990;74:319–27 (34 ref.) (Eng. Abstr.) **(Ger)**

[Tumor suppressor genes: identification and role in malignant transformation] Schäfer R, et al. **Verh Dtsch Ges Pathol** 1990;74:328–34 (43 ref.) (Eng. Abstr.) **(Ger)**

[The genetic basis of suppression of tumors and metastases in Drosophila and man] Gateff E. **Zentralbl Chir** 1991; 116(7):423–31 (49 ref.) (Eng. Abstr.) **(Ger)**

[Chromosome abnormalities and tumor suppressor gene in childhood cancer] Hayashi Y. **Gan To Kagaku Ryoho** 1990 Dec;17(12):2327–32 (43 ref.) (Eng. Abstr.) **(Jpn)**

[Tumor-suppressor genes] Horikawa I, et al. **Gan To Kagaku Ryoho** 1991 Feb;18(2):153–9 (29 ref.) (Eng. Abstr.) **(Jpn)**

[Oncogene and patient prognosis] Ito H, et al. **Gan To Kagaku Ryoho** 1991 Jun;18(7):1075–83 (53 ref.) (Eng. Abstr.) **(Jpn)**

[Analysis of the human genome in pediatric hemato-oncology] Ballesta Martínez F. **An Esp Pediatr** 1990 Nov;33 Suppl 42:106–22 (60 ref.) **(Spa)**

[Molecular genetics methods discovering the mechanisms of neoplasm etiology] Fioretos T, et al. **Lakartidningen** 1991 Aug 7;88(32–33):2597–602 (11 ref.) (Eng. Abstr.) **(Swe)**

IMMUNOLOGY

Immune modulation and cancer. Sikora K, et al. **Br Med Bull** 1991 Jan;47(1):209–26 (21 ref.)

Tumor transplantation and tumor immunity: a personal view. Scott OC. **Cancer Res** 1991 Feb 1;51(3):757–63 (72 ref.)

Drug delivery systems for antitumor activation of macrophages. Tabata Y, et al. **Crit Rev Ther Drug Carrier Syst** 1990;7(2):121–48 (223 ref.)

Tumor-associated macrophages. Mantovani A. **Curr Opin Immunol** 1989–90;2(5):689–92 (11 ref.)

Tumor immunology. Naftzger C, et al. **Curr Opin Oncol** 1991 Feb;3(1):93–9 (30 ref.)

Cytokines in oncology. Ozer H. **Curr Opin Oncol** 1989 Dec; 1(2):241–8 (22 ref.)

Stress-induced proteins in immune response to cancer. Srivastava PK, et al. **Curr Top Microbiol Immunol** 1991; 167:109–23 (76 ref.)

T-cell immune responses to cancer--a new look. Bodmer W. **Hum Immunol** 1991 Apr;30(4):259–61 (11 ref.)

Role of major histocompatibility complex class-I molecules in tumor rejection. New insights from studies with synthetic peptides and transgenic mice. Höglund P, et al. **Immunol Res** 1990;9(4):298–313 (111 ref.)

T-cell clones that react against autologous human tumors. Mukherji B, et al. **Immunol Rev** 1990 Aug;116:33–62 (51 ref.)

Tumor immunology. Stevenson HC, et al. **Immunol Ser** 1990; 50:513–33 (10 ref.)

Immune complexes and malignancy. Vlock DR. **Immunol Ser** 1990;53:555–86 (252 ref.)

Generation of monoclonal antibodies for in vivo approaches. Colnaghi MI. **Int J Rad Appl Instrum [B]** 1991;18(1):15–8 (8 ref.)

Tumour necrosis factor/cachectin: biology and relevance to disease. Das UN. **J Assoc Physicians India** 1991 Feb; 39(2):201–4 (38 ref.)

Role of human circulating and tumor-infiltrating lymphocytes in cancer defense and treatment. Lotzová E. **Nat Immun Cell Growth Regul** 1990;9(4):253–64 (37 ref.)

Interleukin 6 in infection and cancer. Sehgal PB. **Proc Soc Exp Biol Med** 1990 Nov;195(2):183–91 (94 ref.)

[Incidence of blood transfusion on the development of cancer] Genetet B. **Presse Med** 1991 Aug 31–Sep 7; 20(27):1275–80 (21 ref.) (Eng. Abstr.) **(Fre)**

[Interferons. Endogenous virostatic drugs, cytostatic drugs and immunomodulators] Uhl D. **Med Monatsschr Pharm** 1991 Mar;14(3):66–9 (2 ref.) **(Ger)**

[Tumor necrosis factor/cachectin] Kubin M. **Acta Haematol Pol** 1990 Jan–Jun;21(1):105–12 (148 ref.) **(Pol)**

[Role of protein receptors of Vitamin A in the mechanism of antitumor action of retinoids] Piatchanina TV, et al. **Eksp Onkol** 1990;12(6):8–13 (50 ref.) (Eng. Abstr.) **(Rus)**

[Characteristics of nutrition and certain mechanisms of antitumor resistance] Sopotsinskaia EB, et al. **Eksp Onkol** 1990;12(6):3–7 (50 ref.) (Eng. Abstr.) **(Rus)**

[The antigenic divergence of tumor cells due to the expression of hetero-organic antigens as a manifestation of disordered differentiation in carcinogenesis] Fel' VIa. **Tsitologiia** 1990;32(5):407–21 (99 ref.) (Eng. Abstr.) **(Rus)**

[Natural killer cells in the interferon therapy of cancer patients] Shparyk IaV, et al. **Vopr Onkol** 1991;37(2):136–43 (52 ref.) **(Rus)**

METABOLISM

The expression of peptide hormones in normal cells and tumour cells. Rehfeld JF, et al. **Acta Oncol** 1991; 30(4):429–33 (30 ref.)

Expression and functions of P-glycoprotein (mdr1 gene product) in normal and malignant tissues. Sugawara I. **Acta Pathol Jpn** 1990 Aug;40(8):545–53 (42 ref.)

Parathyroid hormone-related protein of humoral hypercalcemia of malignancy. Moseley JM. **Adv Clin Chem** 1990;28:219–42 (95 ref.)

Application of metabolic-control logic to fuel utilization and its significance in tumor cells. Newsholme EA, et al. **Adv Enzyme Regul** 1991;31:225–46 (19 ref.)

Blood flow, oxygen consumption and tissue oxygenation of human tumors. Vaupel P, et al. **Adv Exp Med Biol** 1990; 277:895–905 (13 ref.)

Penetration of tumor tissue by antibodies and other immunoproteins. Shockley TR, et al. **Ann N Y Acad Sci** 1991;618:367–82 (35 ref.)

Clotting factors in tumour tissue: implications for cancer therapy. Zacharski LR, et al. **Blood Coagul Fibrinolysis** 1990 Mar–Apr;1(1):71–8 (79 ref.)

The clinical relevance of multidrug resistance. Bellamy WT, et al. **Cancer Invest** 1990;8(5):547–62 (139 ref.)

Insulinlike growth factors in human malignancy. Cullen KJ, et al. **Cancer Invest** 1991;9(4):443–54 (100 ref.)

Metabolic factors in cancer susceptibility. Wolf CR. **Cancer Surv** 1990;9(3):437–74 (157 ref.)

The role of detoxifying systems in resistance of tumor cells to cisplatin and adriamycin. Meijer C, et al. **Cancer Treat Rev** 1990 Dec;17(4):389–407 (120 ref.)

Expression of tenascin and of the ED-B containing oncofetal fibronectin isoform in human cancer. Nicolò G, et al. **Cell Differ Dev** 1990 Dec 2;32(3):401–8 (28 ref.)

Current status of protein methylation in carcinogenesis. Duerre JA, et al. **Crit Rev Oncog** 1991;2(2):97–108 (157 ref.)

Biochemistry of the cancer cell. Pawson T. **Curr Opin Oncol** 1990 Feb;2(1):143–51 (44 ref.)

Structure, function, and clinical significance of human tumor antigens. Herlyn M, et al. **J Natl Cancer Inst** 1990 Dec 19;82(24):1883–9 (92 ref.)

The significance of steroid metabolism in human cancer. Miller WR, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):317–25 (56 ref.)

Somatostatin receptors in malignant tissues. Reubi JC, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1073–7 (24 ref.)

Regulatory pathways in tumor growth and invasion. Herlyn M, et al. **Lab Invest** 1991 Sep;65(3):262–71 (175 ref.)

Pharmacokinetics and pharmacodynamics of anticancer agents: contributions to the therapy of childhood cancer. Petros WP, et al. **Pharmacotherapy** 1990;10(5):313–25 (78 ref.)

[Present and future of nutrition in cancer] Villazón A, et al. **Rev Gastroenterol Mex** 1990 Apr–Jun;55(2):79–89 (164 ref.) **(Spa)**

MICROBIOLOGY

Viruses and cancer. Dalgleish AG. **Br Med Bull** 1991 Jan; 47(1):21–46 (52 ref.)

Role of the human papillomaviruses in human cancer. Howley PM. **Cancer Res** 1991 Sep 15;51(18 Suppl):5019s–5022s (62 ref.)

Viruses and cancer of the immune system. Srinivasan A, et al. **Curr Opin Immunol** 1989–90;2(5):714–8 (23 ref.)

Role of the human papillomavirus oncoproteins in transformation and carcinogenic progression. Werness BA, et al. **Important Adv Oncol** 1991;:3–18 (190 ref.)

MORTALITY

Competing causes of death. A review of recent trends in mortality in industrialized countries with special reference to cancer. Lopez AD. **Ann N Y Acad Sci** 1990;609:58–74; discussion 74–6 (8 ref.)

Selenium: geochemical distribution and associations with human heart and cancer death rates and longevity in China and the United States. Jackson ML. **Biol Trace Elem Res** 1988 Jan–Apr;15:13–21 (45 ref.)

A comparison of PMRs and SMRs as estimators of occupational mortality. Park RM, et al. **Epidemiology** 1991 Jan;2(1):49–59 (139 ref.)

Chemicals, cancer, and risk assessment. Withers BF 3d, et al. **J La State Med Soc** 1991 Jan;143(1):33–40 (10 ref.)

The survivors of childhood solid tumors. Carter MC, et al. **Pediatr Clin North Am** 1991 Apr;38(2):505–26 (161 ref.)

PARASITOLOGY

Parasitic associations with malignant neoplasms. Johnstone PA. **Trop Geogr Med** 1990 Oct;42(4):301–11 (70 ref.)

PATHOLOGY

Interphase cytogenetic analysis in the diagnosis and study of neoplastic disorders. Anastasi J. **Am J Clin Pathol** 1991 Apr;95(4 Suppl 1):S22–8 (23 ref.)

Ki-67 staining as a means to simplify analysis of tumor cell proliferation [editorial] Hitchcock CL. **Am J Clin Pathol** 1991 Oct;96(4):444–6 (20 ref.)

Cell death via apoptosis and its relationship to growth, development and differentiation of both tumour and normal cells. Cotter TG, et al. **Anticancer Res** 1990 Sep–Oct; 10(5A):1153–9 (36 ref.)

Tumors and tumor-like lesions arising in tendons. A clinicopathological study of 75 cases. Józsa L, et al. **Arch Orthop Trauma Surg** 1991;110(2):83–6 (31 ref.)

Measuring cell proliferation. Woosley JT. **Arch Pathol Lab Med** 1991 Jun;115(6):555–7 (35 ref.)

Neuropeptide growth factors and cancer. Woll PJ. **Br J Cancer** 1991 Mar;63(3):469–75 (146 ref.)

Tumour growth dynamics. Watson JV. **Br Med Bull** 1991 Jan;47(1):47–63 (19 ref.)

Endothelial cells and angiogenic growth factors in cancer growth and metastasis. Introduction. Folkman J.

Cancer Metastasis Rev 1990 Nov;9(3):171–4 (35 ref.)
The inhibition of tumor growth by tumor mass. Prehn RT. **Cancer Res** 1991 Jan 1;51(1):2–4 (41 ref.)
Oncogenes as clinical prognostic indicators. Sunderland MC, et al. **Cancer Treat Res** 1991;53:3–22 (102 ref.)
Invasion and metastasis control: implications for increased therapeutic index of antitumor drugs. Mareel M, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):335–8 (14 ref.)
Cytological vs histological evaluation of percutaneous biopsies. Böcking A. **Cardiovasc Intervent Radiol** 1991 Jan–Feb;14(1):5–12 (56 ref.)
Cancer metastasis and angiogenesis: an imbalance of positive and negative regulation. Liotta LA, et al. **Cell** 1991 Jan 25;64(2):327–36 (113 ref.)
How malignant is malignant? A brief review of the microscopic assessment of human neoplasms, and the prediction of whether they will metastasize and kill. Carr I, et al. **Clin Exp Metastasis** 1991 Mar–Apr;9(2):127–37 (84 ref.)
Site-associated differences in cancer cell populations. Weiss L. **Clin Exp Metastasis** 1991 May–Jun;9(3):193–203 (29 ref.)
The growth kinetics of human tumours. Mackillop WJ. **Clin Phys Physiol Meas** 1990;11 Suppl A:121–3 (10 ref.)
Mechanisms of development of metastases. Plesničar S. **Crit Rev Oncog** 1989;1(2):175–94 (176 ref.)
Polypeptide growth factors in the regulation of human tumor cell proliferation. Kumar R, et al. **Curr Opin Oncol** 1991 Feb;3(1):70–4 (30 ref.)
Cellular properties of cancer. Miller FR. **Curr Opin Oncol** 1990 Feb;2(1):152–6 (18 ref.)
Reaction patterns of lymph nodes in the development and spread of cancer. Vollmer E, et al. **Curr Top Pathol** 1991; 84 (Pt 2):1–34 (66 ref.)
Fine needle aspiration cytology: utilization in pediatric pathology. Layfield LJ, et al. **Dis Markers** 1990 Nov–Dec; 8(6):301–15 (60 ref.)
The lymph nodes. Reactions to experimental and human tumors. Syrjänen KJ. **Exp Pathol Suppl** 1982;8:1–123 (594 ref.)
Interactions between inflammatory mediators in expression of antitumor cytostatic activity of macrophages [published erratum appears in Immunol Lett 1990 Dec;26(3):297] Bonta IL, et al. **Immunol Lett** 1990 Sep;25(4):295–301 (35 ref.)
Serum and tissue banks for biological markers. Whiteside TL, et al. **Immunol Ser** 1990;53:55–68 (20 ref.)
Role of cell–cell communication in tumor suppression. Yamasaki H. **Immunol Ser** 1990;51:245–66 (110 ref.)
Solid tumours and wounds: transformed cells misunderstood as injured tissue? Whalen GF. **Lancet** 1990 Dec 15; 336(8729):1489–92 (39 ref.)
Magnesium in normal and neoplastic cell proliferation: state of the art on in vitro data. Cittadini A, et al. **Magnes Res** 1991 Mar;4(1):23–33 (86 ref.)
Autonomy in tumor cell proliferation. Chigira M, et al. **Med Hypotheses** 1990 Aug;32(4):249–54 (94 ref.)
Is Gompertzian or exponential kinetics a valid description of individual human cancer growth? Retsky MW, et al. **Med Hypotheses** 1990 Oct;33(2):95–106 (22 ref.)
Dissociation of cells from solid tumors. Cerra R, et al. **Methods Cell Biol** 1990;33:1–12 (27 ref.)
Ideas in pathology. Pivotal role of increased cell proliferation in human carcinogenesis. Cohen SM, et al. **Mod Pathol** 1991 May;4(3):371–82 (83 ref.)
Fluorescence imaging and point measurements of tissue: applications to the demarcation of malignant tumors and atherosclerotic lesions from normal tissue. Andersson-Engels S, et al. **Photochem Photobiol** 1991 Jun; 53(6):807–14 (52 ref.)
Cellular maturation and oncogene expression during drug-induced differentiation in vitro: a brief review. Biedler JL, et al. **Prog Clin Biol Res** 1990;354A:287–312 (70 ref.)
Migration of immunomodulated cultured lymphocytes in malignant tumors. McAfee JG. **Prog Clin Biol Res** 1990; 355:105–14 (22 ref.)
Measurement of tumor hypoxia by invasive and non-invasive procedures: a review of recent clinical studies. Chapman JD. **Radiother Oncol** 1991;20 Suppl 1:13–9 (34 ref.)
The ESTRO Breur lecture. Cellular sensitivity to low dose-rate irradiation focuses the problem of tumour radioresistance. Steel GG. **Radiother Oncol** 1991 Feb; 20(2):71–83 (45 ref.)
Application of antibodies in the flow cytometric analysis of benign and malignant cells. Beck JL, et al. **Semin Cancer Biol** 1990 Jun;1(3):181–8 (30 ref.)
Detection, characterization and tumorigenicity of disseminated tumor cells in human bone marrow. Schlimok G, et al. **Semin Cancer Biol** 1990 Jun;1(3):207–15 (67 ref.)
[Correlation between epithelioid sarcoma and poorly differentiated fibroblastic synovialosarcoma] Bouziani A, et al. **Arch Anat Cytol Pathol** 1991;39(1–2):34–7 (8 ref.) (Eng. Abstr.) **(Fre)**
[Purification kinetics of human tumors measured by flow cytometry] Goerttler K. **Acta Histochem Suppl** 1990; 39:49–60 (20 ref.) (Eng. Abstr.) **(Ger)**
[In situ determination of the Ki-67 growth fraction (Ki-67 GF) in human tumors (studies in breast cancer)] Lellé RJ. **Acta Histochem Suppl** 1990;39:109–24 (45 ref.) (Eng. Abstr.) **(Ger)**
[Interactive tumor diagnosis: pathology and oncology] Gebbers JO, et al. **Schweiz Rundsch Med Prax** 1991 Feb 26;80(9):190–2 (16 ref.) (Eng. Abstr.) **(Ger)**
[Properties of the cell surface of normal and malignant cells: investigations on polysialic acid and terminal sialic acid residues in specific linkages] Roth J, et al. **Verh Dtsch Ges Pathol** 1990;74:186–95 (75 ref.) (Eng. Abstr.) **(Ger)**
[Relation between aging and cancer] Sato T, et al. **Gan To Kagaku Ryoho** 1991 Jan;18(1):1–6 (18 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

The biological responses to heat. Pontiggia P, et al. **Adv Exp Med Biol** 1990;267:271–91 (57 ref.)
DNA processing, aging, and cancer. The impact of new technology. Vijg J, et al. **Ann N Y Acad Sci** 1991;621:53–65 (38 ref.)
Monocyte chemotactic proteins from human tumor cells. Graves DT, et al. **Biochem Pharmacol** 1991 Feb 1; 41(3):333–7 (44 ref.)
Psychoneuroimmunology. Implications for oncology? Bovbjerg DH. **Cancer** 1991 Feb 1;67(3 Suppl):828–32 (52 ref.)
Research in cancer pain. What we know and what we need to know. Cleeland C. **Cancer** 1991 Feb 1;67(3 Suppl):823–7 (25 ref.)
Physiologic and psychobehavioral research in oncology. Redd WH, et al. **Cancer** 1991 Feb 1;67(3 Suppl):813–22 (52 ref.)
Role of cyclic AMP receptor proteins in growth, differentiation, and suppression of malignancy: new approaches to therapy. Cho-Chung YS. **Cancer Res** 1990 Nov 15;50(22):7093–100 (110 ref.)
Extracellular matrix metalloproteinases in tumor invasion and metastasis. Goldberg GI, et al. **Cancer Treat Res** 1991; 53:421–40 (119 ref.)
Quantitative aspects of autocrine regulation in tumors. Bajzer Z, et al. **Crit Rev Oncog** 1990;2(1):53–73 (92 ref.)
Energy balance, body size, and cancer. Albanes D. **Crit Rev Oncol Hematol** 1990;10(3):283–303 (245 ref.)
Cancer pain. Grossman SA. **Curr Opin Oncol** 1990 Oct; 2(5):915–8 (14 ref.)
Oncostatic effects of the pineal gland. Kerenyi NA, et al. **Drug Metabol Drug Interact** 1990;8(3–4):313–9 (253 ref.)
Mechanisms of cancer cachexia. Langstein HN, et al. **Hematol Oncol Clin North Am** 1991 Feb;5(1):103–23 (107 ref.)
The role of neurolytic blocks in the treatment of cancer pain. Coles PG, et al. **Int Anesthesiol Clin** 1991 Winter; 29(1):93–104 (25 ref.)
Keynote address: the influence of microenvironmental factors on the activity of radiation and drugs. Durand RE. **Int J Radiat Oncol Biol Phys** 1991 Feb;20(2):253–8 (64 ref.)
Controversies in the long-term management of analgesic therapy in patients with advanced cancer. Portenoy RK, et al. **J Palliat Care** 1991 Summer;7(2):13–24 (68 ref.)
Rectal, buccal, and sublingual narcotics for the management of cancer pain. Ripamonti C, et al. **J Palliat Care** 1991 Spring;7(1):30–5 (42 ref.)
Future strategies in the control of myelosuppression: the use of colony-stimulating factors. Haeuber D. **Oncol Nurs Forum** 1991 Mar;18(2 Suppl):16–21 (19 ref.)
Current strategies for managing myelosuppression in patients with cancer. Rostad ME. **Oncol Nurs Forum** 1991 Mar;18(2 Suppl):7–15 (27 ref.)
How cancer affects sexual functioning. Andersen BL. **Oncology (Williston Park)** 1990 Jun;4(6):81–8; discussion 92–4 (30 ref.)
Urokinase-dependent cell surface proteolysis and cancer. Blasi F, et al. **Semin Cancer Biol** 1990 Apr;1(2):117–26 (35 ref.)
Cancer pain relief and palliative care. Report of a WHO Expert Committee. **WHO Tech Rep Ser** 1990;804:1–75 (122 ref.)
[Pain and cancer] Lossignol DA. **Rev Med Brux** 1991 Jun; 12(6):215–21 (19 ref.) (Eng. Abstr.) **(Fre)**
[Tumor lectinology--status and perspectives of clinical application] Gabius HJ, et al. **Naturwissenschaften** 1990 Nov;77(11):505–14 (97 ref.) (Eng. Abstr.) **(Ger)**
[The role of macrophages in tumor growth] Okulov VB, et al. **Vopr Onkol** 1990;36(10):1170–8 (69 ref.) **(Rus)**

PREVENTION & CONTROL

Cancer chemoprevention. A review of ongoing clinical studies. Costa A, et al. **Acta Oncol** 1990;29(5):657–63 (31 ref.)
Can prenatal irradiation protect the embryo from tumor development? Einhorn L. **Acta Oncol** 1991;30(3):291–9 (100 ref.)
Modification of carcinogen metabolism by indolylic autolysis products of Brassica oleraceae. Bradfield CA, et al. **Adv Exp Med Biol** 1991;289:153–63 (64 ref.)
Prevention of adverse effects of food browning. Friedman M. **Adv Exp Med Biol** 1991;289:171–215 (133 ref.)
Carcinogenesis in our food and cancer prevention. Weisburger JH. **Adv Exp Med Biol** 1991;289:137–51 (44 ref.)
Vitamin C and cancer prevention: the epidemiologic evidence. Block G. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):270S–282S (155 ref.)
Vitamin E and cancer prevention. Knekt P, et al. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):283S–286S (29 ref.)
Studies evaluating antioxidants and beta-carotene as chemopreventives. Malone WF. **Am J Clin Nutr** 1991 Jan; 53(1 Suppl):305S–313S (21 ref.)
Premalignant lesions: role of antioxidant vitamins and beta-carotene in risk reduction and prevention of malignant transformation. Singh VN, et al. **Am J Clin Nutr** 1991 Jan; 53(1 Suppl):386S–390S (57 ref.)
Nutritional approach to cancer prevention with emphasis on vitamins, antioxidants, and carotenoids. Weisburger JH. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):226S–237S (117 ref.)
Role of vitamin E in the prophylaxis of cancer. Knekt P. **Ann Med** 1991 Feb;23(1):3–12 (116 ref.)
Causes of cancer and cancer prevention. Weisburger JH. **Arch Geschwulstforsch** 1990;60(5):385–99 (70 ref.)
Forces of change in the health care system. Implications for cancer care in the 1990s. Ettinger WH Jr. **Cancer** 1991 Mar 15;67(6 Suppl):1728–31 (14 ref.)
Needs and recommendations for behavior research in the prevention and early detection of cancer. Shiffman S, et al. **Cancer** 1991 Feb 1;67(3 Suppl):800–4 (5 ref.)
A population-based cancer prevention research unit. Henderson MM. **Cancer Detect Prev** 1991;15(1):17–9 (0 ref.)
Molecular epidemiology and cancer prevention. Perera FP, et al. **Cancer Detect Prev** 1990;14(6):639–45 (31 ref.)
Trends in primary and secondary prevention. Tubiana M. **Cancer Detect Prev** 1991;15(1):1–5 (0 ref.)
Use of exposure information and animal cancer data in the prevention of environmental and occupational cancer. Vainio H, et al. **Cancer Detect Prev** 1991;15(1):7–16 (36 ref.)
Whey proteins in cancer prevention. Bounous G, et al. **Cancer Lett** 1991 May 1;57(2):91–4 (33 ref.)
Cancer prevention: recent progress and future opportunities. Weinstein IB. **Cancer Res** 1991 Sep 15;51(18 Suppl):5080s–5085s (45 ref.)
Beta-carotene and cancer prevention: what is the evidence? Mayne ST. **Conn Med** 1990 Oct;54(10):547–51 (75 ref.)
Health and nutritional benefits from lactic acid bacteria. Gilliland SE. **FEMS Microbiol Rev** 1990 Sep;7(1–2):175–88 (82 ref.)
Prevention of cancer by agents that suppress oxygen radical formation. Troll W. **Free Radic Res Commun** 1991;12–13 Pt 2:751–7 (45 ref.)
Antioxidant micronutrients in cancer prevention. Dorgan JF, et al. **Hematol Oncol Clin North Am** 1991 Feb;5(1):43–68 (209 ref.)
Chemoprevention of cancer. Garewal HS, et al. **Hematol Oncol Clin North Am** 1991 Feb;5(1):69–77 (22 ref.)
Cancer prevention clinical trials. Nixon DW. **Hematol Oncol Clin North Am** 1991 Feb;5(1):185–9 (9 ref.)
Dietary fiber and cancer prevention. Shankar S, et al. **Hematol Oncol Clin North Am** 1991 Feb;5(1):25–41 (126 ref.)
Cancer prevention. Other selected interventions. Beral V. **IARC Sci Publ** 1990;(103):171–8 (19 ref.)
Current issues in cancer chemoprevention. Buring JE, et al. **IARC Sci Publ** 1990;(103):185–93 (28 ref.)
Prevention of cancer: review of the evidence from intervention trials. Coleman MP, et al. **IARC Sci Publ** 1990; (103):113–22 (22 ref.)
Phases in cancer control: intervention research. Cullen JW. **IARC Sci Publ** 1990;(103):1–11 (26 ref.)
Quantification of the effects of preventive measures. Kaldor J, et al. **IARC Sci Publ** 1990;(103):13–22 (28 ref.)
Changes in diet and changes in cancer risk: observational studies. Parkin DM, et al. **IARC Sci Publ** 1990;(103):93–111 (64 ref.)
Effectiveness of primary prevention of occupational exposures on cancer risk. Swerdlow AJ. **IARC Sci Publ** 1990;(103):23–56 (97 ref.)
Suppression of carcinogenesis: a role for TGF-beta and related molecules in prevention of cancer. Wakefield LM, et al. **Immunol Ser** 1990;51:217–43 (112 ref.)
Physical activity and cancer. Shephard RJ. **Int J Sports Med** 1990 Dec;11(6):413–20 (88 ref.)
Increasing use of soyfoods and their potential role in cancer prevention. Messina M, et al. **J Am Diet Assoc** 1991 Jul; 91(7):836–40 (56 ref.)
Cancer risk notification: psychosocial and ethical implications. Lerman C, et al. **J Clin Oncol** 1991 Jul; 9(7):1275–82 (82 ref.)
Carotenoid functions in photoprotection and cancer prevention. Mathews-Roth MM. **J Environ Pathol Toxicol Oncol** 1990 Jul–Oct; 10(4–5):181–92 (76 ref.)
Nutrition and cancer. Nixon DW. **J Med Assoc Ga** 1991 Mar; 80(3):141–3 (10 ref.)
Behavioural change and the stress-coping paradigm: some comments on modelling the European code on avoiding cancer. Kelly MP. **J Public Health Med** 1990;12(2):105–8 (14 ref.)
Strategies for cancer prevention through diet modification. Greenwald P, et al. **Med Oncol Tumor Pharmacother** 1990; 7(2–3):199–208 (60 ref.)
Nutritional intervention studies in cancer prevention. Holm LE. **Med Oncol Tumor Pharmacother** 1990;7(2–3):209–15 (35 ref.)
Health maintenance strategies for women of different ages. An overview. Rosen M. **Obstet Gynecol Clin North Am** 1990 Dec;17(4):673–94 (84 ref.)
Medical surveillance and biomonitoring for occupational cancer endpoints. Cone JE, et al. **Occup Med** 1990 Jul–Sep;

5(3):563–81 (85 ref.)
Reducing the risk of cancer through worksite intervention. Heimendinger J, et al. **Occup Med** 1990 Oct–Dec; 5(4):707–23 (76 ref.)
The social unit: an important facet in the design of cancer control research. Biglan A, et al. **Prev Med** 1991 Mar; 20(2):292–305 (55 ref.)
Inhibition of carcinogenesis by minor anutrient constituents of the diet. Wattenberg LW. **Proc Nutr Soc** 1990 Jul; 49(2):173–83 (36 ref.)
Antimutagenic/anticarcinogenic food components. Aeschbacher HU. **Prog Clin Biol Res** 1990;347:201–16 (58 ref.)
The chemoprevention of human cancer: an overview. Bertram JS. **Prog Clin Biol Res** 1990;354A:345–60 (33 ref.)
Opportunities for nutritional scientists in cancer prevention. Boutwell RK. **Prog Clin Biol Res** 1990;347:269–84 (31 ref.)
Conjugated dienoic derivatives of linoleic acid: mechanism of anticarcinogenic effect. Pariza MW, et al. **Prog Clin Biol Res** 1990;347:217–21 (12 ref.)
[Fish oil and cancer: a review] de Rooij PD, et al. **Ned Tijdschr Geneeskd** 1991 May 11;135(19):833–6 (39 ref.) **(Dut)**
[Prevention of malignant neoplasms] Ebeling K. **Z Arztl Fortbild (Jena)** 1990;84(17):859–64 (25 ref.) **(Ger)**
[Natural anti-mutagenic and anti-carcinogenic substances] Rahden-Staroń I. **Postepy Biochem** 1990;36(3–4):16–22 (54 ref.) **(Pol)**
[Selenium, vitamin A, C and E seem to have a preventive effect against cancer] Bruce A. **Lakartidningen** 1990 Dec 19;87(51–52):4439–42 (15 ref.) **(Swe)**
[Chemoprevention of cancer. Epidemiology and basic research point to new directions] Holmberg SB, et al. **Nord Med** 1991;106(3):86–9 (15 ref.) (Eng. Abstr.) **(Swe)**

PSYCHOLOGY

Smoking and smoking cessation in cancer patients. Gritz ER. **Br J Addict** 1991 May;86(5):549–54 (46 ref.)
Quality of life research in oncology. Past achievements and future priorities. Aaronson NK, et al. **Cancer** 1991 Feb 1; 67(3 Suppl):839–43 (10 ref.)
Methodologic issues in assessing the quality of life of cancer patients. Aaronson NK. **Cancer** 1991 Feb 1;67(3 Suppl):844–50 (64 ref.)
Quality of life after cancer. A policy perspective. Bloom JR. **Cancer** 1991 Feb 1;67(3 Suppl):855–9 (27 ref.)
Social support and the cancer patient. Implications for future research and clinical care. Broadhead WE, et al. **Cancer** 1991 Feb 1;67(3 Suppl):794–9 (37 ref.)
Scientific inquiry in childhood cancer psychosocial research. Theoretical, conceptual, and methodologic issues in the investigation and behavioral treatment of procedure-related distress. Carpenter PJ. **Cancer** 1991 Feb 1;67(3 Suppl):833–8 (31 ref.)
Epidemiologic perspectives on life-style modification and health promotion in cancer research. Celentano DD. **Cancer** 1991 Feb 1;67(3 Suppl):808–12 (20 ref.)
Progress and challenges in psychosocial and behavioral research in cancer in the twentieth century. Holland JC. **Cancer** 1991 Feb 1;67(3 Suppl):767–73 (26 ref.)
Social environment and social support. Kobasa SC, et al. **Cancer** 1991 Feb 1;67(3 Suppl):788–93 (18 ref.)
Physiologic and psychobehavioral research in oncology. Redd WH, et al. **Cancer** 1991 Feb 1;67(3 Suppl):813–22 (52 ref.)
Psychologic support and psychotropic medications. Hennaux P, et al. **Curr Opin Oncol** 1990 Oct;2(5):929–36 (23 ref.)
Determinants of grief resolution in cancer death. Yancey D, et al. **J Palliat Care** 1990 Winter;6(4):24–31 (33 ref.)
Managing the psychosocial consequences of cancer recurrence: implications for nurses. Mahon SM. **Oncol Nurs Forum** 1991 Apr;18(3):577–83 (35 ref.)
Psychosocial needs of long-term childhood cancer survivors: a review of literature. Chang PN. **Pediatrician** 1991; 18(1):20–4 (42 ref.)
Cancer during adolescence. List MA, et al. **Pediatrician** 1991; 18(1):32–6 (18 ref.)
Why patients delay seeking care for cancer symptoms. What you can do about it. Love N. **Postgrad Med** 1991 Mar; 89(4):151–2, 155–8 (27 ref.)
Psychological correlates in the development of cancer: a review. Graves PL. **Psychiatr Med** 1990;8(4):23–35 (45 ref.)
Quality of life in oncology patients. Muthny FA, et al. **Psychother Psychosom** 1990;54(2–3):145–60 (41 ref.)
Theories used in patient/health education. Padilla GV, et al. **Semin Oncol Nurs** 1991 May;7(2):87–96 (74 ref.)
[Patients coping with cancer. A review] Johansen C, et al. **Ugeskr Laeger** 1991 Mar 18;153(12):824–8 (26 ref.) (Eng. Abstr.) **(Dan)**
[Cancer and suicide. Review of the literature] Stenager EN, et al. **Ugeskr Laeger** 1991 Mar 11;153(11):764–8 (30 ref.) (Eng. Abstr.) **(Dan)**
[Clinical observations on the topic of informing cancer patients] Schlömer U. **Rontgenpraxis** 1990 Oct;43(10):380–4 (17 ref.) **(Ger)**
[The oncologist and his patient] Obrecht JP. **Schweiz Rundsch Med Prax** 1991 Apr 23;80(17):450–5 (0 ref.) (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

The biological approach to radioimmunoscintigraphy. Mansi L, et al. **Biomed Pharmacother** 1990;44(6):295–301 (43 ref.)
The applications of positron emission tomography to oncology [editorial] Ott RJ. **Br J Cancer** 1991 Mar; 63(3):343–5 (27 ref.)
Single photon emission computed tomography and positron emission tomography in cancer imaging. Coleman RE. **Cancer** 1991 Feb 15;67(4 Suppl):1261–70 (50 ref.)
Radioimmunology. Imaging and therapy. Larson SM. **Cancer** 1991 Feb 15;67(4 Suppl):1253–60 (58 ref.)
Antibody targeting: theoretical considerations. Bradwell A, et al. **Cancer Treat Res** 1990;51:11–25 (38 ref.)
Requirements for the use of radioimmunodetection of cancer in clinical practice. Buraggi G. **Cancer Treat Res** 1990; 51:247–71 (38 ref.)
Chelates and antibodies: current methods and new directions. Gansow OA, et al. **Cancer Treat Res** 1990;51:153–71 (45 ref.)
In-vivo antibody imaging for the detection of human tumors. Goldenberg DM, et al. **Cancer Treat Res** 1990;51:273–92 (94 ref.)
Clinical radioimmunodetection: the second decade. Goldenberg DM. **Cancer Treat Res** 1990;51:3–9 (50 ref.)
Augmentation of tumor antigen expression by recombinant human interferons: enhanced targeting of monoclonal antibodies to carcinomas. Greiner JW, et al. **Cancer Treat Res** 1990;51:413–32 (59 ref.)
Labeling of anti-tumor antibodies and antibody fragments with Tc-99m. Hansen HJ, et al. **Cancer Treat Res** 1990; 51:233–44 (39 ref.)
Radiolabeling antibodies via the cyclic anhydride of DTPA—experiences of 5 years. Hnatowich DJ. **Cancer Treat Res** 1990;51:173–81 (43 ref.)
Physiology of monoclonal antibody accretion by tumors. Sands H, et al. **Cancer Treat Res** 1990;51:97–122 (96 ref.)
Tumor targeting with monoclonal antibody B72.3: experimental and clinical results. Schlom J, et al. **Cancer Treat Res** 1990;51:313–35 (44 ref.)
Anti-antibody enhancement of tumor imaging. Sharkey RM, et al. **Cancer Treat Res** 1990;51:433–55 (46 ref.)
Bifunctional chelating agents for radiometal-labeled monoclonal antibodies. Subramanian R, et al. **Cancer Treat Res** 1990;51:183–99 (50 ref.)
Intraperitoneal delivery of monoclonal antibodies. Wahl RL. **Cancer Treat Res** 1990;51:123–49 (69 ref.)
Antibody lymphoscintigraphy. Weinstein JN. **Cancer Treat Res** 1990;51:365–85 (50 ref.)
The applications of PET in clinical oncology. Strauss LG, et al. **J Nucl Med** 1991 Apr;32(4):623–48; discussion 649–50 (132 ref.)
Radiolabelled monoclonal antibodies in oncology. I. Technical aspects. Britton KE, et al. **Nucl Med Commun** 1991 Jan;12(1):65–76 (25 ref.)
Radiolabelled monoclonal antibodies in oncology. II. Clinical applications in diagnosis. Granowska M, et al. **Nucl Med Commun** 1991 Feb;12(2):83–98 (40 ref.)
Monoclonal antibody pretargetting techniques for tumour localization: the avidin–biotin system. International Workshop on Techniques for Amplification of Tumour Targetting. Paganelli G, et al. **Nucl Med Commun** 1991 Mar;12(3):211–34 (102 ref.)
Biological and clinical perspectives of cancer imaging and therapy with radiolabeled antibodies. Goldenberg DM, et al. **Semin Cancer Biol** 1990 Jun;1(3):217–25 (65 ref.)
[Use of radiolabeled monoclonal antibodies for diagnostic imaging] Endo K. **Nippon Igaku Hoshasen Gakkai Zasshi** 1990 Aug 25; 50(8):901–9 (12 ref.) (Eng. Abstr.) **(Jpn)**
[Radionuclide–labelled liposomes for demonstrating malignant neoplasms] Kostenikov NA, et al. **Med Radiol (Mosk)** 1990 Nov;35(11):44–7 (78 ref.) **(Rus)**
[Monoclonal antibodies as tumoritropic radiopharmaceutical preparations for immunolocalization of malignant neoplasms] Tkacheva GA. **Med Radiol (Mosk)** 1991; 36(5):42–9 (89 ref.) **(Rus)**

RADIOTHERAPY

The theoretical implications and experimental and clinical results of radiolabeled antiferritin. Order SE. **Acta Oncol** 1990;29(6):689–94 (46 ref.)
Urinary biomarkers in radiation therapy of cancer. Bergtold DS, et al. **Adv Exp Med Biol** 1990;264:311–6 (12 ref.)
Enhancing thermoradiotherapy efficacy by hyperglycemia. Yarmonenko SP, et al. **Adv Exp Med Biol** 1990;267:463–70 (5 ref.)
25th Paterson Symposium—is there a future for radiosensitivity testing? West CM, et al. **Br J Cancer** 1991 Jul;64(1):197–9 (0 ref.)
Rationale for different chemotherapeutic and radiation therapy strategies in cancer management. Looney WB, et al. **Cancer** 1991 Mar 15;67(6):1471–83 (79 ref.)
The emerging biology of modern radiation oncology. Goffman TE, et al. **Cancer Res** 1990 Dec 15;50(24):7735–44 (115 ref.)
Radiation oncology: past achievements and ongoing controversies. Mitchell JB, et al. **Cancer Res** 1991 Sep 15; 51(18 Suppl):5065s–5073s (63 ref.)
Antibody targeted therapy in cancer: comparison of murine and clinical studies. Begent RH, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):373–8 (31 ref.)
The trouble with neutrons. Scalliet P. **Eur J Cancer** 1991; 27(3):225–30 (33 ref.)
Possible applications of biotechnology to radiotherapy. Weichselbaum RR. **Eur J Cancer** 1991;27(4):405–7 (19 ref.)
Radionuclide therapy revisited. Hoefnagel CA. **Eur J Nucl Med** 1991;18(6):408–31 (203 ref.)
Treatment planning in electron beam therapy. Hogstrom KR. **Front Radiat Ther Oncol** 1991;25:30–52; discussion 61–3 (21 ref.)
Basic physics of electron beam therapy. Khan FM. **Front Radiat Ther Oncol** 1991;25:10–29; discussion 61–3 (15 ref.)
Electron beam therapy in children. Kun LE. **Front Radiat Ther Oncol** 1991;25:201–6; discussion 207–8 (0 ref.)
External beam electron therapy: pitfalls in treatment planning and deliverance. Olch A, et al. **Front Radiat Ther Oncol** 1991;25:64–79 (1 ref.)
Three-dimensional conformal treatment: a new frontier in radiation therapy. Fuks Z, et al. **Important Adv Oncol** 1991; :151–72 (132 ref.)
Potential for tumor therapy with iodine-125 labeled immunoglobulins. Adelstein SJ, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):43–4 (10 ref.)
The value of adjunctive radiotherapy when chemotherapy is the major curative method. Arriagada R, et al. **Int J Radiat Oncol Biol Phys** 1990 Nov;19(5):1279–84 (56 ref.)
Cisplatin and radiation: interaction probabilities and therapeutic possibilities. Begg AC. **Int J Radiat Oncol Biol Phys** 1990 Nov;19(5):1183–9 (46 ref.)
Keynote address: mechanisms of cellular resistance to cytotoxic drugs and X-irradiation. Carmichael J, et al. **Int J Radiat Oncol Biol Phys** 1991 Feb;20(2):197–202 (43 ref.)
A review of hypoxic cell radiosensitization. Dische S. **Int J Radiat Oncol Biol Phys** 1991 Jan;20(1):147–52 (41 ref.)
The rationale for continuous, hyperfractionated, accelerated radiotherapy (CHART). Dische S, et al. **Int J Radiat Oncol Biol Phys** 1990 Nov;19(5):1317–20 (14 ref.)
Tolerance of normal tissue to therapeutic irradiation. Emami B, et al. **Int J Radiat Oncol Biol Phys** 1991 May 15; 21(1):109–22 (197 ref.)
Keynote address: integration of cytostatic agents and radiation therapy: a different approach to "proliferating" human tumors. Kinsella TJ, et al. **Int J Radiat Oncol Biol Phys** 1991 Feb;20(2):295–302 (50 ref.)
The biological basis for conformal three-dimensional radiation therapy [see comments] Leibel SA, et al. **Int J Radiat Oncol Biol Phys** 1991 Aug;21(3):805–11 (71 ref.) Comment in: Int J Radiat Oncol Biol Phys 1991 Aug;21(3):853–5.
The influence of national attitudes on the use of radiotherapy in advanced and metastatic cancer, with particular reference to differences between the United Kingdom and the United States of America: implications for future studies. Maher EJ. **Int J Radiat Oncol Biol Phys** 1991 Jun; 20(6):1369–73 (17 ref.)
Cell repopulation and overall treatment time. Trott KR. **Int J Radiat Oncol Biol Phys** 1990 Oct;19(4):1071–5 (21 ref.)
Non-standard CT scanners: their role in radiotherapy. Webb S. **Int J Radiat Oncol Biol Phys** 1990 Dec;19(6):1589–607 (92 ref.)
General principles and perspectives of cancer therapy with radiopharmaceuticals. Shapiro B, et al. **J Nucl Med Allied Sci** 1990 Oct–Dec;34(4):260–4 (22 ref.)
Current status of radioimmunoglobulins in the treatment of human malignancy. Order SE, et al. **Oncology (Williston Park)** 1989 May;3(5):115–20; discussion 122, 129–30 (26 ref.)
Combining hyperthermia and radiation: how beneficial? Sneed PK, et al. **Oncology (Williston Park)** 1991 Mar; 5(3):99–108; discussion 109–10, 112 (47 ref.)
Management of growth failure in the treatment of malignant disease. Leiper AD. **Pediatr Hematol Oncol** 1990; 7(4):365–71 (17 ref.)
Reproductive potential in survivors of childhood malignancy. Levy MJ, et al. **Pediatrician** 1991;18(1):61–70 (70 ref.)
Growth and pubertal development in survivors of childhood cancer. Sklar CA. **Pediatrician** 1991;18(1):53–60 (61 ref.)
Microenvironmental changes in irradiated tumors. Rockwell S, et al. **Prog Clin Biol Res** 1990;354B:67–80 (36 ref.)
Recent advances in radiation oncology. Brotman RL, et al. **R I Med J** 1990 Oct;73(10):465–73 (34 ref.)
Hypofractionation: lessons from complications. Fletcher GH. **Radiother Oncol** 1991 Jan;20(1):10–5 (28 ref.)
The use of fluorocarbon emulsions in cancer radiotherapy. Guichard M. **Radiother Oncol** 1991;20 Suppl 1:59–64 (27 ref.)
Could manipulation of the binding affinity of haemoglobin for oxygen be used clinically to sensitize tumours to radiation? Hirst DG, et al. **Radiother Oncol** 1991;20 Suppl 1:53–7 (21 ref.)
Radiosensitization with normobaric oxygen and carbogen. Rojas A. **Radiother Oncol** 1991;20 Suppl 1:65–70 (41 ref.)
Time-dose factors in radiotherapy: a review of the human data. Thames HD, et al. **Radiother Oncol** 1990 Nov;

19(3):219–35 (78 ref.)
The curability of tumours of differing size by targeted radiotherapy using 131I or 90Y. Wheldon TE, et al. **Radiother Oncol** 1991 Jun;21(2):91–9 (29 ref.)
Fertility and pregnancy after malignancy. Byrne J. **Semin Perinatol** 1990 Oct;14(5):423–9 (37 ref.)
[Palliative radiation therapy] Bleher EA. **Schweiz Med Wochenschr** 1991 Aug 6;121(31–32):1111–9 (69 ref.) (Eng. Abstr.) **(Ger)**
[Radiotherapy as an emergency measure] Frey B, et al. **Schweiz Rundsch Med Prax** 1991 Mar 26;80(13):325–30 (43 ref.) (Eng. Abstr.) **(Ger)**
[Significance of radiogenic damage for lymphology] Herpertz U. **Z Lymphol** 1990 Dec;14(2):62–7 (0 ref.) (Eng. Abstr.) **(Ger)**
[Chemoradiation treatment of patients with solid tumors (a review of the problem over the last 6 years)] Aliev BM. **Med Radiol (Mosk)** 1991;36(5):56–60 (58 ref.) **(Rus)**
[The main trends in the pharmacological correction of radiation scleroses] Dubrovskaia VF. **Med Radiol (Mosk)** 1991;36(6):55–7 (42 ref.) **(Rus)**
[Current methods of radiotherapy of malignant tumors and prospects for their development] Pereslegin IA, et al. **Vestn Rentgenol Radiol** 1990 May–Jun;(3):19–25 (28 ref.) **(Rus)**

REHABILITATION

Psychosocial needs of long-term childhood cancer survivors: a review of literature. Chang PN. **Pediatrician** 1991; 18(1):20–4 (42 ref.)
Rehabilitation of the person with cancer. Mayer DK. **Recent Results Cancer Res** 1991;121:437–41 (36 ref.)
Sexuality: an unknown word for patients with a stoma? Wells RJ. **Recent Results Cancer Res** 1991;121:115–20 (10 ref.)
[Medico-psychosocial rehabilitation of patients with cancer] Razavi D. **Rev Med Brux** 1991 Jan–Feb;12(1–2):19–25 (51 ref.) (Eng. Abstr.) **(Fre)**

SECRETION

[Hormone-active gastrointestinal tumors. I. Pathophysiology and clinical aspects] Müller MK, et al. **Med Klin** 1990 Oct 15;85(10):598–601 (0 ref.) **(Ger)**

SURGERY

Adrenal insufficiency in the cancer patient: implications for the surgeon. Ihde JK, et al. **Br J Surg** 1990 Dec; 77(12):1335–7 (24 ref.)
Bone marrow transplantation for solid tumors in pediatrics. Moss TJ. **Cancer Treat Res** 1990;50:279–98 (91 ref.)
New developments in bone marrow transplantation. Slavin S, et al. **Curr Opin Oncol** 1991 Apr;3(2):254–71 (167 ref.)
Autologous bone marrow transplantation in solid tumors. Spitzer G. **Curr Opin Oncol** 1991 Apr;3(2):238–44 (28 ref.)
Autologous bone marrow transplantation. Gulati SC, et al. **Curr Probl Cancer** 1991 Jan–Feb;15(1):1–57 (176 ref.)
Apparatus, technique and dosimetry of intraoperative electron beam therapy. Jones D. **Front Radiat Ther Oncol** 1991;25:233–45 (29 ref.)
Surgical aspects of intraoperative radiation therapy. Merrick HW 3d. **Front Radiat Ther Oncol** 1991;25:209–23 (26 ref.)
Surgical aspects of intraoperative electron beam therapy. Owens JC, et al. **Front Radiat Ther Oncol** 1991;25:224–32 (2 ref.)
A perspective on dose-intensive therapy with autologous bone marrow transplantation for solid tumors. Ayash LJ, et al. **Oncology (Williston Park)** 1991 Mar;5(3):25–33; discussion 33, 36, 41 (47 ref.)
Strategies and needs for nutritional support in cancer surgery. Schlag P, et al. **Recent Results Cancer Res** 1991;121:233–48 (37 ref.)
[Surgical removal of diaphragmatic metastasis of advanced ovarian cancer. Review of the literature] Rodier JF, et al. **Rev Fr Gynecol Obstet** 1991 Jan;86(1):39–42 (15 ref.) (Eng. Abstr.) **(Fre)**
[Life style and quality of life of children and adolescents following malignant tumor disease] Häberle H, et al. **Zentralbl Chir** 1990;115(15):925–32 (12 ref.) (Eng. Abstr.) **(Ger)**
[Recent surgical approach for pediatric malignant tumor] Kaneko M. **Gan To Kagaku Ryoho** 1990 Dec;17(12):2313–8 (7 ref.) (Eng. Abstr.) **(Jpn)**
[Cryosurgical method of treatment in some areas of oncology] Chissov VI, et al. **Khirurgiia (Mosk)** 1991 Apr; (4):156–62 (93 ref.) **(Rus)**
[Effect of surgical stress on cytotoxicity of the natural killer cells] Zlochevskaia LL. **Klin Khir** 1990;(8):42–7 (74 ref.) **(Rus)**
[Cancer treatment can be "tailor-made" with laser surgery and photochemistry] Löfgren L. **Lakartidningen** 1990 Sep 5;87(36):2754, 2757–60 (12 ref.) **(Swe)**

THERAPY

New therapeutic modalities for cancer. Thomas H, et al. **Acta Oncol** 1991;30(1):107–20 (82 ref.)
Local hyperthermia for deep tumors. Bicher HI, et al. **Adv Exp Med Biol** 1990;267:411–22 (38 ref.)
Clinical use of regional hyperthermia. Bicher HI, et al. **Adv Exp Med Biol** 1990;267:1–20 (109 ref.)
Perspectives for the combined use of photodynamic therapy and hyperthermia in cancer patient. Freitas I, et al. **Adv Exp Med Biol** 1990;267:511–20 (28 ref.)
Hyperthermia and chemotherapy. Galen WP. **Adv Exp Med Biol** 1990;267:209–16 (19 ref.)
Extracorporeally induced total-body hyperthermia for disseminated cancer. Koga S, et al. **Adv Exp Med Biol** 1990; 267:177–88 (31 ref.)
Local tumor hyperthermia in the 1990s. Lele PP. **Adv Exp Med Biol** 1990;267:37–46 (13 ref.)
The basis for hyperthermia becoming the fourth cancer treatment modality in the 1990's. McLaren JR, et al. **Adv Exp Med Biol** 1990;267:21–36 (73 ref.)
Biochemical and ultrastructural changes in the hyperthermic treatment of tumor cells: an outline. Marcocci L, et al. **Adv Exp Med Biol** 1990;267:99–120 (115 ref.)
Immunotherapeutical strategies in cancer patients. Munno I, et al. **Adv Exp Med Biol** 1990;267:477–82 (17 ref.)
Procedures for improving therapeutic gain. Osinsky S, et al. **Adv Exp Med Biol** 1990;267:251–70 (27 ref.)
Hyperthermia and hyperglycemia in the tumors therapy. Osinsky S, et al. **Adv Exp Med Biol** 1990;267:457–62 (8 ref.)
Perspectives and hopes for the 1990s. Pigliucci GM, et al. **Adv Exp Med Biol** 1990;267:293–6 (10 ref.)
Radiant heat systemic hyperthermia clinical trials. Robins HI, et al. **Adv Exp Med Biol** 1990;267:189–96 (34 ref.)
Enhancing thermoradiotherapy efficacy by hyperglycemia. Yarmonenko SP, et al. **Adv Exp Med Biol** 1990;267:463–70 (5 ref.)
Adoptive T cell therapy of tumors: mechanisms operative in the recognition and elimination of tumor cells. Greenberg PD. **Adv Immunol** 1991;49:281–355 (360 ref.)
Modern immunotherapy of cancer. Ravikumar TS, et al. **Adv Surg** 1991;24:41–68 (116 ref.)
Clinical effects of recombinant human interleukin-3. Ganser A, et al. **Am J Clin Oncol** 1991;14 Suppl 1:S51–63 (56 ref.)
Hemopoietins in clinical oncology. Kanz L, et al. **Am J Clin Oncol** 1991;14 Suppl 1:S27–33 (77 ref.)
New therapeutic modalities for the clinical use of rhGM-CSF in patients with malignancies. Schulz G, et al. **Am J Clin Oncol** 1991;14 Suppl 1:S19–26 (32 ref.)
The International Consensus Meeting on Hyperthermia. Valdagni R. **Am J Clin Oncol** 1991 Jun;14(3):267–9 (3 ref.)
Photodynamic therapy. Puolakkainen P, et al. **Ann Chir Gynaecol** 1990;79(4):240–3 (31 ref.)
Role of biological response modifiers in immunochemotherapy of solid tumors and retroviral-induced leukemia. Fuggetta MP, et al. **Ann Ist Super Sanita** 1990;26(3–4):385–95 (86 ref.)
Interleukin 2 in cancer therapy. Testa U, et al. **Ann Ist Super Sanita** 1990;26(3–4):283–334 (457 ref.)
Hematopoietins: biology, pathophysiology, and potential as therapeutic agents. Mertelsmann R. **Ann Oncol** 1991 Apr; 2(4):251–63 (122 ref.)
Recombinant monoclonal antibodies in tumor therapy. Seemann G, et al. **Behring Inst Mitt** 1990 Dec;(87):33–47 (44 ref.)
Liposomal delivery of biological response modifiers to macrophages. Pak CC, et al. **Biotherapy** 1991;3(1):55–64 (77 ref.)
The evolving role of autologous peripheral stem cell transplantation following high-dose therapy for malignancies [editorial] Kessinger A, et al. **Blood** 1991 Jan 15;77(2):211–3 (13 ref.)
The late effects of cancer therapy in childhood [editorial] Morris Jones PH. **Br J Cancer** 1991 Jul;64(1):1–2 (25 ref.)
Intron A—a therapeutic focus. Haworth C. **Br J Clin Pract** 1990 Nov;44(11):471–4 (27 ref.)
Unproven methods of cancer management. Fresh cell therapy. **CA** 1991 Mar–Apr;41(2):126–8 (15 ref.)
Unproven methods of cancer management. Livingston-Wheeler therapy. **CA** 1991 May–Jun; 41(3):A7–12 (27 ref.)
Care of the child dying of cancer: Part I. Foley GV, et al. **CA** 1990 Nov–Dec;40(6):327–54 (102 ref.)
Questionable cancer practices in Tijuana and other Mexican border clinics. **CA Cancer J Clin** 1991 Sep–Oct;41(5):310–9 (72 ref.)
Community cancer programs as strategic alliances: challenges and guidelines for action. Kaluzny AD. **Can Med Assoc J** 1991 Jun 1;144(11):1427–32 (30 ref.)
Quality-of-life-adjusted survival for comparing cancer treatments. A commentary on TWiST and Q-TWiST. Feldstein ML. **Cancer** 1991 Feb 1;67(3 Suppl):851–4 (4 ref.)
Continuity of cancer care. Lauria MM. **Cancer** 1991 Mar 15;67(6 Suppl):1759–66 (24 ref.)
Alternative therapies, 1990. An overview. McGinnis LS. **Cancer** 1991 Mar 15;67(6 Suppl):1788–92 (16 ref.)
Measuring the quality of care for the cancer patient. Marder RJ. **Cancer** 1991 Mar 15;67(6 Suppl):1753–8 (22 ref.)
Access to cancer prevention, detection, and treatment. Steiner CB. **Cancer** 1991 Mar 15;67(6 Suppl):1736–40 (20 ref.)
Advances in medical imaging for cancer diagnosis and treatment. Wagner HN Jr, et al. **Cancer** 1991 Feb 15;67(4 Suppl):1121–8 (52 ref.)
Structure of solid tumors and their vasculature: implications for therapy with monoclonal antibodies. Dvorak HF, et al. **Cancer Cells** 1991 Mar;3(3):77–85 (50 ref.)
The epidermal growth factor receptor as a target for therapy. Harris AL. **Cancer Cells** 1990 Oct;2(10):321–3 (22 ref.)
Targeted cellular immunotherapy with bifunctional antibodies. Nelson H. **Cancer Cells** 1991 May;3(5):163–72 (63 ref.)
Monoclonal antibody therapy of cancer. DiMaggio JJ, et al. **Cancer Chemother Biol Response Modif** 1990;11:177–203 (280 ref.)
Supportive care. Markman M. **Cancer Chemother Biol Response Modif** 1990;11:593–601 (34 ref.)
Pediatric tumors. Sommelet-Olive D, et al. **Cancer Chemother Biol Response Modif** 1990;11:575–92 (123 ref.)
Adoptive cellular therapy. Urba WJ, et al. **Cancer Chemother Biol Response Modif** 1990;11:265–80 (67 ref.)
Endocrine tumors. van der Hoeven JJ, et al. **Cancer Chemother Biol Response Modif** 1990;11:476–83 (35 ref.)
Problems and prospects of new immunotherapeutic approaches. Fridman WH, et al. **Cancer Detect Prev** 1990; 14(6):657–60 (15 ref.)
Palliative care—the fourth phase of cancer prevention. MacDonald N. **Cancer Detect Prev** 1991;15(3):253–5 (8 ref.)
Hematopoietic growth factors in oncology. Mertelsmann R, et al. **Cancer Detect Prev** 1990;14(6):613–6 (17 ref.)
Achievable goals and relevant endpoints in cancer treatment. Tattersall MH. **Cancer Detect Prev** 1990;14(6):679–81 (9 ref.)
Overview of monoclonal antibodies in the diagnosis and therapy of cancer. Vaickus L, et al. **Cancer Invest** 1991; 9(2):195–209 (67 ref.)
Tumor vaccines. Bystryn JC. **Cancer Metastasis Rev** 1990 Jul;9(1):81–91 (44 ref.)
Vascular attack as a therapeutic strategy for cancer. Denekamp J. **Cancer Metastasis Rev** 1990 Nov;9(3):267–82 (88 ref.)
Vascular and interstitial barriers to delivery of therapeutic agents in tumors. Jain RK. **Cancer Metastasis Rev** 1990 Nov;9(3):253–66 (61 ref.)
New developments in clinical oncology: the interdependence of bench and bedside. Antman KH. **Cancer Res** 1991 Sep 15;51(18 Suppl):5060s–5064s (55 ref.)
Immunotherapy and gene therapy of cancer. Rosenberg SA. **Cancer Res** 1991 Sep 15;51(18 Suppl):5074s–5079s (43 ref.)
The potential role of granulocyte-macrophage colony stimulating factor (GM-CSF) in cancer chemotherapy. Cebon JS, et al. **Cancer Surv** 1990;9(1):131–55 (123 ref.)
The role of haemopoietic growth factors in the treatment of cancer: perspectives and future prospects. Crowther D. **Cancer Surv** 1990;9(1):213–31 (52 ref.)
The Crookshank lecture: biological response modifiers in the treatment of cancer. Guillou PJ. **Clin Oncol (R Coll Radiol)** 1990 Nov;2(6):347–53 (41 ref.)
Developments in surgical oncology: induction (neoadjuvant) chemotherapy—the state of the art. Stephens FO. **Clin Oncol (R Coll Radiol)** 1990 May;2(3):168–72 (21 ref.)
Radioimmunotherapy of malignancies. Reilly RM. **Clin Pharm** 1991 May;10(5):359–75 (110 ref.)
New therapeutic strategies in the treatment of murine diseases induced by virus and solid tumors: biology and implications for the potential treatment of human leukemia, AIDS, and solid tumors. Shen RN, et al. **Crit Rev Oncol Hematol** 1990; 10(3):253–65 (166 ref.)
Targeting of monoclonal antibodies to tumours. Courtenay-Luck NS, et al. **Curr Opin Immunol** 1989–90; 2(6):880–3 (17 ref.)
Immunotherapy and immunity to cancer: cellular mechanisms. Ferrini S, et al. **Curr Opin Immunol** 1989–90; 2(5):683–8 (32 ref.)
Monoclonal antibodies in cancer therapy. Mellstedt H. **Curr Opin Immunol** 1989–90;2(5):708–13 (29 ref.)
Supportive care in patients with cancer: quality of life and ethical issues. Feld R. **Curr Opin Oncol** 1990 Oct;2(5):924–8 (6 ref.)
Monoclonal antibodies and tumor vaccines. Ferrone S. **Curr Opin Oncol** 1990 Dec;2(6):1146–51 (13 ref.)
Autologous bone marrow transplantation in solid tumors. Goldstone AH. **Curr Opin Oncol** 1990 Apr;2(2):269–76 (20 ref.)
Monoclonal antibodies for the treatment of cancer: therapeutic strategies. Houghton AN, et al. **Curr Opin Oncol** 1989 Dec;1(2):258–65 (39 ref.)
Attempts to enhance locoregional control of cancer by radiotherapy, phototherapy, and combined modality therapy. Ruckdeschel JC. **Curr Opin Oncol** 1989 Dec; 1(2):231–5 (30 ref.)
Adoptive cellular immunotherapy for cancer: interleukin-2 activated lymphocytes. Wolf JA Jr, et al. **Curr Opin Oncol** 1989 Dec;1(2):249–57 (28 ref.)
Ex vivo activation and retransfusion of white blood cells. The immunotherapy of cancer. Hamblin TJ. **Curr Stud Hematol Blood Transfus** 1990;(57):249–66 (42 ref.)
Response of tumors to thermodynamic stimulation of the immune system. Keen AR, et al. **Del Med J** 1990 Aug; 62(8):1155–6, 1159–64 (43 ref.)
Clinical use of biologic response modifiers in cancer treatment: an overview. Part II. Colony-stimulating factors and interleukin-2. Balmer CM. **DICP** 1991 May;25(5):490–8 (87 ref.)
Hyperthermia in clinical oncology. Reinhold HS, et al. **Eur J Cancer** 1990;26(8):915–6 (28 ref.)
Nutritional support of the surgical oncology patient. Chen MK, et al. **Hematol Oncol Clin North Am** 1991 Feb;

5(1):125–45 (136 ref.)
Nutritional support of the medical oncology patient. Chlebowski RT. **Hematol Oncol Clin North Am** 1991 Feb; 5(1):147–60 (78 ref.)
Clinical trials of nutritional support in cancer. Parenteral and enteral therapy. Lipman TO. **Hematol Oncol Clin North Am** 1991 Feb;5(1):91–102 (49 ref.)
Nutritional support and cancer cachexia. Evolving concepts of mechanisms and adjunctive therapies. Ng EH, et al. **Hematol Oncol Clin North Am** 1991 Feb;5(1):161–84 (148 ref.)
Activated killer monocytes: preclinical model systems. Shinomiya H, et al. **Immunol Ser** 1989;48:101–26 (87 ref.)
Adoptive cellular immunotherapy of cancer: an overview. Stevenson HC. **Immunol Ser** 1989;48:1–18 (15 ref.)
Hyperthermia--a new dimension in cancer treatment. Singh BB. **Indian J Biochem Biophys** 1990 Aug;27(4):195–201 (50 ref.)
International Consensus Meeting on Hyperthermia: Final report. Valdagni R. **Int J Hyperthermia** 1990 Sep–Oct; 6(5):839–77; discussion 879–80 (147 ref.)
Immunomodulation by propionibacteria. Roszkowski W, et al. **Int J Med Microbiol** 1990 Dec;274(3):289–98 (63 ref.)
Keynote address: the influence of microenvironmental factors on the activity of radiation and drugs. Durand RE. **Int J Radiat Oncol Biol Phys** 1991 Feb;20(2):253–8 (64 ref.)
Keynote address: modulation of normal tissue toxicity by combined modality therapy: considerations for improving the therapeutic gain. Stewart FA. **Int J Radiat Oncol Biol Phys** 1991 Feb;20(2):319–25 (65 ref.)
Therapeutic plasmapheresis and protein A immunoadsorption in malignancy: a brief review. Nand S, et al. **J Clin Apheresis** 1990;5(4):206–12 (77 ref.)
Monoclonal antibody therapy of human cancer: taking the HER2 protooncogene to the clinic. Shepard HM, et al. **J Clin Immunol** 1991 May;11(3):117–27 (35 ref.)
Immunotoxins: new therapeutic reagents for autoimmunity, cancer, and AIDS. Vitetta ES. **J Clin Immunol** 1990 Nov; 10(6 Suppl):15S–18S (42 ref.)
The preparation of effector cells for use in the adoptive cellular immunotherapy of human cancer. Yannelli JR. **J Immunol Methods** 1991 May 17;139(1):1–16 (89 ref.)
Interleukin-2: prospects for lymphocyte-mediated destruction of pediatric malignancies. Sondel PM. **J Pediatr** 1991 Mar;118(3):S14–6 (11 ref.)
Photothermal sensitizers: possible use in tumor therapy. Jori G, et al. **J Photochem Photobiol B** 1990 Jun;6(1–2):93–101 (27 ref.)
Nutritional support in the cancer patient. Daly JM, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):244S–248S (58 ref.)
Goals and rationale of cancer treatment. Olweny CL. **Med J Aust** 1991 Aug 5;155(3):187–92 (48 ref.)
Rationales for combining chemotherapy and biotherapy in the treatment of cancer. Dillman RO. **Mol Biother** 1990 Dec;2(4):201–7 (67 ref.)
Potential therapeutic applications of PHA-L4, the mitogenic isolectin of phytohemagglutinin. Wimer BM. **Mol Biother** 1990 Dec;2(4):196–200 (11 ref.)
Monoclonal antibody therapy of cancer. Goldenberg DM, et al. **N J Med** 1990 Nov;87(11 Spec No):913–8 (0 ref.)
Radiolabelled monoclonal antibodies in oncology. III. Radioimmunotherapy. Britton KE, et al. **Nucl Med Commun** 1991 Apr;12(4):333–47 (57 ref.)
Ageism in cancer care of the elderly. Derby SE. **Oncol Nurs Forum** 1991 Jul;18(5):921–6 (49 ref.)
Recognizing and managing the late effects of cancer treatment. Leventhal BG, et al. **Oncology (Williston Park)** 1989 May;3(5):73–84; discussion 85–6 (71 ref.)
Combining hyperthermia and radiation: how beneficial? Sneed PK, et al. **Oncology (Williston Park)** 1991 Mar; 5(3):99–108; discussion 109–10, 112 (47 ref.)
The clinical significance of interleukin-2. Bergmann L. **Onkologie** 1990 Dec;13(6):416–22 (64 ref.)
Principles of treatment of pediatric solid tumors. Berg SL, et al. **Pediatr Clin North Am** 1991 Apr;38(2):249–67 (67 ref.)
Optimal management of acute toxicities of therapy. Gootenberg JE, et al. **Pediatr Clin North Am** 1991 Apr; 38(2):269–97 (233 ref.)
Treatment of high-risk solid tumors of childhood with intensive therapy and autologous bone marrow transplantation. Seeger RC, et al. **Pediatr Clin North Am** 1991 Apr;38(2):393–424 (183 ref.)
Long-term consequences of CNS treatment for childhood cancer, Part I: Pathologic consequences and potential for oncogenesis. Cohen ME, et al. **Pediatr Neurol** 1991 May–Jun;7(3):157–63 (48 ref.)
Pain control. Doyle D. **Practitioner** 1990 Mar 22; 234(1485):283–5 (0 ref.)
Childhood cancer--advances. Stevens R. **Practitioner** 1991 Jan;235(1498):16–20 (0 ref.)
Use of granulocyte-macrophage colony stimulating factor (GM-CSF) to support intensive chemotherapy. Klingemann HG. **Prog Clin Biol Res** 1990;354B:211–8 (14 ref.)
Measuring quality of life. Osoba D. **Prog Clin Biol Res** 1990; 354B:233–40 (13 ref.)
Comments on kinetics and biology of the residual cancer, and on relevant therapeutic strategies based on these phenomena. Ragaz J. **Prog Clin Biol Res** 1990;354B:117–39 (49 ref.)
Biological therapies. Jones A, et al. **Radiother Oncol** 1991 Apr;20(4):211–23 (46 ref.)
Cure and care: interaction between cancer centers and palliative care units. MacDonald N. **Recent Results Cancer Res** 1991;121:399–407 (12 ref.)
Cytokines and hematopoietins: physiology, pathophysiology, and potential as therapeutic agents. Mertelsmann R, et al. **Recent Results Cancer Res** 1991;121:121–40 (134 ref.)
The potential for the use of colony-stimulating factors in autologous bone marrow transplantation. Peters WP. **Recent Results Cancer Res** 1991;121:182–8 (19 ref.)
Palliative care: a new reality in medicine. Ventafridda V. **Recent Results Cancer Res** 1991;121:393–8 (24 ref.)
The epidermal growth factor receptor as a target for therapy with antireceptor monoclonal antibodies. Mendelsohn J. **Semin Cancer Biol** 1990 Oct;1(5):339–44 (36 ref.)
Macrophage colony-stimulating factor: biological effects and potential applications for cancer therapy. Bajorin DF, et al. **Semin Hematol** 1991 Apr;28(2 Suppl 2):42–8 (41 ref.)
Approaches to immunotherapy of cancer: characterization of lymphokines as second signals for cytotoxic T-cell generation. Bertagnolli MM, et al. **Surgery** 1991 Sep; 110(3):459–68 (93 ref.)
[Interleukin-2 based immunotherapy of cancer] Geertsen PF, et al. **Ugeskr Laeger** 1990 Nov 19;152(47):3513–7 (30 ref.) (Eng. Abstr.) **(Dan)**
[Gonadal function after cancer treatments in childhood] Brauner R, et al. **Ann Pediatr (Paris)** 1990 Sep;37(7):437–43 (37 ref.) (Eng. Abstr.) **(Fre)**
[Observance in cancerology] Hoerni B, et al. **Bull Cancer (Paris)** 1991;78(4):317–21 (36 ref.) **(Fre)**
[Current status of immunotherapy in oncology] Zielinski C. **Acta Med Austriaca** 1991;18(1):20–4 (52 ref.) (Eng. Abstr.) **(Ger)**
[Therapy studies in medical oncology. Analysis of progress--Usefulness for the individual patient] Sauer H. **Fortschr Med** 1991 Feb 10;109(4):105–9 (0 ref.) (Eng. Abstr.) **(Ger)**
[Enteral feeding in oncology] Richter G, et al. **Infusionstherapie** 1990 Dec;17(6):291–9 (70 ref.) (Eng. Abstr.) **(Ger)**
[Immunotoxin: from the idea of "magic bullets" to clinical applications] Engert A, et al. **Med Klin** 1990 Sep 15; 85(9):555–60 (37 ref.) **(Ger)**
[Immunotherapy of malignant diseases using interleukin 2. Bases, results, trends] Gause A, et al. **Med Klin** 1990 Sep 15;85(9):561–6, 570 (47 ref.) **(Ger)**
[Interferons. Basic principles and use in clinic and general practice] Hündgen M, et al. **Med Monatsschr Pharm** 1991 Jun;14(6):164–73 (24 ref.) **(Ger)**
[Interleukin-1 and interleukin-2] Uhl D. **Med Monatsschr Pharm** 1990 Oct 10;13(10):298–302 (5 ref.) **(Ger)**
[Monoclonal antibodies and mediators--immunologic tumor therapy] Baron D. **Naturwissenschaften** 1990 Sep; 77(9):405–11 (15 ref.) (Eng. Abstr.) **(Ger)**
[Perspectives of clinical oncology for the '90's] Obrecht JP. **Onkologie** 1990 Oct;13(5):333–6 (9 ref.) **(Ger)**
[Hyperthermia in tumor therapy] Schorcht J. **Radiobiol Radiother (Berl)** 1990;31(5):383–90 (38 ref.) (Eng. Abstr.) **(Ger)**
[Increasing the thermal enhancement ratio by simultaneous application of radiation and hyperthermia--technical possibilities in interstitial application] Handl-Zeller L. **Strahlenther Onkol** 1990 Oct;166(10):643–6 (12 ref.) (Eng. Abstr.) **(Ger)**
[Multiple combination of individual combined modality cancer therapy within the concept of unified steps] von Ardenne M. **Z Arztl Fortbild (Jena)** 1991 Apr 25; 85(8):342–52 (28 ref.) **(Ger)**
[Vaccine therapy of malignant tumors] Csatáry L, et al. **Orv Hetil** 1990 Nov 25;131(47):2585–8 (38 ref.) (Eng. Abstr.) **(Hun)**
[Active specific immunotherapy of cancer using anti-idiotypic monoclonal antibodies] Castello G, et al. **Clin Ter** 1991 May 15;137(3):155–67 (55 ref.) (Eng. Abstr.) **(Ita)**
[Clinical use of alpha-interferon in onco-hematology: conclusions and prospects] Bernasconi C. **Haematologica** 1990 Jul–Aug;75 Suppl 4:82–4 (0 ref.) **(Ita)**
[Cancer therapy by using bispecific antibody] Azuma A, et al. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1535–42 (44 ref.) (Eng. Abstr.) **(Jpn)**
[Palliative therapy in cancer. 6. Quality of life and BRM therapy in cancer-patients] Urushizaki I. **Gan To Kagaku Ryoho** 1990 Oct;17(10):2119–29 (29 ref.) (Eng. Abstr.) **(Jpn)**
[The rationale and practice of CTL therapy against cancer in the mouse and human] Fujimoto S. **Hum Cell** 1989 Jun; 2(2):109–21 (15 ref.) (Eng. Abstr.) **(Jpn)**
[Use of photomodified blood in oncology] Dvaladze NA, et al. **Vestn Khir** 1990 Dec;145(12):95–9 (58 ref.) **(Rus)**
[The current status of and outlook for the use of suspensions of magnetic particles in oncology] Mavrichev AS, et al. **Vopr Onkol** 1991;37(1):11–7 (32 ref.) **(Rus)**
[Bone marrow transplantation in oncology] Tiuliandin SA. **Vopr Onkol** 1991;37(3):259–65 (31 ref.) **(Rus)**
[Interleukin-2 and adoptive immunotherapy: their biological aspects and clinical application in oncology] Barón Saura JM, et al. **Rev Clin Esp** 1991 May;188(9):468–72 (56 ref.) (Eng. Abstr.) **(Spa)**
[Immunotoxins] Gedikoğlu S. **Mikrobiyol Bul** 1990 Jan; 24(1):79–87 (21 ref.) (Eng. Abstr.) **(Tur)**

ULTRASTRUCTURE

Interphase nucleolar organizer regions in cancer cells. Derenzini M, et al. **Int Rev Exp Pathol** 1991;32:149–92 (144 ref.)
[Immunochemistry of eukaryotic ribosomes] Lopaczyński W, et al. **Postepy Hig Med Dosw** 1990;44(1–3):21–39 (99 ref.) (Eng. Abstr.) **(Pol)**

VETERINARY

Spontaneous tumors in dogs and cats: models for the study of cancer biology and treatment. MacEwen EG. **Cancer Metastasis Rev** 1990 Sep;9(2):125–36 (54 ref.)
Carcinogens and cancers in freshwater fishes. Black JJ, et al. **Environ Health Perspect** 1991 Jan;90:27–33 (65 ref.)
Spontaneous proliferations in Australian marsupials--a survey and review. 2. Dasyurids and bandicoots. Canfield PJ, et al. **J Comp Pathol** 1990 Aug;103(2):147–58 (17 ref.)
Spontaneous proliferations in Australian marsupials--a survey and review. 1. Macropods, koalas, wombats, possums and gliders. Canfield PJ, et al. **J Comp Pathol** 1990 Aug;103(2):135–46 (30 ref.)
[Characteristics of F344 rats in a stand-point of naturally occurring neoplastic and non-neoplastic lesions] Maekawa A. **Jikken Dobutsu** 1990 Oct;39(4):507–17 (41 ref.) **(Jpn)**

NEOPLASMS, DENTAL TISSUE see **ODONTOGENIC TUMORS**

NEOPLASMS, EMBRYONAL AND MIXED

Mediastinal germ cell tumors. Clinical features and biologic correlates. Nichols CR. **Chest** 1991 Feb;99(2):472–9 (43 ref.)
Mediastinal tumors. Thomas CR Jr, et al. **Curr Opin Oncol** 1991 Apr;3(2):335–43 (80 ref.)

BLOOD

Consensus statement on circulating tumour markers and staging patients with germ cell tumours. Rustin GJ, et al. **Prog Clin Biol Res** 1990;357:277–84 (21 ref.)

CHEMISTRY

[Immunohistochemistry of thyroid cancers. II. Medullary carcinomas (CMT) and "mixed" or "intermediate" tumors] De Micco C. **Ann Pathol** 1990;10(5–6):297–312 (186 ref.) **(Fre)**

COMPLICATIONS

Sarcoidosis, "Sarcoid-like lymphadenopathy," and testicular germ cell tumors. Toner GC, et al. **Am J Med** 1990 Nov; 89(5):651–6 (37 ref.)
Primary primitive neuroectodermal tumor of the spinal cord associated with neural tube defect. Freyer DR, et al. **Pediatr Neurosci** 1989;15(4):181–7 (26 ref.)
Sarcoidosis and testicular germ cell tumor. Case report. Droz JP, et al. **Scand J Urol Nephrol** 1990;24(3):171–3 (13 ref.)
Germ cell tumor of testis in a patient with von Hippel-Lindau disease. Cendron M, et al. **Urology** 1991 Jan;37(1):69–71 (12 ref.)
Association of germ cell tumors and Hodgkin's disease. Dexeus FH, et al. **Urology** 1991 Feb;37(2):129–34 (15 ref.)

CONGENITAL

Congenital tumours of the salivary gland: a case report and review. Harris MD, et al. **Histopathology** 1990 Aug; 17(2):155–7 (13 ref.)

DIAGNOSIS

Pulmonary blastoma. Aggarwal P, et al. **Indian J Chest Dis Allied Sci** 1990 Jan–Mar;32(1):59–64 (17 ref.)
[Embryonal fatty tumors. Lipoblastoma-lipoblastomatosis] Marqués Gubern A, et al. **Clr Pediatr** 1990 Jul;3(3):109–12 (16 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Chemotherapy for medulloblastoma/primitive neuroectodermal tumors of the posterior fossa. Packer RJ. **Ann Neurol** 1990 Dec;28(6):823–8 (28 ref.)
Epipodophyllotoxin-related leukemia. Identification of a new subset of secondary leukemia. Whitlock JA, et al. **Cancer** 1991 Aug 1;68(3):600–4 (45 ref.)
Oxygen-exacerbated bleomycin pulmonary toxicity [see comments] Ingrassia TS 3d, et al. **Mayo Clin Proc** 1991 Feb;66(2):173–8 (33 ref.) Comment in: Mayo Clin Proc 1991 May;66(5):548.
[Acute myocardial infarct following chemotherapy for testicular carcinoma: on the coronary toxicity of cytostatic agents] Borek G, et al. **Schweiz Med Wochenschr** 1991 Mar 16;121(11):385–9 (28 ref.) (Eng. Abstr.) **(Ger)**
[Current status of chemotherapy of germ cell tumors (published erratum appears in Urologe [A] 1991 May;30(3):162)] Dieckmann KP, et al. **Urologe [A]** 1991

Jan;30(1):45–55 (147 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

[Mixed odontogenic tumors. Studies on the significance of correlations between ameloblastic fibroma, ameloblastic fibro–odontoma and odontoma] Fabris GA, et al. **Minerva Stomatol** 1991 Mar;40(3):167–73 (12 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Atrophy, hormones, genes and viruses in aetiology germ cell tumours. Oliver RT. **Cancer Surv** 1990;9(2):263–86 (89 ref.)

GENETICS

Clinical and genetic features of human germ cell cancer. Dmitrovsky E, et al. **Cancer Surv** 1990;9(2):369–86 (87 ref.)

Cytogenetics, ploidy and differentiation of human testicular, ovarian and extragonadal germ cell tumours. Oosterhuis JW, et al. **Cancer Surv** 1990;9(2):320–32 (67 ref.)

Associated leukemia and mixed germ cell tumor in a patient with gonadal dysgenesis. Kaplan SS, et al. **Int J Gynaecol Obstet** 1991 May;35(1):83–8 (19 ref.)

PATHOLOGY

Testicular germ cell tumors. An update on clinical pathologic correlation. Abu–Jawdeh GM, et al. **Acta Pathol Jpn** 1991 Feb;41(2):83–93 (107 ref.)

Clinical and biological significance of carcinoma in situ of the testis. Jørgensen N, et al. **Cancer Surv** 1990;9(2):287–302 (56 ref.)

Clues from natural history and results of treatment supporting the monoclonal origin of germ cell tumours. Oliver RT. **Cancer Surv** 1990;9(2):333–68 (107 ref.)

Mixed mesodermal tumours of the ureter. Kini U, et al. **J Surg Oncol** 1991 Mar;46(3):208–10 (6 ref.)

Testicular germ cell tumors. Clinically relevant pathologic findings. Ro JY, et al. **Pathol Annu** 1991;26 Pt 2:59–87 (86 ref.)

Consensus statement on circulating tumour markers and staging patients with germ cell tumours. Rustin GJ, et al. **Prog Clin Biol Res** 1990;357:277–84 (21 ref.)

Germ cell tumors of the mediastinum. Dehner LP. **Semin Diagn Pathol** 1990 Nov;7(4):266–84 (73 ref.)

[Primary germinal tumors of the central nervous system] Plantaz D, et al. **Pediatrie** 1991;46(1):87–93 (28 ref.) (Eng. Abstr.) **(Fre)**

[Testicular germ cell tumor—pathogenetic aspects] Erichsen A. **Tidsskr Nor Laegeforen** 1991 Feb 20;111(5):585–6 (26 ref.) (Eng. Abstr.) **(Nor)**

PHYSIOPATHOLOGY

Comparative biology of mouse and human embryonal carcinoma. Pera MF, et al. **Cancer Surv** 1990;9(2):243–62 (76 ref.)

RADIOGRAPHY

The radiology of Askin tumours. Saifuddin A, et al. **Clin Radiol** 1991 Jan;43(1):19–23 (20 ref.)

SECONDARY

Prognostic factors in metastatic germ cell tumors. Stoter G, et al. **Prog Clin Biol Res** 1990;357:313–9 (14 ref.)

SURGERY

[A case of tracheal benign mixed tumor] Takahashi H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jun;39(6):920–3 (5 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Gestational trophoblastic tumors and malignant ovarian germ cell tumors. Berkowitz RS. **Curr Opin Oncol** 1989 Oct; 1(1):119–22 (15 ref.)

Management of patients with non–seminomatous germ cell tumours stage I. Rørth M, et al. **Prog Clin Biol Res** 1990; 357:295–303 (26 ref.)

Treatment of germ cell tumors of the ovary. Williams SD. **Semin Oncol** 1991 Jun;18(3):292–6 (13 ref.)

Evolution of the management of stage I nonseminomatous germ–cell tumors of the testis. Sogani PC. **Urol Clin North Am** 1991 Aug;18(3):561–73 (62 ref.)

NEOPLASMS, EXPERIMENTAL

see related
NEOPLASM TRANSPLANTATION
TUMOR VIRUS INFECTIONS

BLOOD SUPPLY

The nature of tumour hypoxia: implications for therapy. Chaplin DJ, et al. **Prog Clin Biol Res** 1990;354B:81–92 (17 ref.)

Leaky tumor vessels: consequences for tumor stroma generation and for solid tumor therapy. Dvorak HF. **Prog Clin Biol Res** 1990;354A:317–30 (18 ref.)

Angiogenic attack as a therapeutic strategy for cancer. Denekamp J, et al. **Radiother Oncol** 1991;20 Suppl 1:103–12 (62 ref.)

CHEMICALLY INDUCED

Experimental oral carcinogenesis. A basic rat model for the study of oral carcinogenesis using the carcinogen 4–nitroquinoline 1–oxide. Fisker AV. **Dan Med Bull** 1990 Oct;37(5):433–42 (125 ref.)

The contribution of experimental studies to risk assessment of carcinogenic agents in humans. Tomatis L, et al. **Exp Pathol** 1990;40(4):251–66 (29 ref.)

Cholesterol oxides and carcinogenesis. Morin RJ, et al. **J Clin Lab Anal** 1991;5(3):219–25 (55 ref.)

Analysis of modifying factors in chemical carcinogenesis. Cohen SM. **Prog Exp Tumor Res** 1991;33:21–40 (88 ref.)

[Biological effects of exposure to acrylamide] Dobrzyńska MM, et al. **Rocz Panstw Zakl Hig** 1990;41(5–6):209–15 (43 ref.) (Eng. Abstr.) **(Pol)**

[The role of nitrites in carcinogenesis] Rubenchik BL, et al. **Eksp Onkol** 1990;12(5):3–6 (25 ref.) (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Applications of immunohistochemistry in rodent tumor pathology. Ward JM, et al. **Exp Pathol** 1990;40(4):301–12 (84 ref.)

New concepts in monoclonal antibody based radioimmunodiagnosis and radioimmunotherapy of carcinoma. Schlom J, et al. **Int J Rad Appl Instrum [B]** 1991;18(4):425–35 (27 ref.)

DRUG THERAPY

Effects of prostacyclin analogues in in vivo tumor models. Schneider MR, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:901–8 (11 ref.)

The potential of using the natural rhythmicity of cell proliferation in improving cancer chemotherapy in rodents. Scheving LE, et al. **Ann N Y Acad Sci** 1991;618:182–227 (111 ref.)

The therapeutic index of cytotoxic chemotherapy depends upon circadian drug timing. Von Roemeling R. **Ann N Y Acad Sci** 1991;618:292–311 (80 ref.)

Immunotoxin therapy: assessment by animal models. Griffin TW, et al. **Cancer Treat Res** 1988;37:433–55 (56 ref.)

New tumor–inhibiting metal complexes. Keppler BK, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):261–77 (41 ref.)

Potential antitumor phenoxazines. Motohashi N, et al. **Med Res Rev** 1991 May;11(3):239–94 (35 ref.)

Ether lipids and derivatives as investigational anticancer drugs. A brief review. Berdel WE. **Onkologie** 1990 Aug; 13(4):245–50 (71 ref.)

Leaky tumor vessels: consequences for tumor stroma generation and for solid tumor therapy. Dvorak HF. **Prog Clin Biol Res** 1990;354A:317–30 (18 ref.)

[New antineoplastic antibiotics, new analogs, modifiers of biological reactions and oncogene inhibitors] Viadro MM, et al. **Antibiot Khimioter** 1991 Feb;36(2):44–8 (61 ref.) **(Rus)**

[New antineoplastic antibiotics. New drugs, new producers and new representatives of the known classes] Viadro MM, et al. **Antibiot Khimioter** 1990 Oct;35(10):52–6 (87 ref.) **(Rus)**

[Antioxidants in the chemotherapy of tumors] Burlakova EB, et al. **Vopr Onkol** 1990;36(10):1155–62 (25 ref.) **(Rus)**

ENZYMOLOGY

[Enzymatic imprinting and its possible significance in carcinogenesis] Khudolei VV, et al. **Vopr Onkol** 1990; 36(9):1045–52 (51 ref.) **(Rus)**

[The role of beta–glucuronidase in the tumor process and cancer prevention] Vlasov NN, et al. **Vopr Onkol** 1990; 36(9):1037–44 (67 ref.) **(Rus)**

ETIOLOGY

General mechanisms of carcinogenesis and anticarcinogenesis. Voiculetz N, et al. **Arch Roum Pathol Exp Microbiol** 1990 Apr–Jun; 49(2):105–17 (50 ref.)

The effect of diet on tumor development in animals. Mohr U, et al. **Exp Pathol Suppl** 1989;12:1–144 (820 ref.)

Dietary modulation of experimental neoplastic development: role of fat and fiber content and calorie intake. Roberfroid MB. **Mutat Res** 1991 Mar–Apr;259(3–4):351–62 (61 ref.)

Chemical, oncogene and growth factor inhibition gap junctional intercellular communication: an integrative hypothesis of carcinogenesis. Trosko JE, et al. **Pathobiology** 1990;58(5):265–78 (122 ref.)

GENETICS

Intracisternal A particles in mouse neoplasia. Kuff EL. **Cancer Cells** 1990 Dec;2(12):398–400 (24 ref.)

The fruit fly Drosophila and the fish Xiphophorus as model systems for cancer studies. Mechler B. **Cancer Surv** 1990; 9(3):505–27 (94 ref.)

The interplay between ras oncogenes and tumor suppressor genes in experimental carcinogenesis. Balmain A, et al. **Immunol Ser** 1990;51:75–88 (59 ref.)

Genetic control of carcinogenesis in experimental animals. Drinkwater NR, et al. **Prog Exp Tumor Res** 1991;33:1–20 (62 ref.)

[The genetic basis of suppression of tumors and metastases in Drosophila and man] Gateff E. **Zentralbl Chir** 1991; 116(7):423–31 (49 ref.) (Eng. Abstr.) **(Ger)**

[The role of proto–oncogenes in fundamental manifestations of life] Selts IF. **Eksp Onkol** 1990;12(6):14–26 (71 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunogenic variants induced by mutagens: a mechanism for generating autoimmune responses to tumors. Frost P. **Immunol Ser** 1990;52:53–64 (32 ref.)

Tumor–specific immunogenicity of stress–induced proteins: convergence of two evolutionary pathways of antigen presentation? Srivastava PK, et al. **Semin Immunol** 1991 Jan;3(1):57–64 (66 ref.)

[The antigenic divergence of tumor cells due to the expression of hetero–organic antigens as a manifestation of disordered differentiation in carcinogenesis] Fel' VIa. **Tsitologiia** 1990;32(5):407–21 (99 ref.) (Eng. Abstr.) **(Rus)**

METABOLISM

Endothelial cell 13–HODE synthesis and tumor cell endothelial cell adhesion. Buchanan MR, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:909–12 (21 ref.)

Characterization of tumor hypoxia by 31P MR spectroscopy. Steen RG. **AJR Am J Roentgenol** 1991 Aug;157(2):243–8 (40 ref.)

PATHOLOGY

Growth factors and oncogenes in pancreatic cancer. Lemoine NR, et al. **Baillieres Clin Gastroenterol** 1990 Dec; 4(4):815–32 (108 ref.)

The lymph nodes. Reactions to experimental and human tumors. Syrjänen KJ. **Exp Pathol Suppl** 1982;8:1–123 (594 ref.)

Regulation of growth in normal and neoplastic cell populations by a tissue sizer mechanism: therapeutic implications. Cameron IL, et al. **Prog Clin Biol Res** 1990; 354A:61–79 (43 ref.)

The exponential–Gompertzian tumor growth model: data from six tumor cell lines in vitro and in vivo. Estimate of the transition point from exponential to Gompertzian growth and potential clinical implications. Demicheli R, et al. **Tumori** 1991 Jun 30;77(3):189–95 (37 ref.)

[Cancer metastasis and platelet aggregation] Tsuruo T. **Tanpakushitsu Kakusan Koso** 1990 Nov;35(15):2818–24 (47 ref.) **(Jpn)**

PHYSIOPATHOLOGY

Role of persistent, non–genotoxic tissue damage in rodent cancer and relevance to humans. Grasso P, et al. **Annu Rev Pharmacol Toxicol** 1991;31:253–87 (165 ref.)

[The role of macrophages in tumor growth] Okulov VB, et al. **Vopr Onkol** 1990;36(10):1170–8 (69 ref.) **(Rus)**

PREVENTION & CONTROL

Effects of carotenoids in cellular and animal systems. Krinsky NI. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):238S–246S (64 ref.)

Potential use of D–glucaric acid derivatives in cancer prevention. Walaszek Z. **Cancer Lett** 1990 Oct 8; 54(1–2):1–8 (49 ref.)

Cancer chemoprevention by retinoids: animal models. Moon RC, et al. **Methods Enzymol** 1990;190:395–406 (38 ref.)

Omega 3 fatty acid diet effects on tumorigenesis in experimental animals. Cave WT Jr. **World Rev Nutr Diet** 1991;66:462–76 (34 ref.)

Dietary omega 3 fatty acids and cancer: an overview. Galli C, et al. **World Rev Nutr Diet** 1991;66:446–61 (61 ref.)

RADIONUCLIDE IMAGING

Experimental model systems for antibody targeting and radioimmunodetection. Blumenthal RD, et al. **Cancer Treat Res** 1990;51:29–52 (80 ref.)

Preclinical models and methods for the study of radiolabeled monoclonal antibodies in cancer diagnosis and therapy. Shah SA, et al. **Cancer Treat Res** 1990;51:53–96 (142 ref.)

RADIOTHERAPY

Tumor targeting agents for neutron capture therapy. Soloway AH, et al. **Basic Life Sci** 1990;54:37–47 (25 ref.)

Antibody targeted therapy in cancer: comparison of murine and clinical studies. Begent RH, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):373–8 (31 ref.)

Radiation enhancement of metastasis: a review. von Essen CF. **Clin Exp Metastasis** 1991 Mar–Apr;9(2):77–104 (165 ref.)

Should tumors be clamped in radiobiological fractionation experiments? Beck–Bornholdt HP. **Int J Radiat Oncol Biol Phys** 1991 Aug;21(3):675–82 (63 ref.)

Follow–up by 31P NMR spectroscopy of the energy metabolism of malignant tumor in rats during treatment. Allavena C, et al. **Radiother Oncol** 1991 May;21(1):48–52 (30 ref.)

THERAPY

Perilymphatic injections of cytokines: a new tool in active cancer immunotherapy. Experimental rationale and clinical findings. Forni G, et al. **Ann Ist Super Sanita** 1990;

26(3–4):397–409 (34 ref.)
New therapeutic strategies in the treatment of murine diseases induced by virus and solid tumors: biology and implications for the potential treatment of human leukemia, AIDS, and solid tumors. Shen RN, et al. **Crit Rev Oncol Hematol** 1990; 10(3):253–65 (166 ref.)
New concepts in monoclonal antibody based radioimmunodiagnosis and radioimmunotherapy of carcinoma. Schlom J, et al. **Int J Rad Appl Instrum [B]** 1991;18(4):425–35 (27 ref.)
Regulation of growth in normal and neoplastic cell populations by a tissue sizer mechanism: therapeutic implications. Cameron IL, et al. **Prog Clin Biol Res** 1990; 354A:61–79 (43 ref.)
The biological basis for interleukin–2 anticancer therapy. Silver HK, et al. **Prog Clin Biol Res** 1990;354B:37–52 (50 ref.)
Angiogenic attack as a therapeutic strategy for cancer. Denekamp J, et al. **Radiother Oncol** 1991;20 Suppl 1:103–12 (62 ref.)
The use of blood flow modifiers to improve the treatment response of solid tumors. Horsman MR, et al. **Radiother Oncol** 1991;20 Suppl 1:47–52 (33 ref.)
Antibodies in diagnosis and therapy. The magic bullet—nearing the century mark. Raso V. **Semin Cancer Biol** 1990 Jun;1(3):227–42 (59 ref.)
[The rationale and practice of CTL therapy against cancer in the mouse and human] Fujimoto S. **Hum Cell** 1989 Jun; 2(2):109–21 (15 ref.) (Eng. Abstr.) **(Jpn)**

NEOPLASMS, GLANDULAR EPITHELIAL

PATHOLOGY

Salivary–type neoplasms of the sinonasal tract. Manning JT, et al. **Ann Otol Rhinol Laryngol** 1991 Aug;100(8):691–4 (18 ref.)

SECONDARY

Liver transplant for metastatic neuroendocrine tumor. Alsina AE, et al. **J Clin Gastroenterol** 1990 Oct;12(5):533–7 (19 ref.)

SURGERY

Liver transplant for metastatic neuroendocrine tumor. Alsina AE, et al. **J Clin Gastroenterol** 1990 Oct;12(5):533–7 (19 ref.)

NEOPLASMS, HORMONE–DEPENDENT

[Cancer and steroid hormones] Matsumoto K. **Nippon Seikeigeka Gakkai Zasshi** 1990 Nov;64(11):1127–33 (14 ref.) **(Jpn)**

CHEMICALLY INDUCED

Mammary tumorigenesis. Russo J, et al. **Prog Exp Tumor Res** 1991;33:175–91 (52 ref.)
[P pills and risk of cancer] Lund E, et al. **Tidsskr Nor Laegeforen** 1991 Mar 10;111(7):832–4 (23 ref.) (Eng. Abstr.) **(Nor)**

DRUG THERAPY

Biological basis for chemohormonal therapy for prostatic cancer. Isaacs JT, et al. **Cancer Treat Res** 1989;46:177–93 (57 ref.)
Endocrine treatment for breast cancers: biological rationale and current progress. Miller WR. **J Steroid Biochem Mol Biol** 1990 Nov 30;37(4):467–80 (124 ref.)
Scientific background of hormonal treatment of prostate cancer. Klijn JG. **Prog Clin Biol Res** 1990;357:7–22 (67 ref.)

ENZYMOLOGY

Aromatase inhibitors and hormone–dependent cancers. Brodie AM, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):327–33 (58 ref.)

ETIOLOGY

Western diet and Western diseases: some hormonal and biochemical mechanisms and associations. Adlercreutz H. **Scand J Clin Lab Invest Suppl** 1990;201:3–23 (166 ref.)

GENETICS

Estrogen receptor variants in human breast cancer. Murphy LC. **Mol Cell Endocrinol** 1990 Dec 3;74(2):C83–6 (18 ref.)

PATHOLOGY

Human breast–cancer growth and progression: role of secreted polypeptide growth factors. Brünner N. **Int J Cancer Suppl** 1990;5:62–6 (43 ref.)
Steroids and steroid receptors in growth control of cultured breast cancer cells. Darbre PD. **Int J Cancer Suppl** 1990; 5:67–75 (118 ref.)

PHYSIOPATHOLOGY

A new understanding of the hormonal regulation of endocrine dependent cancer. Waxman J. **Br Med Bull** 1991 Jan;47(1):197–208 (8 ref.)
Steroid hormone regulation of cultured breast cancer cells. Darbre PD, et al. **Cancer Treat Res** 1988;40:307–41 (119 ref.)
Control of human breast cancer by estrogen, growth factors, and oncogenes. Dickson RB, et al. **Cancer Treat Res** 1988; 40:119–65 (316 ref.)

PREVENTION & CONTROL

Vitamin C and cancer prevention: the epidemiologic evidence. Block G. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):270S–282S (155 ref.)

THERAPY

Adjuvant endocrine treatment in early prostatic cancer. Schröder FH. **Acta Oncol** 1991;30(2):255–8 (16 ref.)
Development of hormone refractory tumors: adaption versus clonal selection. Schulze H, et al. **Recent Results Cancer Res** 1990;118:153–62 (49 ref.)

NEOPLASMS, MULTIPLE ENDOCRINE

see related
ZOLLINGER–ELLISON SYNDROME

Gastrinoma in multiple endocrine neoplasia type 1. Lamers CB. **Acta Oncol** 1991;30(4):489–92 (35 ref.)
Multiple endocrine neoplasia. Caruso DR, et al. **Curr Opin Oncol** 1991 Feb;3(1):103–8 (26 ref.)
Analysis of eight Sipple's syndrome patients and review of eighty–two cases from the Japanese literature. Oishi S, et al. **Jpn J Clin Oncol** 1990 Dec;20(4):392–406 (91 ref.)

DIAGNOSIS

[MEN I (multiple endocrine neoplasia): patient screening and new tumor markers] Alarcón Alacio J, et al. **An Med Interna** 1989 Dec;6(12):646–50 (25 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Clinical applications of octreotide in gastro–entero–pancreatic (GEP) tumors] Arnold R, et al. **Z Gastroenterol** 1990 Sep;28 Suppl 2:22–8 (55 ref.) **(Ger)**

ETIOLOGY

Multiple endocrine neoplasia type I: general features and new insights into etiology. Brandi ML. **J Endocrinol Invest** 1991 Jan;14(1):61–72 (81 ref.)

GENETICS

Multiple endocrine neoplasia: how many syndromes? Schimke RN. **Am J Med Genet** 1990 Nov;37(3):375–83 (140 ref.)
Multiple endocrine neoplasia. Larsson C, et al. **Cancer Surv** 1990;9(4):703–23 (74 ref.)
Multiple endocrine neoplasia. Caruso DR, et al. **Curr Opin Oncol** 1990 Feb;2(1):108–16 (27 ref.)

PATHOLOGY

A case of familial adenomatous polyposis complicated by thyroid carcinoma, carcinoma of the ampulla of vater and adrenocortical adenoma. Ono C, et al. **Jpn J Surg** 1991 Mar;21(2):234–40 (34 ref.)
[Pathology of 2A and 2B multiple endocrine neoplasia—a current assessment] Schröder S, et al. **Pathologe** 1991 May; 12(3):131–7 (64 ref.) **(Ger)**
[Sipple's syndrome: a case report] Takaha N, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1309–12 (10 ref.) (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Use of radionuclides in clinical endocrinology. Aw SE, et al. **Ann Acad Med Singapore** 1990 Jul;19(4):489–96 (56 ref.)

SURGERY

Surgical treatment of endocrine pancreatic lesions in MEN–1. Akerström G, et al. **Acta Oncol** 1991;30(4):541–5 (31 ref.)

NEOPLASMS, MULTIPLE PRIMARY

Sex cord tumor with annular tubules associated with endometriosis of the fallopian tube. Griffith LM, et al. **Am J Clin Pathol** 1991 Aug;96(2):259–62 (28 ref.)
Occurrence of high–grade T–cell lymphoma in a patient with Philadelphia chromosome–negative chronic myelogenous leukemia with breakpoint cluster region rearrangement: case report and review of the literature. Djulbegović B, et al. **Am J Hematol** 1991 Jan;36(1):63–4 (9 ref.)
Recurrent respiratory papillomatosis: progression to invasion and malignancy. Gaylis B, et al. **Am J Otolaryngol** 1991 Mar–Apr;12(2):104–12 (34 ref.)
A case of multiple cavernous hemangioma of the small intestine and clinical review of the Japanese literature. Akamatsu T, et al. **Gastroenterol Jpn** 1990 Aug;25(4):494–8 (5 ref.)
The epidermal nevus syndrome. Hodge JA, et al. **Int J Dermatol** 1991 Feb;30(2):91–8 (47 ref.)
Atypical multiple benign osteoblastomas accompanied by simple bone cysts. A case report. Asada Y, et al. **J Craniomaxillofac Surg** 1991 May;19(4):166–71 (41 ref.)
Unilateral multicentric Warthin's tumors. Zappia JJ, et al. **J Otolaryngol** 1991 Apr;20(2):93–6 (16 ref.)
Second intracranial neoplasms following treatment of childhood acute lymphoblastic leukaemia. Vowels MR, et al. **J Paediatr Child Health** 1991 Feb;27(1):43–6 (36 ref.)
Cytotoxic chemotherapy–induced second primary neoplasms: clinical aspects. Petru E, et al. **Neoplasma** 1991;38(2):147–55 (41 ref.)
Association between neuroepithelial tumor and multiple intestinal polyposis (Turcot's syndrome): report of a case and critical analysis of the literature. Mastronardi L, et al. **Neurosurgery** 1991 Mar;28(3):449–52 (40 ref.)
Clinical problems in follow–up of patients after conservative surgery and radiotherapy. Recht A, et al. **Surg Clin North Am** 1990 Oct;70(5):1179–86 (31 ref.)
Muir–Torre syndrome: a case report. Bisceglia M, et al. **Tumori** 1991 Jun 30;77(3):277–81 (38 ref.)
Bilateral ureteral inverted papillomas in association with bladder carcinoma: a case report and review of the literature. Mulkens TH, et al. **Urol Radiol** 1990;12(3):154–6 (10 ref.)
Association of germ cell tumors and Hodgkin's disease. Dexeus FH, et al. **Urology** 1991 Feb;37(2):129–34 (15 ref.)
Ureteral stump carcinoma incidentally found at cystectomy for bladder cancer. Kinzler GJ, et al. **Urology** 1991 Mar; 37(3):273–6 (21 ref.)
[Metastatic localization in the buccal cavity. Case report and literature review] Chossegros C, et al. **Rev Stomatol Chir Maxillofac** 1991;92(3):160–4 (17 ref.) (Eng. Abstr.) **(Fre)**
[Bilateral brown tumor of the jaw. Apropos of a case] Khochtali H, et al. **Rev Stomatol Chir Maxillofac** 1991; 92(2):116–9 (16 ref.) (Eng. Abstr.) **(Fre)**
[Inverted papilloma associated with transitional cell carcinoma in the upper urinary tract: report of one case and review of the literature] Annoscia S, et al. **Arch Ital Urol Nefrol Androl** 1990 Sep;62(3):333–7 (18 ref.) (Eng. Abstr.) **(Ita)**
[A case of renal cell carcinoma and bladder carcinoma associated with von Hippel–Lindau disease] Kinbara H, et al. **Hinyokika Kiyo** 1990 Jul;36(7):823–6 (15 ref.) (Eng. Abstr.) **(Jpn)**
[Primary testicular carcinoid tumor with teratoma: a case report] Nagakawa O, et al. **Hinyokika Kiyo** 1991 Jun; 37(6):641–5 (18 ref.) (Eng. Abstr.) **(Jpn)**
[A case of double cancer: renal cell carcinoma and transitional cell carcinoma of urinary bladder] Nakano S, et al. **Hinyokika Kiyo** 1990 Jul;36(7):831–5 (11 ref.) (Eng. Abstr.) **(Jpn)**
[Transitional cell carcinoma of the ureter with an inverted growth pattern which was accompanied with bladder tumor: a case report] Tamura Y, et al. **Hinyokika Kiyo** 1990 Aug;36(8):945–8 (22 ref.) (Eng. Abstr.) **(Jpn)**
[A bulky mass non–Hodgkin's lymphoma with dysuria in the rectovesical space] Tosaka A, et al. **Hinyokika Kiyo** 1990 Jun;36(6):701–5 (20 ref.) (Eng. Abstr.) **(Jpn)**
[Bilateral renal cell carcinoma in a patient receiving long–term dialysis] Yokoyama O, et al. **Hinyokika Kiyo** 1991 Jun;37(6):617–20 (17 ref.) (Eng. Abstr.) **(Jpn)**
[A case of multiple renal leiomyoma located at renal sinus and hilus] Yoshida M, et al. **Hinyokika Kiyo** 1990 Aug; 36(8):937–40 (11 ref.) (Eng. Abstr.) **(Jpn)**
[A case of metastasis of lung cancer to renal cell carcinoma] Hibi H, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Mar; 82(3):488–91 (12 ref.) (Eng. Abstr.) **(Jpn)**
[Simultaneous occurrence of renal cell and transitional cell carcinoma in the same kidney and ureter. A case report] Kimura F, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Aug;81(8):1251–4 (13 ref.) (Eng. Abstr.) **(Jpn)**
[Treatment of asynchronous bilateral renal cell carcinoma. On our experience of enucleation for two cases] Shimizu H, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Jul; 81(7):1087–90 (7 ref.) (Eng. Abstr.) **(Jpn)**
[A case of carcinosarcoma originating from the renal pelvis] Yoshida T, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Nov;81(11):1739–42 (9 ref.) (Eng. Abstr.) **(Jpn)**
[Adrenal tumors associated with renal cell carcinoma] Ebina T, et al. **Nippon Jinzo Gakkai Shi** 1990 Jul;32(7):841–7 (24 ref.) (Eng. Abstr.) **(Jpn)**
[A case of multiple inflammatory tracheo–bronchial polyps associated with chronic sinusitis] Sugihara R, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Nov; 28(11):1494–8 (20 ref.) (Eng. Abstr.) **(Jpn)**
[A case of gastric cancer (IIb) on the submucosal tumor (leiomyoma) of the stomach] Soejima H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Nov; 87(11):2526–30 (15 ref.) **(Jpn)**
[A case report of multiple lipomas of the alimentary tract and gall bladder combined with early gastric cancer] Tokoro Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Feb;88(2):175–9 (20 ref.) **(Jpn)**
[A case report of adjacent tumor of sphenoid ridge meningioma and GH producing pituitary adenoma] Uno M, et al. **No Shinkei Geka** 1991 Jun;19(6):583–7 (21 ref.) (Eng. Abstr.) **(Jpn)**
[Breast cancer and B cell malignant lymphoma associated

with Sjögren's syndrome—a case report and review of literature in Japan] Kohno A, et al. **Ryumachi** 1990 Oct; 30(5):388–93, 395; discussion 393–4 (30 ref.) (Eng. Abstr.) **(Jpn)**

[Combination of malignant tumors of the genitourinary system in the same patient: testicular seminoma, renal adenocarcinoma and adenocarcinoma of the prostate] Lioy Lupis MT, et al. **Arch Esp Urol** 1991 Jan–Feb;44(1):73–5 (12 ref.) (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Lessons on the second cancers resulting from cancer chemotherapy. Goldstein BD. **Adv Exp Med Biol** 1991; 283:619–25 (26 ref.)

CHEMISTRY

A light microscopic and immunohistochemical study of a multiple granular cell tumor and review of the literature. Baden E, et al. **J Oral Maxillofac Surg** 1990 Oct; 48(10):1093–9 (90 ref.)

COMPLICATIONS

Prolonged survival with isolated levocardia and situs inversus. Vijayakumar V, et al. **Cleve Clin J Med** 1991 May–Jun;58(3):243–7 (25 ref.)

Multiple pilomatricomas and myotonic dystrophy. Street ML, et al. **J Dermatol Surg Oncol** 1991 Sep;17(9):728–30 (13 ref.)

Diffuse infiltrating T-cell lymphoma of the colon associated with polyclonal hypergammaglobulinemia and hepatocellular carcinoma: report of a case. Nagai T, et al. **Jpn J Med** 1991 Jan–Feb;30(1):57–63 (31 ref.)

Mixed pituitary adenoma and gangliocytoma associated with acromegaly—case report. Asada H, et al. **Neurol Med Chir (Tokyo)** 1990 Aug;30(8):628–32 (23 ref.)

[A case of disseminated atypical mycobacteriosis with multiple bronchial polyps] Gotoh T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Dec; 28(12):1628–34 (20 ref.) (Eng. Abstr.) **(Jpn)**

[Double gastric neoplasia (lymphoma/adenocarcinoma) associated with alpha-1 antitrypsin deficiency. Presentation of a case and review of the literature] Hernández Batuecas I, et al. **An Med Interna** 1989 Jan;6(1):29–32 (22 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Clinical presentation, treatment, and outcome of trilateral retinoblastoma. Holladay DA, et al. **Cancer** 1991 Feb 1; 67(3):710–5 (30 ref.)

Evaluation and management of Carney's complex: an illustrative case [see comments] Wallace TM, et al. **Cleve Clin J Med** 1991 May–Jun;58(3):248–50, 255–6 (21 ref.) Comment in: Cleve Clin J Med 1991 May–Jun;58(3):214.

Intracranial lymphoblastic sarcoma mimicking a primary brain tumor. Kowal-Vern A, et al. **Pediatr Neurosci** 1989; 15(3):136–8 (8 ref.)

[Tumors of the cerebellopontine angle. Fortuitous association of meningioma and neurinoma] Thomassin JM, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(4):248–52 (15 ref.) (Eng. Abstr.) **(Fre)**

[Multiple primary neoplasms. A report of a case with dental involvement] Nardi P, et al. **Minerva Stomatol** 1990 Jul; 39(7):521–4 (6 ref.) (Eng. Abstr.) **(Ita)**

[Gastric non-Hodgkin's lymphoma and adenocarcinoma (letter)] García Girón C, et al. **An Med Interna** 1989 Dec; 6(12):656–7 (9 ref.) **(Spa)**

[Gastric adenocarcinoma following the treatment of a gastric non-Hodgkin's lymphoma] García-Girón C, et al. **Med Clin (Barc)** 1990 Nov 24;95(18):698–701 (37 ref.) (Eng. Abstr.) **(Spa)**

EPIDEMIOLOGY

Bowen's disease (squamous cell carcinoma in situ) as a skin marker for internal malignancy: a case-control study. Chuang TY, et al. **Am J Prev Med** 1990 Jul–Aug; 6(4):238–43 (21 ref.)

Cancer occurring after radiotherapy and chemotherapy. Holm LE. **Int J Radiat Oncol Biol Phys** 1990 Nov; 19(5):1303–8 (33 ref.)

Second malignant neoplasms in survivors of childhood cancer. Cullen JW. **Pediatrician** 1991;18(1):82–9 (39 ref.)

Bilateral renal hemangiopericytoma. Heppe RK, et al. **Urology** 1991 Sep;38(3):249–53 (28 ref.)

[A numerical overview of various forms of retinoblastoma] Zeller GX, et al. **Klin Monatsbl Augenheilkd** 1991 Feb; 198(2):81–2 (14 ref.) (Eng. Abstr.) **(Ger)**

[Multiple colorectal cancer] Rodolico G, et al. **Ann Ital Chir** 1990 Sep–Oct;61(5):515–9 (36 ref.) **(Ita)**

ETIOLOGY

Multiple primary carcinomas as sequelae of treatment of pulmonary tuberculosis with repeated induced pneumothoraces. Case report and review of the literature. Solan MJ. **Am J Clin Oncol** 1991 Feb;14(1):49–51 (25 ref.)

Two unusual tumours of the gastrointestinal tract in a patient with tuberous sclerosis. Byard RW, et al. **J Paediatr Child Health** 1991 Apr;27(2):116–9 (20 ref.)

Werner's syndrome combined with quintuplicate malignant tumors: a case report and review of literature data. Tsuchiya H, et al. **Jpn J Clin Oncol** 1991 Apr;21(2):135–42 (41 ref.)

Secondary neoplasms following cancer treatment with a special emphasis on lung tumors. Klastersky J, et al. **Neoplasma** 1991;38(3):253–6 (13 ref.)

Induction of secondary neoplasms by the treatment of malignant disease: lessons from Hodgkin's disease. Connors JM. **Prog Clin Biol Res** 1990;354B:219–26 (14 ref.)

Malignant renal tumors in tuberous sclerosis. Washecka R, et al. **Urology** 1991 Apr;37(4):340–3 (24 ref.)

[Simultaneous chronic lymphatic leukemia and multiple myeloma: a common clonal origin? (letter)] Barón JM, et al. **Med Clin (Barc)** 1990 Sep 29;95(10):397 (7 ref.) **(Spa)**

GENETICS

A medical and genetic critique of the familial atypical multiple mole melanoma syndrome and the dysplastic nevus syndrome. Lynch HT, et al. **Am J Dermatopathol** 1985;7 Suppl:107–16 (21 ref.)

The retinoblastoma gene: its role in human malignancies. Benedict WF, et al. **Cancer Invest** 1990;8(5):535–40 (35 ref.)

Associated leukemia and mixed germ cell tumor in a patient with gonadal dysgenesis. Kaplan SS, et al. **Int J Gynaecol Obstet** 1991 May;35(1):83–8 (19 ref.)

Nonfamilial intestinal polyposis and brain tumor in a 5-year-old girl. Castello MA, et al. **Pediatr Hematol Oncol** 1987;4(3):247–60 (28 ref.)

[Thyroid cancer and familial rectocolonic polyposis] de Mestier P. **Chirurgie** 1990;116(6–7):514–6 (14 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Metastatic adenocarcinoma in cerebral astrocytoma: clinicopathological and immunohistochemical study with review of the literature. Tajika Y, et al. **Acta Neurochir (Wien)** 1990;105(1–2):50–5 (18 ref.)

Multiple carcinomata associated with anomalous arrangement of the biliary and pancreatic duct system. A report of two cases with a literature survey. Morohoshi T, et al. **Acta Pathol Jpn** 1990 Oct;40(10):755–63 (31 ref.)

Multiple, giant fibroadenoma. Musio F, et al. **Am Surg** 1991 Jul;57(7):438–41 (24 ref.)

Pagetoid carcinomatous involvement of the penile urethra in association with high-grade transitional cell carcinoma of the urinary bladder. Bégin LR, et al. **Arch Pathol Lab Med** 1991 Jun;115(6):632–5 (13 ref.)

Malignant melanoma arising in a dermoid cyst of the ovary. Ueda Y, et al. **Cancer** 1991 Jun 15;67(12):3141–5 (20 ref.)

Leiomyosarcoma arising in atypical fibromuscular hyperplasia (phyllodes tumor) of the prostate with distant metastasis. Yum M, et al. **Cancer** 1991 Aug 15;68(4):910–5 (17 ref.)

Basal-cell carcinoma complicating a port-wine stain. Duhra P, et al. **Clin Exp Dermatol** 1991 Jan;16(1):63–5 (8 ref.)

Malignant potential of juvenile polyposis coli. Report of a case and review of the literature. Longo WE, et al. **Dis Colon Rectum** 1990 Nov;33(11):980–4 (25 ref.)

Invasive adenocarcinoma arising in extramammary Paget's disease of the vulva. Evans AT, et al. **Histopathology** 1991 Apr;18(4):355–60 (38 ref.)

Uterus-like mass of the ovary associated with endometrioid carcinoma. Rahilly MA, et al. **Histopathology** 1991 Jun; 18(6):549–51 (7 ref.)

Immunocytochemical evidence of lymphocytic derivation of neoplastic cells in malignant angioendotheliomatosis. Clark WC, et al. **J Neurosurg** 1991 May;74(5):757–62 (31 ref.)

Primary mucoepidermoid carcinoma of Stensen's duct. Haar JG, et al. **J Oral Maxillofac Surg** 1991 Jan;49(1):81–4 (26 ref.)

Simultaneous occurrence of bilateral Warthin's tumors and pleomorphic adenoma in the parotid glands. Toida M, et al. **J Oral Maxillofac Surg** 1990 Oct;48(10):1109–13 (31 ref.)

Jejunal carcinoma with adenoma—report of a case and review of the Japanese literature. Miyoshi Y, et al. **Jpn J Surg** 1990 Nov;20(6):711–4 (9 ref.)

Clinicopathological study of multiple gliomas—report of three cases. Kato T, et al. **Neurol Med Chir (Tokyo)** 1990 Aug;30(8):604–9 (21 ref.)

Extra-colonic manifestations of familial adenomatous polyposis. Jagelman DG. **Oncology (Williston Park)** 1991 Feb;5(2):23–7; discussion 31–6 (24 ref.)

Pleomorphic adenoma of cervical heterotopic salivary gland tissue: case report and review of neoplasms arising in cervical heterotopic salivary gland tissue. Rodgers GK, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):533–6 (13 ref.)

Carcinoid tumor occurring in a mature testicular teratoma. Miliauskas JR. **Pathology** 1991 Jan;23(1):72–4 (23 ref.)

Multiple pyogenic granulomata in childhood. Dillman AM, et al. **Pediatr Dermatol** 1991 Mar;8(1):28–31 (22 ref.)

Long-term consequences of CNS treatment for childhood cancer, Part I: Pathologic consequences and potential for oncogenesis. Cohen ME, et al. **Pediatr Neurol** 1991 May–Jun;7(3):157–63 (48 ref.)

Renal oncocytoma harbouring metastatic lung carcinoma. Case report. Ben-Izhak O, et al. **Scand J Urol Nephrol** 1990;24(4):317–8 (9 ref.)

Bilateral breast cancer. Donovan AJ. **Surg Clin North Am** 1990 Oct;70(5):1141–9 (14 ref.)

Cerebral granular cell tumor occurring with glioblastoma multiforme: case report. Harris CP, et al. **Surg Neurol** 1991 Sep;36(3):202–6 (17 ref.)

[Synchronous bilateral cancer of the kidney in the adult. Apropos of a case] Bouvier B, et al. **J Chir (Paris)** 1990 Dec;127(12):595–7 (10 ref.) (Eng. Abstr.) **(Fre)**

[Solitary and multiple granular cell tumors. Case reports and review of the literature] Bergner T, et al. **Hautarzt** 1991 Mar;42(3):162–7 (62 ref.) (Eng. Abstr.) **(Ger)**

[Primary extragonadal choriocarcinoma of the bladder. A case report with a compilation of the 19 cases published so far] Schmid HP, et al. **Urologe [A]** 1991 Jan;30(1):72–4 (16 ref.) (Eng. Abstr.) **(Ger)**

[Malignant tumors associated with thyroid cancer in an autopsy material] Tiszlavicz L, et al. **Orv Hetil** 1991 Mar 17;132(11):575–8 (35 ref.) (Eng. Abstr.) **(Hun)**

PREVENTION & CONTROL

Chemoprevention in head and neck cancer. Heyne KE, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):783–95 (66 ref.)

SURGERY

Resection of a granular cell tumor at the hepatic confluence. A precarious location for a benign tumor. Sanchez JA, et al. **Am Surg** 1991 Jul;57(7):446–50 (47 ref.)

Multiple spinal meningiomas: case report and review of the literature. Pagni CA, et al. **Zentralbl Neurochir** 1990; 51(4):225–8 (28 ref.)

[Duodenal paraganglioma. Case report and review of the literature] Duff CA, et al. **Chirurg** 1991 Feb;62(2):144–7 (23 ref.) **(Ger)**

[Two surgical cases of synchronous double carcinoma of the lung and esophagus and review of 10 documented cases in Japan] Morimoto M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Feb;39(2):245–50 (9 ref.) (Eng. Abstr.) **(Jpn)**

NEOPLASMS, NERVOUS TISSUE

CLASSIFICATION

Supratentorial tumours. Part II: Tumours of neuroglial cells. Sage MR. **Australas Radiol** 1991 Feb;35(1):18–30 (39 ref.)

DIAGNOSIS

[Ewing's sarcoma and peripheral neuroectodermal tumors. Report of a case with laterothoracic localization] Cuvelier A, et al. **Rev Pneumol Clin** 1990;46(3):116–22 (35 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Association between neuroepithelial tumor and multiple intestinal polyposis (Turcot's syndrome): report of a case and critical analysis of the literature. Mastronardi L, et al. **Neurosurgery** 1991 Mar;28(3):449–52 (40 ref.)

METABOLISM

Biochemical characterization of the nerve growth factor receptor in neural-related tumors. Ross AH, et al. **Curr Top Microbiol Immunol** 1991;165:27–38 (63 ref.)

NEOPLASMS, OCCULT PRIMARY see **NEOPLASMS, UNKNOWN PRIMARY**

NEOPLASMS, RADIATION-INDUCED

Fibrosarcoma of the scalp following postoperative radiotherapy for medulloblastoma. Prasad ML, et al. **Acta Neurochir (Wien)** 1991;109(3–4):145–9 (22 ref.)

Risk estimates for carcinogenic effects of radiation. Upton AC. **Ann ICRP** 1991;22(1):1–29 (58 ref.)

A report on radiation-induced gliomas. Salvati M, et al. **Cancer** 1991 Jan 15;67(2):392–7 (56 ref.)

Photoimmunology of experimental melanoma. Donawho CK, et al. **Cancer Metastasis Rev** 1991 Jun;10(2):177–88 (32 ref.)

Radiation-induced thyroid tumors. Schneider AB. **Endocrinol Metab Clin North Am** 1990 Sep;19(3):495–508 (42 ref.)

Radiation-induced meningiomas: experience at the Mount Sinai Hospital and review of the literature. Harrison MJ, et al. **J Neurosurg** 1991 Oct;75(4):564–74 (102 ref.)

Late anaplastic gliomas in children previously treated for acute lymphoblastic leukemia. Shapiro S, et al. **Pediatr Neurosci** 1989;15(4):176–80 (59 ref.)

Head and neck irradiation in childhood: increased risk of developing thyroid disease. Sako K. **Semin Surg Oncol** 1991 Mar–Apr;7(2):112–4 (11 ref.)

[Radiation-induced sarcoma, apropos of a case with cervical and intrapetrous development] Darrouzet V, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(3):247–50 (14 ref.) (Eng. Abstr.) **(Fre)**

[Glioblastoma after radiotherapy of meningioma] Lubetzki C, et al. **Rev Neurol (Paris)** 1991;147(2):151–5 (36 ref.) (Eng. Abstr.) **(Fre)**

[An autopsy case of postirradiation cutaneous angiosarcoma of the hip] Okada H, et al. **Gan No Rinsho** 1990 Nov; 36(14):2497–501 (25 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

MRI of radiation induced spinal cord glioma. Bazan C 3d,

et al. **Neuroradiology** 1990;32(4):331–3 (10 ref.)

EPIDEMIOLOGY

Low-dose radiation epidemiological studies: an assessment of methodological problems. Modan B. **Ann ICRP** 1991; 22(1):59–73 (112 ref.)

ELF: exposure levels, bioeffects, and epidemiology. Anderson LE. **Health Phys** 1991 Jul;61(1):41–6 (26 ref.)

Cancer occurring after radiotherapy and chemotherapy. Holm LE. **Int J Radiat Oncol Biol Phys** 1990 Nov; 19(5):1303–8 (33 ref.)

Cancer risks from exposure to radon progeny in mines and dwellings. Axelson O. **Recent Results Cancer Res** 1990; 120:146–65 (91 ref.)

[Ionizing radiation at low doses and cancer: epidemiological controversy] Borja-Aburto VH, et al. **Rev Invest Clin** 1990 Oct-Dec;42(4):312–6 (20 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Multiple primary carcinomas as sequelae of treatment of pulmonary tuberculosis with repeated induced pneumothoraces. Case report and review of the literature. Solan MJ. **Am J Clin Oncol** 1991 Feb;14(1):49–51 (25 ref.)

Ionising radiations from nuclear establishments and childhood leukaemias—an enigma. Evans HJ. **Bioessays** 1990 Nov;12(11):541–9 (74 ref.)

Exposure of cells to extremely low-frequency electromagnetic fields: relationship to malignancy? Goodman R, et al. **Cancer Cells** 1990 Nov;2(11):355–9 (37 ref.)

Radiation, diagnosis, and management. Upton AC. **Cancer Detect Prev** 1991;15(3):241–7 (33 ref.)

Postirradiation angiosarcoma of the terminal ileum. Su CC, et al. **Chung Hua I Hsueh Tsa Chih** 1991 Aug;48(2):147–52 (21 ref.)

Modulating factors in the expression of radiation-induced oncogenic transformation. Hall EJ, et al. **Environ Health Perspect** 1990 Aug;88:149–55 (26 ref.)

Methodology issues in risk assessment for radon. Harley NH. **Environ Health Perspect** 1991 Jan;90:177–80 (16 ref.)

Iron, radiation, and cancer. Stevens RG, et al. **Environ Health Perspect** 1990 Jul;87:291–300 (151 ref.)

A commentary on an association of malignant melanoma with nonultraviolet radiation exposure [letter] Krain LS. **Health Phys** 1991 Mar;60(3):457–8 (13 ref.)

Tanning with UVB or UVA: an appraisal of risks. Diffey BL, et al. **J Photochem Photobiol B** 1991 Jan;8(2):219–23 (17 ref.)

Aviation, high altitude, cumulative radiation exposure and their associations with cancer [published erratum appears in Med Hypotheses 1991 Mar;34(3):288] Krain LS. **Med Hypotheses** 1991 Jan;34(1):33–40 (40 ref.)

Meningioma: the role of a foreign body and irradiation in tumor formation. Saleh J, et al. **Neurosurgery** 1991 Jul; 29(1):113–8; discussion 118–9 (47 ref.)

Molecular mechanisms of ultraviolet radiation carcinogenesis. Ananthaswamy HN, et al. **Photochem Photobiol** 1990 Dec;52(6):1119–36 (206 ref.)

Solar ultraviolet radiation effects on biological systems. Diffey BL. **Phys Med Biol** 1991 Mar;36(3):299–328 (164 ref.)

Radiation associated malignant pleural mesothelioma. Lerman Y, et al. **Thorax** 1991 Jun;46(6):463–4 (10 ref.)

[Radiation risk of the patient in radon therapy] Schüttmann W. **Z Arztl Fortbild (Jena)** 1990;84(24):1244–9 (30 ref.) **(Ger)**

[Two autopsied cases of radiation-induced gliosarcoma] Kawaguchi S, et al. **No Shinkei Geka** 1991 Mar; 19(3):285–90 (18 ref.) (Eng. Abstr.) **(Jpn)**

[Carcinogenic hazards of radioactive cesium] Vasilenko IIa. **Vopr Onkol** 1991;37(4):394–400 (34 ref.) **(Rus)**

GENETICS

Oncogenic mechanisms in radiation-induced cancer. Elkind MM, et al. **Cancer Res** 1991 May 15;51(10):2740–7 (0 ref.)

IMMUNOLOGY

In vivo ultraviolet irradiation of human skin results in profound perturbation of the immune system. Relevance to ultraviolet-induced skin cancer [published erratum appears in Arch Dermatol 1991 Sep;127(9):1368] Baadsgaard O. **Arch Dermatol** 1991 Jan;127(1):99–109 (137 ref.)

MORTALITY

The relative contributions of different organ sites to the total cancer mortality associated with low-dose radiation exposure. Land CE, et al. **Ann ICRP** 1991;22(1):31–57 (24 ref.)

[Evaluation of cancer risk by ionizing radiation after dosimetry revision of Hiroshima and Nagasaki (see comments)] Breckow J. **Med Klin** 1991 Feb 15;86(2):92–8 (18 ref.) Comment in: Med Klin 1991 Feb 15;86(2):109–11. **(Ger)**

PATHOLOGY

Intra-abdominal "angiosarcomatosis" report of two cases after pelvic irradiation. Wolov RB, et al. **Cancer** 1991 May 1;67(9):2275–9 (20 ref.)

Well-differentiated angiosarcoma of the skin following radiotherapy. Report of two cases. Cancellieri A, et al. **Pathol Res Pract** 1991 Mar;187(2–3):301–6 (43 ref.)

Long-term consequences of CNS treatment for childhood cancer, Part I: Pathologic consequences and potential for oncogenesis. Cohen ME, et al. **Pediatr Neurol** 1991 May-Jun;7(3):157–63 (48 ref.)

PHYSIOPATHOLOGY

Cellular aspects of the pathogenesis of radiation—induced thymic lymphomas in C57 BL mice (review). Boniver J, et al. **In Vivo** 1990 Jan-Feb;4(1):41–3 (28 ref.)

Modulation of intercellular communication during radiation and chemical carcinogenesis. Trosko JE, et al. **Radiat Res** 1990 Sep;123(3):241–51 (142 ref.)

PREVENTION & CONTROL

Piroxicam decreases postirradiation colonic neoplasia in the rat. Northway MG, et al. **Cancer** 1990 Dec 1;66(11):2300–5 (41 ref.)

Protective role of butylated hydroxytoluene and certain carotenoids in photocarcinogenesis. Black HS, et al. **Photochem Photobiol** 1991 May;53(5):707–16 (71 ref.)

[UV spectrum of natural light and tanning equipment. How can physical damage be prevented?] Stickl HA. **Fortschr Med** 1990 Dec 20;108(36):691–3 (27 ref.) (Eng. Abstr.) **(Ger)**

NEOPLASMS, UNKNOWN PRIMARY

The role of etoposide in the treatment of poorly differentiated carcinoma of unknown primary site. Hainsworth JD, et al. **Cancer** 1991 Jan 1;67(1 Suppl):310–4 (22 ref.)

Cervical metastases from an occult primary site. Harwick RD. **Semin Surg Oncol** 1991 Jan-Feb;7(1):2–8 (13 ref.)

DIAGNOSIS

Metastatic tumors of unknown origin. Steckel RJ, et al. **Cancer** 1991 Feb 15;67(4 Suppl):1242–4 (8 ref.)

[Pericardial effusions as the initial manifestation of extracardiac tumors. A discussion of 2 cases and a review of the literature] Mammarella A, et al. **Clin Ter** 1990 Oct 15;135(1):23–30 (36 ref.) (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

The limited role of radiologic imaging in patients with unknown tumor primary. Kagan AR, et al. **Semin Oncol** 1991 Apr;18(2):170–3 (4 ref.)

THERAPY

Treatment of patients with cancer of unknown primary site. Hainsworth JD, et al. **Important Adv Oncol** 1991;:173–90 (74 ref.)

NEOPLASMS, VASCULAR TISSUE

CONGENITAL

Congenital vascular lesions. Metzker A. **Semin Dermatol** 1988 Mar;7(1):9–16 (26 ref.)

NEOPLASTIC CELLS, CULTURED see **TUMOR CELLS, CULTURED**

NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

CHEMICALLY INDUCED

Estrogen carcinogenesis in hamster tissues: a critical review. Li JJ, et al. **Endocr Rev** 1990 Nov;11(4):524–31 (89 ref.)

DIAGNOSIS

[Paraneoplastic endocrinopathies] Müller OA, et al. **Internist (Berl)** 1990 Aug;31(8):492–8 (35 ref.) **(Ger)**

PATHOLOGY

Percutaneous aspiration for hormone levels in the diagnosis of functioning endocrine tumors. Doppman JL. **Cardiovasc Intervent Radiol** 1991 Jan-Feb;14(1):73–7 (13 ref.)

SURGERY

[Duodenal paraganglioma. Case report and review of the literature] Duff CA, et al. **Chirurg** 1991 Feb;62(2):144–7 (23 ref.) **(Ger)**

[Neurosurgical therapy of hypophyseal adenomas] Besel R, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):141–5 (10 ref.) **(Ger)**

NEOPLASTIC GENE EXPRESSION REGULATION see **GENE EXPRESSION REGULATION, NEOPLASTIC**

NEOPLASTIC SYNDROMES, HEREDITARY

COMPLICATIONS

Association of sebaceous gland tumors and internal malignancy: the Muir-Torre syndrome. Cohen PR, et al. **Am J Med** 1991 May;90(5):606–13 (68 ref.)

GENETICS

Toward the isolation of the primary genetic defect in von Hippel-Lindau disease. Seizinger BR. **Ann N Y Acad Sci** 1991;615:332–7 (18 ref.)

Genetic imprinting in clinical genetics. Clarke A. **Dev Suppl** 1990;:131–9 (75 ref.)

Medulloblastoma in the nevoid basal-cell carcinoma syndrome: case reports and review of the literature. Lacombe D, et al. **Genet Couns** 1990;1(3–4):273–7 (26 ref.)

Search for the gene for multiple endocrine neoplasia type 2A. Kidd KK, et al. **Recent Prog Horm Res** 1990;46:305–41; discussion 341–3 (136 ref.)

NEOPLASTIC TRANSFORMATION, CELL see **CELL TRANSFORMATION, NEOPLASTIC**

NEOVASCULARIZATION

Sustained arterial injury and progression of atherosclerosis. Sueishi K, et al. **Ann N Y Acad Sci** 1990;598:223–31 (22 ref.)

Cancer metastasis and angiogenesis: an imbalance of positive and negative regulation. Liotta LA, et al. **Cell** 1991 Jan 25;64(2):327–36 (113 ref.)

Proteolytic balance and capillary morphogenesis. Pepper MS, et al. **Cell Differ Dev** 1990 Dec 2;32(3):319–27 (30 ref.)

Growth factor control of extracellular proteolysis. Rifkin DB, et al. **Cell Differ Dev** 1990 Dec 2;32(3):313–8 (19 ref.)

Extracellular matrix-resident basic fibroblast growth factor: implication for the control of angiogenesis. Vlodavsky I, et al. **J Cell Biochem** 1991 Feb;45(2):167–76 (43 ref.)

Extracellular modulating factors and the control of intraocular neovascularization: an overview. Glaser BM. **J Diabetic Complications** 1990 Jul-Sep;4(3):108–12 (42 ref.)

Tumor angiogenesis. Tobelem G. **Nouv Rev Fr Hematol** 1990; 32(6):405–6 (9 ref.)

Development of angiogenesis inhibitors for clinical applications. Maione TE, et al. **Trends Pharmacol Sci** 1990 Nov;11(11):457–61 (48 ref.)

[Angiogenesis and superficial venous insufficiency, the induced disease] Couffinhal JC, et al. **Phlebologie** 1990 Nov-Dec;43(4):609–13 (12 ref.) **(Fre)**

PATHOLOGY

Cell motility in angiogenesis and tumor metastasis. Zetter BR. **Cancer Invest** 1990;8(6):669–71 (20 ref.)

PHYSIOPATHOLOGY

Regulators of angiogenesis. Klagsbrun M, et al. **Annu Rev Physiol** 1991;53:217–39 (140 ref.)

Neovascularisation: has the angiogenic factor already been found? Loughnan MS. **Aust N Z J Ophthalmol** 1991 Feb; 19(1):65–9 (27 ref.)

Polypeptide growth factors and angiogenesis. Tomasi V, et al. **Biofactors** 1990 Oct;2(4):213–7 (39 ref.)

How the field of controlled-release technology began, and its central role in the development of angiogenesis research. Folkman J. **Biomaterials** 1990 Nov;11(9):615–8 (35 ref.)

Endothelial cells and angiogenic growth factors in cancer growth and metastasis. Introduction. Folkman J. **Cancer Metastasis Rev** 1990 Nov;9(3):171–4 (35 ref.)

Gangliosides, copper ions and angiogenic capacity of adult tissues. Gullino PM, et al. **Cancer Metastasis Rev** 1990 Nov; 9(3):239–51 (68 ref.)

Extracellular matrix-resident growth factors and enzymes: possible involvement in tumor metastasis and angiogenesis. Vlodavsky I, et al. **Cancer Metastasis Rev** 1990 Nov; 9(3):203–26 (113 ref.)

Control of capillary growth and differentiation by extracellular matrix. Use of a tensegrity (tensional integrity) mechanism for signal processing. Ingber DE. **Chest** 1991 Mar;99(3 Suppl):34S–40S (50 ref.)

Novel growth regulatory factors and tumour angiogenesis. Bicknell R, et al. **Eur J Cancer** 1991;27(6):781–5 (71 ref.)

Neovascular growth factors. Schultz GS, et al. **Eye** 1991;5 (Pt 2):170–80 (48 ref.)

Graft endothelialization: the role of angiogenic mechanisms. Clowes AW, et al. **J Vasc Surg** 1991 May;13(5):734–6 (12 ref.)

Angiogenesis in arteries: review. Eisenstein R. **Pharmacol Ther** 1991;49(1–2):1–19 (195 ref.)

Low molecular weight angiogenesis factors. Odedra R, et al. **Pharmacol Ther** 1991;49(1–2):111–24 (122 ref.)

Angiogenic growth factors. Risau W. **Prog Growth Factor Res** 1990;2(1):71–9 (65 ref.)

[Recent findings on the etiopathogenesis of subretinal neovascularization] Soubrane G, et al. **Ophtalmologie** 1990 Jan-Feb;4(1):8–12 (19 ref.) (Eng. Abstr.) **(Fre)**

[Synovial angiogenesis] Lioté F. **Rev Rhum Mal Osteoartic** 1991 Apr;58(3 (Pt 2)):51S–59S (55 ref.) (Eng. Abstr.) **(Fre)**

NEPHRECTOMY

[Chylous ascites after tumor nephrectomy with retroperitoneal lymphadenectomy] Eberl W, et al. **Monatsschr Kinderheilkd** 1991 Jan;139(1):47–50 (34 ref.) (Eng. Abstr.) **(Ger)**

[A case of spontaneous disappearance of pulmonary metastasis of renal cell carcinoma following nephrectomy] Koike H, et al. **Hinyokika Kiyo** 1990 Dec;36(12):1443–6 (19 ref.) (Eng. Abstr.) **(Jpn)**

[Bladder metastasis from renal cell carcinoma three years after nephrectomy] Tanikawa K, et al. **Hinyokika Kiyo** 1990 Aug;36(8):927–9 (10 ref.) (Eng. Abstr.) **(Jpn)**

[Functional adaptation of solitary kidney] Bosin VIu, et al. **Sov Med** 1990;(8):40–3 (60 ref.) **(Rus)**

ADVERSE EFFECTS

Hyperfiltration-induced renal injury in normal man: myth or reality. Steckler RE, et al. **J Urol** 1990 Dec; 144(6):1323–7 (67 ref.)

[Arteriovenous fistula of the renal pedicle following nephrectomy responsible for heart failure. Report of 2 cases] Marcaggi X, et al. **Arch Mal Coeur** 1990 Oct; 83(11):1721–4 (10 ref.) (Eng. Abstr.) **(Fre)**

NEPHRITIS

DIAGNOSIS

Acute lobar nephronia: a review. Rathore MH, et al. **Pediatrics** 1991 May;87(5):728–34 (25 ref.)

Acute renal infections. Thornbury JR. **Urol Radiol** 1991; 12(4):209–13 (7 ref.)

ETIOLOGY

The inflammatory response and tissue damage. The example of renal scars following acute renal infection. Glauser MP, et al. **Pediatr Nephrol** 1987 Oct;1(4):615–22 (48 ref.)

MICROBIOLOGY

Acute lobar nephronia: a review. Rathore MH, et al. **Pediatrics** 1991 May;87(5):728–34 (25 ref.)

PATHOLOGY

Renal lesions in leprosy [editorial] Chugh KS, et al. **J Assoc Physicians India** 1991 Feb;39(2):163–4 (39 ref.)

PREVENTION & CONTROL

Lessons learned from the Japanese nephritis screening study. Kitagawa T. **Pediatr Nephrol** 1988 Apr;2(2):256–63 (17 ref.)

NEPHRITIS, FAMILIAL see **NEPHRITIS, HEREDITARY**

NEPHRITIS, HEREDITARY

CLASSIFICATION

Variants of Alport's syndrome. Grünfeld JP, et al. **Pediatr Nephrol** 1987 Jul;1(3):419–21 (15 ref.)

COMPLICATIONS

Alport's syndrome and achalasia. Leichter HE, et al. **Pediatr Nephrol** 1988 Jul;2(3):312–4 (11 ref.)

DIAGNOSIS

Alport's syndrome. A clinical and genetic study. Flinter F. **Contrib Nephrol** 1990;80:9–16 (40 ref.)

GENETICS

Genetic features of Alport's syndrome. Schröder CH, et al. **Contrib Nephrol** 1990;80:3–8 (23 ref.)

Genetics of Alport's syndrome. Feingold J, et al. **Pediatr Nephrol** 1987 Jul;1(3):436–8 (16 ref.)

Alport syndrome, basement membranes and collagen. Kashtan CE, et al. **Pediatr Nephrol** 1990 Sep;4(5):523–32 (152 ref.)

IMMUNOLOGY

Studies on glomerular basement membrane in progressive hereditary nephritis. Savage CO, et al. **Contrib Nephrol** 1990;80:68–75 (23 ref.)

PATHOLOGY

Morphologic alterations and biochemical studies of the glomerular basement membrane in Alport syndrome. Spear GS. **Contrib Nephrol** 1990;80:41–6 (20 ref.)

Alport's syndrome: specificity and pathogenesis of glomerular basement membrane alterations. Rumpelt HJ. **Pediatr Nephrol** 1987 Jul;1(3):422–7 (33 ref.)

SURGERY

Failure of two subsequent renal grafts by anti-GBM glomerulonephritis in Alport's syndrome: case report and review of the literature. Goldman M, et al. **Transpl Int** 1990 Jul;3(2):82–5 (13 ref.)

NEPHRITIS, INTERSTITIAL

CHEMICALLY INDUCED

[Extramembranous glomerulitis and acute interstitial nephritis after ingestion of diclofenac (letter)] Garrouste O, et al. **Ann Med Interne (Paris)** 1990;141(7):627–8 (15 ref.) **(Fre)**

[Drug-induced interstitial nephropathy with nephrotic syndrome] Deray G, et al. **Presse Med** 1990 Dec 15; 19(43):1985–8 (44 ref.) (Eng. Abstr.) **(Fre)**

[Acute and reversible interstitial granulomatous nephropathy after treatment with captopril] Islam S, et al. **Rev Med Interne** 1990 May-Jun;11(3):231–3 (11 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

[Interstitial nephritis associated with uveitis] Gómez García S, et al. **An Esp Pediatr** 1990 Dec;33(6):589–91 (26 ref.) **(Spa)**

EPIDEMIOLOGY

[The Ockelbo disease, nephropathia epidemica and tularemia. A great deal is known about the infectious diseases in the north--but quite a few question-marks are left] Tärnvik A. **Lakartidningen** 1991 Jul 24;88(30–31):2515–8 (15 ref.) **(Swe)**

ETIOLOGY

Tubulointerstitial injury following glomerulonephritis. Yee J, et al. **Semin Nephrol** 1991 May;11(3):361–6 (48 ref.)

[Inflammatory kidney diseases: glomerulonephritis, interstitial and pyelonephritis] Schütterle G. **Verh Dtsch Ges Inn Med** 1990;96:77–85 (76 ref.) **(Ger)**

[Nephropathy in rheumatoid arthritis] Onetti Muda A, et al. **Pathologica** 1990 Nov-Dec;82(1082):617–26 (45 ref.) (Eng. Abstr.) **(Ita)**

[Acute interstitial nephritis] Ortuño J. **Rev Clin Esp** 1991 May;188(9):473–80 (80 ref.) **(Spa)**

IMMUNOLOGY

T cell regulation of autoimmune interstitial nephritis. Kelly CJ. **J Am Soc Nephrol** 1990 Aug;1(2):140–9 (58 ref.)

Nephritogenic tubulointerstitial antigens. Wilson CB. **Kidney Int** 1991 Mar;39(3):501–17 (293 ref.)

METABOLISM

Role of ammonia in tubulointerstitial injury. Clark EC, et al. **Miner Electrolyte Metab** 1990;16(5):315–21 (59 ref.)

PHYSIOPATHOLOGY

Role of ammonia in progressive interstitial nephritis. Clark EC, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):15–9 (51 ref.)

NEPHRITIS, LUPUS see **LUPUS NEPHRITIS**

NEPHRITIS, TUBULOINTERSTITIAL see **NEPHRITIS, INTERSTITIAL**

NEPHROBLASTOMA see **WILMS' TUMOR**

NEPHROLOGY

see related
KIDNEY DISEASES

Ethical issues in geriatric nephrology: overview. Cummings NB. **Am J Kidney Dis** 1990 Oct;16(4):367–71 (15 ref.)

Trials and tribulations of multicenter studies. Lessons learned from the experiences of the Southwest Pediatric Nephrology Study Group (SPNSG). Hogg RJ. **Pediatr Nephrol** 1991 May;5(3):348–51 (27 ref.)

NEPHRONS

CHEMISTRY

Arteriolar renin and vascular effects of angiotensin II in juxtamedullary nephrons. Casellas D, et al. **Kidney Int Suppl** 1990 Nov;30:S60–4 (21 ref.)

METABOLISM

[Target sites and mechanisms of action of hormones along the nephron] Morel F, et al. **Ann Endocrinol (Paris)** 1990; 51(3–4):112–8 (38 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Adrenergic receptors and catecholamine effects on sodium transport in the mammalian nephron. Cohen HT, et al. **Semin Nephrol** 1991 Mar;11(2):110–9 (123 ref.)

PHYSIOPATHOLOGY

The role of nephron loss in the progression of renal failure: experimental evidence. Provoost AP, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):27–32 (63 ref.)

Single-nephron studies: implications for acid-base regulation [clinical conference] Levine DZ. **Kidney Int** 1990 Oct; 38(4):744–61 (113 ref.)

ULTRASTRUCTURE

Molecular biology of adrenergic and dopamine receptors and the study of developmental nephrology. Jose PA, et al. **Pediatr Nephrol** 1990 Nov;4(6):679–85 (52 ref.)

NEPHROPATHY, BALKAN see **BALKAN NEPHROPATHY**

NEPHROPATHY, IGA see **GLOMERULONEPHRITIS, IGA**

NEPHROPATHY, MEMBRANOUS see **GLOMERULONEPHRITIS, MEMBRANOUS**

NEPHROPATHY, MINIMAL CHANGE see **NEPHROSIS, LIPOID**

NEPHROSCLEROSIS

On benign and malignant nephrosclerosis. Bohle A, et al. **Acta Med Pol** 1988;29(3–4):97–113 (23 ref.)

ETIOLOGY

Malignant nephrosclerosis in women post partum. A note on microangiopathic hemolytic anemia. Scheer RL, et al. **JAMA** 1967 Aug 21;201(8):600–4 (22 ref.)

NEPHROSIS

PHYSIOPATHOLOGY

Hyperlipidemia of nephrosis: pathophysiologic role in progressive glomerular disease. Diamond JR. **Am J Med** 1989 Nov;87(5N):25N–29N (38 ref.)

NEPHROSIS, LIPOID

DRUG THERAPY

Ciclosporin in minimal-change glomerulopathy and in focal segmental glomerular sclerosis. Ponticelli C, et al. **Am J Nephrol** 1990;10 Suppl 1:105–9 (39 ref.)

Conventional therapy for idiopathic nephrotic syndrome in children. Brodehl J. **Clin Nephrol** 1991;35 Suppl 1:S8–15 (51 ref.)

Conventional treatment of idiopathic nephrotic syndrome and membranous nephropathy in adults. Ponticelli C, et al. **Clin Nephrol** 1991;35 Suppl 1:S16–21 (49 ref.)

The treatment of minimal change nephrotic syndrome: lessons learned from multicentre co-operative studies. Brodehl J. **Eur J Pediatr** 1991 Apr;150(6):380–7 (71 ref.)

Minimal change nephrotic syndrome of childhood: current concepts in management. Yap HK, et al. **J Singapore Paediatr Soc** 1990;32(1–2):18–22 (50 ref.)

IMMUNOLOGY

Do circulating factors play a role in the pathogenesis of minimal change nephrotic syndrome? Bakker WW, et al. **Pediatr Nephrol** 1989 Jul;3(3):341–9 (88 ref.)

NEPHROSTOMY, PERCUTANEOUS

Advances in percutaneous nephrostomy. Lee WJ. **Yonsei Med J** 1990 Dec;31(4):285–300 (48 ref.)

NEPHROTIC SYNDROME

[Nephrotic syndrome in infancy: clinical, therapeutic and follow up characteristics in 100 cases] Málaga Guerrero S, et al. **An Esp Pediatr** 1991 Mar;34(3):220–4 (22 ref.) (Eng. Abstr.) **(Spa)**

[Nephrotic syndrome] Molina H, et al. **Rev Chil Pediatr** 1990; 61 Suppl 1:11–3 (0 ref.) **(Spa)**

BLOOD

Coagulation factors in nephrotic syndrome. Kanfer A. **Am J Nephrol** 1990;10 Suppl 1:63–8 (59 ref.)

CHEMICALLY INDUCED

A case of nephrotic syndrome due to alpha-mercaptopropionyl glycine in a patient with familial cystinuria. Shibasaki T, et al. **Nippon Jinzo Gakkai Shi** 1990 Aug;32(8):933–7 (9 ref.)

[A case report of rheumatoid arthritis which showed acute renal failure, nephrotic syndrome and drug-related lupus-like syndrome caused by D-penicillamine] Suda M, et al. **Nippon Jinzo Gakkai Shi** 1990 Nov;32(11):1235–41 (28 ref.) (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

The hyperlipidemia of the nephrotic syndrome. Appel GB, et al. **Am J Med** 1989 Nov;87(5N):45N–50N (61 ref.)

Rationale and management of hyperlipidemia of the nephrotic syndrome. Grundy SM, et al. **Am J Med** 1989 Nov;87(5N):3N–11N (46 ref.)

Lipid-lowering agents in proteinuric diseases. Appel GB, et al. **Am J Nephrol** 1990;10 Suppl 1:110–5 (48 ref.)

Pathogenesis of hyperlipidemia in the nephrotic syndrome. Attman PO, et al. **Am J Nephrol** 1990;10 Suppl 1:69–75 (50 ref.)

Lipid abnormalities in renal disease [clinical conference] Appel G. **Kidney Int** 1991 Jan;39(1):169–83 (165 ref.)

Hyperlipidemia of the nephrotic syndrome. Kaysen GA. **Kidney Int Suppl** 1991 Apr;31:S8–15 (65 ref.)

Intra- and extrarenal factors of oedema formation in the nephrotic syndrome. Tulassay T, et al. **Pediatr Nephrol** 1989 Jan;3(1):92–100 (79 ref.)

[Recurring arterial thrombosis in the adult during a nephrotic syndrome. Report of a case and review of the literature]

Farkas JC, et al. **Nephrologie** 1990;11(3):167–70 (55 ref.) (Eng. Abstr.) **(Fre)**

CONGENITAL

Congenital nephrotic syndrome. Rapola J. **Pediatr Nephrol** 1987 Jul;1(3):441–6 (41 ref.)

DRUG THERAPY

Ciclosporin in minimal-change glomerulopathy and in focal segmental glomerular sclerosis. Ponticelli C, et al. **Am J Nephrol** 1990;10 Suppl 1:105–9 (39 ref.)

Mechanism of action of cyclosporin A and rationale for use in nephrotic syndrome. Borel JF. **Clin Nephrol** 1991;35 Suppl 1:S23–30 (35 ref.)

The use of cyclosporin A in adult nephrotic syndrome: nine cases and literature review. Green A, et al. **Ir J Med Sci** 1990 Jun;159(6):178–81 (34 ref.)

Alkylating agents and purine analogues in primary glomerulonephritis with nephrotic syndrome. Ponticelli C, et al. **Nephrol Dial Transplant** 1991;6(6):381–8 (68 ref.)

Prostaglandin inhibitors in the treatment of nephrotic syndrome. Bergstein JM. **Pediatr Nephrol** 1991 May; 5(3):335–8 (29 ref.)

[Cyclosporin A in the therapy of nephrotic syndrome] Rawer P. **Immun Infekt** 1990 Dec;18(6):198–205 (65 ref.) (Eng. Abstr.) **(Ger)**

[Treating the nephrotic syndrome in the child] Gómez García S, et al. **An Esp Pediatr** 1990 Sep;33(3):265–70 (47 ref.) **(Spa)**

[Cyclosporin in the treatment of idiopathic nephrotic syndrome] Egido de los Ríos J. **An Med Interna** 1991 Jun; 8 Suppl 2:24–9 (45 ref.) **(Spa)**

ETHNOLOGY

Adrenal calcification and congenital nephrotic syndrome in three American Indians. Powers RJ, et al. **Pediatr Nephrol** 1990 Jan;4(1):29–31 (13 ref.)

ETIOLOGY

[The debatable aspects of the pathogenesis of nephrotic edema] Kaiukov IG, et al. **Ter Arkh** 1990;62(11):145–51 (94 ref.) **(Rus)**

[Nephrotic hyperlipidemia and its clinical significance] Neverov NI, et al. **Ter Arkh** 1990;62(6):150–3 (65 ref.) **(Rus)**

IMMUNOLOGY

Immunotactoid glomerulopathy. Korbet SM, et al. **Am J Kidney Dis** 1991 Mar;17(3):247–57 (57 ref.)

The immune system in minimal change nephrotic syndrome. Schnaper HW. **Pediatr Nephrol** 1989 Jan;3(1):101–10 (126 ref.)

METABOLISM

Metabolism of albumin and immunoglobulins in the nephrotic syndrome. Kaysen GA, et al. **Am J Nephrol** 1990;10 Suppl 1:36–42 (78 ref.)

Lipids and progressive kidney disease. Moorhead JF. **Kidney Int Suppl** 1991 Apr;31:S35–40 (44 ref.)

The effect of the nephrotic syndrome on the renal handling of protein and other nutrients. Kaysen GA, et al. **Semin Nephrol** 1990 Sep;10(5):481–90 (120 ref.)

NEPHROTIC SYNDROME, MINIMAL CHANGE see **NEPHROSIS, LIPOID**

NERVE BLOCK

Dorsal penile nerve block for newborn circumcision. Fontaine P, et al. **Am Fam Physician** 1991 Apr; 43(4):1327–33 (20 ref.)

Pain in neonatal circumcision. Schoen EJ, et al. **Clin Pediatr (Phila)** 1991 Jul;30(7):429–32 (39 ref.)

The role of neurolytic blocks in the treatment of cancer pain. Coles PG, et al. **Int Anesthesiol Clin** 1991 Winter; 29(1):93–104 (25 ref.)

[Mechanism of action and clinical use of opioids administered by the peripheral perineural route] Boogaerts J, et al. **Cah Anesthesiol** 1991;39(2):91–5 (52 ref.) (Eng. Abstr.) **(Fre)**

[Monitoring muscular relaxation] Alvarez Gómez JA, et al. **Rev Esp Anestesiol Reanim** 1991 Jan–Feb;38(1):29–37 (74 ref.) **(Spa)**

ADVERSE EFFECTS

[Peripheral neurologic complications of brachial plexus blocks] Gentili ME, et al. **Cah Anesthesiol** 1990;38(8):561–7 (48 ref.) (Eng. Abstr.) **(Fre)**

[Avoiding technical complications in peripheral nerve blocks] Wilder-Smith OH. **Klin Anasthesiol Intensivther** 1990; 38:192–201; discussion 202–10 (15 ref.) **(Ger)**

METHODS

An evaluation of the closed mouth mandibular block technique. Donkor P, et al. **Int J Oral Maxillofac Surg** 1990 Aug;19(4):216–9 (15 ref.)

[The value of peripheral blocks in pediatric anesthesia] Dalens B. **Cah Anesthesiol** 1990;38(8):547–59 (43 ref.) **(Fre)**

NERVE CELLS see **NEURONS**

NERVE COMPRESSION SYNDROMES

Ulnar tunnel syndrome. Strickland JW, et al. **Indiana Med** 1991 Apr;84(4):262–3 (3 ref.)

COMPLICATIONS

The role of thoracic outlet syndrome in the double crush syndrome. Narakas AO. **Ann Chir Main Memb Super** 1990; 9(5):331–40 (57 ref.)

The headache of challenge in our time: cervicogenic headache. Sjaastad O. **Funct Neurol** 1990 Apr–Jun; 5(2):155–8 (13 ref.)

[Bilateral radial nerve paralysis. Diagnostic and differential diagnostic aspects] Sturzenegger M, et al. **Schweiz Med Wochenschr** 1990 Sep 15;120(37):1325–34 (53 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Ulnar tunnel syndrome. Jones JG. **Am Fam Physician** 1991 Aug;44(2):497–502 (21 ref.)

The appearance of the piriformis muscle syndrome in computed tomography and magnetic resonance imaging. A case report and review of the literature. Jankiewicz JJ, et al. **Clin Orthop** 1991 Jan;(262):205–9 (24 ref.)

Diagnostics of cervicogenic headache. Pfaffenrath V, et al. **Funct Neurol** 1990 Apr–Jun;5(2):159–64 (13 ref.)

Suprascapular nerve lesions at the spinoglenoid notch: report of three cases and review of the literature. Liveson JA, et al. **J Neurol Neurosurg Psychiatry** 1991 Mar;54(3):241–3 (51 ref.)

[Diagnostic contribution of the new imaging systems in arterial and nerve disorders of the posterior fossa] Darrouzet V, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991; 112(3):239–44 (31 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Ulnar nerve compression in the cyclist's hand: two case reports and review of the literature. Maimaris C, et al. **Br J Sports Med** 1990 Dec;24(4):245–6 (8 ref.)

Entrapment neuropathy of the suprascapular nerve by a ganglion. A report of three cases. Ogino T, et al. **J Bone Joint Surg [Am]** 1991 Jan;73(1):141–7 (23 ref.)

[The etiology of ulnar nerve compression syndrome] Schaller P, et al. **Handchir Mikrochir Plast Chir** 1990 Sep; 22(5):264–8 (23 ref.) (Eng. Abstr.) **(Ger)**

[Diseases of the peripheral nervous system during pregnancy, labor and puerperium (review of the literature)] Burshinov AO, et al. **Zh Nevropatol Psikhiatr** 1991;91(4):109–13 (136 ref.) **(Rus)**

PHYSIOPATHOLOGY

Spinal nerve root compression. Nutrition and function of the porcine cauda equina compressed in vivo. Olmarker K. **Acta Orthop Scand Suppl** 1991;242:1–27 (91 ref.)

Pathophysiology of sciatica. Olmarker K, et al. **Orthop Clin North Am** 1991 Apr;22(2):223–34 (99 ref.)

SURGERY

Delayed hearing loss after neurovascular decompression. McDonnell DE, et al. **Neurosurgery** 1990 Dec; 27(6):997–1003 (33 ref.)

Surgical treatment of a rare congenital anomaly of the vertebral artery: case report and review of the literature. Vincentelli F, et al. **Neurosurgery** 1991 Mar;28(3):416–20 (42 ref.)

[Neurovascular cross-compression as a cause of severe vertigo and surgical treatment] Sakaki T. **No Shinkei Geka** 1991 Jun;19(6):501–10 (46 ref.) **(Jpn)**

NERVE CONDUCTION see **NEURAL CONDUCTION**

NERVE CROSSOVER see **NERVE TRANSFER**

NERVE DEGENERATION

Experimental models of aluminum-induced motor neuron degeneration. Garruto RM, et al. **Adv Neurol** 1991; 56:327–40 (82 ref.)

Altered glutamatergic mechanisms and selective motor neuron degeneration in amyotrophic lateral sclerosis: possible role of glycine. Plaitakis A. **Adv Neurol** 1991; 56:319–26 (46 ref.)

Neurofibrillary proliferation revisited. Shelanski ML. **Adv Neurol** 1991;56:75–9 (31 ref.)

Novel structure and genetics of prions causing neurodegeneration in humans and animals. Prusiner SB. **Biologicals** 1990 Oct;18(4):247–62 (181 ref.)

Long-latency neurodegenerative disease in the western Pacific. Spencer PS, et al. **Geriatrics** 1991 Aug;46 Suppl 1:37–42 (63 ref.)

Misincorporation of uracil into DNA as possible contributor to neuronal aging and abiotrophy. Mazzarello P, et al. **Int J Neurosci** 1990 Feb;50(3–4):169–74 (39 ref.)

Slow toxins, biologic markers, and long-latency neurodegenerative disease in the western Pacific region. Spencer PS, et al. **Neurology** 1991 May;41(5 Suppl 2):62–6; discussion 66–8 (63 ref.)

DRUG EFFECTS

Mechanisms of excitatory amino acid neurotoxicity in rat brain slices. Garthwaite J, et al. **Adv Exp Med Biol** 1990; 268:505–18 (65 ref.)

Cell population depletion associated with fetal alcohol brain damage: mechanisms of BAC-dependent cell loss. West JR, et al. **Alcohol Clin Exp Res** 1990 Dec;14(6):813–8 (44 ref.)

[Endogenous factors of neurodestruction (the pharmacologic aspects)] Kozlovskiĭ VL. **Farmakol Toksikol** 1990 Sep–Oct; 53(5):7–13 (119 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Progressive neuronal degeneration of childhood with liver disease (Alpers-Huttenlocher syndrome): a personal review. Harding BN. **J Child Neurol** 1990 Oct;5(4):273–87 (38 ref.)

PHYSIOLOGY

Role of catechol autooxidation in the degeneration of dopamine neurons. Fornstedt B. **Acta Neurol Scand Suppl** 1990;129:12–4 (5 ref.)

The glycine site on the NMDA receptor: pharmacology and involvement in NMDA receptor-mediated neurodegeneration. Foster AC, et al. **Adv Exp Med Biol** 1990;268:93–100 (36 ref.)

Excitatory amino acids, growth factors, and calcium: a teeter-totter model for neural plasticity and degeneration. Mattson MP. **Adv Exp Med Biol** 1990;268:211–20 (35 ref.)

Neuropathology of the substantia nigra. Gibb WR. **Eur Neurol** 1991;31 Suppl 1:48–59 (91 ref.)

[Endogenous factors of neurodestruction (the pharmacologic aspects)] Kozlovskiĭ VL. **Farmakol Toksikol** 1990 Sep–Oct; 53(5):7–13 (119 ref.) (Eng. Abstr.) **(Rus)**

NERVE ENDINGS

see related
NEURAL TRANSMISSION
TASTE BUDS

METABOLISM

Immunohistochemistry of the Merkel cell. Mérot Y. **Semin Dermatol** 1988 Dec;7(4):269–77 (66 ref.)

PHYSIOLOGY

Heteroreceptors, autoreceptors, and other terminal sites. Kalsner S. **Ann N Y Acad Sci** 1990;604:1–6 (37 ref.)

The role of activity in the development of phasic and tonic synaptic terminals. Lnenicka GA. **Ann N Y Acad Sci** 1991; 627:197–211 (68 ref.)

Second messengers are involved in facilitatory but not inhibitory receptor actions at sympathetic nerve endings. Majewski H, et al. **Ann N Y Acad Sci** 1990;604:266–75 (38 ref.)

In vivo electrophysiology of central nervous system terminal autoreceptors. Tepper JM, et al. **Ann N Y Acad Sci** 1990; 604:470–87 (67 ref.)

Cellular and molecular biology of the presynaptic nerve terminal. Trimble WS, et al. **Annu Rev Neurosci** 1991; 14:93–122 (161 ref.)

Functional morphology of the nerve terminal at the frog neuromuscular junction: recent insights using immunocytochemistry. Torri Tarelli F, et al. **Prog Brain Res** 1990;84:83–92 (46 ref.)

Activity-dependent modulation of nerve terminal excitation in a mammalian peptidergic system. Bourque CW. **Trends Neurosci** 1991 Jan;14(1):28–30 (21 ref.)

SECRETION

On the contribution of mathematical models to the understanding of neurotransmitter release. Parnas H, et al. **Int Rev Neurobiol** 1990;32:1–50 (166 ref.)

ULTRASTRUCTURE

Immunoaffinity purification of cholinergic nerve terminals. Richardson PJ, et al. **Biochem Soc Trans** 1991 Feb; 19(1):83–7 (21 ref.)

In-vivo quantitative imaging of catecholaminergic nerve terminals in brain and peripheral organs using positron emission tomography (PET). Kopin IJ. **J Neural Transm Suppl** 1990;32:19–27 (38 ref.)

Cutaneous sensory nerves. Winkelmann RK. **Semin Dermatol** 1988 Dec;7(4):236–68 (148 ref.)

NERVE ENDINGS, SENSORY see **RECEPTORS, SENSORY**

NERVE FIBERS

PHYSIOLOGY

Conduction velocity along muscle fibers in situ in healthy infants. Cruz Martínez A, et al. **Electromyogr Clin Neurophysiol** 1990 Nov;30(7):443–8 (19 ref.)

Brief seizure episodes induce long-term potentiation and mossy fibre sprouting in the hippocampus. Ben-Ari Y, et al. **Trends Neurosci** 1990 Aug;13(8):312–8 (81 ref.)

NERVE FIBERS, MYELINATED

METABOLISM

Metabolic organization of the myelinating Schwann cell. Gould RM. **Ann N Y Acad Sci** 1990;605:44–54 (32 ref.)

PHYSIOLOGY

Problems concerning the measurements of electrical events in myelinated nerve fibers. Zaciu C, et al. **Rev Roum Physiol** 1990 Apr–Jun;27(2):99–108 (28 ref.)

NERVE GROWTH FACTORS

ADMINISTRATION & DOSAGE

Rationale for the planned clinical trials with nerve growth factor in Alzheimer's disease. Hefti F, et al. **Psychiatr Dev** 1989 Winter;7(4):297–315 (118 ref.)

BIOSYNTHESIS

Nerve growth factor synthesis and its regulatory mechanisms: an approach to therapeutic induction of nerve growth factor synthesis. Furukawa S, et al. **Cerebrovasc Brain Metab Rev** 1990 Winter;2(4):328–44 (92 ref.)

CHEMISTRY

Structure and biosynthesis of nerve growth factor. Fahnestock M. **Curr Top Microbiol Immunol** 1991;165:1–26 (129 ref.)

Neurotrophins: structural relatedness and receptor interactions. Rodriguez-Tébar A, et al. **Philos Trans R Soc Lond [Biol]** 1991 Mar 29; 331(1261):255–8 (34 ref.)

METABOLISM

Keeping track of neurotrophin receptors. Bothwell M. **Cell** 1991 Jun 14;65(6):915–8 (28 ref.)

Tissue localization of nerve growth factor and nerve growth factor receptors. Bothwell M. **Curr Top Microbiol Immunol** 1991;165:55–70 (91 ref.)

The membrane receptor for nerve growth factor. Chao MV. **Curr Top Microbiol Immunol** 1991;165:39–53 (73 ref.)

Biochemical characterization of the nerve growth factor receptor in neural-related tumors. Ross AH, et al. **Curr Top Microbiol Immunol** 1991;165:27–38 (63 ref.)

PHARMACOLOGY

The mechanism of action of nerve growth factor. Levi A, et al. **Annu Rev Pharmacol Toxicol** 1991;31:205–28 (141 ref.)

Dissecting the mode of action of a neuronal growth factor. Halegoua S, et al. **Curr Top Microbiol Immunol** 1991; 165:119–70 (221 ref.)

Growth factor-mediated protection in aging CNS. Werrbach-Perez K, et al. **Prog Brain Res** 1990;86:183–94 (76 ref.)

Primitive neuroectodermal tumors (PNETs) of the CNS and PNS that express functional nerve growth factor receptors (NGFR) but fail to differentiate in response to NGF. Reddy UR, et al. **Prog Clin Biol Res** 1991;366:243–8 (31 ref.)

PHYSIOLOGY

Neurotrophic factors and Parkinson's disease. Hefti F, et al. **Adv Neurol** 1990;53:123–7 (30 ref.)

Regulation of neural cell survival and differentiation by peptide growth factors. Wagner JA, et al. **Curr Opin Cell Biol** 1990 Dec;2(6):1050–7 (28 ref.)

Nerve growth factor function in the central nervous system. Gage FH, et al. **Curr Top Microbiol Immunol** 1991; 165:71–93 (159 ref.)

Nerve growth factor and neuronal cell death. Perez-Polo JR, et al. **Mol Neurobiol** 1990 Spring–Summer;4(1–2):57–91 (240 ref.)

Enhancement of peripheral nerve regeneration. Seckel BR. **Muscle Nerve** 1990 Sep;13(9):785–800 (152 ref.)

Injury and repair of central cholinergic neurons. Cuello AC, et al. **Prog Brain Res** 1990;84:301–11 (84 ref.)

Trophic regulation of basal forebrain gene expression in aging and Alzheimer's disease. Higgins GA, et al. **Prog Brain Res** 1990;86:239–55 (87 ref.)

NGF in CNS: experimental data and clinical implications. Ebendal T. **Prog Growth Factor Res** 1989;1(3):143–59 (92 ref.)

Nerve growth factor and the neostriatum. Altar CA. **Prog Neuropsychopharmacol Biol Psychiatry** 1991; 15(2):157–69 (72 ref.)

[Neurotrophic factor and the processes of reparative regeneration] Pavlov VA, et al. **Vestn Akad Med Nauk SSSR** 1990;(8):60–3 (48 ref.) **(Rus)**

NERVE NET

An overview of neural networks. Greenwood D. **Behav Sci** 1991 Jan;36(1):1–33 (140 ref.)

ABNORMALITIES

[Dislocated neurons and neural network: hodological study of the motor cortex of the reeler mutant mouse] Terashima T, et al. **Hokkaido Igaku Zasshi** 1991 May;66(3):268–85 (39 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Neural networks and synaptic transmission in immature hippocampus. Swann JW, et al. **Adv Exp Med Biol** 1990; 268:161–71 (36 ref.)

Age-dependent alterations in the operations of hippocampal neural networks. Swann JW, et al. **Ann N Y Acad Sci** 1991; 627:264–76 (47 ref.)

Large-scale neurocognitive networks and distributed processing for attention, language, and memory. Mesulam MM. **Ann Neurol** 1990 Nov;28(5):597–613 (127 ref.)

Role of the hippocampus in temporal and spatial navigation: an adaptive neural network. Schmajuk NA. **Behav Brain Res** 1990 Aug 20;39(3):205–29 (92 ref.)

Simulation study on dynamics transition in neuronal activity during sleep cycle by using asynchronous and symmetry neural network model. Nakao M, et al. **Biol Cybern** 1990; 63(4):243–50 (38 ref.)

Neural mechanisms underlying brain waves: from neural membranes to networks. Lopes da Silva F. **Electroencephalogr Clin Neurophysiol** 1991 Aug;79(2):81–93 (101 ref.)

The neural network underlying locomotion in lamprey—synaptic and cellular mechanisms. Grillner S, et al. **Neuron** 1991 Jul;7(1):1–15 (120 ref.)

Neuroscience, modularity and personality theory: conceptual foundations of a model of complex human functioning. Grigsby J, et al. **Psychiatry** 1991 Feb;54(1):21–38 (90 ref.)

Reality testing, the self and the brain as modular distributed systems. Grigsby J, et al. **Psychiatry** 1991 Feb;54(1):39–54 (70 ref.)

[Cortical neuronal modules and their "self-assembly"] Batuev AS, et al. **Zh Vyssh Nerv Deiat** 1991 Mar–Apr;41(2):221–30 (20 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Lesioning an attractor network: investigations of acquired dyslexia. Hinton GE, et al. **Psychol Rev** 1991 Jan; 98(1):74–95 (85 ref.)

NERVE REGENERATION

The cellular and molecular events of central nervous system remyelination. Dubois-Dalcq M, et al. **Bioessays** 1990 Dec; 12(12):569–76 (52 ref.)

Synaptic connections made by axons regenerating in the central nervous system of adult mammals. Aguayo AJ, et al. **J Exp Biol** 1990 Oct;153:199–224 (110 ref.)

Development of the rodent cerebellum and synaptic re-formation of donor climbing terminals on spines of the host Purkinje dendrites after chemical deafferentation. Kawamura K, et al. **J Exp Biol** 1990 Oct;153:289–303 (34 ref.)

Synapse formation in the adult brain after lesions and after transplantation of embryonic tissue. Raisman G, et al. **J Exp Biol** 1990 Oct;153:277–87 (23 ref.)

Facial nerve trauma: optimal timing for repair. Barrs DM. **Laryngoscope** 1991 Aug;101(8):835–48 (100 ref.)

Increased expression of the major embryonic alpha-tubulin mRNA, T alpha 1, during neuronal regeneration, sprouting, and in Alzheimer's disease. Miller FD, et al. **Prog Brain Res** 1990;86:321–30 (35 ref.)

[Transplantation of the sympathetic ganglion into the brain—induction of axonal outgrowth from the graft] Ooiwa Y, et al. **No To Shinkei** 1991 Feb;43(2):129–37 (63 ref.) **(Jpn)**

GENETICS

Repair of central nervous system lesions by glial cells immortalised with an oncogene-carrying retrovirus. Trotter J, et al. **Schweiz Arch Neurol Psychiatr** 1991; 142(2):102–4 (8 ref.)

PHYSIOLOGY

Differential effects of various electrical parameters on peripheral and central nerve regeneration. Zanakis MF. **Acupunct Electrother Res** 1990;15(3–4):185–91 (21 ref.)

Magnetic stimulation of the human cerebral cortex, an indicator of reorganization in motor pathways in certain pathological conditions. Cohen LG, et al. **J Clin Neurophysiol** 1991 Jan;8(1):56–65 (60 ref.)

Enhancement of peripheral nerve regeneration. Seckel BR. **Muscle Nerve** 1990 Sep;13(9):785–800 (152 ref.)

Target recognition and dynamics of axonal growth in the retinotectal system of fish. Stuermer CA. **Neurosci Res Suppl** 1990;13:S1–10 (37 ref.)

Factors influencing the regeneration of axons in the central nervous system. Fawcett JW. **Paraplegia** 1991 Jun; 29(5):287–93 (50 ref.)

Excitatory amino acids in the developing brain: ontogeny, plasticity, and excitotoxicity. Hattori H, et al. **Pediatr Neurol** 1990 Jul–Aug;6(4):219–28 (100 ref.)

Nerve fibre regeneration after traumatic lesions of the CNS; progress and problems. Schwab ME. **Philos Trans R Soc Lond [Biol]** 1991 Mar 29; 331(1261):303–6 (33 ref.)

Molecular approaches to nerve regeneration. Welcher AA, et al. **Philos Trans R Soc Lond [Biol]** 1991 Mar 29; 331(1261):295–301 (38 ref.)

Functional effects of neural grafting in the mammalian central nervous system. Kimble DP. **Psychol Bull** 1990 Nov; 108(3):462–79 (180 ref.)

Long-term survival of anucleate axons and its implications for nerve regeneration. Bittner GD. **Trends Neurosci** 1991 May;14(5):188–93 (66 ref.)

[Electrophysiologic diagnosis of peripheral nerve lesions] Görig E, et al. **Neurochirurgia (Stuttg)** 1991 Jan;34(1):18–31 (57 ref.) (Eng. Abstr.) **(Ger)**

[Regeneration processes in peripheral nerves following nerve transsection] Dietzmann K. **Zentralbl Allg Pathol** 1990; 136(6):525–36 (78 ref.) (Eng. Abstr.) **(Ger)**

[Reinnervation of the stomach after vagotomy as a factor in ulcer recurrence] Filipovich NE, et al. **Khirurgiia (Mosk)** 1990 Dec;(12):146–51 (88 ref.) **(Rus)**

[Neurotrophic factor and the processes of reparative regeneration] Pavlov VA, et al. **Vestn Akad Med Nauk SSSR** 1990;(8):60–3 (48 ref.) **(Rus)**

NERVE TISSUE

Gliomatosis peritonei with malignant transformation: a case report and review of the literature. Shefren G, et al. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 1):1617–20; discussion 1620–1 (10 ref.)

DRUG EFFECTS

[The neurochemical bases of neuropsychotropic drugs] Stroescu V. **Rev Med Interna Neurol Psihiatr Neurochir Dermatovenerol Neurol Psihiatr Neurochir** 1990 Jan–Mar;35(1):17–27 (70 ref.) **(Rum)**

EMBRYOLOGY

Neural induction. Saxén L. **Int J Dev Biol** 1989 Mar; 33(1):21–48 (210 ref.)

METABOLISM

Recent progress in the use of the technique of non-radioactive in situ hybridization histochemistry: new tools for molecular neurobiology. Kiyama H, et al. **Neurosci Res** 1990 Sep;9(1):1–21 (60 ref.)

PHYSIOLOGY

Multiple peptides in cutaneous nerves: regulators under physiological conditions and a pathogenetic role in skin disease? Weihe E, et al. **Semin Dermatol** 1988 Dec; 7(4):284–300 (79 ref.)

TRANSPLANTATION

Neural transplantation: an historical perspective. Das GD. **Neurosci Biobehav Rev** 1990 Winter;14(4):389–401 (126 ref.)

Is it possible to repair the damaged prefrontal cortex by neural tissue transplantation? Dunnett SB. **Prog Brain Res** 1990;85:285–96; discussion 296–7 (80 ref.)

NERVE TISSUE PROTEIN S 100

ANALYSIS

Fine needle aspiration cytology and immunocytochemical characterization of the histiocytes in sinus histiocytosis with massive lymphadenopathy (Rosai-Dorfman syndrome). Pettinato G, et al. **Acta Cytol** 1990 Nov–Dec;34(6):771–7 (37 ref.)

GENETICS

S100 protein and Down syndrome. Marks A, et al. **Bioessays** 1990 Aug;12(8):381–3 (45 ref.)

PHYSIOLOGY

S100 beta as a neurotrophic factor. Marshak DR. **Prog Brain Res** 1990;86:169–81 (100 ref.)

NERVE TISSUE PROTEINS

ANALYSIS

Membrane antigens of endocrine, large dense-core and small synaptic vesicles. Winkler H, et al. **Biochem Soc Trans** 1991 Feb;19(1):79–83 (44 ref.)

Expression of Thy-1 in the nervous system of the rat and mouse. Morris R, et al. **Immunol Ser** 1989;45:121–48 (93 ref.)

CEREBROSPINAL FLUID

Cerebrospinal fluid markers in neurological disorders. Massaro AR, et al. **Ital J Neurol Sci** 1990 Dec;11(6):537–47 (83 ref.)

GENETICS

Localization and regulation of mRNAs in the nervous tissue as revealed by in situ hybridization. Kawata M, et al. **Comp Biochem Physiol [C]** 1991;98(1):41–50 (117 ref.)

Induction of heat shock (stress) genes in the mammalian brain by hyperthermia and other traumatic events: a current perspective. Brown IR. **J Neurosci Res** 1990 Nov; 27(3):247–55 (110 ref.)

[Genetic aspects of some functional proteins in the central nervous system] Takahashi Y.
Nippon Yakurigaku Zasshi 1991 Mar;97(3):135–44 (76 ref.) (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

[Biochemistry of natriuretic peptides—brain natriuretic peptide and its related peptides] Minamino N.
Seikagaku 1991 Feb;63(2):94–119 (68 ref.) **(Jpn)**

METABOLISM

Trophic factors for cultured lower motor neurons. Askanas V, et al. **Adv Neurol** 1991;56:37–56 (71 ref.)

Amino acid neurotransmitter reuptake: mechanistics, biochemistry and molecular cloning. Kanner BI.
Biochem Soc Trans 1991 Feb;19(1):92–5 (27 ref.)

Ionic channels and proteins in synaptic vesicles: facts and speculations. Rahamimoff R, et al.
J Basic Clin Physiol Pharmacol 1990 Jan–Dec;1(1–4):7–17 (61 ref.)

B-50 (GAP-43): biochemistry and functional neurochemistry of a neuron-specific phosphoprotein. Coggins PJ, et al. **J Neurochem** 1991 Apr;56(4):1095–106 (117 ref.)

The aging brain: protein phosphorylation as a target of changes in neuronal function. Magnoni MS, et al.
Life Sci 1991;48(5):373–85 (88 ref.)

The potential use of a dopamine neuron antibody and a striatal-derived neurotrophic factor as diagnostic markers in Parkinson's disease. Carvey PM, et al. **Neurology** 1991 May;41(5 Suppl 2):53–8; discussion 59–60 (48 ref.)

Regulation of neurotransmitter receptor desensitization by protein phosphorylation. Huganir RL, et al. **Neuron** 1990 Nov;5(5):555–67 (93 ref.)

[Neurotrophic factors in the CNS] Takei N, et al.
No To Shinkei 1991 Jan;43(1):5–13 (45 ref.) **(Jpn)**

PHARMACOLOGY

The mechanism of agrin-induced acetylcholine receptor aggregation. Wallace BG.
Philos Trans R Soc Lond [Biol] 1991 Mar 29; 331(1261):273–80 (51 ref.)

PHYSIOLOGY

The role of protein kinase C substrate B-50 (GAP-43) in neurotransmitter release and long-term potentiation. De Graan PN, et al. **Adv Exp Med Biol** 1990;268:347–58 (93 ref.)

The role of ependymin in neuronal plasticity and LTP. Shashoua VE. **Adv Exp Med Biol** 1990;268:333–45 (59 ref.)

Neurotrophic factors and Parkinson's disease. Hefti F, et al. **Adv Neurol** 1990;53:123–7 (30 ref.)

The relationship of GAP-43 to the development and plasticity of synaptic connections. Benowitz LI, et al.
Ann N Y Acad Sci 1991;627:58–74 (87 ref.)

Ependymin, a brain extracellular glycoprotein, and CNS plasticity. Shashoua VE. **Ann N Y Acad Sci** 1991; 627:94–114 (76 ref.)

The synapsins. De Camilli P, et al. **Annu Rev Cell Biol** 1990; 6:433–60 (96 ref.)

Extracellular matrix molecules and their receptors: functions in neural development. Reichardt LF, et al.
Annu Rev Neurosci 1991;14:531–70 (260 ref.)

Novel neuronal neurotransmitter-specific cell-surface molecules. Docherty M. **Biochem Soc Trans** 1991 Feb; 19(1):87–91 (19 ref.)

Regulation of free calmodulin levels in neurons by neuromodulin: relationship to neuronal growth and regeneration. Estep RP, et al. **Curr Top Cell Regul** 1990; 31:161–80 (40 ref.)

Proteins of synaptic vesicles involved in exocytosis and membrane recycling. Südhof TC, et al. **Neuron** 1991 May; 6(5):665–77 (103 ref.)

GAP-43 as a 'calmodulin sponge' and some implications for calcium signalling in axon terminals. Skene JH.
Neurosci Res Suppl 1990;13:S112–25 (50 ref.)

GAP-43 as a marker for structural plasticity in the mature CNS. Benowitz LI, et al. **Prog Brain Res** 1990;86:309–20 (78 ref.)

[Mechanism of the role of endogenous opioid-like substances] Wang CJ. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct; 21(4):333–6 (40 ref.) **(Chi)**

[Neurotrophic factor and the processes of reparative regeneration] Pavlov VA, et al.
Vestn Akad Med Nauk SSSR 1990;(8):60–3 (48 ref.) **(Rus)**

NERVE TRANSFER

see related

NERVE REGENERATION

A functional evaluation of ansa cervicalis nerve transfer for unilateral vocal cord paralysis: future directions for laryngeal reinnervation. Green DC, et al.
Otolaryngol Head Neck Surg 1991 Apr;104(4):453–66 (53 ref.)

METHODS

[Nerve graft of collateral branches of fingers. Report of a series of 16 reviewed cases] Dumontier C, et al.
Rev Chir Orthop 1990;76(5):311–6 (18 ref.) (Eng. Abstr.) **(Fre)**

NERVE TRANSMISSION see NEURAL TRANSMISSION

NERVE TRANSMITTER SUBSTANCES see NEUROREGULATORS

NERVOUS MICE see MICE, NEUROLOGIC MUTANTS

NERVOUS SYSTEM

Advances in clinical electromyography. Shin DY.
Adv Clin Rehabil 1990;3:10–60 (157 ref.)

ANATOMY & HISTOLOGY

Neural network simulations of the nervous system. van Leeuwen JL. **Eur J Morphol** 1990;28(2–4):139–47 (28 ref.)

Regional variations in the gross structure of the enteric nervous system: some new views. Christensen J.
Trans Am Clin Climatol Assoc 1989;101:21–36; discussion 36–7 (17 ref.)

[Modern concepts of the structural evolution of the nervous system exemplified by the vertebrate visual system] Repérant J, et al. **Zh Evol Biokhim Fiziol** 1990 Jul–Aug; 26(4):514–36 (87 ref.) **(Rus)**

CHEMISTRY

Localization and regulation of mRNAs in the nervous tissue as revealed by in situ hybridization. Kawata M, et al.
Comp Biochem Physiol [C] 1991;98(1):41–50 (117 ref.)

CYTOLOGY

Macrophages and the nervous system. Perry VH, et al.
Int Rev Cytol 1991;125:203–44 (183 ref.)

Ubiquitin, cell stress and diseases of the nervous system. Lowe J, et al. **Neuropathol Appl Neurobiol** 1990 Aug; 16(4):281–91 (44 ref.)

Fibronectin. Arseni C, et al. **Rom J Neurol Psychiatry** 1990 Jan–Mar;28(1):3–13 (45 ref.)

DRUG EFFECTS

Therapeutic effects of neuroactive drugs on hypothalamo–pituitary in man. Trainer PJ, et al.
Adv Exp Med Biol 1990;274:165–76 (52 ref.)

Neuroendocrine effects of psychotropic drugs. Checkley S. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):15–33 (131 ref.)

Mechanisms of lead neurotoxicity. Bressler JP, et al.
Biochem Pharmacol 1991 Feb 15;41(4):479–84 (64 ref.)

Cellular mechanisms in general anaesthesia. Pocock G, et al. **Br J Anaesth** 1991 Jan;66(1):116–28 (115 ref.)

Neurobehavioral effects of toxicity due to metals, solvents, and insecticides. White RF, et al. **Clin Neuropharmacol** 1990 Oct;13(5):392–412 (94 ref.)

Structural and functional effects of heavy metals on the nervous system, including sense organs, of fish. Baatrup E. **Comp Biochem Physiol [C]** 1991;100(1–2):253–7 (60 ref.)

Evaluating the effects of chemical exposures on adaptive functioning. Kulig BM. **Comp Biochem Physiol [C]** 1991; 100(1–2):263–8 (24 ref.)

An experimental study on silver in the nervous system and on aspects of its general cellular toxicity. Rungby J.
Dan Med Bull 1990 Oct;37(5):442–9 (101 ref.)

Neuropharmacology of pineal secretions. Lewis AJ, et al.
Drug Metabol Drug Interact 1990;8(3–4):247–312 (353 ref.)

Use of computerized test batteries for quantifying neurobehavioral outcomes. Letz R.
Environ Health Perspect 1991 Jan;90:195–8 (25 ref.)

The neurotoxicology and pathology of organomercury, organolead, and organotin. Chang LW. **J Toxicol Sci** 1990 Dec;15 Suppl 4:125–51 (110 ref.)

Dopamine in organophosphate-induced neurotoxicity. Ho IK, et al. **J Toxicol Sci** 1990 Dec;15 Suppl 4:159–61 (5 ref.)

Behavioral toxicology and risk assessment. Annau Z.
Neurotoxicol Teratol 1990 Sep–Oct;12(5):547–51 (32 ref.)

Cocaine effects on fetal development: a comparison of clinical and animal research findings. Dow-Edwards DL.
Neurotoxicol Teratol 1991 May–Jun;13(3):347–52 (42 ref.)

Use of monkey neonatal neurobehavioral test batteries in safety testing protocols. Golub MS.
Neurotoxicol Teratol 1990 Sep–Oct;12(5):537–41 (19 ref.)

The pigeon as a model for comparative behavioral pharmacology and toxicology. McMillan DE.
Neurotoxicol Teratol 1990 Sep–Oct;12(5):523–9 (43 ref.)

Approaches for assessing the validity of a functional observational battery. Moser VC. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):483–8 (24 ref.)

Operant behavior as a technique for toxicity testing. Wenger GR. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):515–21 (13 ref.)

Neurotoxic effects of colchicine. Mundy WR, et al.
Neurotoxicology 1990 Fall;11(3):539–47 (60 ref.)

Neurotoxic kinins from wasp and ant venoms. Piek T.
Toxicon 1991;29(2):139–49 (46 ref.)

[The use of 1,1,1-trichloroethane (methylchloroform) in industrial operations: the neurotoxicity risk] Fernicola C, et al. **Med Lav** 1991 Jan–Feb;82(1):38–49 (37 ref.) (Eng. Abstr.) **(Ita)**

[Modern concepts of neurotoxicity] Kvitnitskiĭ-Ryzhov IuN.
Farmakol Toksikol 1990 Jul–Aug;53(4):77–82 (90 ref.) (Eng. Abstr.) **(Rus)**

[Hygienic evaluation of the effect of coffee on the body (review of the literature)] Dmitriev MT, et al.
Gig Sanit 1990 Nov;(11):44–6 (21 ref.) **(Rus)**

EMBRYOLOGY

Regional neural induction in Xenopus laevis. Sharpe CR.
Bioessays 1990 Dec;12(12):591–6 (27 ref.)

The expression and interactions of laminin in the developing nervous system. Edgar D. **Cell Differ Dev** 1990 Dec 2; 32(3):377–81 (40 ref.)

Cholinesterases during development of the avian nervous system. Layer PG. **Cell Mol Neurobiol** 1991 Feb;11(1):7–33 (139 ref.)

Regulations in the induction of the organized neural system in amphibian embryos. Yamada T. **Development** 1990 Nov; 110(3):653–9 (70 ref.)

Cell recognition and pattern formation in the developing nervous system. Trisler D. **J Exp Biol** 1990 Oct;153:11–27 (42 ref.)

Optical studies of early developing cardiac and neural activities using voltage-sensitive dyes. Kamino K.
Jpn J Physiol 1990;40(4):443–61 (62 ref.)

Horizontal and vertical pathways in neural induction. Guthrie S. **Trends Neurosci** 1991 Apr;14(4):123–6 (32 ref.)

Genes required for specifying cell fates in Drosophila embryonic sensory nervous system. Jan YN, et al.
Trends Neurosci 1990 Dec;13(12):493–8 (69 ref.)

[Problem of diversity in neural development] Okamoto H, et al. **No To Shinkei** 1990 Sep;42(9):799–812 (41 ref.) **(Jpn)**

GROWTH & DEVELOPMENT

Glycosphingolipids that can regulate nerve growth and repair. Cuello AC. **Adv Pharmacol** 1990;21:1–50 (238 ref.)

The relationship of GAP-43 to the development and plasticity of synaptic connections. Benowitz LI, et al.
Ann N Y Acad Sci 1991;627:58–74 (87 ref.)

Genetic and molecular bases of neurogenesis in Drosophila melanogaster. Campos-Ortega JA, et al.
Annu Rev Neurosci 1991;14:399–420 (108 ref.)

Cell death during development of the nervous system. Oppenheim RW. **Annu Rev Neurosci** 1991;14:453–501 (288 ref.)

Neural maturational delay as a link in the chain of events leading to SIDS. Becker LE. **Can J Neurol Sci** 1990 Nov; 17(4):361–71 (80 ref.)

Human fetal lead exposure: intrauterine growth, maturation, and postnatal neurobehavioral development. Dietrich KN.
Fundam Appl Toxicol 1991 Jan;16(1):17–9 (21 ref.)

Constant topological organization of the coleopteran metamorphosing nervous system: analysis of persistent elements in the nervous system of Tenebrio molitor. Breidbach O. **J Neurobiol** 1990 Oct;21(7):990–1001 (55 ref.)

The development of the lamprey pattern generator for locomotion. Cohen AH, et al. **J Neurobiol** 1990 Oct; 21(7):958–69 (35 ref.)

Neurometamorphosis. Harris WA. **J Neurobiol** 1990 Oct; 21(7):953–7 (14 ref.)

The gastropod nervous system in metamorphosis. Marois R, et al. **J Neurobiol** 1990 Oct;21(7):1053–71 (96 ref.)

Metamorphic-like changes in the nervous system of the nematode Caenorhabditis elegans. Walthall WW.
J Neurobiol 1990 Oct;21(7):1085–91 (33 ref.)

Developmental neurobiology of the zebrafish. Eisen JS.
J Neurosci 1991 Feb;11(2):311–7 (80 ref.)

Polypeptide growth factors in mammalian development: some issues for neurotoxicology and behavioral teratology. Alleva E, et al. **Neurotoxicology** 1990 Summer; 11(2):293–303 (50 ref.)

Neurologic development of children with severe chronic renal failure from infancy. Polinsky MS, et al.
Pediatr Nephrol 1987 Apr;1(2):157–65 (48 ref.)

Study of epigenesis throws up new targets for drug research. Demeneix B. **Trends Pharmacol Sci** 1990 Oct;11(10):389–92 (27 ref.)

IMMUNOLOGY

Immunoregulators in the nervous system. Plata-Salamán CR.
Neurosci Biobehav Rev 1991 Summer;15(2):185–215 (623 ref.)

Immunoglobulin superfamily molecules in the nervous system. Yoshihara Y, et al. **Neurosci Res** 1991 Mar; 10(2):83–105 (124 ref.)

Neural control of immune function: opioids, opioid receptors and immunosuppression. Weber RJ, et al.
NIDA Res Monogr 1991;105:96–102 (0 ref.)

INJURIES

Neurovascular injuries in the hands of athletes. Aulicino PL.
Hand Clin 1990 Aug;6(3):455–66 (75 ref.)

[So-called whiplash injury of the cervical spine. Comments from the neurological viewpoint] Tegenthoff M, et al.
Dtsch Med Wochenschr 1991 Jun 28;116(26):1030–4 (12 ref.) **(Ger)**

[Neurotrophic factor and the processes of reparative regeneration] Pavlov VA, et al.
Vestn Akad Med Nauk SSSR 1990;(8):60–3 (48 ref.) **(Rus)**

METABOLISM

Exchange of peptides between the circulation and the nervous system: role of the blood–brain barrier. Banks WA, et al. **Adv Exp Med Biol** 1990;274:59–69 (53 ref.)

Stimulus–transcription coupling in the nervous system: involvement of the inducible proto–oncogenes fos and jun. Morgan JI, et al. **Annu Rev Neurosci** 1991;14:421–51 (177 ref.)

Extracellular matrix molecules and their receptors: functions in neural development. Reichardt LF, et al. **Annu Rev Neurosci** 1991;14:531–70 (260 ref.)

Structural basis of potassium channel diversity in the nervous system. Pongs O. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec;1(1–4):31–9 (27 ref.)

The Korsakoff syndrome: a neurochemical perspective [published erratum appears in Trends Neurosci 1990 Nov;13(11):446] McEntee WJ, et al. **Trends Neurosci** 1990 Aug;13(8):340–4 (35 ref.)

[Biochemical basis of the effect of organophosphate pesticides on humans] Lutz W, et al. **Med Pr** 1990;41(3):181–9 (31 ref.) (Eng. Abstr.) **(Pol)**

MICROBIOLOGY

Human T lymphotropic virus type I neurotropism. Román GC, et al. **Prog Med Virol** 1990;37:190–210 (80 ref.)

PATHOLOGY

Retrovirus–induced motor neuron disease of mice: molecular basis of neurotropism and paralysis. Jolicoeur P, et al. **Adv Neurol** 1991;56:481–93 (39 ref.)

Neuropathology of HIV infection: adults versus children. Sharer LR, et al. **Prog AIDS Pathol** 1989;1:131–41 (44 ref.)

Neuropathologic complications of infection with the human immunodeficiency virus (HIV). Vinters HV, et al. **Prog AIDS Pathol** 1989;1:101–30 (169 ref.)

PHYSIOLOGY

The role of histamine in the neuroendocrine regulation of pituitary hormone secretion. Knigge U, et al. **Acta Endocrinol (Copenh)** 1991 Jun;124(6):609–19 (65 ref.)

Neuroendocrine functions of histamine. Knigge U, et al. **Agents Actions Suppl** 1991;33:29–53 (83 ref.)

Cerebellar synaptic plasticity. Relation to learning versus neural activity. Greenough WT, et al. **Ann N Y Acad Sci** 1991;627:231–47 (69 ref.)

Evolution in nervous systems. Arbas EA, et al. **Annu Rev Neurosci** 1991;14:9–38 (231 ref.)

Modulation of neural networks for behavior. Harris–Warrick RM, et al. **Annu Rev Neurosci** 1991;14:39–57 (106 ref.)

The neural basis of behavior: a neuroethological view. Heiligenberg W. **Annu Rev Neurosci** 1991;14:247–67 (105 ref.)

Neuroethological approaches to the evolution of neural systems. Volman SF. **Brain Behav Evol** 1990;36(2–3):154–65 (60 ref.)

Neural mechanisms underlying brain waves: from neural membranes to networks. Lopes da Silva F. **Electroencephalogr Clin Neurophysiol** 1991 Aug;79(2):81–93 (101 ref.)

Neuronal control of pancreatic exocrine secretion. Holst JJ. **Eur J Clin Invest** 1990 Oct;20 Suppl 1:S33–9 (54 ref.)

The neurology of aging: normal versus pathologic change. Morris JC, et al. **Geriatrics** 1991 Aug;46(8):47–8, 51–4 (33 ref.)

Neurovascular mechanisms and sodium balance in the pathogenesis of hypertension. Brum JM, et al. **Hypertension** 1991 Jan;17(1 Suppl):I45–51 (55 ref.)

The cerebral hemispheres and bilateral neural nets. Cook ND, et al. **Int J Neurosci** 1990 Jun;52(3–4):201–10 (21 ref.)

An introduction to the basic principles of magnetic nerve stimulation. Barker AT. **J Clin Neurophysiol** 1991 Jan; 8(1):26–37 (36 ref.)

Technical and practical aspects of magnetic nerve stimulation. Jalinous R. **J Clin Neurophysiol** 1991 Jan; 8(1):10–25 (15 ref.)

Stimulation of the human nervous system using the magnetic coil. Maccabee PJ, et al. **J Clin Neurophysiol** 1991 Jan; 8(1):38–55 (85 ref.)

Resiniferatoxin and its analogs provide novel insights into the pharmacology of the vanilloid (capsaicin) receptor. Szallasi A, et al. **Life Sci** 1990;47(16):1399–408 (45 ref.)

Fos–jun and the primary genomic response in the nervous system. Possible physiological role and pathophysiological significance. Doucet JP, et al. **Mol Neurobiol** 1990 Spring–Summer;4(1–2):27–55 (205 ref.)

Molecular biology of the insulin–like growth factors. Relevance to nervous system function. Hepler JE, et al. **Mol Neurobiol** 1990 Spring–Summer;4(1–2):93–127 (205 ref.)

Sex determination and the generation of sexually dimorphic nervous systems. Hodgkin J. **Neuron** 1991 Feb;6(2):177–85 (58 ref.)

The basal ganglia–orofacial system: studies on neurobehavioral plasticity and sensory–motor tuning. Huston JP, et al. **Neurosci Biobehav Rev** 1990 Winter; 14(4):433–46 (123 ref.)

Recent advances in research on sensory peptides and capsaicin mechanisms. A conference report. Maggi CA, et al. **Neurosci Lett** 1991 Jan 28;122(2):199–201 (9 ref.)

Neuropeptides. Moore MR, et al. **Neurosurg Rev** 1991; 14(2):97–110 (0 ref.)

Song learning: the interface between behaviour and neuroethology. Marler P. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29; 329(1253):109–14 (58 ref.)

Neurophysiological actions of 5–hydroxytryptamine in the vertebrate nervous system. Anwyl R. **Prog Neurobiol** 1990; 35(6):451–68 (141 ref.)

Neuronal organization and information processing in the wind–sensitive cercal receptor/giant interneurone system of the locus and other orthopteroid insects. Boyan GS, et al. **Prog Neurobiol** 1990;35(3):217–43 (168 ref.)

Fractal and chaotic dynamics in nervous systems. King CC. **Prog Neurobiol** 1991;36(4):279–308 (117 ref.)

Song–learning behavior: the interface with neuroethology. Marler P. **Trends Neurosci** 1991 May;14(5):199–206 (73 ref.)

Reassessing the mechanisms and origins of vocal learning in birds. Nottebohm F. **Trends Neurosci** 1991 May; 14(5):206–11 (57 ref.)

The changing scene of neurotrophic factors. Thoenen H. **Trends Neurosci** 1991 May;14(5):165–70 (53 ref.)

[From posture to initiation of movement] Agid Y. **Rev Neurol (Paris)** 1990;146(10):536–42 (46 ref.) (Eng. Abstr.) **(Fre)**

[Psychobiological basis of hypnosis. Neurophysiologic and psychosomatic considerations] Torta R, et al. **Minerva Psichiatr** 1990 Jul–Sep;31(3):161–6 (16 ref.) (Eng. Abstr.) **(Ita)**

[Stable peaks and far field potentials] Oliván J. **Arch Neurobiol (Madr)** 1990 Jul–Aug;53(4):149–50 (5 ref.) **(Spa)**

[The impulse activity in human nerves provides clues to the function of the nervous system] Vallbo A. **Lakartidningen** 1991 Aug 21;88(34):2672–4, 2677, 2679 (15 ref.) (Eng. Abstr.) **(Swe)**

PHYSIOPATHOLOGY

The premenstrual syndrome: a psychoneuroendocrine perspective. Dinan TG, et al. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):143–65 (121 ref.)

Neuroendocrine dysfunction in psychotic disorders (excluding ACTH). Ferrier IN. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):1–13 (84 ref.)

Opioid peptides and depression: the neuroendocrine approach. Zis AP, et al. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):97–117 (111 ref.)

The contribution of the nervous system to inflammation and inflammatory disease. Basbaum AI, et al. **Can J Physiol Pharmacol** 1991 May;69(5):647–51 (35 ref.)

Central neurophysiological processing of joint pain on the basis of studies performed in normal animals and in models of experimental arthritis. Guilbaud G. **Can J Physiol Pharmacol** 1991 May;69(5):637–46 (46 ref.)

Considerations concerning the neurobiological basis of muscle pain. Mense S. **Can J Physiol Pharmacol** 1991 May; 69(5):610–6 (37 ref.)

Neuroendocrine alterations in iron deficiency. Beard JL. **Prog Food Nutr Sci** 1990;14(1):45–82 (141 ref.)

Cocaine addiction: psychology and neurophysiology [published erratum appears in Science 1991 Aug 2;253(5019):494] Gawin FH. **Science** 1991 Mar 29; 251(5001):1580–6 (41 ref.)

Neurology of aggression and episodic dyscontrol. Elliott FA. **Semin Neurol** 1990 Sep;10(3):303–12 (80 ref.)

[General pathophysiology of the nervous system] Kryzhanovskiĭ GN. **Patol Fiziol Eksp Ter** 1991 Mar–Apr; (2):49–57 (29 ref.) **(Rus)**

NERVOUS SYSTEM DISEASES

Xeroderma pigmentosum group D patient bearing lentigo maligna without neurological symptoms. Fukuro S, et al. **Dermatologica** 1990;181(2):129–33 (18 ref.)

Complications of gastroesophageal antireflux surgery in neurologically impaired versus neurologically normal children. Pearl RH, et al. **J Pediatr Surg** 1990 Nov; 25(11):1169–73 (20 ref.)

Selected neurologic complications of pregnancy. Fox MW, et al. **Mayo Clin Proc** 1990 Dec;65(12):1595–618 (170 ref.)

Diphtheria–tetanus–pertussis vaccine and serious neurologic illness: an updated review of the epidemiologic evidence. Wentz KR, et al. **Pediatrics** 1991 Mar;87(3):287–97 (39 ref.)

[Paraneoplastic neurologic syndromes] Dubas F. **Presse Med** 1991 Jun 8;20(22):1041–6 (30 ref.) (Eng. Abstr.) **(Fre)**

[Time for reassessment of brachial plexus injuries] Mellström A, et al. **Lakartidningen** 1991 Apr 17;88(16):1479–81 (11 ref.) **(Swe)**

CEREBROSPINAL FLUID

Beta–2–microglobulin levels in the cerebrospinal fluid: their value as a disease marker. A review of the recent literature. Adachi N. **Eur Neurol** 1991;31(4):181–5 (32 ref.)

Cerebrospinal fluid markers in neurological disorders. Massaro AR, et al. **Ital J Neurol Sci** 1990 Dec;11(6):537–47 (83 ref.)

CHEMICALLY INDUCED

Neurotoxic concerns of human pesticide exposures. Davies JE. **Am J Ind Med** 1990;18(3):327–31 (16 ref.)

Neurologic complications of cocaine abuse. Spivey WH, et al. **Ann Emerg Med** 1990 Dec;19(12):1422–8 (81 ref.)

Aluminum neurotoxicity: a reevaluation. Murray JC, et al. **Clin Neuropharmacol** 1991 Apr;14(2):179–85 (43 ref.)

Neurotoxic side–effects of cisplatin. Harmers FP, et al. **Eur J Cancer** 1991;27(3):372–6 (33 ref.)

Long–latency neurodegenerative disease in the western Pacific. Spencer PS, et al. **Geriatrics** 1991 Aug;46 Suppl 1:37–42 (63 ref.)

Minamata disease: what is a keystone of its molecular mechanism? A biochemical theory on the nature of methyl mercury neurotoxicity. Kuznetsov DA. **Int J Neurosci** 1990 Jul;53(1):1–51 (167 ref.)

The neurotoxicity of MPTP and its relationship to the pathophysiology of Parkinson's disease. Sandyk R, et al. **Int J Neurosci** 1989 Jan;44(1–2):165–7 (10 ref.)

Neurotoxicity of beta–lactam antibiotics: predisposing factors and pathogenesis. Schliamser SE, et al. **J Antimicrob Chemother** 1991 Apr;27(4):405–25 (162 ref.)

Adverse neurologic effects of glucocorticosteroids. Lacomis D, et al. **J Gen Intern Med** 1991 Jul–Aug;6(4):367–77 (104 ref.)

The neurological sequelae to toluene inhalation. Smith MS. **J R Nav Med Serv** 1990 Summer;76(2):69–74 (32 ref.)

Slow toxins, biologic markers, and long–latency neurodegenerative disease in the western Pacific region. Spencer PS, et al. **Neurology** 1991 May;41(5 Suppl 2):62–6; discussion 66–8 (63 ref.)

Neurotoxic acrylamide and neurotrophic melanocortin peptides––can contrasting actions provide clues about modes of action? Edwards PM, et al. **Neuropathol Appl Neurobiol** 1991 Apr;17(2):91–104 (66 ref.)

Strategies for assessing neurotoxicity. Switzer RC 3d. **Neurosci Biobehav Rev** 1991 Spring;15(1):89–93 (19 ref.)

Risk assessment of the developmental neurotoxicity of lead. Davis JM. **Neurotoxicology** 1990 Summer;11(2):285–91 (20 ref.)

Memory, synaptic plasticity and neurotoxins. Petit TL. **Neurotoxicology** 1990 Summer;11(2):323–32 (54 ref.)

Neurotoxicology dose/response assessment for several cholinesterase inhibitors: use of uncertainty factors. Raffaele KC, et al. **Neurotoxicology** 1990 Summer; 11(2):237–56 (64 ref.)

Qualitative and quantitative comparability of human and animal developmental neurotoxicants: a workshop summary. Rees DC, et al. **Neurotoxicology** 1990 Summer; 11(2):257–69 (24 ref.)

Risk assessment: the insidious nature of neurotoxicity and the aging brain. Weiss B. **Neurotoxicology** 1990 Summer; 11(2):305–13 (30 ref.)

Towards quantitative risk assessment for neurotoxicity. Wyzga RE. **Neurotoxicology** 1990 Summer;11(2):199–207 (18 ref.)

Lead toxicology and neurotoxicology. McIntosh MJ, et al. **Rev Environ Health** 1989 Jan–Dec;8(1–4):87–118 (253 ref.)

[Prescription of neuroleptics for children] Bouvard MP, et al. **Encephale** 1990 Sep–Oct;16(5):389–98 (59 ref.) (Eng. Abstr.) **(Fre)**

[Irreversible neurologic sequelae caused by lithium] Verdoux H, et al. **Encephale** 1991 May–Jun;17(3):221–4 (25 ref.) (Eng. Abstr.) **(Fre)**

[Neurologic sequelae of the neuroleptics–lithium combination: role of hyperthermia] Pelletier J, et al. **Rev Med Interne** 1991 May–Jun;12(3):187–91 (23 ref.) (Eng. Abstr.) **(Fre)**

[Neurologic and psychiatric disorders in vinyl chloride disease] Podoll K, et al. **Fortschr Neurol Psychiatr** 1990 Nov;58(11):439–43 (30 ref.) (Eng. Abstr.) **(Ger)**

[Safety of intravenous anesthetics. Evaluation of neurologic effects and intracranial pressure] Zattoni J, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):388–93 (32 ref.) **(Ita)**

[Biochemical basis of the effect of organophosphate pesticides on humans] Lutz W, et al. **Med Pr** 1990;41(3):181–9 (31 ref.) (Eng. Abstr.) **(Pol)**

[Complications of the treatment with non–steroidal anti–inflammatory drugs] Gritsiuk AI, et al. **Sov Med** 1990; (10):39–43 (55 ref.) **(Rus)**

[Chronic toluene poisoning] Ferreiro JL, et al. **Neurologia** 1990 Jun–Jul;5(6):205–7 (13 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Neurologic conditions affecting the cardiovascular system. Cuetter AC, et al. **Curr Probl Cardiol** 1990 Sep; 15(9):473–568 (335 ref.)

Autonomic nervous dysfunction in essential hypertension. Julius S. **Diabetes Care** 1991 Mar;14(3):249–59 (71 ref.)

Dystonia in Parkinson's disease, multiple system atrophy, and progressive supranuclear palsy. Rivest J, et al. **Neurology** 1990 Oct;40(10):1571–8 (93 ref.)

A case of POEMS syndrome associated with essential thrombocythaemia and dermal mastocytosis. Jackson A, et al. **Postgrad Med J** 1990 Sep;66(779):761–7 (52 ref.)

Neurologic causes of learning disabilities. Cohen BH. **Semin Neurol** 1991 Mar;11(1):7–13 (32 ref.)

[Primary and secondary neurologic manifestations in AIDS] Enzensberger W. **Verh Dtsch Ges Inn Med** 1990;96:524–9 (22 ref.) **(Ger)**

[Neurological complications of AIDS] Selmaj K. **Pol Tyg Lek** 1990 Jul 2–9;45(27–28):576–81 (35 ref.) **(Pol)**

[Neuropsychiatric disorders in systemic lupus erythematosus: a multidisciplinary review] Miguel Filho EC, et al. **Rev Paul Med** 1990 Jul–Aug;108(4):174–82 (70 ref.) (Eng. Abstr.) **(Por)**

DIAGNOSIS

Clinical applications of evoked potentials in neurological disorders. Guadagnino M, et al. **Acta Neurol (Napoli)** 1990 Dec;12(6):440–79 (363 ref.)

Frontal lobe seizures and epilepsies in neurobehavioral disorders. Delgado-Escueta AV, et al. **Adv Neurol** 1991; 55:317–40 (67 ref.)

Separation of motor neuron diseases from pure motor neuropathies: pathology. Hays AP. **Adv Neurol** 1991; 56:385–98 (94 ref.)

Separating motor neuron diseases from pure motor neuropathies. Multifocal motor neuropathy with persistent conduction block. Sumner AJ. **Adv Neurol** 1991;56:399–403 (21 ref.)

Separating motor neuron diseases from pure motor neuropathies. Clinical clues and definitions. Thomas PK. **Adv Neurol** 1991;56:381–4 (25 ref.)

Sarcoidosis of the nervous system. A clinical approach. Sharma OP, et al. **Arch Intern Med** 1991 Jul;151(7):1317–21 (116 ref.)

Neurologic status of spina bifida patients and the orthopedic surgeon. Mazur JM, et al. **Clin Orthop** 1991 Mar; (264):54–64 (22 ref.)

Neurologic complications of alcoholism. Wrenn KD, et al. **Emerg Med Clin North Am** 1990 Nov;8(4):835–58 (161 ref.)

Use of magnetic resonance imaging in pediatric neurologic diagnosis. deVeber G, et al. **Indian J Pediatr** 1990 Jul–Aug; 57(4):481–98 (16 ref.)

Establishing the reliability and validity of neuropsychological disorders with low base rates: some recommended guidelines. Cicchetti DV, et al. **J Clin Exp Neuropsychol** 1991 Mar;13(2):328–38 (29 ref.)

[HIV and nervous system manifestations: a review] Riedel RR, et al. **Fortschr Neurol Psychiatr** 1991 Mar;59(3):69–80 (167 ref.) (Eng. Abstr.) **(Ger)**

[Paraneoplastic syndromes of the nervous system] Hennerici M, et al. **Internist (Berl)** 1990 Aug;31(8):499–504 (39 ref.) **(Ger)**

[Diagnosis and significance of forensic neuropathological findings] Tatsuno Y. **Nippon Hoigaku Zasshi** 1990 Dec; 44(5–6):404–20 (28 ref.) (Eng. Abstr.) **(Jpn)**

[Neurologic manifestations of chronic alcoholism] Brzecki A, et al. **Postepy Hig Med Dosw** 1990;44(1–3):139–51 (57 ref.) (Eng. Abstr.) **(Pol)**

[Sarcoidosis of the nervous system] Kalinichev GA, et al. **Probl Tuberk** 1990;(10):73–5 (52 ref.) **(Rus)**

[The clinical characteristics of nervous system involvement in AIDS] Tkachenko EV. **Vrach Delo** 1991 Apr;(4):13–6 (34 ref.) **(Rus)**

[The most important results and prospective trends in scientific research in the field of clinical neurology 1988–1989 (review of the literature)] Vereshchagin NV, et al. **Zh Nevropatol Psikhiatr** 1990;90(11):131–6 (88 ref.) **(Rus)**

[Lymphomatoid granulomatosis: a clinical case] Lavados M, et al. **Rev Med Chil** 1990 May;118(5):555–61 (17 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Antioxidant therapy in neurological disorders. Muller DP. **Adv Exp Med Biol** 1990;264:475–84 (41 ref.)

Psychotropic drugs in the elderly: principles of use. Crismon ML. **Am Pharm** 1990 Dec;NS30(12):57–63 (14 ref.)

[Psychiatric and nervous disorders] Hara K. **Nippon Sanka Fujinka Gakkai Zasshi** 1990 Aug; 42(8):847–53 (15 ref.) (Eng. Abstr.) **(Jpn)**

[Increased knowledge of dopamine receptors results in better drugs in the treatment of neurologic and psychological disorders] Hall H. **Lakartidningen** 1991 Aug 28; 88(35):2761–5 (50 ref.) **(Swe)**

ENZYMOLOGY

Protein kinases and phosphorylation in neurologic disorders and cell death. Saitoh T, et al. **Lab Invest** 1991 May; 64(5):596–616 (269 ref.)

ETIOLOGY

Neuropsychiatric consequences of cobalamin deficiency. Beck WS. **Adv Intern Med** 1991;36:33–56 (105 ref.)

Review of neuropsychological studies of HIV infection. Kocsis A. **AIDS Care** 1990;2(4):385–8 (3 ref.)

Protection against ischaemic neuronal damage by drugs acting on excitatory neurotransmission. Meldrum B. **Cerebrovasc Brain Metab Rev** 1990 Spring;2(1):27–57 (212 ref.)

Pathogenesis and therapy of nervous system vasculitis. Kissel JT, et al. **Clin Neuropharmacol** 1991 Feb;14(1):28–48 (102 ref.)

HIV-1, macrophages, glial cells, and cytokines in AIDS nervous system disease. Merrill JE, et al. **FASEB J** 1991 Jul;5(10):2391–7 (103 ref.)

Developmental neuropsychiatry. Taylor E. **J Child Psychol Psychiatry** 1991 Jan;32(1):3–47 (210 ref.)

Diagnostic criteria for neuropsychiatric systemic lupus erythematosus: the results of a consensus meeting. The Ad Hoc Neuropsychiatric Lupus Workshop Group. Singer J, et al. **J Rheumatol** 1990 Oct;17(10):1397–402 (20 ref.)

Neurological manifestations of neuroendocrine neoplasms of the larynx. Deleu D, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(4):250–8 (42 ref.)

Neurologic disorders and dermatologic manifestations in HIV-infected children. Zuckerman G, et al. **Pediatr Emerg Care** 1991 Apr;7(2):99–105 (49 ref.)

Neuropathologic complications of infection with the human immunodeficiency virus (HIV). Vinters HV, et al. **Prog AIDS Pathol** 1989;1:101–30 (169 ref.)

Human immunodeficiency virus infection and neurologic dysfunction. Wigdahl B, et al. **Prog Med Virol** 1990;37:1–46 (175 ref.)

Tropical neuromyelopathies and retroviruses: a review. Bucher B, et al. **Rev Infect Dis** 1990 Sep–Oct;12(5):890–9 (93 ref.)

Neurologic side effects of psychiatric treatments. Dolan RJ. **Semin Neurol** 1990 Sep;10(3):295–302 (66 ref.)

The neuropsychiatry of human immunodeficiency virus. Grant I. **Semin Neurol** 1990 Sep;10(3):267–75 (62 ref.)

Neuropsychiatric complications following cardiac surgery. Mills SA, et al. **Semin Thorac Cardiovasc Surg** 1991 Jan; 3(1):39–46 (88 ref.)

Lyme disease: neurologic and ophthalmic manifestations. Winterkorn JM. **Surv Ophthalmol** 1990 Nov–Dec; 35(3):191–204 (81 ref.)

[The nervous system involvement in Lyme disease] Shi YC. **Chung Hua Nei Ko Tsa Chih** 1991 May;30(5):305–6 (17 ref.) **(Chi)**

[Severe neurologic course of galactosemia. Default of myelisation caused by deficient synthesis of UDP-galactose?] Choulot JJ, et al. **Arch Fr Pediatr** 1991 Apr;48(4):267–9 (7 ref.) (Eng. Abstr.) **(Fre)**

[Neurologic manifestations of infectious endocarditis] Hannachi N, et al. **Arch Mal Coeur Vaiss** 1991 Jan; 84(1):81–6 (21 ref.) (Eng. Abstr.) **(Fre)**

[Neurologic complications of brain radiotherapy: contribution of experimental studies] Delattre JY, et al. **Bull Cancer (Paris)** 1990;77(7):715–24 (41 ref.) (Eng. Abstr.) **(Fre)**

[Systemic manifestations associated with celiac disease in adults] Bouhnik Y, et al. **Gastroenterol Clin Biol** 1991; 15(1):28–33 (65 ref.) **(Fre)**

[Central and peripheral neurologic lesions in primary Gougerot–Sjögren syndrome. Clinicopathological study of a case] Bakchine S, et al. **Rev Neurol (Paris)** 1991; 147(5):368–75 (42 ref.) (Eng. Abstr.) **(Fre)**

[Magnetic resonance imaging and Cogan's syndrome] Calopa M, et al. **Rev Neurol (Paris)** 1991;147(2):161–3 (12 ref.) (Eng. Abstr.) **(Fre)**

[Ciguatera: an undesirable vacation souvenir] Schröter A, et al. **Med Monatsschr Pharm** 1991 Jul;14(7):206–10 (13 ref.) **(Ger)**

[Metabolic nervous system diseases] Goto I. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):433–7 (6 ref.) **(Jpn)**

[Interrelations between functional changes and health status and climatic factors of Extreme North (review)] Dedenko II, et al. **Gig Sanit** 1990 Jul;(7):4–9 (58 ref.) **(Rus)**

[Kindling as a model for the formation of behavioral disorders] Shandra AA, et al. **Usp Fiziol Nauk** 1990 Oct–Dec;21(4):50–67 (83 ref.) **(Rus)**

[Nervous system involvement in herpes zoster (a review of the literature)] Andreichin MA, et al. **Vrach Delo** 1990 Jul; (7):71–4 (32 ref.) **(Rus)**

[Neurologic manifestations of polycythemia vera. Analysis of 24 cases and review of the literature] Corredoira Sánchez JC, et al. **An Med Interna** 1990 Feb;7(2):67–70 (37 ref.) (Eng. Abstr.) **(Spa)**

[Neurological manifestations of Lyme disease] García-Moncó JC, et al. **Enferm Infecc Microbiol Clin** 1989 Nov;7(9):501–6 (50 ref.) **(Spa)**

[Lyme borreliosis: neurologic manifestations] García-Moncó JC, et al. **Neurologia** 1990 Nov;5(9):315–22 (100 ref.) **(Spa)**

[Cerebral circulation and neurologic diseases related to oxidative stress. Free radicals and antioxidants] Romero D, et al. **Neurologia** 1990 Oct;5(8):271–83 (214 ref.) **(Spa)**

GENETICS

Molecular approaches to hereditary diseases of the nervous system: Huntington's disease as a paradigm. Wexler NS, et al. **Annu Rev Neurosci** 1991;14:503–29 (110 ref.)

Mitochondrial disease and mitochondrial DNA. Hammans SR, et al. **Br J Hosp Med** 1991 Jul;46(1):20, 22–3, 25–6 (43 ref.)

Neurological disease and mitochondrial genes. Harding AE. **Trends Neurosci** 1991 Apr;14(4):132–8 (43 ref.)

[Molecular genetics: a new approach of clinical neurosciences] Brice A, et al. **Rev Neurol (Paris)** 1991; 147(1):1–16 (90 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Immunology of diabetic and polyglandular neuropathy. Rabinowe SL. **Diabetes Metab Rev** 1990 Dec;6(3):169–88 (169 ref.)

Autoimmune diseases of the neuroimmune system and mental disease. Steiner I, et al. **Immunol Ser** 1989;45:491–511 (169 ref.)

Antibodies in the neurology clinic. Steck AJ. **Neurology** 1990 Oct;40(10):1489–92 (51 ref.)

METABOLISM

Free radicals involvement in neurological porphyrias and lead poisoning. Monteiro HP, et al. **Mol Cell Biochem** 1991 Apr 24;103(1):73–83 (88 ref.)

Neuropsychiatric disorders and the multiple human brain serotonin receptor subtypes and subsystems. Murphy DL. **Neuropsychopharmacology** 1990 Oct–Dec;3(5–6):457–71 (171 ref.)

Cholinergic receptors in the rat and human brain: microscopic visualization. Palacios JM, et al. **Prog Brain Res** 1990;84:243–53 (47 ref.)

[Peroxisomes and neurological disorders] Suzuki Y, et al. **No To Shinkei** 1990 Jul;42(7):611–9 (48 ref.) **(Jpn)**

MICROBIOLOGY

The use of molecular techniques in studying viral pathogenesis in the nervous system. Kennedy PG. **Trends Neurosci** 1990 Oct;13(10):424–31 (90 ref.)

PATHOLOGY

Sarcoid neuropathy. Gainsborough N, et al. **J Neurol** 1991 Jun;238(3):177–80 (23 ref.)

Neuropathology of HIV infection: adults versus children. Sharer LR, et al. **Prog AIDS Pathol** 1989;1:131–41 (44 ref.)

PHYSIOPATHOLOGY

HTLV-I neurotropism. In vitro studies. Macchi B, et al. **Acta Neurol (Napoli)** 1991 Apr;13(2):179–83 (15 ref.)

The use of magnetoencephalography in neurology. Fenwick P. **Adv Neurol** 1990;54:271–82 (45 ref.)

Application of psychophysiology in clinical neuropsychology. Levine MJ, et al. **Ann N Y Acad Sci** 1991;620:208–16 (32 ref.)

Animal models of age-related dementia: neurobehavioral dysfunctions in autoimmune mice. Forster MJ, et al. **Brain Res Bull** 1990 Sep;25(3):503–16 (153 ref.)

Neural basis of behavior: animal models of human conditions. Sanberg PR, et al. **Brain Res Bull** 1990 Sep;25(3):447–51 (43 ref.)

Neural maturational delay as a link in the chain of events leading to SIDS. Becker LE. **Can J Neurol Sci** 1990 Nov; 17(4):361–71 (80 ref.)

A critical review of physiological and clinical aspects of movement related brain macropotentials in humans. Chiarenza GA. **Ital J Neurol Sci** 1991 Feb;12(1):17–30 (75 ref.)

Current conceptualizations of psychiatric illnesses as neurological disorders. Silverstein ML. **Mol Chem Neuropathol** 1990 Mar;12(2):131–42 (60 ref.)

Ubiquitin, cell stress and diseases of the nervous system. Lowe J, et al. **Neuropathol Appl Neurobiol** 1990 Aug; 16(4):281–91 (44 ref.)

Excitatory amino acid neurotoxicity and neurodegenerative disease. Meldrum B, et al. **Trends Pharmacol Sci** 1990 Sep; 11(9):379–87 (49 ref.)

[Magnesium in neurology] Lemke MR. **Nervenarzt** 1990 Sep; 61(9):573–5 (11 ref.) **(Ger)**

[The role of the central nervous system in lupus erythematosus] Pozsonyi T, et al. **Orv Hetil** 1991 May 19; 132(20):1081–2, 1085–8 (43 ref.) (Eng. Abstr.) **(Hun)**

[The glycine receptor—the normal, pathological and therapeutic implications] Nechifor M. **Rev Med Chir Soc Med Nat Iasi** 1990 Jan–Mar;94(1):223–4 (18 ref.) **(Rum)**

[Free radicals, lipid peroxides and the nervous system] Jovičić A. **Vojnosanit Pregl** 1991 Jan–Feb;48(1):61–7 (56 ref.) **(Scr)**

PREVENTION & CONTROL

Medical surveillance for neurologic endpoints. Cone JE, et al. **Occup Med** 1990 Jul–Sep;5(3):547–62 (82 ref.)

Corticosteroids and bacterial meningitis. Kaplan SL. **Scand J Infect Dis Suppl** 1990;73:43–54 (56 ref.)

PSYCHOLOGY

Disconnected awareness for detecting, processing, and remembering in neurological patients. Weiskrantz L. **J R Soc Med** 1991 Aug;84(8):466–70 (29 ref.)

[Psychosomatic aspects of neurologic diseases. Experiences with clinical neurology from the viewpoint of the psychoanalyst] Franz M. **Z Psychosom Med Psychoanal** 1990;36(4):355–73 (80 ref.) (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

[Functional metabolic neuroimaging by positron-emission tomography in man] Salmon E, et al. **Rev Neurol (Paris)** 1990;146(8–9):459–77 (65 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[Perioperative prevention of thromboembolism in neurosurgery] Moskopp D, et al. **Neurochirurgia (Stuttg)**

1990 Sep;33(5):137–45 (153 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Plasma exchange in neurology. Uldry PA, et al. **Curr Stud Hematol Blood Transfus** 1990;(57):167–83 (57 ref.)

VETERINARY

[The neuropathology of martens] Geisel O, et al. **Tierarztl Prax** 1991 Jun;19(3):320–3 (16 ref.) (Eng. Abstr.) **(Ger)**

NERVOUS SYSTEM NEOPLASMS

CHEMISTRY

Chromogranin A: its role in endocrine function and as an endocrine and neuroendocrine tumor marker. Deftos LJ. **Endocr Rev** 1991 May;12(2):181–7 (55 ref.)

COMPLICATIONS

Myelopathies in the cancer patient: incidence, presentation, diagnosis and management. Part 1. Choucair AK. **Oncology (Williston Park)** 1991 Jun;5(6):71–80 (0 ref.)

[Neurology of the acquired immunodeficiency syndrome. II. Infections and tumors of the central nervous system] Orolin D, et al. **Cesk Neurol Neurochir** 1990 Jul;53(4):215–27 (79 ref.) **(Slo)**

DRUG THERAPY

Neuroblastoma: a neurochemical approach. Schor NF. **J Child Neurol** 1991 Jul;6(3):220–8 (32 ref.)

GENETICS

Tumor suppressor genes and cancer of the human nervous system. Chung RY, et al. **Cancer Invest** 1991;9(4):429–37 (108 ref.)

Molecular probes in neuro–oncology: a review. Rutka JT, et al. **Cancer Invest** 1990;8(3–4):425–38 (78 ref.)

Neuroblastoma: clinical significance of genetic abnormalities. Brodeur GM. **Cancer Surv** 1990;9(4):673–88 (63 ref.)

[Oncogenes in neuro–oncology] Lalaiants IE. **Zh Vopr Neirokhir** 1990 Nov–Dec;(6):28–30 (34 ref.) **(Rus)**

METABOLISM

Nerve sheath myxoma. An immunohistochemical study of a case. Nogita T, et al. **Dermatologica** 1990;181(4):317–9 (19 ref.)

PATHOLOGY

[Primary germinal tumors of the central nervous system] Plantaz D, et al. **Pediatrie** 1991;46(1):87–93 (28 ref.) (Eng. Abstr.) **(Fre)**

VETERINARY

The role of magnetic resonance spectroscopy in neuro–oncology. Shores A, et al. **Semin Vet Med Surg (Small Anim)** 1990 Nov;5(4):237–40 (7 ref.)

NESIDIOBLASTOMA see **ISLET CELL TUMOR**

NESIDIOBLASTOSIS see **PANCREATIC DISEASES**

NESIDIOBLASTS see **ISLETS OF LANGERHANS**

NESTED CASE-CONTROL STUDIES see **CASE-CONTROL STUDIES**

NETWORK COMMUNICATION PROTOCOLS see **COMPUTER COMMUNICATION NETWORKS**

NEURAL CONDUCTION

Separating motor neuron diseases from pure motor neuropathies. Multifocal motor neuropathy with persistent conduction block. Sumner AJ. **Adv Neurol** 1991;56:399–403 (21 ref.)

AAEM minimonograph #34: polyneuropathy: classification by nerve conduction studies and electromyography. Donofrio PD, et al. **Muscle Nerve** 1990 Oct;13(10):889–903 (252 ref.)

A five-conductance model of the action potential in the rat sympathetic neurone. Belluzzi O, et al. **Prog Biophys Mol Biol** 1991;55(1):1–30 (120 ref.)

[Motor-dominant neuropathy with multifocal conduction block] Sonoo M, et al. **Rinsho Shinkeigaku** 1990 Nov;30(11):1214–20 (24 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Conduction velocity along muscle fibers in situ in healthy infants. Cruz Martínez A, et al. **Electromyogr Clin Neurophysiol** 1990 Nov;30(7):443–8 (19 ref.)

NEURAL CREST

Neuroblastoma: a neurochemical approach. Schor NF. **J Child Neurol** 1991 Jul;6(3):220–8 (32 ref.)

Endocrine tumours of neural crest origin: neurolophomas, apudomas and the APUD concept. Pearse AG, et al. **Med Biol** 1974 Feb;52(1):3–18 (65 ref.)

CYTOLOGY

Glial cell lineages in the neural crest. Le Douarin N, et al. **GLIA** 1991;4(2):175–84 (47 ref.)

METABOLISM

The effects of high phenylalanine concentration on chick embryonic development. Kirby ML, et al. **J Inherited Metab Dis** 1990;13(4):634–40 (21 ref.)

Notch and the molecular genetics of neuroblast segregation in Drosophila. Artavanis-Tsakonas S, et al. **Mol Reprod Dev** 1990 Sep;27(1):23–7 (0 ref.)

PHYSIOLOGY

Cell lineage and cell migration in the neural crest. Lallier TE. **Ann N Y Acad Sci** 1991;615:158–71 (63 ref.)

Neural crest function in thymus development. Bockman DE, et al. **Immunol Ser** 1989;45:451–67 (58 ref.)

NEURAL INHIBITION

The physiological operation of presynaptic inhibitory autoreceptors. Westfall TC. **Ann N Y Acad Sci** 1990; 604:398–413 (121 ref.)

[Diffuse noxious inhibitory controls: theoretical aspects applied to the effects of regional administration of morphine] Le Bars D, et al. **Neurochirurgie** 1990; 36(6):329–35 (38 ref.) (Eng. Abstr.) **(Fre)**

[Cerebral crossed diaschisis caused by cerebellar lesion: role of the cerebellum in mental functions] Attig E, et al. **Rev Neurol (Paris)** 1991;147(3):200–7 (60 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Gating of GABAergic inhibition in hippocampal pyramidal cells. Alger BE. **Ann N Y Acad Sci** 1991;627:249–63 (154 ref.)

Neural substrates of latent inhibition: the switching model. Weiner I. **Psychol Bull** 1990 Nov;108(3):442–61 (250 ref.)

[The brain mediator systems and the mechanisms of the formation of extinction inhibition] Shugalev NP. **Usp Fiziol Nauk** 1990 Jul–Sep;21(3):59–78 (223 ref.) **(Rus)**

NEURAL INTERCONNECTIONS see **NEURAL PATHWAYS**

NEURAL PATHWAYS

ANATOMY & HISTOLOGY

Neural network simulations of the nervous system. van Leeuwen JL. **Eur J Morphol** 1990;28(2–4):139–47 (28 ref.)

Mapping neuropeptide-containing pathways in the brain with special reference to data obtained from the rat limbic system. Arluison M, et al. **Int Rev Cytol** 1990;123:1–38 (205 ref.)

CYTOLOGY

The Phaseolus vulgaris–leucoagglutinin tracing technique for the study of neuronal connections. Wouterlood FG, et al. **Prog Histochem Cytochem** 1991;22(1):1–78 (204 ref.)

METABOLISM

The mesoneocortical dopamine neuron system. De Keyser J, et al. **Neurology** 1990 Nov;40(11):1660–2 (44 ref.)

PHYSIOLOGY

Neuronal network generating locomotor behavior in lamprey: circuitry, transmitters, membrane properties, and simulation. Grillner S, et al. **Annu Rev Neurosci** 1991; 14:169–99 (161 ref.)

Modulation of neural networks for behavior. Harris-Warrick RM, et al. **Annu Rev Neurosci** 1991;14:39–57 (106 ref.)

Saccadic eye movements. Supranuclear control. Tusa RJ. **Bull Soc Belge Ophtalmol** 1989;237:67–111 (196 ref.)

Bulbospinal serotonergic pathways in the control of blood pressure. Coote JH. **J Cardiovasc Pharmacol** 1990;15 Suppl 7:S35–41 (75 ref.)

Plasticity of auditory maps in the brain. King AJ, et al. **Trends Neurosci** 1991 Jan;14(1):31–7 (50 ref.)

PHYSIOPATHOLOGY

Neural pathways in chronic pain. Helme RD, et al. **Med J Aust** 1990 Oct 1;153(7):400–6 (86 ref.)

NEURAL TRANSMISSION

Prejunctional control of excitatory neuroeffector transmission by prostaglandins in the airway smooth muscle tissue. Ito Y. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S6–10 (39 ref.)

Modulation of cholinergic neurotransmission to the airways. Skoogh BE, et al. **Am Rev Respir Dis** 1991 Jun; 143(6):1427–8 (24 ref.)

5-HT1A receptors and 5-HT1A-mediated responses: effect of treatments that modify serotonergic neurotransmission. Frazer A, et al. **Ann N Y Acad Sci** 1990;600:460–74; discussion 474–5 (90 ref.)

Neuropeptide Y and sympathetic neurotransmission. Lundberg JM, et al. **Ann N Y Acad Sci** 1990;611:166–74 (50 ref.)

Gangliosides and synaptic transmission. Thomas PD, et al. **Biochim Biophys Acta** 1990 Oct 8;1031(3):277–89 (223 ref.)

The patterns of neurotransmitter and neuropeptide co–occurrence among striatal projection neurons: conclusions based on recent findings. Reiner A, et al. **Brain Res Brain Res Rev** 1990 Sep–Dec;15(3):251–65 (156 ref.)

Astrocytes in neurotransmission. A review. Hansson E, et al. **Cell Mol Biol** 1990;36(5):487–96 (61 ref.)

On the contribution of mathematical models to the understanding of neurotransmitter release. Parnas H, et al. **Int Rev Neurobiol** 1990;32:1–50 (166 ref.)

2-Phenylethylamine: a modulator of catecholamine transmission in the mammalian central nervous system? Paterson IA, et al. **J Neurochem** 1990 Dec;55(6):1827–37 (110 ref.)

Nociceptive transmission within the spinal cord. Sorkin LS. **Mt Sinai J Med** 1991 May;58(3):208–16 (132 ref.)

The spinotrigeminal pathway and its spatial relationship to the origin of trigeminospinal projections in the rat. Phelan KD, et al. **Neuroscience** 1991;40(2):477–96 (107 ref.)

The physiology and pharmacology of neuromuscular transmission in the nematode parasite, Ascaris suum. Martin RJ, et al. **Parasitology** 1991;102 Suppl:S41–58 (99 ref.)

Evolutionary aspects of transmitter molecules, their receptors and channels. Walker RJ, et al. **Parasitology** 1991;102 Suppl:S7–29 (230 ref.)

Future prospects of cholinergic research on neuromuscular transmission. Thesleff S, et al. **Prog Brain Res** 1990;84:171–4 (0 ref.)

The cell and molecular biology of the cholinergic synapse: twenty years of progress. Whittaker VP. **Prog Brain Res** 1990;84:419–36 (125 ref.)

The possible role of adhesion in synaptic modification. Schubert D. **Trends Neurosci** 1991 Apr;14(4):127–30 (57 ref.)

DRUG EFFECTS

Cholinergic neuropharmacology: an update. Palacios JM, et al. **Acta Psychiatr Scand Suppl** 1991;366:27–33 (66 ref.)

Neuroadaptive responses to chronic ethanol. Buck KJ, et al. **Alcohol Clin Exp Res** 1991 Jun;15(3):460–70 (186 ref.)

Calcium involvement in anesthetic blockade of synaptic transmission. Puil E, et al. **Ann N Y Acad Sci** 1991; 625:82–90 (42 ref.)

Neurophysiological aspects of smoking behaviour: a neuroelectric perspective. Knott VJ. **Br J Addict** 1991 May; 86(5):511–5 (23 ref.)

The relevance of receptor binding studies to tobacco research. Wonnacott S. **Br J Addict** 1991 May;86(5):537–41 (28 ref.)

Protection against ischaemic neuronal damage by drugs acting on excitatory neurotransmission. Meldrum B. **Cerebrovasc Brain Metab Rev** 1990 Spring;2(1):27–57 (212 ref.)

Clinical pharmacology of the neuromuscular blocking agents. Larijani GE, et al. **DICP** 1991 Jan;25(1):54–64 (137 ref.)

Pharmacology of noradrenaline and neuropeptide tyrosine (NPY)-mediated sympathetic cotransmission. Lundberg JM, et al. **Fundam Clin Pharmacol** 1990;4(4):373–91 (82 ref.)

Pharmacology of spinal peptides affecting sensory and motor functions: dynorphins, somatostatins and tachykinins. Spampinato S, et al. **Pharmacol Res** 1991 Feb;23(2):113–27 (113 ref.)

Mechanisms that may underlie the behavioural effects of ethanol. Little HJ. **Prog Neurobiol** 1991;36(3):171–94 (210 ref.)

[The pharmacology of central serotonergic neural transmission systems] Fischer W. **Pharm Unserer Zeit** 1991 Jan;20(1):21–31 (15 ref.) **(Ger)**

[Central analgesic effects of non–steroidal anti–rheumatic agents] Jurna I. **Z Rheumatol** 1991;50 Suppl 1:7–13 (46 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Neuropeptide Y: an overview of central distribution, functional aspects, and possible involvement in neuropsychiatric illnesses. Heilig M, et al. **Acta Psychiatr Scand** 1990 Aug;82(2):95–114 (265 ref.)

Cholinergic neurons of the central nervous system: morphofunctional aspects. Bigl V, et al. **Acta Psychiatr Scand Suppl** 1991;366:7–13 (57 ref.)

Central cholinergic functioning and aging. Müller WE, et al. **Acta Psychiatr Scand Suppl** 1991;366:34–9 (39 ref.)

Long-term potentiation in the dentate gyrus in vivo is associated with a sustained increase in extracellular glutamate. Bliss TV, et al. **Adv Exp Med Biol** 1990; 268:269–78 (24 ref.)

Changes in synaptic transmission in the kindled hippocampus. Heinemann U, et al. **Adv Exp Med Biol** 1990;268:445–50 (33 ref.)

Hepatic encephalopathy, GABA–ergic neurotransmission and benzodiazepine receptor ligands. Jones EA, et al. **Adv Exp Med Biol** 1990;272:121–34 (59 ref.)

Postsynaptic mechanisms involved in long-term potentiation. Kauer JA, et al. **Adv Exp Med Biol** 1990;268:291-9 (41 ref.)
Identifying and localizing protein kinases necessary for LTP. Malinow R, et al. **Adv Exp Med Biol** 1990;268:301-5 (14 ref.)
Different mechanisms and multiple stages of LTP. Matthies H, et al. **Adv Exp Med Biol** 1990;268:359-68 (40 ref.)
Modulation of the induction of long-term potentiation in the hippocampus. Sastry BR, et al. **Adv Exp Med Biol** 1990; 268:377-86 (60 ref.)
The role of ependymin in neuronal plasticity and LTP. Shashoua VE. **Adv Exp Med Biol** 1990;268:333-45 (59 ref.)
Roles of metabotropic and ionotropic glutamate receptors in the long-term potentiation of hippocampal mossy fiber synapses. Sugiyama H, et al. **Adv Exp Med Biol** 1990; 268:387-94 (16 ref.)
Neurotransmission in hepatic encephalopathy. Zeneroli ML, et al. **Adv Exp Med Biol** 1990;272:135-48 (75 ref.)
Recent finding on dopaminergic transmission in the basal ganglia. Glowinski J. **Adv Neurol** 1990;53:67-73 (40 ref.)
The role of MAO in dopaminergic transmission. Riederer P, et al. **Adv Neurol** 1990;53:149-53 (35 ref.)
Mechanisms underlying long-term potentiation of synaptic transmission. Madison DV, et al. **Annu Rev Neurosci** 1991; 14:379-97 (108 ref.)
The fifth Heymans memorial lecture-Ghent, February 17, 1990. Co-transmission. Burnstock G.
Arch Int Pharmacodyn Ther 1990 Mar-Apr;304:7-33 (144 ref.)
Cross-modal performance: behavioural processes, phylogenetic considerations and neural mechanisms. Ettlinger G, et al. **Behav Brain Res** 1990 Nov 30; 40(3):169-92 (111 ref.)
Glutamate in the mammalian CNS. Sahai S.
Eur Arch Psychiatry Clin Neurosci 1990;240(2):121-33 (140 ref.)
Iron in brain function and dysfunction with emphasis on Parkinson's disease. Youdim MB, et al. **Eur Neurol** 1991; 31 Suppl 1:34-40 (45 ref.)
Tryptamine may couple dopaminergic and serotonergic transmission in the brain. Juorio AV, et al.
Gen Pharmacol 1990;21(5):613-6 (49 ref.)
Magnetic stimulation of the peripheral nervous system. Evans BA. **J Clin Neurophysiol** 1991 Jan;8(1):77-84 (27 ref.)
Magnetic stimulation of cortex: clinical applications. Murray NM. **J Clin Neurophysiol** 1991 Jan;8(1):66-76 (55 ref.)
Catecholaminergic modulation and transmission in sympathetic preganglionic neurons. Nishi S.
Jpn J Physiol 1990;40(6):775-87 (50 ref.)
A new hypothesis for electrical transmission in the mammalian central nervous system. Hillman H.
Med Hypotheses 1991 Mar;34(3):220-4 (68 ref.)
Basic mechanisms in vascular headache. Moskowitz MA.
Neurol Clin 1990 Nov;8(4):801-15 (49 ref.)
Excitatory amino acids in the developing brain: ontogeny, plasticity, and excitotoxicity. Hattori H, et al.
Pediatr Neurol 1990 Jul-Aug;6(4):219-28 (100 ref.)
GABAergic and dopaminergic transmission in the rat cerebral cortex: effect of stress, anxiolytic and anxiogenic drugs. Biggio G, et al. **Pharmacol Ther** 1990;48(2):121-42 (190 ref.)
Functional studies of cotransmission. Kupfermann I.
Physiol Rev 1991 Jul;71(3):683-732 (803 ref.)
Histaminergic transmission in the mammalian brain. Schwartz JC, et al. **Physiol Rev** 1991 Jan;71(1):1-51 (838 ref.)
Effects of aging on the dynamics of information processing and synaptic weight changes in the mammalian hippocampus. Barnes CA. **Prog Brain Res** 1990;86:89-104 (94 ref.)
The regulation of quantal size. Van der Kloot W.
Prog Neurobiol 1991;36(2):93-130 (245 ref.)
Central synaptic transmission: studies at the connection between primary afferent fibres and dorsal spinocerebellar tract (DSCT) neurones in Clarke's column of the spinal cord. Walmsley B. **Prog Neurobiol** 1991;36(5):391-423 (139 ref.)
Phenylethylaminergic modulation of catecholaminergic neurotransmission. Boulton AA.
Prog Neuropsychopharmacol Biol Psychiatry 1991; 15(2):139-56 (56 ref.)
Experimental pathophysiological correlates of clinical symptomatology in peripheral neuropathic pain syndromes. Rappaport ZH, et al. **Stereotact Funct Neurosurg** 1990; 54-55:90-5 (7 ref.)
Influence of opiate systems in pain transmission during angina pectoris. Droste C. **Z Kardiol** 1990;79 Suppl 3:31-43 (181 ref.)
[The hyperarousal hypothesis: new aspects of a neurophysiologic concept of endogenous psychoses] Adler G. **Fortschr Neurol Psychiatr** 1991 Jun;59(6):203-6 (40 ref.) (Eng. Abstr.) **(Ger)**
[Magnesium in neurology] Lemke MR. **Nervenarzt** 1990 Sep; 61(9):573-5 (11 ref.) **(Ger)**
[Electrophysiologic diagnosis of peripheral nerve lesions] Görig E, et al. **Neurochirurgia (Stuttg)** 1991 Jan;34(1):18-31 (57 ref.) (Eng. Abstr.) **(Ger)**
[Neurophysiology of the enteric nervous system] Schemann M. **Z Gastroenterol Verh** 1991 Mar;26:234-5 (5 ref.) **(Ger)**
[Spinal cord evoked potentials and sensory transmission] Denda S, et al. **No To Shinkei** 1990 Dec;42(12):1155-65 (88 ref.) **(Jpn)**
[Synaptic transmission and cerebrovascular pathology] Pendefunda L. **Rev Med Chir Soc Med Nat Iasi** 1990 Jan-Mar;94(1):193-207 (52 ref.) **(Rum)**
[Current theories on the neurotropic control (review of the literature)] Khabirov FA, et al. **Zh Nevropatol Psikhiatr** 1991;91(4):113-6 (95 ref.) **(Rus)**
[Pain in children: the mechanisms of transmission and response] Marco Valls J. **Cir Pediatr** 1991 Apr;4(2):57-9 (27 ref.) (Eng. Abstr.) **(Spa)**
[Ion channels--the molecular background of neural transmission] Rorsman P, et al. **Lakartidningen** 1991 Sep 4;88(36):2868-77 (47 ref.) (Eng. Abstr.) **(Swe)**

NEURAL TUBE DEFECTS

Anencephaly: its spectrum and relationship to neural tube defects. Lemire RJ, et al. **J Craniofac Genet Dev Biol** 1990; 10(2):163-74 (64 ref.)

COMPLICATIONS

Primary primitive neuroectodermal tumor of the spinal cord associated with neural tube defect. Freyer DR, et al.
Pediatr Neurosci 1989;15(4):181-7 (36 ref.)
The incontinent myelodysplastic patient. Rudy DC, et al.
Urol Clin North Am 1991 May;18(2):295-308 (119 ref.)

DIAGNOSIS

Prenatal screening for open neural tube defects, Down's syndrome, and other major fetal disorders. Haddow JE.
Semin Perinatol 1990 Dec;14(6):488-503 (59 ref.)
[Intradural extramedullary neuro-enteric cysts without associated malformation. 3 cases with magnetic resonance imaging] Cornu P, et al. **Rev Neurol (Paris)** 1990; 146(8-9):502-7 (27 ref.) (Eng. Abstr.) **(Fre)**
[MR imaging and disorders in orthopedics] Yoshikawa K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1991 May; 65(5):382-94 (34 ref.) **(Jpn)**

EMBRYOLOGY

Neural tube defects: considerations on the pathogenesis and correlation with myelodysplasia in man. I. Embryological aspects. Di Rocco C, et al. **Fetal Ther** 1989;4 Suppl 1:92-8 (51 ref.)
The embryonic development of mammalian neural tube defects. Copp AJ, et al. **Prog Neurobiol** 1990;35(5):363-403 (280 ref.)

EPIDEMIOLOGY

The epidemiology of neural tube defects: a review of dietary intake and related factors as etiologic agents. Slattery ML, et al. **Am J Epidemiol** 1991 Mar 15;133(6):526-40 (82 ref.)
Fallacies of international and national comparisons of disease occurrence in the epidemiology of neural tube defects. Borman B, et al. **Teratology** 1990 Oct;42(4):405-12 (90 ref.)

ETIOLOGY

Neural tube defects: considerations on the pathogenesis and correlation with myelodysplasia in man. I. Embryological aspects. Di Rocco C, et al. **Fetal Ther** 1989;4 Suppl 1:92-8 (51 ref.)
Vitamin deficiencies and neural-tube defects: human and animal studies. Cockroft DL. **Hum Reprod** 1991 Jan; 6(1):148-57 (60 ref.)

THERAPY

Antenatal treatment of central nervous system defects: current and future developments in experimental therapies. Michejda M. **Fetal Ther** 1989;4 Suppl 1:108-31 (150 ref.)

NEURALGIA

DIAGNOSIS

[Glossopharyngeal neuralgia] Ratis G, et al.
Minerva Stomatol 1990 Sep;39(9):755-8 (25 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Zoster-like eruption associated with herpes simplex virus infection in children. Harel L, et al.
Clin Pediatr (Phila) 1990 Sep;29(9):539-41 (21 ref.)
Acute herpetic and postherpetic neuralgia: clinical features and management. Galer BS, et al. **Mt Sinai J Med** 1991 May;58(3):257-66 (145 ref.)
[Postherpetic neuralgia] Niimura M.
Nippon Hifuka Gakkai Zasshi 1990 Nov;100(13):1352-4 (9 ref.) **(Jpn)**

PHYSIOPATHOLOGY

Experimental pathophysiological correlates of clinical symptomatology in peripheral neuropathic pain syndromes. Rappaport ZH, et al. **Stereotact Funct Neurosurg** 1990; 54-55:90-5 (7 ref.)

PREVENTION & CONTROL

Acyclovir and postherpetic neuralgia. Klenerman P, et al.
Biomed Pharmacother 1990;44(9):455-9 (18 ref.)

SURGERY

[Idiopathic neuralgia of the glossopharyngeal nerve. Study of a series of 14 cases and review of the literature] Sindou M, et al. **Neurochirurgie** 1991;37(1):18-25 (22 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Treatment of herpes zoster and postherpetic neuralgia. Carmichael JK. **Am Fam Physician** 1991 Jul;44(1):203-10 (32 ref.)
[Therapy of herpes zoster neuralgia. Acute and residual neuralgia in herpes zoster] Malin JP. **Z Hautkr** 1990 Aug; 65(8):713-6 (19 ref.) (Eng. Abstr.) **(Ger)**

NEURAMINIDASE

DEFICIENCY

[Galactosialidosis--clinical feature] Miyashita K, et al.
No To Shinkei 1991 Mar;43(3):205-14 (68 ref.) **(Jpn)**
[Ocular findings in galactosialidosis] Usui T.
No To Shinkei 1991 Mar;43(3):231-7 (40 ref.) **(Jpn)**

PHYSIOLOGY

[Structure and properties of neuraminidase originating from various sources] Steciwko A, et al.
Postepy Hig Med Dosw 1990;44(4-6):247-54 (21 ref.) (Eng. Abstr.) **(Pol)**

NEURASTHENIA

see related
FATIGUE SYNDROME, CHRONIC

NEURENTERIC CYST see **SPINA BIFIDA OCCULTA**

NEURILEMMA

PATHOLOGY

[Myxoma of the nerve sheath. Apropos of a case] Terrier JP, et al. **Rev Stomatol Chir Maxillofac** 1990;91(5):379-84 (36 ref.) (Eng. Abstr.) **(Fre)**

NEURILEMMOMA

Schwannoma of the submandibular gland. Diaz DD, et al.
Head Neck 1991 May-Jun;13(3):239-42 (13 ref.)
Glossopharyngeal schwannoma: review of five cases and the literature. Sweasey TA, et al. **Surg Neurol** 1991 Feb; 35(2):127-30 (17 ref.)
Neurinoma of the spinal accessory nerve: report of a case. Chang KC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1990 Jul; 89(7):593-7 (25 ref.)

COMPLICATIONS

[Malignant schwannoma as a cause of Addison's disease] de las Heras Niño B, et al. **An Med Interna** 1989 Aug; 6(8):435-6 (13 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

A benign tumor of the sciatic nerve: case report and review of the literature. Dubuisson A, et al. **Acta Neurol Belg** 1991; 91(1):5-11 (20 ref.)
Vagal schwannoma. Heitmiller RF, et al.
Ann Thorac Surg 1990 Nov;50(5):811-3 (7 ref.)
Solitary dorsal intramedullary schwannoma. Case report. Herregodts P, et al. **J Neurosurg** 1991 May;74(5):816-20 (37 ref.)
[Nervous tumors of the infratemporal fossa] Beauvillain C, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(2):107-11 (20 ref.) (Eng. Abstr.) **(Fre)**
[Tumors of the cerebellopontine angle. Fortuitous association of meningioma and neurinoma] Thomassin JM, et al.
Ann Otolaryngol Chir Cervicofac 1991;108(4):248-52 (15 ref.) (Eng. Abstr.) **(Fre)**
[2 cases of neurinoma of the mastoidal portion of the facial nerve: diagnostic contribution of MRI] Truy E, et al.
Rev Laryngol Otol Rhinol (Bord) 1991;112(3):223-7 (23 ref.) (Eng. Abstr.) **(Fre)**
[A case of duodenal schwannoma] Mishina Y, et al.
Nippon Shokakibyo Gakkai Zasshi 1991 Mar;88(3):745-8 (8 ref.) **(Jpn)**
[A case of retroperitoneal schwannoma mimicking a cystadenoma of the pancreas] Obara T, et al.
Nippon Shokakibyo Gakkai Zasshi 1990 Aug;87(8):1717-20 (16 ref.) **(Jpn)**

EPIDEMIOLOGY

A case of funicular schwannoma. Romics I, et al.
Acta Chir Hung 1990;31(2):187-9 (16 ref.)

PATHOLOGY

Malignant glandular triton tumor. Wong SY, et al.
Cancer 1991 Feb 15;67(4):1076-83 (22 ref.)
Neurilemmoma of the mental nerve. Artzi Z, et al.
J Oral Maxillofac Surg 1991 Feb;49(2):196-200 (41 ref.)
[Clinical pathology of olfactory neurinomas in the light of current literature] Loba E, et al. **Otolaryngol Pol** 1990; 44(1):43-8 (22 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

[A case of intracranial hypoglossal neurinoma with no preoperative hypoglossal nerve palsy] Yamaguchi F, et al. **No Shinkei Geka** 1990 Oct;18(10):963–7 (11 ref.) (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Tracheal neurilemmoma: case report and review of the literature. Stack PS, et al. **Head Neck** 1990 Sep–Oct; 12(5):436–9 (27 ref.)

SURGERY

Sixth nerve schwannomas. Report of two cases. Tung H, et al. **J Neurosurg** 1991 Oct;75(4):638–41 (15 ref.)

[Subfrontal schwannoma: a case report] Nagao S, et al. **No Shinkei Geka** 1991 Jan;19(1):47–51 (25 ref.) (Eng. Abstr.) **(Jpn)**

[Sacrectomy at the level of S2 in schwannoma of the sacral region. Case report and review of the literature] Nowacki MP, et al. **Nowotwory** 1990 Jul–Sep;40(3):201–6 (15 ref.) (Eng. Abstr.) **(Pol)**

THERAPY

[Malignant retroperitoneal schwannoma not associated with von Recklinghausen syndrome] Giori A. **G Chir** 1988 Feb; 9(2):93–6 (20 ref.) (Eng. Abstr.) **(Ita)**

ULTRASTRUCTURE

Melanotic schwannoma of the orbit. Immunohistochemical and ultrastructural study of a case and survey of the literature. Jensen OA, et al. **APMIS** 1990 Aug;98(8):713–23 (47 ref.)

NEURILEMMOMA, ACOUSTIC see **NEUROMA, ACOUSTIC**

NEURITIS

Optic chiasmal neuritis. Newman NJ, et al. **Neurology** 1991 Aug;41(8):1203–10 (32 ref.)

[Necessary methodologies for research advancements in leprous neuritis] Carayon A. **Acta Leprol** 1990;7(2):193–7 (42 ref.) **(Fre)**

COMPLICATIONS

Neuroeffector functions of sensory fibres: implications for headache mechanisms and drug actions. Moskowitz MA, et al. **J Neurol** 1991;238 Suppl 1:S18–22 (29 ref.)

[Bilateral radial nerve paralysis. Diagnostic and differential diagnostic aspects] Sturzenegger M, et al. **Schweiz Med Wochenschr** 1990 Sep 15;120(37):1325–34 (53 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

[Neuritis and neuroma of the sensory branches of the radial nerve. Apropos of 44 cases] Foucher G, et al. **Ann Chir Main Memb Super** 1991;10(2):108–12 (26 ref.) (Eng. Abstr.) **(Fre)**

NEUROANATOMY

METHODS

Mapping neuropeptide-containing pathways in the brain with special reference to data obtained from the rat limbic system. Arluison M, et al. **Int Rev Cytol** 1990;123:1–38 (205 ref.)

The Phaseolus vulgaris–leucoagglutinin tracing technique for the study of neuronal connections. Wouterlood FG, et al. **Prog Histochem Cytochem** 1991;22(1):1–78 (204 ref.)

TRENDS

[Swift development of neurology] Grillner S, et al. **Lakartidningen** 1990 Sep 5;87(36):2777–8, 2781–6 (42 ref.) **(Swe)**

NEUROBIOLOGY

[The study of the neurobiological bases of complex unconditioned reflexes at the I. P. Pavlov Physiology Department. The results of recent years] Petrov ES. **Fiziol Zh SSSR** 1990 Dec;76(12):1669–81 (30 ref.) **(Rus)**

HISTORY

Neurobiology a century ago at the Marine Biological Laboratory, Woods Hole. Maienschein J. **Trends Neurosci** 1990 Oct;13(10):399–403 (22 ref.)

TRENDS

[Swift development of neurology] Grillner S, et al. **Lakartidningen** 1990 Sep 5;87(36):2777–8, 2781–6 (42 ref.) **(Swe)**

NEUROBLASTOMA

Late recurrence of neuroblastoma: a report of five cases and review of the literature. Cervera A, et al. **Pediatr Hematol Oncol** 1990;7(4):311–22 (30 ref.)

[Neuroblastoma—clinical and genetic aspects] Gershoni-Baruch R, et al. **Harefuah** 1989 Sep; 117(5–6):149–51 (43 ref.) **(Heb)**

COMPLICATIONS

Neurocytoma accompanied by intraventricular hemorrhage: case report and literature review. Smoker WR, et al. **AJNR Am J Neuroradiol** 1991 Jul–Aug;12(4):765–70 (11 ref.)

Hemifacial spasm in an infant due to fourth ventricular ganglioglioma. Case report. Bills DC, et al. **J Neurosurg** 1991 Jul;75(1):134–7 (24 ref.)

CONGENITAL

[Congenital neuroblastoma] Gonzálvez J, et al. **Cir Pediatr** 1988 Jan;1(1):35–8 (17 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Markers of central nervous system tumors. Birkmayer GD. **Immunol Ser** 1990;53:317–22 (32 ref.)

Abdominal masses in children: neuroblastoma, Wilms tumor, and other considerations. Brodeur AE, et al. **Pediatr Rev** 1991 Jan;12(7):196–207 (15 ref.)

DRUG THERAPY

Neuroblastoma: a neurochemical approach. Schor NF. **J Child Neurol** 1991 Jul;6(3):220–8 (32 ref.)

Chemotherapy dose intensity correlates strongly with response, median survival, and median progression-free survival in metastatic neuroblastoma [see comments] Cheung NV, et al. **J Clin Oncol** 1991 Jun;9(6):1050–8 (72 ref.) Comment in: J Clin Oncol 1991 Jun;9(6):902–4.

Neuroblastoma—an overview of laboratory studies aimed at inducing tumor regression by initiation of differentiation or administration of antitumor drugs. Hill BT. **Pediatr Hematol Oncol** 1986;3(1):73–88 (46 ref.)

GENETICS

Enhanced expression of the cellular oncogene MYCN and progression of human neuroblastoma. Schwab M. **Adv Enzyme Regul** 1991;31:329–38 (38 ref.)

src expression in small-cell lung carcinoma and other neuroendocrine malignancies. Påhlman S, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S54–6 (33 ref.)

Pediatric peripheral neuroectodermal tumors, oncogenes, and differentiation. Thiele CJ. **Cancer Invest** 1990;8(6):629–39 (66 ref.)

Neuroblastoma: clinical significance of genetic abnormalities. Brodeur GM. **Cancer Surv** 1990;9(4):673–88 (63 ref.)

Oncogenes and cancer: clinical applications. Fishleder AJ. **Cleve Clin J Med** 1990 Nov–Dec;57(8):721–6 (35 ref.)

Neuroblastoma, retinoblastoma, and brain tumors in children. Brodeur GM, et al. **Curr Opin Oncol** 1991 Jun;3(3):485–96 (74 ref.)

Insulin-like growth factor II gene expression in human neuroblastoma. el-Badry OM. **Prog Clin Biol Res** 1991; 366:249–56 (25 ref.)

Is there a neuroblastoma anti-oncogene? Schwab M. **Prog Clin Biol Res** 1991;366:1–9 (15 ref.)

Neuroblastoma and the clinical significance of N-myc oncogene amplification. Phillips WS, et al. **Surg Gynecol Obstet** 1991 Jan;172(1):73–80 (71 ref.)

IMMUNOLOGY

The spontaneous regression of neuroblastoma. Experimental evidence for a natural host immunity. Bolande RP. **Pathol Annu** 1991;26 Pt 2:187–99 (39 ref.)

PATHOLOGY

Human neuroblastoma cells in culture: a model for neuronal cell differentiation and function. Påhlman S, et al. **Acta Physiol Scand Suppl** 1990;592:25–37 (63 ref.)

Differential distribution of cytoskeletal elements upon differentiation of human neuroblastoma cells: expression of a unique MAP2 species. Kirsch J, et al. **Prog Clin Biol Res** 1991;366:327–33 (15 ref.)

Primitive neuroectodermal tumors (PNETs) of the CNS and PNS that express functional nerve growth factor receptors (NGFR) but fail to differentiate in response to NGF. Reddy UR, et al. **Prog Clin Biol Res** 1991;366:243–8 (31 ref.)

Neural and neuroendocrine phenotype of neuroblastomas, ganglioneuroblastomas, ganglioneuromas and mature versus embryonic human adrenal medullary cells. Trojanowski JQ, et al. **Prog Clin Biol Res** 1991;366:335–41 (4 ref.)

PHYSIOPATHOLOGY

Phosphoinositides and synaptic function in NG108-15 neuroblastoma x glioma hybrid cells. Higashida H, et al. **Comp Biochem Physiol [C]** 1991;98(1):129–37 (48 ref.)

PREVENTION & CONTROL

Do children benefit from mass screening for neuroblastoma? Consensus Statement from the American Cancer Society Workshop on Neuroblastoma Screening. Murphy SB, et al. **Lancet** 1991 Feb 9;337(8737):344–6 (11 ref.)

Mass screening for neuroblastoma in Japan. Sawada T, et al. **Pediatr Hematol Oncol** 1991 Apr–Jun;8(2):93–109 (49 ref.)

SECONDARY

Cutaneous and subcutaneous neuroblastoma in children and adults: case reports and population study. Klapman MH, et al. **J Am Acad Dermatol** 1991 Jun;24(6 Pt 1):1025–7 (13 ref.)

SURGERY

Immunomagnetic purging of bone marrow: a model for negative cell selection. Pole JG, et al. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):257–61 (15 ref.)

Did BMT change the clinical course of neuroblastoma? Lanino E, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:114–7 (20 ref.)

[Cerebellar ganglioglioma: a case report] Kimura M, et al. **No Shinkei Geka** 1990 Sep;18(9):861–5 (24 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Immunotherapy. Neuroblastoma as a model. Cheung NK. **Pediatr Clin North Am** 1991 Apr;38(2):425–41 (88 ref.)

[Progress in the treatment of advanced neuroblastoma] Dłużniewska A, et al. **Pol Tyg Lek** 1990 May 21–28; 45(21–22):446–9 (36 ref.) **(Pol)**

[Treatment of neuroblastoma] Javier G, et al. **Med Clin (Barc)** 1991 Mar 30;96(12):467–70 (37 ref.) **(Spa)**

NEUROCHEMISTRY

INSTRUMENTATION

Optimization of LC apparatus for determinations in neurochemistry with an emphasis on microdialysis samples. Kissinger PT, et al. **J Neurosci Methods** 1990 Sep; 34(1–3):3–10 (17 ref.)

NEUROCIRCULATORY ASTHENIA

DIAGNOSIS

[Functional cardiovascular syndromes] Werner A, et al. **Internist (Berl)** 1991 Jan;32(1):12–8 (33 ref.) **(Ger)**

NEURODERMATITIS

DRUG THERAPY

[Clinical experiences of interval treatment with dermatologic agents containing urea] Petres J, et al. **Z Hautkr** 1990 Aug; 65(8):740–5 (46 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Neurodermatitis in childhood. Differential diagnosis—complications— therapy] Otto J, et al. **Fortschr Med** 1991 Feb 28;109(6):141–4 (6 ref.) (Eng. Abstr.) **(Ger)**

NEURODERMATITIS, ATOPIC see **DERMATITIS, ATOPIC**

NEURODERMATITIS, DISSEMINATED see **DERMATITIS, ATOPIC**

NEUROEFFECTOR JUNCTION

PHYSIOLOGY

Prejunctional control of excitatory neuroeffector transmission by prostaglandins in the airway smooth muscle tissue. Ito Y. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S6–10 (39 ref.)

PHYSIOPATHOLOGY

Neuroeffector functions of sensory fibres: implications for headache mechanisms and drug actions. Moskowitz MA, et al. **J Neurol** 1991;238 Suppl 1:S18–22 (29 ref.)

NEUROENDOCRINE SYSTEM see **NEUROSECRETORY SYSTEMS**

NEUROENDOCRINOLOGY

Rapid membrane effects of steroid hormones: an emerging concept in neuroendocrinology. Schumacher M. **Trends Neurosci** 1990 Sep;13(9):359–62 (48 ref.)

NEUROEPITHELIOMA

Olfactory neuroblastoma (esthesioneuroblastoma) in a 2-year-old boy. Woerner SJ, et al. **Pediatr Hematol Oncol** 1986;3(2):167–74 (33 ref.)

CHEMISTRY

Basic fibroblast growth factor and somatomedin C in human medulloepithelioma. Shiurba RA, et al. **Cancer** 1991 Aug 15;68(4):798–808 (102 ref.)

NEUROEPITHELIOMA

DIAGNOSIS

[Peripheral neuroepithelioma] Moreno-Gimenez JC, et al. **Ann Dermatol Venereol** 1990;117(12):945-7 (12 ref.) **(Fre)**

[Olfactory esthesioneuroblastoma (we present 4 cases from our service)] Cejas Méndez L, et al. **Acta Otorrinolaringol Esp** 1991 May-Jun;42(3):193-7 (10 ref.) (Eng. Abstr.) **(Spa)**

[Olfactory neuroblastoma. A clinical and morphological study] Garín L, et al. **Acta Otorrinolaringol Esp** 1991 May-Jun;42(3):205-9 (19 ref.) (Eng. Abstr.) **(Spa)**

GENETICS

Cytogenetic analysis of primitive neuroectodermal tumors. Absence of the t(11;22) in two of three cases and a review of the literature. Gorman PA, et al. **Cancer Genet Cytogenet** 1991 Jan;51(1):13-22 (13 ref.)

Pediatric peripheral neuroectodermal tumors, oncogenes, and differentiation. Thiele CJ. **Cancer Invest** 1990;8(6):629-39 (66 ref.)

PATHOLOGY

Primitive neuroectodermal tumors (PNETs) of the CNS and PNS that express functional nerve growth factor receptors (NGFR) but fail to differentiate in response to NGF. Reddy UR, et al. **Prog Clin Biol Res** 1991;366:243-8 (31 ref.)

[Cerebral medulloepithelioma. Apropos of a case and review of 20 cases in the literature] Kchir N, et al. **Arch Anat Cytol Pathol** 1991;39(1-2):22-6 (31 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Esthesioneuroblastoma: is there a role for elective neck treatment? Beitler JJ, et al. **Head Neck** 1991 Jul-Aug; 13(4):321-6 (30 ref.)

NEUROFIBRILS

PATHOLOGY

Vulnerability of the neuronal cytoskeleton in aging and Alzheimer disease: widespread involvement of all three major filament systems. Trojanowski JQ, et al. **Annu Rev Gerontol Geriatr** 1990;10:167-82 (59 ref.)

[Pathology of the cytoskeleton in Alzheimer's disease and disorders related to this disease] Seitelberg F, et al. **Gac Med Mex** 1990 Sep-Oct;126(5):367-73 (16 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Neurofibrillary proliferation revisited. Shelanski ML. **Adv Neurol** 1991;56:75-9 (31 ref.)

ULTRASTRUCTURE

Structural aspects of pathology in Alzheimer's disease. Crowther RA. **Biochim Biophys Acta** 1990 Nov 14; 1096(1):1-9 (50 ref.)

NEUROFIBROMA

DIAGNOSIS

A benign tumor of the sciatic nerve: case report and review of the literature. Dubuisson A, et al. **Acta Neurol Belg** 1991; 91(1):5-11 (20 ref.)

Neurofibroma of the clitoris. A case report. Nishimura K, et al. **Urol Int** 1991;46(1):109-11 (17 ref.)

[Nervous tumors of the infratemporal fossa] Beauvillain C, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(2):107-11 (20 ref.) (Eng. Abstr.) **(Fre)**

[Neurofibroma of the mandible. A review of the literature and a clinical case report] Bocca M, et al. **Minerva Stomatol** 1990 Aug;39(8):675-7 (16 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

Giant neurofibroma of the pectoral region including the breast. Case report. Laky D, et al. **Morphol Embryol (Bucur)** 1990 Jul-Dec;36(3-4):213-5 (7 ref.)

[A case of neurofibroma of the vagina. Review of the literature] Iloki LH, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991;20(4):507-10 (21 ref.) (Eng. Abstr.) **(Fre)**

[Neurofibroma originated from the intrathoracic vagal nerve in a patient with von Recklinghausen's disease--a case report] Matsukuma S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Jul;38(7):1188-91 (24 ref.) (Eng. Abstr.) **(Jpn)**

NEUROFIBROMATOSIS

The gynaecological problems of neurofibromatosis. Blickstein I, et al. **Aust N Z J Obstet Gynaecol** 1990 Nov; 30(4):380-2 (20 ref.)

Neurofibromatosis update. Riccardi VM. **Neurofibromatosis** 1989;2(5-6):284-91 (26 ref.)

[Recklinghausen's disease] Landat F, et al. **Rev Stomatol Chir Maxillofac** 1991;92(1):51-7 (13 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Hypophosphatemic osteomalacia in von Recklinghausen neurofibromatosis. Konishi K, et al. **Am J Med Sci** 1991 May;301(5):322-8 (45 ref.)

Surgical treatment of colonic ganglioneuromatosis in neurofibromatosis. Urschel JD, et al. **Can J Surg** 1991 Jun; 34(3):271-6 (25 ref.)

The neurofibromatosis-Noonan syndrome: genetic heterogeneity versus clinical variability. Case report and review of the literature. Borochowitz Z, et al. **Neurofibromatosis** 1989;2(5-6):309-14 (24 ref.)

Anterior sacral meningocele and tuberculous spondylitis of the sacrum in a patient with neurofibromatosis. Case report and review of the literature. Mellion BT, et al. **Neurofibromatosis** 1989;2(5-6):299-308 (44 ref.)

Subarachnoid hemorrhage from multiple neurofibromas of the cauda equina: case report. Bruni P, et al. **Neurosurgery** 1991 Jun;28(6):910-3 (31 ref.)

[Tumor of the fourth ventricle revealed by brain MRI in Recklinghausen's disease] Petiot A, et al. **Ann Dermatol Venereol** 1990;117(6-7):445-8 (13 ref.) **(Fre)**

[Neurinoma of the 8th cranial nerve. Surgical indications in neurofibromatosis] Poignonec S, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(4):231-5; 235-6 (8 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Prenatal diagnosis of the neurofibromatoses. Pulst SM. **Clin Perinatol** 1990 Dec;17(4):829-44 (31 ref.)

[Von Recklinghausen's disease of atypical form (letter)] Béquet D, et al. **Ann Med Interne (Paris)** 1990; 141(7):619-20 (13 ref.) **(Fre)**

[Neurofibromatosis--new clinical and molecular genetic aspects] Froster-Iskenius UG, et al. **Hautarzt** 1991 May; 42(5):279-83 (18 ref.) (Eng. Abstr.) **(Ger)**

[Neurofibromatosis: current clinical and molecular genetic aspects from the neurologic viewpoint] Mautner VF, et al. **Nervenarzt** 1991 Jun;62(6):340-8 (53 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

The NF1 translocation breakpoint region. O'Connell P, et al. **Ann N Y Acad Sci** 1991;615:319-31 (32 ref.)

Progress towards the isolation and characterization of the genes causing neurofibromatosis. Menon AG, et al. **Cancer Surv** 1990;9(4):689-702 (34 ref.)

Genetic alterations and growth factors in the pathogenesis of von Recklinghausen neurofibromatosis. Riccardi VM. **Neurofibromatosis** 1989;2(5-6):292-8 (55 ref.)

PATHOLOGY

[Neurofibroma originated from the intrathoracic vagal nerve in a patient with von Recklinghausen's disease--a case report] Matsukuma S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Jul;38(7):1188-91 (24 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Optic pathway gliomas in neurofibromatosis. Dunn DW, et al. **Dev Med Child Neurol** 1990 Sep;32(9):820-4 (25 ref.)

NEUROFIBROMATOSIS, CENTRAL, NF-2 see **NEUROMA, ACOUSTIC**

NEUROFIBROMATOSIS, PERIPHERAL, NF-1 see **NEUROFIBROMATOSIS**

NEUROFILAMENTS see **INTERMEDIATE FILAMENTS**

NEUROGLIA

CHEMISTRY

Neurocytogenesis and tumor development in the rat. Giordana MT. **J Neurosurg Sci** 1990 Jul-Dec; 34(3-4):167-70 (23 ref.)

CYTOLOGY

The third glial cell type, the microglia: cellular markers of activation in situ. Graeber MB, et al. **Acta Histochem Suppl** 1990;38:157-60 (17 ref.)

Glial cell lineage in the cerebral cortex: a review and synthesis. Cameron RS, et al. **GLIA** 1991;4(2):124-37 (187 ref.)

Enteric glia. Gershon MD, et al. **GLIA** 1991;4(2):195-204 (73 ref.)

Tracing glial cell lineages in the mammalian forebrain. Goldman JE, et al. **GLIA** 1991;4(2):149-56 (50 ref.)

The diversity and pattern of glia during axon pathway formation in the Drosophila embryo. Klämbt C, et al. **GLIA** 1991;4(2):205-13 (37 ref.)

Glial cell lineages in the neural crest. Le Douarin N, et al. **GLIA** 1991;4(2):175-84 (47 ref.)

METABOLISM

Synthesis of transmitter glutamate and the glial-neuron interrelationship. Torgner I, et al. **Mol Chem Neuropathol** 1990 Jan;12(1):11-7 (35 ref.)

MICROBIOLOGY

HIV-1, macrophages, glial cells, and cytokines in AIDS nervous system disease. Merrill JE, et al. **FASEB J** 1991 Jul;5(10):2391-7 (103 ref.)

PATHOLOGY

Low-grade immature teratomas with peritoneal gliomatosis; a case report. Gratama S, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 May 10; 39(3):235-41 (14 ref.)

[Histological characteristics of the reactions of cerebral neuroglia in laboratory animals] Kvitnitskil-Ryzhov IuN, et al. **Arkh Anat Gistol Embriol** 1990 Sep;99(9):5-19 (75 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Neural repair and glial proliferation: parallels with gliogenesis in insects. Smith PJ, et al. **Bioessays** 1991 Feb;13(2):65-72 (42 ref.)

Mechanisms of glial-guided neuronal migration in vitro and in vivo. Hatten ME, et al. **Experientia** 1990 Sep 15; 46(9):907-16 (63 ref.)

Glial influences on axonal growth in the primary olfactory system. Doucette R. **GLIA** 1990;3(6):433-49 (122 ref.)

Repair of central nervous system lesions by glial cells immortalised with an oncogene-carrying retrovirus. Trotter J, et al. **Schweiz Arch Neurol Psychiatr** 1991; 142(2):102-4 (8 ref.)

RADIATION EFFECTS

Radiosensitivity of glial progenitor cells of the perinatal and adult rat optic nerve studied by an in vitro clonogenic assay. van der Maazen RW, et al. **Radiother Oncol** 1991 Apr;20(4):258-64 (28 ref.)

TRANSPLANTATION

Transplantation of glial cell cultures into areas of demyelination in the adult CNS. Blakemore WF, et al. **Prog Brain Res** 1990;82:225-32 (24 ref.)

NEUROHEMAL ORGAN see **NEUROSECRETORY SYSTEMS**

NEUROHUMOR RECEPTORS see **RECEPTORS, NEUROHUMOR**

NEUROHUMORS see **NEUROREGULATORS**

NEUROHYPOPHYSIS see **PITUITARY GLAND, POSTERIOR**

NEUROIMMUNE PROCESSES see **NEUROIMMUNOMODULATION**

NEUROIMMUNOMODULATION

Immunopathology and viral reactivation. A general theory of schizophrenia. Waltrip RW 2d, et al. **J Nerv Ment Dis** 1990 Dec;178(12):729-38 (162 ref.)

Immunoregulators in the nervous system. Plata-Salamán CR. **Neurosci Biobehav Rev** 1991 Summer;15(2):185-215 (623 ref.)

GENETICS

Genetic variation in the stress response: susceptibility to experimental allergic encephalomyelitis and implications for human inflammatory disease. Mason D. **Immunol Today** 1991 Feb;12(2):57-60 (39 ref.)

IMMUNOLOGY

[Normal and pathological neuroimmune relations (a review of the literature)] Tkachenko EV. **Vrach Delo** 1990 Sep; (9):64-9 (72 ref.) **(Rus)**

PHYSIOLOGY

Neurotransmitter signaling of cells of the immune system: important progress, major gaps. Felten DL. **Brain Behav Immun** 1991 Mar;5(1):2-8 (0 ref.)

Innervation of the rat thymus gland. Kendall MD, et al. **Brain Behav Immun** 1991 Mar;5(1):9-28 (59 ref.)

Substance P innervation of spleen in rats: nerve fibers associate with lymphocytes and macrophages in specific compartments of the spleen. Lorton D, et al. **Brain Behav Immun** 1991 Mar;5(1):29-40 (77 ref.)

Interrelation of peptidergic innervation with mast cells and ED1-positive cells in rat thymus. Müller S, et al. **Brain Behav Immun** 1991 Mar;5(1):55-72 (97 ref.)

The neuroimmune link in the bronchus-associated lymphoid tissue (BALT) of cat and rat: peptides and neural markers. Nohr D, et al. **Brain Behav Immun** 1991 Mar;5(1):84-101 (70 ref.)

The neuroimmune connection in human tonsils. Weihe E, et al. **Brain Behav Immun** 1991 Mar;5(1):41-54 (69 ref.)

The neuro-B cell link of peptidergic innervation in the Bursa Fabricii. Zentel HJ, et al. **Brain Behav Immun** 1991 Mar; 5(1):132-47 (56 ref.)

Regulatory links between immune and neuroendocrine systems. Besedovsky H, et al. **Immunol Ser** 1989;45:479-90 (78 ref.)

Is interleukin 2 a neuromodulator in the brain? Nisticò G, et al. **Trends Neurosci** 1991 Apr;14(4):146–50 (56 ref.)

NEUROKININ A see **SUBSTANCE K**

NEUROKININ B see **NEUROKININ K**

NEUROKININ K

Neurokinin A and B. Munekata E.
Comp Biochem Physiol [C] 1991;98(1):171–9 (58 ref.)

NEUROLEPTANALGESIA

TRENDS

[30 years of neuroleptanalgesia—the current status] Henschel WF. **Anaesthesiol Reanim** 1990;15(5):267–78 (38 ref.) (Eng. Abstr.) **(Ger)**

NEUROLEPTIC MALIGNANT SYNDROME

Neuroleptic malignant syndrome. Turk J, et al.
Arch Dis Child 1991 Jan;66(1):91–2 (12 ref.)
The neuroleptic malignant syndrome. Tsoi WF.
Singapore Med J 1990 Aug;31(4):299–302 (20 ref.)
[Malignant post-neuroleptic syndrome] Kwiecińska E.
Pol Tyg Lek 1989 Nov 13–27;44(46–48):973–5 (31 ref.) **(Pol)**

DIAGNOSIS

[Clinico-therapeutic observations in the neuroleptic malignant syndrome] Grecu G, et al.
Rev Med Interna Neurol Psihiatr Neurochir Dermatovenerol Neurol Psihiatr Neurochir 1989 Oct–Dec;34(4):267–76 (50 ref.) (Eng. Abstr.) **(Rum)**

ETIOLOGY

Neuroleptic malignant syndrome. When levodopa withdrawal is the cause. Rainer C, et al. **Postgrad Med** 1991 Apr;89(5):175–8, 180 (12 ref.)
[Neuroleptic malignant syndrome] Sczesni B, et al.
Wien Klin Wochenschr 1991;103(1):1–7 (28 ref.) (Eng. Abstr.) **(Ger)**
[A case of metoclopramide-induced neuroleptic malignant syndrome with cerebrospinal fluid lactic acidosis] Nagashima A, et al. **No To Shinkei** 1991 Apr;43(4):387–92 (28 ref.) (Eng. Abstr.) **(Jpn)**
[Successful treatment of levodopa-induced neuroleptic malignant syndrome (NMS) with disseminated intravascular coagulation (DIC) in a patient with Parkinson's disease] Yamawaki Y, et al.
Rinsho Shinkeigaku 1991 Jan;31(1):62–7 (30 ref.) (Eng. Abstr.) **(Jpn)**
[The neuroleptic syndrome in the light of behavioral neurochemistry (a discussion)] Rotenberg VS.
Zh Nevropatol Psikhiatr 1991;91(3):124–6 (22 ref.) **(Rus)**

PHYSIOPATHOLOGY

The neuroleptic malignant syndrome. Dickey W.
Prog Neurobiol 1991;36(5):425–36 (195 ref.)

THERAPY

Neuroleptic malignant syndrome: controversies in treatment. Schneider SM. **Am J Emerg Med** 1991 Jul;9(4):360–2 (37 ref.)

NEUROLEPTICS see **TRANQUILIZING AGENTS, MAJOR**

NEUROLOGIC EXAMINATION

Neurologic assessment. Sullivan J. **Nurs Clin North Am** 1990 Dec;25(4):795–804 (3 ref.)
[Neurologic aspects of clinical manifestations, pathophysiology and therapy of reflex sympathetic dystrophy (causalgia, Sudeck's disease)] Blumberg H, et al. **Nervenarzt** 1991 Apr;62(4):205–11 (32 ref.) (Eng. Abstr.) **(Ger)**

METHODS

[Drug therapy of supranuclear eye movement disorders] Straube A, et al. **Nervenarzt** 1991 Apr;62(4):212–20 (84 ref.) **(Ger)**

NEUROLOGIC MODELS see **MODELS, NEUROLOGICAL**

NEUROLOGY

see related
NERVOUS SYSTEM DISEASES

[Neurology and theology—on the genesis of metaphysical anemia] Wikström O. **Lakartidningen** 1991 Aug 21;88(34):2680–1 (15 ref.) **(Swe)**

LEGISLATION & JURISPRUDENCE

Legal issues in the practice of neurology and neurosurgery. Benoit BG, et al. **Can J Neurol Sci** 1990 Nov;17(4):434–9 (9 ref.)

METHODS

Antibodies in the neurology clinic. Steck AJ. **Neurology** 1990 Oct;40(10):1489–92 (51 ref.)
A perspective on the selection of experimental models. Irving GW 3d. **Neurosci Biobehav Rev** 1991 Spring;15(1):15–20 (25 ref.)
Essential roles for animal models in understanding human toxicities. Russell RW. **Neurosci Biobehav Rev** 1991 Spring; 15(1):7–11 (44 ref.)
The Willis lecture: transient ischemic attacks, scientific method, and new realities. Toole JF. **Stroke** 1991 Jan; 22(1):99–104 (61 ref.)

TRENDS

Ten central themes in a decade of ALS research. Rowland LP. **Adv Neurol** 1991;56:3–23 (174 ref.)
1990 Richardson Lecture. Challenges for neurology in the nineties: will we survive? Martin JB. **Can J Neurol Sci** 1991 Feb;18(1):1–6 (46 ref.)
Applications of immortalized cells in basic and clinical neurology. Geller HM, et al. **J Cell Biochem** 1991 Mar; 45(3):279–83 (44 ref.)
Neuroscience in Yugoslavia. Kostović I, et al.
Trends Neurosci 1991 May;14(5):171–5 (5 ref.)
[The most important results and prospective trends in scientific research in the field of clinical neurology 1988–1989 (review of the literature)] Vereshchagin NV, et al. **Zh Nevropatol Psikhiatr** 1990;90(11):131–6 (88 ref.) **(Rus)**
[Swift development of neurology] Grillner S, et al.
Lakartidningen 1990 Sep 5;87(36):2777–8, 2781–6 (42 ref.) **(Swe)**

NEUROLYMPHOMATOSIS see **MAREK'S DISEASE**

NEUROLYMPHOMATOSIS VIRUS see **MAREK'S DISEASE VIRUS**

NEUROMA

SURGERY

Hypoglossal neuroma following excision of a huge recurrent acoustic neuroma and facio-hypoglossal anastomosis. A complex management problem. Bordi L, et al.
Acta Neurochir (Wien) 1990;104(3–4):143–6 (13 ref.)

THERAPY

[Neuritis and neuroma of the sensory branches of the radial nerve. Apropos of 44 cases] Foucher G, et al.
Ann Chir Main Memb Super 1991;10(2):108–12 (26 ref.) (Eng. Abstr.) **(Fre)**

NEUROMA, ACOUSTIC

DIAGNOSIS

Prenatal diagnosis of the neurofibromatoses. Pulst SM.
Clin Perinatol 1990 Dec;17(4):829–44 (31 ref.)
Neurofibromatosis type 2: report of a family and review of current evaluation and treatment. McKennan KX, et al.
Laryngoscope 1991 Feb;101(2):109–13 (12 ref.)
Good hearing-conservation program detects impairment and saves lives. Sataloff RT, et al. **Occup Health Saf** 1991 Apr; 60(4):46, 48–50 (20 ref.)
The diagnosis and evaluation of acoustic neuromas. Shiffman F, et al. **Otolaryngol Clin North Am** 1973 Feb;6(1):189–228 (35 ref.)
[Von Recklinghausen's disease of atypical form (letter)] Béquet D, et al. **Ann Med Interne (Paris)** 1990; 141(7):619–20 (13 ref.) **(Fre)**
[Neurofibromatosis—new clinical and molecular genetic aspects] Froster-Iskenius UG, et al. **Hautarzt** 1991 May; 42(5):279–83 (18 ref.) (Eng. Abstr.) **(Ger)**
[Neurofibromatosis: current clinical and molecular genetic aspects from the neurologic viewpoint] Mautner VF, et al. **Nervenarzt** 1991 Jun;62(6):340–8 (53 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

Molecular genetics of neurofibromatosis 2 and related tumors (acoustic neuroma and meningioma). Fontaine B, et al.
Ann N Y Acad Sci 1991;615:338–43 (19 ref.)
Progress towards the isolation and characterization of the genes causing neurofibromatosis. Menon AG, et al.
Cancer Surv 1990;9(4):689–702 (34 ref.)

RADIOGRAPHY

Central neurofibromatosis. Case report and review of the literature. Turgut M, et al. **Eur Neurol** 1991;31(4):188–92 (17 ref.)
The diagnosis of acoustic neuromas. Valvassori GE.
Otolaryngol Clin North Am 1973 Jun;6(2):391–400 (11 ref.)

SURGERY

Hypoglossal neuroma following excision of a huge recurrent acoustic neuroma and facio-hypoglossal anastomosis. A complex management problem. Bordi L, et al.
Acta Neurochir (Wien) 1990;104(3–4):143–6 (13 ref.)
[Neurinoma of the 8th cranial nerve. Surgical indications in neurofibromatosis] Poignonec S, et al.
Ann Otolaryngol Chir Cervicofac 1990;107(4):231–5; 235–6 (8 ref.) (Eng. Abstr.) **(Fre)**
[Surgery of acoustic neurinoma. Apropos of a personal series. Development of techniques and results] Charachon R, et al. **Rev Laryngol Otol Rhinol (Bord)** 1989;110(1):43–9 (15 ref.) (Eng. Abstr.) **(Fre)**
[Acute hearing loss in the contralateral ear after acoustic tumor removal] Harada K, et al.
Nippon Jibiinkoka Gakkai Kaiho 1990 Nov;93(11):1864–8 (12 ref.) (Eng. Abstr.) **(Jpn)**
[The preservation of hearing in surgery for acoustic neurinoma] Arraez MA, et al. **Acta Otorrinolaringol Esp** 1991 May–Jun;42(3):201–4 (15 ref.) (Eng. Abstr.) **(Spa)**

NEUROMA, ACOUSTIC, BILATERAL see **NEUROMA, ACOUSTIC**

NEUROMEDIATOR RECEPTORS see **RECEPTORS, NEUROHUMOR**

NEUROMODULATOR RECEPTORS see **RECEPTORS, NEUROHUMOR**

NEUROMODULATORS see **NEUROREGULATORS**

NEUROMUSCULAR BLOCKING AGENTS

Neuromuscular blocking agents in equine anesthesia. Hildebrand S. **Vet Clin North Am Equine Pract** 1990 Dec; 6(3):587–606 (32 ref.)

ANTAGONISTS & INHIBITORS

Reversal of neuromuscular blockade. Ramsey FM.
Int Anesthesiol Clin 1991 Spring;29(2):93–104 (26 ref.)

PHARMACOLOGY

Accurate monitoring of neuromuscular blockade using a peripheral nerve stimulator—a review. Beemer GH, et al.
Anaesth Intensive Care 1990 Nov;18(4):490–6 (36 ref.)
Myasthenia gravis in children and its anaesthetic implications. Brown TC, et al. **Anaesth Intensive Care** 1990 Nov; 18(4):466–72 (12 ref.)
Neuromuscular blocking agents in paediatric patients: influence of age on the response. Meretoja OA.
Anaesth Intensive Care 1990 Nov;18(4):440–8 (61 ref.)
Monitoring, new drugs, and reversal of neuromuscular blocking drugs. Bevan DR. **Can J Anaesth** 1991 May;38(4 Pt 2):R89–97 (43 ref.) **(Eng, Fre)**
Clinical pharmacology of the neuromuscular blocking agents. Larijani GE, et al. **DICP** 1991 Jan;25(1):54–64 (137 ref.)

THERAPEUTIC USE

Neuromuscular blocking agents and sedative drugs. Clinical uses and toxic effects in the critical care unit. Durbin CG Jr. **Crit Care Clin** 1991 Jul;7(3):489–506 (94 ref.)
New advances in anesthesia. Waugaman WR, et al.
Nurs Clin North Am 1991 Jun;26(2):451–61 (38 ref.)

NEUROMUSCULAR DEPOLARIZING AGENTS

PHARMACOLOGY

Clinical pharmacology of the neuromuscular blocking agents. Larijani GE, et al. **DICP** 1991 Jan;25(1):54–64 (137 ref.)

THERAPEUTIC USE

Sedation, pain relief, and neuromuscular blockade in the postoperative cardiac surgical patient. Coyle JP.
Semin Thorac Cardiovasc Surg 1991 Jan;3(1):81–7 (38 ref.)

NEUROMUSCULAR DISEASES

Paraneoplastic motor neuron disease. Rosenfeld MR, et al.
Adv Neurol 1991;56:445–59 (70 ref.)
Polyglucosan body disease. Cafferty MS, et al.
Muscle Nerve 1991 Feb;14(2):102–7 (27 ref.)

CHEMICALLY INDUCED

Persisting neurotoxic consequences of solvent abuse: a developing animal model for toluene-induced neurotoxicity. Pryor GT. **NIDA Res Monogr** 1990; 101:156–66 (27 ref.)

COMPLICATIONS

Monoclonal gammopathy and motor neuron disease. Sadiq SA, et al. **Adv Neurol** 1991;56:413–20 (68 ref.)
Poliovirus and motor neuron disease. Martyn CN.
J Neurol 1990 Oct;237(6):336–8 (29 ref.)

DIAGNOSIS

Myogenic conversion of human non-muscle cells for the diagnosis and therapy of neuromuscular diseases. Miranda AF, et al. **Adv Exp Med Biol** 1990;280:205–10 (27 ref.)
Separation of motor neuron diseases from pure motor

neuropathies: pathology. Hays AP. **Adv Neurol** 1991; 56:385–98 (94 ref.)
Separating motor neuron diseases from pure motor neuropathies. Multifocal motor neuropathy with persistent conduction block. Sumner AJ. **Adv Neurol** 1991;56:399–403 (21 ref.)
Separating motor neuron diseases from pure motor neuropathies. Clinical clues and definitions. Thomas PK. **Adv Neurol** 1991;56:381–4 (25 ref.)
AAEM minimonograph #11: Needle examination in clinical electromyography. Daube JR. **Muscle Nerve** 1991 Aug; 14(8):685–700 (29 ref.)
Invited review: electrodiagnostic assessment and monitoring of motor unit changes in disease. Stålberg E. **Muscle Nerve** 1991 Apr;14(4):293–303 (24 ref.)
Peroxisomal disorders. Naidu S, et al. **Neurol Clin** 1990 Aug; 8(3):507–28 (110 ref.)
MELAS syndrome. Report of two patients, and comparison with data of 24 patients derived from the literature. van Hellenberg Hubar JL, et al. **Neuropediatrics** 1991 Feb; 22(1):10–4 (47 ref.)
[Myopathy in the adult form of glycogenosis II. Two case reports and review of the literature] Horstmann S, et al. **Fortschr Neurol Psychiatr** 1990 Sep;58(9):343–50 (53 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Critical review of gangliosides and thyrotropin-releasing hormone in peripheral neuromuscular diseases. Bradley WG. **Muscle Nerve** 1990 Sep;13(9):833–42 (86 ref.)

ENZYMOLOGY

Schindler disease: an inherited neuroaxonal dystrophy due to alpha-N-acetylgalactosaminidase deficiency. Desnick RJ, et al. **J Inherited Metab Dis** 1990;13(4):549–59 (17 ref.)

EPIDEMIOLOGY

The epidemiology of primary degenerative dementia and related neurological disorders. Cooper B. **Eur Arch Psychiatry Clin Neurosci** 1991;240(4–5):223–33 (88 ref.)

ETIOLOGY

Post-radiation motor neuron syndromes. Bradley WG, et al. **Adv Neurol** 1991;56:341–53 (84 ref.)
Post-polio syndrome: concepts in clinical diagnosis, pathogenesis, and etiology. Dalakas M, et al. **Adv Neurol** 1991;56:495–511 (86 ref.)
Retrograde axonal transport and transcytosis of immunoglobulins: implications for the pathogenesis of autoimmune motor neuron disease. Fabian RH. **Adv Neurol** 1991;56:433–44 (60 ref.)
Lathyrism and western Pacific amyotrophic lateral sclerosis: etiology of short and long latency motor system disorders. Spencer PS, et al. **Adv Neurol** 1991;56:287–99 (66 ref.)

GENETICS

Old syndromes and new cytogenetics. Punnett HH, et al. **Dev Med Child Neurol** 1990 Sep;32(9):824–31 (32 ref.)
Multiple defects of the mitochondrial respiratory chain in a mitochondrial encephalopathy (MERRF): a clinical, biochemical and molecular study. Bindoff LA, et al. **J Neurol Sci** 1991 Mar;102(1):17–24 (48 ref.)
Mitochondrial genes and neuromuscular disease. Wallace DC. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:101–20 (23 ref.)

IMMUNOLOGY

Immunogenetics and motor neuron disease. Antel JP, et al. **Adv Neurol** 1991;56:357–67 (47 ref.)
Autoimmunity and ALS: a comparison of animal models of immune-mediated motor neuron destruction and human ALS. Appel SH, et al. **Adv Neurol** 1991;56:405–12 (35 ref.)
Motor neuropathies and motor neuron disorders: association with antiglycolipid antibodies. Pestronk A, et al. **Adv Neurol** 1991;56:427–32 (23 ref.)
Motor neuron syndromes and monoclonal IgM antibodies to gangliosides. Steck AJ, et al. **Adv Neurol** 1991;56:421–5 (23 ref.)
[Anti-Gm1 antibodies in motor system diseases and neuropathies] Thomas FP. **Nervenarzt** 1990 Dec; 61(12):704–10 (90 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

[Mitochondrial cytopathies] Mousson B, et al. **Rev Med Interne** 1991 May–Jun;12(3):219–26 (41 ref.) (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Retroviral leukemia and lower motor neuron disease in wild mice: natural history, pathogenesis, and genetic resistance. Gardner MB. **Adv Neurol** 1991;56:473–9 (50 ref.)
Retrovirus-induced motor neuron disease of mice: molecular basis of neurotropism and paralysis. Jolicoeur P, et al. **Adv Neurol** 1991;56:481–93 (39 ref.)
Viruses and motor neuron diseases. Jubelt B. **Adv Neurol** 1991;56:463–72 (64 ref.)
On the possible role of viruses in the aetiology of motor neurone disease: a review. Kennedy PG. **J R Soc Med** 1990 Dec;83(12):784–7 (53 ref.)

PATHOLOGY

Cytoskeletal pathology in motor neuron diseases. Leigh PN, et al. **Adv Neurol** 1991;56:115–24 (40 ref.)
Mitochondrial myopathies and myoencephalopathies. Byrne E. **Curr Opin Rheumatol** 1990 Dec;2(6):889–95 (21 ref.)
Neuromuscular manifestations of the L-tryptophan-associated eosinophilia-myalgia syndrome. Kaufman LD. **Curr Opin Rheumatol** 1990 Dec;2(6):896–900 (27 ref.)
Hereditary human myopathies in muscle culture. Meola G. **Ital J Neurol Sci** 1991 Jun;12(3):257–68 (66 ref.)
[Neuromuscular hamartoma] Boman F, et al. **Ann Pathol** 1991;11(1):36–41 (10 ref.) (Eng. Abstr.) **(Fre)**
[Neurogenic tissue syndrome. Review and specific results] Ziegan JB. **Zentralbl Allg Pathol** 1990;136(6):537–47 (34 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Parkinson's disease, motoneuron disease and Alzheimer's disease: origins and interrelationship. Calne DB, et al. **Adv Neurol** 1990;53:355–60 (29 ref.)
Neuromuscular disease of the gastrointestinal tract. Chokhavatia S, et al. **Am J Med Sci** 1991 Mar;301(3):201–14 (136 ref.)
The floppy infant: recent advances in the understanding of disorders affecting the neuromuscular junction. Gay CT, et al. **Neurol Clin** 1990 Aug;8(3):715–25 (55 ref.)
Respiratory muscle weakness. Mier A. **Respir Med** 1990 Sep; 84(5):351–9 (82 ref.)
[Motor-dominant neuropathy with multifocal conduction block] Sonoo M, et al. **Rinsho Shinkeigaku** 1990 Nov; 30(11):1214–20 (24 ref.) (Eng. Abstr.) **(Jpn)**
[Contractile properties of the muscles in disorders of peripheral innervation (review of the literature)] Bogdanov EI, et al. **Zh Nevropatol Psikhiatr** 1991;91(2):129–32 (58 ref.) **(Rus)**

REHABILITATION

Rehabilitation of the pediatric patient with a neuromuscular disease. Russman BS. **Neurol Clin** 1990 Aug;8(3):727–40 (52 ref.)
A new challenge—robotics in the rehabilitation of the neurologically motor impaired. van Vliet P, et al. **Phys Ther** 1991 Jan;71(1):39–47 (54 ref.)

ULTRASONOGRAPHY

The use of ultrasound in evaluating neurologic diseases of childhood. Fischer AQ. **Neurol Clin** 1990 Aug;8(3):759–74 (37 ref.)

NEUROMUSCULAR JUNCTION

see related
RECEPTORS, CHOLINERGIC

DRUG EFFECTS

Presynaptic actions of botulinal neurotoxins at vertebrate neuromuscular junctions. Molgo J, et al. **J Physiol (Paris)** 1990;84(2):152–66 (121 ref.)
Trophic interrelations at the neuromuscular junction as revealed by the use of botulinal neurotoxins. Thesleff S, et al. **J Physiol (Paris)** 1990;84(2):167–73 (96 ref.)

GROWTH & DEVELOPMENT

Retrofitting larval neuromuscular circuits in the metamorphosing frog. Alley KE. **J Neurobiol** 1990 Oct; 21(7):1092–107 (45 ref.)

PHYSIOLOGY

Presynaptic receptors in the neuromuscular junction. Bowman WC, et al. **Ann N Y Acad Sci** 1990;604:69–81 (91 ref.)
Prejunctional adenosine and ATP receptors. Silinsky EM, et al. **Ann N Y Acad Sci** 1990;603:324–33; discussion 333–4 (32 ref.)
Monitoring, new drugs, and reversal of neuromuscular blocking drugs. Bevan DR. **Can J Anaesth** 1991 May;38(4 Pt 2):R89–97 (43 ref.) **(Eng, Fre)**
Quantum mechanics of synapses. Burden SJ, et al. **Cell** 1990 Oct 5;63(1):7–8 (14 ref.)
The power transfer from the neuromuscular machinery to its load as a vegetative and somatic behaviour. Federici A, et al. **Funct Neurol** 1990 Jul–Sep;5(3):233–7 (19 ref.)
Function of nicotinic synapses. Colquhoun D, et al. **Prog Brain Res** 1990;84:43–50 (38 ref.)
The basal lamina and stability of the mammalian neuromuscular junction. Slater CR. **Prog Brain Res** 1990; 84:73–81 (38 ref.)
Spontaneous synaptic activity at developing neuromuscular junctions. Tabti N, et al. **Prog Brain Res** 1990;84:63–72 (24 ref.)
Functional aspects of quantal and non-quantal release of acetylcholine at the neuromuscular junction. Thesleff S. **Prog Brain Res** 1990;84:93–9 (64 ref.)
Future prospects of cholinergic research on neuromuscular transmission. Thesleff S, et al. **Prog Brain Res** 1990;84:171–4 (0 ref.)
Functional morphology of the nerve terminal at the frog neuromuscular junction: recent insights using immunocytochemistry. Torri Tarelli F, et al. **Prog Brain Res** 1990;84:83–92 (46 ref.)
The regulation of quantal size. Van der Kloot W. **Prog Neurobiol** 1991;36(2):93–130 (245 ref.)
Tug-of-war at the neuromuscular junction [news] Wigston D. **Trends Neurosci** 1990 Aug;13(8):309–12 (40 ref.)
[Current theories on the neurotropic control (review of the literature)] Khabirov FA, et al. **Zh Nevropatol Psikhiatr** 1991;91(4):113–6 (95 ref.) **(Rus)**

PHYSIOPATHOLOGY

The floppy infant: recent advances in the understanding of disorders affecting the neuromuscular junction. Gay CT, et al. **Neurol Clin** 1990 Aug;8(3):715–25 (55 ref.)

ULTRASTRUCTURE

Remodelling of nerve-muscle contacts. Wernig A. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):141–63 (35 ref.)

NEUROMUSCULAR NONDEPOLARIZING AGENTS see **CURARE-LIKE AGENTS**

NEURON DEGENERATION see **NERVE DEGENERATION**

NEURON-GLIA ADHESION MOLECULES see **CELL ADHESION MOLECULES, NEURONAL**

NEURON-SPECIFIC ENOLASE see **PHOSPHOPYRUVATE HYDRATASE**

NEURONAL CELL ADHESION MOLECULES see **CELL ADHESION MOLECULES, NEURONAL**

NEURONAL CEROID-LIPOFUSCINOSIS

DIAGNOSIS

[Dementia and psychiatric disorders in Kufs disease] Charles N, et al. **Rev Neurol (Paris)** 1990;146(12):752–6 (17 ref.) (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Lysosomal storage of the DCCD reactive proteolipid subunit of mitochondrial ATP synthase in human and ovine ceroid lipofuscinoses. Palmer DN, et al. **Adv Exp Med Biol** 1989; 266:211–22; discussion 223 (41 ref.)

METABOLISM

Ceroid lipofuscin in Hermansky-Pudlak syndrome and neuronal ceroid lipofuscinoses. Puranen M. **Proc Finn Dent Soc** 1990;86(2):99–102 (13 ref.)

NEURONAL PLASTICITY

Neurobiological mechanisms of adaptative plasticity. A possible contribution to cybernetic studies. Giaquinto S. **Acta Neurol (Napoli)** 1990 Oct;12(5):337–48 (40 ref.)
Astrocytes within the hypothalamic arcuate nucleus contain estrogen-sensitive peroxidase, bind fluorescein-conjugated estradiol, and may mediate synaptic plasticity in the rat. Keefe DL, et al. **Am J Obstet Gynecol** 1991 Apr; 164(4):959–66 (54 ref.)
Plasticity of fetal and adult CNS serotonergic neurons: role of growth-regulatory factors. Azmitia EC, et al. **Ann N Y Acad Sci** 1990;600:343–63; discussion 363–5 (65 ref.)
Morphological aspects of synaptic plasticity in Aplysia. An anatomical substrate for long-term memory. Bailey CH, et al. **Ann N Y Acad Sci** 1991;627:181–96 (53 ref.)
Stimulation of phosphoinositide turnover by excitatory amino acids. Pharmacology, development, and role in visual cortical plasticity. Bear MF, et al. **Ann N Y Acad Sci** 1991; 627:42–56 (68 ref.)
Cerebellar synaptic plasticity. Relation to learning versus neural activity. Greenough WT, et al. **Ann N Y Acad Sci** 1991;627:231–47 (69 ref.)
Ependymin, a brain extracellular glycoprotein, and CNS plasticity. Shashoua VE. **Ann N Y Acad Sci** 1991; 627:94–114 (76 ref.)
Plasticity in the adult and neonatal central nervous system. Bower AJ. **Br J Neurosurg** 1990;4(4):253–64 (94 ref.)
Experimental models of temporal lobe epilepsy: new insights from the study of kindling and synaptic reorganization. Sutula TP. **Epilepsia** 1990;31 Suppl 3:S45–54 (56 ref.)
Morphological plasticity of postsynaptic neurones in reactive synaptogenesis. Hamori J. **J Exp Biol** 1990 Oct;153:251–60 (53 ref.)
Neurotransmitter plasticity in the sympathetic nervous system: influence of external factors and possible physiological implications. Zurn AD. **Life Sci** 1991; 48(19):1799–808 (92 ref.)
Hippocampal synaptic plasticity and NMDA receptors: a role in information storage? Morris RG, et al. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29; 329(1253):187–204 (118 ref.)

Mechanisms of visual plasticity: Hebb synapses, NMDA receptors, and beyond. Rauschecker JP. **Physiol Rev** 1991 Apr;71(2):587–615 (432 ref.)
Synaptic plasticity and behavioral modifications in the marine mollusk Aplysia. Castellucci VF, et al. **Prog Brain Res** 1990;86:105–15 (72 ref.)
Plasticity of excitatory amino acid receptors: implications for aging and Alzheimer's disease. Cotman CW, et al. **Prog Brain Res** 1990;86:55–61 (37 ref.)
Enhanced cortical maturation: gangliosides in CNS plasticity. Karpiak SE, et al. **Prog Brain Res** 1990;85:299–308; discussion 308–9 (67 ref.)
Integration by the neuronal growth cone: a continuum from neuroplasticity to neuropathology. Kater SB, et al. **Prog Brain Res** 1990;86:117–28 (35 ref.)
Neural plasticity in aging and Alzheimer's disease: some selected comments. Phelps CH. **Prog Brain Res** 1990;86:3–9 (48 ref.)
[Molecule—hippocampus—memory. Part I: On the molecular mechanisms of synaptic plasticity] Sakai K, et al. **No To Shinkei** 1990 Nov;42(11):1017–29 (70 ref.) **(Jpn)**

DRUG EFFECTS

Memory, synaptic plasticity and neurotoxins. Petit TL. **Neurotoxicology** 1990 Summer;11(2):323–32 (54 ref.)

PHYSIOLOGY

Plasticity of memory functioning in normal aging and Alzheimer's disease. Bäckman L. **Acta Neurol Scand Suppl** 1990;129:32–6 (19 ref.)
Molecular markers of reactive plasticity. Geddes JW, et al. **Adv Exp Med Biol** 1990;268:425–32 (34 ref.)
NMDA receptor plasticity in the kindling model. McNamara JO, et al. **Adv Exp Med Biol** 1990;268:451–9 (47 ref.)
Excitatory amino acids, growth factors, and calcium: a teeter-totter model for neural plasticity and degeneration. Mattson MP. **Adv Exp Med Biol** 1990;268:211–20 (35 ref.)
Trans-synaptophobia. Routtenberg A. **Adv Exp Med Biol** 1990;268:401–3 (17 ref.)
The role of ependymin in neuronal plasticity and LTP. Shashoua VE. **Adv Exp Med Biol** 1990;268:333–45 (59 ref.)
NMDA-receptors are involved in synaptic plasticity following partial denervation of CA1 hippocampal cells. Wheal H. **Adv Exp Med Biol** 1990;268:461–9 (51 ref.)
The relationship of GAP-43 to the development and plasticity of synaptic connections. Benowitz LI, et al. **Ann N Y Acad Sci** 1991;627:58–74 (87 ref.)
Operantly conditioned plasticity in spinal cord. Wolpaw JR, et al. **Ann N Y Acad Sci** 1991;627:338–48 (40 ref.)
Contributions of dendritic spines and perforated synapses to synaptic plasticity. Calverley RK, et al. **Brain Res Brain Res Rev** 1990 Sep–Dec;15(3):215–49 (298 ref.)
Magnetic stimulation of the human cerebral cortex, an indicator of reorganization in motor pathways in certain pathological conditions. Cohen LG, et al. **J Clin Neurophysiol** 1991 Jan;8(1):56–65 (60 ref.)
Steroid hormones as mediators of neural plasticity. McEwen BS, et al. **J Steroid Biochem Mol Biol** 1991 Aug; 39(2):223–32 (64 ref.)
Enkephalin influences on behavioral and neural plasticity: mechanisms of action. Martinez JL Jr, et al. **NIDA Res Monogr** 1990;97:48–78 (130 ref.)
Excitatory amino acids in the developing brain: ontogeny, plasticity, and excitotoxicity. Hattori H, et al. **Pediatr Neurol** 1990 Jul–Aug;6(4):219–28 (100 ref.)
Effects of aging on the dynamics of information processing and synaptic weight changes in the mammalian hippocampus. Barnes CA. **Prog Brain Res** 1990;86:89–104 (94 ref.)
GAP-43 as a marker for structural plasticity in the mature CNS. Benowitz LI, et al. **Prog Brain Res** 1990;86:309–20 (78 ref.)
Neuronal plasticity in normal aging and deficient plasticity in Alzheimer's disease: a proposed intercellular signal cascade. Coleman PD, et al. **Prog Brain Res** 1990;86:75–87 (111 ref.)
Neurono-glial interactions and neural plasticity. Moonen G, et al. **Prog Brain Res** 1990;86:63–73 (40 ref.)
Receptors, phosphoinositol hydrolysis and plasticity of nerve cells. Pontzer NJ, et al. **Prog Brain Res** 1990;86:221–5 (20 ref.)
Receptor–effector coupling by G-proteins: implications for neuronal plasticity. Spiegel AM. **Prog Brain Res** 1990; 86:269–76 (40 ref.)
Reality testing, the self and the brain as modular distributed systems. Grigsby J, et al. **Psychiatry** 1991 Feb;54(1):39–54 (70 ref.)
Neurotransmitter and neuromodulator systems involved in vestibular compensation. Flohr H, et al. **Rev Oculomot Res** 1985;1:269–77 (0 ref.)
Synaptic plasticity in the cerebellar cortex that may underlie the vestibulo-ocular adaptation. Ito M. **Rev Oculomot Res** 1985;1:213–21 (0 ref.)
Plasticity in the vestibulo-ocular and optokinetic reflexes following modification of canal input. Paige GD. **Rev Oculomot Res** 1985;1:145–53 (0 ref.)
Activity-dependent plasticity in the visual systems of frogs and fish. Cline HT. **Trends Neurosci** 1991 Mar;14(3):104–11 (80 ref.)
Common patterns of plasticity contributing to nociceptive sensitization in mammals and Aplysia. Woolf CJ, et al. **Trends Neurosci** 1991 Feb;14(2):74–8 (60 ref.)

NEURONS

see related

NEURAL CONDUCTION

Herpes simplex virus for gene delivery to neurons. Breakefield XO, et al. **New Biol** 1991 Mar;3(3):203–18 (130 ref.)
[Dislocated neurons and neural network: hodological study of the motor cortex of the reeler mutant mouse] Terashima T, et al. **Hokkaido Igaku Zasshi** 1991 May;66(3):268–85 (39 ref.) (Eng. Abstr.) **(Jpn)**

CHEMISTRY

Ion channels in nerve and muscle cells. Gordon D. **Curr Opin Cell Biol** 1990 Aug;2(4):695–707 (41 ref.)
Dopamine concentration in the cytoplasmic compartment of single neurons determined by capillary electrophoresis. Olefirowicz TM, et al. **J Neurosci Methods** 1990 Sep; 34(1–3):11–5 (19 ref.)
Migration of LHRH-immunoreactive neurons from the olfactory placode rationalizes olfacto-hormonal relationships. Schwanzel-Fukuda M, et al. **J Steroid Biochem Mol Biol** 1991 Oct;39(4B):565–72 (59 ref.)
Distribution patterns of CCK and CCK mRNA in some neuronal and non-neuronal tissues. Hökfelt T, et al. **Neuropeptides** 1991 Jul;19 Suppl:31–43 (83 ref.)
[Identification of cells of the central nervous system using cell-specific markers] Hewicker M, et al. **Tierarztl Prax** 1991 Jun;19(3):241–6 (20 ref.) (Eng. Abstr.) **(Ger)**

CYTOLOGY

Distribution of histaminergic neurons and fibers in rat brain. Comparison with noradrenergic and serotonergic innervation of the vestibular system. Steinbusch HW. **Acta Otolaryngol Suppl (Stockh)** 1991;479:12–23 (41 ref.)
Genetics of early neurogenesis in Drosophila melanogaster. Campos-Ortega JA, et al. **Annu Rev Genet** 1990;24:387–407 (82 ref.)
Tension as a regulator and integrator of axonal growth. Heidemann SR, et al. **Cell Motil Cytoskeleton** 1990; 17(1):6–10 (22 ref.)
Regulation of neural cell survival and differentiation by peptide growth factors. Wagner JA, et al. **Curr Opin Cell Biol** 1990 Dec;2(6):1050–7 (28 ref.)
Determinants of nerve cell patterns during development: a review. Goffinet AM. **Eur J Morphol** 1990;28(2–4):149–68 (71 ref.)
Mechanism of neurogenesis in adult avian brain. Alvarez-Buylla A. **Experientia** 1990 Sep 15;46(9):948–55 (80 ref.)
Migratory patterns of clonally related cells in the developing central nervous system. Gray GE, et al. **Experientia** 1990 Sep 15;46(9):929–40 (74 ref.)
Mechanisms of glial-guided neuronal migration in vitro and in vivo. Hatten ME, et al. **Experientia** 1990 Sep 15; 46(9):907–16 (63 ref.)
Extracellular matrix and neuronal movement. Liesi P. **Experientia** 1990 Sep 15;46(9):900–7 (85 ref.)
The specification of neuronal identity in the mammalian cerebral cortex. McConnell SK. **Experientia** 1990 Sep 15; 46(9):922–9 (70 ref.)
Principles of neural cell migration. Rakic P. **Experientia** 1990 Sep 15;46(9):882–91 (68 ref.)
The migration of luteinizing hormone-releasing hormone (LHRH) neurons from the medial olfactory placode into the medial basal forebrain. Schwanzel-Fukuda M, et al. **Experientia** 1990 Sep 15;46(9):956–62 (61 ref.)
Cell lineage and cell migration in the developing cerebral cortex. Walsh C, et al. **Experientia** 1990 Sep 15;46(9):940–7 (104 ref.)
Genetic mechanisms of early neurogenesis in Drosophila melanogaster. Campos-Ortega JA. **Int Rev Cytol** 1991; 124:1–41 (152 ref.)
Basic fibroblast growth factor (bFGF), a multifunctional growth factor for neuroectodermal cells. Westermann R, et al. **J Cell Sci Suppl** 1990;13:97–117 (166 ref.)
Nerve growth factor and neuronal cell death. Perez-Polo JR, et al. **Mol Neurobiol** 1990 Spring–Summer;4(1–2):57–91 (240 ref.)
Neurono-glial interactions and neural plasticity. Moonen G, et al. **Prog Brain Res** 1990;86:63–73 (40 ref.)
Hormones and programmed cell death: insights from invertebrate studies. Truman JW, et al. **Prog Brain Res** 1990;86:25–35 (36 ref.)
Notch and the choice of cell fate in Drosophila neuroepithelium. Simpson P. **Trends Genet** 1990 Nov; 6(11):343–5 (19 ref.)

DRUG EFFECTS

Differential action of various allosteric modulators of GABAA receptor upon the spontaneous discharge rate of nigral neurons "in vivo". Mereu G, et al. **Adv Biochem Psychopharmacol** 1990;46:109–25 (47 ref.)
Protection by natural and semisynthetic gangliosides from Ca2(+)-dependent neurotoxicity caused by excitatory amino acid (EAA) neurotransmitters. Guidotti A, et al. **Adv Exp Med Biol** 1990;268:135–44 (23 ref.)
Mechanisms underlying excitatory amino acid-evoked calcium entry in cultured neurons from the embryonic rat spinal cord. MacDermott AB, et al. **Adv Exp Med Biol** 1990;268:117–24 (46 ref.)
Effects of thyroid hormones on the hypothalamic dopaminergic neurons. Reymond MJ, et al. **Adv Exp Med Biol** 1990;274:257–70 (74 ref.)
Fetal alcohol exposure: cellular toxicity and molecular events involved in toxicity. Michaelis EK. **Alcohol Clin Exp Res** 1990 Dec;14(6):819–26 (59 ref.)
Neuroendocrine pharmacology of serotonergic (5-HT) neurons. Van de Kar LD. **Annu Rev Pharmacol Toxicol** 1991;31:289–320 (235 ref.)
Adrenal steroid influences on the survival of hippocampal neurons. McEwen BS, et al. **Biochem Pharmacol** 1990 Dec 1;40(11):2393–402 (95 ref.)
Steroids and neuronal destruction or stabilization. Hall ED. **Ciba Found Symp** 1990;153:206–14; discussion 214–9 (25 ref.)
Steroid effects on neuronal activity: when is the genome involved? McEwen BS, et al. **Ciba Found Symp** 1990; 153:3–12; discussion 12–21 (29 ref.)
Effects of progesterone and its metabolites on neuronal membranes. Ramirez VD, et al. **Ciba Found Symp** 1990; 153:125–41; discussion 141–4 (34 ref.)
Isolation of achatin-I, a neuroactive tetrapeptide having a D-phenylalanine residue, from Achatina ganglia, and its effects on Achatina giant neurones. Kamatani Y, et al. **Comp Biochem Physiol [C]** 1991;98(1):97–103 (20 ref.)
Presynaptic effects of toxins. Harvey AL. **Int Rev Neurobiol** 1990;32:201–39 (252 ref.)
Ca++ and Na+ channels involved in neuronal cell death. Protection by flunarizine. Pauwels PJ, et al. **Life Sci** 1991; 48(20):1881–93 (70 ref.)
Antagonism to neuronal cystine uptake a factor in neuronal damage by glutamate. **Nutr Rev** 1990 Dec;48(12):440–2 (7 ref.)
Excitotoxin-mediated neuron death in youth and old age. Olney JW. **Prog Brain Res** 1990;86:37–51 (77 ref.)
Drugs affecting serotonin neurons. Fuller RW. **Prog Drug Res** 1990;35:85–108 (239 ref.)
Disruption of cellular elements and water in neurotoxicity: studies using electron probe X-ray microanalysis. LoPachin RM Jr, et al. **Toxicol Appl Pharmacol** 1990 Dec; 106(3):355–74 (145 ref.)
Non-genomic and genomic effects of steroids on neural activity. McEwen BS. **Trends Pharmacol Sci** 1991 Apr; 12(4):141–7 (37 ref.)
[Toxic pulmonary and neuronal reactions to nitrofurantoin] Mihăltan F. **Rev Ig Med Muncii Med Soc Bacteriol Virusol Parazitol Epidemiol Pneumoftiziol Pneumoftiziol** 1990 Jan–Mar; 39(1):51–8 (9 ref.) (Eng. Abstr.) **(Rum)**

IMMUNOLOGY

The potential use of a dopamine neuron antibody and a striatal-derived neurotrophic factor as diagnostic markers in Parkinson's disease. Carvey PM, et al. **Neurology** 1991 May;41(5 Suppl 2):53–8; discussion 59–60 (48 ref.)
Antigens of Trypanosoma cruzi that mimic mammalian nervous tissues: investigations of their role in the autoimmune pathophysiology of chronic Chagas' disease. Petry K, et al. **Res Immunol** 1991 Feb;142(2):151–6 (27 ref.)

METABOLISM

Neurotoxic effect of MDMA on brain serotonin neurons: evidence from neurochemical and radioligand binding studies. De Souza EB, et al. **Ann N Y Acad Sci** 1990; 600:682–97; discussion 697–8 (28 ref.)
Inositol lipid metabolism in hippocampus. Logan SD, et al. **Biochem Soc Trans** 1991 Apr;19(2):407–11 (50 ref.)
Neuronal muscarinic receptors and phosphoinositide metabolism. Naahorski SR, et al. **Biochem Soc Trans** 1991 Apr;19(2):416–21 (50 ref.)
Ernst Klenk Lecture, November 1987. Molecular studies in neuroscience: implications for medicine. Bloom FE. **Biol Chem Hoppe Seyler** 1991 Apr;372(4):245–54 (85 ref.)
The patterns of neurotransmitter and neuropeptide co-occurrence among striatal projection neurons: conclusions based on recent findings. Reiner A, et al. **Brain Res Brain Res Rev** 1990 Sep–Dec;15(3):251–65 (156 ref.)
Regulation of free calmodulin levels in neurons by neuromodulin: relationship to neuronal growth and regeneration. Estep RP, et al. **Curr Top Cell Regul** 1990; 31:161–80 (40 ref.)
Modulation of calcium channel function in nerve cell membrane. Kostyuk PG, et al. **Gen Physiol Biophys** 1990 Oct;9(5):433–43 (76 ref.)
B-50 (GAP-43): biochemistry and functional neurochemistry of a neuron-specific phosphoprotein. Coggins PJ, et al. **J Neurochem** 1991 Apr;56(4):1095–106 (117 ref.)
Molecular mechanisms of regulation of neuronal muscarinic receptor sensitivity. el-Fakahany EE, et al. **Membr Biochem** 1990 Jan–Mar;9(1):9–27 (118 ref.)
Synthesis of transmitter glutamate and the glial-neuron interrelationship. Torgner I, et al. **Mol Chem Neuropathol** 1990 Jan;12(1):11–7 (35 ref.)
Interrelationship between glutamate and membrane-bound ATPases in nerve cells. Torgner I, et al.

Mol Chem Neuropathol 1990 Jan;12(1):19–25 (28 ref.)
Prodynorphin gene expression in neuronal and endocrine cell types. Douglass J. **NIDA Res Monogr** 1991;105:109–15 (24 ref.)
Neuronal calcium channels: kinetics, blockade and modulation. Carbone E, et al. **Prog Biophys Mol Biol** 1989; 54(1):31–58 (175 ref.)
A GABA–agonist like effect of taurine on the formation of low affinity GABA receptors on cultured cerebellar granule cells. Abraham JH, et al. **Prog Clin Biol Res** 1990; 351:77–81 (13 ref.)
Taurine release associated to cell swelling in the nervous system. Pasantes–Morales H, et al. **Prog Clin Biol Res** 1990; 351:369–76 (22 ref.)
Depolarization induced neuronal release of taurine in relation to synaptic transmission: comparison with GABA and glutamate. Schousboe A, et al. **Prog Clin Biol Res** 1990; 351:289–97 (36 ref.)
Spreading depression–like depolarization and selective vulnerability of neurons. A brief review. Somjen GG, et al. **Stroke** 1990 Nov;21(11 Suppl):III179–83 (40 ref.)
[Neuronal and astrocytic plasticity: metabolic aspects] Tholey G, et al. **Ann Med Interne (Paris)** 1990;141 Suppl 1:13–8 (21 ref.) (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

[Latency of herpes simplex virus. Current knowledge] Catalán V, et al. **Enferm Infecc Microbiol Clin** 1991 Mar; 9(3):172–6 (34 ref.) **(Spa)**

PATHOLOGY

Neuronal markers in Hirschsprung's disease with special reference to neuropeptides. Larsson LT, et al. **Acta Histochem Suppl** 1990;38:115–25 (74 ref.)
Corticonigral degeneration with neuronal achromasia and basal neurofibrillary tangles. Paulus W, et al. **Acta Neuropathol (Berl)** 1990;81(1):89–94 (39 ref.)
Protection against ischaemic neuronal damage by drugs acting on excitatory neurotransmission. Meldrum B. **Cerebrovasc Brain Metab Rev** 1990 Spring;2(1):27–57 (212 ref.)
Possible involvement of free radical formation in post–ischemic neuronal damage. Yamasaki Y, et al. **Jpn J Med** 1990 Nov–Dec;29(6):677–9 (2 ref.)

PHYSIOLOGY

Human neuroblastoma cells in culture: a model for neuronal cell differentiation and function. Påhlman S, et al. **Acta Physiol Scand Suppl** 1990;592:25–37 (63 ref.)
Forelimb movements in the cat; kinetic features and neuronal control. Pettersson LG. **Acta Physiol Scand Suppl** 1990; 594:1–60 (85 ref.)
The tuberoinfundibular dopaminergic neurons of the brain: hormonal regulation. Porter JC, et al. **Adv Exp Med Biol** 1990;274:1–23 (33 ref.)
Effects of NH4+ on the function of the CNS. Raabe W. **Adv Exp Med Biol** 1990;272:99–120 (51 ref.)
The regulation of excitability by second messengers and protein kinases in peptidergic neurons of Aplysia. Fisher TE, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:41–4 (13 ref.)
Histaminergic neuron system: morphological features and possible functions. Wada H, et al. **Agents Actions Suppl** 1991;33:11–27 (65 ref.)
Cellular and synaptic alterations in the aging brain. Agnati LF, et al. **Aging (Milano)** 1990 Mar;2(1):5–25 (125 ref.)
Neuroendocrine design of the gut. Debas HT, et al. **Am J Surg** 1991 Feb;161(2):243–9 (20 ref.)
Mast cell/nerve interactions in vitro and in vivo. Bienenstock J, et al. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S55–8 (49 ref.)
Plasticity of fetal and adult CNS serotonergic neurons: role of growth–regulatory factors. Azmitia EC, et al. **Ann N Y Acad Sci** 1990;600:343–63; discussion 363–5 (65 ref.)
Cellular electrophysiological actions of ethanol on mammalian neurons in brain slices. Carlen PL, et al. **Ann N Y Acad Sci** 1991;625:17–25 (31 ref.)
Morphology of central serotonin neurons. Brief review of quantified aspects of their distribution and ultrastructural relationships. Descarries L, et al. **Ann N Y Acad Sci** 1990; 600:81–92 (42 ref.)
Neurophysiological and neurochemical studies of brain serotonergic neurons in behaving animals. Jacobs BL, et al. **Ann N Y Acad Sci** 1990;600:260–8; discussion 268–71 (30 ref.)
Role of inactivation in local anesthetic action. Khodorov BI. **Ann N Y Acad Sci** 1991;625:224–48 (67 ref.)
Cellular mechanisms of anesthesia. Krnjević K. **Ann N Y Acad Sci** 1991;625:1–16 (55 ref.)
Presynaptic receptors on peripheral noradrenergic neurons. Langer SZ, et al. **Ann N Y Acad Sci** 1990;604:7–16 (64 ref.)
Role of signal transduction in anesthetic action. Alpha 2 adrenergic agonists. Maze M, et al. **Ann N Y Acad Sci** 1991;625:409–22 (95 ref.)
Effects of alcohols on ion channels of cultured neurons. Narahashi T, et al. **Ann N Y Acad Sci** 1991;625:26–36 (65 ref.)
Denis Haydon F.R.S., cell excitability and spirits of port. A commentary on the interaction of homologous series of alkanols with sodium channels. Requena J. **Ann N Y Acad Sci** 1991;625:318–26 (21 ref.)
Effects of ethanol on calcium channels, potassium channels, and vasopressin release. Treistman SN, et al. **Ann N Y Acad Sci** 1991;625:249–63 (32 ref.)
Synaptic and nonsynaptic cross talk between neurons. Role of presynaptic alpha 2–receptors in mental disorders. Vizi ES. **Ann N Y Acad Sci** 1990;604:344–52 (43 ref.)
Alcohol and anesthetic actions on excitatory amino acid–activated ion channels. Weight FF, et al. **Ann N Y Acad Sci** 1991;625:97–107 (40 ref.)
Studies on cellular mechanisms underlying general anesthesia using cultured molluscan neurons. Winlow W, et al. **Ann N Y Acad Sci** 1991;625:269–72 (12 ref.)
Studies of the initiation of myelination by Schwann cells. Wood P, et al. **Ann N Y Acad Sci** 1990;605:1–14 (17 ref.)
The generation of neuronal diversity in the central nervous system. McConnell SK. **Annu Rev Neurosci** 1991; 14:269–300 (163 ref.)
Early development of the rat precerebellar system: migratory routes, selective aggregation and neuritic differentiation of the inferior olive and lateral reticular nucleus neurons. An overview. Bourrat F, et al. **Arch Ital Biol** 1990 Jul; 128(2–4):151–70 (43 ref.)
Direct and indirect modulation of neuronal calcium currents by G–protein activation. Dolphin AC, et al. **Biochem Soc Symp** 1990;56:45–60 (61 ref.)
Novel neuronal neurotransmitter–specific cell–surface molecules. Docherty M. **Biochem Soc Trans** 1991 Feb; 19(1):87–91 (19 ref.)
Monoclonal antibody probes for nicotinic receptors of muscles and nerves. Lindstrom J, et al. **Biochem Soc Trans** 1991 Feb;19(1):115–20 (77 ref.)
Arachidonic acid metabolism: potential for diverse signalling within the same neuron. Schwartz JH. **Biochem Soc Trans** 1991 Apr;19(2):387–90 (37 ref.)
Neuronal nicotinic receptors: functional correlates of ligand binding sites. Wonnacott S. **Biochem Soc Trans** 1991 Feb; 19(1):121–4 (30 ref.)
Neural repair and glial proliferation: parallels with gliogenesis in insects. Smith PJ, et al. **Bioessays** 1991 Feb;13(2):65–72 (42 ref.)
Complex dynamics and noise in simple neural networks with delayed mixed feedback. Milton JG, et al. **Biomed Biochim Acta** 1990;49(8–9):697–707 (49 ref.)
Biochemical pharmacology of isolated neuronal growth cones: implications for synaptogenesis. Lockerbie RO. **Brain Res Brain Res Rev** 1990 May–Aug;15(2):145–65 (159 ref.)
Identification of the Purkinje cell/climbing fiber zone and its target neurons responsible for eye–movement control by the cerebellar flocculus. Sato Y, et al. **Brain Res Brain Res Rev** 1991 Jan–Apr;16(1):39–64 (164 ref.)
Effect of nicotine on dynamic function of brain catecholamine neurons. Svensson TH, et al. **Ciba Found Symp** 1990;152:169–80; discussion 180–5 (53 ref.)
Tonic control of subretrofacial vasomotor neurons in the rostral ventrolateral medulla. Dampney RA, et al. **Clin Exp Pharmacol Physiol** 1991 Feb;18(2):97–100 (22 ref.)
T–type calcium channel in mammalian CNS neurones. Akaike N. **Comp Biochem Physiol [C]** 1991;98(1):31–40 (50 ref.)
Cellular physiology of epileptogenic phenomena and its application to therapy against intractable epilepsy. Sugaya E, et al. **Comp Biochem Physiol [C]** 1991;98(1):249–70 (47 ref.)
Short–term and long–term memory in single cells. Morimoto BH, et al. **FASEB J** 1991 Apr;5(7):2061–7 (41 ref.)
The effect of neuronal cells on kidney differentiation. Sariola H, et al. **Int J Dev Biol** 1989 Mar;33(1):149–55 (46 ref.)
Neuronal mechanisms of goal–directed behaviour in monkeys. Batuev AS. **Int J Neurosci** 1989 Jan; 44(1–2):59–66 (29 ref.)
Misincorporation of uracil into DNA as possible contributor to neuronal aging and abiotrophy. Mazzarello P, et al. **Int J Neurosci** 1990 Feb;50(3–4):169–74 (39 ref.)
Membrane and cellular properties in oscillating networks: implications for respiration. Dekin MS, et al. **J Appl Physiol** 1990 Sep;69(3):809–21 (109 ref.)
On the plasticity of form and structure of enteric ganglia. Gabella G. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S59–66 (11 ref.)
In situ analysis of neuronal dynamics and positional cues in the patterning of nerve connections. Fraser SE, et al. **J Exp Biol** 1990 Oct;153:61–70 (22 ref.)
Morphological plasticity of postsynaptic neurones in reactive synaptogenesis. Hamori J. **J Exp Biol** 1990 Oct;153:251–60 (53 ref.)
Neural control of breathing. Recent advances and hypotheses. Lindsey BG. **J Fla Med Assoc** 1991 Apr; 78(4):241–3 (8 ref.)
Calcium channels in cellular membranes. Kostyuk PG. **J Mol Neurosci** 1990;2(3):123–41 (255 ref.)
Neuronal adaptation accompanying metamorphosis in the flatfish. Graf W, et al. **J Neurobiol** 1990 Oct;21(7):1136–52 (77 ref.)
Regulation of growth cone behavior by calcium. Kater SB, et al. **J Neurosci** 1991 Apr;11(4):891–9 (86 ref.)
Uncultured lobster muscle, cultured neurons and brain slices: the neurophysiology of zinc. Smart TG. **J Pharm Pharmacol** 1990 Jun;42(6):377–87 (68 ref.)
A kinetic model of the odor response in single olfactory receptor neurons. Firestein S, et al. **J Steroid Biochem Mol Biol** 1991 Oct;39(4B):615–20 (21 ref.)
An update on thermosensitive neurons in the brain: from cellular biology to thermal and non–thermal homeostatic functions. Hori T. **Jpn J Physiol** 1991;41(1):1–22 (71 ref.)
Catecholaminergic modulation and transmission in sympathetic preganglionic neurons. Nishi S. **Jpn J Physiol** 1990;40(6):775–87 (50 ref.)
The aging brain: protein phosphorylation as a target of changes in neuronal function. Magnoni MS, et al. **Life Sci** 1991;48(5):373–85 (88 ref.)
The electrophysiological actions of neurotensin in the central nervous system. Stowe ZN, et al. **Life Sci** 1991; 49(14):987–1002 (136 ref.)
When should we expect prenatally damaged human brains to have abnormal neuronal connections? Ashwell KW. **Med Hypotheses** 1991 Feb;34(2):149–52 (26 ref.)
The neural mechanism of declarative memory consolidation and retrieval: a hypothesis. Cai ZJ. **Neurosci Biobehav Rev** 1990 Fall;14(3):295–304 (114 ref.)
Excitatory amino acid transmitters and their receptors in neural circuits of the cerebral neocortex. Tsumoto T. **Neurosci Res** 1990 Nov;9(2):79–102 (208 ref.)
Omega–conotoxin–sensitive voltage–operated calcium channels in vertebrate cells. Sher E, et al. **Neuroscience** 1991;42(2):301–7 (81 ref.)
Neuronal growth cones: an extended view. Smalheiser NR. **Neuroscience** 1990;38(1):1–11 (57 ref.)
The action potential: an effect of fuel cell reactions in the synapse. Nordenström BE. **Physiol Chem Phys Med NMR** 1989;21(4):265–78 (62 ref.)
Mesocorticolimbic dopaminergic network: functional and regulatory roles. Le Moal M, et al. **Physiol Rev** 1991 Jan; 71(1):155–234 (983 ref.)
Neuropharmacology of amyotrophic lateral sclerosis. Askmark H, et al. **Prog Brain Res** 1990;84:371–80 (88 ref.)
Injury and repair of central cholinergic neurons. Cuello AC, et al. **Prog Brain Res** 1990;84:301–11 (84 ref.)
Cellular and circuit basis of working memory in prefrontal cortex of nonhuman primates. Goldman–Rakic PS. **Prog Brain Res** 1990;85:325–35; discussion 335–6 (33 ref.)
Second–messenger responses associated with stimulation of neuronal muscarinic receptors expressed by a human neuroblastoma SH–SY5Y. Lambert DG, et al. **Prog Brain Res** 1990;84:31–42 (66 ref.)
Neuronal development in human prefrontal cortex in prenatal and postnatal stages. Mrzljak L, et al. **Prog Brain Res** 1990; 85:185–222 (156 ref.)
Receptors, phosphoinositol hydrolysis and plasticity of nerve cells. Pontzer NJ, et al. **Prog Brain Res** 1990;86:221–5 (20 ref.)
Neuronal responses to injury and aging: lessons from animal models. Price DL, et al. **Prog Brain Res** 1990;86:297–308 (143 ref.)
Taurine and mechanisms of cell volume regulation. Pasantes–Morales H, et al. **Prog Clin Biol Res** 1990; 351:317–28 (82 ref.)
Neuronal organization and information processing in the wind–sensitive cercal receptor/giant interneurone system of the locus and other orthopteroid insects. Boyan GS, et al. **Prog Neurobiol** 1990;35(3):217–43 (168 ref.)
Synaptic connections between medullary respiratory neurons and considerations on the genesis of respiratory rhythm. Ezure K. **Prog Neurobiol** 1990;35(6):429–50 (133 ref.)
The membrane of giant molluscan neurons: electrophysiologic properties and the origin of the resting potential. Marmor MF. **Prog Neurobiol** 1975;5(2):167–95 (121 ref.)
Neurophysiology and neuropharmacology of hypothalamic magnocellular neurons secreting vasopressin and oxytocin. Renaud LP, et al. **Prog Neurobiol** 1991;36(2):131–69 (630 ref.)
Axotomy–induced alterations in the electrophysiological characteristics of neurons. Titmus MJ, et al. **Prog Neurobiol** 1990;35(1):1–51 (345 ref.)
Responsiveness of locus ceruleus neurons to excitatory stimulation is uniquely regulated by alpha 2 receptors. Simson PE, et al. **Psychopharmacol Bull** 1988;24(3):349–54 (30 ref.)
Neuronal events paralleling functional recovery (compensation) following peripheral vestibular lesions. Precht W, et al. **Rev Oculomot Res** 1985;1:251–68 (0 ref.)
The coordinates of neurons in the vestibulo–ocular reflex. Robinson DA. **Rev Oculomot Res** 1985;1:297–311 (0 ref.)
Cooperative functions of vestibular nuclei neurons and floccular Purkinje cells in the control of nystagmus slow phase velocity: single cell recordings and lesion studies in the monkey. Waespe W, et al. **Rev Oculomot Res** 1985; 1:233–50 (0 ref.)
Computations underlying the execution of movement: a biological perspective. Bizzi E, et al. **Science** 1991 Jul 19; 253(5017):287–91 (20 ref.)
Immortalized neurons derived from tumors in transgenic mice [news] Calof AL. **Trends Neurosci** 1991 Jan;14(1):1–3 (21 ref.)
Olfactory neurogenesis: genetic or environmental controls? Farbman AI. **Trends Neurosci** 1990 Sep;13(9):362–5 (49 ref.)
The cellular basis of segmentation in the developing hindbrain. Lumsden A. **Trends Neurosci** 1990 Aug;

13(8):329–35 (36 ref.)
Stimulus classification by ensembles of climbing fiber receptive fields. Robertson LT, et al. **Trends Neurosci** 1991 Jun;14(6):248–54 (40 ref.)
Do calcium channel classifications account for neuronal calcium channel diversity? Swandulla D, et al. **Trends Neurosci** 1991 Feb;14(2):46–51 (67 ref.)
Lipoxygenase metabolites of arachidonic acid in neuronal transmembrane signalling. Piomelli D, et al. **Trends Pharmacol Sci** 1990 Sep;11(9):367–73 (37 ref.)
Retinal bipolar cells receive negative feedback input from GABAergic amacrine cells. Tachibana M, et al. **Vis Neurosci** 1988;1(3):297–305 (37 ref.)
[Estimation of neuronal cell viability by 23Na magnetic resonance spectroscopy] Naritomi H. **Nippon Rinsho** 1991 Jul;49(7):1680–4 (8 ref.) **(Jpn)**
[The molecular factors of the cell adhesion of neural tissues and the Ca2+-independent adhesion system] Dol'nikova AE, et al. **Ontogenez** 1990 Jul–Aug;21(4):358–67 (62 ref.) (Eng. Abstr.) **(Rus)**
[Serotonin receptors of the central neurons. The correlations of radioligand, biochemical and electrophysiological research] Abramets II. **Usp Fiziol Nauk** 1991 Apr–Jun; 22(2):124–33 (57 ref.) **(Rus)**
[The after reactions of the auditory system neurons] Al'tman IaA, et al. **Usp Fiziol Nauk** 1990 Oct–Dec;21(4):3–22 (81 ref.) **(Rus)**
[Cortical neuronal modules and their "self–assembly"] Batuev AS, et al. **Zh Vyssh Nerv Deiat** 1991 Mar–Apr;41(2):221–30 (20 ref.) (Eng. Abstr.) **(Rus)**
[The system of synaptic influences on the neocortical neurons in the conditioned reflex] Storozhuk VM. **Zh Vyssh Nerv Deiat** 1990 Sep–Oct;40(5):819–33 (59 ref.) **(Rus)**
[Neurochemistry of the mesencephalic substantia nigra: interrelations between excitatory amino acids, N–methyl–D–aspartate type receptors and intrinsic neuronal systems] Bustos G, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):59–64 (41 ref.) (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

Cellular replacement therapy for neurologic disorders: potential of genetically engineered cells. Chen LS, et al. **J Cell Biochem** 1991 Mar;45(3):252–7 (32 ref.)
Transplantation of embryonic dopamine neurons: what we know from rats [editorial] Dunnett SB. **J Neurol** 1991 Apr; 238(2):65–74 (102 ref.)

ULTRASTRUCTURE

The neuronal cytoskeleton in disorders of the motor neuron. Griffin JW, et al. **Adv Neurol** 1991;56:103–13 (59 ref.)
Vulnerability of the neuronal cytoskeleton in aging and Alzheimer disease: widespread involvement of all three major filament systems. Trojanowski JQ, et al. **Annu Rev Gerontol Geriatr** 1990;10:167–82 (59 ref.)
In vitro effects of 17 beta–oestradiol on the sensitivity of receptors coupled to adenylate cyclase on striatal neurons in primary culture. Maus M, et al. **Ciba Found Symp** 1990; 153:145–53; discussion 153–5 (27 ref.)
Some aspects of the neuronal cytoskeleton in development. Riederer BM. **Eur J Morphol** 1990;28(2–4):347–78 (288 ref.)
Neuronal growth cone migration. Devoto SH. **Experientia** 1990 Sep 15;46(9):916–22 (69 ref.)
Neuronal architecture, receptor and Ca2+ channel distribution in regenerating giant interneurons. Spira ME, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):125–40 (42 ref.)
Integration by the neuronal growth cone: a continuum from neuroplasticity to neuropathology. Kater SB, et al. **Prog Brain Res** 1990;86:117–28 (35 ref.)

NEURONS, AFFERENT

Airways vasodilatation in the immediate allergic reaction. Involvement of inflammatory mediators and sensory nerves. Alving K. **Acta Physiol Scand Suppl** 1991;597:1–64 (176 ref.)

CYTOLOGY

Developmental programmes of growth and survival in early sensory neurons. Davies AM, et al. **Philos Trans R Soc Lond [Biol]** 1991 Mar 29; 331(1261):259–62 (18 ref.)

DRUG EFFECTS

Capsaicin and primary afferent neurons: from basic science to human therapy? Maggi CA. **J Auton Nerv Syst** 1991 Apr;33(1):1–14 (93 ref.)
The pharmacology of the efferent function of sensory nerves. Maggi CA. **J Auton Pharmacol** 1991 Jun;11(3):173–208 (274 ref.)
Opioids can evoke direct receptor–mediated excitatory as well as inhibitory effects on sensory neuron action potentials. Crain SM, et al. **NIDA Res Monogr** 1991; 105:34–9 (21 ref.)
Capsaicin: cellular targets, mechanisms of action, and selectivity for thin sensory neurons. Holzer P. **Pharmacol Rev** 1991 Jun;43(2):143–201 (582 ref.)

METABOLISM

Direct opening of S–type K+ channels of Aplysia sensory neurons by 12–lipoxygenase metabolites. Volterra A, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:727–30 (10 ref.)
Arachidonate release consequent to bradykinin–stimulated phospholipid metabolism in dorsal root ganglion cells. Morell P, et al. **Biochem Soc Trans** 1991 Apr;19(2):411–6 (16 ref.)

MICROBIOLOGY

Biological and molecular aspects on herpes simplex virus latency. Lycke E. **Scand J Infect Dis Suppl** 1990;69:113–9 (32 ref.)

PHYSIOLOGY

Modulation of neurogenic inflammation by neutral endopeptidase. Nadel JA, et al. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S33–6 (47 ref.)
Plasticity of sensory and motor maps in adult mammals. Kaas JH. **Annu Rev Neurosci** 1991;14:137–67 (158 ref.)
Release of vasoactive peptides from autonomic and sensory nerves. Lundberg JM, et al. **Blood Vessels** 1991; 28(1–3):27–34 (34 ref.)
Startle response models of sensorimotor gating and habituation deficits in schizophrenia. Geyer MA, et al. **Brain Res Bull** 1990 Sep;25(3):485–98 (87 ref.)
Role of afferent renal nerves in the control of vasopressin secretion. Reid IA, et al. **Chin J Physiol** 1991;34(1):93–104 (45 ref.)
The dual function of capsaicin–sensitive sensory nerves in the bladder and urethra. Maggi CA. **Ciba Found Symp** 1990; 151:77–83; discussion 83–90 (21 ref.)
Cortical sensorimotor integration: a hypothesis. Batuev AS. **Int J Neurosci** 1989 Jan;44(1–2):53–7 (9 ref.)
Specification of synaptic connections mediating the simple stretch reflex. Frank E, et al. **J Exp Biol** 1990 Oct;153:71–84 (34 ref.)
Central synaptic transmission: studies at the connection between primary afferent fibres and dorsal spinocerebellar tract (DSCT) neurones in Clarke's column of the spinal cord. Walmsley B. **Prog Neurobiol** 1991;36(5):391–423 (139 ref.)
Electrosensory systems in fish. Heiligenberg W. **Synapse** 1990;6(2):196–206 (86 ref.)
[Neurophysiology of the primary sensory neuron] Tiengo M, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):339–40 (0 ref.) **(Ita)**

NEURONS, EFFERENT

CYTOLOGY

[Vestibular efferent neurons of the guinea pig forming projections into the saccule] Shumilina VF, et al. **Neirofiziologiia** 1990;22(5):657–65 (27 ref.) (Eng. Abstr.) **(Rus)**

NEURONS, SENSORY see **NEURONS, AFFERENT**

NEUROPATHIES, HEREDITARY MOTOR AND SENSORY

DIAGNOSIS

[Short–latency somatosensory evoked potentials and magnetic resonance imaging in the medial medullary syndrome] Hashimoto T, et al. **Rinsho Shinkeigaku** 1990 Jun;30(6):587–93 (30 ref.) (Eng. Abstr.) **(Jpn)**

EPIDEMIOLOGY

[Incidence of hereditary diseases of the nervous system among different populations (review of the literature)] Markova ED, et al. **Zh Nevropatol Psikhiatr** 1990; 90(9):113–9 (136 ref.) **(Rus)**

GENETICS

Hereditary motor and sensory neuropathies. Vance JM. **J Med Genet** 1991 Jan;28(1):1–5 (42 ref.)

NEUROPATHY, HEREDITARY MOTOR AND SENSORY TYPE IV see **REFSUM'S DISEASE**

NEUROPATHY, TYPE I HEREDITARY MOTOR AND SENSORY see **CHARCOT–MARIE DISEASE**

NEUROPEPTIDE Y

ANTAGONISTS & INHIBITORS

Neuropeptide Y and its receptor antagonists. Use of an analog mixture–screening strategy. Tatemoto K. **Ann N Y Acad Sci** 1990;611:1–6 (56 ref.)

BLOOD

Determination of plasma catecholamine and vasoactive peptide concentrations: clinical usefulness. Waeber B, et al. **Int J Rad Appl Instrum [B]** 1990;17(7):667–72 (25 ref.)

METABOLISM

Neuropeptide Y in cortex and striatum. Ultrastructural distribution and coexistence with classical neurotransmitters and neuropeptides. Aoki C, et al. **Ann N Y Acad Sci** 1990;611:186–205 (48 ref.)
Neuropeptide Y receptors: autoradiographic distribution in the brain and structure–activity relationships. Quirion R, et al. **Ann N Y Acad Sci** 1990;611:58–72 (78 ref.)

PHARMACOLOGY

In vitro effects of neuropeptide Y at the vascular neuroeffector junction. Westfall TC, et al. **Ann N Y Acad Sci** 1990;611:145–55 (31 ref.)
Pharmacology of noradrenaline and neuropeptide tyrosine (NPY)–mediated sympathetic cotransmission. Lundberg JM, et al. **Fundam Clin Pharmacol** 1990;4(4):373–91 (82 ref.)
Neuropeptide Y and behaviour: effects of intrastriatal NPY on circling behaviour of rats. Moore E, et al. **Pol J Pharmacol Pharm** 1990 Nov–Dec;42(6):521–5 (26 ref.)

PHYSIOLOGY

Neuropeptide Y: an overview of central distribution, functional aspects, and possible involvement in neuropsychiatric illnesses. Heilig M, et al. **Acta Psychiatr Scand** 1990 Aug;82(2):95–114 (265 ref.)
Regulation of MSH secretion by neuropeptide Y in amphibians. Danger JM, et al. **Ann N Y Acad Sci** 1990; 611:302–16 (61 ref.)
Neuropeptide Y and central cardiovascular regulation. Focus on its role as a cotransmitter in cardiovascular adrenergic neurons. Fuxe K, et al. **Ann N Y Acad Sci** 1990;611:111–32 (66 ref.)
Hypothalamic neuropeptide Y: a circuit in the regulation of gonadotropin secretion and feeding behavior. Kalra SP, et al. **Ann N Y Acad Sci** 1990;611:273–83 (59 ref.)
Regulation of the hypothalamo–pituitary axis by neuropeptide Y. Koenig JI. **Ann N Y Acad Sci** 1990; 611:317–28 (59 ref.)
Hypothalamic neuropeptide Y in relation to energy balance. Leibowitz SF. **Ann N Y Acad Sci** 1990;611:284–301 (122 ref.)
Neuropeptide Y and sympathetic neurotransmission. Lundberg JM, et al. **Ann N Y Acad Sci** 1990;611:166–74 (50 ref.)
Role of neuropeptide Y in reproductive function. McDonald JK. **Ann N Y Acad Sci** 1990;611:258–72 (36 ref.)
Neuropeptide Y in the circadian timing system. Moore RY, et al. **Ann N Y Acad Sci** 1990;611:247–57 (78 ref.)
Neuropeptide Y and memory processing. Morley JE, et al. **Ann N Y Acad Sci** 1990;611:226–31 (28 ref.)
Importance of neuropeptide Y in the regulation of kidney function. Persson PB, et al. **Ann N Y Acad Sci** 1990; 611:156–65 (42 ref.)
Involvement of placental neurohormones in human parturition. Petraglia F, et al. **Ann N Y Acad Sci** 1991; 622:331–40 (53 ref.)
Neuropeptide Y receptor subtypes, Y1 and Y2. Wahlestedt C, et al. **Ann N Y Acad Sci** 1990;611:7–26 (99 ref.)
Neuropeptide tyrosine in the cardiovascular system. Wharton J, et al. **Ann N Y Acad Sci** 1990;611:133–44 (50 ref.)
The role of neuropeptides in cardiovascular regulation. Ganten D, et al. **Cardiovasc Drugs Ther** 1991 Feb; 5(1):119–30 (108 ref.)
Role of atrial natriuretic peptides and neuropeptide Y in blood pressure regulation. Waeber B, et al. **Horm Res** 1990; 34(3–4):161–5 (31 ref.)
Neuropeptide Y: a missing link? Waeber B. **Hosp Pract [Off]** 1990 Nov 15;25(11):101–4, 108, 113–20 (10 ref.)
The role of neuropeptide Y in cardiovascular regulation. Walker P, et al. **Trends Pharmacol Sci** 1991 Mar;12(3):111–5 (44 ref.)
[Neuropeptide Y in the cardiovascular regulation] Zanin L, et al. **Cardiologia** 1990 Mar;35(3):199–201 (26 ref.) **(Ita)**

NEUROPEPTIDE Y–LIKE IMMUNOREACTIVE PEPTIDE see **NEUROPEPTIDE Y**

NEUROPEPTIDES

Atrial natriuretic peptide (ANP) as a neuropeptide: interaction with angiotensin II on volume control and renal sodium handling. Unger T, et al. **Br J Clin Pharmacol** 1990; 30 Suppl 1:83S–88S (35 ref.)
Isolation of achatin–I, a neuroactive tetrapeptide having a D–phenylalanine residue, from Achatina ganglia, and its effects on Achatina giant neurones. Kamatani Y, et al. **Comp Biochem Physiol [C]** 1991;98(1):97–103 (20 ref.)
Melanin–concentrating hormone: a general vertebrate neuropeptide. Baker BI. **Int Rev Cytol** 1991;126:1–47 (117 ref.)
[ACTH as a neuropeptide. The functional role of ACTH in the brain] Glebov RN, et al. **Patol Fiziol Eksp Ter** 1990 Jul–Aug;(4):54–7 (19 ref.) **(Rus)**

ANALYSIS

Neuronal markers in Hirschsprung's disease with special reference to neuropeptides. Larsson LT, et al. **Acta Histochem Suppl** 1990;38:115–25 (74 ref.)
Interrelation of peptidergic innervation with mast cells and ED1–positive cells in rat thymus. Müller S, et al.

Brain Behav Immun 1991 Mar;5(1):55–72 (97 ref.)
The neuroimmune link in the bronchus-associated lymphoid tissue (BALT) of cat and rat: peptides and neural markers. Nohr D, et al. **Brain Behav Immun** 1991 Mar;5(1):84–101 (70 ref.)
The neuroimmune connection in human tonsils. Weihe E, et al. **Brain Behav Immun** 1991 Mar;5(1):41–54 (69 ref.)
Mapping neuropeptide-containing pathways in the brain with special reference to data obtained from the rat limbic system. Arluison M, et al. **Int Rev Cytol** 1990;123:1–38 (205 ref.)
Neurotransmitters and neuropeptides in Alzheimer's disease. McDonald WM, et al. **Psychiatr Clin North Am** 1991 Jun; 14(2):421–42 (176 ref.)
[Neuropeptides and Alzheimer's disease] Jiménez A, et al. **Neurologia** 1991 Jan;6(1):17–24 (98 ref.) **(Spa)**

BIOSYNTHESIS

Production of neuropeptides by inflammatory cells within the granulomas of murine schistosomiasis mansoni. Weinstock JV. **Eur J Clin Invest** 1991 Apr;21(2):145–53 (126 ref.)

CHEMISTRY

Ernst Klenk Lecture, November 1987. Molecular studies in neuroscience: implications for medicine. Bloom FE. **Biol Chem Hoppe Seyler** 1991 Apr;372(4):245–54 (85 ref.)
Detection of neuropeptide release in the central nervous system with antibody microprobes. Duggan AW. **J Neurosci Methods** 1990 Sep;34(1–3):47–52 (8 ref.)
Microdialysis measurement of in vivo neuropeptide release. Kendrick KM. **J Neurosci Methods** 1990 Sep;34(1–3):35–46 (29 ref.)

GENETICS

The molecular evolution of neuropeptides: prospects for the '90s. Dores RM, et al. **Brain Behav Evol** 1990;36(2–3):80–99 (111 ref.)
Localization and regulation of mRNAs in the nervous tissue as revealed by in situ hybridization. Kawata M, et al. **Comp Biochem Physiol [C]** 1991;98(1):41–50 (117 ref.)
Molecular-biology approaches to genetic defects of the mammalian nervous system. Sutcliffe JG, et al. **Prog Nucleic Acid Res Mol Biol** 1991;41:241–58 (52 ref.)

IMMUNOLOGY

Antibodies to neuropeptides: biological effects and mechanisms of action. Tilders FJ, et al. **Adv Exp Med Biol** 1990;274:135–46 (47 ref.)
Neuropeptides, mast cells and allergy: novel mechanisms and therapeutic possibilities. Goetzl EJ, et al. **Clin Exp Allergy** 1990 Nov;20 Suppl 4:3–7 (52 ref.)

METABOLISM

Ernst Klenk Lecture, November 1987. Molecular studies in neuroscience: implications for medicine. Bloom FE. **Biol Chem Hoppe Seyler** 1991 Apr;372(4):245–54 (85 ref.)
The patterns of neurotransmitter and neuropeptide co-occurrence among striatal projection neurons: conclusions based on recent findings. Reiner A, et al. **Brain Res Brain Res Rev** 1990 Sep–Dec;15(3):251–65 (156 ref.)
Neutral endopeptidase modulates neurogenic inflammation. Nadel JA. **Eur Respir J** 1991 Jun;4(6):745–54 (86 ref.)
Neuropeptide hormone receptors: strategies for identification. Richter D, et al. **J Recept Res** 1991;11(1–4):483–505 (32 ref.)
Proteolysis in neuropeptide processing. Wiśniewski K, et al. **Pol J Pharmacol Pharm** 1990 Nov–Dec;42(6):547–51 (35 ref.)
The granin (chromogranin/secretogranin) family. Huttner WB, et al. **Trends Biochem Sci** 1991 Jan;16(1):27–30 (46 ref.)
Neuroactive peptides as markers of retinal ganglion cell populations that differ in anatomical organization and function. Kuljis RO, et al. **Vis Neurosci** 1988;1(1):73–81 (40 ref.)
[Neuropeptides and regulation of various proto-oncogenes in cultured anterior pituitary cells] Gourdji D. **Ann Endocrinol (Paris)** 1990;51(3–4):126–9 (10 ref.) (Eng. Abstr.) **(Fre)**
[The role of neuropeptides in asthma] Underner M, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1990;127(1):51–61 (78 ref.) **(Fre)**

PHARMACOLOGY

Peptidergic vasodilator nerves in the peripheral circulation and in the vascular beds of the heart and brain. Owman C. **Blood Vessels** 1990;27(2–5):73–93 (148 ref.)
A new vasoconstrictor peptide, endothelin: profiles as vasoconstrictor and neuropeptide. Shigeno T, et al. **Cerebrovasc Brain Metab Rev** 1990 Fall;2(3):227–39 (96 ref.)
Animal conflict, analgesia and the modulatory effects of FMRFamide-related peptides. Kavaliers M. **NIDA Res Monogr** 1991;105:250–6 (21 ref.)
FMRF-NH2 like mammalian octapeptide in opiate dependence and withdrawal. Malin DH, et al. **NIDA Res Monogr** 1991;105:271–7 (12 ref.)
The actions of FMRF-NH2 and FMRF-NH2 related peptides on mammals. Raffa RB. **NIDA Res Monogr** 1991; 105:243–9 (37 ref.)
FMRF-NH2-like peptides antiopiates. Yang HY, et al. **NIDA Res Monogr** 1991;105:257–63 (24 ref.)
How do neuropeptides alter cognitive performance? Sahgal A. **Pol J Pharmacol Pharm** 1990 Nov–Dec;42(6):527–35 (19 ref.)
G protein activation: a receptor-independent mode of action for cationic amphiphilic neuropeptides and venom peptides [see comments] Mousli M, et al. **Trends Pharmacol Sci** 1990 Sep;11(9):358–62 (39 ref.) Comment in: Trends Pharmacol Sci 1990 Oct;11(10):400–1.

PHYSIOLOGY

Regulatory peptides in the thyroid gland—a review on their localization and function. Ahrén B. **Acta Endocrinol (Copenh)** 1991 Mar;124(3):225–32 (82 ref.)
Tracing of neuroendocrine peptides and their corresponding mRNA's: unravelling the neuroendocrine network. Larsson LI. **Acta Histochem Suppl** 1990;38:9–14 (28 ref.)
The regulation of excitability by second messengers and protein kinases in peptidergic neurons of Aplysia. Fisher TE, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:41–4 (13 ref.)
Neuropeptide signalling and cell-surface peptidases. Turner AJ. **Adv Second Messenger Phosphoprotein Res** 1990; 24:467–71 (23 ref.)
Neuropeptides as modulators of airway function. Barnes PJ. **Agents Actions Suppl** 1990;31:175–96 (83 ref.)
Neuropeptides and pain. Carr DB, et al. **Agressologie** 1990 Apr;31(4):173–7 (56 ref.)
Neuroendocrine design of the gut. Debas HT, et al. **Am J Surg** 1991 Feb;161(2):243–9 (20 ref.)
Neuropeptides and asthma. Barnes PJ. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S28–32 (88 ref.)
Influence of peptides on anorectal function. Christiansen J, et al. **Ann Med** 1990 Dec;22(6):413–8 (58 ref.)
The synapsins. De Camilli P, et al. **Annu Rev Cell Biol** 1990; 6:433–60 (96 ref.)
Neuropeptides and neurotransmitters in Alzheimer's disease: focus on corticotrophin releasing factor. Doraiswamy PM, et al. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):59–77 (52 ref.)
Innervation and effects of dilatory neuropeptides on cerebral vessels. New aspects. Edvinsson L. **Blood Vessels** 1991; 28(1–3):35–45 (81 ref.)
Neuropeptide growth factors and cancer. Woll PJ. **Br J Cancer** 1991 Mar;63(3):469–75 (146 ref.)
Neurotransmitter signaling of cells of the immune system: important progress, major gaps. Felten DL. **Brain Behav Immun** 1991 Mar;5(1):2–8 (0 ref.)
The neuro-B cell link of peptidergic innervation in the Bursa Fabricii. Zentel HJ, et al. **Brain Behav Immun** 1991 Mar; 5(1):132–47 (56 ref.)
The 1990 Endre Balazs Lecture. Effects of some neuropeptides on the uvea. Anders B. **Exp Eye Res** 1991 Jul;53(1):3–11 (56 ref.)
Role of galanin in the gut. Rattan S. **Gastroenterology** 1991 Jun;100(6):1762–8 (69 ref.)
Neuropeptides and nasal secretion. Baraniuk JN, et al. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 2):620–7 (78 ref.)
Neuropeptides and the lung. Casale TB. **J Allergy Clin Immunol** 1991 Jul;88(1):1–14 (133 ref.)
Towards a functional significance of peptides and biogenic amines produced by the anterior pituitary. Houben H, et al. **J Endocrinol Invest** 1990 Nov;13(10):855–63 (76 ref.)
Diazepam binding inhibitor (DBI): a peptide with multiple biological actions. Costa E, et al. **Life Sci** 1991;49(5):325–44 (82 ref.)
Neuropeptides synthesised in the anterior pituitary: possible paracrine role. O'Halloran DJ, et al. **Mol Cell Endocrinol** 1991 Jan;75(1):C7–12 (94 ref.)
Recent advances in research on sensory peptides and capsaicin mechanisms. A conference report. Maggi CA, et al. **Neurosci Lett** 1991 Jan 28;122(2):199–201 (9 ref.)
Peptidergic innervation of the cerebral circulation. Role in subarachnoid hemorrhage in man. Edvinsson L, et al. **Neurosurg Rev** 1990;13(4):265–72 (43 ref.)
Neuropeptides. Moore MR, et al. **Neurosurg Rev** 1991; 14(2):97–110 (0 ref.)
Neuropeptides in platyhelminths. Fairweather I, et al. **Parasitology** 1991;102 Suppl:S77–92 (140 ref.)
Role of regulatory peptides in parasitic platyhelminths and their vertebrate hosts: possible novel factors in host-parasite interactions. Shaw C, et al. **Parasitology** 1991; 102 Suppl:S93–105 (63 ref.)
Neuropeptides in the nematode Ascaris suum. Stretton AO, et al. **Parasitology** 1991;102 Suppl:S107–16 (50 ref.)
Structural and functional aspects of acetylcholine peptide coexistence in the autonomic nervous system. Lindh B, et al. **Prog Brain Res** 1990;84:175–91 (101 ref.)
AIDS as a neuropeptide disorder: peptide T, VIP, and the HIV receptor. Pert CB, et al. **Psychopharmacol Bull** 1988; 24(3):315–9 (28 ref.)
Multiple peptides in cutaneous nerves: regulators under physiological conditions and a pathogenetic role in skin disease? Weihe E, et al. **Semin Dermatol** 1988 Dec; 7(4):284–300 (79 ref.)
Neural and endocrine peptides in the transplanted heart. Wharton J, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul; 2(3):250–8 (66 ref.)
From behavior to molecules: an integrated approach to the study of neuropeptides. Tublitz N, et al. **Trends Neurosci** 1991 Jun;14(6):254–9 (37 ref.)
Neuropeptides and inflammatory bowel disease. Eysselein VE, et al. **Z Gastroenterol Verh** 1991 Mar;26:253–7 (51 ref.)
[A new member in neuropeptides: galanin] Fu XW. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul;21(3):231–4 (45 ref.) **(Chi)**
[Modulation of immune function by neurotransmitters and neuropeptides] Qiu YH, et al. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):21–4 (35 ref.) **(Chi)**
[Mechanisms of action of various neuropeptides on anterior pituitary cells. Electrophysiologic and microspectrofluorometric approach] Dufy B, et al. **Ann Endocrinol (Paris)** 1990;51(3–4):130–2 (19 ref.) **(Fre)**
[Atrial natriuretic peptide (ANP)—its action in the body as a hormone and neuropeptide] Czekalski S. **Acta Physiol Pol** 1989;40 Suppl 34:85–97 (71 ref.) **(Pol)**
[Interrelations between the enzyme system and the action of neuropeptides] Lipkowski AW, et al. **Acta Physiol Pol** 1989;40 Suppl 34:29–43 (73 ref.) **(Pol)**
[Neuropeptides and the immune system] Stępień H. **Acta Physiol Pol** 1989;40 Suppl 34:44–54 (45 ref.) **(Pol)**
[Role of pancreatic peptides—neuropeptide Y, polypeptide YY and neurotensin, vasoactive intestinal peptide, and substance P in the body] Baranowska B. **Pol Tyg Lek** 1990 Feb 19–26;45(8–9):185–8 (62 ref.) **(Pol)**
[Progress in the field of peptide hormones through the eyes of an internist] Gibiński K. **Pol Tyg Lek** 1990 Feb 19–26; 45(8–9):151–5 (21 ref.) **(Pol)**
[Brain neuropeptides and age-related pathology] Burchinskiĭ SG. **Klin Med (Mosk)** 1991 May;69(5):23–9 (58 ref.) **(Rus)**
[Neuropeptides and the hemato-encephalic barrier] Mar'ianovich AT, et al. **Usp Fiziol Nauk** 1991 Apr–Jun; 22(2):33–51 (119 ref.) **(Rus)**

SECRETION

Release of vasoactive peptides from autonomic and sensory nerves. Lundberg JM, et al. **Blood Vessels** 1991; 28(1–3):27–34 (34 ref.)
The rat testis—a source of hypothalamic neuropeptide-like factor. Damian E. **Endocrinologie** 1990 Jul–Dec; 28(3–4):207–9 (0 ref.)
[Neuropeptides of anterior pituitary origin] Peillon F, et al. **Ann Endocrinol (Paris)** 1990;51(3–4):133–6 (20 ref.) (Eng. Abstr.) **(Fre)**
[Neurotrophic factors secreted from the central nervous system] Akoev GN, et al. **Usp Fiziol Nauk** 1990 Oct–Dec; 21(4):138–42 (28 ref.) **(Rus)**

THERAPEUTIC USE

[The APUD system and the prospects for using neuropeptides in the clinic (a review of the literature)] Pisarev AA, et al. **Vrach Delo** 1990 Oct;(10):69–75 (55 ref.) **(Rus)**

NEUROPHARMACOLOGY

METHODS

Quantitative EEG in human neuropharmacology. Rationale, history, and recent developments. Sannita WG. **Acta Neurol (Napoli)** 1990 Oct;12(5):389–409 (113 ref.)

TRENDS

[Neuropharmacology yesterday, today and tomorrow] Borodkin IuS, et al. **Fiziol Zh SSSR** 1990 Dec; 76(12):1730–7 (17 ref.) (Eng. Abstr.) **(Rus)**

NEUROPHYSINS

PHYSIOLOGY

[Mechanisms regulating the biosynthesis and release of neurohormones of the neurohypophysis] Guzek JW. **Acta Physiol Pol** 1989;40 Suppl 34:11–28 (89 ref.) **(Pol)**

NEUROPHYSIOLOGY

see related
SENSATION

INSTRUMENTATION

[Evaluation of sympathetic nervous activity in humans] Grassi G, et al. **G Ital Cardiol** 1990 Nov;20(11):1038–43 (28 ref.) **(Ita)**

TRENDS

[Swift development of neurology] Grillner S, et al. **Lakartidningen** 1990 Sep 5;87(36):2777–8, 2781–6 (42 ref.) **(Swe)**

NEUROPSYCHOLOGICAL TESTS

Selection criteria for epilepsy surgery psychometric evaluation. Polkey CE. **Acta Neurochir Suppl (Wien)** 1990; 50:72–5 (26 ref.)
Changes in memory processes of dementia patients. Zandi T. **Adv Exp Med Biol** 1990;282:89–100 (57 ref.)
Distinctive aspects of cognitive dysfunction in Parkinson's

disease. Growdon JH, et al. **Adv Neurol** 1990;53:365–76 (74 ref.)
Spatial cognition in Parkinson disease. Levin BE. **Alzheimer Dis Assoc Disord** 1990 Fall;4(3):161–70 (47 ref.)
Assessment of competency: the role of neurobehavioral deficits. Freedman M, et al. **Ann Intern Med** 1991 Aug 1;115(3):203–8 (27 ref.)
Neuropsychological testing for evaluation of brain aging. Derouesné C. **Ann Med Interne (Paris)** 1990;141 Suppl 1:27–30 (28 ref.)
The relationship between neuropsychological function and brain damage detected by neuroimaging after closed head injury. Wilson JT. **Brain Inj** 1990 Oct–Dec;4(4):349–63 (66 ref.)
Neuropsychological assessment of cognitive functioning in children with epilepsy. Rugland AL. **Epilepsia** 1990;31 Suppl 4:S41–4 (24 ref.)
Cognitive deficits in children: adaptive behavior and treatment techniques. Strang JD. **Epilepsia** 1990;31 Suppl 4:S54–8 (17 ref.)
Review of neurobehavioral assessment tools. Hilton G. **Heart Lung** 1991 Sep;20(5 Pt 1):436–42 (39 ref.)
Neuropsychiatric aspects of stroke. Beckson M, et al. **Int J Psychiatry Med** 1991;21(1):1–15 (86 ref.)
The neuropsychiatry of Wilson's disease: a review. Dening TR. **Int J Psychiatry Med** 1991;21(2):135–48 (65 ref.)
The dexamethasone suppression test in Alzheimer's disease and major depression: relationship to dementia severity, depression, and CSF monoamines. Molchan SE, et al. **Int Psychogeriatr** 1990 Fall;2(2):99–122 (80 ref.)
Occupational neurotoxicology: some neuropsychological issues and challenges. Hawkins KA. **J Clin Exp Neuropsychol** 1990 Oct;12(5):664–80 (50 ref.)
Clinical trials in Alzheimer's disease. A report from the Medical Research Council Alzheimer's Disease Clinical Trials Committee. Swash M, et al. **J Neurol Neurosurg Psychiatry** 1991 Feb;54(2):178–81 (30 ref.)
Use of monkey neonatal neurobehavioral test batteries in safety testing protocols. Golub MS. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):537–41 (19 ref.)
Approaches for assessing the validity of a functional observational battery. Moser VC. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):483–8 (24 ref.)
Neurobehavioral assessment during the early postnatal period. Spear LP. **Neurotoxicol Teratol** 1990 Sep–Oct; 12(5):489–95 (43 ref.)
Behavioral assessment and treatment of brain-impaired individuals. Franzen MD. **Prog Behav Modif** 1991;27:56–85 (117 ref.)
Behavioral approaches to neuropsychological rehabilitation. McGlynn SM. **Psychol Bull** 1990 Nov;108(3):420–41 (90 ref.)
The evolution of neurobehavioural complications of HIV infection [editorial] Grant I, et al. **Psychol Med** 1990 Nov; 20(4):747–54 (57 ref.)
Amnesia: lesion location and functional deficit--what is the link? [editorial] Mayes A. **Psychol Med** 1991 May; 21(2):293–7 (25 ref.)
Neuroleptics: effects on neuropsychological function in chronic schizophrenic patients. Cassens G, et al. **Schizophr Bull** 1990;16(3):477–99 (70 ref.)
Neurobehavioral studies in schizophrenia: implications for regional brain dysfunction. Gur RE, et al. **Schizophr Bull** 1990;16(3):445–51 (45 ref.)
[Neuropsychological sequelae in children treated for brain tumor] Langue J, et al. **Pediatrie** 1991;46(1):101–8 (19 ref.) (Eng. Abstr.) **(Fre)**
[The concept of amnesia and quantitative assessment of amnesic disorders] Metzler P, et al. **Fortschr Neurol Psychiatr** 1991 Jun;59(6):207–15 (75 ref.) (Eng. Abstr.) **(Ger)**
[Minor neurological signs in obsessive-compulsive disorders] Conde López V, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1990 May-Jun;18(3):143–64 (43 ref.) (Eng. Abstr.) **(Spa)**

METHODS

Modern approaches to neuropsychological testing. Berent S. **Adv Neurol** 1991;55:423–37 (46 ref.)
Psychological assessment versus psychological testing. Validation from Binet to the school, clinic, and courtroom. Matarazzo JD. **Am Psychol** 1990 Sep;45(9):999–1017 (63 ref.)
Use of computerized test batteries for quantifying neurobehavioral outcomes. Letz R. **Environ Health Perspect** 1991 Jan;90:195–8 (25 ref.)
Neuropsychological aspects of learning disabilities in epilepsy. Aldenkamp AP, et al. **Epilepsia** 1990;31 Suppl 4:S9–20 (104 ref.)

STATISTICS & NUMERICAL DATA

Statement concerning the NIMH neuropsychological battery. Adams KM, et al. **J Clin Exp Neuropsychol** 1990 Dec; 12(6):960–2 (0 ref.)
Assessment of AIDS-related cognitive changes: recommendations of the NIMH Workshop on Neuropsychological Assessment Approaches. Butters N, et al. **J Clin Exp Neuropsychol** 1990 Dec;12(6):963–78 (33 ref.)

NEUROPSYCHOLOGY

Application of psychophysiology in clinical neuropsychology. Levine MJ, et al. **Ann N Y Acad Sci** 1991;620:208–16 (32 ref.)
Cognitive neuropsychology. Resolving enigmas about Wernicke's aphasia and other higher cortical disorders. Margolin DI. **Arch Neurol** 1991 Jul;48(7):751–65 (206 ref.)
Neuropsychology. Costello A. **Br J Psychiatry** 1990 Sep; 157:461–3 (32 ref.)
Neuropsychological systems deficits and the isomorphism of control. Leisman G. **Int J Neurosci** 1990 Sep;54(1–2):35–40 (12 ref.)

TRENDS

"Perestroika" in the basal forebrain: opening the border between neurology and psychiatry. Heimer L, et al. **Prog Brain Res** 1991;87:109–65 (404 ref.)

NEURORADIOGRAPHY

METHODS

Advances in the treatment of complex cerebrovascular disorders by interventional neurovascular techniques. Higashida RT, et al. **Circulation** 1991 Feb;83(2 Suppl):I196–206 (53 ref.)

NEURORECEPTORS see **RECEPTORS, SENSORY**

NEUROREGULATOR RECEPTORS see **RECEPTORS, NEUROHUMOR**

NEUROREGULATORS

see related
NEUROIMMUNOMODULATION
SLOW-REACTING SUBSTANCES

Overview. Purinergic mechanisms. Burnstock G. **Ann N Y Acad Sci** 1990;603:1–17; discussion 18 (145 ref.)
Purine nucleosides and nucleotides as central nervous system modulators. Adenosine as the prototypic paracrine neuroactive substance. Williams M. **Ann N Y Acad Sci** 1990; 603:93–107 (122 ref.)
Evolutionary aspects of transmitter molecules, their receptors and channels. Walker RJ, et al. **Parasitology** 1991;102 Suppl:S7–29 (230 ref.)
Neuromodulatory and trophic actions of taurine. Oja SS, et al. **Prog Clin Biol Res** 1990;351:69–76 (22 ref.)
Taurine as a neuromodulator in the insect central nervous system. Strang RH, et al. **Prog Clin Biol Res** 1990; 351:227–35 (13 ref.)

ANALYSIS

Immunohistochemistry of central respiratory neurotransmitters. Holtman JR Jr. **Am J Physiol** 1991 Jun; 260(6 Pt 1):L374–80 (71 ref.)
Chromatographic methods for the analysis of basic neurotransmitters and their acidic metabolites. Yi Z, et al. **Biomed Chromatogr** 1991 May;5(3):101–7 (101 ref.)
Brain dialysis of neurotransmitters: a commentary. Di Chiara G. **J Neurosci Methods** 1990 Sep;34(1–3):29–34 (29 ref.)
In vivo electrochemical measurements in the CNS. Adams RN. **Prog Neurobiol** 1990;35(4):297–311 (153 ref.)
Microdialysis. Introduction. Crawley JN. **Prog Neuropsychopharmacol Biol Psychiatry** 1990;14 Suppl:S1–4 (20 ref.)
Neurotransmitters and neuropeptides in Alzheimer's disease. McDonald WM, et al. **Psychiatr Clin North Am** 1991 Jun; 14(2):421–42 (176 ref.)
[Methodological considerations in microdialysis] Nakahara D, et al. **Yakubutsu Seishin Kodo** 1991 Feb;11(1):1–16 (66 ref.) (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Role of G proteins, cyclic AMP, and ion channels in the inhibition of transmitter release by adenosine. Fredholm BB, et al. **Ann N Y Acad Sci** 1990;604:276–88 (44 ref.)

BIOSYNTHESIS

Synthesis of transmitter glutamate and the glial-neuron interrelationship. Torgner I, et al. **Mol Chem Neuropathol** 1990 Jan;12(1):11–7 (35 ref.)

BLOOD

Hemodynamic and neurohumoral effects of ibopamine in patients with chronic congestive heart failure. López-Sendón J. **Cardiology** 1990;77 Suppl 5:9–21 (54 ref.)
Overflow of catecholamine neurotransmitters to the circulation: source, fate, and functions. Esler M, et al. **Physiol Rev** 1990 Oct;70(4):963–85 (219 ref.)

CHEMISTRY

Measurement of the in vitro release of endogenous monoamine neurotransmitters as a means of identification of prejunctional receptors. Middlemiss DN, et al. **J Neurosci Methods** 1990 Sep;34(1–3):23–8 (48 ref.)

IMMUNOLOGY

Neuromodulation of mucosal immunity. Stanisz AM, et al. **Reg Immunol** 1989 Nov–Dec;2(6):414–9 (52 ref.)

ISOLATION & PURIFICATION

In-vivo brain dialysis of neurotransmitters. Di Chiara G. **Trends Pharmacol Sci** 1990 Mar;11(3):116–21 (39 ref.)

METABOLISM

Brain monoamines and their metabolites in dementia. Gottfries CG. **Acta Neurol Scand Suppl** 1990;129:8–11 (9 ref.)
Homocysteic acid as transmitter candidate in the mammalian brain and excitatory amino acids in epilepsy. Cuénod M, et al. **Adv Exp Med Biol** 1990;268:57–63 (54 ref.)
The efficacy of levodopa treatment declines in the course of Parkinson's disease: do nondopaminergic lesions play a role? Agid Y, et al. **Adv Neurol** 1990;53:83–100 (135 ref.)
New developments in the pathology of Parkinson's disease. Jellinger K. **Adv Neurol** 1990;53:1–16 (71 ref.)
Neuropharmacological and clinical aspects of alcohol withdrawal. Nutt DJ, et al. **Ann Med** 1990;22(4):275–81 (106 ref.)
Transmitter release from sympathetic nerve terminals on an impulse-by-impulse basis and presynaptic receptors. Brock JA, et al. **Ann N Y Acad Sci** 1990;604:176–87 (32 ref.)
Presynaptic modulation of sympathetic neurotransmitter release by modulators of cyclic 3',5'-guanosine monophosphate in canine vascular smooth muscle. Greenberg SS, et al. **Ann N Y Acad Sci** 1990;604:305–22 (98 ref.)
Prostaglandins and the release of the adrenergic transmitter. Malik KU, et al. **Ann N Y Acad Sci** 1990;604:222–36 (72 ref.)
On the role of adenylate cyclase in presynaptic modulation of neurotransmitter release mediated by monoamine and opioid receptors in the brain. Mulder AH, et al. **Ann N Y Acad Sci** 1990;604:237–49 (60 ref.)
Ernst Klenk Lecture, November 1987. Molecular studies in neuroscience: implications for medicine. Bloom FE. **Biol Chem Hoppe Seyler** 1991 Apr;372(4):245–54 (85 ref.)
Treatment of Alzheimer's disease. Molecular pathology versus neurotransmitter-based therapy. Bowen DM. **Br J Psychiatry** 1990 Sep;157:327–30 (21 ref.)
The patterns of neurotransmitter and neuropeptide co-occurrence among striatal projection neurons: conclusions based on recent findings. Reiner A, et al. **Brain Res Brain Res Rev** 1990 Sep–Dec;15(3):251–65 (156 ref.)
Presynaptic nicotinic receptors and the modulation of transmitter release. Wonnacott S, et al. **Ciba Found Symp** 1990;152:87–101; discussion 102–5 (43 ref.)
What determines the time course of neurotransmitter release in fast synapses? Parnas I, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec;1(1–4):19–30 (28 ref.)
Brain markers and suicide: can a relationship be found? Little KY, et al. **J Forensic Sci** 1990 Nov;35(6):1393–403 (45 ref.)
In vivo voltammetry with micro-biosensors for analysis of neurotransmitter release and metabolism. Crespi F. **J Neurosci Methods** 1990 Sep;34(1–3):53–65 (26 ref.)
Fast cyclic voltammetry: measuring transmitter release in 'real time'. Stamford JA. **J Neurosci Methods** 1990 Sep; 34(1–3):67–72 (25 ref.)
Mechanism of Alzheimer's disease: arguments for a neurotransmitter-aluminium complex implication. Deloncle R, et al. **Neurochem Res** 1990 Dec;15(12):1239–45 (85 ref.)
"Upstream" regulation of the release probability in sympathetic nerve varicosities. Stjärne L, et al. **Neuroscience** 1990;36(3):571–87 (131 ref.)
Neurotransmitters in the cerebral cortex. Parnavelas JG. **Prog Brain Res** 1990;85:13–29 (137 ref.)
Development of substance P (SP)-containing cells in the central nervous system: consequences of neurotransmitter co-localization. Jonakait GM, et al. **Prog Neurobiol** 1991; 36(1):1–21 (98 ref.)
Senile dementia and presenile dementia. Nakamura S. **Tohoku J Exp Med** 1990 Aug;161 Suppl:49–60 (25 ref.)
The release and uptake of excitatory amino acids [see comments] Nicholls D, et al. **Trends Pharmacol Sci** 1990 Nov;11(11):462–8 (40 ref.) Comment in: Trends Pharmacol Sci 1990 Dec;11(12):477–8.
Schizophrenia: a neurotransmitter imbalance syndrome? Carlsson A. **Yakubutsu Seishin Kodo** 1990 Mar;10(1):35–42 (36 ref.)
[Molecular basis of disease in old age and possibilities of its therapy] Valcháť M. **Cesk Psychiatr** 1990 Jun;86(3):195–204 (66 ref.) **(Cze)**
[Modifications in neurotransmission in degenerative dementias] Maloteaux JM. **Acta Psychiatr Belg** 1989 May-Aug;89(3–4):186–93 (32 ref.) **(Fre)**
[Neurohumoral aspects of the pathogenesis of hemorrhagic shock] Grässler J. **Z Med Lab Diagn** 1990;31(5):273–83 (56 ref.) **(Ger)**
[Active transport of neurotransmitters by synaptic vesicles] Moriyama Y. **Seikagaku** 1991 Mar;63(3):202–7 (20 ref.) **(Jpn)**

PHARMACOLOGY

Pertussis toxin-sensitive G-proteins: participation in the modulation of voltage-dependent Ca2+ channels by hormones and neurotransmitters. Rosenthal W, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:89-94 (28 ref.)

FMRF-NH2 like mammalian octapeptide in opiate dependence and withdrawal. Malin DH, et al. **NIDA Res Monogr** 1991;105:271-7 (12 ref.)

The actions of FMRF-NH2 and FMRF-NH2 related peptides on mammals. Raffa RB. **NIDA Res Monogr** 1991; 105:243-9 (37 ref.)

[Pharmacology-biochemistry and physiopathology of tardive dyskinesia: review of the latest findings and controversies] Gómez-Galera A. **Arch Biol Med Exp (Santiago)** 1988 Jun; 21(1):65-9 (35 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Monoamines and schizophrenia. Sedvall G. **Acta Psychiatr Scand Suppl** 1990;358:7-13 (17 ref.)

Peripheral neurohumoral factors and central control of homeostasis during altered sodium intake. Aguilera G. **Adv Exp Med Biol** 1990;274:227-42 (51 ref.)

The nigrostriatal system in Parkinson's disease. Graybiel AM, et al. **Adv Neurol** 1990;53:17-29 (29 ref.)

Neurohumoral activation in congestive heart failure. Mancia G. **Am Heart J** 1990 Dec;120(6 (Pt 2)):1532-7 (30 ref.)

Hemodynamic and neurohumoral responses to acute hypovolemia in conscious mammals. Schadt JC, et al. **Am J Physiol** 1991 Feb;260(2 Pt 2):H305-18 (152 ref.)

Neuroendocrine design of the gut. Debas HT, et al. **Am J Surg** 1991 Feb;161(2):243-9 (20 ref.)

ATP as a cotransmitter. Westfall DP, et al. **Ann N Y Acad Sci** 1990;603:300-10 (83 ref.)

Mechanisms of altered hormone-neurotransmitter action during aging: from receptors to calcium mobilization. Roth GS. **Annu Rev Gerontol Geriatr** 1990;10:132-46 (81 ref.)

Neurotransmitters in nociceptive modulatory circuits. Fields HL, et al. **Annu Rev Neurosci** 1991;14:219-45 (190 ref.)

Neuropeptides and neurotransmitters in Alzheimer's disease: focus on corticotrophin releasing factor. Doraiswamy PM, et al. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):59-77 (52 ref.)

Commentary: a behavioral, psychopharmacological, and neurochemical update on the Flinders Sensitive Line rat, a potential genetic animal model of depression. Overstreet DH. **Behav Genet** 1991 Jan;21(1):67-74 (24 ref.)

Unexpected plasticity at autonomic junctions. Environmental regulation of neurotransmitter phenotype and receptor expression. Grant MP, et al. **Biochem Pharmacol** 1991 Feb 1;41(3):323-31 (121 ref.)

Anti-idiotypic antibodies against hormone and neurotransmitter receptors. Couraud PO, et al. **Biochem Soc Trans** 1991 Feb;19(1):147-51 (24 ref.)

Novel neuronal neurotransmitter-specific cell-surface molecules. Docherty M. **Biochem Soc Trans** 1991 Feb; 19(1):87-91 (19 ref.)

Neurotransmitters and stress. Goldstein DS. **Biofeedback Self Regul** 1990 Sep;15(3):243-71 (26 ref.)

Monoamines and abnormal behaviour. A multi-aminergic perspective. van Praag HM, et al. **Br J Psychiatry** 1990 Nov;157:723-34 (110 ref.)

Histochemical strategies in the study of neural evolution. Brauth SE. **Brain Behav Evol** 1990;36(2-3):100-15 (85 ref.)

Transmitter release: prepackaging and random mechanism or dynamic and deterministic process. Kriebel ME, et al. **Brain Res Brain Res Rev** 1990 May-Aug;15(2):167-78 (94 ref.)

Pain and neurotransmitters. Otsuka M, et al. **Cell Mol Neurobiol** 1990 Sep;10(3):293-302 (52 ref.)

Neurohumoral regulation of collateral perfusion. Harrison DG, et al. **Circulation** 1991 May;83(5 Suppl):III62-7 (20 ref.)

Neurotransmitters and neuromodulators controlling the anterior byssus retractor muscle of Mytilus edulis. Muneoka Y, et al. **Comp Biochem Physiol [C]** 1991;98(1):105-14 (53 ref.)

Transmitter interactions in the central cholinergic control of blood pressure regulation. Varagic VM, et al. **Drug Metabol Drug Interact** 1991;9(1):49-76 (114 ref.)

An introduction to the functional neurochemistry of the auditory system. Musiek FE, et al. **Ear Hear** 1990 Dec; 11(6):395-402 (46 ref.)

Antidepressants. Current concepts of mode of action. Léonard BE. **Encephale** 1991 May-Jun;17 Spec No 1:127-31 (42 ref.)

Effects of neurotransmitters on tracheobronchial blood flow. Salonen RO, et al. **Eur Respir J Suppl** 1990 Dec; 12:630s-636s; discussion 636s-637s (50 ref.)

Neurobiology of schizophrenic syndromes [see comments] Garza-Treviño ES, et al. **Hosp Community Psychiatry** 1990 Sep;41(9):971-80 (101 ref.) Comment in: Hosp Community Psychiatry 1991 Apr;42(4):429.

Single-channel studies of glutamate receptors. Sansom MS, et al. **Int Rev Neurobiol** 1990;32:51-106 (200 ref.)

Glutamic acid and gamma-aminobutyric acid neurotransmitters in central control of breathing. Kazemi H, et al. **J Appl Physiol** 1991 Jan;70(1):1-7 (55 ref.)

Mediators of vasogenic brain edema. Wahl M, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan-Dec; 1(1-4):221-33 (77 ref.)

Central neuroregulation of hypothalamic corticotropin-releasing hormone (CRH-41) secretion. Tsagarakis S, et al. **J Endocrinol Invest** 1990 Oct; 13(9):765-75 (80 ref.)

Local mechanisms of blood flow control by perivascular nerves and endothelium. Burnstock G. **J Hypertens Suppl** 1990 Dec;8(7):S95-106 (142 ref.)

PET: its clinical role in neurology [editorial] Brooks D. **J Neurol Neurosurg Psychiatry** 1991 Jan;54(1):1-5 (63 ref.)

Biochemical aspects of bulimia nervosa. Goldbloom DS, et al. **J Psychosom Res** 1991;35 Suppl 1:11-22 (92 ref.)

Modulation of NMDA receptor responsiveness by neurotransmitters, drugs and chemical modification. Reynolds IJ. **Life Sci** 1990;47(20):1785-92 (73 ref.)

Neurotransmitter plasticity in the sympathetic nervous system: influence of external factors and possible physiological implications. Zurn AD. **Life Sci** 1991; 48(19):1799-808 (92 ref.)

Regulation of neurotransmitter receptor desensitization by protein phosphorylation. Huganir RL, et al. **Neuron** 1990 Nov;5(5):555-67 (93 ref.)

Moving ahead yet falling behind. A critical appraisal of some trends in contemporary depression research. van Praag HM. **Neuropsychobiology** 1989;22(4):181-93 (48 ref.)

Involvement of the amygdaloid complex in neuromodulatory influences on memory storage. McGaugh JL, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):425-31 (60 ref.)

Excitatory amino acid transmitters and their receptors in neural circuits of the cerebral neocortex. Tsumoto T. **Neurosci Res** 1990 Nov;9(2):79-102 (208 ref.)

Atrial natriuretic factor is a new neuromodulatory peptide. Debinski W, et al. **Neuroscience** 1990;36(1):15-20 (75 ref.)

Neurobiology of arthropod parasites. Harrow ID, et al. **Parasitology** 1991;102 Suppl:S59-69 (90 ref.)

Neurobiology of parasitic platyhelminths: possible solutions to the problems of correlating structure with function. Pax RA, et al. **Parasitology** 1991;102 Suppl:S31-9 (57 ref.)

Multiple cholecystokinin (CCK) receptors and CCK-monoamine interactions are instrumental in the control of feeding. Cooper SJ, et al. **Physiol Behav** 1990 Dec;48(6):849-57 (78 ref.)

Role of neurotransmitters in the central regulation of the cardiovascular system. McCall RB. **Prog Drug Res** 1990; 35:25-84 (285 ref.)

The electrophysiology of adenosine in the mammalian central nervous system. Greene RW, et al. **Prog Neurobiol** 1991; 36(4):329-41 (93 ref.)

Cysteine sulphinate (CSA) as an excitatory amino acid transmitter candidate in the mammalian central nervous system. Griffiths R. **Prog Neurobiol** 1990;35(4):313-23 (96 ref.)

Neural substrates of latent inhibition: the switching model. Weiner I. **Psychol Bull** 1990 Nov;108(3):442-61 (250 ref.)

Neurotransmitter and neuromodulator systems involved in vestibular compensation. Flohr H, et al. **Rev Oculomot Res** 1985;1:269-77 (0 ref.)

The role of interactions between the cholinergic system and other neuromodulatory systems in learning and memory. Decker MW, et al. **Synapse** 1991 Feb;7(2):151-68 (235 ref.)

Use of embryonic heart grafted in oculo to assess neurohumoral controls of cardiac development. Tucker DC, et al. **Toxicol Pathol** 1990;18(4 Pt 1):531-40 (41 ref.)

Activity-dependent modulation of nerve terminal excitation in a mammalian peptidergic system. Bourque CW. **Trends Neurosci** 1991 Jan;14(1):28-30 (21 ref.)

Actions of identified neuromodulatory neurons in a simple motor system. Katz PS, et al. **Trends Neurosci** 1990 Sep; 13(9):367-73 (45 ref.)

Target regulation of neurotransmitter phenotype. Landis SC. **Trends Neurosci** 1990 Aug;13(8):344-50 (53 ref.)

The changing scene of neurotrophic factors. Thoenen H. **Trends Neurosci** 1991 May;14(5):165-70 (53 ref.)

[Modulation of immune function by neurotransmitters and neuropeptides] Qiu YH, et al. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):21-4 (35 ref.) **(Chi)**

[New mechanism of action of neurotransmitters] Yang SZ. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):373-4 (13 ref.) **(Chi)**

[Mediator substances of brain edema in cerebral ischemia] Baethmann A, et al. **Arzneimittelforschung** 1991 Mar; 41(3A):310-5 (25 ref.) (Eng. Abstr.) **(Ger)**

[Studies by molecular and developmental biotechnology of biologically active peptides involved in blood pressure control and neurotransmission] Nakanishi S. **Jikken Dobutsu** 1991 Jan;40(1):1-6 (19 ref.) **(Jpn)**

[Central neurotransmitters and regulation of gastric acid secretion] Osumi Y. **Nippon Yakurigaku Zasshi** 1990 Nov; 96(5):205-16 (83 ref.) (Eng. Abstr.) **(Jpn)**

[Extra-hormonal aspects of the central action of thyroliberin (TRH)] Przegaliński E. **Acta Physiol Pol** 1989;40 Suppl 34:115-26 (39 ref.) **(Pol)**

[Changes in hormone and neurotransmitter action with aging] Rot Dzh. **Fiziol Zh** 1990 Sep-Oct;36(5):82-9 (58 ref.) (Eng. Abstr.) **(Rus)**

[The significance of disorders of neurohumoral regulation in the pathogenesis of acute cholecystitis] Sorokin AS, et al. **Klin Khir** 1990;(9):43-7 (78 ref.) **(Rus)**

[The neurophysiological, behavioral and humoral correlates of "animal hypnosis"] Krasnoperov OV, et al. **Usp Fiziol Nauk** 1991 Apr-Jun;22(2):90-102 (56 ref.) **(Rus)**

[The brain mediator systems and the mechanisms of the formation of extinction inhibition] Shugalev NP. **Usp Fiziol Nauk** 1990 Jul-Sep;21(3):59-78 (223 ref.) **(Rus)**

[Neuroendocrine regulation of the immune system] Juránková E. **Cesk Fysiol** 1991;40(2):173-87 (110 ref.) **(Slo)**

SECRETION

The role of protein kinase C substrate B-50 (GAP-43) in neurotransmitter release and long-term potentiation. De Graan PN, et al. **Adv Exp Med Biol** 1990;268:347-58 (93 ref.)

Involvement of the gamma subtype of protein kinase C in GABA release from the cerebellum. Taniyama K, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:399-404 (43 ref.)

The role of calcium in neurotransmitter release: existing models and new approaches to evaluate possible mechanisms. Atlas D. **Curr Top Cell Regul** 1990;31:129-59 (175 ref.)

Receptor-mediated regulation of calcium channels and neurotransmitter release. Miller RJ. **FASEB J** 1990 Dec; 4(15):3291-9 (97 ref.)

On the contribution of mathematical models to the understanding of neurotransmitter release. Parnas H, et al. **Int Rev Neurobiol** 1990;32:1-50 (166 ref.)

THERAPEUTIC USE

Neurotransmitters and diseases of the brain. Perry EK. **Br J Hosp Med** 1991 Feb;45(2):73-83 (63 ref.)

NEUROSCIENCES

[Molecular genetics: a new approach of clinical neurosciences] Brice A, et al. **Rev Neurol (Paris)** 1991; 147(1):1-16 (90 ref.) (Eng. Abstr.) **(Fre)**

TRENDS

The psychotherapies in the context of new developments in the neurosciences and biological psychiatry. Gottschalk LA. **Am J Psychother** 1990 Jul;44(3):321-39 (111 ref.)

The self and its brain. McClelland RJ. **Ulster Med J** 1990 Oct;59(2):110-8 (17 ref.)

NEUROSECRETION

see related
PITUITARY HORMONE-RELEASING HORMONES

PHYSIOLOGY

Neuroendocrine rhythms. Hastings MH. **Pharmacol Ther** 1991;50(1):35-71 (349 ref.)

NEUROSECRETORY SYSTEMS

see related
NEUROIMMUNOMODULATION
NEUROSECRETION

The neuroendocrine system of the gut--an update. Sundler F, et al. **Acta Oncol** 1991;30(4):419-27 (65 ref.)

CHEMISTRY

Synaptophysin. A widespread constituent of small neuroendocrine vesicles and a new tool in tumor diagnosis. Wiedenmann B. **Acta Oncol** 1991;30(4):435-40 (52 ref.)

DRUG EFFECTS

Neuroendocrine pharmacology of serotonergic (5-HT) neurons. Van de Kar LD. **Annu Rev Pharmacol Toxicol** 1991;31:289-320 (235 ref.)

Neuroendocrine (HPA) and gastrointestinal effects of opiate antagonists: possible therapeutic application. Kreek MJ, et al. **NIDA Res Monogr** 1991;105:168-74 (30 ref.)

GROWTH & DEVELOPMENT

The role of zinc in neuroendocrine-immune interactions during aging. Fabris N, et al. **Ann N Y Acad Sci** 1991; 621:314-26 (50 ref.)

METABOLISM

ATP compartmentation in neuroendocrine secretory vesicles. Unsworth CD, et al. **Ann N Y Acad Sci** 1990;603:353-63; discussion 364-5 (31 ref.)

Neuroendocrine metabolism of progesterone and related progestins. Karavolas HJ, et al. **Ciba Found Symp** 1990; 153:22-44; discussion 44-55 (25 ref.)

Structural and functional similarities of opiate receptors of neural and immune origin. Carr DJ, et al. **NIDA Res Monogr** 1990;96:122-130 (41 ref.)

Aging: hypothalamic catecholamines, neuroendocrine-immune interactions, and dietary restriction. Meites J. **Proc Soc Exp Biol Med** 1990 Dec; 195(3):304-11 (60 ref.)

Neuroendocrine hypothesis of antidepressant action of ECT. Fink M. **Psychopharmacol Bull** 1988;24(3):400-2 (12 ref.)

PATHOLOGY

The clinical forms of systemic neuroendocrine pathology (neuroendocrine cybernosis). Milcu SM. **Rev Roum Physiol** 1990 Jan-Mar;27(1):55-60 (24 ref.)

PHYSIOLOGY

Neuroendocrine markers in pathology. Heitz PU. **Acta Histochem Suppl** 1990;38:35-43 (40 ref.)

Tracing of neuroendocrine peptides and their corresponding mRNA's: unravelling the neuroendocrine network. Larsson LI. **Acta Histochem Suppl** 1990;38:9-14 (28 ref.)

Neuroendocrinology of interleukin-1. Berkenbosch F, et al. **Adv Exp Med Biol** 1990;274:303-14 (80 ref.)

Blood-brain barrier and neuroendocrine regulations. Ježová D, et al. **Adv Exp Med Biol** 1990;274:41-58 (52 ref.)

Neuroendocrine mechanisms in the thermogenic responses to diet, infection, and trauma. Rothwell NJ. **Adv Exp Med Biol** 1990;274:371-80 (75 ref.)

Cardiac hormones and neuroendocrine function. Samson WK. **Adv Exp Med Biol** 1990;274:177-90 (98 ref.)

Neuroendocrine-immune interactions. Kelley KW, et al. **Adv Vet Sci Comp Med** 1990;35:283-305 (115 ref.)

Effects of human growth hormone on reproductive and neuroendocrine functions in transgenic mice. Bartke A, et al. **Biotechnology** 1991;16:237-48 (34 ref.)

Neuroendocrine mechanisms and cardiovascular homeostasis in the elderly. Phillips PA, et al. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1209-13 (44 ref.)

Neuroendocrine control of prolactin secretion: the role of the serotonergic system. Pan JT. **Chin J Physiol** 1991; 34(1):45-64 (89 ref.)

Hormones common to the neuroendocrine and immune systems. Carr DJ, et al. **Drug Des Deliv** 1989 May; 4(3):187-95 (40 ref.)

Regulatory links between immune and neuroendocrine systems. Besedovsky H, et al. **Immunol Ser** 1989;45:479-90 (78 ref.)

A molecular basis for intersystem communication between the immune and neuroendocrine systems. Carr DJ, et al. **Int Rev Immunol** 1989 Jun;4(3):213-28 (93 ref.)

5-HT neuroendocrine responses during psychotropic drug treatment: an investigation of the effects of lithium. Cowen PJ, et al. **J Neurosci Methods** 1990 Sep;34(1-3):201-5 (27 ref.)

Histaminergic system: neuroendocrine function of brain histamine. Cacabelos R. **Methods Find Exp Clin Pharmacol** 1990 Jun;12(5):341-76 (246 ref.)

Sensory receptors as a special class of hormonal cells. Pang SF, et al. **Neuroendocrinology** 1991;53 Suppl 1:2-11 (79 ref.)

Serotonin receptors and neuroendocrine responses. Fuller RW. **Neuropsychopharmacology** 1990 Oct-Dec; 3(5-6):495-502 (76 ref.)

Neuroendocrine mechanisms involved in regulation of body weight, food intake and metabolism. Steffens AB, et al. **Neurosci Biobehav Rev** 1990 Fall;14(3):305-13 (87 ref.)

Neuroendocrine rhythms. Hastings MH. **Pharmacol Ther** 1991;50(1):35-71 (349 ref.)

[Psychoimmunology. II. The neuroendocrine system and the immune system in autism and schizophrenia] Francesetti G, et al. **Minerva Psichiatr** 1991 Apr-Jun;32(2):75-82 (44 ref.) (Eng. Abstr.) **(Ita)**

[Psychoimmunology. I. Relationships between neuroendocrine and immune systems] Gecele M, et al. **Minerva Psichiatr** 1991 Apr-Jun;32(2):59-73 (178 ref.) (Eng. Abstr.) **(Ita)**

[Neuropeptides and the immune system] Stępień H. **Acta Physiol Pol** 1989;40 Suppl 34:44-54 (45 ref.) **(Pol)**

[The endocrine hypothalamus] Zurnadzhi IuN. **Arkh Patol** 1991;53(1):3-8 (57 ref.) (Eng. Abstr.) **(Rus)**

[Role of the neuroendocrine system in aging] Meites D. **Fiziol Zh** 1990 Sep-Oct;36(5):70-6 (50 ref.) (Eng. Abstr.) **(Rus)**

[The transventricular pathway of hypothalamic neurohormone distribution--the most ancient mechanism of neurohormonal regulation] Polenov AL, et al. **Zh Evol Biokhim Fiziol** 1990 May-Jun;26(3):405-20 (68 ref.) **(Rus)**

PHYSIOPATHOLOGY

Neuroendocrine activity in congestive heart failure. Francis GS. **Am J Cardiol** 1990 Oct 2;66(11):33D-38D; discussion 38D-39D (64 ref.)

Neuroendocrine correlates of stress-related amenorrhea. Genazzani AR, et al. **Ann N Y Acad Sci** 1991;626:125-9 (39 ref.)

How behavioral stress disrupts the endocrine control of reproduction in domestic animals. Moberg GP. **J Dairy Sci** 1991 Jan;74(1):304-11 (49 ref.)

Morphology and functional activity of gastroenteropancreatic neuroendocrine tumours. Klöppel G, et al. **Recent Results Cancer Res** 1990;118:27-36 (24 ref.)

[Neuroendocrine adaptations in chronic congestive heart failure] Castaigne A, et al. **Presse Med** 1991 Mar 30; 20(12):556-61 (33 ref.) (Eng. Abstr.) **(Fre)**

[Neuroendocrine factors in postpartum blues] D'Addato F, et al. **Minerva Psichiatr** 1991 Apr-Jun;32(2):83-7 (30 ref.) (Eng. Abstr.) **(Ita)**

[The neuroendocrine and neurotrophic changes in combined brain concussion and locomotor trauma (a review of the literature)] Kalishchuk TN, et al. **Vrach Delo** 1990 Jul; (7):62-7 (54 ref.) **(Rus)**

[Diagnostic and therapeutic management and results of the neuroendocrine factor in sterility] Nava y Sánchez RM, et al. **Ginecol Obstet Mex** 1991 Mar;59:75-80 (39 ref.) (Eng. Abstr.) **(Spa)**

NEUROSES see **NEUROTIC DISORDERS**

NEUROSES, ANXIETY see **ANXIETY DISORDERS**

NEUROSES, PHOBIC see **PHOBIC DISORDERS**

NEUROSES, POST-TRAUMATIC see **STRESS DISORDERS, POST-TRAUMATIC**

NEUROSES, WAR see **COMBAT DISORDERS**

NEUROSIS, DEPRESSIVE see **DEPRESSIVE DISORDER**

NEUROSIS, HYPOCHONDRIACAL see **HYPOCHONDRIASIS**

NEUROSIS, OBSESSIVE-COMPULSIVE see **OBSESSIVE-COMPULSIVE DISORDER**

NEUROSPORA CRASSA

GENETICS

Premeiotic instability of repeated sequences in Neurospora crassa. Selker EU. **Annu Rev Genet** 1990;24:579-613 (93 ref.)

The Wilhelmine E. Key 1989 invitational lecture. Organization and regulation of the qa (quinic acid) genes in Neurospora crassa and other fungi. Giles NH, et al. **J Hered** 1991 Jan-Feb;82(1):1-7 (32 ref.)

Of moulds and men, or two fingers are not better than one. Scazzocchio C. **Trends Genet** 1990 Oct;6(10):311-3 (18 ref.)

METABOLISM

Glutamine metabolism and cycling in Neurospora crassa. Mora J. **Microbiol Rev** 1990 Sep;54(3):293-304 (109 ref.)

PHYSIOLOGY

Circadian rhythms in Neurospora crassa: biochemistry and genetics. Lakin-Thomas PL, et al. **Crit Rev Microbiol** 1990; 17(5):365-416 (296 ref.)

NEUROSURGERY

Electrophysiological monitoring of neural functions during neurosurgery. Palma V, et al. **Acta Neurol (Napoli)** 1990 Dec;12(6):481-504 (176 ref.)

The value of intraoperative ultrasound in neurosurgery. Sutcliffe JC. **Br J Neurosurg** 1991;5(2):169-78 (33 ref.)

Neuro anaesthesia--a review of the basic principles and current practices. Walters FJ. **Cent Afr J Med** 1990 Feb; 36(2):44-51 (27 ref.)

Implications of the human genome project for clinical neurosurgery. Cantor CR. **Clin Neurosurg** 1991;37:173-8 (5 ref.)

[Intraoperative use of ultrasound in neurosurgery] Tange MR, et al. **Ugeskr Laeger** 1991 May 27;153(22):1562-7 (24 ref.) (Eng. Abstr.) **(Dan)**

[Monitoring management of nosocomial infections in a neurosurgical department] Malavaud S, et al. **Agressologie** 1990;31(8 Spec No):525-8 (10 ref.) (Eng. Abstr.) **(Fre)**

[Antishock trousers in the prevention of air embolism] Meyer P, et al. **Ann Fr Anesth Reanim** 1990;9(6):475-9 (23 ref.) (Eng. Abstr.) **(Fre)**

LEGISLATION & JURISPRUDENCE

Legal issues in the practice of neurology and neurosurgery. Benoit BG, et al. **Can J Neurol Sci** 1990 Nov;17(4):434-9 (9 ref.)

METHODS

The petrosal approach. Malis LI. **Clin Neurosurg** 1991; 37:528-40 (6 ref.)

Anterior approaches to the craniocervical junction. Menezes AH. **Clin Neurosurg** 1991;37:756-69 (29 ref.)

Management of anterior skull base tumors. Spetzler RF, et al. **Clin Neurosurg** 1991;37:490-501 (23 ref.)

[Research in risk assessment in neurosurgery] Dauch WA, et al. **Neurochirurgia (Stuttg)** 1991 Mar;34(2):45-52 (96 ref.) (Eng. Abstr.) **(Ger)**

TRENDS

Advances in the treatment of complex cerebrovascular disorders by interventional neurovascular techniques. Higashida RT, et al. **Circulation** 1991 Feb;83(2 Suppl):I196-206 (53 ref.)

Gangliosides: the relevance of current research to neurosurgery. Rodden FA, et al. **J Neurosurg** 1991 Apr; 74(4):606-19 (175 ref.)

[Retrospect of neurosurgery in past 40 years in China] Zhao YD. **Chung Hua Wai Ko Tsa Chih** 1991 Jan;29(1):44-6 (0 ref.) **(Chi)**

NEUROSYPHILIS

Spirochetal infection of the central nervous system. Coyle PK, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):731-46 (55 ref.)

COMPLICATIONS

Syphilis. Musher D. **Pediatr Infect Dis J** 1990 Oct;9(10):768-9 (4 ref.)

[Late neurosyphilis: a current disease] Chemouilli P, et al. **Rev Med Interne** 1989 Nov-Dec;10(6):503-8 (54 ref.) (Eng. Abstr.) **(Fre)**

[Infarction of the pons, neurosyphilis and HIV infection] Labauge R, et al. **Rev Neurol (Paris)** 1991;147(5):406-8 (22 ref.) (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Syphilis, neurosyphilis, penicillin, and AIDS. Musher DM. **J Infect Dis** 1991 Jun;163(6):1201-6 (17 ref.)

NEUROTENSIN

PHYSIOLOGY

The electrophysiological actions of neurotensin in the central nervous system. Stowe ZN, et al. **Life Sci** 1991; 49(14):987-1002 (136 ref.)

Neurotensin-dopamine interactions: relevance to schizophrenia and the action of antipsychotic drugs. Stowe ZN, et al. **Yakubutsu Seishin Kodo** 1991 Feb;11(1):49-59 (105 ref.)

NEUROTIC DISORDERS

CLASSIFICATION

Categorical and unitary classification of neurotic disorder [see comments] Roth M. **J R Soc Med** 1990 Oct; 83(10):609-14 (43 ref.) Comment in: J R Soc Med 1991 May;84(5):319-20.

The division of neurosis: a failed classification. Tyrer PJ. **J R Soc Med** 1990 Oct;83(10):614-6 (23 ref.)

COMPLICATIONS

[Neuroses and disorders of sexual functions in men (review of of the literature] Goloburda AV. **Zh Nevropatol Psikhiatr** 1991;91(5):107-11 (91 ref.) **(Rus)**

DIAGNOSIS

[Functional syndromes in internal medicine. Epidemiology, etiology, pathogenesis, psychodynamics and differential diagnosis] Köhle K. **Internist (Berl)** 1991 Jan;32(1):3-11 (31 ref.) **(Ger)**

ETIOLOGY

Concepts and controversies about the transference neurosis. Panel report. **J Am Psychoanal Assoc** 1991;39(1):227-39 (4 ref.)

[Psychiatric disorders in resuscitation units] Perla E. **Agressologie** 1991;32(2):103-13 (44 ref.) (Eng. Abstr.) **(Fre)**

[Causality of neurotic and psychosomatic diseases (see comments)] Bräutigam W. **Z Psychosom Med Psychoanal** 1990;36(3):195-209 (28 ref.) Comment in: Z Psychosom Med Psychoanal 1990;36(30);210-2. Comment in: Z Psychosom Med Psychoanal 1990;36(3):213-5. Comment in: Z Psychosom Med Psychoanal 1990;36(3):216-22. Comment in: Z Psychosom Med Psychoanal 1990;36(3):223-9. Comment in: Z Psychosom Med Psychoanal 1990;36(3):230-6. Comment in: Z Psychosom Med Psychoanal 1990;36(3):237-9. **(Ger)**

REHABILITATION

[Psychiatric aspect of rehabilitation of patients after cerebro-spinal injury (review of the literature)] Dobrokhotova TA, et al. **Zh Nevropatol Psikhiatr** 1990;90(12):94-100 (142 ref.) **(Rus)**

THERAPY

[Multiple psychotherapy--how many therapists are needed?] Langegger F. **Schweiz Arch Neurol Psychiatr** 1990; 141(6):557-66 (60 ref.) (Eng. Abstr.) **(Ger)**

NEUROTIZATION see **NERVE TRANSFER**

NEUROTOXINS

Mechanism of the neurotoxicity of MPTP. An update. Singer TP, et al. **FEBS Lett** 1990 Nov 12;274(1-2):1-8 (58 ref.)

Long-latency neurodegenerative disease in the western Pacific. Spencer PS, et al. **Geriatrics** 1991 Aug;46 Suppl 1:37-42 (63 ref.)

Slow toxins, biologic markers, and long-latency neurodegenerative disease in the western Pacific region. Spencer PS, et al. **Neurology** 1991 May;41(5 Suppl 2):62-6; discussion 66-8 (63 ref.)

Do environmental toxins cause Parkinson's disease? A critical review. Tanner CM, et al. **Neurology** 1990 Oct;40(10 Suppl

3):suppl 17–30; discussion 30–1 (145 ref.)
Worksite behavioral research. Results, sensitive methods, test batteries and the transition from laboratory data to human health. Anger WK. **Neurotoxicology** 1990 Winter; 11(4):627–717 (411 ref.)

ADVERSE EFFECTS

Occupational neurotoxicology: some neuropsychological issues and challenges. Hawkins KA. **J Clin Exp Neuropsychol** 1990 Oct;12(5):664–80 (50 ref.)
The role of environmental factors in neurodegenerative disorders. Henneberry R, et al. **Neurobiol Aging** 1991 Jan–Feb;12(1):75–9 (13 ref.)

BIOSYNTHESIS

Involvement of free radicals in dementia of the Alzheimer type: a hypothesis. Volicer L, et al. **Neurobiol Aging** 1990 Sep–Oct;11(5):567–71 (66 ref.)

CHEMISTRY

Neurotoxic kinins from wasp and ant venoms. Piek T. **Toxicon** 1991;29(2):139–49 (46 ref.)

METABOLISM

Macromolecular sites for specific neurotoxins and drugs on chemosensitive synapses and electrical excitation in biological membranes. Albuquerque EX, et al. **Ion Channels** 1988;1:95–162 (270 ref.)
Structure and biological activity of botulinum neurotoxin. DasGupta BR. **J Physiol (Paris)** 1990;84(3):220–8 (56 ref.)

PHARMACOLOGY

Voltage-sensitive sodium channels: agents that perturb inactivation gating. Agnew WS, et al. **Ann N Y Acad Sci** 1991;625:200–23 (60 ref.)
Effects of selective neurotoxins on eye growth in the young chick. Ehrlich D, et al. **Ciba Found Symp** 1990;155:63–84; discussion 84–8 (23 ref.)
Presynaptic effects of toxins. Harvey AL. **Int Rev Neurobiol** 1990;32:201–39 (252 ref.)
Mast cell degranulating peptide: a multi-functional neurotoxin. Ziai MR, et al. **J Pharm Pharmacol** 1990 Jul; 42(7):457–61 (39 ref.)
The action of toxins on the voltage-gated sodium channel. Janiszewski L. **Pol J Pharmacol Pharm** 1990 Nov–Dec; 42(6):581–8 (24 ref.)
Excitotoxin-mediated neuron death in youth and old age. Olney JW. **Prog Brain Res** 1990;86:37–51 (77 ref.)

POISONING

Cholinesterase activity in domestic animals as a potential biomonitor for nerve agent and other organophosphate exposure. Munro NB, et al. **J Am Vet Med Assoc** 1991 Jul 1;199(1):103–15 (69 ref.)

TOXICITY

Neurotoxic effect of MDMA on brain serotonin neurons: evidence from neurochemical and radioligand binding studies. De Souza EB, et al. **Ann N Y Acad Sci** 1990; 600:682–97; discussion 697–8 (28 ref.)
Neurotoxicity of MDMA and related compounds: anatomic studies. Molliver ME, et al. **Ann N Y Acad Sci** 1990; 600:649–61; discussion 661–4 (64 ref.)
Neurotoxicity of MDMA: neurochemical effects. Schmidt CJ, et al. **Ann N Y Acad Sci** 1990;600:665–80; discussion 680–1 (34 ref.)
Excitotoxicity: an overview. Olney JW. **Can Dis Wkly Rep** 1990 Sep;16 Suppl 1E:47–57; discussion 57–8 (101 ref.)
Neurotoxins from venoms of the Hymenoptera—twenty-five years of research in Amsterdam. Piek T. **Comp Biochem Physiol [C]** 1990;96(2):223–33 (69 ref.)
Neurotoxicants and gamma-aminobutyric acid receptors. Ho IK, et al. **J Toxicol Sci** 1990 Dec;15 Suppl 4:3–13 (45 ref.)
Oxygen radicals: common mediators of neurotoxicity. LeBel CP, et al. **Neurotoxicol Teratol** 1991 May–Jun;13(3):341–6 (68 ref.)
Additional mycotoxins of potential importance to human and animal health. Richard JL. **Vet Hum Toxicol** 1990;32 Suppl:63–9; discussion 69–70 (70 ref.)

NEUROTRANSMITTER RECEPTORS see **RECEPTORS, SYNAPTIC**

NEUROTRANSMITTERS see **NEUROREGULATORS**

NEUTRON ACTIVATION ANALYSIS

METHODS

High precision in-vivo neutron activation analysis: a new era for compartmental analysis in body composition. Pierson RN Jr, et al. **Basic Life Sci** 1990;55:317–25 (19 ref.)

NEUTRONS

Gamma scintigraphy and neutron activation techniques in the in vivo assessment of orally administered dosage forms. Digenis GA, et al. **Crit Rev Ther Drug Carrier Syst** 1991; 7(4):309–45 (59 ref.)
Neutron scattering: progress and prospects. Axe JD. **Science** 1991 May 10;252(5007):795–802 (68 ref.)

THERAPEUTIC USE

Monte Carlo methods of neutron beam design for neutron capture therapy at the MIT Research Reactor (MITR-II). Clement SD, et al. **Basic Life Sci** 1990;54:51–69 (20 ref.)
Clinical considerations for neutron capture therapy of brain tumors. Madoc-Jones H, et al. **Basic Life Sci** 1990;54:23–35 (10 ref.)
Tumor targeting agents for neutron capture therapy. Soloway AH, et al. **Basic Life Sci** 1990;54:37–47 (25 ref.)

NEUTROPENIA

Neutrophils in the newborn: normal characteristics and quantitative disorders. Hajjar FM. **Semin Perinatol** 1990 Oct;14(5):374–83 (39 ref.)

CHEMICALLY INDUCED

[Evaluation of hematologic side effects of anti-infective therapy: agranulocytosis caused by beta-lactam antibiotics, vancomycin and amodiaquine] Eich G, et al. **Infection** 1991; 19 Suppl 1:S33–7 (26 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Empiric treatment of fungal infections in the neutropenic host. Review of the literature and guidelines for use. Sugar AM. **Arch Intern Med** 1990 Nov;150(11):2258–64 (43 ref.)
Disseminated Trichosporon capitatum infection in a patient with acute leukemia undergoing bone marrow transplantation. Liu KL, et al. **Bone Marrow Transplant** 1990 Sep;6(3):219–21 (25 ref.)
Role of glycopeptide antibiotics in the treatment of febrile neutropenic patients. Smith SR, et al. **Br J Haematol** 1990 Dec;76 Suppl 2:54–6 (17 ref.)
Neutrophil dysfunction in glycogen storage disease Ib: association with Crohn's-like colitis. Couper R, et al. **Gastroenterology** 1991 Feb;100(2):549–54 (30 ref.)
Selective decontamination in intensive care practice: a review of clinical experience. Ramsay G, et al. **Intensive Care Med** 1990;16 Suppl 3:S217–23 (51 ref.)
Update on infections in neutropenic hosts. Gulick PG. **J Am Osteopath Assoc** 1990 Oct;90(10):920–5 (32 ref.)
Prevention of infection by ciprofloxacin in neutropenia. Warren RE, et al. **J Antimicrob Chemother** 1990 Dec;26 Suppl F:109–23 (66 ref.)
Problems in the diagnosis of invasive fungal diseases. Rinaldi MG. **Rev Infect Dis** 1991 May–Jun;13(3):493–5 (6 ref.)
Leptotrichia buccalis bacteremia in patients with cancer: report of four cases and review. Weinberger M, et al. **Rev Infect Dis** 1991 Mar–Apr;13(2):201–6 (45 ref.)
Teicoplanin therapy in children: a review. Bassetti D, et al. **Scand J Infect Dis Suppl** 1990;72:35–7 (12 ref.)
Antimicrobial chemoprophylaxis in immunocompromised patients. Frøland SS. **Scand J Infect Dis Suppl** 1990; 70:130–40 (42 ref.)
[Infection in the neutropenic patient] López A, et al. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:34–40 (63 ref.) **(Spa)**
[Infection in patients with immunodeficiencies] Arikan S. **Mikrobiyol Bul** 1990 Jul;24(3):279–94 (17 ref.) (Eng. Abstr.) **(Tur)**

DIAGNOSIS

[Immune neutropenias of infancy and childhood—update on diagnosis and treatment] Israeli S, et al. **Harefuah** 1990 Jul; 119(1–2):23–5 (36 ref.) **(Heb)**

DRUG THERAPY

Anesthetic considerations in patients receiving colony-stimulating factors (G-CSF and GM-CSF). Tobias JD, et al. **Anesthesiology** 1991 Sep;75(3):536–8 (19 ref.)
Colony-stimulating factors. Gordon MS, et al. **Curr Opin Oncol** 1990 Dec;2(6):1152–8 (22 ref.)
Granulocyte-macrophage colony-stimulating factor in neutropenia. Hogan KR, et al. **DICP** 1991 Jan;25(1):32–5 (18 ref.)
Towards improved cancer therapy using subcutaneously administered hemopoietic colony stimulating factors. Morstyn G, et al. **Prog Clin Biol Res** 1990;354B:29–36 (12 ref.)
[Use of hematopoietic growth factors in oncology] Delmer A, et al. **Bull Cancer (Paris)** 1991;78(2):115–31 (72 ref.) (Eng. Abstr.) **(Fre)**
[GM-CSF and G-CSF: cytokines in clinical application] Ruef C, et al. **Schweiz Med Wochenschr** 1991 Mar 23; 121(12):397–412 (120 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Neutropenia in patients infected with human immunodeficiency virus. Israel DS, et al. **Clin Pharm** 1991 Apr;10(4):268–79 (104 ref.)

GENETICS

A new familial immunodeficiency disorder characterized by severe neutropenia, a defective marrow release mechanism, and hypogammaglobulinemia. Wetzler M, et al. **Am J Med** 1990 Nov;89(5):663–72 (38 ref.)

THERAPY

Clinical use of biologic response modifiers in cancer treatment: an overview. Part II. Colony-stimulating factors and interleukin-2. Balmer CM. **DICP** 1991 May;25(5):490–8 (87 ref.)

NEUTROPHIL-ACTIVATING PEPTIDE, LYMPHOCYTE-DERIVED see **INTERLEUKIN-8**

NEUTROPHIL-ACTIVATING PEPTIDE, MONOCYTE-DERIVED see **INTERLEUKIN-8**

NEUTROPHIL-ACTIVATING PEPTIDES, FIBROBLAST-DERIVED see **INTERLEUKIN-8**

NEUTROPHIL-DERIVED RELAXANT FACTOR see **ENDOTHELIUM-DERIVED RELAXING FACTOR**

NEUTROPHILIC LEUKEMIA, CHRONIC see **LEUKEMIA, NEUTROPHILIC, CHRONIC**

NEUTROPHILS

The roles of inflammatory cells in the pathogenesis of asthma and of chronic obstructive pulmonary disease. Corrigan CJ, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1165–8; discussion 1175–6 (54 ref.)
Indium-111 labeled neutrophils for detecting lung injury. A perspective. Williams JH Jr. **Chest** 1991 May;99(5):1248–51 (24 ref.)
Persistent neutrophilic meningitis. Peacock JE Jr. **Infect Dis Clin North Am** 1990 Dec;4(4):747–67 (120 ref.)
Neutrophils in the newborn: normal characteristics and quantitative disorders. Hajjar FM. **Semin Perinatol** 1990 Oct;14(5):374–83 (39 ref.)

CYTOLOGY

Application of confocal scanning laser microscopy in experimental pathology. Smith GJ, et al. **J Electron Microsc Tech** 1991 May;18(1):38–49 (44 ref.)

DRUG EFFECTS

Interleukin 8 and MCAF: novel inflammatory cytokines inducible by IL 1 and TNF. Matsushima K, et al. **Cytokine** 1989 Nov;1(1):2–13 (50 ref.)
Effects of anti-infectious agents on polymorphonuclear neutrophils. Labro MT, et al. **Eur J Clin Microbiol Infect Dis** 1991 Feb;10(2):124–31 (57 ref.)

ENZYMOLOGY

Protease actions on airway secretions. Relevance to cystic fibrosis. Nadel JA. **Ann N Y Acad Sci** 1991;624:286–96 (50 ref.)
Neutrophil proteinases. Caution signs in designing inhibitors against enzymes with possible multiple functions. Travis J, et al. **Ann N Y Acad Sci** 1991;624:81–6 (16 ref.)
Studies on the gene expression of several NADPH oxidase components. Cassatella MA, et al. **Biochem Soc Trans** 1991 Feb;19(1):63–7 (28 ref.)
Inhibitors of NADPH oxidase as guides to its mechanism. Jones OT, et al. **Biochem Soc Trans** 1991 Feb;19(1):70–2 (21 ref.)
[Proteinases, protease inhibitors and antirheumatic therapy] Rudenko VG, et al. **Revmatologiia (Mosk)** 1990 Jul–Sep; (3):32–8 (69 ref.) **(Rus)**

IMMUNOLOGY

Defects in neutrophils: an overview. Sim TC, et al. **Allergy Proc** 1991 Jan–Feb;12(1):31–6 (34 ref.)
The pathogenic role of antineutrophil cytoplasmic autoantibodies. Ewert BH, et al. **Am J Kidney Dis** 1991 Aug;18(2):188–95 (41 ref.)
The ANCA test: its clinical relevance. Ramírez G, et al. **Ann Rheum Dis** 1990 Oct;49(10):741–2 (34 ref.)
Wegener's granulomatosis, systemic vasculitis, and antineutrophil cytoplasmic autoantibodies. Falk RJ, et al. **Annu Rev Med** 1991;42:459–69 (41 ref.)
Current classification and definitions of autoantibodies to neutrophil granulocytes. Wiik A. **APMIS Suppl** 1990; 19:24–5 (8 ref.)
Neutrophils, leukotrienes and bacteria. König W. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:58–67 (32 ref.)
Nucleotide chloramines and neutrophil-mediated cytotoxicity. Bernofsky C. **FASEB J** 1991 Mar 1; 5(3):295–300 (90 ref.)
The role of neutrophils and macrophages in host resistance to systemic fungal infections. Brummer E. **Immunol Ser** 1989;47:273–89 (80 ref.)
Antineutrophil cytoplasmic autoantibodies: disease associations, molecular biology, and pathophysiology. Jennette JC, et al. **Int Rev Exp Pathol** 1991;32:193–221 (37 ref.)
Antibiotic proteins of human neutrophils. Spitznagel JK. **J Clin Invest** 1990 Nov;86(5):1381–6 (41 ref.)
Neutrophil disorders in burn injury: complement, cytokines, and organ injury. Solomkin JS. **J Trauma** 1990 Dec;30(12

Suppl):S80–5 (95 ref.)
ANCA-associated renal disease [clinical conference] Falk RJ. **Kidney Int** 1990 Nov;38(5):998–1010 (69 ref.)
The role of neutrophils in the pathogenesis of rhinovirus infections. Turner RB. **Pediatr Infect Dis J** 1990 Nov; 9(11):832–5 (32 ref.)
Anti-neutrophil cytoplasmic antibodies and anti-endothelial cell antibodies. Dillon MJ, et al. **Pediatr Nephrol** 1991 Mar; 5(2):256–9 (44 ref.)
Role of polymorphonuclear leukocytes in infection by retroviruses with emphasis on the human immunodeficiency virus. Mertins SD, et al. **Viral Immunol** 1990 Fall;3(3):173–94 (111 ref.)
[Antineutrophil cytoplasmic antibodies: a new diagnostic tool] Papo T, et al. **Rev Med Interne** 1991 Jan–Feb; 12(1):60–5 (57 ref.) (Eng. Abstr.) **(Fre)**
[Antineutrophil cytoplasma antibodies (ANCA): clinical indications and experience with these new autoantibodies] Stupp R, et al. **Schweiz Med Wochenschr** 1991 Jul 9; 121(27–28):1001–7 (55 ref.) (Eng. Abstr.) **(Ger)**
[The role of neutrophils in nonspecific immunity in patients with rheumatoid arthritis] Bernacka K, et al. **Postepy Hig Med Dosw** 1989;43(5–6):411–22 (69 ref.) (Eng. Abstr.) **(Pol)**
[The role of cellular immunity in the pathogenesis of glomerulonephritis] Kacprzyk F, et al. **Postepy Hig Med Dosw** 1989;43(2–4):199–212 (82 ref.) (Eng. Abstr.) **(Pol)**
[Antimicrobial activity of neutrophils and the methods of its study in surgical practice. Report I. Characteristics of the structure and non-oxygen dependent bactericidal mechanism of the neutrophils] Medvetskiĭ EB, et al. **Klin Khir** 1991;(2):45–7 (16 ref.) **(Rus)**
[Cellular-metabolic interactions between the phagocytic system and blood lipoproteins in respiratory diseases] Iakovleva OA. **Probl Tuberk** 1990;(10):70–3 (57 ref.) **(Rus)**
[The bactericidal function of the blood neutrophils in myeloproliferative diseases (a review of the literature)] Guseva SA. **Vrach Delo** 1990 Aug;(8):27–30 (39 ref.) **(Rus)**

METABOLISM

Regulation of cytoplasmic pH in phagocytic cell function and dysfunction. Grinstein S, et al. **Clin Biochem** 1991 Jun; 24(3):241–7 (33 ref.)
Nitrite from inflammatory cells--a cancer risk factor in ulcerative colitis? Roediger WE, et al. **Dis Colon Rectum** 1990 Dec;33(12):1034–6 (26 ref.)
GMP-140: a receptor for neutrophils and monocytes on activated platelets and endothelium. McEver RP. **J Cell Biochem** 1991 Feb;45(2):156–61 (36 ref.)
Activation of the oxidative metabolism in human polymorphonuclear neutrophilic granulocytes: the role of immuno-modulating cytokines. Kapp A, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):94S–99S (68 ref.)
Ascorbic acid levels in cells may be higher than first believed. **Nutr Rev** 1991 Jan;49(1):27–8 (3 ref.)
[Lysosomal cationic proteins in neutrophilic granulocytes during phagocytosis and inflammation] Kokriakov VN. **Vopr Med Khim** 1990 Nov–Dec;36(6):13–6 (37 ref.) (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Activity of antibiotics against Staphylococcus aureus within polymorphonuclear neutrophils. Yancey RJ, et al. **Eur J Clin Microbiol Infect Dis** 1991 Feb;10(2):107–13 (31 ref.)

PATHOLOGY

Drug-induced agranulocytosis. Peripheral destruction of polymorphonuclear leukocytes and their marrow precursors. Pisciotta AV. **Blood Rev** 1990 Dec;4(4):226–37 (58 ref.)

PHYSIOLOGY

Neutrophil mechanisms. Parker CW. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S59–60 (25 ref.)
Induction of immunopotentiation activity by a protein-bound polysaccharide, PSK (review). Sakagami H, et al. **Anticancer Res** 1991 Mar–Apr;11(2):993–9 (40 ref.)
Neutrophil function tests. Haynes AP, et al. **Baillieres Clin Haematol** 1990 Oct;3(4):871–87 (62 ref.)
Regulation of the adhesion of neutrophils to endothelium. Vadas MA, et al. **Biochem Pharmacol** 1990 Oct 15; 40(8):1683–7 (49 ref.)
Control of motility, exocytosis and the respiratory burst in human neutrophils. Baggiolini M, et al. **Biochem Soc Trans** 1991 Feb;19(1):55–9 (54 ref.)
Deactivation of the subcellular NADPH oxidase and its relationship to termination of the respiratory burst. Eklund EA, et al. **Biochem Soc Trans** 1991 Feb;19(1):51–4 (32 ref.)
Consequences of neutrophil adhesion to physiological and pathological targets. Hakim J. **Biorheology** 1990; 27(3–4):419–24 (16 ref.)
Antimicrobial polypeptides of human neutrophils. Lehrer RI, et al. **Blood** 1990 Dec 1;76(11):2169–81 (239 ref.)
Pathophysiology of ischaemia reperfusion injury: central role of the neutrophil. Welbourn CR, et al. **Br J Surg** 1991 Jun;78(6):651–5 (50 ref.)
The role of the neutrophil in rheumatoid arthritis. Kitsis E, et al. **Clin Orthop** 1991 Apr;(265):63–72 (85 ref.)
Pulmonary neutrophil kinetics. MacNee W. **Clin Phys Physiol Meas** 1990;11 Suppl A:133–9 (30 ref.)
Host-pathogen relationships in respiratory tract infections. Verhoef J. **Clin Ther** 1991 Jan–Feb;13(1):172–80 (52 ref.)
The polymorph neutrophil in CAPD patients. Harvey DM, et al. **Contrib Nephrol** 1990;85:10–5 (13 ref.)
The polymorphonuclear leukocyte: its pharmacological transport and target properties: an overview. Raghoebar M, et al. **Drug Metabol Drug Interact** 1989;7(4):351–401 (283 ref.)
GTP binding proteins and signal transduction in the human neutrophil. Weingarten R, et al. **Immunol Lett** 1990 Oct; 26(1):1–6 (35 ref.)
Neutrophil function disorders: pathophysiology, prevention, and therapy. Yang KD, et al. **J Pediatr** 1991 Sep; 119(3):343–54 (69 ref.)
Mechanisms of neutrophil-mediated tissue injury. Anderson BO, et al. **J Surg Res** 1991 Aug;51(2):170–9 (122 ref.)
Multiple organ failure: inflammatory priming and activation sequences promote autologous tissue injury. Anderson BO, et al. **J Trauma** 1990 Dec;30(12 Suppl):S44–9 (31 ref.)
A view to a kill: cytotoxic mechanisms of human polymorphonuclear leukocytes compared with monocytes and natural killer cells. van Kessel KP, et al. **Pathobiology** 1990;58(5):249–64 (150 ref.)
Chemoattractant stimulation of polymorphonuclear leucocyte locomotion. Cassimeris L, et al. **Semin Cell Biol** 1990 Apr;1(2):125–34 (73 ref.)
Kinetics and amplification in neutrophil activation and adaptation. Sklar LA, et al. **Semin Cell Biol** 1990 Apr; 1(2):115–23 (27 ref.)
Activated polymorphonuclear leukocytes stimulate platelet function. de Gaetano G, et al. **Thromb Res Suppl** 1990; 11:25–32 (16 ref.)
Leukocyte adhesion proteins: their role in neutrophil function. Root RK. **Trans Am Clin Climatol Assoc** 1989; 101:207–24; discussion 224–6 (69 ref.)
[Current knowledge of the mechanism of neutrophil granulocyte and macrophage activation for the formation of superoxide anions and of H2O2 and for the causes of defects in the NADPH-oxidase enzyme system involved] Kolb E. **Z Gesamte Inn Med** 1991 Apr;46(6):179–84 (40 ref.) (Eng. Abstr.) **(Ger)**
[Neutrophil adhesion: pathogenetic and methodologic aspects (review of the literature)] Redchits EG, et al. **Lab Delo** 1991;(5):4–8 (40 ref.) **(Rus)**
[Pathogenetic principles of the diagnosis of chronic inflammation] Maianskiĭ DN. **Vestn Akad Med Nauk SSSR** 1991;(3):50–5 (32 ref.) (Eng. Abstr.) **(Rus)**

NEVOID BASAL CELL CARCINOMA SYNDROME see **BASAL CELL NEVUS SYNDROME**

NEVOXANTHOENDOTHELIOMA see **XANTHOMA, JUVENILE**

NEVUS

Important melanocytic lesions in childhood and adolescence. Roth ME, et al. **Pediatr Clin North Am** 1991 Aug; 38(4):791–809 (149 ref.)

COMPLICATIONS

[Solomon's syndrome associated with fibrous dysplasia of bone and vitamin-resistant rickets] Feldmann JL, et al. **Rev Rhum Mal Osteoartic** 1990 Dec;57(12):881–4 (37 ref.) **(Fre)**

GENETICS

Autosomal dominant transmission of the NAME syndrome (nevi, atrial myxoma, mucinosis of the skin and endocrine overactivity). Koopman RJ, et al. **Hum Genet** 1991 Jan; 86(3):300–4 (42 ref.)

PATHOLOGY

Pure apocrine nevus. A study of light-microscopic and immunohistochemical features of a rare tumor. Ando K, et al. **Am J Dermatopathol** 1991 Feb;13(1):71–6 (12 ref.)
The origin of epidermal melanocytes. Implications for the histogenesis of nevi and melanomas. Cramer SF. **Arch Pathol Lab Med** 1991 Feb;115(2):115–9 (68 ref.)
Proliferating trichilemmal cyst in an organoid nevus. Gordon CJ. **Cutis** 1991 Jul;48(1):49–52 (13 ref.)
[Conjonctive nevus of the disseminated elastic type without osteopoikilosis or Weidman juvenile elastoma] Marguery MC, et al. **Ann Dermatol Venereol** 1991;118(6–7):465–8 (9 ref.) **(Fre)**

NEVUS, PIGMENTED

The epidermal nevus syndrome. Hodge JA, et al. **Int J Dermatol** 1991 Feb;30(2):91–8 (47 ref.)
Neurocutaneous melanosis: definition and review of the literature. Kadonaga JN, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 1):747–55 (76 ref.)
Pigmented nevi. Hurwitz S. **Semin Dermatol** 1988 Mar; 7(1):17–25 (27 ref.)
Malignant melanoma and pigmented lesions: a diagnostic and management dilemma. Sina B, et al. **South Med J** 1990 Oct;83(10):1218–23 (20 ref.)
[A case of cellular blue nevus with bone and meningeal invasion] Chassagne JF, et al. **Rev Stomatol Chir Maxillofac** 1991;92(1):34–8 (24 ref.) (Eng. Abstr.) **(Fre)**
[Congenital giant melanocytic mole and pregnancy. Report of a case and review of the literature] Trompeo P, et al. **Minerva Ginecol** 1990 Nov;42(11):481–3 (22 ref.) (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Epidermal nevus syndrome: a neurologic variant with hemimegalencephaly, gyral malformation, mental retardation, seizures, and facial hemihypertrophy. Pavone L, et al. **Neurology** 1991 Feb;41(2 (Pt 1)):266–71 (22 ref.)

CONGENITAL

Congenital giant pigmented nevus presenting in one identical twin. Morganroth GS, et al. **Cutis** 1991 Jul;48(1):53–5 (10 ref.)
Congenital melanocytic nevi: update 1990. Clark DP, et al. **Mo Med** 1991 Apr;88(4):228–31 (34 ref.)

DIAGNOSIS

[A case of a blue nevus of the palate] Ferrara G, et al. **Minerva Stomatol** 1990 Oct;39(10):845–7 (20 ref.) (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Ganglioside antigens in tissue sections of skin, naevi, and melanoma--implications for treatment of melanoma. Hersey P. **Cancer Treat Res** 1991;54:137–51 (48 ref.)

PATHOLOGY

Malignant blue nevus. Connelly J, et al. **Cancer** 1991 May 15;67(10):2653–7 (22 ref.)
[Pigmented nevus and cutaneous ossifications. Apropos of 125 cases of osteonevi] Moulin G, et al. **Ann Dermatol Venereol** 1991;118(3):199–204 (28 ref.) (Eng. Abstr.) **(Fre)**
[Diagnostic criteria in epiluminescence microscopy. Consensus meeting of the professional committee of analytic morphology of the Society of Dermatologic Research, 17 November 1989 in Hamburg] Bahmer FA, et al. **Hautarzt** 1990 Sep;41(9):513–4 (19 ref.) **(Ger)**

SURGERY

The management of congenital pigmented nevi. Everett MA. **J Okla State Med Assoc** 1991 May;84(5):213–8 (42 ref.)
[Should congenital melanocytic nevi be removed?] de Bliek JP, et al. **Ned Tijdschr Geneeskd** 1990 Oct 20; 134(42):2029–31 (15 ref.) **(Dut)**

NEVUS SYNDROME, BASAL CELL see **BASAL CELL NEVUS SYNDROME**

NEVUS SYNDROME, DYSPLASTIC see **DYSPLASTIC NEVUS SYNDROME**

NEWBORN INFANT SCREENING see **NEONATAL SCREENING**

NEWBORN INTENSIVE CARE UNITS see **INTENSIVE CARE UNITS, NEONATAL**

NEWCASTLE DISEASE VIRUS

IMMUNOLOGY

[Vaccine therapy of malignant tumors] Csatáry L, et al. **Orv Hetil** 1990 Nov 25;131(47):2585–8 (38 ref.) (Eng. Abstr.) **(Hun)**

NEWS MEDIA RELATIONS see **PUBLIC RELATIONS**

NEWSLETTERS see **PERIODICALS**

NEWTS see **SALAMANDRIDAE**

NF-KAPPA B

PHYSIOLOGY

The inducible transcription activator NF-kappa B: regulation by distinct protein subunits. Baeuerle PA. **Biochim Biophys Acta** 1991 Apr 16;1072(1):63–80 (150 ref.)

NF-KAPPA B-BINDING SITE, HIV see **HIV ENHANCER**

NIACIN

ADVERSE EFFECTS

Adverse effects of sustained-release niacin. Knapp TR, et al. **DICP** 1991 Mar;25(3):253–4 (14 ref.)

ANALYSIS

Synthesis and availability of niacin in roasted coffee. Adrian J, et al. **Adv Exp Med Biol** 1991;289:49–59 (52 ref.)

THERAPEUTIC USE

Use of niacin as a drug. DiPalma JR, et al. **Annu Rev Nutr** 1991;11:169–87 (83 ref.)
Niacin and vitamin B6 in mental functioning: a review of controlled trials in humans. Kleijnen J, et al. **Biol Psychiatry** 1991 May 1;29(9):931–41 (61 ref.)
Drugs affecting triglycerides. Capurso A. **Cardiology** 1991; 78(3):218–25 (39 ref.)
Nicotinic acid for the treatment of hyperlipoproteinemia. Drood JM, et al. **J Clin Pharmacol** 1991 Jul;31(7):641–50 (52 ref.)

NIACINAMIDE see **NICOTINAMIDE**

NICARDIPINE

PHARMACOLOGY

Cardiovascular effects of nicardipine. Pepine CJ, et al. **Angiology** 1990 Nov;41(11 Pt 2):978–86 (36 ref.)
An overview of the pharmacology and pharmacokinetics of nicardipine. Whiting RL, et al. **Angiology** 1990 Nov;41(11 Pt 2):987–91 (14 ref.)
[Trend in the development of new inhibitors of cyclic nucleotide metabolism and their clinical application] Hidaka H, et al. **Nippon Rinsho** 1991 Apr;49(4):961–7 (13 ref.) **(Jpn)**

NICKEL

ADVERSE EFFECTS

Nickel dermatitis: problems solved and unsolved. Möller H. **Contact Dermatitis** 1990 Oct;23(4):217–20 (23 ref.)
Gastrointestinal tumours after stapler vs vicryl anastomoses in carcinogen-treated rats. Buhr HJ, et al. **Eur J Surg Oncol** 1990 Dec;16(6):493–6 (21 ref.)
Allergy to coined money: nickel contact dermatitis in cashiers. Gollhausen R, et al. **J Am Acad Dermatol** 1991 Aug;25(2 Pt 2):365–9 (66 ref.)
Nickel contact allergy and a nickel-restricted diet. Veien NK, et al. **Semin Dermatol** 1990 Sep;9(3):197–205 (58 ref.)

CHEMISTRY

Structure and function of the nickel porphinoid, coenzyme F430 and of its enzyme, methyl coenzyme M reductase. Friedmann HC, et al. **FEMS Microbiol Rev** 1990 Dec; 7(3–4):339–48 (70 ref.)

PHARMACOLOGY

Biological effects of mercuric chloride, nickel sulphate and nickel chloride. Nordlind K. **Prog Med Chem** 1990; 27:189–233 (465 ref.)

TOXICITY

Molecular mechanisms of nickel carcinogenesis. Costa M. **Annu Rev Pharmacol Toxicol** 1991;31:321–37 (51 ref.)

NICKEL-CHROMIUM ALLOYS see **CHROMIUM ALLOYS**

NICOTIANA see **TOBACCO**

NICOTINAMIDE

ANALOGS & DERIVATIVES

Pharmacology and therapeutic effects of nicorandil. Kinoshita M, et al. **Cardiovasc Drugs Ther** 1990 Aug; 4(4):1075–88 (128 ref.)

METABOLISM

Significance of V-factor dependency in the taxonomy of Haemophilus species and related organisms. Niven DF, et al. **Int J Syst Bacteriol** 1990 Jan;40(1):1–4 (48 ref.)

THERAPEUTIC USE

The use of blood flow modifiers to improve the treatment response of solid tumors. Horsman MR, et al. **Radiother Oncol** 1991;20 Suppl 1:47–52 (33 ref.)

NICOTINAMIDE-ADENINE DINUCLEOTIDE see **NAD**

NICOTINE

Conceptual and methodological considerations for tobacco addiction research. Grunberg NE, et al. **Br J Addict** 1991 May;86(5):637–41 (24 ref.)
Is nicotine more addictive than cocaine? Henningfield JE, et al. **Br J Addict** 1991 May;86(5):565–9 (28 ref.)
Great expectations: some suggestions for applying the balanced placebo design to nicotine and smoking. Sutton SR. **Br J Addict** 1991 May;86(5):659–62 (8 ref.)
Nicotine dependence: a preventable risk factor for other diseases. Cohen C, et al. **J Gen Intern Med** 1990 Sep–Oct; 5(5 Suppl):S73–8 (26 ref.)
Clinical pharmacology of inhaled drugs of abuse: implications in understanding nicotine dependence. Benowitz NL. **NIDA Res Monogr** 1990;99:12–29 (21 ref.)

ADMINISTRATION & DOSAGE

The future of nicotine replacement. Russell MA. **Br J Addict** 1991 May;86(5):653–8 (17 ref.)
Pharmacological and behavioral treatment for cigarette smoking. Hall SM, et al. **Prog Behav Modif** 1990;25:86–118 (120 ref.)

ADVERSE EFFECTS

Nicotinic receptor blockade therapy and smoking cessation. Clarke PB. **Br J Addict** 1991 May;86(5):501–5 (27 ref.)
Smoking cessation and weight gain. Leischow SJ, et al. **Br J Addict** 1991 May;86(5):577–81 (36 ref.)
The role of nicotine and nicotinic mechanisms in neuropsychiatric disease. Newhouse PA, et al. **Br J Addict** 1991 May;86(5):521–6 (45 ref.)
Biobehavioral research on nicotine use in women. Pomerleau CS, et al. **Br J Addict** 1991 May;86(5):527–31 (40 ref.)
Inter-relationships between conditioned and primary reinforcement in the maintenance of cigarette smoking. Rose JE, et al. **Br J Addict** 1991 May;86(5):605–9 (38 ref.)
[Neuropharmacology of smoking: basic research opens new therapeutic possibilities] Svensson TH, et al. **Lakartidningen** 1991 May 29;88(22):2066–71 (56 ref.) (Eng. Abstr.) **(Swe)**

ANTAGONISTS & INHIBITORS

Modulation of nicotine receptors by chronic exposure to nicotinic agonists and antagonists. Collins AC, et al. **Ciba Found Symp** 1990;152:68–82; discussion 82–6 (32 ref.)

PHARMACOKINETICS

Pharmacokinetic considerations in understanding nicotine dependence. Benowitz NL. **Ciba Found Symp** 1990; 152:186–200; discussion 200–9 (31 ref.)
Metabolism of nicotine. Kyerematen GA, et al. **Drug Metab Rev** 1991;23(1–2):3–41 (178 ref.)
The effects of nicotine on metabolic rate. Marks BL, et al. **Sports Med** 1990 Nov;10(5):277–85 (53 ref.)

PHARMACOLOGY

Effects of cigarette smoke and nicotine on platelets and experimental coronary artery thrombosis. Folts JD, et al. **Adv Exp Med Biol** 1990;273:339–58 (66 ref.)
Cigarette smoking and platelet function: relation to nicotine, carbon monoxide and saturated fat. Renaud S. **Adv Exp Med Biol** 1990;273:161–71 (23 ref.)
Dopaminergic mechanisms in the locomotor stimulant effects of nicotine. Clarke PB. **Biochem Pharmacol** 1990 Oct 1; 40(7):1427–32 (49 ref.)
The influence of stress on psychopharmacological responses to nicotine. Balfour DJ. **Br J Addict** 1991 May;86(5):489–93 (40 ref.)
Understanding brain mechanisms in nicotine reinforcement. Corrigall WA. **Br J Addict** 1991 May;86(5):507–10 (28 ref.)
Neurophysiological aspects of smoking behaviour: a neuroelectric perspective. Knott VJ. **Br J Addict** 1991 May; 86(5):511–5 (23 ref.)
Behavioural pharmacology of nicotine: multiple mechanisms. Stolerman IP. **Br J Addict** 1991 May;86(5):533–6 (12 ref.)
The relevance of receptor binding studies to tobacco research. Wonnacott S. **Br J Addict** 1991 May;86(5):537–41 (28 ref.)
Mesolimbic dopamine activation—the key to nicotine reinforcement? Clarke PB. **Ciba Found Symp** 1990; 152:153–62; discussion 162–8 (30 ref.)
Effects of nicotine on cerebral metabolism. London ED. **Ciba Found Symp** 1990;152:131–40; discussion 140–6 (33 ref.)
Behavioural pharmacology of nicotine: implications for multiple brain nicotinic receptors. Stolerman IP. **Ciba Found Symp** 1990;152:3–16; discussion 16–22 (27 ref.)
Effect of nicotine on dynamic function of brain catecholamine neurons. Svensson TH, et al. **Ciba Found Symp** 1990;152:169–80; discussion 180–5 (53 ref.)
Nicotine pharmacodynamics: some unresolved issues. West RJ. **Ciba Found Symp** 1990;152:210–9; discussion 219–24 (40 ref.)
Nicotine as a psychoactive drug. Murray JB. **J Psychol** 1991 Jan;125(1):5–25 (115 ref.)

THERAPEUTIC USE

Beneficial effects of nicotine. Jarvik ME. **Br J Addict** 1991 May;86(5):571–5 (40 ref.)
Does pharmacology corroborate the nicotine therapy and practices of South American shamanism? Wilbert J. **J Ethnopharmacol** 1991 Apr;32(1–3):179–86 (36 ref.)

NICOTINIC ACID see **NIACIN**

NICOTINIC AGENTS see **GANGLIONIC STIMULANTS**

NICOTINIC RECEPTORS see **RECEPTORS, NICOTINIC**

NICOUMALONE see **ACENOCOUMAROL**

NIDATION see **OVUM IMPLANTATION**

NIDDM see **DIABETES MELLITUS, NON-INSULIN-DEPENDENT**

NIEMANN-PICK DISEASE

GENETICS

[Type C Niemann-Pick disease: supranuclear ophthalmoplegia associated with deficient biosynthesis of cholesterol esters] Turpin JC, et al. **Rev Neurol (Paris)** 1991; 147(1):28–34 (34 ref.) (Eng. Abstr.) **(Fre)**

NIF GENES see **GENES, NITROGEN FIXATION**

NIFEDIPINE

ADMINISTRATION & DOSAGE

Beta-adrenoceptor antagonists plus nifedipine in the treatment of chronic stable angina pectoris. Challenor VF, et al. **Cardiovasc Drugs Ther** 1989 Jun;3 Suppl 1:275–85 (62 ref.)
Sustained release nifedipine formulations. An appraisal of their current uses and prospective roles in the treatment of hypertension, ischaemic heart disease and peripheral vascular disorders. Murdoch D, et al. **Drugs** 1991 May; 41(5):737–79 (312 ref.)

ADVERSE EFFECTS

[Gingival hyperplasia in a heart transplant patient treated with cyclosporin A and nifedipine] Goffin M. **Rev Belge Med Dent** 1991;46(2):26–31 (25 ref.) (Eng. Abstr.) **(Fre)**

ANALOGS & DERIVATIVES

Cardioprotective effects of amlodipine on ischemia and reperfusion in two experimental models. Hoff PT, et al. **Am J Cardiol** 1990 Nov 20;66(18):10H–16H (50 ref.)
Amlodipine. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic use in cardiovascular disease [published erratum appears in Drugs 1991 Jun;41(6):856] Murdoch D, et al. **Drugs** 1991 Mar; 41(3):478–505 (111 ref.)
[Amlodipine] Pedersen OL, et al. **Ugeskr Laeger** 1991 Jul 8;153(28):2021–3 (30 ref.) **(Dan)**
[Amlodipin (Norvasc). A new calcium antagonist with long half-life] Thaulow E, et al. **Tidsskr Nor Laegeforen** 1991 Jun 20;111(16):1981–2 (17 ref.) **(Nor)**

PHARMACOKINETICS

Chronopharmacokinetics and chronopharmacodynamics of cardiovascular active drugs. Propranolol, organic nitrates, nifedipine. Lemmer B, et al. **Ann N Y Acad Sci** 1991; 618:166–81 (40 ref.)

PHARMACOLOGY

Influence of nifedipine on experimental arteriosclerosis. Knorr AM, et al. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 5:1027–31 (25 ref.)
Nifedipine interactions in hypertensive patients. Salvetti A, et al. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 5:963–8 (47 ref.)
[Calcium antagonists and the digestive system] Kula Z, et al. **Wiad Lek** 1990 Jun 15;43(12):578–82 (40 ref.) **(Pol)**

THERAPEUTIC USE

Use of nifedipine in hypertension and Raynaud's phenomenon. Kiowski W, et al. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 5:935–40 (30 ref.)
Nifedipine and hypertension: roles of vasodilation and sodium balance. MacGregor GA. **Cardiovasc Drugs Ther** 1989 Jun; 3 Suppl 1:295–301 (30 ref.)
Rationale for treatment of silent myocardial ischemia: focus on nifedipine. Nesto RW. **Cardiovasc Drugs Ther** 1990 Aug; 4 Suppl 5:929–34 (37 ref.)
The combination of slow-release nifedipine and atenolol for stable angina. Waller DG, et al. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 5:899–904 (33 ref.)

NIFURAZOLIDONE see **FURAZOLIDONE**

NIFURTIMOX

PHARMACOLOGY

[Biochemical bases of the action of anti-chagasic drugs] Morello A, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun; 21(1):93–9 (40 ref.) **(Spa)**

NIGHT TERRORS see **SLEEP DISORDERS**

NIGHTMARES see **DREAMS**

NIH CONSENSUS DEVELOPMENT CONFERENCES see **CONSENSUS DEVELOPMENT CONFERENCES, NIH**

NIMODIPINE

PHARMACOLOGY

CNS and PNS effects of nimodipine. Bär PR, et al. **J Neural Transm Suppl** 1990;31:55–71 (78 ref.)

THERAPEUTIC USE

Efficacy of nimodipine in cerebral ischemia or hemorrhage. Teasdale G, et al. **Stroke** 1990 Dec;21(12 Suppl):IV123–5 (10 ref.)
Prevention and treatment of delayed ischemic dysfunction in patients with aneurysmal subarachnoid hemorrhage. Tettenborn D, et al. **Stroke** 1990 Dec;21(12 Suppl):IV85–9 (34 ref.)
[Intravascular volume expansion and intravenous nimodipine in the treatment of cerebral vasospasm after surgical treatment of intracranial aneurysm] Adnet P, et al. **Agressologie** 1990 Jun;31(6):385–8 (23 ref.) (Eng. Abstr.) **(Fre)**

NIPPLES

[Erosive adenomatosis of the nipple. Report of 10 cases with immunohistochemistry] Moulin G, et al. **Ann Dermatol Venereol** 1990;117(8):537–45 (53 ref.) (Eng. Abstr.) **(Fre)**
[Paget's disease of the nipple associated with epidermal basaloid hyperplasia simulating basal cell carcinoma] Tousignant J, et al. **Ann Dermatol Venereol** 1991; 118(3):211–4 (28 ref.) **(Fre)**
[Leiomyoma of the nipple (a case report and review of the literature)] Laterza E, et al. **Chir Ital** 1990 Jun–Aug; 42(3–4):138–42 (12 ref.) (Eng. Abstr.) **(Ita)**

SECRETION

Guest lecture—management of nipple discharge. Leis HP Jr. **Br J Clin Pract Symp Suppl** 1989 Nov;68:58–65; discussion 67–72 (27 ref.)

NISOLDIPINE

PHARMACOLOGY

The pharmacology of nisoldipine. Knorr A. **Cardiovasc Drugs Ther** 1987 Dec;1(4):393–402 (89 ref.)

NITRATES

ADMINISTRATION & DOSAGE

Nitrate therapy in patients with coronary artery disease—preparations and doses with and without development of tolerance. Rudolph W, et al. **Z Kardiol** 1990;79 Suppl 3:57–65 (22 ref.)

ADVERSE EFFECTS

[The ecological and biomedical aspects of the problem of environmental pollution by nitrates and nitrites] Azhipa IaI, et al. **Fiziol Cheloveka** 1990 May–Jun;16(3):131–49 (130 ref.) **(Rus)**
[Nitrates in drinking water in the Valencia community. Indirect risk of methemoglobinemia in infants] Vitoria Miñana I, et al. **An Esp Pediatr** 1991 Jan;34(1):43–50 (22 ref.) (Eng. Abstr.) **(Spa)**

ANALYSIS

Nitrates, nitrites and N-nitrosocompounds: a review of the occurrence in food and diet and the toxicological implications. Walker R. **Food Addit Contam** 1990 Nov–Dec; 7(6):717–68 (375 ref.)
[Nitrates and nitrites in the environment and their effect on human health] Szponar L, et al. **Postepy Hig Med Dosw** 1990;44(4–6):327–50 (92 ref.) (Eng. Abstr.) **(Pol)**

HISTORY

The history of nitrite in human nutrition: a contribution from German cookery books. Lauer K. **J Clin Epidemiol** 1991; 44(3):261–4 (29 ref.)

PHARMACOKINETICS

Mechanisms of nitrate tolerance—influence of the metabolic activation pathways. Noack E. **Z Kardiol** 1990;79 Suppl 3:51–5 (32 ref.)

PHARMACOLOGY

Interdependence of pharmacologically-induced and endothelium-mediated coronary vasodilation in antianginal therapy. Bassenge E, et al. **Cardiovasc Drugs Ther** 1988 May;2(1):27–34 (54 ref.)
Mechanisms of nitrate tolerance: a review. Katz RJ. **Cardiovasc Drugs Ther** 1990 Feb;4(1):247–52 (56 ref.)
Modulation of platelet aggregation by an L-arginine-nitric oxide pathway. Radomski MW, et al. **Trends Pharmacol Sci** 1991 Mar;12(3):87–8 (25 ref.)
[Tolerance for nitrates—clinical implications] Wierzchowiecki M, et al. **Kardiol Pol** 1990 Mar; 33(3):207–12 (72 ref.) **(Pol)**

THERAPEUTIC USE

Tolerance to organic nitrates: evidence, mechanisms, clinical relevance, and strategies for prevention. Elkayam U. **Ann Intern Med** 1991 Apr 15;114(8):667–77 (134 ref.)
Pharmacology of acute effort angina. Opie LH. **Cardiovasc Drugs Ther** 1989 Jun;3 Suppl 1:257–70 (106 ref.)
Nitrate tolerance in angina pectoris. Parker JO. **Cardiovasc Drugs Ther** 1989 Jan;2(6):823–9 (35 ref.)
Endogenous nitrates—implications for treatment and prevention. Anggård EE. **Eur Heart J** 1991 May;12 Suppl A:5–8 (36 ref.)
Why use a nitrate in 1990? Conti CR. **Eur Heart J** 1991 May; 12 Suppl A:2–4 (2 ref.)
Nitrate therapy: is there an optimal substance and formulation? Fung HL. **Eur Heart J** 1991 May;12 Suppl A:9–12 (25 ref.)
Is there an optimal prophylactic nitrate therapy? Olsson G, et al. **Eur Heart J** 1991 May;12 Suppl A:21–3 (20 ref.)
Nitrate tolerance—can it be prevented? Parker JO. **Eur Heart J** 1991 May;12 Suppl A:13–5 (19 ref.)
[Current status of pharmacology and therapeutic use of nitro derivatives] Costa R, et al. **Clin Ter** 1990 Nov 30; 135(4):297–308 (66 ref.) (Eng. Abstr.) **(Ita)**
[Nitrates in cardiovascular diseases] Nartowicz E. **Kardiol Pol** 1990;33(5):335–43 (41 ref.) **(Pol)**
[Nitrate tolerance. Characteristics, determinant factors and preventive procedures] Décourt LV. **Arq Bras Cardiol** 1991 Jan;56(1):9–18 (62 ref.) **(Por)**

NITRIC OXIDE

Endothelium-derived relaxing factor (EDRF) and nitric oxide (NO). II. Physiology, pharmacology and pathophysiological implications. Feng Q, et al. **Clin Physiol** 1990 Nov;10(6):503–26 (174 ref.)
Endothelium-derived relaxing factor (EDRF) and nitric oxide (NO). I. Physiology, pharmacology and pathophysiological implications. Feng Q, et al. **Clin Physiol** 1990 Sep;10(5):407–26 (180 ref.)
[Nitric oxide—a new and nontraditional transmitter] Sevčík J, et al. **Cas Lek Cesk** 1990 Aug 17;129(33):1025–8 (15 ref.) (Eng. Abstr.) **(Cze)**

METABOLISM

Mediators from the endothelial cell. Vane JR, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:627–36 (66 ref.)
Signal transduction mechanisms involving nitric oxide. Ignarro LJ. **Biochem Pharmacol** 1991 Feb 15;41(4):485–90 (47 ref.)
Unraveling the biological significance of nitric oxide. Marletta MA, et al. **Biofactors** 1990 Oct;2(4):219–25 (63 ref.)
Role of nitric oxide synthesis in macrophage antimicrobial activity. Nathan CF, et al. **Curr Opin Immunol** 1991 Feb; 3(1):65–70 (62 ref.)
Role of endothelium-formed nitric oxide on vascular responses. Marín J, et al. **Gen Pharmacol** 1990;21(5):575–87 (160 ref.)
Nonspecific defence mechanism: the role of nitric oxide. Liew FY, et al. **Immunol Today** 1991 Mar;12(3):A17–21 (75 ref.)
Physiological significance of endogenous nitric oxide. Ignarro LJ. **Semin Perinatol** 1991 Feb;15(1):20–6 (43 ref.)
Biosynthesis and actions of nitric oxide. Moncada S, et al. **Semin Perinatol** 1991 Feb;15(1):16–9 (39 ref.)
Relationship between prostacyclin and nitric oxide in the thrombotic process. Moncada S, et al. **Thromb Res Suppl** 1990;11:3–13 (47 ref.)
Nitric oxide (NO): a versatile second messenger in brain. Crossin KL. **Trends Biochem Sci** 1991 Mar;16(3):81–2 (22 ref.)
Glutamate, nitric oxide and cell–cell signalling in the nervous system. Garthwaite J. **Trends Neurosci** 1991 Feb;14(2):60–7 (53 ref.)
Nitric oxide as a neuronal messenger. Snyder SH, et al. **Trends Pharmacol Sci** 1991 Apr;12(4):125–8 (30 ref.)
[Nitric oxide: from endogenous vasodilator to biologic mediator] Berrazueta JR, et al. **Rev Esp Cardiol** 1990 Aug–Sep;43(7):421–31 (131 ref.) (Eng. Abstr.) **(Spa)**

PHARMACOLOGY

Heme-dependent activation of guanylate cyclase by nitric oxide: a novel signal transduction mechanism. Ignarro LJ. **Blood Vessels** 1991;28(1–3):67–73 (40 ref.)
Nitric oxide. A novel signal transduction mechanism for transcellular communication. Ignarro LJ. **Hypertension** 1990 Nov;16(5):477–83 (49 ref.)
Nitric oxide. New discoveries, biomedical implications. Solomonson LP. **J Fla Med Assoc** 1991 Feb;78(2):107–9 (10 ref.)
Nitric oxide: physiology, pathophysiology, and pharmacology. Moncada S, et al. **Pharmacol Rev** 1991 Jun; 43(2):109–42 (404 ref.)
Nitric oxide and endothelins: novel autocrine/paracrine regulators of the circulation. Marsden PA, et al. **Semin Nephrol** 1991 Mar;11(2):169–85 (179 ref.)
Endothelium-derived vasoactive factors and the control of the circulation. Vane JR, et al. **Semin Perinatol** 1991 Feb; 15(1):4–10 (76 ref.)
Pharmacology of endothelium-derived nitric oxide and nitrovasodilators. Ignarro LJ, et al. **West J Med** 1991 Jan; 154(1):51–62 (95 ref.)

NITRILES

DIAGNOSTIC USE

Experimental studies of the physiologic properties of technetium-99m isonitriles. Beller GA, et al. **Am J Cardiol** 1990 Oct 16;66(13):5E–8E (12 ref.)
Myocardial perfusion imaging with technetium-99m sestamibi SPECT in the evaluation of coronary artery disease. Maddahi J, et al. **Am J Cardiol** 1990 Oct 16; 66(13):55E–62E (32 ref.)
Experimental studies of the physiologic properties of technetium-99m agents: myocardial transport of perfusion imaging agents. Meerdink DJ, et al. **Am J Cardiol** 1990 Oct 16;66(13):9E–15E (27 ref.)
The new 99mTc myocardial perfusion imaging agents: 99mTc-sestamibi and 99mTc-teboroxime. Berman DS, et al. **Circulation** 1991 Sep;84(3 Suppl):I7–21 (73 ref.)

PHARMACOLOGY

Highly selective inhibition of estrogen biosynthesis by CGS 20267, a new non-steroidal aromatase inhibitor. Bhatnagar AS, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20; 37(6):1021–7 (19 ref.)

TOXICITY

Toxicology of methacrylonitrile. Farooqui MY, et al. **Toxicology** 1991 Jan;65(3):239–50 (54 ref.)

NITRITE REDUCTASES

METABOLISM

Ferredoxin-dependent chloroplast enzymes. Knaff DB, et al. **Biochim Biophys Acta** 1991 Jan 22;1056(2):93–125 (337 ref.)

NITRITES

ADVERSE EFFECTS

[The ecological and biomedical aspects of the problem of environmental pollution by nitrates and nitrites] Azhipa IaI, et al. **Fiziol Cheloveka** 1990 May–Jun;16(3):131–49 (130 ref.) **(Rus)**

ANALYSIS

Nitrates, nitrites and N-nitrosocompounds: a review of the occurrence in food and diet and the toxicological implications. Walker R. **Food Addit Contam** 1990 Nov–Dec; 7(6):717–68 (375 ref.)
[Nitrates and nitrites in the environment and their effect on human health] Szponar L, et al. **Postepy Hig Med Dosw** 1990;44(4–6):327–50 (92 ref.) (Eng. Abstr.) **(Pol)**

METABOLISM

Nitrite from inflammatory cells—a cancer risk factor in ulcerative colitis? Roediger WE, et al. **Dis Colon Rectum** 1990 Dec;33(12):1034–6 (26 ref.)
Nucleophilic reactions of sorbic acid. Khandelwal GD, et al. **Food Addit Contam** 1990 Sep–Oct;7(5):685–94 (21 ref.)

TOXICITY

[The role of nitrites in carcinogenesis] Rubenchik BL, et al. **Eksp Onkol** 1990;12(5):3–6 (25 ref.) (Eng. Abstr.) **(Rus)**

NITRO COMPOUNDS

Structure-activity relationship of mutagenic aromatic and heteroaromatic nitro compounds. Correlation with molecular orbital energies and hydrophobicity. Debnath AK, et al. **J Med Chem** 1991 Feb;34(2):786–97 (84 ref.)

METABOLISM

Metabolism of nitro-polycyclic aromatic hydrocarbons. Fu PP. **Drug Metab Rev** 1990;22(2–3):209–68 (229 ref.)

THERAPEUTIC USE

Coronary dilation with nitrocompounds and calcium antagonists. Jost S, et al. **Z Kardiol** 1990;79 Suppl 3:113–20 (112 ref.)

NITROANISOLE O-DEMETHYLASE

METABOLISM

[Structure and effects of benzodiazepines on hepatic microsomal monooxygenases in rats exposed to environmental temperature] Pachecka J, et al. **Folia Med Cracov** 1990;31(3):217–24 (8 ref.) (Eng. Abstr.) **(Pol)**

NITROFERRICYANIDE see **NITROPRUSSIDE**

NITROFURAL see **NITROFURAZONE**

NITROFURANS

TOXICITY

Proposed plan for a unified approach for evaluating nitrofuran residues. McCalla DR. **Drug Metab Rev** 1990; 22(6–8):863–9 (17 ref.)

NITROFURANTOIN

ADMINISTRATION & DOSAGE

Single dose fosfomycin trometamol versus multiple dose nitrofurantoin in pregnant women with bacteriuria: preliminary results. Thoumsin H, et al. **Infection** 1990;18 Suppl 2:S94–7 (25 ref.)

ADVERSE EFFECTS

[Toxic pulmonary and neuronal reactions to nitrofurantoin] Mihăltan F.
Rev Ig Med Muncii Med Soc Bacteriol Virusol Parazitol Epidemiol Pneumoftiziol Pneumoftiziol 1990 Jan–Mar; 39(1):51–8 (9 ref.) (Eng. Abstr.) **(Rum)**

CONTRAINDICATIONS

Hemolytic reactions to nitrofurantoin in patients with glucose–6–phosphate dehydrogenase deficiency: theory and practice. Gait JE. **DICP** 1990 Dec;24(12):1210–3 (10 ref.)

TOXICITY

Nitrofurantoin. **IARC Monogr Eval Carcinog Risks Hum** 1990;50:211–31 (126 ref.)

NITROFURAZONE

TOXICITY

Nitrofural (nitrofurazone).
IARC Monogr Eval Carcinog Risks Hum 1990;50:195–209 (82 ref.)

NITROGEN

METABOLISM

Nitrogen metabolism in normal and cirrhotic liver. Häussinger D, et al. **Adv Exp Med Biol** 1990;272:47–64 (58 ref.)

Restoring nitrogen balance after burn injury. Kagan RJ. **Compr Ther** 1991 Mar;17(3):60–7 (26 ref.)

Importance of glucagon for nitrogen loss in diabetes—via an accelerated hepatic conversion of amino nitrogen to urea nitrogen. Almdal TP. **Dan Med Bull** 1991 Apr;38(2):113–20 (101 ref.)

Maintenance protein requirements: the need for conceptual re–evaluation. Millward DJ, et al. **Proc Nutr Soc** 1990 Oct; 49(3):473–87 (22 ref.)

Novel substrates and nutritional support: possible role of ornithine alpha–ketoglutarate. Silk DB, et al.
Proc Nutr Soc 1990 Oct;49(3):381–7 (49 ref.)

THERAPEUTIC USE

Liquid nitrogen as an adjunct. Lane JM.
Chir Organi Mov 1990;75(1 Suppl):198–9 (14 ref.)

NITROGEN DIOXIDE

ADVERSE EFFECTS

Air pollution—effects of nitrogen dioxide. Tewari A, et al. **Rev Environ Health** 1989 Jan–Dec;8(1–4):157–63 (11 ref.)

NITROGEN FIXATION

see related
GENES, NITROGEN FIXATION

GENETICS

[Nitrogen fixation in cyanophyta] Ohki K.
Tanpakushitsu Kakusan Koso 1991 Jul;36(9):1597–603 (19 ref.) **(Jpn)**

NITROGEN MUSTARD COMPOUNDS

TOXICITY

Trichlormethine (trimustine hydrochloride).
IARC Monogr Eval Carcinog Risks Hum 1990;50:143–9 (26 ref.)

NITROGEN OXIDES

METABOLISM

The effector function of nitrogen oxides in host defense against parasites. James SL. **Exp Parasitol** 1991 Aug; 73(2):223–6 (19 ref.)

Cytokine–induced synthesis of nitrogen oxides in macrophages: a protective host response to Leishmania and other intracellular pathogens. Green SJ, et al.
J Leukoc Biol 1991 Jul;50(1):93–103 (116 ref.)

NITROGENASE

METABOLISM

Nitrogenases. Burris RH. **J Biol Chem** 1991 May 25; 266(15):9339–42 (51 ref.)

NITROGLYCERIN see **GLYCERYL TRINITRATE**

NITROIMIDAZOLES

PHARMACOLOGY

Drug therapy for Helicobacter pylori infection: problems and pitfalls. Glupczynski Y, et al. **Am J Gastroenterol** 1990 Dec; 85(12):1545–51 (55 ref.)

[Biochemical bases of the action of anti–chagasic drugs] Morello A, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun; 21(1):93–9 (40 ref.) **(Spa)**

TOXICITY

Nitroimidazoles: proposed studies on the toxicity of bound residues. Sved S, et al. **Drug Metab Rev** 1990; 22(6–8):849–61 (21 ref.)

NITROPRUSSIDE

ADVERSE EFFECTS

Toxic effects of drugs used in the ICU. Nitroprusside, nitroglycerin, and angiotensin–converting enzyme inhibitors. Curry SC, et al. **Crit Care Clin** 1991 Jul; 7(3):555–81 (221 ref.)

PHARMACOLOGY

Pharmacology of the nitrovasodilators. Antianginal, antihypertensive, and antiplatelet actions. Gold ME.
Nurs Clin North Am 1991 Jun;26(2):437–50 (43 ref.)

4–NITROQUINOLINE–1–OXIDE

Experimental oral carcinogenesis. A basic rat model for the study of oral carcinogenesis using the carcinogen 4–nitroquinoline 1–oxide. Fisker AV. **Dan Med Bull** 1990 Oct;37(5):433–42 (125 ref.)

4–NITROQUINOLINE–N–OXIDE see
4–NITROQUINOLINE–1–OXIDE

NITROSAMINES

ANALYSIS

Ingestion of carcinogenic N–nitrosamines by infants and children. Westin JB. **Arch Environ Health** 1990 Nov–Dec; 45(6):359–63 (54 ref.)

Analytical studies on tobacco–specific N–nitrosamines in tobacco and tobacco smoke. Brunnemann KD, et al.
Crit Rev Toxicol 1991;21(4):235–40 (32 ref.)

Occurrence of and exposure to N–nitrosamines in Sweden: a review. Osterdahl BG. **IARC Sci Publ** 1991;(105):235–7 (7 ref.)

METABOLISM

Inhibition of nitrosamine formation by ascorbic acid. Tannenbaum SR, et al. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):247S–250S (42 ref.)

Enzyme mechanisms in the metabolism of nitrosamines. Yang CS, et al. **IARC Sci Publ** 1991;(105):265–74 (47 ref.)

PHARMACOKINETICS

The tissue distribution and the tissue specificity of bioactivation of some tobacco–specific and some other N–nitrosamines. Tjälve H. **Crit Rev Toxicol** 1991; 21(4):265–94 (136 ref.)

[Metabolic activation of carcinogenic N–nitrosodialkylamines] Mochizuki M. **Yakugaku Zasshi** 1990 Jun;110(6):359–73 (62 ref.) (Eng. Abstr.) **(Jpn)**

PHARMACOLOGY

Role of DNA methylation in the activation of proto–oncogenes and the induction of pulmonary neoplasia by nitrosamines. Belinsky SA, et al. **Mutat Res** 1990 Nov–Dec;233(1–2):105–16 (44 ref.)

TOXICITY

Tobacco–specific N–nitrosamines: some aspects of prevention. Appel KE. **Crit Rev Toxicol** 1991;21(4):299–304 (25 ref.)

Nicotine–derived N–nitrosamines (TSNA) and their relevance in tobacco carcinogenesis. Hoffmann D, et al. **Crit Rev Toxicol** 1991;21(4):305–11 (38 ref.)

Evaluation of the evidence that tobacco–specific nitrosamines (TSNA) cause cancer in humans. Preston–Martin S.
Crit Rev Toxicol 1991;21(4):295–8 (37 ref.)

Carcinogenicity of tobacco–specific N–nitrosamines (TSNA): the role of the vascular network in the selection of target organs. Rivenson A, et al. **Crit Rev Toxicol** 1991; 21(4):255–64 (39 ref.)

DNA alkylation damage: consequences and relevance to tumour production. Hall J, et al. **Mutat Res** 1990 Nov–Dec; 233(1–2):247–52 (45 ref.)

Carcinogenic N–nitrosamines in the diet: occurrence, formation, mechanisms and carcinogenic potential. Tricker AR, et al. **Mutat Res** 1991 Mar–Apr;259(3–4):277–89 (74 ref.)

NITROSO COMPOUNDS

ANALYSIS

Nitrates, nitrites and N–nitrosocompounds: a review of the occurrence in food and diet and the toxicological implications. Walker R. **Food Addit Contam** 1990 Nov–Dec; 7(6):717–68 (375 ref.)

METABOLISM

Tobacco smoking, chewing, and snuff dipping: factors contributing to the endogenous formation of N–nitroso compounds. Tsuda M, et al. **Crit Rev Toxicol** 1991; 21(4):243–53 (74 ref.)

TOXICITY

N–nitroso compounds and human cancer: where do we stand? Bartsch H. **IARC Sci Publ** 1991;(105):1–10 (46 ref.)

NITROSODIMETHYLAMINE see
DIMETHYLNITROSAMINE

NITROSOMETHYLNITROGUANIDINE see
METHYLNITRONITROSOGUANIDINE

NITROSOMETHYLUREA see **METHYLNITROSOUREA**

NITROSONITROMETHYLGUANIDINE see
METHYLNITRONITROSOGUANIDINE

NITROSOUREA COMPOUNDS

PHARMACOLOGY

DNA alkylation by the haloethylnitrosoureas: nature of modifications produced and their enzymatic repair or removal. Ludlum DB. **Mutat Res** 1990 Nov–Dec; 233(1–2):117–26 (38 ref.)

NITROUS OXIDE

Nitrous oxide is contraindicated in patients with coronary artery disease. Con: nitrous oxide should be used in patients with coronary artery disease. Hamilton WK.
J Cardiothorac Vasc Anesth 1991 Feb;5(1):90–1 (8 ref.)

CONTRAINDICATIONS

Nitrous oxide is contraindicated in patients with coronary artery disease. Pro: nitrous oxide should not be used in patients with coronary artery disease. Nathan HJ.
J Cardiothorac Vasc Anesth 1991 Feb;5(1):87–9 (28 ref.)

POISONING

Acute nitrous oxide intoxication: clinical symptoms, pathophysiology and treatment. Meulenbelt J, et al.
Neth J Med 1990 Oct;37(3–4):132–8 (47 ref.)

NK CELLS see **KILLER CELLS, NATURAL**

NMDA RECEPTOR–IONOPHORE COMPLEX see **RECEPTOR, N–METHYL–D–ASPARTATE**

NMR IMAGING see **MAGNETIC RESONANCE IMAGING**

NMR TOMOGRAPHY see **MAGNETIC RESONANCE IMAGING**

NO FAULT INSURANCE see **INSURANCE, LIABILITY**

NOCARDIA

ENZYMOLOGY

[The role of propionyl–CoA carboxylase in the biosynthesis of antibiotics] Kirsanov AIu, et al. **Antibiot Khimioter** 1991 Apr;36(4):32–5 (62 ref.) **(Rus)**

METABOLISM

Microbial degradation of phthalate esters. Kurane R.
Microbiol Sci 1986 Mar;3(3):92–5 (15 ref.)

NOCARDIA ASTEROIDES

ISOLATION & PURIFICATION

Vertebral osteomyelitis caused by Nocardia asteroides: report and review of the literature. Laurin JM, et al.
J Rheumatol 1991 Mar;18(3):455–8 (16 ref.)

NOCARDIA INFECTIONS

Vertebral osteomyelitis caused by Nocardia asteroides: report and review of the literature. Laurin JM, et al. **J Rheumatol** 1991 Mar;18(3):455–8 (16 ref.)

DIAGNOSIS

Nocardial meningitis: case reports and review. Bross JE, et al. **Rev Infect Dis** 1991 Jan–Feb;13(1):160–5 (39 ref.)

PATHOLOGY

Nocardiosis: report of 2 cases with review of literature in Thailand. Yenrudi S, et al. **J Med Assoc Thai** 1991 Jan; 74(1):47–54 (34 ref.)

THERAPY

[Cerebral nocardiosis cured by repeated stereotaxic punctures and antibiotic therapy] Baylot D, et al. **Presse Med** 1991 Apr 27;20(16):744–6 (10 ref.) (Eng. Abstr.) **(Fre)**

NOCARDIACEAE

METABOLISM

[New antineoplastic antibiotics. New drugs, new producers and new representatives of the known classes] Viadro MM, et al. **Antibiot Khimioter** 1990 Oct;35(10):52–6 (87 ref.) **(Rus)**

NOCICEPTION TESTS see **PAIN MEASUREMENT**

NOCICEPTORS

DRUG EFFECTS

[Central analgesic effects of non-steroidal anti-rheumatic agents] Jurna I. **Z Rheumatol** 1991;50 Suppl 1:7–13 (46 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Neurotransmitters in nociceptive modulatory circuits. Fields HL, et al. **Annu Rev Neurosci** 1991;14:219–45 (190 ref.)

Pain in the newborn—pharmacodynamic aspects. Boréus LO. **Dev Pharmacol Ther** 1990;15(3–4):142–8 (12 ref.)

Electrophysiological assessment of nociception in normals and patients: the use of nociceptive reflexes. García-Larrea L, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990; 41:102–18 (70 ref.)

Nociceptive reflexes and the somatic dysfunction: a model. Van Buskirk RL. **J Am Osteopath Assoc** 1990 Sep; 90(9):792–4, 797–809 (74 ref.)

Cardiac nociceptive reflexes: role of kinins, prostanoids and capsaicin-sensitive afferents. Staszewska-Woolley J, et al. **Pol J Pharmacol Pharm** 1990 May–Jun;42(3):237–47 (39 ref.)

Common patterns of plasticity contributing to nociceptive sensitization in mammals and Aplysia. Woolf CJ, et al. **Trends Neurosci** 1991 Feb;14(2):74–8 (60 ref.)

[Relationship between neurons in the nucleus raphe magnus and motor reflex evoked by noxious stimulation] Zou T, et al. **Chen Tzu Yen Chiu** 1990;15(3):173–6 (19 ref.) (Eng. Abstr.) **(Chi)**

[Neurophysiology of the primary sensory neuron] Tiengo M, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):339–40 (0 ref.) **(Ita)**

[Neuropeptide-mediated transmission of nociceptive information and its regulation. Novel mechanisms of analgesics] Kuraishi Y. **Yakugaku Zasshi** 1990 Oct; 110(10):711–26 (63 ref.) (Eng. Abstr.) **(Jpn)**

[The heterogeneity of the nociceptive and antinociceptive peptide mechanisms and their correlation with the genesis of pain] Kaliuzhnyi LV. **Usp Fiziol Nauk** 1990 Oct–Dec; 21(4):68–84 (133 ref.) **(Rus)**

PHYSIOPATHOLOGY

Significance of experimental models in assessing the link between myocardial ischemia and pain. Malliani A. **Adv Cardiol** 1990;37:126–41 (36 ref.)

Basic mechanisms in vascular headache. Moskowitz MA. **Neurol Clin** 1990 Nov;8(4):801–15 (49 ref.)

Influence of opiate systems in pain transmission during angina pectoris. Droste C. **Z Kardiol** 1990;79 Suppl 3:31–43 (181 ref.)

[Diffuse noxious inhibitory controls: theoretical aspects applied to the effects of regional administration of morphine] Le Bars D, et al. **Neurochirurgie** 1990; 36(6):329–35 (38 ref.) (Eng. Abstr.) **(Fre)**

[Disorders of pain perception in schizophrenia] Jakubaschk J, et al. **Schweiz Arch Neurol Psychiatr** 1991;142(1):55–76 (50 ref.) (Eng. Abstr.) **(Ger)**

NODDING SPASM see **SPASMS, INFANTILE**

NODULAR LEPROSY see **LEPROSY, LEPROMATOUS**

NOISE

see related
ACOUSTIC STIMULATION
HEARING LOSS, NOISE-INDUCED

ADVERSE EFFECTS

Noise exposure from leisure activities: a review. Clark WW. **J Acoust Soc Am** 1991 Jul;90(1):175–81 (54 ref.)

Modeling the interactions between noise exposure and other variables. Humes LE, et al. **J Acoust Soc Am** 1991 Jul; 90(1):182–8 (21 ref.)

Effects of peak pressure and energy of impulses. Patterson JH Jr. **J Acoust Soc Am** 1991 Jul;90(1):205–8 (12 ref.)

Environmental noise and fetal hearing [published erratum appears in J Tenn Med Assoc 1991 Mar;84(3):146] Thurston FE, et al. **J Tenn Med Assoc** 1991 Jan;84(1):9–12 (24 ref.)

Prenatal and perinatal risks of hearing loss. Gerhardt KJ. **Semin Perinatol** 1990 Aug;14(4):299–304 (46 ref.)

NOISE, OCCUPATIONAL

ADVERSE EFFECTS

Field studies: industrial exposures. Johnson DL. **J Acoust Soc Am** 1991 Jul;90(1):170–4 (22 ref.)

NOMENCLATURE

"Spare receptors" and "partial agonists"—romantic terms to explain a pharmacology deriving from the structural diversity of GABAA receptors. Costa E. **Adv Biochem Psychopharmacol** 1990;46:221–30 (29 ref.)

Lipopigments in veterinary pathology: pathogenesis and terminology. Jolly RD, et al. **Adv Exp Med Biol** 1989; 266:157–67; discussion 168 (37 ref.)

First UK consensus conference on lithotriptor terminology—1989. Tolley DA, et al. **Br J Urol** 1991 Jan; 67(1):9–12 (0 ref.)

Let's agree on terminology: definitions of sepsis. Bone RC. **Crit Care Med** 1991 Jul;19(7):973–6 (22 ref.)

The UDP glucuronosyltransferase gene superfamily: suggested nomenclature based on evolutionary divergence. Burchell B, et al. **DNA Cell Biol** 1991 Sep;10(7):487–94 (40 ref.)

Is there a need for more precise definitions of bioavailability? Conclusions of a consensus workshop, Munich, September 9, 1989; under the patronage of the F.I.P. **Eur J Clin Pharmacol** 1991;40(2):123–6 (6 ref.)

The Dutch hypothesis (chronic non-specific lung disease) revisited. Sluiter HJ, et al. **Eur Respir J** 1991 Apr; 4(4):479–89 (120 ref.)

Terminology and behavior reduction: the case against "punishment". Skiba RJ, et al. **Except Child** 1991 Feb; 57(4):298–313 (110 ref.)

On the establishment of the Japanese Industrial Standard (JIS) T1011—Glossary of Terms used in Medical Electrical Equipment (General Terms). Kikuchi M. **Front Med Biol Eng** 1990;2(4):245–8 (0 ref.)

Terminology in surface microscopy. Consensus meeting of the Committee on Analytical Morphology of the Arbeitsgemeinschaft Dermatologische Forschung, Hamburg, Federal Republic of Germany, Nov. 17, 1989. Bahmer FA, et al. **J Am Acad Dermatol** 1990 Dec;23(6 Pt 1):1159–62 (18 ref.)

On the priorities of publication of some operative procedures on the distal end of the ulna. Buck-Gramcko D. **J Hand Surg [Br]** 1990 Nov;15(4):416–20 (37 ref.)

Gingival crown margin configurations: a review and discussion. Part I: Terminology and widths. Hunter AJ, et al. **J Prosthet Dent** 1990 Nov;64(5):548–52 (59 ref.)

International Commission on the Taxonomy of Fungi (ICTF): name changes in fungi of microbiological, industrial and medical importance. Part 2. Cannon PF. **Microbiol Sci** 1986 Sep;3(9):285–7 (0 ref.)

Nomenclature of fatty acid-binding proteins. Glatz JF, et al. **Mol Cell Biochem** 1990 Oct 15–Nov 8;98(1–2):231–5 (22 ref.)

Nomenclature and research case definitions for neurologic manifestations of human immunodeficiency virus-type 1 (HIV-1) infection. Report of a Working Group of the American Academy of Neurology AIDS Task Force. **Neurology** 1991 Jun;41(6):778–85 (62 ref.)

Terminology and classification of neuroendocrine neoplasms of the larynx. Ferlito A, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(4):185–7 (30 ref.)

Otitis media: the pathogenesis approach. Definitions and terminology. Goycoolea MV, et al. **Otolaryngol Clin North Am** 1991 Aug;24(4):757–61 (10 ref.)

Human leucocyte differentiation antigens: review of the CD nomenclature. Erber WN. **Pathology** 1990 Apr;22(2):61–9 (53 ref.)

Definitions of dyspepsia. Heading RC. **Scand J Gastroenterol Suppl** 1991;182:1–6 (25 ref.)

Small-duct primary sclerosing cholangitis. Ludwig J. **Semin Liver Dis** 1991 Feb;11(1):11–7 (40 ref.)

Correlation and revised nomenclature of ventral nuclei in the thalamus of human and monkey. Jones EG. **Stereotact Funct Neurosurg** 1990;54–55:1–20 (53 ref.)

[Bazin's erythema induratum: obsolete concept and terminology] Cribier B, et al. **Ann Dermatol Venereol** 1990; 117(12):937–43 (52 ref.) (Eng. Abstr.) **(Fre)**

[To a new definition of malignant histiocytosis in children (editorial)] Nézelof C. **Arch Fr Pediatr** 1990 Dec; 47(10):697–9 (18 ref.) **(Fre)**

[Names of plant viruses in Japanese terminology] **Uirusu** 1990 Jun;40(1):1–7 (0 ref.) **(Jpn)**

[Is "late pregnancy toxemia" late?] Katsulov A. **Akush Ginekol (Mosk)** 1990 Oct;(10):6–8 (21 ref.) **(Rus)**

[The language of pain: differential diagnosis of craniofacial pain] Hernández Gallego J, et al. **Med Clin (Barc)** 1990 Jul 7;95(6):224–7 (19 ref.) **(Spa)**

NON-A, NON-B HEPATITIS VIRUS see **HEPATITIS C VIRUS**

NON-HODGKIN'S LYMPHOMA see **LYMPHOMA, NON-HODGKIN'S**

NONAGENARIAN see **AGED, 80 AND OVER**

NONDISJUNCTION, GENETIC

Alpha and beta satellite sequences on chromosome 21: the possible role of centromere and chromosome structure in nondisjunction. Willard HF. **Prog Clin Biol Res** 1990; 360:39–52 (32 ref.)

NON-HISTONE CHROMOSOMAL PROTEINS see **CHROMOSOMAL PROTEINS, NON-HISTONE**

NONINVASIVE LITHOLAPAXY see **LITHOTRIPSY**

NONLYMPHOBLASTIC LEUKEMIA, ACUTE see **LEUKEMIA, NONLYMPHOCYTIC, ACUTE**

NONLYMPHOCYTIC LEUKEMIA, ACUTE see **LEUKEMIA, NONLYMPHOCYTIC, ACUTE**

NON-SMALL CELL LUNG CARCINOMA see **CARCINOMA, NON-SMALL CELL LUNG**

NON-STEROIDAL ANTI-INFLAMMATORY AGENTS see **ANTI-INFLAMMATORY AGENTS, NON-STEROIDAL**

NONVERBAL COMMUNICATION

Principles of non-verbal communication in efforts to reduce peer and social pressure. Duryea EJ. **J Sch Health** 1991 Jan;61(1):5–10 (52 ref.)

[The problem of communication in children with hearing disorders in relation to general aspects of the development of communicative behavior. A review] Kammerer E. **Z Kinder Jugenpsychiatr** 1990 Dec;18(4):224–30 (30 ref.) **(Ger)**

NOONAN SYNDROME

Noonan-like/multiple giant cell lesion syndrome. Cohen MM Jr, et al. **Am J Med Genet** 1991 Aug 1;40(2):159–66 (49 ref.)

COMPLICATIONS

The neurofibromatosis-Noonan syndrome: genetic heterogeneity versus clinical variability. Case report and review of the literature. Borochowitz Z, et al. **Neurofibromatosis** 1989;2(5–6):309–14 (24 ref.)

DIAGNOSIS

[Periodontal disease in Noonan's syndrome] Torres-Carmona MA, et al. **Bol Med Hosp Infant Mex** 1991 Apr;48(4):271–4 (12 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

What is the value of growth hormone treatment in short children with specified syndrome? Turner's syndrome, osteochondrodysplasias, Prader-Willi syndrome, Noonan syndrome. Nilsson KO. **Acta Paediatr Scand Suppl** 1989; 362:61–8 (67 ref.)

NOOTROPIC DRUGS see **PSYCHOTROPIC DRUGS**

NORADRENALINE see **NOREPINEPHRINE**

19-NORANDROSTANES see **ESTRANES**

NORBORNANES

CHEMICAL SYNTHESIS

[Norbornane compounds in pharmaceutical research. 1] Buchbauer G, et al. **Pharmazie** 1991 Feb;46(2):88–97 (0 ref.) **(Ger)**

NORCAMPHANES see **NORBORNANES**

NOREPHEDRINE see **PHENYLPROPANOLAMINE**

NOREPINEPHRINE

BLOOD

Hypertensives' pressor response to norepinephrine. Analysis by infusion rate and plasma levels. Ziegler MG, et al. **Am J Hypertens** 1991 Jul;4(7 Pt 1):586–91 (30 ref.)

METABOLISM

On the role of adenylate cyclase in presynaptic modulation of neurotransmitter release mediated by monoamine and opioid receptors in the brain. Mulder AH, et al. **Ann N Y Acad Sci** 1990;604:237–49 (60 ref.)

Modulation of noradrenaline release by activation of presynaptic beta-adrenoceptors in the cardiovascular system. Nedergaard OA, et al. **Ann N Y Acad Sci** 1990; 604:528–44 (84 ref.)

Hypernoradrenergic innervation and vascular smooth muscle hyperplastic change. Head RJ. **Blood Vessels** 1991; 28(1–3):173–8 (14 ref.)

Variable receptor affinity and tissue sensitivity. Oriowo MA, et al. **Blood Vessels** 1991;28(1–3):115–21 (36 ref.)

Biochemical evidence of sympathetic hyperactivity in human hypertension. Esler M, et al. **Hypertension** 1991 Apr;17(4 Suppl):III29–35 (45 ref.)

Carrier-mediated outward transport of noradrenaline from adrenergic varicosities. Trendelenburg U. **Pol J Pharmacol Pharm** 1990 Nov–Dec;42(6):515–20 (20 ref.)

PHARMACOLOGY

Parathyroid hormone and the vascular response to norepinephrine. Iseki K. **Am J Hypertens** 1990 Aug;3(8 Pt 2):238S–240S (26 ref.)

Pharmacology of noradrenaline and neuropeptide tyrosine (NPY)-mediated sympathetic cotransmission. Lundberg JM, et al. **Fundam Clin Pharmacol** 1990;4(4):373–91 (82 ref.)

PHYSIOLOGY

Neuropeptide Y and central cardiovascular regulation. Focus on its role as a cotransmitter in cardiovascular adrenergic neurons. Fuxe K, et al. **Ann N Y Acad Sci** 1990;611:111–32 (66 ref.)

Receptor interactions at noradrenergic neurones. Illes P, et al. **Ann N Y Acad Sci** 1990;604:197–210 (67 ref.)

Presynaptic receptors on peripheral noradrenergic neurons. Langer SZ, et al. **Ann N Y Acad Sci** 1990;604:7–16 (64 ref.)

Noradrenergic function in panic disorder. Charney DS, et al. **J Clin Psychiatry** 1990 Dec;51 Suppl A:5–11 (115 ref.)

Monoamine systems in the cerebral cortex: evidence for anatomical specificity. Papadopoulos GC, et al. **Prog Neurobiol** 1991;36(3):195–200 (79 ref.)

Dopamine and norepinephrine activity in schizophrenia. An integrative perspective. van Kammen DP, et al. **Schizophr Res** 1991 Mar–Apr;4(2):173–91 (110 ref.)

[Noradrenaline and cerebral aging] Jouvet M, et al. **Encephale** 1991 May–Jun;17(3):187–95 (68 ref.) (Eng. Abstr.) **(Fre)**

[Physiological control mechanism of gastrointestinal motility] Fujii K. **Nippon Heikatsukin Gakkai Zasshi** 1990 Apr; 26(2):93–106 (39 ref.) **(Jpn)**

[Control of spinal motor system by descending noradrenergic neuron] Fukuda H, et al. **Nippon Yakurigaku Zasshi** 1990 Jul;96(1):1–9 (48 ref.) (Eng. Abstr.) **(Jpn)**

[Adrenergic mechanisms in pathophysiology and treatment of chronic circulatory failure] Witkowska M. **Kardiol Pol** 1990 Jan;33(1):50–7 (37 ref.) **(Pol)**

[Psychotropic effect of clonidine—the role of alpha 2 adrenergic receptors in the pathogenesis of mental disorders] Kasperowicz-Dąbrowiecka A, et al. **Psychiatr Pol** 1990 Mar–Apr;24(2):151–9 (40 ref.) **(Pol)**

SECRETION

Mechanisms of facilitation and muscarinic or alpha-adrenergic inhibition of acetylcholine and noradrenaline secretion from peripheral nerves. Alberts P. **Acta Physiol Scand Suppl** 1982;506:1–39 (253 ref.)

Neuropeptide Y and sympathetic neurotransmission. Lundberg JM, et al. **Ann N Y Acad Sci** 1990;611:166–74 (50 ref.)

THERAPEUTIC USE

[Norepinephrine in the therapy of septic shock: a revival?] Putterman C. **Harefuah** 1991 Feb 15;120(4):218–20 (23 ref.) **(Heb)**

NORFLOXACIN

PHARMACOLOGY

Update on quinolone drug interactions. Hulisz D, et al. **Am Pharm** 1990 Sep;NS30(9):34–6 (24 ref.)

THERAPEUTIC USE

Prevention of bacterial resistance in urinary tract infections. Goldstein EJ. **Eur Urol** 1991;19 Suppl 1:28–32 (45 ref.)

NORGESTREL

Subdermal progestin implant contraception. Darney PD. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):470–6 (32 ref.)

Modern trends in contraception. Burkman RT. **Obstet Gynecol Clin North Am** 1990 Dec;17(4):759–74 (58 ref.)

Results of a multilateral study with Anteovin. Seregély G. **Ther Hung** 1990;38(4):160–5 (64 ref.)

ADMINISTRATION & DOSAGE

Levonorgestrel-releasing intrauterine device. Luukkainen T. **Ann N Y Acad Sci** 1991;626:43–9 (20 ref.)

Transdermal delivery of levonorgestrel. Friend DR. **Med Res Rev** 1991 Jan;11(1):49–80 (119 ref.)

ANALOGS & DERIVATIVES

Pharmacologic and pharmacokinetic characteristics of norgestimate and its metabolites. McGuire JL, et al. **Am J Obstet Gynecol** 1990 Dec;163(6 Pt 2):2127–31 (14 ref.)

NORLAUDANOSOLINE see **TETRAHYDROPAPAVEROLINE**

NORMAL RANGE see **REFERENCE VALUES**

NORMAL SERUM GLOBULIN THERAPY see **IMMUNIZATION, PASSIVE**

NORMAL VALUES see **REFERENCE VALUES**

NORMOBLASTS see **ERYTHROBLASTS**

NORPREGNENES

PHARMACOKINETICS

Pharmacokinetics of gestodene and ethinyl estradiol after oral administration of a monophasic contraceptive. Täuber U, et al. **Am J Obstet Gynecol** 1990 Oct;163(4 Pt 2):1414–20 (14 ref.)

NORSTEROIDS

PHARMACOLOGY

[Norsteroids: their biological activity and clinical use] Zaĭdieva IaZ. **Akush Ginekol (Mosk)** 1990 Sep;(9):5–8 (32 ref.) **(Rus)**

NORTRIPTYLINE

BLOOD

[Blood levels of tricyclic antidepressants and their clinical effectiveness (review of the literature)] Chekalina ND. **Zh Nevropatol Psikhiatr** 1991;91(5):116–22 (79 ref.) **(Rus)**

NOSE

ABNORMALITIES

[Frontonasal dysplasia. Case report and review of the literature] Lorenz P, et al. **Kinderarztl Prax** 1990 Aug; 58(8):415–20 (16 ref.) (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Comparison between the vascular beds of upper and lower airways. Widdicombe JG. **Eur Respir J Suppl** 1990 Dec; 12:564s–571s (37 ref.)

CYTOLOGY

Human nasal and bronchial epithelial cells in culture: an overview of their characteristics and function. Devalia JL, et al. **Allergy Proc** 1991 Mar–Apr;12(2):71–9 (59 ref.)

INJURIES

Successful replantation of nose by microsurgical technique, and review of literature. Niazi Z, et al. **Br J Plast Surg** 1990 Sep;43(5):617–20 (13 ref.)

INNERVATION

The migration of luteinizing hormone-releasing hormone (LHRH) neurons from the medial olfactory placode into the medial basal forebrain. Schwanzel-Fukuda M, et al. **Experientia** 1990 Sep 15;46(9):956–62 (61 ref.)

PHYSIOLOGY

Physiology of the nose. Abramson M, et al. **Otolaryngol Clin North Am** 1973 Oct;6(3):623–35 (18 ref.)

PHYSIOPATHOLOGY

The "stuffy" nose. May M, et al. **Otolaryngol Clin North Am** 1973 Oct;6(3):655–74 (19 ref.)

Nasal pathophysiology. Widdicombe JG. **Respir Med** 1990 Nov;84 Suppl A:3–9; discussion 9–10 (27 ref.)

SURGERY

Modified nasolabial transposition flap provides vestibular lining and cover of alar defect with intact rim. Robinson JK, et al. **Arch Dermatol** 1990 Nov;126(11):1425–7 (14 ref.)

Reconstruction of the nose with local flaps. Zitelli JA, et al. **J Dermatol Surg Oncol** 1991 Feb;17(2):184–9 (4 ref.)

NOSE BLEED see **EPISTAXIS**

NOSE DEFORMITIES, ACQUIRED

SURGERY

[Implants in reconstructive surgery of the nasal bone] Trybus M. **Polim Med** 1990;20(1–4):15–23 (57 ref.) (Eng. Abstr.) **(Pol)**

NOSE DISEASES

Invasive Chrysosporium infection of the nose and paranasal sinuses in an immunocompromised host. Levy FE, et al. **Otolaryngol Head Neck Surg** 1991 Mar;104(3):384–8 (10 ref.)

COMPLICATIONS

Giant cell reparative granuloma presenting as a midline nasal mass. Govett GS, et al. **Ear Nose Throat J** 1991 Mar; 70(3):137–9 (17 ref.)

DIAGNOSIS

[Amyloidosis in the ear, nose and throat] Sawaki S. **Nippon Rinsho** 1991 Apr;49(4):931–4 (10 ref.) **(Jpn)**

EPIDEMIOLOGY

Nasal dermoid sinus cysts: association with intracranial extension and multiple malformations. Wardinsky TD, et al. **Cleft Palate Craniofac J** 1991 Jan;28(1):87–95 (32 ref.)

ETIOLOGY

Ectodermal dysplasia: the otolaryngologic manifestations and management. Siegel MB, et al. **Int J Pediatr Otorhinolaryngol** 1990 Aug;19(3):265–71 (12 ref.)

[Naso-orbito-cerebral mucormycosis. A more & more common disease] Orsel S, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(3):221–5 (13 ref.) (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

Nasal transit time in normal subjects and pathologic conditions. Englender M, et al. **Otolaryngol Head Neck Surg** 1990 Dec;103(6):909–12 (18 ref.)

SURGERY

A new approach for repair of oro-antral-nasal fistulae. The anteriorly based buccinator myomucosal island flap. Carstens MH, et al. **J Craniomaxillofac Surg** 1991 Feb; 19(2):64–70 (40 ref.)

Minor intranasal procedures. Donald PJ. **Otolaryngol Clin North Am** 1973 Oct;6(3):715–25 (2 ref.)

Nasal fistulas. Krause CJ. **Otolaryngol Clin North Am** 1973 Oct;6(3):791–800 (2 ref.)

VETERINARY

Upper airway conditions in older horses, broodmares, and stallions. Embertson RM. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):149–64 (66 ref.)

Rhinoscopy. McCarthy TC, et al. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1265–90 (1 ref.)

NOSE NEOPLASMS

Neoplasms of the nasal cavity. Bortnick E. **Otolaryngol Clin North Am** 1973 Oct;6(3):801–12 (9 ref.)

Inverted papillomas of the nasal septum. Bacon CK, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1990;42:1008–13 (28 ref.)

COMPLICATIONS

[Malignant nasal oncocytoma disclosed by mucocele of the lacrimal sac with hemolacrimia] Fayet B, et al. **J Fr Ophtalmol** 1990;13(3):153–8 (18 ref.) **(Fre)**

DIAGNOSIS

Extramedullary nasal plasmacytoma. Navarrete ML, et al. **J Laryngol Otol** 1991 Jan;105(1):41–3 (19 ref.)

[Primary meningioma of the nose and the paranasal sinus] Fernández Liesa R, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(1):34–7 (18 ref.) (Eng. Abstr.) **(Fre)**

[Olfactory esthesioneuroblastoma (we present 4 cases from our service)] Cejas Méndez L, et al. **Acta Otorrinolaringol Esp** 1991 May–Jun;42(3):193–7 (10 ref.) (Eng. Abstr.) **(Spa)**

[Olfactory neurobiastoma. A clinical and morphological study] Garín L, et al. **Acta Otorrinolaringol Esp** 1991 May–Jun;42(3):205–9 (19 ref.) (Eng. Abstr.) **(Spa)**

[The problems posed by nasosinusal chondrosarcoma: a review of the literature and a case report] Esteban Ortega F, et al. **An Otorrinolaringol Ibero Am** 1990;17(5):519–34 (38 ref.) (Eng. Abstr.) **(Spa)**

[Solitary rhinosinusal plasmacytoma. A review of its diagnosis and treatment] Gallego de la Fuente MC, et al. **An Otorrinolaringol Ibero Am** 1990;17(6):591–8 (18 ref.) (Eng. Abstr.) **(Spa)**

[Nasosinusal inverted papilloma. A case report] Martí Peña M, et al. **An Otorrinolaringol Ibero Am** 1990;17(6):577–89 (30 ref.) (Eng. Abstr.) **(Spa)**

EPIDEMIOLOGY

Nasal dermoid sinus cysts: association with intracranial extension and multiple malformations. Wardinsky TD, et al. **Cleft Palate Craniofac J** 1991 Jan;28(1):87–95 (32 ref.)

Malignancy of the nose and sinuses. Epidemiological and aetiological considerations. Lund VJ. **Rhinology** 1991 Mar; 29(1):57–68 (69 ref.)

ETIOLOGY

Angiocentric immunoproliferative lesion/T-cell non-Hodgkin's lymphoma and the acquired immune deficiency syndrome: a case report and review of the literature. Gold JE, et al. **Cancer** 1990 Dec 1;66(11):2407–13 (74 ref.)

[Nasoglioma: apropos of 2 cases] Touhami M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1989;110(1):109–13 (31 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Salivary-type neoplasms of the sinonasal tract. Manning JT, et al. **Ann Otol Rhinol Laryngol** 1991 Aug;100(8):691–4 (18 ref.)

Vascular leiomyoma of the nasal cavity: report of a case and review of literature. Ragbeer MS, et al. **J Oral Maxillofac Surg** 1990 Oct;48(10):1113–7 (12 ref.)

[Nasal hemangiopericytoma] De Miguel García F, et al. **Acta Otorrinolaringol Esp** 1991 Jan–Feb;42(1):71–4 (29 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Modified nasolabial transposition flap provides vestibular lining and cover of alar defect with intact rim. Robinson JK, et al. **Arch Dermatol** 1990 Nov;126(11):1425–7 (14 ref.)

Craniofacial resection for tumors of the ethmoid and superior nasal vault. Levine PA. **Cancer Treat Res** 1990;52:47–53 (25 ref.)

THERAPY

Esthesioneuroblastoma: is there a role for elective neck treatment? Beitler JJ, et al. **Head Neck** 1991 Jul–Aug; 13(4):321–6 (30 ref.)

Unusual nasal tumors. Problems in diagnosis and treatment. Ogura JH, et al. **Otolaryngol Clin North Am** 1973 Oct; 6(3):813–37 (50 ref.)

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the nasal cavity. Schuller HM, et al. **IARC Sci Publ** 1990;(99):259–74 (33 ref.)

NOSEBLEED see **EPISTAXIS**

NOSOCOMIAL INFECTIONS see **CROSS INFECTION**

NOTOCHORD

PHYSIOLOGY

Motorizing the spinal cord. Lumsden A. **Cell** 1991 Feb 8; 64(3):471–3 (21 ref.)

NOVOBIOCIN

PHARMACOLOGY

Topoisomerase II can relax; novobiocin is a mitochondrial poison after all. Collins A. **Bioessays** 1990 Oct;12(10):493–4 (16 ref.)

NTR GENES see **GENES, NITROGEN FIXATION**

NUCLEAR ENERGY

see related
RADIATION PROTECTION
RADIOACTIVE WASTE

STATISTICS & NUMERICAL DATA

Current status of nuclear power in the United States and around the world. McKlveen JW. **Australas Phys Eng Sci Med** 1990 Sep;13(3):101–9 (42 ref.)

NUCLEAR ENVELOPE see **NUCLEAR MEMBRANE**

NUCLEAR FACTOR KAPPA B see **NF-KAPPA B**

NUCLEAR MAGNETIC RESONANCE

see related
MAGNETIC RESONANCE IMAGING

Magnetic resonance spectroscopy in psychiatry: potential, pitfalls, and promise. Keshavan MS, et al. **Am J Psychiatry** 1991 Aug;148(8):976–85 (69 ref.)

Nuclear magnetic resonance studies of cellular metabolism. Lundberg P, et al. **Anal Biochem** 1990 Dec;191(2):193–222 (330 ref.)

Phosphorus magnetic resonance spectroscopy in nutritional research. Argov Z, et al. **Annu Rev Nutr** 1991;11:449–64 (31 ref.)

Mechanism of adenylate kinase: site-directed mutagenesis versus X-ray and NMR. Tsai MD, et al. **Biochemistry** 1991 Jul 16;30(28):6806–18 (83 ref.)

Nuclear magnetic resonance spectroscopy of dense cell populations for metabolic studies and bioreactor engineering: a synergistic partnership. Dale BE, et al. **Biotechnology** 1991;17:107–18 (17 ref.)

Uses and limitations of nuclear magnetic resonance (NMR) spectroscopy in clinical pharmacokinetics. Malet-Martino MC, et al. **Clin Pharmacokinet** 1991 May;20(5):337–49 (43 ref.)

Recent developments in design, characterization, and understanding of MRI and MRS contrast media. Muller RN, et al. **Invest Radiol** 1990 Sep;25 Suppl 1:S34–6 (10 ref.)

Applications of nuclear magnetic resonance in parasitology. Thompson SN. **J Parasitol** 1991 Feb;77(1):1–20 (96 ref.)

NMR measurements of different tissue perfusion parameters. Dixon WT. **Magn Reson Med** 1991 Jun;19(2):210–3 (10 ref.)

Microbiological applications of NMR spectroscopy. Part 1. Baxter RL. **Microbiol Sci** 1985 Jul;2(7):203–6, 211 (17 ref.)

Microbiological applications of NMR spectroscopy. Part 2. Baxter RL. **Microbiol Sci** 1985 Nov;2(11):340–5 (24 ref.)

The MRI measurement of NMR and physiological parameters in tissue to study disease process. Tofts PS, et al. **Prog Clin Biol Res** 1991;363:313–25 (10 ref.)

Follow-up by 31P NMR spectroscopy of the energy metabolism of malignant tumor in rats during treatment. Allavena C, et al. **Radiother Oncol** 1991 May;21(1):48–52 (30 ref.)

The role of magnetic resonance spectroscopy in neuro-oncology. Shores A, et al. **Semin Vet Med Surg (Small Anim)** 1990 Nov;5(4):237–40 (7 ref.)

Magnetic resonance as a non-invasive tool to study metabolism in pharmacological research. Kaplan O, et al. **Trends Pharmacol Sci** 1990 Oct;11(10):398–400 (17 ref.)

[Magnetic resonance spectroscopy; current possibilities for the staging of tumors and the evaluation of response to therapy] Sijens PE, et al. **Ned Tijdschr Geneeskd** 1991 Mar 2;135(9):361–6 (29 ref.) **(Dut)**

[The nuclear magnetic resonance in endocrinology. Spectroscopy and imaging, present and future] Rossi M, et al. **Ann Endocrinol (Paris)** 1990;51(3–4):138–43 (25 ref.) (Eng. Abstr.) **(Fre)**

[Abnormalities of the skeletal muscle in hypertrophic cardiomyopathy. Spectroscopy using phosphorus-31 nuclear magnetic resonance] Duboc D, et al. **Arch Mal Coeur Vaiss** 1991 Feb;84(2):185–8 (20 ref.) (Eng. Abstr.) **(Fre)**

[Fundamental aspects of magnetic resonance spectroscopy in vivo] Lanza S. **Radiol Med (Torino)** 1990 Jul–Aug; 80(1–2):158–63 (0 ref.) **(Ita)**

[Nuclear medical methods in cardiology] Mangschau A, et al. **Tidsskr Nor Laegeforen** 1991 Feb 28;111(6):681–4 (14 ref.) (Eng. Abstr.) **(Nor)**

DIAGNOSTIC USE

Recent advances in MR imaging/spectroscopy of cerebral ischemia. Baker LL, et al. **AJR Am J Roentgenol** 1991 Jun; 156(6):1133–43 (89 ref.)

Characterization of tumor hypoxia by 31P MR spectroscopy. Steen RG. **AJR Am J Roentgenol** 1991 Aug;157(2):243–8 (40 ref.)

Clinical nuclear magnetic resonance spectroscopy: insight into metabolism. Schaefer S. **Am J Cardiol** 1990 Oct 26; 66(14):45F–50F (27 ref.)

Magnetic resonance imaging and spectroscopy of the breast. Stelling CB. **Curr Opin Radiol** 1990 Oct;2(5):746–50 (8 ref.)

Molecular diffusion nuclear magnetic resonance imaging. Le Bihan D. **Magn Reson Q** 1991 Jan;7(1):1–30 (138 ref.)

Magnetic resonance spectroscopy of the heart. Higgins CB. **Radiol Med (Torino)** 1990 Jul–Aug;80(1–2):164–7 (22 ref.)

[Spectroscopy of phosphorus in nuclear magnetic resonance. General review of clinical applications to the study of human skeletal muscle] Kaminsky P, et al. **Rev Med Interne** 1991 Mar–Apr;12(2):128–30, 133–8 (52 ref.) (Eng. Abstr.) **(Fre)**

[31P-MRS (brain tumors)] Hashimoto T, et al. **Nippon Rinsho** 1991 Jul;49(7):1660–7 (13 ref.) **(Jpn)**

[Study of cerebral infarction using 31P MRS] Higuchi T, et al. **Nippon Rinsho** 1991 Jul;49(7):1668–73 (17 ref.) **(Jpn)**

[Multinuclear MRS and CSI techniques for clinical applications] Iriguchi N. **Nippon Rinsho** 1991 Jul; 49(7):1640–4 (17 ref.) **(Jpn)**

[Localized spectroscopy and chemical shift imaging] Kamei H. **Nippon Rinsho** 1991 Jul;49(7):1619–26 (17 ref.) **(Jpn)**

[Metabolism of fluorohexoses in brain] Kanazawa Y, et al. **Nippon Rinsho** 1991 Jul;49(7):1702–6 (11 ref.) **(Jpn)**

[Estimation of neuronal cell viability by 23Na magnetic resonance spectroscopy] Naritomi H. **Nippon Rinsho** 1991 Jul;49(7):1680–4 (8 ref.) **(Jpn)**

[Proton magnetic resonance spectroscopy and chemical shift imaging] Naruse S, et al. **Nippon Rinsho** 1991 Jul; 49(7):1645–55 (13 ref.) **(Jpn)**

[31P chemical shift imaging of cerebral infarction, intracerebral hematoma and brain tumor] Sasahira M, et al. **Nippon Rinsho** 1991 Jul;49(7):1690–6 (27 ref.) **(Jpn)**

[Applications of in vivo 13C NMR spectroscopy] Yano T, et al. **Nippon Rinsho** 1991 Jul;49(7):1674–9 (20 ref.) **(Jpn)**

[Clinical magnetic resonance spectroscopy] Kossovoi AL. **Med Radiol (Mosk)** 1991;36(7):55–8 (67 ref.) **(Rus)**

INSTRUMENTATION

Psychiatry and the new magnetic resonance era. Lock T, et al. **Br J Psychiatry Suppl** 1990;(9):38–55 (71 ref.)

Applications of quantitative 1H- and 13C-NMR spectroscopy in drug analysis. Pieters LA, et al. **J Pharm Biomed Anal** 1989;7(12):1405–71 (41 ref.)

[Experimental and clinical possibilities of MR spectroscopy of the heart] Neubauer S, et al. **Z Kardiol** 1991 Jan; 80(1):25–36 (62 ref.) (Eng. Abstr.) **(Ger)**

[The development of clinical high tesla MRI/S system] Ikehira H, et al. **Nippon Rinsho** 1991 Jul;49(7):1627–33 (9 ref.) **(Jpn)**

METHODS

Two-, three-, and four-dimensional NMR methods for obtaining larger and more precise three-dimensional structures of proteins in solution. Clore GM, et al. **Annu Rev Biophys Biophys Chem** 1991;20:29–63 (120 ref.)

In vivo NMR spectroscopy. Allen PS. **Basic Life Sci** 1990; 55:419–26 (24 ref.)

Applications of multinuclear NMR in the solid state to structural and dynamical problems in macromolecular chemistry. Bryant RG, et al. **Basic Life Sci** 1990;56:255–71 (27 ref.)

Oxygen exchange and bond cleavage reactions of carbohydrates studied using the 18O isotope shift in 13C NMR spectroscopy. Mega TL, et al. **Basic Life Sci** 1990; 56:85–93 (26 ref.)

Applications of NMR in agriculture and biochemistry. Schmidt SJ, et al. **Basic Life Sci** 1990;56:1–6 (57 ref.)

Selective excitation techniques for water suppression in one- and two-dimensional NMR spectroscopy. Sklenár V. **Basic Life Sci** 1990;56:63–84 (48 ref.)

N.m.r. and biochemistry. Campbell ID. **Biochem Soc Trans** 1991 Apr;19(2):243–8 (70 ref.)

The NMR blood test for cancer: current status. Fossel ET. **Cancer Cells** 1991 May;3(5):173–82 (55 ref.)

Cardiovascular nuclear magnetic resonance imaging and spectroscopy. Rehr RB. **Curr Probl Cardiol** 1991 Mar; 16(3):125–215 (200 ref.)

Nuclear magnetic resonance relaxation methodology: application to enzyme systems. Kasturi SR, et al. **Indian J Biochem Biophys** 1990 Aug;27(4):187–94 (30 ref.)

13C NMR spectroscopy as a tool to investigate renal metabolism. Jans AW, et al. **Kidney Int** 1991 Mar; 39(3):430–7 (32 ref.)

From E.M. microprobe analysis to NMRD studies of the lens. Clark JI, et al. **Lens Eye Toxic Res** 1989;6(4):523–39 (31 ref.)

The validation of freely diffusible tracer methods with NMR detection for measurement of blood flow. Neil JJ. **Magn Reson Med** 1991 Jun;19(2):299–304 (20 ref.)

Acquisition and quantitation in proton spectroscopy. Luyten PR, et al. **NMR Biomed** 1991 Apr;4(2):64–9 (33 ref.)

MR imaging and MR spectroscopy of the heart: present and future possibilities and limitations. Sauter R, et al. **Radiol Med (Torino)** 1990 Jul–Aug;80(1–2):172–80 (16 ref.)

A review of 23Na nuclear magnetic resonance spectroscopy for the in vitro study of cellular sodium metabolism. Nissen H, et al. **Scand J Clin Lab Invest** 1990 Sep;50(5):497–507 (38 ref.)

NMR: a tool for studying renal function and nephrotoxicity. Ross BD, et al. **Toxicol Lett** 1990 Sep;53(1–2):9–12 (5 ref.)

13C-NMR: a simple yet comprehensive method for analysis of intermediary metabolism. Jeffrey FM, et al. **Trends Biochem Sci** 1991 Jan;16(1):5–10 (36 ref.)

NUCLEAR MATRIX

DRUG EFFECTS

Nuclear matrix targets for anticancer agents. Fernandes DJ, et al. **Cancer Cells** 1991 Apr;3(4):134–40 (54 ref.)

NUCLEAR MEDICINE

see related
RADIOISOTOPES

Paediatric nuclear medicine. Piepsz A, et al. **Eur J Nucl Med** 1991;18(1):41–66 (244 ref.)

Monte Carlo techniques in medical radiation physics. Andreo P. **Phys Med Biol** 1991 Jul;36(7):861–920 (300 ref.)

INSTRUMENTATION

Nuclear medicine equipment. O'Callaghan MW. **Semin Vet Med Surg (Small Anim)** 1991 May;6(2):108–18 (9 ref.)

METHODS

The antibody-linked chelating polymers for nuclear therapy and diagnostics. Torchilin VP, et al. **Crit Rev Ther Drug Carrier Syst** 1991;7(4):275–308 (101 ref.)

STANDARDS

Techniques for radioactive decontamination in nuclear medicine. Mountford PJ. **Semin Nucl Med** 1991 Jan; 21(1):82–9 (12 ref.)

TRENDS

Current and future radiopharmaceuticals for brain imaging with single photon emission computed tomography. Kung HF, et al. **Semin Nucl Med** 1990 Oct;20(4):290–302 (129 ref.)

NUCLEAR MEDICINE DEPARTMENT, HOSPITAL

STANDARDS

Quality assurance in a nuclear medicine department. Lamki LM, et al. **Radiology** 1990 Dec;177(3):609–14 (11 ref.)

NUCLEAR MEMBRANE

Nuclear pore complex: structure, function, and regulation. Miller M, et al. **Physiol Rev** 1991 Jul;71(3):909–49 (561 ref.)

METABOLISM

Transport across the nuclear envelope: enigmas and explanations. Dingwall C. **Bioessays** 1991 May;13(5):213–8 (45 ref.)

Nuclear lamin proteins: domains required for nuclear targeting, assembly, and cell–cycle–regulated dynamics. McKeon F. **Curr Opin Cell Biol** 1991 Feb;3(1):82–6 (26 ref.)

Active transport of proteins into the nucleus. Wagner P, et al. **FEBS Lett** 1990 Nov 26;275(1–2):1–5 (72 ref.)

Nuclear envelope dynamics and nucleocytoplasmic transport. Stewart M, et al. **J Cell Sci Suppl** 1991;14:79–82 (20 ref.)

ULTRASTRUCTURE

EM visualization of nucleocytoplasmic transport processes. Feldherr CM, et al. **Electron Microsc Rev** 1990;3(1):73–86 (68 ref.)

Interaction of intermediate filaments with nuclear lamina and cell periphery. French SW, et al. **Electron Microsc Rev** 1989;2(1):17–51 (83 ref.)

NUCLEAR PHYSICS

METHODS

Use of nuclear physics methods in life sciences in the USSR. Kist AA. **Biol Trace Elem Res** 1990 Jul–Dec;26–27:661–70 (12 ref.)

NUCLEAR POLYHEDROSIS VIRUSES see **BACULOVIRIDAE**

NUCLEAR PORE see **NUCLEAR MEMBRANE**

NUCLEAR PROTEINS

ANALYSIS

Nuclear protein localization. Garcia–Bustos J, et al. **Biochim Biophys Acta** 1991 Mar 7;1071(1):83–101 (161 ref.)

Monoclonal antibodies to human tumor nucleolar antigens: probes for studying biological function and determining clinical significance. Freeman JW, et al. **Hum Antibodies Hybridomas** 1991 Jan;2(1):4–10 (36 ref.)

Evaluation of the nucleolar organizer region associated proteins in minor salivary gland tumors. van Heerden WF, et al. **J Oral Pathol Med** 1991 Jul;20(6):291–5 (19 ref.)

CHEMISTRY

Nucleoplasmin: the archetypal molecular chaperone. Dingwall C, et al. **Semin Cell Biol** 1990 Feb;1(1):11–7 (42 ref.)

DIAGNOSTIC USE

Ki–67 staining as a means to simplify analysis of tumor cell proliferation [editorial] Hitchcock CL. **Am J Clin Pathol** 1991 Oct;96(4):444–6 (20 ref.)

Ki–67 and other proliferation markers useful for immunohistological diagnostic and prognostic evaluations in human malignancies. Gerdes J. **Semin Cancer Biol** 1990 Jun;1(3):199–206 (51 ref.)

GENETICS

Cell cycle–related proteins and flow cytometry. Danova M, et al. **Haematologica** 1990 May–Jun;75(3):252–64 (157 ref.)

Growth regulation of the PCNA gene. Baserga R. **J Cell Sci** 1991 Apr;98 (Pt 4):433–6 (46 ref.)

METABOLISM

How proteins enter the nucleus. Silver PA. **Cell** 1991 Feb 8;64(3):489–97 (79 ref.)

Active transport of proteins into the nucleus. Wagner P, et al. **FEBS Lett** 1990 Nov 26;275(1–2):1–5 (72 ref.)

Nuclear RNA–binding proteins. Keene JD, et al. **Prog Nucleic Acid Res Mol Biol** 1991;41:179–202 (100 ref.)

PHYSIOLOGY

CCAAT–enhancer binding protein: a component of a differentiation switch. Umek RM, et al. **Science** 1991 Jan 18;251(4991):288–92 (37 ref.)

NUCLEAR RADIOLOGY see **NUCLEAR MEDICINE**

NUCLEAR REACTORS

Ionising radiations from nuclear establishments and childhood leukaemias––an enigma. Evans HJ. **Bioessays** 1990 Nov;12(11):541–9 (74 ref.)

Role of bone marrow transplantation as treatment for victims of nuclear accidents. Champlin R. **Cancer Treat Res** 1990; 50:299–306 (44 ref.)

Leukaemia and paternal radiation exposure. Watson GM. **Med J Aust** 1991 Apr 1;154(7):483–7 (23 ref.)

[The planning of medical support for operations to eliminate the aftereffects of large–scale radiation accidents (a review of the literature] Lisovskiĭ IV, et al. **Voen Med Zh** 1991 Jan;(1):24–7 (16 ref.) **(Rus)**

INSTRUMENTATION

Monte Carlo methods of neutron beam design for neutron capture therapy at the MIT Research Reactor (MITR–II). Clement SD, et al. **Basic Life Sci** 1990;54:51–69 (20 ref.)

NUCLEAR RNA see **RNA, NUCLEAR**

NUCLEAR TRANS–ACTING FACTOR see **TRANS–ACTIVATORS**

NUCLEAR WARFARE

see related
RADIOACTIVE FALLOUT

Detriment in humans after irradiation in utero. Mole RH. **Int J Radiat Biol** 1991 Sep;60(3):561–4 (73 ref.)

[Evaluation of cancer risk by ionizing radiation after dosimetry revision of Hiroshima and Nagasaki (see comments)] Breckow J. **Med Klin** 1991 Feb 15;86(2):92–8 (18 ref.) Comment in: Med Klin 1991 Feb 15;86(2):109–11. **(Ger)**

NUCLEAR WASTE see **RADIOACTIVE WASTE**

NUCLEASES, RNA see **RIBONUCLEASES**

NUCLEIC ACID CONFORMATION

Construction of three–dimensional stick figures from branched DNA. Seeman NC. **DNA Cell Biol** 1991 Sep; 10(7):475–86 (63 ref.)

Fluctuating bond model of DNA gel electrophoresis. Schönherr G, et al. **Electrophoresis** 1991 Jun;12(6):432–5 (25 ref.)

Four–stranded nucleic acid structures 25 years later: from guanosine gels to telomer DNA. Guschlbauer W, et al. **J Biomol Struct Dyn** 1990 Dec;8(3):491–511 (88 ref.)

An overview of the secondary structure of the V4 region of eukaryotic small–subunit ribosomal RNA. Nickrent DL, et al. **Nucleic Acids Res** 1991 Jan 25;19(2):227–35 (35 ref.)

A view of interphase chromosomes. Manuelidis L. **Science** 1990 Dec 14;250(4987):1533–40 (72 ref.)

[Enhancers, DNA loops and stable complexes: a mechanism of transcription activation] Studitskiĭ VM, et al. **Mol Biol (Mosk)** 1990 Jul–Aug;24(4):909–19 (70 ref.) (Eng. Abstr.) **(Rus)**

NUCLEIC ACID HETERODUPLEXES

[Basic factors in the stability of RNA–duplexes. The contribution of dehydration] Shvarts VS, et al. **Mol Biol (Mosk)** 1990 Nov–Dec;24(6):1484–94 (17 ref.) (Eng. Abstr.) **(Rus)**

NUCLEIC ACID HYBRIDIZATION

see related
BLOTTING, SOUTHERN

What's old and new in molecular phylogenetics. Marks J. **Am J Phys Anthropol** 1991 Jun;85(2):207–19 (65 ref.)

Europium chelate labels in time–resolved fluorescence immunoassays and DNA hybridization assays. Diamandis EP, et al. **Anal Chem** 1990 Nov 15;62(22):1149A–1157A (34 ref.)

Environmental application of nucleic acid hybridization. Sayler GS, et al. **Annu Rev Microbiol** 1990;44:625–48 (124 ref.)

Saccharomyces cerevisiae proteins involved in hybrid DNA formation in vitro. Heyer WD, et al. **Biochimie** 1991 Feb–Mar;73(2–3):269–76 (45 ref.)

In–situ hybridization for the diagnosis and typing of human papillomavirus. Amortegui AJ, et al. **Clin Biochem** 1990 Aug;23(4):301–6 (24 ref.)

Nucleic acid hybridization in viral diagnosis. Landry ML. **Clin Biochem** 1990 Aug;23(4):267–77 (86 ref.)

Overview and principles of in–situ hybridization. Nakamura RM. **Clin Biochem** 1990 Aug;23(4):255–9 (19 ref.)

Current concepts in quantitative molecular hybridization. Thompson JD, et al. **Clin Biochem** 1990 Aug;23(4):261–6 (28 ref.)

Analytical methodology for immunoassays and DNA hybridization assays––current status and selected systems––critical review. Diamandis EP. **Clin Chim Acta** 1990 Dec 17;194(1):19–50 (147 ref.)

Nucleic acid detection systems for enteroviruses. Rotbart HA. **Clin Microbiol Rev** 1991 Apr;4(2):156–68 (115 ref.)

Localization and regulation of mRNAs in the nervous tissue as revealed by in situ hybridization. Kawata M, et al. **Comp Biochem Physiol [C]** 1991;98(1):41–50 (117 ref.)

Morphological studies using in situ hybridisation. Terenghi G, et al. **Eur J Cancer** 1991;27(6):785–9 (53 ref.)

The Heinrich Warner Prize 1989: the use of differential hybridization analysis to identify markers for diagnosis of urogenital cancer. Schalken JA. **Eur Urol** 1990;18 Suppl 2:52–7 (33 ref.)

Analysis of genes and chromosomes by nonisotopic in situ hybridization. Lichter P, et al. **Genet Anal Tech Appl** 1991 Feb;8(1):24–35 (165 ref.)

Localizing DNA and RNA within nuclei and chromosomes by fluorescence in situ hybridization. McNeil JA, et al. **Genet Anal Tech Appl** 1991 Apr;8(2):41–58 (94 ref.)

Clinical applications of fluorescence in situ hybridization. Tkachuk DC, et al. **Genet Anal Tech Appl** 1991 Apr; 8(2):67–74 (50 ref.)

Diagnostic applications of DNA probes. Pfaller MA. **Infect Control Hosp Epidemiol** 1991 Feb;12(2):103–10 (58 ref.)

Evaluation and interpretation of data obtained with immunoassays and DNA–DNA hybridization techniques. Notermans S, et al. **Int J Food Microbiol** 1990 Aug; 11(1):35–49 (79 ref.)

Applications of in situ hybridization. Niedobitek G, et al. **Int Rev Exp Pathol** 1991;32:1–56 (374 ref.)

In situ hybridisation in perspective. Warford A, et al. **J Clin Pathol** 1991 Mar;44(3):177–81 (91 ref.)

Detection of viruses using hybridization techniques. Harrison TJ. **J Hosp Infect** 1991 Jun;18 Suppl A:159–63 (8 ref.)

Recent progress in the use of the technique of non–radioactive in situ hybridization histochemistry: new tools for molecular neurobiology. Kiyama H, et al. **Neurosci Res** 1990 Sep;9(1):1–21 (60 ref.)

In situ hybridization using single–stranded antisense RNA probes in oral pathology research. Heikinheimo K, et al. **Proc Finn Dent Soc** 1991;87(2):245–57 (42 ref.)

Detection of Epstein–Barr virus with molecular hybridization techniques. Pagano JS. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S123–8 (17 ref.)

Fluorescence in situ hybridization: applications in cytogenetics and gene mapping. Trask BJ. **Trends Genet** 1991 May;7(5):149–54 (43 ref.)

The magic and challenge of DNA probes as diagnostic reagents. Gillespie D. **Vet Microbiol** 1990 Sep; 24(3–4):217–33 (27 ref.)

[Application of nucleic acid hybridization technique in pathology] Ding L. **Chung–hua Ping Li Hsueh Tsa Chih** 1991 Mar;20(1):1–3 (15 ref.) **(Chi)**

[Advances in situ hybridization techniques] Ren JY. **Chung–hua Ping Li Hsueh Tsa Chih** 1991 Mar;20(1):67–70 (20 ref.) **(Chi)**

[Cell hybridization (in situ hybridization). Methods and application, particularly to human pathology of viral origin] Fournier JG. **Ann Pathol** 1991;11(2):80–91 (94 ref.) **(Fre)**

[In situ hybridization on tissue section: a new method for studying the amacrine cells of the retina and the centers of the visual system] Abitbol M, et al. **Ophtalmologie** 1990 Jan–Feb;4(1):43–7 (25 ref.) (Eng. Abstr.) **(Fre)**

[The diagnosis of genital papillomavirus infections using molecular hybridization] Drouet E, et al. **Rev Fr Gynecol Obstet** 1990 Oct;85(10):564–8 (10 ref.) (Eng. Abstr.) **(Fre)**

[Oligo– and polynucleotide probes. A molecular hybridization method] Badashkeeva AG, et al. **Mol Biol (Mosk)** 1991 Mar–Apr;25(2):309–24 (79 ref.) (Eng. Abstr.) **(Rus)**

[Nucleic acid hybridization: its principles and applications] García M. **Bol Of Sanit Panam** 1990 Sep;109(3):244–57 (56 ref.) (Eng. Abstr.) **(Spa)**

[Nucleic acid hybridization techniques] Cano R, et al. **Enferm Infecc Microbiol Clin** 1989 Mar;7(3):151–9 (26 ref.) **(Spa)**

NUCLEIC ACID PROBES

see related
NUCLEIC ACID HYBRIDIZATION

[Application of nucleic acid hybridization technique in pathology] Ding L. **Chung–hua Ping Li Hsueh Tsa Chih** 1991 Mar;20(1):1–3 (15 ref.) **(Chi)**

[Psoralens as probes in the study of the structure and function of nucleic acids] Czyż M. **Postepy Biochem** 1989; 35(4):591–608 (153 ref.) **(Pol)**

ANALYSIS

[Nucleic acid hybridization techniques] Cano R, et al. **Enferm Infecc Microbiol Clin** 1989 Mar;7(3):151–9 (26 ref.) **(Spa)**

DIAGNOSTIC USE

Applications of nucleic acid probes in veterinary infectious diseases. Paul PS. **Vet Microbiol** 1990 Sep;24(3–4):409–17

(61 ref.)

NUCLEIC ACID REGULATORY SEQUENCES see REGULATORY SEQUENCES, NUCLEIC ACID

NUCLEIC ACID REPETITIVE SEQUENCES see REPETITIVE SEQUENCES, NUCLEIC ACID

NUCLEIC ACIDS

ANALYSIS

Methodical and ethical aspects of nucleic acid diagnostics. A review. Kessler C. **Arzneimittelforschung** 1990 Aug; 40(8):952–63 (199 ref.)

CHEMISTRY

A brief guide to nucleic acid chemistry. Miller PS. **Bioconjug Chem** 1990 May–Jun;1(3):187–91 (33 ref.)

METABOLISM

Detection of site-specific binding and co-binding of ligands to macromolecules using 19F NMR. Jenkins BG. **Life Sci** 1991;48(13):1227–40 (62 ref.)

NUCLEOLAR ORGANIZER see NUCLEOLUS ORGANIZER REGION

NUCLEOLAR PROTEINS see NUCLEAR PROTEINS

NUCLEOLUS ORGANIZER REGION

CHEMISTRY

Evaluation of the nucleolar organizer region associated proteins in minor salivary gland tumors. van Heerden WF, et al. **J Oral Pathol Med** 1991 Jul;20(6):291–5 (19 ref.)

METABOLISM

rRNA synthesis in the nucleolus. Reeder RH. **Trends Genet** 1990 Dec;6(12):390–5 (52 ref.)

ULTRASTRUCTURE

Acrocentric interconnections and NOR variants in human lymphocytes. Kurvink K, et al. **Cancer Genet Cytogenet** 1990 Dec;50(2):207–26 (78 ref.)

Interphase nucleolar organizer regions in cancer cells. Derenzini M, et al. **Int Rev Exp Pathol** 1991;32:149–92 (144 ref.)

[Indicators of cell proliferation in malignant lymphoma with special reference to the nucleolus organizer region] Kroker DZh. **Gematol Transfuziol** 1990 Nov;35(11):28–34 (83 ref.) **(Rus)**

NUCLEOLYSIS, INTERVERTEBRAL DISK see INTERVERTEBRAL DISK CHEMOLYSIS

NUCLEOSIDASES

GENETICS

DNA repair in mammalian tissues and cells. Krokan HE, et al. **Basic Life Sci** 1990;53:175–90 (84 ref.)

METABOLISM

DNA repair and the molecular mechanisms of Bloom's syndrome. Sirover MA, et al. **Crit Rev Oncog** 1990; 2(1):19–33 (111 ref.)

NUCLEOSIDES

CHEMICAL SYNTHESIS

Acyclic nucleoside and nucleotide analogues: a new class of antivirals. Holy A. **Farmaco** 1991 Jan;46(1 Suppl):141–6 (24 ref.)

METABOLISM

Transport of amino acids and nucleosides in the placenta. Yudilevich DL, et al. **Biochem Soc Trans** 1990 Dec; 18(6):1136–40 (30 ref.)

PHARMACOLOGY

Pharmacologic studies of nucleosides active against the human immunodeficiency virus. Sommadossi JP, et al. **Ann N Y Acad Sci** 1990;616:356–66 (33 ref.)

Correlation of molecular conformation and activity of reverse transcriptase inhibitors. Van Roey P, et al. **Ann N Y Acad Sci** 1990;616:29–40 (30 ref.)

NUCLEOSOMES

METABOLISM

Structural changes in nucleosomes during transcription: strip, split or flip? Thoma F. **Trends Genet** 1991 Jun;7(6):175–7 (22 ref.)

PHYSIOLOGY

Histone function in transcription. Grunstein M. **Annu Rev Cell Biol** 1990;6:643–78 (212 ref.)

Nucleosome positioning: occurrence, mechanisms, and functional consequences. Simpson RT. **Prog Nucleic Acid Res Mol Biol** 1991;40:143–84 (125 ref.)

Nucleosomes: regulators of transcription. Grunstein M. **Trends Genet** 1990 Dec;6(12):395–400 (35 ref.)

5'-NUCLEOTIDASE

METABOLISM

[Effect of detergents on the solubilization of 5'-nucleotidase from the thyroid gland] Piotrowska E, et al. **Rocz Akad Med Bialymst** 1988–89;33–34:11–21 (32 ref.) (Eng. Abstr.) **(Pol)**

NUCLEOTIDASES

METABOLISM

A comparison of ectonucleotidase activities on vascular endothelial and smooth muscle cells. Slakey LL, et al. **Ann N Y Acad Sci** 1990;603:366–78; discussion 378–9 (18 ref.)

Ultrastructural distribution of NADPase within the Golgi apparatus and lysosomes of mammalian cells. Smith CE, et al. **Prog Histochem Cytochem** 1990;21(3):1–120 (166 ref.)

NUCLEOTIDE SEQUENCE see BASE SEQUENCE

NUCLEOTIDES

Do infants need nucleotide supplemented formula for optimal nutrition? [editorial] Quan R, et al. **J Pediatr Gastroenterol Nutr** 1990 Nov;11(4):429–34 (57 ref.)

ANALYSIS

Self-association of nucleotides. Effects of protonation and metal ion coordination. Sigel H. **Biol Trace Elem Res** 1989 Jul–Sep;21:49–59 (28 ref.)

CHEMICAL SYNTHESIS

Acyclic nucleoside and nucleotide analogues: a new class of antivirals. Holy A. **Farmaco** 1991 Jan;46(1 Suppl):141–6 (24 ref.)

CHEMISTRY

The numerous modified nucleotides in eukaryotic ribosomal RNA. Maden BE. **Prog Nucleic Acid Res Mol Biol** 1990; 39:241–303 (90 ref.)

METABOLISM

Affinity labeling of nucleotide binding sites of enzymes and platelets. Colman RF. **Adv Exp Med Biol** 1990;281:257–63 (13 ref.)

Nucleotide chloramines and neutrophil-mediated cytotoxicity. Bernofsky C. **FASEB J** 1991 Mar 1; 5(3):295–300 (90 ref.)

PHARMACOLOGY

Biochemical pharmacology of acyclic nucleotide analogues. Bronson JJ, et al. **Ann N Y Acad Sci** 1990;616:398–407 (24 ref.)

Characterization of the nucleotide-modulated interaction of myth actin by n.m.r. spectroscopy. Levine BA, et al. **Biochem Soc Trans** 1991 Apr;19(2):423–5 (9 ref.)

NUCLEOTIDES, CYCLIC

METABOLISM

Cyclic nucleotides and mammalian sperm capacitation. Fraser LR, et al. **J Reprod Fertil Suppl** 1990;42:9–21 (94 ref.)

PHYSIOLOGY

The regulation of ciliary motility in Paramecium by Ca2+ and cyclic nucleotides. Bonini NM, et al. **Adv Second Messenger Phosphoprotein Res** 1991;23:227–72 (188 ref.)

NUCLEUS BASALIS, OLIVARY see OLIVARY NUCLEUS

NUDE MICE see MICE, NUDE

NUDE RATS see RATS, NUDE

NULLIPARITY see PARITY

NURSE ADMINISTRATORS

STANDARDS

Nursing administration research, Part One: Pluralities of persons. Schultz PR, et al. **Annu Rev Nurs Res** 1990; 8:133–58 (118 ref.)

NURSE CLINICIANS

Relaxation training: a nursing intervention for substance abusers. Dodge VH. **Arch Psychiatr Nurs** 1991 Apr; 5(2):99–104 (26 ref.)

NURSE MIDWIVES

Breast disease. The role of the nurse-midwife. Brucker MC, et al. **J Nurse Midwifery** 1991 Jan–Feb;36(1):63–73 (34 ref.)

Antepartum fetal assessment. A nurse-midwifery perspective. Gegor CL, et al. **J Nurse Midwifery** 1991 May–Jun; 36(3):153–67 (40 ref.)

Premenstrual syndrome. Current concepts in diagnosis and management. Hsia LS, et al. **J Nurse Midwifery** 1990 Nov–Dec;35(6):351–7 (36 ref.)

The perimenopausal period. Implications for nurse-midwifery practice. Scharbo-DeHaan M, et al. **J Nurse Midwifery** 1991 Jan–Feb;36(1):9–16 (25 ref.)

HISTORY

Nurse-midwifery: the window is wide open [see comments] Rooks JP. **Am J Nurs** 1990 Dec;90(12):30–6 (48 ref.) Comment in: Am J Nurs 1991 Mar;91(3):17, 22.

METHODS

Management of retained placenta using intraumbilical oxytocin injection. Wingeier R, et al. **J Nurse Midwifery** 1991 Jul–Aug;36(4):240–4 (12 ref.)

NURSE–PATIENT RELATIONS

Interpersonal communication between nurses and patients. Garvin BJ, et al. **Annu Rev Nurs Res** 1990;8:213–34 (60 ref.)

A comparison of the works of Peplau and Orlando. Forchuk C. **Arch Psychiatr Nurs** 1991 Feb;5(1):38–45 (54 ref.)

Empathy: a review of the literature with suggestions for an alternative research strategy. Gould D. **J Adv Nurs** 1990 Oct;15(10):1167–74 (91 ref.)

How therapeutic is therapeutic holding? Wong SE, et al. **J Psychosoc Nurs Ment Health Serv** 1990 Nov;28(11):24–8 (17 ref.)

NURSE PRACTITIONERS

Male infertility: a challenge for primary health care providers. Loriaux TC. **Nurse Pract** 1991 Mar;16(3):38, 41–2, 45 (13 ref.)

METHODS

Health promotion and disease prevention for the international traveler. Alder MB, et al. **Nurse Pract** 1991 May;16(5):10–4, 16–8, 25 (17 ref.)

Tricyclic antidepressants and children. Newcomb P. **Nurse Pract** 1991 May;16(5):26–8, 30, 33 (21 ref.)

Assessment and management of gouty arthritis. Yeomans AC. **Nurse Pract** 1991 Apr;16(4):18, 21, 25–6 (19 ref.)

NURSES

Nursing research utilization techniques. Edwards-Beckett J. **J Nurs Adm** 1990 Nov;20(11):25–30 (44 ref.)

Nurse, are you a healer? Oliver NR. **Nurs Forum** 1990; 25(2):11–4 (26 ref.)

The role of the nurse in skin cancer prevention, screening, and early detection. Berwick M, et al. **Semin Oncol Nurs** 1991 Feb;7(1):64–71 (39 ref.)

Family protective thinking about cardiac events: nursing interventions to promote maintenance of family health behaviors. Wastlick LA, et al. **Wis Med J** 1991 Jul; 90(7):438–40 (11 ref.)

PSYCHOLOGY

Empathy: a review of the literature with suggestions for an alternative research strategy. Gould D. **J Adv Nurs** 1990 Oct;15(10):1167–74 (91 ref.)

A critical review of human immunodeficiency virus infection—and acquired immunodeficiency syndrome-related research: the knowledge, attitudes, and practice of nurses. Swanson JM, et al. **J Prof Nurs** 1990 Nov–Dec;6(6):341–55 (48 ref.)

NURSING

Overview of work-related hazards in nursing: health and safety issues. Rogers B, et al. **Heart Lung** 1991 Sep;20(5 Pt 1):486–97 (105 ref.)

NURSING ADMINISTRATION RESEARCH

ORGANIZATION & ADMINISTRATION

Nursing administration research, Part One: Pluralities of persons. Schultz PR, et al. **Annu Rev Nurs Res** 1990; 8:133–58 (118 ref.)

NURSING ASSESSMENT

Assessing acquired ocular diseases. Boyd-Monk H.

Nurs Clin North Am 1990 Dec;25(4):811–22 (3 ref.)
Pulmonary and acid–base assessment. Brenner M, et al. **Nurs Clin North Am** 1990 Dec;25(4):761–70 (14 ref.)
The older adult. A comparative assessment. Kain CD, et al. **Nurs Clin North Am** 1990 Dec;25(4):833–48 (21 ref.)
Assessment of patient laboratory data in the acutely ill. Kee JL, et al. **Nurs Clin North Am** 1990 Dec;25(4):751–9 (11 ref.)
Eating disorders. Highlights of nursing assessment and therapeutics. Love CC, et al. **Nurs Clin North Am** 1991 Sep;26(3):677–97 (62 ref.)
Health assessment of the early adolescent. Challenges and clinical issues. Manning ML. **Nurs Clin North Am** 1990 Dec;25(4):823–31 (38 ref.)
Advanced assessment of the abdomen and gastrointestinal problems. O'Toole MT. **Nurs Clin North Am** 1990 Dec; 25(4):771–6 (8 ref.)
Neurologic assessment. Sullivan J. **Nurs Clin North Am** 1990 Dec;25(4):795–804 (3 ref.)

METHODS

Development of a staging system for chemotherapy–induced stomatitis. Western Consortium for Cancer Nursing Research. **Cancer Nurs** 1991 Feb;14(1):6–12 (30 ref.)
Shunt lengthening: a descriptive review. Greif L, et al. **J Neurosci Nurs** 1991 Apr;23(2):120–4 (18 ref.)
Unilateral neglect: mechanisms and nursing care. Kalbach LR. **J Neurosci Nurs** 1991 Apr;23(2):125–9 (18 ref.)
Pain perception in the neonate: implications for circumcision. Myron AV, et al. **J Prof Nurs** 1991 May–Jun;7(3):188–93; discussion 194–5 (37 ref.)
Eliciting assessment data from the patient who is difficult to interview. Braverman BG. **Nurs Clin North Am** 1990 Dec;25(4):743–50 (17 ref.)

NURSING CARE

Caring versus empowerment: considerations for nursing practice. Malin N, et al. **J Adv Nurs** 1991 Jun;16(6):657–62 (27 ref.)
Nursing perspectives in the management of infants and children requiring thoracic surgery. Telfer H, et al. **Prog Pediatr Surg** 1991;27:30–52 (54 ref.)

METHODS

Family–focused primary prevention of adolescent pregnancy [see comments] Raines TG. **Birth Defects** 1991;27(1):87–103 (47 ref.) Comment in: Birth Defects 1991;27(1):104–13.
Perspectives on the interpretation of continuous mixed venous oxygen saturation. Enger EL, et al. **Heart Lung** 1990 Sep;19(5 Pt 2):578–80 (10 ref.)

ORGANIZATION & ADMINISTRATION

Community–based secondary prevention with the pregnant adolescent [see comments] Auterman ME. **Birth Defects** 1991;27(1):206–27 (85 ref.) Comment in: Birth Defects 1991;27(1):228–34.
Community–based tertiary prevention with the adolescent parent and child [see comments] Jones LC. **Birth Defects** 1991;27(1):235–49 (42 ref.) Comment in: Birth Defects 1991;27(1):250–64.
Community–based primary prevention of adolescent pregnancy [see comments] Norr KF. **Birth Defects** 1991; 27(1):175–99 (57 ref.) Comment in: Birth Defects 1991;27(1):200–5.
Tertiary prevention with adolescent mothers: rehabilitation after the first pregnancy [see comments] O'Sullivan AL. **Birth Defects** 1991;27(1):57–71 (21 ref.) Comment in: Birth Defects 1991;27(1):72–82.
Family–focused tertiary prevention with the adolescent mother and her child [see comments] Rich OJ. **Birth Defects** 1991;27(1):137–54 (33 ref.) Comment in: Birth Defects 1991;27(1):155–68.
Family–focused secondary prevention with the pregnant adolescent and adolescent father [see comments] Wilkerson NN. **Birth Defects** 1991;27(1):114–30 (70 ref.) Comment in: Birth Defects 1991;27(1):131–6.

PSYCHOLOGY

Categorization of nursing diagnoses [letter] Kuhn R. **Heart Lung** 1991 Jul;20(4):425–6 (0 ref.)
Nursing responsibility for the placebo effect. Connelly RJ. **J Med Philos** 1991 Jun;16(3):325–41 (50 ref.)
Preparing the patient for bone marrow transplantation: nursing care issues. Holmes W. **Yale J Biol Med** 1990 Sep–Oct;63(5):487–94 (55 ref.)

STANDARDS

A critique of community–based tertiary prevention with the adolescent parent and child [comment] Flick LH. **Birth Defects** 1991;27(1):250–64 (43 ref.) Comment on: Birth Defects 1991;27(1):235–49.
A critique of family–focused tertiary prevention with the adolescent mother and her child [comment] Smith L. **Birth Defects** 1991;27(1):155–68 (73 ref.) Comment on: Birth Defects 1991;27(1):137–54.
Stigma, AIDS and quality of nursing care: state of the science. Siminoff LA, et al. **J Adv Nurs** 1991 Mar; 16(3):262–9 (70 ref.)
Support for the adolescent father. Taucher P. **Nurs Forum** 1991;26(1):22–6 (25 ref.)

NURSING CARE PLANS see **PATIENT CARE PLANNING**

NURSING DIAGNOSIS

CLASSIFICATION

Categorization of nursing diagnoses [letter] Kuhn R. **Heart Lung** 1991 Jul;20(4):425–6 (0 ref.)

NURSING EDUCATION see **EDUCATION, NURSING**

NURSING EDUCATION, BACCALAUREATE see **EDUCATION, NURSING, BACCALAUREATE**

NURSING EDUCATION, CONTINUING see **EDUCATION, NURSING, CONTINUING**

NURSING EDUCATION, GRADUATE see **EDUCATION, NURSING, GRADUATE**

NURSING EDUCATION RESEARCH

Education for critical care nursing. Kinney MR. **Annu Rev Nurs Res** 1990;8:161–76 (26 ref.)

TRENDS

Nursing research education. Jamann–Riley JS. **Annu Rev Nurs Res** 1990;8:177–91 (45 ref.)

NURSING ETHICS see **ETHICS, NURSING**

NURSING EVALUATION RESEARCH

TRENDS

Ethical responsibilities in nursing: research findings and issues. Cassidy VR. **J Prof Nurs** 1991 Mar–Apr;7(2):112–8 (31 ref.)

NURSING, HOME see **HOME NURSING**

NURSING HOMES

Understanding placement of the demented elderly. Bergman H. **Adv Exp Med Biol** 1990;282:103–12 (19 ref.)
Explicit criteria for determining inappropriate medication use in nursing home residents. Beers MH, et al. **Arch Intern Med** 1991 Sep;151(9):1825–32 (93 ref.)
Acute lead poisoning in nursing home and psychiatric patients from the ingestion of lead–based ceramic glazes. Vance MV, et al. **Arch Intern Med** 1990 Oct; 150(10):2085–92 (36 ref.)
Nature, nurture, nutrition: interdisciplinary programs to address the prevention of malnutrition and dehydration. Musson ND, et al. **Dysphagia** 1990;5(2):96–101 (14 ref.)
Minimizing urinary incontinence in the nursing home. Breitenbucher RB. **Geriatrics** 1990 Dec;45(12):32–40 (22 ref.)
Methicillin–resistant Staphylococcus aureus in extended–care facilities: experiences in a Veterans' Affairs nursing home and a review of the literature. Strausbaugh LJ, et al. **Infect Control Hosp Epidemiol** 1991 Jan;12(1):36–45 (33 ref.)
Parenteral antibiotic therapy for patients in nursing homes. Mulligan T. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 2:S180–3 (23 ref.)

LEGISLATION & JURISPRUDENCE

Neuroleptic drug use in the nursing home: the impact of OBRA. Burke WJ. **Am Fam Physician** 1991 Jun; 43(6):2125–30 (12 ref.)

NURSING METHODOLOGY RESEARCH

METHODS

Qualitative research methodologies: an overview. Habermann–Little B. **J Neurosci Nurs** 1991 Jun; 23(3):188–90 (16 ref.)

NURSING MODELS see **MODELS, NURSING**

NURSING, ONCOLOGIC see **ONCOLOGIC NURSING**

NURSING PROGRAM EVALUATION see **NURSING EVALUATION RESEARCH**

NURSING RESEARCH

Home health care. Barkauskas VH. **Annu Rev Nurs Res** 1990; 8:103–32 (90 ref.)
The effects of stress during the brain growth spurt. Burns EM. **Annu Rev Nurs Res** 1990;8:57–82 (92 ref.)
Prevention of pressure sores. Carlson CE, et al. **Annu Rev Nurs Res** 1990;8:35–56 (76 ref.)
Interpersonal communication between nurses and patients. Garvin BJ, et al. **Annu Rev Nurs Res** 1990;8:213–34 (60 ref.)
Smoking cessation: research on relapse crises. O'Connell KA. **Annu Rev Nurs Res** 1990;8:83–100 (48 ref.)
Burn nursing Delphi study. Setting research priorities. Marvin JA, et al. **J Burn Care Rehabil** 1991 Mar–Apr; 12(2):190–7 (11 ref.)
Conceptual issues in nursing ethics research. Penticuff JH. **J Med Philos** 1991 Jun;16(3):235–58 (110 ref.)
Nursing research utilization techniques. Edwards–Beckett J. **J Nurs Adm** 1990 Nov;20(11):25–30 (44 ref.)

CLASSIFICATION

Cardiovascular nursing research. Cowan MJ. **Annu Rev Nurs Res** 1990;8:3–33 (137 ref.)

STANDARDS

Acquired immunodeficiency syndrome. Turner JG. **Annu Rev Nurs Res** 1990;8:195–210 (19 ref.)
The concept of grief: a foundation for nursing research and practice. Cowles KV, et al. **Res Nurs Health** 1991 Apr; 14(2):119–27 (79 ref.)
Focus on psychometrics. Estimating construct validity. Goodwin LD, et al. **Res Nurs Health** 1991 Jun;14(3):235–43 (56 ref.)

NURSING RESEARCH, ADMINISTRATIVE see **NURSING ADMINISTRATION RESEARCH**

NURSING RESEARCH, CLINICAL see **CLINICAL NURSING RESEARCH**

NURSING RESEARCH, EDUCATIONAL see **NURSING EDUCATION RESEARCH**

NURSING SERVICE, HOSPITAL

STANDARDS

Quality management in nursing. Batchelor GJ, et al. **J Soc Health Syst** 1989 May;1(1):63–8 (1 ref.)

NURSING SERVICES

STANDARDS

The utilization of research findings in clinical nursing practice. Bircumshaw D. **J Adv Nurs** 1990 Nov; 15(11):1272–80 (39 ref.)
Measuring the quality of nursing care: a consideration of different approaches. Redfern SJ, et al. **J Adv Nurs** 1990 Nov;15(11):1260–71 (68 ref.)

NURSING STAFF

PSYCHOLOGY

Stigma, AIDS and quality of nursing care: state of the science. Siminoff LA, et al. **J Adv Nurs** 1991 Mar; 16(3):262–9 (70 ref.)

STANDARDS

Skill mix in nursing: a selective review of the literature. Gibbs I, et al. **J Adv Nurs** 1991 Feb;16(2):242–9 (39 ref.)

NURSING STAFF, HOSPITAL

Precautions prevent spread of Creutzfeldt–Jakob disease. Mocsny N. **J Neurosci Nurs** 1991 Apr;23(2):116–9 (30 ref.)

PSYCHOLOGY

Care of AIDS patients as a source of stress to nursing staff. Klonoff EA, et al. **AIDS Educ Prev** 1990 Winter; 2(4):338–48 (13 ref.)

NURSING THEORY

see related
MODELS, NURSING

Concepts of caring and caring as a concept. Morse JM, et al. **ANS** 1990 Sep;13(1):1–14 (69 ref.)
An analysis of theory–research linkages in published gerontologic nursing studies, 1983–1989. Murphy E, et al. **ANS Adv Nurs Sci** 1991 Jun;13(4):1–13 (26 ref.)
A comparison of the works of Peplau and Orlando. Forchuk C. **Arch Psychiatr Nurs** 1991 Feb;5(1):38–45 (54 ref.)
Power: a concept analysis. Hawks JH. **J Adv Nurs** 1991 Jun; 16(6):754–62 (61 ref.)

NUTCRACKER ESOPHAGUS see **ESOPHAGEAL MOTILITY DISORDERS**

NUTRITION

see related
DIET
FOOD

Dietary fiber: a glance into the future. Kritchevsky D. **Adv Exp Med Biol** 1990;270:1–5 (44 ref.)
Food safety assurance: the European perspective. Quattrucci E, et al. **Adv Exp Med Biol** 1991;289:1–9 (7 ref.)
Dietary fiber analysis and nutrition labelling. Schweizer TF. **Adv Exp Med Biol** 1990;270:265–72 (35 ref.)

Nutritional and hemodynamic factors influencing adenopituitary function in man. Vigaš M, et al. **Adv Exp Med Biol** 1990;274:407-26 (34 ref.)

Nutritional aspects of dementia, especially Alzheimer's disease. Bucht G, et al. **Age Ageing** 1990 Jul;19(4):S32-6 (58 ref.)

The relation between immunology, nutrition and disease in elderly people. Chandra RK. **Age Ageing** 1990 Jul; 19(4):S25-31 (27 ref.)

Physiology of ageing: nutritional aspects. Masoro EJ. **Age Ageing** 1990 Jul;19(4):S5-9 (20 ref.)

Trans-cultural aspects of nutrition in old age. Wahlqvist ML, et al. **Age Ageing** 1990 Jul;19(4):S43-52 (25 ref.)

Amino acids and proteins in relation to the nutrition of elderly people. Young VR. **Age Ageing** 1990 Jul; 19(4):S10-24 (94 ref.)

Antioxidant nutrients and disease prevention: an overview. Diplock AT. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):189S-193S (32 ref.)

1990 Atwater lecture. The science and the practice of nutrition: reflections and directions. Harper AE. **Am J Clin Nutr** 1991 Feb;53(2):413-20 (52 ref.)

Dietary patterns and cancer. Cottrell RC. **Ann Nutr Metab** 1991;35 Suppl 1:98-102 (6 ref.)

Long-term prospective studies: the only solution? Kromhout D, et al. **Ann Nutr Metab** 1991;35 Suppl 1:93-7 (10 ref.)

Trends in mortality in Britain: 1920-1986. Smith GD, et al. **Ann Nutr Metab** 1991;35 Suppl 1:53-63 (32 ref.)

Phosphorus magnetic resonance spectroscopy in nutritional research. Argov Z, et al. **Annu Rev Nutr** 1991;11:449-64 (31 ref.)

Nutritional consequences of vegetarianism. Dwyer JT. **Annu Rev Nutr** 1991;11:61-91 (135 ref.)

Nutrition and exercise: effects on adolescent health. Meredith CN, et al. **Annu Rev Public Health** 1991;12:309-33 (159 ref.)

Food, nutrients, health and disease: a historical perspective on the assessment and management of risks. McMichael AJ. **Aust J Public Health** 1991 Mar;15(1):7-13 (29 ref.)

Nutrition and public health. Kesteloot H. **Bibl Nutr Dieta** 1990;(46):45-52 (19 ref.)

A study on diet, nutrition and disease in the People's Republic of China. Part II. Campell TC. **Bol Asoc Med P R** 1990 Jul;82(7):316-8 (6 ref.)

Nutrition of the older athlete. Rock CL. **Clin Sports Med** 1991 Apr;10(2):445-57 (44 ref.)

Maintaining nutrition in CAPD patients. Walls J, et al. **Contrib Nephrol** 1990;85:79-83 (21 ref.)

Integrity of small data bases in computer analysis of dietary data. Windham CT, et al. **Crit Rev Food Sci Nutr** 1990; 29(3):149-66 (53 ref.)

Overview of geriatric nutrition. Curran J. **Dysphagia** 1990; 5(2):72-6 (18 ref.)

Ethical dilemmas in providing nutrition. Groher ME. **Dysphagia** 1990;5(2):102-9 (27 ref.)

Nature, nurture, nutrition: interdisciplinary programs to address the prevention of malnutrition and dehydration. Musson ND, et al. **Dysphagia** 1990;5(2):96-101 (14 ref.)

Dietary adjustments and nutritional therapy during treatment for oral-pharyngeal dysphagia. O'Gara JA. **Dysphagia** 1990;4(4):209-12 (13 ref.)

Environmental lead toxicity: nutrition as a component of intervention. Mahaffey KR. **Environ Health Perspect** 1990 Nov;89:75-8 (28 ref.)

Nutritional status and biological response. Friedman L. **Fed Proc** 1966 Jan-Feb;25(1):137-44 (66 ref.)

Health and nutritional benefits from lactic acid bacteria. Gilliland SE. **FEMS Microbiol Rev** 1990 Sep;7(1-2):175-88 (82 ref.)

Nutritional toxicology: basic principles and actual problems. Hathcock JN. **Food Addit Contam** 1990;7 Suppl 1:S12-8 (50 ref.)

Health promotion roles of the federal government and food industry in nutrition and blood pressure. Ernst ND. **Hypertension** 1991 Jan;17(1 Suppl):I196-200 (35 ref.)

Nutrition and hypertension prevention. Kotchen TA, et al. **Hypertension** 1991 Sep;18(3 Suppl):I115-20 (59 ref.)

Obesity--a state of reduced sympathetic activity and normal or high adrenal activity (the autonomic and adrenal hypothesis revisited). Bray GA. **Int J Obes** 1990;14 Suppl 3:77-91; discussion 91-2 (91 ref.)

Position of the American Dietetic Association: nutrition in foodservice establishments. **J Am Diet Assoc** 1991 Apr; 91(4):480-2 (18 ref.)

Child nutrition: objectives for the decade. Splett PL, et al. **J Am Diet Assoc** 1991 Jun;91(6):665-8 (17 ref.)

Expert opinions on nutrition issues in clinical dentistry. Palmer CA, et al. **J Dent Educ** 1990 Oct;54(10):612-8 (32 ref.)

Nutrition and cancer. Nixon DW. **J Med Assoc Ga** 1991 Mar; 80(3):141-3 (10 ref.)

Effects of nutrient intake on sympathoadrenal activity and thermogenic mechanisms. Astrup AV, et al. **J Neurosci Methods** 1990 Sep;34(1-3):187-92 (38 ref.)

Role of nutrition in the prevention of preeclampsia. Review of the literature. Newman V, et al. **J Nurse Midwifery** 1990 Sep-Oct;35(5):282-91 (71 ref.)

Obesity, a disorder of nutrient partitioning: the MONA LISA hypothesis. Bray GA. **J Nutr** 1991 Aug;121(8):1146-62 (144 ref.)

Progress in the development of a nutritional risk index. Wolinsky FD, et al. **J Nutr** 1990 Nov;120 Suppl 11:1549-53 (10 ref.)

Nutritional strategies in cystic fibrosis: current issues. MacDonald A, et al. **J R Soc Med** 1991;84 Suppl 18:28-35 (67 ref.)

Nutrition and translocation. Alexander JW. **JPEN J Parenter Enteral Nutr** 1990 Sep-Oct;14(5 Suppl):170S-174S (23 ref.)

Free radicals, arachidonic acid metabolites, and nutrition. Foegh ML, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep-Oct;14(5 Suppl):218S-222S (23 ref.)

The competitive marketplace for research funding. Kopple JD. **JPEN J Parenter Enteral Nutr** 1991 Jul-Aug; 15(4):363-70 (22 ref.)

Nutrition and alcoholic liver disease. Marsano L, et al. **JPEN J Parenter Enteral Nutr** 1991 May-Jun;15(3):337-44 (80 ref.)

Experimental approaches to nutrition and cancer: fats, calories, vitamins and minerals. Good RA, et al. **Med Oncol Tumor Pharmacother** 1990;7(2-3):183-92 (94 ref.)

Nutritional intervention studies in cancer prevention. Holm LE. **Med Oncol Tumor Pharmacother** 1990;7(2-3):209-15 (35 ref.)

Famine: a perspective for the nutrition community. Field JO. **Nutr Rev** 1991 May;49(5):144-52 (30 ref.)

Malnutrition in patients with AIDS. Hecker LM, et al. **Nutr Rev** 1990 Nov;48(11):393-401 (66 ref.)

Is glutamine a conditionally essential amino acid? Lacey JM, et al. **Nutr Rev** 1990 Aug;48(8):297-309 (100 ref.)

Nutritional management of children with chronic renal failure. Summary of the task force on nutritional management of children with chronic renal failure. Hellerstein S, et al. **Pediatr Nephrol** 1987 Apr;1(2):195-211 (183 ref.)

Boyd Orr memorial lecture. Early nutrition and later achievement. Dobbing J. **Proc Nutr Soc** 1990 Jul; 49(2):103-18 (57 ref.)

Dipeptides in clinical nutrition. Fürst P, et al. **Proc Nutr Soc** 1990 Oct;49(3):343-59 (54 ref.)

Mechanisms of diet selection: the translation of needs into behaviour. Rogers PJ, et al. **Proc Nutr Soc** 1991 Mar; 50(1):65-70 (32 ref.)

Novel substrates and nutritional support: possible role of ornithine alpha-ketoglutarate. Silk DB, et al. **Proc Nutr Soc** 1990 Oct;49(3):381-7 (49 ref.)

Opportunities for nutritional scientists in cancer prevention. Boutwell RK. **Prog Clin Biol Res** 1990;347:269-84 (31 ref.)

Nutrition and health in China, 1949 to 1989. Kantha SS. **Prog Food Nutr Sci** 1990;14(2-3):93-137 (226 ref.)

Nutrients and immune responses. Delafuente JC. **Rheum Dis Clin North Am** 1991 May;17(2):203-12 (45 ref.)

Nutritional aspects of juvenile rheumatoid arthritis. Henderson CJ, et al. **Rheum Dis Clin North Am** 1991 May; 17(2):403-13 (59 ref.)

[The nutrition of young diabetic patients] Jezequel C. **Ann Pediatr (Paris)** 1991 Apr;38(4):211-5 (18 ref.) (Eng. Abstr.) (Fre)

[Nutrition and breast cancer] Richardson S, et al. **Pathol Biol (Paris)** 1991 Jan;39(1):74-5 (44 ref.) (Fre)

[The role of fish in nutrition] Rumm-Kreuter D, et al. **Bibl Nutr Dieta** 1990;(46):22-36 (18 ref.) (Ger)

[Sports and the digestive tract] Moser B. **Dtsch Med Wochenschr** 1990 Sep 21;115(38):1448-51 (50 ref.) (Ger)

[Nutrition in chronic liver diseases] Müller MJ, et al. **Dtsch Med Wochenschr** 1991 Jun 7;116(23):909-16 (69 ref.) (Ger)

[Recent developments in selected areas of food biotechnology] Ruttloff H. **Nahrung** 1990;34(7):629-59 (290 ref.) (Eng. Abstr.) (Ger)

[Is sugar a nutrient robber?] Feldheim W. **Z Ernahrungswiss** 1990;29 Suppl 1:26-30 (9 ref.) (Eng. Abstr.) (Ger)

[Position of sugar in nutrition] Wolfram G. **Z Ernahrungswiss** 1990;29 Suppl 1:21-5 (8 ref.) (Eng. Abstr.) (Ger)

[Psychogenic stimulation of the immune system by nutrition] Bergler R, et al. **Zentralbl Hyg Umweltmed** 1991 Mar; 191(2-3):241-64 (197 ref.) (Eng. Abstr.) (Ger)

[Nutrition and consumer health protection] Grossklaus D. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2-3):102-16 (43 ref.) (Eng. Abstr.) (Ger)

[Metabolic nutritional strategy: head injuries] Pittoni G. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):493-9 (23 ref.) (Ita)

[Nutritional problems in chronic recurring respiratory insufficiency] Tufano R, et al. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):483-9 (28 ref.) (Ita)

[Metabolico-nutritional strategy in postoperative intensive therapy] Zanello M, et al. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):501-5 (0 ref.) (Ita)

[Nutrition or industry. Experiences with nutritional considerations in the agricultural policy] Botten G. **Tidsskr Nor Laegeforen** 1991 Jun 30;111(17):2162-4 (15 ref.) (Eng. Abstr.) (Nor)

[Characteristics of nutrition and certain mechanisms of antitumor resistance] Sopotsinskaia EB, et al. **Eksp Onkol** 1990;12(6):3-7 (50 ref.) (Eng. Abstr.) (Rus)

[Laboratory control over the nutrition of the troops in the active army] Egiazarov GM. **Voen Med Zh** 1991 Mar; (3):9-12 (11 ref.) (Rus)

[Basis for the elaboration of nutritional guidelines] Romero Moreno ME. **Arch Latinoam Nutr** 1988 Sep;38(3):780-7 (14 ref.) (Eng. Abstr.) (Spa)

[Present and future of nutrition in cancer] Villazón A, et al. **Rev Gastroenterol Mex** 1990 Apr-Jun;55(2):79-89 (164 ref.) (Spa)

EDUCATION

Educating physicians in nutrition--a view of the past, the present, and the future. Feldman EB. **Am J Clin Nutr** 1991 Oct;54(4):618-22 (18 ref.)

Nutrition management for individuals with noninsulin-dependent diabetes mellitus in the 1990s: a review by the Diabetes Care and Education dietetic practice group. Beebe CA, et al. **J Am Diet Assoc** 1991 Feb;91(2):196-202, 205-7 (31 ref.)

Counteracting nutritional misinformation: a curricular proposal. Jamison JR. **J Manipulative Physiol Ther** 1990 Oct;13(8):454-62 (91 ref.)

Nutrition education in Scottish schools. Lean ME. **Proc Nutr Soc** 1991 Mar;50(1):45-8 (11 ref.)

What can and what cannot be achieved by nutrition education? A challenge for the 1990s. McManus K. **Proc Nutr Soc** 1990 Oct;49(3):389-95 (25 ref.)

PHYSIOLOGY

Nutritional causes of renal impairment in old age. Rudman D, et al. **Am J Kidney Dis** 1990 Oct;16(4):289-95 (71 ref.)

The role of the placenta in nutrition of the human fetus. Schneider H. **Am J Obstet Gynecol** 1991 Apr;164(4):967-73 (30 ref.)

Nutritional regulation of IGF-I and IGF binding proteins. Clemmons DR, et al. **Annu Rev Nutr** 1991;11:393-412 (83 ref.)

Nutrition and athletic performance. Kris-Etherton PM. **Bol Asoc Med P R** 1990 Aug;82(8):366-8 (32 ref.)

The starved colon--diminished mucosal nutrition, diminished absorption, and colitis. Roediger WE. **Dis Colon Rectum** 1990 Oct;33(10):858-62 (57 ref.)

Swallowing disorders and nutritional support. Ganger D, et al. **Dysphagia** 1990;4(4):213-9 (11 ref.)

Nutrition and the older adult. Granieri E. **Dysphagia** 1990; 4(4):196-201 (20 ref.)

Factors affecting ability to resume oral nutrition in the oropharyngeal dysphagic individual. Logemann JA. **Dysphagia** 1990;4(4):202-8 (24 ref.)

Nutritional factors affecting renal growth and hypertrophy. Knecht A, et al. **Semin Nephrol** 1990 Sep;10(5):464-71 (74 ref.)

Performance variables associated with the competitive gymnast. Bale P, et al. **Sports Med** 1990 Sep;10(3):139-45 (53 ref.)

[Nutrition and immunity] Szczepanik M. **Przegl Lek** 1990; 47(9):659-64 (32 ref.) (Pol)

[The role of nutrition in cytoprotection] Segal B, et al. **Rev Med Chir Soc Med Nat Iasi** 1990 Jan-Mar;94(1):51-6 (22 ref.) (Rum)

NUTRITION ASSESSMENT

Assessing the nutritional needs of the critically ill patient. Mirtallo JM. **DICP** 1990 Nov;24(11 Suppl):S20-3 (12 ref.)

Folate status assessment. Bailey LB. **J Nutr** 1990 Nov;120 Suppl 11:1508-11 (20 ref.)

The importance of context in choosing nutritional indicators. Habicht JP, et al. **J Nutr** 1990 Nov;120 Suppl 11:1519-24 (21 ref.)

Assessment of human vitamin C status. Jacob RA. **J Nutr** 1990 Nov;120 Suppl 11:1480-5 (24 ref.)

Iron: nutrition monitoring and nutrition status assessment. Johnson MA. **J Nutr** 1990 Nov;120 Suppl 11:1486-91 (26 ref.)

Assessment of zinc status. King JC. **J Nutr** 1990 Nov;120 Suppl 11:1474-9 (28 ref.)

Vitamin B-6: a status report. Leklem JE. **J Nutr** 1990 Nov; 120 Suppl 11:1503-7 (20 ref.)

Methods for assessment of vitamin A status. Underwood BA. **J Nutr** 1990 Nov;120 Suppl 11:1459-63 (24 ref.)

Assessing calcium status and metabolism. Weaver CM. **J Nutr** 1990 Nov;120 Suppl 11:1470-3 (24 ref.)

Assessment of protein nutritional status. Young VR, et al. **J Nutr** 1990 Nov;120 Suppl 11:1496-502 (51 ref.)

Assessment of nutritional status. Jeejeebhoy KN, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep-Oct;14(5 Suppl):193S-196S (31 ref.)

Nutritional assessment and indications for nutritional support. Smith LC, et al. **Surg Clin North Am** 1991 Jun;71(3):449-57 (26 ref.)

[The assessment of the nutritional status in the elderly] Santi Cano MJ, et al. **Med Clin (Barc)** 1991 Mar 9;96(9):350-5 (103 ref.) (Spa)

NUTRITION DISORDERS

Famine: a perspective for the nutrition community. Field JO. **Nutr Rev** 1991 May;49(5):144-52 (30 ref.)

Amino acids in surgical nutrition. Principles and practice. Dudrick PS, et al. **Surg Clin North Am** 1991 Jun; 71(3):459-76 (63 ref.)

Nutritional consequences of major gastrointestinal surgery. Patient outcome and starvation. Shikora SA, et al. **Surg Clin North Am** 1991 Jun;71(3):509-21 (54 ref.)

Nutritional assessment and indications for nutritional support.

Smith LC, et al. **Surg Clin North Am** 1991 Jun;71(3):449–57 (26 ref.)

COMPLICATIONS

Malnutrition and infections as causes of childhood anemia in tropical Africa. Kasili EG. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):375–7 (15 ref.)

Cytomegalovirus colitis and wasting. Kotler DP. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S36–41 (5 ref.)

Are patients with cirrhosis choline deficient? **Nutr Rev** 1990 Oct;48(10):383–5 (9 ref.)

Nutritional status and dental caries. **Nutr Rev** 1991 May; 49(5):158–60 (9 ref.)

Nutritional therapy for infants with diarrhea. Lifschitz CH, et al. **Nutr Rev** 1990 Sep;48(9):329–38 (67 ref.)

Nutrition: its relationship to orthopedic infections. Smith TK. **Orthop Clin North Am** 1991 Jul;22(3):373–7 (43 ref.)

Nutritional disorders in HIV disease. Calderón E, et al. **Prog Food Nutr Sci** 1990;14(4):371–402 (97 ref.)

DIAGNOSIS

The importance of context in choosing nutritional indicators. Habicht JP, et al. **J Nutr** 1990 Nov;120 Suppl 11:1519–24 (21 ref.)

DIET THERAPY

Maintaining nutritional balance in adults. Elsen RJ, et al. **Compr Ther** 1991 Mar;17(3):12–9 (23 ref.)

Does nutrition management benefit the head and neck cancer patient? [see comments] Reilly JJ. **Oncology (Williston Park)** 1990 Jun;4(6):105–15; discussion 115–6 (40 ref.) Comment in: Oncology (Williston Park) 1990 Nov;4(11):42.

Nutritional support of patients with advanced cancer. Souchon VF. **Recent Results Cancer Res** 1991;121:260–5 (6 ref.)

EPIDEMIOLOGY

Nutritional problems of developing countries. Brown KH, et al. **Infect Dis Clin North Am** 1991 Jun;5(2):297–317 (190 ref.)

Nutrition and health in China, 1949 to 1989. Kantha SS. **Prog Food Nutr Sci** 1990;14(2–3):93–137 (226 ref.)

Nutrition concerns in Bangladesh: the focus for improvement. Schulz LO, et al. **Prog Food Nutr Sci** 1990;14(2–3):259–76 (44 ref.)

Nutrition and health services needs among the homeless. Wiecha JL, et al. **Public Health Rep** 1991 Jul–Aug; 106(4):364–74 (60 ref.)

[The nutritional and health status of the Latin American woman] Figueroa ML, et al. **Arch Latinoam Nutr** 1988 Sep; 38(3):705–22 (63 ref.) (Eng. Abstr.) **(Spa)**

[Nutritional pathology in Latin America and the Caribbean] Valiente S, et al. **Arch Latinoam Nutr** 1988 Sep;38(3):445–65 (29 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Socioeconomic, psychological and educational aspects of nutrition in old age. Davies L. **Age Ageing** 1990 Jul; 19(4):S37–42 (21 ref.)

Nutritional consequences of vegetarianism. Dwyer JT. **Annu Rev Nutr** 1991;11:61–91 (135 ref.)

Malabsorption, malnutrition and HIV disease. Griffin GE. **Baillieres Clin Gastroenterol** 1990 Jun;4(2):361–73 (44 ref.)

Nutritional status and dietary management of elderly diabetic patients. Reed RL, et al. **Clin Geriatr Med** 1990 Nov; 6(4):883–901 (158 ref.)

Is diarrhoea a major cause of malnutrition among the under-fives in developing countries? A review of available evidence. Briend A. **Eur J Clin Nutr** 1990 Sep;44(9):611–28 (90 ref.)

Anorexia in older patients: its meaning and management. Morley JE. **Geriatrics** 1990 Dec;45(12):59–62, 65–6 (21 ref.)

Role of the dietitian in the nutrition management of adults after liver transplantation. Hasse J. **J Am Diet Assoc** 1991 Apr;91(4):473–6 (33 ref.)

Infection, malnutrition and growth. Mata L. **J Gastroenterol Hepatol** 1990;5 Suppl 1:32–44 (76 ref.)

Inadequate vegan diets at weaning. **Nutr Rev** 1990 Aug; 48(8):323–6 (12 ref.)

Cystic fibrosis. 6. Gastrointestinal and nutritional aspects. Kopelman H. **Thorax** 1991 Apr;46(4):261–7 (28 ref.)

[Digestive and nutritional manifestations of Netherton's syndrome] Pradeaux L, et al. **Arch Fr Pediatr** 1991 Feb; 48(2):95–8 (18 ref.) (Eng. Abstr.) **(Fre)**

[Nutrition-related diseases of adults] Schlierf G, et al. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):307–15 (14 ref.) (Eng. Abstr.) **(Ger)**

[Interactions among the components of the diet] Caballero B. **Arch Latinoam Nutr** 1988 Sep;38(3):656–84 (129 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

1990 McCollum Award lecture. Nutrition and immunity: lessons from the past and new insights into the future. Chandra RK. **Am J Clin Nutr** 1991 May;53(5):1087–101 (119 ref.)

Nutritional modulation of phagocyte function with special emphasis on the newborn. Harris MC, et al. **Indian J Pediatr** 1990 Mar–Apr;57(2):147–58 (62 ref.)

Perioperative nutritional support: immunologic defects. Christou N. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct; 14(5 Suppl):186S–192S (116 ref.)

[Parenteral feeding and immunity] Lukashchuk VD, et al. **Klin Khir** 1991;(2):41–4 (36 ref.) **(Rus)**

METABOLISM

Human energy metabolism: what have we learned from the doubly labeled water method? Schoeller DA, et al. **Annu Rev Nutr** 1991;11:355–73 (47 ref.)

Antioxidants and prooxidants in malnourished populations. Thurnham DI. **Proc Nutr Soc** 1990 Jul;49(2):247–59 (58 ref.)

Physical activity and energy expenditure in undernutrition. Spurr GB. **Prog Food Nutr Sci** 1990;14(2–3):139–92 (133 ref.)

[Pharmacokinetics of aspirin in African children with normal nutrition and malnutrition] Treluyer JM, et al. **Arch Fr Pediatr** 1991 May;48(5):337–41 (22 ref.) (Eng. Abstr.) **(Fre)**

[Pharmacokinetics of antibiotics in malnutrition] Idoipe Tomás A. **Nutr Hosp** 1990 Mar–Apr;5(2):77–84 (10 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

The role of nutrition in neurologic health and development of infants with chronic renal failure. Geary DF, et al. **Adv Perit Dial** 1990;6:252–4 (15 ref.)

Muscle growth and exercise. Pearson AM. **Crit Rev Food Sci Nutr** 1990;29(3):167–96 (240 ref.)

Malnutrition and lung growth. Gaultier C. **Pediatr Pulmonol** 1991;10(4):278–86 (54 ref.)

Pubertal growth and sexual maturation for adolescents with chronic illness or disability. Rosen DS. **Pediatrician** 1991; 18(2):105–20 (170 ref.)

Vulnerability of developing brain to undernutrition. Smart JL. **Ups J Med Sci Suppl** 1990;48:21–41 (28 ref.)

Functional consequences of maternal malnutrition. González-Cossio T, et al. **World Rev Nutr Diet** 1991; 64:139–73 (98 ref.)

PREVENTION & CONTROL

Parenteral and enteral nutrition. Shizgal HM. **Annu Rev Med** 1991;42:549–65 (58 ref.)

Nutritional and metabolic support. Burzstein S, et al. **Crit Care Clin** 1991 Apr;7(2):451–61 (24 ref.)

Epidemiology, antenatal screening, nutrition, and therapeutics in pregnancy. Witter FR. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):36–9 (19 ref.)

Swallowing disorders and nutritional support. Ganger D, et al. **Dysphagia** 1990;4(4):213–9 (11 ref.)

Nature, nurture, nutrition: interdisciplinary programs to address the prevention of malnutrition and dehydration. Musson ND, et al. **Dysphagia** 1990;5(2):96–101 (14 ref.)

Strategies and needs for nutritional support in cancer surgery. Schlag P, et al. **Recent Results Cancer Res** 1991;121:233–48 (37 ref.)

[Basis for the elaboration of nutritional guidelines] Romero Moreno ME. **Arch Latinoam Nutr** 1988 Sep;38(3):780–7 (14 ref.) (Eng. Abstr.) **(Spa)**

[Lactose tolerance and milk consumption: myths and realities] Scrimshaw NS, et al. **Arch Latinoam Nutr** 1988 Sep; 38(3):543–67 (119 ref.) (Eng. Abstr.) **(Spa)**

[Fortification and enrichment of foods: considerations on their use for achieving nutritional goals] Torún B. **Arch Latinoam Nutr** 1988 Sep;38(3):647–55 (31 ref.) (Eng. Abstr.) **(Spa)**

REHABILITATION

[Usefulness of physical exercise in nutritional rehabilitation] de la Torre Beldarrain ML. **Nutr Hosp** 1991 Jan–Feb; 6(1):59–65 (9 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Nutritional management of hepatic failure. Mizock BA. **Acute Care** 1988–89;14–15:71–90 (121 ref.)

Nutritional problems of the elderly. Mobarhan S, et al. **Clin Geriatr Med** 1991 May;7(2):191–214 (71 ref.)

Nutritional and metabolic support of critically ill patients. Bower RH. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct; 14(5 Suppl):257S–259S (24 ref.)

Nutritional support in the cancer patient. Daly JM, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):244S–248S (58 ref.)

Nutritional support in renal failure. Compher C, et al. **Surg Clin North Am** 1991 Jun;71(3):597–608 (81 ref.)

Nutritional support of patients with cancer of the gastrointestinal tract. Daly JM, et al. **Surg Clin North Am** 1991 Jun;71(3):523–36 (58 ref.)

Nutritional management of inflammatory bowel disease. Dudrick SJ, et al. **Surg Clin North Am** 1991 Jun; 71(3):609–23 (79 ref.)

Perioperative nutritional support. Ellis LM, et al. **Surg Clin North Am** 1991 Jun;71(3):493–507 (57 ref.)

Nutritional support of patients with AIDS. Hickey MS. **Surg Clin North Am** 1991 Jun;71(3):645–64 (130 ref.)

Nutritional management of acute and chronic pancreatitis. Latifi R, et al. **Surg Clin North Am** 1991 Jun;71(3):579–95 (90 ref.)

Nutritional support in liver failure. Latifi R, et al. **Surg Clin North Am** 1991 Jun;71(3):567–78 (48 ref.)

Total parenteral nutrition in the pediatric patient. Taylor L, et al. **Surg Clin North Am** 1991 Jun;71(3):477–91 (89 ref.)

[Prognostic-nutritional indices] Staniaszczyk M, et al. **Wiad Lek** 1990 Dec 1–15;43(23–24):1120–6 (50 ref.) **(Pol)**

VETERINARY

Nutritional modulation of immunity in domestic food animals. Reddy PG, et al. **Adv Vet Sci Comp Med** 1990;35:255–81 (144 ref.)

Nutritional support in the surgical patient. Remillard RL, et al. **Semin Vet Med Surg (Small Anim)** 1990 Aug; 5(3):197–207 (43 ref.)

Clinical nutrition of sheep and goats. Donoghue S, et al. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):563–76 (48 ref.)

NUTRITION DISORDERS, CHILD see **CHILD NUTRITION DISORDERS**

NUTRITION DISORDERS, INFANT see **INFANT NUTRITION DISORDERS**

NUTRITION LABELING see **FOOD LABELING**

NUTRITION SURVEYS

Methodological issues in nutrition surveillance: the CDC experience. Trowbridge FL, et al. **J Nutr** 1990 Nov;120 Suppl 11:1512–8 (8 ref.)

Dose–response tests in field surveys. Underwood BA. **J Nutr** 1990 Nov;120 Suppl 11:1455–8 (13 ref.)

The Hispanic Health and Nutrition Examination Survey. **Nutr Rev** 1991 May;49(5):156–8 (7 ref.)

[Actual nutrition and rationale for the recommended levels of consumption of vitamins] Spirichev VB. **Vopr Pitan** 1990 Nov–Dec;(6):4–9 (55 ref.) **(Rus)**

NUTRITIONAL AVAILABILITY see **NUTRITIVE VALUE**

NUTRITIONAL REQUIREMENTS

Rubidium: a companion of potassium or an essential trace element of its own? Selin E, et al. **Beitr Infusionther** 1991; 27:86–103 (21 ref.)

Cellular nutrition in support of early multiple organ failure. Bagley JS, et al. **Chest** 1991 Sep;100(3 Suppl):182S–188S (88 ref.)

Energy requirements in patients with renal failure. Hirschberg RR, et al. **Contrib Nephrol** 1990;81:124–35 (41 ref.)

Nutritional and metabolic support. Burzstein S, et al. **Crit Care Clin** 1991 Apr;7(2):451–61 (24 ref.)

Assessing nutritional needs for the burned patient. Curreri PW. **J Trauma** 1990 Dec;30(12 Suppl):S20–3 (20 ref.)

A contrarian view of the wisdom of the body as it relates to dietary self-selection. Galef BG Jr. **Psychol Rev** 1991 Apr;98(2):218–23 (55 ref.)

Nutritional support in the critically ill surgical patient. McCarthy MC. **Surg Clin North Am** 1991 Aug;71(4):831–41 (34 ref.)

[Lysine and human nutrition] Cynober L. **Ann Biol Clin (Paris)** 1991;49(1):40–4 (47 ref.) (Eng. Abstr.) **(Fre)**

[The problem of the prevention of selenium deficiency in Belgium] Lederer J. **Arch Belg** 1989;47(7–8):291–311 (83 ref.) (Eng. Abstr.) **(Fre)**

[Nutritional requirements of aged people] Debry G. **Nephrologie** 1990;11(5):307–11 (49 ref.) (Eng. Abstr.) **(Fre)**

[Nutrition of the burn patient] Chioléro R, et al. **Rev Med Suisse Romande** 1991 Jun;111(6):501–9 (40 ref.) **(Fre)**

[Food guidelines and nutritional goals for aging] Horwitz A. **Arch Latinoam Nutr** 1988 Sep;38(3):723–49 (23 ref.) (Eng. Abstr.) **(Spa)**

[Requirements of nutrients which participate in erythropoiesis] Layrisse M, et al. **Arch Latinoam Nutr** 1988 Sep;38(3):622–46 (101 ref.) (Eng. Abstr.) **(Spa)**

[Fortification and enrichment of foods: considerations on their use for achieving nutritional goals] Torún B. **Arch Latinoam Nutr** 1988 Sep;38(3):647–55 (31 ref.) (Eng. Abstr.) **(Spa)**

NUTRITIONAL STATUS

Nutritional modulation of immunity in domestic food animals. Reddy PG, et al. **Adv Vet Sci Comp Med** 1990;35:255–81 (144 ref.)

Dietary regulation of cytochrome P450. Anderson KE, et al. **Annu Rev Nutr** 1991;11:141–67 (174 ref.)

Infant body composition measurements as an assessment of nutritional status. Nichols BL, et al. **Basic Life Sci** 1990; 55:1–14 (44 ref.)

Nutrition and metabolism in continuous ambulatory peritoneal dialysis. Gahl GM, et al. **Contrib Nephrol** 1990; 84:36–44 (39 ref.)

Folate status assessment. Bailey LB. **J Nutr** 1990 Nov;120 Suppl 11:1508–11 (20 ref.)

The importance of context in choosing nutritional indicators.

Habicht JP, et al. **J Nutr** 1990 Nov;120 Suppl 11:1519–24 (21 ref.)
Assessment of human vitamin C status. Jacob RA. **J Nutr** 1990 Nov;120 Suppl 11:1480–5 (24 ref.)
Iron: nutrition monitoring and nutrition status assessment. Johnson MA. **J Nutr** 1990 Nov;120 Suppl 11:1486–91 (26 ref.)
Assessment of zinc status. King JC. **J Nutr** 1990 Nov;120 Suppl 11:1474–9 (28 ref.)
Vitamin B–6: a status report. Leklem JE. **J Nutr** 1990 Nov; 120 Suppl 11:1503–7 (20 ref.)
Dose-response tests in field surveys. Underwood BA. **J Nutr** 1990 Nov;120 Suppl 11:1455–8 (13 ref.)
Methods for assessment of vitamin A status. Underwood BA. **J Nutr** 1990 Nov;120 Suppl 11:1459–63 (24 ref.)
Assessing calcium status and metabolism. Weaver CM. **J Nutr** 1990 Nov;120 Suppl 11:1470–3 (24 ref.)
Assessment of protein nutritional status. Young VR, et al. **J Nutr** 1990 Nov;120 Suppl 11:1496–502 (51 ref.)
Assessment of nutritional status. Jeejeebhoy KN, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):193S–196S (31 ref.)
Diet composition, energy intake, and nutritional status in relation to obesity in men and women. Miller WC. **Med Sci Sports Exerc** 1991 Mar;23(3):280–4 (25 ref.)
The Hispanic Health and Nutrition Examination Survey. **Nutr Rev** 1991 May;49(5):156–8 (7 ref.)
Nutrition concerns in Bangladesh: the focus for improvement. Schulz LO, et al. **Prog Food Nutr Sci** 1990;14(2–3):259–76 (44 ref.)
Nutrition and health services needs among the homeless. Wiecha JL, et al. **Public Health Rep** 1991 Jul–Aug; 106(4):364–74 (60 ref.)
Strategies and needs for nutritional support in cancer surgery. Schlag P, et al. **Recent Results Cancer Res** 1991;121:233–48 (37 ref.)
The nutrition and health impact of cash cropping in west Africa: a historical perspective. Brun TA. **World Rev Nutr Diet** 1991;65:124–62 (39 ref.)
The impact of agricultural projects on food, nutrition and health. Brun TA, et al. **World Rev Nutr Diet** 1991;65:99–123 (31 ref.)
[Pharmacokinetics of aspirin in African children with normal nutrition and malnutrition] Treluyer JM, et al. **Arch Fr Pediatr** 1991 May;48(5):337–41 (22 ref.) (Eng. Abstr.) (Fre)
[Artificial feeding and respiratory insufficiency] Sottiaux T. **Rev Med Liege** 1991 Mar;46(3):131–46 (75 ref.) (Fre)
[Somatomedin, growth and nutritional status] Tirapegui JO, et al. **Arq Gastroenterol** 1990 Apr–Jun;27(2):95–102 (71 ref.) (Eng. Abstr.) (Por)
[The nutritional and health status of the Latin American woman] Figueroa ML, et al. **Arch Latinoam Nutr** 1988 Sep; 38(3):705–22 (63 ref.) (Eng. Abstr.) (Spa)
[Nutritional status with regard to calcium in Argentina] Zeni SN, et al. **Arch Latinoam Nutr** 1988 Jun;38(2):209–18 (22 ref.) (Eng. Abstr.) (Spa)
[Anthropometric evaluation of nutritional status in children. Procedures, standardization and significance] Flores-Huerta S, et al. **Bol Med Hosp Infant Mex** 1990 Oct;47(10):725–35 (39 ref.) (Eng. Abstr.) (Spa)
[The assessment of the nutritional status in the elderly] Santi Cano MJ, et al. **Med Clin (Barc)** 1991 Mar 9;96(9):350–5 (103 ref.) (Spa)

DRUG EFFECTS

Nutritional considerations in the elderly. Boyd JA, et al. **Am Pharm** 1991 Apr;NS31(4):45–50 (13 ref.)

PHYSIOLOGY

The diagnostic value of measurements for trace elements in biological material. Aggett PJ. **Beitr Infusionther** 1991; 27:53–65 (25 ref.)
Nutritional adaptation of Papua New Guinea Highlanders. Koishi H. **Eur J Clin Nutr** 1990 Dec;44(12):851–911 (97 ref.)
Nutritional support in the critically ill surgical patient. McCarthy MC. **Surg Clin North Am** 1991 Aug;71(4):831–41 (34 ref.)
[Nutritional status and its evaluation in patients with cirrhosis of the liver complicated by portal hypertension (review of the literature)] Tsatsanidi KN, et al. **Khirurgiia (Mosk)** 1990 Jul;(7):152–8 (108 ref.) (Rus)

NUTRITIVE VALUE

Precision parameters of methods of analysis required for nutrition labeling. Part I. Major nutrients. Horwitz W, et al. **J Assoc Off Anal Chem** 1990 Sep–Oct;73(5):661–80 (18 ref.)
A contrarian view of the wisdom of the body as it relates to dietary self-selection. Galef BG Jr. **Psychol Rev** 1991 Apr;98(2):218–23 (55 ref.)
[Bean grain quality] Bressani R. **Arch Latinoam Nutr** 1989 Sep;39(3):419–42 (62 ref.) (Eng. Abstr.) (Spa)
[Characterization of the nutritional potential of tepari bean (Phaseolus acutifolius) grown in Mexico] González de Mejia E, et al. **Arch Latinoam Nutr** 1988 Dec;38(4):907–24 (47 ref.) (Eng. Abstr.) (Spa)

NYCTIPHANES see **CRUSTACEA**

NYCTOHEMERAL RHYTHM see **CIRCADIAN RHYTHM**

NYSTAGMUS

ETIOLOGY

The diagnosis and management of vertigo. Kumar A, et al. **Compr Ther** 1990 Dec;16(12):56–66 (10 ref.)
[Oculo-palatal myoclonus and multiple sclerosis] Revol A, et al. **Rev Neurol (Paris)** 1990;146(8–9):518–21 (25 ref.) (Eng. Abstr.) (Fre)

PHYSIOPATHOLOGY

Ocular oscillations. Congenital and acquired. Abel LA. **Bull Soc Belge Ophtalmol** 1989;237:163–89 (99 ref.)
[Dissociated vertical divergence. Early strabismus. Nystagmus] Bourron-Madignier M, et al. **Bull Soc Ophtalmol Fr** 1990 Apr;90(4):385–8, 391–3 (13 ref.) (Eng. Abstr.) (Fre)

NYSTAGMUS, PHYSIOLOGIC

PHYSIOLOGY

Optokinetic nystagmus in normal and visually deprived children: implications for cortical development. Lewis TL, et al. **Can J Psychol** 1989 Jun;43(2):121–40 (105 ref.)
Plasticity in the vestibulo-ocular and optokinetic reflexes following modification of canal input. Paige GD. **Rev Oculomot Res** 1985;1:145–53 (0 ref.)
Cooperative functions of vestibular nuclei neurons and floccular Purkinje cells in the control of nystagmus slow phase velocity: single cell recordings and lesion studies in the monkey. Waespe W, et al. **Rev Oculomot Res** 1985; 1:233–50 (0 ref.)

OATS see **CEREALS**

OBESITY

see related
APPETITE DEPRESSANTS
DIET, REDUCING
LIPECTOMY
SKINFOLD THICKNESS

[Endocrinologic approach to obesity and thinness] Matsukura S, et al. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):309–16 (14 ref.) (Jpn)

CHEMICALLY INDUCED

Lithium and weight gain. Chen Y, et al. **Int Clin Psychopharmacol** 1990 Jul;5(3):217–25 (42 ref.)
[Obesity and diabetes as side-effects of beta-blockers] Astrup AV. **Ugeskr Laeger** 1990 Oct 1;152(40):2905–8 (16 ref.) (Eng. Abstr.) (Dan)

COMPLICATIONS

Metabolic considerations in hypertension. Tuck ML. **Am J Hypertens** 1990 Dec;3(12 Pt 2):355S–365S (142 ref.)
Impact of age, race, and obesity on hypertensive mechanisms and therapy. Weir MR. **Am J Med** 1991 May 17; 90(5A):3S–14S (128 ref.)
Obesity, diet, and psychosocial factors contributing to cardiovascular disease in blacks. Kumanyika S, et al. **Cardiovasc Clin** 1991;21(3):47–73 (118 ref.)
Obesity, hypertension and stroke. Barrett-Connor E. **Clin Exp Hypertens [A]** 1990;12(5):769–82 (28 ref.)
Abdominal obesity and risk. Björntorp P. **Clin Exp Hypertens [A]** 1990;12(5):783–94 (20 ref.)
Hypertension in obesity and NIDDM. Role of insulin and sympathetic nervous system. Daly PA, et al. **Diabetes Care** 1991 Mar;14(3):240–8 (101 ref.)
Metabolic and health complications of obesity. Grundy SM, et al. **Dis Mon** 1990 Dec;36(12):641–731 (256 ref.)
Nutrition management for individuals with noninsulin-dependent diabetes mellitus in the 1990s: a review by the Diabetes Care and Education dietetic practice group. Beebe CA, et al. **J Am Diet Assoc** 1991 Feb;91(2):196–202, 205–7 (31 ref.)
Diet, obesity, fat distribution and cancer in women. Schapira DV. **J Am Med Wom Assoc** 1991 Jul–Aug;46(4):126–30 (61 ref.)
Obesity and hypertension: epidemiological aspects of the relationship. Heyden S, et al. **J Hum Hypertens** 1990 Aug; 4(4):431–5 (24 ref.)
Hypertension in obesity may reflect a homeostatic thermogenic response. Clark MG, et al. **Life Sci** 1991; 48(10):939–47 (67 ref.)
Energy imbalance and cancer of the breast, colon and prostate. Simopoulos AP. **Med Oncol Tumor Pharmacother** 1990;7(2–3):109–20 (55 ref.)
Obesity and renal transplantation. Merion RM, et al. **Surg Gynecol Obstet** 1991 May;172(5):367–76 (20 ref.)
[Health risks of obesity. Significance of the regional distribution of adipose tissue] Richelsen B. **Ugeskr Laeger** 1991 Mar 25;153(13):908–13 (30 ref.) (Eng. Abstr.) (Dan)
[Maurice Derot 1991 Award. Diabetogenic and atherogenic fat] Vague J. **Journ Annu Diabetol Hotel Dieu** 1991;:273–96 (135 ref.) (Fre)
[Arterial hypertension in patients with obesity. Role of hyperinsulinism and insulin resistance] Feraille E, et al. **Rev Med Interne** 1990 Jul–Aug;11(4):293–6 (46 ref.) (Eng. Abstr.) (Fre)
[Obesity as a risk factor for ischemic heart disease] Białkowska M, et al. **Wiad Lek** 1990 May 1–15; 43(9–10):433–7 (21 ref.) (Eng. Abstr.) (Pol)

DIET THERAPY

Approaching the protein-sparing modified fast. Seim HC, et al. **Am Fam Physician** 1990 Nov;42(5 Suppl):51S–56S (23 ref.)
Energy restriction or salt restriction in the treatment of overweight hypertension. Which one? A point of view. Eliahou HE, et al. **Clin Exp Hypertens [A]** 1990; 12(5):795–802 (28 ref.)
Medical management of obesity. Piziak VK. **Compr Ther** 1991 Mar;17(3):54–9 (16 ref.)
Targeting weight-reduction programs. **Nutr Rev** 1990 Nov; 48(11):414–6 (20 ref.)

DRUG THERAPY

The antiobesity effect of dehydroepiandrosterone in rats. Cleary MP. **Proc Soc Exp Biol Med** 1991 Jan;196(1):8–16 (86 ref.)
[Regulation of food intake and the treatment of obesity using centrally-active serotonergic drugs] Pijl H, et al. **Ned Tijdschr Geneeskd** 1991 Apr 20;135(16):700–3 (42 ref.) (Dut)

EPIDEMIOLOGY

Central obesity, glucose intolerance and other cardiovascular disease risk factors: an old syndrome rediscovered. Zimmet P, et al. **Diabetes Res Clin Pract** 1990;10 Suppl 1:S167–71 (19 ref.)
The changing shape of obesity, Japan 1990. Dyer RG. **Diabetic Med** 1991 Jun;8(5):492–4 (0 ref.)

ETHNOLOGY

Obesity and hypertension in blacks. Dustan HP. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:395–402 (37 ref.)
The Hispanic Health and Nutrition Examination Survey. **Nutr Rev** 1991 May;49(5):156–8 (7 ref.)

ETIOLOGY

Insulin resistance. A multifaceted syndrome responsible for NIDDM, obesity, hypertension, dyslipidemia, and atherosclerotic cardiovascular disease. DeFronzo RA, et al. **Diabetes Care** 1991 Mar;14(3):173–94 (307 ref.)
A re-assessment of the regulation of adiposity and appetite by the brain insulin system. Woods SC, et al. **Int J Obes** 1990;14 Suppl 3:69–73; discussion 74–6 (34 ref.)
Obesity, a disorder of nutrient partitioning: the MONA LISA hypothesis. Bray GA. **J Nutr** 1991 Aug;121(8):1146–62 (144 ref.)
Where's the energy? Variable response to overfeeding. **Nutr Rev** 1991 Feb;49(2):54–6 (14 ref.)
Genetic obesity: is the defect in the sympathetic nervous system? A review through developmental studies in the preobese Zucker rat. Krief S, et al. **Proc Soc Exp Biol Med** 1991 Oct;198(1):528–38 (160 ref.)
[Genetic-epidemiological studies of causes of obesity] Sørensen TI, et al. **Nord Med** 1991;106(6–7):182–3, 204 (15 ref.) (Eng. Abstr.) (Dan)
[Obesity in childhood and adolescence—conditions that cause it, sequelae, treatment methods] Rabenschlag U. **Off Gesundheitswes** 1990 Aug–Sep;52(8–9):467–74 (56 ref.) (Eng. Abstr.) (Ger)
[Does sugar play a role in the development of overweight?] Förster H. **Z Ernahrungswiss** 1990;29 Suppl 1:45–52 (34 ref.) (Eng. Abstr.) (Ger)
[Is sugar involved in the development of cardiovascular diseases?] Wolfram G. **Z Ernahrungswiss** 1990;29 Suppl 1:35–8 (19 ref.) (Eng. Abstr.) (Ger)
[Obesity: relationships with the endocrine system] Alboni S, et al. **Recenti Prog Med** 1991 Feb;82(2):104–9 (28 ref.) (Eng. Abstr.) (Ita)
[The role of beta-endorphin in the pathogenesis of essential arterial hypertension and obesity] Słowińska-Srzednicka J. **Acta Physiol Pol** 1989;40 Suppl 34:98–114 (54 ref.) (Pol)

GENETICS

Rearrangement of chromosome 15 in the region q11.2——q12 in an individual with obesity syndrome and her normal mother. Shohat M, et al. **Am J Med Genet** 1990 Oct; 37(2):173–7 (22 ref.)
Animal models of obesity: genetic aspects. Johnson PR, et al. **Annu Rev Nutr** 1991;11:325–53 (220 ref.)
Heredity and the path to overweight and obesity. Bouchard C. **Med Sci Sports Exerc** 1991 Mar;23(3):285–91 (35 ref.)
Obesity: nature or nurture? **Nutr Rev** 1991 Jan;49(1):21–2 (6 ref.)
Genetic contributions to human obesity. Stunkard AJ. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:205–18 (18 ref.)

IMMUNOLOGY

1990 McCollum Award lecture. Nutrition and immunity: lessons from the past and new insights into the future. Chandra RK. **Am J Clin Nutr** 1991 May;53(5):1087–101 (119 ref.)

METABOLISM

Diet-induced thermogenesis. An experimental study in healthy and obese individuals. Thörne A. **Acta Chir Scand Suppl** 1990;558:6–59 (145 ref.)

Human energy metabolism: what have we learned from the doubly labeled water method? Schoeller DA, et al. **Annu Rev Nutr** 1991;11:355–73 (47 ref.)

Substrate interactions in the development of insulin resistance in type II diabetes and obesity. Sugden MC, et al. **J Endocrinol** 1990 Nov;127(2):187–90 (26 ref.)

[Opioid peptides and obesity] Daubresse C. **Rev Med Liege** 1990 Aug;45(8):375–80 (25 ref.) **(Fre)**

[Obesity at the cellular level] Björntorp P. **Nord Med** 1991; 106(6–7):191–4 (14 ref.) (Eng. Abstr.) **(Swe)**

PHYSIOPATHOLOGY

Body composition for the investigation of obesity. Garrow J. **Basic Life Sci** 1990;55:183–90 (23 ref.)

Is the endogenous digitalis-like factor the link between hypertension and metabolic disorders as diabetes mellitus, obesity and acromegaly? Clerico A, et al. **Clin Physiol Biochem** 1990;8(3):153–68 (115 ref.)

Obesity and hypertension. Dustan HP. **Diabetes Care** 1991 Jun;14(6):488–504 (110 ref.)

Hyperinsulinemia or increased sympathetic drive as links for obesity and hypertension. Modan M, et al. **Diabetes Care** 1991 Jun;14(6):470–87 (235 ref.)

Calcium metabolism in hypertension and allied metabolic disorders. Resnick LM. **Diabetes Care** 1991 Jun; 14(6):505–20 (129 ref.)

Insulin resistance and blood pressure regulation in obese and nonobese subjects. Special lecture. Rocchini AP. **Hypertension** 1991 Jun;17(6 Pt 2):837–42 (60 ref.)

Role of salt in the control of blood pressure in obesity and diabetes mellitus. Tuck ML. **Hypertension** 1991 Jan;17(1 Suppl):I135–42 (104 ref.)

Obesity—a state of reduced sympathetic activity and normal or high adrenal activity (the autonomic and adrenal hypothesis revisited). Bray GA. **Int J Obes** 1990;14 Suppl 3:77–91; discussion 91–2 (91 ref.)

Clinical review 26: Insulin resistance in obese and nonobese man. Caro JF. **J Clin Endocrinol Metab** 1991 Oct; 73(4):691–5 (10 ref.)

The sympathoadrenal system, obesity and hypertension: an overview. Landsberg L. **J Neurosci Methods** 1990 Sep; 34(1–3):179–86 (68 ref.)

Diet composition, energy intake, and nutritional status in relation to obesity in men and women. Miller WC. **Med Sci Sports Exerc** 1991 Mar;23(3):280–4 (25 ref.)

Human obesity. Exploding the myths. Weigle DS. **West J Med** 1990 Oct;153(4):421–8 (64 ref.)

[Serotonin and eating disorders] Nutzinger DO, et al. **Nervenarzt** 1991 Mar;62(3):198–201 (35 ref.) **(Ger)**

[Physical exertion and obesity] Krotkiewski M. **Wiad Lek** 1990 May 1–15;43(9–10):449–54 (19 ref.) **(Pol)**

[Physiopathology of obesity] de Portugal Alvarez J. **An Med Interna** 1989 Feb;6(2):94–9 (44 ref.) **(Spa)**

PREVENTION & CONTROL

The role of exercise in weight regulation in nonathletes. King AC, et al. **Sports Med** 1991 May;11(5):331–49 (154 ref.)

SURGERY

Reoperation for failed gastric bypass procedures for obesity. Mason EE, et al. **Surg Clin North Am** 1991 Feb;71(1):45–56 (13 ref.)

THERAPY

NIH consensus statement covers treatment of obesity. **Am Fam Physician** 1991 Jul;44(1):305–6 (0 ref.)

Obesity: types and treatments. Willard MD. **Am Fam Physician** 1991 Jun;43(6):2099–108 (30 ref.)

The management of obesity. Jung RT, et al. **Clin Endocrinol (Oxf)** 1991 Jul;35(1):11–20 (90 ref.)

Weight control and exercise. Miles DS. **Clin Sports Med** 1991 Jan;10(1):157–69 (27 ref.)

Mechanisms of action in cognitive-behavioral and pharmacological interventions for obesity and bulimia nervosa. Craighead LW, et al. **J Consult Clin Psychol** 1991 Feb;59(1):115–25 (77 ref.)

Factors common to successful therapy for the obese patient. Foreyt JP, et al. **Med Sci Sports Exerc** 1991 Mar; 23(3):292–7 (48 ref.)

Very low calorie diets and recently developed anti-obesity drugs for treating overweight in non-insulin-dependent diabetics. Meinders AE. **Neth J Med** 1990 Oct; 37(3–4):162–6 (22 ref.)

Treatment for obesity: a nutrient balance/nutrient partition approach. Bray GA. **Nutr Rev** 1991 Feb;49(2):33–45 (27 ref.)

[Clinical management of obesity and diabetes with hyperuricemia] Matsushima M, et al. **Nippon Rinsho** 1991 May;49(5):1150–5 (14 ref.) **(Jpn)**

OBESITY IN DIABETES

EPIDEMIOLOGY

Obesity and diabetes in blacks. Pi-Sunyer FX. **Diabetes Care** 1990 Nov;13(11):1144–9 (44 ref.)

ETIOLOGY

Fat oxidation and diabetes of obesity: the Randle hypothesis revisited. Elks ML. **Med Hypotheses** 1990 Dec;33(4):257–60 (32 ref.)

PHYSIOPATHOLOGY

Hypertension and diabetes in blacks. Douglas JG. **Diabetes Care** 1990 Nov;13(11):1191–5 (50 ref.)

OBESITY, MORBID

see related
GASTRIC BUBBLE
GASTRIC BYPASS
GASTROPLASTY
JEJUNOILEAL BYPASS

DIAGNOSIS

[Severe surgical obesity. A psychiatric evaluation] Papa R, et al. **Ann Ital Chir** 1990 Jul–Aug;61(4):375–88 (61 ref.) **(Ita)**

DRUG THERAPY

Dexfenfluramine [editorial] **Lancet** 1991 Jun 1; 337(8753):1315–6 (13 ref.)

PATHOLOGY

Abnormalities of adipose cells in massive obesity. Roncari DA. **Int J Obes** 1990;14 Suppl 3:187–92 (15 ref.)

SURGERY

Choices of operative procedure for morbid obesity. Sugerman HJ, et al. **J Arkansas Med Soc** 1990 Sep; 87(4):163–5 (16 ref.)

Body contouring and weight loss surgery for obesity. Black J, et al. **Nurs Clin North Am** 1991 Sep;26(3):777–88 (21 ref.)

[The anesthesiological problems of the morbidly obese patient] Croci M, et al. **Ann Ital Chir** 1990 Jul–Aug; 61(4):355–8 (33 ref.) **(Ita)**

[Treatment of short bowel syndrome] Rodríguez Montes JA. **An R Acad Nac Med (Madr)** 1990;107(1):91–113 (50 ref.) **(Spa)**

[Morbid obesity: surgical treatment (II). Current bariatric techniques, efficacy and legal implications] Alastrué A, et al. **Med Clin (Barc)** 1991 Apr 27;96(16):624–30 (40 ref.) **(Spa)**

THERAPY

Gastroplasty and very-low-calorie diet in the treatment of morbid obesity. Andersen T. **Dan Med Bull** 1990 Aug; 37(4):359–70 (149 ref.)

OBJECT ATTACHMENT

Current conceptualizations on masochism: genesis and object relations. Glickauf-Hughes C, et al. **Am J Psychother** 1991 Jan;45(1):53–68 (42 ref.)

A developmental view of therapeutic bonding in the family: treatment of the disconnected family. Doane JA, et al. **Fam Process** 1991 Jun;30(2):155–75 (45 ref.)

Towards a revised theory of borderline object relations: contributions of empirical research. Westen D. **Int J Psychoanal** 1990;71 (Pt 4):661–93 (130 ref.)

Intrapsychic structure, object relations, and interpersonal interaction: treatment process and change in the psychiatric hospital. Bauer SF. **J Am Acad Psychoanal** 1990 Winter; 18(4):566–86 (51 ref.)

Exploring an object relations perspective on borderline conditions. Tuttman S. **J Am Acad Psychoanal** 1990 Winter; 18(4):539–53 (41 ref.)

Assessment of adult relatedness: a review of empirical findings from object relations and attachment theories. Fishler PH, et al. **J Pers Assess** 1990 Winter; 55(3–4):499–520 (60 ref.)

A psychoanalytic view of the Rorschach Comprehensive System "special scores". Meloy JR, et al. **J Pers Assess** 1991 Apr;56(2):202–17 (55 ref.)

Adolescent problem behaviors: the influence of attachment and autonomy. Allen JP, et al. **Psychiatr Clin North Am** 1990 Sep;13(3):455–67 (75 ref.)

The Parental Bonding Instrument: psychometric properties reviewed. Parker G. **Psychiatr Dev** 1989 Winter;7(4):317–35 (39 ref.)

Attachment and separateness. A dialectic model of the products and processes of development throughout the life cycle. Blatt SJ, et al. **Psychoanal Study Child** 1990; 45:107–27 (52 ref.)

[Treatment of divorce families--considerations from the viewpoint of object relations theory and contextual therapy] Suess GJ. **Prax Kinderpsychol Kinderpsychiatr** 1990 Oct;39(8):278–83 (45 ref.) (Eng. Abstr.) **(Ger)**

OBJECT RELATIONS see **OBJECT ATTACHMENT**

OBLIGATION, SOCIAL see **SOCIAL RESPONSIBILITY**

OBSERVER BIAS see **OBSERVER VARIATION**

OBSERVER VARIATION

Medical diagnostic ultrasound instrumentation and clinical interpretation. Report of the ultrasonography task force. Council on Scientific Affairs. **JAMA** 1991 Mar 6; 265(9):1155–9 (25 ref.)

The fetal heart rate trace is normal, isn't it? Observer agreement of categorical assessments [see comments] Grant JM. **Lancet** 1991 Jan 26;337(8735):215–8 (12 ref.) Comment in: Lancet 1991 Mar 9;337(8741):612–3.

OBSESSIVE BEHAVIOR

PHYSIOPATHOLOGY

Serotonin in obsessions, compulsions, and the control of aggressive impulses. Insel TR, et al. **Ann N Y Acad Sci** 1990;600:574–85; discussion 585–6 (63 ref.)

OBSESSIVE-COMPULSIVE DISORDER

Childhood obsessive-compulsive disorder. King NJ, et al. **J Paediatr Child Health** 1991 Jun;27(3):139–40 (10 ref.)

Stereotypic or obsessive-compulsive disorders in dogs and cats. Luescher UA, et al. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):401–13 (55 ref.)

COMPLICATIONS

Tourette's disorder and associated complex behaviors: a case report. McDougle CJ, et al. **Yale J Biol Med** 1990 May–Jun;63(3):209–14 (35 ref.)

DIAGNOSIS

Relationship between hypochondriasis and obsessive-compulsive personality disorder: close relatives separated by nosological schemes? Starčević V. **Am J Psychother** 1990 Jul;44(3):340–7 (32 ref.)

Toward a new nosology of obsessive compulsive disorder. Tynes LL, et al. **Compr Psychiatry** 1990 Sep–Oct; 31(5):465–80 (89 ref.)

Diagnostic criteria for obsessive-compulsive disorder. Foa EB, et al. **Hosp Community Psychiatry** 1991 Jul; 42(7):679–80, 684 (9 ref.)

Geriatric obsessive-compulsive disorder. Jenike MA. **J Geriatr Psychiatry Neurol** 1991 Jan–Mar;4(1):34–9 (33 ref.)

The assessment and management of obsessive-compulsive disorder. McConaghy N. **Med J Aust** 1991 Jun 3; 154(11):760–4 (11 ref.)

How to recognize obsessive-compulsive disorder. Alarcon RD. **Postgrad Med** 1991 Sep 1;90(3):131–2, 137–40, 143 (28 ref.)

Conceptual and methodological issues in studies of obsessive-compulsive and Tourette's disorders. Hollander E, et al. **Psychiatr Dev** 1989 Winter;7(4):267–96 (132 ref.)

DRUG THERAPY

Clomipramine for obsessive-compulsive disorder. Feinberg M. **Am Fam Physician** 1991 May;43(5):1735–8 (31 ref.)

New pharmacologic approaches to obsessive compulsive disorder. Insel TR. **J Clin Psychiatry** 1990 Oct;51 Suppl:47–51; discussion 56–8 (36 ref.)

Obsessive-compulsive disorder and its treatment with serotonin-selective agents. Murphy DL, et al. **Prog Clin Biol Res** 1990;361:179–201 (64 ref.)

[Drug treatment of compulsive disorder] Rapoport JL. **Nervenarzt** 1991 May;62(5):318–20 (28 ref.) **(Ger)**

ETIOLOGY

Obsessive-compulsive disorder: evidence for basal ganglia dysfunction. Rapoport JL, et al. **Psychopharmacol Bull** 1988;24(3):380–4 (22 ref.)

[Biological hypotheses in obsessive-compulsive disorder] Hantouche E, et al. **Encephale** 1990 Jul–Aug;16(4):241–9 (71 ref.) (Eng. Abstr.) **(Fre)**

[Biological bases of obsessive-compulsive disorder] López-Ibor Aliño JJ, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1990 Sep–Oct;18(5):306–15 (76 ref.) (Eng. Abstr.) **(Spa)**

[Loss of psychic autoactivation syndrome] Barraquer Bordás L. **Arch Neurobiol (Madr)** 1990 Sep–Oct;53(5):196–9 (13 ref.) **(Spa)**

PHYSIOPATHOLOGY

Serotonin in obsessions, compulsions, and the control of aggressive impulses. Insel TR, et al. **Ann N Y Acad Sci** 1990;600:574–85; discussion 585–6 (63 ref.)

Obsessive compulsive disorder and basal ganglia dysfunction [editorial] Rapoport JL. **Psychol Med** 1990 Aug;20(3):465–9 (37 ref.)

Obsessive-compulsive disorder: a neuroethological perspective. Insel TR. **Psychopharmacol Bull** 1988;

24(3):365–9 (26 ref.)
Basal ganglia neuropharmacology and obsessive–compulsive disorder: the obsessive–compulsive disorder hypothesis of basal ganglia dysfunction. Stahl SM. **Psychopharmacol Bull** 1988;24(3):370–4 (28 ref.)
[The obsessive–compulsive syndrome: reflection of fronto–caudate dysregulation of the left hemisphere?] Flor–Henry P. **Encephale** 1990 Jul–Aug;16 Spec No:325–9 (48 ref.) (Eng. Abstr.) **(Fre)**
[Minor neurological signs in obsessive–compulsive disorders] Conde López V, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1990 May–Jun;18(3):143–64 (43 ref.) (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Behavioural (non–chemical) addictions [editorial] [see comments] Marks I. **Br J Addict** 1990 Nov;85(11):1389–94 (15 ref.) Comment in: Br J Addict 1990 Nov;85(11):1417–9; discussion 1429–31. Comment in: Br J Addict 1990 Nov;85(11):1421–3; discussion 1429–31. Comment in: Br J Addict 1990 Nov;85(11):1425–7; discussion 1429–31.
The waking nightmare: an overview of obsessive compulsive disorder. Rapoport JL. **J Clin Psychiatry** 1990 Nov;51 Suppl:25–8 (12 ref.)
Impulse control in obsessive–compulsive disorder: a biopsychopathological approach. Lopez–Ibor JJ Jr. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(5):709–18 (33 ref.)
Adolescence and eating disorder: the obsessive–compulsive syndrome. Rothenberg A. **Psychiatr Clin North Am** 1990 Sep;13(3):469–88 (78 ref.)
Tyranny of the obsessional character. Grumet GW. **Psychol Rep** 1991 Feb;68(1):71–93 (80 ref.)
Obsessive–compulsive disorder: course and interaction with depression. A review of the literature. Zitterl W, et al. **Psychopathology** 1990;23(2):73–80 (60 ref.)
[Obsessive–compulsive disorders in adolescents] Klein RG, et al. **Encephale** 1990 Jul–Aug;16 Spec No:317–20 (24 ref.) (Eng. Abstr.) **(Fre)**
[Current clinical aspects of obsessive disorders] Lempérière T, et al. **Encephale** 1990 Jul–Aug;16 Spec No:293–8 (32 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Treating the anxiety: therapeutic options in obsessive compulsive disorder. Greist JH. **J Clin Psychiatry** 1990 Nov;51 Suppl:29–34 (32 ref.)
Effect of personality disorders on outcome of treatment. Reich JH, et al. **J Nerv Ment Dis** 1991 Feb;179(2):74–82 (36 ref.)
The assessment and management of obsessive–compulsive disorder. McConaghy N. **Med J Aust** 1991 Jun 3; 154(11):760–4 (11 ref.)
[Cognitive therapy in obsessive–compulsive disorders] Cottraux J. **Encephale** 1990 Jul–Aug;16 Spec No:347–53 (27 ref.) (Eng. Abstr.) **(Fre)**
[Biological treatments in obsessive–compulsive disorder] Montgomery SA, et al. **Encephale** 1990 Jul–Aug;16 Spec No:335–9 (25 ref.) (Eng. Abstr.) **(Fre)**

OBSTETRICAL ANALGESIA see **ANALGESIA, OBSTETRICAL**

OBSTETRICS

see related
PREGNANCY COMPLICATIONS

Does obstetric ethics have any role in the obstetrician's response to the abortion controversy? [see comments] Chervenak FA, et al. **Am J Obstet Gynecol** 1990 Nov;163(5 Pt 1):1425–9 (17 ref.) Comment in: Am J Obstet Gynecol 1991 Jun;164(6 Pt 1):1686.
Expert systems in obstetrics and gynaecology. Chard T, et al. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):815–40 (55 ref.)
History–taking by computer. Lilford RJ, et al. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):723–42 (41 ref.)
Decision analysis in obstetrics and gynaecology. Thornton JG. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):857–66 (6 ref.)
ABC of antenatal care. Vital statistics of birth. Chamberlain G. **BMJ** 1991 Jul 20;303(6795):178–81 (0 ref.)
HIV infection. Managing exposure risks for the obstetrician/gynecologist. Crombleholme WR. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):627–36 (18 ref.)

METHODS

Recent technical progress in obstetrics and gynecology in Japan. Maeda K. **Front Med Biol Eng** 1990;2(2):81–7 (30 ref.)
Use of fibrin glue in obstetrics and gynecology: a review of the literature. Adamyan LV, et al. **Int J Fertil** 1991 Mar–Apr;36(2):76–7, 81–8 (112 ref.)
Recommendations for the management of low risk obstetric patients. Davis L, et al. **Int J Gynaecol Obstet** 1991 Jun; 35(2):107–15 (65 ref.)

STANDARDS

A critical review of labor and birth care. Obstetrical Interest Group of the North American Primary Care Research Group. Smith MA, et al. **J Fam Pract** 1991 Sep; 33(3):281–92 (144 ref.)
Human immunodeficiency virus infection, women, and pregnancy. Ethical issues. Nolan K. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):651–68 (54 ref.)

STATISTICS & NUMERICAL DATA

Data collection for an obstetric department. Maresh M. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):699–710 (23 ref.)

OBSTETRICS AND GYNECOLOGY DEPARTMENT, HOSPITAL

STANDARDS

Outcome measures of obstetrical and perinatal care. Buekens P. **Qual Assur Health Care** 1990;2(3–4):253–62 (54 ref.)

UTILIZATION

Bypassing rural hospitals for obstetrics care [see comments] Bronstein JM, et al. **J Health Polit Policy Law** 1991 Spring; 16(1):87–118 (69 ref.) Comment in: J Health Polit Policy Law 1991 Spring;16(1):119–20.

OCCIPITAL BONE

[A case of cellular blue nevus with bone and meningeal invasion] Chassagne JF, et al. **Rev Stomatol Chir Maxillofac** 1991;92(1):34–8 (24 ref.) (Eng. Abstr.) **(Fre)**
[A case of giant osteoma in the occipital bone] Nishitani K, et al. **No Shinkei Geka** 1990 Oct;18(10):947–52 (16 ref.) (Eng. Abstr.) **(Jpn)**

ABNORMALITIES

[Congenital cutaneous aplasia of the scalp. Apropos of 4 cases] Laumonier F, et al. **Chir Pediatr** 1990;31(2):106–12 (15 ref.) (Eng. Abstr.) **(Fre)**

INJURIES

[A case of incarceration of the vertebral and basilar arteries in a longitudinal fracture of the clivus] Sato H, et al. **No Shinkei Geka** 1990 Dec;18(12):1147–50 (16 ref.) (Eng. Abstr.) **(Jpn)**

OCCIPITAL LOBE

Primary angiosarcoma of the brain. Cookston M, et al. **South Med J** 1991 Apr;84(4):517–20 (22 ref.)

OCCLUSAL EQUILIBRATION see **DENTAL OCCLUSION, BALANCED**

OCCLUSIVE DRESSINGS

STANDARDS

Wound infection under occlusive dressings. Hutchinson JJ, et al. **J Hosp Infect** 1991 Feb;17(2):83–94 (87 ref.)

OCCULT BLOOD

Haem in the gut. Part II. Faecal excretion of haem and haem–derived porphyrins and their detection. Young GP, et al. **J Gastroenterol Hepatol** 1990 Mar–Apr;5(2):194–203 (42 ref.)
Fecal occult blood testing. Guidelines for follow–up after positive findings. Matzen RN. **Postgrad Med** 1991 Sep 1; 90(3):181–4, 189 (24 ref.)
[Screening for colorectal cancer by determination of occult blood in the feces] Restellini A, et al. **Rev Med Suisse Romande** 1991 Jun;111(6):483–8 (34 ref.) **(Fre)**

OCCULT PRIMARY NEOPLASMS see **NEOPLASMS, UNKNOWN PRIMARY**

OCCULT SPINA BIFIDA see **SPINA BIFIDA OCCULTA**

OCCULT SPINAL DYSRAPHISM see **SPINA BIFIDA OCCULTA**

OCCUPATIONAL AIR POLLUTANTS see **AIR POLLUTANTS, OCCUPATIONAL**

OCCUPATIONAL DERMATITIS

CHEMICALLY INDUCED

Management of allergic contact dermatitis due to rubber gloves in health and hospital personnel. Fisher AA. **Cutis** 1991 May;47(5):301–2 (12 ref.)

EPIDEMIOLOGY

Carbonless copy paper: a review of published epidemiologic studies. Buring JE, et al. **J Occup Med** 1991 Apr; 33(4):486–95 (35 ref.)

ETIOLOGY

An international survey on the prognosis of occupational contact dermatitis of the hands. Hogan DJ, et al. **Derm Beruf Umwelt** 1990 Sep–Oct;38(5):143–7 (7 ref.)
Allergy to coined money: nickel contact dermatitis in cashiers. Gollhausen R, et al. **J Am Acad Dermatol** 1991 Aug;25(2 Pt 2):365–9 (66 ref.)
[Importance of choosing suitable gloves for good protective effect. Disinfectants cause eczema and contact urticaria among health personnel] Fischer T, et al. **Lakartidningen** 1991 Mar 20;88(12):1077, 1079–80 (15 ref.) **(Swe)**

PREVENTION & CONTROL

Prevention of occupational contact dermatitis. Mathias CG. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 1):742–8 (29 ref.)

OCCUPATIONAL DISEASES

The respiratory health of welders. Sferlazza SJ, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1134–48 (73 ref.)
Adult chronic lead intoxication. A clinical review. Balestra DJ. **Arch Intern Med** 1991 Sep;151(9):1718–20 (28 ref.)
Transmission of hepatitis and AIDS: risks for the anaesthetist and the patient. Trépanier CA. **Can J Anaesth** 1991 May; 38(4 Pt 2):R98–104 (32 ref.) **(Eng, Fre)**
Occupational asthma. Chan–Yeung M. **Chest** 1990 Nov;98(5 Suppl):148S–161S (183 ref.)
Role of the physician in environmental and occupational asthma. Rosenstock L. **Chest** 1990 Nov;98(5 Suppl):162S–164S (16 ref.)
Hepatitis B. Current status in dentistry. Cottone JA. **Dent Clin North Am** 1991 Apr;35(2):269–82 (50 ref.)
Herpesviruses and other microorganisms of concern in dentistry. Merchant VA. **Dent Clin North Am** 1991 Apr; 35(2):283–98 (76 ref.)
Hypersensitivity pneumonitis. Sharma OP. **Dis Mon** 1991 Jul; 37(7):409–71 (269 ref.)
Evaluation and treatment of hand and wrist disorders in musicians. Amadio PC, et al. **Hand Clin** 1990 Aug; 6(3):405–16 (62 ref.)
The epidemiology and prevention of hand and wrist injuries in performing artists. Brandfonbrener AG. **Hand Clin** 1990 Aug;6(3):365–77 (40 ref.)
Common disorders of the elbow in athletes and musicians. Hotchkiss RN. **Hand Clin** 1990 Aug;6(3):507–15 (60 ref.)
Overview of work–related hazards in nursing: health and safety issues. Rogers B, et al. **Heart Lung** 1991 Sep;20(5 Pt 1):486–97 (105 ref.)
The global challenge of hepatitis B: implications for dentistry. Cottone JA. **Int Dent J** 1991 Jun;41(3):131–41 (56 ref.)
Occupational asthma. Stenton SC, et al. **Postgrad Med J** 1991 Mar;67(785):271–7 (16 ref.)
[Occupational respiratory diseases. Diagnosis and recovery] Bignon J, et al. **Rev Mal Respir** 1990;7 Suppl 2:R67–186 (0 ref.) **(Fre)**

CHEMICALLY INDUCED

Occupational and industrial toxin exposures and the gastrointestinal tract. Gastrointestinal Toxicology Subcommittee of the American College of Gastroenterology Patient Care Committee. DiPalma JA, et al. **Am J Gastroenterol** 1991 Sep;86(9):1107–17 (112 ref.)
Neurotoxic concerns of human pesticide exposures. Davies JE. **Am J Ind Med** 1990;18(3):327–31 (16 ref.)
Isocyanates. Baur X. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:241–6 (20 ref.)
Bronchial hyperresponsiveness, airway inflammation and occupational asthma induced by toluene diisocyanate. Fabbri LM, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:42–7 (31 ref.)
Air pollution and cancer. Pershagen G. **IARC Sci Publ** 1990; (104):240–51 (68 ref.)
Occupational neurotoxicology: some neuropsychological issues and challenges. Hawkins KA. **J Clin Exp Neuropsychol** 1990 Oct;12(5):664–80 (50 ref.)
Occupational risks of (meth)acrylate compounds in embedding media for electron microscopy. Tobler M, et al. **J Microsc** 1990 Dec;160 (Pt 3):291–8 (36 ref.)
Medical surveillance for workplace hepatotoxins. Harrison R. **Occup Med** 1990 Jul–Sep;5(3):515–30 (92 ref.)
Cancer hazards in the recombinant laboratory. Stark AA. **Occup Med** 1991 Apr–Jun;6(2):311–21 (33 ref.)
The risks of handling cytotoxic drugs. I. Methods of testing exposure. Kaijser GP, et al. **Pharm Weekbl [Sci]** 1990 Dec 14;12(6):217–27 (137 ref.)
Pathogenic and carcinogenic properties of silicon carbide. Cichy B. **Pol J Occup Med** 1989;2(1):87–96 (29 ref.)
[Occupational endangers in leather industry] Cui SG, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1991 Jan;25(1):41–3 (18 ref.) **(Chi)**
[Dental prosthesis technician, a subject with risk of Erasmus syndrome. Apropos of a case] Caux F, et al. **Ann Dermatol Venereol** 1991;118(4):301–4 (20 ref.) **(Fre)**
[Toxicity of ethylene oxide on the crystalline lense in an occupational milieu. Difficulty of epidemiologic surveys of cataract] Deschamps D, et al. **J Fr Ophtalmol** 1990; 13(4):189–97 (24 ref.) (Eng. Abstr.) **(Fre)**

[Neurologic and psychiatric disorders in vinyl chloride disease] Podoll K, et al. **Fortschr Neurol Psychiatr** 1990 Nov;58(11):439–43 (30 ref.) (Eng. Abstr.) **(Ger)**

[Mercury in the dental office. Risk evaluation of the occupational environment in dental care] Bjørklund G. **Tidsskr Nor Laegeforen** 1991 Mar 20;111(8):948–51 (26 ref.) (Eng. Abstr.) **(Nor)**

[Industrial factors in the production and processing of potash fertilizers and their effect on the body (review of the literature)] Khodykina TM. **Gig Tr Prof Zabol** 1990; (8):42–6 (56 ref.) **(Rus)**

COMPLICATIONS

Cancers of the maxillary sinus. Giri PG. **South Med J** 1991 Jul;84(7):897–902 (41 ref.)

DIAGNOSIS

The structure of expert diagnostic knowledge in occupational medicine. Harber P, et al. **Am J Ind Med** 1991;19(1):109–20 (8 ref.)

Environmental and occupational asthma. Exposure assessment. Newman-Taylor A, et al. **Chest** 1990 Nov;98(5 Suppl):209S–211S (16 ref.)

Use of immunologic technology in the diagnosis of environmental and occupational immunologic lung disease. Patterson R, et al. **Chest** 1990 Nov;98(5 Suppl):206S–208S (32 ref.)

Oncogene proteins as biomarkers in the molecular epidemiology of occupational carcinogenesis. The example of the ras oncogene-encoded p21 protein. Brandt-Rauf PW. **Int Arch Occup Environ Health** 1991;63(1):1–8 (43 ref.)

Quantitative fluorescence image analysis in bladder cancer screening. Hemstreet GP 3d, et al. **J Occup Med** 1990 Sep; 32(9):822–8 (37 ref.)

Molecular and cellular biological approaches and techniques in the detection of bladder cancer and enhanced risk for bladder cancer in high-risk groups. Hurst RE, et al. **J Occup Med** 1990 Sep;32(9):854–62 (61 ref.)

Detection of exfoliated bladder cancer cells by monoclonal antibodies to tumor-associated cell surface antigens. Lin CW, et al. **J Occup Med** 1990 Sep;32(9):910–6 (42 ref.)

Hematuria screening for bladder cancer. Messing EM, et al. **J Occup Med** 1990 Sep;32(9):838–45 (46 ref.)

The recognition and control of occupational disease. Landrigan PJ, et al. **JAMA** 1991 Aug 7;266(5):676–80 (45 ref.)

Good hearing-conservation program detects impairment and saves lives. Sataloff RT, et al. **Occup Health Saf** 1991 Apr; 60(4):46, 48–50 (20 ref.)

Surveillance for occupational asthma. Balmes JR. **Occup Med** 1991 Jan-Mar;6(1):101–10 (46 ref.)

Medical surveillance for melanoma at the Lawrence Livermore National Laboratory. Wald PH, et al. **Occup Med** 1990 Jul-Sep;5(3):607–16 (16 ref.)

[Occupational asthma and rhinitis: challenge tests and nasal hyperactivity: present practice and future perspectives] Grosclaude M, et al. **J Toxicol Clin Exp** 1989;9(1 Suppl Pt 2):7–13 (6 ref.) (Eng. Abstr.) **(Fre)**

[Laboratory diagnosis of renal changes caused by occupational chemical factors] Hanke J, et al. **Wiad Lek** 1990 Jun 15;43(12):583–9 (25 ref.) (Eng. Abstr.) **(Pol)**

DRUG THERAPY

[Possibilities of using dihydromonocalcium phosphate for prevention and treatment of chronic fluoride poisoning (review of the literature)] Iakovleva SS. **Gig Tr Prof Zabol** 1991;(2):28–9 (27 ref.) **(Rus)**

ECONOMICS

Compensation for occupational asthma in Quebec. Malo JL. **Chest** 1990 Nov;98(5 Suppl):236S–239S (25 ref.)

EPIDEMIOLOGY

Fire fighters and risk of cancer: an assessment and overview of the epidemiologic evidence. Howe GR, et al. **Am J Epidemiol** 1990 Dec;132(6):1039–50 (26 ref.)

Methodologic issues in exposure assessment for case-control studies of cancer and herbicides. Blair A, et al. **Am J Ind Med** 1990;18(3):285–93 (27 ref.)

Cancer by industry: analysis of a population-based cancer registry with an emphasis on blue-collar workers. Hall NE, et al. **Am J Ind Med** 1991;19(2):145–59 (40 ref.)

Towards causal inference in occupational cancer epidemiology—I. An example of the interpretive value of using local rates as the reference statistic. Veys CA. **Ann Occup Hyg** 1990 Aug;34(4):349–59 (35 ref.)

Proportion of lung and bladder cancers in males resulting from occupation: a systematic approach [see comments] Vineis P, et al. **Arch Environ Health** 1991 Jan-Feb; 46(1):6–15 (68 ref.) Comment in: Arch Environ Health 1991 Jan-Feb;46(1):5.

The level of risk of transmission of human immunodeficiency virus between patients and dental staff [see comments] Scully C, et al. **Br Dent J** 1991 Feb 9;170(3):97–100 (82 ref.) Comment in: Br Dent J 1991 Apr 6;170(7):254.

Epidemiology and surveillance. Becklake MR. **Chest** 1990 Nov;98(5 Suppl):165S–172S (72 ref.)

Current issues in the epidemiology and toxicology of occupational exposure to lead. Landrigan PJ. **Environ Health Perspect** 1990 Nov;89:61–6 (54 ref.)

Strategies for epidemiologic studies of lead in bone in occupationally exposed populations. Landrigan PJ. **Environ Health Perspect** 1991 Feb;91:81–6 (52 ref.)

Cancer epidemiology in the paper and pulp industry. Hogstedt C. **IARC Sci Publ** 1990;(104):382–9 (16 ref.)

Environmental exposures with decreased risks for lung cancer? Rylander R. **Int J Epidemiol** 1990;19 Suppl 1:S67–72 (38 ref.)

Hepatitis B and HIV infections in dental professionals: effectiveness of infection control procedures. Noble MA, et al. **J Can Dent Assoc** 1991 Jan;57(1):55–8 (26 ref.)

Carbonless copy paper: a review of published epidemiologic studies. Buring JE, et al. **J Occup Med** 1991 Apr; 33(4):486–95 (35 ref.)

Disease clusters: a central and ongoing role in occupational health. Fleming LE, et al. **J Occup Med** 1991 Jul; 33(7):818–25 (140 ref.)

The health of health care workers. The Ernestine Henry lecture 1990. Harrington JM. **J R Coll Physicians Lond** 1990 Jul;24(3):189–95 (68 ref.)

Job-exposure matrices in epidemiologic research and medical surveillance. Coughlin SS, et al. **Occup Med** 1990 Jul-Sep; 5(3):633–46 (50 ref.)

Pulmonary function testing: guidelines for medical surveillance and epidemiological studies. McKay RT, et al. **Occup Med** 1991 Jan-Mar;6(1):43–57 (12 ref.)

Precautions and testing in pediatric HIV infection: issues for emergency department personnel. Crain EF, et al. **Pediatr Emerg Care** 1991 Jun;7(3):177–81 (44 ref.)

Non-occupational factors in occupational morbidity and mortality. Shackleton S, et al. **Pol J Occup Med** 1989; 2(2):105–30 (61 ref.)

Effects of measurement errors on estimates of exposure-response relationships. Armstrong B. **Recent Results Cancer Res** 1990;120:50–63 (29 ref.)

Identification of occupational cancer risks using a population-based cancer registry. Band PR, et al. **Recent Results Cancer Res** 1990;120:106–21 (34 ref.)

Statistical issues in the analysis of data from occupational cohort studies. Breslow N. **Recent Results Cancer Res** 1990; 120:78–93 (50 ref.)

Adjustment for confounding in occupational cancer epidemiology. Spinelli JJ, et al. **Recent Results Cancer Res** 1990;120:64–77 (13 ref.)

Occupational cancer in Denmark. Cancer incidence in the 1970 census population. Lynge E, et al. **Scand J Work Environ Health** 1990;16 Suppl 2:3–35 (123 ref.)

[Assessment of musculoskeletal disorders using a questionnaire] Läubli T, et al. **Soz Praventivmed** 1991; 36(1):25–33 (42 ref.) (Eng. Abstr.) **(Ger)**

[Current situation of occupational diseases in physicians and medical personnel] Valentin H. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):182–200 (7 ref.) (Eng. Abstr.) **(Ger)**

[Epidemiology of pain in the lower segment of the spine (review of foreign literature)] Toroptsova NV. **Klin Med (Mosk)** 1991 Jan;69(1):26–31 (40 ref.) **(Rus)**

ETIOLOGY

Occupational transmission of HIV: the ethics of physician risk and responsibility. Cooke M. **AIDS Clin Rev** 1990;:1–10 (20 ref.)

Risk of HIV infection in health care workers. Fahrner R, et al. **AIDS Clin Rev** 1991;:215–25 (21 ref.)

Occupational HIV infection: risk assessment. Gerberding JL. **AIDS Clin Rev** 1989;:19–27 (15 ref.)

Extrinsic allergic alveolitis caused by esparto (Stipa tenacissima). Gamboa PM, et al. **Allergol Immunopathol (Madr)** 1990 Nov-Dec;18(6):331–4 (20 ref.)

HIV infection risk to health-care workers. Gershon RM, et al. **Am Ind Hyg Assoc J** 1990 Dec;51(12):A802–6 (44 ref.)

HIV infection risk to nonhealth-care workers. Gershon RM, et al. **Am Ind Hyg Assoc J** 1990 Dec;51(12):A807–9 (35 ref.)

Brake mechanics, asbestos, and disease risk. Huncharek M. **Am J Forensic Med Pathol** 1990 Sep;11(3):236–40 (33 ref.)

Are non-whites at greater risk for occupational cancer? Kipen HM, et al. **Am J Ind Med** 1991;19(1):67–74 (36 ref.)

Lessons from hand-arm vibration syndrome research. Wasserman DE, et al. **Am J Ind Med** 1991;19(4):539–46 (33 ref.)

Hearing loss in musicians. Sataloff RT. **Am J Otol** 1991 Mar; 12(2):122–7 (29 ref.)

A review of adverse effects on reproduction amongst female computer terminal workers. Ong CN, et al. **Ann Acad Med Singapore** 1990 Sep;19(5):649–55 (52 ref.)

Structure activity hypotheses in occupational asthma caused by low molecular weight substances. Agius RM, et al. **Ann Occup Hyg** 1991 Apr;35(2):129–37 (41 ref.)

Upper-extremity musculoskeletal disorders of occupational origin. Gerr F, et al. **Annu Rev Public Health** 1991; 12:543–66 (91 ref.)

Health aspects of carbonless copy paper. Murray R. **Contact Dermatitis** 1991 May;24(5):321–33 (39 ref.)

Work under extreme conditions. Luczak H. **Ergonomics** 1991 Jun;34(6):687–720 (44 ref.)

Ergonomic aspects of the health and safety of VDT work in Japan: a review. Nishiyama K. **Ergonomics** 1990 Jun; 33(6):659–85 (105 ref.)

Estimated risk of lung cancer attributable to occupational exposures in iron and steel foundries. Tossavainen A. **IARC Sci Publ** 1990;(104):363–7 (16 ref.)

Hazardous health effects of occupational exposure to wood dust. Flechsig R, et al. **Ind Health** 1990;28(3):107–19 (91 ref.)

Infections transmitted by large and small laboratory animals. Fox JG, et al. **Infect Dis Clin North Am** 1991 Mar; 5(1):131–63 (98 ref.)

AIDS/HIV infection and employment. Malone JM. **Ir Med J** 1990 Dec;83(4):148–50 (44 ref.)

Occupational diseases of teeth. Gupta BN. **J Soc Occup Med** 1990 Winter;40(4):149–52 (28 ref.)

Acute water intoxication as a complication of urine drug testing in the workplace [see comments] Klonoff DC, et al. **JAMA** 1991 Jan 2;265(1):84–5 (27 ref.) Comment in: JAMA 1991 May 22–29;265(20):2672.

Allergy to laboratory mice and rats: a review of the pathophysiology, epidemiology and clinical aspects. Hunskaar S, et al. **Lab Anim** 1990 Oct;24(4):358–74 (77 ref.)

Industrial back pain complaints. A broader perspective. Battié MC, et al. **Orthop Clin North Am** 1991 Apr;22(2):273–82 (122 ref.)

The role of occupational and non-occupational factors in workers ill-health. Järvisalo JO. **Pol J Occup Med** 1989; 2(4):407–33 (91 ref.)

Depression and fatigue in the primary care physician. Wise TN. **Prim Care** 1991 Jun;18(2):451–64 (38 ref.)

Cancer risks due to asbestos and man-made fibres. McDonald JC. **Recent Results Cancer Res** 1990;120:122–31 (23 ref.)

Effects of parental occupational exposures on spontaneous abortion and congenital malformation. Taskinen HK. **Scand J Work Environ Health** 1990 Oct;16(5):297–314 (149 ref.)

Dissemination of human pathogens by airline travel. Masterton RG, et al. **Soc Appl Bacteriol Symp Ser** 1991; 20:31S–38S (44 ref.)

Role of asbestos and other fibres in the development of diffuse malignant mesothelioma. Gibbs AR. **Thorax** 1990 Sep; 45(9):649–54 (76 ref.)

Roentgenographic manifestations and pulmonary function effects of asbestos-induced pleural thickening. Rosenstock L. **Toxicol Ind Health** 1991 Jan-Mar;7(1–2):81–7 (27 ref.)

Occupational HIV infection and health care workers in the tropics. Veeken H, et al. **Trop Doct** 1991 Jan;21(1):28–31 (24 ref.)

[Asbestos-induced lung diseases] Lange P, et al. **Ugeskr Laeger** 1990 Nov 19;152(47):3520–4 (30 ref.) (Eng. Abstr.) **(Dan)**

[Occupation and cancer of the oral cavity, pharynx and larynx] Maier H, et al. **HNO** 1990 Aug;38(8):271–8 (98 ref.) (Eng. Abstr.) **(Ger)**

[Etiology of bronchial cancer: smoking, passive smoking, environment and occupation] Schmähl D. **Pneumologie** 1991 Apr;45(4):134–6 (7 ref.) (Eng. Abstr.) **(Ger)**

[Pleural mesothelioma: etiology and practical consequences] Woitowitz HJ, et al. **Pneumologie** 1991 Apr;45(4):153–8 (34 ref.) (Eng. Abstr.) **(Ger)**

[Occupationally induced obstructive respiratory diseases] Baur X. **Verh Dtsch Ges Inn Med** 1990;96:49–51 (3 ref.) **(Ger)**

[Occupational medicine aspects in gastroenterologic diseases] Grimm R, et al. **Z Arztl Fortbild (Jena)** 1990;84(13):637–40 (59 ref.) **(Ger)**

[Environment, working conditions and cardiovascular diseases] Kristensen TS, et al. **Arq Bras Cardiol** 1990 Oct; 55(4):223–6 (20 ref.) **(Por)**

[Effects of computer technology and work conditions on health status of workers (review)] Romanaovskii KM, et al. **Gig Sanit** 1991 Apr;(4):35–8 (30 ref.) **(Rus)**

[Pathogenetic aspects of diagnosis and prevention of pathological conditions caused by products of microbiological synthesis (review of the literature)] Shleĭkin AG. **Gig Sanit** 1990 Aug;(8):45–8 (55 ref.) **(Rus)**

[Acquired immunodeficiency syndrome and surgery] Karavanov AG. **Klin Khir** 1991;(2):38–41 (63 ref.) **(Rus)**

[Occupational injuries of the eye caused by optical irradiation] Hrnjak M. **Srp Arh Celok Lek** 1990 Jan-Feb; 118(1–2):51–6 (20 ref.) (Eng. Abstr.) **(Scc)**

MICROBIOLOGY

AIDS and human immunodeficiency virus infections: update 1990. Krieger JN. **Semin Urol** 1991 Feb;9(1):32–9 (18 ref.)

[An anthrax epidemic in Switzerland. Clinical, diagnostic and epidemiological aspects of a mostly forgotten disease] Pfisterer RM. **Schweiz Med Wochenschr** 1991 Jun 1; 121(22):813–25 (99 ref.) (Eng. Abstr.) **(Ger)**

[Endocarditis caused cy Erysipelothrix rhusiopathiae. Study of 2 cases and review of the literature] Azofra J, et al. **Enferm Infecc Microbiol Clin** 1991 Feb;9(2):102–5 (25 ref.) (Eng. Abstr.) **(Spa)**

MORTALITY

A comparison of PMRs and SMRs as estimators of occupational mortality. Park RM, et al. **Epidemiology** 1991 Jan;2(1):49–59 (139 ref.)

Definition of exposure in epidemiological studies on foundry workers. Simonato L. **IARC Sci Publ** 1990;(104):368–74 (13 ref.)

Anoxic asphyxia--a cause of industrial fatalities: a review. James PB, et al. **J R Soc Med** 1991 Aug;84(8):493-5 (26 ref.)

PATHOLOGY

Peripheral nerve entrapments, repetitive strain disorder, occupation-related syndromes, bursitis, and tendonitis. Nakano KK. **Curr Opin Rheumatol** 1991 Apr;3(2):226-39 (51 ref.)

[A case of exogenous lipoid pneumonia showing a coin lesion with cavities] Iwasaki Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1991 Jun; 29(6):729-33 (16 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Assessing disability from occupational asthma. A perspective on the AMA guides. Harber P. **Chest** 1990 Nov;98(5 Suppl):232S-235S (6 ref.)

Clinical assessment of bronchial hyperresponsiveness due to nonspecific and specific agents. Pickering CA. **Chest** 1990 Nov;98(5 Suppl):202S-205S (30 ref.)

Presbyopia and the dentist: the effect of age on clinical vision [published erratum appears in Int Dent J 1991 Feb;41(1):54] Burton JF, et al. **Int Dent J** 1990 Oct;40(5):303-12 (19 ref.)

[Abnormalities of respiratory function in civil defence firefighter-submarine divers. Respective role of diving and occupational exposure related to occupational firefighter's functions] Barthelemy L, et al. **Rev Pneumol Clin** 1990; 46(6):271-6 (34 ref.) (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Procedures to protect health-care workers from HIV infection: category I (health-care) workers. Crutcher JM, et al. **Am Ind Hyg Assoc J** 1991 Feb;52(2):A100-3 (12 ref.)

AIDS in the workplace: a summary of risks and responses. Lamm SH, et al. **Am Ind Hyg Assoc J** 1991 Feb; 52(2):A112-5 (14 ref.)

Prevention of HIV transmission in the workplace: category II (emergency service) workers. Mueller K. **Am Ind Hyg Assoc J** 1991 Feb;52(2):A104-7 (13 ref.)

Human immunodeficiency virus and the thoracic surgeon. Stiles QR. **Ann Thorac Surg** 1991 Feb;51(2):341-3 (18 ref.)

Safety aspects in biotechnology. Classifications and safety precautions for handling of biological agents. Frommer W, et al. **Arzneimittelforschung** 1990 Jul;40(7):837-42 (5 ref.)

Use of exposure information and animal cancer data in the prevention of environmental and occupational cancer. Vainio H, et al. **Cancer Detect Prev** 1991;15(1):7-16 (36 ref.)

Personal barrier protection. Harfst SA. **Dent Clin North Am** 1991 Apr;35(2):357-66 (41 ref.)

Use of bacterial assay system for monitoring genotoxic complex mixtures in the occupational setting. Ong T, et al. **IARC Sci Publ** 1990;(104):101-6 (14 ref.)

Effectiveness of primary prevention of occupational exposures on cancer risk. Swerdlow AJ. **IARC Sci Publ** 1990;(103):23-56 (97 ref.)

Methods to reduce intraoperative transmission of blood-borne disease. Hester RA, et al. **J Bone Joint Surg [Am]** 1991 Aug;73(7):1108-11 (47 ref.)

New operative technique to reduce surgeons' risk of HIV infection. Raahave D, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:177-83 (22 ref.)

Towards safer surgery. Sim AJ. **J Hosp Infect** 1991 Jun;18 Suppl A:184-90 (3 ref.)

Precautions prevent spread of Creutzfeldt-Jakob disease. Mocsny N. **J Neurosci Nurs** 1991 Apr;23(2):116-9 (30 ref.)

Prevention of mumps, measles, and rubella among hospital personnel. Weber DJ, et al. **J Pediatr** 1991 Aug; 119(2):322-6 (56 ref.)

The recognition and control of occupational disease. Landrigan PJ, et al. **JAMA** 1991 Aug 7;266(5):676-80 (45 ref.)

Medical surveillance for pulmonary endpoints. Balmes JR. **Occup Med** 1990 Jul-Sep;5(3):499-513 (51 ref.)

Radiology in prevention and surveillance of occupational lung disease. Batra P, et al. **Occup Med** 1991 Jan-Mar; 6(1):81-100 (90 ref.)

Medical surveillance in the workplace--legal issues. Chinski A. **Occup Med** 1990 Jul-Sep;5(3):457-68 (78 ref.)

Medical surveillance for neurologic endpoints. Cone JE, et al. **Occup Med** 1990 Jul-Sep;5(3):547-62 (82 ref.)

Medical surveillance and biomonitoring for occupational cancer endpoints. Cone JE, et al. **Occup Med** 1990 Jul-Sep; 5(3):563-81 (85 ref.)

Physiologic testing in preventing occupational lung disease. Gelb AF. **Occup Med** 1991 Jan-Mar;6(1):59-68 (61 ref.)

Pulmonary function testing in pulmonary prevention. Harber P, et al. **Occup Med** 1991 Jan-Mar;6(1):69-79 (26 ref.)

Pulmonary prevention: programmatic characterization. Harber P. **Occup Med** 1991 Jan-Mar;6(1):133-43 (12 ref.)

Program optimization: a semi-quantitative approach. Harber P, et al. **Occup Med** 1991 Jan-Mar;6(1):145-51 (2 ref.)

The role of industrial hygiene in preventing occupational lung disease. Hinds WC. **Occup Med** 1991 Jan-Mar; 6(1):29-42 (32 ref.)

The role of worker education in preventing occupational lung disease. Kaufman JD, et al. **Occup Med** 1991 Jan-Mar; 6(1):1-9 (23 ref.)

Medical surveillance for renal endpoints. Kosnett MJ. **Occup Med** 1990 Jul-Sep;5(3):531-46 (82 ref.)

Screening for lung cancer: effective tests awaiting effective treatment. Marfin AA, et al. **Occup Med** 1991 Jan-Mar; 6(1):111-31 (62 ref.)

Guidelines for medical screening in the workplace. Matte TD, et al. **Occup Med** 1990 Jul-Sep;5(3):439-56 (14 ref.)

Medical surveillance in the workplace: overview. Rempel D. **Occup Med** 1990 Jul-Sep;5(3):435-8 (8 ref.)

Role of industrial hygiene in medical surveillance. Robinson ST. **Occup Med** 1990 Jul-Sep;5(3):469-78 (6 ref.)

Medical surveillance of infectious disease endpoints. Rosenberg J, et al. **Occup Med** 1990 Jul-Sep;5(3):583-605 (59 ref.)

Meeting the health promotion challenge through a model of shared responsibility. Sandroff DJ, et al. **Occup Med** 1990 Oct-Dec;5(4):677-90 (31 ref.)

Varicella in the womb and beyond. Brunell PA. **Pediatr Infect Dis J** 1990 Oct;9(10):770-2 (27 ref.)

The risks of handling cytotoxic drugs. II. Recommendations for working with cytotoxic drugs. Kaijser GP, et al. **Pharm Weekbl [Sci]** 1990 Dec 14;12(6):228-35 (119 ref.)

AIDS and the gastroenterologist. Cello JP. **Scand J Gastroenterol Suppl** 1990;175:146-58 (34 ref.)

Assessing the risk of occupational acquisition of the human immunodeficiency virus: implications for hospital policy. Orient JM. **South Med J** 1990 Oct;83(10):1121-7 (45 ref.)

[Health screening in the workplace. Benefits and principles] Rasmussen K, et al. **Ugeskr Laeger** 1990 Oct 22; 152(43):3144-8 (19 ref.) (Eng. Abstr.) **(Dan)**

[Prevention of HIV infections in surgical gynecology and obstetrics] Hirsch HA. **Geburtshilfe Frauenheilkd** 1990 Sep; 50(9):665-9 (30 ref.) (Eng. Abstr.) **(Ger)**

[Medical examination of the workers occupationally exposed to ionizing radiation] Kato T. **Rinsho Byori** 1991 Apr; 39(4):333-7 (11 ref.) (Eng. Abstr.) **(Jpn)**

PSYCHOLOGY

Environmental illness. A controlled study of 26 subjects with '20th century disease' [see comments] Black DW, et al. **JAMA** 1990 Dec 26;264(24):3166-70 (33 ref.) Comment in: JAMA 1991 May 8;265(18):2335-7.

Prevention of psychological disability after occupational respiratory exposures. Shusterman DJ, et al. **Occup Med** 1991 Jan-Mar;6(1):11-27 (69 ref.)

RADIOGRAPHY

Occupational lung disease. McLoud TC. **Radiol Clin North Am** 1991 Sep;29(5):931-41 (43 ref.)

REHABILITATION

Clinical surveillance and management of occupational asthma. Tertiary prevention by the primary practitioner. Cullen MR. **Chest** 1990 Nov;98(5 Suppl):196S-201S (14 ref.)

Upper-extremity rehabilitation: conditioning and orthotics for the athlete and performing artist. Prokop LL. **Hand Clin** 1990 Aug;6(3):517-24 (39 ref.)

THERAPY

Caring for medical students as patients. Lane LW, et al. **Arch Intern Med** 1990 Nov;150(11):2249-53 (52 ref.)

Clinical management when the environment can be changed. Reed CE. **Chest** 1990 Nov;98(5 Suppl):216S-219S (12 ref.)

Treatment of musical hands: redesign of the interface. Markison RE. **Hand Clin** 1990 Aug;6(3):525-44 (7 ref.)

Current therapy of bladder cancer. Whitmore WF Jr. **J Occup Med** 1990 Sep;32(9):921-5 (44 ref.)

OCCUPATIONAL EXPOSURE

see related

AIR POLLUTANTS, OCCUPATIONAL

Brake mechanics, asbestos, and disease risk. Huncharek M. **Am J Forensic Med Pathol** 1990 Sep;11(3):236-40 (33 ref.)

Reproductive hazards of fire fighting. I. Non-chemical hazards. Agnew J, et al. **Am J Ind Med** 1991;19(4):433-45 (86 ref.)

Reproductive hazards of fire fighting. II. Chemical hazards. McDiarmid MA, et al. **Am J Ind Med** 1991;19(4):447-72 (164 ref.)

The three most common occupational exposures reported by pregnant women: an update. Bentur Y, et al. **Am J Obstet Gynecol** 1991 Aug;165(2):429-37 (107 ref.)

Is carbon monoxide a workplace teratogen? A review and evaluation of the literature. Norman CA, et al. **Ann Occup Hyg** 1990 Aug;34(4):335-47 (44 ref.)

Assessment of long-term exposures to toxic substances in air. Rappaport SM. **Ann Occup Hyg** 1991 Feb;35(1):61-121 (128 ref.)

Occupational and environmental exposures to radon: cancer risks. Axelson O. **Annu Rev Public Health** 1991;12:235-55 (109 ref.)

Occupational exposure and defects of the central nervous system in offspring: review. Roeleveld N, et al. **Br J Ind Med** 1990 Sep;47(9):580-8 (121 ref.)

Environmental and occupational asthma. Exposure assessment. Newman-Taylor A, et al. **Chest** 1990 Nov;98(5 Suppl):209S-211S (16 ref.)

Clinical management when the environment can be changed. Reed CE. **Chest** 1990 Nov;98(5 Suppl):216S-219S (12 ref.)

ELF: exposure levels, bioeffects, and epidemiology. Anderson LE. **Health Phys** 1991 Jul;61(1):41-6 (26 ref.)

VDTs: field levels, epidemiology, and laboratory studies. Kavet R, et al. **Health Phys** 1991 Jul;61(1):47-57 (55 ref.)

Complex chlorinated hydrocarbons: occupational exposure in the sawmill industry. Kalliokoski P, et al. **IARC Sci Publ** 1990;(104):390-6 (29 ref.)

Definition of exposure in epidemiological studies on foundry workers. Simonato L. **IARC Sci Publ** 1990;(104):368-74 (13 ref.)

Analytical isotachophoresis in biological monitoring of exposure to industrial chemicals. Sollenberg J. **J Chromatogr** 1991 Jun 7;545(2):369-74 (19 ref.)

The safety of low melting point bismuth/lead alloys: a review. Glasgow GP. **Med Dosim** 1991 Mar;16(1):13-8 (13 ref.)

Rare earth deposits in a deceased movie projectionist. A new case of rare earth pneumoconiosis? Waring PM, et al. **Med J Aust** 1990 Dec 3-17;153(11-12):726-30 (24 ref.)

Leukaemia and paternal radiation exposure. Watson GM. **Med J Aust** 1991 Apr 1;154(7):483-7 (23 ref.)

HIV infection. Managing exposure risks for the obstetrician/gynecologist. Crombleholme WR. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):627-36 (18 ref.)

Job-exposure matrices in epidemiologic research and medical surveillance. Coughlin SS, et al. **Occup Med** 1990 Jul-Sep; 5(3):633-46 (50 ref.)

Role of industrial hygiene in medical surveillance. Robinson ST. **Occup Med** 1990 Jul-Sep;5(3):469-78 (6 ref.)

Occupational hearing conservation. Osguthorpe JD, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):403-14 (26 ref.)

Human solvent exposure. Factors influencing the pharmacokinetics and acute toxicity. Baelum J. **Pharmacol Toxicol** 1991;68 Suppl 1:1-36 (226 ref.)

Recent approaches to retrospective exposure assessment in occupational cancer epidemiology. Gérin M. **Recent Results Cancer Res** 1990;120:39-49 (21 ref.)

Discovering occupational carcinogens in population-based case-control studies: review of findings from an exposure-based approach and a methodologic comparison of alternative data collection strategies. Siemiatycki J. **Recent Results Cancer Res** 1990;120:25-38 (18 ref.)

Cancer risks due to exposure to electromagnetic fields. Thériault G. **Recent Results Cancer Res** 1990;120:166-80 (48 ref.)

Acute toxicology of components of vegetation smoke. Dost FN. **Rev Environ Contam Toxicol** 1991;119:1-46 (122 ref.)

AIDS and the gastroenterologist. Cello JP. **Scand J Gastroenterol Suppl** 1990;175:146-58 (34 ref.)

Long-term health effects of aldrin and dieldrin. A study of exposure, health effects and mortality of workers engaged in the manufacture and formulation of the insecticides aldrin and dieldrin. de Jong G. **Toxicol Lett** 1991 Apr; Suppl:1-206 (209 ref.)

[Health surveillance of workers exposed to lead in the County of Arhus] Rasmussen K, et al. **Ugeskr Laeger** 1991 Apr 1;153(14):975-8 (14 ref.) (Eng. Abstr.) **(Dan)**

[Alveolar proteinosis and occupational exposure] Chariot P, et al. **Ann Med Interne (Paris)** 1991;142(3):197-202 (65 ref.) **(Fre)**

[Medical examination of the workers occupationally exposed to ionizing radiation] Kato T. **Rinsho Byori** 1991 Apr; 39(4):333-7 (11 ref.) (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Parental occupational exposures and risk of childhood cancer: a review. O'Leary LM, et al. **Am J Ind Med** 1991; 20(1):17-35 (49 ref.)

Implanted medical devices in workers exposed to radio-frequency radiation. Hocking B, et al. **Scand J Work Environ Health** 1991 Feb;17(1):1-6 (9 ref.)

[The use of 1,1,1-trichloroethane (methylchloroform) in industrial operations: the neurotoxicity risk] Fernicola C, et al. **Med Lav** 1991 Jan-Feb;82(1):38-49 (37 ref.) (Eng. Abstr.) **(Ita)**

[Hygienic problems with the use of artificial sources of optical radiation in agriculture (a review of the literature)] Gvozdenko LA, et al. **Vrach Delo** 1991 Mar;(3):56-60 (46 ref.) **(Rus)**

LEGISLATION & JURISPRUDENCE

Occupational implications of the chlorofluorocarbon ban in Sweden. Olander L, et al. **Am J Ind Med** 1991;19(6):818-26 (34 ref.)

Technological, economic, and political feasibility in OSHA's Air Contaminants Standard [see comments] Robinson JC, et al. **J Health Polit Policy Law** 1991 Spring;16(1):1-18 (20 ref.) Comment in: J Health Polit Policy Law 1991 Spring;16(1):19-24.

Regulation of occupational carcinogens under OSHA's Air Contaminants Standard. Paxman DG, et al. **Regul Toxicol Pharmacol** 1990 Dec;12(3 Pt 1):296-308 (25 ref.)

STANDARDS

Radiofrequency/microwave protection guides. Petersen RC. **Health Phys** 1991 Jul;61(1):59-67 (11 ref.)

OCCUPATIONAL HEALTH

Occupational health research in the process of

industrialization in China. He FS. **Ann N Y Acad Sci** 1990; 610:157–66 (10 ref.)
Smoking control at the workplace. Fielding JE. **Annu Rev Public Health** 1991;12:209–34 (94 ref.)
Occupational health and safety regulation in the coal mining industry: public health at the workplace. Weeks JL. **Annu Rev Public Health** 1991;12:195–207 (21 ref.)
ABC of antenatal care. Work in pregnancy. Chamberlain G. **BMJ** 1991 May 4;302(6784):1070–3 (1 ref.)
Clinical management when the environment can be changed. Reed CE. **Chest** 1990 Nov;98(5 Suppl):216S–219S (12 ref.)
Current issues in seamen's labour intensity (a review of Soviet literature). Netudykhatka OY. **J Hyg Epidemiol Microbiol Immunol** 1990;34(3):261–6 (38 ref.)
Ethnic/racial populations and worksite health promotion. Aguirre-Molina M, et al. **Occup Med** 1990 Oct–Dec; 5(4):789–806 (49 ref.)
Design features of a biotechnology laboratory environment. Baum JS. **Occup Med** 1991 Apr–Jun;6(2):227–54 (48 ref.)
Debunking the myth of individual health promotion. Bellingham R. **Occup Med** 1990 Oct–Dec;5(4):665–75 (24 ref.)
The benefits of a physically active workforce: an organizational perspective. Boyer ML, et al. **Occup Med** 1990 Oct–Dec;5(4):691–706 (98 ref.)
The aging workforce: implications for organizations. Campanelli L. **Occup Med** 1990 Oct–Dec;5(4):817–26 (15 ref.)
Preventing substance abuse as an integral part of worksite health promotion. Cook RF, et al. **Occup Med** 1990 Oct–Dec;5(4):725–38 (33 ref.)
Chemical hazards in the biotechnology industry. Ducatman AM, et al. **Occup Med** 1991 Apr–Jun;6(2):193–208 (50 ref.)
Promoting mental health at the workplace: the prevention side of stress management. Elkin AJ, et al. **Occup Med** 1990 Oct–Dec;5(4):739–54 (55 ref.)
Radiation safety in biological research laboratories. Galanek MS. **Occup Med** 1991 Apr–Jun;6(2):255–69 (15 ref.)
Agricultural biotechnology: occupational health and regulatory issues. Glass DJ. **Occup Med** 1991 Apr–Jun; 6(2):301–10 (19 ref.)
Medical surveillance in the biotechnology industry. Goldman RH. **Occup Med** 1991 Apr–Jun;6(2):209–25 (69 ref.)
Reducing the risk of cancer through worksite intervention. Heimendinger J, et al. **Occup Med** 1990 Oct–Dec; 5(4):707–23 (76 ref.)
The role of industrial hygiene in preventing occupational lung disease. Hinds WC. **Occup Med** 1991 Jan–Mar; 6(1):29–42 (32 ref.)
An organizational perspective on worksite health promotion. Jacobson MI, et al. **Occup Med** 1990 Oct–Dec;5(4):653–64 (8 ref.)
Is it worth it? Evaluating the economic impact of worksite health promotion. Katz PP, et al. **Occup Med** 1990 Oct–Dec;5(4):837–50 (34 ref.)
Rhythmic variations in medical monitoring tests. LaDou J. **Occup Med** 1990 Jul–Sep;5(3):479–89 (17 ref.)
Containment considerations for the biotechnology industry. Liberman DF, et al. **Occup Med** 1991 Apr–Jun;6(2):271–83 (17 ref.)
Physical hazards from start-up to manufacturing. Liffers M. **Occup Med** 1991 Apr–Jun;6(2):183–91 (24 ref.)
Employer-sponsored health promotion: why and how to make it a family affair. McCauley MJ, et al. **Occup Med** 1990 Oct–Dec;5(4):771–87 (51 ref.)
Medical surveillance in the workplace: overview. Rempel D. **Occup Med** 1990 Jul–Sep;5(3):435–8 (8 ref.)
Biological monitoring. Rosenberg J, et al. **Occup Med** 1990 Jul–Sep;5(3):491–8 (23 ref.)
Are we there yet? Anticipating the future of worksite health promotion. Scofield M. **Occup Med** 1990 Oct–Dec; 5(4):863–75 (36 ref.)
Development of the AT&T Health Audit for measuring organizational health. Scofield ME, et al. **Occup Med** 1990 Oct–Dec;5(4):755–70 (35 ref.)
Training in biotechnology. Assuring worker safety through information and instruction. Van Houten J. **Occup Med** 1991 Apr–Jun;6(2):169–82 (18 ref.)
[Examination medicine in the industrial health—aspects of biological monitoring] Yamauchi T, et al. **Rinsho Byori** 1991 Apr;39(4):338–45 (18 ref.) (Eng. Abstr.) **(Jpn)**
[Environment, working conditions and cardiovascular diseases] Kristensen TS, et al. **Arq Bras Cardiol** 1990 Oct; 55(4):223–6 (20 ref.) **(Por)**

LEGISLATION & JURISPRUDENCE

Medical surveillance in the workplace—legal issues. Chinski A. **Occup Med** 1990 Jul–Sep;5(3):457–68 (78 ref.)
Legal issues in the delivery of worksite health promotion. Herbert DL, et al. **Occup Med** 1990 Oct–Dec;5(4):851–61 (36 ref.)

OCCUPATIONAL HEALTH SERVICES

Farmers' health and safety programs in Sweden. Höglund S. **Am J Ind Med** 1990;18(4):371–8 (4 ref.)
Farmers' occupational health care—worldwide. Höglund S. **Am J Ind Med** 1990;18(4):365–70 (4 ref.)
Workplace health promotion programs. An overview. Pencak M. **Nurs Clin North Am** 1991 Mar;26(1):233–40 (20 ref.)
Drug testing in the workplace. Osterloh J. **Occup Med** 1990 Jul–Sep;5(3):617–32 (62 ref.)

LEGISLATION & JURISPRUDENCE

Occupational health and safety regulation in the coal mining industry: public health at the workplace. Weeks JL. **Annu Rev Public Health** 1991;12:195–207 (21 ref.)

ORGANIZATION & ADMINISTRATION

Occupational health services in non-industrial settings in the US: a review. Teichman RF, et al. **Public Health Rev** 1989–90;17(1):51–68 (43 ref.)

UTILIZATION

Approaches to the measurement of effectiveness and efficiency in medical care: the use by employers of community-wide population-based patterns of care. Caper P. **J Occup Med** 1990 Dec;32(12):1191–8 (16 ref.)

OCCUPATIONAL MEDICINE

see related
OCCUPATIONAL DISEASES
OCCUPATIONAL HEALTH SERVICES
PROTECTIVE DEVICES

Competing causes of death. A review of recent trends in mortality in industrialized countries with special reference to cancer. Lopez AD. **Ann N Y Acad Sci** 1990;609:58–74; discussion 74–6 (8 ref.)
Assuring value in medical care for employees and dependents: an opportunity for occupational physicians. Buck CR Jr. **J Occup Med** 1990 Dec;32(12):1165–6 (13 ref.)
The role of the medical review officer in the workplace. Platman SR. **Md Med J** 1990 Nov;39(11):1015–8 (14 ref.)
[Free radicals in industrial medicine: their mechanisms of toxicity and biological relevance] Manno M. **Med Lav** 1990 Jul–Aug;81(4):251–61 (44 ref.) (Eng. Abstr.) **(Ita)**
[Problems with narcotics at the workplace] Knutsson A. **Lakartidningen** 1990 Oct 31;87(44):3585–6, 3591 (19 ref.) **(Swe)**

LEGISLATION & JURISPRUDENCE

Confidentiality of genetic information in the workplace. Andrews LB, et al. **Am J Law Med** 1991;17(1–2):75–108 (213 ref.)

METHODS

The structure of expert diagnostic knowledge in occupational medicine. Harber P, et al. **Am J Ind Med** 1991;19(1):109–20 (8 ref.)
Surveillance of disorders caused by occupational hazards—principles and practice: a review. Baker EL. **J R Soc Med** 1991 Jul;84(7):418–22 (14 ref.)
Computed tomographic scanning of the thorax in workers at risk of or with silicosis. Bégin R, et al. **Semin Ultrasound CT MR** 1990 Oct;11(5):380–92 (54 ref.)

STANDARDS

Implementing continuous quality improvement in occupational health programs. Belk HD. **J Occup Med** 1990 Dec;32(12):1184–8 (20 ref.)

STATISTICS & NUMERICAL DATA

[Epidemiology of pain in the lower segment of the spine (review of foreign literature)] Toroptsova NV. **Klin Med (Mosk)** 1991 Jan;69(1):26–31 (40 ref.) **(Rus)**

TRENDS

[Characteristics and improvement of working conditions in medical admission departments (review of the literature)] Borisenko NF, et al. **Gig Sanit** 1990 Dec;(12):38–42 (60 ref.) **(Rus)**

OCCUPATIONAL NOISE see **NOISE, OCCUPATIONAL**

OCCUPATIONAL SAFETY see **OCCUPATIONAL HEALTH**

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (U.S.) see **UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION**

OCCUPATIONAL THERAPY

Considerations and techniques in the treatment of persons with multiple personality disorder. Fike ML. **Am J Occup Ther** 1990 Nov;44(11):999–1007 (47 ref.)
Expressive therapy in conjunction with psychotherapy in the treatment of persons with multiple personality disorder. Higdon JF. **Am J Occup Ther** 1990 Nov;44(11):991–3 (20 ref.)
Time as a commodity: reflections and implications. Peloquin SM. **Am J Occup Ther** 1991 Feb;45(2):147–54 (26 ref.)

METHODS

The search for useful methodologies in occupational science. Carlson ME, et al. **Am J Occup Ther** 1991 Mar;45(3):235–41 (31 ref.)
Understanding and cooperation among alter and host personalities. Dawson PL. **Am J Occup Ther** 1990 Nov; 44(11):994–7 (13 ref.)
Resilience and human adaptability: who rises above adversity? 1990 Eleanor Clarke Slagle Lecture. Fine SB. **Am J Occup Ther** 1991 Jun;45(6):493–503 (76 ref.)
Art and multiple personality disorder: an expressive framework for occupational therapy. Frye B. **Am J Occup Ther** 1990 Nov;44(11):1013–22 (28 ref.)
Rigor in qualitative research: the assessment of trustworthiness. Krefting L. **Am J Occup Ther** 1991 Mar; 45(3):214–22 (22 ref.)
Application of motor learning principles in occupational therapy. Poole JL. **Am J Occup Ther** 1991 Jun;45(6):531–7 (49 ref.)
Motor learning concepts applied to activity-based intervention with adults with hemiplegia. Sabari JS. **Am J Occup Ther** 1991 Jun;45(6):523–30 (60 ref.)
Occupational therapy with patients with multiple personality disorder: personal reflections. Skinner ST. **Am J Occup Ther** 1990 Nov;44(11):1024–7 (7 ref.)
Occupational therapy in pediatric rehabilitation. Royeen CB, et al. **Pediatrician** 1990;17(4):278–82 (14 ref.)

STANDARDS

Barrier-free design: a review and critique of the occupational therapy perspective. Cooper BA, et al. **Am J Occup Ther** 1991 Apr;45(4):344–50 (26 ref.)

OCCUPATIONS

see related
HEALTH OCCUPATIONS

Cancer by industry: analysis of a population-based cancer registry with an emphasis on blue-collar workers. Hall NE, et al. **Am J Ind Med** 1991;19(2):145–59 (40 ref.)
Parental occupation and childhood cancer: review of epidemiologic studies. Savitz DA, et al. **Environ Health Perspect** 1990 Aug;88:325–37 (57 ref.)
[Occupational handicap and psychiatry] Brour S, et al. **Tunis Med** 1991 Jan;69(1):45–9 (10 ref.) (Eng. Abstr.) **(Fre)**

OCEANOGRAPHY

see related
MARINE BIOLOGY

OCHRONOSIS

PATHOLOGY

Cardiovascular ochronosis: a case report and review of the medical literature. Kenny D, et al. **Cardiology** 1990; 77(6):477–83 (19 ref.)
Hyperlipidemias, lipid storage disorders, metal storage disorders, and ochronosis. Rooney PJ. **Curr Opin Rheumatol** 1991 Feb;3(1):166–71 (61 ref.)

OCTADECENOIC ACIDS see **OLEIC ACIDS**

OCTANES

TOXICITY

Chronic nephrotoxicity of 2,2,4-trimethylpentane and other branched-chain hydrocarbons. Lock EA. **Toxicol Lett** 1990 Sep;53(1–2):75–80 (13 ref.)

OCTODON see **RODENTIA**

OCTOGENARIAN see **AGED, 80 AND OVER**

OCTOPUS

ANATOMY & HISTOLOGY

The epistellar body and what followed from its discovery. Young JZ. **Boll Soc Ital Biol Sper** 1990 Jul;66(7):607–13 (19 ref.)

OCTREOTIDE

ADMINISTRATION & DOSAGE

[The somatostatin analog SMS 201-995 in long-term treatment of vipoma] Christensen C. **Ugeskr Laeger** 1990 Dec 17;152(51):3851–3 (30 ref.) (Eng. Abstr.) **(Dan)**

ADVERSE EFFECTS

[Gastroenterological aspects of long-term treatment with octreotide] Koop H. **Z Gastroenterol** 1990 Sep;28 Suppl 2:52–4 (14 ref.) **(Ger)**

PHARMACOLOGY

[Effect of somatostatin analogue on experimental pancreatic lesions and their sequelae] Tulassay Z, et al. **Orv Hetil** 1991 Jul 28;132(30):1631–8 (31 ref.) (Eng. Abstr.) **(Hun)**

THERAPEUTIC USE

Octreotide: a long-acting somatostatin analog. Brown NJ. **Am J Med Sci** 1990 Oct;300(4):267-73 (70 ref.)
Insulin-like growth factors and their binding proteins: review of functions and clinical applications. Yeoh SI. **Ann Acad Med Singapore** 1990 Jul;19(4):497-500 (28 ref.)
Clinical review 23: The use of the long-acting somatostatin analog octreotide in the treatment of gut neuroendocrine tumors. Wynick D, et al. **J Clin Endocrinol Metab** 1991 Jul;73(1):1-3 (5 ref.)
All aboard for octreotide [editorial] **Lancet** 1990 Oct 13; 336(8720):909-11 (32 ref.)
Future medical prospects for Sandostatin. Harris AG. **Z Gastroenterol** 1990 Sep;28 Suppl 2:55-60 (109 ref.)
[The somatostatin analog SMS 201-995 in long-term treatment of vipoma] Christensen C. **Ugeskr Laeger** 1990 Dec 17;152(51):3851-3 (30 ref.) (Eng. Abstr.) **(Dan)**
[Clinical applications of octreotide in gastro-entero-pancreatic (GEP) tumors] Arnold R, et al. **Z Gastroenterol** 1990 Sep;28 Suppl 2:22-8 (55 ref.) **(Ger)**
[Possibilities of application of octreotide in surgery. 1)Treatment of gastrointestinal fistulas; 2)Prevention of complications in pancreatic surgery] Büchler M, et al. **Z Gastroenterol** 1990 Sep;28 Suppl 2:41-4 (60 ref.) **(Ger)**
[Octreotide in the treatment of peptic hemorrhages] Gyr K, et al. **Z Gastroenterol** 1990 Sep;28 Suppl 2:32-5 (21 ref.) **(Ger)**
[Drug treatment of acute esophageal varices hemorrhage using vasoactive substances (somatostatin and octreotide)] Meier R, et al. **Z Gastroenterol** 1990 Sep;28 Suppl 2:36-40 (58 ref.) **(Ger)**
[Somatostatin and octreotide in therapy of gastrointestinal diseases] Stöckmann F. **Z Gastroenterol Verh** 1991 Mar; 26:166-70 (80 ref.) **(Ger)**
[Treatment of acromegaly with octreotide, a synthetic analog of somatostatin with extended action] Arosio M, et al. **Minerva Endocrinol** 1990 Jan-Mar;15(1):29-36 (27 ref.) (Eng. Abstr.) **(Ita)**

OCULAR FIXATION see **FIXATION, OCULAR**

OCULAR HERPES SIMPLEX see **KERATITIS, DENDRITIC**

OCULAR HERPES ZOSTER VIRUS see **VARICELLA-ZOSTER VIRUS**

OCULAR HYPERTENSION

COMPLICATIONS

[Ocular hypertonia disclosed by the association of central retinal vein and cilioretinal artery occlusions] Bordat B, et al. **Bull Soc Ophtalmol Fr** 1990 May;90(5):521-4 (10 ref.) **(Fre)**

PHYSIOPATHOLOGY

The prevalence of autonomic neuropathy in the primary glaucomas. Clark CV. **Doc Ophthalmol** 1990 Apr-Jul; 74(4):277-85 (27 ref.)

PREVENTION & CONTROL

[Glaucoma screening--justified or not justified?] Sternbuch J, et al. **Klin Monatsbl Augenheilkd** 1991 Apr;198(4):277-83 (117 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

[Principles and histologic effects of the treatment of hypertension with focused high-intensity ultrasound] Valtot F, et al. **Ophtalmologie** 1990 Mar-Apr;4(2):135-7 (7 ref.) (Eng. Abstr.) **(Fre)**

OCULAR INFECTIONS see **EYE INFECTIONS**

OCULAR INFECTIONS, BACTERIAL see **EYE INFECTIONS, BACTERIAL**

OCULAR INFECTIONS, FUNGAL see **EYE INFECTIONS, FUNGAL**

OCULAR INFECTIONS, PARASITIC see **EYE INFECTIONS, PARASITIC**

OCULAR INFECTIONS, VIRAL see **EYE INFECTIONS, VIRAL**

OCULAR LARVA MIGRANS see **LARVA MIGRANS**

OCULAR MOTILITY DISORDERS

DRUG THERAPY

[Drug therapy of supranuclear eye movement disorders] Straube A, et al. **Nervenarzt** 1991 Apr;62(4):212-20 (84 ref.) **(Ger)**

ETIOLOGY

Ocular motor abnormalities from head trauma. Baker RS, et al. **Surv Ophthalmol** 1991 Jan-Feb;35(4):245-67 (211 ref.)

PHYSIOPATHOLOGY

Cerebral hemispheric smooth pursuit disorders. Sharpe JA, et al. **Acta Neurol Belg** 1991;91(2):81-96 (72 ref.)
Disorders of ocular motility [see comments] Larkin G, et al. **Br J Hosp Med** 1990 Oct;44(4):271-5 (30 ref.) Comment in: Br J Hosp Med 1991 Mar;45(3):139.
Brain stem mechanism in ocular motor function. Marx P. **Tohoku J Exp Med** 1990 Aug;161 Suppl:167-82 (23 ref.)

SURGERY

[Brown's syndrome] D'Esposito M, et al. **Ophtalmologie** 1990 Jul-Aug;4(4):363-9 (17 ref.) (Eng. Abstr.) **(Fre)**

OCULAR PROSTHESIS see **EYE, ARTIFICIAL**

OCULAR REFRACTION see **REFRACTION, OCULAR**

OCULAR TENSION see **INTRAOCULAR PRESSURE**

OCULAR TORTICOLLIS see **OCULAR MOTILITY DISORDERS**

OCULAR TOXOPLASMOSIS see **TOXOPLASMOSIS, OCULAR**

OCULOAURICULOVERTEBRAL SYNDROME see **GOLDENHAR SYNDROME**

OCULOMOTOR MUSCLES

[Anatomo-topographical features of the oblique muscles and their surgery (literature review)] Arve Alazme. **Vestn Oftalmol** 1991 Mar-Apr;107(2):70-6 (64 ref.) **(Rus)**

INNERVATION

Saccadic eye movements. Supranuclear control. Tusa RJ. **Bull Soc Belge Ophtalmol** 1989;237:67-111 (196 ref.)
[Organization and physiopathology of the oculomotor system (I). The common final efferent pathway and the saccadic system] Labandeira García JL, et al. **Neurologia** 1991 Mar; 6(3):95-102 (85 ref.) **(Spa)**

PATHOLOGY

Orbital myositis--a case report. Barnes C. **Aust N Z J Ophthalmol** 1990 Aug;18(3):251-5 (20 ref.)

PHYSIOLOGY

Ocular muscles: physiology and structure-function correlations. Ruff R, et al. **Bull Soc Belge Ophtalmol** 1989; 237:321-52 (125 ref.)
Adaptation and the ocular motor system. Zee DS. **Bull Soc Belge Ophtalmol** 1989;237:191-207 (33 ref.)

PHYSIOPATHOLOGY

Ocular myasthenia. Differences between the ocular and the generalized form of myasthenia. Schmidt D. **Bull Soc Belge Ophtalmol** 1989;237:353-80 (221 ref.)
Why are eye muscles frequently involved in myasthenia gravis? [see comments] Kaminski HJ, et al. **Neurology** 1990 Nov;40(11):1663-9 (58 ref.) Comment in: Neurology 1991 Apr;41(4):611.
[Organization and physiopathology of the oculomotor system (I). The common final efferent pathway and the saccadic system] Labandeira García JL, et al. **Neurologia** 1991 Mar; 6(3):95-102 (85 ref.) **(Spa)**

SURGERY

[Brown's syndrome] D'Esposito M, et al. **Ophtalmologie** 1990 Jul-Aug;4(4):363-9 (17 ref.) (Eng. Abstr.) **(Fre)**
[Surgical treatment of squint today. A status determination] Rüssmann W. **Fortschr Ophthalmol** 1990;87 Suppl:S155-62 (50 ref.) (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Structural organization of the extraocular muscles. Spencer RF, et al. **Rev Oculomot Res** 1988;2:33-79 (226 ref.)

OCULOMOTOR NERVE

ANATOMY & HISTOLOGY

Extraocular motor nuclei: location, morphology and afferents. Evinger C. **Rev Oculomot Res** 1988;2:81-117 (295 ref.)

PHYSIOLOGY

Present concepts of oculomotor organization. Büttner U, et al. **Rev Oculomot Res** 1988;2:3-32 (265 ref.)

PHYSIOPATHOLOGY

Studies of adaptation in human oculomotor disorders. Zee DS, et al. **Rev Oculomot Res** 1985;1:165-76 (0 ref.)

OCULOMOTOR NERVE PALSY see **OCULOMOTOR NERVE PARALYSIS**

OCULOMOTOR NERVE PARALYSIS

GENETICS

Oculofacialbulbar palsy in mother and son: review of 26 reports of familial transmission within the 'Möbius spectrum of defects'. MacDermot KD, et al. **J Med Genet** 1991 Jan; 28(1):18-26 (27 ref.)

OCULOMOTOR PARALYSIS see **OPHTHALMOPLEGIA**

OCULOMYCOSIS see **EYE INFECTIONS, FUNGAL**

OCYTOCIN see **OXYTOCIN**

ODDI'S SPHINCTER

Stenosis of the sphincter of Oddi. Moody FG, et al. **Surg Clin North Am** 1990 Dec;70(6):1341-54 (29 ref.)

PHYSIOLOGY

Innervation of the sphincter of Oddi: physiology and considerations of pharmacological intervention in biliary dyskinesia. Toouli J, et al. **Pharmacol Ther** 1991; 49(3):269-81 (116 ref.)

PHYSIOPATHOLOGY

Application of sphincter of Oddi manometry in routine clinical investigations. Lans JL, et al. **Endoscopy** 1991 May; 23(3):139-43 (14 ref.)

ODONTOBLASTS

PHYSIOLOGY

Patterned distribution of differentiating dental cells: facts and hypotheses. Ruch JV. **J Biol Buccale** 1990 Jun;18(2):91-8 (47 ref.)

ODONTOCLASTS see **OSTEOCLASTS**

ODONTOGENESIS

Cell-matrix interactions in tooth development. Thesleff I, et al. **Int J Dev Biol** 1989 Mar;33(1):91-7 (48 ref.)
The possible role of alkaline phosphatase in acellular cementum formation. Beertsen W, et al. **J Biol Buccale** 1990 Sep;18(3):203-5 (10 ref.)

GENETICS

Molecular determinants of tooth development: a review. Slavkin HC. **Crit Rev Oral Biol Med** 1990;1(1):1-16 (115 ref.)
Collagen gene expression and tooth development. An overview. Andujar MB, et al. **J Biol Buccale** 1990 Jun; 18(2):117-22 (51 ref.)

PHYSIOLOGY

Patterned distribution of differentiating dental cells: facts and hypotheses. Ruch JV. **J Biol Buccale** 1990 Jun;18(2):91-8 (47 ref.)
Molecular changes during determination and differentiation of the dental mesenchymal cell lineage. Thesleff I, et al. **J Biol Buccale** 1990 Sep;18(3):179-88 (61 ref.)

ODONTOGENIC CYSTS

Mucoepidermoid odontogenic cyst. Sadeghi EM, et al. **Int J Oral Maxillofac Surg** 1991 Jun;20(3):142-3 (4 ref.)

PATHOLOGY

The central (intraosseous) calcifying odontogenic cyst: an analysis of 215 cases. Buchner A. **J Oral Maxillofac Surg** 1991 Apr;49(4):330-9 (78 ref.)
Glandular odontogenic cyst: clinicopathologic analysis of three cases. Patron M, et al. **Oral Surg Oral Med Oral Pathol** 1991 Jul;72(1):71-4 (4 ref.)

SURGERY

Recurrence of an odontogenic keratocyst in a bone graft. Report of a case. DeGould MD, et al. **Int J Oral Maxillofac Surg** 1991 Feb;20(1):9-11 (18 ref.)

ODONTOGENIC TUMORS

Squamous odontogenic tumor. Review of the literature and case report. Schwartz-Arad D, et al. **Int J Oral Maxillofac Surg** 1990 Dec;19(6):327-30 (29 ref.)
Adenomatoid odontogenic tumor: biologic profile based on 499 cases. Philipsen HP, et al. **J Oral Pathol Med** 1991 Apr;20(4):149-58 (59 ref.)
[Odontogenic myxoma of the ascending mandibular ramus. Bibliographic review and report of a clinical case] Sánchez-Torres J, et al. **Gac Med Mex** 1990 Sep-Oct; 126(5):405-11 (12 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Primary intraosseous carcinoma of the jaws. Three new cases and a review of the literature. To EH, et al.

Br J Oral Maxillofac Surg 1991 Feb;29(1):19–25 (25 ref.)

EPIDEMIOLOGY

Odontogenic tumours. A series of 409 cases. Günhan O, et al. **Aust Dent J** 1990 Dec;35(6):518–22 (19 ref.)

Adenomatoid odontogenic tumour (adenoameloblastoma)—a review. Awange DO. **East Afr Med J** 1991 Mar; 68(3):155–63 (23 ref.)

[Mixed odontogenic tumors. Studies on the significance of correlations between ameloblastic fibroma, ameloblastic fibro–odontoma and odontoma] Fabris GA, et al. **Minerva Stomatol** 1991 Mar;40(3):167–73 (12 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

The calcifying epithelial odontogenic tumor. A review of recent literature and report of a case. Pindborg JJ, et al. **APMIS Suppl** 1991;23:152–7 (22 ref.)

The combined epithelial odontogenic tumour in Malaysians. Siar CH, et al. **Br J Oral Maxillofac Surg** 1991 Apr; 29(2):106–9 (24 ref.)

The central (intraosseous) calcifying odontogenic cyst: an analysis of 215 cases. Buchner A. **J Oral Maxillofac Surg** 1991 Apr;49(4):330–9 (78 ref.)

Central odontogenic fibroma: clinicopathologic features of 19 cases and review of the literature. Handlers JP, et al. **J Oral Maxillofac Surg** 1991 Jan;49(1):46–54 (14 ref.)

Peripheral (extraosseous) calcifying odontogenic cyst. A review of forty-five cases. Buchner A, et al. **Oral Surg Oral Med Oral Pathol** 1991 Jul;72(1):65–70 (28 ref.)

Plexiform granular cell odontogenic tumor: unicystic variant. Siar CH, et al. **Oral Surg Oral Med Oral Pathol** 1991 Jul; 72(1):82–5 (10 ref.)

[The histopathological aspects of the calcifying odontogenic cyst] Piattelli A, et al. **Minerva Stomatol** 1990 Nov; 39(11):959–64 (27 ref.) (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Benign cementoblastoma: review of the literature and report of a case at an unusual location. Piattelli A, et al. **Acta Stomatol Belg** 1990 Sep;87(3):209–15 (31 ref.)

Ameloblastic odontoma (odonto–ameloblastoma). Kaugars GE, et al. **Oral Surg Oral Med Oral Pathol** 1991 Mar; 71(3):371–3 (12 ref.)

ODONTOID PROCESS

Traumatic atlantoaxial dislocation without fracture of the odontoid. Wong DA, et al. **Spine** 1991 May;16(5):587–9 (5 ref.)

ABNORMALITIES

Atlantoaxial anomalies with particular emphasis on os odontoideum. Vickers ED. **J Manipulative Physiol Ther** 1990 Oct;13(8):471–6 (41 ref.)

INJURIES

[Ventral direct screw fixation in dens fractures] Aebi M, et al. **Orthopade** 1991 Apr;20(2):147–53 (33 ref.) (Eng. Abstr.) **(Ger)**

[Ventral approaches to the upper cervical spine] Crockard HA. **Orthopade** 1991 Apr;20(2):140–6 (25 ref.) (Eng. Abstr.) **(Ger)**

ODONTOMA

EPIDEMIOLOGY

[Mixed odontogenic tumors. Studies on the significance of correlations between ameloblastic fibroma, ameloblastic fibro–odontoma and odontoma] Fabris GA, et al. **Minerva Stomatol** 1991 Mar;40(3):167–73 (12 ref.) (Eng. Abstr.) **(Ita)**

ODORS

see related SMELL

The sensory physiology of host-seeking behavior in mosquitoes. Bowen MF. **Annu Rev Entomol** 1991;36:139–58 (96 ref.)

Speculating about pyrazines. Woolfson A, et al. **Proc R Soc Lond [Biol]** 1990 Nov 22;242(1304):113–9 (54 ref.)

Contributions of topography and parallel processing to odor coding in the vertebrate olfactory pathway. Kauer JS. **Trends Neurosci** 1991 Feb;14(2):79–85 (54 ref.)

ANALYSIS

Complex sensor systems: odour detection by the sense of smell and by electronic noses. Dodd G, et al. **Biochem Soc Trans** 1991 Feb;19(1):36–9 (16 ref.)

OEDIPUS COMPLEX

[Separation—aloneness—departure as steps in female development from the psychoanalytic viewpoint] Boothe B. **Z Psychosom Med Psychoanal** 1990;36(4):316–31 (35 ref.) (Eng. Abstr.) **(Ger)**

[The "daughterly" existence. Unanswered questions about the female Oedipus complex] Rohde-Dachser C. **Z Psychosom Med Psychoanal** 1990;36(4):303–15 (40 ref.) (Eng. Abstr.) **(Ger)**

OFFICE SURGERY see **AMBULATORY SURGERY**

OFFICE VISITS

Trauma to elbows, knees, and ankles. Hodge D 3d, et al. **Pediatr Emerg Care** 1991 Jun;7(3):188–94 (8 ref.)

Office dermatologic surgery and laser therapy. Roenigk RK. **Postgrad Med** 1991 Aug;90(2):209–15 (23 ref.)

UTILIZATION

Workload and job satisfaction among general practitioners: a review of the literature. Groenewegen PP, et al. **Soc Sci Med** 1991;32(10):1111–9 (49 ref.)

OFLOXACIN

PHARMACOKINETICS

Ofloxacin concentrations in tissues involved in respiratory tract infections. Perea EJ. **J Antimicrob Chemother** 1990 Nov;26 Suppl D:55–60 (21 ref.)

[Serum pharmacokinetics and in vitro antibacterial activity of pefloxacin, ofloxacin and ciprofloxacin] Nordmann P, et al. **Presse Med** 1990 Sep 1–8;19(28):1321–5 (43 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOLOGY

Ofloxacin, a bactericidal antibacterial. Smith JT. **Chemotherapy** 1991;37 Suppl 1:2–13 (79 ref.)

Ofloxacin and the gastrointestinal tract: a potential role in the treatment of bacterial enteritis. Lang R, et al. **J Antimicrob Chemother** 1990 Nov;26 Suppl D:45–53 (24 ref.)

THERAPEUTIC USE

The clinical experience with ofloxacin in the treatment of sexually transmitted diseases. Corrado ML. **Am J Obstet Gynecol** 1991 May;164(5 Pt 2):1396–9 (34 ref.)

Worldwide clinical experience with ofloxacin in urologic cases. Corrado ML. **Urology** 1991;37(3 Suppl):28–32 (79 ref.)

[Treatment of legionellosis with ofloxacin in kidney transplanted patients. Lack of interaction with cyclosporin A] Wynckel A, et al. **Presse Med** 1991 Feb 23;20(7):291–3 (11 ref.) (Eng. Abstr.) **(Fre)**

OGILVIE DISEASE see **COLONIC PSEUDO-OBSTRUCTION**

OIL OF CLOVES see **EUGENOL**

OILS

POISONING

[Acute poisoning caused by wood preservatives from the viewpoint of the Berlin (East) Central Toxicologic Information service] Liebenow H, et al. **Z Arztl Fortbild (Jena)** 1991 Apr 25;85(8):385–8 (12 ref.) **(Ger)**

OILS, PLANT see **PLANT OILS**

OILS, VEGETABLE see **PLANT OILS**

OINTMENTS

PHARMACOKINETICS

[Bioavailability of drugs applied to the eye externally] Sieradzki E. **Klin Oczna** 1991 Jan;93(1):34–6 (8 ref.) (Eng. Abstr.) **(Pol)**

OK-432 see **PICIBANIL**

OLD AGE HOMES see **HOMES FOR THE AGED**

OLDEST OLD see **AGED, 80 AND OVER**

OLEFINS see **ALKENES**

OLEIC ACIDS

PHARMACOLOGY

Oleic acid stimulation of apolipoprotein B secretion. **Nutr Rev** 1990 Nov;48(11):419–21 (10 ref.)

OLFACTION see **SMELL**

OLFACTORY BULB

ANATOMY & HISTOLOGY

[New morphologic principles of the physiology of smell and taste] Andres KH. **Arch Otorhinolaryngol** 1975;210(1):1–41 (31 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Central processing of olfaction. Scott JW. **J Steroid Biochem Mol Biol** 1991 Oct;39(4B):593–600 (40 ref.)

[Physiology of smell and taste] von Baumgarten R. **Arch Otorhinolaryngol** 1975;210(1):43–65 (45 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Evaluating function and disorders of smell] Herberhold C. **Arch Otorhinolaryngol** 1975;210(1):67–164 (540 ref.) (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Glial influences on axonal growth in the primary olfactory system. Doucette R. **GLIA** 1990;3(6):433–49 (122 ref.)

OLFACTORY MUCOSA

INNERVATION

[New morphologic principles of the physiology of smell and taste] Andres KH. **Arch Otorhinolaryngol** 1975;210(1):1–41 (31 ref.) (Eng. Abstr.) **(Ger)**

[Physiology of smell and taste] von Baumgarten R. **Arch Otorhinolaryngol** 1975;210(1):43–65 (45 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Complex sensor systems: odour detection by the sense of smell and by electronic noses. Dodd G, et al. **Biochem Soc Trans** 1991 Feb;19(1):36–9 (16 ref.)

OLFACTORY NERVE

PATHOLOGY

[Clinical pathology of olfactory neurinomas in the light of current literature] Loba E, et al. **Otolaryngol Pol** 1990; 44(1):43–8 (22 ref.) (Eng. Abstr.) **(Pol)**

OLFACTORY PATHWAYS

CHEMISTRY

Migration of LHRH-immunoreactive neurons from the olfactory placode rationalizes olfacto-hormonal relationships. Schwanzel-Fukuda M, et al. **J Steroid Biochem Mol Biol** 1991 Oct;39(4B):565–72 (59 ref.)

DRUG EFFECTS

Toward a pharmacology of odor receptors and the processing of odor images. Shepherd GM, et al. **J Steroid Biochem Mol Biol** 1991 Oct;39(4B):583–92 (53 ref.)

PHYSIOLOGY

Molecular reaction cascades in olfactory signal transduction. Breer H. **J Steroid Biochem Mol Biol** 1991 Oct; 39(4B):621–5 (24 ref.)

Signal transduction in olfactory neurons. Levy NS, et al. **J Steroid Biochem Mol Biol** 1991 Oct;39(4B):633–7 (12 ref.)

Sensory processing in the main and accessory olfactory systems: comparisons and contrasts. Meredith M. **J Steroid Biochem Mol Biol** 1991 Oct;39(4B):601–14 (125 ref.)

Consequences of removing the vomeronasal organ. Wysocki CJ, et al. **J Steroid Biochem Mol Biol** 1991 Oct; 39(4B):661–9 (51 ref.)

Contributions of topography and parallel processing to odor coding in the vertebrate olfactory pathway. Kauer JS. **Trends Neurosci** 1991 Feb;14(2):79–85 (54 ref.)

PHYSIOPATHOLOGY

[Evaluating function and disorders of smell] Herberhold C. **Arch Otorhinolaryngol** 1975;210(1):67–164 (540 ref.) (Eng. Abstr.) **(Ger)**

2',5'-OLIGOADENYLATE POLYMERASE see **2',5'-OLIGOADENYLATE SYNTHETASE**

2',5'-OLIGOADENYLATE SYNTHETASE

PHYSIOLOGY

Antiviral actions of interferon. Interferon-regulated cellular proteins and their surprisingly selective antiviral activities. Samuel CE. **Virology** 1991 Jul;183(1):1–11 (95 ref.)

OLIGODENDROCYTES see **OLIGODENDROGLIA**

OLIGODENDROGLIA

CHEMISTRY

[Identification of cells of the central nervous system using cell-specific markers] Hewicker M, et al. **Tierarztl Prax**

1991 Jun;19(3):241–6 (20 ref.) (Eng. Abstr.) **(Ger)**

CYTOLOGY

Points of controversy in the O–2A lineage: clocks and type–2 astrocytes. Noble M. **GLIA** 1991;4(2):157–64 (71 ref.)
Division of astroblasts and oligodendroblasts in postnatal rodent brain: evidence for separate astrocyte and oligodendrocyte lineages. Skoff RP, et al. **GLIA** 1991; 4(2):165–74 (45 ref.)
The complex relationship between cell division and the control of differentiation in oligodendrocyte–type–2 astrocyte progenitor cells isolated from perinatal and adult rat optic nerves. Noble M, et al.
Prog Growth Factor Res 1989;1(3):179–94 (42 ref.)

ENZYMOLOGY

2',3'-cyclic nucleotide 3'-phosphodiesterase has characteristics of cytoskeletal proteins. A hypothesis for its function. Braun PE, et al. **Ann N Y Acad Sci** 1990; 605:55–65 (30 ref.)

PHYSIOLOGY

Glycolipids and transmembrane signaling in oligodendroglia. Benjamins JA, et al. **Ann N Y Acad Sci** 1990;605:90–100 (41 ref.)
Developmental and hormonal regulation of gene expression in oligodendrocytes. de Vellis J. **Ann N Y Acad Sci** 1990; 605:81–9 (26 ref.)
The origin of remyelinating cells in the adult central nervous system: the role of the mature oligodendrocyte. Wood PM, et al. **GLIA** 1991;4(2):225–32 (38 ref.)
The pathogenesis of demyelinating disease: insights from cell biology. Compston A, et al. **Trends Neurosci** 1991 May; 14(5):175–82 (53 ref.)
[Myelin and oligodendrocytes: recent data] Lubetzki C, et al. **Rev Neurol (Paris)** 1990;146(11):645–54 (51 ref.) (Eng. Abstr.) **(Fre)**

TRANSPLANTATION

What have we learned about the jimpy phenotype expression by intracerebral transplantations? Lachapelle F, et al.
Ann N Y Acad Sci 1990;605:332–45 (43 ref.)

OLIGODEOXYRIBONUCLEOTIDE PROBES see **OLIGONUCLEOTIDE PROBES**

OLIGODEOXYRIBONUCLEOTIDES

Site–specifically alkylated oligodeoxynucleotides: probes for mutagenesis, DNA repair and the structural effects of DNA damage. Basu AK, et al. **Mutat Res** 1990 Nov–Dec; 233(1–2):189–201 (85 ref.)

OLIGODEOXYRIBONUCLEOTIDES, ANTISENSE see **OLIGONUCLEOTIDES, ANTISENSE**

OLIGOHYDRAMNIOS

Amniotic fluid volume assessment: oligohydramnios. Smith CV. **Nebr Med J** 1991 Jan;76(1):14–5 (8 ref.)

ETIOLOGY

Oligohydramnios: a review. Peipert JF, et al.
Obstet Gynecol Surv 1991 Jun;46(6):325–39 (158 ref.)

OLIGONUCLEOTIDE–DIRECTED MUTAGENESIS see **MUTAGENESIS, SITE–DIRECTED**

OLIGONUCLEOTIDE PROBES

see related
NUCLEIC ACID HYBRIDIZATION

Oligonucleotide fingerprinting using simple repeat motifs: a convenient, ubiquitously applicable method to detect hypervariability for multiple purposes. Epplen JT, et al. **Experientia Suppl** 1991;58:50–69 (60 ref.)
DNA fingerprinting of eukaryote genomes by synthetic oligodeoxyribonucleotide probes. Ali S, et al.
Indian J Biochem Biophys 1991 Feb;28(1):1–9 (57 ref.)
[Oligo– and polynucleotide probes. A molecular hybridization method] Badashkeeva AG, et al.
Mol Biol (Mosk) 1991 Mar–Apr;25(2):309–24 (79 ref.) (Eng. Abstr.) **(Rus)**

OLIGONUCLEOTIDES

CHEMICAL SYNTHESIS

Conjugates of oligonucleotides and modified oligonucleotides: a review of their synthesis and properties. Goodchild J. **Bioconjug Chem** 1990 May–Jun;1(3):165–87 (334 ref.)

CHEMISTRY

Constituents of nucleic acids: overview and strategy. McCloskey JA. **Methods Enzymol** 1990;193:771–81 (56 ref.)

METABOLISM

DNA–protein interactions: the use of synthetic oligo– and polynucleotides for studying single–stranded–DNA–binding proteins and restriction endonucleases. Gromova ES, et al.
Prog Nucleic Acid Res Mol Biol 1990;39:1–47 (71 ref.)

OLIGONUCLEOTIDES, ANTISENSE

Sense and antisense oligonucleotides. Ross DW.
Arch Pathol Lab Med 1990 Dec;114(12):1296 (2 ref.)
[Antisense oligonucleotides: tools of molecular genetics and therapeutic agents] Toulmé JJ, et al.
Ann Parasitol Hum Comp 1990;65 Suppl 1:11–4 (19 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOLOGY

Innovations in the use of antisense oligonucleotides. Zon G.
Ann N Y Acad Sci 1990;616:161–72 (72 ref.)
Inhibition of protooncogene expression by antisense oligodeoxynucleotides: biological and therapeutic implications. Calabretta B. **Cancer Res** 1991 Sep 1; 51(17):4505–10 (60 ref.)
[Mechanism for suppression mRNA translation with antisense oligonucleotides] Vlasov VV, et al. **Mol Biol (Mosk)** 1990 Sep–Oct;24(5):1157–61 (19 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Antisense and antiviral therapy. Sherman MI.
Ann N Y Acad Sci 1990;616:201–4 (11 ref.)
A potential role for antisense oligonucleotide analogues in the development of oncogene targeted cancer chemotherapy. Tidd DM. **Anticancer Res** 1990 Sep–Oct; 10(5A):1169–82 (129 ref.)

OLIGOPEPTIDES

ANALYSIS

Disintegrins: a family of integrin inhibitory proteins from viper venoms. Gould RJ, et al. **Proc Soc Exp Biol Med** 1990 Nov;195(2):168–71 (32 ref.)

CHEMISTRY

Selective excitation techniques for water suppression in one– and two–dimensional NMR spectroscopy. Sklenár V.
Basic Life Sci 1990;56:63–84 (48 ref.)
[Use of mass spectrometry for the analysis of protein sequence] Hetper J, et al. **Postepy Biochem** 1989; 35(4):609–21 (28 ref.) **(Pol)**

IMMUNOLOGY

Towards antiviral oligopeptide vaccines. Niesters HG, et al.
Microbiol Sci 1984 Jun;1(3):55–8 (17 ref.)

METABOLISM

Thermolysin: a peptide forming enzyme. Reddy AV.
Indian J Biochem Biophys 1991 Feb;28(1):10–5 (79 ref.)

PHARMACOLOGY

Inhibition of phospholipase A2 by uteroglobin and antiflammin peptides. Miele L, et al. **Adv Exp Med Biol** 1990;279:137–60 (88 ref.)
The use of haemoregulatory peptides (pEEDCK monomer and dimer) for reduction of cytostatic drug induced haemopoietic damage. Paukovits WR, et al.
Cancer Treat Rev 1990 Sep;17(2–3):347–54 (13 ref.)
Peptide inhibition of myointimal proliferation by angiopeptin, a somatostatin analogue. Lundergan CF, et al.
J Am Coll Cardiol 1991 May;17(6 Suppl B):132B–136B (40 ref.)
Proteinase inhibition, immunoglobulin–binding proteins and a novel antimicrobial principle. Björck L.
Mol Microbiol 1990 Sep;4(9):1439–42 (19 ref.)

PHYSIOLOGY

[Endogenous digitalis–like substances and cardiac glycosides: facts and hypotheses] Mikhaĭlov IB. **Farmakol Toksikol** 1990 Sep–Oct;53(5):75–8 (68 ref.) (Eng. Abstr.) **(Rus)**

OLIGORIBONUCLEOTIDE PROBES see **OLIGONUCLEOTIDE PROBES**

OLIGORIBONUCLEOTIDES, ANTISENSE see **OLIGONUCLEOTIDES, ANTISENSE**

OLIGOSACCHARIDES

Oligosaccharides, just the icing on the protein or are they of functional relevance? Axford JS, et al.
Br J Rheumatol 1991 Jun;30(3):196–9 (35 ref.)

CHEMICAL SYNTHESIS

Chemical synthesis of glycosaminoglycans: new approaches to antithrombotic drugs. Petitou M, et al. **Nature** 1991 Apr 18;350(6319 Suppl):30–3 (39 ref.)

CHEMISTRY

Immobilization of glycoconjugates by their oligosaccharides: use of hydrazido–derivatized matrices. O'Shannessy DJ, et al. **Anal Biochem** 1990 Nov 15;191(1):1–8 (82 ref.)
Determination of complex carbohydrate structure using carbonyl carbon resonances of peracetylated derivatives. Goux WJ. **Basic Life Sci** 1990;56:47–62 (30 ref.)
Applications of 2D NMR spectroscopy to carbohydrates. Lerner L. **Basic Life Sci** 1990;56:17–25 (37 ref.)
Protein glycosylation: function and factors that regulate oligosaccharide structure. Welply JK. **Biotechnology** 1991; 17:59–72 (46 ref.)
Glycoconjugates: overview and strategy. Laine RA.
Methods Enzymol 1990;193:539–53 (54 ref.)
Oligosaccharide chains of glycoproteins. Pan YT, et al.
Prog Drug Res 1990;34:163–207 (151 ref.)
[The role of phospho–oligosaccharides as secondary mediators in the action of insulin] Mitev V, et al.
Eksp Med Morfol 1990;29(3):61–7 (16 ref.) **(Bul)**

METABOLISM

Carbohydrate differentiation antigens: probable ligands for cell adhesion molecules [published erratum appears in Trends Biochem Sci 1991 May;16(5):172] Feizi T.
Trends Biochem Sci 1991 Mar;16(3):84–6 (33 ref.)

PHARMACOLOGY

The effects of undigestible fructooligosaccharides on intestinal microflora and various physiological functions on human health. Hidaka H, et al. **Adv Exp Med Biol** 1990; 270:105–17 (12 ref.)

OLIGOSPERMIA

ETIOLOGY

[Surface antigens of male germ cells—their identification and functional analysis] Kurpisz M. **Postepy Hig Med Dosw** 1990;44(1–3):1–19 (85 ref.) (Eng. Abstr.) **(Pol)**

VETERINARY

Clinical approach for evaluating dogs with azoospermia or aspermia. Olson PN.
Vet Clin North Am Small Anim Pract 1991 May; 21(3):591–608 (54 ref.)

OLIGURIA

PREVENTION & CONTROL

Is postoperative oliguria avoidable? Sweny P.
Br J Anaesth 1991 Aug;67(2):137–45 (45 ref.)

OLIVARY NUCLEUS

ANATOMY & HISTOLOGY

Topographical localisation in the projections from the inferior olive to the paravermal cortex of the anterior lobe and paramedian lobule in the cerebellum of the cat. A brief review. Armstrong DM. **Arch Ital Biol** 1990 Jul; 128(2–4):183–207 (65 ref.)

GROWTH & DEVELOPMENT

Early development of the rat precerebellar system: migratory routes, selective aggregation and neuritic differentiation of the inferior olive and lateral reticular nucleus neurons. An overview. Bourrat F, et al. **Arch Ital Biol** 1990 Jul; 128(2–4):151–70 (43 ref.)

PHYSIOLOGY

Corticospinal, rubrospinal and rubro–olivary projections: a unifying hypothesis [published erratum appears in Trends Neurosci 1991 Jan;14(1):13] Kennedy PR.
Trends Neurosci 1990 Dec;13(12):474–9 (52 ref.)

OLLIER'S DISEASE see **ENCHONDROMATOSIS**

OMEGA–3 FATTY ACIDS see **FATTY ACIDS, OMEGA–3**

OMEGA PROTEINS see **DNA UNTWISTING PROTEINS**

OMENTUM

Benign teratoma of the omentum and ovary coexistent with an ovarian neoplasm. Smith R, et al. **Gynecol Oncol** 1990 Nov;39(2):204–7 (5 ref.)
The etiology and clinical significance of pseudoascites. Fiedorek SC, et al. **J Gen Intern Med** 1991 Jan–Feb; 6(1):77–80 (43 ref.)
Primary solid neoplasms of the greater omentum. Schwartz RW, et al. **Surgery** 1991 Apr;109(4):543–9 (15 ref.)

BLOOD SUPPLY

[Idiopathic segmental infarction of the greater omentum] Coppo B, et al. **J Chir (Paris)** 1991 Apr;128(4):204–6 (21 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[Primary torsion of the greater omentum. Apropos of a case and review of the literature] Scepi M, et al.
J Chir (Paris) 1991 Feb;128(2):89–90 (9 ref.) (Eng. Abstr.) **(Fre)**
[Use of the greater omentum in thoracic surgery] Levashev IuN, et al. **Grud Serdechnososudistaia Khir** 1990;(10):72–4

OMENTUM

(55 ref.) (Rus)

TRANSPLANTATION

[Use of the greater omentum for reconstruction of the chest] Nikoladze GD. **Sov Med** 1991;(4):28–31 (58 ref.) (Rus)

OMEPRAZOLE

ADVERSE EFFECTS

The clinical safety of omeprazole. Sölvell L. **Digestion** 1990; 47 Suppl 1:59–63; discussion 76 (1 ref.)

Omeprazole and the induction of human cytochrome P-450: a response to concerns about potential adverse effects [letter] Parkinson A, et al. **Gastroenterology** 1991 Apr; 100(4):1157–64 (116 ref.)

PHARMACOLOGY

Drug interactions with antisecretory agents. Hansten PD. **Aliment Pharmacol Ther** 1991;5 Suppl 1:121–8 (33 ref.)

Clinical pharmacology of omeprazole. Howden CW. **Clin Pharmacokinet** 1991 Jan;20(1):38–49 (70 ref.)

Omeprazole. Gastrin and gastric endocrine cell data from clinical studies. Berlin RG. **Dig Dis Sci** 1991 Feb; 36(2):129–36 (73 ref.)

Gastrin and gastric enterochromaffin-like cell carcinoids in the rat. Carlsson E, et al. **Digestion** 1990;47 Suppl 1:17–23; discussion 49–52 (16 ref.)

Effect of omeprazole on gastric acid secretion and plasma gastrin. Olbe L, et al. **J Gastroenterol Hepatol** 1989;4 Suppl 2:19–25 (23 ref.)

Biological basis of omeprazole therapy. Sachs G, et al. **J Gastroenterol Hepatol** 1989;4 Suppl 2:7–18 (31 ref.)

THERAPEUTIC USE

Experience with omeprazole in erosive oesophagitis. Robinson MG, et al. **Aliment Pharmacol Ther** 1991;5 Suppl 1:69–77 (41 ref.)

Use of omeprazole in patients with Zollinger-Ellison syndrome. Frucht H, et al. **Dig Dis Sci** 1991 Apr; 36(4):394–404 (79 ref.)

Omeprazole. Overview and opinion. Holt S, et al. **Dig Dis Sci** 1991 Apr;36(4):385–93 (93 ref.)

Clinical development programme for omeprazole. Walan A. **Digestion** 1990;47 Suppl 1:54–8; discussion 76 (13 ref.)

The medical management of reflux esophagitis. Role of antacids and acid inhibition. Sontag SJ. **Gastroenterol Clin North Am** 1990 Sep;19(3):683–712 (104 ref.)

Clinical experience with omeprazole: assessment of efficacy and safety. Walan A. **J Gastroenterol Hepatol** 1989;4 Suppl 2:27–33 (26 ref.)

Omeprazole. Maton PN. **N Engl J Med** 1991 Apr 4; 324(14):965–75 (181 ref.)

Reflux esophagitis. Tytgat GN, et al. **Scand J Gastroenterol Suppl** 1990;175:1–12 (64 ref.)

Proton-pump inhibition for acid-related disease. Holt S. **South Med J** 1991 Sep;84(9):1078–87 (70 ref.)

[New developments in drug therapy: omeprazole] Koop H. **Z Gastroenterol Verh** 1991 Mar;26:159–61 (23 ref.) (Ger)

TOXICITY

Tests for genotoxicity: principles and findings in relation to omeprazole. Evans HJ. **Digestion** 1990;47 Suppl 1:45–8 (3 ref.)

OMP PROTEINS see **BACTERIAL OUTER MEMBRANE PROTEINS**

OMPHALOCELE see **HERNIA, UMBILICAL**

ONCHOCERCA

GROWTH & DEVELOPMENT

Onchocerciasis: a review of clinical, pathologic and chemotherapeutic aspects, and vector control program. Gibson DW, et al. **Prog Clin Parasitol** 1989;1:57–103 (199 ref.)

PHYSIOLOGY

Human onchocerciasis: notes on the history, the parasite and the life cycle. Nelson GS. **Ann Trop Med Parasitol** 1991 Feb;85(1):83–95 (109 ref.)

ONCHOCERCIASIS

IMMUNOLOGY

Regulation of the immune response in lymphatic filariasis and onchocerciasis. King CL, et al. **Immunol Today** 1991 Mar;12(3):A54–8 (50 ref.)

PARASITOLOGY

Human onchocerciasis: notes on the history, the parasite and the life cycle. Nelson GS. **Ann Trop Med Parasitol** 1991 Feb;85(1):83–95 (109 ref.)

PREVENTION & CONTROL

Onchocerciasis: a review of clinical, pathologic and chemotherapeutic aspects, and vector control program. Gibson DW, et al. **Prog Clin Parasitol** 1989;1:57–103 (199 ref.)

ONCHOCERCIASIS, OCULAR

DRUG THERAPY

The conquest of 'river blindness'. Gilles HM, et al. **Ann Trop Med Parasitol** 1991 Feb;85(1):97–101 (22 ref.)

ONCOGENE PRODUCTS

ANALYSIS

[Oncogenes and oncogene products—possibilities and significance of their detection] Höfler H. **Verh Dtsch Ges Pathol** 1990;74:319–27 (34 ref.) (Eng. Abstr.) (Ger)

BIOSYNTHESIS

[UAG suppression in animal cells—synthesis of the sponge ras protein] Kuchino Y. **Tanpakushitsu Kakusan Koso** 1991 Apr;36(5):789–97 (27 ref.) (Jpn)

GENETICS

Oncogenic proteins new targets for chemotherapeutic agents against cancer. Rey I, et al. **Fundam Clin Pharmacol** 1990; 4(4):401–22 (120 ref.)

Expression of animal and human retroviral gene products in Escherichia coli with the lambda PL promoter pJL6 vector system. Samuel KP, et al. **Genet Anal Tech Appl** 1990 Nov;7(7):178–208 (108 ref.)

Biological significance of the hst-1 gene. Terada M, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:71–80 (41 ref.)

METABOLISM

A role for isoprenoid lipids in the localization and function of an oncoprotein. Rine J, et al. **New Biol** 1990 Mar; 2(3):219–26 (42 ref.)

PHYSIOLOGY

Nuclear oncoproteins. Introduction: the great nuclear debate. Evan GI. **Semin Cancer Biol** 1990 Dec;1(6):351–8 (39 ref.)

Human papillomavirus oncoproteins. Vousden KH. **Semin Cancer Biol** 1990 Dec;1(6):415–24 (52 ref.)

[Interaction of oncogene and anti-oncogene products] Zang J, et al. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):34–7 (17 ref.) (Chi)

ONCOGENE PROTEIN P190(BCR-ABL) see **FUSION PROTEINS, BCR-ABL**

ONCOGENE PROTEIN P210(BCR-ABL) see **FUSION PROTEINS, BCR-ABL**

ONCOGENE PROTEIN P21(RAS)

The ras protein family: evolutionary tree and role of conserved amino acids. Valencia A, et al. **Biochemistry** 1991 May 14;30(19):4637–48 (95 ref.)

The ras superfamily of small GTP-binding proteins. Downward J. **Trends Biochem Sci** 1990 Dec;15(12):469–72 (34 ref.)

ANALYSIS

Oncogene proteins as biomarkers in the molecular epidemiology of occupational carcinogenesis. The example of the ras oncogene-encoded p21 protein. Brandt-Rauf PW. **Int Arch Occup Environ Health** 1991;63(1):1–8 (43 ref.)

GENETICS

Reversion and rereversion in ras-transformed cells. Marshall CJ. **Immunol Ser** 1990;51:89–106 (81 ref.)

How does p21ras transform cells? Marshall CJ. **Trends Genet** 1991 Mar;7(3):91–5 (43 ref.)

METABOLISM

The world according to GAP. McCormick F. **Oncogene** 1990 Sep;5(9):1281–3 (34 ref.)

[Control of ras proto-oncogene activity in mammalian cells (editorial)] Tocque B. **Pathol Biol (Paris)** 1991 Apr; 39(4):247–51 (54 ref.) (Fre)

PHYSIOLOGY

The role of ras gene products in second messenger generation. Wakelam MJ, et al. **Biochem Soc Symp** 1990; 56:103–16 (40 ref.)

Ras C-terminal processing enzymes—new drug targets? Gibbs JB. **Cell** 1991 Apr 5;65(1):1–4 (29 ref.)

The interplay between ras oncogenes and tumor suppressor genes in experimental carcinogenesis. Balmain A, et al. **Immunol Ser** 1990;51:75–88 (59 ref.)

ONCOGENE PROTEIN PP60(V-SRC)

METABOLISM

Cytoskeletal targets for oncogenic tyrosine kinases. Kellie S, et al. **J Cell Sci** 1991 Jun;99 (Pt 2):207–11 (70 ref.)

Membrane interactions of pp60v-src: a model for myristylated tyrosine protein kinases. Resh MD. **Oncogene** 1990 Oct;5(10):1437–44 (103 ref.)

PHYSIOLOGY

Function, location, and regulation of the src protein-tyrosine kinase. Varmus H, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:63–70 (40 ref.)

ONCOGENE PROTEIN PP60(SRC) see **ONCOGENE PROTEIN PP60(V-SRC)**

ONCOGENE PROTEINS see **ONCOGENE PRODUCTS**

ONCOGENE PROTEINS, VIRAL

BIOSYNTHESIS

HER-2/neu oncogene amplification and expression in breast and ovarian cancers. Press MF, et al. **Prog Clin Biol Res** 1990;354A:209–21 (35 ref.)

GENETICS

Role of the human papillomavirus oncoproteins in transformation and carcinogenic progression. Werness BA, et al. **Important Adv Oncol** 1991;:3–18 (190 ref.)

Region E3 of adenovirus: a cassette of genes involved in host immunosurveillance and virus-cell interactions. Wold WS, et al. **Virology** 1991 Sep;184(1):1–8 (70 ref.)

METABOLISM

Cellular proteins that are targetted by DNA tumor viruses for transformation. Dyson N, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:191–8 (53 ref.)

PHYSIOLOGY

Molecular mechanisms of transformation by the human papillomaviruses. Howley PM, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:199–206 (37 ref.)

E1a revisited: the case for multiple cooperative trans-activation domains. Braithwaite AW, et al. **New Biol** 1991 Jan;3(1):18–26 (63 ref.)

ONCOGENES

Modification of histocompatibility antigen expression in cells expressing activated oncogenes: implications for tumour development. Morris A. **Anticancer Res** 1990 Sep-Oct; 10(5A):1161–7 (54 ref.)

Oncogenes, growth factors, and autoimmune diseases (review). Sibbitt WL Jr. **Anticancer Res** 1991 Jan-Feb; 11(1):97–113 (184 ref.)

A potential role for antisense oligonucleotide analogues in the development of oncogene targeted cancer chemotherapy. Tidd DM. **Anticancer Res** 1990 Sep-Oct; 10(5A):1169–82 (129 ref.)

Genetic regulation of metastatic progression. Wright JA, et al. **Anticancer Res** 1990 Sep-Oct;10(5A):1247–55 (91 ref.)

Cancer genes in gastrointestinal malignancy. Sikora K. **Baillieres Clin Gastroenterol** 1990 Mar;4(1):135–50 (59 ref.)

Oncogenes and tumor suppressor genes involved in human lung carcinogenesis. Harris CC, et al. **Basic Life Sci** 1990; 53:363–79 (85 ref.)

Expression and interactions of human adenovirus oncoproteins. Boulanger PA, et al. **Biochem J** 1991 Apr 15;275 (Pt 2):281–99 (340 ref.)

Role of oncogenes in the regulation of MHC antigen expression. Maudsley DJ. **Biochem Soc Trans** 1991 Apr; 19(2):291–6 (34 ref.)

Transgenic models for haemopoietic malignancies. Adams JM, et al. **Biochim Biophys Acta** 1991 Apr 16;1072(1):9–31 (156 ref.)

Transcription and cancer. Cox PM, et al. **Br J Cancer** 1991 May;63(5):651–62 (167 ref.)

Recessive oncogenes, antioncogenes and tumour suppression. Mitchell CD. **Br Med Bull** 1991 Jan;47(1):136–56 (89 ref.)

Genes and cancer. Stoler AB. **Br Med Bull** 1991 Jan; 47(1):64–75 (51 ref.)

Pediatric peripheral neuroectodermal tumors, oncogenes, and differentiation. Thiele CJ. **Cancer Invest** 1990;8(6):629–39 (66 ref.)

Oncogenic mechanisms in radiation-induced cancer. Elkind MM, et al. **Cancer Res** 1991 May 15;51(10):2740–7 (0 ref.)

Steroid modulation of the expression of growth factors and oncogenes in breast cancer. McCarty KS Jr, et al. **Cancer Treat Res** 1991;53:197–220 (125 ref.)

Oncogenes and human lung cancer. Rodenhuis S. **Cancer Treat Res** 1989;45:89–106 (63 ref.)

Oncogenes as clinical prognostic indicators. Sunderland MC, et al. **Cancer Treat Res** 1991;53:3–22 (102 ref.)

Molecular themes in oncogenesis. Bishop JM. **Cell** 1991 Jan 25;64(2):235–48 (191 ref.)

Oncogenes and signal transduction [published erratum appears in Cell 1991 May 31;65(5):following 914] Cantley LC, et al. **Cell** 1991 Jan 25;64(2):281–302 (224 ref.)
Oncogenic conversion of transcription factors by chromosomal translocations. Cleary ML. **Cell** 1991 Aug 23;66(4):619–22 (25 ref.)
Cooperation between oncogenes. Hunter T. **Cell** 1991 Jan 25;64(2):249–70 (240 ref.)
Oncogenic conversion by regulatory changes in transcription factors. Lewin B. **Cell** 1991 Jan 25;64(2):303–12 (54 ref.)
Chromosomal aspects of human oncogenesis. Dal Cin P, et al. **Crit Rev Oncog** 1989;1(2):113–26 (130 ref.)
Oncogene amplification in neoplastic development and progression of human cancers. Schwab M. **Crit Rev Oncog** 1990;2(1):35–51 (129 ref.)
Molecular analysis of the ets genes and their products. Watson DK, et al. **Crit Rev Oncog** 1990;1(4):409–36 (139 ref.)
Nuclear oncogenes. Ghysdael J, et al. **Curr Opin Cell Biol** 1991 Jun;3(3):484–91 (92 ref.)
Temporal events regulating the early phases of the mammalian cell cycle. Naeve GS, et al. **Curr Opin Cell Biol** 1991 Apr;3(2):261–8 (56 ref.)
Oncogenes and clinical oncology. Miller WH Jr, et al. **Curr Opin Oncol** 1991 Feb;3(1):65–9 (30 ref.)
Oncogene and receptor expression. Höfler H. **Curr Top Pathol** 1991;83:435–56 (89 ref.)
Chromosomes, oncogenes, and neoplasia. Nowell PC. **Del Med J** 1990 Sep;62(9):1227–30 (5 ref.)
Oncogenes in growth and development. Travali S, et al. **FASEB J** 1990 Nov;4(14):3209–14 (36 ref.)
Amplification of cellular oncogenes: a predictor of clinical outcome in human cancer. Schwab M, et al. **Genes Chromosom Cancer** 1990 Jan;1(3):181–93 (94 ref.)
Oncogenes and growth factor genes in myelodysplasia. Mittelman MM, et al. **Hematol Pathol** 1991;5(1):37–41 (38 ref.)
Role of oncogenes and tumour suppressor genes in human lung carcinogenesis. Harris CC, et al. **IARC Sci Publ** 1991; (105):294–304 (70 ref.)
Use of monoclonal antibodies as probes for oncogene products. Niman HL. **Immunol Ser** 1990;53:189–204 (119 ref.)
Use of immunologic techniques in gene analysis. Turco E, et al. **Immunol Ser** 1990;53:205–22 (23 ref.)
Regulated expression of retroviruses and their oncogenes: models for tumor suppression. Wyke J, et al. **Immunol Ser** 1990;51:49–73 (56 ref.)
Genetic analysis of colorectal cancer. Bodmer WF, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:49–59 (36 ref.)
Nakahara memorial lecture. Hereditary cancer, oncogenes, and anti-oncogenes. Knudson AG Jr. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:15–29 (47 ref.)
p53 mutations: gains or losses? Michalovitz D, et al. **J Cell Biochem** 1991 Jan;45(1):22–9 (48 ref.)
Colour genes, oncogenes and melanocyte differentiation. Bennett DC. **J Cell Sci** 1991 Feb;98 (Pt 2):135–9 (40 ref.)
Stimulatory and inhibitory growth factors and breast cancer. Dickson RB. **J Steroid Biochem Mol Biol** 1990 Dec 20; 37(6):795–803 (21 ref.)
Chromosome rearrangements in oncogenesis. Nowell PC, et al. **Microbiol Sci** 1984 Dec;1(9):223–8 (47 ref.)
The genetic changes in cancer. Stubblefield E. **Mol Carcinog** 1991;4(4):257–60 (15 ref.)
Overview: genes that predispose to cancer. Knudson AG Jr. **Mutat Res** 1991 Apr;247(2):185–90 (13 ref.)
The ski oncogene. Sutrave P, et al. **Oncogene** 1991 Mar; 6(3):353–6 (13 ref.)
The structure and function of the int-2 oncogene. Dickson C, et al. **Prog Growth Factor Res** 1989;1(3):123–32 (41 ref.)
Growth factors and oncogenes in breast cancer. Gullick WJ. **Prog Growth Factor Res** 1990;2(1):1–13 (102 ref.)
AP1, a composite transcription factor implicated in abnormal growth control. Imler JL, et al. **Prog Growth Factor Res** 1989;1(2):69–77 (49 ref.)
Cancer genes: current status, future prospects, and applications in radiotherapy/oncology. Renan MJ. **Radiother Oncol** 1990 Nov;19(3):197–218 (135 ref.)
Lessons from the genetics of colon cancer. Ahnen DJ. **Scand J Gastroenterol Suppl** 1990;175:166–76 (44 ref.)
Nuclear targets for transcription regulation by oncogenes. Gutman A, et al. **Trends Genet** 1991 Feb;7(2):49–54 (41 ref.)
Oncogene involvement in lymphoid malignancy. Ngan BY, et al. **Tumour Biol** 1990;11 Suppl 1:78–93 (99 ref.)
Oncogene involvement in myelodysplasia and acute myeloid leukemia. Sheridan BL, et al. **Tumour Biol** 1990;11 Suppl 1:44–58 (124 ref.)
[Oncogenes and oncogene products—possibilities and significance of their detection] Höfler H. **Verh Dtsch Ges Pathol** 1990;74:319–27 (34 ref.) (Eng. Abstr.) **(Ger)**
[Oncogenes: a ray of light on the genesis and therapy of cancer?] Lattanzi A. **Clin Ter** 1990 Nov 30;135(4):247–66 (71 ref.) (Eng. Abstr.) **(Ita)**
[Oncogene and patient prognosis] Ito H, et al. **Gan To Kagaku Ryoho** 1991 Jun;18(7):1075–83 (53 ref.) (Eng. Abstr.) **(Jpn)**
[BCL-2 gene in lymphocytic malignancy] Seto M, et al. **Gan To Kagaku Ryoho** 1991 Jun;18(7):1106–11 (22 ref.) (Eng. Abstr.) **(Jpn)**
[Molecular aspects of proliferation and differentiation of human myeloid leukemia cell HL-60] Yamada M, et al. **Tanpakushitsu Kakusan Koso** 1991 Jan;36(1):41–53 (99 ref.) **(Jpn)**
[Oncogenes, antioncogenes and carcinogenesis] Kopnin BP. **Arkh Patol** 1990;52(9).3–11 (58 ref.) (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Macromolecular adducts and related biomarkers in biomonitoring and epidemiology of complex exposures. Perera F, et al. **IARC Sci Publ** 1990;(104):164–80 (53 ref.)
Cellular maturation and oncogene expression during drug-induced differentiation in vitro: a brief review. Biedler JL, et al. **Prog Clin Biol Res** 1990;354A:287–312 (70 ref.)
[New antineoplastic antibiotics, new analogs, modifiers of biological reactions and oncogene inhibitors] Viadro MM, et al. **Antibiot Khimioter** 1991 Feb;36(2):44–8 (61 ref.) **(Rus)**

GENETICS

Recessive oncogenes in lung cancer. Kaye FJ, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S44–7 (48 ref.)
Nobel lecture. Retroviruses and oncogenes. I. Varmus HE. **Biosci Rep** 1990 Oct;10(5):413–30 (84 ref.)
The functional psychoses—are oncogenes involved in their pathogenesis? Some speculations. Leach J. **Br J Psychiatry** 1991 Apr;158:563–8 (75 ref.)
Transforming collaborations between ras and nuclear oncogenes. Ruley HE. **Cancer Cells** 1990 Aug-Sep; 2(8–9):258–68 (106 ref.)
Follow-up study of HER-2/neu amplification in primary breast cancer. Clark GM, et al. **Cancer Res** 1991 Feb 1; 51(3):944–8 (45 ref.)
Control of human breast cancer by estrogen, growth factors, and oncogenes. Dickson RB, et al. **Cancer Treat Res** 1988; 40:119–65 (316 ref.)
Identification of oncogenes in breast tumors and their effects on growth and differentiation. Groner B, et al. **Cancer Treat Res** 1988;40:67–92 (87 ref.)
Different mechanisms are responsible for oncogene activation in human mammary neoplasia. Kraus MH, et al. **Cancer Treat Res** 1988;40:49–66 (52 ref.)
Structure and function of the pS2 gene and estrogen receptor in human breast cancer cells. Stack G, et al. **Cancer Treat Res** 1988;40:185–206 (62 ref.)
Oncogenes at viral integration sites. Peters G. **Cell Growth Differ** 1990 Oct;1(10):503–10 (135 ref.)
Oncogenes and cancer: clinical applications. Fishleder AJ. **Cleve Clin J Med** 1990 Nov-Dec;57(8):721–6 (35 ref.)
Functional requirements of c-myb during normal and leukemic hematopoiesis. Calabretta B, et al. **Crit Rev Oncog** 1991;2(3):187–94 (69 ref.)
Oncogenes: the role of DNA tumor viruses in cancer. Benchimol S. **Curr Opin Oncol** 1990 Feb;2(1):138–42 (14 ref.)
Cytogenetics and oncogenes. Williams DL. **Curr Opin Oncol** 1990 Feb;2(1):26–33 (22 ref.)
Oncogenes, growth factors, and cell signaling in mouse lung tumors: an overview. Anderson MW. **Exp Lung Res** 1991 Mar-Apr;17(2):323–5 (24 ref.)
Molecular lesions in breast cancer. Mackay J, et al. **Int J Cancer Suppl** 1990;5:47–50 (44 ref.)
The role of gene amplification in clinical resistance to chemotherapy: a review. Ferguson PJ. **J Otolaryngol** 1991 Apr;20(2):130–6 (69 ref.)
Chromosome rearrangement, oncogene activation, and other clonal events in cancer: their use in molecular diagnostics. Wiedemann LM, et al. **J Pathol** 1991 Jan;163(1):7–12 (10 ref.)
Oncogene expression and oral cancer. Pillai R, et al. **J Surg Oncol** 1991 Jun;47(2):102–8 (54 ref.)
Oncogene activation and hepatocarcinogenesis. Strom SC, et al. **Pathobiology** 1990;58(3):153–67 (82 ref.)
HER-2/neu oncogene amplification and expression in breast and ovarian cancers. Press MF, et al. **Prog Clin Biol Res** 1990;354A:209–21 (35 ref.)
The myb genes. Weston KM. **Semin Cancer Biol** 1990 Dec; 1(6):371–82 (101 ref.)
[Tumor markers, oncogenes in gynecological and breast oncology] Uyttenbroeck F, et al. **Verh K Acad Geneeskd Belg** 1990;52(4):313–51 (202 ref.) **(Dut)**
[Molecular analysis of genes involved in colorectal tumors. Markers of tumor predisposition and progression] Grandjouan S, et al. **Gastroenterol Clin Biol** 1991; 15(1):34–48 (44 ref.) **(Fre)**
[Oncogenes and tumor suppressor genes: genetic changes mark the adenoma-carcinoma sequence] Schmiegel WH. **Internist (Berl)** 1991 Jun;32(6):315–20 (55 ref.) **(Ger)**
[Oncogene research using Drosophila as a model system] Nishida Y. **Idengaku Zasshi** 1990 Jun;65(3):121–34 (4 ref.) **(Jpn)**
[The molecular function of oncogenes] Njølstad PR. **Tidsskr Nor Laegeforen** 1990 Nov 20;110(28):3632–6 (23 ref.) (Eng. Abstr.) **(Nor)**
[Oncogenes in neuro-oncology] Lalaiants IE. **Zh Vopr Neirokhir** 1990 Nov-Dec;(6):28–30 (34 ref.) **(Rus)**

IMMUNOLOGY

Growth factors and oncogenes in pancreatic cancer. Lemoine NR, et al. **Baillieres Clin Gastroenterol** 1990 Dec; 4(4):815–32 (108 ref.)
[New molecular aspects of therapy of small cell carcinoma of the lung] Rokicki W, et al. **Pol Tyg Lek** 1990 Aug 6–13; 45(32–33):680–3 (46 ref.) **(Pol)**

PHYSIOLOGY

Oncogenes and human malignancy. Wagner RF Jr, et al. **Adv Dermatol** 1988;3:277–92 (52 ref.)
Tyrosine kinase and control of cell proliferation. Comoglio PM, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S16–9 (38 ref.)
Cell-to-cell communication and the control of growth. Loewenstein WR. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S48–53 (28 ref.)
Oncogenes. The growth control genes. Feldman SR, et al. **Arch Dermatol** 1991 May;127(5):707–11 (31 ref.)
Oncogenes, oncogenesis, and oxygen radicals. Sahu SC. **Biomed Environ Sci** 1990 Jun;3(2):183–201 (157 ref.)
The role of the bcl-2 gene in lymphoma. Cotter FE. **Br J Haematol** 1990 Aug;75(4):449–53 (53 ref.)
Growth factors and oncogenes in prostate cancer. Thompson TC. **Cancer Cells** 1990 Nov;2(11):345–54 (103 ref.)
The current state of oncogenes and cancer: experimental approaches for analyzing oncogenetic events in human cancer. Chiao PJ, et al. **Cancer Metastasis Rev** 1990 Jul; 9(1):63–80 (148 ref.)
Importance of oncogene research to the cancer clinician. Goyns MH, et al. **Clin Oncol (R Coll Radiol)** 1991 May; 3(3):168–76 (101 ref.)
Retroviral oncogenes: interrelationships between neoplastic transformation and cell differentiation. Auersperg N, et al. **Crit Rev Oncog** 1991;2(2):125–60 (321 ref.)
Immortalization and malignant transformation of differentiated cells by oncogenes in vitro and in transgenic mice. Paul D, et al. **Crit Rev Oncog** 1989;1(3):307–21 (175 ref.)
Oncogenes and growth factors in thyroid carcinogenesis. Frauman AG, et al. **Endocrinol Metab Clin North Am** 1990 Sep;19(3):479–93 (103 ref.)
Hormonal steroids act as tumour promoters by modulating oncogene expression [editorial] Sekeris CE. **J Cancer Res Clin Oncol** 1991;117(2):96–101 (30 ref.)
The molecules of cancer. The Watson Smith lecture 1990. Sikora K. **J R Coll Physicians Lond** 1990 Jul;24(3):196–205 (59 ref.)
Receptor-like oncogenes: functional analysis through novel experimental approaches. Yarden Y. **Mol Immunol** 1990 Dec;27(12):1319–24 (46 ref.)
Chemical, oncogene and growth factor inhibition gap junctional intercellular communication: an integrative hypothesis of carcinogenesis. Trosko JE, et al. **Pathobiology** 1990;58(5):265–78 (122 ref.)
Oncogene expression in prostate cancer. Schalken JA, et al. **Prog Clin Biol Res** 1990;357:97–105 (52 ref.)
Repair of central nervous system lesions by glial cells immortalised with an oncogene-carrying retrovirus. Trotter J, et al. **Schweiz Arch Neurol Psychiatr** 1991; 142(2):102–4 (8 ref.)
Structure and activities of the ski oncogene. Colmenares C, et al. **Semin Cancer Biol** 1990 Dec;1(6):383–7 (22 ref.)
The rel gene and its role in oncogenesis. Enrietto PJ. **Semin Cancer Biol** 1990 Dec;1(6):399–405 (44 ref.)
[Interaction of oncogene and anti-oncogene products] Zang J, et al. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):34–7 (17 ref.) **(Chi)**
[Growth factors and oncogenes in brain tumors: the model of glioblastoma and medulloblastoma] Frappaz D, et al. **Pediatrie** 1991;46(1):59–64 (29 ref.) (Eng. Abstr.) **(Fre)**
[Oncogenes, anti-oncogenes and their alterations in human tumors] Jeanteur P, et al. **Rev Med Interne** 1990 May-Jun; 11(3):216–20 (11 ref.) (Eng. Abstr.) **(Fre)**

ONCOGENIC VIRUSES

see related
TUMOR VIRUS INFECTIONS

GENETICS

Control of tumor virus expression by host cell genes. zur Hausen H. **Immunol Ser** 1990;51:107–21 (58 ref.)
[Perspectives in the clinical utilization of molecular biology findings] Schreiber G, et al. **Gynakologe** 1991 Feb; 24(1):17–21 (20 ref.) **(Ger)**

PATHOGENICITY

Viruses and cancer. Dalgleish AG. **Br Med Bull** 1991 Jan; 47(1):21–46 (52 ref.)

PHYSIOLOGY

Viral oncogenesis and the immune system. Rapp F, et al. **Cancer Detect Prev** 1990;14(4):437–44 (75 ref.)

ONCOGENS see **CARCINOGENS**

ONCOLOGIC NURSING

Current strategies for managing myelosuppression in patients

with cancer. Rostad ME. **Oncol Nurs Forum** 1991 Mar;18(2 Suppl):7–15 (27 ref.)

METHODS

Managing the psychosocial consequences of cancer recurrence: implications for nurses. Mahon SM. **Oncol Nurs Forum** 1991 Apr;18(3):577–83 (35 ref.)
Understanding cerebral edema: implications for oncology nurses. Saba MT, et al. **Oncol Nurs Forum** 1991 Apr; 18(3):499–505 (25 ref.)
Psychologic aspects of the treatment of emesis in cancer nursing. Ouwerkerk J, et al. **Semin Oncol Nurs** 1990 Nov; 6(4 Suppl 1):6–9 (8 ref.)

ONCOLOGY, MEDICAL see **MEDICAL ONCOLOGY**

ONCOPROTEINS see **ONCOGENE PRODUCTS**

ONCORHYNCHUS see **SALMON**

ONCORNAVIRUSES see **RETROVIRIDAE**

ONCOVIRINAE see **RETROVIRIDAE**

ONCOVIRUSES see **RETROVIRIDAE**

ONCOVIRUSES, TYPE B see **MAMMARY CANCER VIRUS**

ONDINE'S CURSE see **SLEEP APNEA SYNDROMES**

ONLAYS see **DENTURE, OVERLAY**

ONYCHOMYCOSIS see **TINEA UNGUIUM**

ONYCHOPHAGIA see **NAIL BITING**

OOCYTES

Human oocyte and preembryo donation: an evolving method for the treatment of infertility. Sauer MV, et al. **Am J Obstet Gynecol** 1990 Nov;163(5 Pt 1):1421–4 (19 ref.)
Oocyte donation and surrogacy. Serhal P. **Br Med Bull** 1990 Jul;46(3):796–812 (35 ref.)
Oocyte and embryo donation. Nulsen JC, et al. **Curr Opin Obstet Gynecol** 1989 Oct;1(1):55–9 (9 ref.)
Techniques and significance of gamete collection and storage in the great apes. Gould KG. **J Med Primatol** 1990; 19(6):537–51 (35 ref.)

CYTOLOGY

Interactions between somatic cells and germ cells throughout mammalian oogenesis. Buccione R, et al. **Biol Reprod** 1990 Oct;43(4):543–7 (88 ref.)
Transformation of the amphibian oocyte into the egg: structural and biochemical events. Bement WM, et al. **J Electron Microsc Tech** 1990 Nov;16(3):202–34 (271 ref.)
[The regulation of meiotic inhibition and reinitiation in mammalian oocytes] Vorob'eva OA. **Tsitologiia** 1990; 32(5):422–41 (115 ref.) (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Stoichiometry and voltage dependence of the Na+/K+ pump in squid giant axons and Xenopus oocytes. Rakowski RF. **Soc Gen Physiol Ser** 1991;46:339–53 (25 ref.)
Variations in voltage-dependent stimulation of the Na+/K+ pump in Xenopus oocytes by external potassium. Schwarz W, et al. **Soc Gen Physiol Ser** 1991;46:327–38 (30 ref.)

GROWTH & DEVELOPMENT

Oocyte maturation, fertilization and embryonic growth in vitro. Plachot M, et al. **Br Med Bull** 1990 Jul;46(3):675–94 (48 ref.)
Cell-cycle aspects of growth and maturation of mammalian oocytes. Motlík J, et al. **Mol Reprod Dev** 1990 Dec; 27(4):366–75 (95 ref.)
[Criteria of the maturity of follicle and oocyte within the scope of in vitro fertilization. An overview] Urdl W. **Wien Med Wochenschr** 1991;141(1–2):2–9 (55 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Gene expression in Xenopus oocytes. Wang HC, et al. **Int J Biochem** 1991;23(3):271–6 (46 ref.)
Use of Xenopus oocytes for the functional expression of plasma membrane proteins. Sigel E. **J Membr Biol** 1990 Sep;117(3):201–21 (262 ref.)
Involvement of calcium and inositol phosphates in amphibian egg activation. Busa WB. **J Reprod Fertil Suppl** 1990; 42:155–61 (39 ref.)
Facts and hypotheses of calcium regulation of MPF activity during meiotic maturation of starfish oocytes. Dorée M, et al. **J Reprod Fertil Suppl** 1990;42:135–40 (57 ref.)
Cell signalling at fertilization of hamster eggs. Miyazaki S. **J Reprod Fertil Suppl** 1990;42:163–75 (44 ref.)

PHYSIOLOGY

Hormonal actions during oocyte maturation influence fertilization and early embryonic development. Armstrong DT, et al. **Ann N Y Acad Sci** 1991;626:137–58 (68 ref.)
Translational control during early development. Richter JD. **Bioessays** 1991 Apr;13(4):179–83 (34 ref.)
The four dimensions of calcium signalling in Xenopus oocytes. Delisle S. **Cell Calcium** 1991 Feb–Mar; 12(2–3):217–27 (120 ref.)
Repetitive calcium transients in hamster oocytes. Miyazaki S. **Cell Calcium** 1991 Feb–Mar;12(2–3):205–16 (43 ref.)
Cortical granules and the cortical reaction in mammals. Cran DG, et al. **J Reprod Fertil Suppl** 1990;42:177–88 (74 ref.)
In-vivo and in-vitro evidence supporting co-regulation of translation in sea-urchin eggs by polypeptide initiation factors, pH optimization, and mRNAs. Hille MB, et al. **J Reprod Fertil Suppl** 1990;42:235–48 (81 ref.)
RNA-binding phosphoproteins and the regulation of maternal mRNA in Xenopus. Sommerville J. **J Reprod Fertil Suppl** 1990;42:225–33 (46 ref.)
Second messengers at fertilization in sea-urchin eggs. Swann K, et al. **J Reprod Fertil Suppl** 1990;42:141–53 (85 ref.)
Cytoskeleton in Xenopus oocytes and eggs. Elinson RP, et al. **Semin Cell Biol** 1990 Oct;1(5):349–57 (96 ref.)

ULTRASTRUCTURE

Ultrastructural studies on the fertilization of mammalian gametes. Oura C, et al. **Int Rev Cytol** 1990;122:105–51 (303 ref.)
Ultrastructural correlates of meiotic maturation in mammalian oocytes. McGaughey RW, et al. **J Electron Microsc Tech** 1990 Dec;16(4):257–80 (77 ref.)
Ultrastructural aspects of oogenesis and oocyte growth in fish and amphibians. Wallace RA, et al. **J Electron Microsc Tech** 1990 Nov;16(3):175–201 (203 ref.)

OOECYAN see **BILIVERDINE**

OOGENESIS

Ultrastructural aspects of oogenesis and oocyte growth in fish and amphibians. Wallace RA, et al. **J Electron Microsc Tech** 1990 Nov;16(3):175–201 (203 ref.)

GENETICS

On the parental origin of de novo mutation in man. Chandley AC. **J Med Genet** 1991 Apr;28(4):217–23 (55 ref.)

PHYSIOLOGY

Interactions between somatic cells and germ cells throughout mammalian oogenesis. Buccione R, et al. **Biol Reprod** 1990 Oct;43(4):543–7 (88 ref.)
A review of echinoderm oogenesis. Smiley S. **J Electron Microsc Tech** 1990 Oct;16(2):93–114 (182 ref.)

OOMYCETES

PHYSIOLOGY

Biochemical activities of entomophagous fungi. Domnas AJ, et al. **Crit Rev Microbiol** 1991;18(1):1–13 (106 ref.)

OOPHORECTOMY see **OVARIECTOMY**

OPEN-ANGLE GLAUCOMA see **GLAUCOMA, OPEN-ANGLE**

OPEN READING FRAMES

Retrotransposition mechanisms. Boeke JD, et al. **Curr Opin Cell Biol** 1991 Jun;3(3):502–7 (17 ref.)

OPERATING ROOM NURSING

Hepatic resection. Indications, procedures, patient care. Steuer K. **AORN J** 1990 Aug;52(2):230–4, 236, 238–43, passim (40 ref.)

METHODS

Forensic medicine. What the perioperative nurse needs to know. Schramm CA. **AORN J** 1991 Mar;53(3):669–73, 676–83, 686–92 (49 ref.)
Positioning principles. An anatomical review. Smith KA. **AORN J** 1990 Dec;52(6):1196–202, 1204, 1206–8 (11 ref.)

OPERATING ROOMS

[Hygienic and health problems related to the use of anesthetic gases and vapors] Melino C, et al. **Clin Ter** 1990 Jul 15; 134(1):53–9 (21 ref.) (Eng. Abstr.) **(Ita)**

OPERATIONAL AUDIT see **MANAGEMENT AUDIT**

OPERATIONS RESEARCH

see related
INFORMATION THEORY

OPERATOR (GENETICS) see **OPERATOR REGIONS (GENETICS)**

OPERATOR REGIONS (GENETICS)

Comparison of the structures of operator DNA free and in complex with lambda repressor. Baleja JD, et al. **Biochem Cell Biol** 1991 Feb–Mar;69(2–3):202–5 (14 ref.)

OPERON

Directed evolution of a bacterial operon. Hall BG. **Bioessays** 1990 Nov;12(11):551–8 (38 ref.)
The cyanase operon and cyanate metabolism. Anderson PM, et al. **FEMS Microbiol Rev** 1990 Dec;7(3–4):247–52 (40 ref.)
Post-transcriptional control in the polycistronic operon environment: studies of the atp operon of Escherichia coli. McCarthy JE. **Mol Microbiol** 1990 Aug;4(8):1233–40 (37 ref.)

OPERON, RRNA see **RRNA OPERON**

OPHTHALMIA see **ENDOPHTHALMITIS**

OPHTHALMIA, SYMPATHETIC

Sympathetic ophthalmia and Vogt-Koyanagi-Harada syndrome. Goto H, et al. **Int Ophthalmol Clin** 1990 Fall; 30(4):279–85 (50 ref.)

PREVENTION & CONTROL

Prevention of sympathetic ophthalmia. State of the art 1989. Kraus-Mackiw E. **Int Ophthalmol** 1990 Oct;14(5–6):391–4 (9 ref.)

OPHTHALMIC NERVE

PATHOLOGY

Herpes zoster virus infection: a clinicopathologic review and case reports. Barrett AP. **Aust Dent J** 1990 Aug; 35(4):328–32 (26 ref.)

OPHTHALMIC SOLUTIONS

ADVERSE EFFECTS

[Systemic effects of eyedrops] Le Jeunne C, et al. **Ann Med Interne (Paris)** 1990;141(8):674–7 (10 ref.) **(Fre)**
[Type IV allergy to components of ophthalmologic drugs] Riedl B, et al. **Klin Monatsbl Augenheilkd** 1991 Apr; 198(4):251–4 (40 ref.) (Eng. Abstr.) **(Ger)**

PHARMACOKINETICS

Review: systemic absorption of topically applied ocular drugs in humans. Salminen L. **J Ocul Pharmacol** 1990 Fall; 6(3):243–9 (28 ref.)
[Bioavailability of drugs applied to the eye externally] Sieradzki E. **Klin Oczna** 1991 Jan;93(1):34–6 (8 ref.) (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Topical ophthalmologics in otology. Hoffman RA, et al. **Ear Nose Throat J** 1991 Apr;70(4):201–5 (13 ref.)
Intraocular drugs used in cataract surgery and their effect on the corneal endothelium. MacRae S. **Refract Corneal Surg** 1991 May-Jun;7(3):249–51 (11 ref.)
Systemic drug interactions with topical glaucoma medications. Gerber SL, et al. **Surv Ophthalmol** 1990 Nov-Dec;35(3):205–18 (99 ref.)

TOXICITY

Test models to determine potential ocular drug induced side effects. Lerman S. **Lens Eye Toxic Res** 1989;6(1–2):1–36 (50 ref.)
Screening for potential in vivo phototoxicity in the lens/retina. Roberts JE, et al. **Lens Eye Toxic Res** 1990; 7(3–4):655–66 (38 ref.)

OPHTHALMOLOGY

see related
EYE DISEASES
VISION
[Value of the new drug carriers in ophthalmology: liposomes and nanoparticles] Marchal-Heussler L, et al. **J Fr Ophtalmol** 1990;13(11–12):575–82 (35 ref.) **(Fre)**

HISTORY

Ocular immunology: on the birth of a new discipline. Silverstein AM. **Cell Immunol** 1991 Sep;136(2):504–18 (108 ref.)

INSTRUMENTATION

A comparison of surgical keratometers. Frantz JM, et al. **Refract Corneal Surg** 1989 Nov-Dec;5(6):409–13 (16 ref.)
[Objective determination of refraction] Friedburg D. **Fortschr Ophthalmol** 1990;87 Suppl:S138–41 (32 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Ophthalmology and magic. Young MN. **Bull N Y Acad Med** 1990 Nov-Dec;66(6):638–46 (20 ref.)

STANDARDS

Surgical psycho-ophthalmology and contracted sockets. Tadros MA. **Adv Ophthalmic Plast Reconstr Surg** 1990; 8:274-9 (12 ref.)

Miotics and retinal detachment: upgrading the community standard. Kraushar MF, et al. **Surv Ophthalmol** 1991 Jan-Feb;35(4):311-6 (18 ref.)

TRENDS

What's new in ophthalmology. Haining WM. **J R Coll Surg Edinb** 1990 Oct;35(5):273-4 (2 ref.)

OPHTHALMOPLEGIA

Recurrent lateral rectus palsy in childhood. Afifi AK, et al. **Pediatr Neurol** 1990 Sep-Oct;6(5):315-8 (11 ref.)

CLASSIFICATION

Chronic progressive external ophthalmoplegia. Bastiaensen LA. **Bull Soc Belge Ophtalmol** 1989;237:381-423 (184 ref.)

CONGENITAL

The syndrome of Möbius sequence, peripheral neuropathy, and hypogonadotropic hypogonadism. Kawai M, et al. **Am J Med Genet** 1990 Dec;37(4):578-82 (9 ref.)

Ptosis correction in the context of the treatment of external congenital ophthalmoplegia. D'Esposito M, et al. **Ophthal Plast Reconstr Surg** 1989;5(3):176-81 (33 ref.)

[Moebius syndrome. Apropos of 2 cases] Speeg C, et al. **J Fr Ophtalmol** 1991;14(2):103-8 (47 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Ocular myopathy. III. Further observations on cases of ocular myopathy] Maruo T. **Nippon Ganka Gakkai Zasshi** 1965 Jun;69(6):475-9 (46 ref.) (Eng. Abstr.) **(Jpn)**

[A fungal aneurysm in a patient with presumed Tolosa-Hunt syndrome] Shimizu T, et al. **No Shinkei Geka** 1991 May; 19(5):477-83 (36 ref.) (Eng. Abstr.) **(Jpn)**

[Atypical and combined forms of infectious-allergic polyneuropathies] Kanareĭkin KF, et al. **Klin Med (Mosk)** 1991 Apr;69(4):14-7 (32 ref.) **(Rus)**

ETIOLOGY

Internuclear ophthalmoplegia from intracranial tumor. Arnold AC. **J Clin Neuro Ophthalmol** 1990 Dec; 10(4):278-86 (26 ref.)

[Optic neuropathy and Parry-Romberg syndrome. Apropos of a case] Garcher C, et al. **J Fr Ophtalmol** 1990; 13(11-12):557-61 (14 ref.) (Eng. Abstr.) **(Fre)**

[Opthalomoplegic migraine] Chabriat H, et al. **Rev Neurol (Paris)** 1990;146(11):682-6 (19 ref.) (Eng. Abstr.) **(Fre)**

[Type C Niemann-Pick disease: supranuclear ophthalmoplegia associated with deficient biosynthesis of cholesterol esters] Turpin JC, et al. **Rev Neurol (Paris)** 1991; 147(1):28-34 (34 ref.) (Eng. Abstr.) **(Fre)**

[Sphenoid fissure syndrome in orbital fractures. Case presentation and literature review] Menard P, et al. **Rev Stomatol Chir Maxillofac** 1991;92(3):193-8 (30 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Neuro-ophthalmologic manifestations of mitochondrial DNA disorders: chronic progressive external ophthalmoplegia, Kearns-Sayre syndrome, and Leber's hereditary optic neuropathy. Kosmorsky G, et al. **Neurol Clin** 1991 Feb;9(1):147-61 (46 ref.)

Heteroplasmy in chronic external ophthalmoplegia: clinical and molecular observations. Hurko O, et al. **Pediatr Res** 1990 Nov;28(5):542-8 (88 ref.)

PHYSIOPATHOLOGY

Paresis of cranial nerves III, IV, and VI: clinical manifestation and differential diagnosis. Carlow TJ. **Bull Soc Belge Ophtalmol** 1989;237:285-301 (43 ref.)

Motor and premotor structures involved in eye movements. Pierrot-Deseilligny C. **Bull Soc Belge Ophtalmol** 1989; 237:259-83 (114 ref.)

[Late recurrence of Miller-Fischer syndrome. Physiopathogenic reflections about a case] Burbaud P, et al. **Rev Med Interne** 1991 May-Jun;12(3):215-6, 218 (31 ref.) (Eng. Abstr.) **(Fre)**

OPHTHALMOSCOPY

INSTRUMENTATION

[Static microperimetry with the laser scanning ophthalmoscope] Van de Velde FJ, et al. **Ophtalmologie** 1990 May-Jun;4(3):291-4 (4 ref.) (Eng. Abstr.) **(Fre)**

OPIATE DEPENDENCE see **NARCOTIC DEPENDENCE**

OPIATES see **NARCOTICS**

OPIATES, ENDOGENOUS see **ENDORPHINS**

OPIOID PEPTIDES see **ENDORPHINS**

OPPORTUNISTIC INFECTIONS

Update on AIDS opportunistic infections. Piazza M, et al. **Antibiot Chemother** 1991;43:173-200 (63 ref.)

Otorhinolaryngologic manifestations of acquired immunodeficiency syndrome. Sant'Anna GD, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991;112(1):63-6 (19 ref.)

[Atypical mycobacterium infections] Krüger M. **Derm Beruf Umwelt** 1990 Jul-Aug;38(4):109-17 (91 ref.) (Eng. Abstr.) **(Ger)**

[Alithiasic cholecystitis and sclerosing cholangitis caused by Cryptosporidium and cytomegalovirus in a patient with HIV infection] Muñoz J, et al. **Enferm Infecc Microbiol Clin** 1989 Dec;7(10):547-50 (18 ref.) (Eng. Abstr.) **(Spa)**

BLOOD

Fungemia with Saccharomycetaceae. Report of four cases and review of the literature. Nielsen H, et al. **Scand J Infect Dis** 1990;22(5):581-4 (15 ref.)

COMPLICATIONS

Ganciclovir therapy for opportunistic cytomegalovirus disease in AIDS. Jacobson MA. **AIDS Clin Rev** 1990; :149-63 (37 ref.)

HIV disease: a review for the family physician. Part II. Secondary infections, malignancy and experimental therapy. Brooke GL, et al. **Am Fam Physician** 1990 Nov; 42(5):1299-308 (18 ref.)

Disseminated, nonmeningeal gastrointestinal cryptococcal infection in an HIV-negative patient. Daly JS, et al. **Am J Gastroenterol** 1990 Oct;85(10):1421-4 (18 ref.)

HIV-associated Hodgkin disease: a clinical study of 18 cases and review of the literature. Gold JE, et al. **Am J Hematol** 1991 Feb;36(2):93-9 (62 ref.)

Otologic pathophysiology in patients with human immunodeficiency virus. Rarey KE. **Am J Otolaryngol** 1990 Nov-Dec;11(6):366-9 (31 ref.)

Interrelationships between human immunodeficiency virus and cytomegalovirus. Campbell AE. **Arch Immunol Ther Exp (Warsz)** 1990;38(1-2):165-70 (34 ref.)

Human immunodeficiency virus infection and the skin. A crucial interface. Cockerell CJ. **Arch Intern Med** 1991 Jul; 151(7):1295-303 (48 ref.)

Oral candidosis in HIV-infected patients. Gazzard BG, et al. **Br J Clin Pract Symp Suppl** 1990 Sep;71:103-8 (25 ref.)

Fungal infections in AIDS patients. Stevens DA. **Br J Clin Pract Symp Suppl** 1990 Sep;71:11-22 (78 ref.)

Pneumocystis carinii, an opportunist in immunocompromised patients. Bartlett MS, et al. **Clin Microbiol Rev** 1991 Apr; 4(2):137-49 (202 ref.)

Spectrum and multiplicity of infectious complications in patients with AIDS: a microbiological perspective. Bottone EJ. **Compr Ther** 1990 Aug;16(8):24-33 (33 ref.)

Human immunodeficiency virus (HIV)-associated pneumocystosis. Armstrong D, et al. **Curr Clin Top Infect Dis** 1991;11:19-34 (42 ref.)

HIV- and AIDS-related musculoskeletal problems. Rowe IF. **Curr Opin Rheumatol** 1990 Aug;2(4):642-7 (20 ref.)

Bacterial, viral, fungal, and parasitic infections in HIV disease and AIDS. Berger TG, et al. **Dermatol Clin** 1991 Jul; 9(3):465-92 (209 ref.)

Invasive aspergillosis in patients with HIV infection: report of two patients and a review of the literature. Decker CF, et al. **J Acquir Immune Defic Syndr** 1991;4(6):603-6 (26 ref.)

Opportunistic protozoan infections in human immunodeficiency virus disease: review highlighting diagnostic and therapeutic aspects. Curry A, et al. **J Clin Pathol** 1991 Mar;44(3):182-93 (84 ref.)

Coccidioidomycosis in human immunodeficiency virus-infected patients. Galgiani JN, et al. **J Infect Dis** 1990 Nov;162(5):1165-9 (32 ref.)

Evaluation of clinically normal appearing skin for systemic infectious diseases in human immunodeficiency virus seropositive patients. Cohen PR. **Med Hypotheses** 1991 Mar;34(3):193-7 (49 ref.)

Headache and acquired immunodeficiency syndrome. Goldstein J. **Neurol Clin** 1990 Nov;8(4):947-60 (25 ref.)

Current diagnosis and management of toxoplasmosis in cancer patients. McCabe RE. **Oncology (Williston Park)** 1990 Oct;4(10):81-90; discussion 93-4 (46 ref.)

AIDS meningoencephalomyelitis. Pathogenesis and changing neuropathologic findings. Rhodes RH, et al. **Pathol Annu** 1991;26 Pt 2:247-76 (231 ref.)

Lymphocytic interstitial pneumonia. Pitt J. **Pediatr Clin North Am** 1991 Feb;38(1):89-95 (27 ref.)

Pneumocystis carinii infections in HIV-infected children. Sanders-Laufer D, et al. **Pediatr Clin North Am** 1991 Feb; 38(1):69-88 (124 ref.)

Disseminated strongyloidiasis and other selected unusual infections in patients with the acquired immunodeficiency syndrome. Glezerov V, et al. **Prog AIDS Pathol** 1990; 2:137-42 (44 ref.)

Microsporidia: opportunistic pathogens in patients with AIDS. Bryan RT, et al. **Prog Clin Parasitol** 1991;2:1-26 (74 ref.)

Pneumocystis carinii pneumonia (PCP). Lipschik GY, et al. **Prog Clin Parasitol** 1991;2:27-71 (294 ref.)

Rhodococcus equi infection in the patient with AIDS: literature review and report of an unusual case. Emmons W, et al. **Rev Infect Dis** 1991 Jan-Feb;13(1):91-6 (37 ref.)

Septic arthritis and other infections of rheumatologic significance. Goldenberg DL. **Rheum Dis Clin North Am** 1991 Feb;17(1):149-56 (23 ref.)

Rhodococcus equi--an easily missed opportunistic pathogen. Doig C, et al. **Scand J Infect Dis** 1991;23(1):1-6 (25 ref.)

Progressive disseminated histoplasmosis in the acquired immunodeficiency syndrome: a model for disseminated disease. Sarosi GA, et al. **Semin Respir Infect** 1990 Jun; 5(2):146-50 (22 ref.)

Cytomegalovirus-induced osteomyelitis in a patient with the acquired immunodeficiency syndrome. Berman S, et al. **South Med J** 1990 Oct;83(10):1231-2 (11 ref.)

Focal hepatic tuberculosis in a patient with acquired immunodeficiency syndrome. Kielhofner MA, et al. **South Med J** 1991 Mar;84(3):401-4 (41 ref.)

Invasive aspergillosis in AIDS. Singh N, et al. **South Med J** 1991 Jul;84(7):822-7 (24 ref.)

[Hepatic involvement in AIDS. A retrospective clinical study in 71 patients] Astagneau P, et al. **Ann Med Interne (Paris)** 1990;141(5):459-63 (25 ref.) (Eng. Abstr.) **(Fre)**

[Visceral leishmaniasis and immunosuppression] Lortholary O, et al. **Ann Med Interne (Paris)** 1991;142(3):215-7 (45 ref.) **(Fre)**

[Opportunistic parasitic diseases in Africa. Clinical aspects and diagnosis] Kapita B, et al. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:45-7 (10 ref.) (Eng. Abstr.) **(Fre)**

[Pneumocystis carinii pneumonia in patients with AIDS in the Congo] M'Boussa J, et al. **Rev Pneumol Clin** 1991; 47(1):39-42 (19 ref.) (Eng. Abstr.) **(Fre)**

[HIV infection. The prognostic value of buccal candidiasis and hairy leukoplakia in HIV infection. A critical and comparative analysis] Samson J, et al. **Schweiz Monatsschr Zahnmed** 1991;101(8):1026-32 (16 ref.) **(Fre)**

[Atypical forms of AIDS-associated Pneumocystis carinii infection] Ewig S, et al. **Dtsch Med Wochenschr** 1991 Mar 1;116(9):346-51 (68 ref.) **(Ger)**

[Gastrointestinal manifestations of AIDS. 2: Bacterial and vhparasitic infections, malignant tumors] Prüfer-Krämer L, et al. **Fortschr Med** 1991 Mar 20;109(8):179-82 (40 ref.) (Eng. Abstr.) **(Ger)**

[Gastrointestinal manifestations of AIDS. 1: Basic considerations and viral infections] Prüfer-Krämer L, et al. **Fortschr Med** 1991 Mar 10;109(7):169-72 (41 ref.) (Eng. Abstr.) **(Ger)**

[AIDS and the eye] Lund OE, et al. **Fortschr Ophthalmol** 1990;87 Suppl:S94-100 (35 ref.) (Eng. Abstr.) **(Ger)**

[Manifestations of AIDS in the gastrointestinal tract] Heise W, et al. **Leber Magen Darm** 1991 Jan;21(1):9-14 (19 ref.) (Eng. Abstr.) **(Ger)**

[Primary and secondary neurologic manifestations in AIDS] Enzensberger W. **Verh Dtsch Ges Inn Med** 1990;96:524-9 (22 ref.) **(Ger)**

[The ever present cytomegalovirus] Pohle HD. **Verh Dtsch Ges Inn Med** 1990;96:521-4 (18 ref.) **(Ger)**

[Lung mycoses caused by opportunistic fungi] Karaev ZO. **Ter Arkh** 1990;62(11):137-41 (15 ref.) **(Rus)**

[Neurology of the acquired immunodeficiency syndrome. II. Infections and tumors of the central nervous system] Orolin D, et al. **Cesk Neurol Neurochir** 1990 Jul;53(4):215-27 (79 ref.) **(Slo)**

[The characteristics of the opportunistic infections associated with AIDS: tuberculosis and toxoplasmosis] Gatell JM. **Rev Clin Esp** 1990 May;186(8):405-6 (30 ref.) **(Spa)**

DIAGNOSIS

Pneumocystis carinii: a deadly opportunist. Zackrison LH, et al. **Am Fam Physician** 1991 Aug;44(2):528-41 (33 ref.)

Problems in the diagnosis of invasive fungal diseases. Rinaldi MG. **Rev Infect Dis** 1991 May-Jun;13(3):493-5 (6 ref.)

[Laboratory diagnosis in deep Candida infections] Michel MF, et al. **Ned Tijdschr Geneeskd** 1991 Jun 29; 135(26):1170-4 (24 ref.) **(Dut)**

[HIV and nervous system manifestations: a review] Riedel RR, et al. **Fortschr Neurol Psychiatr** 1991 Mar;59(3):69-80 (167 ref.) (Eng. Abstr.) **(Ger)**

[HIV-associated opportunistic diseases: diagnostic and therapeutic possibilities in the clinic and general practice] Weber R, et al. **Internist (Berl)** 1990 Sep;31(9):553-66 (85 ref.) **(Ger)**

[Clinical picture of early syphilis in patients with HIV infection in the light of literature data] Starzycki Z. **Przegl Dermatol** 1990 Jul-Aug;77(4):276-82 (19 ref.) (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Successful treatment of disseminated Fusarium infection in an immunocompromised child. Barrios NJ, et al. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):319-24 (34 ref.)

Overview of cytomegalovirus infections in HIV-infected patients: current therapies and future strategies. Crumpacker CS, et al. **J Acquir Immune Defic Syndr** 1991; 4 Suppl 1:S1-5 (13 ref.)

Diagnosis and treatment of cytomegalovirus retinitis. Henderly DE, et al. **J Acquir Immune Defic Syndr** 1991; 4 Suppl 1:S6–10 (18 ref.)

The pharmacologic treatment of HIV infection and AIDS in adults. Cohen FL. **Nurs Clin North Am** 1991 Jun; 26(2):315–29 (67 ref.)

Fluconazole. Review and situation among antifungal drugs in the treatment of opportunistic mycoses of human immuno-deficiency virus infections. Vincent-Ballereau FN, et al. **Pharm Weekbl [Sci]** 1991 Apr 26;13(2):45–57 (47 ref.)

Treatment of fungal infections in patients infected with the human immunodeficiency virus. Sugar AM. **Pharmacotherapy** 1990;10(6 (Pt 3)):154S–158S (26 ref.)

Treatment of opportunistic infections associated with acquired immune deficiency syndrome. Miller SM. **Prim Care** 1990 Sep;17(3):543–64 (121 ref.)

[Consensus conference: pneumocystosis in HIV infections. 1st consensus conference in anti-infection therapeutics organized by "la Société de Pathologie Infectieuse de langue française", May 11, 1990] **Rev Pneumol Clin** 1990; 46(3):132–5 (0 ref.) **(Fre)**

[Therapy of lung diseases in AIDS] Eichenlaub D. **Verh Dtsch Ges Inn Med** 1990;96:516–21 (7 ref.) **(Ger)**

[Therapy of HIV infection (AIDS)] Haustein UF. **Z Gesamte Inn Med** 1991 Jun;46(8):263–70 (42 ref.) (Eng. Abstr.) **(Ger)**

[Therapy of infections caused by opportunistic pathogens: viruses and parasites] Aznar J. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:56–61 (65 ref.) **(Spa)**

[Therapy of infections caused by opportunistic agents: fungi] Martin E, et al. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:62–6 (66 ref.) **(Spa)**

[Treatment of the most common infections in patients with human immunodeficiency virus infection. Task-force on AIDS of the Sociedad Española de Enfermedades Infecciosas y Microbiología Clínica] Podzamczer D, et al. **Enferm Infecc Microbiol Clin** 1990 Mar;8(3):161–75 (230 ref.) **(Spa)**

EPIDEMIOLOGY

[Pulmonary disease caused by opportunistic environmental mycobacteria. Review of 35 cases] Hernández Flix S, et al. **Med Clin (Barc)** 1990 Jun 9;95(2):53–6 (26 ref.) (Eng. Abstr.) **(Spa)**

[Tuberculosis and AIDS. The situation in Spain. The outlook (editorial)] de March Ayuela P. **Rev Clin Esp** 1990 May; 186(8):365–8 (87 ref.) **(Spa)**

ETIOLOGY

Hepatobiliary manifestations of the acquired immune deficiency syndrome. Cappell MS. **Am J Gastroenterol** 1991 Jan;86(1):1–15 (299 ref.)

Disseminated Trichosporon capitatum infection in a patient with acute leukemia undergoing bone marrow transplantation. Liu KL, et al. **Bone Marrow Transplant** 1990 Sep;6(3):219–21 (25 ref.)

Other infections associated with AIDS. Follansbee SE. **Immunol Ser** 1989;44:467–506 (157 ref.)

Current report—HIV. AIDS at the crossroads: a report from the 1990 International Conference on AIDS—San Francisco. Goldschmidt RH, et al. **J Am Board Fam Pract** 1990 Oct-Dec;3(4):297–304 (52 ref.)

The pathogenesis of opportunistic mycoses in man. Smith JM. **Microbiol Sci** 1986 Apr;3(4):122–5 (35 ref.)

Candida albicans shunt infection. Shapiro S, et al. **Pediatr Neurosci** 1989;15(3):125–30 (20 ref.)

Non-typhoid Salmonella in renal transplant recipients: a report of twenty cases and review of the literature. Dhar JM, et al. **Q J Med** 1991 Mar;78(287):235–50 (89 ref.)

[Pneumocystitis carinii pneumonia in adult patients with AIDS] Møller A, et al. **Ugeskr Laeger** 1991 Jun 10; 153(24):1710–1 (30 ref.) (Eng. Abstr.) **(Dan)**

[Sporotrichoid form of M. marinum infection in a patient treated with cyclosporin following kidney transplantation] Dompmartin A, et al. **Ann Dermatol Venereol** 1991; 118(5):377–9 (29 ref.) **(Fre)**

[Infectious esophagitis in HIV infection] Pauwels A, et al. **Rev Med Interne** 1990 May-Jun;11(3):223–8 (66 ref.) (Eng. Abstr.) **(Fre)**

[Zygomycosis caused by Cunninghamella bertholletiae] Chiba N, et al. **Rinsho Byori** 1990 Nov;38(11):1219–25 (16 ref.) (Eng. Abstr.) **(Jpn)**

[Gastroenterological complications after bone marrow transplantation] Ratajczak MZ, et al. **Pol Tyg Lek** 1990 Aug 20–27;45(34–35):716–20 (33 ref.) **(Pol)**

[Malnutrition and septic complications in cancer of the colon] Nowicki A, et al. **Wiad Lek** 1990 Sep 1–15; 43(17–18):879–83 (25 ref.) (Eng. Abstr.) **(Pol)**

[The role of the immune system in the pathogenesis and treatment of suppurative-inflammatory diseases after cesarean section] Timoshenko LV, et al. **Akush Ginekol (Mosk)** 1990 Nov;(11):9–12 (63 ref.) **(Rus)**

[Suppurative complications in reconstructive surgery of the aorta and arteries of the lower extremities] Genyk SN, et al. **Khirurgiia (Mosk)** 1990 Nov;(11):147–50 (51 ref.) **(Rus)**

[Delta hepatitis] Nikiforov ND, et al. **Sov Med** 1991;(1):32–5 (49 ref.) **(Rus)**

[Pulmonary infections in immunocompromised patients] Pachón J, et al. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:23–33 (137 ref.) **(Spa)**

IMMUNOLOGY

Pulmonary defense mechanisms against opportunistic fungal pathogens. Waldorf AR. **Immunol Ser** 1989;47:243–71 (115 ref.)

Immunology of AIDS related to psoriasis. Duvic M. **J Invest Dermatol** 1990 Nov;95(5):38S–40S (24 ref.)

MICROBIOLOGY

Opportunist mycobacteria. Jenkins PA. **Bull Int Union Tuberc Lung Dis** 1990 Jun-Sep;65(2–3):75–7 (14 ref.)

Mycobacteria in the environment. Jenkins PA. **Soc Appl Bacteriol Symp Ser** 1991;20:137S–141S (15 ref.)

Salmonella osteomyelitis of the skull base. Senegor M, et al. **Surg Neurol** 1991 Jul;36(1):37–9 (14 ref.)

[Candidiasis: molecular basis of parasitic adaptation of opportunistic pathogenic protists] Poulain D. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:125–30 (15 ref.) (Eng. Abstr.) **(Fre)**

[Opportunistic systemic mycoses] Szalka A, et al. **Orv Hetil** 1991 Aug 25;132(34):1851–6, 1859 (42 ref.) (Eng. Abstr.) **(Hun)**

PATHOLOGY

Pathology of childhood AIDS. Joshi VV. **Pediatr Clin North Am** 1991 Feb;38(1):97–120 (73 ref.)

Pneumocystis carinii pneumonia in pulmonary pathology. van Maarsseveen TC. **Z Erkr Atmungsorgane** 1991; 176(2–3):140–5 (16 ref.)

[HIV infection of the central nervous system: clinical relevance] Pohle HD, et al. **Internist (Berl)** 1990 Sep; 31(9):567–74 (41 ref.) **(Ger)**

PREVENTION & CONTROL

Prophylaxis of AIDS-related opportunistic infections (OIs). Current status and future strategies. Hardy WD. **AIDS Clin Rev** 1991;:145–80 (84 ref.)

Prophylaxis of AIDS-related opportunistic infections (OIs). Hardy WD. **AIDS Clin Rev** 1989;:125–50 (74 ref.)

Infections in HIV-infected travelers: risks and prevention. Wilson ME, et al. **Ann Intern Med** 1991 Apr 1; 114(7):582–92 (125 ref.)

Opportunistic infections in children following renal transplantation. Harmon WE. **Pediatr Nephrol** 1991 Jan; 5(1):118–25 (80 ref.)

Antimicrobial chemoprophylaxis in immunocompromised patients. Frøland SS. **Scand J Infect Dis Suppl** 1990; 70:130–40 (42 ref.)

[Prevention of infection after bone marrow transplantation] Schmeiser T. **Fortschr Med** 1991 Feb 28;109(6):155–7 (0 ref.) (Eng. Abstr.) **(Ger)**

[Secondary prevention in HIV infection] Weber R, et al. **Ther Umsch** 1991 Apr;48(4):258–63 (17 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Primary care of women infected with the human immunodeficiency virus. Allen MH. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):557–69 (43 ref.)

Medical care of the HIV-infected child. Burroughs MH, et al. **Pediatr Clin North Am** 1991 Feb;38(1):45–67 (110 ref.)

[Clinical aspects and therapy of frequent viral diseases of the skin] Kölzsch J. **Z Arztl Fortbild (Jena)** 1990; 84(23):1199–202 (0 ref.) **(Ger)**

OPSONINS

see related
PHAGOCYTOSIS

GENETICS

Molecular basis of a common opsonic defect. Turner MW, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:182–8 (23 ref.)

IMMUNOLOGY

Host defense mechanisms in the peritoneal cavity of continuous ambulatory peritoneal dialysis patients. 2. Humoral defenses. Holmes C, et al. **Perit Dial Int** 1991; 11(2):112–7 (31 ref.)

OPTIC ATROPHY

[Ophthalmological anomalies of the GAPO syndrome (growth retardation, alopecia, pseudo-anodontia, optic atrophy). Apropos of a case] Dellac M, et al. **J Fr Ophtalmol** 1990;13(11–12):547–50 (8 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Ophthalmologic complications of meningomyelocele: a longitudinal study. Biglan AW. **Trans Am Ophthalmol Soc** 1990;88:389–462 (95 ref.)

OPTIC ATROPHY, HEREDITARY

GENETICS

Neuro-ophthalmologic manifestations of mitochondrial DNA disorders: chronic progressive external ophthalmoplegia, Kearns-Sayre syndrome, and Leber's hereditary optic neuropathy. Kosmorsky G, et al. **Neurol Clin** 1991 Feb;9(1):147–61 (46 ref.)

Leber's hereditary optic neuropathy and Kearns-Sayre syndrome: mitochondrial DNA mutations. Phillips CI, et al. **Surv Ophthalmol** 1991 May-Jun;35(6):463–72 (70 ref.)

OPTIC CHIASM

Chiasmal gliomas: results of irradiation management in 57 patients and review of literature. Bataini JP, et al. **Int J Radiat Oncol Biol Phys** 1991 Aug;21(3):615–23 (27 ref.)

Chemotherapeutic treatment of extensive optic pathway tumors in infants. Kretschmar CS, et al. **J Neurooncol** 1991 Jun;10(3):263–70 (41 ref.)

Optic chiasmal neuritis. Newman NJ, et al. **Neurology** 1991 Aug;41(8):1203–10 (32 ref.)

[Opticochiasmatic apoplexy] Lejeune JP, et al. **Neurochirurgie** 1990;36(5):303–7 (15 ref.) (Eng. Abstr.) **(Fre)**

OPTIC DISK

ABNORMALITIES

[Krypton laser treatment of macular retinal detachment associated with optic nerve pit] Sampoux P, et al. **Bull Soc Ophtalmol Fr** 1990 Aug-Sep;90(8–9):783–7 (7 ref.) (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

[The structural and blood supply characteristics of the optic disk] Zhaboedov GD, et al. **Oftalmol Zh** 1990;(6):379–83 (40 ref.) **(Rus)**

PATHOLOGY

Pallor of the optic disc in children. Ouvrier RA. **Aust N Z J Ophthalmol** 1990 Nov;18(4):375–9 (14 ref.)

OPTIC DISK DRUSEN

COMPLICATIONS

[Submacular neovascular membrane and drusen of the optic disk] Saudax E, et al. **J Fr Ophtalmol** 1990;13(4):219–22 (12 ref.) (Eng. Abstr.) **(Fre)**

OPTIC NERVE

[Opticochiasmatic apoplexy] Lejeune JP, et al. **Neurochirurgie** 1990;36(5):303–7 (15 ref.) (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

The pretectal nuclear complex and the accessory optic system. Simpson JI, et al. **Rev Oculomot Res** 1988;2:335–64 (217 ref.)

BLOOD SUPPLY

Ischemic optic neuropathies. Moro F, et al. **Metab Pediatr Syst Ophthalmol** 1990;13(2–4):75–8 (19 ref.)

Ischemic optic neuropathy. Kay MC. **Neurol Clin** 1991 Feb; 9(1):115–29 (42 ref.)

[Circulatory disorders of the retina and optic nerve] Mehdorn E, et al. **Fortschr Ophthalmol** 1990;87 Suppl:S70–81 (183 ref.) (Eng. Abstr.) **(Ger)**

CYTOLOGY

Division of astroblasts and oligodendroblasts in postnatal rodent brain: evidence for separate astrocyte and oligodendrocyte lineages. Skoff RP, et al. **GLIA** 1991; 4(2):165–74 (45 ref.)

The complex relationship between cell division and the control of differentiation in oligodendrocyte-type-2 astrocyte progenitor cells isolated from perinatal and adult rat optic nerves. Noble M, et al. **Prog Growth Factor Res** 1989;1(3):179–94 (42 ref.)

Optic nerve explant cultures of newborn rats: evidence for a neuron or common neuron-glia progenitor. Omlin FX, et al. **Schweiz Arch Neurol Psychiatr** 1991;142(2):104–7 (22 ref.)

INJURIES

Hematoma of the optic nerve sheath after penetrating trauma. Stonecipher KG, et al. **South Med J** 1990 Oct;83(10):1230–1 (4 ref.)

PHYSIOLOGY

Electrophysiology of the optic nerve: recent insights. Tormene AP, et al. **Metab Pediatr Syst Ophthalmol** 1990; 13(2–4):72–4 (29 ref.)

RADIATION EFFECTS

Radiosensitivity of glial progenitor cells of the perinatal and adult rat optic nerve studied by an in vitro clonogenic assay. van der Maazen RW, et al. **Radiother Oncol** 1991 Apr;20(4):258–64 (28 ref.)

SURGERY

Optic nerve sheath decompression: a clinical review and proposed pathophysiologic mechanism. Sergott RC, et al. **Aust N Z J Ophthalmol** 1990 Nov;18(4):365–73 (38 ref.)

ULTRASTRUCTURE

Implications of double mutant phenotypes. Billings-Gagliardi S, et al. **Ann N Y Acad Sci** 1990;605:215–29 (20 ref.)

OPTIC NERVE DISEASES

Glaucomatous and glaucoma-like optic neuropathy. Miglior M, et al. **Metab Pediatr Syst Ophthalmol** 1990; 13(2–4):119–28 (15 ref.)

Optic nerve gliomas and meningiomas. Dutton JJ. **Neurol Clin** 1991 Feb;9(1):163–77 (114 ref.)

DIAGNOSIS

Tumors of the optic nerve. Blodi FC. **Metab Pediatr Syst Ophthalmol** 1990;13(2–4):47–9 (0 ref.)

Distinguishing between clinical impairments due to optic nerve or macular disease. Sadun AA. **Metab Pediatr Syst Ophthalmol** 1990;13(2–4):79–84 (11 ref.)

The role of fluorescein angiography in the interpretation of optic nerve head diseases. Segato T, et al. **Metab Pediatr Syst Ophthalmol** 1990;13(2–4):111–4 (4 ref.)

Contribution of manual and computerized perimetry to the differential diagnosis of optic neuropathies. Zingirian M, et al. **Metab Pediatr Syst Ophthalmol** 1990;13(2–4):50–4 (20 ref.)

DRUG THERAPY

Chemotherapeutic treatment of extensive optic pathway tumors in infants. Kretschmar CS, et al. **J Neurooncol** 1991 Jun;10(3):263–70 (41 ref.)

Optic neuropathies: therapeutic approach. Dorigo MT, et al. **Metab Pediatr Syst Ophthalmol** 1990;13(2–4):106–10 (26 ref.)

ETIOLOGY

Hematoma of the optic nerve sheath after penetrating trauma. Stonecipher KG, et al. **South Med J** 1990 Oct;83(10):1230–1 (4 ref.)

[Optic neuropathy and Lyme disease] Safran AB, et al. **Bull Soc Belge Ophtalmol** 1990;236:1–9 (54 ref.) (Eng. Abstr.) **(Fre)**

[Basedow's neuropathy] Douat C, et al. **Bull Soc Ophtalmol Fr** 1990 Jun–Jul;90(6–7):693–8 (24 ref.) (Eng. Abstr.) **(Fre)**

[Isolated sphenoidal aspergillosis presenting as an optic neuropathy] Cudennec YF, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(3):227–30 (14 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Optic nerve sheath meningoceles. Clinical and radiographic features in 13 cases with a review of the literature [see comments] Garrity JA, et al. **Ophthalmology** 1990 Nov; 97(11):1519–31 (46 ref.) Comment in: Ophthalmology 1991 May;98(5):562.

PHYSIOPATHOLOGY

Optic nerve sheath decompression: a clinical review and proposed pathophysiologic mechanism. Sergott RC, et al. **Aust N Z J Ophthalmol** 1990 Nov;18(4):365–73 (38 ref.)

RADIOGRAPHY

Neuroradiological examinations in optic neuropathies. Tittarelli R, et al. **Metab Pediatr Syst Ophthalmol** 1990; 13(2–4):55–9 (15 ref.)

RADIOTHERAPY

Efficacy and complications of radiotherapy of anterior visual pathway tumors. Capo H, et al. **Neurol Clin** 1991 Feb; 9(1):179–203 (131 ref.)

THERAPY

Optic pathway gliomas in neurofibromatosis. Dunn DW, et al. **Dev Med Child Neurol** 1990 Sep;32(9):820–4 (25 ref.)

ULTRASONOGRAPHY

Optic neuropathies: diagnostic role of standardized echography. Doro D. **Metab Pediatr Syst Ophthalmol** 1990; 13(2–4):67–71 (7 ref.)

OPTIC NEURITIS

Optic neuritis. Sedwick LA. **Neurol Clin** 1991 Feb; 9(1):97–114 (73 ref.)

COMPLICATIONS

[The risk of multiple sclerosis development in patients with idiopathic optic neuritis: prognosis and other problems] Cendrowski W. **Neurol Neurochir Pol** 1991 Jan–Feb; 25(1):87–93 (22 ref.) (Eng. Abstr.) **(Pol)**

ETIOLOGY

Systemic associations of optic neuritis. McCrary JA 3d. **Int Ophthalmol Clin** 1991 Summer;31(3):163–73 (46 ref.)

PHYSIOPATHOLOGY

Demyelinating optic neuritis: clinical features and differential diagnosis. Francis DA. **Br J Hosp Med** 1991 Jun; 45(6):376–9 (19 ref.)

OPTIC PAPILLA see **OPTIC DISK**

OPTIC TECTUM see **SUPERIOR COLLICULUS**

OPTICAL READERS see **AUTOMATIC DATA PROCESSING**

OPTICAL ROTATORY DISPERSION

A review of the application of chiroptical methods to analytical chemistry. Gergely A. **J Pharm Biomed Anal** 1989;7(5):523–41 (139 ref.)

OPTICS

see related
VISION

Optical studies of early developing cardiac and neural activities using voltage-sensitive dyes. Kamino K. **Jpn J Physiol** 1990;40(4):443–61 (62 ref.)

ORAL EROTIC STAGE see **ORAL STAGE**

ORAL HEALTH

see related
DENTAL HEALTH SURVEYS
DIAGNOSIS, ORAL
MOUTH DISEASES

Validation of oral status indicators. Jakobsen JR, et al. **Community Dent Health** 1990 Sep;7(3):279–84 (15 ref.)

Associations of self-reported dental health and general health measures in the Rand Health Insurance Experiment. Dolan TA, et al. **Community Dent Oral Epidemiol** 1991 Feb; 19(1):1–8 (37 ref.)

Measurement of oral status and treatment need among subjects with dental prostheses: are the measures less reliable than the prostheses? Part I: Oral status in removable prosthodontics. Gordon SR. **J Prosthet Dent** 1991 May; 65(5):664–8 (45 ref.)

Measurement of oral status and treatment need among subjects with dental prostheses: are the measures less reliable than the prostheses? Part II: Treatment need in removable prosthodontics. Gordon SR. **J Prosthet Dent** 1991 Jun;65(6):801–3 (22 ref.)

Oral health policy issues for women and children. Allukian M Jr. **J Public Health Dent** 1990;50(6 Spec No):406–17 (31 ref.)

Oral health education and promotion in maternal and child health: a position paper. Frazier PJ, et al. **J Public Health Dent** 1990;50(6 Spec No):390–5 (34 ref.)

Resources for improving the oral health of maternal and child populations [published erratum appears in J Public Health Dent 1991 Spring;51(2):68] Johnson K, et al. **J Public Health Dent** 1990;50(6 Spec No):418–26 (23 ref.)

Contributing factors to maternal and child oral health. Nowjack-Raymer R, et al. **J Public Health Dent** 1990;50(6 Spec No):370–8 (47 ref.)

Literature and concept review: issues in maternal and child oral health. Steffensen JE. **J Public Health Dent** 1990;50(6 Spec No):358–69 (111 ref.)

Oral health status of women and children in the United States. Waldman HB. **J Public Health Dent** 1990;50(6 Spec No):379–89 (55 ref.)

Periodontal health and disease in children and adolescents. Bimstein E. **Pediatr Clin North Am** 1991 Oct;38(5):1183–207 (80 ref.)

Preventive oral health care for the infant, child, and adolescent. Griffen AL, et al. **Pediatr Clin North Am** 1991 Oct;38(5):1209–26 (23 ref.)

Oral habits. A behavioral approach. Peterson JE Jr, et al. **Pediatr Clin North Am** 1991 Oct;38(5):1289–307 (55 ref.)

STANDARDS

Standards in maternal and child oral health. Wilson AA. **J Public Health Dent** 1990;50(6 Spec No):432–8 (26 ref.)

[Dentistry in developing countries] Nilsen R. **Tidsskr Nor Laegeforen** 1991 Jun 30;111(17):2107–9 (24 ref.) (Eng. Abstr.) **(Nor)**

ORAL HYGIENE

see related
TOOTHBRUSHING

Chlorhexidine as an oral hygiene adjunct for cyclosporine-induced gingival hyperplasia. Saravia ME, et al. **ASDC J Dent Child** 1990 Sep-Oct;57(5):366–70 (40 ref.)

STANDARDS

[Dentistry in developing countries] Nilsen R. **Tidsskr Nor Laegeforen** 1991 Jun 30;111(17):2107–9 (24 ref.) (Eng. Abstr.) **(Nor)**

ORAL MEDICINE see **DENTISTRY**

ORAL REHYDRATION THERAPY see **FLUID THERAPY**

ORAL SADISTIC STAGE see **ORAL STAGE**

ORAL STAGE

[The breast and the breasts] Lebovici S, et al. **Psychiatr Enfant** 1990;33(1):5–36 (20 ref.) (Eng. Abstr.) **(Fre)**

ORAL TOBACCO see **TOBACCO, SMOKELESS**

ORBICULARIS OCULI REFLEX see **BLINKING**

ORBIT

ABNORMALITIES

Congenital craniofacial anomalies of ophthalmic importance. Fries PD, et al. **Surv Ophthalmol** 1990 Sep-Oct; 35(2):87–119 (154 ref.)

ANATOMY & HISTOLOGY

Orbital anatomy for rehabilitation: the ocularist's point of view. Willis J, et al. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:58–68 (8 ref.)

The influence of orbital and eyelid anatomy on the palpebral aperture. Jelks GW, et al. **Clin Plast Surg** 1991 Jan; 18(1):183–95 (41 ref.)

The neuroradiology of visual disturbances. Nadalo LA, et al. **Neurol Clin** 1991 Feb;9(1):1–33 (34 ref.)

Magnetic resonance imaging of the orbit. Part I. Physical principles. Dortzbach RK, et al. **Ophthal Plast Reconstr Surg** 1989;5(3):151–9 (25 ref.)

BLOOD SUPPLY

The middle meningeal artery. Its contribution to the vascularisation of the orbit. Moret J, et al. **J Neuroradiol** 1977 Jun;4(2):225–48 (25 ref.) **(Eng, Fre)**

[Orbital phlebography. Methods, anatomy and clinical considerations] Jenssen G, et al. **Tidsskr Nor Laegeforen** 1991 Apr 20;111(10):1260–2 (8 ref.) (Eng. Abstr.) **(Nor)**

PATHOLOGY

Current status of magnetic resonance imaging of the orbit. Dorfman RE, et al. **Top Magn Reson Imaging** 1990 Sep; 2(4):17–26 (51 ref.)

SURGERY

The universal orbital implant: indications and methods. Anderson RL, et al. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:88–99 (7 ref.)

Complications of dermis-fat orbital implantation. Bosniak SL. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:170–81 (13 ref.)

Subperiosteal volume augmentation of the anophthalmic socket with RTV silastic. Conn H, et al. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:220–8 (25 ref.)

Prosthesis fitting following autogenous dermis-fat orbital implantation: an ocularist's view. Gougelmann HP. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:182–3 (0 ref.)

Correcting superior sulcus deformities. Laiseca A, et al. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:229–42 (6 ref.)

Integrated orbital implants. Perry AC. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:75–81 (9 ref.)

Use of autogenous materials in reconstructing the anophthalmic socket. Petrelli RL. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:153–69 (24 ref.)

Reconstruction of the anophthalmic socket: lower eyelid malposition and canthal tendon laxity. Weiss RA, et al. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:192–208 (5 ref.)

Lateral orbitotomy—a review. McNab AA, et al. **Aust N Z J Ophthalmol** 1990 Aug;18(3):281–6 (8 ref.)

Nasal base, maxillary, and infraorbital implants—alloplastic. Hinderer UT. **Clin Plast Surg** 1991 Jan;18(1):87–105 (52 ref.)

Tailoring the cranio-orbital approach. al-Mefty O, et al. **Keio J Med** 1990 Dec;39(4):217–24 (10 ref.)

Avoiding complications following primary dermis-fat orbital implantation. Bosniak SL. **Ophthal Plast Reconstr Surg** 1985;1(4):237–41 (11 ref.)

Advances in orbital surgery. Nowinski T, et al. **Ophthal Plast Reconstr Surg** 1985;1(3):211–7 (43 ref.)

ORBITAL DISEASES

COMPLICATIONS

[Intra-orbital hydatid cyst. An uncommon site of hydatidosis. Discussion apropos of a recent case] Le Guerinel C, et al. **Neurochirurgie** 1991;37(3):200–4; discussion 204–5 (21

ref.) (Eng. Abstr.) (Fre)

DIAGNOSIS

Diagnosis and treatment of complications of enucleation and orbital implant surgery. Oberfeld S, et al. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:107–17 (13 ref.)

Magnetic resonance imaging of the orbit. Part II. Clinical applications. Dortzbach RK, et al. **Ophthal Plast Reconstr Surg** 1989;5(3):160–70 (30 ref.)

[A case of tuberculoma of the orbit with sphenoidal origin] Van Effenterre G, et al. **J Fr Ophtalmol** 1990;13(1–2):62–8 (26 ref.) (Eng. Abstr.) (Fre)

ETIOLOGY

Vision–threatening thyroid orbital disease—the clinical features. McClellan KA. **Aust N Z J Ophthalmol** 1990 Aug; 18(3):247–50 (12 ref.)

[Naso–orbito–cerebral mucormycosis. A more & more common disease] Orsel S, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(3):221–5 (13 ref.) (Eng. Abstr.) (Fre)

PATHOLOGY

Orbital myositis—a case report. Barnes C. **Aust N Z J Ophthalmol** 1990 Aug;18(3):251–5 (20 ref.)

Encysted hard contact lens appearing as an orbital mass. Friedberg ML, et al. **Ophthal Plast Reconstr Surg** 1989; 5(4):291–3 (18 ref.)

RADIOGRAPHY

[The place of HR–CT in the diagnosis of calcifying and ossifying disease processes of the eye and the orbit] Gülden JW, et al. **Rontgenpraxis** 1991 Jul;44(7):200–8 (41 ref.) (Ger)

[Orbital phlebography. Methods, anatomy and clinical considerations] Jenssen G, et al. **Tidsskr Nor Laegeforen** 1991 Apr 20;111(10):1260–2 (8 ref.) (Eng. Abstr.) (Nor)

SURGERY

Lateral orbitotomy—a review. McNab AA, et al. **Aust N Z J Ophthalmol** 1990 Aug;18(3):281–6 (8 ref.)

Advances in orbital surgery. Nowinski T, et al. **Ophthal Plast Reconstr Surg** 1985;1(3):211–7 (43 ref.)

THERAPY

Current management and treatment of complications of sinusitis in children. Gurucharri MJ, et al. **Ear Nose Throat J** 1991 Feb;70(2):107–12 (5 ref.)

ORBITAL FRACTURES

COMPLICATIONS

[Sphenoid fissure syndrome in orbital fractures. Case presentation and literature review] Menard P, et al. **Rev Stomatol Chir Maxillofac** 1991;92(3):193–8 (30 ref.) (Eng. Abstr.) (Fre)

[Post–traumatic ptosis] Waller PY, et al. **Rev Stomatol Chir Maxillofac** 1991;92(4):237–46 (17 ref.) (Eng. Abstr.) (Fre)

DIAGNOSIS

Blow–out fractures: a review. O'Hare TH. **J Emerg Med** 1991 Jul–Aug;9(4):253–63 (37 ref.)

[Diagnostic and therapeutic aspects in medial orbital fractures] Meier K, et al. **Fortschr Kiefer Gesichtschir** 1991; 36:220–2 (25 ref.) (Ger)

SURGERY

Orbital floor fractures. Dortzbach RK. **Ophthal Plast Reconstr Surg** 1985;1(2):149–51 (9 ref.)

Management of complicated fractures involving the orbits and nasoethmoid complex in young children. Crockett DM, et al. **Otolaryngol Clin North Am** 1991 Feb;24(1):119–37 (22 ref.)

Management of orbital blow–out fractures. Mathog RH. **Otolaryngol Clin North Am** 1991 Feb;24(1):79–91 (20 ref.)

Management of blow–out fractures of the orbital floor [editorial] Dutton JJ. **Surv Ophthalmol** 1991 Jan–Feb; 35(4):279–80 (8 ref.)

Management of blow–out fractures of the orbital floor. II. Early repair for selected injuries. Manson PN, et al. **Surv Ophthalmol** 1991 Jan–Feb;35(4):280–92 (71 ref.)

[Therapy of orbital floor fractures] Lentrodt J. **Fortschr Kiefer Gesichtschir** 1991;36:184–6 (8 ref.) (Ger)

[Primary reconstruction of the orbital walls] Spitzer WJ. **Fortschr Kiefer Gesichtschir** 1991;36:204–6 (39 ref.) (Ger)

[Fractures of the orbital floor. Review of 346 cases] Bernal Sprekelsen M, et al. **Acta Otorrinolaringol Esp** 1991 Jan–Feb;42(1):1–9 (88 ref.) (Eng. Abstr.) (Spa)

THERAPY

Management of blow out fractures of the orbital floor. III. The conservative approach. Putterman AM. **Surv Ophthalmol** 1991 Jan–Feb;35(4):292–8 (17 ref.)

ORBITAL NEOPLASMS

see related
EYE NEOPLASMS

Juvenile fibromatosis of the orbit: a case report with review of the literature. Campbell RJ, et al. **Br J Ophthalmol** 1991 May;75(5):313–6 (25 ref.)

Primary intraosseous hemangioma of the orbit. Report of a case and review of literature. Zucker JJ, et al. **Ophthal Plast Reconstr Surg** 1989;5(4):247–55 (32 ref.)

[Intraocular, orbital and ocular adnexal lymphoid neoplasms] Bairey O, et al. **Harefuah** 1991 Apr 1;120(7):408–10 (30 ref.) (Heb)

COMPLICATIONS

[Intraorbital involvement in multiple myeloma] Moalla M, et al. **J Fr Ophtalmol** 1990;13(6–7):365–7 (11 ref.) (Eng. Abstr.) (Fre)

IMMUNOLOGY

Melanotic schwannoma of the orbit. Immunohistochemical and ultrastructural study of a case and survey of the literature. Jensen OA, et al. **APMIS** 1990 Aug;98(8):713–23 (47 ref.)

PATHOLOGY

Primary orbital intraosseous hemangioma. Relf SJ, et al. **Ophthalmology** 1991 Apr;98(4):541–6; discussion 547 (25 ref.)

Clinical spectrum of histiocytic tumors of the orbit. Shields JA, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1990; 42:931–7 (29 ref.)

RADIOGRAPHY

CT of infantile myofibromatosis of the orbit with intracranial involvement: a case report. Stautz CC. **AJNR** 1991 Jan–Feb;12(1):184–5 (5 ref.)

RADIOTHERAPY

Treatment of orbital lymphoid tumors with electron beams. Donaldson SS, et al. **Front Radiat Ther Oncol** 1991; 25:187–200 (15 ref.)

SECONDARY

Leiomyosarcoma of the orbit. A case report and review of the literature. Kaltreider SA, et al. **Ophthal Plast Reconstr Surg** 1987;3(1):35–41 (18 ref.)

[Exophthalmos caused by orbital metastasis of prostatic carcinoma] Romero Pérez P, et al. **Arch Esp Urol** 1991 Mar;44(2):191–4 (14 ref.) (Eng. Abstr.) (Spa)

SURGERY

[Orbito–zygomatic approach: surgical technique and clinical application] Fujitsu K. **No Shinkei Geka** 1991 Apr; 19(4):301–8 (12 ref.) (Jpn)

ULTRASTRUCTURE

Melanotic schwannoma of the orbit. Immunohistochemical and ultrastructural study of a case and survey of the literature. Jensen OA, et al. **APMIS** 1990 Aug;98(8):713–23 (47 ref.)

ORCHIDECTOMY see **ORCHIECTOMY**

ORCHIECTOMY

Reasons for delay of endocrine treatment in cancer of the prostate (until symptomatic metastases occur). Christensen MM, et al. **Prog Clin Biol Res** 1990;359:7–14; discussion 15–24 (4 ref.)

Principles of androgen deprivation. Neumann F, et al. **Prog Clin Biol Res** 1990;359:75–83; discussion 105–7 (8 ref.)

Development of hormone refractory tumors: adaption versus clonal selection. Schulze H, et al. **Recent Results Cancer Res** 1990;118:153–62 (49 ref.)

Advanced prostatic carcinoma. Early versus late endocrine therapy. Kozlowski JM, et al. **Urol Clin North Am** 1991 Feb;18(1):15–24 (70 ref.)

Physiologic basis of endocrine therapy for prostatic cancer. McConnell JD. **Urol Clin North Am** 1991 Feb;18(1):1–13 (96 ref.)

Castration plus nilutamide vs castration plus placebo in advanced prostate cancer. A review. Du Plessis DJ. **Urology** 1991;37(2 Suppl):20–4 (12 ref.)

ADVERSE EFFECTS

Pathophysiology of bone loss in castrated animals. Schot LP, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):461–5 (54 ref.)

VETERINARY

Elective gonadectomy in dogs: a review. Salmeri KR, et al. **J Am Vet Med Assoc** 1991 Apr 1;198(7):1183–92 (103 ref.)

ORCHITIS

COMPLICATIONS

[Interactions between the reproductive and immune systems] Kurpisz M. **Postepy Hig Med Dosw** 1989;43(5–6):365–409 (155 ref.) (Eng. Abstr.) (Pol)

[Orchiepididymitis] Barata HS. **AMB Rev Assoc Med Bras** 1990 Jan–Mar;36(1):38–40 (18 ref.) (Por)

DIAGNOSIS

Mumps orchitis. Manson AL. **Urology** 1990 Oct;36(4):355–8 (27 ref.)

[Granulomatous orchitis] Khinev A, et al. **Khirurgiia (Sofiia)** 1991;44(3):34–8 (16 ref.) (Eng. Abstr.) (Bul)

IMMUNOLOGY

Role of testicular autoantigens and influence of lymphokines in testicular autoimmune disease. Yule TD, et al. **J Reprod Immunol** 1990 Aug;18(1):89–103 (35 ref.)

ORF see **ECTHYMA, CONTAGIOUS**

ORF VIRUS

IMMUNOLOGY

[Recent information about the orf virus of small ruminants] Büttner M, et al. **Tierarztl Prax** 1990 Aug;18(4):343–8 (33 ref.) (Eng. Abstr.) (Ger)

ORGAN CULTURE

METHODS

Whole embryo culture, teratogenesis, and the estimation of teratologic risk. New DA. **Teratology** 1990 Dec; 42(6):635–42 (36 ref.)

ORGAN DONORS see **TISSUE DONORS**

ORGAN FAILURE, MULTIPLE see **MULTIPLE ORGAN FAILURE**

ORGAN OF CORTI

PHYSIOLOGY

Genetic implications of gender differences in the prevalence of spontaneous otoacoustic emissions. Bilger RC, et al. **J Speech Hear Res** 1990 Sep;33(3):418–32 (58 ref.)

ULTRASTRUCTURE

Three–dimensional ultrastructure of cochlea. A review. Harada Y, et al. **Adv Otorhinolaryngol** 1990;45:49–68 (14 ref.)

ORGAN PRESERVATION

Review article: improved preservation of the liver for transplantation. Jamieson NV. **Aliment Pharmacol Ther** 1991 Apr;5(2):91–104 (44 ref.)

[Techniques involved in the protection of the lung and heart–lung for the purpose of transplantation] Le Gal YM. **Rev Mal Respir** 1990;7(6):535–9 (53 ref.) (Eng. Abstr.) (Fre)

METHODS

Basic principles of cardioplegic management in donor heart preservation. Havel M, et al. **Clin Ther** 1991 Mar–Apr; 13(2):289–303 (90 ref.)

Donor procurement and surgical techniques for cardiac transplantation. Yacoub M, et al. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):153–61 (59 ref.)

Advances in corneal preservation. Lindstrom RL. **Trans Am Ophthalmol Soc** 1990;88:555–648 (162 ref.)

[Heart–lung preservation: historical evolution and current research data] Legal YM, et al. **Ann Chir** 1991;45(2):141–5 (57 ref.) (Eng. Abstr.) (Fre)

[Harvesting multiple organs] Benoit G, et al. **Ann Urol (Paris)** 1990;24(5):351–5 (21 ref.) (Eng. Abstr.) (Fre)

TRENDS

Corneal preservation: past, present, and future. Bourne WM. **Refract Corneal Surg** 1991 Jan–Feb;7(1):60–1 (19 ref.)

ORGAN PROCUREMENT

see related
TISSUE DONORS

Is altruism enough? Required request and the donation of cadaver organs and tissues in the United States. Caplan AL, et al. **Crit Care Clin** 1990 Oct;6(4):1007–18 (15 ref.)

Ethical considerations and controversies in transplantation. Bell NK, et al. **J S C Med Assoc** 1991 Jun;87(6):336–9 (13 ref.)

Donor procurement and surgical techniques for cardiac

transplantation. Yacoub M, et al.
Semin Thorac Cardiovasc Surg 1990 Apr;2(2):153–61 (59 ref.)
Anencephalic infants and special relationships. Jecker NS. **Theor Med** 1990 Dec;11(4):333–42 (23 ref.)

LEGISLATION & JURISPRUDENCE

Juridical and liability reflexes of bone marrow processing. Flores A. **Haematologica** 1991 Mar;76 Suppl 1:50–1 (11 ref.)
Obtaining consent for organ donation: the role of the healthcare profession. Rudy LA, et al.
J S C Med Assoc 1991 Jun;87(6):307–10 (5 ref.)

METHODS

[Harvesting multiple organs] Benoit G, et al.
Ann Urol (Paris) 1990;24(5):351–5 (21 ref.) (Eng. Abstr.) **(Fre)**

STANDARDS

Procurement, banking and decontamination of bone and collagenous tissue allografts: guidelines for infection control. Angermann P, et al. **J Hosp Infect** 1991 Mar; 17(3):159–69 (83 ref.)

ORGAN PROCUREMENT FOUNDATIONS see **ORGAN PROCUREMENT**

ORGAN PROCUREMENT SYSTEMS see **ORGAN PROCUREMENT**

ORGAN SPECIFICITY

IMMUNOLOGY

Pathogenetic aspects of organ-specific autoimmunity. Ricci M. **Ann Ital Med Int** 1988;3 Suppl 1:71–82 (38 ref.)

PHYSIOLOGY

Carcinogenicity of tobacco-specific N-nitrosamines (TSNA): the role of the vascular network in the selection of target organs. Rivenson A, et al. **Crit Rev Toxicol** 1991; 21(4):255–64 (39 ref.)

ORGAN TEMPERATURE see **BODY TEMPERATURE**

ORGAN TRANSPLANTATION

Organ transplantation and pregnancy. A case report and review. Kirk EP. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 1):1629–33; discussion 1633–4 (18 ref.)
The role of vascular endothelial cells in transplantation. Sedmak DD, et al. **Arch Pathol Lab Med** 1991 Mar; 115(3):260–5 (81 ref.)
The role of the clinical microbiology laboratory in transplantation. Walker RC. **Arch Pathol Lab Med** 1991 Mar;115(3):299–305 (78 ref.)
Organ transplantation and immunosuppressive drugs in pregnancy. Sims CJ. **Clin Obstet Gynecol** 1991 Mar; 34(1):100–11 (22 ref.)
Problems related to immunosuppression. Infection and malignancy occurring after solid organ transplantation. Dunn DL. **Crit Care Clin** 1990 Oct;6(4):955–77 (77 ref.)
Solid organ transplantation. Where has it been, where is it going? Dunn DL, et al. **Crit Care Clin** 1990 Oct;6(4):813–9 (49 ref.)
General principles of perioperative transplant care. Gruber SA, et al. **Crit Care Clin** 1990 Oct;6(4):893–8 (3 ref.)
Emerging indications for the use of cyclosporin in organ transplantation and autoimmunity. Keown PA. **Drugs** 1990 Sep;40(3):315–25 (80 ref.)
Organ transplantations: from basic research to clinical applications. A personal odyssey. Häyry P.
Int J Dev Biol 1989 Mar;33(1):189–95 (36 ref.)
Ethical considerations and controversies in transplantation. Bell NK, et al. **J S C Med Assoc** 1991 Jun;87(6):336–9 (13 ref.)
Medical aspects of transplantation. Crumbley AJ 3d, et al. **J S C Med Assoc** 1991 Jun;87(6):313–28 (18 ref.)
The role of OKT3 in clinical transplantation. Norman DJ, et al. **Pediatr Nephrol** 1991 Jan;5(1):130–6 (106 ref.)
Antimicrobial chemoprophylaxis in immunocompromised patients. Frøland SS. **Scand J Infect Dis Suppl** 1990; 70:130–40 (42 ref.)
B-cell lymphoma in organ transplant recipients. Thomas JA, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):221–32 (58 ref.)
Extrapulmonary cytomegalovirus disease in transplant patients. Petersen EA. **Transplant Proc** 1991 Apr;23(2 Suppl 1):13–6 (28 ref.)
[Organization of organ transplantation in France] Colpart JJ, et al. **Pediatrie** 1991;46(4):313–22 (19 ref.) (Eng. Abstr.) **(Fre)**
[Infections in organ transplantations] Holzinger C, et al.
Zentralbl Chir 1990;115(17):1091–9 (53 ref.) (Eng. Abstr.) **(Ger)**
[Experimental organ transplantation (presentation of a book)] Arias Pérez J. **An R Acad Nac Med (Madr)** 1990; 107(1):63–74 (49 ref.) **(Spa)**

ADVERSE EFFECTS

Pulmonary considerations of organ transplantation. Part I. Ettinger NA, et al. **Am Rev Respir Dis** 1991 Jun; 143(6):1386–405 (219 ref.)
Psychopharmacology and neuropsychiatric syndromes in organ transplantation. Trzepacz PT, et al.
Gen Hosp Psychiatry 1991 Jul;13(4):233–45 (86 ref.)
[Cytomegalovirus infections in transplant patients (editorial)] Charpentier B. **Presse Med** 1991 Jun 22;20(24):1107–8 (10 ref.) **(Fre)**

ECONOMICS

Third party payment and the cost of transplantation. Evans RW. **J S C Med Assoc** 1991 Jun;87(6):345–52 (22 ref.)

LEGISLATION & JURISPRUDENCE

Organ transplantation: the Latin American legislative response. Fuenzalida-Puelma HL.
Bull Pan Am Health Organ 1990;24(4):425–45 (18 ref.)

METHODS

The many faces of multivisceral transplantation. Starzl TE, et al. **Surg Gynecol Obstet** 1991 May;172(5):335–44 (48 ref.)
Selected topics on FK 506, with special references to rescue of extrahepatic whole organ grafts, transplantation of "forbidden organs," side effects, mechanisms, and practical pharmacokinetics. Starzl TE, et al. **Transplant Proc** 1991 Feb;23(1 Pt 2):914–9 (24 ref.)
[Cyclosporin A in organ transplantation] Juszczyński M.
Pol Tyg Lek 1989 Sep 4–25;44(36–39):846–50 (15 ref.) **(Pol)**

PHYSIOLOGY

[The role of HLA antigens in organ transplantation] Krynicki M. **Pol Tyg Lek** 1989 Sep 4–25;44(36–39):851–4, 857 (21 ref.) **(Pol)**
[Oxygen free radicals and organ transplants] Colomer J, et al. **Rev Quir Esp** 1988 Nov–Dec;15(6):305–12 (34 ref.) (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Psychological guidelines in the management of paediatric organ transplantation. Bradford R, et al. **Arch Dis Child** 1990 Sep;65(9):1000–3 (39 ref.)
Psychological and psychiatric aspects of organ and tissue transplantation. Roberts JM. **J S C Med Assoc** 1991 Jun; 87(6):355–7 (10 ref.)

STATISTICS & NUMERICAL DATA

The epidemiology of organ transplantation in South Carolina. Fitts CT, et al. **J S C Med Assoc** 1991 Jun;87(6):302–6 (9 ref.)

ORGAN TRANSPLANTS see **ORGAN TRANSPLANTATION**

ORGANELLES

From fungi to flies: pattern and form in the cell cycle. Gull K. **Curr Opin Cell Biol** 1991 Apr;3(2):247–52 (29 ref.)
The annulate lamellae—from obscurity to spotlight. Kessel RG. **Electron Microsc Rev** 1989;2(2):257–348 (472 ref.)

CHEMISTRY

Synaptophysin. A widespread constituent of small neuroendocrine vesicles and a new tool in tumor diagnosis. Wiedenmann B. **Acta Oncol** 1991;30(4):435–40 (52 ref.)

METABOLISM

Optical method. Chance B.
Annu Rev Biophys Biophys Chem 1991;20:1–28 (151 ref.)
Intracellular Ca2+ storage organelles in non-muscle cells: heterogeneity and functional assignment. Meldolesi J, et al. **Biochim Biophys Acta** 1990 Nov 12;1055(2):130–40 (124 ref.)
Role of intracellular organelles in the hepatic transport of bile acids. Erlinger S. **Biomed Pharmacother** 1990; 44(8):409–16 (61 ref.)
Lipid traffic in eukaryotic cells: mechanisms for intracellular transport and organelle-specific enrichment of lipids. Pagano RE. **Curr Opin Cell Biol** 1990 Aug;2(4):652–63 (17 ref.)
Ca(2+)-storage organelles. Krause KH. **FEBS Lett** 1991 Jul 22;285(2):225–9 (42 ref.)
The molecular control of transport vesicle fusion. Wattenberg BW. **New Biol** 1990 Jun;2(6):505–11 (50 ref.)

PHYSIOLOGY

Molecular aspects of plastid envelope biochemistry. Joyard J, et al. **Eur J Biochem** 1991 Aug 1;199(3):489–509 (268 ref.)
Kinesin interactions with membrane bounded organelles in vivo and in vitro. Brady ST, et al. **J Cell Sci Suppl** 1991; 14:103–8 (35 ref.)

ULTRASTRUCTURE

Ultrastructure and composition of refractile bodies found in certain bacteria. Gibson I, et al. **Electron Microsc Rev** 1988; 1(1):39–68 (40 ref.)
Cellulolysis: ultrastructural aspects of bacterial systems. Mayer F. **Electron Microsc Rev** 1988;1(1):69–85 (68 ref.)

ORGANIC BRAIN SYNDROME, NONPSYCHOTIC see **ORGANIC MENTAL DISORDERS**

ORGANIC BRAIN SYNDROME, PSYCHOTIC see **ORGANIC MENTAL DISORDERS, PSYCHOTIC**

ORGANIC BRAIN SYNDROME, SUBSTANCE-INDUCED see **ORGANIC MENTAL DISORDERS, SUBSTANCE-INDUCED**

ORGANIC HALLUCINOSIS see **ORGANIC MENTAL DISORDERS, PSYCHOTIC**

ORGANIC MENTAL DISORDERS

CLASSIFICATION

[Psychiatric disorders in epilepsy--1: Psychiatric classification] Herzer H, et al. **Z Arztl Fortbild (Jena)** 1990; 84(15):753–5 (41 ref.) **(Ger)**

COMPLICATIONS

[Neuropsychiatric disorders in systemic lupus erythematosus: a multidisciplinary review] Miguel Filho EC, et al.
Rev Paul Med 1990 Jul-Aug;108(4):174–82 (70 ref.) (Eng. Abstr.) **(Por)**

DIAGNOSIS

Depressive disorders and dementia: the clinical view. Lauter H, et al. **Acta Psychiatr Scand Suppl** 1991;366:40–6 (56 ref.)
Magnetic resonance imaging and its applications in neuropsychiatry. Besson JA. **Br J Psychiatry Suppl** 1990; (9):25–37 (49 ref.)
Cognitive brain potentials and their application. Blackwood DH, et al. **Br J Psychiatry Suppl** 1990;(9):96–101 (50 ref.)
Psychiatry and the new magnetic resonance era. Lock T, et al. **Br J Psychiatry Suppl** 1990;(9):38–55 (71 ref.)
Diagnosis and treatment of psychiatric disorders in medically ill inpatients. Fulop G, et al.
Hosp Community Psychiatry 1991 Apr;42(4):389–94 (57 ref.)
Post-stroke depression. Chalmers GL.
Int Clin Psychopharmacol 1990 Jul;5 Suppl 3:21–31 (44 ref.)
Pediatric behavioral neurology: an update on the neurologic aspects of depression, hyperactivity, and learning disabilities [published erratum appears in Neurol Clin 1991 Feb;9(1):viii] Brumback RA, et al. **Neurol Clin** 1990 Aug; 8(3):677–703 (157 ref.)
Research on the clinical usefulness of the Rorschach: 2. The assessment of cerebral dysfunction. Frank G.
Percept Mot Skills 1991 Feb;72(1):103–11 (49 ref.)
Two-tier diagnosing in psychiatry. van Praag HM.
Psychiatry Res 1990 Oct;34(1):1–11 (50 ref.)
Psychological and behavioral factors affecting medical conditions and DSM-IV. An overview. Stoudemire A, et al. **Psychosomatics** 1991 Winter;32(1):5–13 (33 ref.)
[Psychiatric evaluation of organic diseases] Salvador L, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1990 Nov-Dec;18(6):403–10 (28 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Effect of nootropic and psycho-stimulants on children with infantile brain damages. Vehreschild T.
Acta Paedopsychiatr 1990;53(2):163–7 (26 ref.)
Pharmacologic management of aggression in the elderly. Yudofsky SC, et al. **J Clin Psychiatry** 1990 Oct;51 Suppl:22–8; discussion 29–32 (44 ref.)
Psychotropic drug use in the medically ill. Part II. Stoudemire A, et al. **Psychosomatics** 1991 Winter; 32(1):34–46 (169 ref.)
Psychotropic drug use in the medically ill: Part I. Stoudemire A, et al. **Psychosomatics** 1990 Fall;31(4):377–91 (103 ref.)

ETIOLOGY

Neurological complications of bacterial endocarditis. Bertorini TE, et al. **Compr Ther** 1990 Dec;16(12):47–55 (32 ref.)
Developmental neuropsychiatry. Taylor E.
J Child Psychol Psychiatry 1991 Jan;32(1):3–47 (210 ref.)
[Changes in diagnostic and therapeutic viewpoints: biological psychiatry aspects] Martinius J.
Prax Kinderpsychol Kinderpsychiatr 1990 Nov-Dec; 39(9–10):353–7 (50 ref.) (Eng. Abstr.) **(Ger)**
[Central nervous system risk factors in heart surgery] Rodewald G, et al. **Z Kardiol** 1990;79 Suppl 4:13–21 (74 ref.) (Eng. Abstr.) **(Ger)**
[Neuro-psychiatric symptoms in systemic lupus erythematosus] Kowal-Gierczak B, et al. **Psychiatr Pol** 1990 May-Jun;24(3):225–30 (36 ref.) **(Pol)**
[AIDS—psychiatric problems] Lutyńska E. **Psychiatr Pol** 1990 Mar-Apr;24(2):160–4 (14 ref.) **(Pol)**
[The pathogenetic, clinical and treatment problems of the mental disorders in brain trauma] Smirnov VK, et al.
Voen Med Zh 1991 Jan;(1):39–44 (19 ref.) (Eng. Abstr.) **(Rus)**
[Search for early prognostic factors in schizophrenia: current problems (review of the literature)] Koloskova MV, et al.

Zh Nevropatol Psikhiatr 1990;90(9):120–5 (71 ref.) **(Rus)**
[Mild closed cranio-cerebral injury in children (review of the literature)] Morkhedzh A. **Zh Nevropatol Psikhiatr** 1990;90(8):114–8 (96 ref.) **(Rus)**

GENETICS

[Historic, social psychiatric, genetic and anthropologic aspects of turricephaly] Fehlow P. **Padiatr Grenzgeb** 1990; 29(4):305–17 (69 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

[Present-day neurological anatomy of schizophrenia (review of foreign literature] Orlovskaia DD, et al.
Zh Nevropatol Psikhiatr 1990;90(10):114–20 (82 ref.) **(Rus)**

PHYSIOPATHOLOGY

Neuropeptide Y: an overview of central distribution, functional aspects, and possible involvement in neuropsychiatric illnesses. Heilig M, et al.
Acta Psychiatr Scand 1990 Aug;82(2):95–114 (265 ref.)
The role of nicotine and nicotinic mechanisms in neuropsychiatric disease. Newhouse PA, et al.
Br J Addict 1991 May;86(5):521–6 (45 ref.)
Amnesia: lesion location and functional deficit—what is the link? [editorial] Mayes A. **Psychol Med** 1991 May; 21(2):293–7 (25 ref.)
Obsessive compulsive disorder and basal ganglia dysfunction [editorial] Rapoport JL. **Psychol Med** 1990 Aug;20(3):465–9 (37 ref.)
Counterpoint: a sensory gating—hippocampal model of schizophrenia [comment] Adler LE, et al.
Schizophr Bull 1991;17(1):19–24 (35 ref.) Comment on: Schizophr Bull 1991;17(1):15–8.

PSYCHOLOGY

Affect regulation and psychopathology: bridging the mind–body gap. Bradley SJ. **Can J Psychiatry** 1990 Aug; 35(6):540–7 (62 ref.)
Neuropsychiatric aspects of stroke. Beckson M, et al.
Int J Psychiatry Med 1991;21(1):1–15 (86 ref.)
The neuropsychiatry of Wilson's disease: a review. Dening TR. **Int J Psychiatry Med** 1991;21(2):135–48 (65 ref.)
Traumatic brain injury and marital relationships: a literature review. Liss M, et al. **Int J Rehabil Res** 1990;13(4):309–20 (52 ref.)
Psychiatric aspects of hyperthyroidism. Jadresic DP.
J Psychosom Res 1990;34(6):603–15 (92 ref.)
Depression and anxiety secondary to medical illness. Cassem EH. **Psychiatr Clin North Am** 1990 Dec;13(4):597–612 (51 ref.)
Switch processes and rapid cycling in bipolar affective disorders, cycloid psychoses and nonsystematic schizophrenia. Bräunig P. **Psychopathology** 1990; 23(4–6):291–302 (63 ref.)
Psychological factors affecting neurological conditions. Depression and stroke, multiple sclerosis, Parkinson's disease, and epilepsy. McNamara ME. **Psychosomatics** 1991 Summer;32(3):255–67 (76 ref.)
The psychopathology of Huntington's disease. Folstein SE. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:181–91 (40 ref.)
Organic delusional syndrome. Gorman DG, et al.
Semin Neurol 1990 Sep;10(3):229–38 (74 ref.)
[Psychosocial management of glioma patients treated with combined therapy] Schmidt B, et al.
Psychiatr Neurol Med Psychol (Leipz) 1990 Aug; 42(8):494–9 (16 ref.) (Eng. Abstr.) **(Ger)**
[Psychiatric disorders in epilepsy—2: Results of clinico-psychologic studies] Herzer H, et al.
Z Arztl Fortbild (Jena) 1990;84(15):756–9 (41 ref.) **(Ger)**

RADIONUCLIDE IMAGING

Positron emission tomography in the study of brain metabolism in psychiatric and neuropsychiatric disorders. Bench CJ, et al. **Br J Psychiatry Suppl** 1990;(9):82–95 (85 ref.)

REHABILITATION

Pre- and postoperative rehabilitation related to epilepsy surgery. Silfvenius H. **Acta Neurochir Suppl (Wien)** 1990; 50:100–6 (64 ref.)
Behavioral approaches to neuropsychological rehabilitation. McGlynn SM. **Psychol Bull** 1990 Nov;108(3):420–41 (90 ref.)
[Psychiatric aspect of rehabilitation of patients after cerebro-spinal injury (review of the literature)] Dobrokhotova TA, et al. **Zh Nevropatol Psikhiatr** 1990;90(12):94–100 (142 ref.) **(Rus)**
[Rehabilitation in old age: a neuropsychological perspective] Fernández Merino V, et al. **Arch Neurobiol (Madr)** 1990 Mar–Apr;53(2):81–3 (10 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

The psychotherapies in the context of new developments in the neurosciences and biological psychiatry. Gottschalk LA. **Am J Psychother** 1990 Jul;44(3):321–39 (111 ref.)
Ability to avoid premature treatment. A skill of consultation-liaison psychiatrists. Granet RB, et al.
Gen Hosp Psychiatry 1990 Sep;12(5):323–8 (22 ref.)
Methodology in consultation–liaison research: a classification of biases. Levenson JL, et al. **Psychosomatics** 1990 Fall; 31(4):367–76 (54 ref.)
[Treatment of depression in old age] Krzymiński S.
Psychiatr Pol 1989 Sep–Dec;23(5–6):387–95 (58 ref.) **(Pol)**

ORGANIC MENTAL DISORDERS, DRUG-INDUCED see **ORGANIC MENTAL DISORDERS, SUBSTANCE-INDUCED**

ORGANIC MENTAL DISORDERS, PSYCHOTIC

DIAGNOSIS

Cognitive brain potentials and their application. Blackwood DH, et al. **Br J Psychiatry Suppl** 1990;(9):96–101 (50 ref.)
Affective disorder and physical illness in old age. Philpott RM. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:7–20 (90 ref.)
Reduplication and the syndrome of Capgras. Weinstein EA, et al. **Psychiatry** 1991 Feb;54(1):78–88 (60 ref.)
Considerations on "organic" exclusion criteria for schizophrenia. Kane JM, et al. **Schizophr Bull** 1991; 17(1):69–73 (26 ref.)
Brain magnetic resonance imaging: approaches for investigating schizophrenia. Pfefferbaum A, et al.
Schizophr Bull 1990;16(3):453–76 (63 ref.)
A selective review of biological markers in schizophrenia. Szymanski S, et al. **Schizophr Bull** 1991;17(1):99–111 (110 ref.)
[Kleine–Levin syndrome] Wurthmann C, et al.
Fortschr Neurol Psychiatr 1991 May;59(5):190–4 (67 ref.) (Eng. Abstr.) **(Ger)**
[Psychoses in epilepsy] Diehl LW.
Psychiatr Neurol Med Psychol (Leipz) 1990 Sep; 42(9):513–37 (90 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Antipsychotics in the elderly. Rosen J, et al.
Acta Psychiatr Scand Suppl 1990;358:170–5 (61 ref.)
Psychotropic drug use in the medically ill. Part II. Stoudemire A, et al. **Psychosomatics** 1991 Winter; 32(1):34–46 (169 ref.)
Neuroleptics: effects on neuropsychological function in chronic schizophrenic patients. Cassens G, et al.
Schizophr Bull 1990;16(3):477–99 (70 ref.)

ETIOLOGY

New-onset psychosis in HIV-infected patients. Harris MJ, et al. **J Clin Psychiatry** 1991 Sep;52(9):369–76 (41 ref.)
[Changes in diagnostic and therapeutic viewpoints: biological psychiatry aspects] Martinius J.
Prax Kinderpsychol Kinderpsychiatr 1990 Nov–Dec; 39(9–10):353–7 (50 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

The genetics of schizophrenia is the genetics of neurodevelopment. Jones P, et al. **Br J Psychiatry** 1991 May;158:615–23 (110 ref.)
The functional psychoses—are oncogenes involved in their pathogenesis? Some speculations. Leach J.
Br J Psychiatry 1991 Apr;158:563–8 (75 ref.)

PATHOLOGY

Schizophrenia: a neuropathological perspective. Roberts GW. **Br J Psychiatry** 1991 Jan;158:8–17 (80 ref.)
A viral-anatomical explantation of schizophrenia [see comments] Torrey EF. **Schizophr Bull** 1991;17(1):15–8 (24 ref.) Comment in: Schizophr Bull 1991;17(1):19–24.

PHYSIOPATHOLOGY

Neurobiology of schizophrenic syndromes [see comments] Garza-Treviño ES, et al. **Hosp Community Psychiatry** 1990 Sep;41(9):971–80 (101 ref.) Comment in: Hosp Community Psychiatry 1991 Apr;42(4):429.
The brain in schizophrenia. Ron MA, et al.
J Neurol Neurosurg Psychiatry 1990 Sep;53(9):725–6 (40 ref.)
Neurobehavioral studies in schizophrenia: implications for regional brain dysfunction. Gur RE, et al.
Schizophr Bull 1990;16(3):445–51 (45 ref.)

PSYCHOLOGY

The hypoparathyroid syndrome: psychiatric observations and case description. Levine Y, et al.
Isr J Psychiatry Relat Sci 1990;27(4):242–6 (10 ref.)
The psychopathology of Huntington's disease. Folstein SE. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:181–91 (40 ref.)

RADIOGRAPHY

Computerised tomography in schizophrenia 15 years on. Lewis SW. **Br J Psychiatry Suppl** 1990;(9):16–24 (100 ref.)

RADIONUCLIDE IMAGING

Positron emission tomography in the study of brain metabolism in psychiatric and neuropsychiatric disorders. Bench CJ, et al. **Br J Psychiatry Suppl** 1990;(9):82–95 (85 ref.)

ORGANIC MENTAL DISORDERS, SUBSTANCE-INDUCED

CLASSIFICATION

[Psychiatric disorders in epilepsy—1: Psychiatric classification] Herzer H, et al. **Z Arztl Fortbild (Jena)** 1990; 84(15):753–5 (41 ref.) **(Ger)**

DIAGNOSIS

New approaches to research on the long-term consequences of prenatal exposure to alcohol. West JR, et al.
Alcohol Clin Exp Res 1990 Oct;14(5):684–9 (64 ref.)
Occupational neurotoxicology: some neuropsychological issues and challenges. Hawkins KA.
J Clin Exp Neuropsychol 1990 Oct;12(5):664–80 (50 ref.)

PHYSIOPATHOLOGY

The role of nicotine and nicotinic mechanisms in neuropsychiatric disease. Newhouse PA, et al.
Br J Addict 1991 May;86(5):521–6 (45 ref.)

ORGANIZATIONAL POLICY

Comparative policies of two national dental associations: Norway and the United States. Heløe LA.
J Public Health Policy 1991 Summer;12(2):209–28 (32 ref.)

ORGANIZATIONS

[Partnership networks and social organizations] Defert D.
Bull Acad Natl Med 1990 Nov;174(8):1187–96; discussion 1196–7 (11 ref.) (Eng. Abstr.) **(Fre)**

ORGANOCHLORINE INSECTICIDES see **INSECTICIDES, ORGANOCHLORINE**

ORGANOMERCURY COMPOUNDS

TOXICITY

The neurotoxicology and pathology of organomercury, organolead, and organotin. Chang LW. **J Toxicol Sci** 1990 Dec;15 Suppl 4:125–51 (110 ref.)

ORGANOMETALLIC COMPOUNDS

Tolerance data of Gd-DTPA: a review. Niendorf HP, et al. **Eur J Radiol** 1991 Jul–Aug;13(1):15–20 (7 ref.)

ADVERSE EFFECTS

[Fatal hepatic necrosis due to a treatment course of rheumatoid arthritis with gold salts] Van Linthoudt D, et al. **Schweiz Med Wochenschr** 1991 Jul 27;121(30):1099–102 (38 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

Magnetic resonance knee arthrography. Enhanced contrast by gadolinium complex in the rabbit and in humans. Engel A. **Acta Orthop Scand Suppl** 1990;240:1–57 (80 ref.)
Gadopentetate dimeglumine-enhanced MR imaging of the musculoskeletal system. Beltran J, et al.
AJR Am J Roentgenol 1991 Mar;156(3):457–66 (58 ref.)
Magnetic resonance imaging contrast agents: theory and application to the central nervous system. Bronen RA, et al. **J Neurosurg** 1990 Dec;73(6):820–39 (82 ref.)
Antimyosin cardiac imaging: will it play a role in the detection of doxorubicin cardiotoxicity? [editorial; comment] Jain D, et al. **J Nucl Med** 1990 Dec; 31(12):1970–4 (26 ref.) Comment on: J Nucl Med 1990 Dec;31(12):1965–9.
Cardiac blood-pool tracers [editorial; comment] Subramanian KM. **J Nucl Med** 1991 Mar;32(3):480–2 (12 ref.) Comment on: J Nucl Med 1991 Mar;32(3):475–80.
Immunoscintigraphy with 111In antimyosin Fab. Morguet AJ, et al. **Nucl Med Commun** 1990 Nov;11(11):727–35 (46 ref.)

METABOLISM

[Biochemistry of organometallic compounds] Riabov AD, et al. **Biokhimiia** 1990 Jul;55(7):1155–68 (63 ref.) (Eng. Abstr.) **(Rus)**

PHARMACOKINETICS

Effects of lipophilic complex formation on the uptake and distribution of some metals in fish. Tjälve H, et al.
Pharmacol Toxicol 1991 Jun;68(6):430–9 (48 ref.)

PHARMACOLOGY

New tumor-inhibiting metal complexes. Keppler BK, et al.
Cancer Treat Rev 1990 Sep;17(2–3):261–77 (41 ref.)
Pharmacology of synthetic organic selenium compounds. Parnham MJ, et al. **Prog Drug Res** 1991;36:9–47 (133 ref.)

THERAPEUTIC USE

[Prevention of duodenal ulcer recurrence. A new prospect]

Soulé JC. **Presse Med** 1991 Mar 16;20(10):465–70 (37 ref.) (Eng. Abstr.) **(Fre)**
[Visceral leishmaniasis of favourable course in a patient with renal transplantation] Le Cacheux P, et al. **Rev Med Interne** 1990 May–Jun;11(3):250–1 (10 ref.) (Eng. Abstr.) **(Fre)**

TOXICITY

Review of lead toxicology relevant to the safety assessment of lead acetate as a hair colouring. Cohen AJ, et al. **Food Chem Toxicol** 1991 Jul;29(7):485–507 (205 ref.)
The neurotoxicology and pathology of organomercury, organolead, and organotin. Chang LW. **J Toxicol Sci** 1990 Dec;15 Suppl 4:125–51 (110 ref.)

ORGANOPHOSPHORUS COMPOUNDS

see related
INSECTICIDES, ORGANOPHOSPHATE

PHARMACOLOGY

Broad-spectrum anti-DNA virus and anti-retrovirus activity of phosphonylmethoxyalkylpurines and -pyrimidines. De Clercq E. **Biochem Pharmacol** 1991 Aug 8;42(5):963–72 (69 ref.)

POISONING

Treatment of acute organophosphate poisoning. Lotti M. **Med J Aust** 1991 Jan 7;154(1):51–5 (44 ref.)
[Immune homeostasis in acute poisoning by organophosphorus compounds (a review of the literature)] Zabrodskiĭ PF. **Voen Med Zh** 1990 Dec;(12):34–7 (36 ref.) **(Rus)**

THERAPEUTIC USE

Therapeutic potential of phosphonylmethoxyalkylpurines and -pyrimidines as antiviral agents. De Clercq E. **Drugs Exp Clin Res** 1990;16(7):319–26 (27 ref.)

TOXICITY

Dopamine in organophosphate-induced neurotoxicity. Ho IK, et al. **J Toxicol Sci** 1990 Dec;15 Suppl 4:159–61 (5 ref.)
Enzymes as pretreatment drugs for organophosphate toxicity. Doctor BP, et al. **Neurosci Biobehav Rev** 1991 Spring; 15(1):123–8 (18 ref.)

ORGANOPLATINUM COMPOUNDS

PHARMACOLOGY

Platinum compounds. Belani CP, et al. **Curr Opin Oncol** 1989 Dec;1(2):186–91 (32 ref.)

ORGANOTECHNETIUM COMPOUNDS

DIAGNOSTIC USE

Experimental studies of the physiologic properties of technetium-99m isonitriles. Beller GA, et al. **Am J Cardiol** 1990 Oct 16;66(13):5E–8E (12 ref.)
Clinical experience with technetium-99m teboroxime, a neutral, lipophilic myocardial perfusion imaging agent. Johnson LL, et al. **Am J Cardiol** 1990 Oct 16; 66(13):63E–67E (13 ref.)
Myocardial perfusion imaging with technetium-99m-labeled agents. Maddahi J, et al. **Am J Cardiol** 1991 May 21; 67(14):27D–34D (59 ref.)
Myocardial perfusion imaging with technetium-99m sestamibi SPECT in the evaluation of coronary artery disease. Maddahi J, et al. **Am J Cardiol** 1990 Oct 16; 66(13):55E–62E (32 ref.)
Experimental studies of the physiologic properties of technetium-99m agents: myocardial transport of perfusion imaging agents. Meerdink DJ, et al. **Am J Cardiol** 1990 Oct 16;66(13):9E–15E (27 ref.)
Animal models in radiotracer design of a Tc-labelled myocardial perfusion imaging agent. Mousa SA. **Am J Physiol Imaging** 1991;6(1):16–25 (22 ref.)
The new 99mTc myocardial perfusion imaging agents: 99mTc-sestamibi and 99mTc-teboroxime. Berman DS, et al. **Circulation** 1991 Sep;84(3 Suppl):I7–21 (73 ref.)
99Tcm(V) DMSA: what is its current role in the management of patients with head and neck cancer? [editorial] [published erratum appears in Nucl Med Commun 1991 May;12(5):469] Watkinson J, et al. **Nucl Med Commun** 1991 Feb;12(2):79–82 (17 ref.)

ORGANOTIN COMPOUNDS

TOXICITY

The neurotoxicology and pathology of organomercury, organolead, and organotin. Chang LW. **J Toxicol Sci** 1990 Dec;15 Suppl 4:125–51 (110 ref.)

ORGASM

PHYSIOLOGY

A neurophysiological theory of a reproductive process. Tuckwell HC. **Int J Neurosci** 1989 Jan;44(1–2):143–8 (21 ref.)

ORIENTAL MEDICINE, TRADITIONAL see **MEDICINE, ORIENTAL TRADITIONAL**

ORIENTAL SORE see **LEISHMANIASIS**

ORIENTATION

Spatial cognition in Parkinson disease. Levin BE. **Alzheimer Dis Assoc Disord** 1990 Fall;4(3):161–70 (47 ref.)
Behavioral approaches to spatial orientation in infancy. Acredolo L. **Ann N Y Acad Sci** 1990;608:596–607; discussion 607–12 (17 ref.)
Varieties of spatial cognition. Psychobiological considerations. Nadel L. **Ann N Y Acad Sci** 1990; 608:613–26; discussion 626–36 (51 ref.)
Sound localization by human listeners. Middlebrooks JC, et al. **Annu Rev Psychol** 1991;42:135–59 (100 ref.)
New approaches to the study of comparative cognition. Kesner RP. **NIDA Res Monogr** 1990;97:22–36 (33 ref.)
Orienting reaction, organizing for action, and emotional processes. Latash LP. **Pavlov J Biol Sci** 1990 Jul–Sep; 25(3):123–9; discussion 129–31 (27 ref.)
The OR and significance. Maltzman I. **Pavlov J Biol Sci** 1990 Jul–Sep;25(3):111–20; discussion 120–2 (38 ref.)
The orienting response, and future directions of its development. Sokolov EN. **Pavlov J Biol Sci** 1990 Jul–Sep; 25(3):142–50 (13 ref.)
Applied orienting response research: some examples. Tremayne P, et al. **Pavlov J Biol Sci** 1990 Jul–Sep; 25(3):132–9; discussion 139–41 (13 ref.)
Perspectival appearing and Gibson's theory of visual perception. Natsoulas T. **Psychol Res** 1990;52(4):291–8 (26 ref.)

PHYSIOLOGY

Role of the hippocampus in temporal and spatial navigation: an adaptive neural network. Schmajuk NA. **Behav Brain Res** 1990 Aug 20;39(3):205–29 (92 ref.)
Head movements of visually impaired children. Jan JE. **Dev Med Child Neurol** 1991 Jul;33(7):645–7 (16 ref.)
A critical review of Luneburg's model with regard to global structure of visual space. Indow T. **Psychol Rev** 1991 Jul; 98(3):430–53 (125 ref.)

ORIGIN OF LIFE see **BIOGENESIS**

ORMOND'S DISEASE see **RETROPERITONEAL FIBROSIS**

ORNITHINE

ANALOGS & DERIVATIVES

N5-(1-carboxyethyl)ornithine and related [N-carboxyalkyl]-amino acids: structure, biosynthesis, and function. Thompson J, et al. **Adv Enzymol Relat Areas Mol Biol** 1991;64:317–99 (304 ref.)
Novel substrates and nutritional support: possible role of ornithine alpha-ketoglutarate. Silk DB, et al. **Proc Nutr Soc** 1990 Oct;49(3):381–7 (49 ref.)

ORNITHINE AMINOTRANSFERASE

GENETICS

Molecular basis of ornithine aminotransferase defect in gyrate atrophy. Inana G, et al. **Prog Clin Biol Res** 1991; 362:191–219 (45 ref.)

ORNITHINE CARBAMOYLTRANSFERASE

DEFICIENCY

Inherited hepatic enzyme defects as candidates for liver-directed gene therapy. Horwich AL. **Curr Top Microbiol Immunol** 1991;168:185–200 (39 ref.)
Molecular detection and correction of ornithine transcarbamylase deficiency. Grompe M, et al. **Trends Genet** 1990 Oct;6(10):335–9 (31 ref.)
[Ornithine transcarbamylase deficiency. Biochemical studies in the diagnosis of 4 cases and the identification of carriers] Briones Godino P, et al. **An Esp Pediatr** 1991 May; 34(5):360–4 (30 ref.) (Eng. Abstr.) **(Spa)**

ORNITHINE CARBOXY-LYASE see **ORNITHINE DECARBOXYLASE**

ORNITHINE DECARBOXYLASE

METABOLISM

Polyamine-mediated control of ornithine decarboxylase and S-adenosylmethionine decarboxylase expression in mammalian cells. Heby O, et al. **Biochem Soc Trans** 1990 Dec;18(6):1084–7 (39 ref.)
Management of polyamine pools and the regulation of ornithine decarboxylase. Davis RH. **J Cell Biochem** 1990 Dec;44(4):199–205 (31 ref.)

ORNITHINE TRANSAMINASE see **ORNITHINE AMINOTRANSFERASE**

ORNITHOSIS

COMPLICATIONS

Psittacosis: a clinical review. Crosse BA. **J Infect** 1990 Nov; 21(3):251–9 (23 ref.)

TRANSMISSION

[A case report of psittacosis and chlamydial isolation from a dead pet bird] Hayashi Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Mar; 28(3):535–40 (32 ref.) (Eng. Abstr.) **(Jpn)**

VETERINARY

Immunity to Chlamydia psittaci with particular reference to sheep. McCafferty MC. **Vet Microbiol** 1990 Oct;25(1):87–99 (86 ref.)
[Pigeon coryza—ornithosis—pigeon breeder's lung] Fritzsche K. **DTW Dtsch Tierarztl Wochenschr** 1991 Apr;98(4):120–1 (0 ref.) (Eng. Abstr.) **(Ger)**

ORNITHOSIS VIRUS see **CHLAMYDIA PSITTACI**

OROANTRAL FISTULA

ETIOLOGY

Herniation of the antral membrane through an extraction site. Report of a case. Shultz RE, et al. **Oral Surg Oral Med Oral Pathol** 1991 Mar;71(3):280–2 (3 ref.)

SURGERY

A new approach for repair of oro-antral-nasal fistulae. The anteriorly based buccinator myomucosal island flap. Carstens MH, et al. **J Craniomaxillofac Surg** 1991 Feb; 19(2):64–70 (40 ref.)
The management of oroantral fistulas. Bluestone CD. **Otolaryngol Clin North Am** 1971 Feb;4(1):179–91 (14 ref.)

OROFACIODIGITAL SYNDROMES

DIAGNOSIS

Beemer-Langer syndrome with manifestations of an orofaciodigital syndrome. Lin AE, et al. **Am J Med Genet** 1991 Jun 1;39(3):247–51 (16 ref.)

OROPHARYNGEAL NEOPLASMS

RADIOTHERAPY

Radiation therapy for squamous cell carcinomas of the oral cavity and oropharynx: a review of recent techniques. Janjan NA, et al. **Cancer Treat Rev** 1990 Mar;17(1):89–101 (83 ref.)
Indications and results of combined external beam radiation and interstitial radiotherapy in the treatment of carcinoma of the oropharynx. Ausili-Cefaro G, et al. **Rays** 1991 Jan–Mar;16(1):97–106 (42 ref.) **(Eng, Ita)**

SURGERY

Mandibulotomy and mandibulectomy in difficult tumors of the base of the tongue and oropharynx. Shaha AR. **Semin Surg Oncol** 1991 Jan–Feb;7(1):25–30 (9 ref.)

THERAPY

[Recurrence after radiotherapy and/or surgery of carcinoma of the oropharynx and the pharynx. Possibilities of salvage surgery] Bussi M, et al. **Radiol Med (Torino)** 1991 Jul–Aug; 82(1–2):137–42 (31 ref.) (Eng. Abstr.) **(Ita)**

OROPHARYNX

PATHOLOGY

Imaging of the oropharynx and oral cavity. Lenz M, et al. **Curr Opin Radiol** 1991 Feb;3(1):67–75 (11 ref.)
Magnetic resonance imaging of the tongue and oropharynx. McKenna KM, et al. **Top Magn Reson Imaging** 1990 Sep; 2(4):49–59 (16 ref.)

ORPHAN DRUG PRODUCTION

ECONOMICS

Orphan products: origins, progress, and prospects. Haffner ME. **Annu Rev Pharmacol Toxicol** 1991;31:603–20 (15 ref.)

ORPHENADRINE

THERAPEUTIC USE

Clinical and pharmacological review of the efficacy of orphenadrine and its combination with paracetamol in painful conditions. Hunskaar S, et al. **J Int Med Res** 1991 Mar–Apr;19(2):71–87 (42 ref.)

ORTHO-AMINOBENZOIC ACIDS see **ANTHRANILIC ACIDS**

ORTHO-DIHYDROXYBENZENES see **CATECHOLS**

ORTHODONTIC APPLIANCES

see related

DENTAL BONDING

Coefficients of friction for arch wires in stainless steel and polycrystalline alumina bracket slots. I. The dry state. Kusy RP, et al. **Am J Orthod Dentofacial Orthop** 1990 Oct; 98(4):300–12 (19 ref.)

Toothbrushing and transient bacteremia in patients undergoing orthodontic treatment. Schlein RA, et al. **Am J Orthod Dentofacial Orthop** 1991 May;99(5):466–72 (39 ref.)

Methods used to evaluate growth modification in Class II malocclusion. Tulloch JF, et al. **Am J Orthod Dentofacial Orthop** 1990 Oct;98(4):340–7 (11 ref.)

A comparison of three bracket bases: an in vitro study. Smith NR, et al. **Br J Orthod** 1991 Feb;18(1):29–35 (16 ref.)

Vertical skeletal change associated with Andresen, Harvold, and Begg treatment. Ball JV, et al. **Eur J Orthod** 1991 Feb;13(1):47–52 (26 ref.)

Lingual orthodontic appliances: invisible braces. Muir JC. **N Z Dent J** 1991 Apr;87(388):57–9 (4 ref.)

[The evolution of fixed appliances towards esthetics] Altounian G. **Orthod Fr** 1991;62 Pt 1:251–90 (100 ref.) **(Fre)**

[Metal technology and materials in Edgewise technic] Hurez C. **Orthod Fr** 1990;61 Pt 1:95–119 (34 ref.) **(Fre)**

[The wear-timing measuring device in orthodontics—cui bono? Reflections on the state-of-the-art in wear-timing measurement and compliance research in orthodontics] Witt E, et al. **Fortschr Kieferorthop** 1991 Jun;52(3):117–25 (32 ref.) (Eng. Abstr.) **(Ger)**

ORTHODONTIC APPLIANCES, ACTIVATOR see **ACTIVATOR APPLIANCES**

ORTHODONTIC WIRES

Coefficients of friction for arch wires in stainless steel and polycrystalline alumina bracket slots. I. The dry state. Kusy RP, et al. **Am J Orthod Dentofacial Orthop** 1990 Oct; 98(4):300–12 (19 ref.)

ORTHODONTICS

[The orthodontic treatment of patients related to enlarged interalveolar spaces] Oskol'skiĭ GI. **Stomatologiia (Mosk)** 1990 Nov–Dec;69(6):86–9 (118 ref.) **(Rus)**

ECONOMICS

So, how much do orthodontists earn? Waldman HB. **Am J Orthod Dentofacial Orthop** 1990 Oct;98(4):358–63 (31 ref.)

INSTRUMENTATION

[The wear-timing measuring device in orthodontics—cui bono? Reflections on the state-of-the-art in wear-timing measurement and compliance research in orthodontics] Witt E, et al. **Fortschr Kieferorthop** 1991 Jun;52(3):117–25 (32 ref.) (Eng. Abstr.) **(Ger)**

ORTHODONTICS, CORRECTIVE

Dental, orthodontic, and oral/maxillofacial evaluation and treatment in Apert syndrome. Ferraro NF. **Clin Plast Surg** 1991 Apr;18(2):291–307 (84 ref.)

[Orthodontics and esthetics] Aknin JJ. **Orthod Fr** 1991;62 Pt 1:137–90 (211 ref.) **(Fre)**

[Orthopedics and esthetics] Aknin JJ. **Orthod Fr** 1991;62 Pt 1:101–36 (211 ref.) **(Fre)**

[Looking back upon my 29 years' career—challenge to angle's orthodontics] Miura F. **Kokubyo Gakkai Zasshi** 1991 Jun;58(2):355–62 (9 ref.) **(Jpn)**

ADVERSE EFFECTS

Occlusion as it relates to TMJ. A study of the literature. Baker RW Sr, et al. **N Y State Dent J** 1991 Jan;57(1):36–9 (25 ref.)

METHODS

[Dental occlusion and orthodontics in children] Ackx J, et al. **Rev Belge Med Dent** 1990;45(4):45–52 (28 ref.) (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Attitude variables of dentofacial deformity patients: demographic characteristics and associations. Mayo KH, et al. **J Oral Maxillofac Surg** 1991 Jun;49(6):594–602 (18 ref.)

TRENDS

[The potentials and limits of orthodontic treatment for adults] Witt E. **Fortschr Kieferorthop** 1991 Feb;52(1):1–7 (30 ref.) (Eng. Abstr.) **(Ger)**

ORTHODONTICS, INTERCEPTIVE

Early interceptive treatment of asymmetry. Linder-Aronson S. **Proc Finn Dent Soc** 1991;87(1):159–66 (8 ref.)

ORTHOMOLECULAR THERAPY

Megavitamin and megamineral therapy in childhood. Nutrition Committee, Canadian Paediatric Society [see comments] **Can Med Assoc J** 1990 Nov 15;143(10):1009–13 (51 ref.) Comment in: Can Med Assoc J 1991 Apr 1;144(7):845–6.

[Abuse of megadoses of vitamins] Arroyave G. **Arch Latinoam Nutr** 1988 Sep;38(3):589–98 (54 ref.) (Eng. Abstr.) **(Spa)**

ORTHOMYXOVIRIDAE

IMMUNOLOGY

Antigenic and biochemical studies of influenza viruses isolated in defined community epidemics have allowed the development of a new experimental inactivated vaccine. Oxford JS. **Prog Med Virol** 1991;38:180–203 (35 ref.)

Pathogenesis of respiratory infections due to influenza virus: implications for developing countries. Leigh MW, et al. **Rev Infect Dis** 1991 May-Jun;13 Suppl 6:S501–8 (37 ref.)

[General and specific factors of protective reactions in viral infection (facts and hypotheses)] Dubrovina TIa, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):3–7 (49 ref.) (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Influenza: pathogenesis and host defense. Small PA Jr. **Hosp Pract [Off]** 1990 Nov 15;25(11):51–4, 57–62 (6 ref.)

ORTHOMYXOVIRUS INFECTIONS

IMMUNOLOGY

Immunologic response to influenza virus infection. Krystal M. **Immunol Ser** 1989;43:597–621 (138 ref.)

ORTHOMYXOVIRUS TYPE A, HUMAN

Imaging in influenza A encephalitis. Protheroe SM, et al. **Arch Dis Child** 1991 Jun;66(6):702–5 (31 ref.)

[Influenza] Kaji M. **Nippon Naika Gakkai Zasshi** 1990 Sep 10;79(9):1262–6 (5 ref.) **(Jpn)**

[Postvaccinal anti-influenza immunity and its determining factors] Kastrikina LN, et al. **Vopr Virusol** 1990 Sep–Oct; 35(5):362–7 (60 ref.) **(Rus)**

GENETICS

Cold-adapted influenza viruses for use as live vaccines for man. Maassab HF, et al. **Adv Biotechnol Processes** 1990; 14:203–42 (112 ref.)

[Modern variations of human influenza group A viruses at the molecular level] Petrov NA, et al. **Mol Gen Mikrobiol Virusol** 1990 Dec;(12):3–10 (32 ref.) (Eng. Abstr.) **(Rus)**

ORTHOMYXOVIRUSES TYPE A

IMMUNOLOGY

Insights into neutralization of animal viruses gained from study of influenza virus. Outlaw MC, et al. **Epidemiol Infect** 1991 Apr;106(2):205–20 (56 ref.)

Antigenic variation and the structure of influenza virus glycoproteins. Laver WG. **Microbiol Sci** 1984 May; 1(2):37–43 (24 ref.)

[Formation of target cells in the immunocompetent organ (spleen) of mice with experimental infection caused by influenza A viruses with various properties] Shidlovskaia NK, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):23–7 (24 ref.) (Eng. Abstr.) **(Rus)**

PATHOGENICITY

[Post-stress disorders of resistance of mice to recurrent infection by homologous influenza virus] Kramskaia TA, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):47–50 (16 ref.) (Eng. Abstr.) **(Rus)**

ORTHOMYXOVIRUSES TYPE B

GENETICS

Cold-adapted influenza viruses for use as live vaccines for man. Maassab HF, et al. **Adv Biotechnol Processes** 1990; 14:203–42 (112 ref.)

ORTHOMYXOVIRUSES TYPE C

IMMUNOLOGY

Differential reactivity of bovine coronavirus (BCV) and influenza C virus with N-acetyl-9-O-acetylneuraminic acid (Neu5,9Ac2)-containing receptors. Schultze B, et al. **Adv Exp Med Biol** 1990;276:115–9 (9 ref.)

ORTHOPANTOMOGRAPHY see **RADIOGRAPHY, PANORAMIC**

ORTHOPEDIC EQUIPMENT

Application technique of Cotrel-Dubousset instrumentation for scoliosis deformities. Dubousset J, et al. **Clin Orthop** 1991 Mar;(264):103–10 (4 ref.)

Normative database for trunk range of motion, strength, velocity, and endurance with the Isostation B-200 Lumbar Dynamometer. Gomez T, et al. **Spine** 1991 Jan;16(1):15–21 (49 ref.)

TRENDS

A perspective on recent trends for scoliosis correction. Drummond DS. **Clin Orthop** 1991 Mar;(264):90–102 (30 ref.)

ORTHOPEDIC FIXATION DEVICES

Complications of foot surgery. Bone fixation devices. Considerations and consequences. Lichty TK, et al. **Clin Podiatr Med Surg** 1991 Apr;8(2):309–20 (62 ref.)

Long-term orthopedic appliance therapy. Baragona PM, et al. **Dent Clin North Am** 1991 Jan;35(1):109–21 (15 ref.)

[The radiologic evaluation of osteosyntheses] Müller-Miny H, et al. **Radiologe** 1991 Apr;31(4):179–85 (18 ref.) (Eng. Abstr.) **(Ger)**

[Bone lengthening in congenital malformations of the lower limbs] Conejero Casares JA, et al. **An Esp Pediatr** 1991 Apr;34(4):293–8 (42 ref.) (Eng. Abstr.) **(Spa)**

ORTHOPEDICS

An overview of implant materials. Simon JP, et al. **Acta Orthop Belg** 1991;57(1):1–5 (15 ref.)

Anaesthesia for Proteus syndrome. Pennant JH, et al. **Anaesthesia** 1991 Feb;46(2):126–8 (12 ref.)

Hyaluronate in rheumatology and orthopaedics: is there a role? Strachan RK, et al. **Ann Rheum Dis** 1990 Nov; 49(11):949–52 (80 ref.)

The biologic effects of implant materials. Galante JO, et al. **J Orthop Res** 1991 Sep;9(5):760–75 (108 ref.)

Orthopedics. Morrey BF. **JAMA** 1991 Jun 19;265(23):3151–2 (17 ref.)

Ambulatory surgery and prepared discharges. Effects on orthopedic patients and nursing practice. Connolly ML. **Nurs Clin North Am** 1991 Mar;26(1):105–12 (20 ref.)

Pain management in the orthopedic patient. Mooney NE. **Nurs Clin North Am** 1991 Mar;26(1):73–87 (43 ref.)

Orthopedic complications. Compartment syndrome, fat embolism syndrome, and venous thromboembolism. Slye DA. **Nurs Clin North Am** 1991 Mar;26(1):113–32 (58 ref.)

Topical antibiotic irrigation in the prophylaxis of operative wound infections in orthopedic surgery. Dirschl DR, et al. **Orthop Clin North Am** 1991 Jul;22(3):419–26 (45 ref.)

Nutrition: its relationship to orthopedic infections. Smith TK. **Orthop Clin North Am** 1991 Jul;22(3):373–7 (43 ref.)

Sepsis in orthopedic surgery. Drez D Jr, et al. **Orthopedics** 1991 Feb;14(2):157–62 (33 ref.)

[Use of atracurium for the prevention of fasciculations and succinylcholine myalgia in athletes undergoing orthopedic surgery] Pagani I, et al. **Minerva Anestesiol** 1990 Nov; 56(11):1413–7 (26 ref.) (Eng. Abstr.) **(Ita)**

HISTORY

[Leg lengthening—historical review and current techniques] Tjernström B, et al. **Lakartidningen** 1990 Aug 29; 87(35):2663–7 (15 ref.) (Eng. Abstr.) **(Swe)**

METHODS

Spinal disorders. Overall impact on society and the need for orthopedic resources. Nachemson AL. **Acta Orthop Scand Suppl** 1991;241:17–22 (58 ref.)

Principles and applications of Computer-Aided Design and Computer-Aided Manufacturing (CAD/CAM) technology in orthopaedics. Goh JC, et al. **Ann Acad Med Singapore** 1990 Sep;19(5):706–13 (25 ref.)

Computer applications in orthopaedics. Pho RW, et al. **Ann Acad Med Singapore** 1990 Sep;19(5):691–8 (80 ref.)

Application technique of Cotrel-Dubousset instrumentation for scoliosis deformities. Dubousset J, et al. **Clin Orthop** 1991 Mar;(264):103–10 (4 ref.)

Management of extremity injuries with external fixator or Ilizarov devices. Cooperative effort between orthopedic and plastic surgeons. Vasconez HC, et al. **Clin Plast Surg** 1991 Jul;18(3):505–13 (32 ref.)

Infection complicating orthopedic procedures and arthroplasties. Ross AC. **Curr Opin Rheumatol** 1990 Aug; 2(4):628–34 (10 ref.)

Magnetic resonance imaging in orthopaedics. Watt I. **J Bone Joint Surg [Br]** 1991 Jul;73(4):539–50 (62 ref.)

TRENDS

Staying the course. Sarmiento A.
J Bone Joint Surg [Am] 1991 Apr;73(4):479–83 (4 ref.)
[Advances in and retrospects of orthopedics in past 40 years in China] Wang SH, et al.
Chung Hua Wai Ko Tsa Chih 1991 Jan;29(1):35–7 (0 ref.) **(Chi)**

ORTHOPSYCHIATRY

see related
MENTAL HEALTH

ORTHOSES see **ORTHOTIC DEVICES**

ORTHOSIS see **ORTHOTIC DEVICES**

ORTHOTIC DEVICES

Prevention: conditioning and orthotics. Press JM, et al.
Hand Clin 1990 Aug;6(3):383–92 (29 ref.)
Upper-extremity rehabilitation: conditioning and orthotics for the athlete and performing artist. Prokop LL.
Hand Clin 1990 Aug;6(3):517–24 (39 ref.)
Reduction of lumbar scoliosis by use of a heel lift to level the sacral base. Irvin RE. **J Am Osteopath Assoc** 1991 Jan; 91(1):34, 37–44 (31 ref.)
[Recent research in prosthetics and orthotics] Watanabe H.
Nippon Seikeigeka Gakkai Zasshi 1991 Apr;65(4):271–5 (55 ref.) **(Jpn)**

STANDARDS

Behavior of orthotic materials in chiropody. Rome K.
J Am Podiatr Med Assoc 1990 Sep;80(9):471–8 (43 ref.)
Halo versus Minerva—which orthosis? Pringle RG.
Paraplegia 1990 Jun;28(5):281–4 (12 ref.)

ORTHOVANADATE see **VANADATES**

ORTONAL see **METHAQUALONE**

ORYCTES VIRUSES see **BACULOVIRIDAE**

OS TRIGONUM see **TALUS**

OSCILLATORS, ENDOGENOUS see **BIOLOGICAL CLOCKS**

OSCILLOMETRY

[The oscillation method—a cost-effective alternative for the functional diagnosis of respiration mechanics in clinical practice?] Pleger E, et al. **Z Arztl Fortbild (Jena)** 1991 Mar 11;85(5):187–92 (27 ref.) **(Ger)**

OSGOOD-SCHLATTER DISEASE see **OSTEOCHONDRITIS**

OSLER-RENDU DISEASE see **TELANGIECTASIA, HEREDITARY HEMORRHAGIC**

OSLER-VAQUEZ DISEASE see **POLYCYTHEMIA VERA**

OSMOREGULATION see **WATER-ELECTROLYTE BALANCE**

OSMOSIS

Osmochemistry of solute translocation. Mitchell P.
Res Microbiol 1990 Mar-Apr;141(3):286–9 (12 ref.)

OSSEOINTEGRATED DENTAL IMPLANTATION see **DENTAL IMPLANTATION, ENDOSSEOUS**

OSSEOINTEGRATION

see related
ARTHROPLASTY
DENTAL IMPLANTATION, ENDOSSEOUS
HIP PROSTHESIS

PHYSIOLOGY

Advances in implant-bone interface. Collier JP, et al.
Instr Course Lect 1991;40:89–113 (104 ref.)

OSSICULAR REPLACEMENT PROSTHESIS

A universal ossicular replacement prosthesis: clinical trials of 152 cases. Black B. **Otolaryngol Head Neck Surg** 1991 Feb;104(2):210–8 (50 ref.)

OSSIFICATION, PATHOLOGIC

see related
SYNOSTOSIS

Heterotopic bone formation in thermal burns. Evans EB.
Clin Orthop 1991 Feb;(263):94–101 (31 ref.)
A clinical perspective on common forms of acquired heterotopic ossification. Garland DE. **Clin Orthop** 1991 Feb;(263):13–29 (117 ref.)

COMPLICATIONS

Bilateral intradeltoid ossification: a cause of glenohumeral abduction contracture. Mylle J, et al. **Acta Orthop Belg** 1991;57(2):195–8 (7 ref.)
Metastatic ossified gastric carcinoid with hypergastrinemia associated with gastric and thyroid autoantibodies. Linz AJ, et al. **J Am Osteopath Assoc** 1990 Dec;90(12):1092, 1095–9 (23 ref.)

ETIOLOGY

Heterotopic ossification following total hip arthroplasty: a review. Hu HP, et al. **Acta Orthop Belg** 1991;57(2):169–82 (111 ref.)
Periarticular heterotopic ossification after total hip arthroplasty. Risk factors and consequences. Ahrengart L.
Clin Orthop 1991 Feb;(263):49–58 (53 ref.)
Experimental induction of heterotopic bone. Ekelund A, et al. **Clin Orthop** 1991 Feb;(263):102–12 (78 ref.)

PATHOLOGY

Multiple spinal ossified arachnoiditis. A case report. Kitagawa H, et al. **Spine** 1990 Nov;15(11):1236–8 (28 ref.)
[Pigmented nevus and cutaneous ossifications. Apropos of 125 cases of osteonevi] Moulin G, et al.
Ann Dermatol Venereol 1991;118(3):199–204 (28 ref.) (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Total hip arthroplasty. The role of antiinflammatory medications in the prevention of heterotopic ossification. Kjaersgaard-Andersen P, et al. **Clin Orthop** 1991 Feb; (263):78–86 (66 ref.)
Prevention of formation of heterotopic bone after total hip arthroplasty. Kjaersgaard-Andersen P, et al.
J Bone Joint Surg [Am] 1991 Jul;73(6):942–7 (90 ref.)
Heterotopic ossification. Pittenger DE. **Orthop Rev** 1991 Jan; 20(1):33–9 (53 ref.)

RADIOGRAPHY

[The place of HR-CT in the diagnosis of calcifying and ossifying disease processes of the eye and the orbit] Gülden JW, et al. **Rontgenpraxis** 1991 Jul;44(7):200–8 (41 ref.) **(Ger)**

RADIONUCLIDE IMAGING

Bone island (enostosis): clinical significance and radiologic and pathologic correlations. Greenspan A, et al.
Skeletal Radiol 1991;20(2):85–90 (21 ref.)

RADIOTHERAPY

Prevention of heterotopic ossification in high-risk patients by radiation therapy. Ayers DC, et al. **Clin Orthop** 1991 Feb;(263):87–93 (44 ref.)

SURGERY

Surgical approaches for resection of heterotopic ossification in traumatic brain-injured adults. Garland DE.
Clin Orthop 1991 Feb;(263):59–70 (28 ref.)
Ossification of the cervical ligamentum flavum. Kobayashi S, et al. **Surg Neurol** 1991 Mar;35(3):234–8 (15 ref.)

THERAPY

The elbow. Wilkins KE, et al. **Instr Course Lect** 1991;40:1–87 (348 ref.)

OSSIFICATION, PHYSIOLOGIC see **OSTEOGENESIS**

OSTEITIS

DRUG THERAPY

[Treatment of local infection with taurolin] Burri C.
Aktuel Probl Chir Orthop 1990;34:78–84 (7 ref.) **(Ger)**

ETIOLOGY

Bacterial arthritis and osteitis in adults. Ytterberg SR, et al.
Curr Opin Rheumatol 1990 Aug;2(4):606–15 (39 ref.)
[Sternal osteitis and mediastinitis after coronary artery bypass graft surgery] Detroz B, et al. **Ann Chir** 1991;45(2):128–35 (35 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Condensing osteitis of the clavicle: a rare but frequently misdiagnosed condition. Greenspan A, et al.
AJR Am J Roentgenol 1991 May;156(5):1011–5 (37 ref.)

PREVENTION & CONTROL

[Incidence of infection, causes and prevention of osteitis in trauma surgery] Haas N, et al.
Aktuel Probl Chir Orthop 1990;34:8–26 (19 ref.) **(Ger)**

SURGERY

[Stability in post-traumatic osteitis] Burri C.
Aktuel Probl Chir Orthop 1990;34:44–54 (30 ref.) **(Ger)**
[Bone transplantation in post-traumatic osteitis] Burri C.
Aktuel Probl Chir Orthop 1990;34:107–26 (42 ref.) **(Ger)**
[Therapy of acute osteitis] Neugebauer R.
Aktuel Probl Chir Orthop 1990;34:39–43 (9 ref.) **(Ger)**
[Quality control in bone infection] Russe OJ.
Aktuel Probl Chir Orthop 1990;34:150–2 (9 ref.) **(Ger)**
[Irrigation drainage in local treatment of infection of bones and joints] Wörsdörfer O, et al.
Aktuel Probl Chir Orthop 1990;34:55–64 (30 ref.) **(Ger)**

OSTEITIS DEFORMANS

COMPLICATIONS

Paget's disease and fibrous dysplasia. Ryan WG.
Curr Opin Rheumatol 1990 Feb;2(1):8–11 (23 ref.)
[Paget's disease and metastatic epithelioma on the same bone. 11 new cases and review of the literature (published erratum appears in Rev Rhum Mal Osteoartic 1990 Dec;57(12):903)] Crouzet J, et al.
Rev Rhum Mal Osteoartic 1990 Jul-Sep;57(7–8):517–20 (23 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

A review of Paget's disease: radiologic imaging, differential diagnosis, and treatment. Greenspan A.
Bull Hosp Jt Dis Orthop Inst 1991 Spring;51(1):22–33 (31 ref.)
Paget's disease and fibrous dysplasia. Wallach S.
Curr Opin Rheumatol 1991 Jun;3(3):472–80 (48 ref.)
[Paget's disease of the skeleton] Ziegler R.
Internist (Berl) 1990 Dec;31(12):763–8 (12 ref.) **(Ger)**
[The usefulness of biochemical markers of bone remodelling in the diagnosis and follow-up of Paget's disease of bone, primary hyperparathyroidism, tumoral hypercalcemia and postmenopausal osteoporosis. I. The markers of bone formation] de la Piedra Gordo C, et al.
An Med Interna 1990 Sep;7(9):480–6 (39 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Treatment of osteoporosis and Paget's disease. Stewart GO, et al. **Curr Opin Rheumatol** 1991 Jun;3(3):380–7 (46 ref.)

METABOLISM

[Usefulness of bone remodelling biochemical markers in the diagnosis and follow-up of Paget's bone disease, primary hyperparathyroidism, tumor hypercalcemia, and postmenopausal osteoporosis. II. Bone resorption markers] de la Piedra Gordo C, et al. **An Med Interna** 1990 Oct; 7(10):534–8 (25 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Radiation and pagetic osteogenic sarcomas. Healey JH, et al. **Clin Orthop** 1991 Sep;(270):128–34 (25 ref.)

RADIOGRAPHY

Survival and management considerations in postirradiation osteosarcoma and Paget's osteosarcoma. Frassica FJ, et al.
Clin Orthop 1991 Sep;(270):120–7 (24 ref.)

THERAPY

Advances in the management of Paget's disease of bone. Hosking DJ. **Drugs** 1990 Dec;40(6):829–40 (76 ref.)

OSTEITIS FIBROSA DISSEMINATA see **FIBROUS DYSPLASIA OF BONE**

OSTEOARTHRITIS

Nodal generalised osteoarthritis is an autoimmune disease. Doherty M, et al. **Ann Rheum Dis** 1990 Dec;49(12):1017–20 (66 ref.)
Osteoarthritis of the carpometacarpal joint of the thumb. Strickland JW, et al. **Indiana Med** 1990 Nov;83(11):828–30 (2 ref.)
Osteoarthritis. A review [see comments] Dieppe P.
J R Coll Physicians Lond 1990 Oct;24(4):262–7 (12 ref.)
Comment in: J R Coll Physicians Lond 1991 Jan;25(1):77.
Some recent clinical approaches to osteoarthritis research. Dieppe P. **Semin Arthritis Rheum** 1990 Dec;20(3 Suppl 1):2–11 (52 ref.)

BLOOD

Cartilage matrix glycoprotein as a possible marker of osteoarthritis. Fife RS. **J Rheumatol Suppl** 1991 Feb;27:30–1 (17 ref.)

CLASSIFICATION

Criteria for classification of clinical osteoarthritis. Altman RD. **J Rheumatol Suppl** 1991 Feb;27:10–2 (8 ref.)
Radiographic criteria for classification of osteoarthritis. Menkes CJ. **J Rheumatol Suppl** 1991 Feb;27:13–5 (10 ref.)
Classification of disease: osteoarthritis. Altman RD.
Semin Arthritis Rheum 1991 Jun;20(6 Suppl 2):40–7 (38 ref.)

COMPLICATIONS

The inter-relationship of facet joint osteoarthritis and degenerative disc disease. Oegema TR Jr, et al.
Br J Rheumatol 1991;30 Suppl 1:16–20 (17 ref.)
Spinal stenosis. When arthritis is more than arthritis! Chase JA. **Nurs Clin North Am** 1991 Mar;26(1):53–64 (34 ref.)

[Stress fractures of the tibia: uncommon mechanical complication of osteoarthritis of the knee. Report of 3 cases] Gacon G, et al. **Rev Chir Orthop** 1990;76(3):209–14 (16 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Osteoarthritis of the proximal interphalangeal joint. Strickland JW, et al. **Indiana Med** 1990 Dec;83(12):908–10 (4 ref.)

Quantitative imaging of osteoarthritis. Adams ME, et al. **Semin Arthritis Rheum** 1991 Jun;20(6 Suppl 2):26–39 (79 ref.)

DRUG THERAPY

Chondroprotection: myth or reality? Brooks PM, et al. **Baillieres Clin Rheumatol** 1991 Aug;4(2):293–303 (120 ref.)

The medical management of osteoarthritis of the knee: an inflammatory issue? McAlindon T, et al. **Br J Rheumatol** 1990 Dec;29(6):471–3 (40 ref.)

Treatment, pain, and epidemiology of osteoarthritis. Hutton CW. **Curr Opin Rheumatol** 1990 Oct;2(5):765–9 (26 ref.)

Osteoarthritis 1991. Current drug treatment regimens [published erratum appears in Drugs 1991 Apr;41(4):532] al Arfag A, et al. **Drugs** 1991 Feb;41(2):193–201 (38 ref.)

Etodolac: efficacy in osteoarthritis and effects on chondrocyte function. Bacon PA. **Rheumatol Int** 1990;10 Suppl:3–7 (18 ref.)

[Application and value of nonsteroidal inflammation inhibitors in arthritis] Schlumpf U. **Ther Umsch** 1991 Jan; 48(1):34–41 (29 ref.) (Eng. Abstr.) **(Ger)**

[Cartilage changes in arthrosis—do non-steroidal antiphlogistics have positive or negative effects?] Ostensen M. **Tidsskr Nor Laegeforen** 1991 Mar 10;111(7):838–40 (23 ref.) (Eng. Abstr.) **(Nor)**

ENZYMOLOGY

[Proteolytic enzymes and the destruction of articular cartilage in arthritis and chronic polyarthritis] Mohamed-Ali H. **Wien Med Wochenschr** 1991;141(4):77–85 (90 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

Epidemiology of osteoarthritis: current concepts and new insights. Hochberg MC. **J Rheumatol Suppl** 1991 Feb; 27:4–6 (25 ref.)

Osteoarthritis. Felson DT. **Rheum Dis Clin North Am** 1990 Aug;16(3):499–512 (78 ref.)

[Osteoarthrosis, gout and arthritis rheumatoid in internal medicine in Kinshasa] Bwanahali K, et al. **Rev Rhum Mal Osteoartic** 1991 Feb;58(2):105–11 (37 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Post-traumatic osteoarthritis—a medico-legal minefield. Wright V. **Br J Rheumatol** 1990 Dec;29(6):474–8 (33 ref.)

Does exercise cause arthritis? Long-term consequences of exercise on the musculoskeletal system. Panush RS. **Rheum Dis Clin North Am** 1990 Nov;16(4):827–36 (65 ref.)

[Arthrosis can be caused by growth of the articular head] Hulth A. **Lakartidningen** 1991 May 1;88(18):1696–9 (33 ref.) **(Swe)**

[Hereditary and mechanical factors behind arthrosis of the hip and the knee] Lindberg H. **Lakartidningen** 1990 Dec 19;87(51–52):4403–4, 4406 (37 ref.) **(Swe)**

GENETICS

Molecular biological approaches to the study of heritable osteoarthritis. Jimenez SA. **J Rheumatol Suppl** 1991 Feb; 27:7–9 (15 ref.)

IMMUNOLOGY

Interleukin-1, immune activation pathways, and different mechanisms in osteoarthritis and rheumatoid arthritis. Kirkham B. **Ann Rheum Dis** 1991 Jun;50(6):395–400 (85 ref.)

METABOLISM

Biochemical markers of osteoarthritis. Ratcliffe A, et al. **Curr Opin Rheumatol** 1990 Oct;2(5):770–6 (12 ref.)

Changes in proteoglycans in osteoarthritis: biochemistry, ultrastructure and biosynthetic processing. Malemud CJ. **J Rheumatol Suppl** 1991 Feb;27:60–2 (24 ref.)

Circulating keratan sulfate: a marker of cartilage proteoglycan catabolism in osteoarthritis. Thonar EJ, et al. **J Rheumatol Suppl** 1991 Feb;27:24–6 (20 ref.)

Proteinase-mediated cartilage degradation in osteoarthritis. Dean DD. **Semin Arthritis Rheum** 1991 Jun;20(6 Suppl 2):2–11 (86 ref.)

[Arthritis from a biochemical aspect] Baici A. **Ther Umsch** 1991 Jan;48(1):13–7 (14 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Tissue responses to degenerative changes in the temporomandibular joint: a review. Stegenga B, et al. **J Oral Maxillofac Surg** 1991 Oct;49(10):1079–88 (64 ref.)

Overview: new methods in imaging osteoarthritis. Martel W, et al. **J Rheumatol Suppl** 1991 Feb;27:32–7 (4 ref.)

Indices of severity and disease activity for osteoarthritis. Lequesne M. **Semin Arthritis Rheum** 1991 Jun;20(6 Suppl 2):48–54 (22 ref.)

PHYSIOPATHOLOGY

Animal models: insights into osteoarthritis (OA) provided by the cruciate-deficient dog. Brandt KD. **Br J Rheumatol** 1991;30 Suppl 1:5–9 (30 ref.)

Chondrocyte responses in cartilage and in experimental osteoarthritis. Hardingham TE, et al. **Br J Rheumatol** 1991; 30 Suppl 1:32–7 (31 ref.)

Temporomandibular joint osteoarthrosis and internal derangement. Part I: Clinical course and initial treatment. Boering G, et al. **Int Dent J** 1990 Dec;40(6):339–46 (14 ref.)

Are cytokines involved in osteoarthritic pathophysiology? Pelletier JP, et al. **Semin Arthritis Rheum** 1991 Jun;20(6 Suppl 2):12–25 (119 ref.)

[Pathogenetic aspects of arthrosis and its therapeutic aspects] Fassbender HG. **Z Rheumatol** 1991;50 Suppl 1:65–8 (8 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Is osteoarthritis a preventable disease? Peyron JG. **J Rheumatol Suppl** 1991 Feb;27:2–3 (17 ref.)

RADIOGRAPHY

The use of radiographs in assessing the severity of knee osteoarthritis. Spector TD, et al. **J Rheumatol Suppl** 1991 Feb;27:38–9 (13 ref.)

[Carpal instability and secondary degenerative changes in lesions of the radio-carpal ligaments with various etiology] Stäbler A, et al. **Handchir Mikrochir Plast Chir** 1990 Nov; 22(6):289–95 (29 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Meniscal-bearing unicompartmental knee arthroplasty. An 11-year clinical study. Cohen M, et al. **Orthop Rev** 1991 May;20(5):443–8 (37 ref.)

THERAPY

Temporomandibular joint osteoarthrosis and internal derangement. Part II: Additional treatment options. Stegenga B, et al. **Int Dent J** 1990 Dec;40(6):347–53 (11 ref.)

Therapeutic exercise for rheumatoid arthritis and osteoarthritis. Semble EL, et al. **Semin Arthritis Rheum** 1990 Aug;20(1):32–40 (48 ref.)

OSTEOARTHRITIS, HIP

ETIOLOGY

[Hereditary and mechanical factors behind arthrosis of the hip and the knee] Lindberg H. **Lakartidningen** 1990 Dec 19;87(51–52):4403–4, 4406 (37 ref.) **(Swe)**

SURGERY

[Ceramic head fracture—a rare complication in hip endoprosthesis. Case report and literature survey] Kern S, et al. **Z Orthop** 1990 Sep-Oct;128(5):543–8 (20 ref.) (Eng. Abstr.) **(Ger)**

OSTEOARTHROPATHY, PRIMARY HYPERTROPHIC

COMPLICATIONS

Pachydermoperiostosis with myelofibrosis and anemia: report of a case of anemia of multifactorial causes and its improvement with steroid pulse and iron therapy. Tanaka H, et al. **Jpn J Med** 1991 Jan-Feb;30(1):73–80 (12 ref.)

PATHOLOGY

[Pachydermoperiostosis—report of a case and review of 121 Japanese cases] Matsui Y, et al. **Nippon Hifuka Gakkai Zasshi** 1991 Mar;101(4):461–7 (61 ref.) (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Hypertrophic pulmonary osteoarthropathy in pulmonary metastatic disease. A case report and review of the literature. Davies RA, et al. **Clin Radiol** 1991 Apr; 43(4):268–71 (23 ref.)

OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC

DIAGNOSIS

[A case of Bamberger-Marie syndrome] Tácsik I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1990; 33(4):313–7 (21 ref.) (Eng. Abstr.) **(Hun)**

OSTEOARTHROSIS see **OSTEOARTHRITIS**

OSTEOARTHROSIS DEFORMANS see **OSTEOARTHRITIS**

OSTEOBLASTOMA see **OSTEOMA, OSTEOID**

OSTEOBLASTS

CYTOLOGY

Relationship of cell growth to the regulation of tissue-specific gene expression during osteoblast differentiation. Stein GS, et al. **FASEB J** 1990 Oct; 4(13):3111–23 (51 ref.)

[Origin of osteoclasts and the role of osteoblasts in osteoclast differentiation] Suda T, et al. **Nippon Seikeigeka Gakkai Zasshi** 1991 Apr;65(4):261–70 (33 ref.) **(Jpn)**

PHYSIOLOGY

Cellular activity, matrix proteins, and aging bone. Termine JD. **Exp Gerontol** 1990;25(3–4):217–21 (32 ref.)

OSTEOCALCIN

[Osteocalcin] Neradilová M. **Cas Lek Cesk** 1990 Dec 14; 129(50):1569–73 (91 ref.) (Eng. Abstr.) **(Cze)**

BLOOD

Bone protein and peptide assays in the diagnosis and management of skeletal disease. Deftos LJ. **Clin Chem** 1991 Jul;37(7):1143–8 (66 ref.)

[Osteocalcin] Pietschmann P. **Wien Med Wochenschr** 1990 Oct 15;140(18–19):493–4 (33 ref.) (Eng. Abstr.) **(Ger)**

OSTEOCHONDRITIS

DIAGNOSIS

[Masked psychopathological conditions imitating pathology of the locomotor system (review of the literature)] Ostroglazov VG, et al. **Zh Nevropatol Psikhiatr** 1991; 91(4):121–8 (134 ref.) **(Rus)**

ETIOLOGY

Freiberg's disease and dislocation of the second metatarsophalangeal joint: etiology and treatment. Beito SB, et al. **Clin Podiatr Med Surg** 1990 Oct;7(4):619–31 (49 ref.)

SURGERY

Arthroscopic treatment of Panner's disease. Ruch DS, et al. **Clin Sports Med** 1991 Jul;10(3):629–36 (7 ref.)

THERAPY

Apophysitis of the fifth metatarsal base. Iselin's disease. Schwartz B, et al. **J Am Podiatr Med Assoc** 1991 Mar; 81(3):128–30 (9 ref.)

[Manual therapy in the combined treatment of patients with vertebral vestibular dysfunction] Likhachev SA, et al. **Vrach Delo** 1991 Jun;(6):20–4 (34 ref.) **(Rus)**

OSTEOCHONDRITIS DISSECANS

RADIOGRAPHY

Injuries to the talus-neck fractures and osteochondral lesions (osteochondritis dissecans). Dickson KF, et al. **J Foot Surg** 1991 May-Jun;30(3):310–8 (28 ref.)

SURGERY

Arthroscopic management of transchondral talar-dome fractures (osteochondritis dissecans) and anterior impingement lesions of the ankle joint. Ewing JW. **Clin Sports Med** 1991 Jul;10(3):677–87 (15 ref.)

Osteochondritis dissecans. Garrett JC. **Clin Sports Med** 1991 Jul;10(3):569–93 (54 ref.)

OSTEOCHONDRODYSPLASIAS

COMPLICATIONS

Urological manifestations of the Melnick-Needles syndrome: a case report and review of the literature. LaMontagne AE. **J Urol** 1991 May;145(5):1020–1 (13 ref.)

Tracheopathia osteochondroplastica complicated with thyroid cancer: case report and review of the literature in Japan. Morita S, et al. **Jpn J Med** 1990 Nov-Dec; 29(6):637–41 (23 ref.)

[Madelung's disease and lesions of the extensor tendons. A case report] Rondier J, et al. **Rev Chir Orthop** 1990; 76(3):204–8 (10 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

What is the value of growth hormone treatment in short children with specified syndrome? Turner's syndrome, osteochondrodysplasias, Prader-Willi syndrome, Noonan syndrome. Nilsson KO. **Acta Paediatr Scand Suppl** 1989; 362:61–8 (67 ref.)

GENETICS

[Fatal nanism: 3 different entities] Escrivá Tomás P, et al. **An Esp Pediatr** 1991 Apr;34(4):305–9 (11 ref.) (Eng. Abstr.)

(Spa)

PATHOLOGY

[Schwartz-Jampel syndrome. Clinical and histopathological study of 4 cases] Ben Hamida M, et al. **Rev Neurol (Paris)** 1991;147(4):279–84 (15 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Pyle's disease. Review of the literature apropos of a case] Borget C, et al. **Rev Rhum Mal Osteoartic** 1991 Apr; 58(4):291–4 (11 ref.) **(Fre)**

OSTEOCHONDROMA

SURGERY

[Endobronchial osteochondroma—report of a case] Misaki K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Feb; 39(2):251–5 (14 ref.) (Eng. Abstr.) **(Jpn)**

OSTEOCHONDROMATOSIS, SYNOVIAL see **CHONDROMATOSIS, SYNOVIAL**

OSTEOCHONDROSIS see **OSTEOCHONDRITIS**

OSTEOCLASTIC BONE LOSS see **BONE RESORPTION**

OSTEOCLASTS

CYTOLOGY

Osteoclast differentiation. Roodman GD. **Crit Rev Oral Biol Med** 1991;2(3):389–409 (158 ref.)

What's new in osteoclast ontogeny? Zheng MH, et al. **Pathol Res Pract** 1991 Jan;187(1):117–25 (94 ref.)

[Origin of osteoclasts and the role of osteoblasts in osteoclast differentiation] Suda T, et al. **Nippon Seikeigeka Gakkai Zasshi** 1991 Apr;65(4):261–70 (33 ref.) **(Jpn)**

DRUG EFFECTS

The cellular mechanism of action of bisphosphonates. Hughes DE, et al. **Drugs Exp Clin Res** 1991;17(2):109–14 (35 ref.)

METABOLISM

"Calcium receptors" on eukaryotic cells with special reference to the osteoclast. Zaidi M. **Biosci Rep** 1990 Dec; 10(6):493–507 (34 ref.)

Protons and osteoclasts. Arnett TR, et al. **J Bone Miner Res** 1990 Nov;5(11):1099–103 (76 ref.)

PATHOLOGY

Transitional cell carcinoma of the urinary bladder with osteoclast-type giant cells: a report of two cases and review of the literature. Zukerberg LR, et al. **Histopathology** 1990 Nov;17(5):407–11 (30 ref.)

PHYSIOLOGY

Clear zone in osteoclast function: role of podosomes in regulation of bone-resorbing activity. Teti A, et al. **Am J Physiol** 1991 Jul;261(1 Pt 1):C1–7 (57 ref.)

Calcitonin, osteoclasts, and bone turnover. Wallach S, et al. **Calcif Tissue Int** 1990 Dec;47(6):388–91 (0 ref.)

ULTRASTRUCTURE

Osteoclasts: structure and function. Pierce AM, et al. **Electron Microsc Rev** 1991;4(1):1–45 (228 ref.)

OSTEOGENESIS

Bone growth around dental implants. Weinlaender M. **Dent Clin North Am** 1991 Jul;35(3):585–601 (48 ref.)

Ingrowth and formation of bone in defects in an uncemented fiber-metal total hip-replacement model in dogs. Kang JD, et al. **J Bone Joint Surg [Am]** 1991 Jan;73(1):93–105 (64 ref.)

[Osteocalcin] Pietschmann P. **Wien Med Wochenschr** 1990 Oct 15;140(18–19):493–4 (33 ref.) (Eng. Abstr.) **(Ger)**

[Osteogenic stem cells of the bone marrow] Fridenshtein AIa. **Ontogenez** 1991 Mar–Apr;22(2):189–97 (23 ref.) (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Recent progress in bone induction by osteogenin and bone morphogenetic proteins: challenges for biomechanical and tissue engineering. Reddi AH, et al. **J Biomech Eng** 1991 May;113(2):189–90 (15 ref.)

PHYSIOLOGY

A model of osteon closure in cortical bone. Polig E, et al. **Calcif Tissue Int** 1990 Nov;47(5):261–9 (27 ref.)

Cartilage begets bone versus endochondral myelopoiesis. Caplan AI. **Clin Orthop** 1990 Dec;(261):257–67 (27 ref.)

Bone growth factors. Mohan S, et al. **Clin Orthop** 1991 Feb; (263):30–48 (181 ref.)

Bone morphogenetic proteins. Wozney JM. **Prog Growth Factor Res** 1989;1(4):267–80 (68 ref.)

OSTEOGENESIS IMPERFECTA

DIAGNOSIS

Clinical screening for collagen defects in connective tissue diseases. Cohn DH, et al. **Clin Perinatol** 1990 Dec; 17(4):793–809 (107 ref.)

ETIOLOGY

[Osteogenesis imperfecta] Reinholt FP. **Tidsskr Nor Laegeforen** 1990 Aug 20;110(19):2511, 2516 (7 ref.) **(Nor)**

GENETICS

Osteogenesis imperfecta: translation of mutation to phenotype. Byers PH, et al. **J Med Genet** 1991 Jul; 28(7):433–42 (82 ref.)

Brittle bones—fragile molecules: disorders of collagen gene structure and expression. Byers PH. **Trends Genet** 1990 Sep; 6(9):293–300 (48 ref.)

SURGERY

Stapes surgery in osteogenesis imperfecta: analysis of postoperative hearing loss. Garretsen TJ, et al. **Ann Otol Rhinol Laryngol** 1991 Feb;100(2):120–30 (45 ref.)

OSTEOLYSIS

ETIOLOGY

[Osteolytic forms of rheumatoid polyarthritis. Personal cases and review of the literature] Tavernier C, et al. **Rev Rhum Mal Osteoartic** 1991 Feb;58(2):81–8 (36 ref.) (Eng. Abstr.) **(Fre)**

VETERINARY

[Spavin in horses] Barneveld A. **Tijdschr Diergeneeskd** 1990 Dec 15;115(24):1162–7 (0 ref.) (Eng. Abstr.) **(Dut)**

OSTEOLYSIS, ESSENTIAL

CLASSIFICATION

[Essential osteolysis. Study of 3 cases and a classification trial] Bisagni-Faure A, et al. **Ann Med Interne (Paris)** 1991; 142(1):17–20 (33 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[The Hajdu-Cheney syndrome. The basilar impression as a diagnostic sign] Laudi B, et al. **Dtsch Med Wochenschr** 1991 Aug 23;116(34):1285–9 (32 ref.) **(Ger)**

PATHOLOGY

Massive osteolysis of the maxillofacial bones. Report of two cases. Ohya T, et al. **Oral Surg Oral Med Oral Pathol** 1990 Dec;70(6):698–703 (23 ref.)

RADIOGRAPHY

Massive pelvic osteolysis in the Gorham-Stout syndrome. Kulenkampff HA, et al. **Int Orthop** 1990;14(4):361–6 (76 ref.)

The Hajdu-Cheney syndrome: a case report and review of the literature. Diren HB, et al. **Pediatr Radiol** 1990; 20(7):568–9 (19 ref.)

OSTEOLYSIS, IDIOPATHIC MULTICENTRIC see **OSTEOLYSIS, ESSENTIAL**

OSTEOLYSIS, MASSIVE see **OSTEOLYSIS, ESSENTIAL**

OSTEOMA

Osteoma of the mastoid bone. Probst LE, et al. **J Otolaryngol** 1991 Jun;20(3):228–30 (18 ref.)

[Osteoma of the mastoid] Morais Pérez D, et al. **Acta Otorrinolaringol Esp** 1990 Sep–Oct;41(5):343–6 (19 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Bilateral choroidal osteoma in an aged patient] Menchini U, et al. **J Fr Ophtalmol** 1990;13(1–2):3–9 (15 ref.) (Eng. Abstr.) **(Fre)**

[A case of giant osteoma in the occipital bone] Nishitani K, et al. **No Shinkei Geka** 1990 Oct;18(10):947–52 (16 ref.) (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Pigmented postacne osteoma cutis in a patient treated with minocycline: report and review of the literature. Moritz DL, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 2):851–3 (19 ref.)

GENETICS

[Gardner's syndrome. Review of the literature. Report of a familial form] Camuzard JF, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(7):509–13 (39 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Chondroosteoid breast tumor with multi-nucleated giant cells. Case report and review of the literature] Oemus K, et al. **Pathologe** 1990 Sep;11(5):307–12 (29 ref.) **(Ger)**

SURGERY

Management of a large frontoethmoid osteoma with sinus cranialization and cranial bone graft reconstruction. Schwartz MS, et al. **Int J Pediatr Otorhinolaryngol** 1990 Sep;20(1):63–72 (12 ref.)

[Ossifying fibroma of the cranial vault. Case report] Shose Y, et al. **Neurol Med Chir (Tokyo)** 1990;30(11 Spec No):879–83 (27 ref.) (Eng. Abstr.) **(Jpn)**

OSTEOMA, OSTEOID

Osteoid osteomas of the hand. Report of three cases and review of the literature. Muren C, et al. **Acta Radiol** 1991 Jan;32(1):62–6 (22 ref.)

Atypical multiple benign osteoblastomas accompanied by simple bone cysts. A case report. Asada Y, et al. **J Craniomaxillofac Surg** 1991 May;19(4):166–71 (41 ref.)

[Osteoid osteoma of the distal end of the radius. Review of the literature in light of a case] Clermont D, et al. **Ann Chir Main Memb Super** 1991;10(2):146–7 (18 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Juxta-articular osteoid osteoma—Image morphology and diagnosis] Dietlein M, et al. **Aktuel Traumatol** 1990 Dec; 20(6):288–91 (32 ref.) (Eng. Abstr.) **(Ger)**

[Osteoid osteoma of the foot] De Palma L, et al. **Arch Putti Chir Organi Mov** 1990;38(1):113–22 (29 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

Malignant transformation of an osteoblastoma of the skull: an exceptional occurrence. Case report. Figarella-Branger D, et al. **J Neurosurg** 1991 Jul;75(1):138–42 (20 ref.)

RADIOGRAPHY

Osteoid osteoma of the scapula. A case report and review of the literature. Mosheiff R, et al. **Clin Orthop** 1991 Jan; (262):129–31 (20 ref.)

Osteoid osteoma. Kransdorf MJ, et al. **Radiographics** 1991 Jul;11(4):671–96 (73 ref.)

[Costal osteoid osteoma. Apropos of a case. Review of the literature] Montane de la Roque P, et al. **Rev Rhum Mal Osteoartic** 1991 Jan;58(1):43–5 (8 ref.) **(Fre)**

SURGERY

Benign osteoblastoma of the sphenoid bone. Ciappetta P, et al. **Neurochirurgia (Stuttg)** 1991 May;34(3):97–100 (34 ref.)

OSTEOMALACIA

Rickets and osteomalacia are still around. Pitt MJ. **Radiol Clin North Am** 1991 Jan;29(1):97–118 (135 ref.)

[Osteomalacia. I. Review] Feketeová E, et al. **Acta Chir Orthop Traumatol Cech** 1990 Jun;57(3):248–51 (13 ref.) (Eng. Abstr.) **(Slo)**

CHEMICALLY INDUCED

Antacid and sucralfate-induced hypophosphatemic osteomalacia: a case report and review of the literature. Chines A, et al. **Calcif Tissue Int** 1990 Nov;47(5):291–5 (26 ref.)

Antacid-induced osteomalacia: a case report with a histomorphometric analysis. Kassem M, et al. **J Intern Med** 1991 Mar;229(3):275–9 (13 ref.)

COMPLICATIONS

Hypophosphatemic osteomalacia in von Recklinghausen neurofibromatosis. Konishi K, et al. **Am J Med Sci** 1991 May;301(5):322–8 (45 ref.)

DIAGNOSIS

Osteomalacia: diagnosis and management. Campbell GA. **Br J Hosp Med** 1990 Nov;44(5):332–3, 336–8 (54 ref.)

ETIOLOGY

Rickets, osteomalacia, and osteopetrosis. Balsan S, et al. **Curr Opin Rheumatol** 1991 Jun;3(3):496–502 (48 ref.)

Metabolic bone disease in primary biliary cirrhosis. Diamond TH. **J Gastroenterol Hepatol** 1990 Jan–Feb;5(1):66–81 (158 ref.)

[Osteomalacia] Kruse HP. **Internist (Berl)** 1991 Feb; 32(2):90–9 (69 ref.) **(Ger)**

[Early calcipenic osteopathy in the panoramic x-ray image of the maxillary and mandibular alveolar process of young adult alcoholics] Szántó D, et al. **Orv Hetil** 1990 Oct 21; 131(42):2313–6 (30 ref.) (Eng. Abstr.) **(Hun)**

GENETICS

Renal failure in adult onset hypophosphatemic osteomalacia with Fanconi syndrome: a family study and review of the literature. Harrison NA, et al. **Clin Nephrol** 1991 Apr;

35(4):148–50 (13 ref.)

PATHOLOGY

Clinical disorders of vitamin D, renal osteodystrophy, and hypophosphatasia. Bontoux D, et al. **Curr Opin Rheumatol** 1990 Feb;2(1):12–9 (25 ref.)

RADIOGRAPHY

[Radiologic skeletal diagnosis in dialysis patients] Rieden K, et al. **Med Klin** 1990 Aug 15;85(8):488–92, 509 (30 ref.) **(Ger)**

OSTEOMYELITIS

Skeletal infections in children. Nelson JD. **Adv Pediatr Infect Dis** 1991;6:59–78 (58 ref.)

Pneumococcal osteomyelitis and arthritis in children. A hospital series and literature review. Jacobs NM. **Am J Dis Child** 1991 Jan;145(1):70–4 (61 ref.)

Ulceration and osteomyelitis. Mulder GD, et al. **Clin Podiatr Med Surg** 1990 Oct;7(4):733–42 (22 ref.)

Diagnosis and treatment of osteomyelitis. Bamberger DM. **Compr Ther** 1990 Aug;16(8):48–53 (22 ref.)

Osteomyelitis of the spine. Büff HU, et al. **Conn Med** 1991 Feb;55(2):71–5 (18 ref.)

Acute osteomyelitis in children. Nelson JD. **Infect Dis Clin North Am** 1990 Sep;4(3):513–22 (29 ref.)

Animal models of osteomyelitis. Knowledge, hypothesis, and speculation. Rissing JP. **Infect Dis Clin North Am** 1990 Sep;4(3):377–90 (79 ref.)

[Current status of osteomyelitis] Gomis Gavilán M. **An Med Interna** 1991 Jun;8 Suppl 2:42–3 (13 ref.) **(Spa)**

COMPLICATIONS

Group G streptococcus septic arthritis and osteomyelitis: report and literature review. Burkert T, et al. **J Rheumatol** 1991 Jun;18(6):904–7 (44 ref.)

Osteomyelitis of the mandible in a patient with dysosteosclerosis. Report of a case. Packota GV, et al. **Oral Surg Oral Med Oral Pathol** 1991 Feb;71(2):144–7 (10 ref.)

Cytomegalovirus–induced osteomyelitis in a patient with the acquired immunodeficiency syndrome. Berman S, et al. **South Med J** 1990 Oct;83(10):1231–2 (11 ref.)

[Neonatal osteomyelitis. Study of a series of 35 cases] Coto Cotallo GD, et al. **An Esp Pediatr** 1990 Nov;33(5):429–34 (28 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Manifestations of systemic disease and infections of the musculoskeletal system [published erratum appears in Curr Opin Radiol 1990 Dec;2(6):965] Patton JT. **Curr Opin Radiol** 1990 Oct;2(5):678–83 (12 ref.)

Diagnostic imaging of osteomyelitis. Schauwecker DS, et al. **Infect Dis Clin North Am** 1990 Sep;4(3):441–63 (73 ref.)

Diagnosis of osteomyelitis. Gold R. **Pediatr Rev** 1991 Apr; 12(10):292–7 (0 ref.)

DRUG THERAPY

Newer concepts in antimicrobial therapy. Gentry LO. **Clin Orthop** 1990 Dec;(261):23–6 (12 ref.)

Antibiotic therapy for osteomyelitis. Gentry LO. **Infect Dis Clin North Am** 1990 Sep;4(3):485–99 (74 ref.)

Toxicities of antimicrobial agents used to treat osteomyelitis. Stiefeld SM, et al. **Orthop Clin North Am** 1991 Jul; 22(3):439–65 (182 ref.)

[Treatment of local infection with taurolin] Burri C. **Aktuel Probl Chir Orthop** 1990;34:78–84 (7 ref.) **(Ger)**

[Use of fluoroquinolone chemotherapy in orthopedics and traumatology] Krčméry V Jr. **Acta Chir Orthop Traumatol Cech** 1991 Mar;58(1–2):37–46 (39 ref.) (Eng. Abstr.) **(Slo)**

ETIOLOGY

Gonococcal osteomyelitis. Case report and review of the literature. Ingram CW, et al. **Arch Intern Med** 1991 Jan; 151(1):177–9 (15 ref.)

The diabetic foot. Soft tissue and bone infection. Lipsky BA, et al. **Infect Dis Clin North Am** 1990 Sep;4(3):409–32 (94 ref.)

Vertebral osteomyelitis. Sapico FL, et al. **Infect Dis Clin North Am** 1990 Sep;4(3):539–50 (37 ref.)

Osteomyelitis of the wrist in a patient with Hodgkin's disease. Hayes TG, et al. **J Intern Med** 1991 May;229(5):467–9 (13 ref.)

Osteomyelitis of the mandible as a result of sickle cell disease. Report and literature review. Shroyer JV 3d, et al. **Oral Surg Oral Med Oral Pathol** 1991 Jul;72(1):25–8 (11 ref.)

Posttraumatic Aeromonas hydrophila osteomyelitis. Bonatus TJ, et al. **Orthopedics** 1990 Oct;13(10):1158–63 (31 ref.)

[Osteomyelitis of the jaw and osteopetrosis] Khochtali H, et al. **Rev Stomatol Chir Maxillofac** 1991;92(4):273–6 (12 ref.) (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Vertebral Candida infections. A case report and review of the literature. Almekinders LC, et al. **Clin Orthop** 1991 Jun;(267):174–8 (26 ref.)

Musculoskeletal infection, microbial adhesion, and antibiotic resistance. Gristina AG, et al. **Infect Dis Clin North Am** 1990 Sep;4(3):391–408 (52 ref.)

Vertebral osteomyelitis caused by Nocardia asteroides: report and review of the literature. Laurin JM, et al. **J Rheumatol** 1991 Mar;18(3):455–8 (16 ref.)

Osteomyelitis due to Cryptococcus neoformans in advanced age. Case report and review of literature. Kromminga R, et al. **Mycoses** 1990 Apr;33(4):157–66 (34 ref.)

Mechanisms of musculoskeletal sepsis. Gristina AG, et al. **Orthop Clin North Am** 1991 Jul;22(3):363–71 (58 ref.)

Salmonella osteomyelitis of the skull base. Senegor M, et al. **Surg Neurol** 1991 Jul;36(1):37–9 (14 ref.)

[Aspergillus osteomyelitis of the sternum. Description of a case and review of the literature] Ollé JE, et al. **Enferm Infecc Microbiol Clin** 1990 Feb;8(2):94–6 (37 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Septic arthritis and osteomyelitis in children. Petty RE. **Curr Opin Rheumatol** 1990 Aug;2(4):616–21 (17 ref.)

PREVENTION & CONTROL

[Incidence of infection, causes and prevention of osteitis in trauma surgery] Haas N, et al. **Aktuel Probl Chir Orthop** 1990;34:8–26 (19 ref.) **(Ger)**

PSYCHOLOGY

The effect of chronic orthopedic infection on quality of life. Cheatle MD. **Orthop Clin North Am** 1991 Jul;22(3):539–47 (23 ref.)

RADIOGRAPHY

[Imaging of infections of the locomotor apparatus] Garcia J. **J Radiol** 1990 Dec;71(12):641–55 (23 ref.) **(Fre)**

RADIONUCLIDE IMAGING

Radionuclide imaging in suspected bone and joint infection. Schauwecker DS. **Curr Opin Radiol** 1990 Dec;2(6):827–33 (27 ref.)

SURGERY

Surgical approaches in osteomyclitis. Use of laser Doppler flowmetry to determine nonviable bone. Swiontkowski MF. **Infect Dis Clin North Am** 1990 Sep;4(3):501–12 (27 ref.)

Osteomyelitis. The Ilizarov perspective. Green SA. **Orthop Clin North Am** 1991 Jul;22(3):515–21 (24 ref.)

[Bone transplantation in post–traumatic osteitis] Burri C. **Aktuel Probl Chir Orthop** 1990;34:107–26 (42 ref.) **(Ger)**

[Quality control in bone infection] Russe OJ. **Aktuel Probl Chir Orthop** 1990;34:150–2 (9 ref.) **(Ger)**

[Irrigation drainage in local treatment of infection of bones and joints] Wörsdörfer O, et al. **Aktuel Probl Chir Orthop** 1990;34:55–64 (30 ref.) **(Ger)**

THERAPY

The management of chronic osteomyelitis. Cole WG. **Clin Orthop** 1991 Mar;(264):84–9 (11 ref.)

Update on chronic osteomyelitis. Anthony JP, et al. **Clin Plast Surg** 1991 Jul;18(3):515–23 (72 ref.)

Hyperbaric oxygen as adjunctive therapy for osteomyelitis. Mader JT, et al. **Infect Dis Clin North Am** 1990 Sep; 4(3):433–40 (17 ref.)

The use of adjunctive hyperbaric oxygen in treatment of orthopedic infections and problem wounds: an overview and case reports. Berg E, et al. **J Invest Surg** 1989; 2(4):409–21 (10 ref.)

Does hyperbaric oxygen have a place in the treatment of osteomyelitis? Calhoun JH, et al. **Orthop Clin North Am** 1991 Jul;22(3):467–71 (36 ref.)

VETERINARY

Posttraumatic osteomyelitis. Braden TD. **Vet Clin North Am Small Anim Pract** 1991 Jul; 21(4):781–811 (18 ref.)

Morphology of fracture nonunion and osteomyelitis. Woodard JC, et al. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):813–44 (26 ref.)

OSTEONECROSIS

COMPLICATIONS

Spinal cord compression secondary to vertebral aseptic osteonecrosis. Laloux P, et al. **Spine** 1991 Apr;16(4):480–1 (6 ref.)

DIAGNOSIS

Avascular necrosis of bone. Zizic TM. **Curr Opin Rheumatol** 1990 Feb;2(1):26–37 (33 ref.)

ETIOLOGY

Osteonecrosis. Zizic TM. **Curr Opin Rheumatol** 1991 Jun; 3(3):481–9 (41 ref.)

SURGERY

[Aseptic necrosis of the lunate bone. Etiology, clinical aspects, stage–adjusted therapy] Ehall R, et al. **Beitr Orthop Traumatol** 1990 Jul;37(7):414–22 (59 ref.) (Eng. Abstr.) **(Ger)**

OSTEONECTIN

PHYSIOLOGY

Extracellular proteins that modulate cell–matrix interactions. SPARC, tenascin, and thrombospondin. Sage EH, et al. **J Biol Chem** 1991 Aug 15;266(23):14831–4 (81 ref.)

OSTEOPATHIC MANIPULATION see **MANIPULATION, ORTHOPEDIC**

OSTEOPATHIC MEDICINE

TRENDS

Osteopathic research: the needed paradigm shift. Korr IM. **J Am Osteopath Assoc** 1991 Feb;91(2):156, 161–8, 170–1 (49 ref.)

OSTEOPATHY see **OSTEOPATHIC MEDICINE**

OSTEOPENIA see **BONE DISEASES, METABOLIC**

OSTEOPETROSIS

COMPLICATIONS

[Osteomyelitis of the jaw and osteopetrosis] Khochtali H, et al. **Rev Stomatol Chir Maxillofac** 1991;92(4):273–6 (12 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Rickets, osteomalacia, and osteopetrosis. Balsan S, et al. **Curr Opin Rheumatol** 1991 Jun;3(3):496–502 (48 ref.)

MICROBIOLOGY

A new approach to the study of the origin of genetic diseases: retroviral etiology of osteopetrosis. Labat ML. **Biomed Pharmacother** 1991;45(1):23–7 (28 ref.)

PHYSIOPATHOLOGY

Fluorosis, osteopetrosis, and ectopic calcification. de Vernejoul MC. **Curr Opin Rheumatol** 1990 Feb;2(1):44–6 (7 ref.)

RADIOGRAPHY

[A case of pyknodysostosis (the clinico–radiological characteristics)] Leu EG, et al. **Pediatrie** 1990 Apr–Jun; 39(2):181–6 (6 ref.) **(Rum)**

OSTEOPHYTOSIS, SPINAL see **SPINAL OSTEOPHYTOSIS**

OSTEOPOROSIS

NIAMSD releases consensus report on osteoporosis. **Am Fam Physician** 1991 Feb;43(2):673, 677 (0 ref.)

Osteoporosis. Compston JE. **Clin Endocrinol (Oxf)** 1990 Nov; 33(5):653–82 (281 ref.)

Osteoporosis. New insights from bone densitometry [see comments] Need AG, et al. **J Am Geriatr Soc** 1990 Oct; 38(10):1153–8 (64 ref.) Comment in: J Am Geriatr Soc 1990 Oct;38(10):1159–60.

Osteoporosis. Gillespy T 3d, et al. **Radiol Clin North Am** 1991 Jan;29(1):77–84 (66 ref.)

Overview of osteoporosis. Riggs BL. **West J Med** 1991 Jan; 154(1):63–77 (92 ref.)

COMPLICATIONS

Calcium intake in the osteoporotic fracture context: introduction. Heaney RP. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):242S–244S (12 ref.)

Alveolar ridge resorption and mandibular atrophy. A review of the role of local and systemic factors. Devlin H, et al. **Br Dent J** 1991 Feb 9;170(3):101–4 (38 ref.)

Osteoporosis in rheumatoid arthritis—the laboratory perspective [editorial] Peel NF, et al. **Br J Rheumatol** 1991 Apr;30(2):84–5 (38 ref.)

Insufficiency fracture of the sacrum with displacement and neurologic damage: a case report and review of the literature. Jones JW. **J Am Geriatr Soc** 1991 Mar; 39(3):280–3 (16 ref.)

That old hip. The osteoporosis process. Hay EK. **Nurs Clin North Am** 1991 Mar;26(1):43–51 (16 ref.)

Simply osteoporosis—or multifactorial genesis for the increasing incidence of fall injuries in the elderly? The need for a scientific approach to reducing injuries. Svanström L. **Scand J Soc Med** 1990 Sep;18(3):165–9 (44 ref.)

Osteoporosis associated with rheumatoid arthritis: pathogenesis and management. Joffe I, et al. **Semin Arthritis Rheum** 1991 Feb;20(4):256–72 (153 ref.)

[Neurologic complications of osteoporotic vertebral compression. 3 new cases and critical analysis of the literature] Lafforgue P, et al. **Rev Rhum Mal Osteoartic**

1990 Oct;57(9):619–25 (21 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

MRI of transient osteoporosis of the hip. Grimm J, et al. **Arch Orthop Trauma Surg** 1991;110(2):98–102 (28 ref.)
Osteoporosis. Current techniques and recent developments in quantitative bone densitometry. Lang P, et al. **Radiol Clin North Am** 1991 Jan;29(1):49–76 (138 ref.)
Understanding osteoporosis. Marcus R. **West J Med** 1991 Jul;155(1):53–60 (78 ref.)
[Indications for bone-mass measurements] Liel Y, et al. **Harefuah** 1991 Mar 1;120(5):277–8 (16 ref.) **(Heb)**
[Osteoporosis in men] Rapado A, et al. **Med Clin (Barc)** 1990 Sep 29;95(10):389–93 (68 ref.) **(Spa)**

DRUG THERAPY

Is systemic treatment of osteoporosis and mandibular resorption possible? Driessens FC, et al. **Acta Stomatol Belg** 1990 Jun;87(2):107–24 (104 ref.)
Etidronate for hypercalcemia of malignancy and osteoporosis. Horowitz E, et al. **Am Fam Physician** 1991 Jun;43(6):2155–9 (13 ref.)
Fluorides and osteoporosis. Kleerekoper M, et al. **Annu Rev Nutr** 1991;11:309–24 (94 ref.)
Treatment of osteoporosis and Paget's disease. Stewart GO, et al. **Curr Opin Rheumatol** 1991 Jun;3(3):380–7 (46 ref.)
Hormonal prevention and treatment of osteoporosis--state of the art 1990. Christiansen C. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):447–9 (23 ref.)
Is prolonged stimulation of bone growth a therapeutic possibility? Mundy GR. **Mol Cell Endocrinol** 1991 Feb; 75(2):C19–25 (51 ref.)
[Diphosphonates in the treatment of osteoporosis] Papapoulos SE, et al. **Ned Tijdschr Geneeskd** 1991 Mar 30;135(13):553–6 (18 ref.) **(Dut)**
[Choice of doses in the treatment of osteoporosis] Bouvenot G, et al. **Therapie** 1991 Mar–Apr;46(2):143–6 (29 ref.) (Eng. Abstr.) **(Fre)**
[Therapy of osteoporosis with fluorides and calcitonins] Ringe JD. **Internist (Berl)** 1991 Feb;32(2):80–9 (85 ref.) **(Ger)**
[What is reliable in therapy of osteoporosis?] Ziegler R. **Internist (Berl)** 1990 Nov;31(11):680–8 (37 ref.) **(Ger)**
[Therapy of osteoporosis using the ADFR schedule (especially with parathyroid hormone and etidronate)] Ziegler R. **Internist (Berl)** 1991 Feb;32(2):76–9 (13 ref.) **(Ger)**
[Fluoride therapy of osteoporosis] Ziegler R. **Ther Umsch** 1991 Feb;48(2):84–90 (18 ref.) (Eng. Abstr.) **(Ger)**
[Progress in endocrinological therapy of abnormal calcium metabolism and metabolic bone diseases] Tomita A. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):358–63 (29 ref.) **(Jpn)**

EPIDEMIOLOGY

Osteoporosis and hip fractures. Scott JC. **Rheum Dis Clin North Am** 1990 Aug;16(3):717–40 (280 ref.)

ETIOLOGY

Age-related osteoporosis. Rubin CD. **Am J Med Sci** 1991 Apr;301(4):281–98 (121 ref.)
Physiopathology and etiology of osteoporosis. Cormier C. **Curr Opin Rheumatol** 1991 Jun;3(3):457–62 (33 ref.)
Vertebral compression fractures at the onset of acute lymphoblastic leukemia in a child. Oliveri MB, et al. **Henry Ford Hosp Med J** 1991;39(1):45–8 (34 ref.)
Hyperparathyroidism, estrogens, and osteoporosis. Avioli LV. **Hosp Pract [Off]** 1991 Jan 15;26(1):115–22, 127–8, 133–4 (12 ref.)
Metabolic bone disease in primary biliary cirrhosis. Diamond TH. **J Gastroenterol Hepatol** 1990 Jan–Feb;5(1):66–81 (158 ref.)
Are high-performance young women athletes doomed to become low-performance old wives? A reconsideration of the increased risk of osteoporosis in amenorrheic women. De Cree C, et al. **J Sports Med Phys Fitness** 1991 Mar; 31(1):108–14 (30 ref.)
Building bone and losing bone: genetics or environment? **Nutr Rev** 1991 Jun;49(6):187–9 (8 ref.)
[Systemic mastocytosis. Polymorphism of bone involvement. Report of 3 cases 2 of which with diffuse osteocondensation] Macro M, et al. **Rev Rhum Mal Osteoartic** 1990 Oct;57(9):653–60 (50 ref.) **(Fre)**
[Gynecological risk factors for osteoporosis] Mor Z, et al. **Harefuah** 1990 Dec 2;119(11):385–7 (43 ref.) **(Heb)**
[Early calcipenic osteopathy in the panoramic x-ray image of the maxillary and mandibular alveolar process of young adult alcoholics] Szántó D, et al. **Orv Hetil** 1990 Oct 21; 131(42):2313–6 (30 ref.) (Eng. Abstr.) **(Hun)**

PATHOLOGY

Osteoporosis. Cormier C. **Curr Opin Rheumatol** 1990 Feb; 2(1):4–7 (18 ref.)

PHYSIOPATHOLOGY

Post-menopausal osteoporosis and measurements of body composition. Kanis JA, et al. **Basic Life Sci** 1990;55:61–73 (23 ref.)
The clinical application of serial bone mass measurements. Ross PD, et al. **Bone Miner** 1991 Mar;12(3):189–99 (32 ref.)
Pathophysiology of bone loss in castrated animals. Schot LP, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):461–5 (54 ref.)
Sex steroids and osteoporosis: effects of deficiencies and substitutive treatments. Schot LP, et al. **J Steroid Biochem Mol Biol** 1990 Oct;37(2):167–82 (182 ref.)

PREVENTION & CONTROL

Calcium absorption efficiency and calcium requirements in children and adolescents. Peacock M. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):261S–265S (40 ref.)
Use of sensitive TSH assay to determine optimal thyroid hormone therapy and avoid osteoporosis. Wartofsky L. **Annu Rev Med** 1991;42:341–5 (16 ref.)
Fracture prediction models for osteoporosis prevention. Ross PD, et al. **Bone** 1990;11(5):327–31 (33 ref.)
Oestrogen. the prevention of bone loss and osteoporosis. Fogelman I. **Br J Rheumatol** 1991 Aug;30(4):276–81 (63 ref.)
The use of bone mass screening to prevent fractures. Flicker L. **Med J Aust** 1991 Jan 21;154(2):135–40 (57 ref.)
Estrogen therapy during menopause and the treatment of osteoporosis. Noyes MA, et al. **Prim Care** 1990 Sep; 17(3):647–66 (137 ref.)
[Consensus Development Conference. Prevention and treatment of osteoporosis] Christiansen C, et al. **Nord Med** 1991;106(5):145–7 (0 ref.) (Eng. Abstr.) **(Dan)**
[Measurement of bone density and evaluation of risk of fracture] Pouillès JM, et al. **Rev Rhum Mal Osteoartic** 1990 Dec;57(12):889–94 (20 ref.) **(Fre)**
[Calcium in the prevention and treatment of osteoporosis] Burckhardt P. **Ther Umsch** 1991 Feb;48(2):107–12 (50 ref.) (Eng. Abstr.) **(Ger)**
[Calcitonin in the prevention and therapy of osteoporosis] Ringe JD. **Ther Umsch** 1991 Feb;48(2):91–9 (39 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

[Quality of life in the aged---is it threatened by osteoporosis?] Minne HW. **Pharm Unserer Zeit** 1991 May;20(3):109–14 (0 ref.) **(Ger)**

RADIOGRAPHY

Metabolic bone disease. Morphometry. O'Keeffe D. **Radiol Clin North Am** 1991 Jan;29(1):165–74 (37 ref.)
[Clinical aspects and radiologic follow-up in osteoporosis] Minne HW. **Internist (Berl)** 1991 Feb;32(2):70–5 (14 ref.) **(Ger)**
[Radiological diagnosis of osteoporosis] Heuck FH. **Wien Med Wochenschr** 1990 Oct 15;140(18–19):465–70 (47 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Consensus development conference: prophylaxis and treatment of osteoporosis. **Am J Med** 1991 Jan;90(1):107–10 (0 ref.)
[Differential therapy of osteoporosis] Franck H. **Z Rheumatol** 1990 Nov–Dec;49(6):329–37 (68 ref.) (Eng. Abstr.) **(Ger)**

VETERINARY

Fracture disease and related contractures. Anderson GI. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):845–58 (65 ref.)

OSTEOPOROSIS, AGE-RELATED see **OSTEOPOROSIS**

OSTEOPOROSIS, POSTMENOPAUSAL

Postmenopausal osteoporosis. Part 1. Horowitz M, et al. **Aust Fam Physician** 1991 Apr;20(4):494, 496, 498–9 (15 ref.)

DIAGNOSIS

Methodological problems in bone histomorphometry and its application in postmenopausal osteoporosis. Pødenphant J. **Dan Med Bull** 1990 Oct;37(5):424–33 (83 ref.)
[Postmenopausal osteoporosis: how to detect women-at-risk?] Casez JP. **Schweiz Rundsch Med Prax** 1991 Apr 16;80(16):428–30 (36 ref.) (Eng. Abstr.) **(Fre)**
[The usefulness of biochemical markers of bone remodelling in the diagnosis and follow-up of Paget's disease of bone, primary hyperparathyroidism, tumoral hypercalcemia and postmenopausal osteoporosis. I. The markers of bone formation] de la Piedra Gordo C, et al. **An Med Interna** 1990 Sep;7(9):480–6 (39 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

The effects of fluoride on bone. Gruber HE, et al. **Clin Orthop** 1991 Jun;(267):264–77 (58 ref.)
Bisphosphonate therapy for osteoporosis. Attie MF. **Hosp Pract [Off]** 1991 Mar 30;26(3A):87–90 (4 ref.)
Calcitonin and the treatment of osteoporosis. Schneyer CR. **Md Med J** 1991 Jun;40(6):469–73 (32 ref.)
[Estrogens, anabolic steroids and postmenopausal osteoporosis: what are the facts?] Birkenhäger JC. **Ned Tijdschr Geneeskd** 1991 Jun 1;135(22):973–5 (26 ref.) **(Dut)**
[Therapy of osteoporosis with fluorides and calcitonins] Ringe JD. **Internist (Berl)** 1991 Feb;32(2):80–9 (85 ref.) **(Ger)**
[What is reliable in therapy of osteoporosis?] Ziegler R. **Internist (Berl)** 1990 Nov;31(11):680–8 (37 ref.) **(Ger)**
[Therapy of osteoporosis using the ADFR schedule (especially with parathyroid hormone and etidronate)] Ziegler R. **Internist (Berl)** 1991 Feb;32(2):76–9 (13 ref.) **(Ger)**
[Comparative analysis of therapeutic effects of carbocalcitonin and and conjugated estrogens in post-menopausal osteoporosis] Surico N, et al. **Minerva Ginecol** 1990 Dec;42(12):529–37 (35 ref.) (Eng. Abstr.) **(Ita)**

EPIDEMIOLOGY

[Post-menopausal osteoporosis in Mexico] Gómez García F. **Ginecol Obstet Mex** 1991 Apr;59:122–7 (19 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

[Postmenopausal osteoporosis---the current pathogenetic and pathophysiological problems] Todorova S. **Vutr Boles** 1990; 29(6):14–9 (21 ref.) **(Bul)**
[Nutrition and primary osteoporosis] Hötzel D, et al. **Z Gesamte Inn Med** 1991 May;46(7):240–8 (80 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Studies on the relationship between boron and magnesium which possibly affects the formation and maintenance of bones. Nielsen FH. **Magnes Trace Elem** 1990;9(2):61–9 (24 ref.)
[Usefulness of bone remodelling biochemical markers in the diagnosis and follow-up of Paget's bone disease, primary hyperparathyroidism, tumor hypercalcemia, and postmenopausal osteoporosis. II. Bone resorption markers] de la Piedra Gordo C, et al. **An Med Interna** 1990 Oct; 7(10):534–8 (25 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

The clinical application of serial bone mass measurements. Ross PD, et al. **Bone Miner** 1991 Mar;12(3):189–99 (32 ref.)
Overview of osteoporosis. Riggs BL. **West J Med** 1991 Jan; 154(1):63–77 (92 ref.)
[Postmenopausal osteoporosis: pathophysiology and prevention] Birkhäuser M. **Schweiz Rundsch Med Prax** 1991 Apr 16;80(16):418–22 (31 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Estrogen prophylaxis. The U.S. Preventive Services Task Force. **Am Fam Physician** 1990 Nov;42(5):1293–6 (44 ref.)
Calcium supplementation and bone loss: a review of controlled clinical trials. Dawson-Hughes B. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):274S–280S (66 ref.)
Exercise participation after menopause. Sazy JA, et al. **Clin Sports Med** 1991 Apr;10(2):359–69 (26 ref.)
Menopause: estrogen replacement, osteoporosis, and serum lipoproteins. Gnatuk CL, et al. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):187–94 (15 ref.)
Calcium supplementation and bone loss in postmenopausal women. **Nutr Rev** 1991 Jun;49(6):184–7 (6 ref.)
Seasonal fluctuations in parathyroid hormone in relation to vitamin D intake of postmenopausal women. **Nutr Rev** 1990 Dec;48(12):435–8 (7 ref.)
[Consensus Development Conference. Prevention and treatment of osteoporosis] Christiansen C, et al. **Nord Med** 1991;106(5):145–7 (0 ref.) (Eng. Abstr.) **(Dan)**
[Postmenopausal osteoporosis: are there alternatives to estrogen/gestagen substitution?] Gerber NJ, et al. **Schweiz Rundsch Med Prax** 1991 Apr 16;80(16):423–7 (32 ref.) (Eng. Abstr.) **(Ger)**
[Prevention of postmenopausal osteoporosis] Birkhäuser M. **Ther Umsch** 1991 Feb;48(2):77–83 (17 ref.) (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Clinical aspects and radiologic follow-up in osteoporosis] Minne HW. **Internist (Berl)** 1991 Feb;32(2):70–5 (14 ref.) **(Ger)**

OSTEOPOROSIS, SENILE see **OSTEOPOROSIS**

OSTEOSARCOMA

Primary osteosarcoma of a phalanx. Finci R, et al. **J Hand Surg [Br]** 1991 May;16(2):204–7 (11 ref.)
Primary osteosarcoma of the lung. Report of two cases and review of the literature. Loose JH, et al. **J Thorac Cardiovasc Surg** 1990 Dec;100(6):867–73 (20 ref.)
Adolescent bone tumours. Earl H, et al. **Practitioner** 1990 Sep;234(1494):816–8 (3 ref.)
[Breast osteosarcoma. Review of the literature and presentation of two cases] Rodier-Bruant C, et al. **Rev Fr Gynecol Obstet** 1991 Jan;86(1):43–8 (35 ref.) (Eng. Abstr.) **(Fre)**

CLASSIFICATION

Surface osteosarcoma. Raymond AK. **Clin Orthop** 1991 Sep; (270):140–8 (33 ref.)

DIAGNOSIS

Diagnostic imaging of osteosarcoma. Seeger LL, et al. **Clin Orthop** 1991 Sep;(270):254–63 (23 ref.)

Pure primary osteosarcoma of the ovary presenting as an extensively calcified adnexal mass: a case report and review of the literature. Hines JF, et al. **Gynecol Oncol** 1990 Dec; 39(3):259–63 (19 ref.)

DRUG THERAPY

Response of osteosarcoma and Ewing sarcoma to chemotherapy: imaging evaluation. Fletcher BD. **AJR Am J Roentgenol** 1991 Oct;157(4):825–33 (74 ref.)

Secondary myelodysplastic syndrome complicating therapy for osteogenic sarcoma. Pappo A, et al. **Cancer** 1991 Sep 15;68(6):1373–5 (24 ref.)

The management of osteosarcoma in adults. Souhami RL. **Clin Oncol (R Coll Radiol)** 1990 Mar;2(2):102–7 (18 ref.)

Experience with multiagent chemotherapy for osteosarcoma. Improved outcome. Goorin AM, et al. **Clin Orthop** 1991 Sep;(270):22–8 (22 ref.)

Local control and survival from the Cooperative Osteosarcoma Study Group studies of the German Society of Pediatric Oncology and the Vienna Bone Tumor Registry. Winkler K, et al. **Clin Orthop** 1991 Sep; (270):79–86 (28 ref.)

Osteosarcoma. Clinical features and evolving surgical and chemotherapeutic strategies. Meyer WH, et al. **Pediatr Clin North Am** 1991 Apr;38(2):317–48 (136 ref.)

EPIDEMIOLOGY

Comparative aspects of osteosarcoma. Dog versus man. Withrow SJ, et al. **Clin Orthop** 1991 Sep;(270):159–68 (83 ref.)

GENETICS

Molecular genetic considerations in osteosarcoma. Hansen MF. **Clin Orthop** 1991 Sep;(270):237–46 (53 ref.)

The cellular biology of bone tumors. Womer RB. **Clin Orthop** 1991 Jan;(262):12–21 (39 ref.)

PATHOLOGY

Osteosarcoma. Campanacci M, et al. **Bull Hosp Jt Dis Orthop Inst** 1991 Spring;51(1):1–11 (0 ref.)

Musculoskeletal tumor staging: 1988 update. Enneking WF. **Cancer Treat Res** 1989;44:39–49 (11 ref.)

Radiation and pagetic osteogenic sarcomas. Healey JH, et al. **Clin Orthop** 1991 Sep;(270):128–34 (25 ref.)

Malignant transformation of an osteoblastoma of the skull: an exceptional occurrence. Case report. Figarella-Branger D, et al. **J Neurosurg** 1991 Jul;75(1):138–42 (20 ref.)

RADIOGRAPHY

Survival and management considerations in postirradiation osteosarcoma and Paget's osteosarcoma. Frassica FJ, et al. **Clin Orthop** 1991 Sep;(270):120–7 (24 ref.)

[X-ray diagnosis of osteogenic sarcoma of the jaw] Zhang G, et al. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1990 Mar;25(2):120–2 (15 ref.) **(Chi)**

SURGERY

A review of 13-years experience of osteosarcoma. Carter SR, et al. **Clin Orthop** 1991 Sep;(270):45–51 (11 ref.)

Limb-salvage surgery in the treatment of osteosarcoma in skeletally immature individuals. Finn HA, et al. **Clin Orthop** 1991 Jan;(262):108–18 (32 ref.)

Current management, local management, and survival statistics of high-grade osteosarcoma. Experience in Japan. Ogihara Y, et al. **Clin Orthop** 1991 Sep;(270):72–8 (21 ref.)

Limb salvage for osteosarcoma in the 1980s. Simon MA. **Clin Orthop** 1991 Sep;(270):264–70 (24 ref.)

Osteosarcoma. Clinical features and evolving surgical and chemotherapeutic strategies. Meyer WH, et al. **Pediatr Clin North Am** 1991 Apr;38(2):317–48 (136 ref.)

THERAPY

Osteogenic osteosarcoma: a model of curable disease by multidisciplinary approach of treatment. Delépine N, et al. **Biomed Pharmacother** 1990;44(5):243–8 (35 ref.)

IIB osteosarcoma. Current management, local control, and survival statistics--The Netherlands. Veth RP. **Clin Orthop** 1991 Sep;(270):67–71 (38 ref.)

Osteosarcoma. Winkler K, et al. **Curr Opin Oncol** 1990 Jun; 2(3):486–90 (19 ref.)

Osteosarcoma. Jaffe N. **Pediatr Rev** 1991 May;12(11):333–43 (28 ref.)

VETERINARY

Fracture-associated sarcomas. Stevenson S. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):859–72 (52 ref.)

OSTEOSCLEROSIS

DIAGNOSIS

Condensing osteitis of the clavicle. Report of two cases and review of the literature. Lissens M, et al. **Acta Belg Med Phys** 1990 Oct-Dec;13(4):235–40 (17 ref.)

ETIOLOGY

[Systemic mastocytosis. Polymorphism of bone involvement. Report of 3 cases 2 of which with diffuse osteocondensation] Macro M, et al. **Rev Rhum Mal Osteoartic** 1990 Oct;57(9):653–60 (50 ref.) **(Fre)**

OSTEOSCLEROSIS FRAGILIS see **OSTEOPETROSIS**

OSTEOSYNTHESIS, FRACTURE see **FRACTURE FIXATION, INTERNAL**

OSTEOSYNTHESIS, FRACTURE, INTRAMEDULLARY see **FRACTURE FIXATION, INTRAMEDULLARY**

OSTEOTOMY

When osteotomies should be considered. Rosen HM. **Clin Plast Surg** 1991 Jan;18(1):205–12 (10 ref.)

Calcaneal osteotomy for retrocalcaneal exostosis. Green AH, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):659–65 (18 ref.)

Bradycardia and the trigeminal nerve. Barnard NA, et al. **J Craniomaxillofac Surg** 1990 Nov;18(8):359–60 (19 ref.)

[Total hip prosthesis after high femoral osteotomy] Carret JP, et al. **Rev Chir Orthop** 1991;77(2):83–91 (16 ref.) (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Surgical ciliated (postoperative maxillary) cysts following mid-face osteotomies. Sugar AW, et al. **Br J Oral Maxillofac Surg** 1990 Aug;28(4):264–7 (20 ref.)

Complications of lesser metatarsal surgery. Bellacosa RA, et al. **Clin Podiatr Med Surg** 1991 Apr;8(2):383–97 (28 ref.)

Complications of calcaneal osteotomies. Frankel J, et al. **Clin Podiatr Med Surg** 1991 Apr;8(2):409–23 (11 ref.)

Intra- and early postoperative complications of the Le Fort I osteotomy. A retrospective study on 410 cases. de Mol van Otterloo JJ, et al. **J Craniomaxillofac Surg** 1991 Jul; 19(5):217–22 (48 ref.)

Facial nerve injuries associated with orthognathic surgery: a review of incidence and management. Jones JK, et al. **J Oral Maxillofac Surg** 1991 Jul;49(7):740–4 (18 ref.)

Major vascular complications of orthognathic surgery: false aneurysms and arteriovenous fistulas following orthognathic surgery. Lanigan DT, et al. **J Oral Maxillofac Surg** 1991 Jun;49(6):571–7 (35 ref.)

Management of delayed union and nonunion of maxillary osteotomies. Van Sickels JE, et al. **J Oral Maxillofac Surg** 1990 Oct;48(10):1039–44 (10 ref.)

INSTRUMENTATION

[The importance of avoiding the use of rigid fixation in functional genioplasty] Precious DS, et al. **Rev Stomatol Chir Maxillofac** 1990;91(5):349–56 (22 ref.) (Eng. Abstr.) **(Fre)**

METHODS

Segmental osteotomy of the upper and lower jaw. Ohmori K, et al. **Clin Plast Surg** 1991 Jan;18(1):163–9 (4 ref.)

Posterior calcaneal osteotomy. Effect, technique, and indications. Jacobs AM, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):647–57 (35 ref.)

Cole osteotomy. Navicular-cuneiform arthrodesis-transcuboidal osteotomy. Leal LO, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):637–45 (15 ref.)

Soft-tissue bunionectomy with first metatarsal ostectomy using minimal incision technique. Van Enoo RE. **Clin Podiatr Med Surg** 1991 Jan;8(1):71–80 (18 ref.)

Treatment of bunionette deformity with longitudinal diaphyseal osteotomy with distal soft tissue repair. Coughlin MJ. **Foot Ankle** 1991 Feb;11(4):195–203 (34 ref.)

Bone contouring and fixation in functional, primary microvascular mandibular reconstruction. Buchbinder D, et al. **Head Neck** 1991 May-Jun;13(3):191–9 (21 ref.)

[Corrective osteotomy of malunited distal radius fractures] Oestern HJ, et al. **Orthopade** 1990 Nov;19(6):343–9 (52 ref.) (Eng. Abstr.) **(Ger)**

[Spondylodiscitis in kyphotic deformity of ankylosing spondylitis and its healing affected by dorsal correction osteotomies. Report of 33 patients] Hehne HJ, et al. **Z Orthop** 1990 Sep-Oct;128(5):494–502 (68 ref.) (Eng. Abstr.) **(Ger)**

["Sound" surgical concepts and problematic indications in orthopedics] Mau H. **Z Orthop** 1991 Mar-Apr;129(2):141–5 (6 ref.) (Eng. Abstr.) **(Ger)**

[Surgical treatment of gonarthrosis] Assennato G, et al. **Clin Ter** 1990 Jun 30;133(6):355–64 (28 ref.) (Eng. Abstr.) **(Ita)**

STANDARDS

A review of 13-years experience of osteosarcoma. Carter SR, et al. **Clin Orthop** 1991 Sep;(270):45–51 (11 ref.)

Experience with multiagent chemotherapy for osteosarcoma. Improved outcome. Goorin AM, et al. **Clin Orthop** 1991 Sep;(270):22–8 (22 ref.)

Current management, local management, and survival statistics of high-grade osteosarcoma. Experience in Japan. Ogihara Y, et al. **Clin Orthop** 1991 Sep;(270):72–8 (21 ref.)

Limb salvage for osteosarcoma in the 1980s. Simon MA. **Clin Orthop** 1991 Sep;(270):264–70 (24 ref.)

IIB osteosarcoma. Current management, local control, and survival statistics--The Netherlands. Veth RP. **Clin Orthop** 1991 Sep;(270):67–71 (38 ref.)

VETERINARY

Malunions. Anson LW. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):761–80 (19 ref.)

OSTERTAGIASIS

VETERINARY

Ostertagiasis in cattle. Myers GH, et al. **J Vet Diagn Invest** 1989 Apr;1(2):195–200 (30 ref.)

OSTOMY

REHABILITATION

Sexuality: an unknown word for patients with a stoma? Wells RJ. **Recent Results Cancer Res** 1991;121:115–20 (10 ref.)

OTC DRUGS see **DRUGS, NON-PRESCRIPTION**

OTITIS

[A consensus statement: children with ear inflammations] **Lakartidningen** 1991 May 22;88(21):2002–4 (0 ref.) **(Swe)**

COMPLICATIONS

[Endocranial complications of chronic otitis in adults] Poignonec S, et al. **Ann Otolaryngol Chir Cervicofac** 1990; 107(5):333–40 (15 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

[Malignant external otitis in diabetics] Ennouri A, et al. **Rev Laryngol Otol Rhinol (Bord)** 1989;110(1):9–12 (14 ref.) (Eng. Abstr.) **(Fre)**

OTITIS EXTERNA

[Otitis externa maligna. Our experience] Giménez Vaíllo F, et al. **An Otorrinolaringol Ibero Am** 1990;17(4):385–95 (15 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Use of quinolones for treatment of ear and eye infections. Barza M. **Eur J Clin Microbiol Infect Dis** 1991 Apr; 10(4):296–303 (25 ref.)

OTITIS INTERNA see **LABYRINTHITIS**

OTITIS MEDIA

Otitis media: an overview of acute and chronic disease [see comments] Facione N. **Nurse Pract** 1990 Oct;15(10):11–22 (66 ref.) Comment in: Nurse Pract 1991 Mar;16(3):11.

Otitis media: the pathogenesis approach. Definitions and terminology. Goycoolea MV, et al. **Otolaryngol Clin North Am** 1991 Aug;24(4):757–61 (10 ref.)

DIAGNOSIS

Cholesteatomatous otitis media. Black B. **Aust Fam Physician** 1991 Jun;20(6):806–8, 810, 812 (4 ref.)

Otolaryngologic approach to the diagnosis and management of otitis media. Jung TT, et al. **Otolaryngol Clin North Am** 1991 Aug;24(4):931–45 (43 ref.)

Pediatric approach to the diagnosis and management of otitis media. Kempthorne J, et al. **Otolaryngol Clin North Am** 1991 Aug;24(4):905–29 (102 ref.)

The concept of silent otitis media. Its importance and implications. Paparella MM, et al. **Otolaryngol Clin North Am** 1991 Aug;24(4):763–74 (17 ref.)

DRUG THERAPY

The role of antihistamines in otitis. Fireman P. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 2):638–41 (15 ref.)

Antimicrobial treatment of acute otitis media. Giebink GS, et al. **J Pediatr** 1991 Sep;119(3):495–500 (35 ref.)

Clinical and pharmacokinetic basis for the antimicrobial treatment of acute otitis media. Canafax DM, et al. **Otolaryngol Clin North Am** 1991 Aug;24(4):859–75 (77 ref.)

Pharmacotherapy of otitis media. Thoene DE, et al. **Pharmacotherapy** 1991;11(3):212–21 (102 ref.)

EPIDEMIOLOGY

What is an 'otitis-prone' child? Alho OP, et al. **Int J Pediatr Otorhinolaryngol** 1991 May;21(3):201–9 (22 ref.)

Epidemiology of otitis media. Daly KA. **Otolaryngol Clin North Am** 1991 Aug;24(4):775–86 (92 ref.)

ETIOLOGY

Otitis media. 16 years of pathogenesis approach. Goycoolea MV, et al. **Otolaryngol Clin North Am** 1991 Aug; 24(4):967–80 (31 ref.)
Mechanisms of otitis media development. Involvement of neurogenic inflammation. Hellström S, et al. **Otolaryngol Clin North Am** 1991 Aug;24(4):829–34 (36 ref.)
The significance of experimental animal studies in otitis media. Juhn SK, et al. **Otolaryngol Clin North Am** 1991 Aug;24(4):813–27 (104 ref.)
The concept of pronicity in otitis media. Prellner K, et al. **Otolaryngol Clin North Am** 1991 Aug;24(4):787–94 (40 ref.)
Otitis media: the pathogenesis approach. Assessment and treatment of associated upper respiratory tract pathology. Sismanis A. **Otolaryngol Clin North Am** 1991 Aug; 24(4):947–55 (62 ref.)
[Non-clostridial anaerobic infection of the oral cavity and the ORL organs] Mironov AIu. **Vestn Otorinolaringol** 1990 Nov-Dec;(6):76–8 (20 ref.) **(Rus)**

MICROBIOLOGY

Pneumocystis carinii otitis media in AIDS: a case report and review of the literature regarding extrapulmonary pneumocystosis. Sandler ED, et al. **Otolaryngol Head Neck Surg** 1990 Nov;103(5 (Pt 1)):817–21 (16 ref.)
Viral otitis media. Chonmaitree T. **Pediatr Ann** 1990 Sep; 19(9):522, 524–5, 527, passim (26 ref.)

PATHOLOGY

Inflammatory disease of the anterior epitympanum. Collins ME, et al. **Am J Otol** 1991 Jan;12(1):11–5 (11 ref.)

PHYSIOPATHOLOGY

Audiologic evaluation of the otitis media patient. Margolis RH, et al. **Otolaryngol Clin North Am** 1991 Aug; 24(4):877–99 (58 ref.)
Middle ear inflammatory mediators and cochlear function. Morizono T, et al. **Otolaryngol Clin North Am** 1991 Aug; 24(4):835–43 (41 ref.)

PREVENTION & CONTROL

Adenoidectomy in otitis media. A review. Sadé J, et al. **Ann Otol Rhinol Laryngol** 1991 Mar;100(3):226–31 (41 ref.)
Staving off acute otitis media. When is prophylaxis with antibiotics desirable? Bergus GR. **Postgrad Med** 1991 Sep 1;90(3):99–106 (22 ref.)

SURGERY

Otitis media: the pathogenesis approach. General surgical approach based on pathogenesis. An overall approach. Goycoolea MV, et al. **Otolaryngol Clin North Am** 1991 Aug;24(4):957–66 (7 ref.)

THERAPY

Clinical approach to treatment of otitis media. Jordan MJ. **Otolaryngol Clin North Am** 1991 Aug;24(4):901–4 (0 ref.)

OTITIS MEDIA, PURULENT see **OTITIS MEDIA, SUPPURATIVE**

OTITIS MEDIA, SECRETORY see **OTITIS MEDIA WITH EFFUSION**

OTITIS MEDIA, SEROUS see **OTITIS MEDIA WITH EFFUSION**

OTITIS MEDIA, SUPPURATIVE

COMPLICATIONS

[A case of epipharyngeal tuberculosis with tuberculosis otitis media] Kawahara T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1990 Aug;93(8):1222–6 (17 ref.) (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Management of recurrent and persistent otitis media. Gonzalez C. **Ear Nose Throat J** 1991 Jan;70(1):21–4 (27 ref.)

OTITIS MEDIA WITH EFFUSION

ETIOLOGY

Ectodermal dysplasia: the otolaryngologic manifestations and management. Siegel MB, et al. **Int J Pediatr Otorhinolaryngol** 1990 Aug;19(3):265–71 (12 ref.)

IMMUNOLOGY

Immunologic mechanisms in secretory otitis media–recent concepts (Part II). Borges Dinis P, et al. **Allerg Immunol (Paris)** 1991 Mar;23(3):81–7 (33 ref.)
Immunologic reactivity in the middle ear in otitis media with effusion. Bernstein JM. **Otolaryngol Clin North Am** 1991 Aug;24(4):845–58 (42 ref.)

MICROBIOLOGY

Viruses in acute otitis media: increasing evidence for clinical significance. Ruuskanen O, et al. **Pediatr Infect Dis J** 1991 Jun;10(6):425–7 (24 ref.)

PATHOLOGY

Update on functional anatomy and pathology of human eustachian tube related to otitis media with effusion. Sando I, et al. **Otolaryngol Clin North Am** 1991 Aug;24(4):795–811 (73 ref.)

THERAPY

Secretory otitis media: a review of management by consultant otolaryngologists. Smith IM, et al. **Clin Otolaryngol** 1991 Jun;16(3):266–70 (38 ref.)
Management of recurrent and persistent otitis media. Gonzalez C. **Ear Nose Throat J** 1991 Jan;70(1):21–4 (27 ref.)
[Secretory otitis media] Sadé J, et al. **Arch Otorhinolaryngol Suppl** 1991;1:57–66 (24 ref.) **(Ger)**

OTOCONIA see **OTOLITHIC MEMBRANE**

OTOLARYNGOLOGY

see related
OTORHINOLARYNGOLOGIC DISEASES

Do otolaryngologist-head and neck surgeons and/or chemotherapy have a role in the treatment of head and neck cancer? Schuller DE. **Arch Otolaryngol Head Neck Surg** 1991 May; 117(5):498–501 (20 ref.)
Education of the deaf: the otolaryngologist's role. Behrens TR, et al. **Otolaryngol Clin North Am** 1971 Jun;4(2):423–30 (6 ref.)
[Otology in diseases of internal medicine interest] Megighian D. **Medicina (Firenze)** 1990 Jul-Sep;10(3):337–42 (72 ref.) (Eng. Abstr.) **(Ita)**

OTOLITHIC MEMBRANE

PHYSIOLOGY

Adaptation to modified otolith input. Young LR. **Rev Oculomot Res** 1985;1:155–62 (0 ref.)

OTOLITHS see **OTOLITHIC MEMBRANE**

OTORHINOLARYNGOLOGIC DISEASES

see related
EAR DISEASES
LARYNGEAL DISEASES
NOSE DISEASES
PHARYNGEAL DISEASES

Recent advances in otolaryngology. Gu ZY. **Chin Med J [Engl]** 1990 Aug;103(8):613–5 (12 ref.)
[Laterality and ORL pathology] Chouard CH. **Ann Otolaryngol Chir Cervicofac** 1991;108(3):169–80 (71 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Otolaryngology problems in the immune compromised patient--an evolving natural history. Corey JP, et al. **Otolaryngol Head Neck Surg** 1991 Feb;104(2):196–203 (31 ref.)

DIAGNOSIS

Serious soft tissue infections of the head and neck. Herr RD, et al. **Am Fam Physician** 1991 Sep;44(3):878–88 (25 ref.)

DRUG THERAPY

[Carbocysteine in catarrhal ORL diseases] Bébéar JP, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(5):499–501 (8 ref.) (Eng. Abstr.) **(Fre)**
[Cefuroxime axetil, a new oral cephalosporin for treating infections of the ORL field: clinical synthesis] Westphal JF. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(5):503–5 (12 ref.) (Eng. Abstr.) **(Fre)**
[Anti-inflammatory drugs in ORL] Felisati D, et al. **Acta Otorhinolaryngol Ital** 1990;10 Suppl 28:23–34 (23 ref.) (Eng. Abstr.) **(Ita)**

EPIDEMIOLOGY

[Incidence and kinds of mycotic infections in the mouth cavity, throat, nasal cavity, maxillary sinus, larynx and ear] Kurnatowski P. **Otolaryngol Pol** 1990;44(1):49–56 (31 ref.) (Eng. Abstr.) **(Pol)**

ETIOLOGY

Otolaryngologic manifestations of gastroesophageal reflux. Gaynor EB. **Am J Gastroenterol** 1991 Jul;86(7):801–8 (69 ref.)
Wegener's granulomatosis: otorhinolaryngological manifestations. Murty GE. **Clin Otolaryngol** 1990 Aug; 15(4):385–93 (104 ref.)
The otolaryngic manifestations of multiple sclerosis. Boucher RM, et al. **Ear Nose Throat J** 1991 Apr;70(4):224–6, 231–3 (30 ref.)
Otorhinolaryngologic manifestations of acquired immunodeficiency syndrome. Sant'Anna GD, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991;112(1):63–6 (19 ref.)
[Castleman's disease. Report of 2 cases with otorhinolaryngologic involvement] Rotenberg M, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(7):490–3 (13 ref.) (Eng. Abstr.) **(Fre)**
[ORL aspect of meningioma of the cerebellopontine angle] Bébéar JP, et al. **Rev Laryngol Otol Rhinol (Bord)** 1989; 110(1):59–61 (12 ref.) (Eng. Abstr.) **(Fre)**
[Differential diagnosis of otorhinolaryngologic pain syndromes] Geyer G. **Laryngorhinootologie** 1990 Sep; 69(9):491–4 (27 ref.) (Eng. Abstr.) **(Ger)**

PARASITOLOGY

[A curiosity in ORL pathology: myiasis of the otorhinolaryngologic cavities] Kadiri F, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991;112(3):219–22 (16 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Difficult diagnoses in pediatric otolaryngic pathology. Heffner DK. **Ear Nose Throat J** 1991 Apr;70(4):234–43 (11 ref.)

RADIONUCLIDE IMAGING

Radionuclide imaging in otolaryngology–head and neck surgery. Noyek AM, et al. **Arch Otolaryngol Head Neck Surg** 1991 Apr;117(4):372–8 (20 ref.)
Nuclear medicine in otolaryngology. Watkinson JC. **Clin Otolaryngol** 1990 Oct;15(5):457–69 (59 ref.)

SURGERY

The role of lasers in otolaryngology. Carruth JA. **Ann Chir Gynaecol** 1990;79(4):216–24 (36 ref.)
[Risks of a cartilage-bone bank with reference to HIV infection] Schadel A, et al. **HNO** 1991 May;39(5):177–81 (45 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

[Treatment of respiratory and ORL diseases with mineral waters in children] Fauquert JL, et al. **Pediatrie** 1990; 45(11):769–74 (34 ref.) (Eng. Abstr.) **(Fre)**

OTORHINOLARYNGOLOGIC NEOPLASMS

[Otorhinolaryngologic aspects of Kaposi's sarcoma in Africa] Debrie JC, et al. **Med Trop (Mars)** 1991 Apr-Jun; 51(2):201–9 (41 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Difficult diagnoses in pediatric otolaryngic pathology. Heffner DK. **Ear Nose Throat J** 1991 Apr;70(4):234–43 (11 ref.)

SURGERY

Psychiatric aspects of head and neck surgery. Part I: New surgical techniques and psychiatric consequences. Bronheim H, et al. **Gen Hosp Psychiatry** 1991 May; 13(3):165–76 (54 ref.)

OTORHINOLARYNGOLOGY see **OTOLARYNGOLOGY**

OTOSCLEROSIS

RADIOGRAPHY

Otosclerosis. Valvassori GE. **Otolaryngol Clin North Am** 1973 Jun;6(2):379–89 (8 ref.)

SURGERY

Lasers for otosclerosis--which one if any and why. Lesinski SG. **Lasers Surg Med** 1990;10(5):448–57 (19 ref.)

OTOSPONGIOSIS see **OTOSCLEROSIS**

OTTERS

PHYSIOLOGY

Cause-effect linkages between chemicals and populations of mink (Mustela vison) and otter (Lutra canadensis) in the Great Lakes basin. Wren CD. **J Toxicol Environ Health** 1991 Aug;33(4):549–85 (104 ref.)

OUABAIN

PHARMACOLOGY

The ouabain-insensitive sodium pump. Proverbio F, et al. **Comp Biochem Physiol A** 1991;99(3):279–83 (52 ref.)

OUTBREAKS see **DISEASE OUTBREAKS**

OUTCOME AND PROCESS ASSESSMENT (HEALTH CARE)

Influence of methods on the evaluation of therapeutic drug-monitoring services. Reents S, et al. **Am J Hosp Pharm** 1991 Jul;48(7):1553–9 (59 ref.)

Conceptualizing and measuring generic health outcomes. Ware JE Jr. **Cancer** 1991 Feb 1;67(3 Suppl):774–9 (22 ref.)

Patient Outcomes Research Teams and the Agency for Health Care Policy and Research. Salive ME, et al. **Health Serv Res** 1990 Dec;25(5):697–708 (42 ref.)

Working group recommendations: research on content and efficacy of geriatric evaluation and management interventions. Jahnigen DW, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):42S–44S (2 ref.)

Impacts of geriatric evaluation and management programs on defined outcomes: overview of the evidence. Rubenstein LZ, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):8S–16S; discussion 17S–18S (65 ref.)

Effect of personality disorders on outcome of treatment. Reich JH, et al. **J Nerv Ment Dis** 1991 Feb;179(2):74–82 (36 ref.)

Assessment of cervical cancer screening and follow-up programs. Celentano DD, et al. **Public Health Rev** 1989–90; 17(2–3):173–240 (115 ref.)

Outcome in vascular surgery. Takolander R. **Qual Assur Health Care** 1990;2(3–4):279–95 (173 ref.)

[Epidural conduction anesthesia versus general anesthesia. A critical evaluation of outcome studies using as examples cesarean section and patients with hip fractures] Adams HA, et al. **Anasth Intensivther Notfallmed** 1990 Dec; 25(6):391–5 (18 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Functional status assessment. Bjelle A. **Curr Opin Rheumatol** 1991 Apr;3(2):280–5 (35 ref.)

An analysis of methodology in follow-up studies of adult inpatient psychiatric treatment. Pfeiffer SI. **Hosp Community Psychiatry** 1990 Dec;41(12):1315–21 (104 ref.)

Measuring the quality of nursing care: a consideration of different approaches. Redfern SJ, et al. **J Adv Nurs** 1990 Nov;15(11):1260–71 (68 ref.)

Working group recommendations: measuring outcomes of care in geriatric evaluation and management units. Hedrick SC, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):48S–52S (30 ref.)

Applying insurance claims data to assess quality of care: a compilation of potential indicators. Weiner JP, et al. **QRB Qual Rev Bull** 1990 Dec;16(12):424–38 (105 ref.)

Outcome measures of obstetrical and perinatal care. Buekens P. **Qual Assur Health Care** 1990;2(3–4):253–62 (54 ref.)

Hospital information systems and quality assurance. Selbmann HK, et al. **Qual Assur Health Care** 1990; 2(3–4):335–44 (12 ref.)

STANDARDS

Can clinical trials in rheumatology be improved? Blair PS, et al. **Curr Opin Rheumatol** 1991 Apr;3(2):272–9 (24 ref.)

STATISTICS & NUMERICAL DATA

Coronary angiography after thrombolytic therapy for acute myocardial infarction. Topol EJ, et al. **Ann Intern Med** 1991 May 15;114(10):877–85 (82 ref.)

Development and validation of a consumer quality assessment instrument for dentistry. Johnson JD, et al. **J Dent Educ** 1990 Nov;54(11):644–52 (55 ref.)

Effect of outcome on physician judgments of appropriateness of care [see comments] Caplan RA, et al. **JAMA** 1991 Apr 17;265(15):1957–60 (21 ref.) Comment in: JAMA 1991 Apr 17;265(15):1995.

TRENDS

Health outcome assessments in medicine: history, applications, and new directions. Kazis LE. **Adv Intern Med** 1991;36:109–30 (92 ref.)

OUTCOME MEASUREMENT ERRORS see **BIAS (EPIDEMIOLOGY)**

OUTER MEMBRANE PROTEINS, BACTERIAL see **BACTERIAL OUTER MEMBRANE PROTEINS**

OUTPATIENT CLINICS see **AMBULATORY CARE FACILITIES**

OUTPATIENT CLINICS, HOSPITAL

see related
AMBULATORY CARE

ORGANIZATION & ADMINISTRATION

Occupational health services in non-industrial settings in the US: a review. Teichman RF, et al. **Public Health Rev** 1989–90;17(1):51–68 (43 ref.)

[Characteristics and improvement of working conditions in medical admission departments (review of the literature)] Borisenko NF, et al. **Gig Sanit** 1990 Dec;(12):38–42 (60 ref.) **(Rus)**

[Organization of psychiatric services for adolescents (review of the literature)] Litvak VIa, et al. **Zh Nevropatol Psikhiatr** 1990;90(10):121–4 (58 ref.) **(Rus)**

OUTPATIENT SURGERY see **AMBULATORY SURGERY**

OVALOCYTOSIS, HEREDITARY see **ELLIPTOCYTOSIS, HEREDITARY**

OVARIAN CYCLE see **MENSTRUAL CYCLE**

OVARIAN CYSTS

CHEMICALLY INDUCED

[The hyperstimulation syndrome] Kleinstein J. **Gynakologe** 1991 Jun;24(3):130–5 (24 ref.) **(Ger)**

CONGENITAL

[Conservative treatment of neonatal ovarian cysts] Matute Cárdenas JA, et al. **An Esp Pediatr** 1990 Dec;33(6):549–53 (26 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Peritoneal endosalpingiosis. Clausen I. **Zentralbl Gynakol** 1991;113(6):329–32 (13 ref.)

[Ovarian cysts in women over 50 years of age. A retrospective study from 1979 to 1989 at Foch Medicosurgical Center] Pinet C, et al. **J Chir (Paris)** 1990 Nov;127(11):528–32 (28 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Laparoscopic oophorectomy/oophorocystectomy. Johns A. **Clin Obstet Gynecol** 1991 Jun;34(2):460–6 (10 ref.)

THERAPY

Ultrasound in the diagnosis and treatment of ovarian cystic tumours. Granberg S, et al. **Hum Reprod** 1991 Feb; 6(2):177–85 (97 ref.)

ULTRASONOGRAPHY

Transabdominal and transvaginal sonography of ovarian masses. Fleischer AC. **Clin Obstet Gynecol** 1991 Jun; 34(2):433–42 (13 ref.)

Ultrasound in the diagnosis and treatment of ovarian cystic tumours. Granberg S, et al. **Hum Reprod** 1991 Feb; 6(2):177–85 (97 ref.)

Management of antenatally diagnosed fetal ovarian cysts. Sakala EP, et al. **Obstet Gynecol Surv** 1991 Jul;46(7):407–14 (43 ref.)

[Ultrasonic follow up of spontaneous regression of neonatal abdominal cystic changes] Kis E, et al. **Orv Hetil** 1990 Dec 16;131(50):2743–5 (15 ref.) (Eng. Abstr.) **(Hun)**

OVARIAN DISEASES

CHEMICALLY INDUCED

Accidental hyperstimulation during ovulation induction. Salat-Baroux J, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):627–37 (44 ref.)

Gonadal toxicity following cancer therapy in adults: significance, diagnosis, prevention and treatment. Kreuser ED, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):169–75 (28 ref.)

COMPLICATIONS

Ovarian necrotizing vasculitis causing major intra-abdominal haemorrhage after IVF. Case report and literature review. Ilbery M, et al. **Br J Obstet Gynaecol** 1991 Jun;98(6):596–9 (17 ref.)

Corpus luteum defects. Shapiro SS, et al. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):159–65 (20 ref.)

DRUG THERAPY

Clinical review 15: Management of ovulatory disorders with pulsatile gonadotropin-releasing hormone. Martin K, et al. **J Clin Endocrinol Metab** 1990 Nov;71(5):1081A–1081G (10 ref.)

PATHOLOGY

Benign pathology of the ovary. O'Connor DM. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):422–9 (16 ref.)

PHYSIOPATHOLOGY

Ovulatory disorders and infertility in women with regular menstrual cycles. Wu CH. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):398–404 (17 ref.)

Hyperandrogenism in peripubertal girls. Rosenfield RL. **Pediatr Clin North Am** 1990 Dec;37(6):1333–58 (75 ref.)

SURGERY

Laparoscopic oophorectomy/oophorocystectomy. Johns A. **Clin Obstet Gynecol** 1991 Jun;34(2):460–6 (10 ref.)

An oncologic view of when to do endoscopic surgery. Schwartz PE. **Clin Obstet Gynecol** 1991 Jun;34(2):467–72 (18 ref.)

ULTRASONOGRAPHY

Transvaginal sonographic characterization of ovarian disease: evaluation of a new scoring system to predict ovarian malignancy. Sassone AM, et al. **Obstet Gynecol** 1991 Jul; 78(1):70–6 (21 ref.)

Imaging of pediatric ovarian masses. Surratt JT, et al. **Radiographics** 1991 Jul;11(4):533–48 (31 ref.)

OVARIAN FUNCTION TESTS

[Female hypogonadism and preventive hormonal substitution] Hempel E. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):159–64 (18 ref.) **(Ger)**

OVARIAN INTERSTITIAL CELLS see **THECA CELLS**

OVARIAN NEOPLASMS

Ovarian malignancy. Niloff JM. **Curr Opin Obstet Gynecol** 1991 Feb;3(1):66–72 (31 ref.)

[Malignant ovarian tumors in pregnancy] Atar E, et al. **Harefuah** 1990 Sep;119(5–6):146–8 (31 ref.) **(Heb)**

[Ovarian cancer] Vinagre M. **Rev Chil Obstet Ginecol** 1990; 55(1):54–61 (00 ref.) **(Spa)**

BLOOD

Tumor markers in ovarian carcinoma. Dudzinski MR. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):52–6 (24 ref.)

CLASSIFICATION

[Androblastoma (a review of the literature and a report of the author's own case)] Angelov Iu. **Akush Ginekol (Sofiia)** 1991;30(2):58–62 (11 ref.) **(Bul)**

COMPLICATIONS

Extraintestinal cancers in Crohn's disease. Nakajima H, et al. **Digestion** 1990;47(1):1–7 (28 ref.)

Benign teratoma of the omentum and ovary coexistent with an ovarian neoplasm. Smith R, et al. **Gynecol Oncol** 1990 Nov;39(2):204–7 (5 ref.)

Management of intestinal obstruction in ovarian cancer. Krebs HB, et al. **Oncology (Williston Park)** 1989 May; 3(5):25–31; discussion 31–2, 35–6 (29 ref.)

[Ollier's disease and juvenile ovarian granulosa tumor] Le Gall C, et al. **Arch Fr Pediatr** 1991 Feb;48(2):115–8 (13 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Early diagnosis of ovarian cancer. Oram DH, et al. **Br J Hosp Med** 1990 Nov;44(5):320, 322, 324 (16 ref.)

Ovarian masses: serologic markers. Schwartz PE. **Clin Obstet Gynecol** 1991 Jun;34(2):423–32 (27 ref.)

Imaging of ovarian masses: magnetic resonance imaging. Scoutt LM, et al. **Clin Obstet Gynecol** 1991 Jun; 34(2):443–51 (20 ref.)

Pure primary osteosarcoma of the ovary presenting as an extensively calcified adnexal mass: a case report and review of the literature. Hines JF, et al. **Gynecol Oncol** 1990 Dec; 39(3):259–63 (19 ref.)

Immunodiagnosis of ovarian tumors. Jacobs I, et al. **Immunol Ser** 1990;53:323–38 (111 ref.)

Prognostic factors in ovarian cancer. Friedlander ML, et al. **Semin Oncol** 1991 Jun;18(3):205–12 (58 ref.)

[Possibilities and limitations of radiology—CT and MRT in cases of tumors of the uterus and ovary] Köster O. **Rontgenblatter** 1990 Oct;43(10):413–9 (52 ref.) (Eng. Abstr.) **(Ger)**

[Primary Burkitt-type undifferentiated lymphoma in the ovary and pregnancy] Benavides Ledezma RR, et al. **Ginecol Obstet Mex** 1988 Nov;56:293–7 (19 ref.) (Eng. Abstr.) **(Spa)**

[A giant Sertoli-Leydig cell tumor. A case report] Plascencia Moncayo N. **Ginecol Obstet Mex** 1987 Apr;55:115–7 (10 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Whole body hyperthermia and intraperitoneal carboplatin in residual ovarian cancer. Cohen JD, et al. **Adv Exp Med Biol** 1990;267:197–202 (35 ref.)

New chemotherapies for ovarian cancer. Systemic and intraperitoneal podophyllotoxins. Muggia FM, et al. **Cancer** 1991 Jan 1;67(1 Suppl):225–30 (36 ref.)

Ovarian cancer: new clinical approaches. Ozols RF. **Cancer Treat Rev** 1991 Mar;18 Suppl A:77–83 (24 ref.)

The role of hexamethylmelamine in the management of ovarian cancer. Schein PS, et al. **Cancer Treat Rev** 1991 Mar;18 Suppl A:67–75 (22 ref.)

Hexamethylmelamine (altretamine): early National Cancer Institute trials. Young RC. **Cancer Treat Rev** 1991 Mar;18 Suppl A:31–5 (5 ref.)

Altretamine. Hansen LA, et al. **DICP** 1991 Feb;25(2):146–52 (51 ref.)

Recurrent ovarian granulosa cell tumor: role of combination chemotherapy with report of a long-term response to a cyclophosphamide, doxorubicin and cisplatin regimen. Muntz HG, et al. **Eur J Gynaecol Oncol** 1990;11(4):263–8 (21 ref.)

Treatment of advanced epithelial ovarian carcinoma in pregnancy with cisplatin-based chemotherapy. King LA, et al. **Gynecol Oncol** 1991 Apr;41(1):78–80 (16 ref.)

LHRH-receptors and LHRH-agonist treatment in ovarian cancer: an overview. Emons G, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1003–6 (37 ref.)
Resistance to alkylating agents and cisplatin: insights from ovarian carcinoma model systems. Perez RP, et al. **Pharmacol Ther** 1990;48(1):19–27 (100 ref.)
Intraperitoneal cisplatin-based chemotherapy for ovarian carcinoma. Howell SB, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):5–10 (35 ref.)
Old drugs revisited, new drugs, and experimental approaches in ovarian cancer therapy. McGuire WP, et al. **Semin Oncol** 1991 Jun;18(3):255–69 (95 ref.)
Intraperitoneal chemotherapy. Markman M. **Semin Oncol** 1991 Jun;18(3):248–54 (43 ref.)
Chemotherapy of ovarian cancer. Ozols RF, et al. **Semin Oncol** 1991 Jun;18(3):222–32 (67 ref.)
[Intraperitoneal treatment of tumors of the ovary] Wendling C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991; 20(2):241–7 (42 ref.) (Eng. Abstr.) **(Fre)**
[Combined chemo- and hormone-therapy in advanced ovarian carcinoma—theoretical, experimental foundations and clinical results] Sevelda P. **Wien Klin Wochenschr Suppl** 1990;183:3–29 (120 ref.) (Eng. Abstr.) **(Ger)**
[Chemotherapy of advanced ovarian cancer] Hirabayashi K. **Gan No Rinsho** 1990 Aug;36(10):1179–85 (16 ref.) (Eng. Abstr.) **(Jpn)**

EMBRYOLOGY

Teratocarcinoma stem cells. Damjanov I. **Cancer Surv** 1990; 9(2):303–19 (84 ref.)

ENZYMOLOGY

[Superoxide dismutases: significances in aging, diabetes, ischemia and cancer] Taniguchi N. **Rinsho Byori** 1990 Aug; 38(8):876–81 (24 ref.) (Eng. Abstr.) **(Jpn)**

EPIDEMIOLOGY

Leiomyoma of the ovary. Vierhout ME, et al. **Acta Obstet Gynecol Scand** 1990;69(5):445–7 (14 ref.)
Ovarian cancer screening. Bourne T, et al. **Eur J Cancer** 1991;27(5):655–9 (40 ref.)
Epidemiologic data on exogenous hormones and hepatocellular carcinoma and selected other cancers. Prentice RL. **Prev Med** 1991 Jan;20(1):38–46 (14 ref.)

ETIOLOGY

Ovarian cancer biology. Perez RP, et al. **Semin Oncol** 1991 Jun;18(3):186–204 (262 ref.)
Epidemiology and etiology of ovarian cancer. Piver MS, et al. **Semin Oncol** 1991 Jun;18(3):177–85 (63 ref.)

GENETICS

Cytogenetics, ploidy and differentiation of human testicular, ovarian and extragonadal germ cell tumours. Oosterhuis JW, et al. **Cancer Surv** 1990;9(2):320–32 (67 ref.)
Associated leukemia and mixed germ cell tumor in a patient with gonadal dysgenesis. Kaplan SS, et al. **Int J Gynaecol Obstet** 1991 May;35(1):83–8 (19 ref.)
HER-2/neu oncogene amplification and expression in breast and ovarian cancers. Press MF, et al. **Prog Clin Biol Res** 1990;354A:209–21 (35 ref.)
[Clinical significance of the determination of cellular DNA content in gynecologic neoplasms] Li ZX. **Chung Hua Fu Chan Ko Tsa Chih** 1991 May;26(3):177–9 (20 ref.) **(Chi)**
[DNA examinations in gynecological cancer and breast cancer] Tropé C, et al. **Tidsskr Nor Laegeforen** 1991 May 20;111(13):1638–42 (32 ref.) (Eng. Abstr.) **(Nor)**

PATHOLOGY

Sex cord tumor with annular tubules associated with endometriosis of the fallopian tube. Griffith LM, et al. **Am J Clin Pathol** 1991 Aug;96(2):259–62 (28 ref.)
Gliomatosis peritonei with malignant transformation: a case report and review of the literature. Shefren G, et al. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 1):1617–20; discussion 1620–1 (10 ref.)
Steroid cell tumor of the ovary in a child. Harris AC, et al. **Arch Pathol Lab Med** 1991 Feb;115(2):150–4 (21 ref.)
Malignant melanoma arising in a dermoid cyst of the ovary. Ueda Y, et al. **Cancer** 1991 Jun 15;67(12):3141–5 (20 ref.)
Pathology of the ovary. McGowan L. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):580–6 (19 ref.)
Benign pathology of the ovary. O'Connor DM. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):422–9 (16 ref.)
Pathology of malignant ovarian tumors. Sprance HE, et al. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):430–6 (12 ref.)
Malignant lymphoma of the ovary: report on two cases and review of the literature. Iaffaioli RV, et al. **Eur J Gynaecol Oncol** 1990;11(3):205–8 (9 ref.)
Low-grade immature teratomas with peritoneal gliomatosis; a case report. Gratama S, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 May 10; 39(3):235–41 (14 ref.)
Metastatic angiosarcoma of the ovary. Patel T, et al. **Eur J Surg Oncol** 1991 Jun;17(3):295–9 (9 ref.)
Ovarian endodermal sinus tumor associated with pregnancy: review of the literature. Farahmand SM, et al. **Gynecol Oncol** 1991 May;41(2):156–60 (12 ref.)
Small cell carcinoma of the ovary. Taraszewski R, et al. **Gynecol Oncol** 1991 May;41(2):149–51 (12 ref.)
Uterus-like mass of the ovary associated with endometrioid carcinoma. Rahilly MA, et al. **Histopathology** 1991 Jun; 18(6):549–51 (7 ref.)
Ovarian surface epithelial-stromal tumors. Bell DA. **Hum Pathol** 1991 Aug;22(8):750–62 (123 ref.)
Ovarian tumors other than those of surface epithelial-stromal type. Young RH. **Hum Pathol** 1991 Aug;22(8):763–75 (90 ref.)
Ovarian myxoma: clinicopathologic and immunocytologic analysis of five cases and a review of the literature. Eichhorn JH, et al. **Int J Gynecol Pathol** 1991;10(2):156–69 (36 ref.)
Lipoleiomyoma of the ovary: report of a case and review of the English literature. Mira JL. **Int J Gynecol Pathol** 1991;10(2):198–202 (17 ref.)
Ovarian tumors in relapsing acute lymphoblastic leukemia: a review of 23 cases. Pais RC, et al. **J Pediatr Surg** 1991 Jan;26(1):70–4 (24 ref.)
Stage I epithelial ovarian tumors of low malignant potential. Sawada M, et al. **Jpn J Clin Oncol** 1991 Feb;21(1):30–4 (20 ref.)
Bilateral stromal Leydig cell tumour of the ovary. Case report and literature review. Böhm J, et al. **Pathol Res Pract** 1991 Mar;187(2–3):348–52; discussion 352–3 (13 ref.)
Ovarian carcinoma metastatic to the breast and axillary node. Duda RB, et al. **Surgery** 1991 Sep;110(3):552–6 (26 ref.)
Peritoneal endosalpingiosis. Clausen I. **Zentralbl Gynakol** 1991;113(6):329–32 (13 ref.)
[Gastric metastases of ovarian adenocarcinoma. Apropos of a case] Majerus B, et al. **Acta Chir Belg** 1990 Jul-Aug; 90(4):166–71 (31 ref.) (Eng. Abstr.) **(Fre)**
[Ovarian cysts in women over 50 years of age. A retrospective study from 1979 to 1989 at Foch Medicosurgical Center] Pinet C, et al. **J Chir (Paris)** 1990 Nov;127(11):528–32 (28 ref.) (Eng. Abstr.) **(Fre)**
[Utero-ovarian mucoid carcinoma, of presumed wolffian duct origin (pure mesonephrotic carcinoma). Apropos of a case and review of the literature] Pons JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1990;19(7):837–43 (32 ref.) (Eng. Abstr.) **(Fre)**
[Serous tumors of the ovary with limited malignancy. Current analysis of a review of the international literature apropos of a case] Lethai N, et al. **Rev Fr Gynecol Obstet** 1990 Jul-Sep;85(7–9):467–72 (21 ref.) (Eng. Abstr.) **(Fre)**
[Surgical removal of diaphragmatic metastasis of advanced ovarian cancer. Review of the literature] Rodier JF, et al. **Rev Fr Gynecol Obstet** 1991 Jan;86(1):39–42 (15 ref.) (Eng. Abstr.) **(Fre)**
[A case of inguinal endometriosis secondary to homolateral ovarian endometriosis] D'Amato T, et al. **Minerva Ginecol** 1990 Jul-Aug;42(7–8):325–8 (18 ref.) (Eng. Abstr.) **(Ita)**
[Degrees of malignancy and biological behavior in gynecologic cancer] Hasumi K. **Gan No Rinsho** 1990 Aug; 36(10):1089–93 (7 ref.) (Eng. Abstr.) **(Jpn)**
[Histological and clinical classification of gynecological tumours] Moriwaki S. **Gan No Rinsho** 1990 Aug; 36(10):1095–105 (12 ref.) (Eng. Abstr.) **(Jpn)**
[A case of melanosis ovarii et peritonei] Kagiya A, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1990 Nov; 42(11):1571–4 (15 ref.) **(Jpn)**

PHYSIOPATHOLOGY

Endocrine factors in common epithelial ovarian cancer. Rao BR, et al. **Endocr Rev** 1991 Feb;12(1):14–26 (179 ref.)

PREVENTION & CONTROL

Reducing cancer risk in women through lifestyle-mediated changes in hormone levels. Pike MC. **Cancer Detect Prev** 1990;14(6):595–607 (42 ref.)
Oral contraceptives and neoplasia of the ovary. Stanford JL. **Contraception** 1991 Jun;43(6):543–56 (36 ref.)

RADIOGRAPHY

Retroconversion of immature teratoma of the ovary: CT appearances. Moskovic E, et al. **Clin Radiol** 1991 Jun; 43(6):402–8 (19 ref.)

RADIOTHERAPY

Role of radiation therapy in ovarian cancer. Moore DH. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):64–8 (15 ref.)
Intraperitoneal radioactive phosphate in early ovarian carcinoma: an analysis of complications. Walton LA, et al. **Int J Radiat Oncol Biol Phys** 1991 May;20(5):939–44 (32 ref.)
Update on the role of radiotherapy in ovarian cancer. Lanciano RM, et al. **Semin Oncol** 1991 Jun;18(3):233–47 (84 ref.)
Curative potential of primary whole-abdomen irradiation in ovarian carcinoma. Randall ME. **South Med J** 1991 Sep; 84(9):1119–22 (26 ref.)

SECONDARY

Ovarian metastases are rare in stage I adenocarcinoma of the cervix. Brown JV, et al. **Obstet Gynecol** 1990 Oct; 76(4):623–6 (26 ref.)

SURGERY

Laparoscopic treatment of ovarian endometriomas. Martin DC. **Clin Obstet Gynecol** 1991 Jun;34(2):452–9 (61 ref.)
An oncologic view of when to do endoscopic surgery. Schwartz PE. **Clin Obstet Gynecol** 1991 Jun;34(2):467–72 (18 ref.)
Fertility-sparing treatment of patients with ovarian cancer. DiSaia PJ. **Compr Ther** 1990 Nov;16(11):35–42 (17 ref.)
Secondary surgery for epithelial ovarian cancer. Ball HG 3d. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):57–63 (20 ref.)
Surgery in the treatment of patients with advanced ovarian cancer. Hoskins WJ, et al. **Semin Oncol** 1991 Jun; 18(3):213–21 (55 ref.)
[Second look operation from the current viewpoint] Janisch H. **Gynakol Rundsch** 1990;30(4):214–20 (10 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Whole body hyperthermia and intraperitoneal carboplatin in residual ovarian cancer. Cohen JD, et al. **Adv Exp Med Biol** 1990;267:197–202 (35 ref.)
Adjuvant treatment of early stage ovarian carcinoma. Gadducci A, et al. **Clin Exp Obstet Gynecol** 1990; 17(3–4):131–9 (38 ref.)
Gestational trophoblastic tumors and malignant ovarian germ cell tumors. Berkowitz RS. **Curr Opin Oncol** 1989 Oct; 1(1):119–22 (15 ref.)
Immunotherapy for ovarian cancer. Bookman MA. **Curr Opin Oncol** 1990 Oct;2(5):893–900 (39 ref.)
Biologic therapy for ovarian cancer. Bookman MA. **Curr Opin Oncol** 1989 Oct;1(1):112–8 (18 ref.)
Management of ovarian neoplasms of low malignant potential. Barnhill DR, et al. **Oncology (Williston Park)** 1991 Apr;5(4):21–6; discussion 26, 28, 31–2 (21 ref.)
The immunobiology and immunotherapy of ovarian cancer. Bookman MA, et al. **Semin Oncol** 1991 Jun;18(3):270–91 (198 ref.)
Treatment of germ cell tumors of the ovary. Williams SD. **Semin Oncol** 1991 Jun;18(3):292–6 (13 ref.)
Ovarian cancer. Ozols RF. **Semin Surg Oncol** 1990; 6(6):328–38 (85 ref.)
[Long-term clinical course after second laparotomy in ovarian cancer] Stöckle E, et al. **Bull Cancer (Paris)** 1990; 77(11):1087–98 (28 ref.) (Eng. Abstr.) **(Fre)**
[Therapeutic concept in ovarian cancer] Rath W, et al. **Med Klin** 1991 May 15;86(5):263–8 (53 ref.) **(Ger)**
[Ovarian carcinoma: current therapeutic aspects. A review] Buser K, et al. **Schweiz Med Wochenschr** 1990 Nov 3; 120(44):1617–32 (136 ref.) (Eng. Abstr.) **(Ger)**
[Current aspects of diagnosis, therapy and follow-up care of ovarian carcinoma] Lotze W. **Z Arztl Fortbild (Jena)** 1991 Mar 25;85(6):242–5 (15 ref.) **(Ger)**
[Treatment and overview for the improvement of prognosis in ovarian cancer] Terashima Y, et al. **Gan No Rinsho** 1990 Aug;36(10):1199–205 (13 ref.) (Eng. Abstr.) **(Jpn)**
[Treatment and follow-up for ovarian cancer] Yakushiji M. **Nippon Sanka Fujinka Gakkai Zasshi** 1990 Aug;42(8):873–8 (11 ref.) (Eng. Abstr.) **(Jpn)**

ULTRASONOGRAPHY

Transabdominal and transvaginal sonography of ovarian masses. Fleischer AC. **Clin Obstet Gynecol** 1991 Jun; 34(2):433–42 (13 ref.)
Transvaginal sonographic characterization of ovarian disease: evaluation of a new scoring system to predict ovarian malignancy. Sassone AM, et al. **Obstet Gynecol** 1991 Jul; 78(1):70–6 (21 ref.)
Imaging of pediatric ovarian masses. Surratt JT, et al. **Radiographics** 1991 Jul;11(4):533–48 (31 ref.)

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the ovary. Maekawa A. **IARC Sci Publ** 1990;(99):473–97 (30 ref.)

OVARIECTOMY

ADVERSE EFFECTS

The effects of oophorectomy on skeletal metabolism. Mazzuoli G, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):457–9 (11 ref.)
Pathophysiology of bone loss in castrated animals. Schot LP, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):461–5 (54 ref.)

METHODS

Laparoscopic oophorectomy/oophorocystectomy. Johns A. **Clin Obstet Gynecol** 1991 Jun;34(2):460–6 (10 ref.)

VETERINARY

Elective gonadectomy in dogs: a review. Salmeri KR, et al. **J Am Vet Med Assoc** 1991 Apr 1;198(7):1183–92 (103 ref.)
The ovarian remnant syndrome in the bitch and queen. Wallace MS. **Vet Clin North Am Small Anim Pract** 1991 May;21(3):501–7 (21 ref.)

OVARY

see related
OVARIECTOMY

The ectopic ovary. A case report and review of the literature. Lachman MF, et al. **Arch Pathol Lab Med** 1991 Mar; 115(3):233–5 (20 ref.)

BLOOD SUPPLY

Ultrasound imaging—2000: assessment of utero-ovarian blood flow with transvaginal color Doppler sonography; potential clinical applications in infertility. Fleischer AC. **Fertil Steril** 1991 Apr;55(4):684–91 (12 ref.)

Postpartum ovarian vein thrombophlebitis: a review. Dunnihoo DR, et al. **Obstet Gynecol Surv** 1991 Jul; 46(7):415–27 (82 ref.)

CHEMISTRY

Novel ovarian regulatory peptides: inhibin, activin, and follistatin. Ling N, et al. **Clin Obstet Gynecol** 1990 Sep; 33(3):690–702 (24 ref.)

MAPs and motors in insect ovaries. Stebbings H, et al. **J Cell Sci Suppl** 1991;14:151–5 (24 ref.)

DRUG EFFECTS

Gonadal toxicity following cancer therapy in adults: significance, diagnosis, prevention and treatment. Kreuser ED, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):169–75 (28 ref.)

[The hyperstimulation syndrome] Kleinstein J. **Gynakologe** 1991 Jun;24(3):130–5 (24 ref.) **(Ger)**

EMBRYOLOGY

Development of the mammalian gonad: the fate of the supporting cell lineage. McLaren A. **Bioessays** 1991 Apr; 13(4):151–6 (34 ref.)

Development and regulation of growth and differentiated function in human and subhuman primate fetal gonads [published erratum appears in Endocr Rev 1991 Feb;12(1):90] Rabinovici J, et al. **Endocr Rev** 1990 Nov; 11(4):532–57 (276 ref.)

Structural proteins in sexual differentiation of embryonic gonads. Fröjdman K, et al. **Int J Dev Biol** 1989 Mar; 33(1):99–103 (26 ref.)

ENZYMOLOGY

Protein kinase C in preovulatory follicles from the hen ovary. Tilly JL, et al. **Domest Anim Endocrinol** 1991 Jan;8(1):1–13 (95 ref.)

Aromatase activity in fetal gonads of mammals. Weniger JP. **J Dev Physiol** 1990 Dec;14(6):303–6 (53 ref.)

GROWTH & DEVELOPMENT

Development of follicles in the mammalian ovary. Hirshfield AN. **Int Rev Cytol** 1991;124:43–101 (344 ref.)

[Regulation of ovarian growth processes in the light of recent studies] Szymczykiewicz P, et al. **Endokrynol Pol** 1989; 40(6):325–36 (80 ref.) **(Pol)**

METABOLISM

Insulin-like growth factor-binding protein-1 (IGFBP-1) in the human ovary. Suikkari AM, et al. **Ann N Y Acad Sci** 1991;626:184–8 (33 ref.)

PATHOLOGY

Ovarian pathology of infertility. Young RH, et al. **Monogr Pathol** 1991;(33):104–39 (118 ref.)

Virilization in a postmenopausal woman due to ovarian stromal hyperthecosis. Goldman JM, et al. **Postgrad Med J** 1991 Mar;67(785):304–6 (8 ref.)

PHYSIOLOGY

Insulin-like growth factor I as an intraovarian regulator: basic and clinical implications. Adashi EY, et al. **Ann N Y Acad Sci** 1991;626:161–8 (31 ref.)

Renin in the female reproductive system. Hsueh WA. **Cardiovasc Drugs Ther** 1988 Nov;2(4):473–7 (45 ref.)

Comparative developmental physiology and molecular cytology of the polytrophic ovarian follicles of the blowfly Sarcophaga bullata and the fruitfly Drosophila melanogaster. De Loof A, et al. **Comp Biochem Physiol [A]** 1990;96(2):309–21 (91 ref.)

The potential relevance of cytokines to ovarian physiology: the emerging role of resident ovarian cells of the white blood cell series. Adashi EY. **Endocr Rev** 1990 Aug; 11(3):454–64 (140 ref.)

Hormones and mammary tumour disease in the female dog: an update. Rutteman GR. **In Vivo** 1990 Jan–Feb;4(1):33–40 (107 ref.)

Evidence that gonadotrophin surge-attenuating factor exists in man. Messinis IE, et al. **J Reprod Fertil** 1991 May; 92(1):217–23 (35 ref.)

The central control of follicular maturation and ovulation in the human. Leyendecker G, et al. **Oxf Rev Reprod Biol** 1990;12:93–146 (256 ref.)

[Ovarian hormones and cutaneous aging] de Lignières B. **Rev Fr Gynecol Obstet** 1991 Jun;86(6):451–4 (8 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

GnRH analogues in ovarian stimulation. Gordon K, et al. **Ann N Y Acad Sci** 1991;626:238–49 (64 ref.)

The ubiquitous polycystic ovary. Franks S. **J Endocrinol** 1991 Jun;129(3):317–9 (34 ref.)

[Pathophysiology of systemic changes in premature menopause] Kolesnikova TN. **Akush Ginekol (Mosk)** 1990 Dec;(12):7–11 (81 ref.) **(Rus)**

RADIOGRAPHY

Diagnostic imaging of the reproductive organs of the bitch. Methods and limitations. Rivers B, et al. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):437–66 (45 ref.)

SECRETION

[Hypergonadotropic amenorrhea] Khdaib F, et al. **Akush Ginekol (Mosk)** 1991 Jan;(1):9–12 (65 ref.) **(Rus)**

SURGERY

Ovarian electrocautery or hormone therapy in the treatment of polycystic ovary syndrome. Vaughan Williams CA. **Clin Endocrinol (Oxf)** 1990 Nov;33(5):569–72 (31 ref.)

OVER-THE-COUNTER DRUGS see **DRUGS, NON-PRESCRIPTION**

OVERDOSE

DRUG THERAPY

Multiple doses of activated charcoal: time for reappraisal? Tenenbein M. **Ann Emerg Med** 1991 May;20(5):529–31 (33 ref.)

Risks and benefits of therapy with flumazenil (Anexate) in mixed drug intoxications. Geller E, et al. **Eur Neurol** 1991; 31(4):241–50 (15 ref.)

The use of vasoactive agents in the treatment of refractory hypotension seen in tricyclic antidepressant overdose. Buchman AL, et al. **J Clin Psychopharmacol** 1990 Dec; 10(6):409–13 (40 ref.)

OVEREATING see **HYPERPHAGIA**

OVERUTILIZATION OF HEALTH SERVICES see **HEALTH SERVICES MISUSE**

OVIDUCTS

METABOLISM

Development of progestin-specific response in the chicken oviduct. Tuohimaa P, et al. **Int J Dev Biol** 1989 Mar; 33(1):125–34 (103 ref.)

PHYSIOLOGY

Prostaglandins, oviducal function, and parturient behavior in nonmammalian vertebrates. Guillette LJ Jr, et al. **Am J Physiol** 1991 May;260(5 Pt 2):R854–61 (72 ref.)

Recent advances in our understanding of tubal function. Sayegh R, et al. **Ann N Y Acad Sci** 1991;626:266–75 (69 ref.)

OVIDUCTS, MAMMALIAN see **FALLOPIAN TUBES**

OVOCYTES see **OOCYTES**

OVOTRANSFERRIN see **CONALBUMIN**

OVULATION

DRUG EFFECTS

[Ovulation inhibition with RU 486] Zalányi S Jr, et al. **Orv Hetil** 1991 Mar 17;132(11):563–7 (32 ref.) (Eng. Abstr.) **(Hun)**

PHYSIOLOGY

The gonadotrophin surge in humans: its mechanism and role in ovulatory function—a review. Goh HH, et al. **Ann Acad Med Singapore** 1990 Jul;19(4):524–9 (24 ref.)

The right weight: body fat, menarche and ovulation. Frisch RE. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):419–39 (86 ref.)

Role of angiotensin II in the processes leading to ovulation. Andrade-Gordon P, et al. **Biochem Pharmacol** 1991 Jul 25;42(4):715–9 (45 ref.)

The energetic regulation of ovulation: a realistic role for body fat. Bronson FH, et al. **Biol Reprod** 1991 Jun;44(6):945–50 (63 ref.)

The central control of follicular maturation and ovulation in the human. Leyendecker G, et al. **Oxf Rev Reprod Biol** 1990;12:93–146 (256 ref.)

[Unruptured luteinized follicle syndrome] Mardesic T. **Zentralbl Gynakol** 1990;112(18):1133–41 (42 ref.) (Eng. Abstr.) **(Ger)**

OVULATION DETECTION

Identifying the fertile phase of the human menstrual cycle. Royston P. **Stat Med** 1991 Feb;10(2):221–40 (19 ref.)

OVULATION INDUCTION

Induction of ovulation for IVF and its effect on the luteal phase. Doyle MB, et al. **Ann N Y Acad Sci** 1991;626:217–27 (37 ref.)

Modern aspects of ovulation induction. Lunenfeld B, et al. **Ann N Y Acad Sci** 1991;626:207–16 (19 ref.)

Common problems in induction of ovulation. Hamilton-Fairley D, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):609–25 (96 ref.)

Controlled ovarian hyperstimulation and intrauterine insemination for treatment of infertility [see comments] Dodson WC, et al. **Fertil Steril** 1991 Mar;55(3):457–67 (76 ref.) Comment in: Fertil Steril 1991 Mar;55(3):478–80.

Early miscarriage and fetal malformations after induction of ovulation (by clomiphene citrate and/or human menotropins), in vitro fertilization, and gamete intrafallopian transfer. Shoham Z, et al. **Fertil Steril** 1991 Jan;55(1):1–11 (88 ref.)

Transvaginal sonography in infertility and assisted reproduction. Blumenfeld Z, et al. **Obstet Gynecol Surv** 1991 Jan;46(1):36–49 (49 ref.)

[The hyperstimulation syndrome] Kleinstein J. **Gynakologe** 1991 Jun;24(3):130–5 (24 ref.) **(Ger)**

ADVERSE EFFECTS

Accidental hyperstimulation during ovulation induction. Salat-Baroux J, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):627–37 (44 ref.)

Heterotopic pregnancy involving the ovary and uterus following ovulation induction: diagnosis and management. Stroumbakis N, et al. **Conn Med** 1991 Apr;55(4):195–9 (25 ref.)

ECONOMICS

Induction of ovulation—cost-effectiveness and future prospects. Baird DT, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):639–50 (54 ref.)

METHODS

Programming ovulation. Frydman R. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):535–40 (20 ref.)

Clomiphene citrate. Glasier AF. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):491–501 (42 ref.)

The use of GnRH agonists with hMG for induction or stimulation of ovulation. Hedon B, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):575–87 (52 ref.)

Induction of ovulation: historical aspects. Lunenfeld B, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):473–89 (81 ref.)

Human gonadotrophins. Nilsson L, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):503–18 (31 ref.)

Induction of ovulation for assisted reproduction programmes. Oehninger S, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):541–73 (90 ref.)

Induction of ovulation with pulsatile GnRH. Shoham Z, et al. **Baillieres Clin Obstet Gynaecol** 1990 Sep;4(3):589–608 (84 ref.)

Induction of multiple follicular development for IVF. Fleming R, et al. **Br Med Bull** 1990 Jul;46(3):596–615 (45 ref.)

Ovulation induction and ovulatory failure. Insler V. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):182–92 (31 ref.)

Ovulation induction with pulsatile gonadotropin-releasing hormone: technical modalities and clinical perspectives. Filicori M, et al. **Fertil Steril** 1991 Jul;56(1):1–13 (75 ref.)

[Contribution of pure FSH in ovulation induction excluding fertilization in vitro] Buvat J, et al. **Rev Fr Gynecol Obstet** 1991 Feb 15;86(2):91–6 (29 ref.) (Eng. Abstr.) **(Fre)**

[The use of LHRH analogs in ovulation induction] Hedon B, et al. **Rev Fr Gynecol Obstet** 1991 Feb 15;86(2):97–9 (22 ref.) (Eng. Abstr.) **(Fre)**

OVUM

see related
GRAAFIAN FOLLICLE

[Chromosome abnormalities of human gametes] Sèle B, et al. **Reprod Nutr Dev** 1990;Suppl 1:75s–82s (15 ref.) (Eng. Abstr.) **(Fre)**

CYTOLOGY

Transformation of the amphibian oocyte into the egg: structural and biochemical events. Bement WM, et al. **J Electron Microsc Tech** 1990 Nov;16(3):202–34 (271 ref.)

GROWTH & DEVELOPMENT

A molecular approach to the problem of positional information in eggs and early embryos. Holliday R. **New Biol** 1989 Dec;1(3):337–43 (40 ref.)

METABOLISM

First messengers at fertilization. Jaffe LA. **J Reprod Fertil Suppl** 1990;42:107–16 (45 ref.)
Cell cycle control proteins are second messenger targets at fertilization in sea–urchin eggs. Whitaker MJ. **J Reprod Fertil Suppl** 1990;42:199–204 (49 ref.)

PHYSIOLOGY

Excitation, activation and sperm entry in voltage–clamped sea–urchin eggs. Chambers EL, et al. **J Reprod Fertil Suppl** 1990;42:117–32 (33 ref.)
Egg signals for triggering the acrosome reaction in starfish spermatozoa. Hoshi M, et al. **J Reprod Fertil Suppl** 1990; 42:23–31 (21 ref.)
Oviduct function in pigs, with particular reference to the pathological condition of polyspermy. Hunter RH. **Mol Reprod Dev** 1991 Aug;29(4):385–91 (57 ref.)
Clinical relevance of evaluation of sperm and ova. Zamboni L. **Monogr Pathol** 1991;(33):10–31 (43 ref.)
The differential roles of parental genomes in mammalian development. Norris ML, et al. **Oxf Rev Reprod Biol** 1990; 12:225–44 (85 ref.)
Cytoskeleton in Xenopus oocytes and eggs. Elinson RP, et al. **Semin Cell Biol** 1990 Oct;1(5):349–57 (96 ref.)

ULTRASTRUCTURE

Fertilization–induced changes in the vitelline envelope of echinoderm and amphibian eggs: self–assembly of an extracellular matrix. Larabell C, et al. **J Electron Microsc Tech** 1991 Mar;17(3):294–318 (112 ref.)
The myoplasm of ascidian eggs: a localized cytoskeletal domain with multiple roles in embryonic development. Jeffery WR, et al. **Semin Cell Biol** 1990 Oct;1(5):373–81 (45 ref.)

OVUM IMPLANTATION

Nidation, tolerance, and immunotrophism. Beaman KD. **Am J Reprod Immunol** 1990 Jun;23(2):54–6 (20 ref.)
Endocrine and immune implications of human endometrial decidualization in implantation. Mori T, et al. **Ann N Y Acad Sci** 1991;626:321–30 (33 ref.)
Implantation failure: clinical aspects. Yovich J, et al. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):211–52 (114 ref.)

IMMUNOLOGY

Macrophages and migratory cells in endometrium relevant to implantation. Lea RG, et al. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):25–59 (181 ref.)

PHYSIOLOGY

In vitro systems for the study of human trophoblast implantation. Coutifaris C, et al. **Ann N Y Acad Sci** 1991; 622:191–201 (18 ref.)
Plasminogen activators in endometrial physiology and embryo implantation: a review. Littlefield BA. **Ann N Y Acad Sci** 1991;622:167–75 (74 ref.)
Preparation of the human endometrium for implantation. Navot D, et al. **Ann N Y Acad Sci** 1991;622:212–9 (21 ref.)
The endocrinology of implantation and early pregnancy. Bonney RC, et al. **Baillieres Clin Endocrinol Metab** 1990 Jun;4(2):207–31 (141 ref.)
Function of blood vessels relative to implantation. Akerlund M. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):15–23 (24 ref.)
Frequency of implantation and early pregnancy loss in natural cycles. Chard T. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):179–89 (55 ref.)
Paracrine regulation of implantation and uterine function. Findlay JK, et al. **Baillieres Clin Obstet Gynaecol** 1991 Mar; 5(1):117–31 (62 ref.)
Role of embryonic factors in implantation: recent developments. Hartshorne GM, et al. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):133–58 (126 ref.)
Endometrial prolactin and implantation. Healy DL. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):95–105 (35 ref.)
Morphological and histochemical factors related to implantation. Johannisson E. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):191–209 (95 ref.)
Ultrastructure in human implantation: transmission and scanning electron microscopy. Lindenberg S. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):1–14 (62 ref.)
Human endometrial protein secretion relative to implantation. Seppälä M, et al. **Baillieres Clin Obstet Gynaecol** 1991 Mar; 5(1):61–72 (76 ref.)
The role of prostaglandins in implantation. Smith SK. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):73–93 (120 ref.)
Assessment of endometrial differentiation and function. Bell SC. **Br Med Bull** 1990 Jul;46(3):720–32 (42 ref.)
Endocrinology in luteal phase and implantation. Smitz J, et al. **Br Med Bull** 1990 Jul;46(3):709–19 (41 ref.)
Exercise and fetal health. Clapp JF 3d. **J Dev Physiol** 1991 Jan;15(1):9–14 (34 ref.)
Glycans as biochemical markers of human endometrial secretory differentiation. Aplin JD. **J Reprod Fertil** 1991 Jul;92(2):525–41 (96 ref.)
Chorionic gonadotrophin and embryo–maternal recognition during the peri–implantation period in primates. Hearn JP, et al. **J Reprod Fertil** 1991 Jul;92(2):497–509 (68 ref.)
Pathobiology of fertilization, embryonic cleavage, and implantation. Damjanov I. **Monogr Pathol** 1991;(33):32–55 (130 ref.)

OVUM PROTEINS see **EGG PROTEINS**

OVUM–SPERM INTERACTIONS see **SPERM–OVUM INTERACTIONS**

OVUM TRANSPORT

PHYSIOLOGY

Pathology of gamete and zygote transport: cervical, endometrial, myometrial, and tubal factors in infertility. Clement PB. **Monogr Pathol** 1991;(33):140–94 (319 ref.)

1–OXACEPHALOSPORIN see **MOXALACTAM**

OXALATES

METABOLISM

The relation of clinical catastrophes, endogenous oxalate production, and urolithiasis. Conyers RA, et al. **Clin Chem** 1990 Oct;36(10):1717–30 (178 ref.)
The hyperoxaluric syndromes. Wandzilak TR, et al. **Endocrinol Metab Clin North Am** 1990 Dec;19(4):851–67 (93 ref.)
[Metabolism and pathophysiology of oxalic acid] Berg W. **Z Urol Nephrol** 1990 Sep;83(9):481–8 (33 ref.) (Eng. Abstr.) **(Ger)**
[Nephropathies associated with disorders of oxalic acid metabolism] Iaroshevskaia OI, et al. **Pediatriia** 1990;(7):92–6 (73 ref.) **(Rus)**
[Oxalic acid metabolic disorder in kidney diseases] Neĭko EM, et al. **Vrach Delo** 1991 May;(5):25–8 (45 ref.) **(Rus)**

OXALURIA see **HYPEROXALURIA**

OXALURIA, PRIMARY see **HYPEROXALURIA, PRIMARY**

OXAZINES

PHARMACOLOGY

Potential antitumor phenoxazines. Motohashi N, et al. **Med Res Rev** 1991 May;11(3):239–94 (35 ref.)

OXIDANTS, PHOTOCHEMICAL

ADVERSE EFFECTS

[Toxicology of ozone and other photo–oxidants] Mücke W. **Ann Ist Super Sanita** 1990;26(2):197–201 (12 ref.) (Eng. Abstr.) **(Ita)**

PHARMACOLOGY

[Oxidation as a step in water processing] Gilbert E. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:73–91 (26 ref.) **(Ger)**

OXIDASES see **OXIDOREDUCTASES**

OXIDATION–REDUCTION

Hypothesis: is lung disease after silicate inhalation caused by oxidant generation? Ghio AJ, et al. **Lancet** 1990 Oct 20;336(8721):967–9 (35 ref.)
[The role of oxidative stress, caused by amiodarone, in the side effects of the drug] Vereckei A, et al. **Orv Hetil** 1991 Mar 3;132(9):483–4, 487–8 (21 ref.) (Eng. Abstr.) **(Hun)**

DRUG EFFECTS

Oxidants and antioxidants in aquatic animals. Winston GW. **Comp Biochem Physiol [C]** 1991;100(1–2):173–6 (34 ref.)

OXIDATIVE PHOSPHORYLATION

see related
UNCOUPLING AGENTS

Myoplasmic phosphate metabolites in the integration of oxidative phosphorylation and contractile function in the myocardium. Kupriyanov VV, et al. **Biomed Sci** 1990 Feb; 1(2):113–21 (38 ref.)
Coenzyme Q can control the efficiency of oxidative phosphorylation. Battino M, et al. **Int J Tissue React** 1990; 12(3):137–44 (38 ref.)

DRUG EFFECTS

Uncouplers of oxidative phosphorylation. Terada H. **Environ Health Perspect** 1990 Jul;87:213–8 (25 ref.)

OXIDES

DIAGNOSTIC USE

Iron oxide–enhanced MR imaging of the liver and spleen: review of the first 5 years. Ferrucci JT, et al. **AJR Am J Roentgenol** 1990 Nov;155(5):943–50 (20 ref.)

OXIDOREDUCTASES

CHEMISTRY

Structure and function of the nickel porphinoid, coenzyme F430 and of its enzyme, methyl coenzyme M reductase. Friedmann HC, et al. **FEMS Microbiol Rev** 1990 Dec; 7(3–4):339–48 (70 ref.)

DEFICIENCY

Multiple defects of the mitochondrial respiratory chain in a mitochondrial encephalopathy (MERRF): a clinical, biochemical and molecular study. Bindoff LA, et al. **J Neurol Sci** 1991 Mar;102(1):17–24 (48 ref.)

GENETICS

The regulation and nature of the cyanide–resistant alternative oxidase of plant mitochondria. Moore AL, et al. **Biochim Biophys Acta** 1991 Aug 23;1059(2):121–40 (182 ref.)

METABOLISM

Physiologic importance of pyrroloquinoline quinone. Smidt CR, et al. **Proc Soc Exp Biol Med** 1991 May;197(1):19–26 (95 ref.)

OXIDOREDUCTASES, N–DEMETHYLATING

GENETICS

Multiple mechanisms in the regulation of ethanol–inducible cytochrome P450IIE1. Koop DR, et al. **Bioessays** 1990 Sep;12(9):429–35 (51 ref.)

METABOLISM

Cytochrome P450IIE1: roles in nitrosamine metabolism and mechanisms of regulation. Yang CS, et al. **Drug Metab Rev** 1990;22(2–3):147–59 (66 ref.)

OXIDOREDUCTASES, NADH, NADPH see **NADH, NADPH OXIDOREDUCTASES**

OXIMES

ADVERSE EFFECTS

Ophthalmic effects of oximes: a review. Ballantyne B. **Vet Hum Toxicol** 1991 Apr;33(2):151–4 (24 ref.)

DIAGNOSTIC USE

Clinical experience with technetium–99m teboroxime, a neutral, lipophilic myocardial perfusion imaging agent. Johnson LL, et al. **Am J Cardiol** 1990 Oct 16; 66(13):63E–67E (13 ref.)
Experimental studies of the physiologic properties of technetium–99m agents: myocardial transport of perfusion imaging agents. Meerdink DJ, et al. **Am J Cardiol** 1990 Oct 16;66(13):9E–15E (27 ref.)
The new 99mTc myocardial perfusion imaging agents: 99mTc–sestamibi and 99mTc–teboroxime. Berman DS, et al. **Circulation** 1991 Sep;84(3 Suppl):I7–21 (73 ref.)

PHARMACOLOGY

Fluoxetine and fluvoxamine. Guimaraes FS. **Br J Hosp Med** 1991 Mar;45(3):146, 149 (6 ref.)

TOXICITY

Toxicology of oximes used in treatment of organophosphate poisoning. Marrs TC. **Adverse Drug React Toxicol Rev** 1991 Spring;10(1):61–73 (59 ref.)

OXIMETRY

Potential errors in pulse oximetry. III: Effects of interferences, dyes, dyshaemoglobins and other pigments. Ralston AC, et al. **Anaesthesia** 1991 Apr;46(4):291–5 (50 ref.)
Pulse oximetry. Uses and abuses. Schnapp LM, et al. **Chest** 1990 Nov;98(5):1244–50 (34 ref.)
Perspectives on the interpretation of continuous mixed venous oxygen saturation. Enger EL, et al. **Heart Lung** 1990 Sep;19(5 Pt 2):578–80 (10 ref.)
Non–invasive monitoring in the pediatric ICU, Part III: Pulse oximeter. Ravindranath T. **Indian J Pediatr** 1990 Mar–Apr; 57(2):179–82 (10 ref.)
[The importance of pulse oximetry for anesthesia] List WF. **Anaesthesiol Reanim** 1991;16(1):5–10 (16 ref.) (Eng. Abstr.) **(Ger)**
[Pulse oximetry in anesthesia] Salvo I, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):283–7 (15 ref.)

(Ita)

STANDARDS

Potential errors in pulse oximetry. I. Pulse oximeter evaluation. Ralston AC, et al. **Anaesthesia** 1991 Mar; 46(3):202–6 (16 ref.)
Potential errors in pulse oximetry. II. Effects of changes in saturation and signal quality. Webb RK, et al. **Anaesthesia** 1991 Mar;46(3):207–12 (43 ref.)

TRENDS

[The outlook for the use of pulse oximetry in anesthesiology and resuscitation] Buniatian AA, et al. **Anesteziol Reanimatol** 1991 Jan–Feb;(1):3–7 (56 ref.) (Rus)

OXIMETRY, TRANSCUTANEOUS see **BLOOD GAS MONITORING, TRANSCUTANEOUS**

OXOPROPANAL see **PYRUVALDEHYDE**

OXOQUINOLINES see **QUINOLINONES**

OXYCEPHALY see **CRANIOSYNOSTOSES**

OXYCHLOROCHIN see **HYDROXYCHLOROQUINE**

OXYCHLOROQUINE see **HYDROXYCHLOROQUINE**

OXYGEN

DNA damage by oxygen–derived species. Its mechanism and measurement in mammalian systems. Halliwell B, et al. **FEBS Lett** 1991 Apr 9;281(1–2):9–19 (203 ref.)
Repair of DNA damage induced by reactive oxygen species. Breimer LH. **Free Radic Res Commun** 1991;14(3):159–71 (112 ref.)

ADMINISTRATION & DOSAGE

Liposome–encapsulated hemoglobin: an oxygen–carrying fluid. Rabinovici R, et al. **Circ Shock** 1990 Sep;32(1):1–17 (68 ref.)
[Artificial circulation with auto–oxygenation] Lokshin LS, et al. **Anesteziol Reanimatol** 1990 Sep–Oct;(5):78–80 (26 ref.) (Rus)

ADVERSE EFFECTS

Edward B.D. Neuhauser memorial lecture. Bronchopulmonary dysplasia and research in diagnostic radiology. Northway WH Jr. **AJR Am J Roentgenol** 1991 Apr;156(4):681–7 (35 ref.)
Scientific basis for medical therapy of cataracts by antioxidants. Varma SD. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):335S–345S (39 ref.)
Pharmacologic approach to tissue injury mediated by free radicals and other reactive oxygen metabolites. Reilly PM, et al. **Am J Surg** 1991 Apr;161(4):488–503 (101 ref.)
Oxygen and light as risk factors in senile cataract development: experimental studies. Varma SD, et al. **Dev Ophthalmol** 1991;21:162–9 (19 ref.)
The role of hyperoxia in the aetiology of retinopathy of prematurity. Garner A. **Doc Ophthalmol** 1990 Mar; 74(3):187–93 (20 ref.)
Oxygen–induced retinopathy in the rat model. Ricci B. **Doc Ophthalmol** 1990 Mar;74(3):171–7 (21 ref.)
Oxidant stress and adult respiratory distress syndrome. Brigham KL. **Eur Respir J Suppl** 1990 Oct;11:482s–484s (17 ref.)
Protein, lipid and DNA repair systems in oxidative stress: the free–radical theory of aging revisited. Pacifici RE, et al. **Gerontology** 1991;37(1–3):166–80 (84 ref.)
[Pathogenesis of damaging effects of hyperoxia during early ontogenesis] Garmasheva NL, et al. **Akush Ginekol (Mosk)** 1990 Jul;(7):6–9 (41 ref.) (Rus)
[The role of toxic forms of oxygen in the development of complications during operations using extracorporeal circulation] Petukhov EB, et al. **Grud Serdechnososudistaia Khir** 1991 Jan;(1):44–6 (84 ref.) (Rus)

ANALYSIS

Oxygen in mammalian tissue: methods of measurement and affinities of various reactions. Vanderkooi JM, et al. **Am J Physiol** 1991 Jun;260(6 Pt 1):C1131–50 (184 ref.)

BLOOD

Pulmonary circulation and systemic circulation: similar problems, different solutions. Farhi LE, et al. **Adv Exp Med Biol** 1990;277:579–86 (7 ref.)
The generation of reactive oxygen–derived species by phagocytes. Bergstrand H. **Agents Actions Suppl** 1990; 30:199–211 (41 ref.)
Oxygen supply and utilization relationships. A reevaluation. Dantzker DR, et al. **Am Rev Respir Dis** 1991 Mar; 143(3):675–9 (33 ref.)
Assessment of oxygenation in the critically ill. Clapham MC. **Ann Clin Biochem** 1991 Jan;28 (Pt 1):27–33 (19 ref.)
The asthma clinical score and oxygen saturation. Dawson KP. **Aust Clin Rev** 1991;11(1–2):20–1 (7 ref.)
Oxygen delivery in the critically ill. Vincent JL. **Can J Anaesth** 1991 May;38(4 Pt 2):R39–47 (26 ref.) (Eng, Fre)
Experimental models of pathologic oxygen supply dependency. Cain SM, et al. **Crit Care Med** 1991 May; 19(5):603–12 (47 ref.)
Oxygen transport in cardiogenic and septic shock. Edwards JD. **Crit Care Med** 1991 May;19(5):658–63 (31 ref.)
Oxygen transport in adult respiratory distress syndrome and other acute circulatory problems: relationship of oxygen delivery and oxygen consumption. Weg JG. **Crit Care Med** 1991 May;19(5):650–7 (54 ref.)
Non–invasive monitoring in the pediatric ICU, Part I: Transcutaneous oxygen monitoring (PtcO2). Ravindranath T. **Indian J Pediatr** 1990 Mar–Apr;57(2):169–73 (16 ref.)
Hemodynamic aspects of multiple organ failure. Grootendorst AF. **Intensive Care Med** 1990;16 Suppl 2:S165–7 (15 ref.)
Practical points in the application of oxygen transport principles. Nightingale P. **Intensive Care Med** 1990;16 Suppl 2:S173–7 (50 ref.)
Regulation of myocardial oxygen delivery. Schremmer B, et al. **Intensive Care Med** 1990;16 Suppl 2:S157–63 (40 ref.)
Measurement of tissue perfusion by oxygen transport patterns in experimental shock and in high–risk surgical patients. Shoemaker WC, et al. **Intensive Care Med** 1990;16 Suppl 2:S135–44 (35 ref.)
The relationship between oxygen demand, oxygen uptake, and oxygen supply. Vincent JL. **Intensive Care Med** 1990; 16 Suppl 2:S145–8 (19 ref.)
Assessment of oxygenation: today and tomorrow. Shapiro BA. **Scand J Clin Lab Invest Suppl** 1990;203:197–202 (25 ref.)
The oxygen status of the arterial blood revised: relevant oxygen parameters for monitoring the arterial oxygen availability. Siggaard–Andersen O, et al. **Scand J Clin Lab Invest Suppl** 1990;203:17–28 (17 ref.)
Mixed venous oxygen saturation in the newborn. Can we and should we measure it? Whyte RK. **Scand J Clin Lab Invest Suppl** 1990;203:203–11 (48 ref.)
Alternatives to Swan–Ganz cardiac output monitoring. Moore FA, et al. **Surg Clin North Am** 1991 Aug; 71(4):699–721 (91 ref.)
Use of inotropic agents in critical illness. Stanford GG. **Surg Clin North Am** 1991 Aug;71(4):683–98 (38 ref.)
[Transcutaneous PCO2 determination in neonatology] Schultz MJ, et al. **Tijdschr Kindergeneeskd** 1991 Apr; 59(2):44–50 (18 ref.) (Eng. Abstr.) (Dut)
[The meaningfulness of central venous blood samples. Central venous versus mixed venous O2 status] Brandt L, et al. **Anaesthesist** 1991 Mar;40(3):131–44 (51 ref.) (Eng. Abstr.) (Ger)
[Continuous monitoring of mixed venous oxygen saturation: physiology, clinical utility, indications] Putterman C. **Harefuah** 1990 Aug;119(3–4):95–9 (36 ref.) (Heb)

CHEMISTRY

Air pollution: involvement of oxygen radicals (a mini review). Elstner EF, et al. **Free Radic Res Commun** 1991; 12–13 Pt 2:795–807 (41 ref.)
Therapeutic usages of oxygen radical scavengers in human diseases: myths and realities. Greenwald RA. **Free Radic Res Commun** 1991;12–13 Pt 2:531–8 (42 ref.)
Transition metal ions and oxygen radicals. Goldstein S, et al. **Int Rev Exp Pathol** 1990;31:133–64 (150 ref.)
The chemistry of dioxygen species (O2, O2–., HOO., and HOOH) and their activation by transition metals. Sawyer DT. **Int Rev Exp Pathol** 1990;31:109–31 (54 ref.)

METABOLISM

Oxygen detoxifying enzymes in parasites: a review. Leid RW, et al. **Acta Leiden** 1989;57(2):107–14 (46 ref.)
Iron and oxygen: a biologically damaging mixture. Gutteridge JM. **Acta Paediatr Scand Suppl** 1989;361:78–85 (55 ref.)
Lipofuscin as an indicator of oxidative stress and aging. Sohal RS, et al. **Adv Exp Med Biol** 1989;266:17–26; discussion 27–9 (24 ref.)
Mechanisms of oxidant–induced changes in erythrocytes. Hatherill JR, et al. **Agents Actions** 1991 Mar;32(3–4):351–8 (75 ref.)
Antioxidants and aging. Cutler RG. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):373S–379S (27 ref.)
Antioxidant defense systems: the role of carotenoids, tocopherols, and thiols. Di Mascio P, et al. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):194S–200S (52 ref.)
Role of oxygen free radicals in ischemic and reperfused myocardium. Ferrari R, et al. **Am J Clin Nutr** 1991 Jan; 53(1 Suppl):215S–222S (121 ref.)
Oxidant–induced cytotoxicity: a challenge for metabolic modulation [comment] Berger NA. **Am J Respir Cell Mol Biol** 1991 Jan;4(1):1–3 (13 ref.) Comment on: Am J Respir Cell Mol Biol 1991 Jan;4(1):4–10.
Human longevity and aging: possible role of reactive oxygen species. Cutler RG. **Ann N Y Acad Sci** 1991;621:1–28 (42 ref.)
Biochemical aspects of cellular oxidative stress. Videla LA, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):85–92 (34 ref.)
Oxygen–derived free radicals. Hinder RA, et al. **Arch Surg** 1991 Jan;126(1):104–5 (36 ref.)
Carotenoids, tocopherols and thiols as biological singlet molecular oxygen quenchers. Di Mascio P, et al. **Biochem Soc Trans** 1990 Dec;18(6):1054–6 (15 ref.)
Free radicals, myocytes and reperfusion injury. Turner JJ, et al. **Biochem Soc Trans** 1990 Dec;18(6):1056–9 (41 ref.)
Autoxidation of oxymyoglobin: a meeting point of the stabilization and the activation of molecular oxygen. Shikama K. **Biol Rev Camb Philos Soc** 1990 Nov; 65(4):517–27 (32 ref.)
Hydroxyl radical and singlet oxygen production and DNA damage induced by carcinogenic metal compounds and hydrogen peroxide. Kawanishi S, et al. **Biol Trace Elem Res** 1989 Jul–Sep;21:367–72 (16 ref.)
The role of free radicals in ischaemic myocardium. Ferrari R. **Br J Clin Pract** 1990 Aug;44(8):301–5 (59 ref.)
Tissue injury by free radicals and other toxic oxygen metabolites. Reilly PM, et al. **Br J Surg** 1990 Dec; 77(12):1323–4 (8 ref.)
Inflammation and oxidative stress in carcinogenesis. Cerutti PA, et al. **Cancer Cells** 1991 Jan;3(1):1–7 (76 ref.)
Oxygen–derived free radicals and myocardial reperfusion injury: an overview. Bolli R. **Cardiovasc Drugs Ther** 1991 Mar;5 Suppl 2:249–68 (157 ref.)
The occurrence of oxidative stress during reperfusion in experimental animals and men. Ferrari R, et al. **Cardiovasc Drugs Ther** 1991 Mar;5 Suppl 2:277–87 (71 ref.)
Oxygen radicals in intestinal ischemia and reperfusion. Schoenberg MH, et al. **Chem Biol Interact** 1990; 76(2):141–61 (102 ref.)
Role of uric acid as an endogenous radical scavenger and antioxidant. Becker BF, et al. **Chest** 1991 Sep;100(3 Suppl):176S–181S (28 ref.)
Therapeutic application of oxygen radical scavengers. Zimmerman JJ. **Chest** 1991 Sep;100(3 Suppl):189S–192S (49 ref.)
Oxidant stress and carcinogenesis. Cerutti PA. **Eur J Clin Invest** 1991 Feb;21(1):1–5 (26 ref.)
Oxidative stress as a causal factor in differentiation and aging: a unifying hypothesis. Sohal RS, et al. **Exp Gerontol** 1990; 25(6):499–522 (182 ref.)
A new cellular function for peroxisomes related to oxygen free radicals? del Río LA, et al. **Experientia** 1990 Oct 15; 46(10):989–92 (41 ref.)
Defining the resistance to oxygen transfer in tissue hypoxia. Jones DP, et al. **Experientia** 1990 Dec 1;46(11–12):1180–5 (27 ref.)
Adenosine is a sensitive oxygen sensor in the heart. Schrader J, et al. **Experientia** 1990 Dec 1;46(11–12):1172–5 (16 ref.)
Contribution of diffusion to the oxygen dependence of energy metabolism in cells. Wilson DF. **Experientia** 1990 Dec 1; 46(11–12):1160–2 (17 ref.)
Oxygen free radicals and Parkinson's disease. Adams JD Jr, et al. **Free Radic Biol Med** 1991;10(2):161–9 (93 ref.)
Multiple actions of superoxide dismutase: why can it both inhibit and stimulate reduction of oxygen by hydroquinones? Bandy B, et al. **Free Radic Biol Med** 1990; 9(2):143–8 (19 ref.)
Noninvasive measures of oxidative stress status in humans. Pryor WA, et al. **Free Radic Biol Med** 1991;10(3–4):177–84 (219 ref.)
Correlations and apparent contradictions in assessment of oxidant stress status in vivo. Smith CV. **Free Radic Biol Med** 1991;10(3–4):217–24 (61 ref.)
Metal ion–catalyzed oxidation of proteins: biochemical mechanism and biological consequences [published erratum appears in Free Radic Biol Med 1991;10(3–4):249] Stadtman ER. **Free Radic Biol Med** 1990;9(4):315–25 (113 ref.)
Oxidative stress induced by 2,3,7,8–tetrachlorodibenzo–p–dioxin (TCDD). Stohs SJ. **Free Radic Biol Med** 1990;9(1):79–90 (130 ref.)
An overview of the relationship between oxidative stress and chemical carcinogenesis. Trush MA, et al. **Free Radic Biol Med** 1991;10(3–4):201–9 (87 ref.)
Nutritional effect and expression of SODs: induction and gene expression; diagnostics; prospective protection against oxygen toxicity. del Río LA, et al. **Free Radic Res Commun** 1991;12–13 Pt 2:819–27 (49 ref.)
Chloroplast and mitochondrial mechanisms for protection against oxygen toxicity. Salin ML. **Free Radic Res Commun** 1991;12–13 Pt 2:851–8 (28 ref.)
Prevention of cancer by agents that suppress oxygen radical formation. Troll W. **Free Radic Res Commun** 1991;12–13 Pt 2:751–7 (45 ref.)
The measurement of oxygen–derived free radicals and related substances in medicine. Weber GF. **J Clin Chem Clin Biochem** 1990 Sep;28(9):569–603 (380 ref.)
Clinical relevance of oxidative stress with special reference to organ microcirculatory disturbances. Suematsu M, et al. **Jpn J Med** 1990 Nov–Dec;29(6):674–7 (11 ref.)
Possible involvement of free radical formation in post–ischemic neuronal damage. Yamasaki Y, et al. **Jpn J Med** 1990 Nov–Dec;29(6):677–9 (2 ref.)
The role of reactive oxygen metabolites in the pathogenesis of ulcerative colitis: a speculative synthesis. Rózga J. **Mater Med Pol** 1989 Oct–Dec;21(4):263–8 (96 ref.)
Modern oxygen carriers: state of art 1990. Rudowski W. **Mater Med Pol** 1990 Jan–Mar;22(1):3–7 (55 ref.)
Avoidance, and inactivation of reactive oxygen species: novel microbial immune evasion strategies. Eze MO. **Med Hypotheses** 1991 Mar;34(3):252–5 (26 ref.)
Oxygen radical production by transformed B lymphocytes. Jones OT, et al. **Mol Aspects Med** 1991;12(2):87–92 (26

ref.)
PAF, cytokines, toxic oxygen products and cell injury. Ward PA, et al. **Mol Aspects Med** 1991;12(2):169–74 (21 ref.)
Oxidation reactions in Parkinson's disease. Olanow CW. **Neurology** 1990 Oct;40(10 Suppl 3):suppl 32–7; discussion 37–9 (59 ref.)
Oxygen radicals: common mediators of neurotoxicity. LeBel CP, et al. **Neurotoxicol Teratol** 1991 May–Jun;13(3):341–6 (68 ref.)
Antioxidants and prooxidants in malnourished populations. Thurnham DI. **Proc Nutr Soc** 1990 Jul;49(2):247–59 (58 ref.)
Oxygen–reactive species and antioxidant responses during development: the metabolic paradox of cellular differentiation. Allen RG. **Proc Soc Exp Biol Med** 1991 Feb;196(2):117–29 (134 ref.)
Role of oxygen radicals in stroke: effects of the 21–aminosteroids (lazaroids). A novel class of antioxidants. Hall ED, et al. **Prog Clin Biol Res** 1990;361:351–62 (22 ref.)
Oxygen radicals, inflammation, and arthritis: pathophysiological considerations and implications for treatment. Greenwald RA. **Semin Arthritis Rheum** 1991 Feb;20(4):219–40 (173 ref.)
Biochemical mechanisms for oxygen free radical formation during exercise. Sjödin B, et al. **Sports Med** 1990 Oct; 10(4):236–54 (148 ref.)
Oxygen free radicals and corneal endothelium. Hull DS. **Trans Am Ophthalmol Soc** 1990;88:463–511 (90 ref.)
Role of oxygen free radicals in retinal damage associated with experimental uveitis. Rao NA. **Trans Am Ophthalmol Soc** 1990;88:797–850 (123 ref.)
Synthetic oxygen transport fluids based on perfluorochemicals: applications in medicine and biology. Lowe KC. **Vox Sang** 1991;60(3):129–40 (110 ref.)
[Oxygen free radicals and ischemia–reperfusion injury of flaps] Feng F, et al. **Chung Hua Cheng Hsing Shao Shang Wai Ko Tsa Chih** 1990 Dec;6(4):299–301 (23 ref.) **(Chi)**
[Hierarchies in the structure and function of oxygen–binding proteins] Decker H, et al. **Naturwissenschaften** 1990 Dec; 77(12):561–8 (33 ref.) (Eng. Abstr.) **(Ger)**
[The role of active forms of oxygen in cell differentiation, neoplasm promotion and aging] Sikora E. **Postepy Biochem** 1989;35(4):563–74 (83 ref.) **(Pol)**
[Allosteric regulators of reversible oxygenation of hemoglobin] Chuvilin AN, et al. **Bioorg Khim** 1990 Sep; 16(9):1157–76 (174 ref.) (Eng. Abstr.) **(Rus)**
[Reactive oxygen metabolites, antioxidant activity, antioxidants and aging] Macejka J, et al. **Vnitr Lek** 1990 Sep;36(9):903–10 (29 ref.) (Eng. Abstr.) **(Slo)**
[Cardiac diseases related to free radicals and active oxygen species. Pro–oxidation and anti–oxidation in cardiology (part 2)] Romero Alvira D, et al. **An Med Interna** 1991 Jun;8(6):300–9 (124 ref.) (Eng. Abstr.) **(Spa)**
[Oxygen free radicals and organ transplants] Colomer J, et al. **Rev Quir Esp** 1988 Nov–Dec;15(6):305–12 (34 ref.) (Eng. Abstr.) **(Spa)**

PHARMACOLOGY

Biological significance of active oxygen species: in vitro studies on singlet oxygen–induced DNA damage and on the singlet oxygen quenching ability of carotenoids, tocopherols and thiols. Di Mascio P, et al. **Adv Exp Med Biol** 1991;283:71–7 (37 ref.)
Interactions of oxidant stress and vascular reactivity. Gurtner GH, et al. **Am J Physiol** 1991 Apr;260(4 Pt 1):L207–11 (50 ref.)
Reactive oxygen species and airway inflammation. Barnes PJ. **Free Radic Biol Med** 1990;9(3):235–43 (80 ref.)
Oxygen radicals in lung pathology. Doelman CJ, et al. **Free Radic Biol Med** 1990;9(5):381–400 (218 ref.)
Free radicals: biology and relevance to disease. Das UN. **J Assoc Physicians India** 1990 Jul;38(7):495–8 (33 ref.)
Reactive oxygen species damage to DNA and its role in systemic lupus erythematosus. Blount S, et al. **Mol Aspects Med** 1991;12(2):93–105 (44 ref.)
Mechanisms of oxidant injury of cells. Cochrane CG. **Mol Aspects Med** 1991;12(2):137–47 (27 ref.)
Effects of reactive oxygen species on immunoglobulin G function. Griffiths HR, et al. **Mol Aspects Med** 1991; 12(2):107–19 (31 ref.)

PHYSIOLOGY

Oxidative injury and the heat shock response. Donati YR, et al. **Biochem Pharmacol** 1990 Dec 15;40(12):2571–7 (58 ref.)
Oncogenes, oncogenesis, and oxygen radicals. Sahu SC. **Biomed Environ Sci** 1990 Jun;3(2):183–201 (157 ref.)
Oxygen transport and utilization in ARDS. Dantzker DR. **Eur Respir J Suppl** 1990 Oct;11:485s–489s (37 ref.)
Endothelial cells as part of a vascular oxygen–sensing system: hypoxia–induced release of autacoids. Pohl U. **Experientia** 1990 Dec 1;46(11–12):1175–9 (45 ref.)
FNR and its role in oxygen–regulated gene expression in Escherichia coli. Spiro S, et al. **FEMS Microbiol Rev** 1990 Aug;6(4):399–428 (184 ref.)
[Activated forms of O2 and their role in pathological conditions] Riabov GA, et al. **Anesteziol Reanimatol** 1991 Jan–Feb;(1):63–9 (64 ref.) **(Rus)**

THERAPEUTIC USE

Radiosensitization with normobaric oxygen and carbogen. Rojas A. **Radiother Oncol** 1991;20 Suppl 1:65–70 (41 ref.)

TOXICITY

Oxygen toxicity in the neonatal period. Saugstad OD. **Acta Paediatr Scand** 1990 Oct;79(10):881–92 (83 ref.)
Oxygen toxicity: role of hydrogen peroxide and iron. van Asbeck BS. **Adv Exp Med Biol** 1990;264:235–46 (69 ref.)
Genetic analysis of oxygen defense mechanisms in Drosophila melanogaster. Phillips JP, et al. **Adv Genet** 1990;28:43–71 (125 ref.)
Reactive oxygen and ischemia/reperfusion injury of the liver. Jaeschke H. **Chem Biol Interact** 1991;79(2):115–36 (138 ref.)
Oxygen radicals: their role in selected gastrointestinal disorders. Otamiri T, et al. **Dig Dis** 1991;9(3):133–41 (45 ref.)
Effects of oxygen and ozone on mouse lung tumorigenesis. Witschi H. **Exp Lung Res** 1991 Mar–Apr;17(2):473–83 (51 ref.)
Molecular mechanisms of oxygen radical carcinogenesis and mutagenesis: the role of DNA base damage. Breimer LH. **Mol Carcinog** 1990;3(4):188–97 (120 ref.)

OXYGEN CONSUMPTION

Blood flow, oxygen consumption and tissue oxygenation of human tumors. Vaupel P, et al. **Adv Exp Med Biol** 1990; 277:895–905 (13 ref.)
Experimental support for the theory of diffusion limitation of maximum oxygen uptake. Wagner PD, et al. **Adv Exp Med Biol** 1990;277:825–33 (15 ref.)
Oxygen in mammalian tissue: methods of measurement and affinities of various reactions. Vanderkooi JM, et al. **Am J Physiol** 1991 Jun;260(6 Pt 1):C1131–50 (184 ref.)
Oxygen supply and utilization relationships. A reevaluation. Dantzker DR, et al. **Am Rev Respir Dis** 1991 Mar; 143(3):675–9 (33 ref.)
Human longevity and aging: possible role of reactive oxygen species. Cutler RG. **Ann N Y Acad Sci** 1991;621:1–28 (42 ref.)
Exercise training programs and cardiorespiratory adaptation. Cox MH. **Clin Sports Med** 1991 Jan;10(1):19–32 (22 ref.)
Experimental models of pathologic oxygen supply dependency. Cain SM, et al. **Crit Care Med** 1991 May; 19(5):603–12 (47 ref.)
Oxygen consumption in sepsis and septic shock. Tuchschmidt J, et al. **Crit Care Med** 1991 May;19(5):664–71 (71 ref.)
Oxygen transport in adult respiratory distress syndrome and other acute circulatory problems: relationship of oxygen delivery and oxygen consumption. Weg JG. **Crit Care Med** 1991 May;19(5):650–7 (54 ref.)
Body fat and the metabolic control of food intake. Friedman MI. **Int J Obes** 1990;14 Suppl 3:53–66; discussion 66–7 (54 ref.)
Hemodynamic aspects of multiple organ failure. Grootendorst AF. **Intensive Care Med** 1990;16 Suppl 2:S165–7 (15 ref.)
Practical points in the application of oxygen transport principles. Nightingale P. **Intensive Care Med** 1990;16 Suppl 2:S173–7 (50 ref.)
Measurement of tissue perfusion by oxygen transport patterns in experimental shock and in high–risk surgical patients. Shoemaker WC, et al. **Intensive Care Med** 1990;16 Suppl 2:S135–44 (35 ref.)
The relationship between oxygen demand, oxygen uptake, and oxygen supply. Vincent JL. **Intensive Care Med** 1990; 16 Suppl 2:S145–8 (19 ref.)
Reactive oxygen and glomerular dysfunction. Iwasaki K. **Xenobiotica** 1990 Sep;20(9):909–14 (7 ref.)
[Fetal hypoxia: hormonal and cardiovascular response] Parer J. **Rev Chil Obstet Ginecol** 1988;53(5):310–3 (0 ref.) **(Spa)**

DRUG EFFECTS

The effect of carbon monoxide on respiration. Haab P. **Experientia** 1990 Dec 1;46(11–12):1202–6 (32 ref.)

GENETICS

PET genes of Saccharomyces cerevisiae. Tzagoloff A, et al. **Microbiol Rev** 1990 Sep;54(3):211–25 (206 ref.)

PHYSIOLOGY

Silent ischemia during mental stress: scintigraphic evidence and electrocardiographic patterns. Tavazzi L, et al. **Adv Cardiol** 1990;37:53–66 (29 ref.)
Oxygen supply and consumption in the adult respiratory distress syndrome. Schumacker PT, et al. **Clin Chest Med** 1990 Dec;11(4):715–22 (50 ref.)
Oxygen transport and utilization in ARDS. Dantzker DR. **Eur Respir J Suppl** 1990 Oct;11:485s–489s (37 ref.)
Treatment strategies in shock: use of oxygen transport measurements. Barone JE, et al. **Heart Lung** 1991 Jan; 20(1):81–5 (26 ref.)
New noninvasive techniques for assessing brain oxygenation and hemodynamics. Reynolds EO. **Int J Technol Assess Health Care** 1991;7 Suppl 1:125–7 (22 ref.)
Could manipulation of the binding affinity of haemoglobin for oxygen be used clinically to sensitize tumours to radiation? Hirst DG, et al. **Radiother Oncol** 1991;20 Suppl 1:53–7 (21 ref.)
Comparative aspects of maximal oxygen consumption. Dejours P. **Respir Physiol** 1990 May–Jun;80(2–3):155–62 (22 ref.)
Factors limiting maximal oxygen consumption in humans. di Prampero PE, et al. **Respir Physiol** 1990 May–Jun; 80(2–3):113–27 (30 ref.)
The different relationship of VO2max to muscle mitochondria in humans and quadrupedal animals. Hoppeler H. **Respir Physiol** 1990 May–Jun;80(2–3):137–45 (28 ref.)
Central and peripheral aspects of oxygen transport and adaptations with exercise. Wagner PD. **Sports Med** 1991 Mar;11(3):133–42 (48 ref.)
[Reperfusion injury in the myocardium––significance of the oxygen–derived free radicals] Svendsen JH, et al. **Ugeskr Laeger** 1991 Jun 10;153(24):1717–20 (30 ref.) (Eng. Abstr.) **(Dan)**
[The clinical assessment of tissue oxygenation. The significance of hemodynamic and oxygen transport–related parameters] Reinhart K, et al. **Anaesthesiol Reanim** 1991; 16(3):184–201 (52 ref.) (Eng. Abstr.) **(Ger)**
[The current status of experimental heart infarct research] Schaper W. **Z Kardiol** 1990 Dec;79(12):811–8 (34 ref.) **(Ger)**
[Maximal oxygen consumption and various physiological and somatic characteristics of students of the Białystok Medical Academy 1976–1977 and 1980–1986] Kiczka K, et al. **Rocz Akad Med Bialymst** 1988–89;33–34:177–207 (84 ref.) (Eng. Abstr.) **(Pol)**

OXYGEN DEFICIENCY see **ANOXIA**

OXYGEN INHALATION THERAPY

Role of nocturnal oxygen therapy in obstructive sleep apnea. When should it be used? Fletcher EC, et al. **Chest** 1990 Dec;98(6):1497–504 (19 ref.)
[The use of helium–oxygen mixtures] Koziarin IP. **Vrach Delo** 1991 May;(5):19–24 (46 ref.) **(Rus)**

ADVERSE EFFECTS

Fatal airway obstruction caused by a mucous ball from a transtracheal oxygen catheter. Burton GG, et al. **Chest** 1991 Jun;99(6):1520–3 (12 ref.)
Oxygen–exacerbated bleomycin pulmonary toxicity [see comments] Ingrassia TS 3d, et al. **Mayo Clin Proc** 1991 Feb;66(2):173–8 (33 ref.) Comment in: Mayo Clin Proc 1991 May;66(5):548.
[Pathogenesis of damaging effects of hyperoxia during early ontogenesis] Garmasheva NL, et al. **Akush Ginekol (Mosk)** 1990 Jul;(7):6–9 (41 ref.) **(Rus)**

METHODS

[Physiotherapy and mask treatment of chronic bronchitis and chronic obstructive lung disease] Christensen HR, et al. **Nord Med** 1991;106(5):157–9 (15 ref.) (Eng. Abstr.) **(Dan)**

OXYGEN PARTIAL PRESSURE DETERMINATION, TRANSCUTANEOUS see **BLOOD GAS MONITORING, TRANSCUTANEOUS**

OXYGENASES

ANTAGONISTS & INHIBITORS

Inhibitors of fungal sterol synthesis: squalene–epoxidation and C–14–demethylation. Berg D, et al. **J Enzym Inhib** 1989; 3(1):1–11 (52 ref.)

BIOSYNTHESIS

Species variation in the response of the cytochrome P–450–dependent monooxygenase system to inducers and inhibitors. Boobis AR, et al. **Xenobiotica** 1990 Nov; 20(11):1139–61 (100 ref.)
[Induction of cytochrome P–450 monooxygenase after combined exposure of rats to xylene and ethanol] Wiśniewska–Knypl JM, et al. **Folia Med Cracov** 1990; 31(3):185–92 (12 ref.) (Eng. Abstr.) **(Pol)**

METABOLISM

Bioactivation of xenobiotics by flavin–containing monooxygenases. Ziegler DM. **Adv Exp Med Biol** 1991; 283:41–50 (37 ref.)
The cytochrome P450 metabolic pathway of arachidonic acid in the cornea. Schwartzman ML, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21A:185–92 (23 ref.)
Role of cytochrome P–450 monooxygenases in the activation of chemical carcinogens. Gil L, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):135–43 (36 ref.)
Cytochrome P–450 monooxygenase systems in aquatic species: carcinogen metabolism and biomarkers for carcinogen and pollutant exposure. Stegeman JJ, et al. **Environ Health Perspect** 1991 Jan;90:101–9 (74 ref.)
Biodegradation of low–molecular–weight halogenated hydrocarbons by methanotrophic bacteria. Hanson RS, et al. **FEMS Microbiol Rev** 1990 Dec;7(3–4):273–8 (22 ref.)

Novel arachidonate metabolites generated by cytochrome P450-dependent mono-oxygenases. Carroll MA, et al. **Pharmacol Res** 1991 May;23(4):309-18 (27 ref.)

Cytochrome P-450 metabolites of arachidonic acid: implications for blood pressure regulation. Carroll MA, et al. **Pol J Pharmacol Pharm** 1990 May-Jun;42(3):191-201 (21 ref.)

[Methods of assessing the activity of the monooxygenase enzyme system (review of the literature)] Krakovskiĭ ME, et al. **Lab Delo** 1990;(10):21-6 (51 ref.) **(Rus)**

OXYGENATION, EXTRACORPOREAL MEMBRANE see **EXTRACORPOREAL MEMBRANE OXYGENATION**

OXYGENATION, HYPERBARIC see **HYPERBARIC OXYGENATION**

OXYGENATORS, MEMBRANE

Gas exchange: bubble and membrane oxygenators. Pearson DT. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):313-9 (53 ref.)

OXYNEURINE see **BETAINE**

OXYNTIC CELLS see **PARIETAL CELLS, GASTRIC**

OXYTETRACID see **OXYTETRACYCLINE**

OXYTETRACYCLINE

ADVERSE EFFECTS

Medication-induced esophagitis in children. Kato S, et al. **Gastroenterol Jpn** 1990 Aug;25(4):485-8 (18 ref.)

THERAPEUTIC USE

[Oxytetracycline and oral herd treatment: a literature review] Schaftenaar W, et al. **Tijdschr Diergeneeskd** 1990 Sep 15; 115(18):825-36 (54 ref.) (Eng. Abstr.) **(Dut)**

OXYTOCIN

[Oxytocin. The theoretical bases and implications] Guzmán Sánchez A, et al. **Ginecol Obstet Mex** 1988 Jan;56:25-9 (60 ref.) (Eng. Abstr.) **(Spa)**

ANALOGS & DERIVATIVES

Vasopressin, oxytocin and synthetic analogues: the use of bioassays. Stürmer E. **J Pharm Biomed Anal** 1989; 7(2):199-210 (38 ref.)

ANALYSIS

Vasopressin, oxytocin and synthetic analogues: the use of bioassays. Stürmer E. **J Pharm Biomed Anal** 1989; 7(2):199-210 (38 ref.)

BIOSYNTHESIS

[Mechanisms regulating the biosynthesis and release of neurohormones of the neurohypophysis] Guzek JW. **Acta Physiol Pol** 1989;40 Suppl 34:11-28 (89 ref.) **(Pol)**

METABOLISM

A review of some aspects of the pharmacology of oxytocin in domestic animals. al-Eknah MM, et al. **Vet Res Commun** 1991;15(1):45-55 (121 ref.)

PHARMACOLOGY

Central effects of oxytocin. Richard P, et al. **Physiol Rev** 1991 Apr;71(2):331-70 (580 ref.)

PHYSIOLOGY

The role of oxytocin: present concepts. Jenkins JS, et al. **Clin Endocrinol (Oxf)** 1991 Jun;34(6):515-25 (123 ref.)

Oxytocin and the initiation of parturition. A review. Giraldi A, et al. **Dan Med Bull** 1990 Aug;37(4):377-83 (96 ref.)

Appearance and transient expression of vasopressin and oxytocin receptors in the rat brain. Tribollet E, et al. **J Recept Res** 1991;11(1-4):333-46 (14 ref.)

Central functions of oxytocin. Argiolas A, et al. **Neurosci Biobehav Rev** 1991 Summer;15(2):217-31 (214 ref.)

[Hormonal control of lactation] Aono T. **Nippon Sanka Fujinka Gakkai Zasshi** 1990 Aug; 42(8):867-72 (11 ref.) (Eng. Abstr.) **(Jpn)**

[Neurohormones of the posterior pituitary gland--their biosynthesis, secretion and physiological role] Ciosek J. **Acta Physiol Pol** 1989;40 Suppl 33:1-27 (172 ref.) **(Pol)**

SECRETION

Neurophysiology and neuropharmacology of hypothalamic magnocellular neurons secreting vasopressin and oxytocin. Renaud LP, et al. **Prog Neurobiol** 1991;36(2):131-69 (630 ref.)

THERAPEUTIC USE

Management of retained placenta using intraumbilical oxytocin injection. Wingeier R, et al. **J Nurse Midwifery** 1991 Jul-Aug;36(4):240-4 (12 ref.)

OXYURIASIS

PARASITOLOGY

Enterobius egg granuloma of the vulva and peritoneum: review of the literature. Sun T, et al. **Am J Trop Med Hyg** 1991 Aug;45(2):249-53 (27 ref.)

Haplodiploidy in the Oxyurida: decoupling the evolutionary processes of adaptation and speciation. Adamson ML. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:31-5 (22 ref.)

The pinworm, Enterobius vermicularis. Russell LJ. **Prim Care** 1991 Mar;18(1):13-24 (52 ref.)

OXYURIS VERMICULARIS see **ENTEROBIUS**

OXYUROIDEA

GENETICS

Haplodiploidy in the Oxyurida: decoupling the evolutionary processes of adaptation and speciation. Adamson ML. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:31-5 (22 ref.)

OXYVANADIUM see **VANADATES**

OYSTERS

MICROBIOLOGY

Hemochromatosis and infection: alcohol and iron, oysters and sepsis. Muench KH. **Am J Med** 1989 Sep; 87(3N):40N-43N (38 ref.)

OZENA see **RHINITIS, ATROPHIC**

OZONE

Ozone holes and biological consequences. Moan J. **J Photochem Photobiol B** 1991 May;9(2):244-7 (18 ref.)

Ocular hazards arising from depletion of the natural atmospheric ozone layer: a review. Charman WN. **Ophthalmic Physiol Opt** 1990 Oct;10(4):333-41 (50 ref.)

[Risk evaluation of stratospheric ozone depletion resulting from chlorofluorocarbons (CFC) on human health] Ando M. **Nippon Eiseigaku Zasshi** 1990 Dec;45(5):947-53 (20 ref.) (Eng. Abstr.) **(Jpn)**

[Anesthetic gases, the ozone layer and the greenhouse effect. How harmful are the anesthetic emissions for the global environment?] Dale O, et al. **Tidsskr Nor Laegeforen** 1991 Jun 30;111(17):2115-7 (15 ref.) (Eng. Abstr.) **(Nor)**

ADVERSE EFFECTS

Can vitamin E protect humans against the pathological effects of ozone in smog? Pryor WA. **Am J Clin Nutr** 1991 Mar;53(3):702-22 (161 ref.)

[Toxicology of ozone and other photo-oxidants] Mücke W. **Ann Ist Super Sanita** 1990;26(2):197-201 (12 ref.) (Eng. Abstr.) **(Ita)**

ANALYSIS

Stratospheric ozone depletion and its relationship to skin cancer. Amron DM, et al. **J Dermatol Surg Oncol** 1991 Apr;17(4):370-2 (19 ref.)

PHARMACOLOGY

[Performance of athletes exercising in ozone polluted air] Morales Cardona T. **Bol Asoc Med P R** 1990 Dec; 82(12):517-22 (22 ref.) (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

[The consequences of the destruction of the ozone layer for the biosphere] Belousov VV. **Izv Akad Nauk SSSR [Biol]** 1991 Mar-Apr;(2):242-54 (82 ref.) **(Rus)**

TOXICITY

Effects of oxygen and ozone on mouse lung tumorigenesis. Witschi H. **Exp Lung Res** 1991 Mar-Apr;17(2):473-83 (51 ref.)

Biochemical basis of ozone toxicity. Mustafa MG. **Free Radic Biol Med** 1990;9(3):245-65 (324 ref.)

P21(C-HA-RAS) see **PROTO-ONCOGENE PROTEIN P21(RAS)**

P21(C-KI-RAS) see **PROTO-ONCOGENE PROTEIN P21(RAS)**

P21(C-RAS) see **PROTO-ONCOGENE PROTEIN P21(RAS)**

P21(N-RAS) see **PROTO-ONCOGENE PROTEIN P21(RAS)**

P21(RAS) see **PROTO-ONCOGENE PROTEIN P21(RAS)**

P21(V-HA-RAS) see **ONCOGENE PROTEIN P21(RAS)**

P21(V-KI-RAS) see **ONCOGENE PROTEIN P21(RAS)**

P34CDC2 PROTEIN see **PROTEIN P34CDC2**

P53 GENES see **GENES, P53**

P53 PROTEIN see **PROTEIN P53**

P62(C-MYC) see **PROTO-ONCOGENE PROTEINS C-MYC**

P105-RB PROTEIN see **RETINOBLASTOMA PROTEIN**

P40(TAX) see **GENE PRODUCTS, TAX**

P-B ANTIBODIES see **ANTIBODIES, HETEROPHILE**

P BLOOD-GROUP SYSTEM

IMMUNOLOGY

The Ii and P blood group systems. Marcus DM. **Immunol Ser** 1989;43:701-12 (30 ref.)

P-CADHERINS see **CADHERINS**

P-CELL STIMULATING FACTOR see **INTERLEUKIN-3**

PABA see **4-AMINOBENZOIC ACID**

PACEMAKER, ARTIFICIAL

Extraction of implanted transvenous pacing leads: a review of a persistent clinical problem. Myers MR, et al. **Am Heart J** 1991 Mar;121(3 (Pt 1)):881-8 (69 ref.)

Permanent cardiac pacemakers. Indications and current trends. Kertes PJ. **Aust Fam Physician** 1990 Jul; 19(7):1066-70, 1072-6, 1078 (1 ref.)

Pacemaker atrial lead dislodgement and malposition inducing ventricular pacing. Johnson CD. **Bol Asoc Med P R** 1991 Mar;83(3):99-108 (30 ref.)

Rehabilitation strategies for the complex cardiac patient. Pashkow FJ. **Cleve Clin J Med** 1991 Jan-Feb;58(1):70-5 (56 ref.)

The pacemaker syndrome: old and new causes. Schüller H, et al. **Clin Cardiol** 1991 Apr;14(4):336-40 (46 ref.)

Indications for and use of artificial cardiac pacemakers: Part I. Del Negro AA, et al. **Curr Probl Cardiol** 1978 Oct; 3(7):1-44 (49 ref.)

The present status of cardiac pacing. Furman S. **Herz** 1991 Jun;16(3):171-81 (34 ref.)

Hemodynamics and exercise capacity during pacemaker stimulation. Nordlander R, et al. **Herz** 1991 Jun; 16(3):149-57 (37 ref.)

Antitachycardia pacing: electrophysiologic concepts and clinical experience. Bashir Y, et al. **Indian Heart J** 1991 Jan-Feb;43(1):1-4 (29 ref.)

Biosensor applications to antitachycardia devices. Cohen TJ, et al. **PACE** 1991 Feb;14(2 Pt 2):322-8 (25 ref.)

A new feature for control of inappropriate high rate tracking in DDDR pacemakers. Lee MT, et al. **PACE** 1990 Dec; 13(12 Pt 2):1852-5 (11 ref.)

Implantable cardioverter defibrillators in cardiovascular practice: report of the Policy Conference of the North American Society of Pacing and Electrophysiology. NASPE Policy Conference Committee. Lehmann MH, et al. **PACE Pacing Clin Electrophysiol** 1991 Jun;14(6):969-79 (86 ref.)

[Temporary pacing in connection with anesthesia. Indications and methods] Fonsmark L, et al. **Ugeskr Laeger** 1991 Mar 25;153(13):913-6 (24 ref.) (Eng. Abstr.) **(Dan)**

[Cardiac disorders in Steinert's disease. Indication of pacemaker in two patients of the same family] Liandrat S, et al. **Ann Cardiol Angeiol (Paris)** 1990 Oct;39(8):471-7 (41 ref.) (Eng. Abstr.) **(Fre)**

[Infectious endocarditis of the tricuspid valve in patients with endocardial pacemakers] el Kohen M, et al. **Arch Mal Coeur** 1990 Nov;83(12):1855-7 (10 ref.) (Eng. Abstr.) **(Fre)**

[New cardiac pacemakers] Daubert JC, et al. **Presse Med** 1991 Jun 15;20(23):1083-9 (20 ref.) (Eng. Abstr.) **(Fre)**

[Recent developments in position sensors] Schaldach M, et al. **Biomed Tech (Berlin)** 1990;35 Suppl 3:207-9 (6 ref.) **(Ger)**

[Which programmable functions of pacemakers are available, and what is their clinical relevance?] Jung W, et al. **Herz** 1991 Jun;16(3):158-70 (56 ref.) (Eng. Abstr.) **(Ger)**

[Value of diagnostic methods in conduction disorders for pacemaker indications and choice of a suitable stimulation mode] Seipel L, et al. **Herz** 1991 Jun;16(3):131-7 (13 ref.) (Eng. Abstr.) **(Ger)**

[Anti-bradycardia pacemaker therapy: rational choice of system in relation to hemodynamic and prognostic aspects] Stangl K. **Herz** 1991 Jun;16(3):138-48 (73 ref.) (Eng. Abstr.) **(Ger)**

[Clinical value of monophasic action potentials] Franz MR. **Z Kardiol** 1991 Apr;80(4):241-9 (51 ref.) (Eng. Abstr.) **(Ger)**

[Rate-responsive pacemakers] Amikam S. **Harefuah** 1991 Mar 1;120(5):270-4 (33 ref.) **(Heb)**

[Implanting an atrial pacemaker] Székely A, et al. **Orv Hetil** 1990 Dec 30;131(52):2855-9 (38 ref.) (Eng. Abstr.) **(Hun)**

[The etiological, pathogenetic and clinical prognostic aspects in the sick sinus syndrome and the importance of permanent electrocardiostimulation in patient rehabilitation] Egorov

DF, et al. **Ter Arkh** 1991;63(4):151–5 (108 ref.) **(Rus)**

[Programmable stimulation of the ventricles in patients with ischemic heart disease (a review of the literature)] Parkhomenko AN, et al. **Vrach Delo** 1990 Dec;(12):1–6 (45 ref.) **(Rus)**

[Ambulatory control and follow-up of patients carrying a unicameral pacemaker] de Juan Montiel J, et al. **Rev Esp Cardiol** 1990;43 Suppl 2:32–9 (47 ref.) (Eng. Abstr.) **(Spa)**

[Biosensors and rate-responsive cardiac pacing] Rodríguez García J, et al. **Rev Esp Cardiol** 1990;43 Suppl 2:58–66 (39 ref.) (Eng. Abstr.) **(Spa)**

PACEMAKERS, BIOLOGICAL see **BIOLOGICAL CLOCKS**

PACHYCURARES see **CURARE-LIKE AGENTS**

PACHYDERMOPERIOSTOSIS see **OSTEOARTHROPATHY, PRIMARY HYPERTROPHIC**

PACIFIERS see **INFANT CARE**

PACING, CARDIAC, ARTIFICIAL see **CARDIAC PACING, ARTIFICIAL**

PACKED RED-CELL VOLUME see **HEMATOCRIT**

PACS (RADIOLOGY) see **RADIOLOGY INFORMATION SYSTEMS**

PADUTIN see **KALLIKREIN**

PAF-ACETHER see **PLATELET ACTIVATING FACTOR**

PAGET'S DISEASE, EXTRA-MAMMARY

PATHOLOGY

Pagetoid carcinomatous involvement of the penile urethra in association with high-grade transitional cell carcinoma of the urinary bladder. Bégin LR, et al. **Arch Pathol Lab Med** 1991 Jun;115(6):632–5 (13 ref.)

Invasive adenocarcinoma arising in extramammary Paget's disease of the vulva. Evans AT, et al. **Histopathology** 1991 Apr;18(4):355–60 (38 ref.)

[Bowen's disease, Paget's disease and basalioma of the anal region] Gross E. **Z Gastroenterol Verh** 1991 Mar;26:176–80 (48 ref.) **(Ger)**

SURGERY

Surgical treatment of extramammary Paget's disease. A report of six cases and a reexamination of Mohs micrographic surgery compared with conventional surgical excision. Coldiron BM, et al. **Cancer** 1991 Feb 15; 67(4):933–8 (63 ref.)

PAGET'S DISEASE OF BONE see **OSTEITIS DEFORMANS**

PAGET'S DISEASE OF BREAST

PATHOLOGY

[Paget's disease of the nipple associated with epidermal basaloid hyperplasia simulating basal cell carcinoma] Tousignant J, et al. **Ann Dermatol Venereol** 1991; 118(3):211–4 (28 ref.) **(Fre)**

PAI-1 see **PLASMINOGEN INACTIVATORS**

PAI-2 see **PLASMINOGEN INACTIVATORS**

PAI-3 see **PLASMINOGEN INACTIVATORS**

PAIN

see related
ANALGESIA

Patellar pain. Arnoldi CC. **Acta Orthop Scand Suppl** 1991; 244:1–29 (67 ref.)

Chronic idiopathic pain syndrome. Lipowski ZJ. **Ann Med** 1990;22(4):213–7 (34 ref.)

Lesser metatarsalgia in the geriatric patient. Helfand AE. **Clin Podiatr Med Surg** 1990 Oct;7(4):743–9 (16 ref.)

Pain in the newborn—pharmacodynamic aspects. Boréus LO. **Dev Pharmacol Ther** 1990;15(3–4):142–8 (12 ref.)

Heel spur syndrome. Pathomechanics and nonsurgical treatment. Biomechanics Graduate Research Group for 1988. Scherer PR. **J Am Podiatr Med Assoc** 1991 Feb; 81(2):68–72 (41 ref.)

The role of pain in the last year of life of older persons. Moss MS, et al. **J Gerontol** 1991 Mar;46(2):P51–7 (24 ref.)

Chronic anterior knee pain in the adolescent. Goldberg B. **Pediatr Ann** 1991 Apr;20(4):186–7, 190–3 (24 ref.)

[Acute pain in children and its treatment] Dalens B. **Ann Fr Anesth Reanim** 1991;10(1):38–61 (200 ref.) (Eng. Abstr.) **(Fre)**

[Patellofemoral pain. Diagnosis and treatment] Engebretsen L, et al. **Tidsskr Nor Laegeforen** 1991 Jun 20; 111(16):1949–52 (67 ref.) (Eng. Abstr.) **(Nor)**

CHEMICALLY INDUCED

Eosinophilia-myalgia syndrome. Kazura JW. **Cleve Clin J Med** 1991 May-Jun;58(3):267–70 (25 ref.)

[Myalgia-hypereosinophilia syndrome caused by L-tryptophan] Lacour JP, et al. **Ann Dermatol Venereol** 1990;117(12):991–8 (32 ref.) **(Fre)**

[Polymyalgia induced by topical minoxidil] Colamarino R, et al. **Ann Med Interne (Paris)** 1990;141(5):425–8 (18 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Depression and chronic fatigue in the patient with chronic pain. Covington EC. **Prim Care** 1991 Jun;18(2):341–58 (85 ref.)

DIAGNOSIS

The painful arm [see comments] Murtagh J. **Aust Fam Physician** 1990 Sep;19(9):1423–6 (3 ref.) Comment in: Aust Fam Physician 1991 Mar;20(3):349–50.

The clinical assessment of mastalgia. Mansel RE. **Br J Clin Pract Symp Suppl** 1989 Nov;68:17–20; discussion 23–5 (14 ref.)

Differential diagnosis and treatment of heel pain. Dailey JM. **Clin Podiatr Med Surg** 1991 Jan;8(1):153–66 (25 ref.)

Recent concepts in understanding a child's pain. Mahan KT, et al. **J Am Podiatr Med Assoc** 1991 May;81(5):231–42 (49 ref.)

The eosinophilia-myalgia syndrome and related disorders [editorial] Kaufman LD. **Recenti Prog Med** 1991 May; 82(5):286–90 (53 ref.)

[Is early differentiation of psychogenic from organic pain patients possible? Review of the literature and results of a screening study] Egle UT, et al. **Nervenarzt** 1991 Mar; 62(3):148–57 (62 ref.) **(Ger)**

DRUG THERAPY

Improving outcomes of analgesic treatment: is education enough? [see comments] Max MB. **Ann Intern Med** 1990 Dec 1;113(11):885–9 (57 ref.) Comment in: Ann Intern Med 1991 Feb 15;114(4):342–3.

Studies of tamoxifen in women with mastalgia. Fentiman IS, et al. **Br J Clin Pract Symp Suppl** 1989 Nov;68:34–6; discussion 49–53 (7 ref.)

The pharmacological control of musculoskeletal pain. Kantor TG. **Can J Physiol Pharmacol** 1991 May;69(5):713–8 (36 ref.)

Treatment options for the relief of pain during childbirth. Brownridge P. **Drugs** 1991 Jan;41(1):69–80 (32 ref.)

Paediatric analgesia. Which drug? Which dose? Gaukroger PB. **Drugs** 1991 Jan;41(1):52–9 (15 ref.)

Opioid agonist-antagonist drugs in acute and chronic pain states. Hoskin PJ, et al. **Drugs** 1991 Mar;41(3):326–44 (118 ref.)

Dissociation between the antinociceptive and anti-inflammatory effects of the nonsteroidal anti-inflammatory drugs. A survey of their analgesic efficacy. McCormack K, et al. **Drugs** 1991 Apr; 41(4):533–47 (166 ref.)

Pain control in the ambulatory elderly. Enck RE. **Geriatrics** 1991 Mar;46(3):49–53, 57–8, 60 (18 ref.)

Acute pain management. Collins JG. **Int Anesthesiol Clin** 1991 Winter;29(1):23–36 (32 ref.)

Pediatric pain management. Maunuksela EL, et al. **Int Anesthesiol Clin** 1991 Winter;29(1):37–55 (27 ref.)

Indirectly intended life-shortening analgesia: clarifying the principles. Barry FR, et al. **Issues Law Med** 1990 Fall; 6(2):117–51 (133 ref.)

Pain management in elderly people. Ferrell BA. **J Am Geriatr Soc** 1991 Jan;39(1):64–73 (94 ref.)

Clinical and pharmacological review of the efficacy of orphenadrine and its combination with paracetamol in painful conditions. Hunskaar S, et al. **J Int Med Res** 1991 Mar-Apr;19(2):71–87 (42 ref.)

Management of pain in the newborn infant. Colditz PB. **J Paediatr Child Health** 1991 Feb;27(1):11–5 (58 ref.)

Controversies in the long-term management of analgesic therapy in patients with advanced cancer. Portenoy RK, et al. **J Palliat Care** 1991 Summer;7(2):13–24 (68 ref.)

Rectal, buccal, and sublingual narcotics for the management of cancer pain. Ripamonti C, et al. **J Palliat Care** 1991 Spring;7(1):30–5 (42 ref.)

Cancer chemoprevention by supplemental carotenoids and synergism with retinol in mastodynia treatment. Santamaria LA, et al. **Med Oncol Tumor Pharmacother** 1990; 7(2–3):153–67 (48 ref.)

Pain management. Slack J, et al. **Nurs Clin North Am** 1991 Jun;26(2):463–76 (63 ref.)

Clinical judgments in pain management. Lander J. **Pain** 1990 Jul;42(1):15–22 (50 ref.)

The management of pain in children. Weisman SJ, et al. **Pediatr Rev** 1991 Feb;12(8):237–43 (11 ref.)

Help for the hurting elderly. Safe use of drugs to relieve pain. Egbert AM. **Postgrad Med** 1991 Mar;89(4):217–22, 225, 228 (28 ref.)

Opiate-resistant pain: a therapeutic dilemma. MacDonald N. **Recent Results Cancer Res** 1991;121:24–35 (29 ref.)

Is the therapeutic use of opioids adversely affected by prejudice and law? Zenz M, et al. **Recent Results Cancer Res** 1991;121:43–50 (17 ref.)

[Prevention by naloxone of adverse effects of epidural morphine analgesia for cancer pain] Vedrenne JB, et al. **Ann Fr Anesth Reanim** 1991;10(2):98–103 (27 ref.) (Eng. Abstr.) **(Fre)**

[The use of opioids by the regional route in the treatment of pain] Roquefeuil B. **Cah Anesthesiol** 1991;39(2):121–5 (17 ref.) (Eng. Abstr.) **(Fre)**

[Application and value of nonsteroidal inflammation inhibitors in arthritis] Schlumpf U. **Ther Umsch** 1991 Jan; 48(1):34–41 (29 ref.) (Eng. Abstr.) **(Ger)**

[Therapy with analgesics and anti-rheumatic agents in the aged] Hackenthal E. **Verh Dtsch Ges Inn Med** 1990; 96:274–85 (95 ref.) **(Ger)**

[Physiological and pharmacological actions of a neuroactive dipeptide, kyotorphin, and its precursor, L-arginine, and clinical application] Takagi H. **Nippon Yakurigaku Zasshi** 1990 Sep;96(3):85–96 (54 ref.) (Eng. Abstr.) **(Jpn)**

[Means and methods of non-opiate analgesia from the point of view of the concept of the adrenergic regulation of pain sensitivity] Ignatov IuD, et al. **Anesteziol Reanimatol** 1991 May-Jun;(3):65–8 (39 ref.) (Eng. Abstr.) **(Rus)**

ETHNOLOGY

Culture, pain and cancer. Garro LC. **J Palliat Care** 1990 Autumn;6(3):34–44 (86 ref.)

ETIOLOGY

Shoulder pain in hemiplegia. Krotenberg R. **Adv Clin Rehabil** 1990;3:189–96 (13 ref.)

The painful shoulder: Part II. Intrinsic disorders and impingement syndrome. Zuckerman JD, et al. **Am Fam Physician** 1991 Feb;43(2):497–512 (50 ref.)

The painful shoulder: Part I. Extrinsic disorders. Zuckerman JD, et al. **Am Fam Physician** 1991 Jan;43(1):119–28 (13 ref.)

Soft-tissue causes of metatarsalgia. Albert SF. **Clin Podiatr Med Surg** 1990 Oct;7(4):579–95 (29 ref.)

Differential diagnosis of lesser metatarsalgia. Pack LG, et al. **Clin Podiatr Med Surg** 1990 Oct;7(4):573–7 (4 ref.)

Patellofemoral pain. An arthroscopic perspective. Malek MM, et al. **Clin Sports Med** 1991 Jul;10(3):549–67 (54 ref.)

Cancer pain. Grossman SA. **Curr Opin Oncol** 1990 Oct; 2(5):915–8 (14 ref.)

Fibrositis/fibromyalgia syndrome: the key to the puzzle of chronic pain [see comments] Reilly PA, et al. **Med J Aust** 1990 Mar 5;152(5):226–8 (56 ref.) Comment in: Med J Aust 1990 Sep 3;153(5):302–3.

Muscle pain in neuromuscular disorders and primary fibromyalgia. Henriksson KG. **Neurologija** 1989; 38(3):213–21 (25 ref.)

PUVA-induced itching and skin pain. Roelandts R, et al. **Photodermatol Photoimmunol Photomed** 1990 Aug; 7(4):141–2 (11 ref.)

Treatment of voiding complaints and incontinence in painful bladder syndrome. Stone AR. **Urol Clin North Am** 1991 May;18(2):317–25 (53 ref.)

[Pain after sympathectomy] Farcot JM, et al. **Agressologie** 1990 Apr;31(4):191–7 (52 ref.) (Eng. Abstr.) **(Fre)**

[Coccygodynia disclosing Tarlov's cysts] Dehaine V, et al. **Rev Med Interne** 1990 Jul-Aug;11(4):280–4 (16 ref.) (Eng. Abstr.) **(Fre)**

[Surgical treatment of painful shoulders caused by lesions of the rotator cuff and biceps, treatment as a function of lesions. Reflections on the Neer's concept] Walch G, et al. **Rev Rhum Mal Osteoartic** 1991 Apr;58(4):247–57 (37 ref.) (Eng. Abstr.) **(Fre)**

[Differential diagnosis of otorhinolaryngologic pain syndromes] Geyer G. **Laryngorhinootologie** 1990 Sep; 69(9):491–4 (27 ref.) (Eng. Abstr.) **(Ger)**

[Tenosynovial giant cell tumor in the differential diagnosis of painful heel] Sager M, et al. **Schweiz Rundsch Med Prax** 1990 Oct 2;79(40):1175–9 (28 ref.) (Eng. Abstr.) **(Ger)**

[The heterogeneity of the nociceptive and antinociceptive peptide mechanisms and their correlation with the genesis of pain] Kaliuzhnyi LV. **Usp Fiziol Nauk** 1990 Oct–Dec; 21(4):68–84 (133 ref.) **(Rus)**

HISTORY

[Testimonies of human pain in the literature] Albarracín Teulón A. **An R Acad Nac Med (Madr)** 1990;107(2):295–306 (43 ref.) **(Spa)**

METABOLISM

Detection and quantification of opiate receptors in man by positron emission tomography. Potential applications to the study of pain. Sadzot B, et al. **Neurophysiol Clin** 1990 Nov; 20(5):323–34 (29 ref.)

NURSING

Pain perception in the neonate: implications for circumcision. Myron AV, et al. **J Prof Nurs** 1991 May-Jun;7(3):188–93; discussion 194–5 (37 ref.)

Chronic pain. Burckhardt CS. **Nurs Clin North Am** 1990 Dec; 25(4):863–70 (31 ref.)

Acute pain relief. Donovan MI. **Nurs Clin North Am** 1990 Dec;25(4):851–61 (28 ref.)

Pain in children. Eland JM. **Nurs Clin North Am** 1990 Dec; 25(4):871–84 (42 ref.)

Pain management in the orthopedic patient. Mooney NE. **Nurs Clin North Am** 1991 Mar;26(1):73–87 (43 ref.)

PATHOLOGY

Cervical and thoracic pain. Bland JH.
Curr Opin Rheumatol 1991 Apr;3(2):218–25 (23 ref.)
Shoulder pain and reflex sympathetic dystrophy. Uhthoff HK, et al. **Curr Opin Rheumatol** 1991 Apr;3(2):240–6 (48 ref.)

PHYSIOPATHOLOGY

Electrophysiological mechanisms in inflammatory pain. Handwerker HO. **Agents Actions Suppl** 1991;32:91–9 (18 ref.)
Neuropeptides and pain. Carr DB, et al. **Agressologie** 1990 Apr;31(4):173–7 (56 ref.)
Serotonin and nociception. Richardson BP.
Ann N Y Acad Sci 1990;600:511–9; discussion 519–20 (62 ref.)
The contribution of the nervous system to inflammation and inflammatory disease. Basbaum AI, et al.
Can J Physiol Pharmacol 1991 May;69(5):647–51 (35 ref.)
Arthritis and headache. Besson JM.
Can J Physiol Pharmacol 1991 May;69(5):635–6 (0 ref.)
Basic mechanisms of pain associated with deep tissues. Dubner R. **Can J Physiol Pharmacol** 1991 May;69(5):607–9 (19 ref.)
Central mechanisms of visceral pain. Gebhart GF, et al.
Can J Physiol Pharmacol 1991 May;69(5):627–34 (25 ref.)
Central neurophysiological processing of joint pain on the basis of studies performed in normal animals and in models of experimental arthritis. Guilbaud G.
Can J Physiol Pharmacol 1991 May;69(5):637–46 (46 ref.)
Muscle pain, dyskinesia, and sleep. Lavigne GJ, et al.
Can J Physiol Pharmacol 1991 May;69(5):678–82 (49 ref.)
The pain–adaptation model: a discussion of the relationship between chronic musculoskeletal pain and motor activity. Lund JP, et al. **Can J Physiol Pharmacol** 1991 May; 69(5):683–94 (120 ref.)
Considerations concerning the neurobiological basis of muscle pain. Mense S. **Can J Physiol Pharmacol** 1991 May; 69(5):610–6 (37 ref.)
Mechanisms of pain arising from articular tissues. Sessle BJ, et al. **Can J Physiol Pharmacol** 1991 May;69(5):617–26 (98 ref.)
Chronic muscle pain syndromes: an overview. Widmer CG.
Can J Physiol Pharmacol 1991 May;69(5):659–61 (19 ref.)
Research in cancer pain. What we know and what we need to know. Cleeland C. **Cancer** 1991 Feb 1;67(3 Suppl):823–7 (25 ref.)
Pain and neurotransmitters. Otsuka M, et al.
Cell Mol Neurobiol 1990 Sep;10(3):293–302 (52 ref.)
The role of endogenous opioid peptides in the regulation of pain. Ramabadran K, et al. **Crit Rev Neurobiol** 1990; 6(1):13–32 (294 ref.)
Electrophysiological assessment of nociception in normals and patients: the use of nociceptive reflexes. García–Larrea L, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990; 41:102–18 (70 ref.)
Activation of pain fibers to the internal carotid artery intracranially may cause the pain and local signs of reduced sympathetic and enhanced parasympathetic activity in cluster headache. Hardebo JE. **Headache** 1991 May; 31(5):314–20 (48 ref.)
On pain mechanisms in cluster headache. Hardebo JE.
Headache 1991 Feb;31(2):91–106 (167 ref.)
Neurobiological background of pain and analgesia: the attempt at revaluation according to position of the organism's adaptive activity. Kiyatkin EA.
Int J Neurosci 1990 Jun;52(3–4):125–88 (287 ref.)
Consciousness, coma, and the vegetative state: physical basis and definitional character. De Giorgio CM, et al.
Issues Law Med 1991 Spring;6(4):361–71 (76 ref.)
Can people who are unconscious or in the "vegetative state" perceive pain? McQuillen MP. **Issues Law Med** 1991 Spring;6(4):373–83 (76 ref.)
Pain threshold levels and coping strategies among patients who have chest pain and normal coronary arteries. Bradley LA, et al. **Med Clin North Am** 1991 Sep;75(5):1189–202 (38 ref.)
Nociceptive transmission within the spinal cord. Sorkin LS. **Mt Sinai J Med** 1991 May;58(3):208–16 (132 ref.)
Anal fissures. Smith LE. **Neth J Med** 1990 Aug;37 Suppl 1:S33–6 (23 ref.)
Unraveling the mystery of pain. Paice JA.
Oncol Nurs Forum 1991 Jul;18(5):843–9 (53 ref.)
Toward an integrated understanding of fibromyalgia syndrome. II. Psychological and phenomenological aspects. Boissevain MD, et al. **Pain** 1991 Jun;45(3):239–48 (77 ref.)
Toward an integrated understanding of fibromyalgia syndrome. I. Medical and pathophysiological aspects. Boissevain MD, et al. **Pain** 1991 Jun;45(3):227–38 (118 ref.)
Opioids and opioid receptors mediating antinociception at various levels of the neuraxis. Herz A, et al.
Physiol Bohemoslov 1990;39(5):395–401 (39 ref.)
Role of the forebrain in nociception. Willis WD Jr.
Prog Brain Res 1991;87:1–12 (55 ref.)
John J. Bonica distinguished lecture. Acute pain and the injury response: immediate and prolonged effects. Cousins MJ. **Reg Anesth** 1989 Jul–Aug;14(4):162–79 (123 ref.)
Painful rheumatic syndromes associated with human immunodeficiency virus infection. Rynes RI.
Rheum Dis Clin North Am 1991 Feb;17(1):79–87 (13 ref.)
[Diffuse noxious inhibitory controls: theoretical aspects applied to the effects of regional administration of morphine] Le Bars D, et al. **Neurochirurgie** 1990; 36(6):329–35 (38 ref.) (Eng. Abstr.) **(Fre)**
[Peripheral and spinal pathways involved in diffuse inhibitory controls induced by noxious stimulation. Neurosurgical approach in rats] Le Bars D, et al. **Neurochirurgie** 1990; 36(5):265–72 (48 ref.) (Eng. Abstr.) **(Fre)**
[Use of animal models of clinical pain] Guilbaud G.
Neurophysiol Clin 1990 Nov;20(5):301–21 (16 ref.) (Eng. Abstr.) **(Fre)**
[Origin and conduction of pain in birth, effect of pain and analgesia on the mother, the birth process and fetus] Jurna I. **Klin Anasthesiol Intensivther** 1989;37:36–42 (39 ref.) **(Ger)**
[Pain in multiple sclerosis. Clinical aspects and therapy] Vaney C. **Schweiz Med Wochenschr** 1990 Dec 29; 120(51–52):1959–64 (21 ref.) (Eng. Abstr.) **(Ger)**
[The current significance of spinal cord stimulation in the framework of functional neurosurgery] Probst C.
Schweiz Rundsch Med Prax 1990 Sep 4;79(36):1025–30 (18 ref.) (Eng. Abstr.) **(Ger)**
[The role of neuropeptides in neural somatic reflexes] Traczyk WZ. **Acta Physiol Pol** 1989;40 Suppl 34:55–66 (38 ref.) **(Pol)**
[Pain in children: the mechanisms of transmission and response] Marco Valls J. **Cir Pediatr** 1991 Apr;4(2):57–9 (27 ref.) (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Chronic musculoskeletal pain: a cognitive approach to psychophysiologic assessment and intervention. Ciccone DS, et al. **Adv Clin Rehabil** 1990;3:197–214 (26 ref.)
A systems model of chronic musculo–skeletal pain. Large R, et al. **Aust N Z J Psychiatry** 1990 Dec;24(4):529–36 (66 ref.)
A semiotic perspective on chronic pain: implications for the interaction between patient and physician. Priel B, et al.
Br J Med Psychol 1991 Mar;64 (Pt 1):65–71 (27 ref.)
Illness behavior and dysfunction: review of concepts and application to chronic pain. Dworkin SF.
Can J Physiol Pharmacol 1991 May;69(5):662–71 (46 ref.)
Physical illness, pain, and suicidal behavior. Venkoba Rao A. **Crisis** 1990 Nov;11(2):48–56 (30 ref.)
Psychological aspects of pain. Rudy TE, et al.
Int Anesthesiol Clin 1991 Winter;29(1):9–21 (60 ref.)
Chronic pain in primary care. Identification and management of psychosocial factors. Sullivan MD, et al.
J Fam Pract 1991 Feb;32(2):193–9 (30 ref.)
An ethological model for the study of activation and interaction of pain, memory and defensive systems in the attacked mouse. Role of endogenous opioids. Siegfried B, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):481–90 (115 ref.)
Cultural variations in response to painful stimuli. Zatzick DF, et al. **Psychosom Med** 1990 Sep–Oct;52(5):544–57 (62 ref.)
Coping with cancer pain. Seemann H, et al.
Recent Results Cancer Res 1991;121:58–67 (36 ref.)
[Psychological aspects of pain] Heřmánek S.
Cesk Neurol Neurochir 1990 Sep;53(5):305–9 (23 ref.) **(Cze)**
[Problems posed by the evaluation of pain and its psychological aspects] Boureau F, et al.
Neurophysiol Clin 1990 Nov;20(5):357–68 (45 ref.) (Eng. Abstr.) **(Fre)**
[Psychological methods for facilitation of delivery] Knörr K. **Klin Anasthesiol Intensivther** 1989;37:48–53 (18 ref.) **(Ger)**
[Pain and pain perception] Kmietzyk HJ.
Psychiatr Neurol Med Psychol (Leipz) 1990 Aug; 42(8):508–11 (12 ref.) (Eng. Abstr.) **(Ger)**
[Psychiatric aspects of chronic pain syndrome] Garrote MS.
Rev Paul Med 1991 Mar–Apr;109(2):84–7 (17 ref.) (Eng. Abstr.) **(Por)**

SURGERY

Calcaneal decompression for heel pain. Baerg RH.
Clin Podiatr Med Surg 1991 Jan;8(1):197–202 (9 ref.)
Synovectomy–arthroplasty as an alternative to triple arthrodesis in the management of subtalar joint pain. Jacobs AM, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):485–500 (49 ref.)
Surgical management of recalcitrant heel pain. Jacoby RP, et al. **Clin Podiatr Med Surg** 1991 Jan;8(1):187–95 (51 ref.)
Ablative neurosurgical procedures for the treatment of chronic pain. Sindou M, et al. **Neurophysiol Clin** 1990 Nov; 20(5):399–423 (108 ref.)
Spinal cord stimulation: a contemporary series [see comments] Spiegelmann R, et al. **Neurosurgery** 1991 Jan; 28(1):65–70; discussion 70–1 (32 ref.) Comment in: Neurosurgery 1991 Jun;28(6):932–3.

THERAPY

Pelvic denervation for chronic pain associated with endometriosis: fact or fancy? Vercellini P, et al.
Am J Obstet Gynecol 1991 Sep;165(3):745–9 (51 ref.)
Pain control. Boey WK. **Ann Acad Med Singapore** 1991 Jan; 20(1):118–26 (29 ref.)
Pain in newborns and prematures: current practice and knowledge. Schuster A, et al. **Brain Dev** 1990;12(5):459–65 (96 ref.)
Electrical stimulation of peripheral and central pathways for the relief of musculoskeletal pain. Bushnell MC, et al.
Can J Physiol Pharmacol 1991 May;69(5):697–703 (42 ref.)
Can the use of physical modalities for pain control be rationalized by the research evidence? Chapman CE.
Can J Physiol Pharmacol 1991 May;69(5):704–12 (36 ref.)
Pain in neonatal circumcision. Schoen EJ, et al.
Clin Pediatr (Phila) 1991 Jul;30(7):429–32 (39 ref.)
Pediatric pain: current status and new directions. Zeltzer LK, et al. **Curr Probl Pediatr** 1990 Aug;20(8):409–86 (229 ref.)
Current approaches to chronic pain in older patients. Forman WB, et al. **Geriatrics** 1991 Jul;46(7):47–52 (20 ref.)
The role of neurolytic blocks in the treatment of cancer pain. Coles PG, et al. **Int Anesthesiol Clin** 1991 Winter; 29(1):93–104 (25 ref.)
Chronic pain: the multidisciplinary approach. Lebovits AH.
Int Anesthesiol Clin 1991 Winter;29(1):1–7 (28 ref.)
Deep brain stimulation in the treatment of chronic pain in man: where and why? Gybels J, et al.
Neurophysiol Clin 1990 Nov;20(5):389–98 (32 ref.)
Deep brain stimulation: a review of basic research and clinical studies. Duncan GH, et al. **Pain** 1991 Apr;45(1):49–59 (121 ref.)
Neglected factors in chronic pain treatment outcome studies—referral patterns, failure to enter treatment, and attrition. Turk DC, et al. **Pain** 1990 Oct;43(1):7–25 (156 ref.)
Neglected topics in the treatment of chronic pain patients—relapse, noncompliance, and adherence enhancement. Turk DC, et al. **Pain** 1991 Jan;44(1):5–28 (154 ref.)
Applications of cyberphysiologic techniques in pain management. Erickson CJ. **Pediatr Ann** 1991 Mar; 20(3):145–6, 148–50, 152–6 (23 ref.)
Palliative care: a new reality in medicine. Ventafridda V.
Recent Results Cancer Res 1991;121:393–8 (24 ref.)
Cancer pain: pathogenesis, therapy, and assessment. Zimmermann M. **Recent Results Cancer Res** 1991;121:8–23 (97 ref.)
ASRA lecture 1988. The changing role of the anesthesiologist in pain management. Carron H. **Reg Anesth** 1989 Jan–Feb; 14(1):4–9 (33 ref.)
Cancer pain relief and palliative care. Report of a WHO Expert Committee. **WHO Tech Rep Ser** 1990;804:1–75 (122 ref.)
[Pain and cancer] Lossignol DA. **Rev Med Brux** 1991 Jun; 12(6):215–21 (19 ref.) (Eng. Abstr.) **(Fre)**
[The multidisciplinary outpatient pain clinic in relation to anesthesia. An important task for the anesthesiologist] Morawetz RF, et al. **Anaesthesist** 1990 Oct;39(10):456–62 (45 ref.) (Eng. Abstr.) **(Ger)**
[Perinatal pharmacology: alleviation of pain and narcosis] Brune K. **Klin Anasthesiol Intensivther** 1989;37:43–7 (6 ref.) **(Ger)**
[Possibilities of therapy in chronic pain conditions] Tschirner M, et al. **Z Arztl Fortbild (Jena)** 1991 Apr 10;85(7):301–3 (1 ref.) **(Ger)**
[Principles and organization of pain therapy] Wiegand K, et al. **Z Arztl Fortbild (Jena)** 1990;84(14):709–14 (33 ref.) **(Ger)**

PAIN ASSESSMENT see **PAIN MEASUREMENT**

PAIN, FACIAL see **FACIAL PAIN**

PAIN, INTRACTABLE

COMPLICATIONS

[Pain and depressive pathology] Vrăşti R.
Rev Med Interna Neurol Psihiatr Neurochir Dermatovenerol Neurol Psihiatr Neurochir 1989 Oct–Dec;34(4):241–50 (80 ref.) **(Rum)**

DRUG THERAPY

Intraventricular diamorphine via an Ommaya shunt for intractable cancer pain. Reeve WG, et al. **Br J Anaesth** 1990 Oct;65(4):544–7 (13 ref.)

PHYSIOPATHOLOGY

Neural pathways in chronic pain. Helme RD, et al.
Med J Aust 1990 Oct 1;153(7):400–6 (86 ref.)

PAIN MEASUREMENT

see related
SENSORY THRESHOLDS

Consciousness, coma, and the vegetative state: physical basis and definitional character. De Giorgio CM, et al.
Issues Law Med 1991 Spring;6(4):361–71 (76 ref.)
Can people who are unconscious or in the "vegetative state" perceive pain? McQuillen MP. **Issues Law Med** 1991 Spring;6(4):373–83 (76 ref.)
[Acute pain in children and its treatment] Dalens B.
Ann Fr Anesth Reanim 1991;10(1):38–61 (200 ref.) (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

[The course and topography of pain in generalized tendomyopathies] Brückle W, et al. **Z Rheumatol** 1991;50 Suppl 1:19–28 (36 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Pain perception in the neonate: implications for circumcision. Myron AV, et al. **J Prof Nurs** 1991 May-Jun;7(3):188-93; discussion 194-5 (37 ref.)

[Problems posed by the evaluation of pain and its psychological aspects] Boureau F, et al. **Neurophysiol Clin** 1990 Nov;20(5):357-68 (45 ref.) (Eng. Abstr.) **(Fre)**

[Clinical exploration of nociception with the use of reflexologic techniques] Willer JC. **Neurophysiol Clin** 1990 Nov;20(5):335-56 (28 ref.) (Eng. Abstr.) **(Fre)**

[Is early differentiation of psychogenic from organic pain patients possible? Review of the literature and results of a screening study] Egle UT, et al. **Nervenarzt** 1991 Mar; 62(3):148-57 (62 ref.) **(Ger)**

[Disorders of pain perception in schizophrenia] Jakubaschk J, et al. **Schweiz Arch Neurol Psychiatr** 1991;142(1):55-76 (50 ref.) (Eng. Abstr.) **(Ger)**

PAIN, POSTOPERATIVE

DRUG THERAPY

Non-steroidal anti-inflammatory drugs: rationale for use in severe postoperative pain. Dahl JB, et al. **Br J Anaesth** 1991 Jun;66(6):703-12 (79 ref.)

Ketorolac tromethamine. Jay GT. **Conn Med** 1991 May; 55(5):288-90 (21 ref.)

Epidural narcotics for postoperative pain: nursing implications. McNair ND. **J Neurosci Nurs** 1990 Oct; 22(5):275-9 (20 ref.)

Acute pain and substance abuse in surgical patients. Tucker C. **J Neurosci Nurs** 1990 Dec;22(6):339-49 (32 ref.)

Etodolac: analgesic effects in musculoskeletal and postoperative pain. Pena M. **Rheumatol Int** 1990;10 Suppl:9-16 (18 ref.)

[Treatment of interpleural pain] Ahlburg P, et al. **Ugeskr Laeger** 1990 Sep 10;152(37):2632-4 (21 ref.) (Eng. Abstr.) **(Dan)**

[Treatment of postoperative pain] Dahl JB, et al. **Ugeskr Laeger** 1990 Nov 12;152(46):3438-44 (30 ref.) (Eng. Abstr.) **(Dan)**

[Treatment of postoperative pain in children] Arvieux CC, et al. **Pediatrie** 1990;45(9):565-9 (21 ref.) (Eng. Abstr.) **(Fre)**

[Piroxicam in analgesia] Eandi M, et al. **Clin Ter** 1991 Jan 31;136(2):107-35 (52 ref.) (Eng. Abstr.) **(Ita)**

[Spinal and intrapleural techniques in postoperative analgesia] Mangione S, et al. **Minerva Anestesiol** 1990 Jul-Aug; 56(7-8):353-7 (18 ref.) **(Ita)**

[Nonsteroidal anti-inflammatory drugs (NSAID) in the treatment of postoperative pain] Novelli GP, et al. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):345-7 (7 ref.) **(Ita)**

[The rational basis of patient-controlled analgesia] Savoia G. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):349-52 (7 ref.) **(Ita)**

[Postoperative pain in obstetrics] Varrassi G, et al. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):365-7 (16 ref.) **(Ita)**

PHYSIOPATHOLOGY

[Physiopathology of postoperative pain] Bellucci G. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):341-4 (0 ref.) **(Ita)**

[Postoperative pain] Novelli GP. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):335-7 (7 ref.) **(Ita)**

PREVENTION & CONTROL

Spinal opioids in the management of postoperative pain. Rubin AP. **Can Anesthesiol** 1991;39(2):105-10 (65 ref.)

[Non-analgesic effects of opioids] Eledjam JJ, et al. **Can Anesthesiol** 1991;39(2):111-4 (41 ref.) (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Pain, anxiety and powerlessness. Walding MF. **J Adv Nurs** 1991 Apr;16(4):388-97 (84 ref.)

THERAPY

Pain relief after thoracotomy. Conacher ID. **Br J Anaesth** 1990 Dec;65(6):806-12 (40 ref.)

Regional techniques for postoperative analgesia. Powell H, et al. **Br J Hosp Med** 1991 Mar;45(3):173-5 (19 ref.)

Update on postoperative pain management. Kreitzer JM, et al. **Mt Sinai J Med** 1991 May;58(3):240-6 (64 ref.)

Sedation, pain relief, and neuromuscular blockade in the postoperative cardiac surgical patient. Coyle JP. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):81-7 (38 ref.)

[Non-pharmacologic techniques for treatment of postoperative pain] Santamaria LB. **Minerva Anestesiol** 1990 Jul-Aug;56(7-8):359-63 (41 ref.) **(Ita)**

PAIN RECEPTORS see **NOCICEPTORS**

PAINT

POISONING

[Acute poisoning caused by wood preservatives from the viewpoint of the Berlin (East) Central Toxicologic Information service] Liebenow H, et al. **Z Arztl Fortbild (Jena)** 1991 Apr 25;85(8):385-8 (12 ref.) **(Ger)**

PALATAL MUSCLES

PHYSIOPATHOLOGY

Palatal myoclonus and tinnitus in children. Fox GN, et al. **West J Med** 1991 Jan;154(1):98-102 (24 ref.)

PALATAL NEOPLASMS

Epipalatus: a rare intraoral teratoma. Sciubba JJ, et al. **Oral Surg Oral Med Oral Pathol** 1991 Apr;71(4):476-81 (41 ref.)

DIAGNOSIS

[A case of a blue nevus of the palate] Ferrara G, et al. **Minerva Stomatol** 1990 Oct;39(10):845-7 (20 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

Primary epithelioid sarcoma of the hard palate. A case report. Jameson CF, et al. **Int J Oral Maxillofac Surg** 1990 Aug; 19(4):240-2 (24 ref.)

[Adult type rhabdomyoma of the soft palate: pathology of 2 cases with review of the medical literature] Vuong PN, et al. **Arch Anat Cytol Pathol** 1990;38(4):152-8 (47 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Carcinoma of the soft palate and uvula. Jamerson RE, et al. **J La State Med Soc** 1991 Feb;143(2):7-9 (7 ref.)

PALATE

PATHOLOGY

Intra-oral keratoacanthoma: an eruptive variant and review of the literature. Habel G, et al. **Br Dent J** 1991 May 11; 170(9):336-9 (23 ref.)

SURGERY

[Obstructive sleep apnea treated with uvulo-palato-pharyngoplasty] Ovesen JO, et al. **Ugeskr Laeger** 1991 Mar 11;153(11):772-5 (27 ref.) (Eng. Abstr.) **(Dan)**

PALATE, SOFT

Spasmodic dysphonia associated with palatal myoclonus. Doody RS, et al. **Ear Nose Throat J** 1990 Dec; 69(12):829-32 (26 ref.)

[Oculo-palatal myoclonus and multiple sclerosis] Revol A, et al. **Rev Neurol (Paris)** 1990;146(8-9):518-21 (25 ref.) (Eng. Abstr.) **(Fre)**

INJURIES

Internal carotid artery thrombosis following penetrating trauma of the soft palate: an injury of youth. Higgins GL 3d, et al. **J Fam Pract** 1991 Mar;32(3):316, 319-22 (43 ref.)

PATHOLOGY

[Adult type rhabdomyoma of the soft palate: pathology of 2 cases with review of the medical literature] Vuong PN, et al. **Arch Anat Cytol Pathol** 1990;38(4):152-8 (47 ref.) (Eng. Abstr.) **(Fre)**

PALATOPHARYNGEAL INCOMPETENCE see **VELOPHARYNGEAL INSUFFICIENCY**

PALEONTOLOGY

Paleozoic Foraminifera. Ross CA, et al. **Biosystems** 1991; 25(1-2):39-51 (17 ref.)

METHODS

A model for diurnal patterns of carbon fixation in a Precambrian microbial mat based on a modern analog. Rothschild LJ. **Biosystems** 1991;25(1-2):13-23 (21 ref.)

PALEOPATHOLOGY

The paleopathology of the liver. Zimmerman MR. **Ann Clin Lab Sci** 1990 Sep-Oct;20(5):301-6 (15 ref.)

PALLADIUM

CHEMISTRY

Palladium alloys in prosthodontics: selected aspects. Böning K, et al. **Int Dent J** 1990 Oct;40(5):289-97 (12 ref.)

PALLIATIVE TREATMENT

Surgical palliation of spinal oncologic disease: a review and analysis of current approaches. Bednar DA, et al. **Can J Surg** 1991 Apr;34(2):129-31 (12 ref.)

Palliative care--the fourth phase of cancer prevention. MacDonald N. **Cancer Detect Prev** 1991;15(3):253-5 (8 ref.)

Supportive care in patients with cancer: quality of life and ethical issues. Feld R. **Curr Opin Oncol** 1990 Oct;2(5):924-8 (6 ref.)

Palliation of malignant esophageal obstruction. Boyce GA. **Dysphagia** 1990;5(4):220-6 (40 ref.)

Palliative radiotherapy. Awan AM, et al. **Hematol Oncol Clin North Am** 1990 Dec;4(6):1169-81 (34 ref.)

Chemotherapy for stage IV non-small cell lung cancer. Bitran JD, et al. **Hematol Oncol Clin North Am** 1990 Dec; 4(6):1159-68 (49 ref.)

Supportive care of the lung cancer patients. Gradishar WJ, et al. **Hematol Oncol Clin North Am** 1990 Dec;4(6):1183-99 (59 ref.)

The influence of national attitudes on the use of radiotherapy in advanced and metastatic cancer, with particular reference to differences between the United Kingdom and the United States of America: implications for future studies. Maher EJ. **Int J Radiat Oncol Biol Phys** 1991 Jun; 20(6):1369-73 (17 ref.)

Burring technique in modern podiatric palliative care. Master G, et al. **J Am Podiatr Med Assoc** 1990 Dec;80(12):649-52 (9 ref.)

Liver transplant for metastatic neuroendocrine tumor. Alsina AE, et al. **J Clin Gastroenterol** 1990 Oct;12(5):533-7 (19 ref.)

Current status of quality of life measurement in lung cancer patients. Hopwood P, et al. **Oncology (Williston Park)** 1991 May;5(5):159-166; discussion 166, 169, 173 (56 ref.)

Non oat cell lung carcinoma: is there a role for combined brachytherapy and external radiotherapy? Trodella L, et al. **Rays** 1991 Jan-Mar;16(1):64-70 (19 ref.) **(Eng, Ita)**

Cure and care: interaction between cancer centers and palliative care units. MacDonald N. **Recent Results Cancer Res** 1991;121:399-407 (12 ref.)

Palliative care: a new reality in medicine. Ventafridda V. **Recent Results Cancer Res** 1991;121:393-8 (24 ref.)

[Palliative treatment of patients in terminal phase. Experience at the Unité de Soins Palliatifs of the Hôpital International de l'Université de Paris] Michard P, et al. **Ann Med Interne (Paris)** 1990;141(4):313-8 (41 ref.) (Eng. Abstr.) **(Fre)**

[Enteral feeding in oncology] Richter G, et al. **Infusionstherapie** 1990 Dec;17(6):291-9 (70 ref.) (Eng. Abstr.) **(Ger)**

[Palliative surgical treatment of cancer of the esophagus] Müller JM, et al. **Med Klin** 1991 Jan 15;86(1):24-31 (35 ref.) (Eng. Abstr.) **(Ger)**

[Palliative radiation therapy] Bleher EA. **Schweiz Med Wochenschr** 1991 Aug 6;121(31-32):1111-9 (69 ref.) (Eng. Abstr.) **(Ger)**

[Palliative therapy in cancer. 6. Quality of life and BRM therapy in cancer-patients] Urushizaki I. **Gan To Kagaku Ryoho** 1990 Oct;17(10):2119-29 (29 ref.) (Eng. Abstr.) **(Jpn)**

[Palliative treatment of malignant neoplasms of the upper aerodigestive tract] Vallés H, et al. **Acta Otorrinolaringol Esp** 1990 Sep-Oct;41(5):285-91 (14 ref.) (Eng. Abstr.) **(Spa)**

METHODS

Palliative laser therapy for tumours of the gastrointestinal tract. Krasner N. **Baillieres Clin Gastroenterol** 1991 Mar; 5(1):37-59 (109 ref.)

Role of interstitial therapy in the treatment of liver cancer. Masters A, et al. **Br J Surg** 1991 May;78(5):518-23 (52 ref.)

Arterial embolization in the management of liver metastases. Allison DJ, et al. **Cardiovasc Intervent Radiol** 1990 Jun-Jul; 13(3):161-8 (24 ref.)

Bone metastases: pathophysiology and management policy. Nielsen OS, et al. **J Clin Oncol** 1991 Mar;9(3):509-24 (136 ref.)

Pain control. Doyle D. **Practitioner** 1990 Mar 22; 234(1485):283-5 (0 ref.)

Modified Blalock-Taussig shunts in the treatment of tetralogy of Fallot. Rosenkranz ER. **Semin Thorac Cardiovasc Surg** 1990 Jan;2(1):27-33 (70 ref.)

Pregnancy after Fontan repair of tricuspid atresia. Hess DB, et al. **South Med J** 1991 Apr;84(4):532-4 (4 ref.)

Endoscopic palliation of tracheobronchial malignancies. Hetzel MR, et al. **Thorax** 1991 May;46(5):325-33 (77 ref.)

Cancer pain relief and palliative care. Report of a WHO Expert Committee. **WHO Tech Rep Ser** 1990;804:1-75 (122 ref.)

[Carcinoma of the pancreas--the palliative therapeutic possibilities outside of a radical surgical operation] Rougier F, et al. **Khirurgiia (Sofiia)** 1991;44(2):69-75 (50 ref.) **(Bul)**

[Possibilities of therapy in chronic pain conditions] Tschirner M, et al. **Z Arztl Fortbild (Jena)** 1991 Apr 10;85(7):301-3 (1 ref.) **(Ger)**

[Internal biliary diversions in inoperable neoplasms of the biliary tract and pancreas] Giordano G, et al. **G Chir** 1991 Jan-Feb;12(1-2):9-15 (26 ref.) (Eng. Abstr.) **(Ita)**

STANDARDS

Indirectly intended life-shortening analgesia: clarifying the principles. Barry FR, et al. **Issues Law Med** 1990 Fall; 6(2):117-51 (133 ref.)

PALLOR

Pallor of the optic disc in children. Ouvrier RA. **Aust N Z J Ophthalmol** 1990 Nov;18(4):375–9 (14 ref.)

PALMITIC ACIDS

METABOLISM

Acylation and prenylation of proteins. Deschenes RJ, et al. **Curr Opin Cell Biol** 1990 Dec;2(6):1108–13 (21 ref.)

PALMOPLANTAR KERATODERMA see **KERATOSIS PALMARIS ET PLANTARIS**

PALMOPLANTARIS PUSTULOSIS see **PSORIASIS**

PALPATION

Magnetic resonance imaging vs palpation of cervical lymph node metastasis. van den Brekel MW, et al. **Arch Otolaryngol Head Neck Surg** 1991 Jun;117(6):663–73 (34 ref.)

Digital rectal examination in the early detection of prostate cancer. Gerber GS, et al. **Urol Clin North Am** 1990 Nov; 17(4):739–44 (27 ref.)

PALSY, PROGRESSIVE SUPRANUCLEAR see **SUPRANUCLEAR PALSY, PROGRESSIVE**

PAMPHLETS

Writing easily read patient education handouts: a computerized approach. Baker GC. **Semin Dermatol** 1991 Jun;10(2):102–6 (19 ref.)

The use of printed instruction sheets to enhance patient compliance. Katz LG. **Semin Dermatol** 1991 Jun;10(2):91–5 (5 ref.)

PAN see **CHIMPANSEE TROGLODYTES**

PANAX see **GINSENG**

PANCOAST'S SYNDROME

PATHOLOGY

Small cell lung cancer presenting as a Pancoast tumor. Lands RH, et al. **J Tenn Med Assoc** 1991 Mar;84(3):113–4 (12 ref.)

RADIOTHERAPY

Pancoast tumor: radiation therapy alone versus preoperative radiation therapy and surgery. Neal CR, et al. **Int J Radiat Oncol Biol Phys** 1991 Aug;21(3):651–60 (40 ref.)

PANCREAS

Is there a possibility of a bioartificial pancreas? Reach G. **Biomater Artif Cells Artif Organs** 1990;18(4):483–90 (32 ref.)

[The heterotopic pancreas in children. Apropos of 4 new cases] Anagnostopoulos D, et al. **Chir Pediatr** 1990; 31(3):164–6 (32 ref.) (Eng. Abstr.) **(Fre)**

ABNORMALITIES

Annular pancreas as a cause of extrahepatic biliary obstruction. Baggott BB, et al. **Am J Gastroenterol** 1991 Feb;86(2):224–6 (9 ref.)

BLOOD SUPPLY

Pancreaticoduodenal artery aneurysms associated with celiac axis stenosis: report of two cases and review of the literature. Quandalle P, et al. **Ann Vasc Surg** 1990 Nov; 4(6):540–5 (32 ref.)

Pancreatic ischaemia in experimental acute pancreatitis: mechanism, significance and therapy. Klar E, et al. **Br J Surg** 1990 Nov;77(11):1205–10 (101 ref.)

Pancreatic arteriovenous malformation treated by transcatheter embolization: report of a case with hepatocellular carcinoma. Kato T, et al. **Radiat Med** 1991 Jan–Feb;9(1):19–21 (14 ref.)

CYTOLOGY

Trophic effects of gastrin and cholecystokinin. Håkanson R, et al. **Z Gastroenterol Verh** 1991 Mar;26:265–9 (74 ref.)

DRUG EFFECTS

Residue trypsin inhibitor: data needs for risk assessment. Hathcock JN. **Adv Exp Med Biol** 1991;289:273–9 (33 ref.)

Effects of somatostatin on the exocrine pancreas. Layer P, et al. **Scand J Gastroenterol** 1991 Feb;26(2):129–36 (90 ref.)

[Effect of somatostatin analogue on experimental pancreatic lesions and their sequelae] Tulassay Z, et al. **Orv Hetil** 1991 Jul 28;132(30):1631–8 (31 ref.) (Eng. Abstr.) **(Hun)**

EMBRYOLOGY

Ontogenesis of human fetal pancreas in use for transplantation. Hahn von Dorsche H, et al. **Horm Metab Res Suppl** 1990;25:227–33 (30 ref.)

ENZYMOLOGY

Probing the mechanism of pancreatic phospholipase A2 with the aid of recombinant DNA techniques. Kuipers OP, et al. **Adv Exp Med Biol** 1990;279:65–84 (55 ref.)

Phospholipase A2 at the bilayer interface. Ramirez F, et al. **Proteins** 1991;9(4):229–39 (42 ref.)

[Clinical and pharmacological aspects of pancreatic enzyme substitution therapy] Löser C, et al. **Leber Magen Darm** 1991 Mar;21(2):56, 59–62, 65 (39 ref.) (Eng. Abstr.) **(Ger)**

[Pancreatic lipase] Hayashi Y. **Rinsho Byori** 1991 May; 39(5):451–60 (14 ref.) (Eng. Abstr.) **(Jpn)**

GROWTH & DEVELOPMENT

Polyamines in pancreatic growth. Fölsch UR, et al. **Digestion** 1990;46 Suppl 2:345–51 (19 ref.)

Direct vs. indirect effects of bombesin on pancreatic growth. Liehr RM, et al. **Digestion** 1990;46 Suppl 2:202–7 (24 ref.)

[Inhibition of pancreatic growth by exogenous and endogenous factors] Niederau C. **Z Gastroenterol Verh** 1991 Mar;26:301–4 (37 ref.) **(Ger)**

INJURIES

Shock wave–induced pancreatic trauma. Mullen KD, et al. **Am J Gastroenterol** 1991 May;86(5):630–2 (15 ref.)

Pancreatic injuries. Diagnosis, treatment. Jones WG II, et al. **AORN J** 1991 Apr;53(4):917–8, 920–1, 924–33 (43 ref.)

Whipple procedure for trauma: is duct ligation a safe alternative to pancreaticojejunostomy? Gentilello LM, et al. **J Trauma** 1991 May;31(5):661–7; discussion 667–8 (60 ref.)

INNERVATION

[Central nervous system regulation of exocrine pancreas secretion] Singer MV. **Z Gastroenterol Verh** 1991 Mar; 26:241–3 (34 ref.) **(Ger)**

METABOLISM

Glutamine: a key substrate for the splanchnic bed. Souba WW. **Annu Rev Nutr** 1991;11:285–308 (99 ref.)

Glutathione metabolism in the pancreas compared with that in the liver, kidney, and small intestine. Githens S. **Int J Pancreatol** 1991 Feb;8(2):97–109 (70 ref.)

Secretory pathways in animal cells: with emphasis on pancreatic acinar cells. Beaudoin AR, et al. **J Electron Microsc Tech** 1991 Jan;17(1):51–69 (142 ref.)

Progastrin in pancreas and the Zollinger–Ellison syndrome. Bardram L. **Scand J Gastroenterol** 1990 Dec;25(12):1185–95 (116 ref.)

PATHOLOGY

Objectification of the severity of acute pancreatitis. Büchler M. **Hepatogastroenterology** 1991 Apr;38(2):101–8 (38 ref.)

Pancreatic necrosis and infection—an update on management. D'Egidio A. **S Afr J Surg** 1991 Jun;29(2):37–8 (24 ref.)

[Chronic pancreatitis. 1. Classification, etiology and pathomorphology] Wermke W. **Z Arztl Fortbild (Jena)** 1990;84(19):977–9 (0 ref.) **(Ger)**

[Influence of gastrointestinal factors on adaptation of the pancreas—animal experiment studies] Malfertheiner P, et al. **Z Gastroenterol Verh** 1991 Mar;26:47–9 (38 ref.) **(Ger)**

PHYSIOLOGY

Receptor-activated cytoplasmic Ca2+ oscillations in pancreatic acinar cells: generation and spreading of Ca2+ signals. Petersen OH, et al. **Cell Calcium** 1991 Feb–Mar; 12(2–3):135–44 (44 ref.)

Interruption of the entero-pancreatic axis: effects of induced malabsorption. Caspary WF. **Eur J Clin Invest** 1990 Oct; 20 Suppl 1:S58–64 (31 ref.)

Perspectives of CCK antagonists in pancreatic research and clinical use. Part I. Rovati LC. **Int J Pancreatol** 1991 Apr; 8(3):215–26 (95 ref.)

Pancreatic glucagon signals postprandial satiety. Geary N. **Neurosci Biobehav Rev** 1990 Fall;14(3):323–38 (213 ref.)

RADIOGRAPHY

Angio-CT: diagnosis and detection of complications of acute pancreatitis. Freeny PC. **Hepatogastroenterology** 1991 Apr; 38(2):109–15 (22 ref.)

SECRETION

Nonparallel transport and mechanisms of secretion. Rothman S, et al. **Biochim Biophys Acta** 1991 Jul 22;1071(2):159–73 (99 ref.)

Hormones as regulators of pancreatic secretion in man. Adler G, et al. **Eur J Clin Invest** 1990 Oct;20 Suppl 1:S27–32 (40 ref.)

Feedback regulation of pancreatic exocrine secretion in animal and man. Fölsch UR. **Eur J Clin Invest** 1990 Oct; 20 Suppl 1:S40–4 (38 ref.)

Neuronal control of pancreatic exocrine secretion. Holst JJ. **Eur J Clin Invest** 1990 Oct;20 Suppl 1:S33–9 (54 ref.)

Role of bile acids in the control of pancreatic secretion and CCK release. Koop I. **Eur J Clin Invest** 1990 Oct;20 Suppl 1:S51–7 (55 ref.)

[Mechanisms of postprandial stimulation of gastrointestinal motility and pancreatic secretion] Katschinski M, et al. **Z Gastroenterol** 1991 Apr;29 Suppl 3:13–7 (52 ref.) **(Ger)**

[The self-regulation of pancreatic secretion] Korot'ko GF. **Fiziol Zh SSSR** 1990 Oct;76(10):1426–31 (20 ref.) (Eng. Abstr.) **(Rus)**

SURGERY

Surgical strategies in the treatment of pancreatic necrosis and infection. D'Egidio A, et al. **Br J Surg** 1991 Feb; 78(2):133–7 (54 ref.)

Operative management of necrotizing pancreatitis—necrosectomy and continuous closed postoperative lavage of the lesser sac. Beger HG. **Hepatogastroenterology** 1991 Apr;38(2):129–33 (29 ref.)

[Operative endoscopy and ultrasonography in the treatment of pancreatic diseases] Rugula J, et al. **Pol Arch Med Wewn** 1990 Apr–Jun;83(4–6):200–7 (38 ref.) **(Pol)**

PANCREAS, ARTIFICIAL ENDOCRINE see **INSULIN INFUSION SYSTEMS**

PANCREAS, ENDOCRINE see **ISLETS OF LANGERHANS**

PANCREAS TRANSPLANTATION

Pancreas and islet cell transplantation for type I diabetes mellitus: does it have a role for children? Allen DB, et al. **Adv Pediatr** 1990;37:391–412 (95 ref.)

Update of pancreatic transplantation. Ostman JI. **Ann Med** 1991 Apr;23(2):101–7 (27 ref.)

Pancreas transplantation: state of the art. Grundfest-Broniatowski S. **Cleve Clin J Med** 1990 Sep; 57(6):564–70 (66 ref.)

Pancreas transplantation. Sutherland DE, et al. **Crit Care Clin** 1990 Oct;6(4):947–53 (26 ref.)

Clinical review 25: Current status of pancreas transplantation. Sutherland DE. **J Clin Endocrinol Metab** 1991 Sep; 73(3):461–3 (24 ref.)

Pancreas transplantation. Experimental and clinical trials. Perciun R, et al. **Med Interne** 1990 Apr–Jun;28(2):91–101 (61 ref.)

Can insulin-dependent diabetes mellitus be cured or prevented? A status report on immunomodulatory strategies and pancreas transplantation. Drash AL, et al. **Pediatr Clin North Am** 1990 Dec;37(6):1467–87 (110 ref.)

Pancreas transplantation for the treatment of diabetes. Schulak JA, et al. **Perspect Pediatr Pathol** 1991;14:94–121 (94 ref.)

Status report on pancreas transplantation. Corry RJ. **Transplant Proc** 1991 Aug;23(4):2091–4 (15 ref.)

Why is the pancreas special? Groth CG, et al. **Transplant Proc** 1991 Aug;23(4):2183–5 (14 ref.)

[Pancreas and pancreatic islets grafts in humans] Timsit J, et al. **Presse Med** 1991 Aug 31–Sep 7;20(27):1281–6 (34 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Pancreas transplantation. Tydén G. **Curr Opin Immunol** 1989–90;2(6):842–6 (30 ref.)

METHODS

[Pancreatic transplantation in man] Pozza G, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:67–80 (68 ref.) **(Fre)**

PANCREASE see **PANCREATIN**

PANCREATECTOMY

Pylorus preserving pancreatoduodenectomy: an overview. Grace PA, et al. **Br J Surg** 1990 Sep;77(9):968–74 (76 ref.)

ADVERSE EFFECTS

Arterial hemorrhage after pancreatoduodenectomy. The 'sentinel bleed'. Brodsky JT, et al. **Arch Surg** 1991 Aug; 126(8):1037–40 (14 ref.)

METHODS

Pylorus-preserving pancreatoduodenectomy—technical aspects. Braasch JW, et al. **Langenbecks Arch Chir** 1991; 376(1):50–8 (62 ref.)

[Telescopic pancreatico-jejunostomy after duodeno-cephalopancreatectomy. Original proposal for reconstruction using an interposed loop] Carboni M, et al. **G Chir** 1988 Oct;9(10):715–8 (7 ref.) **(Ita)**

[Chronic pancreatitis: surgical treatment] Lemma F, et al. **G Chir** 1988 Feb;9(2):127–34 (16 ref.) (Eng. Abstr.) **(Ita)**

[Management of the residual pancreatic stump after duodeno-cephalopancreatectomy] Ribotta G, et al. **G Chir** 1988 Oct; 9(10):731–3 (15 ref.) **(Ita)**

PANCREATIC ALPHA CELLS see **ISLETS OF LANGERHANS**

PANCREATIC BETA CELLS see **ISLETS OF LANGERHANS**

PANCREATIC CHOLERA see **DIARRHEOGENIC TUMOR**

PANCREATIC CYST

EPIDEMIOLOGY

Solid and cystic tumor of the pancreas [letter] Matsumoto K, et al. **J Clin Gastroenterol** 1991 Apr;13(2):240–1 (4 ref.)

PATHOLOGY

Papillary cystic neoplasm of the pancreas. Two cases treated by surgery. Fernández del Castillo C, et al. **Rev Invest Clin** 1990 Jul–Sep;42(3):217–21 (27 ref.)

[Papillary—cystic tumor of the pancreas. Apropos of 1 case with histological, immunohistochemistry and ultrastructural study] Rouquette I, et al. **Arch Anat Cytol Pathol** 1991;39(1–2):38–41 (15 ref.) (Eng. Abstr.) **(Fre)**

PANCREATIC CYSTIC FIBROSIS see **CYSTIC FIBROSIS**

PANCREATIC DELTA CELLS see **ISLETS OF LANGERHANS**

PANCREATIC DISEASES

see related
HYPERINSULINISM

Pancreatic stones. Pitchumoni CS, et al. **Gastroenterol Clin North Am** 1990 Dec;19(4):873–93 (109 ref.)

Disorders of the pancreas in children. Roberts IM. **Gastroenterol Clin North Am** 1990 Dec;19(4):963–73 (95 ref.)

DIAGNOSIS

Endoscopic management of pancreatic disease. Geenen JE, et al. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):155–82 (98 ref.)

Advances in the enzyme diagnosis of pancreatic diseases. Schmidt E, et al. **Clin Biochem** 1990 Oct;23(5):383–94 (107 ref.)

[Endoscopic pancreatography] Morán MA, et al. **Rev Gastroenterol Mex** 1990 Jul–Sep;55(3):159–64 (13 ref.) (Eng. Abstr.) **(Spa)**

[Selective cannulation of Vater's ampulla] Ornelas Vázquez R. **Rev Gastroenterol Mex** 1990 Jul–Sep;55(3):153–8 (50 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Perspectives of CCK antagonists in pancreatic research and clinical use. Part I. Rovati LC. **Int J Pancreatol** 1991 Apr; 8(3):215–26 (95 ref.)

Dissolution of pancreatic stones. Noda A. **Trop Gastroenterol** 1990 Apr–Jun;11(2):76–86 (18 ref.)

[Possibilities of application of octreotide in surgery. 1)Treatment of gastrointestinal fistulas; 2)Prevention of complications in pancreatic surgery] Büchler M, et al. **Z Gastroenterol** 1990 Sep;28 Suppl 2:41–4 (60 ref.) **(Ger)**

ETIOLOGY

Shock wave–induced pancreatic trauma. Mullen KD, et al. **Am J Gastroenterol** 1991 May;86(5):630–2 (15 ref.)

Pancreatic involvement in human immunodeficiency virus infection. Bonacini M. **J Clin Gastroenterol** 1991 Feb; 13(1):58–64 (74 ref.)

METABOLISM

Clinical evaluation of cathodic trypsin–like immunoreactivity in pancreatic diseases in adults. Møller–Petersen J. **Scand J Clin Lab Invest** 1990 Sep;50(5):463–77 (56 ref.)

PATHOLOGY

Localized necrotizing arteritis. A report of two cases involving the gallbladder and pancreas. Ito M, et al. **Arch Pathol Lab Med** 1991 Aug;115(8):780–3 (33 ref.)

Percutaneous biopsy of pancreatic lesions. Neuerburg J, et al. **Cardiovasc Intervent Radiol** 1991 Jan–Feb;14(1):43–9 (71 ref.)

RADIOGRAPHY

Radiology of the pancreas. Freeny PC. **Curr Opin Radiol** 1991 Jun;3(3):440–52 (64 ref.)

SURGERY

Can markers for pancreatic necrosis be used as indicators for surgery? Ferguson CM, et al. **Am J Surg** 1990 Nov; 160(5):459–61 (10 ref.)

Comprehensive management of acute necrotizing pancreatitis and pancreatic abscess. Stanten R, et al. **Arch Surg** 1990 Oct;125(10):1269–74; discussion 1274–5 (35 ref.)

Endoscopic management of pancreatic disorders. Irani SK. **Gastroenterol Clin North Am** 1990 Dec;19(4):975–97 (111 ref.)

Recent advances in pancreatic disease. Carter DC. **J R Coll Surg Edinb** 1991 Apr;36(2):75–6 (16 ref.)

[Operative endoscopy and ultrasonography in the treatment of pancreatic diseases] Rugula J, et al. **Pol Arch Med Wewn** 1990 Apr–Jun;83(4–6):200–7 (38 ref.) **(Pol)**

THERAPY

Current management of pancreatic abscess. Bradley EL 3d, et al. **Adv Surg** 1991;24:361–88 (106 ref.)

Endoscopic nasobiliary catheter drainage in biliary and pancreatic disease. Leung JW, et al. **Am J Gastroenterol** 1991 Apr;86(4):389–94 (32 ref.)

Endoscopic management of pancreatic disease. Geenen JE, et al. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):155–82 (98 ref.)

Fragmentation of pancreatic stones by extracorporeal shock wave lithotripsy. Neuhaus H. **Endoscopy** 1991 May; 23(3):161–5 (24 ref.)

Laser fragmentation of pancreatic stones. Renner IG. **Endoscopy** 1991 May;23(3):166–70 (36 ref.)

Endoscopic management of pancreatic disorders: potential risks of pancreatic prostheses. Siegel J, et al. **Endoscopy** 1991 May;23(3):177–80 (15 ref.)

The cause and management of the pain of chronic pancreatitis. Karanjia ND, et al. **Gastroenterol Clin North Am** 1990 Dec;19(4):895–904 (39 ref.)

Application of urologic techniques to nonurinary calculi. Wolf JS Jr, et al. **Urology** 1990 Nov;36(5):383–9 (42 ref.)

PANCREATIC DUCTS

ABNORMALITIES

Multiple carcinomata associated with anomalous arrangement of the biliary and pancreatic duct system. A report of two cases with a literature survey. Morohoshi T, et al. **Acta Pathol Jpn** 1990 Oct;40(10):755–63 (31 ref.)

Pancreaticobiliary ductal union. Misra SP, et al. **Gut** 1990 Oct;31(10):1144–9 (76 ref.)

Choledochal cyst: anomalous arrangement of the pancreaticobiliary ductal system and biliary malignancy. Komi N, et al. **J Gastroenterol Hepatol** 1989 Jan–Feb; 4(1):63–74 (102 ref.)

Intrahepatic cholestasis with gallstones in two siblings: a new hepatobiliary syndrome in association with anomalous arrangement of pancreaticobiliary ducts. Takehara H, et al. **Tokushima J Exp Med** 1990 Dec;37(3–4):121–9 (40 ref.)

[Extrahepatic biliary tract atresia and a common biliopancreatic canal. Review of the literature apropos of a case] Vergnes P, et al. **Chir Pediatr** 1990;31(2):73–8 (32 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Experimental evidence of beneficial effects of ductal decompression in chronic pancreatitis. Widdison AL, et al. **Endoscopy** 1991 May;23(3):151–4 (51 ref.)

SURGERY

Whipple procedure for trauma: is duct ligation a safe alternative to pancreaticojejunostomy? Gentilello LM, et al. **J Trauma** 1991 May;31(5):661–7; discussion 667–8 (60 ref.)

[Chronic pancreatitis: surgical treatment] Lemma F, et al. **G Chir** 1988 Feb;9(2):127–34 (16 ref.) (Eng. Abstr.) **(Ita)**

[Management of the residual pancreatic stump after duodeno-cephalopancreatectomy] Ribotta G, et al. **G Chir** 1988 Oct; 9(10):731–3 (15 ref.) **(Ita)**

PANCREATIC ELASTASE see **PANCREATOPEPTIDASE**

PANCREATIC EXTRACTS

ADMINISTRATION & DOSAGE

[Enzyme therapy in the early stage of chronic pancreatitis?] Layer P. **Z Gastroenterol Verh** 1991 Mar;26:69–71 (19 ref.) **(Ger)**

PANCREATIC FISTULA

COMPLICATIONS

Pancreaticobronchial fistula causing lung abscess: case report and brief discussion of the literature. Misare BD, et al. **Surgery** 1991 Sep;110(3):549–51 (17 ref.)

RADIOGRAPHY

Pancreaticopleural fistula. Report of 7 patients and review of the literature. Rockey DC, et al. **Medicine (Baltimore)** 1990 Nov;69(6):332–44 (128 ref.)

PANCREATIC FUNCTION TESTS

METHODS

[Functional pancreatic studies in the diagnosis and treatment of chronic pancreatitis] Moreau J, et al. **Acta Gastroenterol Belg** 1989 Sep–Dec;52(5–6):467–83 (61 ref.) (Eng. Abstr.) **(Fre)**

[Diagnostic standards in chronic pancreatitis. Exocrine pancreatic function tests] Lankisch PG. **Z Gastroenterol Verh** 1991 Mar;26:58–61 (34 ref.) **(Ger)**

STANDARDS

[Standards of laboratory diagnosis of acute pancreatitis] Malfertheiner P. **Z Gastroenterol Verh** 1991 Mar;26:304–6 (25 ref.) **(Ger)**

PANCREATIC HORMONES

PHYSIOLOGY

Pancreastatin—a novel regulatory peptide? Schmidt WE, et al. **Acta Oncol** 1991;30(4):441–9 (83 ref.)

[Role of pancreatic peptides—neuropeptide Y, polypeptide YY and neurotensin, vasoactive intestinal peptide, and substance P in the body] Baranowska B. **Pol Tyg Lek** 1990 Feb 19–26;45(8–9):185–8 (62 ref.) **(Pol)**

PANCREATIC INSUFFICIENCY

COMPLICATIONS

Malabsorption of vitamin B12 in pancreatic insufficiency of the adult and of the child. Guéant JL, et al. **Pancreas** 1990 Sep;5(5):559–67 (88 ref.)

DIAGNOSIS

[Diagnostic standards in chronic pancreatitis. Exocrine pancreatic function tests] Lankisch PG. **Z Gastroenterol Verh** 1991 Mar;26:58–61 (34 ref.) **(Ger)**

DRUG THERAPY

[Clinical and pharmacological aspects of pancreatic enzyme substitution therapy] Löser C, et al. **Leber Magen Darm** 1991 Mar;21(2):56, 59–62, 65 (39 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

[Enzyme therapy in the early stage of chronic pancreatitis?] Layer P. **Z Gastroenterol Verh** 1991 Mar;26:69–71 (19 ref.) **(Ger)**

PANCREATIC ISLETS TRANSPLANTATION see **ISLETS OF LANGERHANS TRANSPLANTATION**

PANCREATIC JUICE

see related
CHYMOTRYPSIN
TRYPSIN

PHYSIOLOGY

Biologically active peptides in the gastrointestinal lumen. Rao RK. **Life Sci** 1991;48(18):1685–704 (153 ref.)

PANCREATIC NEOPLASMS

Recent advances in carcinoids and gastrointestinal neuroendocrine tumors. Basser RL, et al. **Curr Opin Oncol** 1991 Feb;3(1):109–20 (117 ref.)

Microcystic adenoma of the pancreas: report on four cases and review of the literature. Padovani B, et al. **Gastrointest Radiol** 1991 Winter;16(1):62–6 (28 ref.)

Lymphangioma of the pancreas. Ng IO, et al. **J Gastroenterol Hepatol** 1989 May–Jun;4(3):299–302 (21 ref.)

Solid and papillary epithelial neoplasm of the pancreas. Eason JD, et al. **South Med J** 1991 Feb;84(2):247–9 (17 ref.)

[Neuroendocrine tumors of the pancreas and gastrointestinal tract] Höring E, et al. **Dtsch Med Wochenschr** 1991 Aug 2;116(31–32):1197–202 (35 ref.) **(Ger)**

[Somatostatinoma] Reggio D, et al. **G Chir** 1988 Nov; 9(11):805–8 (46 ref.) (Eng. Abstr.) **(Ita)**

BLOOD

Peptide hormones as tumor markers in neuroendocrine gastrointestinal tumors. Eriksson B, et al. **Acta Oncol** 1991; 30(4):477–83 (30 ref.)

Serum diagnostic tests for pancreatic cancer. Rhodes JM, et al. **Baillieres Clin Gastroenterol** 1990 Dec;4(4):833–52 (115 ref.)

Serum tumor markers for pancreatic carcinoma. Fritsche HA Jr, et al. **Immunol Ser** 1990;53:289–96 (53 ref.)

CHEMICALLY INDUCED

Modification of tumor development in the pancreas. Pour PM. **Prog Exp Tumor Res** 1991;33:108–31 (97 ref.)

CLASSIFICATION

Staging of exocrine pancreatic carcinoma. Hermanek P. **Eur J Surg Oncol** 1991 Apr;17(2):167–72 (28 ref.)

[Cancer of the exocrine pancreas—a classification comparison] Reich O, et al. **Pathologe** 1991 Jan;12(1):13–6 (29 ref.) **(Ger)**

COMPLICATIONS

Cancer cachexia. Tisdale MJ, et al. **Int J Pancreatol** 1990 Aug-Nov;7(1-3):141-50 (24 ref.)

Mucinous cystadenocarcinoma of the pancreas: an uncommon presentation with anaemia and upper gastrointestinal bleeding. Inceoglu R, et al. **J R Soc Med** 1991 Mar;84(3):171-2 (5 ref.)

Endoscopically inserted biliary endoprosthesis in malignant obstructive jaundice. A survey of the literature. Naggar E, et al. **Liver** 1990 Dec;10(6):321-4 (19 ref.)

[Hypokalemic paralysis disclosing vipoma (letter)] Drouet A, et al. **Ann Med Interne (Paris)** 1991;142(2):146-7 (13 ref.) **(Fre)**

DIAGNOSIS

Cytology of head and neck tumors, liver, and pancreas. Suen KC. **Clin Lab Med** 1991 Jun;11(2):317-56 (104 ref.)

Islet cell carcinoma of the pancreas presenting as bleeding from isolated gastric varices. Report of a case and review of the literature. Metz DC, et al. **Dig Dis Sci** 1991 Feb; 36(2):241-4 (16 ref.)

Dermoid cyst of the pancreas. Case report and review of the literature. Vermeulen BJ, et al. **Gastroenterol Clin Biol** 1990;14(12):1023-5 (16 ref.)

Diagnosis and preoperative evaluation of pancreatic cancer, with implications for management. Fernández-del Castillo C, et al. **Gastroenterol Clin North Am** 1990 Dec; 19(4):915-33 (94 ref.)

Early indicators of exocrine pancreas carcinogenesis produced by non-genotoxic agents. Woutersen RA, et al. **Mutat Res** 1991 Jun;248(2):291-302 (75 ref.)

Pancreatic somatostatinoma. Soldati T, et al. **Panminerva Med** 1990 Jul-Sep;32(3):141-4 (13 ref.)

[The use of imaging techniques in the diagnosis of pancreatic diseases] Bargon G, et al. **Radiologe** 1990 Sep;30(9):399-407 (49 ref.) (Eng. Abstr.) **(Ger)**

[The diagnostic procedure in pancreatic diseases] Beger HG. **Radiologe** 1990 Sep;30(9):408-12 (7 ref.) (Eng. Abstr.) **(Ger)**

[Paralytic ileus as an initial manifestation of malignant VIPoma of the pancreas--case report with review of the literature] Koberstein B, et al. **Z Gastroenterol** 1990 Jun; 28(6):295-301 (46 ref.) (Eng. Abstr.) **(Ger)**

[Carcinoma of the pancreas and description of 5 cases] Stazi C, et al. **Clin Ter** 1990 Jun 30;133(6):365-78 (63 ref.) (Eng. Abstr.) **(Ita)**

[Value and limitations of neoplasm markers in the diagnosis of pancreatic carcinoma] Fabris C, et al. **Recenti Prog Med** 1991 Mar;82(3):166-72 (34 ref.) (Eng. Abstr.) **(Ita)**

[A case of retroperitoneal schwannoma mimicking a cystadenoma of the pancreas] Obara T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Aug;87(8):1717-20 (16 ref.) **(Jpn)**

[Diagnosis of cancer of the bilio-pancreatoduodenal region] Lebedev NV, et al. **Sov Med** 1990;(11):33-8 (75 ref.) **(Rus)**

DRUG THERAPY

Chemotherapy for pancreatic cancer. Arbuck SG. **Baillieres Clin Gastroenterol** 1990 Dec;4(4):953-68 (75 ref.)

Perspectives in chemotherapy of pancreatic cancer. Klapdor R. **Eur J Surg Oncol** 1991 Apr;17(2):153-66 (117 ref.)

Overview of chemotherapy for pancreatic cancer. Arbuck SG. **Int J Pancreatol** 1990 Aug-Nov;7(1-3):209-22 (50 ref.)

Clinical review 23: The use of the long-acting somatostatin analog octreotide in the treatment of gut neuroendocrine tumors. Wynick D, et al. **J Clin Endocrinol Metab** 1991 Jul;73(1):1-3 (5 ref.)

[The somatostatin analog SMS 201-995 in long-term treatment of vipoma] Christensen C. **Ugeskr Laeger** 1990 Dec 17;152(51):3851-3 (30 ref.) (Eng. Abstr.) **(Dan)**

[Clinical applications of octreotide in gastro-entero-pancreatic (GEP) tumors] Arnold R, et al. **Z Gastroenterol** 1990 Sep;28 Suppl 2:22-8 (55 ref.) **(Ger)**

[Pancreatic carcinoma, sex hormones receptors and treatment with tamoxifen] Grunebaum E, et al. **Harefuah** 1991 Mar 15;120(6):340-3 (32 ref.) **(Heb)**

[Hormone therapy of neoplasms] Abe K. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):373-6 (15 ref.) **(Jpn)**

EPIDEMIOLOGY

Solid and cystic tumor of the pancreas [letter] Matsumoto K, et al. **J Clin Gastroenterol** 1991 Apr;13(2):240-1 (4 ref.)

ETIOLOGY

Residue trypsin inhibitor: data needs for risk assessment. Hathcock JN. **Adv Exp Med Biol** 1991;289:273-9 (33 ref.)

Aetiology of pancreatic cancer [see comments] Haddock G, et al. **Br J Surg** 1990 Oct;77(10):1159-66 (138 ref.) Comment in: Br J Surg 1991 Mar;78(3):377.

Biology of pancreatic cancer. Poston GJ, et al. **Gut** 1991 Jul;32(7):800-12 (268 ref.)

GENETICS

Mutational activation of the c-K-ras gene in human pancreatic carcinoma. Shibata D, et al. **Baillieres Clin Gastroenterol** 1990 Mar;4(1):151-69 (96 ref.)

IMMUNOLOGY

Radioimmunolocalization of tumours of the pancreas and biliary tree. Allum WH. **Baillieres Clin Gastroenterol** 1990 Dec;4(4):853-67 (63 ref.)

Composition and production of pancreatic tumor related antigens. Appert HE. **Int J Pancreatol** 1990 Aug-Nov; 7(1-3):13-24 (34 ref.)

METABOLISM

Sex hormones and pancreatic cancer. Andrén-Sandberg A, et al. **Baillieres Clin Gastroenterol** 1990 Dec;4(4):941-52 (91 ref.)

PATHOLOGY

Neural and endocrine markers as diagnostic tools in pancreatic and gastrointestinal endocrine tumors. Klöppel G, et al. **Acta Histochem Suppl** 1990;38:93-8 (23 ref.)

Multiple carcinomata associated with anomalous arrangement of the biliary and pancreatic duct system. A report of two cases with a literature survey. Morohoshi T, et al. **Acta Pathol Jpn** 1990 Oct;40(10):755-63 (31 ref.)

Growth factors and oncogenes in pancreatic cancer. Lemoine NR, et al. **Baillieres Clin Gastroenterol** 1990 Dec; 4(4):815-32 (108 ref.)

The pathology of pancreatic cancer. Rode J. **Baillieres Clin Gastroenterol** 1990 Dec;4(4):793-813 (117 ref.)

The malignant nature of papillary and cystic neoplasm of the pancreas. Sclafani LM, et al. **Cancer** 1991 Jul 1; 68(1):153-8 (34 ref.)

Percutaneous biopsy of pancreatic lesions. Neuerburg J, et al. **Cardiovasc Intervent Radiol** 1991 Jan-Feb;14(1):43-9 (71 ref.)

Staging of exocrine pancreatic carcinoma. Hermanek P. **Eur J Surg Oncol** 1991 Apr;17(2):167-72 (28 ref.)

Histological typing of pancreatic and periampullary carcinoma. Klöppel G, et al. **Eur J Surg Oncol** 1991 Apr; 17(2):139-52 (46 ref.)

Influence of sex hormones on pancreatic cancer. Andrén-Sandberg A, et al. **Int J Pancreatol** 1990 Aug-Nov;7(1-3):167-76 (54 ref.)

Potential role of the epidermal growth factor receptor in human pancreatic cancer. Korc M. **Int J Pancreatol** 1990 Aug-Nov;7(1-3):71-81 (70 ref.)

[Papillary--cystic tumor of the pancreas. Apropos of 1 case with histological, immunohistochemistry and ultrastructural study] Rouquette I, et al. **Arch Anat Cytol Pathol** 1991;39(1-2):38-41 (15 ref.) (Eng. Abstr.) **(Fre)**

[Mucin-producing pancreatic cancer] Morioka K. **Nippon Geka Gakkai Zasshi** 1991 Jul;92(7):765-70 (22 ref.) **(Jpn)**

PHYSIOPATHOLOGY

Zollinger-Ellison syndrome. A new look at regression of gastrinomas. Delcore R, et al. **Arch Surg** 1991 May; 126(5):556-8 (21 ref.)

Morphology and functional activity of gastroenteropancreatic neuroendocrine tumours. Klöppel G, et al. **Recent Results Cancer Res** 1990;118:27-36 (24 ref.)

RADIOGRAPHY

Radiology of the pancreas. Freeny PC. **Curr Opin Radiol** 1991 Jun;3(3):440-52 (64 ref.)

A study of 122 cases of pancreatic cancer diagnosed by endoscopic retrograde cholangiopancreatography (ERCP). Moon YM, et al. **Korean J Intern Med** 1986 Jul;1(2):131-9 (46 ref.)

[Computed tomography of the pancreas] Claussen CD, et al. **Rontgenpraxis** 1990 Nov;43(11):397-402 (22 ref.) **(Ger)**

[Primary leiomyosarcoma of the pancreas] Murata K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1990 Oct 25; 50(10):1215-23 (56 ref.) (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Radiotherapy in the treatment of pancreatic cancer. Dobelbower RR, et al. **Baillieres Clin Gastroenterol** 1990 Dec;4(4):969-83 (81 ref.)

Future prospects of radiotherapy in pancreatic cancer. Fietkau R, et al. **Eur J Surg Oncol** 1991 Apr;17(2):201-10 (51 ref.)

Interstitial brachytherapy for pancreatic cancer: report of seven cases treated with 125I and a review of the literature. Montemaggi P, et al. **Int J Radiat Oncol Biol Phys** 1991 Jul;21(2):451-7 (25 ref.)

Combined treatment in pancreatic carcinoma: review of literature. Trodella L, et al. **Rays** 1991 Jan-Mar;16(1):76-81 (19 ref.) **(Eng, Ita)**

SECONDARY

Solitary pancreatic metastasis from renal cell carcinoma. Gohji K, et al. **Hinyokika Kiyo** 1990 Jun;36(6):677-81 (18 ref.)

SURGERY

Surgical treatment of endocrine pancreatic lesions in MEN-1. Akerström G, et al. **Acta Oncol** 1991;30(4):541-5 (31 ref.)

Cancer of the pancreas. Pylorus-preserving resection of the pancreas. Pitt HA, et al. **Baillieres Clin Gastroenterol** 1990 Dec;4(4):917-30 (68 ref.)

Surgical resection for cancer of the pancreas. Russell RC. **Baillieres Clin Gastroenterol** 1990 Dec;4(4):889-916 (116 ref.)

Rare exocrine pancreatic cancer-operative treatment. Bodner E, et al. **Eur J Surg Oncol** 1991 Apr;17(2):183-9 (26 ref.)

Intraoperative radiation therapy for carcinoma of the stomach and pancreas. Abe M, et al. **Front Radiat Ther Oncol** 1991;25:258-69; discussion 330-3 (11 ref.)

Intraoperative radiotherapy in gastric and pancreatic carcinoma: a European experience. Calvo FA, et al. **Front Radiat Ther Oncol** 1991;25:270-83 (26 ref.)

Intraoperative radiation therapy for pancreatic, biliary and gastric carcinoma: the US experience. Merrick HW 3d, et al. **Front Radiat Ther Oncol** 1991;25:246-57 (35 ref.)

Endoscopic management of pancreatic disorders. Irani SK. **Gastroenterol Clin North Am** 1990 Dec;19(4):975-97 (111 ref.)

Pylorus-preserving pancreatoduodenectomy--technical aspects. Braasch JW, et al. **Langenbecks Arch Chir** 1991; 376(1):50-8 (62 ref.)

[Cystadenoma of the pancreas. Apropos of a case and review of the literature] Floriani A, et al. **Acta Chir Belg** 1991 Mar-Apr;91(2):63-7 (20 ref.) (Eng. Abstr.) **(Fre)**

[Treatment of exocrine pancreas tumors] Baumel H, et al. **Ann Chir** 1991;45(3):253-8 (81 ref.) (Eng. Abstr.) **(Fre)**

[Surgical aspects of space-occupying lesions in the pancreas] Gergely M. **Orv Hetil** 1991 Mar 31;132(13):675-80 (36 ref.) (Eng. Abstr.) **(Hun)**

[Internal biliary diversions in inoperable neoplasms of the biliary tract and pancreas] Giordano G, et al. **G Chir** 1991 Jan-Feb;12(1-2):9-15 (26 ref.) (Eng. Abstr.) **(Ita)**

[Insulinoma and anesthesia] Mora A, et al. **Rev Esp Anestesiol Reanim** 1991 Jan-Feb;38(1):25-8 (23 ref.) **(Spa)**

THERAPY

Interstitial laser hyperthermia in tumour therapy. Masters A, et al. **Ann Chir Gynaecol** 1990;79(4):244-51 (34 ref.)

Non-operative palliation of pancreatic cancer. Huibregtse K. **Baillieres Clin Gastroenterol** 1990 Dec;4(4):995-1004 (38 ref.)

Gastric, esophageal, and pancreatic cancer, and rare tumors. Bleiberg H. **Curr Opin Oncol** 1990 Aug;2(4):718-24 (27 ref.)

Therapeutic strategies in the management of endocrine GEP tumours. Arnold R. **Eur J Clin Invest** 1990 Oct;20 Suppl 1:S82-90 (72 ref.)

Endocrine pancreatic carcinoma. Rothmund M, et al. **Eur J Surg Oncol** 1991 Apr;17(2):191-9 (29 ref.)

Aggressive therapy for cancer of the pancreas. Does it help? Merrick HW 3d, et al. **Gastroenterol Clin North Am** 1990 Dec;19(4):935-62 (114 ref.)

Overview of pancreatic cancer, 1989. Cohn I Jr. **Int J Pancreatol** 1990 Aug-Nov;7(1-3):1-11 (71 ref.)

Interstitial laser hyperthermia for the treatment of hepatic and pancreatic tumours. Steger AC. **Photochem Photobiol** 1991 Jun;53(6):837-44 (82 ref.)

Implications of current therapeutic approaches in colorectal cancer for other gastrointestinal malignancies. Lembersky BC. **Semin Oncol** 1991 Feb;18(1 Suppl 1):39-46 (49 ref.)

[Carcinoma of the pancreas--the palliative therapeutic possibilities outside of a radical surgical operation] Rougier F, et al. **Khirurgiia (Sofiia)** 1991;44(2):69-75 (50 ref.) **(Bul)**

[Possibilities of immunotherapy of colorectal cancers and pancreatic tumors] Klapdor R. **Z Gastroenterol Verh** 1991 Mar;26:220-7 (127 ref.) **(Ger)**

[Carcinoma of the pancreas and description of 5 cases] Stazi C, et al. **Clin Ter** 1990 Jun 30;133(6):365-78 (63 ref.) (Eng. Abstr.) **(Ita)**

ULTRASONOGRAPHY

Endoluminal ultrasound for the diagnosis and staging of pancreatic cancer. Grimm H, et al. **Baillieres Clin Gastroenterol** 1990 Dec;4(4):869-88 (30 ref.)

ULTRASTRUCTURE

Somatostatin receptor imaging in vivo localization of tumors with a radiolabeled somatostatin analog. Lamberts SW, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1079-82 (14 ref.)

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the pancreas. Longnecker DS, et al. **IARC Sci Publ** 1990;(99):241-57 (57 ref.)

PANCREATIC PSEUDOCYST

THERAPY

Management of pseudocysts, inflammatory masses, and pancreatic ascites. Adler J, et al. **Gastroenterol Clin North Am** 1990 Dec;19(4):863-71 (62 ref.)

Pancreatic pseudocyst: successful treatment by percutaneous external catheter drainage. Korman SH, et al. **J Pediatr Gastroenterol Nutr** 1991 Apr;12(3):372-5 (21 ref.)

Pancreatic pseudocysts. When to drain, when to wait.

Anderson MC, et al. **Postgrad Med** 1991 Mar;89(4):199–200, 203–6 (25 ref.)

PANCREATIC SECRETORY TRYPSIN INHIBITOR, KAZAL see **TRYPSIN INHIBITOR, KAZAL PANCREATIC**

PANCREATIC SECRETORY TRYPSIN INHIBITOR, KAZAL see **TRYPSIN INHIBITOR, KAZAL PANCREATIC**

PANCREATICOJEJUNOSTOMY

Whipple procedure for trauma: is duct ligation a safe alternative to pancreaticojejunostomy? Gentilello LM, et al. **J Trauma** 1991 May;31(5):661–7; discussion 667–8 (60 ref.)

METHODS

[Pancreatico–jejunal anastomosis after excision: when and how to do it] Campana FP. **G Chir** 1988 Oct;9(10):711–4 (0 ref.) **(Ita)**

[Telescopic pancreatico–jejunostomy after duodeno–cephalopancreatectomy. Original proposal for reconstruction using an interposed loop] Carboni M, et al. **G Chir** 1988 Oct;9(10):715–8 (7 ref.) **(Ita)**

PANCREATIN

THERAPEUTIC USE

Development of pancreatic enzyme microsphere technology and US findings with Pancrease in the treatment of chronic pancreatitis. DeYoung JL. **Int J Pancreatol** 1989;5 Suppl:31–6 (13 ref.)

[Clinical and pharmacological aspects of pancreatic enzyme substitution therapy] Löser C, et al. **Leber Magen Darm** 1991 Mar;21(2):56, 59–62, 65 (39 ref.) (Eng. Abstr.) **(Ger)**

PANCREATITIS

Severe acute pancreatitis: newer insights in diagnosis and management. Fagniez PL, et al. **Dig Dis** 1991;9(3):165–78 (122 ref.)

Chronic pancreatitis in the elderly. Ammann RW. **Gastroenterol Clin North Am** 1990 Dec;19(4):905–14 (52 ref.)

Infected necrosis: morbidity and therapeutic consequences. Banks PA. **Hepatogastroenterology** 1991 Apr;38(2):116–9 (24 ref.)

Biliary acute pancreatitis. Winslet MC, et al. **Hepatogastroenterology** 1991 Apr;38(2):120–3 (67 ref.)

CHEMICALLY INDUCED

[Delayed acute pancreatitis after treatment with L–asparaginase. A case report (letter)] Pecquenard L, et al. **Therapie** 1990 Sep–Oct;45(5):453–4 (16 ref.) **(Fre)**

[Effect of somatostatin analogue on experimental pancreatic lesions and their sequelae] Tulassay Z, et al. **Orv Hetil** 1991 Jul 28;132(30):1631–8 (31 ref.) (Eng. Abstr.) **(Hun)**

[Platelet activating factor as a mediator of lesions of the digestive system] Polonskiĭ VM. **Klin Med (Mosk)** 1990 Aug;68(8):27–31 (39 ref.) **(Rus)**

CLASSIFICATION

[Classification of pancreatitis] Martin E, et al. **Ann Pathol** 1991;11(1):4–17 (75 ref.) **(Fre)**

COMPLICATIONS

Current management of pancreatic abscess. Bradley EL 3d, et al. **Adv Surg** 1991;24:361–88 (106 ref.)

Hepatic artery pseudoaneurysms in acute pancreatitis. Walton JM, et al. **Can J Surg** 1991 Aug;34(4):377–80 (25 ref.)

Pancreatic encephalopathy. A case report and review of the literature. Boon P, et al. **Clin Neurol Neurosurg** 1991; 93(2):137–41 (21 ref.)

Pancreatic ascites presenting in infancy, with review of the literature. Athow AC, et al. **Dig Dis Sci** 1991 Feb; 36(2):245–50 (39 ref.)

Colonic necrosis or fistula following pancreatitis or gastric surgery. Wille–Jørgensen P, et al. **Eur J Surg** 1991 Feb; 157(2):137–9 (11 ref.)

Chronic calcifying pancreatitis associated with primary hyperparathyroidism—report of a case and review of the literature. Katoh H, et al. **Jpn J Surg** 1990 Nov;20(6):704–6 (8 ref.)

Prognosis in acute pancreatitis complicated by acute renal failure requiring dialysis. Frost L, et al. **Scand J Urol Nephrol** 1990;24(4):257–60 (18 ref.)

Duodenal stricture: a complication of chronic fibrocalcific pancreatitis. Taylor SM, et al. **South Med J** 1991 Mar; 84(3):338–41 (18 ref.)

[Acute pancreatitis and its complication in various systems] Nan TP, et al. **Chung Hua Nei Ko Tsa Chih** 1990 Aug; 29(8):498–500 (15 ref.) **(Chi)**

[Ureteral stenosis in pancreatitis. Role and value of the double J tube] Janin P, et al. **J Urol (Paris)** 1990;96(7):381–5 (11 ref.) (Eng. Abstr.) **(Fre)**

[Chronic pancreatitis. 2. Clinical aspects and complications] Wermke W. **Z Arztl Fortbild (Jena)** 1990;84(20):1024–7 (0 ref.) **(Ger)**

[A case report of thrombosis in portal and splenic vein due to alcoholic pancreatitis] Michida T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jun;88(6):1388–92 (16 ref.) **(Jpn)**

[Pancreatogenic pericarditis] Lashchevker VM. **Klin Khir** 1990;(11):56–60 (60 ref.) **(Rus)**

[Acute pancreatitis and hypertriglyceridemia] Rollán A, et al. **Rev Med Chil** 1989 Mar;117(3):315–21 (39 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Predictors of severity of acute pancreatitis. Steinberg WM. **Gastroenterol Clin North Am** 1990 Dec;19(4):849–61 (60 ref.)

Objectification of the severity of acute pancreatitis. Büchler M. **Hepatogastroenterology** 1991 Apr;38(2):101–8 (38 ref.)

Clinical picture and diagnosis of acute pancreatitis. Malfertheiner P, et al. **Hepatogastroenterology** 1991 Apr; 38(2):97–100 (36 ref.)

[3 cases of acute postoperative pancreatitis] Dimitrova V, et al. **Khirurgiia (Sofiia)** 1991;44(3):17–21 (23 ref.) (Eng. Abstr.) **(Bul)**

[Functional pancreatic studies in the diagnosis and treatment of chronic pancreatitis] Moreau J, et al. **Acta Gastroenterol Belg** 1989 Sep–Dec;52(5–6):467–83 (61 ref.) (Eng. Abstr.) **(Fre)**

[Diagnostic and therapeutic strategy in acute pancreatitis] Fagniez PL, et al. **Ann Chir** 1991;45(4):288–92 (26 ref.) (Eng. Abstr.) **(Fre)**

[Acute pancreatitis: a 2–year evaluation of a diagnostic and therapeutic protocol] Courtin P, et al. **Cah Anesthesiol** 1990 Dec;38(6):385–96 (69 ref.) **(Fre)**

[The use of imaging techniques in the diagnosis of pancreatic diseases] Bargon G, et al. **Radiologe** 1990 Sep;30(9):399–407 (49 ref.) (Eng. Abstr.) **(Ger)**

[The diagnostic procedure in pancreatic diseases] Beger HG. **Radiologe** 1990 Sep;30(9):408–12 (7 ref.) (Eng. Abstr.) **(Ger)**

[Chronic pancreatitis. 3: Diagnosis and therapy] Wermke W. **Z Arztl Fortbild (Jena)** 1990;84(20):1029–32 (0 ref.) **(Ger)**

[Diagnostic standards in chronic pancreatitis—imaging procedures] Bosseckert H. **Z Gastroenterol Verh** 1991 Mar; 26:62–8 (12 ref.) **(Ger)**

[Diagnostic standards in chronic pancreatitis. Exocrine pancreatic function tests] Lankisch PG. **Z Gastroenterol Verh** 1991 Mar;26:58–61 (34 ref.) **(Ger)**

[Standards of laboratory diagnosis of acute pancreatitis] Malfertheiner P. **Z Gastroenterol Verh** 1991 Mar;26:304–6 (25 ref.) **(Ger)**

[Acute necrotizing pancreatitis—clinical aspects, diagnosis and therapy] Schoenberg MH, et al. **Z Gastroenterol Verh** 1991 Mar;26:50–2 (18 ref.) **(Ger)**

[Diagnosis and therapy of chronic pancreatitis] Hosoda S. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):419–23 (12 ref.) **(Jpn)**

[Early prognostic criteria in acute pancreatitis] Rydzewska G, et al. **Pol Arch Med Wewn** 1991 Jan;85(1):59–66 (36 ref.) **(Pol)**

[Methods in early prognosis of acute pancreatitis] Nowakowska–Dulawa E. **Pol Tyg Lek** 1990 Dec 3–10; 45(49–50):1013–6 (47 ref.) **(Pol)**

[Biochemical studies in the diagnosis of acute pancreatitis] Tvorogova MG, et al. **Ter Arkh** 1991;63(2):144–7 (26 ref.) **(Rus)**

DRUG THERAPY

Rationale for antioxidant therapy in pancreatitis and cystic fibrosis. Uden S, et al. **Adv Exp Med Biol** 1990;264:555–72 (56 ref.)

Theory and practice in the individualization of oral pancreatic enzyme administration for chronic pancreatitis. Andrén–Sandberg A. **Int J Pancreatol** 1989;5 Suppl:51–62 (22 ref.)

Development of pancreatic enzyme microsphere technology and US findings with Pancrease in the treatment of chronic pancreatitis. DeYoung JL. **Int J Pancreatol** 1989;5 Suppl:31–6 (13 ref.)

Management of chronic pancreatitis. Focus on enzyme replacement therapy. Dobrilla G. **Int J Pancreatol** 1989;5 Suppl:17–29 (67 ref.)

[Antibacterial therapy of acute pancreatitis] Egiev VN, et al. **Sov Med** 1991;(1):29–32 (69 ref.) **(Rus)**

[A critical analysis of clinical trials in acute pancreatitis published between 1983 and 1989] Pérez–Mateo M, et al. **Med Clin (Barc)** 1991 Mar 16;96(10):371–3 (20 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Acute pancreatitis and systemic lupus erythematosus: necropsy of a case and review of the pancreatic vascular lesions. Serrano López MC, et al. **Am J Gastroenterol** 1991 Jun;86(6):764–7 (41 ref.)

Pancreatitis and typhoid fever [letter] Hermans P, et al. **Am J Med** 1990 Oct;89(4):546–7 (6 ref.)

Recurrent acute pancreatitis—rarely idiopathic: 1989 Du Pont lecture. Carey LC. **Can J Surg** 1990 Apr;33(2):107–12 (32 ref.)

Philosophers and stones in acute pancreatitis. Neoptolemos JP, et al. **Dig Dis** 1990;8(6):354–60 (60 ref.)

Pancreatitis. Hodgdon AK, et al. **Emerg Med Clin North Am** 1990 Nov;8(4):873–85 (40 ref.)

Acute gallstone pancreatitis and endoscopic therapy. Carr–Locke DL. **Endoscopy** 1990 Jul;22(4):180–3 (47 ref.)

Idiopathic acute pancreatitis. Grendell JH. **Gastroenterol Clin North Am** 1990 Dec;19(4):843–8 (34 ref.)

Hyperlipidemic pancreatitis. Toskes PP. **Gastroenterol Clin North Am** 1990 Dec;19(4):783–91 (32 ref.)

Fatal pancreatitis secondary to iatrogenic intramural duodenal hematoma: a case report and review of the literature. Sadry F, et al. **Gastrointest Radiol** 1990 Fall; 15(4):296–8 (14 ref.)

Alcoholic pancreatitis. Possible role of digestive enzyme and lysosomal hydrolase colocalization and abnormal trafficking of proteins after exit site at trans Golgi network (TGN). Singh M. **Int J Pancreatol** 1991 Feb;8(2):111–8 (52 ref.)

Etiologic aspects of chronic pancreatitis. Review of current theories and experimental evidence. Worning H. **Int J Pancreatol** 1989;5 Suppl:1–9 (55 ref.)

ERCP– and endoscopic sphincterotomy–induced pancreatitis. Sherman S, et al. **Pancreas** 1991 May; 6(3):350–67 (181 ref.)

Gallstone pancreatitis. Choosing and timing treatment. Valente JF, et al. **Postgrad Med** 1991 Feb 1;89(2):123–4, 126–8, 130 (18 ref.)

Gallstone pancreatitis. Patti MG, et al. **Surg Clin North Am** 1990 Dec;70(6):1277–95 (108 ref.)

[Pathogenetic concepts of acute pancreatitis] Mössner J. **Z Gastroenterol Verh** 1991 Mar;26:43–6 (36 ref.) **(Ger)**

[Etiology and pathogenesis of acute pancreatitis] Luk'ianov IV, et al. **Ter Arkh** 1991;63(2):142–4 (25 ref.) **(Rus)**

METABOLISM

[Biochemical aspects of chronic pancreatitis] Nesterenko IuA, et al. **Sov Med** 1990;(9):27–31 (44 ref.) **(Rus)**

MORTALITY

[Acute pancreatitis: biochemical estimation of the prognosis] Pezet D, et al. **Ann Chir** 1990;44(10):779–82 (16 ref.) **(Fre)**

NURSING

When the pancreas self–destructs. Smith A. **Am J Nurs** 1991 Sep;91(9):38–48 (24 ref.)

PATHOLOGY

Definitions and classifications of pancreatitis. Sarles H. **Pancreas** 1991 Jul;6(4):470–4 (17 ref.)

[Chronic pancreatitis. 1. Classification, etiology and pathomorphology] Wermke W. **Z Arztl Fortbild (Jena)** 1990;84(19):977–9 (0 ref.) **(Ger)**

[Acute pancreatitis—etiology, pathological anatomy and pathogenesis] Schulz HJ, et al. **Z Gesamte Inn Med** 1990 Aug 15;45(16):467–72 (32 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Pancreatic ischaemia in experimental acute pancreatitis: mechanism, significance and therapy. Klar E, et al. **Br J Surg** 1990 Nov;77(11):1205–10 (101 ref.)

A critical appraisal of interventional therapy in chronic pancreatitis. Ammann RW. **Endoscopy** 1991 May; 23(3):191–3 (18 ref.)

Experimental evidence of beneficial effects of ductal decompression in chronic pancreatitis. Widdison AL, et al. **Endoscopy** 1991 May;23(3):151–4 (51 ref.)

[The natural history and physiopathology of chronic pancreatitis] Bernades P. **Acta Gastroenterol Belg** 1989 Sep–Dec;52(5–6):448–57 (33 ref.) (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

[Prevention of acute postoperative pancreatitis] Dotsenko AP, et al. **Klin Khir** 1990;(11):48–52 (58 ref.) **(Rus)**

RADIOGRAPHY

Computed tomography and acute pancreatitis. Hill MC, et al. **Gastroenterol Clin North Am** 1990 Dec;19(4):811–42 (91 ref.)

Angio–CT: diagnosis and detection of complications of acute pancreatitis. Freeny PC. **Hepatogastroenterology** 1991 Apr; 38(2):109–15 (22 ref.)

[Computed tomography in acute severe pancreatitis] Rotman N, et al. **Ann Chir** 1990;44(10):783–6 (18 ref.) **(Fre)**

[Computed tomography of the pancreas] Claussen CD, et al. **Rontgenpraxis** 1990 Nov;43(11):397–402 (22 ref.) **(Ger)**

SURGERY

Can markers for pancreatic necrosis be used as indicators for surgery? Ferguson CM, et al. **Am J Surg** 1990 Nov; 160(5):459–61 (10 ref.)

Comprehensive management of acute necrotizing pancreatitis and pancreatic abscess. Stanten R, et al. **Arch Surg** 1990 Oct;125(10):1269–74; discussion 1274–5 (35 ref.)

Surgical strategies in the treatment of pancreatic necrosis and infection. D'Egidio A, et al. **Br J Surg** 1991 Feb; 78(2):133–7 (54 ref.)

Surgery in acute pancreatitis. Beger HG.

Hepatogastroenterology 1991 Apr;38(2):92–6 (30 ref.)
Operative management of necrotizing pancreatitis—necrosectomy and continuous closed postoperative lavage of the lesser sac. Beger HG. **Hepatogastroenterology** 1991 Apr;38(2):129–33 (29 ref.)
Pylorus-preserving pancreatoduodenectomy—technical aspects. Braasch JW, et al. **Langenbecks Arch Chir** 1991; 376(1):50–8 (62 ref.)
Pancreatic necrosis and infection—an update on management. D'Egidio A. **S Afr J Surg** 1991 Jun;29(2):37–8 (24 ref.)
[Acute pancreatitis: treatment] Meyer C, et al. **Ann Chir** 1990; 44(10):787–800 (189 ref.) **(Fre)**
[Chronic pancreatitis: surgical treatment] Lemma F, et al. **G Chir** 1988 Feb;9(2):127–34 (16 ref.) (Eng. Abstr.) **(Ita)**
[Laser irradiation of blood in surgery] Gostishchev VK, et al. **Khirurgiia (Mosk)** 1991 Jan;(1):121–5 (98 ref.) **(Rus)**

THERAPY

Current concepts in the management of pancreatitis. Wilson C, et al. **Drugs** 1991 Mar;41(3):358–66 (42 ref.)
A critical appraisal of interventional therapy in chronic pancreatitis. Ammann RW. **Endoscopy** 1991 May; 23(3):191–3 (18 ref.)
Chronic pancreatitis: selection of patients for endoscopic therapy. Burdick JS, et al. **Endoscopy** 1991 May;23(3):155–9 (55 ref.)
Experimental evidence of beneficial effects of ductal decompression in chronic pancreatitis. Widdison AL, et al. **Endoscopy** 1991 May;23(3):151–4 (51 ref.)
Management of pseudocysts, inflammatory masses, and pancreatic ascites. Adler J, et al. **Gastroenterol Clin North Am** 1990 Dec;19(4):863–71 (62 ref.)
Endoscopic therapy of acute and chronic pancreatitis. Geenen JE, et al. **Gastrointest Endosc** 1991 May–Jun; 37(3):377–82 (45 ref.)
Conservative treatment of acute pancreatitis. Meyer P, et al. **Hepatogastroenterology** 1991 Apr;38(2):124–8 (101 ref.)
Current therapeutic strategies in severe acute pancreatitis [see comments] Reynaert MS, et al. **Intensive Care Med** 1990; 16(6):352–62 (84 ref.) Comment in: Intensive Care Med 1991;17(3):189–90.
Non-surgical management of severe chronic pancreatitis. Cremer M, et al. **Scand J Gastroenterol Suppl** 1990; 175:77–84 (20 ref.)
Nutritional management of acute and chronic pancreatitis. Latifi R, et al. **Surg Clin North Am** 1991 Jun;71(3):579–95 (90 ref.)
[Acute pancreatitis: a 2-year evaluation of a diagnostic and therapeutic protocol] Courtin P, et al. **Cah Anesthesiol** 1990 Dec;38(6):385–96 (69 ref.) **(Fre)**
[Papillotomy in acute pancreatitis—never—selective—or always? Early ERCP and EST (endoscopic sphincterotomy)] Kautz G. **Z Gastroenterol Verh** 1991 Mar; 26:72–6 (30 ref.) **(Ger)**
[Enzyme therapy in the early stage of chronic pancreatitis?] Layer P. **Z Gastroenterol Verh** 1991 Mar;26:69–71 (19 ref.) **(Ger)**
[Treatment of acute pancreatitis] Smirnov DA. **Khirurgiia (Mosk)** 1991 May;(5):156–64 (128 ref.) **(Rus)**

PANCREATOJEJUNOSTOMY see **PANCREATICOJEJUNOSTOMY**

PANCREATOPEPTIDASE

ANTAGONISTS & INHIBITORS

Potential problems in designing elastase inhibitors for therapy. Travis J, et al. **Am Rev Respir Dis** 1991 Jun; 143(6):1412–5 (31 ref.)
The discovery and biologic properties of cephalosporin-based inhibitors of PMN elastase. Davies P, et al. **Ann N Y Acad Sci** 1991;624:219–29 (55 ref.)

BLOOD

[Serum elastinolytic activity and blood lipids in various clinical forms of arteriosclerosis and in acute myocardial infarct] Landi A, et al. **Orv Hetil** 1991 May 19; 132(20):1075–9 (55 ref.) (Eng. Abstr.) **(Hun)**

METABOLISM

The elastase-mediated pathway of fibrinolysis. Machovich R, et al. **Blood Coagul Fibrinolysis** 1990 Mar–Apr; 1(1):79–90 (167 ref.)
[Lipoproteins, elastases and atherogenesis] Hornebeck W. **Pathol Biol (Paris)** 1990 Dec;38(10):1010–4 (38 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Protease actions on airway secretions. Relevance to cystic fibrosis. Nadel JA. **Ann N Y Acad Sci** 1991;624:286–96 (50 ref.)
Putative role of neutrophil elastase in the pathogenesis of emphysema. Snider GL, et al. **Ann N Y Acad Sci** 1991; 624:45–59 (80 ref.)
Neutrophil proteinases. Caution signs in designing inhibitors against enzymes with possible multiple functions. Travis J, et al. **Ann N Y Acad Sci** 1991;624:81–6 (16 ref.)
Development and application of assays for elastase-specific fibrinogen fragments. Weitz JI. **Ann N Y Acad Sci** 1991; 624:154–66 (54 ref.)

PANCREOZYMIN see **CHOLECYSTOKININ**

PANCREOZYMIN RECEPTORS see **RECEPTORS, CHOLECYSTOKININ**

PANCURONIUM

ANALYSIS

[Determinations of steroidal muscle relaxants and their metabolites] Fukushima K, et al. **Masui** 1991 Jan; 40(1):101–4 (15 ref.) (Eng. Abstr.) **(Jpn)**

PANCYTOPENIA

ETIOLOGY

[Peripheral pancytopenia] Bello-González SA, et al. **Bol Med Hosp Infant Mex** 1990 Nov;47(11):737–45 (82 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Supportive care for patients with acute leukemia. Lee EJ. **Curr Opin Oncol** 1990 Feb;2(1):55–61 (24 ref.)

PANIC

Validation criteria for panic disorder as a nosological entity. Rosenberg R, et al. **Acta Psychiatr Scand Suppl** 1991; 365:7–17 (130 ref.)
Panic disorder in children and adolescents: a review with examples. Bradley SJ. **Adolesc Psychiatry** 1990;17:433–50 (50 ref.)
Prodromal symptoms in affective disorders. Fava GA, et al. **Am J Psychiatry** 1991 Jul;148(7):823–30 (88 ref.)
New ways of treating panic disorder. Gelder MG. **Ann Med** 1991 Apr;23(2):97–9 (20 ref.)
Panic and phobic disorders. Current cognitive behavioural strategies. Marriott P. **Aust Fam Physician** 1990 Sep; 19(9):1357, 1360–2, 1365–70 (9 ref.)
Substance abuse and panic-related anxiety: a critical review. Cox BJ, et al. **Behav Res Ther** 1990;28(5):385–93 (69 ref.)
Panic attacks without fear: an overview. Kushner MG, et al. **Behav Res Ther** 1990;28(6):469–79 (31 ref.)
Diagnosis and management of panic disorder. Shelton RC. **Compr Ther** 1990 Dec;16(12):11–7 (20 ref.)
The American drug panic of the 1980s: social construction or objective threat? Goode E. **Int J Addict** 1990 Sep; 25(9):1083–98 (65 ref.)
Suicide and panic disorder: a review. Noyes R Jr. **J Affect Disord** 1991 May–Jun;22(1–2):1–11 (68 ref.)
Long-term pharmacologic treatment of panic disorder. Ballenger JC. **J Clin Psychiatry** 1991 Feb;52 Suppl:18–23; discussion 24–5 (26 ref.)
Managing long-term therapy for panic disorder. Burrows GD. **J Clin Psychiatry** 1990 Nov;51 Suppl:9–12 (21 ref.)
Panic disorder: a treatment update. Burrows GD, et al. **J Clin Psychiatry** 1991 Jul;52 Suppl:24–6 (18 ref.)
Noradrenergic function in panic disorder. Charney DS, et al. **J Clin Psychiatry** 1990 Dec;51 Suppl A:5–11 (115 ref.)
Continuation treatment of panic disorder with high-potency benzodiazepines. Davidson JR. **J Clin Psychiatry** 1990 Dec; 51 Suppl A:31–7 (26 ref.)
Thinking about stopping treatment for panic disorder. DuPont RL. **J Clin Psychiatry** 1990 Dec;51 Suppl A:38–45 (45 ref.)
Maintenance treatment with antidepressants in panic disorder. Noyes R Jr, et al. **J Clin Psychiatry** 1990 Dec; 51 Suppl A:24–30 (65 ref.)
Decisions for the clinician in the treatment of panic disorder: when to treat, which treatment to use, and how long to treat. Schatzberg AF, et al. **J Clin Psychiatry** 1991 Feb; 52 Suppl:26–31; discussion 32 (31 ref.)
The hidden patient: unrecognized panic disorder. Weissman MM. **J Clin Psychiatry** 1990 Nov;51 Suppl:5–8 (18 ref.)
Behavioral, cognitive, and pharmacological treatments of panic disorder with agoraphobia: critique and synthesis. Michelson LK, et al. **J Consult Clin Psychol** 1991 Feb; 59(1):100–14 (119 ref.)
Effect of personality disorders on outcome of treatment. Reich JH, et al. **J Nerv Ment Dis** 1991 Feb;179(2):74–82 (36 ref.)
Panic and generalized anxiety: are they separate disorders? Weissman MM. **J Psychiatr Res** 1990;24 Suppl 2:157–62 (13 ref.)
Mitral valve prolapse, panic disorder, and chest pain. Alpert MA, et al. **Med Clin North Am** 1991 Sep;75(5):1119–33 (129 ref.)
Validating studies for panic disorder in patients with angiographically normal coronary arteries. Beitman BD, et al. **Med Clin North Am** 1991 Sep;75(5):1143–55 (57 ref.)
The relationship between panic disorder/agoraphobia and personality disorders. Mavissakalian M. **Psychiatr Clin North Am** 1990 Dec;13(4):661–84 (44 ref.)
The drug treatment of panic disorder. Matuzas W, et al. **Psychiatr Med** 1991;9(2):215–43 (172 ref.)
Psychological approaches to panic disorder: a review. McNally RJ. **Psychol Bull** 1990 Nov;108(3):403–19 (160 ref.)
[Panic attacks and panic disorder—diagnosis, validation and therapy] Buller R, et al. **Nervenarzt** 1990 Nov;61(11):647–57 (85 ref.) **(Ger)**

DRUG EFFECTS

A review of the psychopharmacology of panic disorder: individual differences and non specific factors. Cox BJ, et al. **Can J Psychiatry** 1991 Mar;36(2):130–8 (56 ref.)
A guide to benzodiazepine selection. Part II: Clinical aspects. Teboul E, et al. **Can J Psychiatry** 1991 Feb;36(1):62–73 (166 ref.)
Efficacy of benzodiazepines in panic disorder and agoraphobia. Ballenger JC. **J Psychiatr Res** 1990;24 Suppl 2:15–25 (34 ref.)
Short-acting versus long-acting benzodiazepines: discontinuation effects in panic disorders. Burrows GD, et al. **J Psychiatr Res** 1990;24 Suppl 2:65–72 (22 ref.)
Depression and panic anxiety: the effect of depressive co-morbidity on response to drug treatment of patients with panic disorder and agoraphobia. Klerman GL. **J Psychiatr Res** 1990;24 Suppl 2:27–41 (60 ref.)
Cardiovascular considerations in selection of anti-panic pharmacotherapy. Taylor CB, et al. **J Psychiatr Res** 1990; 24 Suppl 2:43–9 (24 ref.)
Drug treatment of panic disorder—a critical review of controlled clinical trials. Balestrieri M, et al. **Psychiatr Dev** 1989 Winter;7(4):337–50 (50 ref.)

PHYSIOLOGY

Effect of hypercapnia and other disturbances in the acid-base-balance on panic disorder. Zandbergen J, et al. **Hillside J Clin Psychiatry** 1989;11(2):185–97 (65 ref.)
Panic disorder: genetic considerations. Crowe RR. **J Psychiatr Res** 1990;24 Suppl 2:129–34 (24 ref.)
Neuroelectrical activity related to panic disorder. Knott VJ. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(5):697–707 (23 ref.)

PANNICULITIS

DIAGNOSIS

Differential diagnosis of panniculitis. Patterson JW. **Adv Dermatol** 1991;6:309–29; discussion 330 (111 ref.)

DRUG THERAPY

Use of anti-collagenase properties of doxycycline in treatment of alpha 1-antitrypsin deficiency panniculitis. Humbert P, et al. **Acta Derm Venereol (Stockh)** 1991; 71(3):189–94 (31 ref.)

PATHOLOGY

Histiocytic cytophagic panniculitis. Hilton DA, et al. **Postgrad Med J** 1990 Nov;66(781):958–61 (5 ref.)

PANNICULITIS, NODULAR NONSUPPURATIVE

PATHOLOGY

Cardiac manifestations of Weber-Christian disease: report and review of the literature. Lemley DE, et al. **J Rheumatol** 1991 May;18(5):756–60 (24 ref.)

PANNICULITIS, PERITONEAL

DIAGNOSIS

[Mesenteric panniculitis of the sigmoid. A case report and review of the literature] Karentzos S, et al. **Minerva Chir** 1990 Nov;45(21–22):1403–6 (21 ref.) (Eng. Abstr.) **(Ita)**

PANNICULITIS, SUBACUTE NODULAR MIGRATORY see **PANNICULITIS**

PANORAMIC RADIOGRAPHY see **RADIOGRAPHY, PANORAMIC**

PANTETHEINE

ANALOGS & DERIVATIVES

Preclinical and clinical studies with cysteamine and pantethine related to the central nervous system. Vécsei L, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(6):835–62 (119 ref.)

PANTOTHENIC ACID

DEFICIENCY

[Vitamins and immunity. Biotin, pantothenic acid and riboflavin] Pletsityi KD. **Vopr Pitan** 1990 Jul–Aug; (4):18–22 (55 ref.) **(Rus)**

PAPANICOLAOU SMEAR see **VAGINAL SMEARS**

PAPER

Health aspects of carbonless copy paper. Murray R. **Contact Dermatitis** 1991 May;24(5):321–33 (39 ref.)
Volatiles in packaging materials. Kim–Kang H. **Crit Rev Food Sci Nutr** 1990;29(4):255–71 (157 ref.)
Cancer epidemiology in the paper and pulp industry. Hogstedt C. **IARC Sci Publ** 1990;(104):382–9 (16 ref.)
Environmentally stable chlorinated contaminants from the pulp and paper industry. Rappe C. **IARC Sci Publ** 1990; (104):341–53 (17 ref.)
Carbonless copy paper: a review of published epidemiologic studies. Buring JE, et al. **J Occup Med** 1991 Apr; 33(4):486–95 (35 ref.)

PAPILLARY MUSCLES

PHYSIOLOGY

Role of the mitral subvalvular apparatus in left ventricular systolic mechanics. Sarris GE, et al. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):133–43 (63 ref.)

PAPILLEDEMA

see related
OPHTHALMOSCOPY

DIAGNOSIS

Behçet's disease. Report of twelve cases with three manifesting as papilledema. Kalbian VV, et al. **Am J Med** 1970 Dec;49(6):823–9 (37 ref.)

ETIOLOGY

Optic disc oedema and diabetes mellitus: a case report with review. West PD, et al. **Aust N Z J Med** 1991 Apr; 21(2):248–50 (11 ref.)
[Leukoencephalopathy, calcifications of central grey nuclei, ophthalmologic manifestations following acute monoblastic leukemia treated with radiotherapy and methotrexate] Berkman N, et al. **Bull Soc Ophtalmol Fr** 1990 May; 90(5):483–8 (24 ref.) **(Fre)**
[Optic neuropathy and Parry–Romberg syndrome. Apropos of a case] Garcher C, et al. **J Fr Ophtalmol** 1990; 13(11–12):557–61 (14 ref.) (Eng. Abstr.) **(Fre)**

PAPILLOMA

see related
WARTS

Genital human papillomavirus infection [see comments] Zazove P, et al. **Am Fam Physician** 1991 Apr;43(4):1279–90 (66 ref.) Comment in: Am Fam Physician 1991 Apr;43(4):1217–8.
Recurrent respiratory papillomatosis: progression to invasion and malignancy. Gaylis B, et al. **Am J Otolaryngol** 1991 Mar–Apr;12(2):104–12 (34 ref.)
Inverted papillomas of the nasal septum. Bacon CK, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1990;42:1008–13 (28 ref.)

COMPLICATIONS

Florid cutaneous papillomatosis, malignant acanthosis nigricans, and pulmonary squamous cell carcinoma. Gheeraert P, et al. **Int J Dermatol** 1991 Mar;30(3):193–7 (25 ref.)
Inverted squamous papilloma with neuro–ophthalmic features. Peterson IM, et al. **J Clin Neuro Ophthalmol** 1991 Mar;11(1):35–8 (8 ref.)

DIAGNOSIS

Choroid plexus papillomas of the posterior fossa in adults: MR imaging and gadolinium enhancement. Report of four cases and review of the literature. Girardot C, et al. **J Neuroradiol** 1990;17(4):303–18 (27 ref.) **(Eng, Fre)**
[Erosive adenomatosis of the nipple. Report of 10 cases with immunohistochemistry] Moulin G, et al. **Ann Dermatol Venereol** 1990;117(8):537–45 (53 ref.) (Eng. Abstr.) **(Fre)**
[Nasosinusal inverted papilloma. A case report] Marti Peña M, et al. **An Otorrinolaringol Ibero Am** 1990;17(6):577–89 (30 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

The conversion stage of skin carcinogenesis. Marks F, et al. **Carcinogenesis** 1990 Dec;11(12):2085–92 (100 ref.)

GENETICS

Familial occurrence of tumours of the choroid plexus. Zwetsloot CP, et al. **J Med Genet** 1991 Jul;28(7):492–4 (8 ref.)

PATHOLOGY

Inverted papilloma of the urinary bladder with granular eosinophilic cells. An unusual neuroendocrine variant. Summers DE, et al. **Arch Pathol Lab Med** 1991 Aug; 115(8):802–6 (45 ref.)
Inverted papilloma of the renal pelvis. Bassi P, et al. **Urol Int** 1991;46(1):73–6 (24 ref.)
Bilateral ureteral inverted papillomas in association with bladder carcinoma: a case report and review of the literature. Mulkens TH, et al. **Urol Radiol** 1990;12(3):154–6 (10 ref.)
[Inverted papilloma associated with transitional cell carcinoma in the upper urinary tract: report of one case and review of the literature] Annoscia S, et al. **Arch Ital Urol Nefrol Androl** 1990 Sep;62(3):333–7 (18 ref.) (Eng. Abstr.) **(Ita)**

SURGERY

Management of choroid plexus tumors in children. Johnson DL. **Pediatr Neurosci** 1989;15(4):195–206 (63 ref.)
[A case of solitary bronchial papilloma and a review of the literature] Ohno N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1991 May; 29(5):618–21 (20 ref.) (Eng. Abstr.) **(Jpn)**
[Inverted papilloma of the ureter. Review and treatment criteria] Martín–Laborda y Bergasa F, et al. **Arch Esp Urol** 1990 Sep;43(7):749–54 (30 ref.) (Eng. Abstr.) **(Spa)**

PAPILLOMA, SHOPE see **TUMOR VIRUS INFECTIONS**

PAPILLOMA VIRUS DNA PROBES see **DNA PROBES, HPV**

PAPILLOMAVIRUSES

see related
CONDYLOMATA ACUMINATA

Perinatal transmission of human papillomavirus. Fletcher JL Jr. **Am Fam Physician** 1991 Jan;43(1):143–8 (28 ref.)
Papillomavirus–related genital neoplasia: present and future prevention. Crum CP, et al. **Cancer Detect Prev** 1990; 14(4):465–9 (46 ref.)
Cytologic and histologic manifestations of human papillomavirus infection of the uterine cervix. Koss LG. **Cancer Detect Prev** 1990;14(4):461–4 (41 ref.)
Human papillomavirus. A sexually transmitted disease with carcinogenic potential. Lilley LL, et al. **Cancer Nurs** 1990 Dec;13(6):366–72 (33 ref.)
Pathobiology of papillomavirus–related cervical diseases: prospects for immunodiagnosis. Crum CP, et al. **Clin Microbiol Rev** 1991 Jul;4(3):270–85 (129 ref.)
Herpes simplex and human papillomavirus genital infections: controversy over obstetric management. Osborne NG, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):801–11 (20 ref.)
Pathology of the cervix. Fujii S. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):442–7 (34 ref.)
Implications of human papillomavirus in cervical and vulvar cancer. Hatch KD. **Curr Opin Obstet Gynecol** 1990 Feb; 2(1):80–4 (17 ref.)
Pathology of the cervix. Richart RM, et al. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):561–7 (28 ref.)
Association of human papillomavirus with gynecologic cancer. Lorincz AT, et al. **Curr Opin Oncol** 1989 Oct; 1(1):123–32 (44 ref.)
Clinical manifestations and natural history of genital human papillomavirus infection. Campion MJ. **Dermatol Clin** 1991 Apr;9(2):235–49 (108 ref.)
Tissue effects of and host response to human papillomavirus infection. Jenson AB, et al. **Dermatol Clin** 1991 Apr; 9(2):203–9 (33 ref.)
Relation of papillomaviruses to anogenital cancer. Pfister H, et al. **Dermatol Clin** 1991 Apr;9(2):267–76 (126 ref.)
Ancillary diagnostic tests for detection of human papillomavirus infection. Sawchuk WS. **Dermatol Clin** 1991 Apr;9(2):277–86 (57 ref.)
Interferon treatment of anogenital human papillomavirus–related diseases. Trofatter KF Jr. **Dermatol Clin** 1991 Apr;9(2):343–52 (58 ref.)
Human papillomavirus infection among HIV–infected individuals. Implications for development of malignant tumors. Palefsky J. **Hematol Oncol Clin North Am** 1991 Apr;5(2):357–70 (66 ref.)
The cellular immune response to human papillomavirus infection. Vardy DA, et al. **Int J Dermatol** 1990 Nov; 29(9):603–10 (72 ref.)
Bowenoid papulosis. Schwartz RA, et al. **J Am Acad Dermatol** 1991 Feb;24(2 Pt 1):261–4 (46 ref.)
Genital human papillomavirus infection. A growing health risk. Tinkle MB. **J Obstet Gynecol Neonatal Nurs** 1990 Nov–Dec;19(6):501–7 (25 ref.)
Human papillomavirus (HPV) infections and their associations with oral disease. Chang F, et al. **J Oral Pathol Med** 1991 Aug;20(7):305–17 (173 ref.)
Human papillomavirus infections of the genital tract. Brown DR, et al. **Med Clin North Am** 1990 Nov;74(6):1455–85 (162 ref.)
Identification of people at high risk of genital HPV infections. Oriel JD. **Scand J Infect Dis Suppl** 1990;69:169–72 (30 ref.)
Epidemiology of human papilloma virus infections and genital neoplasia. Syrjänen K, et al. **Scand J Infect Dis Suppl** 1990;69:7–17 (54 ref.)
The role of papillomaviruses in anogenital cancer. zur Hausen H. **Scand J Infect Dis Suppl** 1990;69:107–11 (38 ref.)
[Anal lesions and human papillomaviruses. Virologic, epidemiologic and cancerologic aspects] Euvrard S, et al. **Ann Dermatol Venereol** 1991;118(6–7):497–502 (68 ref.) **(Fre)**
[Treatment of genital Papillomavirus lesions] Barrasso R, et al. **Presse Med** 1991 Jun 29;20(25):1171–5 (41 ref.) (Eng. Abstr.) **(Fre)**
[The management of pregnant women presenting with genital HPV infections] Audra P. **Rev Fr Gynecol Obstet** 1990 Oct;85(10):561–3 (9 ref.) (Eng. Abstr.) **(Fre)**
[The diagnosis of genital papillomavirus infections using molecular hybridization] Drouet E, et al. **Rev Fr Gynecol Obstet** 1990 Oct;85(10):564–8 (10 ref.) (Eng. Abstr.) **(Fre)**
[Current developments in anogenital HPV infections] Gross GE. **Hautarzt** 1990 Oct;41(10):527–36 (46 ref.) (Eng. Abstr.) **(Ger)**
[Papillomatosis between remission and malignant transformation—case reports and review of papillomatous tumors of the lower respiratory tract] Dobbertin I, et al. **Pneumologie** 1990 Sep;44(9):1086–105 (111 ref.) **(Ger)**
[Papillomavirus infection and cancer of the cervix] Castro Marqueta P. **Med Clin (Barc)** 1991 Apr 27;96(16):631–4 (42 ref.) **(Spa)**

CLASSIFICATION

In–situ hybridization for the diagnosis and typing of human papillomavirus. Amortegui AJ, et al. **Clin Biochem** 1990 Aug;23(4):301–6 (24 ref.)

GENETICS

Transforming activity of bovine and human papillomaviruses in cultured cells. DiMaio D. **Adv Cancer Res** 1991; 56:133–59 (139 ref.)
Role of the human papillomavirus oncoproteins in transformation and carcinogenic progression. Werness BA, et al. **Important Adv Oncol** 1991;:3–18 (190 ref.)
Papillomavirus DNA replication. Lambert PF. **J Virol** 1991 Jul;65(7):3417–20 (37 ref.)
Papillomavirus research: a growth area. Smith KT, et al. **Microbiol Sci** 1984 Apr;1(1):5–8 (28 ref.)
Human papillomaviruses: pediatric perspectives on a family of multifaceted tumorigenic pathogens [see comments] Cripe TP. **Pediatr Infect Dis J** 1990 Nov;9(11):836–44 (123 ref.) Comment in: Pediatr Infect Dis J 1991 Apr;10(4):342–3.
[Cytologic and morphologic characteristics of human papillomavirus infection in cervix uteri pathology] Isakova LM. **Arkh Patol** 1991;53(1):75–9 (58 ref.) (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Controls in the papillomavirus life cycle. Bernard HU. **FEMS Microbiol Immunol** 1990 Nov;2(4):201–5 (11 ref.)

IMMUNOLOGY

Immunology of anogenital human papillomavirus (HPV) infection. Tindle RW, et al. **Aust N Z J Obstet Gynaecol** 1990 Nov;30(4):370–5 (45 ref.)
Local immunity and the uterine cervix: implications for cancer–associated viruses. Roche JK, et al. **Cancer Immunol Immunother** 1991;33(4):203–9 (40 ref.)
Cancer of the cervix: prospects for immunological control. Davies DH, et al. **Int J Exp Pathol** 1991 Apr;72(2):239–51 (74 ref.)

ISOLATION & PURIFICATION

In–situ hybridization for the diagnosis and typing of human papillomavirus. Amortegui AJ, et al. **Clin Biochem** 1990 Aug;23(4):301–6 (24 ref.)
Outcome in mild and moderate cervical dysplasias related to the presence of specific human papillomavirus types. Weaver MG, et al. **Mod Pathol** 1990 Nov;3(6):679–83 (43 ref.)
[Cellular dyskeratosis as predictive factor in condylomatosis histologically confirmed by biopsy] Ventura G, et al. **Minerva Ginecol** 1990 Dec;42(12):503–6 (15 ref.) (Eng. Abstr.) **(Ita)**

PATHOGENICITY

Recent developments in viruses and genetics in gynecologic cancer. Kitchener HC. **Curr Opin Oncol** 1990 Oct; 2(5):864–9 (20 ref.)
Human papillomaviruses in the pathogenesis of anogenital cancer. zur Hausen H. **Virology** 1991 Sep;184(1):9–13 (47 ref.)

PHYSIOLOGY

Role of the human papillomaviruses in human cancer. Howley PM. **Cancer Res** 1991 Sep 15;51(18 Suppl):5019s–5022s (62 ref.)
Molecular mechanisms of transformation by the human papillomaviruses. Howley PM, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:199–206 (37 ref.)
Host cell regulation of HPV transforming gene expression. zur Hausen H. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:207–19 (58 ref.)
Human papillomavirus oncoproteins. Vousden KH. **Semin Cancer Biol** 1990 Dec;1(6):415–24 (52 ref.)
[Genital infections caused by human papilloma virus. I. Biology and detection methods] Ojeda JM, et al.

PAPILLOMAVIRUSES

Rev Chil Obstet Ginecol 1990;55(1):17–23 (38 ref.) **(Spa)**

PAPILLON-LEAGE AND PSAUME SYNDROME see **OROFACIODIGITAL SYNDROMES**

PAPIO

BLOOD

Effects of preservation on the quality of baboon red blood cells, platelets, and plasma proteins. Valeri CR.
J Invest Surg 1989;2(3):223–6 (28 ref.)

PHYSIOLOGY

Myoclonus in Papio papio. Brailowsky S. **Mov Disord** 1991; 6(2):98–104 (33 ref.)

PARA-AMINOBENZOIC ACID see **4-AMINOBENZOIC ACID**

PARA-DIHYDROXYBENZENES see **HYDROQUINONES**

PARACETAMOL see **ACETAMINOPHEN**

PARACHUTING see **AVIATION**

PARACOCCIDIOIDES

IMMUNOLOGY

Antigenic structure of Paracoccidioides brasiliensis. San-Blas G, et al. **Immunol Ser** 1989;47:171–92 (54 ref.)

PARACOCCIDIOIDOMYCOSIS

Lobomycosis (keloidal blastomycosis): case reports and overview. Fuchs J, et al. **Cutis** 1990 Sep;46(3):227–34 (21 ref.)

PARACOCCUS DENITRIFICANS

ENZYMOLOGY

The functions and synthesis of bacterial c-type cytochromes with particular reference to Paracoccus denitrificans and Rhodobacter capsulatus. Ferguson SJ.
Biochim Biophys Acta 1991 May 23;1058(1):17–20 (45 ref.)
Cytochrome c oxidase in Paracoccus denitrificans. Protein, chemical, structural, and evolutionary aspects. Buse G, et al. **J Bioenerg Biomembr** 1991 Apr;23(2):269–89 (69 ref.)
Cytochrome c oxidase metal centers: location and function. Müller M, et al. **J Bioenerg Biomembr** 1991 Apr; 23(2):291–302 (80 ref.)
The reactions of the oxidase and reductases of Paracoccus denitrificans with cytochromes c. Smith L, et al.
J Bioenerg Biomembr 1991 Apr;23(2):303–19 (65 ref.)
The cytochrome c reductase/oxidase respiratory pathway of Paracoccus denitrificans: genetic and functional studies. Steinrücke P, et al. **J Bioenerg Biomembr** 1991 Apr; 23(2):227–39 (33 ref.)
The three-subunit cytochrome bc1 complex of Paracoccus denitrificans. Its physiological function, structure, and mechanism of electron transfer and energy transduction. Trumpower BL. **J Bioenerg Biomembr** 1991 Apr; 23(2):241–55 (34 ref.)

GENETICS

Genes coding for cytochrome c oxidase in Paracoccus denitrificans. van der Oost J, et al.
J Bioenerg Biomembr 1991 Apr;23(2):257–67 (39 ref.)

METABOLISM

C1 metabolism in Paracoccus denitrificans: genetics of Paracoccus denitrificans. Harms N, et al.
J Bioenerg Biomembr 1991 Apr;23(2):187–210 (131 ref.)
Metabolic regulation including anaerobic metabolism in Paracoccus denitrificans. Stouthamer AH.
J Bioenerg Biomembr 1991 Apr;23(2):163–85 (113 ref.)
The respiratory chain and energy conservation in the mitochondrion-like bacterium Paracoccus denitrificans. van Verseveld HW, et al. **Microbiol Sci** 1987 Nov; 4(11):329–33 (26 ref.)

PARADENTIUM see **PERIODONTIUM**

PARADOXICAL SLEEP see **SLEEP, REM**

PARAGANGLIOMA

Nonfunctioning paraganglioma of the liver, gallbladder and common bile duct. Ferrell KD, et al. **Indiana Med** 1990 Nov;83(11):822–4 (8 ref.)
Paraganglioma of the larynx. A critical review of the literature. Barnes L.
ORL J Otorhinolaryngol Relat Spec 1991;53(4):220–34 (110 ref.)
Paraganglioma of urethra. Badalament RA, et al. **Urology** 1991 Jul;38(1):76–8 (15 ref.)

CLASSIFICATION

Terminology and classification of neuroendocrine neoplasms of the larynx. Ferlito A, et al.
ORL J Otorhinolaryngol Relat Spec 1991;53(4):185–7 (30 ref.)

COMPLICATIONS

Neurological manifestations of neuroendocrine neoplasms of the larynx. Deleu D, et al.
ORL J Otorhinolaryngol Relat Spec 1991;53(4):250–8 (42 ref.)

DIAGNOSIS

Paraganglioma of the cauda equina. Report of 2 cases and review of 59 cases from the literature. Raftopoulos C, et al. **Clin Neurol Neurosurg** 1990;92(3):263–70 (36 ref.)
Contribution of immunohistochemistry in the diagnosis of neuroendocrine neoplasms of the larynx. Ferlito A, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(4):235–44 (60 ref.)

PATHOLOGY

Paraganglioma of the cauda equina. A case report and review of the literature. Yoshida A, et al. **Acta Pathol Jpn** 1991 Apr;41(4):305–10 (32 ref.)
Paraganglioma of the duodenum: a case report with radiological findings and literature review. Imai S, et al. **Br J Radiol** 1990 Dec;63(756):975–7 (14 ref.)

SECONDARY

Multiple spinal metastases from paraganglioma. North CA, et al. **Cancer** 1990 Nov 15;66(10):2224–8 (37 ref.)

SURGERY

[Duodenal paraganglioma. Case report and review of the literature] Duff CA, et al. **Chirurg** 1991 Feb;62(2):144–7 (23 ref.) **(Ger)**

THERAPY

Treatment of neuroendocrine neoplasms of the larynx. Moisa II, et al. **ORL J Otorhinolaryngol Relat Spec** 1991; 53(4):259–64 (28 ref.)

PARAGANGLIOMA, NONCHROMAFFIN

COMPLICATIONS

[Retrocardiac pheochromocytoma associated with a double carotid site. Diagnostic and therapeutic discussion] Peiffert B, et al. **Ann Chir** 1990;44(8):611–4 (24 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Pure tympanicum chemodectoma. Personal experience and review of the literature] Scazzeri F, et al.
Radiol Med (Torino) 1991 Jun;81(6):918–21 (16 ref.) **(Ita)**
[A case of pulmonary paraganglioma] Maemura K, et al.
Kyobu Geka 1990 Nov;43(12):991–5 (13 ref.) (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Radioimmunodetection of chemodectoma by In-111 labeled anti-CEA antibody. Case report and review of the literature. Kairemo KJ, et al. **Clin Nucl Med** 1990 Dec; 15(12):900–3 (29 ref.)

RADIOTHERAPY

Temporal bone chemodectomas--comparing surgery and radiation therapy. Springate SC, et al.
Oncology (Williston Park) 1991 Apr;5(4):131–7; discussion 140, 143 (34 ref.)
[The value of radiotherapy in the treatment of tympano-jugulare chemodectoma. Apropos of 18 cases] Baillet F, et al. **Ann Otolaryngol Chir Cervicofac** 1990; 107(5):315–8 (20 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Temporal bone chemodectomas--comparing surgery and radiation therapy. Springate SC, et al.
Oncology (Williston Park) 1991 Apr;5(4):131–7; discussion 140, 143 (34 ref.)

PARAIMMUNOGLOBULINEMIAS see **PARAPROTEINEMIAS**

PARA-INFLUENZA VIRUS TYPE 1

IMMUNOLOGY

[Studies on the development of an ELISA kit for microbiological monitoring of laboratory animals] Takakura A, et al. **Jikken Dobutsu** 1991 Jan;40(1):7–15 (27 ref.) **(Jpn)**

ULTRASTRUCTURE

Sendai virion structure and its interaction with cellular membranes. Hosaka Y. **Electron Microsc Rev** 1988; 1(1):17–38 (147 ref.)

PARAKEETS

MICROBIOLOGY

[A case report of psittacosis and chlamydial isolation from a dead pet bird] Hayashi Y, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1990 Mar; 28(3):535–40 (32 ref.) (Eng. Abstr.) **(Jpn)**

PARAKERATOSIS VARIEGATA see **PARAPSORIASIS**

PARALYSIS

DIAGNOSIS

[Cervical actinomycosis starting as a monoparesis of the upper left extremity] Stiefel P, et al. **Rev Clin Esp** 1990 Nov;187(7):343–5 (23 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Retrovirus-induced motor neuron disease of mice: molecular basis of neurotropism and paralysis. Jolicoeur P, et al.
Adv Neurol 1991;56:481–93 (39 ref.)
Posterior fossa arachnoid cyst presenting with an isolated twelfth nerve paresis. Case report and review of the literature. Cartwright MJ, et al. **Clin Neurol Neurosurg** 1991;93(1):69–72 (18 ref.)
Hyperthyroidism and periodic paralysis. Capobianco DJ.
J Fla Med Assoc 1990 Oct;77(10):884–8 (34 ref.)
Cruciate paralysis: a clinical and radiographic analysis of injuries to the cervicomedullary junction. Dickman CA, et al. **J Neurosurg** 1990 Dec;73(6):850–8 (28 ref.)
Intradural herniation of a thoracic disc presenting as flaccid paraplegia: case report. Hamilton MG, et al.
Neurosurgery 1990 Sep;27(3):482–4 (31 ref.)
Infectious mononucleosis with airway obstruction and multiple cranial nerve paresis. Maddern BR, et al.
Otolaryngol Head Neck Surg 1991 Apr;104(4):529–32 (22 ref.)
[Isolated paralysis of the great hypoglossal nerve disclosing multiple myeloma] Forrett-Kaminsky MC, et al.
Rev Neurol (Paris) 1991;147(3):238–9 (10 ref.) (Eng. Abstr.) **(Fre)**
[Paralysis of the right arm caused by vertebral arteriovenous fistula] Riss JM, et al. **Rev Neurol (Paris)** 1990; 146(11):706–10 (25 ref.) (Eng. Abstr.) **(Fre)**
[Bilateral radial nerve paralysis. Diagnostic and differential diagnostic aspects] Sturzenegger M, et al.
Schweiz Med Wochenschr 1990 Sep 15;120(37):1325–34 (53 ref.) (Eng. Abstr.) **(Ger)**

PARALYSIS AGITANS see **PARKINSON DISEASE**

PARALYSIS, BULBAR

GENETICS

Oculofacialbulbar palsy in mother and son: review of 26 reports of familial transmission within the 'Möbius spectrum of defects'. MacDermot KD, et al. **J Med Genet** 1991 Jan; 28(1):18–26 (27 ref.)

PARALYSIS, OBSTETRIC

ETIOLOGY

[Diseases of the peripheral nervous system during pregnancy, labor and puerperium (review of the literature)] Burshinov AO, et al. **Zh Nevropatol Psikhiatr** 1991;91(4):109–13 (136 ref.) **(Rus)**

SURGERY

Brachial plexus microsurgery in children. Hentz VR, et al.
Microsurgery 1991;12(3):175–85 (24 ref.)

PARALYSIS, PSEUDOBULBAR see **PARALYSIS**

PARALYTIC ILEUS see **INTESTINAL PSEUDO-OBSTRUCTION**

PARAMAGNETIC RESONANCE see **ELECTRON SPIN RESONANCE**

PARAMECIUM

GENETICS

Calmodulin mutants and Ca2(+)-dependent channels in Paramecium. Preston RR, et al. **Annu Rev Physiol** 1991; 53:309–19 (57 ref.)

METABOLISM

The phagosome-lysosome membrane system and its regulation in Paramecium. Fok AK, et al.
Int Rev Cytol 1990;123:61–94 (99 ref.)

MICROBIOLOGY

Ultrastructure and composition of refractile bodies found in certain bacteria. Gibson I, et al. **Electron Microsc Rev** 1988; 1(1):39–68 (40 ref.)

PHYSIOLOGY

The regulation of ciliary motility in Paramecium by Ca2+ and cyclic nucleotides. Bonini NM, et al.
Adv Second Messenger Phosphoprotein Res 1991;23:227–72 (188 ref.)

Signaling mechanisms in microorganisms: common themes in the evolution of signal transduction pathways. Kincaid RL. **Adv Second Messenger Phosphoprotein Res** 1991; 23:165–84 (77 ref.)

Ion channels in Paramecium, yeast and Escherichia coli. Saimi Y, et al. **Trends Biochem Sci** 1988 Aug;13(8):304–9 (36 ref.)

PARAMEDICAL PERSONNEL see **ALLIED HEALTH PERSONNEL**

PARAMEDICS see **ALLIED HEALTH PERSONNEL**

PARAMEDICS, EMERGENCY see **EMERGENCY MEDICAL TECHNICIANS**

PARAMYOSIN see **TROPOMYOSIN**

PARAMYXOVIRIDAE

CLASSIFICATION

A review of the 1988 European seal morbillivirus epizootic. Kennedy S. **Vet Rec** 1990 Dec 8;127(23):563–7 (36 ref.)

GENETICS

Paramyxoviridae: transcription and replication. Galinski MS. **Adv Virus Res** 1991;39:129–62 (206 ref.)

PARAMYXOVIRUS INFECTIONS

DIAGNOSIS

[Pneumonia in adults caused by the respiratory syncytial virus] de Gorgolas Hernández-Mora M, et al.
An Med Interna 1990 Sep;7(9):471–3 (25 ref.) (Eng. Abstr.) **(Spa)**

EPIDEMIOLOGY

Respiratory syncytial virus infection. A brief review of epidemiology and current research in China. Zhaori GT, et al. **Chin Med J [Engl]** 1990 Jun;103(6):508–12 (15 ref.)

[Nosocomial virus infections in pediatric departments. Rotavirus and respiratory syncytial virus] Hjelt K.
Ugeskr Laeger 1991 Jul 22;153(30):2102–4 (26 ref.) (Eng. Abstr.) **(Dan)**

VETERINARY

Human and bovine respiratory syncytial virus: immunopathologic mechanisms. Baker JC. **Vet Q** 1991 Jan; 13(1):47–59 (110 ref.)

PARANASAL SINUS DISEASES

Current concepts in management of sinus disease. Hoyt WH 3d. **J Am Osteopath Assoc** 1990 Oct;90(10):913–9 (38 ref.)

Fungal diseases of the sinuses. Corey JP, et al.
Otolaryngol Head Neck Surg 1990 Dec;103(6):1012–5 (27 ref.)

Invasive Chrysosporium infection of the nose and paranasal sinuses in an immunocompromised host. Levy FE, et al. **Otolaryngol Head Neck Surg** 1991 Mar;104(3):384–8 (10 ref.)

DIAGNOSIS

Magnetic resonance imaging of the paranasal sinuses. Weissman JL, et al. **Top Magn Reson Imaging** 1990 Sep; 2(4):27–38 (20 ref.)

EPIDEMIOLOGY

[Incidence of non-tumor anomalies of the facial sinuses on x-ray computed tomography of the brain of asymptomatic patients. Clinical and radiologic correlations between involvements of ethmoid cells and other sinus cavities] Chapuis L, et al. **J Radiol** 1990 Aug–Sep;71(8–9):489–94 (18 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Cysts, benign tumors, and malignant tumors of the paranasal sinuses. Zizmor J, et al. **Otolaryngol Clin North Am** 1973 Jun;6(2):487–508 (7 ref.)

RADIONUCLIDE IMAGING

Nasal transit time in normal subjects and pathologic conditions. Englender M, et al.
Otolaryngol Head Neck Surg 1990 Dec;103(6):909–12 (18 ref.)

SURGERY

Functional endoscopic sinus surgery. Bear VD.
Med J Aust 1991 Aug 19;155(4):243–5 (6 ref.)

[Endoscopic nasal sinus surgery] Wang ZZ.
Chung Hua Erh Pi Yen Hou Ko Tsa Chih 1990 Aug; 25(4):243–5 (19 ref.) **(Chi)**

[Complications of endonasal surgery of the paranasal sinuses. Special anatomy, pathomechanisms, surgical management] Rauchfuss A. **HNO** 1990 Sep;38(9):309–16 (54 ref.) (Eng. Abstr.) **(Ger)**

VETERINARY

Upper airway conditions in older horses, broodmares, and stallions. Embertson RM.
Vet Clin North Am Equine Pract 1991 Apr;7(1):149–64 (66 ref.)

PARANASAL SINUS NEOPLASMS

Benign tumors of the nasal sinuses. Blaugrund S, et al.
Otolaryngol Clin North Am 1971 Feb;4(1):143–57 (22 ref.)

DIAGNOSIS

[The problems posed by nasosinusal chondrosarcoma: a review of the literature and a case report] Esteban Ortega F, et al. **An Otorrinolaringol Ibero Am** 1990;17(5):519–34 (38 ref.) (Eng. Abstr.) **(Spa)**

[Teratocarcinoma of the ethmoid. A clinical case report (published erratum appears in An Otorrinolaringol Ibero Am 1991;18(1):following Table of Contents)] Stuyt MT, et al. **An Otorrinolaringol Ibero Am** 1990;17(6):663–8 (6 ref.) (Eng. Abstr.) **(Spa)**

EPIDEMIOLOGY

Malignancy of the nose and sinuses. Epidemiological and aetiological considerations. Lund VJ. **Rhinology** 1991 Mar; 29(1):57–68 (69 ref.)

PATHOLOGY

Salivary-type neoplasms of the sinonasal tract. Manning JT, et al. **Ann Otol Rhinol Laryngol** 1991 Aug;100(8):691–4 (18 ref.)

RADIOGRAPHY

Diagnostic radiology in head and neck oncology. Castelijns JA. **Curr Opin Oncol** 1990 Jun;2(3):557–61 (6 ref.)

Cysts, benign tumors, and malignant tumors of the paranasal sinuses. Zizmor J, et al. **Otolaryngol Clin North Am** 1973 Jun;6(2):487–508 (7 ref.)

SURGERY

Craniofacial resection for tumors of the ethmoid and superior nasal vault. Levine PA. **Cancer Treat Res** 1990;52:47–53 (25 ref.)

Management of a large frontoethmoid osteoma with sinus cranialization and cranial bone graft reconstruction. Schwartz MS, et al. **Int J Pediatr Otorhinolaryngol** 1990 Sep;20(1):63–72 (12 ref.)

Telecanthal approach for meningiomas in the ethmoid and sphenoid sinuses. Fujitsu K, et al. **Neurosurgery** 1991 May; 28(5):714–9; discussion 719–20 (50 ref.)

The management of malignant tumors of the nasal sinuses. Harrison DF. **Otolaryngol Clin North Am** 1971 Feb; 4(1):159–77 (10 ref.)

THERAPY

Esthesioneuroblastoma: is there a role for elective neck treatment? Beitler JJ, et al. **Head Neck** 1991 Jul–Aug; 13(4):321–6 (30 ref.)

PARANASAL SINUSES

ANATOMY & HISTOLOGY

Radiographic anatomy of the nasal sinuses. Dolan KD.
Otolaryngol Clin North Am 1971 Feb;4(1):13–24 (5 ref.)

The surgical anatomy of the nasal sinuses. Ritter FN.
Otolaryngol Clin North Am 1971 Feb;4(1):3–11 (5 ref.)

EMBRYOLOGY

[Sinusitis] Emhart O. **Rev Chil Pediatr** 1989 Mar–Apr; 60(2):112–7 (12 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

[Rhino-sinusal immunology] Moneret-Vautrin DA, et al.
Rev Laryngol Otol Rhinol (Bord) 1991;112(1):33–9 (63 ref.) (Eng. Abstr.) **(Fre)**

INJURIES

Fractures of the paranasal sinuses. Zizmor J, et al.
Otolaryngol Clin North Am 1973 Jun;6(2):473–85 (9 ref.)

PATHOLOGY

Sinus aspergillosis and allergic fungal sinusitis. Hartwick RW, et al. **Ann Otol Rhinol Laryngol** 1991 May;100(5 Pt 1):427–30 (19 ref.)

Magnetic resonance imaging of the paranasal sinuses. Weissman JL, et al. **Top Magn Reson Imaging** 1990 Sep; 2(4):27–38 (20 ref.)

Rhinoscopy. McCarthy TC, et al.
Vet Clin North Am Small Anim Pract 1990 Sep; 20(5):1265–90 (1 ref.)

PHYSIOLOGY

[The physiological significance of paranasal sinuses in man: speculations for 1800 years] Glück U.
Schweiz Med Wochenschr 1991 Jun 22;121(25):925–31 (52 ref.) (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Normal radiographic anatomy of the paranasal sinuses. Yanagisawa E, et al. **Otolaryngol Clin North Am** 1973 Jun; 6(2):429–57 (13 ref.)

SURGERY

Functional endoscopic sinus surgery: a brief review. Hicks JN, et al. **Ala Med** 1991 Jan;60(7):24–6 (9 ref.)

Nose and paranasal augmentation: autogenous, fascia, and cartilage. Guerrerosantos J. **Clin Plast Surg** 1991 Jan; 18(1):65–86 (32 ref.)

[Endoscopic nasal sinus surgery] Wang ZZ.
Chung Hua Erh Pi Yen Hou Ko Tsa Chih 1990 Aug; 25(4):243–5 (19 ref.) **(Chi)**

PARANEOPLASTIC SYNDROMES

Paraneoplastic motor neuron disease. Rosenfeld MR, et al.
Adv Neurol 1991;56:445–59 (70 ref.)

Vasculitis as a paraneoplastic syndrome. Report of 11 cases and review of the literature. Sánchez-Guerrero J, et al.
J Rheumatol 1990 Nov;17(11):1458–62 (34 ref.)

Bazex syndrome (acrokeratosis paraneoplastica). An analytic review. Bologna JL, et al. **Medicine (Baltimore)** 1991 Jul; 70(4):269–80 (100 ref.)

Paraneoplastic syndromes of the nervous system: manifestations of the occult and the obvious. Zafar MJ, et al. **Mo Med** 1990 Nov;87(11):830–4 (26 ref.)

Paraneoplastic vasculitic neuropathy: a treatable neuropathy. Oh SJ, et al. **Muscle Nerve** 1991 Feb;14(2):152–6 (6 ref.)

[Gammel's non-paraneoplastic erythema gyratum repens] Bazex J, et al. **Ann Dermatol Venereol** 1991;118(6–7):469 (5 ref.) **(Fre)**

[Paraneoplastic neurologic syndromes] Dubas F.
Presse Med 1991 Jun 8;20(22):1041–6 (30 ref.) (Eng. Abstr.) **(Fre)**

[Hypercalcemia and neoplasms: recent advances in pathogenesis] Virgolini L, et al. **Recenti Prog Med** 1990 Oct;81(10):635–41 (41 ref.) (Eng. Abstr.) **(Ita)**

[Cholestasis and prostatic carcinoma. Description of a case and review of paraneoplastic cholestasis] Moris de la Tassa J, et al. **Med Clin (Barc)** 1991 Jan 12;96(1):22–5 (47 ref.) (Eng. Abstr.) **(Spa)**

BLOOD

[Paraneoplastic syndromes of the hematopoietic cell system] Silling-Engelhardt G, et al. **Internist (Berl)** 1990 Aug; 31(8):520–5 (47 ref.) **(Ger)**

[Paraneoplastic disorders of hemostasis] Zurborn KH, et al.
Internist (Berl) 1990 Aug;31(8):526–31 (31 ref.) **(Ger)**

COMPLICATIONS

Skeletal manifestations of ectopic or inappropriate endocrine and metabolic syndromes. Feldman F.
Radiol Clin North Am 1991 Jan;29(1):119–34 (54 ref.)

[Acquired paraneoplastic hypertrichosis lanuginosa associated with scleroderma] Valda Rodriguez L, et al.
Ann Dermatol Venereol 1990;117(9):605–10 (15 ref.) (Eng. Abstr.) **(Fre)**

[Leukocytoclastic vasculitis and malignant hematologic diseases. (12 cases)] Beylot J, et al. **Rev Med Interne** 1989 Nov–Dec;10(6):509–14 (28 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Paraneoplastic syndromes and tumor markers for small cell and non-small cell lung cancer. Hansen M.
Curr Opin Oncol 1990 Apr;2(2):345–51 (18 ref.)

[Determination of erythropoietin activity in serum. Methods, indications and interpretation of the data] Jelkmann W, et al. **Dtsch Med Wochenschr** 1991 Feb 8;116(6):230–4 (38 ref.) **(Ger)**

[Lambert-Eaton myasthenia syndrome--review with case report] Engler F. **Fortschr Neurol Psychiatr** 1990 Dec; 58(12):447–54 (65 ref.) (Eng. Abstr.) **(Ger)**

[Paraneoplastic syndromes of the nervous system] Hennerici M, et al. **Internist (Berl)** 1990 Aug;31(8):499–504 (39 ref.) **(Ger)**

[Paraneoplastic syndromes in dermatology. Cutaneous paraneoplasias] Herzberg JJ. **Internist (Berl)** 1990 Aug; 31(8):505–12 (22 ref.) **(Ger)**

[Paraneoplastic endocrinopathies] Müller OA, et al.
Internist (Berl) 1990 Aug;31(8):492–8 (35 ref.) **(Ger)**

[Paraneoplastic myopathies] Pongratz D, et al.
Internist (Berl) 1990 Aug;31(8):513–9 (11 ref.) **(Ger)**

ETIOLOGY

Paraneoplastic syndromes in thoracic malignancies.

Richardson GE, et al. **Curr Opin Oncol** 1991 Apr;3(2):320–7 (72 ref.)
Crow–Fukase syndrome associated with extramedullary plasmacytoma. Shirabe S, et al. **Jpn J Med** 1991 Jan–Feb; 30(1):64–6 (11 ref.)
[Fever, weight loss and rare paraneoplasias] Wörmann B, et al. **Internist (Berl)** 1990 Aug;31(8):532–7 (35 ref.) **(Ger)**

PATHOLOGY

[Paraneoplastic encephalomyelitis] Bergmann M, et al. **Fortschr Neurol Psychiatr** 1990 Nov;58(11):423–6 (16 ref.) (Eng. Abstr.) **(Ger)**

VETERINARY

Remote effects of cancer on the nervous system. Braund KG. **Semin Vet Med Surg (Small Anim)** 1990 Nov;5(4):262–70 (63 ref.)

PARANOIA see **PARANOID DISORDERS**

PARANOID DISORDER, SHARED see **SHARED PARANOID DISORDER**

PARANOID DISORDERS

DIAGNOSIS

Paranoid conditions seen in psychiatric medicine. Webb W. **Psychiatr Med** 1990;8(4):37–48 (28 ref.)

PSYCHOLOGY

Paranoid phenomena and pathological narcissism. Garfield D, et al. **Am J Psychother** 1991 Apr;45(2):160–72 (33 ref.)

PARANOID PSYCHOSES see **PARANOID DISORDERS**

PARANOID SCHIZOPHRENIA see **SCHIZOPHRENIA, PARANOID**

PARAPARESIS, TROPICAL SPASTIC

COMPLICATIONS

Primary lateral sclerosis: a distinct clinical entity in patients with chronic spastic paraparesis. Reyes–Iglesias Y, et al. **Bol Asoc Med P R** 1990 Aug;82(8):340–2 (12 ref.)

MICROBIOLOGY

Tropical neuromyelopathies and retroviruses: a review. Bucher B, et al. **Rev Infect Dis** 1990 Sep–Oct;12(5):890–9 (93 ref.)
[Human T-cell lymphotropic virus Type I (HTLV–I) as a cause of progressive myelopathy] Portegies P, et al. **Ned Tijdschr Geneeskd** 1991 Jul 20;135(29):1302–6 (35 ref.) **(Dut)**

PARAPHILIAS

see related

SEX OFFENSES

A comparison of typical death scene features in cases of fatal male and autoerotic asphyxia with a review of the literature. Byard RW, et al. **Forensic Sci Int** 1990 Dec; 48(2):113–21 (101 ref.)

COMPLICATIONS

Tourette's disorder and associated complex behaviors: a case report. McDougle CJ, et al. **Yale J Biol Med** 1990 May–Jun;63(3):209–14 (35 ref.)

DIAGNOSIS

Plethysmography in the assessment and treatment of sexual deviance: an overview. Simon WT, et al. **Arch Sex Behav** 1991 Feb;20(1):75–91 (62 ref.)

PSYCHOLOGY

Sexually deviant behavior and schizotypy: a theoretical perspective with supportive data. Henderson MC, et al. **Psychiatr Q** 1990 Winter;61(4):273–84 (40 ref.)

PARAPLEGIA

CHEMICALLY INDUCED

[Recurrent peripheral neuropathy caused by thallium poisoning] Labauge R, et al. **Rev Neurol (Paris)** 1991; 147(4):317–9 (14 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

[Current principles of urological management of patients with injuries of the spine and spinal cord] Bohatyrewicz A, et al. **Pol Tyg Lek** 1989 Oct 23–Nov 6;44(43–45):937–40 (18 ref.) (Eng. Abstr.) **(Pol)**

ETIOLOGY

Occult carcinoma esophagus metastatic to spine producing paraplegia—a case report and review of literature. Kaushal R, et al. **Indian J Med Sci** 1990 Nov;44(11):304–6 (10 ref.)
Paraplegia in a pregnant thalassemic woman due to extramedullary hematopoiesis: successful management with transfusions. Singounas EG, et al. **Surg Neurol** 1991 Sep; 36(3):210–5 (22 ref.)

REHABILITATION

[Practical experiences with wheelchair sports of paraplegic patients] Kober G. **Rehabilitation (Stuttg)** 1990 Nov; 29(4):232–5 (17 ref.) (Eng. Abstr.) **(Ger)**

PARAPLEGIA, SPASTIC see **PARAPLEGIA**

PARAPLEGIA, SPASTIC, HEREDITARY see **SPASTIC PARAPLEGIA, HEREDITARY**

PARAPROTEINEMIAS

The monoclonal gammopathies (paraproteins). Kyle RA, et al. **Adv Clin Chem** 1990;28:145–218 (337 ref.)
Malignancies of the immune system. Virella G, et al. **Immunol Ser** 1990;50:535–63 (12 ref.)

CLASSIFICATION

[The POEMS syndrome: an uncommon entity among plasmocytic dyscrasias (letter)] Touze JE, et al. **Ann Med Interne (Paris)** 1990;141(7):621–3 (12 ref.) **(Fre)**

COMPLICATIONS

Microlamellar structures in lobular glomerulonephritis associated with monoclonal IgG lambda paraproteinemia. A case report and review of the literature. Joh K, et al. **Acta Pathol Jpn** 1990 Dec;40(12):913–21 (17 ref.)
Monoclonal gammopathy and motor neuron disease. Sadiq SA, et al. **Adv Neurol** 1991;56:413–20 (68 ref.)
Association of von Willebrand's disease with plasma cell dyscrasia and gastrointestinal angiodysplasia. Rahmani R, et al. **Isr J Med Sci** 1990 Sep;26(9):504–9 (34 ref.)
Polyneuropathy associated with IgM monoclonal gammopathy: a review. Clinical, electrophysiological and pathological features. Leger JM, et al. **Nouv Rev Fr Hematol** 1990;32(5):303–6 (34 ref.)
[Primary amyloidosis vs. PCD–associated amyloidosis] Isobe T. **Nippon Rinsho** 1991 Apr;49(4):795–9 (9 ref.) **(Jpn)**
[A case of chronic demyelinating polyneuropathy with benign IgM anti–myelin–associated glycoprotein paraproteinenia—transient improvement with weekly plasmapheresis] Muramoto T, et al. **Rinsho Shinkeigaku** 1991 Jan;31(1):38–43 (19 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

[The POEMS syndrome] Antela López A, et al. **An Med Interna** 1989 Aug;6(8):439–42 (50 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Monoclonal B–cell proliferative disorders and aging. Radl J. **Ann N Y Acad Sci** 1991;621:418–27 (47 ref.)
Rheumatoid arthritis, malignancy, and paraproteins. Kelly C, et al. **Ann Rheum Dis** 1990 Sep;49(9):657–9 (25 ref.)

PATHOLOGY

Plasma cell dyscrasia in a 15–year–old boy: case report and review of the literature [letter] Rapoport AP, et al. **Am J Med** 1990 Dec;89(6):816–8 (8 ref.)
Secondary bone tumors, myeloma, cryoglobulinemia, and paraproteinemias. Harmon D. **Curr Opin Rheumatol** 1990 Feb;2(1):111–4 (10 ref.)

PHYSIOPATHOLOGY

Bence Jones proteins: a powerful tool for the fundamental study of protein chemistry and pathophysiology. Stevens FJ, et al. **Biochemistry** 1991 Jul 16;30(28):6803–5 (34 ref.)

PARAPROTEINS

ANALYSIS

Immunoglobulins in diagnosis and monitoring of neoplasia. Bergsagel DE, et al. **Immunol Ser** 1990;53:501–19 (80 ref.)

IMMUNOLOGY

Pathogenic paraproteins: gammopathies and cryoglobulinemia. Finn AF Jr, et al. **Curr Opin Rheumatol** 1990 Aug;2(4):652–60 (38 ref.)

PARAPSORIASIS

DIAGNOSIS

[Patch parapsoriasis simulating acanthosis nigricans in an adolescent girl] Lévigne V, et al. **Ann Dermatol Venereol** 1991;118(1):23–6 (15 ref.) **(Fre)**

PARAQUAT

POISONING

Manifestations and management of paraquat poisoning. Pond SM. **Med J Aust** 1990 Mar 5;152(5):256–9 (40 ref.)

PARASITE–HOST RELATIONS see **HOST–PARASITE RELATIONS**

PARASITES

CYTOLOGY

Replacement of vertebrate serum with lipids and other factors in the culture of invertebrate cells, tissues, parasites, and pathogens. Goodwin RH. **In Vitro Cell Dev Biol** 1991 Jun; 27A(6):470–8 (216 ref.)

ENZYMOLOGY

Oxygen detoxifying enzymes in parasites: a review. Leid RW, et al. **Acta Leiden** 1989;57(2):107–14 (46 ref.)

IMMUNOLOGY

Heat shock proteins as antigens of bacterial and parasitic pathogens. Shinnick TM. **Curr Top Microbiol Immunol** 1991;167:145–60 (102 ref.)
The effector function of nitrogen oxides in host defense against parasites. James SL. **Exp Parasitol** 1991 Aug; 73(2):223–6 (19 ref.)
Co–evolution of parasites and adaptive immune responses. Mitchell GF. **Immunol Today** 1991 Mar;12(3):A2–5 (18 ref.)
The evolution of acquired immunity to parasites. Mitchison NA. **Parasitology** 1990;100 Suppl:S27–34 (32 ref.)
[Vaccines in the biotechnologic era] Mazana J, et al. **Enferm Infecc Microbiol Clin** 1990 Jun–Jul;8(6):368–75 (56 ref.) **(Spa)**

PATHOGENICITY

Parasite–host coevolution. May RM, et al. **Parasitology** 1990; 100 Suppl:S89–101 (50 ref.)
[The problem of the carcinogenicity of parasites] Bychkov VG, et al. **Med Parazitol (Mosk)** 1990 May–Jun;(3):46–9 (44 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Host–parasite hormonal relationships: a common theme? Beckage NE. **Exp Parasitol** 1991 Apr;72(3):332–8 (64 ref.)
Heat shock proteins in host–parasite interactions. Polla BS. **Immunol Today** 1991 Mar;12(3):A38–41 (40 ref.)
Interaction between parasite and tick vector. Friedhoff KT. **Int J Parasitol** 1990 Jul;20(4):525–35 (54 ref.)
Marine parasites: an Australian perspective. Rohde K. **Int J Parasitol** 1990 Jul;20(4):565–75 (150 ref.)
Parasites, desiderata lists and the paradox of the organism. Dawkins R. **Parasitology** 1990;100 Suppl:S63–73 (43 ref.)

PARASITIC DISEASES

Infectious diarrhea. Rubinoff MJ, et al. **Annu Rev Med** 1991; 42:403–10 (49 ref.)
Parasitic zoonoses in perspective. Schantz PM. **Int J Parasitol** 1991 Apr;21(2):161–70 (73 ref.)
Parasitic diseases. Bailey R. **Practitioner** 1990 Sep; 234(1494):844–9 (3 ref.)
[Application of DNA recombination technique to parasitological research] Li BW, et al. **Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1990;8(3):223–6 (29 ref.) **(Chi)**
[Is there a role for parasites in the etiology of inflammatory rheumatism?] Doury P. **Bull Acad Natl Med** 1990 Jun–Jul; 174(6):743–51; discussion 751–4 (15 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Parasites and allergy: evidence for a 'cause and effect' relationship. Moqbel R, et al. **Clin Exp Allergy** 1990 Nov; 20(6):611–8 (80 ref.)
Parasitic associations with malignant neoplasms. Johnstone PA. **Trop Geogr Med** 1990 Oct;42(4):301–11 (70 ref.)
[Acute surgical abdomen in infectious and parasitic diseases] Viiachki I, et al. **Khirurgiia (Sofiia)** 1990;43(3):79–84 (21 ref.) (Eng. Abstr.) **(Bul)**
[Opportunistic parasitic diseases in Africa. Clinical aspects and diagnosis] Kapita B, et al. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:45–7 (10 ref.) (Eng. Abstr.) **(Fre)**
[The problem of the carcinogenicity of parasites] Bychkov VG, et al. **Med Parazitol (Mosk)** 1990 May–Jun;(3):46–9 (44 ref.) (Eng. Abstr.) **(Rus)**
[Therapy of infections caused by opportunistic pathogens: viruses and parasites] Aznar J. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:56–61 (65 ref.) **(Spa)**

DIAGNOSIS

Molecular diagnosis of parasites. Nantulya VM. **Experientia** 1991 Feb 15;47(2):142–5 (27 ref.)
The technique of polymerase chain reaction—a new diagnostic tool in microbiology and other scientific fields (review). Thiele D. **Int J Med Microbiol** 1990 Sep; 273(4):431–54 (97 ref.)
Signs and symptoms of parasitic diseases. Jones JE. **Prim Care** 1991 Mar;18(1):1–12 (5 ref.)
[Molecular probes in the study and diagnosis of parasitic

diseases] Ambroise-Thomas P.
Ann Parasitol Hum Comp 1990;65 Suppl 1:83–8 (12 ref.) (Eng. Abstr.) **(Fre)**
[Controversial clinical and epidemiologic problems in zoonotic parasitic diseases] Pawłowski Z.
Wiad Parazytol 1990;36(4):129–36 (18 ref.) (Eng. Abstr.) **(Pol)**
[The outlook for the development of the immunodiagnostic and immunoprophylactic trends in parasitology] Podoprigora GI, et al. **Med Parazitol (Mosk)** 1990 Sep–Oct; (5):26–30 (49 ref.) (Eng. Abstr.) **(Rus)**
[New diagnostic methods in infectious pathology due to parasites and fungi] Torronteras Santiago R.
An Esp Pediatr 1989 Sep;31 Suppl 38:157–60 (20 ref.) **(Spa)**

EPIDEMIOLOGY

The molecular epidemiology of parasites. Hide G, et al. **Experientia** 1991 Feb 15;47(2):128–42 (104 ref.)

ETIOLOGY

Parasitic diseases. Diseases associated with acquired immunodeficiency syndrome. Levine GI. **Prim Care** 1991 Mar;18(1):129–52 (60 ref.)
[Where do the parasites of man come from?] Combes C.
Ann Parasitol Hum Comp 1990;65 Suppl 1:59–64 (12 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Molecular genetics of inherited susceptibility to intracellular parasites. Schurr E, et al. **Behring Inst Mitt** 1991 Feb; (88):1–12 (42 ref.)

IMMUNOLOGY

Immunization against parasites: bridging the gap between attenuated and non-living vaccines. Sher A, et al.
Behring Inst Mitt 1991 Feb;(88):244–8 (16 ref.)
Effector functions of platelets in parasitic diseases and their regulation by cytokines. Auriault C, et al.
Diagn Microbiol Infect Dis 1990 Sep–Oct;13(5):423–7 (21 ref.)
The effector function of nitrogen oxides in host defense against parasites. James SL. **Exp Parasitol** 1991 Aug; 73(2):223–6 (19 ref.)
Immunological aspects of the host–parasite relationship. Virella G. **Immunol Ser** 1990;50:239–57 (9 ref.)
The evolution of inducible defence. Harvell CD.
Parasitology 1990;100 Suppl:S53–61 (61 ref.)
The evolution of acquired immunity to parasites. Mitchison NA. **Parasitology** 1990;100 Suppl:S27–34 (32 ref.)
[The immune response in pediatric infections] Martín Mateos MA. **An Esp Pediatr** 1989 Sep;31 Suppl 38:20–4 (14 ref.) **(Spa)**

PARASITOLOGY

[The tissue level of the organization of the parasite–host system] Oksov IV. **Parazitologiia** 1991 Jan–Feb;25(1):3–12 (56 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Strategies of obligate intracellular parasites for evading host defences. Hall BF, et al. **Immunol Today** 1991 Mar; 12(3):A22–7 (86 ref.)
Nonspecific defence mechanism: the role of nitric oxide. Liew FY, et al. **Immunol Today** 1991 Mar;12(3):A17–21 (75 ref.)
The acute phase protein response during parasitic infection. Stadnyk A, et al. **Immunol Today** 1991 Mar;12(3):A7–12 (57 ref.)

PREVENTION & CONTROL

Biotechnology as applied to vectors and vector control. Meredith SE, et al. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:113–8 (25 ref.)
Molecular biology and parasites. Seebeck T. **Experientia** 1991 Feb 15;47(2):163–6 (20 ref.)
Parasitic diseases. International travel. Preparing your patient. Pust RE, et al. **Prim Care** 1991 Mar;18(1):213–40 (47 ref.)
[Recent achievements and perspectives in medical entomology and vector control] Mouchet J, et al.
Ann Parasitol Hum Comp 1990;65 Suppl 1:107–11 (12 ref.) (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Behavioral adaptations to pathogens and parasites: five strategies. Hart BL. **Neurosci Biobehav Rev** 1990 Fall; 14(3):273–94 (297 ref.)

THERAPY

Infectious diarrhea. Managing a misery that is still worldwide. Qadri SM. **Postgrad Med** 1990 Oct; 88(5):169–75, 178–84 (29 ref.)
[The biological aspects of the therapy of parasitic diseases] Ozeretskovskaia NN. **Med Parazitol (Mosk)** 1990 Sep–Oct; (5):21–6 (74 ref.) (Eng. Abstr.) **(Rus)**

VETERINARY

Deep water parasites. Campbell RA.
Ann Parasitol Hum Comp 1990;65 Suppl 1:65–8 (38 ref.)
Report of the FAO Expert Consultation on Revision of Strategies for the Control of Ticks and Tick-borne Diseases, Rome, 25–29 September 1989. **Parassitologia** 1990 Apr;32(1):3–12 (0 ref.)
Summing-up of strategies for tick-borne disease control in Africa, especially east Africa. Lawrence JA.
Parassitologia 1990 Apr;32(1):113–5 (0 ref.)
Summing-up of strategies for tick-borne disease control in regions of the world other than Africa. Pipano E, et al.
Parassitologia 1990 Apr;32(1):117–25 (48 ref.)
[Establishment of posology: the case of antiparasitic agents] Galtier P. **Ann Rech Vet** 1990;21 Suppl 1:79S–86S (23 ref.) (Eng. Abstr.) **(Fre)**

PARASITIC EYE INFECTIONS see **EYE INFECTIONS, PARASITIC**

PARASITOLOGY

METHODS

Molecular biology and parasites. Seebeck T. **Experientia** 1991 Feb 15;47(2):163–6 (20 ref.)
Parasites and molecular biology. Terry RJ. **Experientia** 1991 Feb 15;47(2):115–8 (34 ref.)
Applications of nuclear magnetic resonance in parasitology. Thompson SN. **J Parasitol** 1991 Feb;77(1):1–20 (96 ref.)
[The detection of Giardia lamblia in water] Andrik P, et al.
Angew Parasitol 1990 Aug;31(3):182–4 (12 ref.) (Eng. Abstr.) **(Ger)**

TRENDS

The molecular revolution and nematode parasitology: yesterday, today, and tomorrow. Ogilvie BM, et al.
J Parasitol 1990 Oct;76(5):607–18 (75 ref.)

PARASYMPATHETIC BLOCKING AGENTS see **PARASYMPATHOLYTICS**

PARASYMPATHETIC GANGLIA see **GANGLIA, PARASYMPATHETIC**

PARASYMPATHETIC NERVOUS SYSTEM

DRUG EFFECTS

Influence of 5-HT1A receptor agonists on sympathetic and parasympathetic nerve activity. Ramage AG.
J Cardiovasc Pharmacol 1990;15 Suppl 7:S75–85 (68 ref.)

PATHOLOGY

Cardiac parasympathetic innervation in Chagas' heart disease. Davila DF, et al. **Med Hypotheses** 1991 Jun;35(2):80–4 (50 ref.)

PHYSIOLOGY

Modulation of cholinergic neurotransmission to the airways. Skoogh BE, et al. **Am Rev Respir Dis** 1991 Jun; 143(6):1427–8 (24 ref.)
Release of vasoactive peptides from autonomic and sensory nerves. Lundberg JM, et al. **Blood Vessels** 1991; 28(1–3):27–34 (34 ref.)
The cholinergic system and EEG slow waves. Riekkinen P, et al. **Electroencephalogr Clin Neurophysiol** 1991 Feb; 78(2):89–96 (54 ref.)
Cholinergic manipulation of digestive function in ruminants and other domestic livestock: a review [published erratum appears in J Anim Sci 1990 Dec;68(12):4445] Croom WJ Jr, et al. **J Anim Sci** 1990 Sep;68(9):3023–32 (54 ref.)
The role of cholinergic projections from the nucleus basalis in memory. Dekker AJ, et al. **Neurosci Biobehav Rev** 1991 Summer;15(2):299–317 (182 ref.)
The role of interactions between the cholinergic system and other neuromodulatory systems in learning and memory. Decker MW, et al. **Synapse** 1991 Feb;7(2):151–68 (235 ref.)
Cholinergic mechanisms in learning, memory and dementia: a review of recent evidence. Fibiger HC.
Trends Neurosci 1991 Jun;14(6):220–3 (47 ref.)
[Neurophysiology of the enteric nervous system] Schemann M. **Z Gastroenterol Verh** 1991 Mar;26:234–5 (5 ref.) **(Ger)**
[Brain mechanisms of control and adaptation: the integrative cholinergic pathway of neural, endocrine and psychic activity] Finkelstein Y, et al. **Harefuah** 1991 Feb 15; 120(4):208–12 (45 ref.) **(Heb)**

PHYSIOPATHOLOGY

Sympathetic--parasympathetic interaction and sudden death. Vanoli E, et al. **Basic Res Cardiol** 1990;85 Suppl 1:305–21 (53 ref.)
Dementia: animal models of the cognitive impairments following damage to the basal forebrain cholinergic system. Olton DS. **Brain Res Bull** 1990 Sep;25(3):499–502 (23 ref.)
Activation of pain fibers to the internal carotid artery intracranially may cause the pain and local signs of reduced sympathetic and enhanced parasympathetic activity in cluster headache. Hardebo JE. **Headache** 1991 May; 31(5):314–20 (48 ref.)
Pre- and post-synaptic cholinergic dysfunction in aged rodent brain regions: new findings and an interpretative review. Sherman KA, et al. **Int J Dev Neurosci** 1990; 8(6):689–708 (140 ref.)

RADIATION EFFECTS

Parasympathetic denervation of the ciliary muscle following retinal photocoagulation. Kaufman PL.
Trans Am Ophthalmol Soc 1990;88:513–53 (75 ref.)

PARASYMPATHOLYTICS

see related
ANTIPARKINSON AGENTS
ANTI-ULCER AGENTS

ADVERSE EFFECTS

The potential for mental status changes associated with systemic absorption of anticholinergic ophthalmic medications: concerns in the elderly. Barker DB, et al.
DICP 1990 Sep;24(9):847–50 (21 ref.)
[Systemic effects of eyedrops] Le Jeunne C, et al.
Ann Med Interne (Paris) 1990;141(8):674–7 (10 ref.) **(Fre)**

PHARMACOLOGY

Cholinergic neuropharmacology: an update. Palacios JM, et al. **Acta Psychiatr Scand Suppl** 1991;366:27–33 (66 ref.)
Terodiline. A review of its pharmacological properties, and therapeutic use in the treatment of urinary incontinence. Langtry HD, et al. **Drugs** 1990 Nov;40(5):748–61 (56 ref.)
Action of pinaverium bromide, a calcium-antagonist, on gastrointestinal motility disorders. Christen MO.
Gen Pharmacol 1990;21(6):821–5 (53 ref.)
AF64A-induced cholinergic hypofunction. Hanin I.
Prog Brain Res 1990;84:289–99 (92 ref.)

POISONING

[The treatment of central anticholinergic syndrome and psychotomimetic drug intoxication] Manor R, et al.
Harefuah 1991 Apr 15;120(8):476–8 (34 ref.) **(Heb)**

THERAPEUTIC USE

Gastrointestinal receptors and drugs in motility disorders. Ruoff HJ, et al. **Digestion** 1991;48(1):1–17 (132 ref.)
Advances in pediatric drug therapy of asthma. Levin RH.
Nurs Clin North Am 1991 Jun;26(2):263–72 (28 ref.)
Motion sickness. Helping patients tolerate the ups and downs. Ruckenstein MJ, et al. **Postgrad Med** 1991 May 1; 89(6):139–44 (10 ref.)
Antimuscarinic drugs in the treatment of movement disorders. Fahn S, et al. **Prog Brain Res** 1990;84:389–97 (44 ref.)

PARASYMPATHOMIMETICS

Cholinergic agents in clinical anaesthesiology. Wiklund L, et al. **Prog Brain Res** 1990;84:399–405 (68 ref.)

ADVERSE EFFECTS

[Systemic effects of eyedrops] Le Jeunne C, et al.
Ann Med Interne (Paris) 1990;141(8):674–7 (10 ref.) **(Fre)**

ANALYSIS

Biological receptors in biosensors. Rowell FJ.
Biochem Soc Trans 1991 Feb;19(1):32–5 (18 ref.)

PHARMACOLOGY

Mechanisms of facilitation and muscarinic or alpha-adrenergic inhibition of acetylcholine and noradrenaline secretion from peripheral nerves. Alberts P.
Acta Physiol Scand Suppl 1982;506:1–39 (253 ref.)
Cholinergic neuropharmacology: an update. Palacios JM, et al. **Acta Psychiatr Scand Suppl** 1991;366:27–33 (66 ref.)
Basic and clinical aspects of cholinergic agents in bladder dysfunction. Andersson KE, et al. **Prog Brain Res** 1990; 84:201–7 (61 ref.)
Achievements in cholinergic research, 1969–1989: drug development. Jenden DJ. **Prog Brain Res** 1990;84:479–86 (89 ref.)

POISONING

[The treatment of central anticholinergic syndrome and psychotomimetic drug intoxication] Manor R, et al.
Harefuah 1991 Apr 15;120(8):476–8 (34 ref.) **(Heb)**

THERAPEUTIC USE

Cholinergic strategies in the treatment of Alzheimer's disease. Davidson M, et al. **Acta Psychiatr Scand Suppl** 1991; 366:47–51 (37 ref.)
Cholinergic drug studies in dementia and depression. Newhouse PA. **Adv Exp Med Biol** 1990;282:65–76 (37 ref.)
Gastrointestinal receptors and drugs in motility disorders. Ruoff HJ, et al. **Digestion** 1991;48(1):1–17 (132 ref.)
Treatment of Alzheimer's disease with cholinergic drugs.

Kumar V, et al. **Int J Clin Pharmacol Ther Toxicol** 1991 Jan;29(1):23–37 (96 ref.)
The treatment of cognitive impairment in Alzheimer's disease: beyond the cholinergic approach. Davidson M, et al. **Psychiatr Clin North Am** 1991 Jun;14(2):461–82 (175 ref.)

PARATHYROID DISEASES

COMPLICATIONS

[A parathyroid cyst and an adenoma associated with primary hyperparathyroidism: report of a case] Inoue H, et al. **Hinyokika Kiyo** 1990 Oct;36(10):1197–202 (30 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

[Mediastinal parathyroid cyst] Togashi K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jul;39(7):1117–20 (16 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Parathyroid gland disease and hypercalcemia. Reasner CA, et al. **Curr Opin Rheumatol** 1990 Feb;2(1):20–5 (19 ref.)

PARATHYROID GLANDS

Scintigraphic localization of ectopic parathyroid lesions with thallium-201. Moisa II, et al. **Head Neck** 1991 May–Jun; 13(3):184–90 (30 ref.)

PATHOLOGY

Endocrine imaging: parathyroid, adrenal cortex and medulla, and other endocrine tumors. Part II. Beierwaltes WH. **J Nucl Med** 1991 Aug;32(8):1627–39 (80 ref.)
[Mechanism of parathyroid cell proliferation in primary hyperparathyroidism] Baglin A, et al. **Presse Med** 1991 May 4;20(17):803–8 (15 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Extracellular Ca2+ sensing, regulation of parathyroid cell function, and role of Ca2+ and other ions as extracellular (first) messengers. Brown EM. **Physiol Rev** 1991 Apr; 71(2):371–411 (259 ref.)

RADIONUCLIDE IMAGING

Scintigraphic imaging of the thyroid, parathyroid, and adrenal glands. Gross MD, et al. **Curr Opin Radiol** 1990 Dec;2(6):851–9 (24 ref.)

TRANSPLANTATION

Parathyroid autotransplantation [see comments] Senapati A, et al. **Br J Surg** 1990 Oct;77(10):1171–4 (80 ref.) Comment in: Br J Surg 1991 Feb;78(2):250–1.
Severe primary hyperparathyroidism in a neonate having a parent with hypercalcemia: treatment by total parathyroidectomy and simultaneous heterotopic autotransplantation. Fujimoto Y, et al. **Surgery** 1990 Nov; 108(5):933–8 (23 ref.)

PARATHYROID HORMONES

ADMINISTRATION & DOSAGE

[Therapy of osteoporosis using the ADFR schedule (especially with parathyroid hormone and etidronate)] Ziegler R. **Internist (Berl)** 1991 Feb;32(2):76–9 (13 ref.) **(Ger)**

BLOOD

Determination of circulating parathyroid hormone. Rizzoli R, et al. **Int J Rad Appl Instrum [B]** 1990;17(7):645–50 (20 ref.)
Seasonal fluctuations in parathyroid hormone in relation to vitamin D intake of postmenopausal women. **Nutr Rev** 1990 Dec;48(12):435–8 (7 ref.)

PHARMACOLOGY

Calcium-regulating hormones in hypertension: vascular actions. Bukoski RD, et al. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):220S–226S (89 ref.)
Parathyroid hormone-related protein (PTHrP): studies with synthetic peptides indicate that parathyroid hormone and PTHrP interact with the same receptor. Caulfield MP, et al. **Int J Rad Appl Instrum [B]** 1990;17(7):633–7 (56 ref.)

PHYSIOLOGY

Parathyroid hormone and the vascular response to norepinephrine. Iseki K. **Am J Hypertens** 1990 Aug;3(8 Pt 2):238S–240S (26 ref.)
The parathyroid polyhormones: new concepts in the spectrum of peptide hormone action. Mallette LE. **Endocr Rev** 1991 May;12(2):110–7 (41 ref.)
The parathyroid-calcitriol axis in health and chronic renal failure. Slatopolsky E, et al. **Kidney Int Suppl** 1990 Sep; 29:S41–7 (49 ref.)
Properties of parathyroid hormone-related protein and its role in malignant hypercalcaemia. Martin TJ. **Q J Med** 1990 Aug;76(280):771–86 (71 ref.)
Secondary hyperparathyroidism and the immune system in chronic renal failure. Massry SG, et al. **Semin Nephrol** 1991 Mar;11(2):186–201 (120 ref.)
[Hormones in bone metabolism. I. Calcitropic hormones] Zák J, et al. **Cas Lek Cesk** 1990 Dec 14;129(50):1574–7 (23 ref.) (Eng. Abstr.) **(Cze)**

SECRETION

Primary hyperparathyroidism. Aspects on pathophysiology, symptoms, and treatment. Akerström G, et al. **Surg Annu** 1991;23 Pt 2:133–55 (115 ref.)
Alteration of mineral metabolism in chronic renal failure. Slatopolsky E, et al. **Transplant Proc** 1991 Apr;23(2):1816–7 (15 ref.)

PARATHYROID NEOPLASMS

Parathyroid neoplasia. Macdonald JS. **Curr Opin Oncol** 1991 Feb;3(1):139–41 (10 ref.)

COMPLICATIONS

[A parathyroid cyst and an adenoma associated with primary hyperparathyroidism: report of a case] Inoue H, et al. **Hinyokika Kiyo** 1990 Oct;36(10):1197–202 (30 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

[Cancer of the parathyroid glands] Luk'ianchikov VS, et al. **Vopr Onkol** 1991;37(3):266–74 (65 ref.) **(Rus)**

PATHOLOGY

Metastatic calcification in a patient with malignant parathyroid carcinoma. Correlation of clinical, surgical, radiographic, and scintigraphic findings. Davidson RM, et al. **Clin Nucl Med** 1990 Oct;15(10):692–6 (22 ref.)
Thyroid and parathyroid cancer. Gluck WL. **Otolaryngol Clin North Am** 1990 Dec;23(6):1181–97 (56 ref.)

RADIONUCLIDE IMAGING

Nonfunctioning parathyroid carcinoma. Klink BK, et al. **Am Surg** 1991 Jul;57(7):463–7 (22 ref.)

PARATHYROIDECTOMY

Parathyroidectomy in chronic renal failure: indications, surgical approach and the use of calcitriol. Llach F. **Kidney Int Suppl** 1990 Sep;29:S62–8 (39 ref.)
Severe primary hyperparathyroidism in a neonate having a parent with hypercalcemia: treatment by total parathyroidectomy and simultaneous heterotopic autotransplantation. Fujimoto Y, et al. **Surgery** 1990 Nov; 108(5):933–8 (23 ref.)

TRENDS

[Current status and trends in the surgery of the endocrine system] Fujimoto Y. **Nippon Naibunpi Gakkai Zasshi** 1990 Dec 20;66(12):1236–42 (29 ref.) **(Jpn)**

PARATYPHOID FEVERS

ETIOLOGY

[Salmonella paratyphi A urinary infection in Schistosoma mansoni bilharziasis] Hennequin C, et al. **Rev Med Interne** 1991 Mar–Apr;12(2):141–2 (15 ref.) (Eng. Abstr.) **(Fre)**

PARATYPHOID VACCINE see **TYPHOID-PARATYPHOID VACCINES**

PARENT-CHILD RELATIONS

The sense of adoption. Schulte MJ, et al. **Acta Paedopsychiatr** 1989;52(3):209–16 (25 ref.)
Instrumental narcissism in parents. Elkind D. **Bull Menninger Clin** 1991 Summer;55(3):299–307 (23 ref.)
A developmental view of therapeutic bonding in the family: treatment of the disconnected family. Doane JA, et al. **Fam Process** 1991 Jun;30(2):155–75 (45 ref.)
Mandatory parental involvement prior to adolescent abortion. Worthington EL Jr, et al. **J Adolesc Health** 1991 Mar;12(2):138–42 (49 ref.)
Development of food choice during infancy. Wright P. **Proc Nutr Soc** 1991 Mar;50(1):107–13 (33 ref.)
Behavioral assessment and treatment of parent-adolescent conflict. Robin AL, et al. **Prog Behav Modif** 1990; 25:178–215 (105 ref.)
Effects of developmental disorder on parents: theoretical and applied considerations. Konstantareas MM, et al. **Psychiatr Clin North Am** 1991 Mar;14(1):183–98 (60 ref.)
The Parental Bonding Instrument: psychometric properties reviewed. Parker G. **Psychiatr Dev** 1989 Winter;7(4):317–35 (39 ref.)
The affective organization of parenting: adaptive and maladaptive processes. Dix T. **Psychol Bull** 1991 Jul; 110(1):3–25 (235 ref.)
Do parent-child relationships change during puberty? Paikoff RL, et al. **Psychol Bull** 1991 Jul;110(1):47–66 (180 ref.)
[The experiences of a child with trisomy 21 after attending the Center for Early Medico-social Intervention during the 1st years of life] Raynaud D. **Ann Pediatr (Paris)** 1990 Oct;37(8):518–21, 528 (71 ref.) (Eng. Abstr.) **(Fre)**
[Listening to children with trisomy 21 and their parents. Psychological aspects] Sausse S. **Ann Pediatr (Paris)** 1990 Oct;37(8):522–6, 528 (71 ref.) (Eng. Abstr.) **(Fre)**
[Treatment of divorce families—considerations from the viewpoint of object relations theory and contextual therapy] Suess GJ. **Prax Kinderpsychol Kinderpsychiatr** 1990 Oct;39(8):278–83 (45 ref.) (Eng. Abstr.) **(Ger)**

PARENT, SINGLE see **SINGLE PARENT**

PARENTERAL FEEDING

see related
FAT EMULSIONS, INTRAVENOUS

Parenteral nutrient admixtures as drug vehicles: theory and practice in the critical care setting. Driscoll DF, et al. **DICP** 1991 Mar;25(3):276–83 (68 ref.)
Overview of biochemical markers used for nutrition support. Mattox TW, et al. **DICP** 1991 Mar;25(3):265–71 (49 ref.)
Alternative lipid sources for enteral and parenteral nutrition: long- and medium-chain triglycerides, structured triglycerides, and fish oils. Bell SJ, et al. **J Am Diet Assoc** 1991 Jan;91(1):74–8 (24 ref.)
Potential of parenteral and enteral nutrition in inflammation and immune dysfunction: a new challenge for dietitians [published erratum appears in J Am Diet Assoc 1991 Aug;91(8):913] Haw MP, et al. **J Am Diet Assoc** 1991 Jun; 91(6):701–6, 709 (78 ref.)
Nutrient substrates. Making choices in the 1990s. Paxton J, et al. **J Burn Care Rehabil** 1991 Mar–Apr;12(2):198–202 (43 ref.)
Postoperative artificial nutrition support of the urological patient. Moskovitz B, et al. **J Urol** 1991 Jun;145(6):1125–33 (120 ref.)
Perioperative nutritional support. Buzby GP. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):197S–199S (7 ref.)
Branched-chain-enriched amino acid solutions in patients with liver failure: an early example of nutritional pharmacology. Fischer JE. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):249S–256S (39 ref.)
The competitive marketplace for research funding. Kopple JD. **JPEN J Parenter Enteral Nutr** 1991 Jul–Aug; 15(4):363–70 (22 ref.)
A clinical application of exercise physiology and nutritional support for the mechanically ventilated patient. McMahon MM, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct; 14(5):538–42 (54 ref.)
Guidelines for the scientific review of enteral food products for special medical purposes. Prepared for the Center for Food Safety and Applied Nutrition, Food and Drug Administration. Talbot JM. **JPEN J Parenter Enteral Nutr** 1991 May–Jun;15(3 Suppl):99S–174S, A1–E2 (346 ref.)
Dipeptides in clinical nutrition. Fürst P, et al. **Proc Nutr Soc** 1990 Oct;49(3):343–59 (54 ref.)
Novel substrates and nutritional support: possible role of ornithine alpha-ketoglutarate. Silk DB, et al. **Proc Nutr Soc** 1990 Oct;49(3):381–7 (49 ref.)
Nutrition and metabolism in sepsis and multisystem organ failure. Baue AE. **Surg Clin North Am** 1991 Jun; 71(3):549–65 (61 ref.)
Nutritional support in renal failure. Compher C, et al. **Surg Clin North Am** 1991 Jun;71(3):597–608 (81 ref.)
Nutritional support of patients with cancer of the gastrointestinal tract. Daly JM, et al. **Surg Clin North Am** 1991 Jun;71(3):523–36 (58 ref.)
Amino acids in surgical nutrition. Principles and practice. Dudrick PS, et al. **Surg Clin North Am** 1991 Jun; 71(3):459–76 (63 ref.)
Perioperative nutritional support. Ellis LM, et al. **Surg Clin North Am** 1991 Jun;71(3):493–507 (57 ref.)
Nutritional support of patients with AIDS. Hickey MS. **Surg Clin North Am** 1991 Jun;71(3):645–64 (130 ref.)
Nutritional management of acute and chronic pancreatitis. Latifi R, et al. **Surg Clin North Am** 1991 Jun;71(3):579–95 (90 ref.)
Nutritional support in liver failure. Latifi R, et al. **Surg Clin North Am** 1991 Jun;71(3):567–78 (48 ref.)
Nutritional consequences of major gastrointestinal surgery. Patient outcome and starvation. Shikora SA, et al. **Surg Clin North Am** 1991 Jun;71(3):509–21 (54 ref.)
Nutritional assessment and indications for nutritional support. Smith LC, et al. **Surg Clin North Am** 1991 Jun;71(3):449–57 (26 ref.)
Nutritional support in the injured patient. Van Way CW 3d. **Surg Clin North Am** 1991 Jun;71(3):537–48 (37 ref.)
Indications and need for long-term parenteral nutrition: implications for intestinal transplantation. Lennard-Jones JE. **Transplant Proc** 1990 Dec;22(6):2427–9 (11 ref.)
[L-tryptophan and the eosinophilia-myalgia syndrome—consequences for artificial nutrition?] Bässler KH. **Infusionstherapie** 1991 Feb;18(1):5–10 (37 ref.) (Eng. Abstr.) **(Ger)**
[Biochemical fundamentals of parenteral feeding] Bässler KH. **Klin Anasthesiol Intensivther** 1990;40:1–12 (0 ref.) **(Ger)**
[The efficiency of pre- and postoperative parenteral nutritional therapy] Behrendt W.

Klin Anasthesiol Intensivther 1990;40:153–71 (65 ref.) **(Ger)**

[Parenteral feeding. Fat] Eckart J. **Klin Anasthesiol Intensivther** 1990;40:25–51 (83 ref.) **(Ger)**

[Carbohydrates in parenteral nutrition] Georgieff M, et al. **Klin Anasthesiol Intensivther** 1990;40:13–24 (42 ref.) **(Ger)**

[Indications for artificial nutrition] Heberer M. **Klin Anasthesiol Intensivther** 1990;40:172–5 (18 ref.) **(Ger)**

[Parenteral feeding. Amino acids] Schmitz JE, et al. **Klin Anasthesiol Intensivther** 1990;40:52–72 (42 ref.) **(Ger)**

[Parenteral nutritional therapy with reference to post-aggression metabolism] Schürmann W, et al. **Klin Anasthesiol Intensivther** 1990;40:73–86 (10 ref.) **(Ger)**

[Parenteral nutritional therapy in organ insufficiency] Stein B. **Klin Anasthesiol Intensivther** 1990;40:87–109 (24 ref.) **(Ger)**

[Prognostic-nutritional indices] Staniaszczyk M, et al. **Wiad Lek** 1990 Dec 1–15;43(23–24):1120–6 (50 ref.) **(Pol)**

ADVERSE EFFECTS

Parenteral nutrition: effect on bone and mineral homeostasis. Klein GL, et al. **Annu Rev Nutr** 1991;11:93–119 (80 ref.)

The aluminum content of parenteral solutions: current status. Klein GL. **Nutr Rev** 1991 Mar;49(3):74–9 (33 ref.)

METHODS

Nutrition support of critically ill patients. Guidelines for optimal management. Edes TE. **Postgrad Med** 1991 Apr; 89(5):193–8, 200 (13 ref.)

[Clinical applicability of intraperitoneal administration of nutrients and drugs] Roisman I, et al. **Harefuah** 1991 Jan 15;120(2):76–80 (41 ref.) **(Heb)**

NURSING

Nurses and physicians on nutritional support: a comparison. Liaschenko J, et al. **J Med Philos** 1991 Jun;16(3):259–83 (50 ref.)

PARENTERAL FEEDING, HOME see **HOME PARENTERAL NUTRITION**

PARENTERAL HYPERALIMENTATION

Parenteral and enteral nutrition. Shizgal HM. **Annu Rev Med** 1991;42:549–65 (58 ref.)

Carnitine and total parenteral nutrition of the neonate. Schmidt-Sommerfeld E, et al. **Biol Neonate** 1990;58 Suppl 1:81–8 (32 ref.)

Total parenteral nutrition 1990. A review of its current status in hospitalised patients, and the need for patient-specific feeding. Driscoll DF, et al. **Drugs** 1990 Sep;40(3):346–63 (154 ref.)

Clinical trials of nutritional support in cancer. Parenteral and enteral therapy. Lipman TO. **Hematol Oncol Clin North Am** 1991 Feb;5(1):91–102 (49 ref.)

Role of parenteral nutrition in inflammatory bowel disease, acute renal failure, and hepatic encephalopathy. Clinical Efficacy Assessment Subcommittee of the Health and Public Policy Subcommittee, American College of Physicians. **Int J Technol Assess Health Care** 1990; 6(4):655–62 (32 ref.)

The route of feeding influences injury responses. Lowry SF. **J Trauma** 1990 Dec;30(12 Suppl):S10–5 (35 ref.)

Perioperative nutritional support. Buzby GP. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):197S–199S (7 ref.)

Short-bowel syndrome: a review of the role of nutrition support. Purdum PP 3d, et al. **JPEN J Parenter Enteral Nutr** 1991 Jan–Feb;15(1):93–101 (99 ref.)

Catabolic illness. Strategies for enhancing recovery. Wilmore DW. **N Engl J Med** 1991 Sep 5;325(10):695–702 (56 ref.)

New developments in fat emulsions. Carpentier YA, et al. **Proc Nutr Soc** 1990 Oct;49(3):375–80 (18 ref.)

Arrest and reversal of atherosclerosis with parenteral nutrition. Dudrick SJ, et al. **Surg Clin North Am** 1991 Jun; 71(3):665–75 (38 ref.)

Nutritional management of inflammatory bowel disease. Dudrick SJ, et al. **Surg Clin North Am** 1991 Jun; 71(3):609–23 (79 ref.)

Management of the short-bowel syndrome. Dudrick SJ, et al. **Surg Clin North Am** 1991 Jun;71(3):625–43 (105 ref.)

Total parenteral nutrition in the pediatric patient. Taylor L, et al. **Surg Clin North Am** 1991 Jun;71(3):477–91 (89 ref.)

[Artificial nutrition in bone marrow transplantation] Pastó Cardona L, et al. **Nutr Hosp** 1990 Sep–Oct;5(5):295–303 (54 ref.) (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Selenium in total parenteral nutrition. von Stockhausen HB. **Biol Trace Elem Res** 1988 Jan–Apr;15:147–55 (22 ref.)

Toxicities of parenteral nutrition in the critically ill patient. Phelps SJ, et al. **Crit Care Clin** 1991 Jul;7(3):725–53 (212 ref.)

Hepatobiliary dysfunction associated with total parenteral nutrition. Payne-James JJ, et al. **Dig Dis** 1991;9(2):106–24 (119 ref.)

Pathogenesis of hepatic steatosis during total parenteral nutrition. Nussbaum MS, et al. **Surg Annu** 1991;23 Pt 2:1–11 (42 ref.)

METHODS

Nutritional management of hepatic failure. Mizock BA. **Acute Care** 1988–89;14–15:71–90 (121 ref.)

Parenteral nutrition in the thermally injured patient. Becker WK, et al. **Compr Ther** 1991 Mar;17(3):47–53 (28 ref.)

Nutrition support of critically ill patients. Guidelines for optimal management. Edes TE. **Postgrad Med** 1991 Apr; 89(5):193–8, 200 (13 ref.)

[Nutrition of the intensive care patient] Gregor M. **Z Gastroenterol Verh** 1991 Mar;26:35–8 (39 ref.) **(Ger)**

STATISTICS & NUMERICAL DATA

Nutritional support in the cancer patient. Daly JM, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):244S–248S (58 ref.)

PARENTERAL INFUSIONS see **INFUSIONS, PARENTERAL**

PARENTS

see related
CHILD OF IMPAIRED PARENTS

Parental occupational exposures and risk of childhood cancer: a review. O'Leary LM, et al. **Am J Ind Med** 1991; 20(1):17–35 (49 ref.)

Occupational exposure and defects of the central nervous system in offspring: review. Roeleveld N, et al. **Br J Ind Med** 1990 Sep;47(9):580–8 (121 ref.)

The need to define the terms 'parent' and 'parenthood'. Boult BE. **Med Law** 1990;9(4):1028–35 (15 ref.)

Screening couples for parenthood by donor insemination. Humphrey M, et al. **Soc Sci Med** 1991;32(3):273–8 (25 ref.)

Parent-professional relationships in the treatment of seriously emotionally disturbed children and adolescents. Collins B, et al. **Soc Work** 1990 Nov;35(6):522–7 (50 ref.)

EDUCATION

Temper tantrums. Leung AK, et al. **Am Fam Physician** 1991 Aug;44(2):559–63 (13 ref.)

Febrile seizure. Caring for patients—and their parents. Monsen RF, et al. **Postgrad Med** 1991 Aug;90(2):217–8, 221–6 (26 ref.)

PSYCHOLOGY

The parent connection. Snodgrass DM. **Adolescence** 1991 Spring;26(101):83–7 (14 ref.)

Instrumental narcissism in parents. Elkind D. **Bull Menninger Clin** 1991 Summer;55(3):299–307 (23 ref.)

Failure to immunize children under 5 years: a literature review. Lochhead YJ. **J Adv Nurs** 1991 Feb;16(2):130–7 (31 ref.)

Psychological and judicial parenthood. van Nijnatten CH. **Med Law** 1990;9(4):1070–6 (15 ref.)

Parental reactions to the loss of an infant child: a review. Dyregrov A. **Scand J Psychol** 1990;31(4):266–80 (120 ref.)

PARESTHESIA

CHEMICALLY INDUCED

[Neuropathy caused by metronidazole. Report of a case and review of the literature] Pita-Ramírez L, et al. **Rev Invest Clin** 1990 Oct–Dec;42(4):281–4 (20 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

[Histiocytic necrotizing lymphadenitis; Kikuchi's disease] Muntendam H, et al. **Ned Tijdschr Geneeskd** 1991 Mar 30; 135(13):572–4 (14 ref.) (Eng. Abstr.) **(Dut)**

ETIOLOGY

On the significance of Lhermitte's sign in oncology. Ventafridda V, et al. **J Neurooncol** 1991 Apr;10(2):133–7 (34 ref.)

GENETICS

[Early acroparesthesia in females: a sign disclosing heterozygote Fabry disease] Larrégue M, et al. **Ann Dermatol Venereol** 1991;118(3):191–7 (40 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

The theory of chronic deafferentation dysesthesias. Levitt M. **J Neurosurg Sci** 1990 Apr–Jun;34(2):71–98 (207 ref.)

PARIETAL CELLS, GASTRIC

see related
GASTRIC ACID

DRUG EFFECTS

Acid secretory changes and early relapse following duodenal ulcer healing with ranitidine or sucralfate. Marks IN, et al. **Am J Med** 1991 Aug 8;91(2A):95S–101S (35 ref.)

Trophic effect of histamine on the stomach. Waldum HL, et al. **Scand J Gastroenterol Suppl** 1991;180:137–42 (38 ref.)

SECRETION

Role of gastrin as a trophic hormone. Walsh JH. **Digestion** 1990;47 Suppl 1:11–6; discussion 49–52 (14 ref.)

PARIETAL LOBE

PATHOLOGY

Primary embryonal-cell carcinoma of the parietal lobe. Case report. Koeleveld RF, et al. **J Neurosurg** 1991 Sep; 75(3):468–71 (23 ref.)

PHYSIOLOGY

Loss of parietal and frontal somatosensory evoked potentials in hemispheric deafferentation. Mauguière F, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:274–85 (38 ref.)

Posterior parietal cortex. Andersen RA, et al. **Rev Oculomot Res** 1989;3:315–35 (81 ref.)

Visual association pathways in human brain. Iwata M. **Tohoku J Exp Med** 1990 Aug;161 Suppl:61–78 (27 ref.)

PARITY

Reproductive factors and colorectal cancer. La Vecchia C, et al. **Cancer Causes Control** 1991 May;2(3):193–200 (44 ref.)

An assessment of low birthweight risk in primiparae as an indicator of malaria control in pregnancy. Brabin B. **Int J Epidemiol** 1991 Mar;20(1):276–83 (40 ref.)

[The older primipara] Popov I. **Akush Ginekol (Sofiia)** 1990; 29(6):72–6 (32 ref.) **(Bul)**

PARKINSON DISEASE

COMPLICATIONS

Differential aspects of cognitive impairment in patients suffering from Parkinson's and Alzheimer's disease: a neuropsychological evaluation. Caltagirone C, et al. **Int J Neurosci** 1989 Jan;44(1–2):1–7 (22 ref.)

Depression in Parkinson's disease. Bunting LK, et al. **J Neurosci Nurs** 1991 Jun;23(3):158–64 (29 ref.)

An analysis of the prevalence and etiology of depression in Parkinson's disease. Habermann-Little B. **J Neurosci Nurs** 1991 Jun;23(3):165–9 (30 ref.)

Dystonia in Parkinson's disease, multiple system atrophy, and progressive supranuclear palsy. Rivest J, et al. **Neurology** 1990 Oct;40(10):1571–8 (93 ref.)

Petit mal epilepsy and parkinsonian tremor: hypothesis of a common pacemaker. Buzsáki G, et al. **Neuroscience** 1990; 36(1):1–14 (124 ref.)

[Cognitive deficits in Parkinson's disease] Guillard A, et al. **Rev Neurol (Paris)** 1991;147(5):337–55 (224 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Parkinson's disease beginning before age 40. Gershanik OS, et al. **Adv Neurol** 1990;53:251–8 (46 ref.)

Distinctive aspects of cognitive dysfunction in Parkinson's disease. Growdon JH, et al. **Adv Neurol** 1990;53:365–76 (74 ref.)

Autonomic nervous system disturbances in Parkinson's disease. Korczyn AD. **Adv Neurol** 1990;53:463–8 (25 ref.)

Alzheimer disease and the dementia of Parkinson disease: comparative investigations. Mahler ME, et al. **Alzheimer Dis Assoc Disord** 1990 Fall;4(3):133–49 (105 ref.)

Preclinical markers in studies of Parkinson's disease. Ellenberg JH. **Geriatrics** 1991 Aug;46 Suppl 1:16–24 (57 ref.)

The potential use of a dopamine neuron antibody and a striatal-derived neurotrophic factor as diagnostic markers in Parkinson's disease. Carvey PM, et al. **Neurology** 1991 May;41(5 Suppl 2):53–8; discussion 59–60 (48 ref.)

Preclinical detection in studies of the etiology, natural history, and treatment of Parkinson's disease. Ellenberg JH. **Neurology** 1991 May;41(5 Suppl 2):14–20 (57 ref.)

Preclinical detection of Parkinson's disease: biochemical approaches. Parker WD Jr. **Neurology** 1991 May;41(5 Suppl 2):34–6; discussion 36–7 (31 ref.)

[Diagnosis and treatment of Parkinson's disease in the elderly] Morimatsu M. **Nippon Ronen Igakkai Zasshi** 1991 Mar; 28(2):123–8 (5 ref.) (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Retroperitoneal fibrosis in two patients with Parkinson's disease treated with bromocriptine. Kains JP, et al. **Acta Clin Belg** 1990;45(5):306–10 (14 ref.)

The efficacy of levodopa treatment declines in the course of Parkinson's disease: do nondopaminergic lesions play a role? Agid Y, et al. **Adv Neurol** 1990;53:83–100 (135 ref.)

Adrenal medullary tissue transplantation in Parkinson's disease: a review. Burns RS, et al. **Adv Neurol** 1990;

53:571–6 (25 ref.)
Motor response complications with chronic levodopa therapy. Chase TN, et al. **Adv Neurol** 1990;53:377–81 (32 ref.)
The antiparkinsonian activity of dopamine agonists and their interaction with central dopamine receptor subtypes. Goldstein M, et al. **Adv Neurol** 1990;53:101–6 (16 ref.)
Nigrostriatal dopaminergic activity, deprenyl treatment, and longevity. Knoll J. **Adv Neurol** 1990;53:425–9 (19 ref.)
Interactions of exogenous L-dopa with nigrostriatal dopaminergic neurons in Parkinson's disease. Melamed E. **Adv Neurol** 1990;53:61–6 (21 ref.)
Levodopa treatment of Parkinson's syndrome: past and future. Pletscher A. **Adv Neurol** 1990;53:469–73 (9 ref.)
Early dopamine agonist treatment in Parkinson's disease. Rinne UK. **Adv Neurol** 1990;53:417–9 (6 ref.)
Inhibitors of dopamine inactivating systems as antiparkinson drugs. Youdim MB. **Adv Neurol** 1990;53:483–8 (25 ref.)
Pergolide in the treatment of Parkinson's disease. Robin DW. **Am J Med Sci** 1991 Apr;301(4):277–80 (24 ref.)
Drug treatment of Parkinson's disease: current concepts. Chong PN. **Ann Acad Med Singapore** 1991 Jan;20(1):139–43 (62 ref.)
Deprenyl: protective vs. symptomatic effect. Kofman OS. **Can J Neurol Sci** 1991 Feb;18(1):83–5 (19 ref.)
Selegiline: initial or adjunctive therapy of Parkinson's disease? Fuller MA, et al. **DICP** 1991 Jan;25(1):36–40 (33 ref.)
Dopaminergic agonists in the treatment of Parkinson's disease. Goetz CG. **Neurology** 1990 Oct;40(10 Suppl 3):suppl 50–4; discussion 54–7 (37 ref.)
Levodopa therapy in Parkinson's disease. Koller WC, et al. **Neurology** 1990 Oct;40(10 Suppl 3):suppl 40–7; discussion 47–9 (81 ref.)
Selegiline HC1: Selective MAO-type B inhibitor. Koller WC, et al. **Neurology** 1990 Oct;40(10 Suppl 3):suppl 58–60 (36 ref.)
Selegiline as neuroprotective therapy in Parkinson's disease: concepts and controversies. Langston JW. **Neurology** 1990 Oct;40(10 Suppl 3):suppl 61–6; discussion 67–9 (37 ref.)
Parkinson and his disease revisited. James DG, et al. **Postgrad Med J** 1991 Mar;67(785):227–9 (14 ref.)
New approaches to therapy for neurodegenerative diseases. Schmechel DE. **South Med J** 1991 May;84(5 Suppl 1):S11–23 (96 ref.)
[Working hypothesis for the effect of GABAergic, glycinergic or glutamatergic drugs in the treatment of Parkinson disease] Vamvakidès A. **Ann Pharm Fr** 1990; 48(2):70–80 (95 ref.) (Eng. Abstr.) **(Fre)**
[Protective therapy in Parkinson's disease] Susel Z, et al. **Harefuah** 1990 Dec 16;119(12):445–6 (21 ref.) **(Heb)**
[Recent progress in treatment of Parkinson's disease] Narabayashi H. **Nippon Rinsho** 1990 Dec;48(12):2943–50 (16 ref.) **(Jpn)**
[Successful treatment of levodopa-induced neuroleptic malignant syndrome (NMS) with disseminated intravascular coagulation (DIC) in a patient with Parkinson's disease] Yamawaki Y, et al. **Rinsho Shinkeigaku** 1991 Jan;31(1):62–7 (30 ref.) (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Catechol-O-methyltransferase and its role in catecholamine metabolism. Nic a' Bháird N, et al. **Adv Neurol** 1990; 53:489–95 (26 ref.)
The role of MAO in dopaminergic transmission. Riederer P, et al. **Adv Neurol** 1990;53:149–53 (35 ref.)
Parkinson's disease and cytochrome P450: a possible link? Shahi GS, et al. **Med Hypotheses** 1990 Aug;32(4):277–82 (43 ref.)

EPIDEMIOLOGY

The epidemiology of primary degenerative dementia and related neurological disorders. Cooper B. **Eur Arch Psychiatry Clin Neurosci** 1991;240(4–5):223–33 (88 ref.)

ETIOLOGY

Environment, genetics and idiopathic Parkinson's disease. Poirier J, et al. **Can J Neurol Sci** 1991 Feb;18(1):70–6 (89 ref.)
Mitochondrial DNA and Parkinson's disease. Di Monte DA. **Neurology** 1991 May;41(5 Suppl 2):38–42; discussion 42–3 (39 ref.)
Predicting Parkinson's disease. Langston JW. **Neurology** 1990 Oct;40(10 Suppl 3):suppl 70–4; discussion 75–6 (29 ref.)
[An adult case of Chédiak-Higashi syndrome with parkinsonism and marked atrophy of the central nervous system] Uyama E, et al. **Rinsho Shinkeigaku** 1991 Jan; 31(1):24–31 (30 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

Genetic susceptibility to Parkinson's disease. Johnson WG. **Geriatrics** 1991 Aug;46 Suppl 1:52–9 (53 ref.)
The genetics of Parkinson's disease: a reconsideration. Golbe LI. **Neurology** 1990 Oct;40(10 Suppl 3):suppl 7–14; discussion 14–6 (104 ref.)
Genetic susceptibility to Parkinson's disease. Johnson WG. **Neurology** 1991 May;41(5 Suppl 2):82–7; discussion 88 (53 ref.)

METABOLISM

Parkinson's disease and Alzheimer's disease: neurodegenerative disorders due to brain antioxidant system deficiency? Ceballos I, et al. **Adv Exp Med Biol** 1990;264:493–8 (43 ref.)
Oxygen free radicals and Parkinson's disease. Adams JD Jr, et al. **Free Radic Biol Med** 1991;10(2):161–9 (93 ref.)
Liver enzyme abnormalities in Parkinson's disease. Tanner CM. **Geriatrics** 1991 Aug;46 Suppl 1:60–3 (29 ref.)
The role of monoamine oxidase, iron-melanin interaction, and intracellular calcium in Parkinson's disease. Youdim MB, et al. **J Neural Transm Suppl** 1990;32:239–48 (39 ref.)
Oxidation reactions in Parkinson's disease. Olanow CW. **Neurology** 1990 Oct;40(10 Suppl 3):suppl 32–7; discussion 37–9 (59 ref.)
Abnormal liver enzyme-mediated metabolism in Parkinson's disease: a second look. Tanner CM. **Neurology** 1991 May; 41(5 Suppl 2):89–91; discussion 92 (29 ref.)

PATHOLOGY

New developments in the pathology of Parkinson's disease. Jellinger K. **Adv Neurol** 1990;53:1–16 (71 ref.)
The role of iron in the basal ganglion. Youdim MB, et al. **Adv Neurol** 1990;53:155–62 (40 ref.)
Neuropathology of the substantia nigra. Gibb WR. **Eur Neurol** 1991;31 Suppl 1:48–59 (91 ref.)
[An autopsy case of idiopathic parkinsonism with numerous Lewy bodies in the cerebral cortex--diffuse Lewy body disease] Akashi T, et al. **No To Shinkei** 1991 Feb; 43(2):175–81 (18 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Parkinson's disease, motoneuron disease and Alzheimer's disease: origins and interrelationship. Calne DB, et al. **Adv Neurol** 1990;53:355–60 (29 ref.)
The nigrostriatal system in Parkinson's disease. Graybiel AM, et al. **Adv Neurol** 1990;53:17–29 (29 ref.)
Neurotrophic factors and Parkinson's disease. Hefti F, et al. **Adv Neurol** 1990;53:123–7 (30 ref.)
The "serotonin hypothesis" for depression in Parkinson's disease. Mayeux R. **Adv Neurol** 1990;53:163–6 (30 ref.)
Subcognitive processing in the frontocaudate "complex loop": the role of the striatum. Taylor AE, et al. **Alzheimer Dis Assoc Disord** 1990 Fall;4(3):150–60 (39 ref.)
History of serotonin and serotinin disorders. Sjoerdsma A, et al. **Ann N Y Acad Sci** 1990;600:1–7; discussion 7–8 (27 ref.)
Compensatory mechanisms in degenerative neurologic diseases. Insights from parkinsonism. Calne DB, et al. **Arch Neurol** 1991 Apr;48(4):361–3 (22 ref.)
Autonomic nervous system disorders in Parkinson's disease. Takahashi A. **Eur Neurol** 1991;31 Suppl 1:41–7 (32 ref.)
Iron in brain function and dysfunction with emphasis on Parkinson's disease. Youdim MB, et al. **Eur Neurol** 1991; 31 Suppl 1:34–40 (45 ref.)
Does a long preclinical period occur in Parkinson's disease? Koller WC, et al. **Geriatrics** 1991 Aug;46 Suppl 1:8–15 (108 ref.)
Pineal melatonin functions: possible relevance to Parkinson's disease. Sandyk R. **Int J Neurosci** 1990 Jan;50(1–2):37–53 (164 ref.)
Hypothalamic compensatory mechanisms in Parkinson's disease. Sandyk R. **Int J Neurosci** 1989 Jan;44(1–2):135–42 (68 ref.)
The neurotoxicity of MPTP and its relationship to the pathophysiology of Parkinson's disease. Sandyk R, et al. **Int J Neurosci** 1989 Jan;44(1–2):165–7 (10 ref.)
Parkinson's disease: pathophysiology. Agid Y. **Lancet** 1991 Jun 1;337(8753):1321–4 (44 ref.)
Young-onset Parkinson's disease: a clinical review. Golbe LI. **Neurology** 1991 Feb;41(2 (Pt 1)):168–73 (65 ref.)
Does a long preclinical period occur in Parkinson's disease? Koller WC, et al. **Neurology** 1991 May;41(5 Suppl 2):8–13 (108 ref.)
Movement disorders--limb movement and the basal ganglia. Stelmach GE, et al. **Phys Ther** 1991 Jan;71(1):60–7 (64 ref.)
Role of neostriatal and mesostriatal or mesolimbic dopaminergic fibres in Parkinson's disease with and without dementia: prospects, concepts and facts. Cools AR. **Yakubutsu Seishin Kodo** 1990 Mar;10(1):15–34 (117 ref.)
[Parkinsonian rigidity: clinical and physiopathologic aspects] Delwaide PJ, et al. **Rev Neurol (Paris)** 1990;146(10):548–54 (44 ref.) (Eng. Abstr.) **(Fre)**
[Parkinson disease and cognitive evoked potentials] Fattapposta F, et al. **Riv Neurol** 1990 Nov-Dec;60(6):240–2 (14 ref.) (Eng. Abstr.) **(Ita)**
[Brain neuropeptides and age-related pathology] Burchinskii SG. **Klin Med (Mosk)** 1991 May;69(5):23–9 (58 ref.) **(Rus)**

PREVENTION & CONTROL

MPTP-induced neurotoxicity and the quest for a preventative therapy for Parkinson's disease. Furtado JC, et al. **Can J Neurol Sci** 1991 Feb;18(1):77–82 (83 ref.)
Deprenyl: the exciting possibility of protective effect. Grimes JD. **Can J Neurol Sci** 1991 Feb;18(1):85–6 (14 ref.)

PSYCHOLOGY

Spatial cognition in Parkinson disease. Levin BE. **Alzheimer Dis Assoc Disord** 1990 Fall;4(3):161–70 (47 ref.)
Is there a premorbid personality typical for Parkinson's disease? Paulson GW, et al. **Neurology** 1991 May;41(5 Suppl 2):73–6 (21 ref.)
Psychological factors affecting neurological conditions. Depression and stroke, multiple sclerosis, Parkinson's disease, and epilepsy. McNamara ME. **Psychosomatics** 1991 Summer;32(3):255–67 (76 ref.)

SURGERY

Transplantation of adrenal tissue into the central nervous system. Fine A. **Brain Res Brain Res Rev** 1990 May-Aug; 15(2):121–33 (119 ref.)
Grafting of catecholaminergic cells in the mammalian brain and reconstruction of disturbed function: basic problems to be solved. Nishino H, et al. **Comp Biochem Physiol [C]** 1991;98(1):211–20 (58 ref.)
Transplants in Parkinson's disease. Lindvall O. **Eur Neurol** 1991;31 Suppl 1:17–27 (71 ref.)
Development of human neural transplantation. Madrazo I, et al. **Neurosurgery** 1991 Aug;29(2):165–76; discussion 176–7 (119 ref.)
Genetically altered and defined cell lines for transplantation in animal models of Parkinson's disease. Freed WJ, et al. **Prog Brain Res** 1990;82:11–21 (52 ref.)
Striatal adrenal medulla/sural nerve cografts in hemiparkinsonian monkeys. Hansen JT, et al. **Prog Brain Res** 1990;82:573–80 (33 ref.)
The clinical application of cell grafting techniques in patients with Parkinson's disease. Quinn NP. **Prog Brain Res** 1990; 82:619–25 (38 ref.)
Grafts and growth factors in CNS. Basic science with clinical promise. Olson L. **Stereotact Funct Neurosurg** 1990; 54–55:250–67 (51 ref.)
Brain grafting for Parkinson's disease. Experimental, clinical, and immunological considerations. Fiandaca MS. **Transplantation** 1991 Mar;51(3):549–56 (123 ref.)
[Intracerebral grafts in Parkinson's disease] Menei P, et al. **Presse Med** 1991 Mar 23;20(11):513–7 (29 ref.) (Eng. Abstr.) **(Fre)**
[Transplantation of dopamine producing nerve cells: a new therapy in idiopathic Parkinson syndrome?] Kupsch A, et al. **Nervenarzt** 1991 Feb;62(2):80–91 (127 ref.) **(Ger)**
[Transplantation of the sympathetic ganglion into the brain--induction of axonal outgrowth from the graft] Ooiwa Y, et al. **No To Shinkei** 1991 Feb;43(2):129–37 (63 ref.) **(Jpn)**
[Cellular transplants for Parkinson's disease] Guridi J, et al. **Neurologia** 1991 May;6(5):175–83 (77 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Parkinson's disease: new treatment strategies. Ahlskog JE. **Compr Ther** 1990 Dec;16(12):41–6 (17 ref.)
Mechanisms of action of ECT in Parkinson's disease: possible role of pineal melatonin. Sandyk R. **Int J Neurosci** 1990 Jan;50(1–2):83–94 (91 ref.)
Cellular replacement therapy for neurologic disorders: potential of genetically engineered cells. Chen LS, et al. **J Cell Biochem** 1991 Mar;45(3):252–7 (32 ref.)
Brain grafts and Parkinson's disease. Freed WJ, et al. **J Cell Biochem** 1991 Mar;45(3):261–7 (57 ref.)
Parkinson's disease: management. Clough CG. **Lancet** 1991 Jun 1;337(8753):1324–7 (41 ref.)
[Current treatment in Parkinson's disease] Stefanache F, et al. **Rev Med Chir Soc Med Nat Iasi** 1990 Apr-Jun; 94(2):411–6 (11 ref.) **(Rum)**

PARKINSON DISEASE, POSTENCEPHALITIC

see related
ENCEPHALITIS, EPIDEMIC

MICROBIOLOGY

Similarities of guamanian ALS/PD to post-encephalitic parkinsonism/ALS: possible viral cause. Hudson AJ, et al. **Can J Neurol Sci** 1990 Nov;17(4):427–33 (55 ref.)

PARKINSON DISEASE, SYMPTOMATIC

CHEMICALLY INDUCED

MPTP-induced neurotoxicity and the quest for a preventative therapy for Parkinson's disease. Furtado JC, et al. **Can J Neurol Sci** 1991 Feb;18(1):77–82 (83 ref.)
The MPTP story: MAO activates tetrahydropyridine derivatives to toxins causing parkinsonism. Maret G, et al. **Drug Metab Rev** 1990;22(4):291–332 (183 ref.)
The hypothalamus in MPTP-induced parkinsonism. Sandyk R, et al. **Ital J Neurol Sci** 1990 Aug;11(4):367–72 (50 ref.)
Animal models of parkinsonism. Kaakkola S, et al. **Pharmacol Toxicol** 1990 Aug;67(2):95–100 (69 ref.)
[Parkinsonism and 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (review of the literature)] Atadzhanov MA. **Zh Nevropatol Psikhiatr** 1991;91(4):117–21 (113 ref.) **(Rus)**

DRUG THERAPY

Levodopa treatment of Parkinson's syndrome: past and future. Pletscher A. **Adv Neurol** 1990;53:469–73 (9 ref.)

ETIOLOGY

Do environmental toxins cause Parkinson's disease? A critical review. Tanner CM, et al. **Neurology** 1990 Oct;40(10 Suppl 3):suppl 17–30; discussion 30–1 (145 ref.)

[Pallido–pyramidal syndrome: an unrecognized entity] Tranchant C, et al. **Rev Neurol (Paris)** 1991;147(4):308–10 (5 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

[Hereditary parkinsonism–dystonia syndrome of juvenile onset with diurnal fluctuations] Destée A, et al. **Rev Neurol (Paris)** 1991;147(3):220–4 (23 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

MPTP induced parkinsonian syndrome: long term follow–up and neurophysiological study. Onofrj M, et al. **Ital J Neurol Sci** 1990 Oct;11(5):445–58 (91 ref.)

PARKINSONIAN SYNDROME see **PARKINSON DISEASE, SYMPTOMATIC**

PAROTID DISEASES

COMPLICATIONS

Parotid manifestations of HIV infection. Zeitlen S, et al. **J Surg Oncol** 1991 Aug;47(4):230–2 (16 ref.)

Benign lymphoepithelial lesion and lymphoepithelial cyst of the parotid gland in HIV infection. Smith FB. **Prog AIDS Pathol** 1990;2:61–72 (32 ref.)

PATHOLOGY

[Intraparotid lesions in HIV infection] Damiani S, et al. **Pathologica** 1990 May–Jun;82(1079):287–95 (11 ref.) (Eng. Abstr.) **(Ita)**

PAROTID GLAND

ABNORMALITIES

Unilateral enlargement of the parotid gland in a patient with sialosis and contralateral parotid aplasia. Kelly SA, et al. **Br J Oral Maxillofac Surg** 1990 Dec;28(6):409–12 (31 ref.)

PATHOLOGY

Benign lymphoepithelial lesion and lymphoepithelial cyst of the parotid gland in HIV infection. Smith FB. **Prog AIDS Pathol** 1990;2:61–72 (32 ref.)

PHYSIOLOGY

Elevation of [Ca2+]i and the activation of ion channels and fluxes by extracellular ATP and phospholipase C–linked agonists in rat parotid acinar cells. Soltoff SP, et al. **Ann N Y Acad Sci** 1990;603:76–90; discussion 91–2 (38 ref.)

PAROTID NEOPLASMS

Unilateral multicentric Warthin's tumors. Zappia JJ, et al. **J Otolaryngol** 1991 Apr;20(2):93–6 (16 ref.)

[A case of cellular blue nevus with bone and meningeal invasion] Chassagne JF, et al. **Rev Stomatol Chir Maxillofac** 1991;92(1):34–8 (24 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

A pseudo–malignant Warthin's tumor presenting with facial nerve paralysis. O'Dwyer TP, et al. **J Otolaryngol** 1990 Oct;19(5):353–7 (16 ref.)

DIAGNOSIS

Diagnosis and pitfalls in the treatment of parotid tumors. Spiro RH. **Semin Surg Oncol** 1991 Jan–Feb;7(1):20–4 (20 ref.)

GENETICS

Familial occurrence of pleomorphic adenoma of the parotid gland. Hayter JP, et al. **Br J Oral Maxillofac Surg** 1990 Oct;28(5):333–4 (15 ref.)

PATHOLOGY

Lymphoepithelial cyst of the parotid gland [see comments] Camilleri AC, et al. **Br J Oral Maxillofac Surg** 1990 Oct; 28(5):329–32 (17 ref.) Comment in: Br J Oral Maxillofac Surg 1991 Apr;29(2):138–9.

Acinic cell carcinoma. Clinicopathologic review. Lewis JE, et al. **Cancer** 1991 Jan 1;67(1):172–9 (30 ref.)

Malignant adenolymphoma of the parotid gland: report of carcinomatous transformation. Onder T, et al. **J Laryngol Otol** 1990 Aug;104(8):656–61 (20 ref.)

Primary mucoepidermoid carcinoma of Stensen's duct. Haar JG, et al. **J Oral Maxillofac Surg** 1991 Jan;49(1):81–4 (26 ref.)

Simultaneous occurrence of bilateral Warthin's tumors and pleomorphic adenoma in the parotid glands. Toida M, et al. **J Oral Maxillofac Surg** 1990 Oct;48(10):1109–13 (31 ref.)

Primary malignant melanoma in the parotid gland. Bahar M, et al. **Oral Surg Oral Med Oral Pathol** 1990 Nov; 70(5):627–30 (16 ref.)

Low grade basaloid adenocarcinoma of salivary gland in childhood—the so–called hybrid basal cell adenoma—adenoid cystic carcinoma. Adkins GF. **Pathology** 1990 Oct;22(4):187–90 (19 ref.)

[Muco–epidermoid tumors of the parotid gland. Diagnostic and therapeutic attitudes] Belloc JB, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(2):119–25 (24 ref.) (Eng. Abstr.) **(Fre)**

[Medium–malignancy tumors of the parotid gland] Piquet JJ, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(8):532–7 (10 ref.) (Eng. Abstr.) **(Fre)**

[Primary lymphoma of the parotid. Presentation of a new case] Pila Pérez R, et al. **Acta Otorrinolaringol Esp** 1991 Jan–Feb;42(1):54–6 (19 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Primary sarcomas of the major salivary glands. Luna MA, et al. **Arch Otolaryngol Head Neck Surg** 1991 Mar; 117(3):302–6 (29 ref.)

RADIONUCLIDE IMAGING

Bilateral papillary cystadenoma lymphomatosum of the parotid gland without accumulation of technetium 99m pertechnetate: report of a case and review of the literature. Yoshimura Y, et al. **J Oral Maxillofac Surg** 1991 Apr; 49(4):401–4 (18 ref.)

SURGERY

Management of the parotid pleomorphic adenoma, the problem of exposing tumour tissue at operation. The logical pursuit of treatment policies. Touquet R, et al. **Br J Oral Maxillofac Surg** 1990 Dec;28(6):404–8 (29 ref.)

Implantation of parotid pleomorphic adenoma in the upper neck. Ferlito A, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(3):165–76 (157 ref.)

Diagnosis and pitfalls in the treatment of parotid tumors. Spiro RH. **Semin Surg Oncol** 1991 Jan–Feb;7(1):20–4 (20 ref.)

THERAPY

[Adenoid cystic carcinoma of the parotid gland] Bourguignat E, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(1):17–20 (13 ref.) (Eng. Abstr.) **(Fre)**

PAROTITIS

[Chronic pyogenic parotitis] Wang SL, et al. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1990 Jul; 25(4):246–8 (20 ref.) **(Chi)**

PARTIAL MASTECTOMY see **MASTECTOMY, SEGMENTAL**

PARTIAL MONOSOMY see **CHROMOSOME DELETION**

PARTICLE ACCELERATORS

Bremsstrahlung review: an analysis of the Schiff spectrum. Desobry GE, et al. **Med Phys** 1991 May–Jun;18(3):497–505 (45 ref.)

INSTRUMENTATION

Radiosurgery: a nursing perspective. Krause EA, et al. **J Neurosci Nurs** 1991 Feb;23(1):24–8 (7 ref.)

PARTICLE–INDUCED X–RAY EMISSION SPECTROMETRY see **SPECTROMETRY, X–RAY EMISSION**

PARTURITION see **LABOR**

PARVALBUMINS

GENETICS

Genetic mapping and physical characterization of parvalbumin genes. Schöffl F, et al. **Int J Biochem** 1990; 22(11):1211–5 (41 ref.)

PARVOVIRIDAE

[Advance in the study of parvovirus B 19] Tadasu N. **Uirusu** 1990 Dec;40(2):91–9 (69 ref.) **(Jpn)**

GENETICS

The human parvovirus B19. Roggendorf M. **Behring Inst Mitt** 1990 Aug;(85):1–5 (36 ref.)

Molecular biology and pathogenicity of human and animal parvoviruses. Siegl G. **Behring Inst Mitt** 1990 Aug; (85):6–13 (15 ref.)

ISOLATION & PURIFICATION

The clinical spectrum of human parvovirus B19 infections. Anderson LJ, et al. **Curr Clin Top Infect Dis** 1991;11:267–80 (89 ref.)

PATHOGENICITY

Human parvovirus B19 and its associated diseases. Kumar ML. **Clin Perinatol** 1991 Jun;18(2):209–25 (96 ref.)

PHYSIOLOGY

Parvovirus replication. Berns KI. **Microbiol Rev** 1990 Sep; 54(3):316–29 (153 ref.)

Unique events in parvovirus replication. LeFebvre RB, et al. **Microbiol Sci** 1984 Oct;1(7):163–7 (22 ref.)

PARVOVIRUS INFECTIONS

Erythema infectiosum and pregnancy–related complications [see comments] Levy M, et al. **Can Med Assoc J** 1990 Nov 1;143(9):849–58 (132 ref.) Comment in: Can Med Assoc J 1991 Jan 15;144(2):122.

Human parvovirus B19 and its associated diseases. Kumar ML. **Clin Perinatol** 1991 Jun;18(2):209–25 (96 ref.)

Parvovirus and epidemic arthritis. Haile CA. **Md Med J** 1990 Oct;39(10):939–44 (28 ref.)

Human parvovirus B19. Anderson LJ. **Pediatr Ann** 1990 Sep; 19(9):509–10, 512–3 (21 ref.)

Fetal parvovirus B19 infections. Singer DB, et al. **R I Med J** 1991 Jan;74(1):7–11 (30 ref.)

[Advance in the study of parvovirus B 19] Tadasu N. **Uirusu** 1990 Dec;40(2):91–9 (69 ref.) **(Jpn)**

[Intrauterine infections caused by other "less common" viruses: human B19 parvovirus and Epstein–Barr virus] Moya Benavent M, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 43:96–103 (49 ref.) **(Spa)**

DIAGNOSIS

[Infection with parvovirus B19: typical course of erythema infectiosum and its complications] Kirchesch H. **Z Hautkr** 1990 Nov;65(11):1007–10 (33 ref.) (Eng. Abstr.) **(Ger)**

[Human infection with parvovirus B19] Hurmuzache T. **Rev Med Chir Soc Med Nat Iasi** 1990 Apr–Jun;94(2):249–56 (41 ref.) **(Rum)**

EPIDEMIOLOGY

Human parvovirus B19 infections in pregnancy. Török TJ. **Pediatr Infect Dis J** 1990 Oct;9(10):772–6 (38 ref.)

MICROBIOLOGY

Molecular biology and pathogenicity of human and animal parvoviruses. Siegl G. **Behring Inst Mitt** 1990 Aug; (85):6–13 (15 ref.)

The clinical spectrum of human parvovirus B19 infections. Anderson LJ, et al. **Curr Clin Top Infect Dis** 1991;11:267–80 (89 ref.)

PHYSIOPATHOLOGY

The pathogenesis of diseases associated with B19 virus. Pattison JR. **Behring Inst Mitt** 1990 Aug;(85):55–9 (22 ref.)

Parvovirus B19 infection in pregnancy. Schwarz TF, et al. **Behring Inst Mitt** 1990 Aug;(85):69–73 (11 ref.)

Human parvovirus B19 and arthritis. Woolf AD. **Behring Inst Mitt** 1990 Aug;(85):64–8 (12 ref.)

Fifth disease and other parvovirus B19 infections. Gurevich I. **Heart Lung** 1991 Jul;20(4):342–4 (12 ref.)

VETERINARY

Emergence, natural history, and variation of canine, mink, and feline parvoviruses. Parrish CR. **Adv Virus Res** 1990; 38:403–50 (120 ref.)

PAS REACTION see **PERIODIC ACID–SCHIFF REACTION**

PASSIVE ADDICTION, NEONATAL see **NEONATAL ABSTINENCE SYNDROME**

PASSIVE ANTIBODY TRANSFER see **IMMUNIZATION, PASSIVE**

PASSIVE MOTION THERAPY, CONTINUOUS see **MOTION THERAPY, CONTINUOUS PASSIVE**

PASSIVE RANGE OF MOTION see **RANGE OF MOTION, ARTICULAR**

PASSIVE TRANSFER OF IMMUNITY see **IMMUNIZATION, PASSIVE**

PASSIVE TRANSFER TEST see **INTRADERMAL TESTS**

PASTES see **OINTMENTS**

PASTEURELLA

DRUG EFFECTS

The treatment and prevention of bovine pneumonic pasteurellosis using antimicrobial drugs. Shoo MK. **Vet Res Commun** 1990;14(5):341–5 (38 ref.)

PASTEURELLACEAE

PASTEURELLACEAE

CLASSIFICATION

Significance of V-factor dependency in the taxonomy of Haemophilus species and related organisms. Niven DF, et al. **Int J Syst Bacteriol** 1990 Jan;40(1):1–4 (48 ref.)

PASTEURELLOSIS, PNEUMONIC

DRUG THERAPY

The treatment and prevention of bovine pneumonic pasteurellosis using antimicrobial drugs. Shoo MK. **Vet Res Commun** 1990;14(5):341–5 (38 ref.)

PASTORAL CARE

METHODS

[Integral treatment of the hospitalized patient: the right to spiritual care] Monge MA. **Rev Med Univ Navarra** 1989 Oct–Dec;33(4):233–8 (31 ref.) **(Spa)**

PATCH TESTS

[Contact hypersensitivity to Kathon CG. Apropos of 35 cases among 977 tested subjects] Ledieu G, et al. **Ann Dermatol Venereol** 1991;118(3):181–9 (41 ref.) (Eng. Abstr.) **(Fre)**

PATELLA

Patellar pain. Arnoldi CC. **Acta Orthop Scand Suppl** 1991; 244:1–29 (67 ref.)

The role of incomplete pulmonary inactivation of metabolites in the association of prepatellar bursitis with asthma. Backon J. **Br J Clin Pract** 1990 Dec;44(12):585–6 (26 ref.)

Patellofemoral pain. An arthroscopic perspective. Malek MM, et al. **Clin Sports Med** 1991 Jul;10(3):549–67 (54 ref.)

Disorders of patellofemoral alignment. Fulkerson JP, et al. **J Bone Joint Surg [Am]** 1990 Oct;72(9):1424–9 (47 ref.)

Aggressive rehabilitation protocol following anterior cruciate ligament reconstruction (bone–patella–bone). Barrett GR, et al. **J Miss State Med Assoc** 1991 Feb;32(2):45–8 (5 ref.)

BLOOD SUPPLY

Subvastus (Southern) approach for primary total knee arthroplasty. Hofmann AA, et al. **Clin Orthop** 1991 Aug; (269):70–7 (30 ref.)

INJURIES

Bilateral simultaneous rupture of the patellar tendon. Case report and review of the literature. Dejong CH, et al. **Arch Orthop Trauma Surg** 1991;110(4):222–6 (42 ref.)

Thermal injury resulting from arthroscopic lateral retinacular release by electrocautery: report of three cases and a review of the literature. Lord MJ, et al. **Arthroscopy** 1991;7(1):33–7 (20 ref.)

Bracing for patellar instability. Cherf J, et al. **Clin Sports Med** 1990 Oct;9(4):813–21 (20 ref.)

Instability of the anterior and posterior cruciate ligaments. Arnoczky SP, et al. **Instr Course Lect** 1991;40:199–270 (324 ref.)

[Patellofemoral pain. Diagnosis and treatment] Engebretsen L, et al. **Tidsskr Nor Laegeforen** 1991 Jun 20; 111(16):1949–52 (67 ref.) (Eng. Abstr.) **(Nor)**

[Patellar fractures—an ever present problem in the knee joint pathology] Sciński T. **Wiad Lek** 1990 Sep 1–15; 43(17–18):895–901 (45 ref.) (Eng. Abstr.) **(Pol)**

PATHOLOGY

[Diagnosis and treatments of instability of the patellofemoral joint] Kobayashi A. **Nippon Seikeigeka Gakkai Zasshi** 1990 Oct;64(10):993–1015 (74 ref.) **(Jpn)**

PHYSIOPATHOLOGY

Chronic anterior knee pain in the adolescent. Goldberg B. **Pediatr Ann** 1991 Apr;20(4):186–7, 190–3 (24 ref.)

PATENCY, VASCULAR see **VASCULAR PATENCY**

PATENT MEDICINES see **DRUGS, NON-PRESCRIPTION**

PATENTS

The mouse that roared. Raines LJ. **Biotechnology** 1991; 16:335–45 (4 ref.)

Patenting medical technology. Noonan WD. **J Leg Med** 1990 Sep;11(3):263–319 (303 ref.)

[Trends in the development of research in the field of liposomes (review of patent literature)] Nesytova NIu, et al. **Vestn Akad Med Nauk SSSR** 1990;(6):8–19 (213 ref.) (Eng. Abstr.) **(Rus)**

PATERNAL AGE

The appropriate upper age limit for semen donors: a review of the genetic effects of paternal age [see comments] Bordson BL, et al. **Fertil Steril** 1991 Sep;56(3):397–401 (53 ref.) Comment in: Fertil Steril 1991 Sep;56(3):396.

PATERNITY

Paternity testing—quo vadis? Mayr WR, et al. **Blood Rev** 1991 Mar;5(1):51–4 (13 ref.)

DNA technology: the fourth generation in parentage testing [editorial] Walker RH, et al. **Transfusion** 1991 Jun; 31(5):383–5 (42 ref.)

[DNA polymorphism in the biological investigation of paternity. Current status] Gené M, et al. **Med Clin (Barc)** 1991 Jun 15;97(3):110–4 (26 ref.) **(Spa)**

PATHOLOGICAL WASTE see **MEDICAL WASTE**

PATHOLOGY

Molecular pathology and diagnosis of infectious diseases. Figueroa ME, et al. **Am J Clin Pathol** 1991 Apr;95(4 Suppl 1):S8–21 (92 ref.)

Pathologists and the autopsy. Hill RB, et al. **Am J Clin Pathol** 1991 Apr;95(4 Suppl 1):S42–9 (59 ref.)

Overview of digital imaging in pathology. The fifth wave. Linder J. **Am J Clin Pathol** 1990 Oct;94(4 Suppl 1):S30–4 (3 ref.)

[Veterinary pathology: a vital specialism within veterinary medicine] Vos JH, et al. **Tijdschr Diergeneeskd** 1991 Jul 1;116(13):677–83 (66 ref.) (Eng. Abstr.) **(Dut)**

[Disorders of the innervation of the large intestine—classification and diagnosis. Results of a consensus conference of the Society of Gastroenteropathology 1 December 1990 in Frankfurt/Main] Borchard F, et al. **Pathologe** 1991 May; 12(3):171–4 (10 ref.) **(Ger)**

[Methods of informatics in pathology] Iványi A. **Morphol Igazsagugyi Orv Sz** 1990 Jul;30(3):191–5 (84 ref.) (Eng. Abstr.) **(Hun)**

[A propedeutic concept: the pathologic physiognomy of organs] Giampalmo A, et al. **Pathologica** 1990 Nov–Dec; 82(1082):583–92 (143 ref.) (Eng. Abstr.) **(Ita)**

[Deontology in the pathologist's practice] Khmel'nitskiĭ OK, et al. **Arkh Patol** 1990;52(12):50–4 (17 ref.) (Eng. Abstr.) **(Rus)**

MANPOWER

The accelerated graying of American pathology. Anderson RE, et al. **Hum Pathol** 1991 Mar;22(3):210–4 (12 ref.)

METHODS

Artificial neural networks and their use in quantitative pathology. Dytch HE, et al. **Anal Quant Cytol Histol** 1990 Dec;12(6):379–93 (28 ref.)

Reasoning in uncertainties. An analysis of five strategies and their suitability in pathology. van Ginneken AM, et al. **Anal Quant Cytol Histol** 1991 Apr;13(2):93–109 (10 ref.)

Difficult diagnoses in pediatric otolaryngic pathology. Heffner DK. **Ear Nose Throat J** 1991 Apr;70(4):234–43 (11 ref.)

Automated image cytometry in cytopathology. Ploem JS. **Verh Dtsch Ges Pathol** 1990;74:169–75 (10 ref.)

[Quantitative methods in diagnostic pathology] Baak JP, et al. **Verh Dtsch Ges Pathol** 1990;74:165–8 (14 ref.) (Eng. Abstr.) **(Ger)**

TRENDS

Role of the pathologist in the evaluation of infertility: current practice and future developments. Kraus FT. **Monogr Pathol** 1991;(33):334–48 (59 ref.)

PATHOLOGY, CLINICAL

Pathology across Europe: differences and similarities. 2. Microbiology. Banatvala JE. **J Clin Pathol** 1990 Sep; 43(9):701–2 (0 ref.)

Laboratory testing closer to the patient: the Canadian scene. Braidwood JL. **Med Lab Sci** 1990 Oct;47(4):312–8 (41 ref.)

Laboratory testing in, or for, general practice. Broughton PM, et al. **Med Lab Sci** 1990 Oct;47(4):304–11 (14 ref.)

[Review and prospect in the application of morphometry to pathology] Ye CQ. **Chung-hua Ping Li Hsueh Tsa Chih** 1990 Dec;19(4):241–3 (15 ref.) (Eng. Abstr.) **(Chi)**

INSTRUMENTATION

Information workstations in clinical pathology. Spackman KA. **Clin Lab Med** 1991 Mar;11(1):123–34 (9 ref.)

METHODS

The diagnosis of mesothelioma by panels. McCaughey WT. **Am J Ind Med** 1991;19(1):121–4 (20 ref.)

TRENDS

The future anatomic pathology laboratory for molecular diagnosis and prognosis: circa 1990–95. Robb JA. **Clin Biochem** 1990 Aug;23(4):295–9 (52 ref.)

Developments in near-patient testing. Hailey DM, et al. **Med Lab Sci** 1990 Oct;47(4):319–25 (35 ref.)

PATHOLOGY, VETERINARY

Veterinary dermatohistopathology: what's new and exciting? Scott DW. **Adv Dermatol** 1991;6:289–307; discussion 308 (88 ref.)

A user's guide to veterinary surgical pathology laboratories. Or, why do I still get a diagnosis of chronic dermatitis even when I take a perfect biopsy? Dunstan RW. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1397–417 (20 ref.)

METHODS

Technical considerations for developing enzyme immunohistochemical staining procedures on formalin-fixed paraffin-embedded tissues for diagnostic pathology. Haines DM, et al. **J Vet Diagn Invest** 1991 Jan; 3(1):101–12 (38 ref.)

PATIENT ABANDONMENT see **REFUSAL TO TREAT**

PATIENT ACCEPTANCE OF HEALTH CARE

The effects of labeling on health behavior and treatment programs among north American Indians. Levy JE. **Am Indian Alsk Native Ment Health Res** 1988;1 MONO 1:211–31 discussion 232–43 (22 ref.)

The marketing of empowerment and the construction of the health consumer: a critique of health promotion. Grace VM. **Int J Health Serv** 1991;21(2):329–43 (49 ref.)

Why patients delay seeking care for cancer symptoms. What you can do about it. Love N. **Postgrad Med** 1991 Mar; 89(4):151–2, 155–8 (27 ref.)

An anthropological perspective on the acceptability of immunization services. Heggenhougen HK, et al. **Scand J Infect Dis Suppl** 1990;76:20–31 (93 ref.)

STATISTICS & NUMERICAL DATA

Bypassing rural hospitals for obstetrics care [see comments] Bronstein JM, et al. **J Health Polit Policy Law** 1991 Spring; 16(1):87–118 (69 ref.) Comment in: J Health Polit Policy Law 1991 Spring;16(1):119–20.

PATIENT ADMISSION

STATISTICS & NUMERICAL DATA

An audit of road traffic accident victims requiring admission to hospital. Redmond P, et al. **Ir Med J** 1990 Dec; 83(4):133–6 (10 ref.)

[Delays in hospital admissions of myocardial infarction] Maroni JP, et al. **Arch Mal Coeur** 1990 Nov;83(12):1823–9 (22 ref.) (Eng. Abstr.) **(Fre)**

PATIENT ADVOCACY

Drug approval and AIDS: benefits for the elderly. Rothman DJ, et al. **Health Aff (Millwood)** 1990 Fall;9(3):123–30 (9 ref.)

1989 LeTourneau Award. When universal precautions fail. Communicable disease notification laws for emergency responders. Steele LJ. **J Leg Med** 1990 Dec;11(4):451–80 (121 ref.)

ECONOMICS

Economic incentives for ethical and courteous behavior in medicine. A proposal [see comments] Erde EL. **Ann Intern Med** 1990 Nov 15;113(10):790–3 (24 ref.) Comment in: Ann Intern Med 1990 Nov 15;113(10):794–8.

LEGISLATION & JURISPRUDENCE

Ethics and AIDS: a summary of the law and a critical analysis of the individual physician's ethical duty to treat. Tegtmeier JW. **Am J Law Med** 1990;16(1–2):249–65 (102 ref.)

AIDS babies, crack babies: challenges to the law. Bopp J Jr, et al. **Issues Law Med** 1991 Summer;7(1):3–51 (382 ref.)

Mandatory parental involvement prior to adolescent abortion. Worthington EL Jr, et al. **J Adolesc Health** 1991 Mar;12(2):138–42 (49 ref.)

Legal issues in the treatment of children with attention deficit hyperactivity disorder. Ouellette EM. **J Child Neurol** 1991; 6 Suppl:S68–75 (53 ref.)

PATIENT CARE PLANNING

see related
AFTER CARE
CONSUMER PARTICIPATION

Developing a rational management strategy for angina pectoris after coronary bypass surgery: a clinical decision analysis. Mills RM Jr, et al. **Clin Cardiol** 1991 Mar; 14(3):191–7 (41 ref.)

Evaluation of facial skeletal aesthetics and surgical planning. Bartlett SP, et al. **Clin Plast Surg** 1991 Jan;18(1):1–9 (28 ref.)

Necrotizing enterocolitis. Part II. Treatment and nursing care [published erratum appears in MCN Am J Matern Child Nurs 1991 Jan–Feb;16(1):51] [see comments] Rushton CH. **MCN Am J Matern Child Nurs** 1990 Sep–Oct;15(5):309–13 (18 ref.) Comment in: MCN Am J Matern Child Nurs 1991 Mar–Apr;16(2):75.

Eating disorders as addictive behavior. Integrating 12-step programs into treatment planning. Riley EA.

Nurs Clin North Am 1991 Sep;26(3):715–26 (23 ref.)
Use of amphotericin B in immunosuppressed patients with cancer. Part Two: Pharmacodynamics and nursing implications. Holtzclaw BJ, et al. **Oncol Nurs Forum** 1990 Sep–Oct;17(5):737–42 (25 ref.)
Incision planning and basic soft-tissue surgery. Freeman MS. **Otolaryngol Clin North Am** 1990 Oct;23(5):865–74 (7 ref.)
[The "intervening parties" facing the implicit needs of their clients: can their discomfort be resolved?] Wulliemier F. **Rev Med Suisse Romande** 1991 May;111(5):441–42 (34 ref.) **(Fre)**

STANDARDS

Working group recommendations: targeting criteria for geriatric evaluation and management research. Rubenstein LZ, et al. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):37S–41S (4 ref.)
Targeting strategies: an overview of criteria and outcomes. Winograd CH. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):25S–35S (41 ref.)

PATIENT CARE TEAM

The ventilator-dependent child: issues in diagnosis and management. Mallory GB Jr, et al. **Arch Phys Med Rehabil** 1991 Jan;72(1):43–55 (81 ref.)
Chronic pain: the multidisciplinary approach. Lebovits AH. **Int Anesthesiol Clin** 1991 Winter;29(1):1–7 (28 ref.)
Cultural influences on physician communication in health care teams. Cali DD. **J Biocommun** 1991;18(1):22–7 (16 ref.)
Who cares for the young adult with mental retardation? Kastner T. **J Dev Behav Pediatr** 1991 Jun;12(3):196–8 (17 ref.)
Managing the cleft lip and palate patient. Kaufman FL. **Pediatr Clin North Am** 1991 Oct;38(5):1127–47 (65 ref.)
Difficult patients in extended psychiatric hospitalization: a research perspective on the patient, staff and team. Colson DB. **Psychiatry** 1990 Nov;53(4):369–82 (25 ref.)
[Change in diagnostic and therapeutic viewpoints: integrated perspectives] Schönfelder T. **Prax Kinderpsychol Kinderpsychiatr** 1990 Nov–Dec; 39(9–10):364–7 (2 ref.) (Eng. Abstr.) **(Ger)**
[Interdisciplinary communication in breast-preserving therapy of early infiltrating ductal breast carcinoma] Greiner R, et al. **Schweiz Rundsch Med Prax** 1991 Mar 12;80(11):262–8 (59 ref.) (Eng. Abstr.) **(Ger)**
[Pleural empyema—rational diagnosis and therapy] Müller P, et al. **Schweiz Rundsch Med Prax** 1991 May 28; 80(22):599–604 (23 ref.) (Eng. Abstr.) **(Ger)**
[Combination therapy in rheumatology] Keitel W. **Z Arztl Fortbild (Jena)** 1991 May 10;85(9):410–5 (9 ref.) **(Ger)**
[The handicapped newborn infant: an experienced multidisciplinary team approach for family support] Katzenstein M, et al. **Harefuah** 1990 Nov 15;119(10):326–9 (25 ref.) **(Heb)**
[The surveillance of the anticoagulated patient: a multidisciplinary problem] Palareti G. **G Ital Cardiol** 1990 Jul;20(7):675–83 (40 ref.) **(Ita)**

ORGANIZATION & ADMINISTRATION

Establishing a neonatal resuscitation team in community hospitals. Bailey C, et al. **J Perinatol** 1990 Sep; 10(3):294–300 (18 ref.)

STANDARDS

The comprehensive treatment team in rehabilitation. Keith RA. **Arch Phys Med Rehabil** 1991 Apr;72(5):269–74 (30 ref.)

PATIENT COMPLIANCE

see related
PATIENT DROPOUTS
TREATMENT REFUSAL

Improving compliance and increasing control of hypertension: needs of special hypertensive populations. Clark LT. **Am Heart J** 1991 Feb;121(2 (Pt 2)):664–9 (45 ref.)
Strategies for enhancing compliance in the dialysis elderly. King K. **Am J Kidney Dis** 1990 Oct;16(4):351–3 (13 ref.)
Hypertension, cardiac disease, and compliance in minority patients. Francis CK. **Am J Med** 1991 Jul 18; 91(1A):29S–36S (55 ref.)
Fibromyalgia—which is the best treatment? A personalized, comprehensive, ambulatory, patient-involved management programme. Masi AT, et al. **Baillieres Clin Rheumatol** 1991 Aug;4(2):333–70 (15 ref.)
Factors influencing dietary compliance in patients with chronic renal failure on unsupplemented low-protein diet. Oldrizzi L, et al. **Contrib Nephrol** 1990;81:9–15 (15 ref.)
Promoting adherence to low-fat, low-cholesterol diets: review and recommendations. McCann BS, et al. **J Am Diet Assoc** 1990 Oct;90(10):1408–14, 1017 (64 ref.)
Cancer risk notification: psychosocial and ethical implications. Lerman C, et al. **J Clin Oncol** 1991 Jul; 9(7):1275–82 (82 ref.)
The use of printed instruction sheets to enhance patient compliance. Katz LG. **Semin Dermatol** 1991 Jun;10(2):91–5 (5 ref.)
[Observance in cancerology] Hoerni B, et al. **Bull Cancer (Paris)** 1991;78(4):317–21 (36 ref.) **(Fre)**
[Compliance: a health problem] Fontaine O, et al. **Rev Med Liege** 1991 Jun;46(6):343–9 (39 ref.) **(Fre)**
[The wear-timing measuring device in orthodontics—cui bono? Reflections on the state-of-the-art in wear-timing measurement and compliance research in orthodontics] Witt E, et al. **Fortschr Kieferorthop** 1991 Jun;52(3):117–25 (32 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Self-management of diabetes mellitus: a critical review. Goodall TA, et al. **Health Psychol** 1991;10(1):1–8 (80 ref.)
Issues in adherence with pediatric regimens. La Greca AM. **J Pediatr Psychol** 1990 Aug;15(4):423–36 (34 ref.)
Adherence issues in the medical management of asthma. Lemanek K. **J Pediatr Psychol** 1990 Aug;15(4):437–58 (65 ref.)
[Compliance in adolescents with chronic disease] Michaud PA, et al. **Arch Fr Pediatr** 1991 May;48(5):329–36 (34 ref.) (Eng. Abstr.) **(Fre)**
[Psychosocial management in medicine: a question of "management bias"?] Ullrich G. **Prax Kinderpsychol Kinderpsychiatr** 1990 Sep;39(7):249–54 (20 ref.) (Eng. Abstr.) **(Ger)**

PATIENT COOPERATION see **PATIENT COMPLIANCE**

PATIENT DATA PRIVACY see **CONFIDENTIALITY**

PATIENT DISCHARGE

Alcoholism: the disease and the diagnosis [editorial; comment] Larson EW. **Am J Med** 1991 Aug;91(2):107–9 (14 ref.) Comment on: Am J Med 1991 Aug;91(2):110–8.
Ambulatory surgery and prepared discharges. Effects on orthopedic patients and nursing practice. Connolly ML. **Nurs Clin North Am** 1991 Mar;26(1):105–12 (20 ref.)
Enhancing patient participation: clinical strategies in the discharge planning process. Abramson JS. **Soc Work Health Care** 1990;14(4):53–71 (52 ref.)

TRENDS

Waiting for placement: an exploratory analysis of determinants of delayed discharges of elderly hospital patients. Falcone D, et al. **Health Serv Res** 1991 Aug; 26(3):339–74 (47 ref.)
Early postpartum discharge programs in the United States: a literature review and critique. Beck CT. **Women Health** 1991;17(1):125–38 (13 ref.)

PATIENT DROPOUTS

PSYCHOLOGY

[Origin of problematic constellations in psychiatric family care. Theoretical considerations and presentation of the course of a discontinued family care episode] Schmidt-Michel PO, et al. **Psychother Psychosom Med Psychol** 1991 Jun;41(6):224–31 (30 ref.) (Eng. Abstr.) **(Ger)**

PATIENT DUMPING see **PATIENT TRANSFER**

PATIENT EDUCATION

Socioeconomic, psychological and educational aspects of nutrition in old age. Davies L. **Age Ageing** 1990 Jul; 19(4):S37–42 (21 ref.)
Patient education. A review of the issues. Webber GC. **Med Care** 1990 Nov;28(11):1089–103 (91 ref.)
Substance abuse and AIDS: the need for mental health services. Batki SL. **New Dir Ment Health Serv** 1990 Winter; (48):55–67 (35 ref.)
Medical overview of HIV infection. Markowitz JC, et al. **New Dir Ment Health Serv** 1990 Winter;(48):21–31 (12 ref.)
Portable blood glucose meters. Teaching patients how to correctly monitor diabetes. Burritt MF, et al. **Postgrad Med** 1991 Mar;89(4):75–8, 81, 84 (13 ref.)
The role of the nurse in skin cancer prevention, screening, and early detection. Berwick M, et al. **Semin Oncol Nurs** 1991 Feb;7(1):64–71 (39 ref.)
Evaluating written patient education materials. Frank-Stromborg M, et al. **Semin Oncol Nurs** 1991 May; 7(2):125–34 (34 ref.)
[Stress of medical origin and "education" of the patient] Fontaine O, et al. **Rev Med Liege** 1990 Sep;45(9):422–32 (61 ref.) **(Fre)**
[Clinical observations on the topic of informing cancer patients] Schlömer U. **Rontgenpraxis** 1990 Oct;43(10):380–4 (17 ref.) **(Ger)**

LEGISLATION & JURISPRUDENCE

[Patient education concerning late hyperkineses] Helmchen H. **Nervenarzt** 1991 May;62(5):265–8 (19 ref.) **(Ger)**

METHODS

Does patient education in rheumatoid arthritis have therapeutic potential? Tucker M, et al. **Ann Rheum Dis** 1991 Jun;50 Suppl 3:422–8 (61 ref.)
The National Cholesterol Education program: guidelines and commentaries. Zerbi A. **Bol Asoc Med P R** 1990 Nov; 82(11):491–5 (14 ref.)
The gamma knife: implications for nursing practice and patient education. Neatherlin JS, et al. **J Neurosci Nurs** 1991 Feb;23(1):71–4 (12 ref.)
The many faces of AIDS: opportunities for intervention. Bing EG, et al. **New Dir Ment Health Serv** 1990 Winter; (48):69–82 (58 ref.)
Why patients delay seeking care for cancer symptoms. What you can do about it. Love N. **Postgrad Med** 1991 Mar; 89(4):151–2, 155–8 (27 ref.)
Writing easily read patient education handouts: a computerized approach. Baker GC. **Semin Dermatol** 1991 Jun;10(2):102–6 (19 ref.)
The use of printed instruction sheets to enhance patient compliance. Katz LG. **Semin Dermatol** 1991 Jun;10(2):91–5 (5 ref.)
Theories used in patient/health education. Padilla GV, et al. **Semin Oncol Nurs** 1991 May;7(2):87–96 (74 ref.)
Brain function, learning styles, and cancer patient education. Villejo L, et al. **Semin Oncol Nurs** 1991 May;7(2):97–104 (50 ref.)
[Patient education in hypertension—which methods are suitable for general practice?] Gleichmann S, et al. **Internist (Berl)** 1991 Mar;32(3):119–26 (39 ref.) **(Ger)**
[Preventive and therapeutic measures in cytostatic-associated toxicity] Cerny T, et al. **Schweiz Med Wochenschr** 1990 Sep 15;120(37):1353–62 (15 ref.) (Eng. Abstr.) **(Ger)**

STANDARDS

Health risks of foreign travel. Preparing adults for jaunts abroad. Spees DN. **Postgrad Med** 1991 Jun;89(8):147–50, 153, 156 (18 ref.)
[Educational diagnosis and evaluation of educational strategies (PRECEDE Model): practical methodology for inducing changes in behavior and health status] Green LW, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:227–40 (76 ref.) **(Fre)**
[The education of the diabetic patient: summary of his history. The results and the problems of today] Jörgens V, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:221–6 (16 ref.) **(Fre)**

STATISTICS & NUMERICAL DATA

The gap between patient reading comprehension and the readability of patient education materials. Davis TC, et al. **J Fam Pract** 1990 Nov;31(5):533–8 (26 ref.)

TRENDS

Advances in patient education in rheumatic disease. Daltroy LH, et al. **Ann Rheum Dis** 1991 Jun;50 Suppl 3:415–7 (32 ref.)

PATIENT-FAMILY LODGING see **HOUSING**

PATIENT IDENTIFICATION SYSTEMS

Putting bar codes to work for improved patient care. Weilert M, et al. **Clin Lab Med** 1991 Mar;11(1):227–38 (12 ref.)

PATIENT ISOLATION

UTILIZATION

The role of barrier precautions in infection control. Goldmann DA. **J Hosp Infect** 1991 Jun;18 Suppl A:515–23 (26 ref.)

PATIENT MONITORING see **MONITORING, PHYSIOLOGIC**

PATIENT NON-COMPLIANCE see **TREATMENT REFUSAL**

PATIENT OMBUDSMEN see **PATIENT ADVOCACY**

PATIENT OUTCOME ASSESSMENT see **OUTCOME AND PROCESS ASSESSMENT (HEALTH CARE)**

PATIENT PARTICIPATION

Enhancing patient participation: clinical strategies in the discharge planning process. Abramson JS. **Soc Work Health Care** 1990;14(4):53–71 (52 ref.)

ECONOMICS

Quality and cost: choices and responsibilities. Donabedian A. **J Occup Med** 1990 Dec;32(12):1167–72 (13 ref.)

LEGISLATION & JURISPRUDENCE

Advance directives on admission. Clinical implications and analysis of the Patient Self-Determination Act of 1990 [see comments] La Puma J, et al. **JAMA** 1991 Jul 17; 266(3):402–5 (50 ref.) Comment in: JAMA 1991 Jul 17;266(3):410–2.
Another view of autonomy: arranging for consent in advance [see comments] Rosenson MK, et al. **Schizophr Bull** 1991; 17(1):1–7 (22 ref.) Comment in: Schizophr Bull 1991;17(1):9–14.

PATIENT PARTICIPATION

PSYCHOLOGY

Relatives and patients as partners in the management of schizophrenia. The development of a service model. Smith J, et al. **Br J Psychiatry** 1990 May;156:654–60 (31 ref.)
Matching treatments to client problems not diagnostic labels: a case for paradigmatic behavior therapy. Eifert GH, et al. **J Behav Ther Exp Psychiatry** 1990 Sep;21(3):163–72 (36 ref.)

PATIENT REFUSAL OF TREATMENT see **TREATMENT REFUSAL**

PATIENT REPRESENTATIVES see **PATIENT ADVOCACY**

PATIENT SATISFACTION see **CONSUMER SATISFACTION**

PATIENT TRANSFER

[Delays in hospital admissions of myocardial infarction] Maroni JP, et al. **Arch Mal Coeur** 1990 Nov;83(12):1823–9 (22 ref.) (Eng. Abstr.) **(Fre)**

STANDARDS

Pediatric interhospital critical care transport: consensus of a national leadership conference. Day S, et al. **Pediatrics** 1991 Oct;88(4):696–704 (32 ref.)

PATIENTS

Caring for medical students as patients. Lane LW, et al. **Arch Intern Med** 1990 Nov;150(11):2249–53 (52 ref.)
Transmission of hepatitis and AIDS: risks for the anaesthetist and the patient. Trépanier CA. **Can J Anaesth** 1991 May; 38(4 Pt 2):R98–104 (32 ref.) **(Eng, Fre)**
Surgeons with HIV infection: the risk to patients. Schaffner W. **J Hosp Infect** 1991 Jun;18 Suppl A:191–6 (8 ref.)
Challenging the pyramid. A new look at terapeutic approaches for rheumatoid arthritis. Patient selection. Katz WA. **J Rheumatol Suppl** 1990 Nov;25:39–41 (30 ref.)
[Patients and drugs] Gonzalo Sanz LM. **Rev Med Univ Navarra** 1988 Jan–Mar;32(1):15–6 (4 ref.) **(Spa)**

PSYCHOLOGY

Eliciting assessment data from the patient who is difficult to interview. Braverman BG. **Nurs Clin North Am** 1990 Dec;25(4):743–50 (17 ref.)
Understanding depression in medical patients. Part I: Diagnostic considerations. Wool MS. **Soc Work Health Care** 1990;14(4):25–38 (28 ref.)
[Stress of medical origin and "education" of the patient] Fontaine O, et al. **Rev Med Liege** 1990 Sep;45(9):422–32 (61 ref.) **(Fre)**

PATIENTS' RIGHTS see **PATIENT ADVOCACY**

PATIENTS' ROOMS

STATISTICS & NUMERICAL DATA

The use of single room occupancy (SRO) housing as a residential alternative for persons with a chronic mental illness. Linhorst DM. **Community Ment Health J** 1991 Apr; 27(2):135–44 (21 ref.)

PATTERN RECOGNITION

Microcomputer-assisted periodic pattern recognition in the primary structure of proteins. Colosimo A, et al. **Biomed Biochim Acta** 1990;49(8–9):951–62 (27 ref.)
Quantum mechanics and cellular information processing: the self-assembly paradigm. Conrad M. **Biomed Biochim Acta** 1990;49(8–9):743–55 (16 ref.)

PATTERN RECOGNITION, VISUAL

Attentional functioning and relational learning. Soraci SA Jr, et al. **Am J Ment Retard** 1990 Nov;95(3):304–15 (42 ref.)
Accounting for delusional misidentifications. Ellis HD, et al. **Br J Psychiatry** 1990 Aug;157:239–48 (67 ref.)
Past, current, and future trends in infant face perception research. Nelson CA, et al. **Can J Psychol** 1989 Jun; 43(2):183–98 (80 ref.)
Individual analysis of laterality data. Brysbaert M, et al. **Neuropsychologia** 1990;28(9):901–16 (19 ref.)
CONSPEC and CONLERN: a two-process theory of infant face recognition. Morton J, et al. **Psychol Rev** 1991 Apr; 98(2):164–81 (105 ref.)
[Global predominance in object recognition: artefact or treatment rule?] Paquet L. **Can J Psychol** 1991 Mar; 45(1):37–53 (75 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Facial recognition 1990. Benton A. **Cortex** 1990 Dec; 26(4):491–9 (35 ref.)
Synaptic connections, receptive fields, and patterns of activity in the tiger salamander retina. A simulation of patterns of activity formed at each cellular level from photoreceptors to ganglion cells [the Friendenwald lecture] [published erratum appears in Invest Ophthalmol Vis Sci 1991 Jul;32(8):2440] Werblin F. **Invest Ophthalmol Vis Sci** 1991 Mar;32(3):459–83 (106 ref.)
Visual association pathways in human brain. Iwata M. **Tohoku J Exp Med** 1990 Aug;161 Suppl:61–78 (27 ref.)

PATULIN

[Patulin] Criseo G, et al. **Ann Ig** 1990 Sep–Oct;2(5):343–52 (55 ref.) **(Ita)**

PAUL-BUNNELL ANTIBODIES see **ANTIBODIES, HETEROPHILE**

PAUL-BUNNELL ANTIGENS see **ANTIGENS, HETEROPHILE**

PAVOR NOCTURNUS see **SLEEP DISORDERS**

PCR see **POLYMERASE CHAIN REACTION**

PEAK EXPIRATORY FLOW RATE

The role of the peak flow meter in the diagnosis and management of asthma. Cross D, et al. **J Allergy Clin Immunol** 1991 Jan;87(1 Pt 1):120–8 (70 ref.)
Peak flow monitoring [see comments] Mendoza GR. **J Asthma** 1991;28(3):161–77 (40 ref.) Comment in: J Asthma 1991;28(3):159–6.

PEANUTS

Peanut as a source of protein for human foods. Singh B, et al. **Plant Foods Hum Nutr** 1991 Apr;41(2):165–77 (62 ref.)

PEAS see **LEGUMES**

PEAT see **SOIL**

PECTEN OCULI see **RETINAL VESSELS**

PECTINS

PHARMACOLOGY

Fermentable fibers and vitamin B12 dependency. **Nutr Rev** 1991 Apr;49(4):119–20 (12 ref.)

PECTORAL NERVES see **THORACIC NERVES**

PECTORALIS MUSCLES

TRANSPLANTATION

An improved technique for development of the pectoralis major myocutaneous flap. Marx RE, et al. **J Oral Maxillofac Surg** 1990 Nov;48(11):1168–80 (19 ref.)

PEDIATRIC INTENSIVE CARE UNITS see **INTENSIVE CARE UNITS, PEDIATRIC**

PEDIATRIC NURSING

Nursing perspectives in the management of infants and children requiring thoracic surgery. Telfer H, et al. **Prog Pediatr Surg** 1991;27:30–52 (54 ref.)

PEDIATRIC PSYCHOLOGY see **CHILD PSYCHOLOGY**

PEDIATRICS

MR imaging of pediatric hematologic disorders. Murayama S, et al. **Acta Radiol** 1991 Jul;32(4):267–70 (17 ref.)
Pediatric advanced life support: Part I. Airway, circulation and intravascular access. Rockney RM, et al. **Am Fam Physician** 1991 Apr;43(4):1223–30 (21 ref.)
Pediatric disaster medicine. Holbrook PR. **Crit Care Clin** 1991 Apr;7(2):463–70 (31 ref.)
Adverse reactions in children. Special considerations in prevention and management. Leary PM. **Drug Saf** 1991 May–Jun;6(3):171–82 (54 ref.)
Paediatric analgesia. Which drug? Which dose? Gaukroger PB. **Drugs** 1991 Jan;41(1):52–9 (15 ref.)
Paediatric nuclear medicine. Piepsz A, et al. **Eur J Nucl Med** 1991;18(1):41–66 (244 ref.)
Electron beam therapy in children. Kun LE. **Front Radiat Ther Oncol** 1991;25:201–6; discussion 207–8 (0 ref.)
Special considerations in recovery of children from anesthesia. Patel R, et al. **Int Anesthesiol Clin** 1991 Spring; 29(2):55–68 (33 ref.)
Cytopathology in pediatrics. Buchino JJ. **Monogr Clin Cytol** 1991;13:1–155 (198 ref.)
Mycotic infection and the pediatric surgeon. Nagar H. **Mycopathologia** 1990 Dec;112(3):147–55 (87 ref.)
Helpful strategies in working with preschool children in pediatric practice. Kuttner L. **Pediatr Ann** 1991 Mar; 20(3):120–2, 124–7 (25 ref.)
Cyberphysiologic strategies in pediatric practice (biofeedback, self-hypnosis, and relaxation training). Olness K. **Pediatr Ann** 1991 Mar;20(3):115, 119 (8 ref.)
Biofeedback. Smith MS. **Pediatr Ann** 1991 Mar;20(3):128, 130–4 (24 ref.)
The pediatrician's involvement in prevention and treatment of oral disease in medically compromised children. Cooley RO, et al. **Pediatr Clin North Am** 1991 Oct;38(5):1265–88 (54 ref.)
Preventive oral health care for the infant, child, and adolescent. Griffen AL, et al. **Pediatr Clin North Am** 1991 Oct;38(5):1209–26 (23 ref.)
Suture selection for the pediatrician. Grisham JE, et al. **Pediatr Emerg Care** 1990 Dec;6(4):301–4 (25 ref.)
Trials and tribulations of multicenter studies. Lessons learned from the experiences of the Southwest Pediatric Nephrology Study Group (SPNSG). Hogg RJ. **Pediatr Nephrol** 1991 May;5(3):348–51 (27 ref.)
The pediatrician and early intervention for the developmentally disabled or handicapped child. Katcher AL, et al. **Pediatr Rev** 1991 Apr;12(10):305–12 (0 ref.)
The role of the pediatrician in abolishing corporal punishment in schools. Committee on School Health, American Academy of Pediatrics. Poole SR, et al. **Pediatrics** 1991 Jul;88(1):162–7 (41 ref.)
Contemporary imaging approach to pediatric urologic problems. Berdon WE. **Radiol Clin North Am** 1991 May; 29(3):605–18 (20 ref.)
Bias in estimating caloric expenditure from physical activity in children. Implications for epidemiological studies. Sallis JF, et al. **Sports Med** 1991 Apr;11(4):203–9 (45 ref.)
[The value of peripheral blocks in pediatric anesthesia] Dalens B. **Can Anesthesiol** 1990;38(8):547–59 (43 ref.) **(Fre)**
[Safety-relevant characteristics of infants and young children] Kraus GB. **Klin Anasthesiol Intensivther** 1990; 38:161–9 (25 ref.) **(Ger)**
[Liver transplantation. New perspectives in pediatric liver transplantation] Cienfuegos Suarez JA, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 39:93–8 (40 ref.) (Eng. Abstr.) **(Spa)**
[Advances in diagnostic imaging methods in pediatrics] García Peña P, et al. **An Esp Pediatr** 1991 Mar;34(3):185–93 (59 ref.) **(Spa)**
[Justification of pediatric programs and teams specializing in renal transplantation. Criteria for inclusion and limitation of pediatric renal transplantation] Navarro M, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 39:33–9 (35 ref.) **(Spa)**

ECONOMICS

The impact of Medicaid on research-based care in pediatric hematology/oncology. van Eys J. **Am J Pediatr Hematol Oncol** 1991 Spring;13(1):91–6 (15 ref.)

MANPOWER

Precautions and testing in pediatric HIV infection: issues for emergency department personnel. Crain EF, et al. **Pediatr Emerg Care** 1991 Jun;7(3):177–81 (44 ref.)

METHODS

Pediatric Advanced Life Support: Part II. Fluid therapy, medications and dysrhythmias. Rockney RM, et al. **Am Fam Physician** 1991 May;43(5):1712–20 (22 ref.)
Head injury—how community paediatricians can help. Crouchman M. **Arch Dis Child** 1990 Nov;65(11):1286–7 (10 ref.)
Difficult diagnoses in pediatric otolaryngic pathology. Heffner DK. **Ear Nose Throat J** 1991 Apr;70(4):234–43 (11 ref.)
Recent concepts in understanding a child's pain. Mahan KT, et al. **J Am Podiatr Med Assoc** 1991 May;81(5):231–42 (49 ref.)
Pediatric trauma: initial evaluation and stabilization. McCarty DL, et al. **Pediatr Ann** 1990 Oct;19(10):584–90, 593–6 (13 ref.)
Recognition and stabilization of the critically ill or injured child [published erratum appears in Pediatr Ann 1990 Dec;19(12):678] Seidel JS. **Pediatr Ann** 1990 Oct; 19(10):580–3 (9 ref.)
Trauma to elbows, knees, and ankles. Hodge D 3d, et al. **Pediatr Emerg Care** 1991 Jun;7(3):188–94 (8 ref.)
Health supervision for the high-risk preschooler. Rivara FP, et al. **Pediatr Rev** 1990 Dec;12(6):181–6 (13 ref.)

TRENDS

Modern paediatric urology. Scholtmeijer RJ. **Br J Urol** 1991 Jun;67(6):561–3 (22 ref.)
Update on trauma care in Canada. 2. Update on pediatric trauma. Blair GK. **Can J Surg** 1990 Dec;33(6):443–6 (12 ref.)
Advances in pediatric pharmacokinetics and therapeutics. Phelps SJ, et al. **J Pediatr** 1990 Dec;117(6):996–1001 (17 ref.)
[The study of the human genome in pediatrics today] Cruz M. **An Esp Pediatr** 1990 Nov;33 Suppl 42:77–91 (25 ref.) (Eng. Abstr.) **(Spa)**

PEDICULOSIS

The "nuisance" sexually transmitted diseases: molluscum contagiosum, scabies, and crab lice. Billstein SA, et al. **Med Clin North Am** 1990 Nov;74(6):1487–505 (54 ref.)

Diagnosis and treatment of childhood scabies and pediculosis. Hogan DJ, et al. **Pediatr Clin North Am** 1991 Aug; 38(4):941–57 (42 ref.)

DRUG THERAPY

[Pyrethrin and pyrethroid (permethrin) in the treatment of scabies and pediculosis] Haustein UF. **Hautarzt** 1991 Jan; 42(1):9–15 (60 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

A review of the epidemiology, public health importance, treatment and control of head lice. Chunge RN, et al. **Can J Public Health** 1991 May–Jun;82(3):196–200 (69 ref.)

VETERINARY

Biosystematics of the chewing lice of pocket gophers. Hellenthal RA, et al. **Annu Rev Entomol** 1991;36:185–203 (89 ref.)

PEDIOCOCCUS

GROWTH & DEVELOPMENT

Antagonistic effects of lactobacilli and pediococci to control intestinal colonization by human enteropathogens in live poultry. Juven BJ, et al. **J Appl Bacteriol** 1991 Feb; 70(2):95–103 (105 ref.)

PEDODONTICS

Radiographic examination in pediatric dentistry. A review. Arav L. **N Y State Dent J** 1991 Feb;57(2):36–7 (6 ref.)

PEDOPHILIA

PSYCHOLOGY

Boy-lovers and their influence on boys: distorted research and anecdotal observations. Brongersma E. **J Homosex** 1990;20(1–2):145–73 (110 ref.)

The study of intergenerational intimacy in North America: beyond politics and pedophilia. Jones GP. **J Homosex** 1990; 20(1–2):275–95 (110 ref.)

Understanding childhood sexualities. Plummer K. **J Homosex** 1990;20(1–2):231–49 (55 ref.)

Man/boy love and the American gay movement. Thorstad D. **J Homosex** 1990;20(1–2):251–74 (45 ref.)

PEEP see **POSITIVE-PRESSURE RESPIRATION**

PEER GROUP

Drinking, the construction of ethnic identity and social process in a Western Australian youth subculture. Moore D. **Br J Addict** 1990 Oct;85(10):1265–78 (55 ref.)

Principles of non-verbal communication in efforts to reduce peer and social pressure. Duryea EJ. **J Sch Health** 1991 Jan;61(1):5–10 (52 ref.)

PEER REVIEW

Effect of outcome on physician judgments of appropriateness of care [see comments] Caplan RA, et al. **JAMA** 1991 Apr 17;265(15):1957–60 (21 ref.) Comment in: JAMA 1991 Apr 17;265(15):1995.

PEFLOXACIN

PHARMACOKINETICS

[Serum pharmacokinetics and in vitro antibacterial activity of pefloxacin, ofloxacin and ciprofloxacin] Nordmann P, et al. **Presse Med** 1990 Sep 1–8;19(28):1321–5 (43 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOLOGY

Effect of pefloxacin on microorganism: host cell interaction. Desnottes JF, et al. **J Antimicrob Chemother** 1990 Oct;26 Suppl B:17–26 (30 ref.)

THERAPEUTIC USE

[Prevention of infectious complications of major upper respiratory and digestive tract surgery by the combination of pefloxacin–amoxicillin–clavulanic acid] Russier M, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(6):406–10 (8 ref.) (Eng. Abstr.) **(Fre)**

PELIOSIS HEPATIS

COMPLICATIONS

Ascites revealing peritoneal and hepatic extramedullary hematopoiesis with peliosis in agnogenic myeloid metaplasia: case report and review of the literature. Lioté F, et al. **Am J Med** 1991 Jan;90(1):111–7 (32 ref.)

[Focal peliosis of the adult liver in combination with glycogenosis type I (v.Gierke). A case report and review of the recent literature] Eising EG, et al. **Radiologe** 1990 Sep;30(9):428–32 (29 ref.) (Eng. Abstr.) **(Ger)**

PELIZAEUS-MERZBACHER DISEASE see **CEREBRAL SCLEROSIS, DIFFUSE**

PELLAGRA

DIET THERAPY

Synthesis and availability of niacin in roasted coffee. Adrian J, et al. **Adv Exp Med Biol** 1991;289:49–59 (52 ref.)

PELLETS, DRUG see **DRUG IMPLANTS**

PELVIC BONES

Pelvic obliquity: a review. Dubousset J. **Orthopedics** 1991 Apr;14(4):479–81 (0 ref.)

ANATOMY & HISTOLOGY

Anatomy of the pelvic joints—a review. Dietrichs E. **Scand J Rheumatol Suppl** 1991;88:4–6 (7 ref.)

GROWTH & DEVELOPMENT

[Pelvic tilt and leg length discrepancy] Grill F, et al. **Orthopade** 1990 Sep;19(5):244–62 (70 ref.) (Eng. Abstr.) **(Ger)**

INJURIES

Fracture of the pelvis: current concepts of classification. Young JW, et al. **AJR Am J Roentgenol** 1990 Dec; 155(6):1169–75 (53 ref.)

ABC of major trauma. Radiological assessment—II. Lewars MD, et al. **BMJ** 1990 Oct 13;301(6756):861–4 (0 ref.)

Update on trauma care in Canada. 3. Pelvic ring fractures [see comments] O'Brien PJ. **Can J Surg** 1990 Dec; 33(6):447–50 (16 ref.) Comment in: Can J Surg 1990 Dec;33(6):431–2.

Trauma to the lower abdomen. Davis K Jr. **J Natl Med Assoc** 1990 Oct;82(10):717–20 (7 ref.)

Pelvic fracture patient care. Reflections on the past, implications for the future. Dunwoody CJ. **Nurs Clin North Am** 1991 Mar;26(1):65–72 (20 ref.)

[Injuries of the pelvis and retroperitoneal organs] Wilker DK, et al. **Urologe [A]** 1991 May;30(3):183–8 (12 ref.) (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Massive pelvic osteolysis in the Gorham–Stout syndrome. Kulenkampff HA, et al. **Int Orthop** 1990;14(4):361–6 (76 ref.)

PELVIC EXENTERATION

Radical surgery in rectal cancer patients: what does it mean today? Cavaliere R, et al. **J Surg Oncol Suppl** 1991;2:24–31 (54 ref.)

METHODS

Pelvic exenteration for recurrent cervical cancer. Stanhope CR, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):897–909 (27 ref.)

PELVIC INFECTION see **ADNEXITIS**

PELVIC INFLAMMATORY DISEASE see **ADNEXITIS**

PELVIC NEOPLASMS

The gynaecological problems of neurofibromatosis. Blickstein I, et al. **Aust N Z J Obstet Gynaecol** 1990 Nov; 30(4):380–2 (20 ref.)

Asymptomatic mild endometriosis in infertile women: the case for expectant management. Maouris P. **Obstet Gynecol Surv** 1991 Aug;46(8):548–51 (25 ref.)

COMPLICATIONS

Pelvic lipomatosis in a female: diagnosis and initial therapy. Hönecke K, et al. **Urol Int** 1991;46(1):93–5 (13 ref.)

DIAGNOSIS

Magnetic resonance imaging and pelvic malignancy. Husband JE. **Br J Hosp Med** 1991 May;45(5):294, 296–7, 299 (20 ref.)

Pelvic lipomatosis: a review of its diagnosis and management. Heyns CF. **J Urol** 1991 Aug;146(2):267–73 (101 ref.)

Postoperative and postradiation changes in the pelvis. Hricak H. **Magn Reson Q** 1990 Oct;6(4):276–97 (41 ref.)

[Computed tomography and magnetic resonance tomography in cases of pelvic tumors unconnected with organs] Mäurer J, et al. **Rontgenblatter** 1990 Oct;43(10):420–5 (26 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Extraskeletal Ewing's sarcoma. Presentation of two cases and review of the literature. Pavlidis NA, et al. **Eur J Surg Oncol** 1991 Jun;17(3):308–12 (12 ref.)

[Urological aspects of non-urological tumor in the lesser pelvis] Egghart G, et al. **Urologe [A]** 1990 Sep;29(5):265–71 (44 ref.) (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Role of imaging in the evaluation of pelvic cancer. Hricak H. **Important Adv Oncol** 1991;:103–33 (94 ref.)

[Computed tomography of the pelvis] Grabbe E, et al. **Rontgenpraxis** 1990 Aug;43(8):301–6 (17 ref.) **(Ger)**

RADIOTHERAPY

[Surgical prevention of radiation injuries of the small intestine] Rodier JF, et al. **Ann Chir** 1990;44(7):499–505; discussion 505–11 (60 ref.) **(Fre)**

THERAPY

Current management of endometriosis. Ranney B. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):220–6 (43 ref.)

PELVIS

Intussusception of the rectum and the solitary ulcer syndrome. Ihre T. **Ann Med** 1990 Dec;22(6):419–23 (35 ref.)

The role of the hormone relaxin in human reproduction and pelvic girdle relaxation. MacLennan AH. **Scand J Rheumatol Suppl** 1991;88:7–15 (16 ref.)

ANATOMY & HISTOLOGY

Functional anatomy of the female lower urinary tract and pelvic floor. DeLancey JO. **Ciba Found Symp** 1990; 151:57–69; discussion 69–76 (27 ref.)

Principles of protocol optimization for MRI of the abdomen and pelvis. Mitchell DG, et al. **Crit Rev Diagn Imaging** 1990;31(2):117–44 (75 ref.)

Current concepts of female pelvic anatomy and physiology. Mostwin JL. **Urol Clin North Am** 1991 May;18(2):175–95 (47 ref.)

BLOOD SUPPLY

Magnetic resonance angiography in the abdomen and pelvis. Koch M, et al. **Curr Opin Radiol** 1991 Jun;3(3):463–70 (25 ref.)

[Internal iliac artery ligation in gynecology and obstetrics] Dai ZY. **Chung Hua Fu Chan Ko Tsa Chih** 1991 Jan; 26(1):52–5 (23 ref.) **(Chi)**

[Ultrasonic diagnosis of arterial occlusive diseases of the pelvis and extremities] Zhane AK. **Khirurgiia (Mosk)** 1990 Dec;(12):151–4 (47 ref.) **(Rus)**

INNERVATION

Pelvic denervation for chronic pain associated with endometriosis: fact or fancy? Vercellini P, et al. **Am J Obstet Gynecol** 1991 Sep;165(3):745–9 (51 ref.)

PATHOLOGY

Postoperative and postradiation changes in the pelvis. Hricak H. **Magn Reson Q** 1990 Oct;6(4):276–97 (41 ref.)

PHYSIOLOGY

Current concepts of female pelvic anatomy and physiology. Mostwin JL. **Urol Clin North Am** 1991 May;18(2):175–95 (47 ref.)

SURGERY

Pelvic sidewall dissection. Reich H. **Clin Obstet Gynecol** 1991 Jun;34(2):412–22 (20 ref.)

PEMPHIGOID, BENIGN MUCOUS MEMBRANE

Pemphigoid. Bullous and cicatricial. Anhalt GJ. **Dermatol Clin** 1990 Oct;8(4):701–16 (107 ref.)

Cicatricial pemphigoid. Ahmed AR, et al. **J Am Acad Dermatol** 1991 Jun;24(6 Pt 1):987–1001 (96 ref.)

COMPLICATIONS

[Cicatricial pemphigoid disclosed by superficial desquamative gingivitis. Clinical and immuno-electron microscopic study of a case] Vaillant L, et al. **Ann Dermatol Venereol** 1990; 117(9):613–20 (30 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Dapsone therapy of cicatricial pemphigoid. Rogers RS 3d, et al. **Semin Dermatol** 1988 Sep;7(3):201–5 (19 ref.)

IMMUNOLOGY

Bullous and cicatricial pemphigoid. Anhalt GJ, et al. **J Autoimmun** 1991 Feb;4(1):17–35 (95 ref.)

PATHOLOGY

Childhood cicatricial pemphigoid with exclusive gingival involvement. Sklavounou A, et al. **Int J Oral Maxillofac Surg** 1990 Aug;19(4):197–9 (16 ref.)

PEMPHIGOID, BULLOUS

Pemphigoid. Bullous and cicatricial. Anhalt GJ. **Dermatol Clin** 1990 Oct;8(4):701–16 (107 ref.)

Bullous pemphigoid. Thivolet J, et al. **Semin Dermatol** 1988 Jun;7(2):91–103 (126 ref.)

CHEMICALLY INDUCED

Pemphigus and bullous pemphigoid due to drugs. Ruocco V, et al. **Int J Dermatol** 1991 May;30(5):307–12 (32 ref.)

COMPLICATIONS

Eccrine syringofibroadenomatous hyperplasia in a patient with bullous pemphigoid: a case report and review of the literature. Nomura K, et al. **Dermatologica** 1991; 182(1):59–62 (14 ref.)

[Bullous pemphigoid–multiple sclerosis association. A case report] Saada V, et al. **Ann Dermatol Venereol** 1990; 117(6–7):459–61 (15 ref.) **(Fre)**

IMMUNOLOGY

Childhood bullous pemphigoid. Clinical and immunologic features, treatment, and prognosis. Nemeth AJ, et al. **Arch Dermatol** 1991 Mar;127(3):378–86 (52 ref.)

Immune complex and complement-mediated leukocyte recruitment in bullous pemphigoid. Gammon WR. **Immunol Ser** 1989;46:509–25 (30 ref.)

Bullous and cicatricial pemphigoid. Anhalt GJ, et al. **J Autoimmun** 1991 Feb;4(1):17–35 (95 ref.)

[Pemphigoid gestationis: a single model of organ specific auto-immunity] Claudy AL. **Ann Dermatol Venereol** 1991; 118(4):323–7 (40 ref.) **(Fre)**

PATHOLOGY

Mast cell and eosinophil mediated damage in bullous pemphigoid. Goldstein SM, et al. **Immunol Ser** 1989; 46:527–45 (67 ref.)

[Lichen planus pemphigoides] Cognat T, et al. **Ann Dermatol Venereol** 1991;118(5):387–90 (26 ref.) **(Fre)**

[Dyshidrosiform pemphigoid] Torrelo A, et al. **Med Cutan Ibero Lat Am** 1990;18(3):189–90 (7 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Plasmapheresis therapy of pemphigus and bullous pemphigoid. Roujeau JC. **Semin Dermatol** 1988 Sep; 7(3):195–200 (68 ref.)

PEMPHIGOID, CICATRICIAL see **PEMPHIGOID, BENIGN MUCOUS MEMBRANE**

PEMPHIGUS

Pemphigus. Korman NJ. **Dermatol Clin** 1990 Oct; 8(4):689–700 (120 ref.)

Clinical, histologic, and immunopathologic comparison of pemphigus vulgaris and pemphigus foliaceus. Koulu L, et al. **Semin Dermatol** 1988 Jun;7(2):82–90 (39 ref.)

CHEMICALLY INDUCED

Drug-induced versus drug-triggered pemphigus. Wolf R, et al. **Dermatologica** 1991;182(4):207–10 (45 ref.)

Pemphigus and bullous pemphigoid due to drugs. Ruocco V, et al. **Int J Dermatol** 1991 May;30(5):307–12 (32 ref.)

[Superficial pemphigus in children. Induction role of amoxicillin?] Escallier F, et al. **Ann Dermatol Venereol** 1991;118(5):381–4 (18 ref.) **(Fre)**

[Pemphigus induced by alphamercaptopropionyl-glycine (Acadione)] Meunier L, et al. **Ann Dermatol Venereol** 1990; 117(12):959–61 (12 ref.) **(Fre)**

CLASSIFICATION

Biochemical differentiation of types of pemphigus. Eyre RW, et al. **Immunol Ser** 1989;46:317–31 (36 ref.)

COMPLICATIONS

The relationship of pemphigus to neoplasia. Younus J, et al. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 1):498–502 (33 ref.)

[Autochtonous leprosy in a patient treated for superficial pemphigus] Joly P, et al. **Ann Dermatol Venereol** 1991; 118(6–7):453–5 (15 ref.) **(Fre)**

[Castleman tumor, lichen ruber and pemphigus vulgaris: paraneoplastic association of immunological diseases?] Plewig G, et al. **Hautarzt** 1990 Dec;41(12):662–70 (40 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Multiple dermatofibromas in patients with autoimmune disorders receiving immunosuppressive therapy. Cohen PR. **Int J Dermatol** 1991 Apr;30(4):266–70 (20 ref.)

ETIOLOGY

Ionizing radiation-induced pemphigus. Case presentations and literature review. Low GJ, et al. **Arch Dermatol** 1990 Oct;126(10):1319–23 (17 ref.)

[Pemphigus vulgaris induced by radiotherapy] Delaporte E, et al. **Ann Dermatol Venereol** 1991;118(6–7):447–51 (33 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Pemphigus in families. Feinstein A, et al. **Int J Dermatol** 1991 May;30(5):347–51 (34 ref.)

IMMUNOLOGY

In vitro studies of acantholysis of keratinocytes induced by pemphigus antibody. Hashimoto KH, et al. **Immunol Ser** 1989;46:277–90 (61 ref.)

Immunopathology of pemphigus. Calvanico NJ, et al. **J Autoimmun** 1991 Feb;4(1):3–16 (70 ref.)

Is pemphigus an anti-adhering junction autoimmune disease? Stanley JR. **J Dermatol Sci** 1990 Jul;1(4):237–43 (35 ref.)

[Pemphigus: autoimmune disease, mechanisms of manifestation (editorial)] Vaillant L. **Ann Dermatol Venereol** 1991;118(6–7):443–6 (34 ref.) **(Fre)**

PATHOLOGY

Esophageal involvement in pemphigus vulgaris: report of two cases and review of the literature. Lurie R, et al. **Dermatologica** 1990;181(3):233–6 (15 ref.)

In vivo studies of antibody dependent acantholysis. Anhalt GJ, et al. **Immunol Ser** 1989;46:291–316 (66 ref.)

THERAPY

Therapy of pemphigus. Bystryn JC. **Semin Dermatol** 1988 Sep;7(3):186–94 (34 ref.)

Plasmapheresis therapy of pemphigus and bullous pemphigoid. Roujeau JC. **Semin Dermatol** 1988 Sep; 7(3):195–200 (68 ref.)

PEMPHIGUS VULGARIS see **PEMPHIGUS**

PENICILLAMINE

ADMINISTRATION & DOSAGE

[The effect of D-penicillamine on experimental liver cirrhosis induced by CCl4] Schaff Z, et al. **Morphol Igazsagugyi Orv Sz** 1990 Jul;30(3):161–9 (30 ref.) (Eng. Abstr.) **(Hun)**

ADVERSE EFFECTS

Penicillamine and wound healing in rheumatoid arthritis. Ansell BM, et al. **Proc R Soc Med** 1977;70 Suppl 3:75–7 (5 ref.)

Penicillamine-induced arthropathy in Wilson's disease. Walshe JM, et al. **Proc R Soc Med** 1977;70 Suppl 3:4–6 (5 ref.)

[A case report of rheumatoid arthritis which showed acute renal failure, nephrotic syndrome and drug-related lupus-like syndrome caused by D-penicillamine] Suda M, et al. **Nippon Jinzo Gakkai Shi** 1990 Nov;32(11):1235–41 (28 ref.) (Eng. Abstr.) **(Jpn)**

[Adverse reactions of immunomodulatory agents] Yamanaka H, et al. **Ryumachi** 1990 Apr;30(2):143–51 (61 ref.) **(Jpn)**

CHEMISTRY

Complexes of L-cysteine and D-penicillamine with gold (I) and (III). Brown DH, et al. **Proc R Soc Med** 1977;70 Suppl 3:41–2 (0 ref.)

A comparative study of in vitro and in vivo interaction of D-penicillamine and triethylenetetramine with copper. Sarkar B, et al. **Proc R Soc Med** 1977;70 Suppl 3:13–8 (7 ref.)

D-penicillamine chemical quality. Vidler JA. **Proc R Soc Med** 1977;70 Suppl 3:46–7 (2 ref.)

PHARMACOLOGY

Chemical basis for pharmacological and therapeutic actions of penicillamine. Friedman M. **Proc R Soc Med** 1977;70 Suppl 3:50–60 (89 ref.)

Is penicillamine immunostimulant? Huskisson EC. **Proc R Soc Med** 1977;70 Suppl 3:142–3 (9 ref.)

Mechanism of inhibition of collagen crosslinking by penicillamine. Nimni ME. **Proc R Soc Med** 1977;70 Suppl 3:65–72 (29 ref.)

[Anti-radical enzymes, oxygenated free radicals and lipoperoxydation in rheumatoid polyarthritis. Effects of treatment with D-penicillamine] Abella A, et al. **Rev Rhum Mal Osteoartic** 1990 Dec;57(12):855–61 (46 ref.) (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

D-penicillamine. Joyce DA. **Baillieres Clin Rheumatol** 1990 Dec;4(3):553–74 (112 ref.)

Copper and liver disease. Danks DM. **Eur J Pediatr** 1991 Jan;150(3):142–8 (43 ref.)

The use of D-penicillamine for lead poisoning. Beattie AD. **Proc R Soc Med** 1977;70 Suppl 3:43–5 (11 ref.)

Canadian experience with penicillamine therapy for cystinuria. Crawhall JC. **Proc R Soc Med** 1977;70 Suppl 3:34–6 (2 ref.)

Is the mechanism of action during treatment of rheumatoid arthritis with penicillamine and gold thiomalate the same? Jellum E, et al. **Proc R Soc Med** 1977;70 Suppl 3:136–9 (9 ref.)

Penicillamine and disorders affecting dermal collagen. Moynahan EJ. **Proc R Soc Med** 1977;70 Suppl 3:73–4 (2 ref.)

The management of cystinuria in 1976. Stephens AD. **Proc R Soc Med** 1977;70 Suppl 3:24–6 (10 ref.)

Cystine depletion of cystinotic cells by aminothiols. Thoene JG, et al. **Proc R Soc Med** 1977;70 Suppl 3:37–40 (15 ref.)

Penicillamine types in the sclerodermas. Tio TH. **Proc R Soc Med** 1977;70 Suppl 3:78–9 (8 ref.)

Brief observations on the management of Wilson's disease. Walshe JM. **Proc R Soc Med** 1977;70 Suppl 3:1–3 (9 ref.)

Penicillamine in corneal ulceration. Wright P, et al. **Proc R Soc Med** 1977;70 Suppl 3:80–1 (5 ref.)

PENICILLIN ACYLASE see **PENICILLIN AMIDASE**

PENICILLIN AMIDASE

The role of penicillin amidases in nature and in industry [published erratum appears in Trends Biochem Sci 1991 May;16(5):194] Valle F, et al. **Trends Biochem Sci** 1991 Jan;16(1):36–40 (32 ref.)

PENICILLIN AMIDOHYDROLASE see **PENICILLIN AMIDASE**

PENICILLIN, AMINOBENZYL see **AMPICILLIN**

PENICILLIN G, BENZATHINE

THERAPEUTIC USE

Syphilis. Musher D. **Pediatr Infect Dis J** 1990 Oct;9(10):768–9 (4 ref.)

PENICILLIN RESISTANCE

Penicillin-resistant pneumococci. Allen KD. **J Hosp Infect** 1991 Jan;17(1):3–13 (61 ref.)

PENICILLINASE

ANTAGONISTS & INHIBITORS

Overcoming enzymatic resistance in bacteria: impact on future therapy. Labia R, et al. **J Int Med Res** 1990;18 Suppl 4:48D–57D (57 ref.)

PENICILLINS

[Penicillin allergy--is the risk over?] Reshef A, et al. **Harefuah** 1990 Oct;119(7–8):224–9 (49 ref.) **(Heb)**

ADMINISTRATION & DOSAGE

Pharmacokinetic evaluation of single daily dose amikacin. Van der Auwera P. **J Antimicrob Chemother** 1991 May;27 Suppl C:63–71 (25 ref.)

[Combination of commonly used antibiotics in intravenous infusions] Li X. **Chung Hua Hu Li Tsa Chih** 1991 Jul; 26(7):321–2 (12 ref.) **(Chi)**

ADVERSE EFFECTS

[Comparison of the adverse effect profile of different substances such as penicillins, tetracyclines, sulfonamides and quinolones] Keller H. **Infection** 1991;19 Suppl 1:S19–24 (17 ref.) (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Potential industrial use of cephalosporin biosynthetic enzymes and genes. An overview. Yeh WK, et al. **Ann N Y Acad Sci** 1990;613:128–41 (39 ref.)

CHEMICAL SYNTHESIS

Semi-synthetic approaches to novel penicillins. Nayler JH. **Trends Biochem Sci** 1991 Jun;16(6):234–7 (13 ref.)

METABOLISM

Membrane topology, structure, and functions of the penicillin-interactive proteins. Ghuysen JM. **Biotechnol Appl Biochem** 1990 Oct;12(5):468–72 (36 ref.)

PHARMACOKINETICS

Clinical pharmacokinetics of antibacterial drugs in neonates. Paap CM, et al. **Clin Pharmacokinet** 1990 Oct;19(4):280–318 (175 ref.)

Advances in understanding the pharmacology of agents used to treat bacterial meningitis. Spector R. **Pharmacology** 1990; 41(3):113–8 (25 ref.)

PHARMACOLOGY

Temocillin. Spencer RC. **J Antimicrob Chemother** 1990 Dec; 26(6):735–7 (16 ref.)

THERAPEUTIC USE

Syphilis, neurosyphilis, penicillin, and AIDS. Musher DM. **J Infect Dis** 1991 Jun;163(6):1201–6 (17 ref.)

Group B streptococcus: the effectiveness of screening and chemoprophylaxis. Greenspoon JS, et al. **Obstet Gynecol Surv** 1991 Aug;46(8):499–508 (35 ref.)

A comparison of cephalosporins and penicillins in the treatment of group A beta-hemolytic streptococcal pharyngitis: a meta-analysis supporting the concept of microbial copathogenicity. Pichichero ME, et al. **Pediatr Infect Dis J** 1991 Apr;10(4):275–81 (54 ref.)

The Jarisch-Herxheimer reaction in leptospirosis: possible pathogenesis and review. Friedland JS, et al. **Rev Infect Dis** 1991 Mar-Apr;13(2):207-10 (44 ref.)

PENICILLIUM

CLASSIFICATION

Problems and prospects for the taxonomy of Penicillium. Onions AH, et al. **Microbiol Sci** 1984 Nov;1(8):185-9 (37 ref.)

ENZYMOLOGY

The zymogram technique: isoenzyme patterns as an aid in Penicillium classification. Cruickshank RH, et al. **Microbiol Sci** 1987 Jan;4(1):14-7 (17 ref.)

PENILE DISEASES

BLOOD

[Age-related changes in plasma androstanediol glucuronide in men] Nahoul K, et al. **Pathol Biol (Paris)** 1990 Nov; 38(9):928-34 (47 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

The penis. Doubilet PM, et al. **Semin Ultrasound CT MR** 1991 Apr;12(2):157-75 (19 ref.)

ETIOLOGY

Genital edema in children on continuous ambulatory peritoneal dialysis. Robson WL, et al. **Child Nephrol Urol** 1990;10(4):205-10 (26 ref.)

Ulcerative lesions and herpes simplex virus type 2 in a patient with Evan's syndrome. Wilson DC, et al. **South Med J** 1990 Dec;83(12):1484-6 (18 ref.)

PENILE ERECTION

Evaluation and treatment of erectile dysfunction following spinal cord injury: a review. Linsenmeyer TA. **J Am Paraplegia Soc** 1991 Apr;14(2):43-51 (65 ref.)

DRUG EFFECTS

[Impotence: therapeutic possibilities] Dejager S, et al. **Ann Med Interne (Paris)** 1990;141(4):367-73 (41 ref.) **(Fre)**

PHYSIOLOGY

Plethysmography in the assessment and treatment of sexual deviance: an overview. Simon WT, et al. **Arch Sex Behav** 1991 Feb;20(1):75-91 (62 ref.)

Urologic considerations in geriatric erectile failure. Mulligan T, et al. **Clin Geriatr Med** 1991 Feb;7(1):73-84 (55 ref.)

Repair of a traumatically amputated penis with return of erectile function. Lowe MA, et al. **J Urol** 1991 Jun; 145(6):1267-70 (15 ref.)

PENILE INDURATION

[Peyronie's disease] Begliomini H, et al. **AMB Rev Assoc Med Bras** 1990 Jan-Mar;36(1):28-31 (33 ref.) **(Por)**

PENILE NEOPLASMS

Buschke-Loewenstein tumor: verrucous carcinoma of the penis. Schwartz RA. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 1):723-7 (52 ref.)

Sexually transmitted diseases: cutaneous lesions. Stein BS. **Semin Urol** 1991 Feb;9(1):2-8 (18 ref.)

[Carcinoma of the penis. Review of the literature and presentation of a clinical case] De Cesare A, et al. **G Chir** 1988 Feb;9(2):106-9 (13 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Penile cancer: curable with early detection. Rotolo JE, et al. **Hosp Pract (Off Ed)** 1991 Jun 15;26(6):131-8 (10 ref.)

DRUG THERAPY

[Chemotherapy of penile carcinomas] Roth S, et al. **Urologe [A]** 1991 Jan;30(1):10-6 (29 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

Squamous cell carcinoma of the penis. Hunter-Mellado R, et al. **Bol Asoc Med P R** 1990 Sep;82(9):416-8 (7 ref.)

ETIOLOGY

The role of papillomaviruses in anogenital cancer. zur Hausen H. **Scand J Infect Dis Suppl** 1990;69:107-11 (38 ref.)

PATHOLOGY

Malignant melanoma of the penis. A report of four cases. Zurrida S, et al. **Tumori** 1990 Dec 31;76(6):599-602 (28 ref.)

[A case of malignant melanoma of the penis] Watanabe T, et al. **Hinyokika Kiyo** 1991 Jun;37(6):637-9 (8 ref.) (Eng. Abstr.) **(Jpn)**

SECONDARY

Metastasis to the penis. Case reports and review of the literature. Osther PJ, et al. **Int Urol Nephrol** 1991; 23(2):161-7 (25 ref.)

[Penile metastasis of prostatic carcinoma: a case report] Musci R, et al. **Arch Ital Urol Nefrol Androl** 1991 Mar;63(1):173-6 (23 ref.) (Eng. Abstr.) **(Ita)**

SURGERY

Penile carcinoma: the case for primary lymphadenectomy. Koch MO, et al. **Cancer Treat Res** 1989;46:55-64 (22 ref.)

Laser treatment of congenital vascular malformations. Landthaler M, et al. **Int Angiol** 1990 Jul-Sep;9(3):208-13 (43 ref.)

[Therapy of penis cancer: border lines between organ preservation and radical surgery] Schilling A. **Hautarzt** 1990 Sep;41(9):473-5 (33 ref.) **(Ger)**

THERAPY

Penile and adrenal cancer. Fossâ SD. **Curr Opin Oncol** 1991 Jun;3(3):565-7 (13 ref.)

Penile and adrenal cancer. Fossâ SD. **Curr Opin Oncol** 1990 Jun;2(3):533-6 (14 ref.)

[Treatment of condyloma acuminata using human lymphoblastoid interferon] Kinukawa T, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1295-300 (17 ref.) (Eng. Abstr.) **(Jpn)**

PENILE PROSTHESIS

STANDARDS

Mechanical devices for the treatment of erectile dysfunction. Witherington R. **Am Fam Physician** 1991 May; 43(5):1611-20 (5 ref.)

PENIS

see related
CIRCUMCISION

ABNORMALITIES

Penopubic and penile testicular ectopia. Redman JF, et al. **South Med J** 1991 Apr;84(4):535-6 (16 ref.)

ANATOMY & HISTOLOGY

Human immunodeficiency virus, genital ulcers and the male foreskin: synergism in HIV-1 transmission. Jessamine PG, et al. **Scand J Infect Dis Suppl** 1990;69:181-6 (22 ref.)

BLOOD SUPPLY

[Male impotence. Radiologic venous evaluation] Delcour C. **Ann Urol (Paris)** 1991;25(2):67-71 (54 ref.) (Eng. Abstr.) **(Fre)**

INJURIES

Traumatic rupture of the corpus cavernosum. Kuyumcuoglu U, et al. **Int Urol Nephrol** 1990;22(4):363-6 (20 ref.)

Repair of a traumatically amputated penis with return of erectile function. Lowe MA, et al. **J Urol** 1991 Jun; 145(6):1267-70 (15 ref.)

Reconstruction of traumatically acquired defects of the phallus. Horton CE, et al. **World J Surg** 1990 Nov-Dec; 14(6):757-62 (9 ref.)

[Fracture of the penis] Khinev A, et al. **Khirurgiia (Sofiia)** 1990;43(6):71-4 (16 ref.) (Eng. Abstr.) **(Bul)**

INNERVATION

Dorsal penile nerve block for newborn circumcision. Fontaine P, et al. **Am Fam Physician** 1991 Apr; 43(4):1327-33 (20 ref.)

RADIOGRAPHY

[Male impotence. Radiologic venous evaluation] Delcour C. **Ann Urol (Paris)** 1991;25(2):67-71 (54 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

The MAGPI hypospadias repair in 1111 patients. Duckett JW, et al. **Ann Surg** 1991 Jun;213(6):620-5; discussion 625-6 (22 ref.)

[Role of plastic surgery in male sterility] Scuderi N, et al. **G Chir** 1989 Mar;10(3):128-30 (15 ref.) (Eng. Abstr.) **(Ita)**

PENIS, ARTIFICIAL see **PENILE PROSTHESIS**

PENSIONS

The rating of psychiatric impairment in forensic practice: a review. Mendelson G. **Aust N Z J Psychiatry** 1991 Mar; 25(1):84-94 (38 ref.)

PENTACHLOROPHENOL

TOXICITY

Pentachlorophenol. Seiler JP. **Mutat Res** 1991 Jan; 257(1):27-47 (112 ref.)

PENTAMIDINE

ADMINISTRATION & DOSAGE

[Aerosol-pentamidine for pneumocystis carinii pneumonia: development and 4-year personal experiences] Schmitt HJ, et al. **Pneumologie** 1990 Nov;44(11):1237-44 (84 ref.) **(Ger)**

THERAPEUTIC USE

Widespread dissemination of Pneumocystis carinii infection in a patient with acquired immune deficiency syndrome receiving long-term treatment with aerosolized pentamidine. Dembinski AS, et al. **Am J Clin Pathol** 1991 Jan;95(1):96-100 (23 ref.)

Prophylaxis and treatment of Pneumocystis carinii pneumonia. O'Doherty MJ, et al. **Br J Hosp Med** 1991 May;45(5):277-8, 280, 283 (44 ref.)

Pentamidine: a review. Wispelwey B, et al. **Infect Control Hosp Epidemiol** 1991 Jun;12(6):375-82 (63 ref.)

Nebulized pentamidine as prophylaxis for Pneumocystis carinii pneumonia. Miller R, et al. **J Antimicrob Chemother** 1991 Feb;27(2):153-7 (42 ref.)

[Prevention of pneumocystosis with pentamidine aerosols] Fraisse P, et al. **Presse Med** 1990 Nov 17;19(38):1762-6 (52 ref.) (Eng. Abstr.) **(Fre)**

[Pneumocystis carinii pneumonia in HIV infection. Diagnosis, prognostic factors and curative treatment] Saimot AG, et al. **Presse Med** 1991 Feb 16;20(6):258-64 (44 ref.) (Eng. Abstr.) **(Fre)**

PENTAMIDINE ISETHIONATE see **PENTAMIDINE**

PENTANES

METABOLISM

Correlations and apparent contradictions in assessment of oxidant stress status in vivo. Smith CV. **Free Radic Biol Med** 1991;10(3-4):217-24 (61 ref.)

PENTETATES see **DTPA**

PENTHANIL see **DTPA**

PENTHIOBARBITAL see **THIOPENTAL**

PENTOBARBITAL

POISONING

[Combined poisoning by etaminal sodium and cyclodol] Naumov VN. **Sud Med Ekspert** 1990 Jul-Sep;33(3):48-50 (19 ref.) **(Rus)**

PENTOSAN POLYSULFATE see **PENTOSAN SULFURIC POLYESTER**

PENTOSAN SULFURIC POLYESTER

THERAPEUTIC USE

[Interstitial cystitis: drug therapy] Piña Vera MJ, et al. **Actas Urol Esp** 1990 May-Jun;14(3):165-71 (87 ref.) (Eng. Abstr.) **(Spa)**

PENTOSE PHOSPHATE SHUNT see **PENTOSEPHOSPHATE PATHWAY**

PENTOSE SHUNT see **PENTOSEPHOSPHATE PATHWAY**

PENTOSEPHOSPHATE PATHWAY

The pentose phosphate pathway in skeletal muscle under patho-physiological conditions. A combined histochemical and biochemical study. Meijer AE. **Prog Histochem Cytochem** 1991;22(2):1-118 (424 ref.)

PENTOSTATIN

THERAPEUTIC USE

New purine analogues for the treatment of chronic B-cell malignancies. Gribbin TE. **Henry Ford Hosp Med J** 1991; 39(2):98-102 (33 ref.)

[Clinical pharmacology of pentostatin] Robak T. **Pol Tyg Lek** 1990 May 21-28;45(21-22):435-8 (35 ref.) **(Pol)**

PEPSINOGEN

BLOOD

[Serum pepsinogen I in gastroduodenal pathology] Perasso

A, et al. **Recenti Prog Med** 1991 Feb;82(2):86–90 (34 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

[Pepsinogen: the physiological and clinical aspects (a review of the literature)] Panasiuk EN, et al. **Vrach Delo** 1990 Oct; (10):80–3 (22 ref.) **(Rus)**

PEPTIC ULCER

see related
GASTRECTOMY
ZOLLINGER–ELLISON SYNDROME

Acid peptic disease in the elderly. McCarthy DM. **Clin Geriatr Med** 1991 May;7(2):231–54 (96 ref.)

Pathogenesis and therapy of peptic ulcer disease. Peterson WL. **J Clin Gastroenterol** 1990;12 Suppl 2:S1–6 (24 ref.)

Peptic ulcer disease in children. Gryboski JD. **Med Clin North Am** 1991 Jul;75(4):889–902 (119 ref.)

The course of peptic ulcer disease. Katz J. **Med Clin North Am** 1991 Jul;75(4):831–40 (61 ref.)

Peptic ulcer disease. Colley S. **Practitioner** 1991 Mar; 235(1500):233–8 (8 ref.)

[What do we know and what do we not know about peptic ulcer] Mechkov G, et al. **Vutr Boles** 1991;30(2):1–6 (0 ref.) **(Bul)**

CHEMICALLY INDUCED

Non–steroidal anti–inflammatory drug–induced gastroduodenal injury: therapeutic recommendations. Curtis WD, et al. **Aliment Pharmacol Ther** 1991;5 Suppl 1:99–109 (33 ref.)

Nonsteroidal anti–inflammatory drugs and peptic ulcer disease. Soll AH, et al. **Ann Intern Med** 1991 Feb 15; 114(4):307–19 (80 ref.)

NSAID gastropathy. The central issue. Roth SH. **Drugs** 1990; 40 Suppl 5:25–8 (12 ref.)

NSAID–induced gastrointestinal damage. A critical review of prophylaxis and therapy. McCarthy DM. **J Clin Gastroenterol** 1990;12 Suppl 2:S13–20 (24 ref.)

Risk factors for gastrointestinal ulcers caused by nonsteroidal anti–inflammatory drugs (NSAIDs) [published erratum appears in J Fam Pract 1991 Jul;33(1):16] Agrawal N. **J Fam Pract** 1991 Jun;32(6):619–24 (48 ref.)

Nonsteroidal anti–inflammatory drugs and peptic ulcer disease. An overview. Silverstein F. **Postgrad Med** 1991 May 15;89(7):33–40 (31 ref.)

[Prevention of gastroduodenal disorders with the use of non–steroidal anti–inflammatory drugs] Bijlsma JW, et al. **Ned Tijdschr Geneeskd** 1991 Jan 12;135(2):45–8 (22 ref.) **(Dut)**

[Epidemiology and treatment of gastroduodenal lesions caused by non–steroidal anti–inflammatory agents] Thiéfin G. **Rev Med Interne** 1991 May–Jun;12(3):227–36 (82 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Pathophysiology, monitoring, and management of the ventilator–dependent patient: considerations for drug therapy, emphasis on stress ulcer prophylaxis. Dellinger RP. **DICP** 1990 Nov;24(11 Suppl):S8–11 (16 ref.)

DIAGNOSIS

Acid peptic disease in adolescents. How to avoid misdiagnosis and undertreatment. Robinson M. **Postgrad Med** 1991 Aug;90(2):189–90, 195–8 (27 ref.)

Clinical recognition and evaluation of peptic ulcer disease. Rosen SD, et al. **Postgrad Med** 1990 Oct;88(5):42–7,51,55 (12 ref.)

DIET THERAPY

Diet and nutrition in ulcer disease. Marotta RB, et al. **Med Clin North Am** 1991 Jul;75(4):967–79 (58 ref.)

DRUG THERAPY

Pathophysiology of NSAID–induced gastroduodenal damage: epidemiology and mechanisms of action of therapeutic agents. Ivey KJ. **Aliment Pharmacol Ther** 1991; 5 Suppl 1:91–8 (32 ref.)

Stress ulceration in the intensive care unit: use of H2–receptor antagonists. Moore JG. **Aliment Pharmacol Ther** 1991;5 Suppl 1:111–9 (23 ref.)

Degrees of acid suppression and ulcer healing: dosage considerations. Pounder RE. **Aliment Pharmacol Ther** 1991; 5 Suppl 1:5–13 (35 ref.)

Treatment of peptic ulcer disease with sucralfate: a review. Hunt RH. **Am J Med** 1991 Aug 8;91(2A):102S–106S (54 ref.)

Mechanisms of gastroduodenal protection by sucralfate. Rees WD. **Am J Med** 1991 Aug 8;91(2A):58S–63S (53 ref.)

The gastropulmonary route of infection—fact or fiction? Tryba M. **Am J Med** 1991 Aug 8;91(2A):135S–146S (65 ref.)

The evolution of peptic ulcer therapy. A role for temporal control of drug delivery. Warner CW, et al. **Ann N Y Acad Sci** 1991;618:504–16 (49 ref.)

Sucralfate versus antacids or H2–antagonists for stress ulcer prophylaxis: a meta–analysis on efficacy and pneumonia rate. Tryba M. **Crit Care Med** 1991 Jul;19(7):942–9 (47 ref.)

Current and future drugs for acid–peptic disease: a plethora of opinions on possible mechanisms of action. Dent J, et al. **DICP** 1990 Dec;24(12):1226–31 (1 ref.)

The clinical safety of omeprazole. Sölvell L. **Digestion** 1990; 47 Suppl 1:59–63; discussion 76 (1 ref.)

Clinical development programme for omeprazole. Walan A. **Digestion** 1990;47 Suppl 1:54–8; discussion 76 (13 ref.)

Bismuth compounds in the treatment of peptic ulcer: a review. Nanivadekar SA. **J Assoc Physicians India** 1990 Sep;38 Suppl 1:736–42 (72 ref.)

Should safety concerns with available ulcer treatment influence drug selection? Isenberg JI. **J Clin Gastroenterol** 1990;12 Suppl 2:S48–53 (36 ref.)

The clinical importance of drug interactions with antiulcer therapy. Reynolds JC. **J Clin Gastroenterol** 1990;12 Suppl 2:S54–63 (69 ref.)

Clinical experience with omeprazole: assessment of efficacy and safety. Walan A. **J Gastroenterol Hepatol** 1989;4 Suppl 2:27–33 (26 ref.)

Medical treatment of peptic ulcer disease. Rubin W. **Med Clin North Am** 1991 Jul;75(4):981–98 (30 ref.)

Histamine2–receptor antagonists. Standard therapy for acid–peptic diseases (2) [see comments] Feldman M, et al. **N Engl J Med** 1990 Dec 20;323(25):1749–55 (88 ref.) Comment in: N Engl J Med 1991 May 2;324(18):1289–90.

Histamine2–receptor antagonists. Standard therapy for acid–peptic diseases. 1. Feldman M, et al. **N Engl J Med** 1990 Dec 13;323(24):1672–80 (202 ref.)

Sucralfate. McCarthy DM. **N Engl J Med** 1991 Oct 3; 325(14):1017–25 (159 ref.)

Histamine H2–receptor antagonists. Keithley JK. **Nurs Clin North Am** 1991 Jun;26(2):361–73 (22 ref.)

Peptic ulcer disease. How to treat it now. Gilbert G, et al. **Postgrad Med** 1991 Mar;89(4):91–3, 96, 98 (34 ref.)

Acid and barriers. Current research and future developments for peptic ulcer therapy. Rademaker JW, et al. **Scand J Gastroenterol Suppl** 1990;175:19–26 (67 ref.)

Proton–pump inhibition for acid–related disease. Holt S. **South Med J** 1991 Sep;84(9):1078–87 (70 ref.)

[Prostaglandin analogs in ulcer therapy] Hotz J. **Z Gastroenterol Verh** 1991 Mar;26:162–5 (18 ref.) **(Ger)**

[Histamine H2 receptor blockaders: possibilities and prognosis in the use of stage I–II preparations in the therapy of internal diseases] Grebnev AL, et al. **Klin Med (Mosk)** 1991 Mar;69(3):23–7 (47 ref.) **(Rus)**

[Famotidine—a new histamine H2 receptor blockader] Grigor'ev PIa, et al. **Klin Med (Mosk)** 1991 Apr;69(4):23–8 (57 ref.) **(Rus)**

[Histamine H2 receptor blockaders: possibilities and prognosis in the use of stage III–IV preparations in the therapy of internal diseases] Miagkova LP, et al. **Klin Med (Mosk)** 1991 Mar;69(3):27–34 (53 ref.) **(Rus)**

[Synthetic analog of prostaglandin E2 (enprostil) in the treatment of peptic ulcer] Grigor'ev PIa, et al. **Sov Med** 1991;(3):39–43 (53 ref.) **(Rus)**

EPIDEMIOLOGY

Acute upper gastrointestinal bleeding in elderly persons [clinical conference] Miller DK, et al. **J Am Geriatr Soc** 1991 Apr;39(4):409–22 (127 ref.)

Epidemiology in peptic ulcer disease. Current status and future aspects. Glise H. **Scand J Gastroenterol Suppl** 1990; 175:13–8 (70 ref.)

[Epidemiology and diagnosis of Helicobacter pylori infection] Kist M. **Z Gastroenterol Verh** 1991 Mar;26:286–9 (25 ref.) **(Ger)**

ETIOLOGY

The aetiology of peptic ulcer—"debugging" an enigma and its impact on therapy [editorial] Nanivadekar SA. **J Assoc Physicians India** 1990 Sep;38 Suppl 1:683–8 (57 ref.)

Stress–related mucosal damage: review of drug therapy. Vorder Bruegge WF, et al. **J Clin Gastroenterol** 1990;12 Suppl 2:S35–40 (26 ref.)

Peptic ulcer: from epidemiology to cause. Lam SK. **J Gastroenterol Hepatol** 1989;4 Suppl 2:1–6 (70 ref.)

Recent concepts of aetiology and treatment of peptic ulcer. Bhattacharya MK, et al. **J Indian Med Assoc** 1990 Nov; 88(11):322–3 (14 ref.)

Risk of gastroduodenal ulcer in gastritis. Sipponen P. **Mater Med Pol** 1990 Apr–Jun;22(2):105–7 (26 ref.)

Prevention of stress ulcer bleeding: a review. Geus WP, et al. **Scand J Gastroenterol Suppl** 1990;178:32–41 (71 ref.)

[Psychological stress and gastroduodenal ulcer] Rigaud D. **Gastroenterol Clin Biol** 1990;14(10):757–65 (71 ref.) **(Fre)**

[Peptic ulcers] Kobayashi K. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):411–4 (5 ref.) **(Jpn)**

[Helicobacter (Campylobacter) pylori in the etiology and pathogenesis of gastritis and peptic ulcer] Aruin LI. **Arkh Patol** 1990;52(10):3–8 (37 ref.) (Eng. Abstr.) **(Rus)**

[Various current theories on the aggressive factors in peptic ulcer] Minushkin ON, et al. **Klin Med (Mosk)** 1990 Aug; 68(8):36–41 (24 ref.) **(Rus)**

[Platelet activating factor as a mediator of lesions of the digestive system] Polonskiĭ VM. **Klin Med (Mosk)** 1990 Aug;68(8):27–31 (39 ref.) **(Rus)**

[Lesions of the gastrointestinal tract in children with dermatomyositis] Musaev SN. **Pediatriia** 1990;(10):101–5 (79 ref.) **(Rus)**

[Primary peptic ulcer in infancy and childhood. Personal experience] Lama Moré R, et al. **An Esp Pediatr** 1990 Aug; 33(2):113–6 (27 ref.) (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Helicobacter pylori: aggressor or innocent bystander? Clearfield HR. **Med Clin North Am** 1991 Jul;75(4):815–29 (76 ref.)

Helicobacter pylori and peptic ulcer disease. Peterson WL. **N Engl J Med** 1991 Apr 11;324(15):1043–8 (97 ref.)

PHYSIOPATHOLOGY

Role of the central nervous system in stress ulcers. Glavin GB. **Compr Ther** 1991 Apr;17(4):3–5 (16 ref.)

Pathophysiologic changes in the critically ill patient: risk factors for ulceration and altered drug metabolism. Gonzalez ER. **DICP** 1990 Nov;24(11 Suppl):S5–7 (18 ref.)

Asymptomatic peptic ulcer disease. Is it worth looking for? Corinaldesi R, et al. **Drugs** 1991 Jun;41(6):821–4 (30 ref.)

Peptic ulcer pathophysiology. Mertz HR, et al. **Med Clin North Am** 1991 Jul;75(4):799–814 (102 ref.)

[The current physiopathological, diagnostic, clinical and therapeutic considerations of peptic ulcer. A comparison between traditional and modern therapeutic methods] Pace V, et al. **Minerva Dietol Gastroenterol** 1990 Apr–Jun; 36(2):63–75 (65 ref.) (Eng. Abstr.) **(Ita)**

[Blood flow and the functional status of the mucosa before and after vagotomy] Kuzin NM, et al. **Vestn Khir** 1990 Jun;144(6):145–9 (28 ref.) **(Rus)**

PREVENTION & CONTROL

Maintenance therapy in peptic ulcer disease. Earnest DL. **Med Clin North Am** 1991 Jul;75(4):1013–38 (90 ref.)

Preventing NSAID–induced ulcers: the use of misoprostol. Lynn MM, et al. **Nurse Pract** 1990 Oct;15(10):38–9, 42 (26 ref.)

PSYCHOLOGY

Non–ulcer dyspepsia. Morris C. **J Psychosom Res** 1991; 35(2–3):129–40 (89 ref.)

Psychologic factors associated with peptic ulcer disease. Schindler BA, et al. **Med Clin North Am** 1991 Jul; 75(4):865–76 (66 ref.)

SURGERY

Surgery for peptic ulcer disease. Jordan PH Jr. **Curr Probl Surg** 1991 Apr;28(4):265–330 (174 ref.)

Surgical treatment of peptic ulcer disease. Sachdeva AK, et al. **Med Clin North Am** 1991 Jul;75(4):999–1012 (56 ref.)

Reoperation for recurrent peptic ulcer disease. McFadden DW, et al. **Surg Clin North Am** 1991 Feb;71(1):77–92 (73 ref.)

Operations for peptic ulcer [editorial] Kelly KA. **Surgery** 1991 Jun;109(6):802–3 (2 ref.)

[The use of an isolated jejunum segment in gastric surgery] Rozsos I. **Orv Hetil** 1991 Jan 6;132(1):23–7 (51 ref.) (Eng. Abstr.) **(Hun)**

[State of the art in the treatment of peptic ulcer] Hollender LF, et al. **Ann Ital Chir** 1990 Jan–Feb;61(1):5–8 (23 ref.) **(Ita)**

[Reinnervation of the stomach after vagotomy as a factor in ulcer recurrence] Filipovich NE, et al. **Khirurgiia (Mosk)** 1990 Dec;(12):146–51 (88 ref.) **(Rus)**

[Vagotomy in the treatment of gastroduodenal ulcer] Maiat VS. **Klin Med (Mosk)** 1990 Aug;68(8):31–6 (62 ref.) **(Rus)**

[Postoperative reflux gastritis] Riabtsev VG, et al. **Klin Med (Mosk)** 1990 Sep;68(9):22–7 (74 ref.) **(Rus)**

[Detection of susceptibility to dumping syndrome] Akimov VP. **Vestn Khir** 1990 Aug;145(8):143–5 (42 ref.) **(Rus)**

THERAPY

Maintenance therapy for peptic ulcer disease. Wormsley KG. **Aliment Pharmacol Ther** 1991;5 Suppl 1:37–47 (30 ref.)

Medical treatment and prevention of peptic ulcer disease. Rogers AI. **Postgrad Med** 1990 Oct;88(5):57–60 (15 ref.)

[Therapeutic protocol in ulcers due to non–steroidal anti–inflammatory drugs] van Berge Henegouwen GP, et al. **Ned Tijdschr Geneeskd** 1991 Mar 23;135(12):504–8 (30 ref.) **(Dut)**

[Therapy of peptic ulcer] Berndt H, et al. **Z Arztl Fortbild (Jena)** 1990;84(13):631–5 (15 ref.) **(Ger)**

[Clinico–pathogenetic aspects of peptic ulcer therapy] Chernin VV. **Ter Arkh** 1991;63(2):124–7 (16 ref.) (Eng. Abstr.) **(Rus)**

PEPTIC ULCER HEMORRHAGE

DRUG THERAPY

Clinical development programme for omeprazole. Walan A. **Digestion** 1990;47 Suppl 1:54–8; discussion 76 (13 ref.)

[Octreotide in the treatment of peptic hemorrhages] Gyr K, et al. **Z Gastroenterol** 1990 Sep;28 Suppl 2:32–5 (21 ref.) **(Ger)**

EPIDEMIOLOGY

Endoscopic risk factors for bleeding peptic ulcer. Johnston JH. **Gastrointest Endosc** 1990 Sep–Oct;36(5 Suppl):S16–20 (30 ref.)

ETIOLOGY

[Prognosis and surgical tactics in gastroduodenal ulcers] Zakharova GN, et al. **Sov Med** 1990;(10):35–9 (60 ref.) **(Rus)**

[Characteristics of peptic ulcer in women] Sakhautdinov VG, et al. **Vestn Khir** 1991 Feb;146(2):145–7 (22 ref.) **(Rus)**

PREVENTION & CONTROL

[Prevention of stress ulcer hemorrhage: a risk–benefit analysis] Jehle EC, et al. **Z Gastroenterol** 1990 Jun; 28(6):315–21 (97 ref.) (Eng. Abstr.) **(Ger)**

[Prevention of stress hemorrhage in critical care patients] Rösch W. **Z Gastroenterol Verh** 1991 Mar;26:29–30 (16 ref.) **(Ger)**

[Modern concepts for the prevention of acute stress hemorrhage] Tryba M, et al. **Z Gastroenterol Verh** 1991 Mar;26:26–8 (36 ref.) **(Ger)**

SURGERY

Argon laser/CO2 treatment of bleeding ulcers. Cotton PB. **Gastrointest Endosc** 1990 Sep–Oct;36(5 Suppl):S32–3 (9 ref.)

Heat probe for hemostasis of bleeding peptic ulcers: technique and results of randomized controlled trials. Jensen DM. **Gastrointest Endosc** 1990 Sep–Oct;36(5 Suppl):S42–9 (21 ref.)

Therapeutic endoscopy and bleeding ulcers. Bipolar/multipolar electrocoagulation. Laine L. **Gastrointest Endosc** 1990 Sep–Oct;36(5 Suppl):S38–41 (30 ref.)

Monopolar and electrohydrothermal treatment of upper gastrointestinal bleeding. Papp JP. **Gastrointest Endosc** 1990 Sep–Oct;36(5 Suppl):S34–7 (22 ref.)

Therapeutic endoscopy and bleeding ulcers. Nd:YAG laser: the pro approach. Swain CP. **Gastrointest Endosc** 1990 Sep–Oct;36(5 Suppl):S30–1 (18 ref.)

Upper gastrointestinal bleeding—when to operate. Wheatley KE, et al. **Postgrad Med J** 1990 Nov;66(781):926–31 (22 ref.)

[Surgical tactics in bleeding duodenal ulcers] Khachiev LG, et al. **Khirurgiia (Mosk)** 1990 Jul;(7):32–6 (50 ref.) (Eng. Abstr.) **(Rus)**

THERAPY

Management of upper gastrointestinal bleeding. Papp JP. **Clin Geriatr Med** 1991 May;7(2):255–64 (47 ref.)

Consensus statement on therapeutic endoscopy and bleeding ulcers. Consensus Development Panel. **Gastrointest Endosc** 1990 Sep–Oct;36(5 Suppl):S62–5 (0 ref.)

Therapeutic endoscopy and bleeding ulcers: methodology. Benjamin SB. **Gastrointest Endosc** 1990 Sep–Oct;36(5 Suppl):S56–61 (30 ref.)

Introduction to endoscopic therapy for bleeding peptic ulcers. Jiranek GC, et al. **Gastrointest Endosc** 1990 Sep–Oct;36(5 Suppl):S25–9 (39 ref.)

Topical therapy for the control of gastrointestinal bleeding. Peura DA. **Gastrointest Endosc** 1990 Sep–Oct;36(5 Suppl):S53–5 (17 ref.)

Injection therapy for the control of bleeding ulcers. Sugawa C. **Gastrointest Endosc** 1990 Sep–Oct;36(5 Suppl):S50–2 (11 ref.)

Management of bleeding ulcers. Dudnick R, et al. **Med Clin North Am** 1991 Jul;75(4):947–65 (110 ref.)

PEPTIC ULCER PERFORATION

Neonatal duodenal perforation. Miller BM, et al. **J Pediatr Gastroenterol Nutr** 1990 Oct;11(3):407–10 (19 ref.)

ETIOLOGY

[Characteristics of peptic ulcer in women] Sakhautdinov VG, et al. **Vestn Khir** 1991 Feb;146(2):145–7 (22 ref.) **(Rus)**

PEPTIDASE INHIBITORS see **PROTEASE INHIBITORS**

PEPTIDE CHAIN ELONGATION

see related
PEPTIDE ELONGATION FACTORS
PROTEIN SYNTHESIS INHIBITORS

Regulation of protein synthesis at the elongation stage. New insights into the control of gene expression in eukaryotes. Ryazanov AG, et al. **FEBS Lett** 1991 Jul 22;285(2):170–5 (80 ref.)

PEPTIDE CHAIN INITIATION

see related
PEPTIDE INITIATION FACTORS
PROTEIN SYNTHESIS INHIBITORS

Baker's yeast, the new work horse in protein synthesis studies: analyzing eukaryotic translation initiation. Linder P, et al. **Bioessays** 1990 Nov;12(11):519–26 (51 ref.)

Scanning, internal initiation and the control of the initiation of protein synthesis. Donahue TF. **Curr Opin Cell Biol** 1990 Dec;2(6):1087–91 (33 ref.)

PEPTIDE CHAIN TERMINATION

see related
PEPTIDE TERMINATION FACTORS

Recent advances in peptide chain termination. Craigen WJ, et al. **Mol Microbiol** 1990 Jun;4(6):861–5 (48 ref.)

PEPTIDE ELONGATION FACTORS

METABOLISM

Regulation of protein synthesis at the elongation stage. New insights into the control of gene expression in eukaryotes. Ryazanov AG, et al. **FEBS Lett** 1991 Jul 22;285(2):170–5 (80 ref.)

Phosphorylation of elongation factor 2: a key mechanism regulating gene expression in vertebrates. Ryazanov AG, et al. **New Biol** 1990 Oct;2(10):843–50 (64 ref.)

PHYSIOLOGY

Eukaryotic protein elongation factors. Riis B, et al. **Trends Biochem Sci** 1990 Nov;15(11):420–4 (37 ref.)

PEPTIDE FRAGMENTS

ANALYSIS

Development and application of assays for elastase-specific fibrinogen fragments. Weitz JI. **Ann N Y Acad Sci** 1991; 624:154–66 (54 ref.)

Macromolecular markers in joint disease. Heinegård D, et al. **J Rheumatol Suppl** 1991 Feb;27:27–9 (16 ref.)

BLOOD

Biochemical markers of hepatic fibrosis. Plebani M, et al. **Clin Biochem** 1991 Jun;24(3):219–39 (273 ref.)

[Significance and limitations of the radioimmunologic determination of the aminoterminal peptide of procollagen III in chronic hepatopathies] Rossi L, et al. **Ann Ital Med Int** 1988 Jul–Sep;3(3):203–7 (0 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

Usefulness of the growth hormone–releasing hormone test regardless of which fragment is used (GHRH 1–44, 1–40 or 1–29). Laron Z. **Isr J Med Sci** 1991 Jun;27(6):343–5 (31 ref.)

IMMUNOLOGY

The use of synthetic peptides in the diagnosis of HIV infections. Petrov RV, et al. **Biomed Sci** 1990 Mar; 1(3):239–44 (20 ref.)

Peptide presentation by class-I major histocompatibility complex molecules. Nikolić-Zugić J, et al. **Immunol Res** 1991;10(1):54–65 (39 ref.)

PHARMACOLOGY

Inhibition of phospholipase A2 by uteroglobin and antiflammin peptides. Miele L, et al. **Adv Exp Med Biol** 1990;279:137–60 (88 ref.)

Cisplatin chemoprotection and rescue: pharmacologic modulation of toxicity. Gandara DR, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):49–55 (32 ref.)

PHYSIOLOGY

Glucagon-like peptide-1(7-36) amide is a new incretin/enterogastrone candidate. Göke R, et al. **Eur J Clin Invest** 1991 Apr;21(2):135–44 (84 ref.)

[Urodilatin. The clinical importance of the renal natriuretic peptide] Kentsch M, et al. **Dtsch Med Wochenschr** 1991 Sep 13;116(37):1405–11 (46 ref.) **(Ger)**

[The role of fibronectin and possible participation of its proteolytic fragments in the changes in cell behavior] Zlatopol'skiĭ AD. **Vestn Akad Med Nauk SSSR** 1991; (2):36–42 (58 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Development of antigen-specific therapies for autoimmune disease. Steinman L. **Mol Biol Med** 1990 Aug;7(4):333–9 (44 ref.)

PEPTIDE HYDROLASE INHIBITORS see **PROTEASE INHIBITORS**

PEPTIDE HYDROLASES

The use of monoclonal antibodies and limited proteolysis in elucidation of structure–function relationships in proteins. Wilson JE. **Methods Biochem Anal** 1991;35:207–50 (200 ref.)

Tryptase from human mast cells: biochemistry, biology and clinical utility. Schwartz LB. **Monogr Allergy** 1990; 27:90–113 (66 ref.)

Glomerular injury and proteolytic enzymes. Baricos WH, et al. **Semin Nephrol** 1991 May;11(3):327–31 (56 ref.)

DIAGNOSTIC USE

[Contribution of proteolytic enzymes to the knowledge of biologic functions of fibronectin] Labat-Robert J. **Pathol Biol (Paris)** 1990 Dec;38(10):1005–9 (43 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

The structure and airway biology of mast cell proteinases. Caughey GH. **Am J Respir Cell Mol Biol** 1991 May; 4(5):387–94 (58 ref.)

METABOLISM

Cleavage of immunoglobulins by pathogenic yeasts of the genus Candida. Rüchel R. **Microbiol Sci** 1986 Oct; 3(10):316–9 (28 ref.)

Tryptase and chymase in dog mast cells. Caughey GH. **Monogr Allergy** 1990;27:67–89 (61 ref.)

Recent advances in research on tryptases and endogenous tryptase inhibitors. Katunuma N, et al. **Monogr Allergy** 1990;27:51–66 (23 ref.)

[Contribution of proteolytic enzymes to the knowledge of biologic functions of fibronectin] Labat-Robert J. **Pathol Biol (Paris)** 1990 Dec;38(10):1005–9 (43 ref.) (Eng. Abstr.) **(Fre)**

[Proteolytic enzymes and the destruction of articular cartilage in arthritis and chronic polyarthritis] Mohamed-Ali H. **Wien Med Wochenschr** 1991;141(4):77–85 (90 ref.) (Eng. Abstr.) **(Ger)**

[The role of proteases in the growth, invasion and spread of cancer cells] Buø L, et al. **Tidsskr Nor Laegeforen** 1990 Nov 30;110(29):3753–6 (19 ref.) (Eng. Abstr.) **(Nor)**

[Is local antiproteolytic failure the cause of a prolonged course in various forms of glomerulonephritis?] Kuźniar J, et al. **Wiad Lek** 1990 Jun 1;43(11):521–6 (68 ref.) (Eng. Abstr.) **(Pol)**

[Proteolytic enzymes and their inhibitors in arthritis] Rudenko VG, et al. **Revmatologiia (Mosk)** 1990 Oct–Dec; (4):42–50 (75 ref.) **(Rus)**

PHYSIOLOGY

Neutral proteases in regenerating bone. Einhorn TA, et al. **Clin Orthop** 1991 Jan;(262):286–97 (74 ref.)

Regulation of plasminogen activator production by endothelial cells: role in fibrinolysis and local proteolysis. van Hinsbergh VW, et al. **Int J Radiat Biol** 1991 Jul–Aug; 60(1–2):261–72 (83 ref.)

Tryptase, a mediator of human mast cells. Schwartz LB. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 2):594–8 (26 ref.)

Proteolysis in neuropeptide processing. Wiśniewski K, et al. **Pol J Pharmacol Pharm** 1990 Nov–Dec;42(6):547–51 (35 ref.)

[Interrelations between the enzyme system and the action of neuropeptides] Lipkowski AW, et al. **Acta Physiol Pol** 1989;40 Suppl 34:29–43 (73 ref.) **(Pol)**

PEPTIDE INITIATION FACTORS

GENETICS

In-vivo and in-vitro evidence supporting co-regulation of translation in sea-urchin eggs by polypeptide initiation factors, pH optimization, and mRNAs. Hille MB, et al. **J Reprod Fertil Suppl** 1990;42:235–48 (81 ref.)

METABOLISM

Measures and countermeasures in the modulation of initiation factor activities by viruses. Sonenberg N. **New Biol** 1990 May;2(5):402–9 (66 ref.)

PEPTIDE MAPPING

see related
PEPTIDE FRAGMENTS

METHODS

Molecular technology: peptide epitope mapping and the pin technology. Geysen HM. **Southeast Asian J Trop Med Public Health** 1990 Dec; 21(4):523–33 (31 ref.)

PEPTIDE PEPTIDOHYDROLASE INHIBITORS see **PROTEASE INHIBITORS**

PEPTIDE PEPTIDOHYDROLASES

ADMINISTRATION & DOSAGE

[Enzyme therapy in the early stage of chronic pancreatitis?] Layer P. **Z Gastroenterol Verh** 1991 Mar;26:69–71 (19 ref.) **(Ger)**

ANALYSIS

Inflammatory indices for chronic bronchitis and COAD. Proteases and antiproteases. Stockley RA, et al. **Agents Actions Suppl** 1990;30:229–41 (17 ref.)

[Clinical and prognostic significance of tumor-associated proteases in gynecologic oncology] Graeff H, et al. **Geburtshilfe Frauenheilkd** 1991 Feb;51(2):90–9 (56 ref.) (Eng. Abstr.) **(Ger)**

BLOOD

Proteases in malaria-infected red blood cells. Schrével J, et al. **Blood Cells** 1990;16(2–3):563–84; discussion 585–90 (113

ref.)
[Proteinases, protease inhibitors and antirheumatic therapy] Rudenko VG, et al. **Revmatologiia (Mosk)** 1990 Jul–Sep; (3):32–8 (69 ref.) **(Rus)**

CHEMISTRY

[Structure and properties of the complement system proteinases] Galebskaia LV, et al. **Ukr Biokhim Zh** 1990 Nov–Dec;62(6):3–15 (85 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Genetics of the proteolytic system of lactic acid bacteria. Kok J. **FEMS Microbiol Rev** 1990 Sep;7(1–2):15–42 (158 ref.)

ISOLATION & PURIFICATION

[Endothelial cell proteases and their modulation by platelets] Menashi S, et al. **Pathol Biol (Paris)** 1990 Dec;38(10):1015–9 (33 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Protein oxidation and proteolytic degradation. General aspects and relationship to cataract formation. Davies KJ. **Adv Exp Med Biol** 1990;264:503–11 (81 ref.)
Ectopeptidases of alveolar epithelium: candidates for roles in alveolar regulatory mechanisms. Funkhouser JD, et al. **Am J Physiol** 1991 Jun;260(6 Pt 1):L381–5 (44 ref.)
Structure and function of retroviral proteases. Fitzgerald PM, et al. **Annu Rev Biophys Biophys Chem** 1991;20:299–320 (113 ref.)
Covalent modification reactions are marking steps in protein turnover. Stadtman ER. **Biochemistry** 1990 Jul 10; 29(27):6323–31 (36 ref.)
Proteases and their inhibitors: today and tomorrow. Scharpe S, et al. **Biochimie** 1991 Jan;73(1):121–6 (40 ref.)
The role of cellular proteases and their inhibitors in invasion and metastasis. Introductionary overview. Liotta L. **Cancer Metastasis Rev** 1990 Dec;9(4):285–7 (16 ref.)
Proteolytic balance and capillary morphogenesis. Pepper MS, et al. **Cell Differ Dev** 1990 Dec 2;32(3):319–27 (30 ref.)
Protease-activated protein kinase C in rat liver. Hashimoto E, et al. **Int J Biochem** 1991;23(5–6):507–12 (70 ref.)
Three proteolytic systems in the yeast saccharomyces cerevisiae. Jones EW. **J Biol Chem** 1991 May 5; 266(13):7963–6 (86 ref.)
Role of proteolysis in lenses: a review. David LL, et al. **Lens Eye Toxic Res** 1989;6(4):725–47 (61 ref.)
Cellular control in the eukaryotic cell through action of proteinases: the yeast Saccharomyces cerevisiae as a model organism. Wolf DH. **Microbiol Sci** 1986 Apr;3(4):107–11, 114 (40 ref.)
Neutral proteases as indicators of human mast cell heterogeneity. Irani AM, et al. **Monogr Allergy** 1990; 27:146–62 (51 ref.)
Neutral proteases of mouse mast cells. Serafin WE, et al. **Monogr Allergy** 1990;27:31–50 (49 ref.)
A selective pathway for degradation of cytosolic proteins by lysosomes. Dice JF, et al. **Semin Cell Biol** 1990 Dec; 1(6):449–55 (35 ref.)
PEST sequences are signals for rapid intracellular proteolysis. Rechsteiner M. **Semin Cell Biol** 1990 Dec;1(6):433–40 (53 ref.)
[Proteases and tumor invasion] Burtin P, et al. **Pathol Biol (Paris)** 1990 Dec;38(10):1034–8 (28 ref.) (Eng. Abstr.) **(Fre)**
[Mechanism of action of proteinases of Pseudomonas aeruginosa] Saulnier J, et al. **Pathol Biol (Paris)** 1990 Dec; 38(10):968–74 (39 ref.) (Eng. Abstr.) **(Fre)**
[Hemostasis, fibrinolysis, proteolysis: interaction with inflammatory reactions] Römisch J, et al. **Behring Inst Mitt** 1990 Oct;(86):129–45 (64 ref.) (Eng. Abstr.) **(Ger)**
[Pathogenesis induced by bacterial proteinases—versatile pathological mechanisms at molecular level] Maeda H. **Seikagaku** 1991 Jan;63(1):14–21 (39 ref.) **(Jpn)**

PHYSIOLOGY

Neuropeptide signalling and cell-surface peptidases. Turner AJ. **Adv Second Messenger Phosphoprotein Res** 1990; 24:467–71 (23 ref.)
The role of proteinases in cartilage destruction. Evans CH. **Agents Actions Suppl** 1991;32:135–52 (41 ref.)
Role of enzyme receptors and inhibitors in regulating proteolytic activities of macrophages. Chapman HA Jr. **Ann N Y Acad Sci** 1991;624:87–96 (58 ref.)
Protease mechanisms in the pathogenesis of acute lung injury. Petty TL. **Ann N Y Acad Sci** 1991;624:267–77 (57 ref.)
Protease injury in airways disease. Rennard SI, et al. **Ann N Y Acad Sci** 1991;624:278–85 (69 ref.)
Proteinases in chronic lung infection. Stockley RA, et al. **Ann N Y Acad Sci** 1991;624:257–66 (49 ref.)
Proteases in the schistosome life cycle: a paradigm for tumour metastasis. Doenhoff MJ, et al. **Cancer Metastasis Rev** 1990 Dec;9(4):381–92 (77 ref.)
Mechanisms of trophoblast invasiveness and their control: the role of proteases and protease inhibitors. Lala PK, et al. **Cancer Metastasis Rev** 1990 Dec;9(4):369–79 (47 ref.)
Natural substrates of the ubiquitin proteolytic pathway. Rechsteiner M. **Cell** 1991 Aug 23;66(4):615–8 (28 ref.)
Proteinase-mediated cartilage degradation in osteoarthritis. Dean DD. **Semin Arthritis Rheum** 1991 Jun;20(6 Suppl 2):2–11 (86 ref.)
The ubiquitin-mediated proteolytic pathway: enzymology and mechanisms of recognition of the proteolytic substrates. Ciechanover A, et al. **Semin Cell Biol** 1990 Dec; 1(6):415–22 (48 ref.)
ATP-dependent proteases in prokaryotic and eukaryotic cells. Goldberg AL. **Semin Cell Biol** 1990 Dec;1(6):423–32 (67 ref.)

SECRETION

Proteinases secreted by human mononuclear phagocytes. Shapiro SD, et al. **J Rheumatol Suppl** 1991 Feb;27:95–8 (15 ref.)

THERAPEUTIC USE

[Clinical and pharmacological aspects of pancreatic enzyme substitution therapy] Löser C, et al. **Leber Magen Darm** 1991 Mar;21(2):56, 59–62, 65 (39 ref.) (Eng. Abstr.) **(Ger)**

PEPTIDE SYNTHETASES

GENETICS

Evolution of isopenicillin N synthase genes may have involved horizontal gene transfer. Landan G, et al. **Mol Biol Evol** 1990 Sep;7(5):399–406 (20 ref.)

PEPTIDE T

PHYSIOLOGY

AIDS as a neuropeptide disorder: peptide T, VIP, and the HIV receptor. Pert CB, et al. **Psychopharmacol Bull** 1988; 24(3):315–9 (28 ref.)

PEPTIDE TERMINATION FACTORS

GENETICS

Recent advances in peptide chain termination. Craigen WJ, et al. **Mol Microbiol** 1990 Jun;4(6):861–5 (48 ref.)

PEPTIDES

Immunomodulating peptides of natural and synthetic origin. St Georgiev V. **Med Res Rev** 1991 Jan;11(1):81–119 (338 ref.)
The biophysics of peptide models of ion channels. Sansom MS. **Prog Biophys Mol Biol** 1991;55(3):139–235 (299 ref.)

ADMINISTRATION & DOSAGE

Systemic delivery of polypeptide drugs through ocular route. Chiou GC. **Annu Rev Pharmacol Toxicol** 1991;31:457–67 (36 ref.)
Absorption of peptides and proteins from the respiratory tract and the potential for development of locally administered vaccine. O'Hagan DT, et al. **Crit Rev Ther Drug Carrier Syst** 1990;7(1):35–97 (421 ref.)
Intranasal administration of peptide hormones: factors affecting transmucosal absorption. Pontiroli AE, et al. **Diabetic Med** 1990 Nov;7(9):770–4 (36 ref.)
Biocompatible controlled release polymers for delivery of polypeptides and growth factors. Langer R, et al. **J Cell Biochem** 1991 Apr;45(4):340–5 (26 ref.)
Percutaneous delivery of proteins and peptides using iontophoretic techniques. Parasrampuria D, et al. **J Clin Pharm Ther** 1991 Feb;16(1):7–17 (52 ref.)
Overcoming barriers to the oral administration of peptide drugs. Davis SS. **Trends Pharmacol Sci** 1990 Sep; 11(9):353–5 (21 ref.)

ANALYSIS

The structure of human intestinal apomucins. Kim YS, et al. **Am Rev Respir Dis** 1991 Sep;144(3 Pt 2):S10–4 (14 ref.)
Detection of peptide–MHC class II complexes on the surface of intact cells. Busch R, et al. **J Immunol Methods** 1990 Nov 6;134(1):1–22 (62 ref.)
Analytical challenges to the pharmaceutical industry in developing products of biotechnology. Dicken CM, et al. **J Pharm Biomed Anal** 1989;7(9):1071–6 (25 ref.)
Micropreparative high-performance liquid chromatography of proteins and peptides. Nice EC, et al. **J Pharm Biomed Anal** 1989;7(9):1039–53 (48 ref.)

BIOSYNTHESIS

The expression of peptide hormones in normal cells and tumour cells. Rehfeld JF, et al. **Acta Oncol** 1991; 30(4):429–33 (30 ref.)

BLOOD

Antimicrobial polypeptides of human neutrophils. Lehrer RI, et al. **Blood** 1990 Dec 1;76(11):2169–81 (239 ref.)
[A low-molecular polypeptide of the blood serum in warm-blooded animals: its effect on cell adhesion and proliferation] Iamskova VP, et al. **Zh Obshch Biol** 1991 Mar–Apr;52(2):181–91 (39 ref.) (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Recent advances in solid-phase peptide synthesis and preparation of antibodies to synthetic peptides. Plaue S, et al. **Biologicals** 1990 Jul;18(3):147–57 (129 ref.)
[Studies on total syntheses of cytotoxic cyclic peptides of marine origin] Hamada Y. **Yakugaku Zasshi** 1991 Jan; 111(1):1–18 (55 ref.) (Eng. Abstr.) **(Jpn)**

CHEMISTRY

Monolayers and planar or curved bilayers. Gabrielli G. **Adv Colloid Interface Sci** 1991 Jan;34:31–72 (76 ref.)
Defining solution conformations of small linear peptides. Dyson HJ, et al. **Annu Rev Biophys Biophys Chem** 1991; 20:519–38 (141 ref.)
Computer-aided conformational analysis based on NOESY signal intensities. Andersen NH, et al. **Basic Life Sci** 1990; 56:95–134 (34 ref.)
Polymorphic phospholipid phase transitions as tools to understand peptide–lipid interactions. Tournois H, et al. **Chem Phys Lipids** 1991 Mar;57(2–3):327–40 (104 ref.)
Recent developments in the chemistry of gastrointestinal peptides. Mutt V. **Eur J Clin Invest** 1990 Oct;20 Suppl 1:S2–9 (157 ref.)
Bacterial lipids containing amino acids or peptides linked by amide bonds. Asselineau J. **Fortschr Chem Org Naturst** 1991;56:1–85 (223 ref.)
Peptides and proteins: overview and strategy. Biemann K. **Methods Enzymol** 1990;193:351–60 (28 ref.)
Bactericidal cationic peptides involved in bacterial antagonism and host defence. Sahl HG. **Microbiol Sci** 1985 Jul;2(7):212–7 (40 ref.)
Characteristics of fatty acid–binding proteins and their relation to mammary-derived growth inhibitor. Spener F, et al. **Mol Cell Biochem** 1990 Oct 15–Nov 8;98(1–2):57–68 (38 ref.)
Interactions between proteins, peptides and amino acids. New advances 1986–1989. Cserháti T, et al. **Nahrung** 1990; 34(9):803–10 (89 ref.)
Developments in techniques for radioiodination of peptide hormones and other proteins. Karonen SL. **Scand J Clin Lab Invest Suppl** 1990;201:135–8 (22 ref.)
Cytolytic pore-forming proteins and peptides: is there a common structural motif? Ojcius DM, et al. **Trends Biochem Sci** 1991 Jun;16(6):225–9 (30 ref.)
Biochemistry of the erythrocyte Rh polypeptides: a review. Agre P, et al. **Yale J Biol Med** 1990 Sep–Oct;63(5):461–7 (35 ref.)
[Polypeptides of African swine fever virus] Kolontsov AA. **Mol Gen Mikrobiol Virusol** 1990 Jun;(6):3–7 (35 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Cell-type–specific transcription in yeast. Dolan JW, et al. **Biochim Biophys Acta** 1991 Feb 16;1088(2):155–69 (128 ref.)
Structure and function of the pS2 gene and estrogen receptor in human breast cancer cells. Stack G, et al. **Cancer Treat Res** 1988;40:185–206 (62 ref.)
Malaria and Leishmania parasites share the knob-associated histidine-rich protein gene sequences. Sharma YD. **Comp Biochem Physiol [B]** 1991;98(4):433–5 (10 ref.)
Secretion of mammalian polypeptides from yeast. Carter BL, et al. **Microbiol Sci** 1986 Jan;3(1):23–7 (36 ref.)
Molecular structure and transcriptional regulation of the salivary gland proline-rich protein multigene families. Carlson DM, et al. **Prog Nucleic Acid Res Mol Biol** 1991; 41:1–22 (56 ref.)
Recognition of nascent polypeptides for targeting and folding. Landry SJ, et al. **Trends Biochem Sci** 1991 Apr; 16(4):159–63 (39 ref.)

IMMUNOLOGY

Recent advances in solid-phase peptide synthesis and preparation of antibodies to synthetic peptides. Plaue S, et al. **Biologicals** 1990 Jul;18(3):147–57 (129 ref.)
Interactions between immunogenic peptides and HLA–DR molecules. Rothbard JB, et al. **Immunol Res** 1990; 9(3):178–89 (26 ref.)
The presentation of self–peptides: tolerance and competition. Benichou G, et al. **Int Rev Immunol** 1990;6(1):75–88 (52 ref.)
Peptide–MHC interaction: a rational approach to vaccine design. Romagnoli P, et al. **Int Rev Immunol** 1990; 6(1):61–73 (28 ref.)
Immunosuppressive actions of retroviruses. Good RA, et al. **Lymphology** 1990 Jun;23(2):56–9 (28 ref.)
Possible applications of insect antibacterial peptides. Casteels P. **Res Immunol** 1990 Nov–Dec;141(9):940–2 (23 ref.)
Expression and secretion of insect immune peptides in yeast. Reichhart JM, et al. **Res Immunol** 1990 Nov–Dec; 141(9):943–6 (9 ref.)
Peptide vaccines for viral diseases. Francis MJ. **Sci Prog** 1990; 74(293 Pt 1):115–30 (42 ref.)

ISOLATION & PURIFICATION

High-resolution electrophoretic purification and structural microanalysis of peptides and proteins. Lillehoj EP, et al. **Adv Appl Microbiol** 1991;36:279–338 (107 ref.)
Recent advances in capillary electrophoresis of proteins, peptides and amino acids. Novotny MV, et al. **Electrophoresis** 1990 Sep;11(9):735–49 (81 ref.)

METABOLISM

Exchange of peptides between the circulation and the nervous system: role of the blood–brain barrier. Banks WA, et al. **Adv Exp Med Biol** 1990;274:59–69 (53 ref.)
Neuropeptide Y receptors: autoradiographic distribution in the brain and structure–activity relationships. Quirion R, et al. **Ann N Y Acad Sci** 1990;611:58–72 (78 ref.)
Peptide interactions with MHC class II molecules. Adorini L. **Br J Rheumatol** 1991;30 Suppl 2:10–3 (12 ref.)
How do polypeptides cross the mitochondrial membranes? Neupert W, et al. **Cell** 1990 Nov 2;63(3):447–50 (24 ref.)
Interaction of phospholipids with proteins, peptides and amino acids. New advances 1987–1989. Cserháti T, et al. **Int J Biochem** 1991;23(2):131–45 (218 ref.)
Experimental strategies to explore the molecular details of MHC–peptide complexes. Rothbard JB, et al. **Int Rev Immunol** 1990;6(1):1–21 (16 ref.)
Intestinal absorption of protein hydrolysis products: a review. Webb KE Jr. **J Anim Sci** 1990 Sep;68(9):3011–22 (135 ref.)
Current views on chloroplast protein import and hypotheses on the origin of the transport mechanism. Archer EK, et al. **J Bioenerg Biomembr** 1990 Dec;22(6):789–810 (89 ref.)
On the translocation of proteins across the chloroplast envelope. Flügge UI. **J Bioenerg Biomembr** 1990 Dec; 22(6):769–87 (73 ref.)
New principle in QSAR: membrane requirements. Schwyzer R. **J Recept Res** 1991;11(1–4):45–57 (38 ref.)
Sexual differentiation and interactions in yeasts. Yanagishima N. **Microbiol Sci** 1986 Feb;3(2):45–9 (28 ref.)
Bioactive peptide analogs: in vivo and in vitro production. Kleinkauf H, et al. **Prog Drug Res** 1990;34:287–317 (107 ref.)
Peptide amidation. Bradbury AF, et al. **Trends Biochem Sci** 1991 Mar;16(3):112–5 (45 ref.)

PHARMACOLOGY

Inhibition of antigen presentation in vitro and in vivo by MHC antagonist peptides. Lamont AG, et al. **Int Rev Immunol** 1990;6(1):49–59 (26 ref.)
Mast cell degranulating peptide: a multi-functional neurotoxin. Ziai MR, et al. **J Pharm Pharmacol** 1990 Jul; 42(7):457–61 (39 ref.)
Immunomodulatory activity of small peptides. St Georgiev V. **Trends Pharmacol Sci** 1990 Sep;11(9):373–8 (38 ref.)
[Prospects of bioregulating therapy] Iakovlev GM, et al. **Klin Med (Mosk)** 1991 May;69(5):19–23 (26 ref.) **(Rus)**

PHYSIOLOGY

Peptides: chemistry, biology, and pharmacology. Judd AK, et al. **Adv Pharmacol** 1990;21:221–85 (390 ref.)
Can regulatory peptides be regarded as words of a biological language. Mayer EA, et al. **Am J Physiol** 1991 Aug;261(2 Pt 1):G171–84 (89 ref.)
Polypeptide growth factors and angiogenesis. Tomasi V, et al. **Biofactors** 1990 Oct;2(4):213–7 (39 ref.)
A novel biochemical model linking dysfunctions in brain melatonin, proopiomelanocortin peptides, and serotonin in autism. Chamberlain RS, et al. **Biol Psychiatry** 1990 Nov 1;28(9):773–93 (150 ref.)
Cytokines and human malignant melanoma. Immuno- and growth-regulatory peptides in melanoma biology. Köck A, et al. **Cancer Treat Res** 1991;54:41–66 (172 ref.)
Glucagon-like peptide-1(7–36) amide is a new incretin/enterogastrone candidate. Göke R, et al. **Eur J Clin Invest** 1991 Apr;21(2):135–44 (84 ref.)
Perspectives in the research of gut regulatory peptides. Rehfeld JF. **Eur J Clin Invest** 1990 Oct;20 Suppl 1:S91–3 (16 ref.)
Role of galanin in the gut. Rattan S. **Gastroenterology** 1991 Jun;100(6):1762–8 (69 ref.)
The role of peptides in the regulation of the micturition reflex: an update. Maggi CA. **Gen Pharmacol** 1991; 22(1):1–24 (255 ref.)
Pickles, peptide hormones and pregnancy: a hypothesis. Hill P. **Med Hypotheses** 1990 Aug;32(4):255–9 (54 ref.)
Polypeptide growth factors in mammalian development: some issues for neurotoxicology and behavioral teratology. Alleva E, et al. **Neurotoxicology** 1990 Summer; 11(2):293–303 (50 ref.)
Polypeptide growth factors and the kidney: a developmental perspective. Avner ED. **Pediatr Nephrol** 1990 Jul; 4(4):345–53 (131 ref.)
Functional aspects of acetylcholine–galanin coexistence in the brain. Consolo S, et al. **Prog Brain Res** 1990;84:279–87 (42 ref.)
Gastrin-releasing peptide (GRP, mammalian bombesin) in the pathogenesis of lung cancer. Viallet J, et al. **Prog Growth Factor Res** 1989;1(2):89–97 (50 ref.)
Peptide regulation of mast-cell function. Cochrane DE. **Prog Med Chem** 1990;27:143–88 (214 ref.)
Peptide YY, a new gut hormone (a mini-review). Hill FL, et al. **Steroids** 1991 Feb;56(2):77–82 (35 ref.)
Activity-dependent modulation of nerve terminal excitation in a mammalian peptidergic system. Bourque CW. **Trends Neurosci** 1991 Jan;14(1):28–30 (21 ref.)
[A new member in neuropeptides: galanin] Fu XW. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul;21(3):231–4 (45 ref.) **(Chi)**
[Studies by molecular and developmental biotechnology of biologically active peptides involved in blood pressure control and neurotransmission] Nakanishi S. **Jikken Dobutsu** 1991 Jan;40(1):1–6 (19 ref.) **(Jpn)**
[Progress in the field of peptide hormones through the eyes of an internist] Gibiński K. **Pol Tyg Lek** 1990 Feb 19–26; 45(8–9):151–5 (21 ref.) **(Pol)**
[Biologically active polypeptides in the respiratory system] Mosiewicz J, et al. **Pol Tyg Lek** 1990 Jul 16–30; 45(29–31):634–6 (36 ref.) **(Pol)**

SECRETION

Biologically active peptides in the gastrointestinal lumen. Rao RK. **Life Sci** 1991;48(18):1685–704 (153 ref.)

PEPTIDES, CYCLIC

PHARMACOLOGY

Omega-conotoxin-sensitive voltage-operated calcium channels in vertebrate cells. Sher E, et al. **Neuroscience** 1991;42(2):301–7 (81 ref.)

PEPTIDOGLYCAN

BIOSYNTHESIS

Cell division and peptidoglycan assembly in Escherichia coli. Nanninga N. **Mol Microbiol** 1991 Apr;5(4):791–5 (48 ref.)

METABOLISM

Penicillin-binding proteins and peptidoglycan peptide-interacting proteins. Rodriguez-Tébar A, et al. **Microbiol Sci** 1984 Dec;1(9):211–4 (16 ref.)

PEPTOSTREPTOCOCCUS

Suppurative oral candidosis. Review of the literature and report of a case. McManners J, et al. **Int J Oral Maxillofac Surg** 1990 Oct;19(5):257–9 (15 ref.)

PERCA see **PERCH**

PERCEPTION

see related
SENSATION

Perception. Banks WP, et al. **Annu Rev Psychol** 1991; 42:305–31 (135 ref.)
Dynamic organization of intersensory function. Turkewitz G, et al. **Can J Psychol** 1989 Jun;43(2):286–301 (60 ref.)
Unconscious perception. Possible implications of data from academic research for clinical practice. Dixon NF, et al. **J Nerv Ment Dis** 1991 May;179(5):243–52 (113 ref.)
Beyond attentional strategies: cognitive–perceptual model of somatic interpretation. Cioffi D. **Psychol Bull** 1991 Jan; 109(1):25–41 (180 ref.)
Stratification in perception and action. de Jong HL, et al. **Psychol Res** 1990;52(2–3):216–28 (90 ref.)
Direct parameter specification and the concept of perception. Neumann O. **Psychol Res** 1990;52(2–3):207–15 (52 ref.)
Perceptual-learning systems as conservative structures: is economy an attractor? van Leeuwen C. **Psychol Res** 1990; 52(2–3):145–52 (28 ref.)

PHYSIOLOGY

An informational approach to sensory adaptation. Norwich KH, et al. **J Comp Physiol [A]** 1991 Feb;168(2):151–7 (21 ref.)
Intracortical processes regulating the integration of sensory information. Ebner FF, et al. **Prog Brain Res** 1990; 86:129–41 (46 ref.)
[Human brain reflexes: from stimulus to recognition and from decision to action] Ivanitskiĭ AM. **Zh Vyssh Nerv Deiat** 1990 Sep–Oct;40(5):835–41 (14 ref.) (Eng. Abstr.) **(Rus)**

PERCEPTION, SOCIAL see **SOCIAL PERCEPTION**

PERCEPTUAL DISORDERS

PHYSIOPATHOLOGY

Cerebral akinetopsia (visual motion blindness). A review. Zeki S. **Brain** 1991 Apr;114 (Pt 2):811–24 (68 ref.)

PERCEPTUAL DISTORTION

see related
PERCEPTUAL DISORDERS

How and what do autistic children see? Emotional, perceptive and social peculiarities reflected in more recent examinations of the visual perception and the process of observation in autistic children. Dalferth M. **Acta Paedopsychiatr** 1989;52(2):121–33 (75 ref.)

PERCEPTUAL MOTOR PERFORMANCE see **PSYCHOMOTOR PERFORMANCE**

PERCH

GENETICS

Evolutionary innovation in behavior and speciation: opportunities for behavioral neuroethology. Hoy RR. **Brain Behav Evol** 1990;36(2–3):141–53 (55 ref.)

PERCUSSION

METHODS

The art and science of percussion. Parrino TA. **Hosp Pract (Off Ed)** 1987 Sep 30;22(9A):25–8, 32–6 (15 ref.)

PERCUTANEOUS ADMINISTRATION see **ADMINISTRATION, CUTANEOUS**

PERCUTANEOUS ELECTRIC NERVE STIMULATION see **TRANSCUTANEOUS ELECTRIC NERVE STIMULATION**

PERCUTANEOUS NEPHROSTOMY see **NEPHROSTOMY, PERCUTANEOUS**

PERCUTANEOUS TRANSLUMINAL ANGIOPLASTY see **ANGIOPLASTY, TRANSLUMINAL**

PERCUTANEOUS TRANSLUMINAL CORONARY ANGIOPLASTY see **ANGIOPLASTY, TRANSLUMINAL, PERCUTANEOUS CORONARY**

PERCUTANEOUS TRANSLUMINAL LASER ANGIOPLASTY see **ANGIOPLASTY, LASER**

PERCUTANEOUS ULTRASONIC LITHOTRIPSY see **LITHOTRIPSY**

PERFLUOROCARBONS see **FLUOROCARBONS**

PERFUME

ADMINISTRATION & DOSAGE

The human skin: fragrances and pheromones. Berliner DL, et al. **J Steroid Biochem Mol Biol** 1991 Oct;39(4B):671–9 (23 ref.)

PERFUSION

Magnetic resonance imaging of diffusion and perfusion. Moseley ME, et al. **Top Magn Reson Imaging** 1991 Jun; 3(3):50–67 (74 ref.)

ADVERSE EFFECTS

Gut mucosal ischemia during cardiac surgery. Fiddian-Green RG. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):389–99 (70 ref.)

METHODS

The isolated perfused heart according to Langendorff technique--function--application. Döring HJ. **Physiol Bohemoslov** 1990;39(6):481–504 (150 ref.)

PERFUSION, PULSATILE see **PULSATILE FLOW**

PERFUSION PUMPS see **INFUSION PUMPS**

PERFUSION PUMPS, IMPLANTABLE see **INFUSION PUMPS, IMPLANTABLE**

PERFUSION, REGIONAL

[The locoregional chemotherapeutic treatment of neoplasms] Lerza R, et al. **Recenti Prog Med** 1991 Feb;82(2):115–20 (46 ref.) (Eng. Abstr.) **(Ita)**

METHODS

[Hyperthermic-antiblastic isolation perfusion for advanced melanoma of the limbs. The technic, immediate results and a review of the literature] Decian F, et al. **Minerva Chir** 1990 Oct 15;45(19):1227–37 (50 ref.) (Eng. Abstr.) **(Ita)**

PERGOLIDE

PHARMACOLOGY

Pergolide: a dopamine agonist at both D1 and D2 receptors. Fuller RW, et al. **Life Sci** 1991;49(13):925–30 (44 ref.)

THERAPEUTIC USE

Pergolide in the treatment of Parkinson's disease. Robin DW. **Am J Med Sci** 1991 Apr;301(4):277–80 (24 ref.)

PERGOLIDE MESYLATE see **PERGOLIDE**

PERIADENITIS see **STOMATITIS, APHTHOUS**

PERIANEURYSMAL FIBROSIS, INFLAMMATORY see **RETROPERITONEAL FIBROSIS**

PERIAORTITIS, CHRONIC see **RETROPERITONEAL FIBROSIS**

PERIAPICAL CYST see **RADICULAR CYST**

PERIAPICAL PERIODONTITIS

CLASSIFICATION

Perspectives, controversies and directives on pulpal–periodontal relationships. Belk CE, et al. **J Can Dent Assoc** 1990 Nov;56(11):1013–7 (42 ref.)

PATHOLOGY

The endo–perio problem in dental practice: diagnosis and prognosis. Christie WH, et al. **J Can Dent Assoc** 1990 Nov; 56(11):1005–11 (42 ref.)

RADIOGRAPHY

Radiographic evaluation of apical periodontitis and endodontic treatment results: a computer approach. Orstavik D. **Int Dent J** 1991 Apr;41(2):89–98 (43 ref.)

PERIAPICAL TISSUE

RADIOGRAPHY

Radiographic evaluation of apical periodontitis and endodontic treatment results: a computer approach. Orstavik D. **Int Dent J** 1991 Apr;41(2):89–98 (43 ref.)

PERIAQUEDUCTAL GRAY

PHYSIOLOGY

Integration of somatic and autonomic reactions within the midbrain periaqueductal grey: viscerotopic, somatotopic and functional organization. Bandler R, et al. **Prog Brain Res** 1991;87:269–305 (112 ref.)

PERIARTERITIS NODOSA

Cutaneous periarteritis nodosa. Goodless DR, et al. **Int J Dermatol** 1990 Nov;29(9):611–5 (47 ref.)

COMPLICATIONS

Polyarteritis nodosa presenting as a biliary stricture. Barquist ES, et al. **Surgery** 1991 Jan;109(1):16–9 (24 ref.)

Central nervous system polyarteritis nodosa. Rosenberg MR, et al. **West J Med** 1990 Nov;153(5):553–6 (37 ref.)

[Periarteritis nodosa with heart valve disease disclosed by occlusion of the central artery of the retina] Laraki R, et al. **Rev Med Interne** 1989 Nov–Dec;10(6):570–4 (33 ref.) (Eng. Abstr.) **(Fre)**

[Glomerulonephritis and hepatitis B virus infection] Klingel R, et al. **Dtsch Med Wochenschr** 1990 Nov 23; 115(47):1803–8 (50 ref.) **(Ger)**

[7 cases of polyarteritis nodosa] Tóth C, et al. **Orv Hetil** 1990 Sep 30;131(39):2135–8 (34 ref.) (Eng. Abstr.) **(Hun)**

[Renal vasculitis: review of the literature and description of a clinical case] Cramarossa L, et al. **Ann Ital Med Int** 1988 Jul–Sep;3(3):220–4 (14 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Polyarteritis nodosa masquerading as a primary testicular neoplasm: a case report and review of the literature. Huisman TK, et al. **J Urol** 1990 Nov;144(5):1236–8 (13 ref.)

[Current developments in the diagnosis and treatment of periarteritis nodosa] Georgescu M. **Rev Med Interna [Med Interna]** 1990 Mar–Apr;42(2):133–44 (21 ref.) **(Rum)**

ETIOLOGY

[Periarteritis nodosa–type vasculitis and infection with human immunodeficiency virus] Conri C, et al. **Rev Med Interne** 1991 Jan–Feb;12(1):47–51 (27 ref.) (Eng. Abstr.) **(Fre)**

[Risk factors in systemic vasculitis] Shilkina NP, et al. **Klin Med (Mosk)** 1990 Jul;68(7):20–5 (62 ref.) **(Rus)**

MICROBIOLOGY

The role of the streptococcus in poststreptococcal reactive arthritis and childhood polyarteritis nodosa. Fink CW. **J Rheumatol Suppl** 1991 Apr;29:14–20 (27 ref.)

PATHOLOGY

Localized necrotizing arteritis. A report of two cases involving the gallbladder and pancreas. Ito M, et al. **Arch Pathol Lab Med** 1991 Aug;115(8):780–3 (33 ref.)

Polyarteritis nodosa, Churg–Strauss syndrome, and other eosinophilic syndromes. Alarcón-Segovia D. **Curr Opin Rheumatol** 1990 Feb;2(1):50–4 (20 ref.)

Churg–Strauss syndrome and polyarteritis nodosa. Lightfoot RW Jr. **Curr Opin Rheumatol** 1991 Feb;3(1):3–7 (15 ref.)

THERAPY

Treatment and monitoring of systemic vasculitis. D'Amico G, et al. **Nephrol Dial Transplant** 1990;5 Suppl 1:53–7 (38 ref.)

PERIARTHRITIS

[Humero–scapular periarthrosis] Baslund B, et al. **Ugeskr Laeger** 1991 Jan 14;153(3):170–3 (30 ref.) (Eng. Abstr.) **(Dan)**

ETIOLOGY

[Analysis of the collective term "periarthritis humeroscapularis"] Barnbeck F, et al. **Aktuel Traumatol** 1991 Apr;21(2):49–52 (12 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

[Surgical treatment of painful shoulders caused by lesions of the rotator cuff and biceps, treatment as a function of lesions. Reflections on the Neer's concept] Walch G, et al. **Rev Rhum Mal Osteoartic** 1991 Apr;58(4):247–57 (37 ref.) (Eng. Abstr.) **(Fre)**

PERICARDIAL CYST see **MEDIASTINAL CYST**

PERICARDIAL EFFUSION

see related
CARDIAC TAMPONADE

DIAGNOSIS

Imaging the pericardium. Hoit BD. **Cardiol Clin** 1990 Nov; 8(4):587–600 (49 ref.)

[Pericardial effusions as the initial manifestation of extracardiac tumors. A discussion of 2 cases and a review of the literature] Mammarella A, et al. **Clin Ter** 1990 Oct 15;135(1):23–30 (36 ref.) (Eng. Abstr.) **(Ita)**

[Computerized tomography and magnetic resonance in the study of the pericardium] Di Guglielmo L, et al. **Radiol Med (Torino)** 1990 Jul–Aug;80(1–2):140–52 (16 ref.) **(Ita)**

[Pericardial effusion—management and diagnosis. I. Echocardiographic diagnosis] Rydlewska–Sadowska W, et al. **Kardiol Pol** 1990 Apr;33(4):271–4 (30 ref.) **(Pol)**

[Pericardial effusion—diagnosis and management. II. Pericardiocentesis] Stępińska J. **Kardiol Pol** 1990 Apr; 33(4):275–9 (1 ref.) **(Pol)**

ETIOLOGY

Malignant effusions. Olopade OI, et al. **CA** 1991 May–Jun; 41(3):166–79 (56 ref.)

[Idiopathic chylopericardium. Apropos of a new case. Review of the literature] Bendayan P, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84(1):127–30 (10 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Radiotherapy–induced emergencies in the x–ray picture] Wüstenberg H. **Radiobiol Radiother (Berl)** 1990; 31(5):419–25 (19 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Surgical management of pericardial diseases. Tuna IC, et al. **Cardiol Clin** 1990 Nov;8(4):683–96 (59 ref.)

ULTRASONOGRAPHY

[Pericardial effusion simulating a tumor. The value of Doppler color echocardiography for its differentiation] Pérez de Juan MA, et al. **Arch Inst Cardiol Mex** 1991 Jan–Feb;61(1):75–8 (18 ref.) (Eng. Abstr.) **(Spa)**

PERICARDIECTOMY

Surgical management of pericardial diseases. Tuna IC, et al. **Cardiol Clin** 1990 Nov;8(4):683–96 (59 ref.)

PERICARDIOTOMY see **PERICARDIECTOMY**

PERICARDITIS

Recurrent pericarditis. Fowler NO. **Cardiol Clin** 1990 Nov; 8(4):621–6 (28 ref.)

Acute pericarditis. Shabetai R. **Cardiol Clin** 1990 Nov; 8(4):639–44 (7 ref.)

Pericardial actinomycosis: case report and review. Fife TD, et al. **Rev Infect Dis** 1991 Jan–Feb;13(1):120–6 (46 ref.)

[Pericarditis] Gogin EE. **Kardiologiia** 1991 Feb;31(2):80–6 (21 ref.) **(Rus)**

COMPLICATIONS

Pericarditis in AIDS. Dacso CC. **Cardiol Clin** 1990 Nov; 8(4):697–9 (15 ref.)

Pericarditis in systemic diseases. Spodick DH. **Cardiol Clin** 1990 Nov;8(4):709–16 (69 ref.)

DIAGNOSIS

A systematic diagnostic approach to primary acute pericardial disease. The Barcelona experience. Soler–Soler J, et al. **Cardiol Clin** 1990 Nov;8(4):609–20 (54 ref.)

Purulent pericarditis in infancy. Gersony WM, et al. **Pediatrics** 1967 Aug;40(2):224–32 (33 ref.)

[Computerized tomography and magnetic resonance in the study of the pericardium] Di Guglielmo L, et al. **Radiol Med (Torino)** 1990 Jul–Aug;80(1–2):140–52 (16 ref.) **(Ita)**

ETIOLOGY

Pericardial involvement in acute myocardial infarction. Gregoratos G. **Cardiol Clin** 1990 Nov;8(4):601–8 (51 ref.)

Pericarditis in end–stage renal disease. Rostand SG, et al. **Cardiol Clin** 1990 Nov;8(4):701–7 (41 ref.)

[Radiation–induced pericarditis. Long–term outcome. 45 cases with thoracotomy and biopsy] Loire R, et al. **Presse Med** 1990 Dec 8;19(42):1931–6 (11 ref.) (Eng. Abstr.) **(Fre)**

[Pancreatogenic pericarditis] Lashchevker VM. **Klin Khir** 1990;(11):56–60 (60 ref.) **(Rus)**

[Medical pericarditis: study of 19 cases] Lamamie de Clairac Delgado P, et al. **An Esp Pediatr** 1991 Mar;34(3):211–4 (20 ref.) (Eng. Abstr.) **(Spa)**

[Acute pleuropericarditis and cardiac tamponade as extraintestinal complications of ulcerative colitis] González Martín T, et al. **An Med Interna** 1990 Nov;7(11):581–4 (14 ref.) (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

[Pericarditis caused by Campylobacter fetus fetus (letter)] Rojo P, et al. **Enferm Infecc Microbiol Clin** 1990 Nov; 8(9):593–5 (13 ref.) **(Spa)**

SURGERY

Surgical management of pericardial diseases. Tuna IC, et al. **Cardiol Clin** 1990 Nov;8(4):683–96 (59 ref.)

PERICARDITIS, CONSTRICTIVE

Constrictive pericarditis. Brockington GM, et al. **Cardiol Clin** 1990 Nov;8(4):645–61 (108 ref.)

DIAGNOSIS

Imaging the pericardium. Hoit BD. **Cardiol Clin** 1990 Nov; 8(4):587–600 (49 ref.)

The differentiation of restrictive cardiomyopathy from constrictive pericarditis. Schoenfeld MH. **Cardiol Clin** 1990 Nov;8(4):663–71 (65 ref.)

[Modern imaging procedures in the differential diagnosis of constrictive pericarditis] Sechtem U, et al. **Dtsch Med Wochenschr** 1991 Jun 14;116(24):945–51 (33 ref.) **(Ger)**

ETIOLOGY

[Constrictive pericarditis and Whipple's disease] Freychet L, et al. **Arch Mal Coeur** 1990 Oct;83(11):1729–32 (10 ref.) (Eng. Abstr.) **(Fre)**

PERICARDITIS, TUBERCULOUS

Tuberculous pericarditis. Fowler NO. **JAMA** 1991 Jul 3; 266(1):99–103 (41 ref.)

PERICARDIUM

Delayed presentation of intrapericardial diaphragmatic hernia, an unusual cause of colon obstruction. Beless DJ, et al. **Ann Emerg Med** 1991 Apr;20(4):415–7 (17 ref.)

Myocardial echinococcosis with perforation into the pericardium. Urbanyi B, et al. **J Cardiovasc Surg (Torino)** 1991 Jul–Aug;32(4):534–8 (23 ref.)

ANATOMY & HISTOLOGY

[Computerized tomography and magnetic resonance in the study of the pericardium] Di Guglielmo L, et al. **Radiol Med (Torino)** 1990 Jul–Aug;80(1–2):140–52 (16 ref.) **(Ita)**

DRUG EFFECTS

[Effects of radiotherapy and chemotherapy on the heart and pericardium in patients with lymphogranulomatosis] Cheban OI, et al. **Kardiologiia** 1991 Feb;31(2):75–8 (79 ref.) **(Rus)**

PHYSIOLOGY

The effects of the pericardium on function of normal and enlarged hearts. Freeman GL. **Cardiol Clin** 1990 Nov; 8(4):579–86 (30 ref.)

Ventricular diastole and the role of the pericardium. Tyberg JV, et al. **Herz** 1990 Dec;15(6):354–61 (49 ref.)

RADIATION EFFECTS

[Effects of radiotherapy and chemotherapy on the heart and pericardium in patients with lymphogranulomatosis] Cheban OI, et al. **Kardiologiia** 1991 Feb;31(2):75–8 (79 ref.) **(Rus)**

TRANSPLANTATION

[Mid–term results of heart valve replacement with 2 types of pericardial heterograft. Apropos of 208 cases] Michel PL, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):785–91 (29 ref.) (Eng. Abstr.) **(Fre)**

PERICEMENTITIS see **PERIODONTITIS**

PERICORONITIS

[Acute pericoronitis of mandibular wisdom teeth] Chen SY, et al. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1990 May; 25(3):179–80 (16 ref.) **(Chi)**

PERIDINIUM see **DINOFLAGELLIDA**

PERILENE see **PERYLENE**

PERILYMPH

Surgical management of perilymph fistulas. A new technique. Black FO, et al. **Arch Otolaryngol Head Neck Surg** 1991 Jun;117(6):641–8 (54 ref.)

Bilateral spontaneous perilymph fistulae: a diagnostic and management dilemma. Sismanis A, et al. **Otolaryngol Head Neck Surg** 1990 Sep;103(3):436–8 (13 ref.)

Perilymph fistula. Wilcox TO Jr, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1990;42:989–97 (59 ref.)

PERIMENOPAUSAL BONE LOSS see **OSTEOPOROSIS, POSTMENOPAUSAL**

PERIMETRY

Automated perimetry in glaucoma. Caprioli J. **Am J Ophthalmol** 1991 Feb 15;111(2):235–9 (27 ref.)

METHODS

Contribution of manual and computerized perimetry to the differential diagnosis of optic neuropathies. Zingirian M, et al. **Metab Pediatr Syst Ophthalmol** 1990;13(2–4):50–4 (20 ref.)

[Static microperimetry with the laser scanning ophthalmoscope] Van de Velde FJ, et al. **Ophtalmologie** 1990 May–Jun;4(3):291–4 (4 ref.) (Eng. Abstr.) **(Fre)**

PERINATAL MORTALITY see **INFANT MORTALITY**

PERINATOLOGY

see related
FETAL DISEASES
INFANT, NEWBORN, DISEASES
PREGNANCY COMPLICATIONS

[Ethical problems in perinatal medicine: thoughts of a pediatrician] Gjurić G. **Lijec Vjesn** 1990 Jul–Aug; 112(7–8):269–73 (85 ref.) (Eng. Abstr.) **(Scr)**

EDUCATION

Cocaine: a primer for providers of perinatal care. Holland JG, et al. **J Miss State Med Assoc** 1990 Sep;31(9):287–93 (10 ref.)

STANDARDS

Assessment of regionalized perinatal programs. Campbell MK. **J Dev Physiol** 1991 Feb;15(2):125–31 (36 ref.)

Outcome measures of obstetrical and perinatal care. Buekens P. **Qual Assur Health Care** 1990;2(3–4):253–62 (54 ref.)

TRENDS

[Studies of the fetal condition in present-day perinatology] Kulakov VI, et al. **Akush Ginekol (Mosk)** 1990 Aug;(8):3–5 (34 ref.) **(Rus)**

PERINEUM

Intussusception of the rectum and the solitary ulcer syndrome. Ihre T. **Ann Med** 1990 Dec;22(6):419–23 (35 ref.)

[Congenital perineal lipoma with accessory scrotum: a case report] Morita T, et al. **Hinyokika Kiyo** 1991 Jun; 37(6):647–9 (8 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Aberrant breast tissue of the perineum—a report on two cases. Park YN, et al. **Yonsei Med J** 1990 Jun;31(2):182–6 (26 ref.)

PHYSIOPATHOLOGY

[Unstable bladder and kinesitherapy. The concept of deficient unstable bladder] Penders L, et al. **J Urol (Paris)** 1990; 96(6):335–42 (24 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Gracilis myocutaneous flap for the coverage of an extensive scrotoperineal defect and protection of the ruptured urethra and testes. Lee YT, et al. **Yonsei Med J** 1990 Jun; 31(2):187–91 (19 ref.)

[Vaginal and perineal reconstruction following excision for cancer. Apropos of 4 cases] Abbes M, et al. **Ann Chir Plast Esthet** 1991;36(1):54–60 (17 ref.) (Eng. Abstr.) **(Fre)**

[The surgeon faced with ano-perineal lesions of Crohn's disease] Contou JF, et al. **Ann Gastroenterol Hepatol (Paris)** 1990 Nov;26(6):263–70 (39 ref.) **(Fre)**

PERIODIC ACID-SCHIFF REACTION

[The theory of the staining of tissue basophils with the PAS method] Lopunova ZhK. **Arkh Anat Gistol Embriol** 1991 Mar;100(3):70–3 (32 ref.) **(Rus)**

PERIODIC DISEASE

[Familial Mediterranean fever] Better OS, et al. **Dtsch Med Wochenschr** 1991 Apr 5;116(14):548–52 (9 ref.) **(Ger)**

[Familial Mediterranean fever and familial amyloidotic polyneuropathy] Araki S, et al. **Nippon Rinsho** 1991 Apr; 49(4):806–13 (20 ref.) **(Jpn)**

COMPLICATIONS

[Recurrent aseptic meningitis in periodic disease or Mollaret's meningitis?] Collard M, et al. **Rev Neurol (Paris)** 1991; 147(5):403–5 (13 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

[Periodic disease and pregnancy] Cousin C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991;20(4):554–61 (39 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

IgD immune complex vasculitis in a patient with hyperimmunoglobulinemia D and periodic fever. Boom BW, et al. **Arch Dermatol** 1990 Dec;126(12):1621–4 (23 ref.)

PHYSIOPATHOLOGY

Whipple's disease, familial Mediterranean fever, and adult-onset Still's disease. McMenemy A. **Curr Opin Rheumatol** 1990 Aug;2(4):600–4 (23 ref.)

PERIODICALS

Attitudes towards homosexuality in American health care literature 1983–1987. Schwanberg SL. **J Homosex** 1990; 19(3):117–36 (80 ref.)

[Radiologic diagnosis in 1989 (an analytic review of publications in Soviet medical journals)] Koroliuk IP. **Vestn Rentgenol Radiol** 1991 Jan–Feb;(1):61–70 (102 ref.) **(Rus)**

HISTORY

Medical Critique [Krytyka Lekarska]: a journal of medicine and philosophy–1897–1907. Löwy I. **J Med Philos** 1990 Dec;15(6):653–73 (41 ref.)

STANDARDS

Barrier-free design: a review and critique of the occupational therapy perspective. Cooper BA, et al. **Am J Occup Ther** 1991 Apr;45(4):344–50 (26 ref.)

[Current state and trends in the development of differential diagnosis of disseminated processes and spherical formations in the lungs based on scientific analysis of documented information flow] Matusevich VG, et al. **Probl Tuberk** 1991;(3):69–70 (9 ref.) **(Rus)**

[Use of various bibliometric methods in operative evaluation of research activities of the research institutions of medico-biological profile] Karas' GA, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):61–5 (13 ref.) (Eng. Abstr.) **(Rus)**

TRENDS

Ethical responsibilities in nursing: research findings and issues. Cassidy VR. **J Prof Nurs** 1991 Mar–Apr;7(2):112–8 (31 ref.)

PERIODICITY

see related
BIOLOGICAL CLOCKS
CIRCADIAN RHYTHM

Mechanoreceptor modulation of endogenous respiratory rhythms in vertebrates. Milsom WK. **Am J Physiol** 1990 Nov;259(5 Pt 2):R898–910 (102 ref.)

From temperature regulation to rhythm research. Aschoff J. **Chronobiol Int** 1990;7(3):179–86 (85 ref.)

The steroid hormone of sunlight soltriol (vitamin D) as a seasonal regulator of biological activities and photoperiodic rhythms. Stumpf WE, et al. **J Steroid Biochem Mol Biol** 1991 Aug;39(2):283–9 (63 ref.)

Melatonin: time in a bottle. Cassone VM. **Oxf Rev Reprod Biol** 1990;12:319–67 (268 ref.)

Oscillations in plant metabolism. Henson CA, et al. **Prog Clin Biol Res** 1990;341B:821–34 (53 ref.)

Paleochronobiology circadian rhythms, gauges of adaptive Darwinian evolution; about 7-day (circaseptan) rhythms, gauges of integrative internal evolution. Kaiser H, et al. **Prog Clin Biol Res** 1990;341B:755–62 (22 ref.)

Modified behavior oscillations in diseased plants and its implication to epidemiology and crop loss assessment. Kennedy BW, et al. **Prog Clin Biol Res** 1990;341B:867–81 (33 ref.)

Biological oscillations and agriculture: a brief introduction. Koukkari WL, et al. **Prog Clin Biol Res** 1990;341B:785–92 (32 ref.)

Growth rhythms in higher plants. Millet B, et al. **Prog Clin Biol Res** 1990;341B:835–51 (74 ref.)

Effects of biological and environmental factors on activity rhythms of wild animals. Tester JR, et al. **Prog Clin Biol Res** 1990;341B:809–19 (27 ref.)

Synaptic connections between medullary respiratory neurons and considerations on the genesis of respiratory rhythm. Ezure K. **Prog Neurobiol** 1990;35(6):429–50 (133 ref.)

[Kleine-Levin syndrome] Wurthmann C, et al. **Fortschr Neurol Psychiatr** 1991 May;59(5):190–4 (67 ref.) (Eng. Abstr.) **(Ger)**

[Biorhythms and age] Gubin GD, et al. **Usp Fiziol Nauk** 1991 Jan–Feb;22(1):77–96 (133 ref.) **(Rus)**

PERIODONTAL ABSCESS

MICROBIOLOGY

A microbiological and clinical review of the acute dentoalveolar abscess. Lewis MA, et al. **Br J Oral Maxillofac Surg** 1990 Dec;28(6):359–66 (86 ref.)

PATHOLOGY

Suppurative oral candidosis. Review of the literature and report of a case. McManners J, et al. **Int J Oral Maxillofac Surg** 1990 Oct;19(5):257–9 (15 ref.)

PERIODONTAL BONE LOSS see **ALVEOLAR BONE LOSS**

PERIODONTAL CYST

RADIOGRAPHY

The mandibular infected buccal cyst (paradental cyst). A radiographic and histological study. Wolf J, et al. **Br J Oral Maxillofac Surg** 1990 Oct;28(5):322–5 (12 ref.)

PERIODONTAL CYST, APICAL see **RADICULAR CYST**

PERIODONTAL DISEASES

Periodontal diseases: a review. Serio FG, et al. **Cutis** 1991 Jan;47(1):55–62 (19 ref.)

COMPLICATIONS

Perspectives, controversies and directives on pulpal-periodontal relationships. Belk CE, et al. **J Can Dent Assoc** 1990 Nov;56(11):1013–7 (42 ref.)

The endo-perio problem in dental practice: diagnosis and prognosis. Christie WH, et al. **J Can Dent Assoc** 1990 Nov; 56(11):1005–11 (42 ref.)

DIAGNOSIS

Diagnosing periodontal diseases. Barrington EP, et al. **J Am Dent Assoc** 1990 Oct;121(4):460–4 (58 ref.)

Current research in diagnostic methods for assessing periodontal disease and its future impact. Loesche WJ. **J Can Dent Assoc** 1991 Jul;57(7):574–8 (27 ref.)

Markers of periodontal disease susceptibility and activity—a review. Stark DE, et al. **J Can Dent Assoc** 1991 Feb; 57(2):127–9 (29 ref.)

Periodontal diagnosis in the 1990s. Lang NP, et al. **J Clin Periodontol** 1991 Jul;18(6):370–9 (80 ref.)

Non-plaque related periodontal lesions. An overview of some common and uncommon lesions. van der Waal I. **J Clin Periodontol** 1991 Jul;18(6):436–40 (33 ref.)

Measurement of associations in periodontal diseases using statistical methods for dependent data. DeRouen TA, et al. **J Periodont Res** 1991 May;26(3 (Pt 2)):218–29 (20 ref.)

[Clinical indices in periodontal diagnosis. A review] Zafiropoulos GG, et al. **Dtsch Zahn Mund Kieferheilkd Zentralbl** 1991;79(2):125–40 (64 ref.) (Eng. Abstr.) **(Ger)**

[Sulcus fluid in periodontal diagnosis. A review] Zafiropoulos GG, et al. **Schweiz Monatsschr Zahnmed** 1991; 101(8):973–85 (148 ref.) (Eng. Abstr.) **(Ger)**

[Periodontal disease in Noonan's syndrome] Torres-Carmona MA, et al. **Bol Med Hosp Infant Mex** 1991 Apr;48(4):271–4 (12 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Controlled drug release in periodontics: a review of new therapies. Needleman IG. **Br Dent J** 1991 Jun 8; 170(11):405–8 (43 ref.)

EPIDEMIOLOGY

Epidemiology of periodontal disease. Lang NP. **Arch Oral Biol** 1990;35 Suppl:9S–14S (36 ref.)

Epidemiology and prevention of periodontal disease in individuals with diabetes. Katz PP, et al. **Diabetes Care** 1991 May;14(5):375–85 (82 ref.)

Factors influencing the assessment of treatment needs. Gjermo P. **J Clin Periodontol** 1991 Jul;18(6):358–61 (44 ref.)

ETIOLOGY

The role of inflammatory mediators in the pathogenesis of periodontal disease. Page RC. **J Periodont Res** 1991 May; 26(3 (Pt 2)):230–42 (97 ref.)

Immunologic mechanisms of pathogenesis in periodontal

diseases: an assessment. Ranney RR. **J Periodont Res** 1991 May;26(3 (Pt 2)):243–54 (176 ref.)
Periodontal health and disease in children and adolescents. Bimstein E. **Pediatr Clin North Am** 1991 Oct;38(5):1183–207 (80 ref.)
[Insulin-dependent diabetes and periodontal disease in young patients] de Pommereau V, et al. **Ann Pediatr (Paris)** 1991 Apr;38(4):235–9 (27 ref.) (Eng. Abstr.) **(Fre)**
[The etiopathogenesis of periodontal diseases: the role of microorganisms. A review] Zafiropoulos GG, et al. **Schweiz Monatsschr Zahnmed** 1991;101(2):151–61 (173 ref.) (Eng. Abstr.) **(Ger)**
[The role of LGL cells (NK and K) in periodontal disease] Matarasso S, et al. **Minerva Stomatol** 1991 Apr;40(4):219–23 (7 ref.) (Eng. Abstr.) **(Ita)**
[The role of Langerhans cells in periodontal disease] Matarasso S, et al. **Minerva Stomatol** 1991 Apr; 40(4):199–202 (16 ref.) (Eng. Abstr.) **(Ita)**
[The role of phagocytic cells in periodontal disease] Matarasso S, et al. **Minerva Stomatol** 1991 Apr;40(4):203–10 (15 ref.) (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Impact of mental stress on the immune response. Ballieux RE. **J Clin Periodontol** 1991 Jul;18(6):427–30 (39 ref.)
Periodontal disease mechanisms in immunocompromised patients. Tolo K. **J Clin Periodontol** 1991 Jul;18(6):431–5 (48 ref.)
Autoimmunity in periodontal disease. Anusaksathien O, et al. **J Oral Pathol Med** 1991 Mar;20(3):101–7 (89 ref.)
The role of inflammatory mediators in the pathogenesis of periodontal disease. Page RC. **J Periodont Res** 1991 May; 26(3 (Pt 2)):230–42 (97 ref.)
Immunologic mechanisms of pathogenesis in periodontal diseases: an assessment. Ranney RR. **J Periodont Res** 1991 May;26(3 (Pt 2)):243–54 (176 ref.)
Microbial mechanisms in the pathogenesis of destructive periodontal diseases: a critical assessment. Socransky SS, et al. **J Periodont Res** 1991 May;26(3 (Pt 2)):195–212 (193 ref.)
Microbiological and immunological aspects of experimental periodontal disease in rats: a review article. Klausen B. **J Periodontol** 1991 Jan;62(1):59–73 (142 ref.)

METABOLISM

Analyses of periodontal glycosaminoglycans and proteoglycans. Regulation by microbial, chemical and inflammatory factors. Larjava H, et al. **Proc Finn Dent Soc** 1991;87(2):287–98 (69 ref.)

MICROBIOLOGY

Microbial mechanisms in the pathogenesis of destructive periodontal diseases: a critical assessment. Socransky SS, et al. **J Periodont Res** 1991 May;26(3 (Pt 2)):195–212 (193 ref.)
Microbiological and immunological aspects of experimental periodontal disease in rats: a review article. Klausen B. **J Periodontol** 1991 Jan;62(1):59–73 (142 ref.)

PATHOLOGY

The role of histopathology in the diagnosis and prognosis of periodontal diseases. Gillett IR, et al. **J Clin Periodontol** 1990 Nov;17(10):673–84 (120 ref.)

PHYSIOPATHOLOGY

General principles of healing pertinent to the periodontal problem. Messadi DV, et al. **Dent Clin North Am** 1991 Jul;35(3):443–57 (41 ref.)
Periodontal disease activity: a critical assessment. Greenstein G, et al. **J Periodontol** 1990 Sep;61(9):543–52 (105 ref.)

PREVENTION & CONTROL

Supportive periodontal therapy after reconstructive periodontal surgery. Newman MG, et al. **Dent Clin North Am** 1991 Jul;35(3):571–84 (54 ref.)
Public health aspects of periodontal diseases in Europe. Sheiham A. **J Clin Periodontol** 1991 Jul;18(6):362–9 (96 ref.)
Anti-plaque agents. Rationale and prospects for prevention of gingivitis and periodontal disease. van der Ouderaa FJ. **J Clin Periodontol** 1991 Jul;18(6):447–54 (96 ref.)

RADIOGRAPHY

[The x-ray examination of periodontium] Xie JX, et al. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1991 May; 26(3):182–4 (22 ref.) **(Chi)**

REHABILITATION

Prosthetic reconstruction of dentitions seriously compromised by periodontal disease. Lundgren D. **J Clin Periodontol** 1991 Jul;18(6):390–5 (27 ref.)

SURGERY

Healing and repair of osseous defects. Bernard GW. **Dent Clin North Am** 1991 Jul;35(3):469–77 (47 ref.)
Principles and techniques of guided tissue regeneration. Caffesse RG, et al. **Dent Clin North Am** 1991 Jul; 35(3):479–94 (53 ref.)
Current status of periodontal therapy for furcation involvements. Carranza FA Jr, et al. **Dent Clin North Am** 1991 Jul;35(3):555–70 (67 ref.)
Coronally displaced flaps in reconstructive periodontal therapy. Gantes BG, et al. **Dent Clin North Am** 1991 Jul; 35(3):495–504 (19 ref.)
The treatment of interproximal vertical bony defects with porous hydroxyapatite. Kenney EB, et al. **Dent Clin North Am** 1991 Jul;35(3):541–53 (29 ref.)
Freeze-dried bone allografts in periodontal reconstructive surgery. Mellonig JT. **Dent Clin North Am** 1991 Jul; 35(3):505–20 (51 ref.)
Alloplastic materials in reconstructive periodontal surgery. Shetty V, et al. **Dent Clin North Am** 1991 Jul;35(3):521–30 (41 ref.)
Surgical techniques for reconstructive periodontics. Takei HH. **Dent Clin North Am** 1991 Jul;35(3):531–9 (9 ref.)
Long-term assessment of periodontal surgery versus curettage or scaling and root planing. Ramfjord SP. **Int J Technol Assess Health Care** 1990;6(3):392–402 (58 ref.)
Regenerating bone in clinical periodontics. Mellonig JT, et al. **J Am Dent Assoc** 1990 Oct;121(4):497–502 (103 ref.)
Bone regeneration using the principle of guided tissue regeneration. Nyman S. **J Clin Periodontol** 1991 Jul; 18(6):494–8 (15 ref.)
A critical review of the biologic rationale for guided tissue regeneration. Minabe M. **J Periodontol** 1991 Mar; 62(3):171–9 (74 ref.)
Guided tissue regeneration: an overview. Midda M, et al. **J R Coll Surg Edinb** 1990 Oct;35(5):275–8 (41 ref.)

THERAPY

Reviewing nonsurgical periodontal therapy. Low SB, et al. **J Am Dent Assoc** 1990 Oct;121(4):467–70 (62 ref.)

PERIODONTAL INDEX

Associations between subgingival plaque bacterial morphotypes and clinical indices? Omar AA, et al. **J Clin Periodontol** 1991 Aug;18(7):555–66 (61 ref.)

PERIODONTAL LIGAMENT

CYTOLOGY

Role of fibroblast subpopulations in periodontal physiology and pathology. McCulloch CA, et al. **J Periodont Res** 1991 May;26(3 (Pt 1)):144–54 (101 ref.)

PHYSIOLOGY

Principles and techniques of guided tissue regeneration. Caffesse RG, et al. **Dent Clin North Am** 1991 Jul; 35(3):479–94 (53 ref.)
Guided tissue regeneration: an overview. Midda M, et al. **J R Coll Surg Edinb** 1990 Oct;35(5):275–8 (41 ref.)

PHYSIOPATHOLOGY

Bone regeneration using the principle of guided tissue regeneration. Nyman S. **J Clin Periodontol** 1991 Jul; 18(6):494–8 (15 ref.)

PERIODONTAL RESORPTION see **ALVEOLAR BONE LOSS**

PERIODONTICS

STANDARDS

Periodontics in general practice: professional plaque control [see comments] Greenwell H, et al. **J Am Dent Assoc** 1990 Nov;121(5):642–6 (32 ref.) Comment in: J Am Dent Assoc 1991 Jan;122(1):28.

PERIODONTITIS

COMPLICATIONS

HIV-associated periodontal lesions: a study of the literature. Nantista L. **N Y State Dent J** 1990 Dec;56(10):28–30 (9 ref.)

DIAGNOSIS

Periodontal disease and the family physician. Hubbard TM. **Am Fam Physician** 1991 Aug;44(2):487–91 (12 ref.)
Associations between subgingival plaque bacterial morphotypes and clinical indices? Omar AA, et al. **J Clin Periodontol** 1991 Aug;18(7):555–66 (61 ref.)
Specific antibody responses to subgingival plaque bacteria as aids to the diagnosis and prognosis of destructive periodontitis. Wilton JM, et al. **J Clin Periodontol** 1991 Jan;18(1):1–15 (77 ref.)

DRUG THERAPY

Rationale for the use of antimicrobial agents in periodontal disease. Loesche WJ. **Int J Technol Assess Health Care** 1990;6(3):403–17 (71 ref.)
Periodontal therapy: reviewing subgingival irrigations and future considerations. Goodman CH, et al. **J Am Dent Assoc** 1990 Oct;121(4):541–3 (30 ref.)

ETIOLOGY

Plaque and chronic inflammatory periodontal disease. A question of ecology. Newman HN. **J Clin Periodontol** 1990 Sep;17(8):533–41 (132 ref.)

IMMUNOLOGY

Importance of the host response in the periodontium. Seymour GJ. **J Clin Periodontol** 1991 Jul;18(6):421–6 (57 ref.)

MICROBIOLOGY

Dental bacterial plaques. Nature and role in periodontal disease. Christersson LA, et al. **J Clin Periodontol** 1991 Jul;18(6):441–6 (52 ref.)
The use of genomic DNA fingerprinting in studies of the epidemiology of bacteria in periodontitis. Genco RJ, et al. **J Clin Periodontol** 1991 Jul;18(6):396–405 (63 ref.)
New views on periodontal microbiota in special patient categories. Slots J, et al. **J Clin Periodontol** 1991 Jul; 18(6):411–20 (137 ref.)
Microbiology in the management of destructive periodontal disease. van Winkelhoff AJ, et al. **J Clin Periodontol** 1991 Jul;18(6):406–10 (33 ref.)
[The direct and indirect tissue-damaging action of periodontally pathogenic bacteria] Matarasso S, et al. **Minerva Stomatol** 1991 Apr;40(4):211–7 (13 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

The onset age of periodontal destruction. van der Velden U. **J Clin Periodontol** 1991 Jul;18(6):380–3 (25 ref.)

THERAPY

Treatment of rapidly progressive periodontitis: a review and case report. Pruthi VK, et al. **J Can Dent Assoc** 1990 Oct; 56(10):949–53 (22 ref.)

PERIODONTITIS, APICAL see **PERIAPICAL PERIODONTITIS**

PERIODONTITIS, JUVENILE see **PERIODONTOSIS**

PERIODONTIUM

CHEMISTRY

Analyses of periodontal glycosaminoglycans and proteoglycans. Regulation by microbial, chemical and inflammatory factors. Larjava H, et al. **Proc Finn Dent Soc** 1991;87(2):287–98 (69 ref.)

CYTOLOGY

Extracellular matrix molecules and their receptors: an overview with special emphasis on periodontal tissues. Uitto VJ, et al. **Crit Rev Oral Biol Med** 1991;2(3):323–54 (243 ref.)
Biology of tooth-cell adhesion. Aukhil I. **Dent Clin North Am** 1991 Jul;35(3):459–67 (24 ref.)
Role of fibroblast subpopulations in periodontal physiology and pathology. McCulloch CA, et al. **J Periodont Res** 1991 May;26(3 (Pt 1)):144–54 (101 ref.)

IMMUNOLOGY

Importance of the host response in the periodontium. Seymour GJ. **J Clin Periodontol** 1991 Jul;18(6):421–6 (57 ref.)

MICROBIOLOGY

[The direct and indirect tissue-damaging action of periodontally pathogenic bacteria] Matarasso S, et al. **Minerva Stomatol** 1991 Apr;40(4):211–7 (13 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

The role of histopathology in the diagnosis and prognosis of periodontal diseases. Gillett IR, et al. **J Clin Periodontol** 1990 Nov;17(10):673–84 (120 ref.)

PHYSIOLOGY

Periodontal considerations of the removable partial overdenture. Gomes BC, et al. **Dent Clin North Am** 1990 Oct;34(4):653–68 (60 ref.)
Implants in relation to natural teeth. Klinge B. **J Clin Periodontol** 1991 Jul;18(6):482–7 (25 ref.)
Tissue regeneration principles applied to separation of fused teeth. Kohavi D, et al. **J Clin Periodontol** 1990 Oct; 17(9):623–9 (26 ref.)
Titanium endosseous implant-soft tissue interface: a literature review. Donley TG, et al. **J Periodontol** 1991 Feb; 62(2):153–60 (50 ref.)

PHYSIOPATHOLOGY

General principles of healing pertinent to the periodontal problem. Messadi DV, et al. **Dent Clin North Am** 1991 Jul;35(3):443–57 (41 ref.)
A critical review of the biologic rationale for guided tissue regeneration. Minabe M. **J Periodontol** 1991 Mar; 62(3):171–9 (74 ref.)

RADIOGRAPHY

[The x-ray examination of periodontium] Xie JX, et al. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1991 May; 26(3):182–4 (22 ref.) **(Chi)**

SURGERY

Coronally displaced flaps in reconstructive periodontal therapy. Gantes BG, et al. **Dent Clin North Am** 1991 Jul; 35(3):495–504 (19 ref.)

PERIODONTIUM, APICAL see **PERIAPICAL TISSUE**

PERIODONTOSIS

Localized juvenile periodontitis: a review of the literature. Gelskey SC, et al. **J Can Dent Assoc** 1990 Aug;56(8):791–6 (109 ref.)

COMPLICATIONS

Phenotypic overlap of Ehlers–Danlos syndrome types IV and VIII. Hartsfield JK Jr, et al. **Am J Med Genet** 1990 Dec;37(4):465–70 (18 ref.)

PERIOPERATIVE NURSING see **OPERATING ROOM NURSING**

PERIOSTEUM

Surface osteosarcoma. Raymond AK. **Clin Orthop** 1991 Sep; (270):140–8 (33 ref.)

[Recurrent multifocal periostosis in children. Report of a familial form] Ben Becher S, et al. **Ann Pediatr (Paris)** 1991 May;38(5):345–9 (14 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Radiologic study of endosteal, intracortical, and periosteal surfaces of hand bones in metabolic bone diseases. Meema HE. **Hand Clin** 1991 Feb;7(1):37–51 (50 ref.)

TRANSPLANTATION

[Vascularized periosteal transplant. A review of a new therapeutic possibility] Stock W, et al. **Handchir Mikrochir Plast Chir** 1991 May;23(3):149–56 (56 ref.) (Eng. Abstr.) **(Ger)**

PERIOSTITIS

DRUG THERAPY

[Anticollagenolytic effect of tetracycline and its therapeutic use] Grabowska–Bochenek R, et al. **Przegl Lek** 1990; 47(3):353–4 (0 ref.) **(Pol)**

PERIPHERAL CATHETERIZATION see **CATHETERIZATION, PERIPHERAL**

PERIPHERAL EQUIPMENT, COMPUTER see **COMPUTER PERIPHERALS**

PERIPHERAL NERVE DISEASES

Polyglucosan body disease. Cafferty MS, et al. **Muscle Nerve** 1991 Feb;14(2):102–7 (27 ref.)

Paraneoplastic vasculitic neuropathy: a treatable neuropathy. Oh SJ, et al. **Muscle Nerve** 1991 Feb;14(2):152–6 (6 ref.)

CHEMICALLY INDUCED

Molecular mechanisms of gamma–diketone neuropathy. Graham DG, et al. **Adv Exp Med Biol** 1991;283:427–31 (25 ref.)

Prevention and management of drug–induced peripheral neuropathy. Olesen LL, et al. **Drug Saf** 1991 Jul–Aug; 6(4):302–14 (136 ref.)

[Sensitive neuropathy caused by almitrine] Séror P. **Rev Rhum Mal Osteoartic** 1990 Jul–Sep;57(7–8):531–6 (19 ref.) **(Fre)**

[A case of inorganic germanium poisoning with peripheral and cranial neuropathy, myopathy and autonomic dysfunction] Iijima M, et al. **No To Shinkei** 1990 Sep; 42(9):851–6 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Peripheral neuropathy by chronic deliberate inhalation of benzine (n–hexane). A case report and review of the literature] Malbergier A. **Rev Paul Med** 1990 May–Jun; 108(3):142–4 (7 ref.) (Eng. Abstr.) **(Por)**

CLASSIFICATION

AAEM minimonograph #34: polyneuropathy: classification by nerve conduction studies and electromyography. Donofrio PD, et al. **Muscle Nerve** 1990 Oct;13(10):889–903 (252 ref.)

[Systematic classification of the disorders of the peripheral nervous system] Warzok R, et al. **Zentralbl Allg Pathol** 1990;136(6):487–91 (11 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Angiofollicular lymph node hyperplasia and peripheral neuropathy. Case report and literature review. Scherokman B, et al. **Arch Intern Med** 1991 Apr;151(4):789–90 (18 ref.)

Neurologic and psychiatric manifestations of HIV disease. Hollander H. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S24–31 (57 ref.)

[The POEMS syndrome: an uncommon entity among plasmocytic dyscrasias (letter)] Touze JE, et al. **Ann Med Interne (Paris)** 1990;141(7):621–3 (12 ref.) **(Fre)**

DIAGNOSIS

[Morphological diagnosis of peripheral nervous system diseases] Warzok R, et al. **Zentralbl Allg Pathol** 1990; 136(6):493–502 (26 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Vitamin E and neurologic deficits. Sokol RJ. **Adv Pediatr** 1990;37:119–48 (168 ref.)

Neurologic involvement of multiple myeloma. Literature review and case report. Sidoti SP, et al. **J Am Podiatr Med Assoc** 1991 Apr;81(4):220–3 (32 ref.)

Crow–Fukase syndrome associated with extramedullary plasmacytoma. Shirabe S, et al. **Jpn J Med** 1991 Jan–Feb; 30(1):64–6 (11 ref.)

Polyneuropathy associated with IgM monoclonal gammopathy: a review. Clinical, electrophysiological and pathological features. Leger JM, et al. **Nouv Rev Fr Hematol** 1990;32(5):303–6 (34 ref.)

[Peripheral neuropathy and plasmocytic proliferations. Apropos of 17 cases] Delauche–Cavallier MC, et al. **Ann Med Interne (Paris)** 1990;141(8):651–6 (40 ref.) (Eng. Abstr.) **(Fre)**

[Neurological complication of human immunodeficiency virus infection] Koralnik IJ, et al. **Presse Med** 1991 Jun 22;20(24):1129–35 (19 ref.) (Eng. Abstr.) **(Fre)**

[Peripheral nerve diseases disclosing Horton's disease (2 cases)] Balquet MH, et al. **Rev Med Interne** 1991 Jan–Feb; 12(1):57–9 (10 ref.) (Eng. Abstr.) **(Fre)**

[Peripheral neuropathies] Neundörfer B. **Verh Dtsch Ges Inn Med** 1990;96:569–75 (56 ref.) **(Ger)**

[A case of delayed radiation lumbo–sacral plexopathy] Numata K, et al. **No To Shinkei** 1990 Jul;42(7):629–33 (20 ref.) (Eng. Abstr.) **(Jpn)**

[Subacute sensory neuropathy associated with carcinoma—an autopsy case report and an analysis of Japanese cases] Yamada A, et al. **Rinsho Shinkeigaku** 1990 Aug;30(8):860–3 (13 ref.) (Eng. Abstr.) **(Jpn)**

GENETICS

Modeling Schwann cell diseases in transgenic mice. Messing A. **Ann N Y Acad Sci** 1990;605:325–31 (48 ref.)

Inherited amyloidosis. Benson MD. **J Med Genet** 1991 Feb; 28(2):73–8 (13 ref.)

Hereditary metabolic neuropathies. Goebel HH. **Zentralbl Allg Pathol** 1990;136(6):503–15 (52 ref.)

METABOLISM

Abnormalities in cholesterol metabolism cause peripheral neuropathy and dementia in AIDS—a hypothesis. Falkenbach A, et al. **Med Hypotheses** 1990 Sep;33(1):57–61 (62 ref.)

MICROBIOLOGY

[Neural involvement in hanseniasis] Job CK. **Hansenol Int** 1989 Jun;14(1):50–9 (19 ref.) **(Por)**

PATHOLOGY

Peripheral nerve entrapments, repetitive strain disorder, occupation–related syndromes, bursitis, and tendonitis. Nakano KK. **Curr Opin Rheumatol** 1991 Apr;3(2):226–39 (51 ref.)

Amyloid–related neuropathies. Goebel HH, et al. **Zentralbl Allg Pathol** 1990;136(6):517–23 (27 ref.)

PHYSIOPATHOLOGY

Magnetic stimulation of the peripheral nervous system. Evans BA. **J Clin Neurophysiol** 1991 Jan;8(1):77–84 (27 ref.)

PERIPHERAL NERVE NEOPLASMS

COMPLICATIONS

Subarachnoid hemorrhage from multiple neurofibromas of the cauda equina: case report. Bruni P, et al. **Neurosurgery** 1991 Jun;28(6):910–3 (31 ref.)

DIAGNOSIS

A benign tumor of the sciatic nerve: case report and review of the literature. Dubuisson A, et al. **Acta Neurol Belg** 1991; 91(1):5–11 (20 ref.)

Paraganglioma of the cauda equina. Report of 2 cases and review of 59 cases from the literature. Raftopoulos C, et al. **Clin Neurol Neurosurg** 1990;92(3):263–70 (36 ref.)

[Peripheral neuroepithelioma] Moreno–Gimenez JC, et al. **Ann Dermatol Venereol** 1990;117(12):945–7 (12 ref.) **(Fre)**

PATHOLOGY

Paraganglioma of the cauda equina. A case report and review of the literature. Yoshida A, et al. **Acta Pathol Jpn** 1991 Apr;41(4):305–10 (32 ref.)

Malignant glandular triton tumor. Wong SY, et al. **Cancer** 1991 Feb 15;67(4):1076–83 (22 ref.)

Primitive neuroectodermal tumors (PNETs) of the CNS and PNS that express functional nerve growth factor receptors (NGFR) but fail to differentiate in response to NGF. Reddy UR, et al. **Prog Clin Biol Res** 1991;366:243–8 (31 ref.)

SECONDARY

[Metastatic Grawitz's tumor to the cauda equina: case report] Takahashi I, et al. **No Shinkei Geka** 1990 Dec; 18(12):1157–60 (12 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

[Neuritis and neuroma of the sensory branches of the radial nerve. Apropos of 44 cases] Foucher G, et al. **Ann Chir Main Memb Super** 1991;10(2):108–12 (26 ref.) (Eng. Abstr.) **(Fre)**

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the peripheral nervous system. Cardesa A, et al. **IARC Sci Publ** 1990;(99):699–724 (93 ref.)

Remote effects of cancer on the nervous system. Braund KG. **Semin Vet Med Surg (Small Anim)** 1990 Nov;5(4):262–70 (63 ref.)

PERIPHERAL NERVES

BLOOD SUPPLY

Application of confocal scanning laser microscopy in experimental pathology. Smith GJ, et al. **J Electron Microsc Tech** 1991 May;18(1):38–49 (44 ref.)

Intraneural vascular investigative techniques. Best TJ, et al. **J Reconstr Microsurg** 1991 Jul;7(3):245–8 (34 ref.)

CHEMISTRY

Comparative studies on myelin proteins in mammalian peripheral nerve. Uyemura K, et al. **Comp Biochem Physiol [C]** 1991;98(1):63–72 (72 ref.)

Amyloid–related neuropathies. Goebel HH, et al. **Zentralbl Allg Pathol** 1990;136(6):517–23 (27 ref.)

CYTOLOGY

Schwann cell precursors and their development. Jessen KR, et al. **GLIA** 1991;4(2):185–94 (73 ref.)

DRUG EFFECTS

Accurate monitoring of neuromuscular blockade using a peripheral nerve stimulator—a review. Beemer GH, et al. **Anaesth Intensive Care** 1990 Nov;18(4):490–6 (36 ref.)

An assessment of the toxicological properties of pyrethroids and their neurotoxicity. Aldridge WN. **Crit Rev Toxicol** 1990;21(2):89–104 (64 ref.)

Neurotoxicological effects and the mode of action of pyrethroid insecticides. Vijverberg HP, et al. **Crit Rev Toxicol** 1990;21(2):105–26 (195 ref.)

CNS and PNS effects of nimodipine. Bär PR, et al. **J Neural Transm Suppl** 1990;31:55–71 (78 ref.)

[Mechanism of action and clinical use of opioids administered by the peripheral perineural route] Boogaerts J, et al. **Cah Anesthesiol** 1991;39(2):91–5 (52 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Nerve antigen based serological tests for the diagnosis and prognosis of leprosy. Mukherjee R, et al. **Trop Med Parasitol** 1990 Sep;41(3):357–8 (14 ref.)

INJURIES

Damage of the long thoracic and dorsal scapular nerve after traumatic shoulder dislocation: case report and review of the literature. Jerosch J, et al. **Acta Orthop Belg** 1990; 56(3–4):625–7 (21 ref.)

Considerations for safety with chronically implanted nerve electrodes. Agnew WF, et al. **Epilepsia** 1990;31 Suppl 2:S27–32 (32 ref.)

Nerve injury. Fisher TR. **Injury** 1990 Sep;21(5):302–4 (19 ref.)

Enhancement of peripheral nerve regeneration. Seckel BR. **Muscle Nerve** 1990 Sep;13(9):785–800 (152 ref.)

Experimental pathophysiological correlates of clinical symptomatology in peripheral neuropathic pain syndromes. Rappaport ZH, et al. **Stereotact Funct Neurosurg** 1990; 54–55:90–5 (7 ref.)

[Electrophysiologic diagnosis of peripheral nerve lesions] Görig E, et al. **Neurochirurgia (Stuttg)** 1991 Jan;34(1):18–31 (57 ref.) (Eng. Abstr.) **(Ger)**

[Application of the wrinkle test in peripheral nerve injuries] Goldberg I, et al. **Harefuah** 1991 Feb 15;120(4):220–1 (5 ref.) **(Heb)**

METABOLISM

Mechanisms of facilitation and muscarinic or alpha–adrenergic inhibition of acetylcholine and noradrenaline secretion from peripheral nerves. Alberts P. **Acta Physiol Scand Suppl** 1982;506:1–39 (253 ref.)

PATHOLOGY

Recent concepts in the pathology of leprosy. Mukherjee A. **Trop Med Parasitol** 1990 Sep;41(3):344–6 (34 ref.)

Nerve damage, surgery and rehabilitation in leprosy. Srinivasan H. **Trop Med Parasitol** 1990 Sep;41(3):347–9 (17 ref.)

[Amyotrophic lateral sclerosis. Focal points] Henny C, et al. **Rev Med Suisse Romande** 1991 Jan;111(1):9–16 (20 ref.) **(Fre)**

[Morphological diagnosis of peripheral nervous system diseases] Warzok R, et al. **Zentralbl Allg Pathol** 1990; 136(6):493–502 (26 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Peripheral neurohumoral factors and central control of homeostasis during altered sodium intake. Aguilera G. **Adv Exp Med Biol** 1990;274:227–42 (51 ref.)

Biomagnetic studies of peripheral nerves and skeletal muscle. Roth BJ. **Adv Neurol** 1990;54:101–17 (60 ref.)

Models and analysis of compound nerve action potentials. Schoonhoven R, et al. **Crit Rev Biomed Eng** 1991; 19(1):47–111 (202 ref.)

Effects of opioid peptides on peripheral stimulation and "stress"-induced analgesia in animals. Bodnar RJ. **Crit Rev Neurobiol** 1990;6(1):39–49 (188 ref.)

Physiologic mechanisms underlying the generation of far-field potentials. Kimura J, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:13–21 (48 ref.)

Peripheral and central thermosensitivity. Pierau FK, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):323–35 (68 ref.)

Cellular magnetic fields: fundamental and applied measurements on nerve axons, peripheral nerve bundles, and skeletal muscle. Wikswo JP Jr, et al. **J Clin Neurophysiol** 1991 Apr;8(2):170–88 (57 ref.)

Central and peripheral benzodiazepine receptors: involvement in an organism's response to physical and psychological stress. Drugan RC, et al. **Neurosci Biobehav Rev** 1991 Summer;15(2):277–98 (329 ref.)

Arterial baroreceptor reflex: its central and peripheral neural mechanisms. Kumada M, et al. **Prog Neurobiol** 1990; 35(5):331–61 (215 ref.)

[Peripheral and spinal pathways involved in diffuse inhibitory controls induced by noxious stimulation. Neurosurgical approach in rats] Le Bars D, et al. **Neurochirurgie** 1990; 36(5):265–72 (48 ref.) (Eng. Abstr.) **(Fre)**

[Regeneration processes in peripheral nerves following nerve transsection] Dietzmann K. **Zentralbl Allg Pathol** 1990; 136(6):525–36 (78 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Magnetic stimulation of the peripheral nervous system. Evans BA. **J Clin Neurophysiol** 1991 Jan;8(1):77–84 (27 ref.)

Suprascapular nerve lesions at the spinoglenoid notch: report of three cases and review of the literature. Liveson JA, et al. **J Neurol Neurosurg Psychiatry** 1991 Mar;54(3):241–3 (51 ref.)

[Contractile properties of the muscles in disorders of peripheral innervation (review of the literature)] Bogdanov EI, et al. **Zh Nevropatol Psikhiatr** 1991;91(2):129–32 (58 ref.) **(Rus)**

SURGERY

Peripheral nerve surgery today: turning point or continuous development? Millesi H. **J Hand Surg [Br]** 1990 Aug; 15(3):281–7 (142 ref.)

Progress in peripheral nerve reconstruction. Millesi H. **World J Surg** 1990 Nov–Dec;14(6):733–47 (215 ref.)

ULTRASTRUCTURE

In-vivo quantitative imaging of catecholaminergic nerve terminals in brain and peripheral organs using positron emission tomography (PET). Kopin IJ. **J Neural Transm Suppl** 1990;32:19–27 (38 ref.)

PERIPHERAL RESISTANCE see **VASCULAR RESISTANCE**

PERIPHERAL T-CELL LYMPHOMA see **LYMPHOMA, T-CELL, PERIPHERAL**

PERISTALSIS

Megacystis-microcolon-intestinal hypoperistalsis syndrome in two male siblings. Garber A, et al. **Prenat Diagn** 1990 Jun;10(6):377–87 (26 ref.)

PERISTALTIC PUMPS, IMPLANTABLE see **INFUSION PUMPS, IMPLANTABLE**

PERITONEAL CAVITY

Proteoglycans of CAPD-dialysate fluid and mesothelium. Davies M, et al. **Contrib Nephrol** 1990;85:134–41 (26 ref.)

Host defense mechanisms in the peritoneal cavity of continuous ambulatory peritoneal dialysis patients. 2. Humoral defenses. Holmes C, et al. **Perit Dial Int** 1991; 11(2):112–7 (31 ref.)

CYTOLOGY

Peritoneal lymphocyte populations in CAPD patients. Davies SJ. **Contrib Nephrol** 1990;85:16–23 (21 ref.)

PATHOLOGY

The interaction of organism, phagocyte and mesothelial cell. Stylianou E, et al. **Contrib Nephrol** 1990;85:30–8 (31 ref.)

Host defense mechanisms in the peritoneal cavity of continuous ambulatory peritoneal dialysis patients. 1. Lewis S, et al. **Perit Dial Int** 1991;11(1):14–21 (49 ref.)

PERITONEAL DIALYSIS

see related
DIALYSIS SOLUTIONS
KIDNEY, ARTIFICIAL

Is the peritoneal membrane durable indefinitely? Hallett MD, et al. **Adv Perit Dial** 1990;6:197–201 (25 ref.)

Osmotic agents in peritoneal dialysis. Gokal R. **Contrib Nephrol** 1990;85:126–33 (33 ref.)

Pharmacological alteration of ultrafiltration. Khanna R, et al. **Contrib Nephrol** 1990;85:150–8 (32 ref.)

Factors affecting ultrafiltration in peritoneal dialysis. Mistry C, et al. **Contrib Nephrol** 1990;85:111–7 (16 ref.)

Phosphatidylcholine and peritoneal dialysis. Williams JD, et al. **Contrib Nephrol** 1990;85:142–9 (14 ref.)

Pathophysiology of ultrafiltration in peritoneal dialysis. Ronco C, et al. **Perit Dial Int** 1990;10(2):119–26 (43 ref.)

Advances in peritoneal dialysis prescription. Diaz-Buxo JA. **Transplant Proc** 1991 Apr;23(2):1845–6 (3 ref.)

INSTRUMENTATION

Grossly visible fungal colonization of a Tenckhoff catheter. A case report and literature review. Sekkarie M, et al. **Perit Dial Int** 1991;11(1):85–7 (6 ref.)

METHODS

The nutritional approach for pediatric patients undergoing CAPD/CCPD. Salusky IB. **Adv Perit Dial** 1990;6:245–51 (37 ref.)

Continuous cyclic peritoneal dialysis. Diaz-Buxo JA. **Contrib Nephrol** 1990;84:75–81 (20 ref.)

PERITONEAL DIALYSIS, CONTINUOUS AMBULATORY

Is the peritoneal membrane durable indefinitely? Hallett MD, et al. **Adv Perit Dial** 1990;6:197–201 (25 ref.)

The nutritional approach for pediatric patients undergoing CAPD/CCPD. Salusky IB. **Adv Perit Dial** 1990;6:245–51 (37 ref.)

Immunoglobulin and complement. Coles GA. **Contrib Nephrol** 1990;85:24–9 (27 ref.)

Proteoglycans of CAPD-dialysate fluid and mesothelium. Davies M, et al. **Contrib Nephrol** 1990;85:134–41 (26 ref.)

Peritoneal lymphocyte populations in CAPD patients. Davies SJ. **Contrib Nephrol** 1990;85:16–23 (21 ref.)

Nutrition and metabolism in continuous ambulatory peritoneal dialysis. Gahl GM, et al. **Contrib Nephrol** 1990; 84:36–44 (39 ref.)

Cardiovascular system in continuous ambulatory peritoneal dialysis. Giangrande A. **Contrib Nephrol** 1990;84:52–9 (42 ref.)

Amino acid dialysate. Goodship TH, et al. **Contrib Nephrol** 1990;85:84–91 (21 ref.)

Osmotic agents. An update. Hain H, et al. **Contrib Nephrol** 1991;89:119–27 (41 ref.)

Mineral metabolism in CAPD. Hamdy NA, et al. **Contrib Nephrol** 1990;85:100–10 (43 ref.)

The polymorph neutrophil in CAPD patients. Harvey DM, et al. **Contrib Nephrol** 1990;85:10–5 (13 ref.)

Monocyte/macrophage function in CAPD patients. Lewis SL, et al. **Contrib Nephrol** 1990;85:1–9 (23 ref.)

Lymphatics in CAPD. Mactier RA. **Contrib Nephrol** 1990; 85:118–25 (31 ref.)

Peritoneal dialysis improves uremic endocrine disorders. Maher JF. **Contrib Nephrol** 1990;84:45–51 (22 ref.)

Alternate use of amino acid and glucose solutions in CAPD. A review. Pedersen FB. **Contrib Nephrol** 1991;89:147–54 (24 ref.)

Continuous ambulatory peritoneal dialysis in diabetic patients. Scarpioni LL, et al. **Contrib Nephrol** 1990;84:60–74 (40 ref.)

The interaction of organism, phagocyte and mesothelial cell. Stylianou E, et al. **Contrib Nephrol** 1990;85:30–8 (31 ref.)

Organisms causing peritonitis. Verbrugh HA. **Contrib Nephrol** 1990;85:39–48 (56 ref.)

Osmotic agents in the peritoneal fluid. Veys N, et al. **Contrib Nephrol** 1990;84:27–35 (34 ref.)

Maintaining nutrition in CAPD patients. Walls J, et al. **Contrib Nephrol** 1990;85:79–83 (21 ref.)

Host defense mechanisms in the peritoneal cavity of continuous ambulatory peritoneal dialysis patients. 2. Humoral defenses. Holmes C, et al. **Perit Dial Int** 1991; 11(2):112–7 (31 ref.)

CAPD peritonitis and fluoroquinolones: a review. Janknegt R. **Perit Dial Int** 1991;11(1):48, 53–8 (35 ref.)

Host defense mechanisms in the peritoneal cavity of continuous ambulatory peritoneal dialysis patients. 1. Lewis S, et al. **Perit Dial Int** 1991;11(1):14–21 (49 ref.)

Calcium carbonate as a phosphate binder: is there a need to adjust peritoneal dialysate calcium concentrations for patients using CaCO3? Martis L, et al. **Perit Dial Int** 1989; 9(4):325–8 (28 ref.)

[Continuous ambulatory peritoneal dialysis: determination of treatment location] Rambausek M. **Dtsch Med Wochenschr** 1990 Dec 21;115(51–52):1975–9 (30 ref.) **(Ger)**

ADVERSE EFFECTS

Nontuberculous mycobacterial peritonitis during continuous ambulatory peritoneal dialysis: case report and review of diagnostic and therapeutic strategies. Dunmire RB 3d, et al. **Am J Kidney Dis** 1991 Jul;18(1):126–30 (25 ref.)

Genital edema in children on continuous ambulatory peritoneal dialysis. Robson WL, et al. **Child Nephrol Urol** 1990;10(4):205–10 (26 ref.)

Pneumococcal peritonitis complicating CAPD—was the indwelling intrauterine device to blame? Korzets A, et al. **Clin Nephrol** 1991 Jan;35(1):24–5 (13 ref.)

CAPD-associated peritonitis: an immunological perspective on causes and interventions. Holmes CJ. **Contrib Nephrol** 1990;86:73–88; discussion 88–90 (47 ref.)

Exit-site infection in CAPD: a review. Luzar MA. **Contrib Nephrol** 1990;85:57–66 (33 ref.)

Lipids in CAPD: a review. Thomas ME, et al. **Contrib Nephrol** 1990;85:92–9 (27 ref.)

Host defence in CAPD treatment: the effect of the dialysate on cell function. van Bronswijk H, et al. **Contrib Nephrol** 1990;85:67–72 (19 ref.)

Gram-positive infections related to CAPD. Williams JD, et al. **J Antimicrob Chemother** 1991 Apr;27 Suppl B:31–5 (26 ref.)

Oerskovia xanthineolytica implicated in peritonitis associated with peritoneal dialysis: case report and review of Oerskovia infections in humans. Rihs JD, et al. **J Clin Microbiol** 1990 Sep;28(9):1934–7 (12 ref.)

Newer quinolones in the treatment of continuous ambulatory peritoneal dialysis (CAPD) related infections. Nikolaidis P. **Perit Dial Int** 1990;10(2):127–33 (64 ref.)

The use of erythropoietin in renal failure. Macdougall IC, et al. **Postgrad Med J** 1991 Jan;67(783):9–15 (83 ref.)

Surgical correction of hydrothorax from diaphragmatic eventration in children on peritoneal dialysis. Bjerke HS, et al. **Surgery** 1991 Apr;109(4):550–4 (18 ref.)

[Peritonitis with continuous ambulatory peritoneal dialysis. Status and future perspectives] Nielsen H, et al. **Ugeskr Laeger** 1991 Apr 8;153(15):1040–3 (30 ref.) (Eng. Abstr.) **(Dan)**

[Infections in dialysis patients] Boelaert JR, et al. **Ned Tijdschr Geneeskd** 1991 Jan 26;135(4):116–7 (18 ref.) **(Dut)**

INSTRUMENTATION

Catheter-associated biofilm. Holmes CJ. **Contrib Nephrol** 1990;85:49–56 (31 ref.)

METHODS

[Continuous ambulatory peritoneal dialysis (editorial)] Ryckelynck JP. **Presse Med** 1991 Jan 5–12;20(1):13–5 (10 ref.) **(Fre)**

TRENDS

Continuous ambulatory peritoneal dialysis: present status and future trends. Maiorca R. **Contrib Nephrol** 1990;84:82–96 (77 ref.)

UTILIZATION

Updating on continuous ambulatory peritoneal dialysis. La Greca G, et al. **Contrib Nephrol** 1990;84:1–9 (14 ref.)

PERITONEAL DISEASES

DIAGNOSIS

Imaging of the peritoneal cavity. Jeffrey RB Jr. **Curr Opin Radiol** 1991 Jun;3(3):471–3 (9 ref.)

[Rare locations of hydatidosis (a case with a mesocolic site)] Bonzi F, et al. **Chir Ital** 1990 Jun–Aug;42(3–4):143–6 (11 ref.) (Eng. Abstr.) **(Ita)**

MICROBIOLOGY

Microbial colonization in human periodontal disease: an illustrated tutorial on selected ultrastructural and ecologic considerations. Cobb CM, et al. **Scanning Microsc** 1990 Sep; 4(3):675–90; discussion 690–1 (148 ref.)

PARASITOLOGY

Enterobius egg granuloma of the vulva and peritoneum: review of the literature. Sun T, et al. **Am J Trop Med Hyg** 1991 Aug;45(2):249–53 (27 ref.)

PATHOLOGY

[Two cases of abdominal bronchogenic cyst] Takeshita K, et al. **Rinsho Hoshasen** 1990 Sep;35(9):1069–72 (13 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

[Primary torsion of the greater omentum. Apropos of a case and review of the literature] Scepi M, et al. **J Chir (Paris)** 1991 Feb;128(2):89–90 (9 ref.) (Eng. Abstr.) **(Fre)**

PERITONEAL EFFUSION see **ASCITIC FLUID**

PERITONEAL FLUID see **ASCITIC FLUID**

PERITONEAL INFUSIONS see **INFUSIONS, PARENTERAL**

PERITONEAL IRRIGATION see **PERITONEAL LAVAGE**

PERITONEAL LAVAGE

The evaluation of blunt abdominal trauma: computed tomography scan, lavage, or sonography? Thal ER, et al. **Adv Surg** 1991;24:201–28 (82 ref.)

[Cytological analysis of peritoneal lavage fluid in patients during operation for cancer of the myometrium] Forgách J, et al. **Orv Hetil** 1991 Jun 9;132(23):1253–6 (38 ref.) (Eng. Abstr.) **(Hun)**

[First experiences with intraperitoneal chemotherapy] Pikó B, et al. **Orv Hetil** 1991 Jun 2;132(22):1199–201 (30 ref.) (Eng. Abstr.) **(Hun)**

PERITONEAL NEOPLASMS

Primary malignant peritoneal mesothelioma. A report of seven cases and a review of the literature. Asensio JA, et al. **Arch Surg** 1990 Nov;125(11):1477–81 (87 ref.)

Mesenteric giant lymph node hyperplasia—report of a case and review of the literature. Lee JP, et al. **Australas Radiol** 1990 May;34(2):162–4 (17 ref.)

Rare gynecologic malignancies. Schink JC, et al. **Curr Opin Obstet Gynecol** 1991 Feb;3(1):78–90 (55 ref.)

[The heterotopic pancreas in children. Apropos of 4 new cases] Anagnostopoulos D, et al. **Chir Pediatr** 1990; 31(3):164–6 (32 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Benign teratoma of the omentum and ovary coexistent with an ovarian neoplasm. Smith R, et al. **Gynecol Oncol** 1990 Nov;39(2):204–7 (5 ref.)

DIAGNOSIS

Primary solid neoplasms of the greater omentum. Schwartz RW, et al. **Surgery** 1991 Apr;109(4):543–9 (15 ref.)

[Possibilities of cytodiagnosis in ascites] Dirsch OR, et al. **Leber Magen Darm** 1991 May;21(3):108, 110, 113–5 (14 ref.) (Eng. Abstr.) **(Ger)**

[Diffuse peritoneal mesothelioma. Apropos 2 cases and a review of the literature] de Cuenca Morón B, et al. **Rev Esp Enferm Dig** 1991 Jan;79(1):55–9 (60 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Intraperitoneal chemotherapy for peritoneal carcinomatosis from colonic or appendiceal cystadenocarcinoma: rationale and results of treatment. Sugarbaker PH, et al. **Prog Clin Biol Res** 1990;354B:141–70 (10 ref.)

MORTALITY

Malignant peritoneal mesothelioma in childhood with long-term survival. Geary WA, et al. **Am J Clin Pathol** 1991 Apr;95(4):493–8 (34 ref.)

PATHOLOGY

Gliomatosis peritonei with malignant transformation: a case report and review of the literature. Shefren G, et al. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 1):1617–20; discussion 1620–1 (10 ref.)

Peritoneal benign cystic mesothelioma. Hidvégi J, et al. **Pathol Res Pract** 1991 Jan;187(1):103–6; discussion 106–8 (11 ref.)

Benign cystic mesothelioma of the peritoneum: report of a case. Chen YC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1990 Jun;89(6):479–83 (23 ref.)

Well-differentiated papillary mesothelioma of the peritoneum: a borderline mesothelioma. Report of two cases and review of literature. Bürrig KF, et al. **Virchows Arch [A]** 1990;417(5):443–7 (18 ref.)

[A case of melanosis ovarii et peritonei] Kagiya A, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1990 Nov; 42(11):1571–4 (15 ref.) **(Jpn)**

RADIOTHERAPY

Radiotherapy in the management of nodal and peritoneal metastases. Potish RA. **Cancer Treat Res** 1989;49:63–70 (26 ref.)

SECONDARY

Bone metastasis associated with shunt-related peritoneal deposits from a pineal germinoma. Case report and review of the literature. Pallini R, et al. **Acta Neurochir (Wien)** 1991;109(1–2):78–83 (35 ref.)

Solitary subhepatic metastasis of renal adenocarcinoma. Orlando G, et al. **Arch Esp Urol** 1990 Nov–Dec; 43(9):1037–8 (8 ref.)

SURGERY

Malignant mesenchymoma: a very rare tumor of the peritoneum. Case report with a review of the literature. Hauser H, et al. **Langenbecks Arch Chir** 1991;376(1):38–41 (17 ref.)

[A case report of spontaneous mesenteric fibromatosis] Nakajima S, et al. **Nippon Geka Gakkai Zasshi** 1991 Jan; 92(1):93–6 (16 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Primary peritoneal sarcoma: three case reports and review of the literature. Allan SM. **Br J Clin Pract** 1990 Dec; 44(12):753 (5 ref.)

ULTRASTRUCTURE

[Peritoneal mesothelioma: the importance of ultrastructural study. A report of 2 cases and a review of the Spanish literature] Gutiérrez-Rave Pecero VM, et al. **An Med Interna** 1990 May;7(5):261–4 (25 ref.) (Eng. Abstr.) **(Spa)**

PERITONEOSCOPY

Laparoscopic cholecystectomy: evolution, early results, and impact on nonsurgical gallstone therapies [see comments] Brandon JC, et al. **AJR Am J Roentgenol** 1991 Aug; 157(2):235–9 (32 ref.) Comment in: AJR Am J Roentgenol 1991 Aug;157(2):241–2.

Lasers and related new technologies for endoscopic use in gynaecology. A review of their place in Australian practice. Fraser IS. **Aust N Z J Obstet Gynaecol** 1990 Aug; 30(3):221–7 (31 ref.)

Laparoscopic cholecystectomy. Brooks DC, et al. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):225–38 (15 ref.)

An oncologic view of when to do endoscopic surgery. Schwartz PE. **Clin Obstet Gynecol** 1991 Jun;34(2):467–72 (18 ref.)

The role of laparoscopy in the treatment of endometriosis. Cook AS, et al. **Fertil Steril** 1991 Apr;55(4):663–80 (121 ref.)

Urological laparoscopic surgery. Winfield HN, et al. **J Urol** 1991 Oct;146(4):941–8 (25 ref.)

[The role of therapeutic laparoscopy in the surgical treatment of intra-abdominal testes in children] Andze GO, et al. **Chir Pediatr** 1990;31(6):299–302 (28 ref.) (Eng. Abstr.) **(Fre)**

[Laparoscopic cholecystectomy] Trede M, et al. **Dtsch Med Wochenschr** 1991 Feb 8;116(6):219–22 (9 ref.) **(Ger)**

[Management of the impalpable testis; the value of laparoscopy for subsequent treatment] Senoh K, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Jul;82(7):1125–32 (13 ref.) (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

The future of lasers in gynaecology. Sutton C. **Arch Gynecol Obstet** 1990;247 Suppl:S72–80 (14 ref.)

METHODS

Adhesiolysis. Hershlag A, et al. **Clin Obstet Gynecol** 1991 Jun;34(2):395–402 (35 ref.)

Laparoscopic oophorectomy/oophorocystectomy. Johns A. **Clin Obstet Gynecol** 1991 Jun;34(2):460–6 (10 ref.)

Laparoscopic use of sutures. Marrero MA, et al. **Clin Obstet Gynecol** 1991 Jun;34(2):387–94 (18 ref.)

Laparoscopic treatment of ovarian endometriomas. Martin DC. **Clin Obstet Gynecol** 1991 Jun;34(2):452–9 (61 ref.)

Ectopic pregnancy. Nager CW, et al. **Clin Obstet Gynecol** 1991 Jun;34(2):403–11 (31 ref.)

Pelvic sidewall dissection. Reich H. **Clin Obstet Gynecol** 1991 Jun;34(2):412–22 (20 ref.)

Laparoscopic surgery. Gomel V, et al. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):303–11 (31 ref.)

Laparoscopic cholecystectomy. Soper NJ. **Curr Probl Surg** 1991 Sep;28(9):581–655 (82 ref.)

Minimal access surgery: the birth of a new era. Cuschieri A. **J R Coll Surg Edinb** 1990 Dec;35(6):345–7 (19 ref.)

Persistent ectopic pregnancy following laparoscopic linear salpingostomy. Seifer DB, et al. **Obstet Gynecol** 1990 Dec; 76(6):1121–5 (12 ref.)

Percutaneous endoscopic treatment of cholelithiasis. Griffith DP, et al. **Surg Endosc** 1990;4(3):141–8; discussion 149 (78 ref.)

STANDARDS

Conservative surgical treatment for severe endometriosis in infertile women: are we making progress? Candiani GB, et al. **Obstet Gynecol Surv** 1991 Jul;46(7):490–8 (91 ref.)

VETERINARY

Laparoscopic artificial insemination in sheep. Gourley DD, et al. **Vet Clin North Am Food Anim Pract** 1990 Nov; 6(3):615–33 (17 ref.)

Laparoscopy. Jones BD. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1243–63 (5 ref.)

Reproductive laparoscopy. Seager SW. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1369–75 (9 ref.)

PERITONEOVENOUS SHUNT

METHODS

[Peritoneovenous shunt in the treatment of ascites caused by a malignancy (published erratum appears in Ned Tijdschr Geneeskd 1991 Jun 29;135(26):1208)] Rietbroek RC, et al. **Ned Tijdschr Geneeskd** 1991 Jun 1;135(22):979–83 (25 ref.) **(Dut)**

PERITONEUM

ANATOMY & HISTOLOGY

Anatomy and physiology of the peritoneal membrane. Di Paolo N, et al. **Contrib Nephrol** 1990;84:10–26 (66 ref.)

PATHOLOGY

Low-grade immature teratomas with peritoneal gliomatosis; a case report. Gratama S, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 May 10; 39(3):235–41 (14 ref.)

PHYSIOLOGY

Is the peritoneal membrane durable indefinitely? Hallett MD, et al. **Adv Perit Dial** 1990;6:197–201 (25 ref.)

Anatomy and physiology of the peritoneal membrane. Di Paolo N, et al. **Contrib Nephrol** 1990;84:10–26 (66 ref.)

Pharmacologic modification of transperitoneal movement of water. Grzegorzewska AE. **Perit Dial Int** 1990;10(4):291–4 (38 ref.)

PHYSIOPATHOLOGY

Pathophysiology of ultrafiltration in peritoneal dialysis. Ronco C, et al. **Perit Dial Int** 1990;10(2):119–26 (43 ref.)

SURGERY

Pelvic sidewall dissection. Reich H. **Clin Obstet Gynecol** 1991 Jun;34(2):412–22 (20 ref.)

Conservative management of invasive rectal cancer: alternative to abdominoperineal resection. Minsky BD, et al. **Oncology (Williston Park)** 1989 May;3(5):137–42; discussion 142, 146–8 (37 ref.)

PERITONITIS

Host defense mechanisms in the peritoneal cavity of continuous ambulatory peritoneal dialysis patients. 2. Humoral defenses. Holmes C, et al. **Perit Dial Int** 1991; 11(2):112–7 (31 ref.)

[Spontaneous bacterial peritonitis] Pascual J, et al. **Enferm Infecc Microbiol Clin** 1989 Nov;7(9):491–500 (145 ref.) **(Spa)**

[Acute peritonitis. Etiopathogenic and therapeutic considerations] Quintana E, et al. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:12–5 (36 ref.) **(Spa)**

CHEMICALLY INDUCED

The hazards of surgical glove dusting powders. Ellis H. **Surg Gynecol Obstet** 1990 Dec;171(6):521–7 (89 ref.)

CLASSIFICATION

[Scoring systems for severe intra-abdominal infections] Krenzien J, et al. **Zentralbl Chir** 1990;115(17):1065–79 (59 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Disseminated, nonmeningeal gastrointestinal cryptococcal infection in an HIV-negative patient. Daly JS, et al. **Am J Gastroenterol** 1990 Oct;85(10):1421–4 (18 ref.)

Role of peritoneal inflammation in endometriosis-associated infertility. Halme J. **Ann N Y Acad Sci** 1991;622:266–74 (51 ref.)

[Non-clostridium anaerobic infections in abdominal surgery] Shevchuk MG, et al. **Klin Khir** 1991;(1):46–9 (56 ref.) **(Rus)**

DIAGNOSIS

[Encapsulating peritonitis. Report of 2 cases] el Allame L, et al. **J Chir (Paris)** 1990 Aug–Sep;127(8–9):416–9 (27 ref.) (Eng. Abstr.) **(Fre)**

[Possibilities of cytodiagnosis in ascites] Dirsch OR, et al. **Leber Magen Darm** 1991 May;21(3):108, 110, 113–5 (14 ref.) (Eng. Abstr.) **(Ger)**

[Diagnosis of early postoperative intra-abdominal complications] Kachurin VS, et al. **Vestn Khir** 1991 Jan; 146(1):134–6 (33 ref.) **(Rus)**

DRUG THERAPY

Treatment of intra-abdominal infections with quinolones. Smith JA. **Eur J Clin Microbiol Infect Dis** 1991 Apr; 10(4):330–3 (17 ref.)

CAPD peritonitis and fluoroquinolones: a review. Janknegt R. **Perit Dial Int** 1991;11(1):48, 53–8 (35 ref.)

Newer quinolones in the treatment of continuous ambulatory peritoneal dialysis (CAPD) related infections. Nikolaidis P. **Perit Dial Int** 1990;10(2):127–33 (64 ref.)
Pathogenesis and treatment of intra-abdominal infection. Malangoni MA. **Surg Gynecol Obstet** 1990;171 Suppl:31–4 (20 ref.)

ETIOLOGY

Peritoneal blastomycosis. Perez-Lasala G, et al. **Am J Gastroenterol** 1991 Mar;86(3):357–9 (10 ref.)
Starch peritonitis. A case report and clinicopathologic review. Klink B, et al. **Am Surg** 1990 Nov;56(11):672–4 (19 ref.)
CAPD-associated peritonitis: an immunological perspective on causes and interventions. Holmes CJ. **Contrib Nephrol** 1990;86:73–88; discussion 88–90 (47 ref.)
Oerskovia xanthineolytica implicated in peritonitis associated with peritoneal dialysis: case report and review of Oerskovia infections in humans. Rihs JD, et al. **J Clin Microbiol** 1990 Sep;28(9):1934–7 (12 ref.)
[Peritonitis with continuous ambulatory peritoneal dialysis. Status and future perspectives] Nielsen H, et al. **Ugeskr Laeger** 1991 Apr 8;153(15):1040–3 (30 ref.) (Eng. Abstr.) **(Dan)**
[Meconium peritonitis: diagnosis, etiology and treatment] Govaert P, et al. **Tijdschr Kindergeneeskd** 1991 Jun; 59(3):98–105 (40 ref.) (Eng. Abstr.) **(Dut)**
[Fatal maternal streptococcus A infection after cesarean section] Tanguy M, et al. **Ann Fr Anesth Reanim** 1990; 9(5):447–9 (15 ref.) (Eng. Abstr.) **(Fre)**
[Spontaneous bacterial peritonitis in cirrhotic patients] Richardet JP, et al. **Gastroenterol Clin Biol** 1991; 15(3):239–49 (160 ref.) **(Fre)**

IMMUNOLOGY

[The reticuloendothelial system of the liver in patients with peritonitis (diagnosis and correction of disorders)] Zhadkevich MM, et al. **Vestn Khir** 1990 Aug;145(8):149–53 (46 ref.) **(Rus)**

MICROBIOLOGY

Pneumococcal peritonitis complicating CAPD—was the indwelling intrauterine device to blame? Korzets A, et al. **Clin Nephrol** 1991 Jan;35(1):24–5 (13 ref.)
Catheter-associated biofilm. Holmes CJ. **Contrib Nephrol** 1990;85:49–56 (31 ref.)
Organisms causing peritonitis. Verbrugh HA. **Contrib Nephrol** 1990;85:39–48 (56 ref.)
Gram-positive infections related to CAPD. Williams JD, et al. **J Antimicrob Chemother** 1991 Apr;27 Suppl B:31–5 (26 ref.)
Bacterial translocation. Edmiston CE Jr, et al. **Surg Gynecol Obstet** 1991 Jul;173(1):73–83 (84 ref.)
[Spontaneous bacterial peritonitis in the cirrhotic patient] Ribera E, et al. **An Med Interna** 1991 Jun;8 Suppl 2:44–8 (5 ref.) **(Spa)**
[Spontaneous bacterial peritonitis caused by Listeria monocytogenes (letter)] Castellote J, et al. **Enferm Infecc Microbiol Clin** 1989 Jun–Jul;7(6):336 (7 ref.) **(Spa)**

PATHOLOGY

The interaction of organism, phagocyte and mesothelial cell. Stylianou E, et al. **Contrib Nephrol** 1990;85:30–8 (31 ref.)
Host defence in CAPD treatment: the effect of the dialysate on cell function. van Bronswijk H, et al. **Contrib Nephrol** 1990;85:67–72 (19 ref.)

PREVENTION & CONTROL

[Prevention of postoperative suppurative-inflammatory complications in gastrointestinal surgery] Gataullin NG, et al. **Khirurgiia (Mosk)** 1990 Sep;(9):160–3 (78 ref.) **(Rus)**

SURGERY

Surgical aspects of sclerosing encapsulating peritonitis. Kittur DS, et al. **Arch Surg** 1990 Dec;125(12):1626–8 (22 ref.)
[Right ileocolonic intubation after resection of the terminal ileum for generalized peritonitis caused by ileal perforation. An African experience with 33 cases] Ribault L, et al. **Chirurgie** 1990;116(2):216–27; discussion 227–8 (53 ref.) (Eng. Abstr.) **(Fre)**
[Laser irradiation of blood in surgery] Gostishchev VK, et al. **Khirurgiia (Mosk)** 1991 Jan;(1):121–5 (98 ref.) **(Rus)**

THERAPY

[The treatment of severe forms of diffuse suppurative peritonitis] Korukov B, et al. **Khirurgiia (Sofiia)** 1991; 44(3):57–60 (49 ref.) **(Bul)**
[Intra-abdominal sepsis: new therapeutic trends] García-Sabrido JL, et al. **Enferm Infecc Microbiol Clin** 1990 May;8(5):302–10 (86 ref.) **(Spa)**

VETERINARY

Perspectives on the epizootiology of feline enteric coronavirus and the pathogenesis of feline infectious peritonitis. Evermann JF, et al. **Vet Microbiol** 1991 Aug 15;28(3):243–55 (79 ref.)

PERITONSILLAR ABSCESS

COMPLICATIONS

[A tonsillolith] Cerný R. **Cesk Otolaryngol** 1990 Nov; 39(6):362–6 (11 ref.) (Eng. Abstr.) **(Cze)**

DIAGNOSIS

Peritonsillar abscess in Kawasaki disease. Rothfield RE, et al. **Int J Pediatr Otorhinolaryngol** 1990 Sep;20(1):73–9 (9 ref.)

PERIVENTRICULAR LEUKOMALACIA see **LEUKOMALACIA, PERIVENTRICULAR**

PERMEABILITY, CAPILLARY see **CAPILLARY PERMEABILITY**

PERMEABILITY, CELL MEMBRANE see **CELL MEMBRANE PERMEABILITY**

PERMEASES

CHEMISTRY

Ammonia movements in rhizobia. Glenn AR, et al. **Microbiol Sci** 1985 Jun;2(6):161–2, 165–7 (25 ref.)
The cellobiose permease of Escherichia coli consists of three proteins and is homologous to the lactose permease of Staphylococcus aureus. Reizer J, et al. **Res Microbiol** 1990 Nov-Dec;141(9):1061–7 (15 ref.)

CLASSIFICATION

Domain shuffling during evolution of the proteins of the bacterial phosphotransferase system. Saier MH Jr, et al. **Res Microbiol** 1990 Nov-Dec;141(9):1033–8 (22 ref.)

GENETICS

Towards an understanding of the structural basis of 'forbidden' transport pathways in the Escherichia coli lactose carrier: mutations probing the energy barriers to uncoupled transport. King SC, et al. **Mol Microbiol** 1990 Sep;4(9):1433–8 (28 ref.)
The melibiose carrier of Escherichia coli. Botfield MC, et al. **Res Microbiol** 1990 Mar-Apr;141(3):328–31 (9 ref.)
Evolution of permease diversity and energy-coupling mechanisms: an introduction. Saier MH Jr. **Res Microbiol** 1990 Mar-Apr;141(3):281–6 (8 ref.)

METABOLISM

Energy coupling in periplasmic permeases: the histidine permease as a model system. Ames GF. **Res Microbiol** 1990 Mar-Apr;141(3):341–8 (32 ref.)
The role of ATP as the energy source for maltose transport in Escherichia coli. Dean DA, et al. **Res Microbiol** 1990 Mar-Apr;141(3):348–52 (16 ref.)
The role of ATP in binding-protein-dependent transport systems. Higgins CF. **Res Microbiol** 1990 Mar-Apr; 141(3):353–60 (46 ref.)
Mechanism of sugar transport and phosphorylation via permeases of the bacterial phosphotransferase system: catalytic residues in the beta-glucoside-specific permease as defined by site-specific mutagenesis. Sutrina SL, et al. **Res Microbiol** 1990 Mar-Apr;141(3):368–74 (19 ref.)

PHYSIOLOGY

Bacterial periplasmic permeases belong to a family of transport proteins operating from Escherichia coli to human: Traffic ATPases. Ames GF, et al. **FEMS Microbiol Rev** 1990 Aug;6(4):429–46 (120 ref.)

PERONEAL NERVE

[A mucoid pseudo-cyst of the peripheral nerve. Apropos of a surgical case] Prevot J, et al. **Chir Pediatr** 1990; 31(3):181–4 (13 ref.) (Eng. Abstr.) **(Fre)**

PEROPERATIVE CARE see **INTRAOPERATIVE CARE**

PEROPERATIVE COMPLICATIONS see **INTRAOPERATIVE COMPLICATIONS**

PEROXIDASE-ANTIPEROXIDASE COMPLEX TECHNIQUE see **IMMUNOENZYME TECHNIQUES**

PEROXIDASE-LABELED ANTIBODY TECHNIQUE see **IMMUNOENZYME TECHNIQUES**

PEROXIDASES

METABOLISM

Ovothiols: biological and chemical perspectives. Shapiro BM, et al. **Adv Enzymol Relat Areas Mol Biol** 1991;64:291–316 (61 ref.)
Peroxidase induced metabolism and lipid peroxide scavenging by antitumor agents Kolodziejczyk P, et al. **Adv Exp Med Biol** 1990;264:323–38 (14 ref.)

PHYSIOLOGY

Salivary lysozyme, lactoferrin and peroxidases: antibacterial effects on cariogenic bacteria and clinical applications in preventive dentistry. Tenovuo J, et al. **Proc Finn Dent Soc** 1991;87(2):197–208 (85 ref.)

PEROXIDES

Highlights of current research involving superoxide and perhydroxyl radicals in aqueous solutions. Bielski BH, et al. **Int J Radiat Biol** 1991 Feb;59(2):291–319 (134 ref.)

PHARMACOLOGY

Interactions of oxidant stress and vascular reactivity. Gurtner GH, et al. **Am J Physiol** 1991 Apr;260(4 Pt 1):L207–11 (50 ref.)

PEROXISOMES see **MICROBODIES**

PERSISTENT FETAL CIRCULATION SYNDROME

Persistent pulmonary hypertension in the neonate. Paul VK, et al. **Indian Pediatr** 1990 Aug;27(8):841–7 (20 ref.)

DRUG THERAPY

Treatment of persistent pulmonary hypertension of the newborn: update. Abu-Osba YK. **Arch Dis Child** 1991 Jan; 66(1 Spec No):74–7 (56 ref.)

THERAPY

Persistent pulmonary hypertension of the newborn. Lister G. **Int J Technol Assess Health Care** 1991;7 Suppl 1:66–9 (20 ref.)

PERSISTENT PULMONARY HYPERTENSION OF NEWBORN see **PERSISTENT FETAL CIRCULATION SYNDROME**

PERSONAL EXPENDITURES see **FINANCING, PERSONAL**

PERSONAL LIABILITY see **LIABILITY, LEGAL**

PERSONALITY

Impact of orthognathic surgery on normal and abnormal personality dimensions: a 2-year follow-up study of 61 patients. Flanary CM, et al. **Am J Orthod Dentofacial Orthop** 1990 Oct;98(4):313–22 (58 ref.)
Psychosocial stress, personality and blood platelet behavior: implications for psychophysiologic and psychoneuroimmunologic research. Baltrusch HJ, et al. **Int J Neurosci** 1990 Apr;51(3–4):237–9 (4 ref.)
Is there a premorbid personality typical for Parkinson's disease? Paulson GW, et al. **Neurology** 1991 May;41(5 Suppl 2):73–6 (21 ref.)
A general model of consensus and accuracy in interpersonal perception. Kenny DA. **Psychol Rev** 1991 Apr;98(2):155–63 (28 ref.)
Benzodiazepine dependence, withdrawal severity, and clinical outcome: effects of personality. Rickels K, et al. **Psychopharmacol Bull** 1988;24(3):415–20 (15 ref.)
Behavioral genetics. Plomin R. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:165–80 (63 ref.)
[The psychosocial status of patients with endogenous eczema. A study using cluster analysis for the correlation of psychological factors with somatic findings] Gieler U, et al. **Hautarzt** 1990 Aug;41(8):416–23 (69 ref.) (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Anabolic-androgenic steroid-induced mental status changes. Katz DL, et al. **NIDA Res Monogr** 1990;102:215–23 (21 ref.)

PHYSIOLOGY

Reality testing, the self and the brain as modular distributed systems. Grigsby J, et al. **Psychiatry** 1991 Feb;54(1):39–54 (70 ref.)
Neuroscience, modularity and personality theory: conceptual foundations of a model of complex human functioning. Grigsby J, et al. **Psychiatry** 1991 Feb;54(1):21–38 (90 ref.)

PERSONALITY ASSESSMENT

Psychological assessment versus psychological testing. Validation from Binet to the school, clinic, and courtroom. Matarazzo JD. **Am Psychol** 1990 Sep;45(9):999–1017 (63 ref.)
Psychotherapy outcome studies do not accurately represent current models of psychotherapy. A proposed remedy. Persons JB. **Am Psychol** 1991 Feb;46(2):99–106 (65 ref.)
Diagnosis and clinical assessment. Widiger TA, et al. **Annu Rev Psychol** 1991;42:109–33 (135 ref.)
The rating of psychiatric impairment in forensic practice: a review. Mendelson G. **Aust N Z J Psychiatry** 1991 Mar; 25(1):84–94 (38 ref.)
The triple response approach to assessment: a conceptual and

methodological reappraisal. Eifert GH, et al. **Behav Res Ther** 1991;29(3):283–92 (47 ref.)
The Mortimer–Filkins test of problem drinking: a review of psychometric properties. Webb GR. **Br J Addict** 1990 Nov; 85(11):1491–4 (13 ref.)
Suicide risk assessment and prediction. Beck AT, et al. **Crisis** 1990 Nov;11(2):22–30 (43 ref.)
Suicide risk assessment and prediction in the 1990s. Clark DC. **Crisis** 1990 Nov;11(2):104–12 (36 ref.)
Methodological issues in the study of personality and psychiatric state in rheumatoid arthritis. Hnatiuk SH, et al. **Int J Psychiatry Med** 1990;20(3):293–306 (87 ref.)
Psychoimmunology and rheumatoid arthritis: concepts and methodologies. McFarlane AC, et al. **Int J Psychiatry Med** 1990;20(3):307–22 (83 ref.)
The next generation of moderator research in personality psychology. Chaplin WF. **J Pers** 1991 Jun;59(2):143–78 (79 ref.)
What is the TAT? A review of ten years of research. Keiser RE, et al. **J Pers Assess** 1990 Winter;55(3–4):800–3 (6 ref.)
What have surveys taught us about the teaching and practice of psychological assessment? Watkins CE Jr. **J Pers Assess** 1991 Jun;56(3):426–37 (100 ref.)
Youth suicide: risk factors, assessment, and treatment of adolescent and young adult suicidal patients. Blumenthal SJ. **Psychiatr Clin North Am** 1990 Sep;13(3):511–56 (252 ref.)
On the synthesis of information from psychological tests. Gallucci NT. **Psychol Rep** 1990 Dec;67(3 Pt 2):1243–60 (75 ref.)
[Theory and methods of clinical assessment of defense mechanisms] Küchenhoff J. **Psychother Psychosom Med Psychol** 1991 Jun;41(6):216–23 (27 ref.) (Eng. Abstr.) **(Ger)**

STANDARDS

Personality assessment of the prelingual, profoundly deaf child or adolescent. Cates JA, et al. **J Pers Assess** 1991 Feb;56(1):118–29 (46 ref.)

STATISTICS & NUMERICAL DATA

Karolinska Psychodynamic Profile. KAPP. Weinryb RM, et al. **Acta Psychiatr Scand Suppl** 1991;363:1–23 (69 ref.)
Structural equation modeling in clinical assessment research with children. Morris RJ, et al. **J Consult Clin Psychol** 1991 Jun;59(3):371–9 (53 ref.)
Personality assessment in suicide prediction. Eyman JR, et al. **Suicide Life Threat Behav** 1991 Spring;21(1):37–55 (65 ref.)

PERSONALITY DEVELOPMENT

see related
SOCIALIZATION

On the theory and practice of the Staabs' test. An overall view for diagnostic-therapeutic use. Altmann-Herz U. **Acta Paedopsychiatr** 1990;53(1):35–44 (43 ref.)
Between awakening and despair. The phenomenology and clinic of obstinacy. Bosch G. **Acta Paedopsychiatr** 1989; 52(3):197–203 (11 ref.)
Subcultural styles in adolescence. Brinkmann-Göbel R, et al. **Acta Paedopsychiatr** 1989;52(3):217–31 (32 ref.)
Psychiatric research and the exact science. Lempp R. **Acta Paedopsychiatr** 1989;52(3):204–8 (9 ref.)
Depression and moral identity in adolescence. Reinhard HG. **Acta Paedopsychiatr** 1990;53(2):104–25 (100 ref.)
Defending and coping in psychically disturbed adolescents. I. Theory, results of factor analysis. Reinhard HG. **Acta Paedopsychiatr** 1989;52(3):232–40 (31 ref.)
Cognitive theories of depression. Implications for the investigation of emotional disturbances in childhood and adolescence. Rulcovius G, et al. **Acta Paedopsychiatr** 1990; 53(1):62–70 (36 ref.)
The sense of adoption. Schulte MJ, et al. **Acta Paedopsychiatr** 1989;52(3):209–16 (25 ref.)
The cohesive self, the nuclear self, and development in late adolescence. Palombo J. **Adolesc Psychiatry** 1990;17:338–59 (40 ref.)
Adolescent substance abuse: practice implications. Wodarski JS. **Adolescence** 1990 Fall;25(99):667–88 (80 ref.)
Vulnerability and competence: a review of research on resilience in childhood. Luthar SS, et al. **Am J Orthopsychiatry** 1991 Jan;61(1):6–22 (105 ref.)
What children can tell us about living in danger. Garbarino J, et al. **Am Psychol** 1991 Apr;46(4):376–83 (33 ref.)
Evolutionary personality psychology. Buss DM. **Annu Rev Psychol** 1991;42:459–91 (140 ref.)
Understanding the culture and behaviour of East Asians--a Confucian perspective [see comments] Cheng SK. **Aust N Z J Psychiatry** 1990 Dec;24(4):510–5 (37 ref.) Comment in: Aust N Z J Psychiatry 1991 Mar;25(1):14–6.
The impact of television on children and clinical practice. Tonge BJ. **Aust N Z J Psychiatry** 1990 Dec;24(4):552–60 (65 ref.)
The development of dependence on smoking in children. McNeill AD. **Br J Addict** 1991 May;86(5):589–92 (14 ref.)
Drinking, the construction of ethnic identity and social process in a Western Australian youth subculture. Moore D. **Br J Addict** 1990 Oct;85(10):1265–78 (55 ref.)
Treatment of sexual abuse which occurred in childhood: a review. Cahill C, et al. **Br J Clin Psychol** 1991 Feb;30 (Pt 1):1–12 (31 ref.)
Concerning knowledge of mental states. Hobson RP. **Br J Med Psychol** 1990 Sep;63 (Pt 3):199–213 (55 ref.)
Instrumental narcissism in parents. Elkind D. **Bull Menninger Clin** 1991 Summer;55(3):299–307 (23 ref.)
Affect regulation and psychopathology: bridging the mind–body gap. Bradley SJ. **Can J Psychiatry** 1990 Aug; 35(6):540–7 (62 ref.)
Children's observations of violence: I. Critical issues in child development and intervention planning. Jaffe PG, et al. **Can J Psychiatry** 1990 Aug;35(6):466–70 (37 ref.)
Anorexia nervosa in adolescent males: a review and case study. Hamlett KW, et al. **Child Psychiatry Hum Dev** 1990 Winter;21(2):79–94 (46 ref.)
Prolegomena to a model of continuity and change in behavioural development. Caspi A. **Ciba Found Symp** 1991; 156:209–19; discussion 219–23 (46 ref.)
How a relationship between thinking and feeling may give rise to a variety of human behaviors. O'Connor BP. **Genet Soc Gen Psychol Monogr** 1991 Feb;117(1):29–48 (75 ref.)
The coming-out process for homosexuals. Martin HP. **Hosp Community Psychiatry** 1991 Feb;42(2):158–62 (46 ref.)
The relationship between child and adult psychopathology in children of alcoholics. Giglio JJ, et al. **Int J Addict** 1990 Mar;25(3):263–90 (74 ref.)
Orthogonal cultural identification theory: the cultural identification of minority adolescents. Oetting ER, et al. **Int J Addict** 1990–91;25(5A–6A):655–85 (40 ref.)
Amusement machine playing in childhood and adolescence: a comparative analysis of video games and fruit machines. Griffiths MD. **J Adolesc** 1991 Mar;14(1):53–73 (85 ref.)
Inpatient psychiatric treatment of children and adolescents: a review of outcome studies. Pfeiffer SI, et al. **J Am Acad Child Adolesc Psychiatry** 1990 Nov; 29(6):847–53 (52 ref.)
On internalization in group psychology: the group within. Scheidlinger S. **J Am Acad Psychoanal** 1990 Fall; 18(3):494–504 (41 ref.)
Developmental psychology and psychoanalysis: I. The context for a revolution in psychoanalysis. Leichtman M. **J Am Psychoanal Assoc** 1990;38(4):915–50 (120 ref.)
Infant observation re-viewed. Covington C. **J Anal Psychol** 1991 Jan;36(1):63–76 (16 ref.)
Prevention of psychiatric disorders in early childhood. McGuire J, et al. **J Child Psychol Psychiatry** 1991 Jan; 32(1):129–53 (100 ref.)
Have all won and must all have prizes? Revisiting Luborsky et al.'s verdict. Beutler LE. **J Consult Clin Psychol** 1991 Apr;59(2):226–32 (38 ref.)
Client-treatment interaction in the study of differential change processes. Shoham-Salomon V, et al. **J Consult Clin Psychol** 1991 Apr;59(2):217–25 (75 ref.)
Children on the stand: the obligation to speak the truth. Burton RV, et al. **J Dev Behav Pediatr** 1991 Apr; 12(2):121–8 (66 ref.)
Psychosocial risk and protective factors in childhood [see comments] Pellegrini DS. **J Dev Behav Pediatr** 1990 Aug; 11(4):201–9 (87 ref.) Comment in: J Dev Behav Pediatr 1990 Aug;11(4):210–1.
Boy-lovers and their influence on boys: distorted research and anecdotal observations. Brongersma E. **J Homosex** 1990;20(1–2):145–73 (110 ref.)
Cognitive-perceptual theory and the projective use of autobiographical memory. Bruhn AR. **J Pers Assess** 1990 Fall;55(1–2):95–114 (16 ref.)
Assessment of adult relatedness: a review of empirical findings from object relations and attachment theories. Fishler PH, et al. **J Pers Assess** 1990 Winter; 55(3–4):499–520 (60 ref.)
Women, alcohol and incest: an analytical review. Hurley DL. **J Stud Alcohol** 1991 May;52(3):253–68 (100 ref.)
Psychology of acculturation. Berry JW. **Nebr Symp Motiv** 1989;37:201–34 (42 ref.)
Family and socialization in cross-cultural perspective: a model of change. Kağitçibaşi C. **Nebr Symp Motiv** 1989; 37:135–200 (250 ref.)
Adolescent anger control: review and critique. Feindler EL. **Prog Behav Modif** 1990;26:11–59 (120 ref.)
Adolescent problem behaviors: the influence of attachment and autonomy. Allen JP, et al. **Psychiatr Clin North Am** 1990 Sep;13(3):455–67 (75 ref.)
Youth suicide: risk factors, assessment, and treatment of adolescent and young adult suicidal patients. Blumenthal SJ. **Psychiatr Clin North Am** 1990 Sep;13(3):511–56 (252 ref.)
Feeling states during adolescence. Golombek H, et al. **Psychiatr Clin North Am** 1990 Sep;13(3):443–54 (21 ref.)
Paths of adolescent ego development: links with family life and individual adjustment. Hauser ST, et al. **Psychiatr Clin North Am** 1990 Sep;13(3):489–510 (19 ref.)
Cognitive-developmental systems theory in pervasive developmental disorders. Miller A. **Psychiatr Clin North Am** 1991 Mar;14(1):141–63 (53 ref.)
Adolescence and eating disorder: the obsessive–compulsive syndrome. Rothenberg A. **Psychiatr Clin North Am** 1990 Sep;13(3):469–88 (78 ref.)
Creativity in adolescence. Rothenberg A. **Psychiatr Clin North Am** 1990 Sep;13(3):415–34 (53 ref.)
Psychosis and adolescence. The relation of intrapsychic structure formation and change to action and task. Schwartz DP. **Psychiatr Clin North Am** 1990 Sep; 13(3):401–14 (22 ref.)
Social deviance in autism: a central integrative failure as a model for social nonengagement. Shapiro T, et al. **Psychiatr Clin North Am** 1991 Mar;14(1):19–32 (53 ref.)
The Parental Bonding Instrument: psychometric properties reviewed. Parker G. **Psychiatr Dev** 1989 Winter;7(4):317–35 (39 ref.)
A critical analysis of the co-dependence construct. Haaken J. **Psychiatry** 1990 Nov;53(4):396–406 (34 ref.)
Attachment and separateness. A dialectic model of the products and processes of development throughout the life cycle. Blatt SJ, et al. **Psychoanal Study Child** 1990; 45:107–27 (52 ref.)
The development and functioning of the sense of shame. Yorke C, et al. **Psychoanal Study Child** 1990;45:377–409 (74 ref.)
The affective organization of parenting: adaptive and maladaptive processes. Dix T. **Psychol Bull** 1991 Jul; 110(1):3–25 (235 ref.)
Marital conflict and children's adjustment: a cognitive-contextual framework. Grych JH, et al. **Psychol Bull** 1990 Sep;108(2):267–90 (150 ref.)
Do parent–child relationships change during puberty? Paikoff RL, et al. **Psychol Bull** 1991 Jul;110(1):47–66 (180 ref.)
Tyranny of the obsessional character. Grumet GW. **Psychol Rep** 1991 Feb;68(1):71–93 (80 ref.)
Significance and importance of the psychotherapist's personality and experience. Knobel M. **Psychother Psychosom** 1990;53(1–4):58–63 (21 ref.)
[The psychoanalyst and the development of mental representations] Lebovici S. **Psychiatr Enfant** 1990; 33(2):325–64 (30 ref.) (Eng. Abstr.) **(Fre)**
[Human ontogenesis from a behavioral biological viewpoint] Tembrock G. **Arztl Jugendkd** 1990;81(5):424–9 (9 ref.) (Eng. Abstr.) **(Ger)**
[Psychological development in chronic disease and disability] Steinhausen HC. **Monatsschr Kinderheilkd** 1990 Oct; 138(10):646–50 (8 ref.) (Eng. Abstr.) **(Ger)**
[Self psychology: a post-Kohut overview] Gedo JE. **Psyche (Stuttg)** 1991 Jan;45(1):1–16 (35 ref.) **(Ger)**
[Psychoanalytic observations on musical creativity] Rauchfleisch U. **Psyche (Stuttg)** 1990 Dec;44(12):1113–40 (60 ref.) (Eng. Abstr.) **(Ger)**
[Pain and pain perception] Kmietzyk HJ. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Aug; 42(8):508–11 (12 ref.) (Eng. Abstr.) **(Ger)**
[Changes of the family in the 20th century] Haag A. **Psychother Psychosom Med Psychol** 1990 Sep–Oct; 40(9–10):351–6 (24 ref.) (Eng. Abstr.) **(Ger)**
[Theory and methods of clinical assessment of defense mechanisms] Küchenhoff J. **Psychother Psychosom Med Psychol** 1991 Jun;41(6):216–23 (27 ref.) (Eng. Abstr.) **(Ger)**
[Psychosomatics of the family today] Stierlin H. **Psychother Psychosom Med Psychol** 1990 Sep–Oct; 40(9–10):357–62 (10 ref.) (Eng. Abstr.) **(Ger)**
[Future research perspectives of a psychoanalytical gerontopsychophysiology--personality and the aging process] Heuft G. **Z Gerontol** 1990 Sep–Oct;23(5):262–6 (45 ref.) (Eng. Abstr.) **(Ger)**
[Presentation of violence in the media and its effects on children and adolescents] Selg H. **Z Kinder Jugendpsychiatr** 1990 Sep;18(3):152–6 (29 ref.) **(Ger)**
[The "daughterly" existence. Unanswered questions about the female Oedipus complex] Rohde-Dachser C. **Z Psychosom Med Psychoanal** 1990;36(4):303–15 (40 ref.) (Eng. Abstr.) **(Ger)**

PERSONALITY DISORDER, ANTISOCIAL see **ANTISOCIAL PERSONALITY DISORDER**

PERSONALITY DISORDER, BORDERLINE see **BORDERLINE PERSONALITY DISORDER**

PERSONALITY DISORDER, SCHIZOTYPAL see **SCHIZOTYPAL PERSONALITY DISORDER**

PERSONALITY DISORDERS

COMPLICATIONS

Impact of orthognathic surgery on normal and abnormal personality dimensions: a 2-year follow-up study of 61 patients. Flanary CM, et al. **Am J Orthod Dentofacial Orthop** 1990 Oct;98(4):313–22 (58 ref.)
Effect of personality disorders on outcome of treatment. Reich JH, et al. **J Nerv Ment Dis** 1991 Feb;179(2):74–82 (36 ref.)

DIAGNOSIS

Karolinska Psychodynamic Profile. KAPP. Weinryb RM, et al. **Acta Psychiatr Scand Suppl** 1991;363:1–23 (69 ref.)
Antisocial behavior and personality disorders. Svrakic DM, et al. **Am J Psychother** 1991 Apr;45(2):181–97 (64 ref.)
Chronic depression. Akiskal HS. **Bull Menninger Clin** 1991 Spring;55(2):156–71 (75 ref.)
Personality disorder in the elderly. Kroessler D. **Hosp Community Psychiatry** 1990 Dec;41(12):1325–9 (48 ref.)
The Millon Clinical Multiaxial Inventory (MCMI): a review.

Wetzler S. **J Pers Assess** 1990 Winter;55(3–4):445–64 (53 ref.)
The relationship between panic disorder/agoraphobia and personality disorders. Mavissakalian M. **Psychiatr Clin North Am** 1990 Dec;13(4):661–84 (44 ref.)

ETIOLOGY

The Geschwind syndrome. Benson DF. **Adv Neurol** 1991; 55:411–21 (60 ref.)
Psychological disorders in rheumatoid arthritis: a growing consensus? Creed F. **Ann Rheum Dis** 1990 Oct; 49(10):808–12 (46 ref.)

GENETICS

Human behavioral genetics. Plomin R, et al. **Annu Rev Psychol** 1991;42:161–90 (210 ref.)

PSYCHOLOGY

The prediction of suicide [see comments] Davis AT, et al. **Med J Aust** 1990 Nov 5;153(9):552–4 (26 ref.) Comment in: Med J Aust 1991 Feb 4;154(3):218.
[Dialectic and psychiatry] Dörr-Zeggers O. **Acta Psiquiatr Psicol Am Lat** 1990 Jul–Dec;36(3–4):111–23 (50 ref.) (Eng. Abstr.) **(Spa)**

REHABILITATION

Pre- and postoperative rehabilitation related to epilepsy surgery. Silfvenius H. **Acta Neurochir Suppl (Wien)** 1990; 50:100–6 (64 ref.)

THERAPY

The psychotherapies in the context of new developments in the neurosciences and biological psychiatry. Gottschalk LA. **Am J Psychother** 1990 Jul;44(3):321–39 (111 ref.)
Cognitive-behavioral approaches to personality disorders. Fleming B, et al. **Prog Behav Modif** 1990;25:119–51 (80 ref.)
[Multiple psychotherapy--how many therapists are needed?] Langegger F. **Schweiz Arch Neurol Psychiatr** 1990; 141(6):557–66 (60 ref.) (Eng. Abstr.) **(Ger)**

PERSONALITY INVENTORY

The PQRSTUV: the Personal Questionnaire Rapid Scaling Technique--'Ultimate Version'. Chalkley AJ, et al. **Br J Clin Psychol** 1991 May;30 (Pt 2):181–3 (9 ref.)
The Millon Clinical Multiaxial Inventory (MCMI): a review. Wetzler S. **J Pers Assess** 1990 Winter;55(3–4):445–64 (53 ref.)
[Is early differentiation of psychogenic from organic pain patients possible? Review of the literature and results of a screening study] Egle UT, et al. **Nervenarzt** 1991 Mar; 62(3):148–57 (62 ref.) **(Ger)**

PERSONALITY TESTS

A psychoanalytic view of the Rorschach Comprehensive System "special scores". Meloy JR, et al. **J Pers Assess** 1991 Apr;56(2):202–17 (55 ref.)
The Depressive Experiences Questionnaire: a critical review. Viglione DJ Jr, et al. **J Pers Assess** 1990 Fall;55(1–2):52–64 (22 ref.)
The impact of criteria selection on prevalence rates. Burvill PW. **Psychiatr J Univ Ott** 1990 Nov;15(4):194–9 (38 ref.)

STATISTICS & NUMERICAL DATA

How normal are anxiety and fear? Hodiamont P. **Int J Soc Psychiatry** 1991 Spring;37(1):43–50 (24 ref.)
The Attention Deficit Disorders Evaluation Scale. Adesman AR. **J Dev Behav Pediatr** 1991 Feb;12(1):65–6 (4 ref.)
Questionnaires in behavioral pediatrics: guidelines for selection and use [see comments] Eisert DC, et al. **J Dev Behav Pediatr** 1991 Feb;12(1):42–50 (51 ref.) Comment in: J Dev Behav Pediatr 1991 Feb;12(1):51–4.
The Parental Bonding Instrument: psychometric properties reviewed. Parker G. **Psychiatr Dev** 1989 Winter;7(4):317–35 (39 ref.)
Psychiatric rating scales in diagnostic assessment and clinical treatment. Altman E, et al. **Psychiatr Med** 1991; 9(1):189–211 (53 ref.)
Measurement of psychological distress and well-being. Bech P. **Psychother Psychosom** 1990;54(2–3):77–89 (52 ref.)
Measuring the social dimension of subjective health in chronic illness. Siegrist J, et al. **Psychother Psychosom** 1990; 54(2–3):90–8 (32 ref.)

PERSONALITY TYPE A see **TYPE A PERSONALITY**

PERSONNEL, HOSPITAL

Management of allergic contact dermatitis due to rubber gloves in health and hospital personnel. Fisher AA. **Cutis** 1991 May;47(5):301–2 (12 ref.)
Precautions and testing in pediatric HIV infection: issues for emergency department personnel. Crain EF, et al. **Pediatr Emerg Care** 1991 Jun;7(3):177–81 (44 ref.)

PSYCHOLOGY

Clinical judgments in pain management. Lander J. **Pain** 1990 Jul;42(1):15–22 (50 ref.)

PERSONNEL MANAGEMENT

Promotion and tenure of women and minorities on medical school faculties. The American College of Physicians. **Ann Intern Med** 1991 Jan 1;114(1):63–8 (46 ref.)
Production control and chronic stress in work organizations. Houben GJ. **Int J Health Serv** 1991;21(2):309–27 (133 ref.)
[Qualitative and quantitative personnel planning] Opderbecke HW, et al. **Klin Anasthesiol Intensivther** 1990;38:384–97 (17 ref.) **(Ger)**

PERSONNEL RECRUITMENT see **PERSONNEL SELECTION**

PERSONNEL SELECTION

METHODS

[Genetic aspects of man's adaptation to long-term space flight] Delone NL, et al. **Kosm Biol Aviakosm Med** 1991 Mar–Apr;25(2):10–5 (50 ref.) (Eng. Abstr.) **(Rus)**

PERTHES DISEASE see **LEGG-PERTHES DISEASE**

PERTUSSIGEN see **PERTUSSIS TOXINS**

PERTUSSIS see **WHOOPING COUGH**

PERTUSSIS TOXINS

PHARMACOLOGY

Pertussis toxin-sensitive G-proteins: participation in the modulation of voltage-dependent Ca2+ channels by hormones and neurotransmitters. Rosenthal W, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:89–94 (28 ref.)
Bacterial toxins as probe for receptor-Gi coupling. Ui M, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:63–9 (13 ref.)
Activation of inositol phospholipid-specific phospholipase C by P2-purinergic receptors in human phagocytic leukocytes. Role of pertussis toxin-sensitive G proteins. Dubyak GR, et al. **Ann N Y Acad Sci** 1990;603:227–44; discussion 244–5 (25 ref.)

PERTUSSIS VACCINE

Pertussis in developing countries: definition of the problem and prospects for control. Wright PF. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S528–34 (29 ref.)

PERVASIVE CHILD DEVELOPMENT DISORDERS see **CHILD DEVELOPMENT DISORDERS, PERVASIVE**

PERYLENE

ANALOGS & DERIVATIVES

Hypocrellins and their use in photosensitization. Zhenjun D, et al. **Photochem Photobiol** 1990 Sep;52(3):609–16 (68 ref.)

PES CAVUS see **FOOT DEFORMITIES**

PES PLANUS see **FLATFOOT**

PESSARIES, INTRACERVICAL see **INTRAUTERINE DEVICES**

PESSARIES, INTRAUTERINE see **INTRAUTERINE DEVICES**

PEST CONTROL

Avermectins, a novel class of compounds: implications for use in arthropod pest control. Lasota JA, et al. **Annu Rev Entomol** 1991;36:91–117 (133 ref.)
Establishment of the Mediterranean fruit fly in California. Carey JR. **Science** 1991 Sep 20;253(5026):1369–73 (16 ref.)

METHODS

The role of helminths in the biological control of mammals. Spratt DM. **Int J Parasitol** 1990 Jul;20(4):543–50 (64 ref.)

PEST CONTROL, BIOLOGICAL

Viral and bacterial pathogens of insects. Crook NE, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:91S–96S (37 ref.)

METHODS

Synthesis of antifeedants for insects: novel behaviour-modifying chemicals from plants. Ley SV. **Ciba Found Symp** 1990;154:80–7; discussion 87–98 (20 ref.)

PESTICIDE RESIDUES

Toxaphene: chemistry, biochemistry, toxicity and environmental fate. Saleh MA. **Rev Environ Contam Toxicol** 1991;118:1–85 (304 ref.)

ADVERSE EFFECTS

[Impact of vector control on the aquatic environment] Lévêque C. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:119–24 (14 ref.) (Eng. Abstr.) **(Fre)**
[New experiences strengthen the connection between dioxins, phenoxy acids and malignant tumors] Eriksson M, et al. **Lakartidningen** 1991 Jun 12;88(24):2210–1 (23 ref.) **(Swe)**

ANALYSIS

Focus on toxicological aspects of pesticide chemical interaction in drinking water contamination. Cova D, et al. **Ecotoxicol Environ Safety** 1990 Dec;20(3):234–40 (29 ref.)
Immunoassay of pesticides. Kaufman BM, et al. **J Assoc Off Anal Chem** 1991 Mar–Apr;74(2):239–47 (75 ref.)
Organochlorine pesticides and polychlorinated biphenyls in human adipose tissue. Kutz FW, et al. **Rev Environ Contam Toxicol** 1991;120:1–82 (153 ref.)
Pesticide residues in food crops analyzed by the California Department of Food and Agriculture in 1989. Okumura D, et al. **Rev Environ Contam Toxicol** 1991;118:87–151 (24 ref.)
Pesticide residues in foods imported into the United States. Wessel JR, et al. **Rev Environ Contam Toxicol** 1991; 120:83–104 (28 ref.)

PESTICIDES

ADVERSE EFFECTS

Neurotoxic concerns of human pesticide exposures. Davies JE. **Am J Ind Med** 1990;18(3):327–31 (16 ref.)
Historical patterns of pesticide epidemiology research from 1945 to 1988 [see comments] Levine RS, et al. **Epidemiology** 1990 Mar;1(2):181–4 (65 ref.) Comment in: Epidemiology 1990 Mar;1(2):97–8.
Toxicological-hygienic requirements for study, registration, and regulations of pesticides in the USSR. Kagan YuS. **Rev Environ Contam Toxicol** 1991;117:95–126 (82 ref.)
[Pesticide-induced pulmonary fibrosis] Barthel E. **Z Gesamte Inn Med** 1990 Oct 1;45(19):587–9 (50 ref.) (Eng. Abstr.) **(Ger)**
[Effects of pesticides on health (review)] Pavlov AV, et al. **Gig Sanit** 1991 Apr;(4):60–3 (49 ref.) **(Rus)**
[Medico-biological aspects of the problem of preventing the harmful action of pesticides] Kagan IuS. **Vestn Akad Med Nauk SSSR** 1991;(1):47–51 (32 ref.) (Eng. Abstr.) **(Rus)**

ANALYSIS

Monitoring groundwater and well water for crop protection chemicals. Graham JA. **Anal Chem** 1991 Jun 1; 63(11):613A–622A (39 ref.)
Fish consumption advisories: toward a unified, scientifically credible approach. Dourson ML, et al. **Regul Toxicol Pharmacol** 1990 Oct;12(2):161–78 (26 ref.)

METABOLISM

Microbial transformations of herbicides and pesticides. Cork DJ, et al. **Adv Appl Microbiol** 1991;36:1–66 (149 ref.)

POISONING

Poisoning by some insecticides, herbicides and fungicides. Mahieu P, et al. **Acta Clin Belg Suppl** 1990;13:75–85 (22 ref.)

TOXICITY

Are pesticides immunotoxic? Botham PA. **Adverse Drug React Acute Poisoning Rev** 1990 Summer; 9(2):91–101 (43 ref.)

PET-HUMAN BONDING see **BONDING, HUMAN-PET**

PET SCAN see **TOMOGRAPHY, EMISSION-COMPUTED**

PETECHIAE see **PURPURA**

PETIT MAL STATUS see **STATUS EPILEPTICUS**

PETRIELLIDIUM see **PSEUDALLESCHERIA**

PETROLEUM

Controlled marine ecosystems in the investigation of oil biodegradation at sea. Bertrand JC. **Microbiol Sci** 1986 Jul; 3(7):197–200 (31 ref.)

PETROUS BONE

Lesions of the petrous apex. Gianoli GJ, et al. **J La State Med Soc** 1990 Oct;142(10):13–6 (12 ref.)
[Infratemporal extension of tumors of the skull base] Sterkers O, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(2):83–6 (16 ref.) (Eng. Abstr.) **(Fre)**
[Congenital cholesteatoma of the petrous bone. Etiopathogenic discussions apropos of 11 cases] Cannoni M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1989;110(1):33–42 (30 ref.) (Eng. Abstr.) **(Fre)**
[Radiation-induced sarcoma, apropos of a case with cervical and intrapetrous development] Darrouzet V, et al.

Rev Laryngol Otol Rhinol (Bord) 1990;111(3):247–50 (14 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Facial nerve and medially invasive petrous bone cholesteatomas. Bartels LJ. **Ann Otol Rhinol Laryngol** 1991 Apr;100(4 Pt 1):308–16 (12 ref.)

Cavernous hemangioma of the internal auditory meatus. Madden GJ, et al. **J Otolaryngol** 1990 Aug;19(4):288–91 (8 ref.)

PETROUS PYRAMID see **PETROUS BONE**

PETS see **ANIMALS, DOMESTIC**

PEUTZ–JEGHERS SYNDROME

COMPLICATIONS

[Peutz–Jeghers syndrome. Description of a case and literature review] Mendes da Costa P, et al. **Acta Gastroenterol Belg** 1990 Mar–Apr;53(2):180–7 (44 ref.) (Eng. Abstr.) **(Fre)**

PEYER'S PATCHES

IMMUNOLOGY

Are Peyer's patch germinal centre reactions different from those occurring in other lymphoid tissues? Cebra JJ, et al. **Res Immunol** 1991 Mar–Apr;142(3):222–6 (19 ref.)

[Intestinal immune system] Hess G. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):216–31 (77 ref.) (Eng. Abstr.) **(Ger)**

PEYOTE see **MESCALINE**

PEYRONIE'S DISEASE see **PENILE INDURATION**

PF 4 see **PLATELET FACTOR 4**

PGE1 see **ALPROSTADIL**

PGE2 see **DINOPROSTONE**

PGE2ALPHA see **DINOPROSTONE**

PGF2 see **DINOPROST**

PGF2ALPHA see **DINOPROST**

PGH SYNTHASE see **PROSTAGLANDIN SYNTHASE**

PGP-1 ANTIGEN see **RECEPTORS, LYMPHOCYTE HOMING**

PH see **HYDROGEN-ION CONCENTRATION**

PH1 CHROMOSOME see **PHILADELPHIA CHROMOSOME**

PHAGE LAMBDA

GENETICS

Bacteriophage lambda DNA maturation and packaging. Murialdo H. **Annu Rev Biochem** 1991;60:125–53 (151 ref.)

Expression of animal and human retroviral gene products in Escherichia coli with the lambda PL promoter pJL6 vector system. Samuel KP, et al. **Genet Anal Tech Appl** 1990 Nov;7(7):178–208 (108 ref.)

ULTRASTRUCTURE

Mechanism of length determination in bacteriophage lambda tails. Katsura I. **Adv Biophys** 1990;26:1–18 (39 ref.)

PHAGE MU 2 see **RNA PHAGES**

PHAGE PHI X 174

GENETICS

The discovery of a single-stranded, circular DNA genome. Sinsheimer RL. **Bioessays** 1991 Feb;13(2):89–91 (12 ref.)

PHAGE RECEPTORS see **RECEPTORS, VIRUS**

PHAGE TYPING see **BACTERIOPHAGE TYPING**

PHAGES, RNA see **RNA PHAGES**

PHAGES T see **T-PHAGES**

PHAGOCYTE BACTERICIDAL DYSFUNCTION

Defects in neutrophils: an overview. Sim TC, et al. **Allergy Proc** 1991 Jan–Feb;12(1):31–6 (34 ref.)

ETIOLOGY

[The reticuloendothelial system of the liver in patients with peritonitis (diagnosis and correction of disorders)] Zhadkevich MM, et al. **Vestn Khir** 1990 Aug;145(8):149–53 (46 ref.) **(Rus)**

PHAGOCYTES

CHEMISTRY

Application of spin trapping to human phagocytic cells: insight into conditions for formation and limitation of hydroxyl radical. Cohen MS, et al. **Free Radic Res Commun** 1991;12–13 Pt 1:17–25 (27 ref.)

CYTOLOGY

The third glial cell type, the microglia: cellular markers of activation in situ. Graeber MB, et al. **Acta Histochem Suppl** 1990;38:157–60 (17 ref.)

DRUG EFFECTS

The effect of antibiotics on the function of the phagocytic system. Miler I, et al. **Padiatr Grenzgeb** 1990;29(5):377–85 (48 ref.)

ENZYMOLOGY

Components of the microbicidal oxidase of phagocytes. Segal AW. **Biochem Soc Trans** 1991 Feb;19(1):49–50 (19 ref.)

IMMUNOLOGY

Intracellular pathogens and professional phagocytes in reactive arthritis. Wuorela M, et al. **Pathobiology** 1991; 59(3):162–5 (39 ref.)

Heat shock proteins: an autoprotective mechanism for inflammatory cells? Kantengwa S, et al. **Semin Immunol** 1991 Jan;3(1):49–56 (54 ref.)

METABOLISM

The generation of reactive oxygen-derived species by phagocytes. Bergstrand H. **Agents Actions Suppl** 1990; 30:199–211 (41 ref.)

Assessment of the roles of vitamin C, vitamin E, and beta-carotene in the modulation of oxidant stress mediated by cigarette smoke-activated phagocytes. Anderson R. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):358S–361S (39 ref.)

How do animal phagocytes process bacterial lipopolysaccharides? Munford RS. **APMIS** 1991 Jun; 99(6):487–91 (34 ref.)

Interactions between antibiotics and phagocytosis in bacterial killing. Van der Auwera P. **Scand J Infect Dis Suppl** 1990; 74:42–8 (43 ref.)

MICROBIOLOGY

Implications for persistent chlamydial infections of phagocyte–microorganism interplay. Sarov I, et al. **Eur J Clin Microbiol Infect Dis** 1991 Feb;10(2):119–23 (57 ref.)

PARASITOLOGY

Strategies of obligate intracellular parasites for evading host defences. Hall BF, et al. **Immunol Today** 1991 Mar; 12(3):A22–7 (86 ref.)

PATHOLOGY

Mechanisms of granulomatous inflammation. Epstein WL, et al. **Immunol Ser** 1989;46:687–721 (172 ref.)

PHYSIOLOGY

Activation of inositol phospholipid-specific phospholipase C by P2-purinergic receptors in human phagocytic leukocytes. Role of pertussis toxin-sensitive G proteins. Dubyak GR, et al. **Ann N Y Acad Sci** 1990;603:227–44; discussion 244–5 (25 ref.)

Effects of extracellular ATP on mononuclear phagocytes. Steinberg TH, et al. **Ann N Y Acad Sci** 1990;603:120–9 (26 ref.)

Biosynthesis and biological activity of leukotriene B4. Borgeat P, et al. **Clin Biochem** 1990 Oct;23(5):459–68 (97 ref.)

The interaction of organism, phagocyte and mesothelial cell. Stylianou E, et al. **Contrib Nephrol** 1990;85:30–8 (31 ref.)

Host defence in CAPD treatment: the effect of the dialysate on cell function. van Bronswijk H, et al. **Contrib Nephrol** 1990;85:67–72 (19 ref.)

Bacteria–phagocyte interactions: emerging tactics in an ancient rivalry. Cross AS, et al. **FEMS Microbiol Immunol** 1990 Dec;2(5–6):245–58 (83 ref.)

Nutritional modulation of phagocyte function with special emphasis on the newborn. Harris MC, et al. **Indian J Pediatr** 1990 Mar–Apr;57(2):147–58 (62 ref.)

Regulation of cutaneous wound healing by growth factors and the microenvironment. Knighton DR, et al. **Invest Radiol** 1991 Jun;26(6):604–11 (72 ref.)

[The role of phagocytic cells in periodontal disease] Matarasso S, et al. **Minerva Stomatol** 1991 Apr;40(4):203–10 (15 ref.) (Eng. Abstr.) **(Ita)**

[Pathogenetic principles of the diagnosis of chronic inflammation] Maianskiĭ DN. **Vestn Akad Med Nauk SSSR** 1991;(3):50–5 (32 ref.) (Eng. Abstr.) **(Rus)**

[Immunopathology of AIDS: involvement of phagocytic cells in HIV infection] Estévez ME, et al. **Medicina (B Aires)** 1989;49(6):615–20 (53 ref.) **(Spa)**

SECRETION

Indices of inflammatory activity in CB and COAD. Phagocyte secretion and chemotaxis. Venge P, et al. **Agents Actions Suppl** 1990;30:219–28 (10 ref.)

Proteinases secreted by human mononuclear phagocytes. Shapiro SD, et al. **J Rheumatol Suppl** 1991 Feb;27:95–8 (15 ref.)

PHAGOCYTOSIS

Seasonal variation in the phagocytic activity and arachidonic-acid metabolism of human blood monocytes in healthy non-smokers, smokers and chronic bronchitics. Linden M, et al. **Agents Actions Suppl** 1990;30:121–32 (19 ref.)

Increased susceptibility of malaria-infected variant erythrocytes to the mononuclear phagocyte system [see comments] Yuthavong Y, et al. **Blood Cells** 1990; 16(2–3):591–7 (48 ref.) Comment in: Blood Cells 1990;16(2–3):598–601. Comment in: Blood Cells 1990;16(2–3):602–4.

Role of tumor necrosis factor and colony-stimulating factors in phagocyte function against Candida albicans. Djeu JY. **Diagn Microbiol Infect Dis** 1990 Sep–Oct;13(5):383–6 (14 ref.)

Immunological aspects of fungal pathogenesis. Deepe GS, et al. **Eur J Clin Microbiol Infect Dis** 1990 Aug;9(8):567–79 (134 ref.)

Bacteria–phagocyte interactions: emerging tactics in an ancient rivalry. Cross AS, et al. **FEMS Microbiol Immunol** 1990 Dec;2(5–6):245–58 (83 ref.)

Diagnostic evaluation of phagocytic function. Virella G. **Immunol Ser** 1990;50:323–40 (6 ref.)

Photosynthetic phagotrophy of Chrysophyceae: evolutionary aspects. Ishida Y, et al. **Microbiol Sci** 1986 May;3(5):132–5 (16 ref.)

Phagocytosis and heat shock response in human monocytes–macrophages. Donati YR, et al. **Pathobiology** 1991;59(3):156–61 (36 ref.)

[Lysosomal cationic proteins in neutrophilic granulocytes during phagocytosis and inflammation] Kokriakov VN. **Vopr Med Khim** 1990 Nov–Dec;36(6):13–6 (37 ref.) (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Interactions between antibiotics and phagocytosis in bacterial killing. Van der Auwera P. **Scand J Infect Dis Suppl** 1990; 74:42–8 (43 ref.)

IMMUNOLOGY

Rosetting, phagocytosis and immune red cell damage. Zupańska B. **Clin Lab Haematol** 1990;12(3):309–20 (39 ref.)

Complement receptors and phagocytosis. Brown EJ. **Curr Opin Immunol** 1991 Feb;3(1):76–82 (46 ref.)

[Cellular-metabolic interactions between the phagocytic system and blood lipoproteins in respiratory diseases] Iakovleva OA. **Probl Tuberk** 1990;(10):70–3 (57 ref.) **(Rus)**

[The reticuloendothelial system of the liver in patients with peritonitis (diagnosis and correction of disorders)] Zhadkevich MM, et al. **Vestn Khir** 1990 Aug;145(8):149–53 (46 ref.) **(Rus)**

PHYSIOLOGY

Macrophage function and surgery. A clinical review with special reference to phagocytosis. Athlin L, et al. **Eur J Surg** 1991 Mar;157(3):163–70 (83 ref.)

Perioperative nutritional support: immunologic defects. Christou N. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct; 14(5 Suppl):186S–192S (116 ref.)

Functional morphology of the tracheobronchial tree and the lung periphery. Eckert H. **Z Erkr Atmungsorgane** 1991; 176(2–3):87–90 (7 ref.)

PHAGOLYSOSOMES see **PHAGOSOMES**

PHAGOSOMES

see related
PHAGOCYTOSIS

METABOLISM

The phagosome–lysosome membrane system and its regulation in Paramecium. Fok AK, et al. **Int Rev Cytol** 1990;123:61–94 (99 ref.)

PHANTOM LIMB

PHYSIOPATHOLOGY

Pain 'memories' in phantom limbs: review and clinical observations. Katz J, et al. **Pain** 1990 Dec;43(3):319–36 (100 ref.)

Labat lecture. Phantom limbs. Melzack R. **Reg Anesth** 1989 Sep–Oct;14(5):208–11 (18 ref.)

PHARMACIES

ORGANIZATION & ADMINISTRATION

The role of mail service pharmacies. Horgan C, et al. **Health Aff (Millwood)** 1990 Fall;9(3):66–74 (7 ref.)

PHARMACOGENETICS

The Pennsylvania State University College of Medicine 1990 Bernard B. Brodie Lecture. Pharmacogenetics: past and future. Kalow W. **Life Sci** 1990;47(16):1385–97 (77 ref.)
Role of genetics and drug metabolism in human cancer risk. Nebert DW. **Mutat Res** 1991 Apr;247(2):267–81 (62 ref.)

PHARMACOKINETICS

Partitioning of drugs into human milk. Begg EJ, et al. **Ann Acad Med Singapore** 1991 Jan;20(1):51–5 (22 ref.)
Relevance of pharmacodynamic principles in therapeutics. Holford NH. **Ann Acad Med Singapore** 1991 Jan; 20(1):26–30 (18 ref.)
Physiological factors in drug absorption. Davis SS. **Ann N Y Acad Sci** 1991;618:140–9 (44 ref.)
Pharmacokinetic–pharmacodynamic relationship. Baggot JD. **Ann Rech Vet** 1990;21 Suppl 1:29S–40S (16 ref.)
Statistical analysis of pharmacokinetic data with special applications to bioequivalence studies. Powers J, et al. **Ann Rech Vet** 1990;21 Suppl 1:87S–92S (17 ref.)
Influence of febrile disease on the pharmacokinetics of veterinary drugs. van Miert A. **Ann Rech Vet** 1990;21 Suppl 1:11S–28S (127 ref.)
Pharmacokinetic basis of age-related changes in sensitivity to toxicants. Birnbaum LS. **Annu Rev Pharmacol Toxicol** 1991;31:101–28 (281 ref.)
Receptor-mediated endocytosis of macromolecular conjugates in selective drug delivery. Basu SK. **Biochem Pharmacol** 1990 Nov 1;40(9):1941–6 (58 ref.)
Analysis of multiscale biochemical systems: graph methods. Reder C. **Biomed Biochim Acta** 1990;49(8–9):671–80 (6 ref.)
Regional pharmacokinetics. I. Physiological and physicochemical basis. Upton RN. **Biopharm Drug Dispos** 1990 Nov;11(8):647–62 (79 ref.)
Regional pharmacokinetics. III. Modelling methods. Upton RN, et al. **Biopharm Drug Dispos** 1991 Jan–Feb;12(1):1–15 (69 ref.)
Regional pharmacokinetics. II. Experimental methods. Upton RN, et al. **Biopharm Drug Dispos** 1990 Dec;11(9):741–52 (83 ref.)
Transdermal drug absorption during pregnancy. Mattison DR. **Clin Obstet Gynecol** 1990 Dec;33(4):718–27 (20 ref.)
Novel drug delivery systems. An overview of their impact on clinical pharmacokinetic studies. Banerjee PS, et al. **Clin Pharmacokinet** 1991 Jan;20(1):1–14 (105 ref.)
Hepatic drug metabolism and aging. Durnas C, et al. **Clin Pharmacokinet** 1990 Nov;19(5):359–89 (320 ref.)
Pharmacokinetics of newer drugs in patients with renal impairment (Part I). Fillastre JP, et al. **Clin Pharmacokinet** 1991 Apr;20(4):293–310 (98 ref.)
Noncompartmental versus compartmental modelling in clinical pharmacokinetics. Gillespie WR. **Clin Pharmacokinet** 1991 Apr;20(4):253–62 (29 ref.)
The effects of diabetes mellitus on pharmacokinetics and pharmacodynamics in humans. Gwilt PR, et al. **Clin Pharmacokinet** 1991 Jun;20(6):477–90 (91 ref.)
Inborn 'errors' of drug metabolism. Pharmacokinetic and clinical implications. Lennard MS, et al. **Clin Pharmacokinet** 1990 Oct;19(4):257–63 (74 ref.)
Nonlinear pharmacokinetics: clinical Implications. Ludden TM. **Clin Pharmacokinet** 1991 Jun;20(6):429–46 (149 ref.)
Uses and limitations of nuclear magnetic resonance (NMR) spectroscopy in clinical pharmacokinetics. Malet-Martino MC, et al. **Clin Pharmacokinet** 1991 May;20(5):337–49 (43 ref.)
Clinical pharmacokinetics of drug administered buccally and sublingually. Motwani JG, et al. **Clin Pharmacokinet** 1991 Aug;21(2):83–94 (90 ref.)
The effect of respiratory disorders on clinical pharmacokinetic variables. Taburet AM, et al. **Clin Pharmacokinet** 1990 Dec;19(6):462–90 (228 ref.)
Pharmacokinetics of rectal drug administration, Part II. Clinical applications of peripherally acting drugs, and conclusions. van Hoogdalem EJ, et al. **Clin Pharmacokinet** 1991 Aug;21(2):110–28 (211 ref.)
Ethnic differences in drug disposition and responsiveness. Wood AJ, et al. **Clin Pharmacokinet** 1991 May;20(5):350–73 (185 ref.)
Pharmacokinetics of drugs in cystic fibrosis. Spino M. **Clin Rev Allergy** 1991 Spring–Summer;9(1–2):169–210 (210 ref.)
Gamma scintigraphy and neutron activation techniques in the in vivo assessment of orally administered dosage forms. Digenis GA, et al. **Crit Rev Ther Drug Carrier Syst** 1991; 7(4):309–45 (59 ref.)
Drug disposition in the mammalian eye and brain: a comparison of mechanisms. Leinweber FJ. **Drug Metab Rev** 1991;23(1–2):133–246 (616 ref.)
Effect of microcirculatory heterogeneity on the determination of pharmacokinetic parameters: implications for risk assessment. Robinson PJ. **Drug Metab Rev** 1991; 23(1–2):43–64 (45 ref.)
Requirements for the documentation of pharmacokinetic properties of antimicrobial agents. Bergan T. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):506–9 (11 ref.)
The place of simultaneous pharmacokinetic pharmacodynamic modeling in new drug development: trends and perspectives. Girard P, et al. **Fundam Clin Pharmacol** 1990;4 Suppl 2:103s–115s (42 ref.)
Concepts and usefulness of pharmacokinetic–pharmacodynamic modelling. Holford NH. **Fundam Clin Pharmacol** 1990;4 Suppl 2:93s–101s (14 ref.)
Analysis of drugs and other toxic substances in biological samples for pharmacokinetic studies. Peng GW, et al. **J Chromatogr** 1990 Oct 12;531:3–50 (359 ref.)
Advances in pediatric pharmacokinetics and therapeutics. Phelps SJ, et al. **J Pediatr** 1990 Dec;117(6):996–1001 (17 ref.)
Development and utilization of physiologically based pharmacokinetic models for toxicological applications. Leung HW. **J Toxicol Environ Health** 1991 Mar; 32(3):247–67 (84 ref.)
Phenomenological kinetics of pharmacological response. Varkonyi P, et al. **Med Hypotheses** 1990 Oct;33(2):137–43 (11 ref.)
Pharmacokinetics in acute illness. Jellett LB, et al. **Med J Aust** 1990 Nov 5;153(9):534–41 (80 ref.)
Genetic and environmental factors causing variation in drug response. Vesell ES. **Mutat Res** 1991 Apr;247(2):241–57 (69 ref.)
Difficulties in using animal data to predict pharmacological response in man. Jenden DJ. **Neurosci Biobehav Rev** 1991 Spring;15(1):105–7 (39 ref.)
Basic principles of pharmacologic action. Schwertz DW. **Nurs Clin North Am** 1991 Jun;26(2):245–62 (18 ref.)
Stereoselectivity in pharmacokinetics: a general theory. Levy RH, et al. **Pharm Res** 1991 May;8(5):551–6 (25 ref.)
Interspecies comparisons in toxicology: the utility and futility of plasma concentrations of the test substance. Monro AM. **Regul Toxicol Pharmacol** 1990 Oct;12(2):137–60 (77 ref.)
Extrapolation of animal toxicity to humans: interspecies comparisons in drug development. Voisin EM, et al. **Regul Toxicol Pharmacol** 1990 Oct;12(2):107–16 (55 ref.)
Physiological basis of multicompartmental models of drug distribution. Atkinson AJ Jr, et al. **Trends Pharmacol Sci** 1991 Mar;12(3):96–101 (24 ref.)
[Pharmacokinetic methods for achieving and maintaining stationary plasma levels in the venous administration of drugs] Iamboliev I, et al. **Khirurgiia (Sofiia)** 1990; 43(5):46–53 (34 ref.) (Eng. Abstr.) **(Bul)**
[The significance of cytochrome P450 gene superfamily for the clinical pharmacokinetics of drugs] Brøsen K. **Ugeskr Laeger** 1991 Feb 4;153(6):417–22 (27 ref.) (Eng. Abstr.) **(Dan)**
[General conceptions of pharmacokinetics: physiological and mathematical approaches] Houin G. **Ann Rech Vet** 1990; 21 Suppl 1:3S–9S (10 ref.) (Eng. Abstr.) **(Fre)**
[Pharmacokinetics and the aged person] Fillastre JP, et al. **Nephrologie** 1990;11(5):285–7 (14 ref.) (Eng. Abstr.) **(Fre)**
[Extraction of drugs in plasma exchange] Fauvelle F, et al. **Therapie** 1991 Mar–Apr;46(2):109–13 (77 ref.) (Eng. Abstr.) **(Fre)**
[Age related changes in the liver. Consequences for drug therapy] Zeeh J, et al. **Fortschr Med** 1990 Nov 30; 108(34):651–3 (16 ref.) (Eng. Abstr.) **(Ger)**
[Drug therapy of smokers. Changed pharmacokinetics and –dynamics] Bornkessel BB. **Med Monatsschr Pharm** 1991 Feb;14(2):51–5 (2 ref.) **(Ger)**
[The biochemical basis of pharmaceutical chemistry. 9. The effect of structure on biopharmaceutic/pharmacokinetic behavior] Nuhn P, et al. **Pharmazie** 1991 Jan;46(1):61–72 (44 ref.) **(Ger)**
[The effect of disease on pharmacokinetics of drugs. 1. Kidney diseases] Pfeifer S. **Pharmazie** 1991 May; 46(5):305–27 (398 ref.) **(Ger)**
[Food intake and resorption of drugs from the gastrointestinal tract] Walter-Sack I. **Z Gesamte Inn Med** 1991 Mar; 46(4):95–100 (56 ref.) (Eng. Abstr.) **(Ger)**
[Problems of pharmacokinetics in pregnancy. A bibliographic review] Minora T, et al. **Ann Ostet Ginecol Med Perinat** 1990 May–Jun; 111(3):159–73 (80 ref.) (Eng. Abstr.) **(Ita)**
[Drugs as a factor threatening the fetus] Zdziennicki A. **Wiad Lek** 1990 Nov 1–15;43(21–22):1068–70 (17 ref.) (Eng. Abstr.) **(Pol)**
[Chrono-pharmacokinetics. Therapeutic implications] Cadórniga Carro R. **An R Acad Nac Med (Madr)** 1990; 107(2):185–214 (30 ref.) **(Spa)**
[Drug metabolism is dynamic. It is as adaptable as the immune system] Ingelman-Sundberg M, et al. **Lakartidningen** 1991 Jul 10;88(28–29):2454–7 (16 ref.) (Eng. Abstr.) **(Swe)**

PHARMACOLOGY

see related
DRUGS

Pharmacokinetic–pharmacodynamic relationship. Baggot JD. **Ann Rech Vet** 1990;21 Suppl 1:29S–40S (16 ref.)
Application of the pharmacological screening process. Algate DR. **Drug Metab Rev** 1990;22(6–8):809–20 (19 ref.)
Use of automated databases for pharmacoepidemiology research. Strom BL, et al. **Epidemiol Rev** 1990;12:87–107 (117 ref.)
Basic requirements for the toxicity testing of antimicrobial agents. Bass R, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):488–91 (12 ref.)
Evaluation of safety and tolerance in clinical trials with antimicrobial agents. Lode H, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):530–3 (9 ref.)
Evaluation of methods for recording adverse drug reactions in clinical trials. Nilsson BS. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):534–6 (0 ref.)
Concepts and usefulness of pharmacokinetic–pharmacodynamic modelling. Holford NH. **Fundam Clin Pharmacol** 1990;4 Suppl 2:93s–101s (14 ref.)
Ethnopharmacology and the development of natural PAF antagonists as therapeutic agents. Braquet P, et al. **J Ethnopharmacol** 1991 Apr;32(1–3):135–9 (22 ref.)
Can ethnopharmacology contribute to the development of new anticancer drugs? Cordell GA, et al. **J Ethnopharmacol** 1991 Apr;32(1–3):117–33 (60 ref.)
Can ethnopharmacology contribute to the development of anti-fertility drugs? Pei-Gen X, et al. **J Ethnopharmacol** 1991 Apr;32(1–3):167–77 (30 ref.)
Can ethnopharmacology contribute to the development of antimalarial agents? Phillipson JD, et al. **J Ethnopharmacol** 1991 Apr;32(1–3):155–65 (58 ref.)
Can ethnopharmacology contribute to the development of antiviral drugs? Vlietinck AJ, et al. **J Ethnopharmacol** 1991 Apr;32(1–3):141–53 (64 ref.)
Does pharmacology corroborate the nicotine therapy and practices of South American shamanism? Wilbert J. **J Ethnopharmacol** 1991 Apr;32(1–3):179–86 (36 ref.)
Advances in pediatric pharmacokinetics and therapeutics. Phelps SJ, et al. **J Pediatr** 1990 Dec;117(6):996–1001 (17 ref.)
Phenomenological kinetics of pharmacological response. Varkonyi P, et al. **Med Hypotheses** 1990 Oct;33(2):137–43 (11 ref.)
Difficulties in using animal data to predict pharmacological response in man. Jenden DJ. **Neurosci Biobehav Rev** 1991 Spring;15(1):105–7 (39 ref.)
Basic principles of pharmacologic action. Schwertz DW. **Nurs Clin North Am** 1991 Jun;26(2):245–62 (18 ref.)
Pharmacology of drugs that alter multidrug resistance in cancer. Ford JM, et al. **Pharmacol Rev** 1990 Sep; 42(3):155–99 (382 ref.)
The use of quantum chemical methods to study molecular mechanisms of drug action. Höltje HD, et al. **Prog Drug Res** 1990;34:9–74 (233 ref.)
[Cardiovascular pharmacology. An example of the need of clinically relevant pharmacological research] Raberger G, et al. **Wien Klin Wochenschr** 1990 Oct 26;102(20):593–601 (45 ref.) (Eng. Abstr.) **(Ger)**
[Drugs interacting with anabolic steroids] Fiegel G. **Clin Ter** 1991 Mar 31;136(6):415–20 (80 ref.) (Eng. Abstr.) **(Ita)**

METHODS

Biologically based pharmacodynamic models: tools for toxicological research and risk assessment. Conolly RB, et al. **Annu Rev Pharmacol Toxicol** 1991;31:503–23 (52 ref.)
The role of pharmacological profiling in safety assessment. Williams PD. **Regul Toxicol Pharmacol** 1990 Dec;12(3 Pt 1):238–52 (52 ref.)

STANDARDS

[Quality assurance in clinical studies: a necessity] Boll M, et al. **Z Exp Chir Transplant Kunstliche Organe** 1990; 23(2):65–72 (7 ref.) (Eng. Abstr.) **(Ger)**

TRENDS

The place of simultaneous pharmacokinetic pharmacodynamic modeling in new drug development: trends and perspectives. Girard P, et al. **Fundam Clin Pharmacol** 1990;4 Suppl 2:103s–115s (42 ref.)
Should we set a place for diet in ethnopharmacology? Etkin NL, et al. **J Ethnopharmacol** 1991 Apr;32(1–3):25–36 (83 ref.)

PHARMACOLOGY, CLINICAL

Clinical pharmacology through the looking glass: reflections on the racemate vs enantiomer debate. Lennard MS. **Br J Clin Pharmacol** 1991 Jun;31(6):623–5 (31 ref.)
Clinical pharmacology. Reidenberg MM. **JAMA** 1991 Jun 19;265(23):3107–9 (15 ref.)
[Molecular pharmacology—the road to selective pharmacotherapy?] Fredholm BB. **Lakartidningen** 1991 Feb 6;88(6):413–4, 417–21 (45 ref.) (Eng. Abstr.) **(Swe)**

EDUCATION

A core curriculum for medical students in clinical pharmacology and therapeutics. The Council for Medical Student Education in Clinical Pharmacology and Therapeutics. Nierenberg DW. **Clin Pharmacol Ther** 1990 Dec;48(6):606–10 (0 ref.)

METHODS

[Functions of a clinical pharmacology hospital service] Azanza JR, et al. **Rev Med Univ Navarra** 1988 Jan–Mar; 32(1):11–3 (0 ref.) **(Spa)**

TRENDS

Seeking a role for the clinical pharmacologist. Vallance P. **Trends Pharmacol Sci** 1991 Mar;12(3):79–81 (9 ref.)

PHARMACOPOEIAS

The development of USP dissolution and drug release standards. Cohen JL, et al. **Pharm Res** 1990 Oct;7(10):983–7 (15 ref.)

PHARMACOTHERAPY see **DRUG THERAPY**

PHARMACY

see related
COMMUNITY PHARMACY SERVICES
PHARMACY SERVICE, HOSPITAL
PRESCRIPTIONS, DRUG

METHODS

Rediscovering the act of interviewing by pharmacists. Ranelli PL. **J Clin Pharm Ther** 1990 Oct;15(5):377–80 (10 ref.)

PHARMACY ADMINISTRATION

see related
FEES, PHARMACEUTICAL
INSURANCE, PHARMACEUTICAL SERVICES

PHARMACY AND THERAPEUTICS COMMITTEE

see related
FORMULARIES, HOSPITAL

PHARMACY SERVICE, CLINICAL see **PHARMACY SERVICE, HOSPITAL**

PHARMACY SERVICE, HOSPITAL

Selecting patients for monoclonal antibody therapy. Fant WK. **Am J Hosp Pharm** 1990 Nov;47(11 Suppl 3):S16–9 (17 ref.)

STANDARDS

Influence of methods on the evaluation of therapeutic drug-monitoring services. Reents S, et al. **Am J Hosp Pharm** 1991 Jul;48(7):1553–9 (59 ref.)

TRENDS

Hospital pharmacy in 1990: the year in review. Nold EG. **Am J Hosp Pharm** 1991 Apr;48(4):720–30 (129 ref.)

PHARYNGEAL ARCHES see **BRANCHIAL REGION**

PHARYNGEAL DISEASES

COMPLICATIONS

Pharyngeal pouch carcinoma: two unusual cases. Burton MJ, et al. **J Laryngol Otol** 1990 Oct;104(10):821–3 (20 ref.)

DIAGNOSIS

[Amyloidosis in the ear, nose and throat] Sawaki S. **Nippon Rinsho** 1991 Apr;49(4):931–4 (10 ref.) **(Jpn)**

ETIOLOGY

Otolaryngologic manifestations of gastroesophageal reflux. Gaynor EB. **Am J Gastroenterol** 1991 Jul;86(7):801–8 (69 ref.)

Complications of reflux esophagitis and their medical management. Kozarek RA. **Gastroenterol Clin North Am** 1990 Sep;19(3):713–31 (126 ref.)

Anterior neopharyngeal diverticulum following laryngectomy. Sobol SM, et al. **Head Neck** 1990 Nov–Dec; 12(6):520–3 (6 ref.)

Sick building syndrome. Lyles WB, et al. **South Med J** 1991 Jan;84(1):65–71, 76 (41 ref.)

MICROBIOLOGY

Primary lupus vulgaris of the pharynx (a case report). Shah A, et al. **J Postgrad Med** 1990 Apr;36(2):106–8, 108A (7 ref.)

PATHOLOGY

[Pharyngeal keratosis] Morais Pérez D, et al. **Acta Otorrinolaringol Esp** 1990 Jul–Aug;41(4):261–3 (16 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Pathogenesis and endoscopic treatment of the hypopharyngeal (Zenker's) diverticulum. Wouters B, et al. **Acta Gastroenterol Belg** 1990 May–Jun;53(3):323–9 (16 ref.)

Endoscopic diverticulotomy for the treatment of Zenker's diverticulum. Wayman DM, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):448–52 (25 ref.)

[Pharyngoesophageal diverticula. Results of a series of 41 diverticulectomies] Mouroux J, et al. **Ann Chir** 1991; 45(5):391–5 (19 ref.) (Eng. Abstr.) **(Fre)**

VETERINARY

Upper airway conditions in older horses, broodmares, and stallions. Embertson RM. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):149–64 (66 ref.)

PHARYNGEAL MUSCLES

Rhabdomyoma of the cricopharyngeus in an infant. Pownell PH, et al. **Int J Pediatr Otorhinolaryngol** 1990 Nov; 20(2):149–58 (24 ref.)

PHARYNGEAL NEOPLASMS

Rhabdomyoma of the cricopharyngeus in an infant. Pownell PH, et al. **Int J Pediatr Otorhinolaryngol** 1990 Nov; 20(2):149–58 (24 ref.)

COMPLICATIONS

Pharyngeal pouch carcinoma: two unusual cases. Burton MJ, et al. **J Laryngol Otol** 1990 Oct;104(10):821–3 (20 ref.)

DIAGNOSIS

[Tumors of the parapharyngeal space. Topographical anatomy, diagnosis, therapy, literature review] Kehrl W, et al. **Laryngorhinootologie** 1990 Oct;69(10):527–32 (26 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Retropharyngeal synovial sarcoma in an infant: report of a case and of its response to chemotherapy; review of the literature. Lenoir P, et al. **Pediatr Hematol Oncol** 1991 Jan–Mar;8(1):45–52 (28 ref.)

ETIOLOGY

Alcohol and cancer. Tuyns AJ. **Proc Nutr Soc** 1990 Jul; 49(2):145–51 (33 ref.)

[Occupation and cancer of the oral cavity, pharynx and larynx] Maier H, et al. **HNO** 1990 Aug;38(8):271–8 (98 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Foregut duplication arising from the pharynx. Frenkiel S, et al. **J Otolaryngol** 1990 Aug;19(4):279–81 (20 ref.)

RADIOGRAPHY

Imaging of the parapharyngeal space: anatomy and pathology. Tom BM, et al. **Crit Rev Diagn Imaging** 1991; 31(3–4):315–56 (29 ref.)

PHARYNGECTOMY

METHODS

[Partial surgery in treatment of cancers of the piriform sinus and lateral epilarynx] Piquet JJ, et al. **Arch Otorhinolaryngol Suppl** 1991;1:47–53 (13 ref.) **(Ger)**

PHARYNGITIS

Causes, diagnosis, and treatment of pharyngitis. Huovinen P. **Compr Ther** 1990 Oct;16(10):59–65 (20 ref.)

[Streptococcal pharyngitis] Karabiber N. **Mikrobiyol Bul** 1990 Jul;24(3):272–8 (14 ref.) (Eng. Abstr.) **(Tur)**

DIAGNOSIS

The sore throat. When to investigate and when to prescribe. Lang SD, et al. **Drugs** 1990 Dec;40(6):854–62 (17 ref.)

The effects of the rapid strep test on physician management of streptococcal pharyngitis. Bryars CH 3d, et al. **J Am Board Fam Pract** 1991 May–Jun;4(3):139–43 (17 ref.)

DRUG THERAPY

A comparison of cephalosporins and penicillins in the treatment of group A beta-hemolytic streptococcal pharyngitis: a meta-analysis supporting the concept of microbial copathogenicity. Pichichero ME, et al. **Pediatr Infect Dis J** 1991 Apr;10(4):275–81 (54 ref.)

ETIOLOGY

Life-threatening peripharyngeal sepsis with mediastinitis. Baker AR, et al. **Br J Clin Pract** 1990 Dec;44(12):640–1 (9 ref.)

PHARYNGO-CONJUNCTIVAL FEVER see **ADENOVIRUS INFECTIONS, HUMAN**

PHARYNX

ANATOMY & HISTOLOGY

Imaging of the parapharyngeal space: anatomy and pathology. Tom BM, et al. **Crit Rev Diagn Imaging** 1991; 31(3–4):315–56 (29 ref.)

The normal and diseased infrahyoid retropharyngeal, danger, and prevertebral spaces. Davis WL, et al. **Semin Ultrasound CT MR** 1991 Jun;12(3):241–56 (24 ref.)

EMBRYOLOGY

Ontogeny and phylogeny: a re-evaluation of conceptual relationships and some applications. Northcutt RG. **Brain Behav Evol** 1990;36(2–3):116–40 (120 ref.)

GROWTH & DEVELOPMENT

Growth of the pharynx and its physiologic implications. Tourné LP. **Am J Orthod Dentofacial Orthop** 1991 Feb; 99(2):129–39 (112 ref.)

INJURIES

Pharyngoesophageal perforation after blunt neck trauma. Niezgoda JA, et al. **Ann Thorac Surg** 1990 Oct;50(4):615–7 (14 ref.)

PATHOLOGY

Webbing of the pharyngeal recess in adults with cleft palate. Walter JD. **Cleft Palate J** 1990 Oct;27(4):411–3; discussion 414 (14 ref.)

PHYSIOLOGY

Imaging of the pharynx and the esophagus. Halvorsen RA Jr. **Curr Opin Radiol** 1991 Jun;3(3):397–406 (30 ref.)

Pathophysiology of upper airway closure during sleep. Kuna ST, et al. **JAMA** 1991 Sep 11;266(10):1384–9 (75 ref.)

[The upper airway and respiratory disorders during sleep] Launois S, et al. **Rev Mal Respir** 1990;7(5):391–402 (97 ref.) **(Fre)**

[Dynamic study of oro-pharyngeal deglutition] Fanucci A, et al. **Radiol Med (Torino)** 1991 Mar;81(3):276–85 (14 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Pathophysiology of apnoea in preterm infants. Ruggins NR. **Arch Dis Child** 1991 Jan;66(1 Spec No):70–3 (37 ref.)

SURGERY

Pharyngeal flap surgery in adults. Hall CD, et al. **Cleft Palate Craniofac J** 1991 Apr;28(2):179–82; discussion 182–3 (18 ref.)

Pharyngoplasty surgery and obstructive sleep apnoea. Ruddy J, et al. **J Laryngol Otol** 1991 Mar;105(3):195–7 (10 ref.)

[Obstructive sleep apnea treated with uvulo-palato-pharyngoplasty] Ovesen JO, et al. **Ugeskr Laeger** 1991 Mar 11;153(11):772–5 (27 ref.) (Eng. Abstr.) **(Dan)**

PHASEOLUS see **LEGUMES**

PHASEOLUS VULGARIS LECTINS see **PHYTOHEMAGGLUTININS**

PHENACETIN

ADVERSE EFFECTS

[Phenacetin, paracetamol and bladder cancer] Nørgaard N, et al. **Ugeskr Laeger** 1990 Dec 3;152(49):3687–91 (30 ref.) (Eng. Abstr.) **(Dan)**

[A case of renal pelvic tumor due to phenacetin abuse] Hayashi Y, et al. **Hinyokika Kiyo** 1990 Aug;36(8):941–4 (13 ref.) (Eng. Abstr.) **(Jpn)**

PHARMACOKINETICS

[Diurnal rhythm of phenacetin and antipyrine elimination in rats] Starek A, et al. **Folia Med Cracov** 1990;31(3):251–8 (18 ref.) (Eng. Abstr.) **(Pol)**

PHENADONE see **METHADONE**

PHENANTHROLINES

Chemical nucleases. Sigman DS. **Biochemistry** 1990 Oct 2; 29(39):9097–105 (92 ref.)

THERAPEUTIC USE

[Mechanism of post-ischemic reperfusion damage of myocardium and the protective and therapeutic effects with traditional Chinese medicine] Xu XS. **Chung Hsi I Chieh Ho Tsa Chih** 1991 Feb;11(2):124–6 (26 ref.) **(Chi)**

PHENANTOIN see **PHENYTOIN**

PHENAZONE see **ANTIPYRINE**

PHENCYCLIDINE

Recent advances in the phencyclidine model of schizophrenia. Javitt DC, et al. **Am J Psychiatry** 1991 Oct; 148(10):1301–8 (95 ref.)

ANALOGS & DERIVATIVES

Substance abuse: the designer drugs. Beebe DK, et al. **Am Fam Physician** 1991 May;43(5):1689–98 (30 ref.)

PHENCYCLIDINE

METABOLISM

The PCP site of the NMDA receptor complex. MacDonald JF, et al. **Adv Exp Med Biol** 1990;268:27–34 (24 ref.)

PHARMACOLOGY

Phencyclidine, NMDA receptor and schizophrenia. Nishikawa T, et al. **Yakubutsu Seishin Kodo** 1991 Feb; 11(1):65–9 (21 ref.)

POISONING

Diagnosis and management of phencyclidine intoxication. Milhorn HT Jr. **Am Fam Physician** 1991 Apr; 43(4):1293–302 (23 ref.)

PHENEMAL see **PHENOBARBITAL**

PHENETHANOLAMINE N-METHYLTRANSFERASE

METABOLISM

Physiology, pharmacology, toxicology and strength of materials. Funder JW. **Mol Cell Endocrinol** 1990 Aug 20; 72(2):C53–6 (18 ref.)

PHENETHYLAMINES

CHEMISTRY

Beta-phenylethylamines and the isoquinoline alkaloids. Bentley KW. **Nat Prod Rep** 1990 Jun;7(3):245–68 (487 ref.)

METABOLISM

2-Phenylethylamine: a modulator of catecholamine transmission in the mammalian central nervous system? Paterson IA, et al. **J Neurochem** 1990 Dec;55(6):1827–37 (110 ref.)

PHARMACOLOGY

Phenylethylaminergic modulation of catecholaminergic neurotransmission. Boulton AA.
Prog Neuropsychopharmacol Biol Psychiatry 1991; 15(2):139–56 (56 ref.)

PHENIDYLATE see **METHYLPHENIDATE**

PHENOBARBITAL

ADVERSE EFFECTS

[Bioactivation of xenobiotics by cytochrome P-448 and its role in the process of carcinogenesis] Lutz W, et al.
Postepy Hig Med Dosw 1989;43(5–6):511–39 (76 ref.) (Eng. Abstr.) **(Pol)**

DIAGNOSTIC USE

Augmented cholescintigraphy: its role in detecting acute and chronic disorders of the hepatobiliary tree. Fink-Bennett D. **Semin Nucl Med** 1991 Apr;21(2):128–39 (58 ref.)

PHARMACOLOGY

[Effects of age and selected inductors of aromatic hydrocarbon hydroxylase (AHH) activity in the rat liver] Plewka A, et al. **Folia Med Cracov** 1990;31(3):147–56 (23 ref.) (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Phenobarbitone and febrile convulsions. Addy DP.
Arch Dis Child 1990 Sep;65(9):921 (4 ref.)

PHENOBARBITONE see **PHENOBARBITAL**

PHENOLS

ADMINISTRATION & DOSAGE

Chemical face peeling. Cortez EA.
Otolaryngol Clin North Am 1990 Oct;23(5):947–61 (9 ref.)

ANALYSIS

Microbial biosensors for environmental monitoring. Gaisford WC, et al. **Biochem Soc Trans** 1991 Feb;19(1):15–8 (7 ref.)

PHARMACOLOGY

The chemical peel. Peters W. **Ann Plast Surg** 1991 Jun; 26(6):564–71 (32 ref.)

The beneficial and hazardous effects of simple phenolic compounds. Stich HF. **Mutat Res** 1991 Mar–Apr; 259(3–4):307–24 (181 ref.)

[The general mechanism of body adaptation under the influence of polyphenol adaptogens] Lupandin AV.
Usp Fiziol Nauk 1991 Jan–Feb;22(1):20–39 (142 ref.) **(Rus)**

THERAPEUTIC USE

Adjuvant management of benign tumors; basic concepts of phenol and cement use. Rock M. **Chir Organi Mov** 1990; 75(1 Suppl):195–7 (24 ref.)

TOXICITY

In vivo and in vitro structure–dosimetry–activity relationships of substituted phenols in developmental toxicity assays. Kavlock RJ, et al. **Fundam Appl Toxicol** 1991 Feb;16(2):225–9 (10 ref.)

The beneficial and hazardous effects of simple phenolic compounds. Stich HF. **Mutat Res** 1991 Mar–Apr; 259(3–4):307–24 (181 ref.)

PHENOPROMIN see **AMPHETAMINE**

PHENOTHIAZINES

ADVERSE EFFECTS

Phenothiazine-associated apnea in two siblings. Buck ML, et al. **DICP** 1991 Mar;25(3):244–7 (18 ref.)

PHARMACOLOGY

Phenothiazines and calmodulin (review). Motohashi N.
Anticancer Res 1991 May–Jun;11(3):1125–64 (208 ref.)

PHENOTYPE

see related
SOMATOTYPES

Thalassemia: genotypes and phenotypes. Loukopoulos D.
Ann Hematol 1991 May;62(5):145–50 (55 ref.)

Thalassemia: genotypes and phenotypes. Loukopoulos D.
Ann Hematol 1991 Apr;62(4):85–94 (55 ref.)

DNA markers and biological vulnerability markers in families multiply affected with schizophrenia. Blackwood D, et al.
Eur Arch Psychiatry Clin Neurosci 1991;240(3):191–6 (38 ref.)

From genes to phenotype: dynamical systems and evolvability. Alberch P. **Genetica** 1991;84(1):5–11 (26 ref.)

Fluctuating asymmetry as a possible measure of developmental homeostasis in humans: a review. Livshits G, et al. **Hum Biol** 1991 Aug;63(4):441–66 (96 ref.)

Genetic and environmental factors causing variation in drug response. Vesell ES. **Mutat Res** 1991 Apr;247(2):241–57 (69 ref.)

Formal genetics in humans: mendelian and nonmendelian inheritance. Pyeritz RE.
Res Publ Assoc Res Nerv Ment Dis 1991;69:47–73 (53 ref.)

[Immunocytological phenotyping of leukemias and lymphomas. Methods, results, indications and significance] Schwonzen M, et al. **Med Klin** 1990 Sep 15;85(9):533–47 (151 ref.) **(Ger)**

[Phenotypical and functional characterization of leukocytes—the CD-system] Holter W, et al.
Wien Klin Wochenschr 1991;103(9):247–62 (73 ref.) (Eng. Abstr.) **(Ger)**

[Genetically-induced deficiency of alpha 1-antitrypsin and diseases of the lung—current assessment and perspectives] Stobernack A, et al. **Z Arztl Fortbild (Jena)** 1990; 84(22):1144–8 (20 ref.) **(Ger)**

PHENOXYACETATES

ADVERSE EFFECTS

Phenoxyacetic acid herbicides and chlorophenols and the etiology of lymphoma and soft-tissue neoplasms. Kelly SJ, et al. **Public Health Rev** 1989–90;17(1):1–37 (89 ref.)

[New experiences strengthen the connection between dioxins, phenoxy acids and malignant tumors] Eriksson M, et al.
Lakartidningen 1991 Jun 12;88(24):2210–1 (23 ref.) **(Swe)**

PHENYLALANINE

BIOSYNTHESIS

Microbial production of L-phenylalanine: a review. Maiti TK, et al. **Hindustan Antibiot Bull** 1990 Feb–May; 32(1–2):3–26 (192 ref.)

BLOOD

[Hyperphenylanalinemia and phenylketonuria. The importance of early diagnosis and follow up at a health center] Campistol Plana J, et al. **An Esp Pediatr** 1991 Jan; 34(1):51–6 (36 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

Transport of amino acids across the blood-brain barrier: implications for treatment of maternal phenylketonuria. Gardiner RM. **J Inherited Metab Dis** 1990;13(4):627–33 (23 ref.)

Transport of amino acids by the human placenta: predicted effects thereon of maternal hyperphenylalaninaemia. Kudo Y, et al. **J Inherited Metab Dis** 1990;13(4):617–26 (18 ref.)

PHARMACOLOGY

The effects of high phenylalanine concentration on chick embryonic development. Kirby ML, et al.
J Inherited Metab Dis 1990;13(4):634–40 (21 ref.)

PHENYLALANINE HYDROXYLASE

GENETICS

The phenylketonuria locus: current knowledge about alleles and mutations of the phenylalanine hydroxylase gene in various populations. Konecki DS, et al. **Hum Genet** 1991 Aug;87(4):377–88 (94 ref.)

[Molecular genetic aspects of phenylketonuria (PKU)] Giltay JC, et al. **Tijdschr Kindergeneeskd** 1991 Jun;59(3):77–80 (17 ref.) (Eng. Abstr.) **(Dut)**

PHENYLALANINE MUSTARD see **MELPHALAN**

PHENYLAMINES see **ANILINE COMPOUNDS**

PHENYLBARBITAL see **PHENOBARBITAL**

PHENYLCARBINOLS see **BENZYL ALCOHOLS**

PHENYLETHANOLAMINE N-METHYLTRANSFERASE see **PHENETHANOLAMINE N-METHYLTRANSFERASE**

PHENYLETHYLAMINES see **PHENETHYLAMINES**

PHENYLKETONURIA

DIAGNOSIS

Value of neuroimaging in metabolic diseases affecting the CNS [comment] Naidu S, et al.
AJNR Am J Neuroradiol 1991 May–Jun;12(3):413–6 (39 ref.) Comment on: AJNR Am J Neuroradiol 1991 May–Jun;12(3):403–6. Comment on: AJNR Am J Neuroradiol 1991 May–Jun;12(3):407–9. Comment on: AJNR Am J Neuroradiol 1991 May–Jun;12(3):410–2.

Undiagnosed phenylketonuria in adult women: a hidden public health problem. Hanley WB, et al.
Can Med Assoc J 1990 Sep 15;143(6):513–6 (29 ref.)

[Hyperphenylanalinemia and phenylketonuria. The importance of early diagnosis and follow up at a health center] Campistol Plana J, et al. **An Esp Pediatr** 1991 Jan; 34(1):51–6 (36 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

The effects of high phenylalanine concentration on chick embryonic development. Kirby ML, et al.
J Inherited Metab Dis 1990;13(4):634–40 (21 ref.)

ETIOLOGY

[Molecular basis of phenylketonuria] Jaruzelska J, et al.
Postepy Biochem 1990;36(3–4):24–31 (54 ref.) **(Pol)**

GENETICS

The phenylketonuria locus: current knowledge about alleles and mutations of the phenylalanine hydroxylase gene in various populations. Konecki DS, et al. **Hum Genet** 1991 Aug;87(4):377–88 (94 ref.)

Heterogeneity of phenylketonuria at the clinical, protein and DNA levels. Cotton RG. **J Inherit Metab Dis** 1990; 13(5):739–50 (58 ref.)

Molecular genetic analysis of phenylketonuria and mental retardation. Woo SL.
Res Publ Assoc Res Nerv Ment Dis 1991;69:193–203 (29 ref.)

[Molecular genetic aspects of phenylketonuria (PKU)] Giltay JC, et al. **Tijdschr Kindergeneeskd** 1991 Jun;59(3):77–80 (17 ref.) (Eng. Abstr.) **(Dut)**

[Correlations between genotype and phenotype in children with phenylketonuria?] Labrune P, et al.
Arch Fr Pediatr 1991 May;48(5):369–70 (8 ref.) **(Fre)**

METABOLISM

Transport of amino acids by the human placenta: predicted effects thereon of maternal hyperphenylalaninaemia. Kudo Y, et al. **J Inherited Metab Dis** 1990;13(4):617–26 (18 ref.)

PREVENTION & CONTROL

Phenylketonuria: contemporary screening and diagnosis. Mabry CC. **Ann Clin Lab Sci** 1990 Nov–Dec;20(6):393–7 (18 ref.)

THERAPY

Transport of amino acids across the blood-brain barrier: implications for treatment of maternal phenylketonuria. Gardiner RM. **J Inherited Metab Dis** 1990;13(4):627–33 (23 ref.)

PHENYLMETHANOLS see **BENZYL ALCOHOLS**

PHENYLPROPANOLAMINE

PHARMACOLOGY

The pharmacology of the anorexic effect of phenylpropanolamine. Wellman PJ. **Drugs Exp Clin Res** 1990;16(9):487–95 (42 ref.)

A review of the physiological bases of the anorexic action of phenylpropanolamine (d,l-norephedrine). Wellman PJ.

Neurosci Biobehav Rev 1990 Fall;14(3):339–55 (112 ref.)

PHENYLPROPIONATES

ADVERSE EFFECTS

Fatal acute liver failure associated with pirprofen. Report of a case and a review of the literature. Depla AC, et al. **Neth J Med** 1990 Aug;37(1-2):32–6 (12 ref.)

PHENYTOIN

ADMINISTRATION & DOSAGE

An updated comparison of drug dosing methods. Part I: Phenytoin. Pryka RD, et al. **Clin Pharmacokinet** 1991 Mar; 20(3):209–17 (45 ref.)

ADVERSE EFFECTS

[Choreoathetosis induced by diphenylhydantoin in and infant with CHARGE syndrome] Martínez Orgado J, et al. **An Esp Pediatr** 1990 Oct;33(4):384–6 (18 ref.) **(Spa)**

CONTRAINDICATIONS

Neurobehavioral effects of phenytoin, carbamazepine, and valproic acid: implications for use in traumatic brain injury. Massagli TL. **Arch Phys Med Rehabil** 1991 Mar; 72(3):219–26 (54 ref.)

PHARMACOKINETICS

Therapeutic drug monitoring of phenytoin. Rationale and current status. Levine M, et al. **Clin Pharmacokinet** 1990 Nov;19(5):341–58 (121 ref.)

TOXICITY

The embryotoxicity of phenytoin: an update on possible mechanisms. Hansen DK. **Proc Soc Exp Biol Med** 1991 Sep;197(4):361–8 (104 ref.)

PHEOCHROMOCYTOMA

Endocrine crises. Pheochromocytoma. Shapiro B, et al. **Crit Care Clin** 1991 Jan;7(1):1–21 (54 ref.)

Analysis of eight Sipple's syndrome patients and review of eighty-two cases from the Japanese literature. Oishi S, et al. **Jpn J Clin Oncol** 1990 Dec;20(4):392–406 (91 ref.)

Phaeochromocytoma. A report of 10 patients. Huddle KR, et al. **S Afr Med J** 1991 Feb 16;79(4):217–20 (18 ref.)

[Current status of diagnosis and treatment of pheochromocytoma] Ruiz del Castillo J, et al. **Rev Quir Esp** 1988 Jul-Aug;15(4):169–74 (26 ref.) (Eng. Abstr.) **(Spa)**

CLASSIFICATION

[Pheochromocytomas] Mornex R. **Acta Chir Belg** 1991 Mar-Apr;91(2):102–6 (17 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

[Pheochromocytoma and palmoplantar keratoderma] Claudy AL, et al. **Ann Dermatol Venereol** 1991;118(4):297–9 (14 ref.) **(Fre)**

[Functional coronary insufficiency in pheochromocytoma. Contribution of isotopic tests. A case report] Stecken F, et al. **Arch Mal Coeur** 1990 Sep;83(10):1607–11 (10 ref.) (Eng. Abstr.) **(Fre)**

[Myocardial damage and pheochromocytoma. Description of 2 cases and review of the literature] Giunta G. **Minerva Med** 1990 Oct;81(10):741–7 (35 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Diagnosis of pheochromocytoma. Reflections on a controversy [editorial] Bravo EL. **Hypertension** 1991 Jun; 17(6 Pt 1):742–4 (14 ref.)

Adrenal pheochromocytoma presenting with persistent abdominal and flank pain. Counselman FL, et al. **J Emerg Med** 1991 Jul-Aug;9(4):241–6 (34 ref.)

A simplified diagnostic approach to pheochromocytoma. A review of the literature and report of one institution's experience. Stein PP, et al. **Medicine (Baltimore)** 1991 Jan; 70(1):46–66 (211 ref.)

Clinical and diagnostic findings in patients with chromaffin tumors: pheochromocytomas, pheochromoblastomas. Käser H. **Recent Results Cancer Res** 1990;118:97–105 (32 ref.)

[Pheochromocytoma; current viewpoints on diagnosis and therapy] Lips CJ, et al. **Ned Tijdschr Geneeskd** 1991 Feb 2;135(5):166–71 (33 ref.) **(Dut)**

[A case of undiagnosed pheochromocytoma caused by negative metoclopramide test] Miyazaki S, et al. **Nippon Naibunpi Gakkai Zasshi** 1991 Jan 20;67(1):1–7 (26 ref.) (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

[Drug therapy of pheochromocytoma] Coruzzi P, et al. **Ann Ital Med Int** 1989 Jul-Sep;4(3):224–9 (18 ref.) (Eng. Abstr.) **(Ita)**

EPIDEMIOLOGY

[Pheochromocytoma in black Africa. Report of 9 cases] N'Guessan HA, et al. **Chirurgie** 1990;116(3):315–9 (10 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Neuroendocrine tumors: chromaffin and nonchromaffin tumors. Samaan NA. **Curr Opin Oncol** 1990 Feb;2(1):101–7 (10 ref.)

[Pathology of 2A and 2B multiple endocrine neoplasia—a current assessment] Schröder S, et al. **Pathologe** 1991 May; 12(3):131–7 (64 ref.) **(Ger)**

[Sipple's syndrome: a case report] Takaha N, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1309–12 (10 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Pheochromocytoma of the urinary bladder. Sweetser PM, et al. **Surgery** 1991 May;109(5):677–81 (22 ref.)

THERAPY

[Pheochromocytoma: how to prevent a fatal course? A case report and review of the literature] Bendayan P, et al. **Ann Cardiol Angeiol (Paris)** 1990 Oct;39(8):461–6 (36 ref.) (Eng. Abstr.) **(Fre)**

PHERESIS see **BLOOD COMPONENT REMOVAL**

PHEROMONES

A chemistry of mammalian pheromones. Singer AG. **J Steroid Biochem Mol Biol** 1991 Oct;39(4B):627–32 (56 ref.)

ADMINISTRATION & DOSAGE

The human skin: fragrances and pheromones. Berliner DL, et al. **J Steroid Biochem Mol Biol** 1991 Oct;39(4B):671–9 (23 ref.)

PHYSIOLOGY

[The yeast mating pheromones of Saccharomyces cerevisiae—an evolutionary enigma?] Afon'kin SIu. **Zh Evol Biokhim Fiziol** 1991 Jan-Feb;27(1):87–93 (65 ref.) **(Rus)**

PHI X 174 see **PHAGE PHI X 174**

PHILADELPHIA CHROMOSOME

Occurrence of high-grade T-cell lymphoma in a patient with Philadelphia chromosome-negative chronic myelogenous leukemia with breakpoint cluster region rearrangement: case report and review of the literature. Djulbegović B, et al. **Am J Hematol** 1991 Jan;36(1):63–4 (9 ref.)

Does the breakpoint within the major breakpoint cluster region (M-bcr) influence the duration of the chronic phase in chronic myeloid leukemia? An analytical comparison of current literature. Mills KI, et al. **Blood** 1991 Sep 1; 78(5):1155–61 (20 ref.)

Review of clinical, cytogenetic, and molecular aspects of Ph-negative CML. van der Plas DC, et al. **Cancer Genet Cytogenet** 1991 Apr;52(2):143–56 (67 ref.)

Molecular methods to detect the Philadelphia chromosome. Hooberman AL, et al. **Clin Lab Med** 1990 Dec;10(4):839–55 (53 ref.)

Philadelphia chromosome translocation. Groffen J, et al. **Crit Rev Oncog** 1989;1(1):53–64 (105 ref.)

Molecular insights into the Philadelphia translocation. Heisterkamp N, et al. **Hematol Pathol** 1991;5(1):1–10 (81 ref.)

[Cytogenetic and clinical features of Philadelphia chromosome positive leukemias] Becher R, et al. **Verh Dtsch Ges Pathol** 1990;74:36–42 (31 ref.) (Eng. Abstr.) **(Ger)**

[Prominent lymphadenopathy and double Ph1 chromosomes as initial and recurrent manifestations of chronic myelogenous leukemia in blast crisis: report of a case and review of the literature] Sakai C, et al. **Rinsho Ketsueki** 1990 Sep;31(9):1506–11 (18 ref.) (Eng. Abstr.) **(Jpn)**

PHILOSOPHY

Does epidemiology need a new philosophy? A case study of logical inquiry in the acquired immunodeficiency syndrome epidemic. Ng SK. **Am J Epidemiol** 1991 Jun 1; 133(11):1073–7 (25 ref.)

The concept of the self in psychoanalytic theory and its philosophical foundations. Kirshner LA. **J Am Psychoanal Assoc** 1991;39(1):157–82 (36 ref.)

Foundations of psychoanalysis reconsidered. Meissner WW. **J Am Psychoanal Assoc** 1990;38(3):523–57 (88 ref.)

Are mental states a useful concept? Neurophilosophical influences on phenomenology and psychopathology. Harrison PJ. **J Nerv Ment Dis** 1991 Jun;179(6):309–16; discussion 317–9 (80 ref.)

Some philosophical directions towards a simple theory of the self. Mann DW. **Theor Med** 1991 Mar;12(1):53–68 (29 ref.)

[The revolution of chaos. Chaos and biology] Bru Villaseca L. **An R Acad Nac Med (Madr)** 1990;107(2):339–51 (9 ref.) **(Spa)**

HISTORY

German philosophy, Freud, and the riddle of the woman. Makari GJ. **J Am Psychoanal Assoc** 1991;39(1):183–213 (49 ref.)

PHILOSOPHY, MEDICAL

Bioethics: its philosophical basis and application. Sass HM. **Bull Pan Am Health Organ** 1990;24(4):372–8 (11 ref.)

A philosophic approach to aging. Spiro H. **Clin Geriatr Med** 1991 May;7(2):387–94 (7 ref.)

New Oslerians and real Flexnerians: the response to threatened professional autonomy. Vinten-Johansen P, et al. **Int J Health Serv** 1991;21(1):75–108 (127 ref.)

Zygotes, souls, substances, and persons. Bole TJ 3d. **J Med Philos** 1990 Dec;15(6):637–52 (11 ref.)

Sheltered workshops: financial and philosophical liabilities. Schuster JW. **Ment Retard** 1990 Aug;28(4):233–9 (30 ref.)

The potential of medicine as a resource for philosophy. Fulford KW. **Theor Med** 1991 Mar;12(1):81–5 (13 ref.)

Thoughts and feelings and things: a new psychiatric epistemology. Hundert EM. **Theor Med** 1991 Mar; 12(1):7–23 (42 ref.)

The locked-in syndrome and the behaviorist epistemology of other minds. Kurthen M, et al. **Theor Med** 1991 Mar; 12(1):69–79 (30 ref.)

On the dearth of philosophical contributions to medicine. Yarborough M. **Theor Med** 1990 Dec;11(4):325–31 (19 ref.)

[Ethical challenges at the bedside: philosophy and treatment principles. Economic forces] Brandts H. **Verh Dtsch Ges Inn Med** 1990;96:665–9 (18 ref.) **(Ger)**

[Perspectives of an existential interdisciplinary body theory] Kühn R. **Z Klin Psychol Psychopathol Psychother** 1990; 38(4):376–96 (80 ref.) (Eng. Abstr.) **(Ger)**

[Dialectic and psychiatry] Dörr-Zeggers O. **Acta Psiquiatr Psicol Am Lat** 1990 Jul-Dec;36(3-4):111–23 (50 ref.) (Eng. Abstr.) **(Spa)**

[The revolution of chaos. Chaos and biology] Bru Villaseca L. **An R Acad Nac Med (Madr)** 1990;107(2):339–51 (9 ref.) **(Spa)**

HISTORY

Medical Critique [Krytyka Lekarska]: a journal of medicine and philosophy-1897-1907. Löwy I. **J Med Philos** 1990 Dec;15(6):653–73 (41 ref.)

Medicine in John Locke's philosophy. Sanchez-Gonzalez MA. **J Med Philos** 1990 Dec;15(6):675–95 (26 ref.)

PHILOSOPHY, NURSING

Nursing responsibility for the placebo effect. Connelly RJ. **J Med Philos** 1991 Jun;16(3):325–41 (50 ref.)

Conceptual issues in nursing ethics research. Penticuff JH. **J Med Philos** 1991 Jun;16(3):235–58 (110 ref.)

PHLEBOGRAPHY

[Diagnosis of deep leg vein thrombosis—can we dispense with phlebography?] Jung M. **Vasa Suppl** 1990;30:30–3 (23 ref.) **(Ger)**

METHODS

Techniques of phlebography: a review. Thomas ML. **Eur J Radiol** 1990 Sep-Oct;11(2):125–30 (14 ref.)

[Orbital phlebography. Methods, anatomy and clinical considerations] Jenssen G, et al. **Tidsskr Nor Laegeforen** 1991 Apr 20;111(10):1260–2 (8 ref.) (Eng. Abstr.) **(Nor)**

[Infusions into the venous bed of the bones] Atiasov NI. **Vestn Khir** 1991 Mar;146(3):134–7 (21 ref.) **(Rus)**

PHLEGMASIA ALBA DOLENS see **THROMBOPHLEBITIS**

PHLEGMON see **CELLULITIS**

PHOBIA, SCHOOL see **PHOBIC DISORDERS**

PHOBIA, SOCIAL see **PHOBIC DISORDERS**

PHOBIAS see **PHOBIC DISORDERS**

PHOBIC DISORDERS

Estimating the prevalence of dental phobias. Francis RD, et al. **Aust Dent J** 1990 Oct;35(5):449–53 (20 ref.)

CLASSIFICATION

The place of culture in psychiatric nosology: Taijin kyofusho and DSM-III-R. Kirmayer LJ. **J Nerv Ment Dis** 1991 Jan; 179(1):19–28 (58 ref.)

DIAGNOSIS

Social phobia: relationship to shyness. Turner SM, et al. **Behav Res Ther** 1990;28(6):497–505 (45 ref.)

Clinical anxiety and its treatment. Edwards JG. **Neuropeptides** 1991 Jul;19 Suppl:1–10 (40 ref.)

PHOBIC DISORDERS

EPIDEMIOLOGY

Estimating the prevalence of dental phobias. Francis RD, et al. **Aust Dent J** 1990 Oct;35(5):449–53 (20 ref.)

THERAPY

Panic and phobic disorders. Current cognitive behavioural strategies. Marriott P. **Aust Fam Physician** 1990 Sep; 19(9):1357, 1360–2, 1365–70 (9 ref.)

Treatment of social phobias. Agras WS. **J Clin Psychiatry** 1990 Oct;51 Suppl:52–5; discussion 56–8 (15 ref.)

PHOBIC NEUROSES see **PHOBIC DISORDERS**

PHOCOMELIA see **ECTROMELIA**

PHODOPUS see **HAMSTERS**

PHONATION

PHYSIOLOGY

Taxonomies in biology, phonetics, phonology, and speech motor control. Folkins JW, et al. **J Speech Hear Disord** 1990 Nov;55(4):596–611 (141 ref.)

PHONATION DISORDERS see **VOICE DISORDERS**

PHONETICS

Taxonomies in biology, phonetics, phonology, and speech motor control. Folkins JW, et al. **J Speech Hear Disord** 1990 Nov;55(4):596–611 (141 ref.)

Methods and goals of speech production research. Fujimura O. **Lang Speech** 1990 Jul–Sep;33 (Pt 3):195–258 (307 ref.)

Word identification in reading and the promise of subsymbolic psycholinguistics. Van Orden GC, et al. **Psychol Rev** 1990 Oct;97(4):488–522 (350 ref.)

PHORBOL ESTERS

PHARMACOLOGY

Regulation of receptor-mediated endocytosis by phorbol esters. Backer JM, et al. **Biochem Pharmacol** 1991 May 1; 41(9):1267–77 (142 ref.)

Phorbol ester activation of the isotypes of protein kinase C from bovine and rat brain. Evans FJ, et al. **Biochem Soc Trans** 1991 Apr;19(2):397–402 (32 ref.)

Phorbol esters and growth regulation in metastatic melanoma cells. Coppock DL, et al. **Cancer Treat Res** 1991;54:67–83 (45 ref.)

PHORBOL MYRISTATE ACETATE see **TETRADECANOYLPHORBOL ACETATE**

PHORIAS see **STRABISMUS**

PHOSPHATASES

GENETICS

The yeast phosphatase system. Vogel K, et al. **Mol Microbiol** 1990 Dec;4(12):2013–7 (35 ref.)

METABOLISM

Intrasteric regulation of protein kinases and phosphatases. Kemp BE, et al. **Biochim Biophys Acta** 1991 Aug 13; 1094(1):67–76 (76 ref.)

PHYSIOLOGY

The role of phosphatases in signal transduction. Alexander DR. **New Biol** 1990 Dec;2(12):1049–62 (132 ref.)

PHOSPHATE DIABETES see **HYPOPHOSPHATEMIA, FAMILIAL**

PHOSPHATES

BLOOD

Clinical factors in progressive renal injury. The role of hyperphosphatemia. Alfrey AC, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):53–6 (27 ref.)

Hypophosphatemic osteomalacia in von Recklinghausen neurofibromatosis. Konishi K, et al. **Am J Med Sci** 1991 May;301(5):322–8 (45 ref.)

Antacid and sucralfate-induced hypophosphatemic osteomalacia: a case report and review of the literature. Chines A, et al. **Calcif Tissue Int** 1990 Nov;47(5):291–5 (26 ref.)

Renal failure in adult onset hypophosphatemic osteomalacia with Fanconi syndrome: a family study and review of the literature. Harrison NA, et al. **Clin Nephrol** 1991 Apr; 35(4):148–50 (13 ref.)

Endocrine crises. Hypophosphatemia and hyperphosphatemia. Peppers MP, et al. **Crit Care Clin** 1991 Jan;7(1):201–14 (64 ref.)

Phosphate kinetics in dialysis patients. Haas T, et al. **Nephrol Dial Transplant** 1991;6 Suppl 2:108–13 (8 ref.)

Calcium carbonate as a phosphate binder: is there a need to adjust peritoneal dialysate calcium concentrations for patients using CaCO3? Martis L, et al. **Perit Dial Int** 1989; 9(4):325–8 (28 ref.)

Hypophosphatemia: pathophysiological and practical aspects of its therapy. Rubin MF, et al. **Semin Nephrol** 1990 Nov; 10(6):536–45 (57 ref.)

METABOLISM

Cellular mechanisms in proximal tubular reabsorption of inorganic phosphate. Murer H, et al. **Am J Physiol** 1991 May;260(5 Pt 1):C885–99 (159 ref.)

Myoplasmic phosphate metabolites in the integration of oxidative phosphorylation and contractile function in the myocardium. Kupriyanov VV, et al. **Biomed Sci** 1990 Feb; 1(2):113–21 (38 ref.)

Conserved loci on the X chromosome confer phosphate homeostasis in mice and humans. Scriver CR, et al. **Genet Res** 1990 Oct–Dec;56(2–3):141–52 (123 ref.)

Effect of age on calcium and phosphate absorption. Role of 1,25-dihydroxyvitamin D. Armbrecht HJ. **Miner Electrolyte Metab** 1990;16(2–3):159–66 (46 ref.)

Mechanism and regulation of intestinal phosphate absorption. Cross HS, et al. **Miner Electrolyte Metab** 1990; 16(2–3):115–24 (54 ref.)

Vitamin D–independent regulation of calcium and phosphate absorption. Lee DB, et al. **Miner Electrolyte Metab** 1990; 16(2–3):167–73 (59 ref.)

Molecular aspects of phosphate transport in Escherichia coli. Rao NN, et al. **Mol Microbiol** 1990 Jul;4(7):1083–90 (55 ref.)

Regulation of renal phosphate reabsorption during development: implications from a new model of growth hormone deficiency. Haramati A, et al. **Pediatr Nephrol** 1990 Jul;4(4):387–91 (22 ref.)

Regulation of renal phosphate reabsorption: concepts in evolution. Hruska KA. **Pediatr Nephrol** 1987 Oct; 1(4):657–63 (67 ref.)

Vitamin D metabolism and phosphate transport in developing kidney: effect of diet and mutation. Tenenhouse HS. **Pediatr Nephrol** 1988 Jan;2(1):171–5 (31 ref.)

[Renal osteodystrophy in children. Pathogenic role and modalities of control of phosphate retention] Boudailliez B, et al. **Arch Fr Pediatr** 1991 Apr;48(4):279–86 (84 ref.) **(Fre)**

[Experimental and clinical possibilities of MR spectroscopy of the heart] Neubauer S, et al. **Z Kardiol** 1991 Jan; 80(1):25–36 (62 ref.) (Eng. Abstr.) **(Ger)**

PHARMACOLOGY

From cell membrane to nucleotides: the phosphate regulon in Escherichia coli. Torriani A. **Bioessays** 1990 Aug; 12(8):371–6 (39 ref.)

PHYSIOLOGY

Magnesium absorption: mechanisms and the influence of vitamin D, calcium and phosphate. Hardwick LL, et al. **J Nutr** 1991 Jan;121(1):13–23 (75 ref.)

PHOSPHATES, INORGANIC see **PHOSPHATES**

PHOSPHATES, ORGANIC see **ORGANOPHOSPHORUS COMPOUNDS**

PHOSPHATIDES see **PHOSPHOLIPIDS**

PHOSPHATIDIC ACIDS

PHYSIOLOGY

Phospholipase D in the pancreatic islet: evidence suggesting the involvement of phosphatidic acid in signal transduction. Metz S, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21A:287–90 (17 ref.)

PHOSPHATIDYLCHOLINES

BIOSYNTHESIS

Boehringer Mannheim Award lecture. Phosphatidylcholine metabolism: masochistic enzymology, metabolic regulation, and lipoprotein assembly. Vance DE. **Biochem Cell Biol** 1990 Oct;68(10):1151–65 (116 ref.)

Regulation of phosphatidylcholine biosynthesis. Kent C. **Prog Lipid Res** 1990;29(2):87–105 (130 ref.)

BLOOD

Hereditary high phosphatidylcholine hemolytic anemia: report of a new family and review of the literature. Shojania AM, et al. **Clin Invest Med** 1990 Dec;13(6):313–21 (33 ref.)

METABOLISM

Hormonal regulation of phosphatidylcholine breakdown. Exton JH. **Adv Second Messenger Phosphoprotein Res** 1990; 24:152–7 (41 ref.)

Signal-dependent activation of phosphatidylcholine hydrolysis: role of phospholipase D. Liscovitch M. **Biochem Soc Trans** 1991 Apr;19(2):402–7 (54 ref.)

Regulation of the hydrolysis of phosphatidylcholine in Swiss 3T3 cells. Wakelam MJ, et al. **Biochem Soc Trans** 1991 Apr;19(2):321–4 (17 ref.)

Cholesterol packing, crystallization and exchange properties in phosphatidylcholine vesicle systems. Phillips MC. **Hepatology** 1990 Sep;12(3 Pt 2):75S–80S; discussion 80S–82S (33 ref.)

Kinetic and molecular species analyses of mitogen-induced increases in diglycerides: evidence for stimulated hydrolysis of phosphoinositides and phosphatidylcholine. Raben DM, et al. **J Cell Biochem** 1990 Oct;44(2):117–25 (23 ref.)

PHYSIOLOGY

Phosphatidylcholine and peritoneal dialysis. Williams JD, et al. **Contrib Nephrol** 1990;85:142–9 (14 ref.)

THERAPEUTIC USE

Alternatives in the treatment of memory loss in patients with Alzheimer's disease. Volger BW. **Clin Pharm** 1991 Jun; 10(6):447–56 (92 ref.)

PHOSPHATIDYLINOSITOL PHOSPHATES see **PHOSPHOINOSITIDES**

PHOSPHATIDYLINOSITOLS

CHEMISTRY

Anchoring of Thy-1 to the cell membrane. Low MG. **Immunol Ser** 1989;45:71–83 (53 ref.)

METABOLISM

The mechanism of action of interleukin-1: a cytokine acting through glycosyl-phosphatidylinositol hydrolysis? Dobson PR, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:170–5 (19 ref.)

The phosphatidylinositol pathway of platelets and vascular cells. Majerus PW, et al. **Ann N Y Acad Sci** 1991;614:44–50 (49 ref.)

Serotonin receptors and phosphatidylinositol turnover. Sanders-Bush E, et al. **Ann N Y Acad Sci** 1990;600:224–35; discussion 235–6 (49 ref.)

Phosphatidylinositol-derived precursors and signals. Bansal VS, et al. **Annu Rev Cell Biol** 1990;6:41–67 (199 ref.)

The PtdIns-PLC superfamily and signal transduction. Meldrum E, et al. **Biochim Biophys Acta** 1991 Mar 19; 1092(1):49–71 (298 ref.)

Glycosyl phosphatidylinositol in thyroid: cell signalling or protein anchor? Jacquemin C. **Biochimie** 1991 Jan; 73(1):37–40 (42 ref.)

Properties and possible function of phosphatidylinositol-transfer proteins. Wirtz KW, et al. **Biotechnol Appl Biochem** 1990 Oct;12(5):485–8 (18 ref.)

Relation of phosphatidylinositol metabolism to glycolytic pathway in skeletal muscle membranes. Heilmeyer LM Jr, et al. **Mol Cell Biochem** 1990 Dec 20;99(2):111–6 (13 ref.)

Phosphatidyl inositol metabolism and its role in signal transduction in growing plants. Lehle L. **Plant Mol Biol** 1990 Oct;15(4):647–58 (110 ref.)

Transport and metabolism of phosphatidylinositol in eukaryotic cells. Helmkamp GM Jr. **Subcell Biochem** 1990; 16:129–74 (140 ref.)

PHYSIOLOGY

Glycolipid anchoring of plasma membrane proteins. Cross GA. **Annu Rev Cell Biol** 1990;6:1–39 (123 ref.)

Recent insights in phosphatidylinositol signaling. Majerus PW, et al. **Cell** 1990 Nov 2;63(3):459–65 (73 ref.)

myo-inositol metabolites as cellular signals. Downes CP, et al. **Eur J Biochem** 1990 Oct 5;193(1):1–18 (226 ref.)

Phosphatidylinositol membrane anchors and T-cell activation. Robinson PJ. **Immunol Today** 1991 Jan; 12(1):35–41 (56 ref.)

Agonist-stimulated turnover of the phosphoinositides and the regulation of adrenocortical steroidogenesis. Bird IM, et al. **J Mol Endocrinol** 1990 Dec;5(3):191–209 (141 ref.)

PHOSPHODIESTERASE ANTAGONISTS see **PHOSPHODIESTERASE INHIBITORS**

PHOSPHODIESTERASE INHIBITORS

Calcium inhibition of ATP-dependent inactivation of rod disk phosphodiesterase in isolated rods and membrane suspensions. Pugh EN Jr, et al. **Neurosci Res Suppl** 1990; 12:S183–90 (23 ref.)

CHEMISTRY

Cyclic nucleotide phosphodiesterases. Possible targets for new drugs. Polson JB. **J Fla Med Assoc** 1990 Dec; 77(12):1045–6 (7 ref.)

PHARMACOLOGY

Cardiovascular effects of milrinone. Colucci WS. **Am Heart J** 1991 Jun;121(6 (Pt 2)):1945–7 (8 ref.)

Pharmacology of bipyridine phosphodiesterase III inhibitors. Honerjäger P. **Am Heart J** 1991 Jun;121(6 (Pt 2)):1939–44 (69 ref.)

Does intravenous milrinone have a direct effect on diastolic function? Krams R, et al. **Am Heart J** 1991 Jun;121(6 (Pt 2)):1951–5 (10 ref.)

[Phosphodiesterase inhibitors] Sarkis A, et al. **Ann Cardiol Angeiol (Paris)** 1990 Sep;39(7):427–31 (32 ref.) (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Phosphodiesterase inhibitors. Its role in heart failure therapy. Kohn IJ, et al. **Arq Bras Cardiol** 1990 Jun;54(6):361–5 (24 ref.)

Advances in pediatric drug therapy of asthma. Levin RH. **Nurs Clin North Am** 1991 Jun;26(2):263–72 (28 ref.)

Phosphodiesterase inhibitors: new opportunities for the treatment of asthma. Torphy TJ, et al. **Thorax** 1991 Jul; 46(7):512–23 (120 ref.)

Differential modulation of tissue function and therapeutic potential of selective inhibitors of cyclic nucleotide phosphodiesterase isoenzymes. Nicholson CD, et al. **Trends Pharmacol Sci** 1991 Jan;12(1):19–27 (44 ref.)

PHOSPHODIESTERASES

BLOOD

Activation of inositol phospholipid-specific phospholipase C by P2-purinergic receptors in human phagocytic leukocytes. Role of pertussis toxin-sensitive G proteins. Dubyak GR, et al. **Ann N Y Acad Sci** 1990;603:227–44; discussion 244–5 (25 ref.)

CHEMISTRY

Chemical nucleases. Sigman DS. **Biochemistry** 1990 Oct 2; 29(39):9097–105 (92 ref.)

METABOLISM

Regulation of cytosolic phosphoinositide-phospholipase C by G-protein, Gp. Cockcroft S, et al. **Biochem Soc Trans** 1991 Apr;19(2):299–302 (26 ref.)

Multiple forms of phosphoinositide-specific phospholipase C and different modes of activation. Rhee SG, et al. **Biochem Soc Trans** 1991 Apr;19(2):337–41 (24 ref.)

Receptor regulation of phosphoinositidase C. Martin TF. **Pharmacol Ther** 1991;49(3):329–45 (162 ref.)

PHYSIOLOGY

Phosphodiesterase and immune dysfunction in atopic dermatitis. Hanifin JM. **J Dermatol Sci** 1990 Jan;1(1):1–6 (24 ref.)

PHOSPHOENOLPYRUVATE

METABOLISM

[Specific systems of phosphoenolpyruvate-dependent transport of carbohydrates in enterobacteria] Bol'shakova TN, et al. **Mol Gen Mikrobiol Virusol** 1991 Feb;(2):3–9 (50 ref.) (Eng. Abstr.) **(Rus)**

PHOSPHOENOLPYRUVATE CARBOXYKINASES

GENETICS

Hormonal regulation of liver phosphoenolpyruvate carboxykinase and glucokinase gene expression at weaning in the rat. Girard J, et al. **Biochimie** 1991 Jan;73(1):71–6 (36 ref.)

Developmental regulation and tissue-specific expression of a chimaeric phosphoenolpyruvate carboxykinase/bovine growth hormone gene in transgenic animals. McGrane MM, et al. **J Reprod Fertil Suppl** 1990;41:17–23 (23 ref.)

PHOSPHOENOLPYRUVATE HEXOSE PHOSPHOTRANSFERASES see **PHOSPHOENOLPYRUVATE SUGAR PHOSPHOTRANSFERASE SYSTEM**

PHOSPHOENOLPYRUVATE SUGAR PHOSPHOTRANSFERASE SYSTEM

CLASSIFICATION

Domain shuffling during evolution of the proteins of the bacterial phosphotransferase system. Saier MH Jr, et al. **Res Microbiol** 1990 Nov-Dec;141(9):1033–8 (22 ref.)

METABOLISM

The phosphoenolpyruvate-dependent phosphotransferase system: a central feature of carbohydrate accumulation by enteric bacteria. Mitchell WJ. **Microbiol Sci** 1985 Nov; 2(11):330–4, 339 (37 ref.)

Coupling of energy to glucose transport by the bacterial phosphotransferase system. Erni B. **Res Microbiol** 1990 Mar-Apr;141(3):360–4 (17 ref.)

Coupling of energy to D-mannitol transport in Escherichia coli. Jacobson GR. **Res Microbiol** 1990 Mar-Apr; 141(3):365–8 (12 ref.)

Mechanism of sugar transport and phosphorylation via permeases of the bacterial phosphotransferase system: catalytic residues in the beta-glucoside-specific permease as defined by site-specific mutagenesis. Sutrina SL, et al. **Res Microbiol** 1990 Mar-Apr;141(3):368–74 (19 ref.)

PHOSPHOFRUCTOKINASE

METABOLISM

Phosphofructokinase activity and acidosis during short-term tetanic contractions. Spriet LL. **Can J Physiol Pharmacol** 1991 Feb;69(2):298–304 (46 ref.)

PHOSPHOGLYCERATE KINASE

CHEMISTRY

Flexibility and folding of phosphoglycerate kinase. Yon JM, et al. **Biochimie** 1990 Jun-Jul;72(6-7):417–29 (46 ref.)

PHOSPHOGLYCERIDES see **GLYCEROPHOSPHATES**

PHOSPHOHYDROLASES see **PHOSPHATASES**

PHOSPHOINOSITIDES

METABOLISM

Hormonal regulation of phosphatidylcholine breakdown. Exton JH. **Adv Second Messenger Phosphoprotein Res** 1990; 24:152–7 (41 ref.)

Stimulation of phosphoinositide turnover by excitatory amino acids. Pharmacology, development, and role in visual cortical plasticity. Bear MF, et al. **Ann N Y Acad Sci** 1991; 627:42–56 (68 ref.)

Inositol lipid metabolism in hippocampus. Logan SD, et al. **Biochem Soc Trans** 1991 Apr;19(2):407–11 (50 ref.)

Neuronal muscarinic receptors and phosphoinositide metabolism. Naahorski SR, et al. **Biochem Soc Trans** 1991 Apr;19(2):416–21 (50 ref.)

Receptor-mediated stimulation of phosphoinositide metabolism and protein kinase C. Jaken S, et al. **Cancer Cells** 1990 Dec;2(12):401–5 (0 ref.)

Multiple effects of increases in phosphoinositide hydrolysis on islets and their relationship to changing patterns of insulin secretion. Zawalich W. **Diabetes Res** 1990 Mar; 13(3):101–11 (65 ref.)

Kinetic and molecular species analyses of mitogen-induced increases in diglycerides: evidence for stimulated hydrolysis of phosphoinositides and phosphatidylcholine. Raben DM, et al. **J Cell Biochem** 1990 Oct;44(2):117–25 (23 ref.)

Oscillating intracellular Ca2+ signals evoked by activation of receptors linked to inositol lipid hydrolysis: mechanism of generation. Petersen OH, et al. **J Membr Biol** 1990 Nov; 118(2):93–105 (110 ref.)

Phosphoinositides and their products in the mammalian sperm acrosome reaction. Harrison RA, et al. **J Reprod Fertil Suppl** 1990;42:51–67 (93 ref.)

Regulatory functions of protein kinase C in glomerular mesangial cells. Pfeilschifter J. **Klin Wochenschr** 1990 Nov 16;68(22):1134–7 (23 ref.)

Adaptive regulation of central serotonin receptors linked to phosphoinositide hydrolysis. Sanders-Bush E. **Neuropsychopharmacology** 1990 Oct-Dec;3(5-6):411–6 (30 ref.)

PHYSIOLOGY

Effects of alcohol on polyphosphoinositide-mediated intracellular signaling. Hoek JB, et al. **Ann N Y Acad Sci** 1991;625:375–87 (17 ref.)

Phosphoinositides and synaptic function in NG108-15 neuroblastoma x glioma hybrid cells. Higashida H, et al. **Comp Biochem Physiol [C]** 1991;98(1):129–37 (48 ref.)

Inositol phospholipid-dependent cellular signalling: opportunities for drug discovery. Young RC, et al. **Drug Des Deliv** 1990 May;6(1):1–13 (52 ref.)

myo-inositol metabolites as cellular signals. Downes CP, et al. **Eur J Biochem** 1990 Oct 5;193(1):1–18 (226 ref.)

The role of glycosyl-phosphoinositides in hormone action. Saltiel AR. **J Bioenerg Biomembr** 1991 Feb;23(1):29–41 (43 ref.)

Phosphoinositide-mediated signal transduction in normal and psoriatic epidermis. Fisher GJ, et al. **J Invest Dermatol** 1990 Nov;95(5):15S–17S (9 ref.)

Receptors, phosphoinositol hydrolysis and plasticity of nerve cells. Pontzer NJ, et al. **Prog Brain Res** 1990;86:221–5 (20 ref.)

PHOSPHOLIPASE A1 see **PHOSPHOLIPASES A**

PHOSPHOLIPASE A2 see **PHOSPHOLIPASES A**

PHOSPHOLIPASE C

METABOLISM

Elevation of [Ca2+]i and the activation of ion channels and fluxes by extracellular ATP and phospholipase C-linked agonists in rat parotid acinar cells. Soltoff SP, et al. **Ann N Y Acad Sci** 1990;603:76–90; discussion 91–2 (38 ref.)

Avian G-protein-regulated phospholipase C. Harden TK, et al. **Biochem Soc Trans** 1991 Apr;19(2):342–6 (31 ref.)

The PtdIns-PLC superfamily and signal transduction. Meldrum E, et al. **Biochim Biophys Acta** 1991 Mar 19; 1092(1):49–71 (298 ref.)

Selective phospholipase C activation. Wahl M, et al. **Bioessays** 1991 Mar;13(3):107–13 (61 ref.)

Interactions between second messengers: cyclic AMP and phospholipase A2- and phospholipase C-metabolites. Di Marzo V, et al. **Life Sci** 1991;49(4):247–59 (85 ref.)

Tyrosine phosphorylation and the regulation of cell growth: growth factor-stimulated tyrosine phosphorylation of phospholipase C. Nishibe S, et al. **Semin Cancer Biol** 1990 Aug;1(4):285–92 (60 ref.)

[Signal transduction mechanism of Ca2(+)-mobilizing hormone receptor and GTP binding proteins] Okajima F. **Seikagaku** 1990 Sep;62(9):1117–43 (216 ref.) **(Jpn)**

PHYSIOLOGY

Phospholipase D in cell signalling and its relationship to phospholipase C. Shukla SD, et al. **Life Sci** 1991; 48(9):851–66 (132 ref.)

PHOSPHOLIPASE D

METABOLISM

Phospholipase D in the pancreatic islet: evidence suggesting the involvement of phosphatidic acid in signal transduction. Metz S, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21A:287–90 (17 ref.)

Receptor-coupled phospholipase D: regulation and functional significance. Billah MM, et al. **Biochem Soc Trans** 1991 Apr;19(2):324–9 (57 ref.)

Signal-dependent activation of phosphatidylcholine hydrolysis: role of phospholipase D. Liscovitch M. **Biochem Soc Trans** 1991 Apr;19(2):402–7 (54 ref.)

Regulation of the hydrolysis of phosphatidylcholine in Swiss 3T3 cells. Wakelam MJ, et al. **Biochem Soc Trans** 1991 Apr;19(2):321–4 (17 ref.)

PHYSIOLOGY

Phospholipase D in cell signalling and its relationship to phospholipase C. Shukla SD, et al. **Life Sci** 1991; 48(9):851–66 (132 ref.)

PHOSPHOLIPASES

ANALYSIS

Assay strategies and methods for phospholipases. Reynolds LJ, et al. **Methods Enzymol** 1991;197:3–23 (90 ref.)

ANTAGONISTS & INHIBITORS

Biology of phospholipase inhibitory proteins. Hirata F, et al. **Adv Exp Med Biol** 1990;279:211–8 (35 ref.)

Evaluation of inhibitors of lipolytic enzymes. Harwood JL, et al. **Trends Biochem Sci** 1990 Nov;15(11):409–10 (9 ref.)

CLASSIFICATION

Phospholipases, enzymes that share a substrate class. Waite M. **Adv Exp Med Biol** 1990;279:1–22 (66 ref.)

METABOLISM

The role of phospholipases and phospholipid-derived signals in cell activation. Ferguson JE, et al. **Curr Opin Cell Biol** 1991 Apr;3(2):206–12 (55 ref.)

Phospholipases in human parturition. Wilson T. **Reprod Fertil Dev** 1990;2(5):511–21 (99 ref.)

PHYSIOLOGY

Role of phospholipase in generating lipid second messengers in signal transduction. Dennis EA, et al. **FASEB J** 1991 Apr;5(7):2068–77 (51 ref.)

PHOSPHOLIPASES A

ANTAGONISTS & INHIBITORS

Pharmacological control of phospholipase A2 activity in vitro and in vivo. Marshall LA, et al. **Adv Exp Med Biol** 1990;275:169–82 (33 ref.)

Inhibition of phospholipase A2 by uteroglobin and antiflammin peptides. Miele L, et al. **Adv Exp Med Biol** 1990;279:137–60 (88 ref.)

Lipocortins as antiphospholipase A2 and anti-inflammatory proteins. Russo-Marie F. **Adv Exp Med Biol** 1990; 279:197–210 (52 ref.)

Phospholipase A2 as a "death trigger" in the aging process. The use of PLA2 inhibitors as antiaging substances. Regelson W, et al. **Ann N Y Acad Sci** 1991;621:262–76 (64 ref.)

Mechanism(s) of cytoprotective and anti-inflammatory activity of PGB1 oligomers: PGBx has potent anti-phospholipase A2 and anti-oxidant activity. Franson RC, et al. **Prostaglandins Leukot Essent Fatty Acids** 1991 Jun;43(2):63–70 (46 ref.)

BLOOD

Structure and properties of a secretable phospholipase A2 from human platelets. Kramer RM, et al. **Adv Exp Med Biol** 1990;275:35–53 (78 ref.)

CHEMISTRY

Comparative anatomy of phospholipase A2 structures. Ward

KB, et al. **Adv Exp Med Biol** 1990;279:23–36 (26 ref.)
Phospholipase A2 at the bilayer interface. Ramirez F, et al. **Proteins** 1991;9(4):229–39 (42 ref.)

METABOLISM

Activation of phospholipase A2 in rheumatoid arthritis. Bomalaski JS, et al. **Adv Exp Med Biol** 1990;279:231–8 (31 ref.)
The role of phospholipase A2 activating protein (PLAP) in regulating prostanoid production in smooth muscle and endothelial cells following leukotriene D4 treatment. Clark MA, et al. **Adv Exp Med Biol** 1990;275:125–44 (11 ref.)
Stimulation of phospholipases A2 by transglutaminases. Cordella-Miele E, et al. **Adv Exp Med Biol** 1990;279:105–23 (47 ref.)
Macrophage phospholipase A2 activity and eicosanoid production: studies with phospholipase A2 inhibitors in P388D1 cells. Glaser KB, et al. **Adv Exp Med Biol** 1990; 275:1–16 (26 ref.)
Activation, aggregation, inhibition and the mechanism of phospholipase A2. Hazlett TL, et al. **Adv Exp Med Biol** 1990;279:49–64 (84 ref.)
A novel bifunctional mechanism of surface recognition by phospholipase A2. Heinrikson RL, et al. **Adv Exp Med Biol** 1990;279:37–47 (30 ref.)
Probing the mechanism of pancreatic phospholipase A2 with the aid of recombinant DNA techniques. Kuipers OP, et al. **Adv Exp Med Biol** 1990;279:65–84 (55 ref.)
Soluble phospholipase A2 in human pathology: clinical-laboratory interface. Pruzanski W, et al. **Adv Exp Med Biol** 1990;279:239–51 (43 ref.)
Phospholipase A2 activation is the pivotal step in the effector pathway of inflammation. Vadas P, et al. **Adv Exp Med Biol** 1990;275:83–101 (85 ref.)
Mobilization and function of extracellular phospholipase A2 in inflammation. Weiss J, et al. **Adv Exp Med Biol** 1990; 275:103–13 (29 ref.)
Effects of extracellular ATP on phosphatidylcholine phospholipase signaling systems. Exton JH. **Ann N Y Acad Sci** 1990;603:246–54; discussion 254–5 (33 ref.)
Receptor-mediated activation of phospholipase A2 and arachidonic acid release in signal transduction. Axelrod J. **Biochem Soc Trans** 1990 Aug;18(4):503–7 (45 ref.)
Is phospholipase A2 activation regulated by G-proteins? Cockcroft S, et al. **Biochem Soc Trans** 1991 Apr;19(2):333–6 (25 ref.)
Regulation of phospholipase A2 by receptors in MDCK-D1 cells. Insel PA, et al. **Biochem Soc Trans** 1991 Apr; 19(2):329–33 (38 ref.)
Structural and enzymological properties of cellular phospholipases A2. van den Bosch H, et al. **Biochem Soc Trans** 1990 Oct;18(5):781–5 (40 ref.)
Regulation of the hydrolysis of phosphatidylcholine in Swiss 3T3 cells. Wakelam MJ, et al. **Biochem Soc Trans** 1991 Apr;19(2):321–4 (17 ref.)
Interactions between second messengers: cyclic AMP and phospholipase A2- and phospholipase C-metabolites. Di Marzo V, et al. **Life Sci** 1991;49(4):247–59 (85 ref.)

PHYSIOLOGY

Phospholipases in biology and medicine. Kaiser E, et al. **Clin Biochem** 1990 Oct;23(5):349–70 (324 ref.)
Phospholipase A2—a mediator between proximal and distal effectors of inflammation. Pruzanski W, et al. **Immunol Today** 1991 May;12(5):143–6 (58 ref.)

PHOSPHOLIPID ETHERS

METABOLISM

Platelet-activating factor and related acetylated lipids as potent biologically active cellular mediators. Snyder F. **Am J Physiol** 1990 Nov;259(5 Pt 1):C697–708 (141 ref.)

PHARMACOLOGY

[The pharmacologic and biochemical effects of unsaturated phospholipids] Gordienko AD. **Farmakol Toksikol** 1990 Sep-Oct;53(5):78–81 (31 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Membrane-interactive lipids as experimental anticancer drugs [editorial] Berdel WE. **Br J Cancer** 1991 Aug;64(2):208–11 (60 ref.)
Ether lipids in cancer chemotherapy. Berdel WE, et al. **Keio J Med** 1990 Jun;39(2):75–8 (36 ref.)
Ether lipids and derivatives as investigational anticancer drugs. A brief review. Berdel WE. **Onkologie** 1990 Aug; 13(4):245–50 (71 ref.)

PHOSPHOLIPIDS

Phospholipids at the oil/water interface: adsorption and interfacial phenomena in an electric field. Shchipunov YA, et al. **Adv Colloid Interface Sci** 1991 Mar;35:31–138 (311 ref.)
Surface chemistry of phospholipid vesicles relevant to their aggregation and fusion. MacDonald RC. **Hepatology** 1990 Sep;12(3 Pt 2):56S–60S (23 ref.)

BIOSYNTHESIS

Dietary regulation of essential fatty acid metabolism and membrane phospholipid composition. Wahle KW. **Biochem Soc Trans** 1990 Oct;18(5):775–8 (54 ref.)
Molecular insights into enzymes of membrane bilayer assembly. Hjelmstad RH, et al. **Biochemistry** 1991 Feb 19; 30(7):1731–40 (90 ref.)

BLOOD

[Membrane phospholipid peroxidation in renal insufficiency and chronic hemodialysis] Paul JL, et al. **Nephrologie** 1991; 12(1):4–7 (39 ref.) (Eng. Abstr.) **(Fre)**

CHEMISTRY

Monolayers and planar or curved bilayers. Gabrielli G. **Adv Colloid Interface Sci** 1991 Jan;34:31–72 (76 ref.)
Molecular details of anesthetic-lipid interaction. Smith IC, et al. **Ann N Y Acad Sci** 1991;625:668–84 (29 ref.)
Phospholipid and phospholipid-protein monolayers at the air/water interface. Möhwald H. **Annu Rev Phys Chem** 1990;41:441–76 (126 ref.)
Phase transitions of polymerizable phospholipids. Blume A. **Chem Phys Lipids** 1991 Mar;57(2–3):253–73 (108 ref.)
Effect of inorganic cations on phase transitions. Hauser H. **Chem Phys Lipids** 1991 Mar;57(2–3):309–25 (55 ref.)
Phospholipid phase transitions: kinetics and structural mechanisms. Laggner P, et al. **Chem Phys Lipids** 1991 Mar; 57(2–3):121–45 (131 ref.)
Effects of small organic molecules on phospholipid phase transitions. Lohner K. **Chem Phys Lipids** 1991 Mar; 57(2–3):341–62 (172 ref.)
Phospholipid phase transitions in model and biological membranes as studied by infrared spectroscopy. Mantsch HH, et al. **Chem Phys Lipids** 1991 Mar;57(2–3):213–26 (27 ref.)
General features of phospholipid phase transitions. Marsh D. **Chem Phys Lipids** 1991 Mar;57(2–3):109–20 (43 ref.)
Theoretical models of phospholipid phase transitions. Mouritsen OG. **Chem Phys Lipids** 1991 Mar;57(2–3):179–94 (82 ref.)
Thermotropic properties of phospholipid analogues. Silvius JR. **Chem Phys Lipids** 1991 Mar;57(2–3):241–52 (111 ref.)
Polymorphic phospholipid phase transitions as tools to understand peptide-lipid interactions. Tournois H, et al. **Chem Phys Lipids** 1991 Mar;57(2–3):327–40 (104 ref.)
Phospholipid phase transitions as revealed by NMR. Watts A, et al. **Chem Phys Lipids** 1991 Mar;57(2–3):195–211 (73 ref.)
Fluorescence microscopy of phospholipid monolayer phase transitions. Weis RM. **Chem Phys Lipids** 1991 Mar; 57(2–3):227–39 (93 ref.)
Biochemistry of the neurolipids. Svennerholm L. **Ups J Med Sci Suppl** 1990;48:7–19 (15 ref.)

IMMUNOLOGY

Immunology and clinical importance of antiphospholipid antibodies. McNeil HP, et al. **Adv Immunol** 1991;49:193–280 (401 ref.)
Systemic lupus erythematosus: recent developments. Marmont AM, et al. **Ann Ital Med Int** 1988;3 Suppl 1:38–52 (97 ref.)
Maternal autoantibodies and pregnancy—I: The antiphospholipid antibody syndrome. Harris EN. **Baillieres Clin Rheumatol** 1990 Apr;4(1):53–68 (91 ref.)
Antiphospholipid antibodies and recurrent pregnancy loss. Brown HL. **Clin Obstet Gynecol** 1991 Mar;34(1):17–26 (76 ref.)
The 'antiphospholipid syndrome' and the 'lupus anticoagulant'. Cameron JS, et al. **Pediatr Nephrol** 1990 Nov;4(6):663–78 (184 ref.)
Antiphospholipid antibody syndrome: immunologic and clinical aspects. Sammaritano LR, et al. **Semin Arthritis Rheum** 1990 Oct;20(2):81–96 (206 ref.)
Repeated intestinal ulcerations in a patient with systemic lupus erythematosus and high serum antiphospholipid antibody levels. Sasamura H, et al. **South Med J** 1991 Apr; 84(4):515–7 (7 ref.)
[Antiphospholipid antibodies] Jansen J, et al. **Ugeskr Laeger** 1991 Jan 7;153(2):95–9 (30 ref.) (Eng. Abstr.) **(Dan)**
[Antiphospholipid antibodies: physiopathology and clinical aspects] Todesco S. **G Clin Med** 1990 Nov;71(11):627–30, 633–7 (61 ref.) **(Ita)**
[Lupus anticoagulants and antiphospholipid antibodies] Ichikawa Y. **Ryumachi** 1991 Feb;31(1):78–85 (144 ref.) **(Jpn)**
[Antiphospholipid syndrome and cardiovascular disease] Garcia Bolao JI, et al. **Rev Med Univ Navarra** 1990 Jul–Sep; 34(3):151–5 (45 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

The regulation of Ca2+ accumulation and phospholipid metabolism in human platelets. Rittenhouse SE, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:370–4 (16 ref.)
Aminoglycoside-induced renal phospholipidosis and nephrotoxicity. Laurent G, et al. **Biochem Pharmacol** 1990 Dec 1;40(11):2383–92 (95 ref.)
Arachidonate release consequent to bradykinin-stimulated phospholipid metabolism in dorsal root ganglion cells. Morell P, et al. **Biochem Soc Trans** 1991 Apr;19(2):411–6 (16 ref.)
Membrane phospholipids as an energy source in the operation of the visual cycle. Rando RR. **Biochemistry** 1991 Jan 22; 30(3):595–602 (40 ref.)
Phospholipid fatty acid remodeling in mammalian cells. MacDonald JI, et al. **Biochim Biophys Acta** 1991 Jul 9; 1084(2):105–21 (123 ref.)
Phospholipid-mediated signaling in receptor activation of human platelets. Nozawa Y, et al. **Biochim Biophys Acta** 1991 Apr 3;1082(3):219–38 (253 ref.)
Control of the transmembrane phospholipid distribution in eukaryotic cells by aminophospholipid translocase. Devaux PF, et al. **Biotechnol Appl Biochem** 1990 Oct;12(5):517–22 (18 ref.)
The role of phospholipases and phospholipid-derived signals in cell activation. Ferguson JE, et al. **Curr Opin Cell Biol** 1991 Apr;3(2):206–12 (55 ref.)
Regulation of eukaryotic phospholipid metabolism. Kent C, et al. **FASEB J** 1991 Jun;5(9):2258–66 (47 ref.)
Membrane-associated cytoskeleton and transbilayer phospholipid asymmetry. Gupta CM. **Indian J Biochem Biophys** 1990 Dec;27(6):365–7 (41 ref.)
Interaction of phospholipids with proteins, peptides and amino acids. New advances 1987–1989. Cserháti T, et al. **Int J Biochem** 1991;23(2):131–45 (218 ref.)
Membrane phospholipids and the dark side of vision. Rando RR. **J Bioenerg Biomembr** 1991 Feb;23(1):133–46 (30 ref.)
Mechanism of immunologic suppression in burn injury. Alexander JW. **J Trauma** 1990 Dec;30(12 Suppl):S70–5 (21 ref.)
Cationic amphiphilic drugs and phospholipid storage disorder. Kodavanti UP, et al. **Pharmacol Rev** 1990 Dec; 42(4):327–54 (355 ref.)
Lipid-derived mediators in insulin action. Farese RV. **Proc Soc Exp Biol Med** 1990 Dec;195(3):312–24 (114 ref.)
The interaction between taurine, calcium and phospholipids: further investigations of a trinitarian hypothesis. Huxtable RJ. **Prog Clin Biol Res** 1990;351:185–96 (33 ref.)
Phospholipid transfer proteins as probes of membrane structure and function. Crain RC. **Subcell Biochem** 1990; 16:45–67 (129 ref.)
Intracellular transfer of phospholipids, galactolipids, and fatty acids in plant cells. Kader JC. **Subcell Biochem** 1990; 16:69–111 (77 ref.)
Phospholipid transport in microorganisms. Paltauf F, et al. **Subcell Biochem** 1990;16:279–99 (58 ref.)
Application of fluorescent phospholipid analogues to studies on phospholipid transfer proteins. Somerharju PJ, et al. **Subcell Biochem** 1990;16:21–43 (69 ref.)
Enzyme activities affecting tissue lipid fatty acid composition. Sprecher H. **World Rev Nutr Diet** 1991;66:166–76 (33 ref.)

PHYSIOLOGY

Static and dynamic lipid asymmetry in cell membranes. Devaux PF. **Biochemistry** 1991 Feb 5;30(5):1163–73 (111 ref.)
Multiple roles for surface-active phospholipid in hypertension. Hills BA. **Med Hypotheses** 1990 Dec; 33(4):275–81 (54 ref.)
Phospholipids and electrolyte transport. Yorio T, et al. **Proc Soc Exp Biol Med** 1990 Dec;195(3):293–303 (100 ref.)

PHOSPHONOACETATE see **PHOSPHONOACETIC ACID**

PHOSPHONOACETIC ACID

ANALOGS & DERIVATIVES

Foscarnet sodium. Minor JR, et al. **DICP** 1991 Jan;25(1):41–7 (59 ref.)
Foscarnet. A review of its antiviral activity, pharmacokinetic properties and therapeutic use in immunocompromised patients with cytomegalovirus retinitis. Chrisp P, et al. **Drugs** 1991 Jan;41(1):104–29 (104 ref.)
Approaches to the treatment of cytomegalovirus retinitis: ganciclovir and foscarnet. Jacobson MA, et al. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S11–5 (26 ref.)
The role of low-dose PALA in biochemical modulation. O'Dwyer PJ. **Pharmacol Ther** 1990;48(3):371–80 (104 ref.)

PHOSPHONOMYCIN see **FOSFOMYCIN**

PHOSPHOPROTEIN PHOSPHATASES

Protein phosphatases: recent progress. Shenolikar S, et al. **Adv Second Messenger Phosphoprotein Res** 1991;23:1–121 (541 ref.)

CHEMISTRY

Molecular characterization of protein tyrosine phosphatases. Saito H, et al. **Cell Growth Differ** 1991 Jan;2(1):59–65 (78 ref.)
Sequence homologies between guanylyl cyclases and structural analogies to other signal-transducing proteins. Koesling D, et al. **FEBS Lett** 1991 Mar 25;280(2):301–6 (30 ref.)
[Structure and function of protein phosphatases] Tsuiki S, et al. **Seikagaku** 1991 Jun;63(6):403–14 (155 ref.) **(Jpn)**

CLASSIFICATION

[Recent progress in protein phosphatase research] Kikuchi K. **Tanpakushitsu Kakusan Koso** 1991 Feb;36(2):137–47 (95 ref.) **(Jpn)**

GENETICS

Protein tyrosine phosphatases: a diverse family of intracellular and transmembrane enzymes. Fischer EH, et al. **Science** 1991 Jul 26;253(5018):401–6 (79 ref.)

METABOLISM

The structure and regulation of protein phosphatases. Cohen P. **Adv Second Messenger Phosphoprotein Res** 1990; 24:230–5 (5 ref.)

Protein phosphatases: key players in the regulation of cell function. Tonks NK. **Curr Opin Cell Biol** 1990 Dec; 2(6):1114–24 (25 ref.)

PHYSIOLOGY

Protein tyrosine phosphatases: a novel family of enzymes involved in transmembrane signalling. Fischer EH, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:273–9 (15 ref.)

When worlds collide: immunosuppressants meet protein phosphatases. McKeon F. **Cell** 1991 Sep 6;66(5):823–6 (28 ref.)

The role of phosphatases in signal transduction. Alexander DR. **New Biol** 1990 Dec;2(12):1049–62 (132 ref.)

PHOSPHOPROTEIN PHOSPHOHYDROLASES see **PHOSPHOPROTEIN PHOSPHATASES**

PHOSPHOPROTEIN PP53 see **PROTEIN P53**

PHOSPHOPROTEINS

ANALYSIS

The possible relationship between the mineralization of dentin and the composition of its organic matrix. Steinfort J, et al. **J Biol Buccale** 1990 Jun;18(2):131–3 (10 ref.)

METABOLISM

Signal transduction pathways involving protein phosphorylation in prokaryotes. Bourret RB, et al. **Annu Rev Biochem** 1991;60:401–41 (222 ref.)

Cytokine regulation of protein phosphorylation. Farrar WL, et al. **Cytokine** 1990 Mar;2(2):77–91 (139 ref.)

B–50 (GAP–43): biochemistry and functional neurochemistry of a neuron–specific phosphoprotein. Coggins PJ, et al. **J Neurochem** 1991 Apr;56(4):1095–106 (117 ref.)

PHOSPHOPYRUVATE HYDRATASE

BLOOD

[Diagnostic value of biochemical tumor markers in brain tumors. Review of the literature and own experience with serum analysis of sialic acid (NANA), carcinoembryonic antigen (CEA) and neuron–specific enolase (NSE)] Flaschka G, et al. **Zentralbl Neurochir** 1990;51(3):129–37 (80 ref.) (Eng. Abstr.) **(Ger)**

PHOSPHORESCENCE see **LUMINESCENCE**

PHOSPHORIBOSYL PYROPHOSPHATE SYNTHETASE see **RIBOSEPHOSPHATE PYROPHOSPHOKINASE**

PHOSPHORIC ACID ESTERS

POISONING

[Phosphoric acid esters: poisoning and therapy at the molecular sight] Holzgrabe U, et al. **Pharm Unserer Zeit** 1990 Nov;19(6):247–56 (5 ref.) **(Ger)**

PHOSPHORUS

see related
ORGANOPHOSPHORUS COMPOUNDS

ANALYSIS

[Spectroscopy of phosphorus in nuclear magnetic resonance. General review of clinical applications to the study of human skeletal muscle] Kaminsky P, et al. **Rev Med Interne** 1991 Mar–Apr;12(2):128–30, 133–8 (52 ref.) (Eng. Abstr.) **(Fre)**

BLOOD

[Ankylosing spondylitis and phosphocalcic parameters] Wendling D, et al. **Rev Rhum Mal Osteoartic** 1991 Apr; 58(4):279–81 (16 ref.) (Eng. Abstr.) **(Fre)**

DEFICIENCY

Hypophosphatemia: pathophysiological and practical aspects of its therapy. Rubin MF, et al. **Semin Nephrol** 1990 Nov; 10(6):536–45 (57 ref.)

ISOLATION & PURIFICATION

Biological phosphorus removal in wastewater treatment. Timmerman MW. **Microbiol Sci** 1984 Sep;1(6):149–52 (24 ref.)

PHARMACOLOGY

Excess phosphorus impairs manganese utilization in chicks. **Nutr Rev** 1991 Apr;49(4):125–7 (7 ref.)

PHOSPHORUS METABOLISM DISORDERS

Disorders of calcium and phosphorus homeostasis. Gertner JM. **Pediatr Clin North Am** 1990 Dec;37(6):1441–65 (21 ref.)

PHOSPHORUS RADIOISOTOPES

THERAPEUTIC USE

Intraperitoneal radioactive phosphate in early ovarian carcinoma: an analysis of complications. Walton LA, et al. **Int J Radiat Oncol Biol Phys** 1991 May;20(5):939–44 (32 ref.)

PHOSPHORYLASE KINASE

DEFICIENCY

Adult phosphorylase b kinase deficiency. Clemens PR, et al. **Ann Neurol** 1990 Oct;28(4):529–38 (55 ref.)

Muscle glycogenosis. Moses SW. **J Inherited Metab Dis** 1990; 13(4):452–65 (50 ref.)

Phosphorylase b kinase deficiency in man: a review. Van den Berg IE, et al. **J Inherited Metab Dis** 1990;13(4):442–51 (39 ref.)

GENETICS

Molecular genetics of phosphorylase kinase: cDNA cloning, chromosomal mapping and isoform structure. Kilimann MW. **J Inherited Metab Dis** 1990;13(4):435–41 (26 ref.)

PHYSIOLOGY

Molecular basis of signal integration in phosphorylase kinase. Heilmeyer LM Jr. **Biochim Biophys Acta** 1991 Sep 3; 1094(2):168–74 (40 ref.)

PHOSPHORYLATION

Protein phosphorylation: a motive force for adaptive evolution. Vener AV. **Biosystems** 1990;24(1):53–9 (48 ref.)

PHOSPHORYLCHOLINE

ANALOGS & DERIVATIVES

Hexadecylphosphocholine: a new and selective antitumor drug. Eibl H, et al. **Cancer Treat Rev** 1990 Sep; 17(2–3):233–42 (21 ref.)

PHOSPHORYLCHOLINE CHLORIDE see **PHOSPHORYLCHOLINE**

PHOSPHOTRANSFERASES

METABOLISM

Pyrophosphate–dependent phosphofructokinase, an anaerobic glycolytic enzyme? Mertens E. **FEBS Lett** 1991 Jul 8;285(1):1–5 (27 ref.)

Resistance to aminoglycosides: the situation in the Federal Republic of Germany. Naber KG, et al. **J Int Med Res** 1990;18 Suppl 4:6D–26D (20 ref.)

PHOSPHOTRANSFERASES, ATP

ANTAGONISTS & INHIBITORS

The use of diacylglycerol kinase inhibitors for elucidating the roles of protein kinase C. de Chaffoy de Courcelles D. **Adv Second Messenger Phosphoprotein Res** 1990; 24:491–6 (50 ref.)

METABOLISM

Phosphoinositide kinases. Carpenter CL, et al. **Biochemistry** 1990 Dec 25;29(51):11147–56 (91 ref.)

ULTRASTRUCTURE

Electron microscopy and image analysis of the complexes I and V of the mitochondrial respiratory chain. Brink J, et al. **Electron Microsc Rev** 1988;1(2):175–99 (121 ref.)

PHOSPHOTRIOSE ISOMERASE see **TRIOSEPHOSPHATE ISOMERASE**

PHOTIC STIMULATION

Physiological basis for photic entrainment. Meijer JH. **Eur J Morphol** 1990;28(2–4):308–16 (28 ref.)

PHOTOAGING OF SKIN see **SKIN AGING**

PHOTOALLERGY see **PHOTOSENSITIVITY DISORDERS**

PHOTOBACTERIUM

ENZYMOLOGY

Do photosynthetic and respiratory electron transport chains share redox proteins? Scherer S. **Trends Biochem Sci** 1990 Dec;15(12):458–62 (38 ref.)

PHOTOCHEMICAL REACTION CENTER, BACTERIAL see **PHOTOSYNTHETIC REACTION CENTER, BACTERIAL**

PHOTOCHEMICAL REACTION CENTER, PLANT see **PHOTOSYNTHETIC REACTION CENTER, PLANT**

PHOTOCHEMISTRY

Mechanisms of photodynamic effects of furocoumarins. Potapenko AYa. **J Photochem Photobiol B** 1991 Apr; 9(1):1–33 (214 ref.)

PHOTOCHEMOTHERAPY

Perspectives for the combined use of photodynamic therapy and hyperthermia in cancer patient. Freitas I, et al. **Adv Exp Med Biol** 1990;267:511–20 (28 ref.)

Photodynamic therapy. Puolakkainen P, et al. **Ann Chir Gynaecol** 1990;79(4):240–3 (31 ref.)

Photodynamic therapy. Pope AJ, et al. **Br J Urol** 1991 Jul; 68(1):1–9 (32 ref.)

The effect of therapy on tumour vascular function. Chaplin DJ. **Int J Radiat Biol** 1991 Jul–Aug;60(1–2):311–25 (97 ref.)

Photodynamic therapy to scientists and clinicians—one world or two? Bown SG. **J Photochem Photobiol B** 1990 Jun; 6(1–2):1–12 (18 ref.)

Of what value is a highly absorbing photosensitizer in PDT? Dougherty TJ, et al. **J Photochem Photobiol B** 1991 Jan; 8(2):223–5 (9 ref.)

Review of photodynamic therapy for gastrointestinal tumours in the past 6 years in China. Jin ML, et al. **J Photochem Photobiol B** 1990 Sep;7(1):87–92 (6 ref.)

Photodynamic therapy for ocular tumors. Lingua RW. **J Photochem Photobiol B** 1991 Apr;9(1):119–22 (13 ref.)

Photodynamic therapy of brain tumours—post–operative "field fractionation". Muller P, et al. **J Photochem Photobiol B** 1991 Apr;9(1):117–9 (6 ref.)

The possible role of ionic species in selective biodistribution of photochemotherapeutic agents toward neoplastic tissue. Pottier R, et al. **J Photochem Photobiol B** 1990 Dec 1; 8(1):1–16 (100 ref.)

Chlorins as photosensitizers in biology and medicine. Spikes JD. **J Photochem Photobiol B** 1990 Jul;6(3):259–74 (97 ref.)

Photosensitized processes in vivo: proposed phototherapeutic applications. Jori G. **Photochem Photobiol** 1990 Aug; 52(2):439–43 (24 ref.)

Phthalocyanines as photodynamic sensitizers. Rosenthal I. **Photochem Photobiol** 1991 Jun;53(6):859–70 (98 ref.)

[The application of photopheresis in the therapy of cancerous and autoimmune diseases] Dall'Amico R, et al. **Recenti Prog Med** 1991 May;82(5):294–9 (15 ref.) (Eng. Abstr.) **(Ita)**

[Photodynamic therapy in the urological field] Hisazumi H. **Nippon Hinyokika Gakkai Zasshi** 1991 Jun;82(6):865–70 (41 ref.) **(Jpn)**

[Cancer treatment can be "tailor–made" with laser surgery and photochemistry] Löfgren L. **Lakartidningen** 1990 Sep 5;87(36):2754, 2757–60 (12 ref.) **(Swe)**

ADVERSE EFFECTS

Photocarcinogenicity of psoralens used in PUVA treatment: present status in mouse and man. Young AR. **J Photochem Photobiol B** 1990 Jun;6(1–2):237–47 (70 ref.)

Recent studies on photodamage to the eye with special reference to clinical phototherapeutic procedures. Andley UP, et al. **Photodermatol Photoimmunol Photomed** 1990 Jun; 7(3):98–105 (64 ref.)

METHODS

Photopheresis for T cell mediated diseases. Heald PW, et al. **Adv Dermatol** 1988;3:25–40 (16 ref.)

Photodynamic therapy in the management of head and neck cancer. Gluckman JL, et al. **Cancer Treat Res** 1990; 52:95–113 (81 ref.)

Recent advances in phototherapy and photochemotherapy of skin disease. Morison WL. **J Dermatol Sci** 1990 May; 1(3):141–7 (21 ref.)

The role of the low density lipoprotein receptor pathway in the delivery of lipophilic photosensitizers in the photodynamic therapy of tumours. Mazière JC, et al. **J Photochem Photobiol B** 1991 Mar;8(4):351–60 (46 ref.)

Future directions of laser phototherapy for diagnosis and treatment of malignancies: fantasy, fallacy, or reality? Castro DJ, et al. **Laryngoscope** 1991 Jul;101(7 Pt 2 Suppl 55):1–10 (66 ref.)

Photodynamic therapy using rhodamine–123 as a new laser dye: biodistribution, metabolism and histology in New Zealand rabbits. Castro DJ, et al. **Laryngoscope** 1991 Feb;

101(2):158–64 (26 ref.)
Whole bladder photodynamic therapy: critical review of present–day technology and rationale for development of intravesical laser catheter and monitoring system. Nseyo UO, et al. **Urology** 1990 Nov;36(5):398–402 (17 ref.)
[The photodynamic therapy of gastrointestinal carcinomas. The determination of the place of a new treatment method] Schlag P, et al. **Dtsch Med Wochenschr** 1991 Apr 19; 116(16):619–24 (36 ref.) **(Ger)**
[Laser photosensitizing therapy in cardiology] Bobrov VA, et al. **Ter Arkh** 1990;62(9):145–7 (43 ref.) **(Rus)**

PHOTOCOAGULATION see **LIGHT COAGULATION**

PHOTODENSITOMETRY see **DENSITOMETRY, X-RAY**

PHOTODERMATITIS see **PHOTOSENSITIVITY DISORDERS**

PHOTODYNAMIC THERAPY see **PHOTOCHEMOTHERAPY**

PHOTOGRAPHY

see related
MOTION PICTURES
A methodology for near–optimal computational superimposition of two–dimensional digital facial photographs and three–dimensional cranial surface meshes. Nickerson BA, et al. **J Forensic Sci** 1991 Mar;36(2):480–500 (39 ref.)

PHOTOLYSIS

Photodecomposition of drugs. Greenhill JV, et al. **Prog Med Chem** 1990;27:51–121 (233 ref.)

PHOTOMETRY

METHODS
Analytical applications of bioluminescence—a matter of proper kinetic design and recording. Brolin SE, et al. **J Biochem Biophys Methods** 1991 Jan;22(1):1–18 (47 ref.)

PHOTOMICROGRAPHY

Quantification of enzyme activities in brain sections by microphotometry. Kugler P. **Int J Biochem** 1991; 23(7–8):657–61 (26 ref.)

PHOTONS see **RADIATION**

PHOTOPROTEINS see **LUMINESCENT PROTEINS**

PHOTORADIATION see **LIGHT**

PHOTORADIATION THERAPY see **PHOTOTHERAPY**

PHOTOREACTIVATING ENZYME see **DNA PHOTOLYASE**

PHOTORECEPTORS

EMBRYOLOGY
Mechanisms of positional signalling in the developing eye of Drosophila studied by ectopic expression of sevenless and rough. Hafen E, et al. **J Cell Sci Suppl** 1990;13:157–68 (38 ref.)

ENZYMOLOGY
The molecular genetics of retinal photoreceptor proteins involved in cGMP metabolism. Pittler SJ, et al. **Prog Clin Biol Res** 1991;362:33–66 (93 ref.)

METABOLISM
Na–Ca or Na–Ca–K exchange in rod photoreceptors. Schnetkamp PP. **Prog Biophys Mol Biol** 1989;54(1):1–29 (70 ref.)
Cyclic GMP and calcium: the internal messengers of excitation and adaptation in vertebrate photoreceptors. Pugh EN Jr, et al. **Vision Res** 1990;30(12):1923–48 (140 ref.)

PHYSIOLOGY
Actin filaments and photoreceptor membrane turnover. Williams DS. **Bioessays** 1991 Apr;13(4):171–8 (39 ref.)
The epistellar body and what followed from its discovery. Young JZ. **Boll Soc Ital Biol Sper** 1990 Jul;66(7):607–13 (19 ref.)
Phototransduction: different mechanisms in vertebrates and invertebrates. Rayer B, et al. **J Photochem Photobiol B** 1990 Nov;7(2–4):107–48 (263 ref.)
The light–suppressible K+ conductance and evaluation of internal messenger candidates in the molluscan extraocular photoreceptor. Gotow T, et al. **Neurosci Res Suppl** 1990; 12:S145–59 (41 ref.)
Molecular genetic studies of photoreceptor function using Drosophila mutants. Pak WL. **Prog Clin Biol Res** 1991; 362:1–32 (93 ref.)
Calcium and the mechanism of light adaptation in vertebrate photoreceptors. Fain GL, et al. **Trends Neurosci** 1990 Sep; 13(9):378–84 (68 ref.)
[Melatonin in the retina of vertebrates] Zawilska J, et al. **Acta Physiol Pol** 1989;40 Suppl 33:28–96 (252 ref.) **(Pol)**

PHOTOSENSITIVITY DISORDERS

Polymorphic light eruption. Norris PG, et al. **Photodermatol Photoimmunol Photomed** 1990 Oct; 7(5):186–91 (50 ref.)

DIAGNOSIS
Screening for potential in vivo phototoxicity in the lens/retina. Roberts JE, et al. **Lens Eye Toxic Res** 1990; 7(3–4):655–66 (38 ref.)

DRUG THERAPY
Tretinoin treatment of photodamaged skin. Cosmesis through medical therapy. Weiss JS, et al. **Dermatol Clin** 1991 Jan; 9(1):123–9 (21 ref.)

ETIOLOGY
[Polymorphous light eruption induced by UVA] Vaillant L, et al. **Ann Dermatol Venereol** 1990;117(12):963–4 (8 ref.) **(Fre)**

PATHOLOGY
Mechanisms of phototoxicity in porphyria cutanea tarda and erythropoietic protoporphyria. Lim HW. **Immunol Ser** 1989;46:671–85 (37 ref.)
Actinic reticuloid. Toonstra J. **Semin Diagn Pathol** 1991 May; 8(2):109–16 (50 ref.)

THERAPY
Carotenoid functions in photoprotection and cancer prevention. Mathews–Roth MM. **J Environ Pathol Toxicol Oncol** 1990 Jul–Oct; 10(4–5):181–92 (76 ref.)

PHOTOSYNTHESIS

Regulation of CO2 assimilation in oxygenic photosynthesis: the ferredoxin/thioredoxin system. Perspective on its discovery, present status, and future development. Buchanan BB. **Arch Biochem Biophys** 1991 Jul;288(1):1–9 (93 ref.)
The chlorophyll triplet state as a probe of structure and function in photosynthesis. Budil DE, et al. **Biochim Biophys Acta** 1991 Mar 1;1057(1):1–41 (444 ref.)
Evolution of cytochromes and photosynthesis. Meyer TE. **Biochim Biophys Acta** 1991 May 23;1058(1):31–4 (36 ref.)
The role of plasma membrane redox activity in light effects in plants. Rubinstein B, et al. **J Bioenerg Biomembr** 1991 Jun;23(3):393–408 (87 ref.)
Photosynthetic phagotrophy of Chrysophyceae: evolutionary aspects. Ishida Y, et al. **Microbiol Sci** 1986 May;3(5):132–5 (16 ref.)
Transcriptional regulatory cascade of nitrogen–fixation genes in anoxygenic photosynthetic bacteria: oxygen– and nitrogen–responsive factors. Kranz RG, et al. **Mol Microbiol** 1990 Nov;4(11):1793–800 (49 ref.)
Restricted diffusion in photosynthetic membranes. Lavergne J, et al. **Trends Biochem Sci** 1991 Apr;16(4):129–34 (22 ref.)
Do photosynthetic and respiratory electron transport chains share redox proteins? Scherer S. **Trends Biochem Sci** 1990 Dec;15(12):458–62 (38 ref.)
Spatial regulation of photosynthetic development in C4 plants. Langdale JA, et al. **Trends Genet** 1991 Jun; 7(6):191–6 (39 ref.)
[Molecular organization of photosystem I reaction center] Takabe T. **Tanpakushitsu Kakusan Koso** 1991 Jun; 36(8):1521–31 (44 ref.) **(Jpn)**

PHOTOSYNTHETIC REACTION CENTER, BACTERIAL

The chlorophyll triplet state as a probe of structure and function in photosynthesis. Budil DE, et al. **Biochim Biophys Acta** 1991 Mar 1;1057(1):1–41 (444 ref.)
Restricted diffusion in photosynthetic membranes. Lavergne J, et al. **Trends Biochem Sci** 1991 Apr;16(4):129–34 (22 ref.)

CHEMISTRY
High–resolution structures of photosynthetic reaction centers. Deisenhofer J, et al. **Annu Rev Biophys Biophys Chem** 1991;20:247–66 (117 ref.)

GENETICS
Photosynthetic reaction centers: interfacing molecular genetics and optical spectroscopy. Youvan DC. **Trends Biochem Sci** 1991 Apr;16(4):145–9 (42 ref.)

PHOTOSYNTHETIC REACTION CENTER, PLANT

The chlorophyll triplet state as a probe of structure and function in photosynthesis. Budil DE, et al. **Biochim Biophys Acta** 1991 Mar 1;1057(1):1–41 (444 ref.)

CHEMISTRY
[Molecular organization of cyanobacterial photosystems] Ikeuchi M. **Tanpakushitsu Kakusan Koso** 1991 Jul; 36(9):1591–6 (34 ref.) **(Jpn)**

GENETICS
[Molecular organization of photosystem I reaction center] Takabe T. **Tanpakushitsu Kakusan Koso** 1991 Jun; 36(8):1521–31 (44 ref.) **(Jpn)**

METABOLISM
Ferredoxin–dependent chloroplast enzymes. Knaff DB, et al. **Biochim Biophys Acta** 1991 Jan 22;1056(2):93–125 (337 ref.)
A guide to electron paramagnetic resonance spectroscopy of Photosystem II membranes. Miller AF, et al. **Biochim Biophys Acta** 1991 Jan 3;1056(1):1–18 (150 ref.)
Chlorophyll a/b–binding proteins: an extended family. Green BR, et al. **Trends Biochem Sci** 1991 May;16(5):181–6 (36 ref.)

PHOTOSYSTEM I REACTION CENTER see **PHOTOSYNTHETIC REACTION CENTER, PLANT**

PHOTOSYSTEM II REACTION CENTER see **PHOTOSYNTHETIC REACTION CENTER, PLANT**

PHOTOTHERAPY

Management of neonatal hyperbilirubinemia: rational use of phototherapy. Polin RA. **Biol Neonate** 1990;58 Suppl 1:32–43 (47 ref.)
Retinal melatonin and dopamine in seasonal affective disorder. Oren DA. **J Neural Transm Gen Sect** 1991; 83(1–2):85–95 (69 ref.)
Is morning light exposure superior to evening light in treating seasonal affective disorder? Avery D, et al. **Psychopharmacol Bull** 1990;26(4):521–4 (20 ref.)
Is light treatment a placebo? Brown WA. **Psychopharmacol Bull** 1990;26(4):527–30 (13 ref.)
What the placebo literature can tell us about light therapy for SAD. Eastman CI. **Psychopharmacol Bull** 1990; 26(4):495–504 (49 ref.)
Placebos in evaluating light therapy for seasonal affective disorder. Stewart J. **Psychopharmacol Bull** 1990;26(4):525–6 (5 ref.)
Experimental design and measures of success in the treatment of winter depression by bright light. Terman M, et al. **Psychopharmacol Bull** 1990;26(4):505–10 (17 ref.)
Morning light exposure for the treatment of winter depression: the one true light therapy? Wirz–Justice A, et al. **Psychopharmacol Bull** 1990;26(4):511–20 (35 ref.)
Endothelium–dependent relaxation, endothelium–derived relaxing factor and photorelaxation of blood vessels. Furchgott RF. **Semin Perinatol** 1991 Feb;15(1):11–5 (33 ref.)
[Phototherapy of newborn infants] Knudsen A, et al. **Ugeskr Laeger** 1991 Apr 8;153(15):1044–6 (30 ref.) **(Eng. Abstr.) (Dan)**

ADVERSE EFFECTS
Recent studies on photodamage to the eye with special reference to clinical phototherapeutic procedures. Andley UP, et al. **Photodermatol Photoimmunol Photomed** 1990 Jun; 7(3):98–105 (64 ref.)

METHODS
Attempts to enhance locoregional control of cancer by radiotherapy, phototherapy, and combined modality therapy. Ruckdeschel JC. **Curr Opin Oncol** 1989 Dec; 1(2):231–5 (30 ref.)
Recent advances in phototherapy and photochemotherapy of skin disease. Morison WL. **J Dermatol Sci** 1990 May; 1(3):141–7 (21 ref.)

NURSING
A new method of phototherapy: nursing perspectives. Murphy MR, et al. **J Perinatol** 1990 Sep;10(3):249–51 (14 ref.)

PHOTOTOXICITY see **PHOTOSENSITIVITY DISORDERS**

PHOTOTROPHIC BACTERIA

ANALYSIS
The distribution of soluble metallo–redox proteins in purple phototrophic bacteria. Bartsch RG. **Biochim Biophys Acta** 1991 May 23;1058(1):28–30 (28 ref.)

ENZYMOLOGY
Primary structure diversity of prokaryotic diheme cytochromes c. Van Beeumen J. **Biochim Biophys Acta** 1991 May 23;1058(1):56–60 (19 ref.)

METABOLISM
Aerobic photosynthetic bacteria. Shiba T, et al. **Microbiol Sci** 1986 Dec;3(12):376–8 (23 ref.)

PHRENIC NERVE

PHYSIOLOGY

Role of phrenic nerve afferents in the control of breathing. Frazier DT, et al. **J Appl Physiol** 1991 Feb;70(2):491–6 (71 ref.)

PHYSIOPATHOLOGY

Electrophrenic ventilation: a different perspective. Bach JR, et al. **J Am Paraplegia Soc** 1991 Jan;14(1):9–17 (66 ref.)

Importance of the adaptive properties of skeletal muscle in long-term electrophrenic stimulation of the diaphragm. Salmons S. **Stereotact Funct Neurosurg** 1989;53(4):223–32 (42 ref.)

PHTHALAZINES

PHARMACOLOGY

A novel potent non-benzodiazepine anxioselective agent with reduced dependence liability: ICI 198, 256. Patel JB, et al. **Prog Clin Biol Res** 1990;361:483–8 (9 ref.)

PHTHALIC ACIDS

Diethyl phthalate: a perspective. Kamrin MA, et al. **J Clin Pharmacol** 1991 May;31(5):484–9 (67 ref.)

METABOLISM

Microbial degradation of phthalate esters. Kurane R. **Microbiol Sci** 1986 Mar;3(3):92–5 (15 ref.)

PHTHALIC ANHYDRIDES

ADVERSE EFFECTS

[Platelet hyperaggregation induced by low molecular weight heparin in adult respiratory distress syndrome] Roynard JL, et al. **Ann Fr Anesth Reanim** 1991;10(1):70–3 (20 ref.) (Eng. Abstr.) **(Fre)**

PHYLLOQUINONE REDUCTASES see **QUINONE REDUCTASES**

PHYLOGENY

What's old and new in molecular phylogenetics. Marks J. **Am J Phys Anthropol** 1991 Jun;85(2):207–19 (65 ref.)

Phylogeny of myelin proteins. Waehneldt TV. **Ann N Y Acad Sci** 1990;605:15–28 (69 ref.)

Cross-modal performance: behavioural processes, phylogenetic considerations and neural mechanisms. Ettlinger G, et al. **Behav Brain Res** 1990 Nov 30; 40(3):169–92 (111 ref.)

Archamoebae: the ancestral eukaryotes? Cavalier-Smith T. **Biosystems** 1991;25(1–2):25–38 (36 ref.)

Animal asymmetry and human heredity: dextrality, tool use and language in evolution—10 years after Walker (1980). Bradshaw JL. **Br J Psychol** 1991 Feb;82 (Pt 1):39–59 (1145 ref.)

Histochemical strategies in the study of neural evolution. Brauth SE. **Brain Behav Evol** 1990;36(2–3):100–15 (85 ref.)

Ontogeny and phylogeny: a re-evaluation of conceptual relationships and some applications. Northcutt RG. **Brain Behav Evol** 1990;36(2–3):116–40 (120 ref.)

Integrated phylogeny of the primate brain, with special reference to humans and their diseases. Rapoport SI. **Brain Res Brain Res Rev** 1990 Sep–Dec;15(3):267–94 (290 ref.)

The phylogeny and chemical diversity of quinone-tanned glues and varnishes. Waite JH. **Comp Biochem Physiol [B]** 1990;97(1):19–29 (111 ref.)

Phylogeny and molecular evolution in primates. Hasegawa M. **Idengaku Zasshi** 1990 Aug;65(4):243–66 (85 ref.)

Phylogeny of Platyhelminthes, with special reference to parasitic groups [published erratum appears in Int J Parasitol 1991 Apr;21(2):287] Rohde K. **Int J Parasitol** 1990 Dec;20(8):979–1007 (285 ref.)

Phylogenetic distribution of superoxide dismutase supports an endosymbiotic origin for chloroplasts and mitochondria. Grace SC. **Life Sci** 1990;47(21):1875–86 (114 ref.)

Ribosomal RNA phylogenies for the vibrio-enteric group of eubacteria. MacDonell MT, et al. **Microbiol Sci** 1986 Jun;3(6):172–5, 178 (25 ref.)

Phylogeny of strains of Salmonella typhimurium. Old DC. **Microbiol Sci** 1984 Jun;1(3):69–72 (23 ref.)

The phylogeny of prokaryotes. Stackebrandt E, et al. **Microbiol Sci** 1984 Aug;1(5):117–22 (17 ref.)

Evolution of the major histocompatibility complex: independent origin of nonclassical class I genes in different groups of mammals. Hughes AL, et al. **Mol Biol Evol** 1989 Nov;6(6):559–79 (80 ref.)

The phylogeny of oncology. Lentz MR. **Mol Biother** 1990 Sep;2(3):137–44 (47 ref.)

Intron phylogeny: a new hypothesis. Cavalier-Smith T. **Trends Genet** 1991 May;7(5):145–8 (25 ref.)

PHYSICAL CONDITIONING, HUMAN see **EXERCISE THERAPY**

PHYSICAL EDUCATION AND TRAINING

Overtraining syndrome. Budgett R. **Br J Sports Med** 1990 Dec;24(4):231–6 (59 ref.)

Intensive training in young athletes. Maffulli N, et al. **Br J Sports Med** 1990 Dec;24(4):237–9 (50 ref.)

Golf for the mature athlete. Jobe FW, et al. **Clin Sports Med** 1991 Apr;10(2):269–82 (7 ref.)

Athletic participation after myocardial revascularization. Possibilities and benefits. Kay GL. **Clin Sports Med** 1991 Apr;10(2):371–89 (65 ref.)

The aging of bone and muscle. Wilmore JH. **Clin Sports Med** 1991 Apr;10(2):231–44 (61 ref.)

Influence of physical activity on the cellular immune system: mechanisms of action. Pedersen BK. **Int J Sports Med** 1991 Jun;12 Suppl 1:S23–9 (54 ref.)

Timing and method of increased carbohydrate intake to cope with heavy training, competition and recovery. Coyle EF. **J Sports Sci** 1991 Summer;9 Spec No:29–51; discussion 51–2 (76 ref.)

Interpretive and critical research in sport and physical education. Bain LL. **Res Q Exerc Sport** 1989 Mar; 60(1):21–4 (37 ref.)

Qualitative research as a form of scientific inquiry in sport and physical education. Locke LF. **Res Q Exerc Sport** 1989 Mar;60(1):1–20 (66 ref.)

A commentary on qualitative research as a form of scientific inquiry in sport and physical education. Sage GH. **Res Q Exerc Sport** 1989 Mar;60(1):25–9 (43 ref.)

Qualitative research: comments and controversies. Schutz RW. **Res Q Exerc Sport** 1989 Mar;60(1):30–5 (26 ref.)

[Sports capacity, sports fitness and inability to participate in school sports in childhood and adolescence] Ratzmann GW. **Arztl Jugendkd** 1990;81(4):299–302 (6 ref.) **(Ger)**

[Practical experiences with wheelchair sports of paraplegic patients] Kober G. **Rehabilitation (Stuttg)** 1990 Nov; 29(4):232–5 (17 ref.) (Eng. Abstr.) **(Ger)**

[The mechanisms of bradycardia due to the degree of training] Chinkin AS. **Usp Fiziol Nauk** 1991 Apr–Jun; 22(2):134–40 (61 ref.) **(Rus)**

MANPOWER

Becoming a high school coach: from playing sports to coaching. Sage GH. **Res Q Exerc Sport** 1989 Mar; 60(1):81–92 (60 ref.)

METHODS

Exercise training programs and cardiorespiratory adaptation. Cox MH. **Clin Sports Med** 1991 Jan;10(1):19–32 (22 ref.)

Strength training. DiNubile NA. **Clin Sports Med** 1991 Jan; 10(1):33–62 (76 ref.)

Exercise and the elderly. Elia EA. **Clin Sports Med** 1991 Jan;10(1):141–55 (37 ref.)

Musculoskeletal conditioning of the older athlete. Seto JL, et al. **Clin Sports Med** 1991 Apr;10(2):401–29 (25 ref.)

Performance variables associated with the competitive gymnast. Bale P, et al. **Sports Med** 1990 Sep;10(3):139–45 (53 ref.)

The assessment of physical activity by leisure-time physical activity questionnaires. Lamb KL, et al. **Sports Med** 1990 Sep;10(3):159–80 (109 ref.)

Erythrocytic system under the influence of physical exercise and training. Szygula Z. **Sports Med** 1990 Sep;10(3):181–97 (137 ref.)

PHYSICAL EFFORT see **EXERTION**

PHYSICAL ENDURANCE

[Sports capacity, sports fitness and inability to participate in school sports in childhood and adolescence] Ratzmann GW. **Arztl Jugendkd** 1990;81(4):299–302 (6 ref.) **(Ger)**

DRUG EFFECTS

[Performance of athletes exercising in ozone polluted air] Morales Cardona T. **Bol Asoc Med P R** 1990 Dec; 82(12):517–22 (22 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Acute and chronic responses of skeletal muscle to endurance and sprint exercise. A review. Abernethy PJ, et al. **Sports Med** 1990 Dec;10(6):365–89 (188 ref.)

Erythrocytic system under the influence of physical exercise and training. Szygula Z. **Sports Med** 1990 Sep;10(3):181–97 (137 ref.)

[The sports heart and its differentiation. Differential diagnosis of pathologic conditions in athletes] Kindermann W, et al. **Fortschr Med** 1991 Jan 30;109(3):33–6 (0 ref.) (Eng. Abstr.) **(Ger)**

PHYSICAL EXAMINATION

The art and science of percussion. Parrino TA. **Hosp Pract (Off Ed)** 1987 Sep 30;22(9A):25–8, 32–6 (15 ref.)

Preseason cardiovascular examination: a review. Hergenroeder AC, et al. **J Adolesc Health Care** 1990 Sep; 11(5):379–86 (60 ref.)

Examination without interview. Learning about the physical examination as a diagnostic tool. Maxted GH, et al. **N C Med J** 1991 Jul;52(7):307–10 (9 ref.)

Advanced assessment of the abdomen and gastrointestinal problems. O'Toole MT. **Nurs Clin North Am** 1990 Dec; 25(4):771–6 (8 ref.)

History and physical examination in prostate cancer. Which information is essential in diagnosis and follow-up? Newling DW, et al. **Prog Clin Biol Res** 1990;357:151–6 (13 ref.)

[Diagnosis of allergic rhinitis. I. Anamnesis—ENT medical examination—skin tests—intranasal provocation] Albegger K. **HNO** 1991 Mar;39(3):77–81 (0 ref.) (Eng. Abstr.) **(Ger)**

[Preparticipation medical screening: rationale and practical approach] Dlin R, et al. **Harefuah** 1991 Feb 15;120(4):221–6 (29 ref.) **(Heb)**

[Medical examination of the workers occupationally exposed to ionizing radiation] Kato T. **Rinsho Byori** 1991 Apr; 39(4):333–7 (11 ref.) (Eng. Abstr.) **(Jpn)**

[Examination medicine in the industrial health—aspects of biological monitoring] Yamauchi T, et al. **Rinsho Byori** 1991 Apr;39(4):338–45 (18 ref.) (Eng. Abstr.) **(Jpn)**

METHODS

Periodic health examination, 1991 update: 3. Secondary prevention of prostate cancer. Canadian Task Force on the Periodic Health Examination. **Can Med Assoc J** 1991 Sep 1;145(5):413–28 (226 ref.)

Periodic health examination, 1991 update: 1. Screening for cognitive impairment in the elderly. Canadian Task Force on the Periodic Health Examination [see comments] **Can Med Assoc J** 1991 Feb 15;144(4):425–31 (103 ref.) Comment in: Can Med Assoc J 1991 Jun 15;144(12):1605–6.

Special considerations in the physical exam of older patients. Fields SD. **Geriatrics** 1991 Aug;46(8):39–44 (20 ref.)

Medical evaluation of young sexual abuse victims: a view entering the 1990s. Reinhart MA. **Med Sci Law** 1991 Jan; 31(1):81–6 (23 ref.)

[Falls of elderly people—a systematic evaluation is necessary] Tanzi F. **Ther Umsch** 1991 May;48(5):285–92 (21 ref.) (Eng. Abstr.) **(Ger)**

VETERINARY

Clinical examination of the respiratory system. Hinchcliff KW, et al. **Vet Clin North Am Equine Pract** 1991 Apr; 7(1):1–26 (79 ref.)

PHYSICAL EXAMINATION, PREADMISSION see **DIAGNOSTIC TESTS, ROUTINE**

PHYSICAL FITNESS

Year 2000 fitness objectives for the nation. The physician's role. Cooper DL. **Clin Sports Med** 1991 Jan;10(1):223–6 (1 ref.)

Keeping fit when injured. Croce P, et al. **Clin Sports Med** 1991 Jan;10(1):181–95 (21 ref.)

The preparticipation fitness test. Van Handel PJ. **Clin Sports Med** 1991 Jan;10(1):1–18 (32 ref.)

Exercise physiology and cardiovascular fitness. Braun LT. **Nurs Clin North Am** 1991 Mar;26(1):135–47 (35 ref.)

Exercise and fitness. Franklin BA, et al. **Obstet Gynecol Clin North Am** 1990 Dec;17(4):817–35 (37 ref.)

Criterion-referenced standards for youth health-related fitness tests: a tutorial. Cureton KJ, et al. **Res Q Exerc Sport** 1990 Mar;61(1):7–19 (64 ref.)

Exercise and arthritis. The hematology of inactivity. Eichner ER. **Rheum Dis Clin North Am** 1990 Nov;16(4):815–25 (49 ref.)

Cardiovascular complications of inactivity. Thompson WG, et al. **Rheum Dis Clin North Am** 1990 Nov;16(4):803–13 (87 ref.)

Health- and performance-related potential of resistance training. Stone MH, et al. **Sports Med** 1991 Apr; 11(4):210–31 (181 ref.)

[Sports capacity, sports fitness and inability to participate in school sports in childhood and adolescence] Ratzmann GW. **Arztl Jugendkd** 1990;81(4):299–302 (6 ref.) **(Ger)**

[Physical exercise for prevention and therapy] Falkenbach A. **Med Monatsschr Pharm** 1990 Oct 10;13(10):303–12 (143 ref.) **(Ger)**

[Practical experiences with wheelchair sports of paraplegic patients] Kober G. **Rehabilitation (Stuttg)** 1990 Nov; 29(4):232–5 (17 ref.) (Eng. Abstr.) **(Ger)**

[Physiological characteristics of the health status of workers performing physical labor] Malomsoki J, et al. **Orv Hetil** 1991 Jun 9;132(23):1257–63 (47 ref.) (Eng. Abstr.) **(Hun)**

PHYSIOLOGY

Perspectives on cardiovascular fitness and SCI [published erratum appears in J Am Paraplegia Soc 1991 Jan;14(1):21] Figoni SF. **J Am Paraplegia Soc** 1990 Oct;13(4):63–71 (89 ref.)

The assessment of physical activity by leisure-time physical activity questionnaires. Lamb KL, et al. **Sports Med** 1990 Sep;10(3):159–80 (109 ref.)

[The mechanisms of bradycardia due to the degree of training] Chinkin AS. **Usp Fiziol Nauk** 1991 Apr–Jun; 22(2):134–40 (61 ref.) **(Rus)**

PHYSICAL MEDICINE

see related
BIOMECHANICS

TRENDS

Prospectives and retrospectives—a glimpse of the future of physiatry. **Flax HJ. Bol Asoc Med P R** 1991 Feb;83(2):61–4 (10 ref.)

PHYSICAL STIMULATION

Can the use of physical modalities for pain control be rationalized by the research evidence? Chapman CE. **Can J Physiol Pharmacol** 1991 May;69(5):704–12 (36 ref.)

[Significance in unilateral intermittent breast stimulation in prenatal diagnosis] Szántó F, et al. **Orv Hetil** 1991 Feb 24;132(8):417–9 (23 ref.) (Eng. Abstr.) **(Hun)**

PHYSICAL THERAPY

Microwave diathermy. Goats GC. **Br J Sports Med** 1990 Dec;24(4):212–8 (70 ref.)

Pressure therapy for the control of hypertrophic scar formation after burn injury. A history and review. Ward RS. **J Burn Care Rehabil** 1991 May–Jun;12(3):257–62 (57 ref.)

[Treatment of juvenile chronic arthritis] Martini A, et al. **Pediatrie** 1991;46(2):153–60 (20 ref.) (Eng. Abstr.) **(Fre)**

[Dupuytren's contracture. When operate? Conservative preliminary treatment?] Falter E, et al. **Fortschr Med** 1991 Apr 5;109(10):223–6 (17 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Rehabilitation of the stroke patient. Czyrny JJ, et al. **Adv Clin Rehabil** 1990;3:64–96 (177 ref.)

Pediatric physical therapy in a rehabilitation setting. Eigsti H, et al. **Pediatrician** 1990;17(4):267–77 (16 ref.)

A process-oriented model of human motor behavior: toward a theory-based rehabilitation approach. Mulder T. **Phys Ther** 1991 Feb;71(2):157–64 (87 ref.)

Knowledge of results and motor learning—implications for physical therapy. Winstein CJ. **Phys Ther** 1991 Feb; 71(2):140–9 (67 ref.)

[Physiotherapy and mask treatment of chronic bronchitis and chronic obstructive lung disease] Christensen HR, et al. **Nord Med** 1991;106(5):157–9 (15 ref.) (Eng. Abstr.) **(Dan)**

[Physical therapy and mask treatment of chronic bronchitis and chronic obstructive lung disease (COPD)] Christensen HR, et al. **Ugeskr Laeger** 1990 Oct 29;152(44):3237–40 (30 ref.) (Eng. Abstr.) **(Dan)**

[Physical training of patients with rheumatoid arthritis] Lyngberg KK, et al. **Ugeskr Laeger** 1991 Jun 17; 153(25):1795–8 (30 ref.) (Eng. Abstr.) **(Dan)**

[Unstable bladder and kinesitherapy. The concept of deficient unstable bladder] Penders L, et al. **J Urol (Paris)** 1990; 96(6):335–42 (24 ref.) (Eng. Abstr.) **(Fre)**

[Hardening against the common cold—is it possible?] Ernst E. **Fortschr Med** 1990 Oct 30;108(31):586–8 (34 ref.) (Eng. Abstr.) **(Ger)**

[Therapy of respiratory insufficiency. Humidification of inspired gases, physical therapy] Mauritz W, et al. **Klin Anasthesiol Intensivther** 1991;39:305–13; discussion 333–9 (24 ref.) **(Ger)**

[Physiotherapy in obstructive airway diseases] Cegla UH. **Pneumologie** 1990 Oct;44(10):1161–5 (29 ref.) **(Ger)**

[Goals and possibilities of physiotherapy in ankylosing spondylitis] Schlumpf U. **Schweiz Rundsch Med Prax** 1991 Jun 4;80(23):639–43 (23 ref.) (Eng. Abstr.) **(Ger)**

[Principles for the use of physical therapy in primary headache] Taubert K. **Z Arztl Fortbild (Jena)** 1991 Jan 25; 85(1–2):19–22 (10 ref.) **(Ger)**

PSYCHOLOGY

What is empathy, and can empathy be taught? Davis CM. **Phys Ther** 1990 Nov;70(11):707–11; discussion 712–5 (14 ref.)

STANDARDS

An ethical analysis of physical therapists' duty to treat persons who have AIDS: homosexual patients as a test case. Sim J, et al. **Phys Ther** 1991 Sep;71(9):650–5 (37 ref.)

PHYSICALLY HANDICAPPED see **HANDICAPPED**

PHYSICIAN IMPAIRMENT

Physician addiction to pharmaceuticals: personal history, practice setting, access to drugs, and recovery. Wright C 4th. **Md Med J** 1990 Nov;39(11):1021–5 (20 ref.)

PSYCHOLOGY

Women in Australian and New Zealand psychiatry: the fat lady sings. Quadrio C. **Aust N Z J Psychiatry** 1991 Mar; 25(1):95–110 (122 ref.)

The effect of physician impairment on the family. Gallegos KV, et al. **Md Med J** 1990 Nov;39(11):1007–11 (23 ref.)

The doctor's health. Psychosis and depression. a'Brook M. **Practitioner** 1990 Nov;234(1496):992–3 (15 ref.)

Supporting the addicted doctor. Lloyd G. **Practitioner** 1990 Nov;234(1496):989–91 (6 ref.)

PHYSICIAN INCENTIVE PLANS

Rewarding medicine: good doctors and good behavior [comment] Arnold RM, et al. **Ann Intern Med** 1990 Nov 15;113(10):794–8 (64 ref.) Comment on: Ann Intern Med 1990 Nov 15;113(10):790–3.

Economic incentives for ethical and courteous behavior in medicine. A proposal [see comments] Erde EL. **Ann Intern Med** 1990 Nov 15;113(10):790–3 (24 ref.) Comment in: Ann Intern Med 1990 Nov 15;113(10):794–8.

PHYSICIAN-PATIENT RELATIONS

see related
TRUTH DISCLOSURE

Rewarding medicine: good doctors and good behavior [comment] Arnold RM, et al. **Ann Intern Med** 1990 Nov 15;113(10):794–8 (64 ref.) Comment on: Ann Intern Med 1990 Nov 15;113(10):790–3.

Economic incentives for ethical and courteous behavior in medicine. A proposal [see comments] Erde EL. **Ann Intern Med** 1990 Nov 15;113(10):790–3 (24 ref.) Comment in: Ann Intern Med 1990 Nov 15;113(10):794–8.

The patient's story: integrating the patient- and physician-centered approaches to interviewing. Smith RC, et al. **Ann Intern Med** 1991 Sep 15;115(6):470–7 (88 ref.)

Fear of dependence in therapeutic relationships. Pedder J. **Br J Med Psychol** 1991 Jun;64 (Pt 2):117–26 (28 ref.)

Fear of dependence in therapeutic relationships. Pedder J. **Br J Med Psychol** 1991 Jun;65 (Pt 2):117–26 (28 ref.)

A semiotic perspective on chronic pain: implications for the interaction between patient and physician. Priel B, et al. **Br J Med Psychol** 1991 Mar;64 (Pt 1):65–71 (27 ref.)

Native ethics and rules of behaviour. Brant CC. **Can J Psychiatry** 1990 Aug;35(6):534–9 (29 ref.)

Relationships with AIDS patients: clinical metaphors and preventive bioethics. Dozor RB, et al. **Fam Med** 1990 Nov–Dec;22(6):474–7 (27 ref.)

Prescription drugs, practicing physicians, and the elderly. Lavizzo-Mourey RJ, et al. **Health Aff (Millwood)** 1990 Fall; 9(3):20–35 (35 ref.)

Chronic illness and the physician-patient relationship: a response to the Hastings Center's "ethical challenges of chronic illness". Moros DA, et al. **J Med Philos** 1991 Apr; 16(2):161–81 (12 ref.)

The irreducibly clinical character of bioethics. Wear S. **J Med Philos** 1991 Feb;16(1):53–70 (16 ref.)

On psychotherapist-patient sex: discussion paper. Palermo GB. **J R Soc Med** 1990 Nov;83(11):715–9 (30 ref.)

Difficult patients in extended psychiatric hospitalization: a research perspective on the patient, staff and team. Colson DB. **Psychiatry** 1990 Nov;53(4):369–82 (25 ref.)

Role of reassurance and psychopathology in hypochondriasis. Starčević V. **Psychiatry** 1990 Nov;53(4):383–95 (28 ref.)

The analyst's stance and the method of free association. Kris AO. **Psychoanal Study Child** 1990;45:25–41 (51 ref.)

Significance and importance of the psychotherapist's personality and experience. Knobel M. **Psychother Psychosom** 1990;53(1–4):58–63 (21 ref.)

Bringing social structure back into clinical decision making. Clark JA, et al. **Soc Sci Med** 1991;32(8):853–66 (162 ref.)

Physicians and the difficult patient. Staley JC. **Soc Work** 1991 Jan;36(1):74–9 (52 ref.)

[Compliance: a health problem] Fontaine O, et al. **Rev Med Liege** 1991 Jun;46(6):343–9 (39 ref.) **(Fre)**

[Antipsychiatry and identity crisis in psychiatry] Kick H. **Fortschr Neurol Psychiatr** 1990 Oct;58(10):367–74 (61 ref.) (Eng. Abstr.) **(Ger)**

[Psychosocial management in medicine: a question of "management bias"?] Ullrich G. **Prax Kinderpsychol Kinderpsychiatr** 1990 Sep;39(7):249–54 (20 ref.) (Eng. Abstr.) **(Ger)**

[What makes a consultation therapeutic? On the cultural characteristics of psychotherapeutic methods] Pfeiffer W. **Psychother Psychosom Med Psychol** 1991 Mar–Apr; 41(3–4):93–101 (31 ref.) (Eng. Abstr.) **(Ger)**

[Clinical observations on the topic of informing cancer patients] Schlömer U. **Rontgenpraxis** 1990 Oct;43(10):380–4 (17 ref.) **(Ger)**

[The oncologist and his patient] Obrecht JP. **Schweiz Rundsch Med Prax** 1991 Apr 23;80(17):450–5 (0 ref.) (Eng. Abstr.) **(Ger)**

[Problems in training operatives in mental health service] Angelini G. **Minerva Psichiatr** 1990 Oct–Dec;31(4):199–201 (7 ref.) (Eng. Abstr.) **(Ita)**

PHYSICIAN REFUSAL TO TREAT see **REFUSAL TO TREAT**

PHYSICIAN SHORTAGE AREA see **MEDICALLY UNDERSERVED AREA**

PHYSICIANS

Occupational transmission of HIV: the ethics of physician risk and responsibility. Cooke M. **AIDS Clin Rev** 1990;:1–10 (20 ref.)

Cultural influences on physician communication in health care teams. Cali DD. **J Biocommun** 1991;18(1):22–7 (16 ref.)

Physicians and national health insurance: some economic factors [see comments] Weil TP. **N Y State J Med** 1991 Jun;91(6):250–3 (33 ref.) Comment in: N Y State J Med 1991 Jun;91(6):236–7.

[Current situation of occupational diseases in physicians and medical personnel] Valentin H. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):182–200 (7 ref.) (Eng. Abstr.) **(Ger)**

[The school physician and his work?] Hardoff D, et al. **Harefuah** 1990 Oct;119(7–8):231–3 (17 ref.) **(Heb)**

PSYCHOLOGY

Why doctors do what they do: determinants of physician behavior. Harris JS. **J Occup Med** 1990 Dec;32(12):1207–20 (111 ref.)

Strategies in the education of humane physicians. Riska EK. **Scand J Soc Med** 1990 Sep;18(3):161–4 (21 ref.)

[When conventional medicine is not sufficient. Even physicians are interested in alternative treatment methods] Lynöe N, et al. **Lakartidningen** 1991 May 29;88(22):2077–8 (25 ref.) **(Swe)**

SUPPLY & DISTRIBUTION

Surplus or shortage? Unraveling the physician supply conundrum. Rosenblatt RA, et al. **West J Med** 1991 Jan; 154(1):43–50 (77 ref.)

PHYSICIANS, FAMILY

Psychostimulants for depression in the medically ill. Frierson RL, et al. **Am Fam Physician** 1991 Jan;43(1):163–70 (17 ref.)

Do our patients receive maximum benefit from preventive care? A North American perspective. Rosser WW, et al. **Br J Gen Pract** 1990 Oct;40(339):426–9 (63 ref.)

Ambulatory blood pressure monitoring and the primary care physician. Bass MJ. **Clin Invest Med** 1991 Jun;14(3):256–9 (12 ref.)

Human immunodeficiency virus and the primary care physician. Paauw DS, et al. **J Fam Pract** 1990 Dec; 31(6):646–50 (30 ref.)

The diagnosis of drug dependence by primary care providers. Shine D. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S32–4 (17 ref.)

HIV disease in the intravenous drug user: role of the primary care physician. Wartenberg AA. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S35–40 (41 ref.)

Who treats the doctor? Allibone A. **Practitioner** 1990 Nov; 234(1496):984–7 (4 ref.)

Pharmacotherapy and the primary care physician. Carter BL. **Prim Care** 1990 Sep;17(3):469–77 (40 ref.)

Depression and fatigue in the primary care physician. Wise TN. **Prim Care** 1991 Jun;18(2):451–64 (38 ref.)

Testicular cancer: the role of the primary care physician in prevention and early detection. Iammarino NK, et al. **Tex Med** 1991 May;87(5):66–71 (33 ref.)

EDUCATION

Consultation-liaison models for teaching psychiatry to primary care physicians. Helz JW, et al. **Adv Psychosom Med** 1990;20:1–16 (80 ref.)

METHODS

Substance abuse: the designer drugs. Beebe DK, et al. **Am Fam Physician** 1991 May;43(5):1689–98 (30 ref.)

Management of common finger injuries. Hoffman DF, et al. **Am Fam Physician** 1991 May;43(5):1594–607 (13 ref.)

PSYCHOLOGY

Supporting the addicted doctor. Lloyd G. **Practitioner** 1990 Nov;234(1496):989–91 (6 ref.)

The doctor's health. Under stress? Myerson S. **Practitioner** 1990 Nov;234(1496):973–6 (13 ref.)

Workload and job satisfaction among general practitioners: a review of the literature. Groenewegen PP, et al. **Soc Sci Med** 1991;32(10):1111–9 (49 ref.)

PHYSICIANS' OFFICES

Therapeutic drug monitoring analysis systems for the physician office laboratory: a review of the literature. Oles KS. **DICP** 1990 Nov;24(11):1070–7 (48 ref.)

Indications for office radiographs [see comments] Halvorsen JG, et al. **J Fam Pract** 1990 Nov;31(5):521–9 (42 ref.) Comment in: J Fam Pract 1991 Mar;32(3):240–1.

Cleaning, disinfection, and sterilization of gastrointestinal endoscopes: approaches in the office. Tremain SC, et al. **J Fam Pract** 1991 Mar;32(3):300–5 (26 ref.)

ORGANIZATION & ADMINISTRATION

Providing integrated information resources to physicians' offices. Shultz EK. **Clin Lab Med** 1991 Mar;11(1):239–49 (28 ref.)

PHYSICIAN'S PRACTICE PATTERNS

Physician compliance: improving skills in preventive medicine practices. Pommerenke FA, et al. **Am Fam Physician** 1991 Feb;43(2):560–8 (31 ref.)

Decision-oriented test request forms. A system for

implementing practice parameters in laboratory medicine. Speicher CE. **Clin Lab Med** 1991 Mar;11(1):255–65 (14 ref.)

Secretory otitis media: a review of management by consultant otolaryngologists. Smith IM, et al. **Clin Otolaryngol** 1991 Jun;16(3):266–70 (38 ref.)

The influence of national attitudes on the use of radiotherapy in advanced and metastatic cancer, with particular reference to differences between the United Kingdom and the United States of America: implications for future studies. Maher EJ. **Int J Radiat Oncol Biol Phys** 1991 Jun; 20(6):1369–73 (17 ref.)

Diffusion of the U.S. Preventive Services Task Force recommendations into practice. Lawrence RS. **J Gen Intern Med** 1990 Sep–Oct;5(5 Suppl):S99–103 (30 ref.)

ECONOMICS

Cost–benefit issues in the practice of internal medicine. Friedman RB, et al. **Arch Intern Med** 1991 Jun; 151(6):1165–8 (58 ref.)

Why doctors do what they do: determinants of physician behavior. Harris JS. **J Occup Med** 1990 Dec;32(12):1207–20 (111 ref.)

LEGISLATION & JURISPRUDENCE

Our hands are tied: legally induced moral tensions in health care delivery. Kapp MB. **J Gen Intern Med** 1991 Jul–Aug; 6(4):345–8 (25 ref.)

STANDARDS

Alcoholism: the disease and the diagnosis [editorial; comment] Larson EW. **Am J Med** 1991 Aug;91(2):107–9 (14 ref.) Comment on: Am J Med 1991 Aug;91(2):110–8.

Words without action? The production, dissemination, and impact of consensus recommendations. Lomas J. **Annu Rev Public Health** 1991;12:41–65 (99 ref.)

Practice guidelines: best hope for quality improvement in the 1990s. Chassin MR. **J Occup Med** 1990 Dec; 32(12):1199–206 (43 ref.)

Cardiology and the quality of medical practice. The Cardiology Working Group [see comments] **JAMA** 1991 Jan 23–30;265(4):482–5; discussion 496–8 (17 ref.) Comment in: JAMA 1991 Jul 17;266(3):364.

TRENDS

The futures of physicians: agency and autonomy reconsidered. Salmon JW, et al. **Theor Med** 1990 Dec; 11(4):261–74 (30 ref.)

PHYSICIAN'S ROLE

Improving compliance and increasing control of hypertension: needs of special hypertensive populations. Clark LT. **Am Heart J** 1991 Feb;121(2 (Pt 2)):664–9 (45 ref.)

Does obstetric ethics have any role in the obstetrician's response to the abortion controversy? [see comments] Chervenak FA, et al. **Am J Obstet Gynecol** 1990 Nov;163(5 Pt 1):1425–9 (17 ref.) Comment in: Am J Obstet Gynecol 1991 Jun;164(6 Pt 1):1686.

Adolescent pregnancy in the United States: a review and recommendations for clinicians and research needs. Fielding JE, et al. **Am J Prev Med** 1991 Jan–Feb;7(1):47–52 (69 ref.)

Substance abuse disorders: a psychiatric priority. Group for the Advancement of Psychiatry Committee on Alcoholism and the Addictions. **Am J Psychiatry** 1991 Oct; 148(10):1291–300 (100 ref.)

Should the health care forest be selectively thinned by physicians or clear cut by payers? Welch HG. **Ann Intern Med** 1991 Aug 1;115(3):223–6 (29 ref.)

Accidents to children: the doctor's role. Education or environmental change? Sibert JR. **Arch Dis Child** 1991 Jul; 66(7):890–3 (41 ref.)

Do otolaryngologist–head and neck surgeons and/or chemotherapy have a role in the treatment of head and neck cancer? Schuller DE. **Arch Otolaryngol Head Neck Surg** 1991 May; 117(5):498–501 (20 ref.)

Responsibilities and potentials of physicians in the fight against smoking. Prignot J. **Bull Int Union Tuberc Lung Dis** 1990 Dec;65(4):38–44 (81 ref.)

Malignant melanoma in the 1990s: the continued importance of early detection and the role of physician examination and self–examination of the skin. Friedman RJ, et al. **CA Cancer J Clin** 1991 Jul–Aug;41(4):201–26 (84 ref.)

The role of Canadian psychiatry in dangerous offender testimony. Rogers R, et al. **Can J Psychiatry** 1991 Mar; 36(2):79–84 (40 ref.)

Brief intervention strategies for harmful drinkers: new directions for medical education. Babor TF. **Can Med Assoc J** 1990 Nov 15;143(10):1070–6 (31 ref.)

The physician's role. Kendell RE. **Can Med Assoc J** 1990 Nov 15;143(10):1042–7 (21 ref.)

Medical education for alcohol and other drug abuse in the United States. Lewis DC. **Can Med Assoc J** 1990 Nov 15; 143(10):1091–6 (22 ref.)

Early identification of alcohol problems. Saunders JB, et al. **Can Med Assoc J** 1990 Nov 15;143(10):1060–9 (73 ref.)

Role of the physician in environmental and occupational asthma. Rosenstock L. **Chest** 1990 Nov;98(5 Suppl):162S–164S (16 ref.)

Year 2000 fitness objectives for the nation. The physician's role. Cooper DL. **Clin Sports Med** 1991 Jan;10(1):223–6 (1 ref.)

Use of albumin in a university hospital: the value of targeted physician intervention. Stumpf JL, et al. **DICP** 1991 Mar; 25(3):239–43 (17 ref.)

The effects of the rapid strep test on physician management of streptococcal pharyngitis. Bryars CH 3d, et al. **J Am Board Fam Pract** 1991 May–Jun;4(3):139–43 (17 ref.)

The physician's role in injury prevention: beyond the U.S. Preventive Services Task Force report. Smith GS. **J Gen Intern Med** 1990 Sep–Oct;5(5 Suppl):S67–73 (44 ref.)

HIV disease in the intravenous drug user: role of the primary care physician. Wartenberg AA. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S35–40 (41 ref.)

Adolescent pregnancy: the clinician's role in intervention. Zabin LS. **J Gen Intern Med** 1990 Sep–Oct;5(5 Suppl):S81–8 (34 ref.)

Diagnosis without doctors. Mazoué JG. **J Med Philos** 1990 Dec;15(6):559–79 (50 ref.)

Why the standard view is standard: people, not machines, understand patients' problems. Miller RA. **J Med Philos** 1990 Dec;15(6):581–91 (31 ref.)

Assuring value in medical care for employees and dependents: an opportunity for occupational physicians. Buck CR Jr. **J Occup Med** 1990 Dec;32(12):1165–6 (13 ref.)

Drug testing: medical, legal, and ethical issues. Miller NS, et al. **J Subst Abuse Treat** 1990;7(4):239–44 (33 ref.)

The role of the urologist in urinary tract infection. Gillenwater JY. **Med Clin North Am** 1991 Mar;75(2):471–9 (13 ref.)

Doctors and human rights. Forrest DM. **Med War** 1991 Apr–Jun;7(2):105–12 (19 ref.)

Education of the deaf: the otolaryngologist's role. Behrens TR, et al. **Otolaryngol Clin North Am** 1971 Jun;4(2):423–30 (6 ref.)

The pediatric management of the congenitally deaf child. Stewart JM. **Otolaryngol Clin North Am** 1971 Jun; 4(2):337–45 (12 ref.)

The role of the pediatrician in abolishing corporal punishment in schools. Committee on School Health, American Academy of Pediatrics. Poole SR, et al. **Pediatrics** 1991 Jul;88(1):162–7 (41 ref.)

Violent patients. Are you prepared to deal with them? Blumenreich P, et al. **Postgrad Med** 1991 Aug;90(2):201–6 (12 ref.)

Diabetes care in minority groups. Overcoming barriers to meet these patients' special needs. Davidson JA. **Postgrad Med** 1991 Aug;90(2):153–4, 157–68 (14 ref.)

Why patients delay seeking care for cancer symptoms. What you can do about it. Love N. **Postgrad Med** 1991 Mar; 89(4):151–2, 155–8 (27 ref.)

Febrile seizure. Caring for patients—and their parents. Monsen RF, et al. **Postgrad Med** 1991 Aug;90(2):217–8, 221–6 (26 ref.)

Acid peptic disease in adolescents. How to avoid misdiagnosis and undertreatment. Robinson M. **Postgrad Med** 1991 Aug;90(2):189–90, 195–8 (27 ref.)

Clinical strategies in recognizing spouse abuse. Veltkamp LJ, et al. **Psychiatr Q** 1990 Fall;61(3):179–87 (21 ref.)

The role of the physician in early intervention screening for infants and toddlers. Kochanek TT. **R I Med J** 1991 Jun; 74(6):275–80 (28 ref.)

The constitution of physicians' power: a theoretical framework for comparative analysis. Duran–Arenas L, et al. **Soc Sci Med** 1991;32(6):643–8 (31 ref.)

Safety belts and public health. The role of medical practitioners. Kizer KW, et al. **West J Med** 1991 Mar; 154(3):303–6 (19 ref.)

[Tasks and problems of legal experts in criminal proceedings] Geerds F. **Arch Kriminol** 1991 Jan–Feb;187(2):28–38 (0 ref.) **(Ger)**

[Promoting the development of handicapped children—possibilities and limits and responsibilities of the pediatrician] Schlack HG. **Monatsschr Kinderheilkd** 1991 Jan;139(1):55–7 (31 ref.) (Eng. Abstr.) **(Ger)**

[Risk factors of myocardial ischemia and role of the physician in its prevention] Pezzana M. **Minerva Med** 1991 Mar; 82(3):131–5 (24 ref.) (Eng. Abstr.) **(Ita)**

PHYSICIANS, WOMEN

[Gender neutrality in medical research—possible and desirable?] Emblem R. **Tidsskr Nor Laegeforen** 1990 Oct 20;110(25):3268–72 (22 ref.) (Eng. Abstr.) **(Nor)**

PSYCHOLOGY

Women in Australian and New Zealand psychiatry: the fat lady sings. Quadrio C. **Aust N Z J Psychiatry** 1991 Mar; 25(1):95–110 (122 ref.)

PHYSICS

Physics of microwave technology in histochemistry. Kok LP, et al. **Histochem J** 1990 Jun–Jul;22(6–7):381–8 (7 ref.)

PHYSIOGNOMY

[The physiognomic semeiotics of anxiety. A critical review] Angelini G, et al. **Minerva Med** 1991 Apr;82(4):217–9 (7 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOLOGIC AVAILABILITY see **BIOLOGICAL AVAILABILITY**

PHYSIOLOGY

Undergraduate teaching project of the American gastroenterological Association: a pathophysiology resource. Hofmann AF, et al. **Am J Physiol** 1991 Jun;260(6 Pt 3):S1–5 (1 ref.)

Applications of fractal analysis to physiology. Glenny RW, et al. **J Appl Physiol** 1991 Jun;70(6):2351–67 (43 ref.)

Functional magnetic resonance imaging in medicine and physiology. Moonen CT, et al. **Science** 1990 Oct 5; 250(4977):53–61 (55 ref.)

Subjective contours—bridging the gap between psychophysics and physiology. Peterhans E, et al. **Trends Neurosci** 1991 Mar;14(3):112–9 (88 ref.)

[The study of the neurobiological bases of complex unconditioned reflexes at the I. P. Pavlov Physiology Department. The results of recent years] Petrov ES. **Fiziol Zh SSSR** 1990 Dec;76(12):1669–81 (30 ref.) **(Rus)**

[The development of the problem of memory transfer at the I. P. Pavlov Physiology Department] Vartanian GA, et al. **Fiziol Zh SSSR** 1990 Dec;76(12):1650–8 (41 ref.) (Eng. Abstr.) **(Rus)**

TRENDS

[The protective effects of adaptation and the prospects for the development of adaptive medicine] Meerson FZ. **Usp Fiziol Nauk** 1991 Apr–Jun;22(2):52–89 (126 ref.) **(Rus)**

[The outlook for evolutionary physiology (from the viewpoint of the historian of science)] Mirzoian EN. **Zh Evol Biokhim Fiziol** 1990 Jul–Aug;26(4):433–40 (48 ref.) **(Rus)**

PHYSIOLOGY, COMPARATIVE

From comparative physiology to toxicological risk assessment. Koeman JH. **Comp Biochem Physiol [C]** 1991; 100(1–2):7–10 (19 ref.)

Some principles of the organization and evolution of physiological functions (from classic functionalism to neofunctionalism). Ugolev AM. **Physiologist** 1991 Feb;34(1 Suppl):S3–7 (17 ref.)

PHYSIOTHERAPY see **PHYSICAL THERAPY**

PHYSOSTIGMINE

THERAPEUTIC USE

Alternatives in the treatment of memory loss in patients with Alzheimer's disease. Volger BW. **Clin Pharm** 1991 Jun; 10(6):447–56 (92 ref.)

PHYTAGGLUTININS see **LECTINS**

PHYTIC ACID

METABOLISM

Chelating properties of dietary fiber and phytate. The role for mineral availability. Frølich W. **Adv Exp Med Biol** 1990; 270:83–93 (22 ref.)

The effect of food processing on phytate hydrolysis and availability of iron and zinc. Sandberg AS. **Adv Exp Med Biol** 1991;289:499–508 (26 ref.)

PHARMACOLOGY

[Phytates, dietary fiber and drugs linked with the absorption of mineral substances and carbohydrates from food] Angelova–Gateva P, et al. **Vutr Boles** 1990;29(3):47–52 (32 ref.) **(Bul)**

PHYTIN see **PHYTIC ACID**

PHYTOHEMAGGLUTININS

DIAGNOSTIC USE

The Phaseolus vulgaris–leucoagglutinin tracing technique for the study of neuronal connections. Wouterlood FG, et al. **Prog Histochem Cytochem** 1991;22(1):1–78 (204 ref.)

THERAPEUTIC USE

Potential therapeutic applications of PHA–L4, the mitogenic isolectin of phytohemagglutinin. Wimer BM. **Mol Biother** 1990 Dec;2(4):196–200 (11 ref.)

PHYTOHORMONES see **PLANT GROWTH REGULATORS**

PHYTOMITOGENS see **LECTINS**

PHYTOPHAGINEAE see **PLANT VIRUSES**

PHYTOPLANKTON

Environmental health: flow cytometric methods to assess our water world. Yentsch CM. **Methods Cell Biol** 1990; 33:575–612 (112 ref.)

PIA MATER

Primary leptomeningeal lymphoma: report of 9 cases, diagnosis with immunocytochemical analysis, and review of the literature. Lachance DH, et al. **Neurology** 1991 Jan; 41(1):95–100 (39 ref.)

PIAL VEIN see **CEREBRAL VEINS**

PICA

COMPLICATIONS

[Anemia caused by iron deficiency and pagophagia. Apropos of a case] Hadjadj ML, et al. **Rev Med Interne** 1990 May–Jun;11(3):236–8 (17 ref.) (Eng. Abstr.) **(Fre)**

EPIDEMIOLOGY

Pica practices of pregnant women. Horner RD, et al. **J Am Diet Assoc** 1991 Jan;91(1):34–8 (35 ref.)

PICHIA

GENETICS

Heterologous gene expression in methylotrophic yeast. Tschopp JF, et al. **Biotechnology** 1991;18:305–22 (57 ref.)

PICIBANIL

PHARMACOLOGY

The cytotoxic action of OK-432 from Streptococcus pyogenes. Juranić Z, et al. **Med Hypotheses** 1990 Oct; 33(2):73–4 (12 ref.)

PICK DISEASE OF BRAIN see **DEMENTIA, PRESENILE**

PICK'S DISEASE OF HEART see **PERICARDITIS, CONSTRICTIVE**

PICODNAVIRUSES see **PARVOVIRIDAE**

PICORNAVIRIDAE

GENETICS

Structure, function and evolution of picornaviruses. Stanway G. **J Gen Virol** 1990 Nov;71 (Pt 11):2483–501 (175 ref.)

The novel mechanism of initiation of picornavirus RNA translation. Jackson RJ, et al. **Trends Biochem Sci** 1990 Dec;15(12):477–83 (34 ref.)

Picornavirus RNA translation continues to surprise. Sonenberg N. **Trends Genet** 1991 Apr;7(4):105–6 (13 ref.)

IMMUNOLOGY

Novel approaches to picornavirus vaccines. Murdin AD, et al. **Adv Biotechnol Processes** 1990;14:301–23 (127 ref.)

New picornavirus vaccines for hepatitis A, and lessons from the control of poliomyelitis by the prototype picornavirus vaccines. Melnick JL. **Prog Med Virol** 1990;37:47–55 (72 ref.)

METABOLISM

Proteolytic processing of picornaviral polyprotein. Palmenberg AC. **Annu Rev Microbiol** 1990;44:603–23 (87 ref.)

PICORNAVIRUS INFECTIONS

DIAGNOSIS

[Viral hepatitis type C, D and E: virologic diagnosis, epidemiology and clinical course] Hess G. **Internist (Berl)** 1991 May;32(5):244–8 (16 ref.) **(Ger)**

ETIOLOGY

The role of neutrophils in the pathogenesis of rhinovirus infections. Turner RB. **Pediatr Infect Dis J** 1990 Nov; 9(11):832–5 (32 ref.)

IMMUNOLOGY

Animal models of picornavirus-induced autoimmune disease: their possible relevance to human disease. Craighead JE, et al. **Lab Invest** 1990 Oct;63(4):432–46 (225 ref.)

PREVENTION & CONTROL

Novel approaches to picornavirus vaccines. Murdin AD, et al. **Adv Biotechnol Processes** 1990;14:301–23 (127 ref.)

PICTURE ARCHIVING AND COMMUNICATION SYSTEMS see **RADIOLOGY INFORMATION SYSTEMS**

PICTURE ARCHIVING, RADIOLOGIC see **RADIOLOGY INFORMATION SYSTEMS**

PIEBALDISM

see related
WAARDENBURG'S SYNDROME

PIG SKIN DRESSINGS see **BIOLOGICAL DRESSINGS**

PIGEON BREEDER'S LUNG see **BIRD FANCIER'S LUNG**

PIGEONS

The pigeon as a model for comparative behavioral pharmacology and toxicology. McMillan DE. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):523–9 (43 ref.)

[Pigeon coryza—ornithosis—pigeon breeder's lung] Fritzsche K. **DTW Dtsch Tierarztl Wochenschr** 1991 Apr;98(4):120–1 (0 ref.) (Eng. Abstr.) **(Ger)**

PIGMENT EPITHELIUM OF EYE

[Placoid epitheliopathy and serpiginous choroidopathy] de Laey JJ. **Bull Soc Belge Ophtalmol** 1989;230:105–22 (52 ref.) (Eng. Abstr.) **(Fre)**

[A case of systemic lupus erythematosus complicated with multifocal posterior pigment epitheliopathy] Kawaguchi Y, et al. **Ryumachi** 1990 Oct;30(5):396–400, 402; discussion 400–2 (12 ref.) (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

[Poisoning of retinal pigment epithelium by deferoxamine. A case report] Charton N, et al. **Bull Soc Ophtalmol Fr** 1990 Jun–Jul;90(6–7):599–602 (11 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Incomplete proteolysis may contribute to lipofuscin accumulation in the retinal pigment epithelium. Katz ML. **Adv Exp Med Biol** 1989;266:109–16; discussion 116–8 (30 ref.)

PATHOLOGY

[Placoid pigment epitheliopathy: a parallel study between automatized perimetry and fluorescence angiography] Frosini R, et al. **J Fr Ophtalmol** 1990;13(8–9):429–33 (30 ref.) (Eng. Abstr.) **(Fre)**

[Importance of the fundus oculi in the early diagnosis in childhood of familial polyposis coli] Díaz Llopis M, et al. **Cir Pediatr** 1988 Jan;1(1):39–42 (14 ref.) (Eng. Abstr.) **(Spa)**

PIGMENTARY RETINOPATHY see **RETINITIS PIGMENTOSA**

PIGMENTATION

GENETICS

Colour genes, oncogenes and melanocyte differentiation. Bennett DC. **J Cell Sci** 1991 Feb;98 (Pt 2):135–9 (40 ref.)

PIGMENTATION DISORDERS

Oral melanoma and other pigmented lesions of the oral cavity. Eisen D, et al. **J Am Acad Dermatol** 1991 Apr; 24(4):527–37 (121 ref.)

Unilateral erythromelanosis follicularis faciei et colli in a young girl. McGillis ST, et al. **J Am Acad Dermatol** 1991 Aug;25(2 Pt 2):430–2 (10 ref.)

Disorders of hypopigmentation in children. Pinto FJ, et al. **Pediatr Clin North Am** 1991 Aug;38(4):991–1017 (55 ref.)

CHEMICALLY INDUCED

Reversibility of blue-gray cutaneous discoloration from amiodarone. Blackshear JL, et al. **Mayo Clin Proc** 1991 Jul;66(7):721–6 (19 ref.)

COMPLICATIONS

White forelock in Marfan's syndrome: an unusual association, with review of the literature. Herman KL, et al. **Cutis** 1991 Jul;48(1):82–4 (21 ref.)

Type 1 diabetes mellitus associated with livedo reticularis: case report and review of the literature. Abrahamian LM, et al. **Pediatr Dermatol** 1991 Mar;8(1):46–50 (59 ref.)

[Sneddon's syndrome: review of the literature apropos of a case] Pellegrin JL, et al. **Rev Med Interne** 1990 Jul–Aug; 11(4):313–5 (16 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Azelaic acid. A review of its pharmacological properties and therapeutic efficacy in acne and hyperpigmentary skin disorders. Fitton A, et al. **Drugs** 1991 May;41(5):780–98 (100 ref.)

Therapeutic update of pigmentary disorders. Chakraborty K. **Indian J Dermatol** 1990 Mar;35(1):53–6 (0 ref.)

ETHNOLOGY

Regional dermatoses in the African. Part I. Facial hypermelanosis. Olumide YM, et al. **Int J Dermatol** 1991 Mar;30(3):186–9 (14 ref.)

ETIOLOGY

[Cutaneo-mucosal hyperpigmentation in AIDS. 4 cases] Poizot-Martin I, et al. **Presse Med** 1991 Apr 13; 20(14):632–6 (14 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Autosomal dominant transmission of the NAME syndrome (nevi, atrial myxoma, mucinosis of the skin and endocrine overactivity). Koopman RJ, et al. **Hum Genet** 1991 Jan; 86(3):300–4 (42 ref.)

Inherited color defects. Comparison between humans and snakes. Bechtel HB. **Int J Dermatol** 1991 Apr;30(4):243–6 (12 ref.)

PATHOLOGY

Biopsies of nails. Melanonychia striata in longitudinem. Tom DW, et al. **Am J Dermatopathol** 1985;7 Suppl:161–3 (19 ref.)

Histopathologic diagnosis of pigmented lesions of the skin. González SB. **Pathol Res Pract** 1991 May;187(4):387–431 (192 ref.)

THERAPY

The chemical peel. Peters W. **Ann Plast Surg** 1991 Jun; 26(6):564–71 (32 ref.)

[An approach to biological effects of the lasers] Yamamoto H, et al. **Kokubyo Gakkai Zasshi** 1990 Dec;57(4):457–63 (26 ref.) **(Jpn)**

VETERINARY

Lipopigments in veterinary pathology: pathogenesis and terminology. Jolly RD, et al. **Adv Exp Med Biol** 1989; 266:157–67; discussion 168 (37 ref.)

PIGMENTS

CHEMISTRY

Naphthoquinone pigments related to fusarubin from the fungus Fusarium solani (Mart.) Sacc. Parisot D, et al. **Microbios** 1990;64(258):31–47 (90 ref.)

PIGS see **SWINE**

PIKE see **SALMONIDAE**

PILAR CYST see **EPIDERMAL CYST**

PILI, BACTERIAL

PHYSIOLOGY

The role of type 1 pili in the pathogenesis of Escherichia coli infections: a short review and some new ideas. Orndorff PE, et al. **Microb Pathog** 1990 Aug;9(2):75–9 (64 ref.)

PILOCARPINE

THERAPEUTIC USE

Pilocarpine and dipivefrin. Cantor LB. **CLAO J** 1991 Apr; 17(2):134 (6 ref.)

PIMOZIDE

THERAPEUTIC USE

The role of pimozide in clinical psychiatry: a review. Opler LA, et al. **J Clin Psychiatry** 1991 May;52(5):221–33 (141 ref.)

PINDOLOL

ANALOGS & DERIVATIVES

Clinical experience with bopindolol: summary of poster presentations. Ikeda M, et al. **Am J Cardiol** 1991 Apr 22; 67(10):47B–50B (0 ref.)

Bopindolol. A review of its pharmacodynamic and pharmacokinetic properties and therapeutic efficacy [published erratum appears in Drugs 1991 Feb;41(2):192] Harron DW, et al. **Drugs** 1991 Jan;41(1):130–49 (81 ref.)

PINEAL BODY

Successful treatment of a pineal endodermal sinus tumor. Case report. Kirkove CS, et al. **J Neurosurg** 1991 May; 74(5):832–6 (33 ref.)

Symptomatic pineal cyst: case report. Maurer PK, et al. **Neurosurgery** 1990 Sep;27(3):451–3; discussion 453–4 (16 ref.)

[A case of pineal epidermoid cyst showing an interesting magnetic resonance imaging] Kasai H, et al. **No Shinkei Geka** 1990 Aug;18(8):767–71 (20 ref.) (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Chronopharmacological actions of the pineal gland. Brown GM. **Drug Metabol Drug Interact** 1990;8(3-4):189-201 (41 ref.)
Neuropharmacology of pineal secretions. Lewis AJ, et al. **Drug Metabol Drug Interact** 1990;8(3-4):247-312 (353 ref.)

METABOLISM

Pineal melatonin: cell biology of its synthesis and of its physiological interactions. Reiter RJ. **Endocr Rev** 1991 May;12(2):151-80 (383 ref.)
Possible role of pineal melatonin in the mechanisms of aging. Sandyk R. **Int J Neurosci** 1990 May;52(1-2):85-92 (54 ref.)

PATHOLOGY

Bone metastasis associated with shunt-related peritoneal deposits from a pineal germinoma. Case report and review of the literature. Pallini R, et al. **Acta Neurochir (Wien)** 1991;109(1-2):78-83 (35 ref.)

PHYSIOLOGY

GABA as a presumptive paracrine signal in the pineal gland. Evidence on an intrapineal GABAergic system. Rosenstein RE, et al. **Brain Res Bull** 1990 Aug;25(2):339-44 (51 ref.)
Biochemistry of the pineal gland as an endocrine organ. Feuer G. **Drug Metabol Drug Interact** 1990;8(3-4):203-46 (181 ref.)
Tardive dyskinesia in bipolar disorders: possible role of pineal melatonin. Sandyk R. **Int J Neurosci** 1990 Jun; 52(3-4):233-8 (56 ref.)
Pineal melatonin functions: possible relevance to Parkinson's disease. Sandyk R. **Int J Neurosci** 1990 Jan;50(1-2):37-53 (164 ref.)
Melatonin in humans, neuroendocrinological and pharmacological aspects. Claustrat B, et al. **Int J Rad Appl Instrum [B]** 1990;17(7):625-32 (60 ref.)
Involvement of calcium in pineal gland function. Morton DJ, et al. **Proc Soc Exp Biol Med** 1991 Sep;197(4):378-83 (30 ref.)
The neurobiology of magnetic field detection in rodents. Olcese JM. **Prog Neurobiol** 1990;35(4):325-30 (47 ref.)
[Regulation of the biologic rhythms in mammals. Function of the pineal gland] Cardinali DP. **An R Acad Nac Med (Madr)** 1990;107(3):433-42 (51 ref.) **(Spa)**

PHYSIOPATHOLOGY

Oncostatic effects of the pineal gland. Kerenyi NA, et al. **Drug Metabol Drug Interact** 1990;8(3-4):313-9 (253 ref.)
Mechanisms of action of ECT in Parkinson's disease: possible role of pineal melatonin. Sandyk R. **Int J Neurosci** 1990 Jan;50(1-2):83-94 (91 ref.)
Seasonal affective disorder and the yoga paradigm: a reconsideration of the role of the pineal gland. Leskowitz E. **Med Hypotheses** 1990 Nov;33(3):155-8 (22 ref.)
Pineal melatonin in schizophrenia: a review and hypothesis. Sandyk R, et al. **Schizophr Bull** 1990;16(4):653-62 (120 ref.)
[Role of the pineal body in reproduction and in gynecologic tumors] Bartsch C, et al. **Geburtshilfe Frauenheilkd** 1991 Jan;51(1):1-8 (97 ref.) (Eng. Abstr.) **(Ger)**

SECRETION

Dynamic organization of endocrine networks. The neuroendocrine-reproductive axis and the pineal gland as examples. Reiter RJ, et al. **Ann N Y Acad Sci** 1991; 618:11-27 (41 ref.)
Rhythmic release pattern of pineal melatonin in rodents. Chan YS, et al. **Neuroendocrinology** 1991;53 Suppl 1:60-7 (65 ref.)

PINEALOMA

PATHOLOGY

[Histological diagnosis of brain tumors: (15). Pineocytoma, pineoblastoma] Kumanishi T, et al. **No Shinkei Geka** 1991 Feb;19(2):115-20 (34 ref.) (Eng. Abstr.) **(Jpn)**

SECONDARY

Bone metastasis associated with shunt-related peritoneal deposits from a pineal germinoma. Case report and review of the literature. Pallini R, et al. **Acta Neurochir (Wien)** 1991;109(1-2):78-83 (35 ref.)

PINK DISEASE see **ACRODYNIA**

PINTA

Endemic treponematoses. Part II. Pinta and endemic syphilis. Engelkens HJ, et al. **Int J Dermatol** 1991 Apr;30(4):231-8 (60 ref.)

PINWORMS see **ENTEROBIUS**

PIPECOLIC ACIDS

METABOLISM

Lysine-pipecolic acid metabolic relationships in microbes and mammals. Broquist HP. **Annu Rev Nutr** 1991;11:435-48 (48 ref.)

PHARMACOLOGY

CGS 19755: a novel competitive N-methyl-D-aspartate (NMDA) receptor antagonist with anticonvulsant, anxiolytic and anti-ischemic properties. Bennett DA, et al. **Prog Clin Biol Res** 1990;361:519-24 (11 ref.)

PIPERACILLIN

THERAPEUTIC USE

[Clinical experience with piperacillin in the prophylaxis of post-operative infections] Santi F. **Minerva Med** 1990 Oct; 81(10):701-5 (15 ref.) (Eng. Abstr.) **(Ita)**

PIPERAZINES

ANALYSIS

[Determinations of steroidal muscle relaxants and their metabolites] Fukushima K, et al. **Masui** 1991 Jan; 40(1):101-4 (15 ref.) (Eng. Abstr.) **(Jpn)**

CHEMISTRY

In-vivo metabolism of 4-substituted arylpiperazines to pharmacologically active 1-arylpiperazines. Caccia S. **Boll Chim Farm** 1990 May;129(5):183-9 (32 ref.)
Dioxopiperazines: chemistry and biology. Witiak DT, et al. **Prog Drug Res** 1990;35:249-363 (668 ref.)

PHARMACOLOGY

Behavioural pharmacology of the serenic, eltoprazine. Olivier B, et al. **Drug Metabol Drug Interact** 1990;8(1-2):31-83 (136 ref.)
Haemodynamic effects of the multiple action antihypertensive drug urapidil. Mancia G. **Drugs** 1990;40 Suppl 4:14-20; discussion 28-30 (12 ref.)
Pharmacology of the serotonergic anxiolytic tandospirone (SM-3997). Seymour PA, et al. **Prog Clin Biol Res** 1990; 361:453-60 (9 ref.)
Dioxopiperazines: chemistry and biology. Witiak DT, et al. **Prog Drug Res** 1990;35:249-363 (668 ref.)

THERAPEUTIC USE

[Atopic dermatitis: role of oxatomide] Taieb A. **Ann Dermatol Venereol** 1990;117 Suppl 1:15-9 (15 ref.) (Eng. Abstr.) **(Fre)**
[Duxil and cognitive deficiency in the elderly. Results of a 6-month controlled multicenter study] Poitrenaud J, et al. **Ann Med Interne (Paris)** 1990;141 Suppl 1:31-5 (21 ref.) (Eng. Abstr.) **(Fre)**

PIPERIDINES

Cisapride: a new class of prokinetic agent. The ACG Committee on FDA-related matters. American College of Gastroenterology. McCallum RW. **Am J Gastroenterol** 1991 Feb;86(2):135-49 (80 ref.)

CHEMICAL SYNTHESIS

[Development of a new gastrointestinal prokinetic; pharmacology of cisapride] Van Nueten JM, et al. **J Pharm Belg** 1991 Jan-Feb;46(1):17-22 (17 ref.) (Eng. Abstr.) **(Fre)**

CHEMISTRY

Evolution of the 4-anilidopiperidine class of opioid analgesics. Bagley JR, et al. **Med Res Rev** 1991 Jul; 11(4):403-36 (80 ref.)

PHARMACOLOGY

The use of diacylglycerol kinase inhibitors for elucidating the roles of protein kinase C. de Chaffoy de Courcelles D. **Adv Second Messenger Phosphoprotein Res** 1990; 24:491-6 (50 ref.)
Levocabastine. A review of its pharmacological properties and therapeutic potential as a topical antihistamine in allergic rhinitis and conjunctivitis. Dechant KL, et al. **Drugs** 1991 Feb;41(2):202-24 (26 ref.)
Paroxetine. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in depressive illness. Dechant KL, et al. **Drugs** 1991 Feb; 41(2):225-53 (96 ref.)
Brofaromine--a selective, reversible, and short-acting MAO-A inhibitor: review of the pharmacological and clinical findings. Möller HJ, et al. **Pharmacopsychiatry** 1991 Mar;24(2):50-4 (11 ref.)

THERAPEUTIC USE

Gastric emptying in gastroesophageal reflux and the therapeutic role of prokinetic agents. McCallum RW. **Gastroenterol Clin North Am** 1990 Sep;19(3):551-64 (57 ref.)
Reflux esophagitis. Tytgat GN, et al. **Scand J Gastroenterol Suppl** 1990;175:1-12 (64 ref.)

PIRENZEPINE

ANALOGS & DERIVATIVES

Receptor classification using antagonists without determining pA2 values. Kromer W. **Trends Pharmacol Sci** 1991 Jan; 12(1):11-3 (11 ref.)

PHARMACOLOGY

Receptor classification using antagonists without determining pA2 values. Kromer W. **Trends Pharmacol Sci** 1991 Jan; 12(1):11-3 (11 ref.)

PIROPLASMA see **BABESIA**

PIROPLASMOSIS see **BABESIOSIS**

PIROXICAM

ANALOGS & DERIVATIVES

Tenoxicam. An update of its pharmacology and therapeutic efficacy in rheumatic diseases. Todd PA, et al. **Drugs** 1991 Apr;41(4):625-46 (167 ref.)
Overview of the pharmacological properties, pharmacokinetics and animal safety assessment of lornoxicam. Pruss TP, et al. **Postgrad Med J** 1990;66 Suppl 4:S18-21 (9 ref.)
Clinical pharmacological studies of some possible interactions of lornoxicam with other drugs. Ravic M, et al. **Postgrad Med J** 1990;66 Suppl 4:S30-4 (10 ref.)
Clinical pharmacokinetic studies with lornoxicam. Turner P, et al. **Postgrad Med J** 1990;66 Suppl 4:S28-9 (7 ref.)

THERAPEUTIC USE

Piroxicam decreases postirradiation colonic neoplasia in the rat. Northway MG, et al. **Cancer** 1990 Dec 1;66(11):2300-5 (41 ref.)
[Piroxicam in analgesia] Eandi M, et al. **Clin Ter** 1991 Jan 31;136(2):107-35 (52 ref.) (Eng. Abstr.) **(Ita)**

PIT AND FISSURE SEALANTS

Present and future value of dental composite materials and sealants. Dogon IL. **Int J Technol Assess Health Care** 1990; 6(3):369-77 (52 ref.)

THERAPEUTIC USE

Pit and fissure sealants. An underutilized preventive technology. Cohen LD. **Int J Technol Assess Health Care** 1990;6(3):378-91 (74 ref.)
Dental sealants. Truhe TF. **N Y State Dent J** 1991 Feb; 57(2):25-7 (26 ref.)

PIT VIPER VENOMS see **CROTALID VENOMS**

PITUITARY ADENOMA, PROLACTIN-SECRETING see **PROLACTINOMA**

PITUITARY-ADRENAL SYSTEM

DRUG EFFECTS

Cytokines and the hypothalamic-pituitary-adrenal axis. Hermus AR, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):867-71 (46 ref.)
[Pharmacologic profile of protirelin tartrate] Angelucci L, et al. **Ann Ital Med Int** 1990 Jul-Sep;5(3 Pt 2):232-44 (106 ref.) (Eng. Abstr.) **(Ita)**

GROWTH & DEVELOPMENT

Glucose homeostasis and hypothalamic-pituitary-adrenocortical axis during development in rats. Widmaier EP. **Am J Physiol** 1990 Nov;259(5 Pt 1):E601-13 (131 ref.)

PHYSIOLOGY

Nutritional and hemodynamic factors influencing adenopituitary function in man. Vigaš M, et al. **Adv Exp Med Biol** 1990;274:407-26 (34 ref.)
Endocrine function and regulation of the fetal and neonatal testis. Huhtaniemi I. **Int J Dev Biol** 1989 Mar;33(1):117-23 (38 ref.)
Neuroendocrine regulation of pulsatile luteinizing hormone secretion in elderly men. Kaufman JM, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):421-30 (42 ref.)
[Molecular basis of the communication of the nervous, endocrine and immune systems] Brunetti L. **Clin Ter** 1991 Mar 15;136(5):301-20 (254 ref.) (Eng. Abstr.) **(Ita)**
[Functional anatomy on the hypothalamic-hypophysial-adrenocortical axis] Daikoku S. **Nippon Hifuka Gakkai Zasshi** 1990 Nov;100(13):1312-5 (18 ref.) **(Jpn)**

PHYSIOPATHOLOGY

Hypothalamic-pituitary-adrenal axis in psychiatric disorders. Stokes PE, et al. **Annu Rev Med** 1991;42:519-31 (41 ref.)
How behavioral stress disrupts the endocrine control of reproduction in domestic animals. Moberg GP.

J Dairy Sci 1991 Jan;74(1):304–11 (49 ref.)
[The effects of the responses to surgical stresses] Tsuji H. Nippon Geka Gakkai Zasshi 1990 Oct;91(10):1519–23 (21 ref.) (Jpn)
[Endocrine disorders in patients with chronic renal failure] Więcek A, et al. Postepy Hig Med Dosw 1989; 43(5–6):423–51 (284 ref.) (Pol)

PITUITARY APOPLEXY

ETIOLOGY

[Pituitary apoplexy. 3 cases] Slimane H, et al. Tunis Med 1991 Jan;69(1):61–8 (22 ref.) (Eng. Abstr.) (Fre)

PITUITARY DISEASES

Endocrine management of the open heart surgical patient. Hoogwerf BJ, et al. Semin Thorac Cardiovasc Surg 1991 Jan;3(1):75–80 (42 ref.)

COMPLICATIONS

Lymphocytic hypophysitis and pulmonary sarcoidosis. Report of a case. Hayashi H, et al. Am J Clin Pathol 1991 Apr;95(4):506–11 (32 ref.)

DIAGNOSIS

Clinical, radiographic, and pathological features of symptomatic Rathke's cleft cysts. Voelker JL, et al. J Neurosurg 1991 Apr;74(4):535–44 (106 ref.)
Lymphocytic hypophysitis with involvement of the cavernous sinus and hypothalamus. Nussbaum CE, et al. Neurosurgery 1991 Mar;28(3):440–4 (21 ref.)
Diagnosis of pituitary adenomas and pituitary insufficiency. Hagen C, et al. Scand J Clin Lab Invest Suppl 1990; 202:99–102 (13 ref.)
[Hormone diagnosis of diseases of the hypophysis, adrenal glands and gonads] Hubl W, et al. Z Arztl Fortbild (Jena) 1991 Feb 25;85(3–4):99–103 (9 ref.) (Ger)

DRUG THERAPY

Therapeutic effects of neuroactive drugs on hypothalamo–pituitary in man. Trainer PJ, et al. Adv Exp Med Biol 1990;274:165–76 (52 ref.)

IMMUNOLOGY

Lymphocytic adenohypophysitis: an immunohistochemical study. Hashimoto M, et al. Surg Neurol 1991 Aug; 36(2):137–44 (30 ref.)

PHYSIOPATHOLOGY

[Effect of neurohormones on the secretion of hormones of the anterior pituitary gland] Kosowicz J. Acta Physiol Pol 1989;40 Suppl 34:1–10 (16 ref.) (Pol)

PITUITARY GLAND

see related
HYPOPHYSECTOMY

[Early onset of hypopituitarism with pituitary stalk transection syndrome] Despert F, et al. Arch Fr Pediatr 1991 Apr;48(4):271–4 (12 ref.) (Eng. Abstr.) (Fre)

ANATOMY & HISTOLOGY

[Magnetic resonance imaging of the pituitary gland and the sella turcica region. Normal and pathological aspect] Baleriaux D, et al. Ann Endocrinol (Paris) 1990; 51(3–4):173–80 (26 ref.) (Eng. Abstr.) (Fre)

DRUG EFFECTS

Danazol. Donaldson VH. Am J Med 1989 Sep; 87(3N):49N–55N (92 ref.)
Effect of oestradiol on dopamine receptors and protein kinase C activity in the rat pituitary: binding of oestradiol to pituitary membranes. Joubert–Bression D, et al. Ciba Found Symp 1990;153:156–68; discussion 168–71 (28 ref.)

EMBRYOLOGY

Molecular aspects of the ontogeny of pituitary and gonadal function. Huhtaniemi IT, et al. Ann N Y Acad Sci 1991; 626:62–72 (29 ref.)

METABOLISM

Cellular mechanisms underlying the development and expression of individual differences in the hypothalamic–pituitary–adrenal stress response. Meaney MJ, et al. J Steroid Biochem Mol Biol 1991 Aug; 39(2):265–74 (90 ref.)
Endocrine control of hypothalamic and pituitary met-enkephalin and beta-endorphin contents. Tang F. Neuroendocrinology 1991;53 Suppl 1:68–76 (46 ref.)
Localization and modulation of brain and pituitary receptors involved in stress responses. De Souza EB. Psychopharmacol Bull 1988;24(3):360–4 (25 ref.)

PHYSIOLOGY

Neuroendocrinology of the hypothalamo–pituitary–adrenal axis in pregnancy and the puerperium. Smith R, et al. Baillieres Clin Endocrinol Metab 1991 Mar;5(1):167–86 (93 ref.)
Endocrinology of male fertility and infertility. Schlaff WD, et al. Curr Opin Obstet Gynecol 1990 Jun;2(3):412–7 (24 ref.)
The role of the hippocampus in feedback regulation of the hypothalamic–pituitary–adrenocortical axis. Jacobson L, et al. Endocr Rev 1991 May;12(2):118–34 (159 ref.)
The role of growth factors in the pituitary. Ezzat S, et al. J Endocrinol Invest 1990 Sep;13(8):691–8 (66 ref.)
Vasoactive intestinal peptide in the hypothalamus and pituitary. Lam KS. Neuroendocrinology 1991;53 Suppl 1:45–51 (68 ref.)

PHYSIOPATHOLOGY

Psychological aspects of hypothalamo–pituitary–adrenal activity. Ur E. Baillieres Clin Endocrinol Metab 1991 Mar; 5(1):79–96 (113 ref.)
[Hypophyseal–thyroid system in patients with menstrual dysfunction] Prilepskaia VN, et al. Akush Ginekol (Mosk) 1991 Mar;(3):5–8 (71 ref.) (Rus)

SECRETION

Circulating blood glucose and hypothalamic–pituitary secretion. Grino M, et al. Adv Exp Med Biol 1990; 274:391–406 (58 ref.)

PITUITARY GLAND, ANTERIOR

CHEMISTRY

[Neuropeptides of anterior pituitary origin] Peillon F, et al. Ann Endocrinol (Paris) 1990;51(3–4):133–6 (20 ref.) (Eng. Abstr.) (Fre)

CYTOLOGY

[Mechanisms of action of various neuropeptides on anterior pituitary cells. Electrophysiologic and microspectrofluorometric approach] Dufy B, et al. Ann Endocrinol (Paris) 1990;51(3–4):130–2 (19 ref.) (Fre)
[Neuropeptides and regulation of various proto–oncogenes in cultured anterior pituitary cells] Gourdji D. Ann Endocrinol (Paris) 1990;51(3–4):126–9 (10 ref.) (Eng. Abstr.) (Fre)
[The determination of the cytodifferentiation of the adenohypophysis in embryonic development] Barabanov VM. Ontogenez 1991 Mar–Apr;22(2):175–81 (36 ref.) (Eng. Abstr.) (Rus)

METABOLISM

Towards a functional significance of peptides and biogenic amines produced by the anterior pituitary. Houben H, et al. J Endocrinol Invest 1990 Nov;13(10):855–63 (76 ref.)
[Mechanism of action of gonadoliberin in pituitary gonadotropic cells] Arsenijevic Y, et al. Ann Endocrinol (Paris) 1990;51(2):65–71 (82 ref.) (Eng. Abstr.) (Fre)

PATHOLOGY

[Normal and tumorous human gonadotropic cells] Trouillas J, et al. Ann Endocrinol (Paris) 1990;51(2):54–64 (95 ref.) (Eng. Abstr.) (Fre)

PHYSIOLOGY

Hypothalamic neuropeptide Y: a circuit in the regulation of gonadotropin secretion and feeding behavior. Kaira SP, et al. Ann N Y Acad Sci 1990;611:273–83 (59 ref.)
Neuropeptides synthesised in the anterior pituitary: possible paracrine role. O'Halloran DJ, et al. Mol Cell Endocrinol 1991 Jan;75(1):C7–12 (94 ref.)
[Regulation of prolactin secretion at the cellular level] Bilinski M, et al. Acta Physiol Pharmacol Latinoam 1990; 40(4):437–98 (525 ref.) (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Hyponoradrenergic syndrome of weightlessness: its manifestations in mammals and possible mechanism. Krasnov IB. Physiologist 1991 Feb;34(1 Suppl):S23–6 (43 ref.)
[Pathophysiology of systemic changes in premature menopause] Kolesnikova TN. Akush Ginekol (Mosk) 1990 Dec;(12):7–11 (81 ref.) (Rus)

SECRETION

Ontogenic studies of the neural control of adenohypophyseal hormones in the rat: gonadotropins. Becú-Villalobos D, et al. Cell Mol Neurobiol 1990 Dec;10(4):473–84 (86 ref.)
Paracrine control of anterior pituitary hormone secretion. Jones TH, et al. J Endocrinol 1990 Oct;127(1):5–13 (109 ref.)
Involvement of cytoskeleton in polypeptide hormone secretion from the anterior pituitary lobe: a review. Ravindra R, et al. Mol Cell Endocrinol 1990 Jul 9; 71(3):165–76 (24 ref.)
[Ontogenesis of gonadotropic cells] Dubois PM. Ann Endocrinol (Paris) 1990;51(2):47–53 (86 ref.) (Eng. Abstr.) (Fre)
[Effect of neurohormones on the secretion of hormones of the anterior pituitary gland] Kosowicz J. Acta Physiol Pol 1989;40 Suppl 34:1–10 (16 ref.) (Pol)

PITUITARY GLAND, POSTERIOR

SECRETION

Effects of ethanol on calcium channels, potassium channels, and vasopressin release. Treistman SN, et al. Ann N Y Acad Sci 1991;625:249–63 (32 ref.)
[Neurohormones of the posterior pituitary gland--their biosynthesis, secretion and physiological role] Ciosek J. Acta Physiol Pol 1989;40 Suppl 33:1–27 (172 ref.) (Pol)

PITUITARY GLYCOPROTEIN HORMONE, ALPHA SUBUNIT see **GLYCOPROTEIN HORMONES, ALPHA SUBUNIT**

PITUITARY GONADOTROPIN RECEPTORS see **RECEPTORS, GONADOTROPIN**

PITUITARY GROWTH HORMONE see **SOMATOTROPIN**

PITUITARY HORMONE-RELEASING HORMONES

PHYSIOLOGY

Ontogenic studies of the neural control of adenohypophyseal hormones in the rat: gonadotropins. Becú-Villalobos D, et al. Cell Mol Neurobiol 1990 Dec;10(4):473–84 (86 ref.)
Evidence that gonadotrophin surge–attenuating factor exists in man. Messinis IE, et al. J Reprod Fertil 1991 May; 92(1):217–23 (35 ref.)

PITUITARY HORMONES

Melanin–concentrating hormone: a general vertebrate neuropeptide. Baker BI. Int Rev Cytol 1991;126:1–47 (117 ref.)

ADVERSE EFFECTS

Creutzfeldt–Jakob disease following treatment with human pituitary hormones. Preece MA. Clin Endocrinol (Oxf) 1991 Jun;34(6):527–9 (19 ref.)

ANALYSIS

Office screening of pituitary reserve. Schroffner WG. Hawaii Med J 1990 Nov;49(11):423, 425–6 (15 ref.)

GENETICS

[Recombinant DNA in the study of protein hormones] Pankov IuA. Mol Biol (Mosk) 1990 Sep–Oct;24(5):1162–72 (51 ref.) (Eng. Abstr.) (Rus)

METABOLISM

Regulation of pituitary hormones by thymosins and other immune system products. Hall NR, et al. Immunol Ser 1989; 45:469–77 (32 ref.)

PHYSIOLOGY

Actions of pituitary prolactin and insulin–like growth factor II in human breast cancer. Shiu RP, et al. Cancer Treat Res 1988;40:167–83 (50 ref.)

SECRETION

The role of histamine in the neuroendocrine regulation of pituitary hormone secretion. Knigge U, et al. Acta Endocrinol (Copenh) 1991 Jun;124(6):609–19 (65 ref.)

PITUITARY HORMONES, ANTERIOR

BLOOD

Neuroendocrine effects of benzodiazepines. De Souza EB. J Psychiatr Res 1990;24 Suppl 2:111–9 (50 ref.)
[Hormone inactive hypophyseal tumors and anterior hypophyseal insufficiency] Kröhne HJ, et al. Z Arztl Fortbild (Jena) 1991 Feb 25;85(3–4):119–23 (14 ref.) (Ger)

PHYSIOLOGY

Role of monokines in control of anterior pituitary hormone release. McCann SM, et al. Adv Exp Med Biol 1990; 274:315–29 (31 ref.)
[Regulation of ovarian growth processes in the light of recent studies] Szymczykiewicz P, et al. Endokrynol Pol 1989; 40(6):325–36 (80 ref.) (Pol)

SECRETION

Involvement of cytoskeleton in polypeptide hormone secretion from the anterior pituitary lobe: a review. Ravindra R, et al. Mol Cell Endocrinol 1990 Jul 9; 71(3):165–76 (24 ref.)

PITUITARY HORMONES, POSTERIOR

see related
NEUROPHYSINS

PITUITARY NEOPLASMS

COMPLICATIONS

Mixed pituitary adenoma and gangliocytoma associated with acromegaly—case report. Asada H, et al. **Neurol Med Chir (Tokyo)** 1990 Aug;30(8):628–32 (23 ref.)

Management of Cushing's syndrome secondary to adrenal adenoma during pregnancy. Pricolo VE, et al. **Surgery** 1990 Dec;108(6):1072–7; discussion 1077–8 (28 ref.)

[Pituitary apoplexy. 3 cases] Slimane H, et al. **Tunis Med** 1991 Jan;69(1):61–8 (22 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Malignant prolactinomas. Popovic EA, et al. **Neurosurgery** 1991 Jul;29(1):127–30 (20 ref.)

Diagnosis of pituitary adenomas and pituitary insufficiency. Hagen C, et al. **Scand J Clin Lab Invest Suppl** 1990; 202:99–102 (13 ref.)

[Solitary plasmacytoma simulating pituitary adenoma] Jacquet G, et al. **Neurochirurgie** 1991;37(1):67–71 (19 ref.) (Eng. Abstr.) **(Fre)**

[Hormone inactive hypophyseal tumors and anterior hypophyseal insufficiency] Kröhne HJ, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):119–23 (14 ref.) **(Ger)**

DRUG THERAPY

[Therapy of micro- and macroprolactinoma. Must dopamine agonists be given lifelong?] von Werder K. **Dtsch Med Wochenschr** 1991 Jan 4;116(1):25–7 (17 ref.) **(Ger)**

[Medical treatment of prolactin-secreting hypophyseal adenoma] Limone P, et al. **Minerva Endocrinol** 1990 Jan–Mar;15(1):3–8 (20 ref.) (Eng. Abstr.) **(Ita)**

[Drug therapy of pituitary tumors] Kato Y. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):368–72 (10 ref.) **(Jpn)**

ETIOLOGY

The association of oral contraception with kidney cancer, colon cancer, gallbladder cancer (including extrahepatic bile duct cancer) and pituitary tumours. Milne R, et al. **Contraception** 1991 Jun;43(6):667–93 (73 ref.)

GENETICS

GTPase-inhibiting mutations activate the alpha-chain of Gs in human tumours. Vallar L. **Biochem Soc Symp** 1990; 56:165–70 (15 ref.)

METABOLISM

Heterogeneity of growth hormone production in human pituitary tumour cells [comment] Davis JR. **Clin Endocrinol (Oxf)** 1991 Jan;34(1):3–4 (13 ref.) Comment on: Clin Endocrinol (Oxf) 1991 Jan;34(1):5–11.

PATHOLOGY

Primary pituitary carcinoma with spinal cord metastasis—case report. Sakamoto T, et al. **Neurol Med Chir (Tokyo)** 1990 Oct;30(10):763–7 (33 ref.)

[Normal and tumorous human gonadotropic cells] Trouillas J, et al. **Ann Endocrinol (Paris)** 1990;51(2):54–64 (95 ref.) (Eng. Abstr.) **(Fre)**

[Primary carcinoma of the pituitary gland with Cushing's syndrome and metastases. Apropos of a case with review of the literature] Lévesque H, et al. **Rev Med Interne** 1991 May–Jun;12(3):209–12 (25 ref.) (Eng. Abstr.) **(Fre)**

[Multiple liver metastases of a suprasellar germ cell tumor treated with combined chemotherapy of cisplatin and etoposide] Adachi J, et al. **No Shinkei Geka** 1991 Jul; 19(7):671–5 (16 ref.) (Eng. Abstr.) **(Jpn)**

[A case report of adjacent tumor of sphenoid ridge meningioma and GH producing pituitary adenoma] Uno M, et al. **No Shinkei Geka** 1991 Jun;19(6):583–7 (21 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

[Prolactinoma and pregnancy] Gangemi M. **Minerva Endocrinol** 1990 Jan–Mar;15(1):9–11 (16 ref.) (Eng. Abstr.) **(Ita)**

SECRETION

ACTH-producing pituitary tumors. Grua JR, et al. **Endocrinol Metab Clin North Am** 1991 Jun;20(2):319–62 (357 ref.)

Diagnosis and management of hormone-secreting pituitary adenomas. Klibanski A, et al. **N Engl J Med** 1991 Mar 21;324(12):822–31 (114 ref.)

[Gonadotropic adenoma. Clinical and hormonal characteristics] Fossati P, et al. **Ann Endocrinol (Paris)** 1990;51(2):89–96 (77 ref.) (Eng. Abstr.) **(Fre)**

[Hypophyseal tumors and diabetes mellitus. Hypothalamus–hypophyseal correlations and glucose metabolism] Blasi C, et al. **Minerva Endocrinol** 1990 Jul–Sep;15(3):163–8 (43 ref.) (Eng. Abstr.) **(Ita)**

SURGERY

Sellar and parasellar lesions. Chandler WF. **Clin Neurosurg** 1991;37:514–27 (21 ref.)

Transsphenoidal hypophysectomy: a critical review. Siegel MB, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1990; 42:1002–7 (20 ref.)

[Advances in rhinoneurosurgery] Pu G. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1988;23(2):120–3 (20 ref.) **(Chi)**

[Treatment of suprasellar arachnoid cysts by percutaneous transfrontal ventriculocystostomy. Apropos of a series of 17 cases] Pierre-Kahn A, et al. **Neurochirurgie** 1990; 36(6):370–7 (48 ref.) (Eng. Abstr.) **(Fre)**

[Neurosurgical therapy of hypophyseal adenomas] Besel R, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):141–5 (10 ref.) **(Ger)**

[A case of bacterial aneurysm following Hardy's operation] Takahashi Y, et al. **No Shinkei Geka** 1991 Jul;19(7):665–9 (20 ref.) (Eng. Abstr.) **(Jpn)**

[Entirely suprasellar symptomatic Rathke's cleft cyst] Yuge T, et al. **No Shinkei Geka** 1991 Mar;19(3):273–8 (16 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Management of prolactinomas. Cunnah D, et al. **Clin Endocrinol (Oxf)** 1991 Mar;34(3):231–5 (23 ref.)

Pituitary tumors. Pfeffer MR, et al. **Curr Opin Oncol** 1990 Feb;2(1):73–8 (26 ref.)

The treatment of prolactin-secreting pituitary adenomas. An update. Limone P, et al. **Panminerva Med** 1990 Apr–Jun; 32(2):56–60 (32 ref.)

ULTRASTRUCTURE

Somatostatin receptor imaging in vivo localization of tumors with a radiolabeled somatostatin analog. Lamberts SW, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1079–82 (14 ref.)

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the pituitary gland. Lloyd RV. **IARC Sci Publ** 1990;(99):499–537 (196 ref.)

PITYRIASIS

Disorders of hypopigmentation in children. Pinto FJ, et al. **Pediatr Clin North Am** 1991 Aug;38(4):991–1017 (55 ref.)

Severe febrile Mucha–Habermann's disease in children: case report and review of the literature. Luberti AA, et al. **Pediatr Dermatol** 1991 Mar;8(1):51–7 (25 ref.)

PITYRIASIS RUBRA PILARIS

DIAGNOSIS

[Devergie's lichen ruber pilaris] Kalamkarian AA, et al. **Vestn Dermatol Venerol** 1990;(6):20–4 (71 ref.) **(Rus)**

PITYRIASIS VERSICOLOR see **TINEA VERSICOLOR**

PITYROSPORUM see **MALASSEZIA**

PIXE see **SPECTROMETRY, X-RAY EMISSION**

PLACEBO EFFECT

Magic or medicine? Clinical pharmacological basis of placebo medication. Oh VM. **Ann Acad Med Singapore** 1991 Jan; 20(1):31–7 (47 ref.)

Great expectations: some suggestions for applying the balanced placebo design to nicotine and smoking. Sutton SR. **Br J Addict** 1991 May;86(5):659–62 (8 ref.)

Is homoeopathy a placebo? Ernst E. **Br J Clin Pharmacol** 1990 Aug;30(2):173–4 (15 ref.)

Nursing responsibility for the placebo effect. Connelly RJ. **J Med Philos** 1991 Jun;16(3):325–41 (50 ref.)

PLACEBOS

Magic or medicine? Clinical pharmacological basis of placebo medication. Oh VM. **Ann Acad Med Singapore** 1991 Jan; 20(1):31–7 (47 ref.)

THERAPEUTIC USE

Is light treatment a placebo? Brown WA. **Psychopharmacol Bull** 1990;26(4):527–30 (13 ref.)

What the placebo literature can tell us about light therapy for SAD. Eastman CI. **Psychopharmacol Bull** 1990; 26(4):495–504 (49 ref.)

Placebos in evaluating light therapy for seasonal affective disorder. Stewart J. **Psychopharmacol Bull** 1990;26(4):525–6 (5 ref.)

PLACENTA

see related
MATERNAL-FETAL EXCHANGE

ANATOMY & HISTOLOGY

A brief review of the anatomy, histology, and ultrastructure of the full-term placenta. Novak RF. **Arch Pathol Lab Med** 1991 Jul;115(7):654–9 (10 ref.)

The prenatal origins of adult hypertension. **Nutr Rev** 1991 May;49(5):160–1 (11 ref.)

BLOOD SUPPLY

Developmental pathogenesis of defects associated with prenatal cocaine exposure: fetal vascular disruption. Jones KL. **Clin Perinatol** 1991 Mar;18(1):139–46 (24 ref.)

A review of the etiology, diagnostic techniques and management of IUGR, and the clinical application of Doppler in the assessment of placental blood flow. Wladimiroff JW. **J Perinat Med** 1991;19(1–2):11–3 (7 ref.)

Endothelium-derived vasoactive substances in fetal placental vessels. Chaudhuri G, et al. **Semin Perinatol** 1991 Feb; 15(1):63–7 (36 ref.)

[Pathology of the spiral arteries of the uterus and its significance in the pathogenesis of disorders of the uteroplacental circulation] Voloshchuk IN. **Vestn Akad Med Nauk SSSR** 1991;(5):22–6 (50 ref.) (Eng. Abstr.) **(Rus)**

CHEMISTRY

Inhibin subunits in human placenta: localization and messenger ribonucleic acid levels during pregnancy. Petraglia F, et al. **Am J Obstet Gynecol** 1991 Sep; 165(3):750–8 (16 ref.)

CYTOLOGY

Granulated metrial gland cells: pregnancy specific leukocytes? Stewart IJ. **J Leukoc Biol** 1991 Aug; 50(2):198–207 (90 ref.)

[Functional morphology of the extravillous (peripheral) cyto- trophoblast of human placenta] Milovanov AP, et al. **Arkh Anat Gistol Embriol** 1990 Oct;99(10):77–82 (36 ref.) **(Rus)**

GROWTH & DEVELOPMENT

[Pathology of the placenta. III. Maturation disorders of the placenta] Emmrich P. **Zentralbl Allg Pathol** 1990; 136(7–8):643–56 (25 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

[The fetal-maternal interface. Description of its elements from an immunologic perspective] Vinatier D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1990;19(6):691–700 (84 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Placental steroid hormones. Conley AJ, et al. **Baillieres Clin Endocrinol Metab** 1990 Jun;4(2):249–72 (140 ref.)

Transport of amino acids and nucleosides in the placenta. Yudilevich DL, et al. **Biochem Soc Trans** 1990 Dec; 18(6):1136–40 (30 ref.)

Different combinations of regulatory elements may explain why placenta-specific expression of the glycoprotein hormone alpha-subunit gene occurs only in primates and horses. Nilson JH, et al. **Biol Reprod** 1991 Feb;44(2):231–7 (35 ref.)

Transplacental transport of lead. Goyer RA. **Environ Health Perspect** 1990 Nov;89:101–5 (35 ref.)

Tumor necrosis factor in the human fetoplacentary unit. Saksela E, et al. **Int J Dev Biol** 1989 Mar;33(1):173–6 (12 ref.)

Transport of amino acids by the human placenta: predicted effects thereon of maternal hyperphenylalaninaemia. Kudo Y, et al. **J Inherited Metab Dis** 1990;13(4):617–26 (18 ref.)

Interferons at the placental interface. Roberts RM, et al. **J Reprod Fertil Suppl** 1990;41:63–74 (49 ref.)

Regulation of the synthesis and release of decidual prolactin by placental and autocrine/paracrine factors. Handwerger S, et al. **Placenta** 1991 Mar–Apr;12(2):121–30 (20 ref.)

Current topic: interferon and human placental development. Loke YW, et al. **Placenta** 1990 Jul–Aug;11(4):291–9 (67 ref.)

Corticotrophin-releasing hormone production by the placenta and fetal membranes. Riley SC, et al. **Placenta** 1991 Mar–Apr;12(2):105–19 (82 ref.)

Effects of chorionic GNRH on intrauterine tissues and pregnancy. Siler-Khodr TM, et al. **Placenta** 1991 Mar–Apr; 12(2):91–103 (55 ref.)

Transplacental amino acid transfer and its study using positron emission tomography. A short review based on a doctoral thesis. Berglund L. **Ups J Med Sci** 1990; 95(2):95–115 (65 ref.)

MICROBIOLOGY

Endogenous retroviral expression in the human placenta. Johnson PM, et al. **Am J Reprod Immunol** 1990 Aug; 23(4):115–20 (85 ref.)

PATHOLOGY

Why all placentas should be examined by a pathologist in 1990 [see comments] Salafia CM, et al. **Am J Obstet Gynecol** 1990 Oct;163(4 Pt 1):1282–93 (48

ref.) Comment in: Am J Obstet Gynecol 1991 Jul;165(1):235.
College of American Pathologists Conference XIX on the Examination of the Placenta: report of the Working Group on Indications for Placental Examination. Altshuler G, et al. **Arch Pathol Lab Med** 1991 Jul;115(7):701–3 (15 ref.)
Neonatal intracranial choriocarcinoma. Chandra SA, et al. **Arch Pathol Lab Med** 1990 Oct;114(10):1079–82 (20 ref.)
College of American Pathologists Conference XIX on the Examination of the Placenta: report of the Working Group on Methods for Placental Examination. Driscoll SG, et al. **Arch Pathol Lab Med** 1991 Jul;115(7):704–8 (8 ref.)
College of American Pathologists Conference XIX on the Examination of the Placenta: report of the Working Group on the Definition of Structural Changes Associated with Abnormal Function in the Maternal/Fetal/Placental Unit in the Second and Third Trimesters. Kaplan C, et al. **Arch Pathol Lab Med** 1991 Jul;115(7):709–16 (9 ref.)
Fact and fancy. What can we really tell from the placenta? Macpherson T. **Arch Pathol Lab Med** 1991 Jul; 115(7):672–81 (137 ref.)
College of American Pathologists Conference XIX on the Examination of the Placenta: report of the Working Group on the Role of the Pathologist in Malpractice Litigation Involving the Placenta. Naeye R, et al. **Arch Pathol Lab Med** 1991 Jul;115(7):717–9 (7 ref.)
Placental site trophoblastic tumors (trophoblastic pseudotumors): pathology and clinical importance. Maymon R, et al. **Obstet Gynecol Surv** 1990 Oct; 45(10):654–6 (23 ref.)
[The so-called placental site trophoblastic tumor] Ammann M, et al. **Geburtshilfe Frauenheilkd** 1991 Jan;51(1):67–9 (9 ref.) **(Ger)**
[Pathology of the placenta. IV. Maturation disorders of the placenta under special clinical conditions] Emmrich P. **Zentralbl Pathol** 1991;137(1):2–13 (22 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

The role of the placenta in nutrition of the human fetus. Schneider H. **Am J Obstet Gynecol** 1991 Apr;164(4):967–73 (30 ref.)
Involvement of placental neurohormones in human parturition. Petraglia F, et al. **Ann N Y Acad Sci** 1991; 622:331–40 (53 ref.)
The trigger for parturition in sheep: fetal hypothalamus or placenta? Thorburn GD, et al. **J Dev Physiol** 1991 Feb; 15(2):71–9 (54 ref.)
[Current aspects in the study of the embryology and functional morphology of the human placenta] Chernev T, et al. **Akush Ginekol (Sofiia)** 1990;29(6):61–7 (0 ref.) **(Bul)**

PHYSIOPATHOLOGY

Role of the placenta in perinatal transmission of HIV. Valente P, et al. **Obstet Gynecol Clin North Am** 1990 Sep; 17(3):607–16 (46 ref.)

ULTRASONOGRAPHY

Practical aspects of placental evaluation. Spirt BA, et al. **Semin Roentgenol** 1991 Jan;26(1):32–49 (33 ref.)

ULTRASTRUCTURE

Ultrastructure of the normal human placenta. Jones CJ, et al. **Electron Microsc Rev** 1991;4(1):129–78 (244 ref.)

PLACENTA ACCRETA

Postpartum hemorrhage: placenta accreta, uterine inversion, and puerperal hematomas. Zahn CM, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):422–31 (38 ref.)
Placenta membranacea with placenta increta: a case report and literature review. Greenberg JA, et al. **Obstet Gynecol** 1991 Sep;78(3 (Pt 2)):512–4 (22 ref.)

DIAGNOSIS

Placenta previa percreta involving the urinary bladder: a report of two cases and review of the literature. Price FV, et al. **Obstet Gynecol** 1991 Sep;78(3 (Pt 2)):508–11 (39 ref.)

DRUG THERAPY

Management of retained placenta using intraumbilical oxytocin injection. Wingeier R, et al. **J Nurse Midwifery** 1991 Jul–Aug;36(4):240–4 (12 ref.)

PLACENTA DISEASES

Placenta membranacea with placenta increta: a case report and literature review. Greenberg JA, et al. **Obstet Gynecol** 1991 Sep;78(3 (Pt 2)):512–4 (22 ref.)

DIAGNOSIS

ABC of antenatal care. Antepartum haemorrhage. Chamberlain G. **BMJ** 1991 Jun 22;302(6791):1526–30 (0 ref.)

ETIOLOGY

Human immunodeficiency virus and the placenta. Current concepts of vertical transmission in relation to other viral agents. Schwartz DA, et al. **Ann Clin Lab Sci** 1991 Jul–Aug;21(4):264–74 (53 ref.)

PATHOLOGY

[Pathology of the placenta. III. Maturation disorders of the placenta] Emmrich P. **Zentralbl Allg Pathol** 1990; 136(7–8):643–56 (25 ref.) (Eng. Abstr.) **(Ger)**
[Pathology of the placenta. IV. Maturation disorders of the placenta under special clinical conditions] Emmrich P. **Zentralbl Pathol** 1991;137(1):2–13 (22 ref.) (Eng. Abstr.) **(Ger)**

ULTRASONOGRAPHY

Ultrasonographic assessment of placental abnormalities. Jauniaux E, et al. **Am J Obstet Gynecol** 1990 Nov;163(5 Pt 1):1650–8 (65 ref.)
[Migration of the placenta] Filipov E. **Akush Ginekol (Sofiia)** 1990;29(3):64–7 (21 ref.) **(Bul)**

PLACENTA PRAEVIA

Placenta previa. Lavery JP. **Clin Obstet Gynecol** 1990 Sep; 33(3):414–21 (20 ref.)

DIAGNOSIS

Placenta previa percreta involving the urinary bladder: a report of two cases and review of the literature. Price FV, et al. **Obstet Gynecol** 1991 Sep;78(3 (Pt 2)):508–11 (39 ref.)

PLACENTAL FUNCTION TESTS

METHODS

Urinary oestriol assay for monitoring fetoplacental function. Beischer N, et al. **Aust N Z J Obstet Gynaecol** 1991 Feb; 31(1):1–8 (11 ref.)

PLACENTAL INSUFFICIENCY

Studies in fetal malnutrition. Crosby WM. **Am J Dis Child** 1991 Aug;145(8):871–6 (21 ref.)

COMPLICATIONS

[Current problems of ante- and perinatal pathology] Milovanov AP, et al. **Vestn Akad Med Nauk SSSR** 1991; (5):3–7 (32 ref.) (Eng. Abstr.) **(Rus)**

ETIOLOGY

Acute chorioamnionitis and the disorders that produce placental insufficiency. Naeye RL. **Monogr Pathol** 1991; (33):286–307 (50 ref.)

SURGERY

[Cesarean section in pre-term pregnancy] Abramchenko VV, et al. **Akush Ginekol (Mosk)** 1991 Apr;(4):3–5 (25 ref.) **(Rus)**

PLACENTAL PROTEINS see **PREGNANCY PROTEINS**

PLACENTAL VILLI see **CHORIONIC VILLI**

PLACENTOMA, NORMAL see **PLACENTA**

PLACENTOME see **PLACENTA**

PLAGUE

EPIDEMIOLOGY

Yersiniosis. Carniel E, et al. **Comp Immunol Microbiol Infect Dis** 1990;13(2):51–8 (30 ref.)
Plague and tularemia. Craven RB, et al. **Infect Dis Clin North Am** 1991 Mar;5(1):165–75 (20 ref.)
Plague and Glasnost. First information about human cases in the USSR in 1989 and 1990. Velimirovic B. **Infection** 1990 Nov–Dec;18(6):388–93 (36 ref.)

IMMUNOLOGY

[The role of macrophages in the immunogenesis of plague] Vasil'eva GI. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Dec;(12):98–104 (50 ref.) **(Rus)**

MICROBIOLOGY

[The role of bacteriophages in the self-regulating system of a plague enzootic] Pak Glu, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Sep;(9):97–100 (10 ref.) **(Rus)**

PLAICE see **FLATFISHES**

PLANNED PARENTHOOD see **FAMILY PLANNING**

PLANT AGGLUTININS see **LECTINS**

PLANT DISEASES

Satellite RNA for the biocontrol of plant disease. Tien P, et al. **Adv Virus Res** 1991;39:321–39 (40 ref.)
Gene-for-gene complementarity in plant-pathogen interactions. Keen NT. **Annu Rev Genet** 1990;24:447–63 (61 ref.)
Genetic engineering of plants for virus resistance. Gadani F, et al. **Arch Virol** 1990;115(1–2):1–21 (143 ref.)
Fiji and pseudo-Fiji diseases of sugar-cane. Paclt J. **Microbiol Sci** 1986 Apr;3(4):126–7 (33 ref.)
The development of infection structures by the rusts and other fungi. Staples RC. **Microbiol Sci** 1985 Jul;2(7):193–4, 197–8 (33 ref.)
Agrobacterium in plant disease, biological disease control and plant genetic engineering. Clare BG. **Sci Prog** 1990; 74(293 Pt 1):1–13 (23 ref.)

PLANT EXTRACTS

Long-latency neurodegenerative disease in the western Pacific. Spencer PS, et al. **Geriatrics** 1991 Aug;46 Suppl 1:37–42 (63 ref.)
Botanical derivatives in mosquito control: a review. Sukumar K, et al. **J Am Mosq Control Assoc** 1991 Jun;7(2):210–37 (131 ref.)
Slow toxins, biologic markers, and long-latency neurodegenerative disease in the western Pacific region. Spencer PS, et al. **Neurology** 1991 May;41(5 Suppl 2):62–6; discussion 66–8 (63 ref.)

ADVERSE EFFECTS

[Hemolytic anemia induced by Chelidonium majus. Clinical case] Pinto García V, et al. **Sangre (Barc)** 1990 Oct; 35(5):401–3 (6 ref.) (Eng. Abstr.) **(Spa)**

PHARMACOLOGY

From ginkgolides to N-substituted piperidino-thieno diazepines, a new series of highly potent dual antagonists. Braquet P, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:929–37 (19 ref.)
Antitumor, antiviral and immunopotentiating activities of pine cone extracts: potential medicinal efficacy of natural and synthetic lignin-related materials (review). Sakagami H, et al. **Anticancer Res** 1991 Mar–Apr;11(2):881–8 (58 ref.)
Recent progress in ginkgolide research. Braquet P, et al. **Med Res Rev** 1991 May;11(3):295–355 (292 ref.)
Pharmacological properties of the stimulant khat. Kalix P. **Pharmacol Ther** 1990;48(3):397–416 (215 ref.)

PHYSIOLOGY

Phytoalexins as part of induced defence reactions in plants: their elicitation, function and metabolism. Barz W, et al. **Ciba Found Symp** 1990;154:140–53; discussion 153–6 (31 ref.)

THERAPEUTIC USE

The medicinal flora of Native North America: an analysis. Moerman DE. **J Ethnopharmacol** 1991 Jan;31(1):1–42 (63 ref.)
[Garlic as phytogenic antilipemic agent. Recent studies with a standardized dry garlic powder substance] Brosche T, et al. **Fortschr Med** 1990 Dec 20;108(36):703–6 (0 ref.) (Eng. Abstr.) **(Ger)**

TOXICITY

Cellular responses to oxidative stress: the [Ah] gene battery as a paradigm. Nebert DW, et al. **Environ Health Perspect** 1990 Aug;88:13–25 (60 ref.)

PLANT EXTRACTS, CHINESE see **DRUGS, CHINESE HERBAL**

PLANT GROWTH REGULATORS

PHYSIOLOGY

Hormonal modulation of plant growth: the role of auxin perception. Palme K, et al. **Mech Dev** 1991 Feb; 33(2):97–106 (88 ref.)

PLANT HORMONES see **PLANT GROWTH REGULATORS**

PLANT LICE see **APHIDS**

PLANT OILS

Introduction: nutritional aspects of palm oil. Cottrell RC. **Am J Clin Nutr** 1991 Apr;53(4 Suppl):989S–1009S (139 ref.)

ANALYSIS

Subcellular distribution of enzymes of mono- and sesquiterpene biosynthesis in plant tissues. Pérez LM. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):51–8 (73 ref.)

THERAPEUTIC USE

Botanical lipids: potential role in modulation of immunologic responses and inflammatory reactions. Callegari PE, et al. **Rheum Dis Clin North Am** 1991 May;17(2):415–25 (58 ref.)

PLANT PHOTOSYNTHETIC PROTEIN COMPLEXES see **PHOTOSYNTHETIC REACTION CENTER, PLANT**

PLANT PHOTOSYNTHETIC REACTION CENTER see **PHOTOSYNTHETIC REACTION CENTER, PLANT**

PLANT POISONING

Perspectives on human health concerns arising from natural toxicants in feeds and poisonous plants. Cheeke PR. **Vet Hum Toxicol** 1990;32 Suppl:71–5 (27 ref.)

ETIOLOGY

Castor bean intoxication. Challoner KR, et al. **Ann Emerg Med** 1990 Oct;19(10):1177–83 (35 ref.)

Why these toxins and why now? Hall JO, et al. **Vet Hum Toxicol** 1990;32 Suppl:2–5 (46 ref.)

[Fatal poisoning caused by aconite monk's hood (Aconitum napellus)] Feldkamp A, et al. **Monatsschr Kinderheilkd** 1991 Jun;139(6):366–7 (13 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Is bracken a health hazard? [see comments] Trotter WR. **Lancet** 1990 Dec 22–29;336(8730):1563–5 (20 ref.) Comment in: Lancet 1991 Feb 23;337(8739):493.

VETERINARY

Permanent infertility in ewes exposed to plant oestrogens. Adams NR. **Aust Vet J** 1990 Jun;67(6):197–201 (39 ref.)

Dealing with plant poisoning of livestock: the challenge in Queensland. McKenzie RA. **Aust Vet J** 1991 Feb;68(2):41–4 (42 ref.)

PLANT PROTEINS

ADMINISTRATION & DOSAGE

Immunotoxins. Press OW. **Biotherapy** 1991;3(1):65–76 (58 ref.)

CHEMISTRY

Recent investigations into the lipoxygenase pathway of plants. Gardner HW. **Biochim Biophys Acta** 1991 Jul 30; 1084(3):221–39 (175 ref.)

Narbonin, a 2 S globulin from Vicia narbonensis L. Crystallization and preliminary crystallographic data. Hennig M, et al. **J Mol Biol** 1990 Oct 5;215(3):339–40 (3 ref.)

GENETICS

Chimeric genes and transgenic plants are used to study the regulation of genes involved in symbiotic plant–microbe interactions (nodulin genes). de Bruijn FJ, et al. **Dev Genet** 1990;11(3):182–96 (101 ref.)

Regulation of nuclear genes encoding chloroplast proteins in transgenic plants. Fluhr R. **Dev Genet** 1990;11(3):197–204 (53 ref.)

METABOLISM

Regulation of synthesis and transport of secreted proteins in cereal aleurone. Jones RL, et al. **Int Rev Cytol** 1991; 126:49–88 (182 ref.)

Current views on chloroplast protein import and hypotheses on the origin of the transport mechanism. Archer EK, et al. **J Bioenerg Biomembr** 1990 Dec;22(6):789–810 (89 ref.)

On the translocation of proteins across the chloroplast envelope. Flügge UI. **J Bioenerg Biomembr** 1990 Dec; 22(6):769–87 (73 ref.)

NADH oxidase of plasma membranes. Morré DJ, et al. **J Bioenerg Biomembr** 1991 Jun;23(3):469–89 (67 ref.)

Generation of superoxide anion and hydrogen peroxide at the surface of plant cells. Vianello A, et al. **J Bioenerg Biomembr** 1991 Jun;23(3):409–23 (116 ref.)

Regulatory phosphorylation of chloroplast antenna proteins. Knaff DB. **Trends Biochem Sci** 1991 Mar;16(3):82–3 (26 ref.)

From auxin-binding protein to plant hormone receptor? Napier RM, et al. **Trends Biochem Sci** 1991 Feb;16(2):72–5 (29 ref.)

THERAPEUTIC USE

[The effect of soybean protein on lipids and trace elements in elderly hospitalized women] Regöly-Mérei A, et al. **Orv Hetil** 1991 Jul 14;132(28):1523–6 (33 ref.) (Eng. Abstr.) **(Hun)**

TOXICITY

Plant toxins. Lord JM, et al. **Microbiol Sci** 1987 Dec; 4(12):376–8 (21 ref.)

PLANT STRUCTURAL GENES see **GENES, STRUCTURAL, PLANT**

PLANT TUMORS

Agrocins and the biological control of crown gall. Kerr A, et al. **Microbiol Sci** 1984 Apr;1(1):1–4 (23 ref.)

PLANT VIRUSES

Fiji and pseudo-Fiji diseases of sugar-cane. Paclt J. **Microbiol Sci** 1986 Apr;3(4):126–7 (33 ref.)

CLASSIFICATION

Virus species, a much overlooked but essential concept in virus classification. Van Regenmortel MH. **Intervirology** 1990;31(5):241–54 (59 ref.)

Current problems in the taxonomy of luteoviruses. D'Arcy CJ. **Microbiol Sci** 1986 Oct;3(10):309–13 (31 ref.)

The species problem in plant virology. Milne RG. **Microbiol Sci** 1984 Aug;1(5):113–7 (23 ref.)

[Names of plant viruses in Japanese terminology] **Uirusu** 1990 Jun;40(1):1–7 (0 ref.) **(Jpn)**

GENETICS

Expression of a plant virus-coded transport function by different viral genomes. Atabekov JG, et al. **Adv Virus Res** 1990;38:201–48 (218 ref.)

Genetic engineering of plants for virus resistance. Gadani F, et al. **Arch Virol** 1990;115(1–2):1–21 (143 ref.)

Strategies for expression of foreign genes in plants. Potential use of engineered viruses. Joshi RL, et al. **FEBS Lett** 1991 Apr 9;281(1–2):1–8 (126 ref.)

Geminivirus genomes. Davies JW. **Microbiol Sci** 1987 Jan; 4(1):18–23 (20 ref.)

Genome similarities between plant and animal RNA viruses. Goldbach R. **Microbiol Sci** 1987 Jul;4(7):197–202 (23 ref.)

The replication of plant virus RNA. van Kammen A. **Microbiol Sci** 1985 Jun;2(6):170–4 (24 ref.)

Engineering virus resistance in agricultural crops. van den Elzen PJ, et al. **Plant Mol Biol** 1989 Sep;13(3):337–46 (43 ref.)

[The molecular biology of the potato X viruses] Grama DP, et al. **Mikrobiol Zh** 1991 Jan–Feb;53(1):99–107 (60 ref.) **(Rus)**

IMMUNOLOGY

Monoclonal antibodies in plant virology. Van Regenmortel MH. **Microbiol Sci** 1984 Jun;1(3):73–8 (37 ref.)

ISOLATION & PURIFICATION

The involvement of a helper component in nonpersistent transmission of plant viruses by aphids. Pirone TP, et al. **Microbiol Sci** 1984 Nov;1(8):191–3 (18 ref.)

PHYSIOLOGY

The synthesis and structure of comovirus capsids. Lomonossoff GP, et al. **Prog Biophys Mol Biol** 1991; 55(2):107–37 (130 ref.)

PLANTS

Botanical derivatives in mosquito control: a review. Sukumar K, et al. **J Am Mosq Control Assoc** 1991 Jun;7(2):210–37 (131 ref.)

Erythrina and related alkaloids. Chawla AS, et al. **Nat Prod Rep** 1990 Dec;7(6):565–75 (36 ref.)

Diet selection by grazing animals. Milne JA. **Proc Nutr Soc** 1991 Mar;50(1):77–85 (29 ref.)

Diet selection—an ecological perspective. Moss R. **Proc Nutr Soc** 1991 Mar;50(1):71–5 (16 ref.)

Acute toxicology of components of vegetation smoke. Dost FN. **Rev Environ Contam Toxicol** 1991;119:1–46 (122 ref.)

[Eczema caused by contact with sesquiterpene lactones of plants] Sourisse M, et al. **Ann Dermatol Venereol** 1990; 117(9):651–6 (24 ref.) **(Fre)**

ANALYSIS

Synthesis of antifeedants for insects: novel behaviour-modifying chemicals from plants. Ley SV. **Ciba Found Symp** 1990;154:80–7; discussion 87–98 (20 ref.)

Cytochemical localization of beta-(1——4)-D-glucans in plant and fungal cells using an exoglucanase-gold complex. Benhamou N. **Electron Microsc Rev** 1989;2(1):123–38 (78 ref.)

Narbonin, a 2 S globulin from Vicia narbonensis L. Crystallization and preliminary crystallographic data. Hennig M, et al. **J Mol Biol** 1990 Oct 5;215(3):339–40 (3 ref.)

Bioactive compounds from aquatic and terrestrial sources. Rinehart KL, et al. **J Nat Prod** 1990 Jul–Aug;53(4):771–92 (66 ref.)

Amaryllidaceae alkaloids. Lewis JR. **Nat Prod Rep** 1990 Dec; 7(6):549–56 (32 ref.)

CYTOLOGY

Transdifferentiation of quiescent parenchymatous cells into tracheary elements. Sugiyama M, et al. **Cell Differ Dev** 1990 Aug;31(2):77–87 (98 ref.)

An economic and technical assessment of the use of plant cell cultures for natural product synthesis on an industrial scale. Fowler MW, et al. **Ciba Found Symp** 1990; 154:157–70; discussion 170–4 (24 ref.)

Spatial aspects of cytokinesis in plant cells. Wick SM. **Curr Opin Cell Biol** 1991 Apr;3(2):253–60 (35 ref.)

DRUG EFFECTS

Effects of agricultural pesticides on humans, animals, and higher plants in developing countries. Igbedioh SO. **Arch Environ Health** 1991 Jul–Aug;46(4):218–24 (52 ref.)

Rhythmic responses to hormones and herbicides in plants. Rikin A, et al. **Prog Clin Biol Res** 1990;341B:895–903 (21 ref.)

ENZYMOLOGY

Chaperone function: the assembly of ribulose bisphosphate carboxylase-oxygenase. Gatenby AA, et al. **Annu Rev Cell Biol** 1990;6:125–49 (89 ref.)

Subcellular distribution of enzymes of mono- and sesquiterpene biosynthesis in plant tissues. Pérez LM. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):51–8 (73 ref.)

Recent investigations into the lipoxygenase pathway of plants. Gardner HW. **Biochim Biophys Acta** 1991 Jul 30; 1084(3):221–39 (175 ref.)

Transcriptional control of alcohol dehydrogenase genes in plants. DeLisle AJ, et al. **Int Rev Cytol** 1990;123:39–60 (48 ref.)

GENETICS

Activation, structure, and organization of genes involved in microbial defense in plants. Dixon RA, et al. **Adv Genet** 1990;28:165–234 (410 ref.)

Response of plant antioxidant defense genes to environmental stress. Scandalios JG. **Adv Genet** 1990;28:1–41 (136 ref.)

Cell-specific gene expression in plants. Edwards JW, et al. **Annu Rev Genet** 1990;24:275–303 (218 ref.)

Gene-for-gene complementarity in plant-pathogen interactions. Keen NT. **Annu Rev Genet** 1990;24:447–63 (61 ref.)

Genetic engineering of plants for virus resistance. Gadani F, et al. **Arch Virol** 1990;115(1–2):1–21 (143 ref.)

Transcriptional regulation of the heat-shock response: a plant perspective. Gurley WB, et al. **Biochemistry** 1991 Jan 8; 30(1):1–12 (112 ref.)

The regulation and nature of the cyanide-resistant alternative oxidase of plant mitochondria. Moore AL, et al. **Biochim Biophys Acta** 1991 Aug 23;1059(2):121–40 (182 ref.)

The genetics of plant lipids. Ohlrogge JB, et al. **Biochim Biophys Acta** 1991 Feb 26;1082(1):1–26 (190 ref.)

Positional cues and differential gene expression in somatic embryos of higher plants. Racusen RH, et al. **Cell Differ Dev** 1990 Jun;30(3):159–69 (79 ref.)

Opportunities for bioactive compounds in transgenic plants. Hall TC, et al. **Ciba Found Symp** 1990;154:177–94; discussion 194–7 (86 ref.)

Gene transfer methods for plants and cell cultures. Potrykus I. **Ciba Found Symp** 1990;154:198–208; discussion 208–12 (33 ref.)

Chimeric genes and transgenic plants are used to study the regulation of genes involved in symbiotic plant–microbe interactions (nodulin genes). de Bruijn FJ, et al. **Dev Genet** 1990;11(3):182–96 (101 ref.)

Regulation of nuclear genes encoding chloroplast proteins in transgenic plants. Fluhr R. **Dev Genet** 1990;11(3):197–204 (53 ref.)

Techniques in plant molecular biology—progress and problems. Walden R, et al. **Eur J Biochem** 1990 Sep 24; 192(3):563–76 (181 ref.)

Strategies for expression of foreign genes in plants. Potential use of engineered viruses. Joshi RL, et al. **FEBS Lett** 1991 Apr 9;281(1–2):1–8 (126 ref.)

Tomato paste: a concentrated review of genetic highlights from the beginnings to the advent of molecular genetics. Rick CM. **Genetics** 1991 May;128(1):1–5 (23 ref.)

On the evolution of genetic incompatibility systems. VI. A three-locus modifier model for the origin of gametophytic self-incompatibility. Uyenoyama MK. **Genetics** 1991 Jun; 128(2):453–69 (63 ref.)

Transcriptional control of alcohol dehydrogenase genes in plants. DeLisle AJ, et al. **Int Rev Cytol** 1990;123:39–60 (48 ref.)

Divergence and differential expression of actin gene families in higher plants. Meagher RB. **Int Rev Cytol** 1991; 125:139–63 (95 ref.)

Mechanisms of maternal inheritance of chloroplast DNA: an active digestion hypothesis. Kuroiwa T. **Microbiol Sci** 1985 Sep;2(9):267–70 (25 ref.)

Agrobacterium rhizogenes as a vector for transforming higher plants. Tepfer M, et al. **Microbiol Sci** 1987 Jan; 4(1):24–8 (19 ref.)

An unstable domain in the vicilin genes of higher plants. Dure L 3d. **New Biol** 1990 May;2(5):487–93 (20 ref.)

B-chromosomes: germ-line parasites which induced changes in host recombination. Bell G, et al. **Parasitology** 1990;100 Suppl:S19–26 (64 ref.)

Direct DNA transfer to plant cells. Davey MR, et al. **Plant Mol Biol** 1989 Sep;13(3):273–85 (98 ref.)

Regulation of plant genes specifically induced in nitrogen-fixing nodules: role of cis-acting elements and trans-acting factors in leghemoglobin gene expression. de Bruijn FJ, et al. **Plant Mol Biol** 1989 Sep;13(3):319–25 (25 ref.)

The En/Spm transposable element of Zea mays. Gierl A, et al. **Plant Mol Biol** 1989 Sep;13(3):261–6 (32 ref.)

The use of transgenic plants to understand transposition mechanisms and to develop transposon tagging strategies. Haring MA, et al. **Plant Mol Biol** 1991 Mar;16(3):449–61 (66 ref.)

Transformation of plant cells via Agrobacterium. Hooykaas PJ. **Plant Mol Biol** 1989 Sep;13(3):327–36 (97 ref.)

Genetic manipulation of floral pigmentation genes. Mol JN, et al. **Plant Mol Biol** 1989 Sep;13(3):287–94 (22 ref.)

Control and manipulation of gene expression during tomato fruit ripening. Schuch W, et al. **Plant Mol Biol** 1989 Sep; 13(3):303–11 (61 ref.)
Perspectives for the genetic engineering of plants for agriculture, horticulture and industry. von Wettstein D. **Plant Mol Biol** 1989 Sep;13(3):313–7 (15 ref.)
Nuclear architecture in plants. Heslop-Harrison JS, et al. **Trends Genet** 1990 Dec;6(12):401–5 (34 ref.)
RNA editing fixes problems in plant mitochondrial transcripts. Walbot V. **Trends Genet** 1991 Feb;7(2):37–9 (11 ref.)
Toward an understanding of plant gene regulation: the action of nuclear factors. Weising K, et al. **Z Naturforsch [C]** 1991 Jan–Feb;46(1–2):1–11 (131 ref.)
[Contribution by discussion on the release of transgenic organisms. I. Genetic aspects] Wöhrmann K. **Naturwissenschaften** 1991 Apr;78(4):154–7 (23 ref.) (Eng. Abstr.) **(Ger)**
[Transcriptional regulation of plant genes by light] Shinozaki K. **Tanpakushitsu Kakusan Koso** 1991 Feb;36(2):115–27 (47 ref.) **(Jpn)**
[Antisense RNA in transgenic plants] Gartel' AL. **Mol Gen Mikrobiol Virusol** 1990 Aug;(8):29–32 (15 ref.) (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

The possible role of redox-associated protons in growth of plant cells. Barr R. **J Bioenerg Biomembr** 1991 Jun; 23(3):443–67 (113 ref.)
Hormonal modulation of plant growth: the role of auxin perception. Palme K, et al. **Mech Dev** 1991 Feb; 33(2):97–106 (88 ref.)
Growth rhythms in higher plants. Millet B, et al. **Prog Clin Biol Res** 1990;341B:835–51 (74 ref.)
Spatial regulation of photosynthetic development in C4 plants. Langdale JA, et al. **Trends Genet** 1991 Jun; 7(6):191–6 (39 ref.)

IMMUNOLOGY

Compounds from plants that regulate or participate in disease resistance. Kuć J. **Ciba Found Symp** 1990;154:213–24; discussion 224–8 (25 ref.)

METABOLISM

A guide to electron paramagnetic resonance spectroscopy of Photosystem II membranes. Miller AF, et al. **Biochim Biophys Acta** 1991 Jan 3;1056(1):1–18 (150 ref.)
Phytoalexins as part of induced defence reactions in plants: their elicitation, function and metabolism. Barz W, et al. **Ciba Found Symp** 1990;154:140–53; discussion 153–6 (31 ref.)
Endomembrane traffic and targeting in plant cells. Bowles DJ. **Curr Opin Cell Biol** 1990 Aug;2(4):673–80 (26 ref.)
A view about the function of auxin-binding proteins at plasma membranes. Klämbt D. **Plant Mol Biol** 1990 Jun; 14(6):1045–50 (41 ref.)
Phosphatidyl inositol metabolism and its role in signal transduction in growing plants. Lehle L. **Plant Mol Biol** 1990 Oct;15(4):647–58 (110 ref.)
Use of roots transformed by Agrobacterium rhizogenes in rhizosphere research: applications in studies of cadmium assimilation from sewage sludges. Tepfer D, et al. **Plant Mol Biol** 1989 Sep;13(3):295–302 (59 ref.)
Recent developments in the biosynthesis of the tropane alkaloids. Leete E. **Planta Med** 1990 Aug;56(4):339–52 (102 ref.)
Oscillations in plant metabolism. Henson CA, et al. **Prog Clin Biol Res** 1990;341B:821–34 (53 ref.)
Intracellular transfer of phospholipids, galactolipids, and fatty acids in plant cells. Kader JC. **Subcell Biochem** 1990; 16:69–111 (77 ref.)
From auxin-binding protein to plant hormone receptor? Napier RM, et al. **Trends Biochem Sci** 1991 Feb;16(2):72–5 (29 ref.)
[Molecular organization of photosystem I reaction center] Takabe T. **Tanpakushitsu Kakusan Koso** 1991 Jun; 36(8):1521–31 (44 ref.) **(Jpn)**

MICROBIOLOGY

Regulation of tobamovirus gene expression. Dawson WO, et al. **Adv Virus Res** 1990;38:307–42 (153 ref.)
Structural and functional properties of plant reovirus genomes. Nuss DL, et al. **Adv Virus Res** 1990;38:249–306 (120 ref.)
Molecular biology of bacterial plant pathogens. Daniels MJ. **Microbiol Sci** 1984 May;1(2):33–6 (23 ref.)
Carbohydrate metabolism in biotrophic plant pathogens. Farrar JF. **Microbiol Sci** 1985 Oct;2(10):314–7 (21 ref.)
The development of infection structures by the rusts and other fungi. Staples RC. **Microbiol Sci** 1985 Jul;2(7):193–4, 197–8 (33 ref.)
Engineering virus resistance in agricultural crops. van den Elzen PJ, et al. **Plant Mol Biol** 1989 Sep;13(3):337–46 (43 ref.)

PHYSIOLOGY

Plagiarizing plants: amino sugars as a class of glycosidase inhibitors. Fleet GW, et al. **Ciba Found Symp** 1990; 154:112–22; discussion 122–5 (31 ref.)
Structures at the plant cell surface. Roberts K. **Curr Opin Cell Biol** 1990 Oct;2(5):920–8 (17 ref.)
The plant cytoskeleton. Staiger CJ, et al. **Curr Opin Cell Biol** 1991 Feb;3(1):33–42 (47 ref.)
Molecular aspects of plastid envelope biochemistry. Joyard J, et al. **Eur J Biochem** 1991 Aug 1;199(3):489–509 (268 ref.)
Transplasma membrane electron transport in plants. Misra PC. **J Bioenerg Biomembr** 1991 Jun;23(3):425–41 (111 ref.)
The role of plasma membrane redox activity in light effects in plants. Rubinstein B, et al. **J Bioenerg Biomembr** 1991 Jun;23(3):393–408 (87 ref.)
Molecular approaches to understanding auxin action. Hagen G. **New Biol** 1989 Oct;1(1):19–23 (39 ref.)
How plants respond to stimuli. The Ninth Annual Symposium on Current Topics in Plant Biochemistry and Physiology sponsored by the University of Missouri Interdisciplinary Program in Plant Biochemistry and Physiology, the US Department of Agriculture, and the National Science Foundation, Columbia, MO, USA, April 4–7, 1990. Roberts DM, et al. **New Biol** 1990 Aug; 2(8):678–83 (0 ref.)
Modified behavior oscillations in diseased plants and its implication to epidemiology and crop loss assessment. Kennedy BW, et al. **Prog Clin Biol Res** 1990;341B:867–81 (33 ref.)
Self-incompatibility: a self-recognition system in plants. Haring V, et al. **Science** 1990 Nov 16;250(4983):937–41 (43 ref.)

ULTRASTRUCTURE

Biochemistry and function of the plastid envelope. Douce R, et al. **Annu Rev Cell Biol** 1990;6:173–216 (225 ref.)
Comparisons of Golgi structure and dynamics in plant and animal cells. Griffing LR. **J Electron Microsc Tech** 1991 Feb;17(2):179–99 (222 ref.)

PLANTS, EDIBLE

Naturally occurring toxicants in foods. Mickelsen O, et al. **Fed Proc** 1966 Jan–Feb;25(1):104–23 (240 ref.)
Mate. **IARC Monogr Eval Carcinog Risks Hum** 1991; 51:273–87 (21 ref.)

ANALYSIS

Beyond dietary fiber. Spiller GA. **Am J Clin Nutr** 1991 Oct; 54(4):615–7 (13 ref.)

PLANTS, MEDICINAL

see related
ALKALOIDS
MEDICINE, HERBAL

Epstein-Barr virus, Burkitt's lymphoma, and an African tumor promoter. Osato T, et al. **Adv Exp Med Biol** 1990; 278:147–50 (18 ref.)
Toxicity of comfrey. Winship KA. **Adverse Drug React Toxicol Rev** 1991 Spring;10(1):47–59 (57 ref.)
Ethnobotany and the identification of therapeutic agents from the rainforest. Balick MJ. **Ciba Found Symp** 1990;154:22–31; discussion 32–9 (12 ref.)
One man's poison, another man's medicine? Bisset NG. **J Ethnopharmacol** 1991 Apr;32(1–3):71–81 (61 ref.)
Is there any danger in using traditional remedies? De Smet PA. **J Ethnopharmacol** 1991 Apr;32(1–3):43–50 (45 ref.)
Selection of traditional medicines for study. Duñg NX, et al. **J Ethnopharmacol** 1991 Apr;32(1–3):57–70 (15 ref.)
Sociopolitical, economical and ethical issues in medicinal plant research. Elisabetsky E. **J Ethnopharmacol** 1991 Apr; 32(1–3):235–9 (23 ref.)
Medicinal plants of Seberida (Riau Province, Sumatra, Indonesia). Mahyar UW, et al. **J Ethnopharmacol** 1991 Feb; 31(2):217–37 (45 ref.)
Plants in the traditional medicine of the Ubaye Valley. Novaretti R, et al. **J Ethnopharmacol** 1990 Aug;30(1):1–34 (24 ref.)
Ethnobotanical review of medicinal plants from Thai traditional books, Part II: Plants with antidiarrheal, laxative and carminative properties. Panthong A, et al. **J Ethnopharmacol** 1991 Feb;31(2):121–56 (40 ref.)
Records of usage or assays in Phyllanthus (Euphorbiaceae). I. Subgenera Isocladus, Kirganelia, Cicca and Emblica. Unander DW, et al. **J Ethnopharmacol** 1990 Oct; 30(3):233–64 (163 ref.)
Pharmacology of Curcuma longa. Ammon HP, et al. **Planta Med** 1991 Feb;57(1):1–7 (59 ref.)
Medicinal plant biotechnology. Constabel F. **Planta Med** 1990 Oct;56(5):421–5 (67 ref.)
Plant molluscicides: potential of Aridan, Tetrapleura tetraptera, for schistosomiasis control in Nigeria. Adewunmi CO. **Sci Total Environ** 1991 Feb;102:21–33 (60 ref.)
Medicinal plants in tropical medicine. 1. Medicinal plants against protozoal diseases. Phillipson JD, et al. **Trans R Soc Trop Med Hyg** 1991 Jan–Feb;85(1):18–21 (21 ref.)
[Probe into the rational development and utilization of the genuine crude drugs in Sichuan] Wan B. **Chung Kuo Chung Yao Tsa Chih** 1990 Aug;15(8):450–3, 510 (14 ref.) (Eng. Abstr.) **(Chi)**
[The general mechanism of body adaptation under the influence of polyphenol adaptogens] Lupandin AV. **Usp Fiziol Nauk** 1991 Jan–Feb;22(1):20–39 (142 ref.) **(Rus)**
[The pharmacodynamics of hepatic protectors from the lady's-thistle (Silybum marianum)] Rumiantseva ZhN. **Vrach Delo** 1991 May;(5):15–9 (40 ref.) **(Rus)**
[Hemolytic anemia induced by Chelidonium majus. Clinical case] Pinto García V, et al. **Sangre (Barc)** 1990 Oct; 35(5):401–3 (6 ref.) (Eng. Abstr.) **(Spa)**

ANALYSIS

Ethnopharmacology and the search for new drugs. Cox PA. **Ciba Found Symp** 1990;154:40–7; discussion 47–55 (8 ref.)
The role of ethnopharmacology in drug development. Farnsworth NR. **Ciba Found Symp** 1990;154:2–11; discussion 11–21 (14 ref.)
Plants used in traditional medicine in eastern Tanzania. IV. Angiosperms (Mimosaceae to Papilionaceae). Chhabra SC, et al. **J Ethnopharmacol** 1990 Jul;29(3):295–323 (245 ref.)
Natural products as probes for new drug target identification. Evans FJ. **J Ethnopharmacol** 1991 Apr;32(1–3):91–101 (21 ref.)
The pharmacology of psychoactive alkaloids from ephedra and catha. Kalix P. **J Ethnopharmacol** 1991 Apr; 32(1–3):201–8 (55 ref.)
How far can one go in the field of structural elucidation of natural products? Massiot G. **J Ethnopharmacol** 1991 Apr;32(1–3):103–10 (10 ref.)
Mucilaginous plants and their uses in medicine. Morton JF. **J Ethnopharmacol** 1990 Jul;29(3):245–66 (92 ref.)
Can ethnopharmacology contribute to the development of anti-fertility drugs? Pei-Gen X, et al. **J Ethnopharmacol** 1991 Apr;32(1–3):167–77 (30 ref.)
Looking for new drugs: what criteria? Sévenet T. **J Ethnopharmacol** 1991 Apr;32(1–3):83–90 (25 ref.)
Analytical aspects of drugs of natural origin. Hamburger M, et al. **J Pharm Biomed Anal** 1989;7(12):1337–49 (30 ref.)
Artemisia annua L.: a source of novel antimalarial drugs. Woerdenbag HJ, et al. **Pharm Weekbl [Sci]** 1990 Oct 19; 12(5):169–81 (169 ref.)
Therapeutic potential of plant photosensitizers. Hudson JB, et al. **Pharmacol Ther** 1991;49(3):181–222 (228 ref.)
[A review of chemical studies on the plants of Trichosanthes] Chao Z. **Chung Kuo Chung Yao Tsa Chih** 1990 Dec; 15(12):753–5, 766 (29 ref.) (Eng. Abstr.) **(Chi)**
[Chemical constituents and biological activity of plants of the Taxus genus] Chen WM. **Yao Hsueh Hsueh Pao** 1990; 25(3):227–40 (68 ref.) **(Chi)**

CLASSIFICATION

The medicinal flora of Native North America: an analysis. Moerman DE. **J Ethnopharmacol** 1991 Jan;31(1):1–42 (63 ref.)

GROWTH & DEVELOPMENT

[Regeneration of bark of Chinese medicinal plants after large area girdling] Li L. **Chung Kuo Chung Yao Tsa Chih** 1990 Jul;15(7):387–9, 445 (27 ref.) (Eng. Abstr.) **(Chi)**

METABOLISM

Naturally occurring cyclohexene epoxides revisited. Mahidol C. **Ciba Found Symp** 1990;154:66–73; discussion 74–7 (15 ref.)

PLANTS, TOXIC

Toxicity of comfrey. Winship KA. **Adverse Drug React Toxicol Rev** 1991 Spring;10(1):47–59 (57 ref.)
Naturally occurring toxicants in foods. Mickelsen O, et al. **Fed Proc** 1966 Jan–Feb;25(1):104–23 (240 ref.)
One man's poison, another man's medicine? Bisset NG. **J Ethnopharmacol** 1991 Apr;32(1–3):71–81 (61 ref.)
Toxins of freshwater cyanobacteria. Codd GA. **Microbiol Sci** 1984 May;1(2):48–52 (40 ref.)
Plant toxins. Lord JM, et al. **Microbiol Sci** 1987 Dec; 4(12):376–8 (21 ref.)
Perspectives on human health concerns arising from natural toxicants in feeds and poisonous plants. Cheeke PR. **Vet Hum Toxicol** 1990;32 Suppl:71–5 (27 ref.)
The potential for the toxic principles of Astragalus and related plants to appear in meat and milk. James LF, et al. **Vet Hum Toxicol** 1990;32 Suppl:104–9 (47 ref.)

ANALYSIS

Spirosolane-containing Solanum species and induction of congenital craniofacial malformations. Keeler RF, et al. **Toxicon** 1990;28(8):873–84 (27 ref.)

METABOLISM

Role of secondary metabolites in chemical defence mechanisms in plants. Harborne JB. **Ciba Found Symp** 1990; 154:126–34; discussion 135–9 (19 ref.)

PLAQUE THERAPY, RADIOISOTOPE see **BRACHYTHERAPY**

PLASMA

Optimal use of blood components. Gravlee GP.

Int Anesthesiol Clin 1990 Fall;28(4):216–22 (37 ref.)

IMMUNOLOGY

[Anti-HVC antibodies and raw-material plasma: reflections and strategy] Avenard G, et al. **Rev Fr Transfus Hemobiol** 1990 Oct;33(5):351–4 (12 ref.) **(Fre)**

METABOLISM

Human plasma gelsolin binds adenosine triphosphate. Yamamoto H, et al. **J Biochem (Tokyo)** 1990 Oct; 108(4):505–6 (21 ref.)

PLASMA CELL ANTIGENS PC-1 see **ANTIGENS, DIFFERENTIATION, B-LYMPHOCYTE**

PLASMA CELL DYSCRASIAS see **PARAPROTEINEMIAS**

PLASMA CELL GRANULOMA see **GRANULOMA, PLASMA CELL**

PLASMA CELL LEUKEMIA see **LEUKEMIA, PLASMACYTIC**

PLASMA CELLS

Interleukin 6 (IL-6) and its receptor: their role in plasma cell neoplasias. Hirano T. **Int J Cell Cloning** 1991 May; 9(3):166–84 (132 ref.)

CYTOLOGY

Interleukin 6 and plasma cell neoplasias. Hirano T, et al. **Prog Growth Factor Res** 1989;1(3):133–42 (62 ref.)

IMMUNOLOGY

The human secretory immune system. Tischner H. **Z Erkr Atmungsorgane** 1991;176(2-3):91–7 (30 ref.)

[Distribution of lymphocyte subpopulations and plasma cells in the colonic mucosa of children with ulcerative colitis] Arató A, et al. **Orv Hetil** 1990 Sep 2;131(35):1913–8 (32 ref.) (Eng. Abstr.) **(Hun)**

PLASMA EXCHANGE

Plasma exchange in thrombotic thrombocytopenic purpura. Corvetta A, et al. **Curr Stud Hematol Blood Transfus** 1990; (57):114–30 (69 ref.)

Viscosity as the symptom leading to plasma exchange. Guillevin L, et al. **Curr Stud Hematol Blood Transfus** 1990; (57):220–38 (56 ref.)

The risk/benefit equation for therapeutic plasma exchange. Analysis of the rationale for and the safety aspects of therapeutic plasma exchange. Isbister JP. **Curr Stud Hematol Blood Transfus** 1990;(57):10–30 (13 ref.)

Plasma exchange in nephrological diseases. Mason PD, et al. **Curr Stud Hematol Blood Transfus** 1990;(57):152–66 (33 ref.)

Synergy between plasma exchange and intravenous immunoglobulin. Nydegger UE, et al. **Curr Stud Hematol Blood Transfus** 1990;(57):31–50 (91 ref.)

Plasma exchange in neurology. Uldry PA, et al. **Curr Stud Hematol Blood Transfus** 1990;(57):167–83 (57 ref.)

Plasma exchange in idiopathic thrombocytopenic purpura. Williams C, et al. **Curr Stud Hematol Blood Transfus** 1990; (57):131–51 (58 ref.)

[Guillain-Barré syndrome and plasma exchange] Raphael JC, et al. **Ann Med Interne (Paris)** 1990;141(7):593–6 (31 ref.) **(Fre)**

[Extraction of drugs in plasma exchange] Fauvelle F, et al. **Therapie** 1991 Mar-Apr;46(2):109–13 (77 ref.) (Eng. Abstr.) **(Fre)**

PLASMA MEMBRANE see **CELL MEMBRANE**

PLASMA PROKALLIKREIN see **PREKALLIKREIN**

PLASMA PROTEINS see **BLOOD PROTEINS**

PLASMA SUBSTITUTES

see related
BLOOD SUBSTITUTES

The role of colloids in blood conservation. Davies MJ. **Int Anesthesiol Clin** 1990 Fall;28(4):205–9 (23 ref.)

The use of fluorocarbon emulsions in cancer radiotherapy. Guichard M. **Radiother Oncol** 1991;20 Suppl 1:59–64 (27 ref.)

ADVERSE EFFECTS

Toxic effects of colloids in the intensive care unit. Nearman HS, et al. **Crit Care Clin** 1991 Jul;7(3):713–23 (26 ref.)

THERAPEUTIC USE

[Choice of vascular-loading solutions for treating hypovolemia in adults] Nicolas F. **Ann Med Interne (Paris)** 1990;141(7):588–92 (20 ref.) **(Fre)**

PLASMA THROMBOPLASTIN ANTECEDENT see **FACTOR XI**

PLASMA THROMBOPLASTIN COMPONENT see **FACTOR IX**

PLASMA TRANSGLUTAMINASE see **PROTEIN-GLUTAMINE GAMMA-GLUTAMYLTRANSFERASE**

PLASMA VOLUME

DRUG EFFECTS

Disturbances in volume regulating hormone system—a key to the pathogenesis of hypertension in obstructive sleep apnea syndrome? Ehlenz K, et al. **Pneumologie** 1991 May; 45 Suppl 1:239–45 (37 ref.)

[Endogenous natriuretic and ouabain-like factors. Their potential role in volume and blood pressure regulation] Kramer HJ, et al. **Klin Wochenschr** 1990 Nov 16; 68(22):1112–8 (47 ref.) (Eng. Abstr.) **(Ger)**

PLASMA VOLUME EXPANDERS see **PLASMA SUBSTITUTES**

PLASMACYTES see **PLASMA CELLS**

PLASMACYTIC LEUKEMIA see **LEUKEMIA, PLASMACYTIC**

PLASMACYTOMA

[Cutaneous plasmacytoma: review of the literature apropos of a case] Collet E, et al. **Rev Med Interne** 1991 May-Jun; 12(3):183–6 (22 ref.) (Eng. Abstr.) **(Fre)**

[Solitary plasmacytoma. A retrospective analysis of 15 cases] Avilés A, et al. **Rev Invest Clin** 1990 Oct-Dec;42(4):277–80 (10 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Superior vena cava syndrome caused by an intrathoracic plasmacytoma. Davis SR, et al. **Cancer** 1991 Sep 15; 68(6):1376–9 (19 ref.)

Crow-Fukase syndrome associated with extramedullary plasmacytoma. Shirabe S, et al. **Jpn J Med** 1991 Jan-Feb; 30(1):64–6 (11 ref.)

Evans' syndrome associated with gastric plasmacytoma: case report and a review of the literature. Yonekura S, et al. **Jpn J Med** 1990 Sep-Oct;29(5):512–5 (10 ref.)

[Peripheral neuropathy and plasmocytic proliferations. Apropos of 17 cases] Delauche-Cavallier MC, et al. **Ann Med Interne (Paris)** 1990;141(8):651–6 (40 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Extramedullary nasal plasmacytoma. Navarrete ML, et al. **J Laryngol Otol** 1991 Jan;105(1):41–3 (19 ref.)

[Solitary plasmacytoma simulating pituitary adenoma] Jacquet G, et al. **Neurochirurgie** 1991;37(1):67–71 (19 ref.) (Eng. Abstr.) **(Fre)**

[Solitary rhinosinusal plasmacytoma. A review of its diagnosis and treatment] Gallego de la Fuente MC, et al. **An Otorrinolaringol Ibero Am** 1990;17(6):591–8 (18 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Interleukin 6 (IL-6) and its receptor (IL-6R) in myeloma/plasmacytoma. Suematsu S, et al. **Curr Top Microbiol Immunol** 1990;166:13–22 (18 ref.)

Interleukin 6 (IL-6) and its receptor: their role in plasma cell neoplasias. Hirano T. **Int J Cell Cloning** 1991 May; 9(3):166–84 (132 ref.)

Interleukin 6 and plasma cell neoplasias. Hirano T, et al. **Prog Growth Factor Res** 1989;1(3):133–42 (62 ref.)

[Cutaneous manifestations in multiple myeloma] Collet E, et al. **Ann Dermatol Venereol** 1991;118(1):35–44 (165 ref.) **(Fre)**

GENETICS

Multiple phenotypic consequences of the Ig/Myc translocation in B-cell-derived tumors. Klein G. **Genes Chromosom Cancer** 1989 Sep;1(1):3–8 (37 ref.)

IMMUNOLOGY

[Plasmocytoma: immunology and molecular genetics] Michels M, et al. **Med Klin** 1990 Sep 15;85(9):548–54 (51 ref.) **(Ger)**

PATHOLOGY

Testicular plasmacytoma. A case report with immunohistochemical studies and literature review. Oppenheim PI, et al. **Arch Pathol Lab Med** 1991 Jun; 115(6):629–32 (27 ref.)

Clinicopathologic study of cutaneous plasmacytoma. Torne R, et al. **Int J Dermatol** 1990 Oct;29(8):562–6 (20 ref.)

Malignant lymphoma, pseudolymphoma, and hematopoietic disorders of the female genital tract. Ferry JA, et al. **Pathol Annu** 1991;26 Pt 1:227–63 (124 ref.)

Renal plasmacytoma: Mayo Clinic experience and review of the literature. Igel TC, et al. **Urology** 1991 Apr; 37(4):385–9 (13 ref.)

[Thyroid plasmacytoma with amyloid deposits. Report of a case and review of the literature] Levesque H, et al. **Rev Med Interne** 1989 Nov-Dec;10(6):553–6 (27 ref.) **(Fre)**

PLASMACYTOMA GROWTH FACTOR see **INTERLEUKIN-6**

PLASMAPHERESIS

Angiofollicular lymph node hyperplasia and peripheral neuropathy. Case report and literature review. Scherokman B, et al. **Arch Intern Med** 1991 Apr;151(4):789–90 (18 ref.)

LDL-apheresis: results of longterm treatment and vascular outcome. Keller C. **Atherosclerosis** 1991 Jan;86(1):1–8 (45 ref.)

Therapeutic plasmapheresis and protein A immunoadsorption in malignancy: a brief review. Nand S, et al. **J Clin Apheresis** 1990;5(4):206–12 (77 ref.)

Treatment of refractory aplastic anemia with plasmapheresis: report of a case in childhood with review of the literature. Austgulen R, et al. **Pediatr Hematol Oncol** 1990;7(3):285–96 (42 ref.)

Plasmapheresis therapy of pemphigus and bullous pemphigoid. Roujeau JC. **Semin Dermatol** 1988 Sep; 7(3):195–200 (68 ref.)

[Guillain-Barré syndrome and plasma exchange] Raphael JC, et al. **Ann Med Interne (Paris)** 1990;141(7):593–6 (31 ref.) **(Fre)**

[A case of chronic demyelinating polyneuropathy with benign IgM anti-myelin-associated glycoprotein paraproteinenia—transient improvement with weekly plasmapheresis] Muramoto T, et al. **Rinsho Shinkeigaku** 1991 Jan;31(1):38–43 (19 ref.) (Eng. Abstr.) **(Jpn)**

[Plasmapheresis as an optimal method to improve the outcome of surgical diseases] Genyk SN, et al. **Sov Med** 1990;(7):33–41 (60 ref.) **(Rus)**

PLASMIDS

The TOL plasmids: determinants of the catabolism of toluene and the xylenes. Assinder SJ, et al. **Adv Microb Physiol** 1990;31:1–69 (190 ref.)

Plasmid-encoded fosfomycin resistance. Suárez JE, et al. **Antimicrob Agents Chemother** 1991 May;35(5):791–5 (68 ref.)

High-expression of a target gene and high-stability of the plasmid. Kobayashi M, et al. **Appl Biochem Biotechnol** 1991 Feb;27(2):145–62 (116 ref.)

Control of plasmid replication—how do DNA iterons set the replication frequency? Nordström K. **Cell** 1990 Dec 21;63(6):1121–4 (21 ref.)

Biochemical characteristics and plasmids of clinical and environmental Plesiomonas shigelloides. Kelly MT, et al. **Experientia** 1991 May 15;47(5):439–41 (8 ref.)

Transport systems encoded by bacterial plasmids. Tisa LS, et al. **J Bioenerg Biomembr** 1990 Aug;22(4):493–507 (85 ref.)

TraT lipoprotein, a plasmid-specified mediator of interactions between gram-negative bacteria and their environment. Sukupolvi S, et al. **Microbiol Rev** 1990 Dec; 54(4):331–41 (105 ref.)

Methods for isolating large bacterial plasmids. Gowland PC, et al. **Microbiol Sci** 1986 Aug;3(8):252–4 (26 ref.)

Large plasmids in bacteria. Part 1. A survey of associated phenotypes. Hardman DJ, et al. **Microbiol Sci** 1985; 2(3):90–4 (42 ref.)

Large plasmids in bacteria. Part 2. Genetics and evolution. Hardman DJ, et al. **Microbiol Sci** 1985 Jun;2(6):184–90 (75 ref.)

Plasmid partitioning in Escherichia coli. Mann NH. **Microbiol Sci** 1985 Oct;2(10):299–302 (29 ref.)

Replication and maintenance of promiscuous plasmids of gram-negative bacteria. Pinkney M, et al. **Microbiol Sci** 1987 Jun;4(6):186–91 (40 ref.)

The replication of plasmid pSC101. Manen D, et al. **Mol Microbiol** 1991 Feb;5(2):233–7 (38 ref.)

Genetic and molecular basis of epithelial cell invasion by Shigella species. Sansonetti PJ. **Rev Infect Dis** 1991 Mar-Apr;13 Suppl 4:S285–92 (46 ref.)

GENETICS

Functions coded by plasmids in chemolithotrophic bacteria. Jagusztyn-Krynicka EK, et al. **Acta Microbiol Pol** 1990; 39(1-2):5–11 (55 ref.)

Physiological aspects of growth and recombinant DNA stability in Saccharomyces cerevisiae. Mason CA. **Antonie Van Leeuwenhoek** 1991 May;59(4):269–83 (68 ref.)

[Factors for activation of the replication origin of the E. coli chromosome] Asai T. **Idengaku Zasshi** 1991 Feb; 66(1):85–107 (46 ref.) **(Jpn)**

PHYSIOLOGY

Integration, amplification and stability of plasmid sequences in CHO cell cultures [see comments] Wurm FM. **Biologicals** 1990 Jul;18(3):159–64 (39 ref.) Comment in: Biologicals 1990 Oct;18(4):355.

[Functional properties of plasmids in lactic streptococci] Akçelik M. **Mikrobiyol Bul** 1990 Apr;24(2):164–76 (61 ref.) (Eng. Abstr.) **(Tur)**

PLASMIN see FIBRINOLYSIN

PLASMINOGEN

ANTAGONISTS & INHIBITORS

[Inhibition by ethanol and acetaldehyde the plasmin activity and plasminogen activation induced by urokinase and streptokinase] Roszkowska-Jakimiec W, et al. **Rocz Akad Med Bialymst** 1988-89;33-34:53-66 (14 ref.) (Eng. Abstr.) **(Pol)**

CLASSIFICATION

Classification of abnormal plasminogens: dysplasminogenemias. Robbins KC. **Semin Thromb Hemost** 1990 Jul;16(3):217-20 (21 ref.)

METABOLISM

The mechanisms of the activation of plasminogen by streptokinase and urokinase. Takada Y, et al. **Adv Exp Med Biol** 1990;281:223-34 (41 ref.)

The urokinase receptor and regulation of cell surface plasminogen activation. Blasi F, et al. **Cell Differ Dev** 1990 Dec 2;32(3):247-53 (46 ref.)

Plasminogen activation at the cell surface-matrix interface. Vaheri A, et al. **Cell Differ Dev** 1990 Dec 2;32(3):255-62 (39 ref.)

PHYSIOLOGY

The plasminogen-plasmin system. Henkin J, et al. **Prog Cardiovasc Dis** 1991 Sep-Oct;34(2):135-64 (308 ref.)

[Fast-acting plasminogen activator inhibitor in the plasma] Mirowski M, et al. **Postepy Hig Med Dosw** 1989; 43(2-4):237-54 (97 ref.) (Eng. Abstr.) **(Pol)**

PLASMINOGEN ACTIVATOR INHIBITORS see PLASMINOGEN INACTIVATORS

PLASMINOGEN ACTIVATOR, TISSUE-TYPE

BIOSYNTHESIS

Regulation of plasminogen activator production by endothelial cells: role in fibrinolysis and local proteolysis. van Hinsbergh VW, et al. **Int J Radiat Biol** 1991 Jul-Aug; 60(1-2):261-72 (83 ref.)

[Recombinant DNA technology in thrombolytic therapy: tissue-type plasminogen activator] Mazza P. **Boll Chim Farm** 1991 Mar;130(3):105-7 (5 ref.) **(Ita)**

METABOLISM

Tissue plasminogen activator in psoriasis. Jensen PJ, et al. **J Invest Dermatol** 1990 Nov;95(5):13S-14S (12 ref.)

PHARMACOLOGY

Recombinant t-PA and platelet activity. Becker RC. **Cleve Clin J Med** 1990 Sep;57(6):537-41 (29 ref.)

PHYSIOLOGY

Tissue activators of plasminogen. Astrup T. **Fed Proc** 1966 Jan-Feb;25(1):42-51 (93 ref.)

THERAPEUTIC USE

Clinical trials with alteplase (rt-PA) in acute myocardial infarction. de Bono DP. **Adv Exp Med Biol** 1990;281:377-82 (19 ref.)

Coronary artery thrombolysis: comparison of approved agents. Porter RS, et al. **Am Fam Physician** 1991 Aug; 44(2):591-8 (29 ref.)

Recombinant tissue-type plasminogen activator: current concepts and guidelines for clinical use in acute myocardial infarction. Part II. Becker RC, et al. **Am Heart J** 1991 Feb;121(2 (Pt 1)):627-40 (312 ref.)

Recombinant tissue-type plasminogen activator: current concepts and guidelines for clinical use in acute myocardial infarction. Part I. Becker RC, et al. **Am Heart J** 1991 Jan; 121(1 (Pt 1)):220-44 (127 ref.)

Tissue-plasminogen activator for pulmonary embolism resulting in shock: two case reports and discussion of the literature. Mitchell JP, et al. **Am J Med** 1991 Feb; 90(2):255-60 (55 ref.)

Streptokinase and recombinant tissue plasminogen activator (rt-PA) are equally effective in treating acute myocardial infarction. Sherry S, et al. **Ann Intern Med** 1991 Mar 1; 114(5):417-23 (92 ref.)

Thrombolytic therapy. Collen D, et al. **Ann N Y Acad Sci** 1991;614:259-69 (55 ref.)

Blood viscosity and platelet function in thrombolytic therapy of acute myocardial infarction. Hoffmann JJ. **Eur Heart J** 1990 Aug;11 Suppl F:29-35 (51 ref.)

Prothrombinex-induced thrombosis and its management with regional plasminogen activator in hepatic failure. Anderson BJ, et al. **Med J Aust** 1990 Sep 17;153(6):352, 355-6 (10 ref.)

Thrombolysis for pulmonary embolism. Goldhaber SZ. **Prog Cardiovasc Dis** 1991 Sep-Oct;34(2):113-34 (58 ref.)

PLASMINOGEN ACTIVATORS

Design of novel thrombolytic agents via domain modifications. Erickson LA, et al. **Toxicol Pathol** 1990;18(4 Pt 1):597-602 (52 ref.)

ADMINISTRATION & DOSAGE

[rt-PA versus streptokinase--Has the controversy regarding the optimal thrombolytic agent been resolved by results of the GISSI II/International rt-PA vs. Streptokinase fatality Study?] Gulba DC, et al. **Z Kardiol** 1991 Jan; 80(1):1-5 (35 ref.) **(Ger)**

CHEMISTRY

[Structure and characteristics of singer chain urokinase-type plasminogen activator] Shi W, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):314-7 (20 ref.) **(Chi)**

CLASSIFICATION

[New types of plasminogen activators] Pietrucha T, et al. **Postepy Biochem** 1990;36(3-4):33-40 (56 ref.) **(Pol)**

ISOLATION & PURIFICATION

Large-scale process purification of clinical product from animal cell cultures. Prior CP. **Biotechnology** 1991; 17:445-78 (48 ref.)

PHARMACOLOGY

Mechanism of action of the thrombolytic agents. Weitz JI. **Baillieres Clin Haematol** 1990 Jul;3(3):583-99 (129 ref.)

Modulation of the malignant phenotype with the urokinase-type plasminogen activator and the type I plasminogen activator inhibitor. Sordat B, et al. **Cell Differ Dev** 1990 Dec 2;32(3):277-85 (18 ref.)

PHYSIOLOGY

Platelet activation in the pathogenesis of unstable angina: importance in determining the response to plasminogen activators. Fitzgerald DJ. **Am J Cardiol** 1991 Sep 3; 68(7):51B-57B (49 ref.)

Plasminogen activators in endometrial physiology and embryo implantation: a review. Littlefield BA. **Ann N Y Acad Sci** 1991;622:167-75 (74 ref.)

The role of urokinase-type plasminogen activator in aggressive tumor cell behavior. Testa JE, et al. **Cancer Metastasis Rev** 1990 Dec;9(4):353-67 (111 ref.)

Urokinase-dependent cell surface proteolysis and cancer. Blasi F, et al. **Semin Cancer Biol** 1990 Apr;1(2):117-26 (35 ref.)

THERAPEUTIC USE

New horizons in the treatment of coronary artery thrombosis. Runge MS. **Am J Med Sci** 1991 Jan;301(1):21-7 (52 ref.)

Use of plasminogen activators in venous thrombosis. Hirsh J, et al. **World J Surg** 1990 Sep-Oct;14(5):688-93 (35 ref.)

[Plasminogen activators as thrombolytic agents in myocardial infarction] Chamone DA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1989 Nov-Dec; 44(6):288-94 (40 ref.) (Eng. Abstr.) **(Por)**

PLASMINOGEN INACTIVATORS

ANALYSIS

The fibrinolytic system of the vessel wall and its role in the control of thrombosis. Loskutoff DJ, et al. **Ann N Y Acad Sci** 1990;598:238-47 (97 ref.)

BLOOD

[Fast-acting plasminogen activator inhibitor in the plasma] Mirowski M, et al. **Postepy Hig Med Dosw** 1989; 43(2-4):237-54 (97 ref.) (Eng. Abstr.) **(Pol)**

METABOLISM

Interactions between type 1 plasminogen activator inhibitor, extracellular matrix and vitronectin. Seiffert D, et al. **Cell Differ Dev** 1990 Dec 2;32(3):287-92 (25 ref.)

PHARMACOLOGY

Modulation of the malignant phenotype with the urokinase-type plasminogen activator and the type I plasminogen activator inhibitor. Sordat B, et al. **Cell Differ Dev** 1990 Dec 2;32(3):277-85 (18 ref.)

[Type 1 plasminogen activator inhibitor: its role in biological reactions] Mimuro J. **Rinsho Ketsueki** 1991 May; 32(5):487-9 (10 ref.) (Eng. Abstr.) **(Jpn)**

PLASMODIUM

DRUG EFFECTS

Plasmodium: resistance to antimalarial drugs. Peters W. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:103-6 (8 ref.)

Chemotherapy and drug resistance in malaria. Cowman AF, et al. **Int J Parasitol** 1990 Jul;20(4):503-13 (98 ref.)

[A new approach to overcoming the drug resistance of the causative agents of malaria] Orlov VS, et al. **Med Parazitol (Mosk)** 1990 Sep-Oct;(5):18-21 (42 ref.) (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Proteases in malaria-infected red blood cells. Schrével J, et al. **Blood Cells** 1990;16(2-3):563-84; discussion 585-90 (113 ref.)

GENETICS

Proteins of unusual sequence composition from the malarial parasite Plasmodium falciparum. Ridley RG. **Biochem Soc Trans** 1991 Apr;19(2):525-8 (17 ref.)

GROWTH & DEVELOPMENT

On the use of mathematical models of malaria transmission. Koella JC. **Acta Trop (Basel)** 1991 Apr;49(1):1-25 (47 ref.)

Sexual differentiation in malaria parasites. Alano P, et al. **Annu Rev Microbiol** 1990;44:429-49 (106 ref.)

Some reflections concerning host erythrocyte-malarial parasite interrelationships. Ginsburg H. **Blood Cells** 1990; 16(2-3):225-35 (46 ref.)

The hypnozoite and malarial relapse. Krotoski WA. **Prog Clin Parasitol** 1989;1:1-19 (67 ref.)

IMMUNOLOGY

Genetic aspects of malaria parasite infection and the host immune response in relation to parasite evasion. Pereira da Silva L. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:15-7 (20 ref.)

Immune responses to sporozoite antigens and their relationship to naturally acquired immunity to malaria. Greenwood BM. **Bull World Health Organ** 1990;68 Suppl:184-90 (18 ref.)

Anti-sporozoite antibodies. Hollingdale MR. **Bull World Health Organ** 1990;68 Suppl:47-51 (42 ref.)

The circumsporozoite protein of Plasmodium: a mechanism of immune evasion by the malaria parasite? Schofield L. **Bull World Health Organ** 1990;68 Suppl:66-73 (51 ref.)

Recombinant proteins and synthetic peptides as malaria vaccine candidates. Nussenzweig RS. **Can J Microbiol** 1990 Nov;36(11):817-20 (22 ref.)

Tumor necrosis factor and malaria. Beneficial and harmful aspects. Playfair JH. **Diagn Microbiol Infect Dis** 1990 Sep-Oct;13(5):435-8 (12 ref.)

Malaria vaccine. Certa U. **Experientia** 1991 Feb 15; 47(2):157-63 (31 ref.)

The parasitology of malaria and the study of protective immunity. Brown KN. **Immunol Lett** 1990 Aug; 25(1-3):97-9 (21 ref.)

Human immune responses against sexual stages of malaria parasites: considerations for malaria vaccines. Mendis KN, et al. **Int J Parasitol** 1990 Jul;20(4):497-502 (23 ref.)

ISOLATION & PURIFICATION

Anopheline mosquitoes and malaria parasites in Taiwan. Lien JC. **Kao Hsiung I Hsueh Ko Hsueh Tsa Chih** 1991 May; 7(5):207-23 (64 ref.)

PATHOGENICITY

Vesicle-mediated transport of membrane and proteins in malaria-infected erythrocytes [see comments] Barnwell JW. **Blood Cells** 1990;16(2-3):379-95 (80 ref.) Comment in: Blood Cells 1990;16(2-3):396-400.

Preferential invasion of malarial merozoites into young red blood cells [see comments] Mons B. **Blood Cells** 1990; 16(2-3):299-312 (42 ref.) Comment in: Blood Cells 1990;16(2-3):313-8.

Biosynthesis and dynamics of lipids in Plasmodium-infected mature mammalian erythrocytes. Vial HJ, et al. **Blood Cells** 1990;16(2-3):531-55; discussion 556-61 (122 ref.)

Virulence of lizard malaria: the evolutionary ecology of an ancient parasite-host association. Schall JJ. **Parasitology** 1990;100 Suppl:S35-52 (69 ref.)

PHYSIOLOGY

Ion metabolism in malaria-infected erythrocytes [see comments] Tanabe K. **Blood Cells** 1990;16(2-3):437-49 (61 ref.) Comment in: Blood Cells 1990;16(2-3):450-1.

Biochemistry of red cell invasion. Wilson RJ. **Blood Cells** 1990;16(2-3):237-52; discussion 253-6 (103 ref.)

Malaria as anthropo-ecosystem (MAES): Part V. Self-regulation and stability of MAES. Kondrashin AV, et al. **J Commun Dis** 1990 Mar;22(1):12-22 (36 ref.)

PLASMODIUM BERGHEI

IMMUNOLOGY

Host-parasite interactions and immunity to irradiated sporozoites. Weiss WR. **Immunol Lett** 1990 Aug; 25(1-3):39-42 (8 ref.)

PLASMODIUM FALCIPARUM

Therapeutics review: the use of parenteral drugs for falciparum malaria. Davidson RN, et al. **Cent Afr J Med** 1990 Oct;36(10):259-63 (20 ref.)

Tumour necrosis factor, fever and fatality in falciparum

malaria. Kwiatkowski D. **Immunol Lett** 1990 Aug; 25(1–3):213–6 (14 ref.)
Cerebral malaria––a diagnostic and therapeutic approach. Gandhi DJ, et al. **Indian Pediatr** 1990 Jun;27(6):651–7 (21 ref.)
Cerebral malaria in children [see comments] Phillips RE, et al. **Lancet** 1990 Dec 1;336(8727):1355–60 (78 ref.) Comment in: Lancet 1991 Jan 12;337(8733):115. Comment in: Lancet 1991 Feb 2;337(8736):302–3.
Imported malaria. Conlon C. **Practitioner** 1990 Sep; 234(1494):841–3 (5 ref.)
Drug resistance in malaria. Peters W. **Recenti Prog Med** 1990 Dec;81(12):749–53 (29 ref.)
Exchange transfusion as an adjunct to the treatment of severe falciparum malaria: case report and review. Phillips P, et al. **Rev Infect Dis** 1990 Nov–Dec;12(6):1100–8 (49 ref.)
Severe and complicated malaria. World Health Organization, Division of Control of Tropical Diseases. **Trans R Soc Trop Med Hyg** 1990;84 Suppl 2:1–65 (518 ref.)
[Fatal pulmonary edema in a pernicious malaria attack] Rioult B, et al. **Ann Fr Anesth Reanim** 1990;9(6):557–9 (17 ref.) (Eng. Abstr.) **(Fre)**
[Intensive medical treatment of severe malaria tropica] Böker KH, et al. **Dtsch Med Wochenschr** 1991 May 17; 116(20):780–5 (70 ref.) **(Ger)**

DRUG EFFECTS

Enhancement of the antimalarial effect of chloroquine on drug-resistant parasite strains––a critical examination of the reversal of multidrug resistance. Ginsburg H. **Exp Parasitol** 1991 Aug;73(2):227–32 (33 ref.)
Similarities and differences between the multidrug resistance phenotype of mammalian tumor cells and chloroquine resistance in Plasmodium falciparum. Karcz S, et al. **Exp Parasitol** 1991 Aug;73(2):233–40 (40 ref.)
The dynamics of drug resistance in Plasmodium falciparum. Wernsdorfer WH, et al. **Pharmacol Ther** 1991;50(1):95–121 (127 ref.)
The resistance of falciparum malaria in Africa to 4–aminoquinolines and antifolates. Schapira A. **Scand J Infect Dis Suppl** 1990;75:1–64 (182 ref.)
Drug-resistant malaria: mechanisms of development and inferences for malaria control. Björkman A, et al. **Trans R Soc Trop Med Hyg** 1990 May–Jun;84(3):323–4 (17 ref.)

ENZYMOLOGY

The dihydrofolate reductase–thymidylate synthetase gene in the drug resistance of malaria parasites. Hyde JE. **Pharmacol Ther** 1990;48(1):45–59 (76 ref.)

GENETICS

The generation of genetic diversity in malaria parasites. McConkey GA, et al. **Annu Rev Microbiol** 1990;44:479–98 (55 ref.)
Malaria and Leishmania parasites share the knob–associated histidine–rich protein gene sequences. Sharma YD. **Comp Biochem Physiol [B]** 1991;98(4):433–5 (10 ref.)
The putative mitochondrial genome of Plasmodium falciparum. Feagin JE, et al. **J Protozool** 1991 May–Jun; 38(3):243–5 (34 ref.)

GROWTH & DEVELOPMENT

Hepatic phase of malaria: a crucial role as "go–between" with other stages. Mazier D, et al. **Bull World Health Organ** 1990;68 Suppl:126–31 (36 ref.)

IMMUNOLOGY

Sporozoite malaria vaccine. Where do we stand? Nussenzweig V, et al. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:49–52 (19 ref.)
Immunity to falciparum and vivax malaria induced by irradiated sporozoites: a review of the University of Maryland studies, 1971–75. Clyde DF. **Bull World Health Organ** 1990;68 Suppl:9–12 (9 ref.)
Antibody responses to Plasmodium falciparum and P. vivax sporozoites in areas with stable and unstable malaria. Del Giudice G, et al. **Bull World Health Organ** 1990;68 Suppl:191–6 (32 ref.)
Liposomes containing lipid A: a potent nontoxic adjuvant for a human malaria sporozoite vaccine. Alving CR, et al. **Immunol Lett** 1990 Aug;25(1–3):275–9 (27 ref.)
T cell responses in acute falciparum malaria. Ho M, et al. **Immunol Lett** 1990 Aug;25(1–3):135–8 (23 ref.)
Immunogenicity of Plasmodium falciparum sexual stage antigens: implications for the design of a transmission blocking vaccine. Kaslow DC. **Immunol Lett** 1990 Aug; 25(1–3):83–6 (11 ref.)
Measuring cellular immune responses to malaria antigens in endemic populations: epidemiological, parasitological and physiological factors which influence in vitro assays. Riley E, et al. **Immunol Lett** 1990 Aug;25(1–3):221–9 (56 ref.)
Malaria antigens and MHC restriction. Sinigaglia F, et al. **Immunol Lett** 1990 Aug;25(1–3):265–70 (25 ref.)
Naturally acquired immunity to Plasmodium falciparum. Day KP, et al. **Immunol Today** 1991 Mar;12(3):A68–71 (37 ref.)
Antigenic polymorphism in malaria: is it an important mechanism for immune evasion? Mendis KN, et al. **Immunol Today** 1991 Mar;12(3):A34–7 (43 ref.)
Prospects for a malaria vaccine. Coppel RL. **Microbiol Sci** 1986 Oct;3(10):292–5 (23 ref.)
Immunity to sexual stages of human malaria parasites: immune modulation during natural infections, antigenic determinants, and the induction of transmission–blocking immunity. Targett G. **Scand J Infect Dis Suppl** 1990; 76:79–88 (31 ref.)

METABOLISM

Purines and pyrimidines in malarial parasites. Gero AM, et al. **Blood Cells** 1990;16(2–3):467–84; discussion 485–98 (75 ref.)
Plasmodium falciparum carbohydrate metabolism: a connection between host cell and parasite. Roth E Jr. **Blood Cells** 1990;16(2–3):453–60; discussion 461–6 (30 ref.)
Calcium/calmodulin functions in P. falciparum in vitro––implications for antiprotozoal drug design. Scheibel LW, et al. **Prog Clin Parasitol** 1989;1:21–56 (172 ref.)

PATHOGENICITY

Properties of permeation pathways induced in the human red cell membrane by malaria parasites [see comments] Cabantchik ZI. **Blood Cells** 1990;16(2–3):421–32 (27 ref.) Comment in: Blood Cells 1990;16(2–3):433–6.
Innate resistance to malaria: the intraerythrocytic cycle. Nagel RL. **Blood Cells** 1990;16(2–3):321–39; discussion 340–9 (90 ref.)

PHYSIOLOGY

Structure and possible function of Plasmodium falciparum proteins exported to the erythrocyte membrane. Knapp B, et al. **Parasitol Res** 1991;77(4):277–82 (43 ref.)

PLASMODIUM INFECTIONS see **MALARIA**

PLASMODIUM MALARIAE

Imported malaria. Conlon C. **Practitioner** 1990 Sep; 234(1494):841–3 (5 ref.)

PLASMODIUM VIVAX

IMMUNOLOGY

Immunity to falciparum and vivax malaria induced by irradiated sporozoites: a review of the University of Maryland studies, 1971–75. Clyde DF. **Bull World Health Organ** 1990;68 Suppl:9–12 (9 ref.)
Antibody responses to Plasmodium falciparum and P. vivax sporozoites in areas with stable and unstable malaria. Del Giudice G, et al. **Bull World Health Organ** 1990;68 Suppl:191–6 (32 ref.)
Antigenic polymorphism in malaria: is it an important mechanism for immune evasion? Mendis KN, et al. **Immunol Today** 1991 Mar;12(3):A34–7 (43 ref.)
Immunity to sexual stages of human malaria parasites: immune modulation during natural infections, antigenic determinants, and the induction of transmission–blocking immunity. Targett G. **Scand J Infect Dis Suppl** 1990; 76:79–88 (31 ref.)

PATHOGENICITY

Preferential invasion of malarial merozoites into young red blood cells [see comments] Mons B. **Blood Cells** 1990; 16(2–3):299–312 (42 ref.) Comment in: Blood Cells 1990;16(2–3):313–8.

PLASMODIUM YOELII

IMMUNOLOGY

Host–parasite interactions and immunity to irradiated sporozoites. Weiss WR. **Immunol Lett** 1990 Aug; 25(1–3):39–42 (8 ref.)

PLASMOSOME see **CELL NUCLEOLUS**

PLASTER CASTS see **CASTS, SURGICAL**

PLASTIC CASTS see **CASTS, SURGICAL**

PLASTICITY, NEURONAL see **NEURONAL PLASTICITY**

PLASTICS

Plastics from bacteria and for bacteria: poly(beta–hydroxyalkanoates) as natural, biocompatible, and biodegradable polyesters. Brandl H, et al. **Adv Biochem Eng Biotechnol** 1990;41:77–93 (133 ref.)
Plastic artificial eyes: overview and technique. Cerullo L. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:25–45 (0 ref.)
Volatiles in packaging materials. Kim–Kang H. **Crit Rev Food Sci Nutr** 1990;29(4):255–71 (157 ref.)
Inert plastics as indicators of physiological processes in the gastrointestinal tract of ruminants. Welch JG. **J Anim Sci** 1990 Sep;68(9):2930–5 (10 ref.)

METABOLISM

Plastics and synthetic fibres from microorganisms: a dream or a potential reality? Griffin M, et al. **Microbiol Sci** 1987 Dec;4(12):357–61 (28 ref.)

PLATANNA see **XENOPUS LAEVIS**

PLATELET ACTIVATING FACTOR

ANTAGONISTS & INHIBITORS

From ginkgolides to N–substituted piperidino–thieno diazepines, a new series of highly potent dual antagonists. Braquet P, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:929–37 (19 ref.)
New trends in PAF antagonist research: a new series of potent hetrapazine–derived PAF antagonists. Braquet P, et al. **Agents Actions** 1991 Jan;32(1–2):34–6 (6 ref.)
PAF antagonism as an approach to the treatment of airway hyperreactivity. Meade CJ, et al. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S79–82 (77 ref.)
Ethnopharmacology and the development of natural PAF antagonists as therapeutic agents. Braquet P, et al. **J Ethnopharmacol** 1991 Apr;32(1–3):135–9 (22 ref.)
Antagonists of platelet–activating factor: chemistry, pharmacology and clinical applications. Hosford D, et al. **Prog Med Chem** 1990;27:325–80 (334 ref.)
[Agonists and antagonists of the platelet activating factor (PAF). II.] Nechifor M. **Rev Med Chir Soc Med Nat Iasi** 1990 Apr–Jun;94(2):439–40 (15 ref.) **(Rum)**

BIOSYNTHESIS

Effects of dietary fish oil on leukocyte leukotriene and PAF generation and on neutrophil chemotaxis. Sperling RI. **World Rev Nutr Diet** 1991;66:391–400 (26 ref.)

IMMUNOLOGY

Eicosanoids and platelet–activating factor in allergic respiratory diseases. Henderson WR Jr. **Am Rev Respir Dis** 1991 May;143(5 Pt 2):S86–90 (75 ref.)
The role of platelet–activating factor in asthma. Smith LJ. **Am Rev Respir Dis** 1991 May;143(5 Pt 2):S100–2 (45 ref.)
Inflammatory mediators and interstitial cystitis. Felsen D, et al. **Semin Urol** 1991 May;9(2):102–7 (50 ref.)

METABOLISM

Arachidonic acid cascade and platelet–activating factor in the network of eye inflammatory mediators: therapeutic implications in uveitis. Bazan NG, et al. **Int Ophthalmol** 1990 Oct;14(5–6):335–44 (48 ref.)
Platelet–activating factor (PAF) and its relation to prostaglandins, leukotrienes and other aspects of arachidonate metabolism. Peplow PV, et al. **Prostaglandins Leukot Essent Fatty Acids** 1990 Oct; 41(2):71–82 (159 ref.)
Overview of eicosanoid metabolism and relationship to platelet–activating factor. Dusting GJ, et al. **Reprod Fertil Dev** 1990;2(5):417–21 (12 ref.)
Embryo–derived platelet activating factor: interactions with the arachidonic acid cascade and the establishment and maintenance of pregnancy. O'Neill C, et al. **Reprod Fertil Dev** 1990;2(5):423–41 (83 ref.)

PHARMACOLOGY

Biochemical pharmacology of platelet–activating factor (and PAF antagonists) in relation to clinical and experimental thrombocytopenia. Meade CJ, et al. **Biochem Pharmacol** 1991 Mar 1;41(5):657–68 (121 ref.)
Platelet–activating factor. A putative mediator in central nervous system injury? Feuerstein G, et al. **Stroke** 1990 Nov;21(11 Suppl):III90–4 (33 ref.)

PHYSIOLOGY

Role of platelet–activating factor in renal immune injury and proteinuria. Perico N, et al. **Am J Nephrol** 1990;10 Suppl 1:98–104 (48 ref.)
Platelet–activating factor and related acetylated lipids as potent biologically active cellular mediators. Snyder F. **Am J Physiol** 1990 Nov;259(5 Pt 1):C697–708 (141 ref.)
Platelet–activating factor in stroke and brain injury. Lindsberg PJ, et al. **Ann Neurol** 1991 Aug;30(2):117–29 (103 ref.)
The role of platelet activating factor in allergic respiratory disease. Page CP. **Br J Clin Pharmacol** 1990;30 Suppl 1:99S–106S (69 ref.)
The role of platelet–activating factor in inflammation. Camussi G, et al. **Clin Immunol Immunopathol** 1990 Dec; 57(3):331–8 (69 ref.)
Platelet–activating factor (PAF) and PAF antagonists in asthma. Hosford D, et al. **Crit Rev Ther Drug Carrier Syst** 1990;7(3):261–73 (104 ref.)
Platelet–activating factor. Prescott SM, et al. **J Biol Chem** 1990 Oct 15;265(29):17381–4 (80 ref.)
PAF, cytokines, toxic oxygen products and cell injury. Ward PA, et al. **Mol Aspects Med** 1991;12(2):169–74 (21 ref.)
The role of platelet activating factor and its antagonists in shock, sepsis and multiple organ failure. Anderson BO, et al. **Surg Gynecol Obstet** 1991 May;172(5):415–24 (116 ref.)
The role of platelet–activating factor in endothelial cells. Prescott SM, et al. **Thromb Haemost** 1990 Aug 13; 64(1):99–103 (27 ref.)
A physiological role for PAF in the stimulation of mammalian embryonic development. O'Neill C.

Trends Pharmacol Sci 1991 Mar;12(3):82–4 (20 ref.)
[Platelet activating factor—a biologically active phospholipid] Ostermann G, et al. **Pharmazie** 1990 Jul; 45(7):465–87 (625 ref.) **(Ger)**
[Mediators of immunologic inflammation of the respiratory tract] Miadonna A, et al. **Boll Ist Sieroter Milan** 1988; 67(5–6):369–76 (62 ref.) (Eng. Abstr.) **(Ita)**
[PAF—platelet activating factor, its significance in pathophysiologic processes] Gina AR. **Pol Tyg Lek** 1990 Oct 15–29;45(42–44):886–8 (16 ref.) **(Pol)**
[Platelet activating factor as a mediator of lesions of the digestive system] Polonskiĭ VM. **Klin Med (Mosk)** 1990 Aug;68(8):27–31 (39 ref.) **(Rus)**
[Platelet activating factor in the physiopathology of bronchial asthma] Fraj Lázaro J, et al. **Med Clin (Barc)** 1991 Jan 12;96(1):30–4 (51 ref.) **(Spa)**
[The participation of platelet-activating factor and cytokines in the pathogenesis of glomerular damage] Egido J, et al. **Rev Clin Esp** 1990 Jul–Aug;187(3):137–43 (69 ref.) **(Spa)**

THERAPEUTIC USE

[Agonists and antagonists of the platelet activating factor (PAF). II.] Nechifor M.
Rev Med Chir Soc Med Nat Iasi 1990 Apr–Jun;94(2):439–40 (15 ref.) **(Rum)**

PLATELET ACTIVATION

Phospholipid-mediated signaling in receptor activation of human platelets. Nozawa Y, et al.
Biochim Biophys Acta 1991 Apr 3;1082(3):219–38 (253 ref.)
Platelet activation [editorial] Page CP. **J Lipid Mediat** 1991 Jul–Aug;4(1):1–4 (21 ref.)
Receptors that activate platelets. Colman RW.
Proc Soc Exp Biol Med 1991 Jul;197(3):242–8 (74 ref.)
GTP-binding proteins and platelet activation. Brass LF, et al. **Prog Hemost Thromb** 1991;10:127–74 (366 ref.)

IMMUNOLOGY

Platelets in inflammatory glomerular injury. Johnson RJ.
Semin Nephrol 1991 May;11(3):276–84 (73 ref.)
Immunological detection of activated platelets in clinical disorders. Abrams C, et al. **Thromb Haemost** 1991 May 6;65(5):467–73 (80 ref.)

PHYSIOLOGY

Platelet activation in the pathogenesis of unstable angina: importance in determining the response to plasminogen activators. Fitzgerald DJ. **Am J Cardiol** 1991 Sep 3; 68(7):51B–57B (49 ref.)
Mechanisms of platelet activation: thromboxane A2 as an amplifying signal for other agonists. FitzGerald GA.
Am J Cardiol 1991 Sep 3;68(7):11B–15B (73 ref.)
Amplification mechanisms in platelet activation and arterial thrombosis. De Clerck FF, et al. **J Hypertens Suppl** 1990 Dec;8(7):S87–93 (82 ref.)
Activated polymorphonuclear leukocytes stimulate platelet function. de Gaetano G, et al. **Thromb Res Suppl** 1990; 11:25–32 (16 ref.)

PLATELET ADHESIVENESS

see related
PLATELET MEMBRANE GLYCOPROTEINS

Adhesive interactions of platelets and their blockade. Hawiger J. **Ann N Y Acad Sci** 1991;614:270–8 (76 ref.)
Platelet adhesion to extracellular matrices of cultured cells. Sixma JJ, et al. **Ann N Y Acad Sci** 1991;614:181–92 (59 ref.)
von Willebrand factor and platelet function. Weiss HJ.
Ann N Y Acad Sci 1991;614:125–37 (112 ref.)
Developing relationships: arterial platelet adhesion, glycoprotein Ib, and leucine-rich glycoproteins. Roth GJ.
Blood 1991 Jan 1;77(1):5–19 (192 ref.)

IMMUNOLOGY

[Domain structure of human von Willebrand factor, and its modulators involved in the platelet adhesion process in vitro] Fujimura Y, et al. **Rinsho Ketsueki** 1991 May; 32(5):475–80 (26 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Platelet membrane glycoproteins: functions in cellular interactions. Kieffer N, et al. **Annu Rev Cell Biol** 1990; 6:329–57 (143 ref.)

PLATELET AGGREGATION

see related
PLATELET MEMBRANE GLYCOPROTEINS

An independent haemostatic mechanism: shear induced platelet aggregation. O'Brien JR, et al.
Adv Exp Med Biol 1990;281:287–96 (32 ref.)
Generation and transmission of vasoactive and antiaggregatory signals by the endothelium. Bassenge E, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:434–40 (26 ref.)
GPIIb–IIIa: the responsive integrin. Phillips DR, et al.
Cell 1991 May 3;65(3):359–62 (21 ref.)
Role of circulating immune complexes and platelet aggregation in the development of experimentally induced atherosclerosis in monkeys with normal intact vas deferens and following vasectomy. Sharda N, et al.
Indian Heart J 1991 Jan–Feb;43(1):35–8 (29 ref.)
Effects of snake venom proteins on blood platelets. Kini RM, et al. **Toxicon** 1990;28(12):1387–422 (200 ref.)
[Highlights of thromboxane synthetase inhibitor research] Yu WG, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul; 21(3):216–20 (55 ref.) **(Chi)**
[Blood platelets and the elderly. Relation to the arterial wall and hemostasis] Boisseau MR.
Ann Cardiol Angeiol (Paris) 1991 May;40(5):239–42 (21 ref.) **(Fre)**
[Cancer metastasis and platelet aggregation] Tsuruo T.
Tanpakushitsu Kakusan Koso 1990 Nov;35(15):2818–24 (47 ref.) **(Jpn)**

DRUG EFFECTS

Characterization of snake venom principles affecting blood coagulation and platelet aggregation. Ouyang C, et al.
Adv Exp Med Biol 1990;281:151–63 (135 ref.)
Molsidomine. Reden J. **Blood Vessels** 1990;27(2–5):282–94 (34 ref.)
Modulation of platelet aggregation by an L-arginine–nitric oxide pathway. Radomski MW, et al.
Trends Pharmacol Sci 1991 Mar;12(3):87–8 (25 ref.)
Thrombogenesis and inhibition of platelet aggregation. Experimental aspects and future approaches. Badimon L, et al. **Z Kardiol** 1990;79 Suppl 3:133–45 (117 ref.)
[Effects of endotoxin on platelet] He K, et al.
Sheng Li Ko Hsueh Chin Chan 1991 Jan;22(1):69–72 (41 ref.) **(Chi)**
[Platelet hyperaggregation induced by low molecular weight heparin in adult respiratory distress syndrome] Roynard JL, et al. **Ann Fr Anesth Reanim** 1991;10(1):70–3 (20 ref.) (Eng. Abstr.) **(Fre)**
[Platelet aggregation, coronary insufficiency and aspirin] Nicolau JC, et al. **Arq Bras Cardiol** 1990 Mar;54(3):223–6 (35 ref.) **(Por)**

PHYSIOLOGY

Serotonin, hypertension and vascular disease. Vanhoutte PM.
Neth J Med 1991 Feb;38(1–2):35–42 (46 ref.)
Relationship between prostacyclin and nitric oxide in the thrombotic process. Moncada S, et al.
Thromb Res Suppl 1990;11:3–13 (47 ref.)
[Fibronectin as a polyfunctional regulator of blood cells and tissues] Fedorov NA. **Vestn Akad Med Nauk SSSR** 1991; (2):26–8 (19 ref.) (Eng. Abstr.) **(Rus)**
[Molecular mechanisms of intercellular interactions mediated by cell-adhesion proteins and their receptors] Tatarintsev AV, et al. **Vestn Akad Med Nauk SSSR** 1991;(2):29–36 (114 ref.) **(Rus)**

PLATELET AGGREGATION INHIBITORS

An overview of dipyridamole. Mammen EF.
Thromb Res Suppl 1990;12:1–3 (14 ref.)

PHARMACOLOGY

Molsidomine. Reden J. **Blood Vessels** 1990;27(2–5):282–94 (34 ref.)
Pharmacology of the nitrovasodilators. Antianginal, antihypertensive, and antiplatelet actions. Gold ME.
Nurs Clin North Am 1991 Jun;26(2):437–50 (43 ref.)
[Therapy of arterial occlusive disease] Bollinger A.
Verh Dtsch Ges Inn Med 1990;96:702–6 (22 ref.) **(Ger)**
[New drugs for the inhibition of the pro-thrombotic effects of prostaglandins and thromboxane A2] Patscheke H.
Verh Dtsch Ges Inn Med 1990;96:696–702 (13 ref.) **(Ger)**
[Antiaggregant drugs: their pharmacology, mechanism of action and the interpretation of large trials] Cattaneo M, et al. **G Ital Cardiol** 1990 Jul;20(7):661–9 (45 ref.) **(Ita)**
[Trend in the development of new inhibitors of cyclic nucleotide metabolism and their clinical application] Hidaka H, et al. **Nippon Rinsho** 1991 Apr;49(4):961–7 (13 ref.) **(Jpn)**

THERAPEUTIC USE

Antiplatelet and antithrombotic therapy in unstable angina. Théroux P. **Am J Cardiol** 1991 Sep 3;68(7):92B–98B (40 ref.)
Role of new antiplatelet agents as adjunctive therapies in thrombolysis. Willerson JT, et al. **Am J Cardiol** 1991 Jan 25;67(3):12A–18A (20 ref.)
Antiplatelet agents: effects on the progressive renal disease. Zoja C, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):98–102 (35 ref.)
Current use of antiplatelet drugs in stroke syndromes in the USA. Nelson E. **Ann N Y Acad Sci** 1990;598:368–75 (19 ref.)
New approaches to antiplatelet therapy. Ezratty AM, et al.
Blood Coagul Fibrinolysis 1991 Apr;2(2):317–27 (73 ref.)
Which role for antiplatelet and anticoagulant drugs in unstable angina pectoris? Lewis HD Jr.
Cardiovasc Drugs Ther 1988 May;2(1):103–6 (7 ref.)
Role of platelet inhibitor therapy in myocardial infarction. Stein B, et al. **Cardiovasc Drugs Ther** 1989 Dec;3(6):797–813 (113 ref.)
The current role of platelet-active drugs in ischaemic heart disease. Kerins DM, et al. **Drugs** 1991 May;41(5):665–71 (49 ref.)
What is the role of oral anticoagulants and platelet inhibitors in peripheral vascular surgery? Van Urk H, et al.
Eur J Vasc Surg 1990 Dec;4(6):553–5 (10 ref.)
Heparin and antiaggregating therapy in unstable angina. Neri Serneri GG, et al. **Haemostasis** 1990;20 Suppl 1:113–21 (39 ref.)
Prospects for the use of antagonists to the platelet glycoprotein IIb/IIIa receptor to prevent post-angioplasty restenosis and thrombosis. Ellis SG, et al.
J Am Coll Cardiol 1991 May;17(6 Suppl B):89B–95B (82 ref.)
Prevention of stenosis after vascular reconstruction: pharmacologic control of intimal hyperplasia—a review. Clowes AW, et al. **J Vasc Surg** 1991 Jun;13(6):885–91 (59 ref.)
Long-term antiplatelet therapy for the prevention of vascular disease. MacMahon S, et al. **Med J Aust** 1991 Apr 1; 154(7):477–80 (12 ref.)
The use of antiplatelet agents in glomerulonephritis: a pharmacological approach. Patrono C, et al.
Nephrol Dial Transplant 1990;5 Suppl 1:29–32 (22 ref.)
The role of platelet activating factor and its antagonists in shock, sepsis and multiple organ failure. Anderson BO, et al. **Surg Gynecol Obstet** 1991 May;172(5):415–24 (116 ref.)
A review of secondary coronary prevention with dipyridamole and aspirin. Prentice CR.
Thromb Res Suppl 1990;12:43–9 (11 ref.)
Thrombogenesis and inhibition of platelet aggregation. Experimental aspects and future approaches. Badimon L, et al. **Z Kardiol** 1990;79 Suppl 3:133–45 (117 ref.)
[Therapeutics and arterial aging. Antiaggregants] Decamps A, et al. **Ann Cardiol Angeiol (Paris)** 1991 Jun;40(6):377–84 (23 ref.) **(Fre)**
[Anticoagulant or antiplatelet aggregation treatment after aortocoronary bypass] Sagnol P, et al. **Presse Med** 1991 Feb 23;20(7):287–90 (25 ref.) **(Fre)**
[Anti-aggregants in 1990] Verstraete M. **Rev Med Interne** 1990 May–Jun;11(3):209–15 (56 ref.) (Eng. Abstr.) **(Fre)**
[Thromboxane antagonists] Hof-Mussler S.
Med Monatsschr Pharm 1991 Apr;14(4):98–9 (2 ref.) **(Ger)**
[Thrombocyte inhibitors in cardiovascular therapy] Lüscher TF, et al. **Schweiz Rundsch Med Prax** 1990 Sep 25; 79(39):1132–41 (67 ref.) (Eng. Abstr.) **(Ger)**
[Platelet function inhibitors in cerebral arterial occlusive disease] Fitscha P, et al. **Vasa Suppl** 1990;30:16–20 (24 ref.) **(Ger)**
[Anticoagulants and antiaggregants in ischemic heart disease] Motolese M. **G Ital Cardiol** 1990 Aug;20(8):746–57 (73 ref.) **(Ita)**

PLATELET ANTAGONISTS see **PLATELET AGGREGATION INHIBITORS**

PLATELET ANTIAGGREGANTS see **PLATELET AGGREGATION INHIBITORS**

PLATELET-DERIVED GROWTH FACTOR

Structural and functional aspects of the receptors for platelet-derived growth factor. Westermark B, et al.
Prog Growth Factor Res 1989;1(4):253–66 (72 ref.)

ANTAGONISTS & INHIBITORS

Involvement of fish oils and growth factors in atherogenesis. Fox PL, et al. **World Rev Nutr Diet** 1991;66:255–67 (42 ref.)

BIOSYNTHESIS

Platelet-derived growth factor produced by pulmonary cells. Brody AR, et al. **Chest** 1991 Mar;99(3 Suppl):50S–52S (38 ref.)
Growth factor production following prosthetic graft implantation. Graham LM, et al. **J Vasc Surg** 1991 May; 13(5):742–4 (13 ref.)
Endothelial cell production of platelet-derived growth factor. Fox PL, et al. **Semin Perinatol** 1991 Feb;15(1):34–9 (38 ref.)

CHEMISTRY

[Thrombocyte growth factor] Buck C, et al.
Immun Infekt 1990 Aug;18(4):132–5 (50 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

The molecular and cellular biology of platelet-derived growth factor. Westermark B. **Acta Endocrinol (Copenh)** 1990 Aug;123(2):131–42 (86 ref.)
Cellular interactions, growth factors, and smooth muscle proliferation in atherogenesis. Ross R, et al.
Ann N Y Acad Sci 1990;598:102–12 (34 ref.)
Growth factors and wound healing: platelet-derived growth factor as a model cytokine. Deuel TF, et al.
Annu Rev Med 1991;42:567–84 (113 ref.)
Platelet-derived growth factor and its role in atherogenesis:

a brief review. Tennant M, et al. **Aust N Z J Surg** 1991 Jul;61(7):482–8 (90 ref.)
Platelet-derived growth factor: mechanism of action and possible in vivo function. Heldin CH, et al. **Cell Regul** 1990 Jul;1(8):555–66 (113 ref.)
Platelet-derived growth factor and autocrine mechanisms of oncogenic processes. Heldin CH, et al. **Crit Rev Oncog** 1991;2(2):109–24 (184 ref.)
Platelet-derived growth factor and its receptor in blood cell differentiation and neoplasia. Pantazis P, et al. **Eur J Haematol** 1990 Sep;45(3):127–38 (107 ref.)
Growth regulatory proteins from human platelets. Heldin CH, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:81–92 (73 ref.)
Role of platelet-derived growth factor in wound healing. Pierce GF, et al. **J Cell Biochem** 1991 Apr;45(4):319–26 (54 ref.)
Signal transduction by the receptors for platelet-derived growth factor. Heldin CH, et al. **J Cell Sci** 1990 Jun;96 (Pt 2):193–6 (51 ref.)
Current concepts in wound healing: growth factor and macrophage interaction. Cromack DT, et al. **J Trauma** 1990 Dec;30(12 Suppl):S129–33 (50 ref.)
TGF-beta and PDGF mediated tissue repair: identifying mechanisms of action using impaired and normal models of wound healing. Cromack DT, et al. **Prog Clin Biol Res** 1991;365:359–73 (25 ref.)
[PDGF, EGF and TGF-alpha. Promoters of cancer growth and wound healing] Uhl D. **Med Monatsschr Pharm** 1991 May;14(5):130–1 (3 ref.) **(Ger)**

PLATELET FACTOR 4

GENETICS

Molecular biology of the megakaryocyte-specific gene platelet factor 4. Poncz M. **Prog Clin Biol Res** 1990; 356:65–76 (33 ref.)

PHYSIOLOGY

Two burgeoning families of platelet factor 4-related proteins: mediators of the inflammatory response. Stoeckle MY, et al. **New Biol** 1990 Apr;2(4):313–23 (85 ref.)

PLATELET FUNCTION TESTS

Viability testing of radio-labelled platelets; an updated survey. Hardeman MR. **Prog Clin Biol Res** 1990;355:11–6 (33 ref.)

METHODS

Platelet function tests in the assessment of antithrombotic agents [editorial; comment] Greaves M. **Br J Clin Pharmacol** 1990 Aug;30(2):175–7 (16 ref.)
Comment on: Br J Clin Pharmacol 1990 Aug;30(2):179–86.

PLATELET MEMBRANE GLYCOPROTEIN COMPLEX IIB-IIIA see **PLATELET MEMBRANE GLYCOPROTEINS**

PLATELET MEMBRANE GLYCOPROTEIN IB see **PLATELET MEMBRANE GLYCOPROTEINS**

PLATELET MEMBRANE GLYCOPROTEINS

GPIIb-IIIa: the responsive integrin. Phillips DR, et al. **Cell** 1991 May 3;65(3):359–62 (21 ref.)
The platelet glycoprotein Ib-IX complex. Ruggeri ZM. **Prog Hemost Thromb** 1991;10:35–68 (195 ref.)

GENETICS

Molecular biology of human platelet membrane glycoprotein Ib. Clemetson KJ, et al. **Prog Clin Biol Res** 1990;356:77–88 (34 ref.)

IMMUNOLOGY

Monoclonal antibodies to platelet glycoprotein IIb/IIIa as antithrombotic agents. Coller BS, et al. **Ann N Y Acad Sci** 1991;614:193–213 (74 ref.)

METABOLISM

Studies on the localization of fibrinogen binding sites on platelet glycoprotein IIIa. Niewiarowski S, et al. **Adv Exp Med Biol** 1990;281:251–6 (32 ref.)
Monitoring the release of glycocalicin in platelet concentrates by ELISA. Bessos H, et al. **Blood Coagul Fibrinolysis** 1991 Apr;2(2):373–6 (27 ref.)
Carbohydrate ligands of the LEC cell adhesion molecules. Brandley BK, et al. **Cell** 1990 Nov 30;63(5):861–3 (20 ref.)
Platelet GPIIb as a marker for megakaryocytopoiesis. Marguerie G, et al. **Prog Clin Biol Res** 1990;356:55–64 (19 ref.)

PHYSIOLOGY

An independent haemostatic mechanism: shear induced platelet aggregation. O'Brien JR, et al. **Adv Exp Med Biol** 1990;281:287–96 (32 ref.)
Integrin structure and function in hemostasis and thrombosis. Bennett JS. **Ann N Y Acad Sci** 1991;614:214–28 (114 ref.)
ADP receptors in platelets. Colman RW. **Ann N Y Acad Sci** 1990;603:198–209; discussion 209–10 (38 ref.)
Adhesive interactions of platelets and their blockade. Hawiger J. **Ann N Y Acad Sci** 1991;614:270–8 (76 ref.)
Platelet membrane glycoproteins: functions in cellular interactions. Kieffer N, et al. **Annu Rev Cell Biol** 1990; 6:329–57 (143 ref.)
Developing relationships: arterial platelet adhesion, glycoprotein Ib, and leucine-rich glycoproteins. Roth GJ. **Blood** 1991 Jan 1;77(1):5–19 (192 ref.)
Growth control in mammalian cells by cell-cell contacts. Wieser RJ, et al. **Environ Health Perspect** 1990 Aug; 88:251–3 (27 ref.)
Extracellular proteins that modulate cell-matrix interactions. SPARC, tenascin, and thrombospondin. Sage EH, et al. **J Biol Chem** 1991 Aug 15;266(23):14831–4 (81 ref.)
GMP-140: a receptor for neutrophils and monocytes on activated platelets and endothelium. McEver RP. **J Cell Biochem** 1991 Feb;45(2):156–61 (36 ref.)

PLATELET TRANSFORMING GROWTH FACTOR see **TRANSFORMING GROWTH FACTOR BETA**

PLATELETPHERESIS

Optimal use of blood components. Gravlee GP. **Int Anesthesiol Clin** 1990 Fall;28(4):216–22 (37 ref.)

PLATELETS see **BLOOD PLATELETS**

PLATINUM

see related
ORGANOPLATINUM COMPOUNDS

ANALYSIS

Analytical methodologies for the quantitation of platinum anti-cancer drugs and related compounds in biological media. De Waal WA, et al. **J Pharm Biomed Anal** 1990; 8(1):1–30 (128 ref.)

PLATINUM DIAMMINODICHLORIDE see **CISPLATIN**

PLATYBASIA

see related
ARNOLD-CHIARI DEFORMITY

DIAGNOSIS

[The Hajdu-Cheney syndrome. The basilar impression as a diagnostic sign] Laudi B, et al. **Dtsch Med Wochenschr** 1991 Aug 23;116(34):1285–9 (32 ref.) **(Ger)**

PLATYHELMINTHS

CLASSIFICATION

Phylogeny of Platyhelminthes, with special reference to parasitic groups [published erratum appears in Int J Parasitol 1991 Apr;21(2):287] Rohde K. **Int J Parasitol** 1990 Dec;20(8):979–1007 (285 ref.)

METABOLISM

Marine adhesive proteins: natural composite thermosets. Waite JH. **Int J Biol Macromol** 1990 Apr;12(2):139–44 (60 ref.)

PHYSIOLOGY

Neuropeptides in platyhelminths. Fairweather I, et al. **Parasitology** 1991;102 Suppl:S77–92 (140 ref.)
Role of regulatory peptides in parasitic platyhelminths and their vertebrate hosts: possible novel factors in host-parasite interactions. Shaw C, et al. **Parasitology** 1991; 102 Suppl:S93–105 (63 ref.)

PLAY AND PLAYTHINGS

Amusement machine playing in childhood and adolescence: a comparative analysis of video games and fruit machines. Griffiths MD. **J Adolesc** 1991 Mar;14(1):53–73 (85 ref.)
[Children's games; observations and experiences] Eifermann RR. **Psychiatr Enfant** 1990;33(2):457–78 (30 ref.) (Eng. Abstr.) **(Fre)**

PLAY THERAPY

[Games psychotherapy and psychoprophylaxis in pediatrics] Erenkova NV. **Pediatriia** 1990;(9):84–90 (24 ref.) **(Rus)**

PLEROCERCOID LARVAE see **SPARGANUM**

PLETHYSMOGRAPHY

Plethysmography in the assessment and treatment of sexual deviance: an overview. Simon WT, et al. **Arch Sex Behav** 1991 Feb;20(1):75–91 (62 ref.)
Noninvasive diagnostic assessment of peripheral vascular disease. Barnes RW. **Circulation** 1991 Feb;83(2 Suppl):I20–7 (64 ref.)

METHODS

Non-invasive and simultaneous cardiovascular measurements using plethysmography techniques. Yamakoshi K. **Front Med Biol Eng** 1990;2(4):249–76 (51 ref.)

PLETHYSMOGRAPHY, IMPEDANCE

Physiological correlates of impedance plethysmographic waveform. Dharani JB, et al. **J Postgrad Med** 1990 Apr; 36(2):71–9 (43 ref.)

PLETHYSMOGRAPHY, IMPEDANCE, TRANSTHORACIC see **CARDIOGRAPHY, IMPEDANCE**

PLEURA

[Treatment of interpleural pain] Ahlburg P, et al. **Ugeskr Laeger** 1990 Sep 10;152(37):2632–4 (21 ref.) (Eng. Abstr.) **(Dan)**
[Therapeutic pleurodesis in spontaneous pneumothorax, malignant pleural effusion, heart insufficiency and chylothorax] Storm HK, et al. **Ugeskr Laeger** 1991 Apr 1;153(14):989–92 (30 ref.) (Eng. Abstr.) **(Dan)**

DRUG EFFECTS

[Advances in the treatment of pneumothorax with pleural adhesion therapy] Deng GJ. **Chung Hua Chieh Ho Ho Hu Hsi Tsa Chih** 1991 Feb; 14(1):42–3 (11 ref.) **(Chi)**

PATHOLOGY

Histopathology of the pleura. Corrin B, et al. **Respiration** 1990;57(3):160–75 (145 ref.)
[Changes in the pleura and review of idiopathic pulmonary hemosiderosis Ceelen-Gellerstedt disease] Müller KM, et al. **Pneumologie** 1991 Jan;45(1):23–7 (26 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Pleural pressure distribution and its relationship to lung volume and interstitial pressure. Lai-Fook SJ, et al. **J Appl Physiol** 1991 Mar;70(3):967–78 (93 ref.)

RADIOGRAPHY

Computed tomography of benign pleural and pulmonary parenchymal abnormalities related to asbestos exposure. Friedman AC, et al. **Semin Ultrasound CT MR** 1990 Oct; 11(5):393–408 (49 ref.)

PLEURAL DISEASES

New developments in asbestos-induced pleural disease. Schwartz DA. **Chest** 1991 Jan;99(1):191–8 (119 ref.)

CHEMICALLY INDUCED

Drug-related pleural and mediastinal disorders. Miller WT Jr. **J Thorac Imaging** 1991 Jan;6(1):36–51 (148 ref.)

COMPLICATIONS

[Hypoglycemic pleural mesothelioma. A case report] Scotté M, et al. **Ann Chir** 1990;44(8):688–91 (16 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Imaging the pleura: sonography, CT, and MR imaging. McLoud TC, et al. **AJR Am J Roentgenol** 1991 Jun; 156(6):1145–53 (66 ref.)
Imaging of the pleura. Im JG. **Curr Opin Radiol** 1991 Jun; 3(3):387–93 (43 ref.)

DRUG THERAPY

[The use of antibiotics in pathology of the lower respiratory tract, lung and pleura] Moreno Martín J. **An Esp Pediatr** 1989 Sep;31 Suppl 38:68–78 (40 ref.) **(Spa)**

ETIOLOGY

Roentgenographic manifestations and pulmonary function effects of asbestos-induced pleural thickening. Rosenstock L. **Toxicol Ind Health** 1991 Jan-Mar;7(1-2):81–7 (27 ref.)
[Pleuro-pulmonary manifestations of rheumatoid polyarthritis] Perez T, et al. **Rev Mal Respir** 1991; 8(2):169–89 (255 ref.) (Eng. Abstr.) **(Fre)**
[Isolated pleural actinomycosis. Apropos of 2 cases] Touboul JL, et al. **Rev Pneumol Clin** 1990;46(2):69–72 (18 ref.) (Eng. Abstr.) **(Fre)**
[Nonmalignant pleural disease in asbestos exposed workers] Zejda J. **Pol Tyg Lek** 1989 Nov 13–27;44(46–48):970–2 (29 ref.) (Eng. Abstr.) **(Pol)**

PATHOLOGY

Histopathology of the pleura. Corrin B, et al. **Respiration** 1990;57(3):160–75 (145 ref.)

RADIOGRAPHY

Radiological features of asbestos-related visceral pleural

changes. Solomon A. **Am J Ind Med** 1991;19(3):339–55 (49 ref.)
Pancreaticopleural fistula. Report of 7 patients and review of the literature. Rockey DC, et al. **Medicine (Baltimore)** 1990 Nov;69(6):332–44 (128 ref.)
Computed tomography of benign pleural and pulmonary parenchymal abnormalities related to asbestos exposure. Friedman AC, et al. **Semin Ultrasound CT MR** 1990 Oct; 11(5):393–408 (49 ref.)

SURGERY

[Thoracic drainage in mechanically ventilated patients—indications, placement technique, complications] Konrad F. **Klin Anasthesiol Intensivther** 1991;39:326–32; discussion 333–9 (7 ref.) **(Ger)**
[Use of fibrin glue in thoracic surgery] Astrozhnikov IuV, et al. **Vestn Khir** 1990 Oct;145(10):133–7 (45 ref.) **(Rus)**

PLEURAL EFFUSION

COMPLICATIONS

[Pleural effusion associated with primary lymphedema: a rare combination. Apropos of a case] Casado Y, et al. **Med Clin (Barc)** 1990 Jun 23;95(4):141–2 (16 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Imaging of the pleura. Im JG. **Curr Opin Radiol** 1991 Jun; 3(3):387–93 (43 ref.)

ETIOLOGY

Malignant effusions. Olopade OI, et al. **CA** 1991 May–Jun; 41(3):166–79 (56 ref.)
Pleuropulmonary complications of endoscopic variceal sclerotherapy. Edling JE, et al. **Chest** 1991 May; 99(5):1252–7 (58 ref.)

PHYSIOPATHOLOGY

[Pleural effusion and circulation of the lymphatic system] Yamakido M, et al. **Kokyu To Junkan** 1991 May; 39(5):419–24 (21 ref.) **(Jpn)**

THERAPY

[Therapeutic pleurodesis in spontaneous pneumothorax, malignant pleural effusion, heart insufficiency and chylothorax] Storm HK, et al. **Ugeskr Laeger** 1991 Apr 1;153(14):989–92 (30 ref.) (Eng. Abstr.) **(Dan)**

PLEURAL EFFUSION, MALIGNANT

ETIOLOGY

Lambda light chain myeloma with pleural involvement. Abbate SL, et al. **Cleve Clin J Med** 1991 May–Jun; 58(3):235–9 (26 ref.)

METABOLISM

Technetium-99m-methylene diphosphonate (MDP) uptake in a sympathetic effusion: an index of malignancy and a review of the literature. Cole TJ, et al. **J Nucl Med** 1991 Feb;32(2):325–7 (7 ref.)

PATHOLOGY

[Diffuse malignant mesothelioma. Presentation of 10 cases and review of the literature] Briceño CE, et al. **Rev Med Panama** 1990 Sep;15(3):168–75 (14 ref.) (Eng. Abstr.) **(Spa)**

PLEURAL NEOPLASMS

Pleural mesothelioma. Butchart EG, et al. **Curr Opin Oncol** 1990 Apr;2(2):352–8 (23 ref.)
Pleural mesothelioma. Ruffie PA. **Curr Opin Oncol** 1991 Apr; 3(2):328–34 (45 ref.)

CHEMICALLY INDUCED

[Asbestos-induced lung diseases] Lange P, et al. **Ugeskr Laeger** 1990 Nov 19;152(47):3520–4 (30 ref.) (Eng. Abstr.) **(Dan)**

DIAGNOSIS

The diagnosis of mesothelioma by panels. McCaughey WT. **Am J Ind Med** 1991;19(1):121–4 (20 ref.)
[Diagnosis of diffuse pleural mesotheliomas] Loddenkemper R. **Pneumologie** 1991 Apr;45(4):159–61 (15 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

[Treatment of mesothelioma with interferon gamma and interleukin 2] Boutin C, et al. **Rev Pneumol Clin** 1990; 46(5):211–5 (26 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Radiation associated malignant pleural mesothelioma. Lerman Y, et al. **Thorax** 1991 Jun;46(6):463–4 (10 ref.)
[Pulmonary and pleural localizations of Kaposi's sarcoma in AIDS] Mayaud C, et al. **Rev Pneumol Clin** 1990; 46(6):237–43 (48 ref.) (Eng. Abstr.) **(Fre)**
[Pleural mesothelioma: etiology and practical consequences] Woitowitz HJ, et al. **Pneumologie** 1991 Apr;45(4):153–8 (34 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Intracranial metastases from malignant pleural mesothelioma. Report of three autopsy cases and review of the literature. Falconieri G, et al. **Arch Pathol Lab Med** 1991 Jun; 115(6):591–5 (26 ref.)

RADIOGRAPHY

Computed tomography of asbestos-related pulmonary parenchymal and pleural diseases. Aberle DR, et al. **Clin Chest Med** 1991 Mar;12(1):115–31 (116 ref.)
Pleural granulocytic sarcoma: CT characteristics. Lee MJ, et al. **Clin Radiol** 1991 Jan;43(1):57–9 (11 ref.)

SURGERY

[Therapy of malignant pleural mesothelioma] Kaukel E, et al. **Med Klin** 1991 May 15;86(5):259–62 (43 ref.) **(Ger)**
[A case of malignant mesothelioma of the pleura] Fukuse T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Sep; 38(9):1492–6 (13 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Diagnosis and treatment of pleural mesothelioma. Rusch VW. **Semin Surg Oncol** 1990;6(5):279–85 (42 ref.)
[Therapy of malignant pleural mesothelioma] Kaukel E, et al. **Pneumologie** 1991 Apr;45(4):162–6 (43 ref.) (Eng. Abstr.) **(Ger)**

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the lower respiratory tract and pleura in the rat. Mohr U, et al. **IARC Sci Publ** 1990;(99):275–99 (112 ref.)

PLEURAL RUB see **RESPIRATORY SOUNDS**

PLEURISY

ETIOLOGY

[A rare cause of pleurisy from subdiaphragmatic origin: epidermoid cyst of the spleen] Caillet B, et al. **Rev Pneumol Clin** 1990;46(3):114–5 (6 ref.) (Eng. Abstr.) **(Fre)**
[Bilateral purulent pleurisy and spontaneous rupture of the esophagus (Boerhaave's syndrome). Apropos of a case] Debieuvre D, et al. **Rev Pneumol Clin** 1991;47(1):52–4 (6 ref.) (Eng. Abstr.) **(Fre)**
[Clinical study on asbestos pleurisy and review of literature] Tamura M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Sep;28(9):1182–94 (39 ref.) (Eng. Abstr.) **(Jpn)**
[Acute pleuropericarditis and cardiac tamponade as extraintestinal complications of ulcerative colitis] González Martín T, et al. **An Med Interna** 1990 Nov;7(11):581–4 (14 ref.) (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Group C streptococcal pleurisy and pneumonia: a fulminant case and review of the literature. Dolinski SY, et al. **Infection** 1990 Jul–Aug;18(4):239–41 (17 ref.)

PLEURODYNIA, EPIDEMIC

CHEMICALLY INDUCED

Neuromuscular manifestations of the L-tryptophan-associated eosinophilia-myalgia syndrome. Kaufman LD. **Curr Opin Rheumatol** 1990 Dec;2(6):896–900 (27 ref.)

EPIDEMIOLOGY

The eosinophilia-myalgia syndrome: the Los Alamos Conference. Hertzman PA, et al. **J Rheumatol** 1991 Jun; 18(6):867–73 (33 ref.)

PATHOLOGY

The eosinophilia-myalgia syndrome and eosinophilic fasciitis. Jimenez SA. **Curr Opin Rheumatol** 1990 Dec;2(6):960–6 (33 ref.)

PLEURONECTIFORMES see **FLATFISHES**

PLEUROPNEUMONIA

VETERINARY

Pleuropneumonia. Byars TD, et al. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):63–78 (20 ref.)

PLEUROPNEUMONIA-LIKE ORGANISMS see **MYCOPLASMA**

PLOIDIES

Ploidy analysis and S-phase fraction determination by flow cytometry of invasive adenocarcinomas of the breast. Frierson HF Jr. **Am J Surg Pathol** 1991 Apr;15(4):358–67 (90 ref.)
DNA ploidy and prostate-specific antigen as prognostic factors in clinically resectable prostate cancer. Badalament RA, et al. **Cancer** 1991 Jun 15;67(12):3014–23 (51 ref.)
Cytogenetics, ploidy and differentiation of human testicular, ovarian and extragonadal germ cell tumours. Oosterhuis JW, et al. **Cancer Surv** 1990;9(2):320–32 (67 ref.)
DNA ploidy and cell kinetics in human colorectal carcinomas. Silvestrini R, et al. **J Surg Oncol Suppl** 1991; 2:4–8 (27 ref.)

PLUMMER-VINSON SYNDROME

COMPLICATIONS

Plummer-Vinson syndrome complicated by gastric cancer: a case report. Nagai T, et al. **Keio J Med** 1990 Jun; 39(2):106–11 (34 ref.)

PMSG see **GONADOTROPINS, EQUINE**

PNEUMATOSIS CYSTOIDES INTESTINALIS

Pneumatosis cystoides intestinalis: case reports and review of the literature. Micklefield GH, et al. **Mater Med Pol** 1990 Apr–Jun;22(2):70–2 (25 ref.)

PNEUMOCEPHALUS

Spontaneous trigemino-pontine pneumocephalus. Mariani L, et al. **Br J Neurosurg** 1991;5(2):199–204 (34 ref.)

ETIOLOGY

Delayed pneumocephalus in patients with CSF shunts. Mylonas C. **Br J Neurosurg** 1991;5(1):67–72 (19 ref.)

PNEUMOCOCCAL INFECTIONS

Pneumococcal osteomyelitis and arthritis in children. A hospital series and literature review. Jacobs NM. **Am J Dis Child** 1991 Jan;145(1):70–4 (61 ref.)
Pneumococcal bacterial tracheitis. Orenstein JB, et al. **Am J Emerg Med** 1991 May;9(3):243–5 (10 ref.)
Pneumococcal peritonitis complicating CAPD—was the indwelling intrauterine device to blame? Korzets A, et al. **Clin Nephrol** 1991 Jan;35(1):24–5 (13 ref.)
Pneumococcal endocarditis in infants and children: report of a case and review of the literature. Elward K, et al. **Pediatr Infect Dis J** 1990 Sep;9(9):652–7 (34 ref.)
Pneumococcal endometritis and neonatal sepsis. Robinson EN Jr. **Rev Infect Dis** 1990 Sep–Oct;12(5):799–801 (11 ref.)

MICROBIOLOGY

Acute glossitis and bacteremia caused by Streptococcus pneumoniae: case report and review [letter] Stoddard JJ, et al. **Am J Dis Child** 1991 Jun;145(6):598–9 (5 ref.)
Penicillin-resistant pneumococci. Allen KD. **J Hosp Infect** 1991 Jan;17(1):3–13 (61 ref.)

PREVENTION & CONTROL

Pneumococcal vaccine trials in Papua New Guinea: relationships between epidemiology of pneumococcal infection and efficacy of vaccine. Riley ID, et al. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S535–41 (41 ref.)

PNEUMOCOCCUS see **STREPTOCOCCUS PNEUMONIAE**

PNEUMOCONIOSIS

Development and use of a pneumoconiosis database of human pulmonary inorganic particulate burden in over 400 lungs. Abraham JL, et al. **Scanning Microsc** 1991 Mar;5(1):95–104; discussion 105–8 (11 ref.)

DIAGNOSIS

Impact of integrative cardiopulmonary exercise testing on clinical decision making. Sue DY, et al. **Chest** 1991 Apr; 99(4):981–92 (54 ref.)

ETIOLOGY

Relationship of inflammatory cell cytokines to disease severity in individuals with occupational inorganic dust exposure. Rom WN. **Am J Ind Med** 1991;19(1):15–27 (50 ref.)
Health effects of tremolite. This official statement of the American Thoracic Society was adopted by the ATS Board of Directors, June 1990. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 1):1453–8 (58 ref.)
Rare earth deposits in a deceased movie projectionist. A new case of rare earth pneumoconiosis? Waring PM, et al. **Med J Aust** 1990 Dec 3–17;153(11–12):726–30 (24 ref.)
[The role of tissue basophils in the pathogenesis of pneumoconiosis] Iaglov VV, et al. **Gig Tr Prof Zabol** 1990; (10):24–31 (16 ref.) (Eng. Abstr.) **(Rus)**
[The role of fibronectin in the development of fibrosis] Iaglov VV, et al. **Vestn Akad Med Nauk SSSR** 1991;(2):50–2 (18

ref.) (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Radiologic diagnosis of pneumoconioses] Hering KG, et al. **Radiologe** 1990 Dec;30(12):574–80 (20 ref.) (Eng. Abstr.) **(Ger)**

PNEUMOCYSTIS CARINII

Extrapulmonary Pneumocystis carinii infections in the acquired immunodeficiency syndrome. Cohen OJ, et al. **Arch Intern Med** 1991 Jun;151(6):1205–14 (89 ref.)

Extrapulmonary pneumocystosis: clinical features in human immunodeficiency virus infection. Northfelt DW, et al. **Medicine (Baltimore)** 1990 Nov;69(6):392–8 (53 ref.)

Extrapulmonary pneumocystosis: the first 50 cases. Raviglione MC. **Rev Infect Dis** 1990 Nov–Dec; 12(6):1127–38 (67 ref.)

CLASSIFICATION

Pneumocystis carinii, an opportunist in immunocompromised patients. Bartlett MS, et al. **Clin Microbiol Rev** 1991 Apr; 4(2):137–49 (202 ref.)

GENETICS

Molecular biology of Pneumocystis carinii. Cushion MT, et al. **Ann N Y Acad Sci** 1990;616:415–20 (26 ref.)

ISOLATION & PURIFICATION

Pneumocystis carinii otitis media in AIDS: a case report and review of the literature regarding extrapulmonary pneumocystosis. Sandler ED, et al. **Otolaryngol Head Neck Surg** 1990 Nov;103(5 (Pt 1)):817–21 (16 ref.)

Pneumocystis carinii infections in HIV-infected children. Sanders-Laufer D, et al. **Pediatr Clin North Am** 1991 Feb; 38(1):69–88 (124 ref.)

PNEUMOCYSTIS CARINII PNEUMONIA see **PNEUMONIA, PNEUMOCYSTIS CARINII**

PNEUMOGASTRIC NERVE see **VAGUS NERVE**

PNEUMOLOGY see **PULMONARY DISEASE (SPECIALTY)**

PNEUMOMEDIASTINUM see **MEDIASTINAL EMPHYSEMA**

PNEUMONECTOMY

[Long-term results after surgical treatment of lung metastases] McCormack PM, et al. **Chirurg** 1990 Aug; 61(8):578–82 (44 ref.) **(Ger)**

[Pulmonary excision: long-term outcome] Beltrami V, et al. **G Chir** 1988 Jun;9(6):385–94 (20 ref.) **(Ita)**

TRENDS

[Advances in pulmonary and esophageal surgeries] Huang XM. **Chung Hua Wai Ko Tsa Chih** 1991 Jan;29(1):41–4 (0 ref.) **(Chi)**

PNEUMONIA

Atypical manifestations of pneumonia in the elderly. Fein AM, et al. **Clin Chest Med** 1991 Jun;12(2):319–36 (100 ref.)

Slowly resolving, chronic, and recurrent pneumonia. Kirtland SH, et al. **Clin Chest Med** 1991 Jun;12(2):303–18 (143 ref.)

Pneumonia in children. Condon VR. **J Thorac Imaging** 1991 Jul;6(3):31–44 (37 ref.)

Pneumonia in the elderly. Ely EW, et al. **J Thorac Imaging** 1991 Jul;6(3):45–61 (121 ref.)

Lower respiratory tract infections. Billas A. **Prim Care** 1990 Dec;17(4):811–24 (25 ref.)

Enteral nutrition and infection in the intensive care unit. Pingleton SK. **Semin Respir Infect** 1990 Sep;5(3):185–90 (31 ref.)

Developments in the pathogenesis, diagnosis and treatment of nosocomial pneumonia. Scheld WM. **Surg Gynecol Obstet** 1991;172 Suppl:42–53 (95 ref.)

[Nosocomial bacterial pneumonia] Habscheid W. **Dtsch Med Wochenschr** 1990 Dec 7;115(49):1876–81 (45 ref.) **(Ger)**

[Hospital pneumonia] Alegre Martín J, et al. **An Med Interna** 1990 Nov;7 Suppl 2:37–41 (27 ref.) **(Spa)**

CHEMICALLY INDUCED

Bronchoalveolar lavage cell data in drug-induced pneumonitis. Akoun GM, et al. **Allerg Immunol (Paris)** 1991 Jun;23(6):245–52 (78 ref.)

[Pneumopathy caused by methotrexate] Massin F, et al. **Rev Mal Respir** 1990;7(1):5–15 (104 ref.) (Eng. Abstr.) **(Fre)**

CLASSIFICATION

[Modern approach to the classification and diagnosis of pneumonia] Ajanović E. **Plucne Bolesti** 1990 Jul–Dec; 42(3–4):239–44 (25 ref.) (Eng. Abstr.) **(Scr)**

COMPLICATIONS

Inflammation in the lung in cystic fibrosis. A vicious cycle that does more harm than good? Berger M. **Clin Rev Allergy** 1991 Spring-Summer;9(1–2):119–42 (92 ref.)

Community-acquired pneumonia caused by Legionella dumoffii in a patient with hairy cell leukemia. Fang GD, et al. **Infection** 1990 Nov–Dec;18(6):383–5 (24 ref.)

Brainstem germinoma presenting as intermittent apnoea: a rare entity: report of one patient and review of literature. Poungvarin N, et al. **J Med Assoc Thai** 1991 Jan;74(1):55–60 (12 ref.)

DIAGNOSIS

Respiratory rate and pneumonia in infancy. Berman S, et al. **Arch Dis Child** 1991 Jan;66(1):81–4 (12 ref.)

The role of bronchoalveolar lavage in diagnosing nonopportunistic bacterial pneumonia [see comments] Meduri GU, et al. **Chest** 1991 Jul;100(1):179–90 (85 ref.) Comment in: Chest 1991 Jul;100(1):1–2.

Noninfectious pulmonary diseases masquerading as community-acquired pneumonia. Gross TJ, et al. **Clin Chest Med** 1991 Jun;12(2):363–93 (184 ref.)

Tuberculosis and the atypical pneumonia syndrome. Mangura BT, et al. **Clin Chest Med** 1991 Jun;12(2):349–62 (84 ref.)

Pneumonia syndromes: a clinical approach in the elderly. Cunha BA, et al. **Geriatrics** 1990 Oct;45(10):49–52, 55 (5 ref.)

Clinical features of pneumonia in the elderly. Musgrave T, et al. **Semin Respir Infect** 1990 Dec;5(4):269–75 (40 ref.)

Diagnosis and antibiotic treatment of community-acquired pneumonia. Rodnick JE, et al. **West J Med** 1991 Apr; 154(4):405–9 (22 ref.)

[Consensus development conference: diagnosis of nosocomial pneumonia in intensive care. 5th consensus conference in resuscitation and intensive care medicine (October 13, 1989)] Tenaillon A. **Rev Pneumol Clin** 1990;46(2):88–90 (0 ref.) **(Fre)**

[The diagnosis of pneumonia in the ventilated patient] Pugin J. **Schweiz Med Wochenschr** 1990 Nov 10;120(45):1672–7 (28 ref.) (Eng. Abstr.) **(Fre)**

[Microbiological diagnosis of lower respiratory tract infections] Marre R, et al. **Immun Infekt** 1990 Oct; 18(5):147–51 (27 ref.) (Eng. Abstr.) **(Ger)**

[Current aspects in the diagnosis of pulmonary infections in intensive care patients] Speich R, et al. **Schweiz Med Wochenschr** 1990 Nov 10;120(45):1663–71 (98 ref.) (Eng. Abstr.) **(Ger)**

[Microbiologic diagnosis of community-acquired pneumonia] Alegre Martín J, et al. **An Med Interna** 1990 Nov;7 Suppl 2:17–21 (37 ref.) **(Spa)**

[Clinical considerations on community-acquired pneumonia] Fernández de Sevilla Ribosa T, et al. **An Med Interna** 1990 Nov;7 Suppl 2:11–5 (20 ref.) **(Spa)**

[Usefulness of the sputum for the etiologic diagnosis of pneumonia] Pachón J, et al. **Enferm Infecc Microbiol Clin** 1989 Jan;7(1):44–7 (47 ref.) **(Spa)**

DRUG THERAPY

Oral antibiotics for pneumonia. Hampson NB, et al. **Clin Chest Med** 1991 Jun;12(2):395–407 (80 ref.)

Role of quinolones in the treatment of bronchopulmonary infections, particularly pneumococcal and community-acquired pneumonia. Thys JP, et al. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):304–15 (79 ref.)

Parenteral antibiotic therapy for patients in nursing homes. Mulligan T. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 2:S180–3 (23 ref.)

Impact of the antibiotic dosage schedule on efficacy in experimental lung infections. Roosendaal R, et al. **Scand J Infect Dis Suppl** 1990;74:155–62 (17 ref.)

Treatment of pneumonia in the elderly: pharmacological considerations. Gray J. **Semin Respir Infect** 1990 Dec; 5(4):295–302 (48 ref.)

Antimicrobial resistance in the intensive care unit. Grayson ML, et al. **Semin Respir Infect** 1990 Sep;5(3):204–14 (58 ref.)

Approach to therapy of respiratory infections in the critical care setting. Pennington JE. **Semin Respir Infect** 1990 Sep; 5(3):226–32 (69 ref.)

Diagnosis and treatment of pneumonia in the surgical intensive care unit [published erratum appears in Surg Gynecol Obstet 1991 Apr;172(4):324] Burchard K. **Surg Gynecol Obstet** 1990;171 Suppl:35–40 (15 ref.)

[Randomized therapeutic trials of community-acquired lung diseases. Analysis of studies published between 1978 and 1988] Vercken JB. **Rev Pneumol Clin** 1991;47(1):21–7 (38 ref.) (Eng. Abstr.) **(Fre)**

[Progress of antibiotic therapy in pediatrics] Simon C. **Infection** 1991;19 Suppl 1:S61–4 (11 ref.) (Eng. Abstr.) **(Ger)**

[Treatment of community-acquired pneumonia] Fernández de Sevilla T, et al. **An Med Interna** 1990 Nov;7 Suppl 2:23–5 (20 ref.) **(Spa)**

EPIDEMIOLOGY

Sucralfate versus antacids or H2-antagonists for stress ulcer prophylaxis: a meta-analysis on efficacy and pneumonia rate. Tryba M. **Crit Care Med** 1991 Jul;19(7):942–9 (47 ref.)

Epidemiological features and chemotherapy of community-acquired respiratory tract infections. Finch RG. **J Antimicrob Chemother** 1990 Dec;26 Suppl E:53–61 (35 ref.)

Nosocomial pneumonia in the 1990s: update of epidemiology and risk factors. Craven DE, et al. **Semin Respir Infect** 1990 Sep;5(3):157–72 (114 ref.)

ETIOLOGY

Hypersensitivity pneumonitis. Pitcher WD. **Am J Med Sci** 1990 Oct;300(4):251–66 (102 ref.)

Atypical pneumonia and environmental factors. Where have you been and what have you done? Casey KR. **Clin Chest Med** 1991 Jun;12(2):285–302 (108 ref.)

Sepsis syndrome, the adult respiratory distress syndrome, and nosocomial pneumonia. A common clinical sequence. Niederman MS, et al. **Clin Chest Med** 1990 Dec; 11(4):633–56 (154 ref.)

Acute radiation pneumonitis after postmastectomy irradiation: effect of fraction size. Price A, et al. **Clin Oncol (R Coll Radiol)** 1990 Jul;2(4):224–9 (20 ref.)

Rheumatic pneumonia in a 10-year old Ethiopian child. Ephrem D. **East Afr Med J** 1990 Oct;67(10):740–2 (14 ref.)

Acute respiratory infections. Berman S. **Infect Dis Clin North Am** 1991 Jun;5(2):319–36 (63 ref.)

Infectious atypical pneumonia in the intensive care unit. Gurman G, et al. **Isr J Med Sci** 1991 Jul;27(7):408–15 (54 ref.)

Community-acquired pneumonia: the clinical dilemma. Bowton DL, et al. **J Thorac Imaging** 1991 Jul;6(3):1–5 (26 ref.)

Chlamydia trachomatis pneumonitis: a case study and literature review. Griffin M, et al. **Pediatr Pathol** 1990; 10(5):843–52 (21 ref.)

[Pulmonary infections in immunocompromised patients] Pachón J, et al. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:23–33 (137 ref.) **(Spa)**

IMMUNOLOGY

Heat shock proteins: an autoprotective mechanism for inflammatory cells? Kantengwa S, et al. **Semin Immunol** 1991 Jan;3(1):49–56 (54 ref.)

Host responses in mediating sepsis and adult respiratory distress syndrome. Strieter RM, et al. **Semin Respir Infect** 1990 Sep;5(3):233–47 (112 ref.)

[IgG2 deficiency associated with recurrent pneumonia and asthma (review of an IgG subclass)] de José Gomez MI, et al. **An Esp Pediatr** 1990 Sep;33(3):258–64 (51 ref.) (Eng. Abstr.) **(Spa)**

[Bacterial pneumonia in patients with human immunodeficiency virus infection] Falcó Ferrer V, et al. **An Med Interna** 1990 Nov;7 Suppl 2:35–6 (12 ref.) **(Spa)**

METABOLISM

Changes in pulmonary surfactant during bacterial pneumonia. Brogden KA. **Antonie Van Leeuwenhoek** 1991 May; 59(4):215–23 (39 ref.)

Glutathione and inflammatory disorders of the lung. Cantin AM, et al. **Lung** 1991;169(3):123–38 (89 ref.)

MICROBIOLOGY

Community-acquired fungal diseases. Sarosi GA. **Clin Chest Med** 1991 Jun;12(2):337–47 (40 ref.)

Infections with Chlamydia pneumoniae strain TWAR. Thom DH, et al. **Clin Chest Med** 1991 Jun;12(2):245–56 (44 ref.)

Rhodococcus equi: an animal and human pathogen. Prescott JF. **Clin Microbiol Rev** 1991 Jan;4(1):20–34 (199 ref.)

The chlamydial pneumonias. Grayston JT, et al. **Curr Clin Top Infect Dis** 1991;11:1–18 (94 ref.)

Group C streptococcal pleurisy and pneumonia: a fulminant case and review of the literature. Dolinski SY, et al. **Infection** 1990 Jul–Aug;18(4):239–41 (17 ref.)

Nosocomial pneumonia in children. Jacobs RF. **Infection** 1991 Mar–Apr;19(2):64–72 (28 ref.)

The role of Haemophilus influenzae in the pathogenesis of pneumonia. Moxon ER, et al. **Rev Infect Dis** 1991 May–Jun; 13 Suppl 6:S518–27 (78 ref.)

Invasive techniques in the diagnosis of bacterial pneumonia in the intensive care unit. Chauncey JB, et al. **Semin Respir Infect** 1990 Sep;5(3):215–25 (66 ref.)

Gram-negative colonization of the respiratory tract: pathogenesis and clinical consequences. Niederman MS. **Semin Respir Infect** 1990 Sep;5(3):173–84 (56 ref.)

[Pathogenesis of community-acquired pneumonia] Alegre Martín J, et al. **An Med Interna** 1990 Nov;7 Suppl 2:3–6 (27 ref.) **(Spa)**

[Microbiologic diagnosis of community-acquired pneumonia] Alegre Martín J, et al. **An Med Interna** 1990 Nov;7 Suppl 2:17–21 (37 ref.) **(Spa)**

[Etiology of community-acquired pneumonia] Falcó Ferrer V, et al. **An Med Interna** 1990 Nov;7 Suppl 2:7–9 (16 ref.) **(Spa)**

[Pneumonia caused by Branhamella catarrhalis. A well-documented case (letter)] Gómez Garcés JL, et al. **Enferm Infecc Microbiol Clin** 1991 Jan;9(1):65–6 (10 ref.) **(Spa)**

[Usefulness of the sputum for the etiologic diagnosis of pneumonia] Pachón J, et al.

Enferm Infecc Microbiol Clin 1989 Jan;7(1):44–7 (47 ref.) **(Spa)**

PATHOLOGY

Nocardiosis: report of 2 cases with review of literature in Thailand. Yenrudi S, et al. **J Med Assoc Thai** 1991 Jan; 74(1):47–54 (34 ref.)

Histopathology of childhood pneumonia in developing countries. Anderson VM, et al. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S470–6 (42 ref.)

[Bronchiolitis obliterans with idiopathic organized pneumonia. Anatomoclinical analysis and nosologic discussion apropos of 6 cases] Kelkel E, et al. **Ann Med Interne (Paris)** 1990;141(8):661–7 (28 ref.) (Eng. Abstr.) **(Fre)**

[Bronchiolitis obliterans with pneumonic organization. Apropos of a case and review of the literature] Giron J, et al. **J Radiol** 1991 Feb;72(2):95–100 (16 ref.) (Eng. Abstr.) **(Fre)**

[Social and clinical aspects of caseous pneumonia] Polushkina EE, et al. **Probl Tuberk** 1991;(1):50–2 (17 ref.) **(Rus)**

PHYSIOPATHOLOGY

Physiological assessment of inflammation in the peripheral lung of asthmatic patients. Ingram RH Jr. **Lung** 1990; 168(5):237–47 (22 ref.)

[Pneumonia in the elderly] van der Meer JW. **Tijdschr Gerontol Geriatr** 1990 Aug;21(4):179–81 (13 ref.) (Eng. Abstr.) **(Dut)**

PREVENTION & CONTROL

Continuous lateral rotational therapy and nosocomial pneumonia. Sahn SA. **Chest** 1991 May;99(5):1263–7 (35 ref.)

Pathophysiology, monitoring, and management of the ventilator-dependent patient: considerations for drug therapy, emphasis on stress ulcer prophylaxis. Dellinger RP. **DICP** 1990 Nov;24(11 Suppl):S8–11 (16 ref.)

Use of vaccines for respiratory infections. Strategies for influenza and pneumococcal vaccines. Mäkelä PH, et al. **Scand J Infect Dis Suppl** 1990;70:141–8 (31 ref.)

Infection control and pneumonia prophylaxis strategies in the intensive care unit. Flaherty JP, et al. **Semin Respir Infect** 1990 Sep;5(3):191–203 (69 ref.)

[Clinical studies and monitoring: bacteriologic monitoring] Konrad F, et al. **Klin Anasthesiol Intensivther** 1991; 39:121–33; discussion 169–82 (35 ref.) **(Ger)**

RADIOGRAPHY

A pattern-oriented approach to chest radiographs in atypical pneumonia syndromes. Lynch DA, et al. **Clin Chest Med** 1991 Jun;12(2):203–22 (50 ref.)

[Radiotherapy-induced emergencies in the x-ray picture] Wüstenberg H. **Radiobiol Radiother (Berl)** 1990; 31(5):419–25 (19 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Management of pneumonia. Sethi GR, et al. **Indian Pediatr** 1990 Sep;27(9):1018–26 (6 ref.)

Intensive care management of pneumonia in the elderly. Bell DD, et al. **Semin Respir Infect** 1990 Dec;5(4):276–94 (235 ref.)

VETERINARY

Bacterial pneumonia. Traub-Dargatz JL. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):53–61 (33 ref.)

Environmental factors affecting the severity of pneumonia in pigs. Done SH. **Vet Rec** 1991 Jun 22;128(25):582–6 (59 ref.)

PNEUMONIA, ASPIRATION

Aspiration pneumonia. DePaso WJ. **Clin Chest Med** 1991 Jun;12(2):269–84 (194 ref.)

Aspiration pneumonitis: risk factors and management of the critically ill patient. Ruffalo RL. **DICP** 1990 Nov;24(11 Suppl):S12–6 (50 ref.)

Aspiration and the elderly. Feinberg MJ, et al. **Dysphagia** 1990;5(2):61–71 (75 ref.)

EPIDEMIOLOGY

The gastropulmonary route of infection--fact or fiction? Tryba M. **Am J Med** 1991 Aug 8;91(2A):135S–146S (65 ref.)

ETIOLOGY

Rumination risk of aspiration of gastric contents in the Prader-Willi syndrome. Sloan TB, et al. **Anesth Analg** 1991 Oct;73(4):492–5 (23 ref.)

[Radiologic monitoring of the mechanically ventilated patient] Jantsch H, et al. **Klin Anasthesiol Intensivther** 1991; 39:134–68; discussion 169–82 (87 ref.) **(Ger)**

PREVENTION & CONTROL

At the water's edge: where obstetrics and anesthesia meet [see comments] Elkington KW. **Obstet Gynecol** 1991 Feb; 77(2):304–8 (28 ref.) Comment in: Obstet Gynecol 1991 Jun;77(6):965–7.

[Lessening the aspiration risk] Ellmauer S. **Klin Anasthesiol Intensivther** 1990;38:85–100 (52 ref.) **(Ger)**

[Prophylaxis of acid aspiration] Escolano F, et al. **Rev Esp Anestesiol Reanim** 1990 Sep-Oct;37(5):304–8 (25 ref.) **(Spa)**

THERAPY

Approaches to the patient with aspiration and swallowing disabilities. Blitzer A. **Dysphagia** 1990;5(3):129–37 (84 ref.)

PNEUMONIA, EOSINOPHILIC see **PULMONARY EOSINOPHILIA**

PNEUMONIA, INTERSTITIAL see **PULMONARY FIBROSIS**

PNEUMONIA, INTERSTITIAL PLASMA CELL see **PNEUMONIA, PNEUMOCYSTIS CARINII**

PNEUMONIA, LIPID

[Lipid pneumopathy and bronchopulmonary adenocarcinoma. Apropos of a case] Seitz B, et al. **Rev Mal Respir** 1991;8(1):107–9 (13 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

[A case of exogenous lipoid pneumonia showing a coin lesion with cavities] Iwasaki Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1991 Jun; 29(6):729–33 (16 ref.) (Eng. Abstr.) **(Jpn)**

PNEUMONIA, LOBAR

Periodic health examination, 1991 update: 2. Administration of pneumococcal vaccine. Canadian Task Force on the Periodic Health Examination. **Can Med Assoc J** 1991 Mar 15;144(6):665–71 (59 ref.)

[Streptococcus pneumoniae pneumonia] Falcó Ferrer V, et al. **An Med Interna** 1990 Nov;7 Suppl 2:27–30 (23 ref.) **(Spa)**

COMPLICATIONS

[Pneumopyopericardium] Furtado A, et al. **Acta Med Port** 1990 Jul–Aug;3(4):245–7 (9 ref.) (Eng. Abstr.) **(Por)**

DRUG THERAPY

Role of quinolones in the treatment of bronchopulmonary infections, particularly pneumococcal and community-acquired pneumonia. Thys JP, et al. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):304–15 (79 ref.)

Impact of the antibiotic dosage schedule on efficacy in experimental lung infections. Roosendaal R, et al. **Scand J Infect Dis Suppl** 1990;74:155–62 (17 ref.)

MICROBIOLOGY

Pathogenesis of pneumococcal pneumonia. Johnston RB Jr. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S509–17 (105 ref.)

PREVENTION & CONTROL

Pneumococcal vaccine trials in Papua New Guinea: relationships between epidemiology of pneumococcal infection and efficacy of vaccine. Riley ID, et al. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S535–41 (41 ref.)

PNEUMONIA, MYCOPLASMA

COMPLICATIONS

Mycoplasma pneumoniae infections and Stevens-Johnson syndrome. Report of eight cases and review of the literature. Levy M, et al. **Clin Pediatr (Phila)** 1991 Jan; 30(1):42–9 (59 ref.)

[IgA glomerulonephritis associated with pneumonia caused by Mycoplasma pneumonia (letter)] Molina M, et al. **Enferm Infecc Microbiol Clin** 1991 Feb;9(2):131–2 (7 ref.) **(Spa)**

MICROBIOLOGY

Pneumonia caused by Mycoplasma pneumoniae infection. Luby JP. **Clin Chest Med** 1991 Jun;12(2):237–44 (86 ref.)

PATHOLOGY

Inflammatory pseudotumor of the lung in a child with mycoplasma pneumonia. Park SH, et al. **J Korean Med Sci** 1990 Dec;5(4):213–23 (45 ref.)

PNEUMONIA, PNEUMOCOCCAL see **PNEUMONIA, LOBAR**

PNEUMONIA, PNEUMOCYSTIS CARINII

Pneumocystis carinii pneumonia: new approaches to diagnosis, treatment and prevention. Hughes WT. **Pediatr Infect Dis J** 1991 May;10(5):391–9 (43 ref.)

[Pneumocystitis carinii pneumonia in adult patients with AIDS] Møller A, et al. **Ugeskr Laeger** 1991 Jun 10; 153(24):1710–1 (30 ref.) (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Widespread dissemination of Pneumocystis carinii infection in a patient with acquired immune deficiency syndrome receiving long-term treatment with aerosolized pentamidine. Dembinski AS, et al. **Am J Clin Pathol** 1991 Jan;95(1):96–100 (23 ref.)

Pneumocystis carinii, an opportunist in immunocompromised patients. Bartlett MS, et al. **Clin Microbiol Rev** 1991 Apr; 4(2):137–49 (202 ref.)

Human immunodeficiency virus (HIV)-associated pneumocystosis. Armstrong D, et al. **Curr Clin Top Infect Dis** 1991;11:19–34 (42 ref.)

Pneumocystis carinii infections in HIV-infected children. Sanders-Laufer D, et al. **Pediatr Clin North Am** 1991 Feb; 38(1):69–88 (124 ref.)

Pneumocystis carinii pneumonia (PCP). Lipschik GY, et al. **Prog Clin Parasitol** 1991;2:27–71 (294 ref.)

Pneumocystis carinii pneumonia complicating low dose methotrexate treatment for rheumatoid arthritis. Wollner A, et al. **Thorax** 1991 Mar;46(3):205–7 (12 ref.)

Pneumocystis carinii pneumonia [clinical conference] Balaan MR. **W V Med J** 1990 Dec;86(12):561–5 (17 ref.)

[Pneumocystis carinii pneumonia in patients with AIDS in the Congo] M'Boussa J, et al. **Rev Pneumol Clin** 1991; 47(1):39–42 (19 ref.) (Eng. Abstr.) **(Fre)**

[Atypical forms of AIDS-associated Pneumocystis carinii infection] Ewig S, et al. **Dtsch Med Wochenschr** 1991 Mar 1;116(9):346–51 (68 ref.) **(Ger)**

DIAGNOSIS

Advances in the diagnosis of Pneumocystis carinii pneumonia. Kovacs JA. **AIDS Clin Rev** 1990;:129–47 (55 ref.)

Pneumocystis carinii: a deadly opportunist. Zackrison LH, et al. **Am Fam Physician** 1991 Aug;44(2):528–41 (33 ref.)

[First Consensus Conference on the anti-infectious treatment organized by the Infectious Pathology Society of French language (S.P.I.L.F.). May 11, 1990. Xavier-Bichat Medicine Faculty. 16, Henri-Huchard, F-75018 Paris. Pneumocystosis in HIV infection. The text of the consensus] **Ann Med Interne (Paris)** 1990;141(6):541–51 (92 ref.) **(Fre)**

[Pneumocystis carinii pneumonia in HIV infection. Diagnosis, prognostic factors and curative treatment] Saimot AG, et al. **Presse Med** 1991 Feb 16;20(6):258–64 (44 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Recent developments in the therapy and management of Pneumocystis carinii pneumonia in patients with AIDS. Montgomery AB. **AIDS Clin Rev** 1989;:109–24 (49 ref.)

Prevention and treatment of Pneumocystis carinii pneumonia. Hughes WT. **Annu Rev Med** 1991;42:287–95 (45 ref.)

Prophylaxis and treatment of Pneumocystis carinii pneumonia. O'Doherty MJ, et al. **Br J Hosp Med** 1991 May;45(5):277–8, 280, 283 (44 ref.)

Glucocorticoid therapy for severe Pneumocystis carinii pneumonia. Miller RF, et al. **J Infect** 1990 Sep;21(2):131–7 (29 ref.)

AIDS commentary. The use of corticosteroids in Pneumocystis carinii pneumonia. Bozzette SA. **J Infect Dis** 1990 Dec;162(6):1365–9 (67 ref.)

Adverse reactions to co-trimoxazole in HIV infection. van der Ven AJ, et al. **Lancet** 1991 Aug 17;338(8764):431–3 (20 ref.)

[First Consensus Conference on anti-infectious Treatment. Pneumocystosis in HIV infection. Brief report (11–13 May 1990)] **Ann Med Interne (Paris)** 1990;141(4):374–6 (0 ref.) **(Fre)**

ETIOLOGY

[Pneumocystis carinii pneumonia in HIV infections. Committee of the 1st Consensus Conference of anti-infectious therapy organized in May 1990 in Paris by the Société de Pathologie Infectieuse de Langue Française] **Rev Pneumol Clin** 1990;46(4):141–53 (92 ref.) (Eng. Abstr.) **(Fre)**

[Consensus conference: pneumocystosis in HIV infections. 1st consensus conference in anti-infection therapeutics organized by "la Société de Pathologie Infectieuse de langue française", May 11, 1990] **Rev Pneumol Clin** 1990; 46(3):132–5 (0 ref.) **(Fre)**

IMMUNOLOGY

Fungal infections in HIV patients. Kirkpatrick CH. **Ann N Y Acad Sci** 1990;616:461–8 (33 ref.)

METABOLISM

Pentamidine: a review. Wispelwey B, et al. **Infect Control Hosp Epidemiol** 1991 Jun;12(6):375–82 (63 ref.)

PATHOLOGY

Evolving concepts of infection by Pneumocystis carinii. Watts JC, et al. **Pathol Annu** 1991;26 Pt 1:93–138 (202 ref.)

The expanding spectrum of Pneumocystis carinii infection in the acquired immunodeficiency syndrome. Ewing EP Jr, et al. **Prog AIDS Pathol** 1989;1:85–90 (33 ref.)
Pneumocystis carinii pneumonia in pulmonary pathology. van Maarsseveen TC. **Z Erkr Atmungsorgane** 1991; 176(2–3):140–5 (16 ref.)

PHYSIOPATHOLOGY

Pneumocystis carinii pneumonia in patients with the acquired immunodeficiency syndrome. Pathophysiology and therapy. Montgomery AB. **AIDS Clin Rev** 1991;:127–43 (37 ref.)

PREVENTION & CONTROL

Nebulized pentamidine as prophylaxis for Pneumocystis carinii pneumonia. Miller R, et al.
J Antimicrob Chemother 1991 Feb;27(2):153–7 (42 ref.)
[Prevention of pneumocystosis with pentamidine aerosols] Fraisse P, et al. **Presse Med** 1990 Nov 17;19(38):1762–6 (52 ref.) (Eng. Abstr.) **(Fre)**
[Aerosol-pentamidine for pneumocystis carinii pneumonia: development and 4-year personal experiences] Schmitt HJ, et al. **Pneumologie** 1990 Nov;44(11):1237–44 (84 ref.) **(Ger)**

RADIOGRAPHY

Pneumocystis carinii pneumonia and acquired immunodeficiency syndrome: an atypical presentation with lung cavitations. Praz JO, et al. **Eur Respir J** 1990 Nov; 3(10):1221–3 (11 ref.)

PNEUMONIA, PROGRESSIVE INTERSTITIAL, OF SHEEP

Ovine progressive pneumonia, caprine arthritis–encephalitis, and related lentiviral diseases of sheep and goats. Bulgin MS. **Vet Clin North Am Food Anim Pract** 1990 Nov; 6(3):691–704 (60 ref.)

ETIOLOGY

Pathogenesis of diffuse interstitial lung disease in sheep infected by Maedi–visna virus. Cordier G, et al.
Dev Biol Stand 1990;72:229–34 (40 ref.)
[Diffuse interstitial pneumopathies caused by lentivirus (HIV–1) in humans and animals] Mornex JF, et al.
Rev Mal Respir 1990;7(6):517–28 (93 ref.) (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Cellular regulation of visna virus gene expression and its role in pathogenesis. Clements JE, et al. **Dev Biol Stand** 1990; 72:207–12 (45 ref.)

PNEUMONIA, STAPHYLOCOCCAL

COMPLICATIONS

[Cavitated pneumonia and toxic shock syndrome: presentation of a case] Sánchez-Izquierdo Riera JA, et al. **Rev Clin Esp** 1990 May;186(9):444–6 (27 ref.) (Eng. Abstr.) **(Spa)**

PNEUMONIA, VIRAL

DIAGNOSIS

[Pneumonia in adults caused by the respiratory syncytial virus] de Gorgolas Hernández-Mora M, et al.
An Med Interna 1990 Sep;7(9):471–3 (25 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Treatment with acyclovir of varicella pneumonia in pregnancy. Broussard RC, et al. **Chest** 1991 Apr; 99(4):1045–7 (23 ref.)

EPIDEMIOLOGY

The burden of acute respiratory infection due to measles in developing countries and the potential impact of measles vaccine. Markowitz LE, et al. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S555–61 (63 ref.)

ETIOLOGY

Virologic and pathogenetic aspects of cytomegalovirus infection. Grundy JE. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S711–9 (61 ref.)
[Clinical, diagnostic and physiopathological aspects of cytomegalovirus pneumonia after bone marrow transplantation] Cordonnier C. **Rev Pneumol Clin** 1990; 46(6):244–50 (55 ref.) (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Viral pneumonitis. Ruben FL, et al. **Clin Chest Med** 1991 Jun;12(2):223–35 (88 ref.)

PREVENTION & CONTROL

Viral vaccines for the prevention of childhood pneumonia in developing nations: priorities and prospects. Steinhoff MC. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S562–70 (102 ref.)
Prevention of infections of the respiratory tract using the oral application of antigens. Tischner H.
Z Erkr Atmungsorgane 1991;176(2–3):131–7 (48 ref.)

THERAPY

Treatment of cytomegalovirus pneumonia in transplant patients. Reed EC. **Transplant Proc** 1991 Apr;23(2 Suppl 1):8–12 (39 ref.)

PNEUMONITIS, INTERSTITIAL see **PULMONARY FIBROSIS**

PNEUMONOLOGY see **PULMONARY DISEASE (SPECIALTY)**

PNEUMOPERICARDIUM

ETIOLOGY

Pneumopericardium and pneumomediastinum after polypectomy. Bakker J, et al. **Endoscopy** 1991 Jan; 23(1):46–7 (19 ref.)
[Pneumopyopericardium] Furtado A, et al.
Acta Med Port 1990 Jul–Aug;3(4):245–7 (9 ref.) (Eng. Abstr.) **(Por)**

PNEUMOPERITONEUM

Pneumoperitoneum. Ferrara BE, et al. **J Fla Med Assoc** 1991 Feb;78(2):81–4 (14 ref.)

DIAGNOSIS

[Spontaneous pneumopericardium. Review of the literature apropos of 2 cases in the young adult] Taupin JM, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84(1):117–21 (10 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

[A difficult therapeutic dilemma: pneumoperitoneum in severe blunt injuries treated by respiratory or cardiorespiratory resuscitation] Vu NH, et al.
J Chir (Paris) 1991 May;128(5):235–9 (24 ref.) (Eng. Abstr.) **(Fre)**

PNEUMOTHORAX

[Spontaneous pneumothorax in pregnancy: description of a case and review of the literature] Chiner E, et al.
An Med Interna 1990 Feb;7(2):86–8 (26 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Pneumothorax complicating small-bore feeding tube placement. Wendell GD, et al. **Arch Intern Med** 1991 Mar; 151(3):599–602 (16 ref.)
Pneumothorax: an unusual presentation of primary bronchogenic neoplasm. Mathew A, et al.
J Ky Med Assoc 1991 Jan;89(1):22–4 (8 ref.)
[Radiologic monitoring of the mechanically ventilated patient] Jantsch H, et al. **Klin Anasthesiol Intensivther** 1991; 39:134–68; discussion 169–82 (87 ref.) **(Ger)**
[Pneumothorax in cystic fibrosis] Aebersold A, et al.
Schweiz Med Wochenschr 1991 Feb 9;121(6):174–81 (34 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

[Spontaneous pneumothorax in pregnancy: a case report and review of the literature] Miyasita M, et al. **Kyobu Geka** 1991 Jul;44(7):576–8 (11 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

[Advances in the treatment of pneumothorax with pleural adhesion therapy] Deng GJ.
Chung Hua Chieh Ho Ho Hu Hsi Tsa Chih 1991 Feb; 14(1):42–3 (11 ref.) **(Chi)**
[Therapeutic pleurodesis in spontaneous pneumothorax, malignant pleural effusion, heart insufficiency and chylothorax] Storm HK, et al. **Ugeskr Laeger** 1991 Apr 1;153(14):989–92 (30 ref.) (Eng. Abstr.) **(Dan)**

PNEUMOTHORAX, ARTIFICIAL

Multiple primary carcinomas as sequelae of treatment of pulmonary tuberculosis with repeated induced pneumothoraces. Case report and review of the literature. Solan MJ. **Am J Clin Oncol** 1991 Feb;14(1):49–51 (25 ref.)

PODANGIUM see **MYXOBACTERALES**

PODIATRY

see related
FOOT DISEASES

Anesthetic considerations for pediatric podiatric surgery. Goode JG. **J Foot Surg** 1990 Sep–Oct;29(5):413–6 (40 ref.)

INSTRUMENTATION

Burring technique in modern podiatric palliative care. Master G, et al. **J Am Podiatr Med Assoc** 1990 Dec;80(12):649–52 (9 ref.)

PODOPHYLLIN

POISONING

[Accidental poisoning with podophyllin: a case with study of peripheral nerve] Chapon F, et al.
Rev Neurol (Paris) 1991;147(3):240–3 (18 ref.) (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Podophyllin therapy for condyloma acuminatum. Marcus J, et al. **Int J Dermatol** 1990 Dec;29(10):693–8 (69 ref.)

PODOPHYLLOTOXIN

ANALOGS & DERIVATIVES

Podophyllotoxin derivatives. D'Incalci M, et al.
Cancer Chemother Biol Response Modif 1990;11:82–9 (30 ref.)

PHARMACOLOGY

Epipodophyllotoxins: new laboratory and clinical findings. Muggia FM, et al. **Curr Opin Oncol** 1989 Dec;1(2):206–12 (26 ref.)

PODOPHYLLUM

ANALYSIS

The chemical and biological route from podophyllotoxin glucoside to etoposide: ninth Cain memorial Award lecture. Stähelin HF, et al. **Cancer Res** 1991 Jan 1;51(1):5–15 (86 ref.)

POIKILODERMA CONGENITALE

Poikiloderma congenitale: case report and review of the literature. Collins P, et al. **Pediatr Dermatol** 1991 Mar; 8(1):58–60 (13 ref.)

PATHOLOGY

[Rothmund–Thomson's syndrome—a case demonstrating prominent hyperkeratosis and literature review] Aso K, et al. **Nippon Hifuka Gakkai Zasshi** 1990 Oct; 100(11):1191–8 (53 ref.) (Eng. Abstr.) **(Jpn)**

POISONING

see related
ANTIDOTES

DIAGNOSIS

Poisonings in laboratory personnel and health care professionals. Binder L, et al. **Am J Emerg Med** 1991 Jan; 9(1):11–5 (59 ref.)
Difficult diagnoses in toxicology. Poisons not detected by the comprehensive drug screen. Wiley JF 2d.
Pediatr Clin North Am 1991 Jun;38(3):725–37 (84 ref.)

DRUG THERAPY

Current status of antidotal therapies in acute human intoxications. Lheureux P, et al. **Acta Clin Belg Suppl** 1990; 13:29–47 (145 ref.)
Results of multicenter studies of digoxin-specific antibody fragments in managing digitalis intoxication in the pediatric population. Woolf AD, et al. **Am J Emerg Med** 1991 Mar; 9(2 Suppl 1):16–20; discussion 33–4 (22 ref.)
Role of repeated doses of oral activated charcoal in the treatment of acute intoxications. McLuckie A, et al.
Anaesth Intensive Care 1990 Aug;18(3):375–84 (75 ref.)
Oral-activated charcoal. An old friend revisited. Alam AS, et al. **N J Med** 1991 Feb;88(2):103–5 (55 ref.)

EPIDEMIOLOGY

Risk factors and manifestations of digoxin toxicity in the elderly. Wofford JL, et al. **Am J Emerg Med** 1991 Mar; 9(2 Suppl 1):11–5; discussion 33–4 (68 ref.)

ETIOLOGY

Substance abuse: the designer drugs. Beebe DK, et al.
Am Fam Physician 1991 May;43(5):1689–98 (30 ref.)
[Acute poisoning caused by wood preservatives from the viewpoint of the Berlin (East) Central Toxicologic Information service] Liebenow H, et al.
Z Arztl Fortbild (Jena) 1991 Apr 25;85(8):385–8 (12 ref.) **(Ger)**

METABOLISM

Toxicokinetics in clinical toxicology. Jaeger A, et al.
Acta Clin Belg Suppl 1990;13:1–12 (17 ref.)

THERAPY

Emergency management of the acutely poisoned child/adolescent. McCarty DL, et al. **Indian J Pediatr** 1990 Mar–Apr;57(2):223–34 (15 ref.)

Extracorporeal techniques in the treatment of poisoned patients. Pond SM. **Med J Aust** 1991 May 6;154(9):617–22 (63 ref.)
Toxicologic emergencies. Barkin RM. **Pediatr Ann** 1990 Nov; 19(11):629–33 (5 ref.)
[Acute poisoning with household chemicals in childhood and their ambulatory medical treatment] Fanghänel K, et al. **Kinderarztl Prax** 1990 Sep;58(9):455–60 (11 ref.) (Eng. Abstr.) **(Ger)**

VETERINARY

Incidence and management of poisonings in livestock. Kerr LA. **Vet Hum Toxicol** 1990 Oct;32(5):475–6 (0 ref.)

POISONS

Chemical risks from nuclear waste repositories: review of the literature. Persson L. **Health Phys** 1990 Dec;59(6):915–7 (6 ref.)

PHARMACOKINETICS

Toxicokinetics in clinical toxicology. Jaeger A, et al. **Acta Clin Belg Suppl** 1990;13:1–12 (17 ref.)

POL I see **DNA POLYMERASE I**

POLAR RECOMBINATION see **GENE CONVERSION**

POLAR REGIONS see **COLD CLIMATE**

POLARIZATION FLUOROIMMUNOASSAY see **FLUOROIMMUNOASSAY**

POLARON see **GENE CONVERSION**

POLICY MAKING

see related
HEALTH POLICY
PUBLIC POLICY

Overlooked connections: policy development and implementation in state–local relations. Paul-Shaheen PA. **J Health Polit Policy Law** 1990 Winter;15(4):833–56 (22 ref.)

POLIOMYELITIS

see related
POSTPOLIOMYELITIS SYNDROME

COMPLICATIONS

Post-polio syndrome: concepts in clinical diagnosis, pathogenesis, and etiology. Dalakas M, et al. **Adv Neurol** 1991;56:495–511 (86 ref.)
Poliovirus and motor neuron disease. Martyn CN. **J Neurol** 1990 Oct;237(6):336–8 (29 ref.)

EPIDEMIOLOGY

Eradication of poliomyelitis: progress in the Americas. De Quadros CA, et al. **Pediatr Infect Dis J** 1991 Mar; 10(3):222–9 (37 ref.)
[Poliomyelitis: morbidity and prevention (a review of the literature)] Zadorozhnaia VI, et al. **Vrach Delo** 1991 Jan; (1):19–24 (29 ref.) **(Rus)**

PREVENTION & CONTROL

Perspectives on rapid elimination and ultimate global eradication of paralytic poliomyelitis caused by polioviruses [published erratum appears in Eur J Epidemiol 1991 May;7(3):310] Sabin AB. **Eur J Epidemiol** 1991 Mar; 7(2):95–120 (87 ref.)
Eradication of poliomyelitis: progress in the Americas. De Quadros CA, et al. **Pediatr Infect Dis J** 1991 Mar; 10(3):222–9 (37 ref.)
Remaining problems before eradication of poliomyelitis can be accomplished. Hovi T. **Prog Med Virol** 1991;38:69–95 (64 ref.)
Global eradication of poliomyelitis: recent progress, future prospects, and new research priorities. Lemon SM, et al. **Prog Med Virol** 1991;38:42–55 (32 ref.)
New picornavirus vaccines for hepatitis A, and lessons from the control of poliomyelitis by the prototype picornavirus vaccines. Melnick JL. **Prog Med Virol** 1990;37:47–55 (72 ref.)
Vaccinations in the health strategies of developing countries. Henderson RH. **Scand J Infect Dis Suppl** 1990;76:7–14 (3 ref.)
[The way to wipe out poliomyelitis in China. Promoting administration and research, maintaining high vaccination rate and enhancing surveillance] Wang K. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1991 Apr; 12(2):121–3 (0 ref.) **(Chi)**
[Strategy of eliminating poliomyelitis worldwide] Yang BP. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1991 Feb; 12(1):47–52 (0 ref.) **(Chi)**

POLIOVIRUS

Perspectives on rapid elimination and ultimate global eradication of paralytic poliomyelitis caused by polioviruses [published erratum appears in Eur J Epidemiol 1991 May;7(3):310] Sabin AB. **Eur J Epidemiol** 1991 Mar; 7(2):95–120 (87 ref.)
Poliovirus and motor neuron disease. Martyn CN. **J Neurol** 1990 Oct;237(6):336–8 (29 ref.)

IMMUNOLOGY

Antigenic structure of poliovirus. Minor PD. **Microbiol Sci** 1986 May;3(5):141–4 (12 ref.)
Antigen chimeras of poliovirus. Burke KL, et al. **Prog Med Virol** 1991;38:56–68 (24 ref.)

ISOLATION & PURIFICATION

[Circulation of polioviruses in abiotic objects (review)] Bondarenko VI, et al. **Gig Sanit** 1991 Feb;(2):21–4 (67 ref.) **(Rus)**

POLIOVIRUS VACCINE

Production of poliovirus vaccines: past, present, and future. Duchene M, et al. **Viral Immunol** 1990 Winter;3(4):243–72 (101 ref.)

POLIOVIRUS VACCINE, ORAL

[The way to wipe out poliomyelitis in China. Promoting administration and research, maintaining high vaccination rate and enhancing surveillance] Wang K. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1991 Apr; 12(2):121–3 (0 ref.) **(Chi)**

POLISHES, DENTAL see **DENTIFRICES**

POLITEF see **POLYTETRAFLUOROETHYLENE**

POLITICAL ACTIVITY see **POLITICS**

POLITICAL SYSTEMS

The ethics of using scientific data obtained by immoral means. Rosner F, et al. **N Y State J Med** 1991 Feb;91(2):54–9 (34 ref.)
Within and without: images of community and implications for South African psychology. Butchart A, et al. **Soc Sci Med** 1990;31(10):1093–102 (46 ref.)
The increasing number of very old people will change the Swedish model of the welfare state. Thorslund M. **Soc Sci Med** 1991;32(4):455–64 (45 ref.)

POLITICS

Epidemics and agendas: the politics of nightly news coverage of AIDS. Colby DC, et al. **J Health Polit Policy Law** 1991 Summer;16(2):215–49 (51 ref.)
The study of intergenerational intimacy in North America: beyond politics and pedophilia. Jones GP. **J Homosex** 1990; 20(1–2):275–95 (110 ref.)

POLLEN

see related
HAY FEVER

ANALYSIS

Florida pollen review. Jelks ML. **Allergy Proc** 1990 Nov–Dec;11(6):273–80 (15 ref.)

GENETICS

Molecular biology of rye-grass pollen allergens. Singh MB, et al. **Monogr Allergy** 1990;28:101–20 (63 ref.)

IMMUNOLOGY

Molecular genetics of human immune responsiveness to pollen allergens. Marsh DG, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:168–72 (24 ref.)
The structural requirements of epitopes with IgE binding capacity demonstrated by three major allergens from fish, egg and tree pollen. Elsayed S, et al. **Scand J Clin Lab Invest Suppl** 1991;204:17–31 (65 ref.)

PHYSIOLOGY

Pollen deposition in intrathoracic airways. Driessen MN, et al. **Eur Respir J** 1991 Mar;4(3):359–63 (49 ref.)

POLONIUM

TOXICITY

Risks from radon progeny exposure: what we know, and what we need to know. Guilmette RA, et al. **Annu Rev Pharmacol Toxicol** 1991;31:569–601 (197 ref.)

POLY A

GENETICS

Poly(A) signals. Proudfoot N. **Cell** 1991 Feb 22;64(4):671–4 (28 ref.)
Tales of poly(A): a review. Munroe D, et al. **Gene** 1990 Jul 16;91(2):151–8 (93 ref.)

METABOLISM

The role of poly(A) in the translation and stability of mRNA. Sachs A. **Curr Opin Cell Biol** 1990 Dec;2(6):1092–8 (22 ref.)

POLY ADENOSINE DIPHOSPHATE RIBOSE

METABOLISM

The poly-ADP-ribosylation system of higher eukaryotes: a protein shuttle mechanism in chromatin? Althaus FR, et al. **Acta Biol Hung** 1990;41(1–3):9–18 (12 ref.)
Relation between carcinogenesis, chromatin structure and poly(ADP-ribosylation) (review). Boulikas T. **Anticancer Res** 1991 Mar–Apr;11(2):489–527 (410 ref.)
New targets for cancer chemotherapy--poly(ADP-ribosylation) processing and polyisoprene metabolism. Alderson T. **Biol Rev Camb Philos Soc** 1990 Nov;65(4):623–41 (91 ref.)

POLY ADP RIBOSE see **POLY ADENOSINE DIPHOSPHATE RIBOSE**

POLY ADP RIBOSE POLYMERASE

METABOLISM

[ADP ribosylation of actin--a cytotoxic principle of bacterial toxins] Just I, et al. **Immun Infekt** 1991 Feb;19(1):18–21 (69 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Poly(ADP-ribose)polymerase: a perplexing participant in cellular responses to DNA breakage. Cleaver JE, et al. **Mutat Res** 1991 Jan;257(1):1–18 (146 ref.)

POLY ADP RIBOSE SYNTHETASE see **POLY ADP RIBOSE POLYMERASE**

POLY(LACTIDE-CO-GLYCOSIDE) see **POLYGLACTIN 910**

POLYADENYLIC ACIDS see **POLY A**

POLYAMINES

CHEMICAL SYNTHESIS

Chemical synthesis of bioactive polyamines from solanaceous plants. Thiengchanya A, et al. **Ciba Found Symp** 1990; 154:99–109; discussion 109–11 (15 ref.)

CHEMISTRY

Polyamine--DNA nexus: structural ramifications and biological implications. Balasundaram D, et al. **Mol Cell Biochem** 1991 Feb 2;100(2):129–40 (103 ref.)

METABOLISM

Role of polyamines in gastrointestinal mucosal growth [editorial] McCormack SA, et al. **Am J Physiol** 1991 Jun; 260(6 Pt 1):G795–806 (159 ref.)
Potential therapeutic exploitation of the pulmonary polyamine uptake system. Cohen GM, et al. **Biochem Soc Trans** 1990 Oct;18(5):743–5 (28 ref.)
Polyamine-mediated control of ornithine decarboxylase and S-adenosylmethionine decarboxylase expression in mammalian cells. Heby O, et al. **Biochem Soc Trans** 1990 Dec;18(6):1084–7 (39 ref.)
Polyamines in intestinal growth. Luk GD. **Biochem Soc Trans** 1990 Dec;18(6):1090–1 (26 ref.)
Polyamines and cellular regulation: perspectives. Morgan DM. **Biochem Soc Trans** 1990 Dec;18(6):1080–4 (115 ref.)
Polyamine membrane transport regulation. Khan NA, et al. **Cell Biol Int Rep** 1991 Jan;15(1):9–24 (78 ref.)
Polyamines and hormonal control of breast cancer growth. Manni A. **Crit Rev Oncog** 1989;1(2):163–74 (68 ref.)
Killer polyamines? Coffino P, et al. **J Cell Biochem** 1991 Jan; 45(1):54–8 (24 ref.)
Management of polyamine pools and the regulation of ornithine decarboxylase. Davis RH. **J Cell Biochem** 1990 Dec;44(4):199–205 (31 ref.)
Implications and concepts of polyamine-nucleic acid interactions. Feuerstein BG, et al. **J Cell Biochem** 1991 May;46(1):37–47 (60 ref.)
Directions for polyamine research. Marton LJ, et al. **J Cell Biochem** 1991 Jan;45(1):7–8 (0 ref.)

PHARMACOLOGY

Modulation of the NMDA receptor by polyamines. Williams K, et al. **Life Sci** 1991;48(6):469–98 (156 ref.)

TOXICITY

[Health-related properties of polyamines (review)] Sheftel' VO. **Gig Sanit** 1991 Apr;(4):29–31 (19 ref.) **(Rus)**

POLYAMINES, BIOGENIC see **BIOGENIC POLYAMINES**

POLYANGIACEAE see **MYXOBACTERALES**

POLYANGIUM see MYXOBACTERALES

POLYARTERITIS NODOSA see PERIARTERITIS NODOSA

POLYCARBOXYLATE CEMENT

CHEMISTRY

Luting cements: a review and comparison. Oilo G. **Int Dent J** 1991 Apr;41(2):81–8 (30 ref.)

POLYCHEMOTHERAPY see DRUG THERAPY, COMBINATION

POLYCHLOROBIPHENYL COMPOUNDS

ADVERSE EFFECTS

[Hygienic significance of late effects of chemical substances and their standardization (review of the literature)] Riazanova RA. **Gig Sanit** 1990 Nov;(11):72–5 (34 ref.) **(Rus)**

ANALYSIS

Role of FDA in establishing tolerable levels for dioxin and PCBs in aquatic organisms. Boyer IJ, et al. **J Toxicol Environ Health** 1991 May;33(1):93–101 (21 ref.)

Organochlorine pesticides and polychlorinated biphenyls in human adipose tissue. Kutz FW, et al. **Rev Environ Contam Toxicol** 1991;120:1–82 (153 ref.)

[Breast feeding, PCBs and dioxins] Koppe JG, et al. **Tijdschr Kindergeneeskd** 1991 Feb;59(1):9–15 (25 ref.) (Eng. Abstr.) **(Dut)**

POISONING

Effects of organochlorine chemicals on the reproductive outcome of humans who consumed contaminated Great Lakes fish: an epidemiologic consideration. Swain WR. **J Toxicol Environ Health** 1991 Aug;33(4):587–639 (89 ref.)

TOXICITY

Polychlorinated biphenyls (PCBs), dibenzo-p-dioxins (PCDDs), dibenzofurans (PCDFs), and related compounds: environmental and mechanistic considerations which support the development of toxic equivalency factors (TEFs). Safe S. **Crit Rev Toxicol** 1990;21(1):51–88 (387 ref.)

Promotion of mouse lung tumors by bioaccumulated polychlorinated aromatic hydrocarbons. Anderson LM, et al. **Exp Lung Res** 1991 Mar–Apr;17(2):455–71 (37 ref.)

The case for a cause–effect linkage between environmental contamination and development in eggs of the common snapping turtle (Chelydra S.serpentina) from Ontario, Canada. Bishop CA, et al. **J Toxicol Environ Health** 1991 Aug;33(4):521–47 (54 ref.)

Cause–effect linkages between chemicals and populations of mink (Mustela vison) and otter (Lutra canadensis) in the Great Lakes basin. Wren CD. **J Toxicol Environ Health** 1991 Aug;33(4):549–85 (104 ref.)

POLYCHLOROETHYLENE see POLYVINYL CHLORIDE

POLYCHONDRITIS, RELAPSING

Polychondritis. Herman JH. **Curr Opin Rheumatol** 1991 Feb; 3(1):28–31 (22 ref.)

[Cardiovascular complications in chronic atrophic polychondritis. Apropos of an anatomo-clinical case. Review of the literature] Mainguéné C, et al. **Ann Cardiol Angeiol (Paris)** 1991 Feb;40(2):97–102 (15 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Airway complications in relapsing polychondritis. Eng J, et al. **Ann Thorac Surg** 1991 Apr;51(4):686–92 (56 ref.)

Relapsing polychondritis and Reiter's syndrome. Silva J, et al. **J Rheumatol** 1991 Jun;18(6):908–10 (15 ref.)

[Cardiovascular complications in chronic atrophic polychondritis. Apropos of an anatomo-clinical case. Review of the literature] Mainguéné C, et al. **Ann Cardiol Angeiol (Paris)** 1991 Feb;40(2):97–102 (15 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Polychondritis and Behçet's disease. Miller PK, et al. **Curr Opin Rheumatol** 1990 Feb;2(1):70–5 (33 ref.)

[Relapsing polychondritis and cartilage] Janin A, et al. **Rev Rhum Mal Osteoartic** 1991 Apr;58(4):283–6 (35 ref.) (Eng. Abstr.) **(Fre)**

POLYCYCLIC HYDROCARBONS

ADVERSE EFFECTS

[The role of aromatic hydrocarbon hydroxylase in the pathogenesis of lung cancer] Pilarska-Machowicz A. **Pol Tyg Lek** 1990 Apr 2–9;45(14–15):303–7 (44 ref.) (Eng. Abstr.) **(Pol)**

[Bioactivation of xenobiotics by cytochrome P-448 and its role in the process of carcinogenesis] Lutz W, et al. **Postepy Hig Med Dosw** 1989;43(5–6):511–39 (76 ref.) (Eng. Abstr.) **(Pol)**

ANALYSIS

Importance of exposure to gaseous and particulate phase components of tobacco smoke in active and passive smokers. Scherer G, et al. **Int Arch Occup Environ Health** 1990;62(6):459–66 (39 ref.)

CHEMISTRY

The formation and occurrence of polynuclear aromatic hydrocarbons associated with food. Lijinsky W. **Mutat Res** 1991 Mar–Apr;259(3–4):251–61 (42 ref.)

METABOLISM

Electrophilic sulfuric acid ester metabolites of hydroxy-methyl aromatic hydrocarbons as precursors of hepatic benzylic DNA adducts in vivo. Miller JA, et al. **Adv Exp Med Biol** 1991;283:555–67 (35 ref.)

Role of cytochrome P-450 monooxygenases in the activation of chemical carcinogens. Gil L, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):135–43 (36 ref.)

Metabolism of nitro-polycyclic aromatic hydrocarbons. Fu PP. **Drug Metab Rev** 1990;22(2–3):209–68 (229 ref.)

DNA adduct formation in human and mouse skin by mixtures of polycyclic aromatic hydrocarbons. Phillips DH, et al. **IARC Sci Publ** 1990;(104):223–9 (15 ref.)

PHARMACOKINETICS

Disposition of xenobiotic chemicals and metabolites in marine organisms. Varanasi U, et al. **Environ Health Perspect** 1991 Jan;90:93–100 (33 ref.)

PHARMACOLOGY

Serenics: an introduction. Olivier B, et al. **Drug Metabol Drug Interact** 1990;8(1–2):1–9 (11 ref.)

THERAPEUTIC USE

Possible clinical applications of serenics and some implications of their preclinical profile for their clinical use in psychiatric disorders. Rasmussen DL, et al. **Drug Metabol Drug Interact** 1990;8(1–2):159–86 (131 ref.)

TOXICITY

Radical cations in aromatic hydrocarbon carcinogenesis. Cavalieri EL, et al. **Free Radic Res Commun** 1990; 11(1–3):77–87 (57 ref.)

Relative significance of different hydrocarbons for the carcinogenic potency of emissions from various incomplete combustion processes. Pott F, et al. **IARC Sci Publ** 1990; (104):288–97 (35 ref.)

Mechanism of action of food-associated polycyclic aromatic hydrocarbon carcinogens. Dipple A, et al. **Mutat Res** 1991 Mar–Apr;259(3–4):263–76 (76 ref.)

Polycyclic aromatic hydrocarbon carcinogens. Dipple A, et al. **Prog Clin Biol Res** 1990;347:109–27 (48 ref.)

Rules of molecular geometry for predicting carcinogenic activity of unsubstituted polynuclear aromatic hydrocarbons. Flesher JW, et al. **Teratogenesis Carcinog Mutagen** 1991;11(1):41–54 (67 ref.)

[Environmental health related evaluation of halogenated organic compounds] Dieter HH. **Schriftenr Ver Wasser Boden Lufthyg** 1990;82:23–36 (23 ref.) **(Ger)**

POLYCYSTIC OVARY SYNDROME

Hyperandrogenic disorders. Barbieri RL. **Clin Obstet Gynecol** 1990 Sep;33(3):640–54 (33 ref.)

Polycystic ovary syndrome. Cheung AP, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):655–67 (22 ref.)

Polycystic ovary syndrome. Shelley DR, et al. **Compr Ther** 1990 Nov;16(11):26–34 (26 ref.)

BLOOD

Endocrinological environment of polycystic ovarian disease. Tanaka T, et al. **Horm Res** 1990;33 Suppl 2:5–9 (22 ref.)

COMPLICATIONS

Domperidone-induced acute dystonia and polycystic ovary syndrome. Bonuccelli U, et al. **Mov Disord** 1991;6(1):79–81 (29 ref.)

[Contribution of pure FSH in ovulation induction excluding fertilization in vitro] Buvat J, et al. **Rev Fr Gynecol Obstet** 1991 Feb 15;86(2):91–6 (29 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Current aspects of the diagnosis of the sclerocystic ovary syndrome] Pamfamirov IuK, et al. **Akush Ginekol (Mosk)** 1991 Feb;(2):20–3 (57 ref.) **(Rus)**

DRUG THERAPY

Low dose follicle-stimulating hormone therapy for polycystic ovarian disease [editorial] Meldrum DR. **Fertil Steril** 1991 Jun;55(6):1039–40 (11 ref.)

ETIOLOGY

Polycystic ovarian disease. Barbieri RL. **Annu Rev Med** 1991; 42:199–204 (21 ref.)

[Hirsutism and androgenic menstrual cycle irregularities] Carol W, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25; 85(3–4):153–7 (9 ref.) **(Ger)**

[The current concept of the pathogenesis, diagnosis and treatment of the polycystic ovary syndrome] Ataniiazova OA, et al. **Akush Ginekol (Mosk)** 1990 Sep;(9):9–12 (64 ref.) **(Rus)**

PHYSIOPATHOLOGY

Pathophysiology of polycystic ovary syndrome. Overview. Taketani Y. **Horm Res** 1990;33 Suppl 2:3–4 (14 ref.)

The ubiquitous polycystic ovary. Franks S. **J Endocrinol** 1991 Jun;129(3):317–9 (34 ref.)

THERAPY

Ovarian electrocautery or hormone therapy in the treatment of polycystic ovary syndrome. Vaughan Williams CA. **Clin Endocrinol (Oxf)** 1990 Nov;33(5):569–72 (31 ref.)

Polycystic ovarian disease. Fox R. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):370–7 (43 ref.)

POLYCYTHEMIA

Neonatal polycythemia—issues and current perspectives. Singh S, et al. **Indian J Pediatr** 1990 Sep–Oct;57(5):615–20 (25 ref.)

Polycythaemia. Boughton B. **Practitioner** 1990 Jul 16; 234(1492):728–30 (0 ref.)

DIAGNOSIS

[Determination of erythropoietin activity in serum. Methods, indications and interpretation of the data] Jelkmann W, et al. **Dtsch Med Wochenschr** 1991 Feb 8;116(6):230–4 (38 ref.) **(Ger)**

[The clinical significance of secondary erythrocytosis] Semenenia IN, et al. **Ter Arkh** 1990;62(7):140–3 (30 ref.) **(Rus)**

POLYCYTHEMIA VERA

Polycythemia vera and other polycythemic states. Landaw SA. **Clin Lab Med** 1990 Dec;10(4):857–71 (51 ref.)

COMPLICATIONS

Myelodysplastic transformation of polycythemia vera: case report and review of the literature. Shamdas GJ, et al. **Am J Hematol** 1991 May;37(1):45–8 (20 ref.)

[Neurologic manifestations of polycythemia vera. Analysis of 24 cases and review of the literature] Corredoira Sánchez JC, et al. **An Med Interna** 1990 Feb;7(2):67–70 (37 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

[Trace elements in the human body and their physiological significance and levels in proliferative diseases of the hematopoietic system] Deptala A. **Pol Tyg Lek** 1989 Oct 2–16;44(40–42):892–5 (33 ref.) **(Pol)**

URINE

[Urinary N-acetyl-beta-D-glucosaminidase activity in healthy, polycythemic and hypoxic newborn infants] Csáthy L, et al. **Orv Hetil** 1991 Mar 3;132(9):451–5 (31 ref.) (Eng. Abstr.) **(Hun)**

POLYDEOXYRIBONUCLEOTIDES

PHARMACOLOGY

The pharmacology and clinical pharmacology of defibrotide: a new profibrinolytic, antithrombotic and anti-platelet substance. Ulutin ON, et al. **Adv Exp Med Biol** 1990; 281:429–38 (54 ref.)

THERAPEUTIC USE

Cardioprotective effects of defibrotide: a minireview. Pescador R, et al. **Semin Thromb Hemost** 1991;17 Suppl 1:96–100 (37 ref.)

POLYENES

CHEMISTRY

Rapamycin: FK506's fraternal twin or distant cousin? Morris RE. **Immunol Today** 1991 May;12(5):137–40 (27 ref.)

PHARMACOLOGY

Pharmacology of rapamycin: a new immunosuppressive agent. Chang JY, et al. **Br J Rheumatol** 1991;30 Suppl 2:62–5 (18 ref.)

When worlds collide: immunosuppressants meet protein phosphatases. McKeon F. **Cell** 1991 Sep 6;66(5):823–6 (28 ref.)

Preclinical evaluation of a new potent immunosuppressive agent, rapamycin. Kahan BD, et al. **Transplantation** 1991

POLYENES

Aug;52(2):185–91 (48 ref.)
FK506 and rapamycin: novel pharmacological probes of the immune response. Chang JY, et al. **Trends Pharmacol Sci** 1991 Jun;12(6):218–23 (36 ref.)

TOXICITY

Laboratory and epidemiologic studies of fecapentaenes. Povey AC, et al. **Mutat Res** 1991 Mar–Apr;259(3–4):387–97 (50 ref.)
Genotoxic mechanisms of fecapentaene–12 in human cells. Povey AC, et al. **Prog Clin Biol Res** 1990;347:155–66 (19 ref.)

POLYERGIN see **TRANSFORMING GROWTH FACTOR BETA**

POLYESTERS

Plastics from bacteria and for bacteria: poly(beta–hydroxyalkanoates) as natural, biocompatible, and biodegradable polyesters. Brandl H, et al. **Adv Biochem Eng Biotechnol** 1990;41:77–93 (133 ref.)

METABOLISM

Biosynthesis and composition of bacterial poly(hydroxyalkanoates). Anderson AJ, et al. **Int J Biol Macromol** 1990 Apr;12(2):102–5 (16 ref.)
Occurrence, metabolism, metabolic role, and industrial uses of bacterial polyhydroxyalkanoates. Anderson AJ, et al. **Microbiol Rev** 1990 Dec;54(4):450–72 (176 ref.)
Physiology and molecular genetics of poly(beta–hydroxy–alkanoic acid) synthesis in Alcaligenes eutrophus. Steinbüchel A, et al. **Mol Microbiol** 1991 Mar; 5(3):535–42 (50 ref.)

TOXICITY

Toxicology and biocompatibility considerations in the evaluation of polymeric materials for biomedical applications. Laurencin CT, et al. **Clin Lab Med** 1990 Sep; 10(3):549–70 (100 ref.)

POLYETHYLENE GLYCOLS

[Chemical modification of proteins with polyethylene glycol (PEG): approach to new protein drugs] Inada Y, et al. **Seikagaku** 1990 Nov;62(11):1351–62 (100 ref.) **(Jpn)**

THERAPEUTIC USE

Antitumor enzyme: polyethylene glycol–modified asparaginase. Wada H, et al. **Ann N Y Acad Sci** 1990; 613:95–108 (17 ref.)

POLYETHYLENE TEREPHTHALATE

ADVERSE EFFECTS

Angiosarcoma at the site of a Dacron vascular prosthesis: a case report and literature review. Weiss WM, et al. **J Vasc Surg** 1991 Jul;14(1):87–91 (13 ref.)

POLYETHYLENES

[Tribologic study of hip prostheses] Teinturier P, et al. **Rev Chir Orthop** 1990;76(6):383–90 (26 ref.) (Eng. Abstr.) **(Fre)**

STANDARDS

Comparison of the mechanical and histologic properties of Achilles tendons in New Zealand white rabbits secondarily repaired with Marlex mesh. Hosey G, et al. **J Foot Surg** 1991 May–Jun;30(3):214–33 (107 ref.)

POLYGALACTOSES see **GALACTANS**

POLYGLACTIN 910

STANDARDS

[Soluble synthetic suture materials] Chkhikvadze TF, et al. **Khirurgiia (Mosk)** 1990 Dec;(12):154–8 (84 ref.) **(Rus)**

POLYGLUCOSES see **GLUCANS**

POLYGLYCOLIC ACID

STANDARDS

[Soluble synthetic suture materials] Chkhikvadze TF, et al. **Khirurgiia (Mosk)** 1990 Dec;(12):154–8 (84 ref.) **(Rus)**

POLYGONUM see **PLANTS, MEDICINAL**

POLYHYDRAMNIOS

DRUG THERAPY

Indomethacin therapy in the treatment of symptomatic polyhydramnios. Moise KJ Jr. **Clin Obstet Gynecol** 1991 Jun;34(2):310–8 (37 ref.)
Maternal, fetal, and neonatal physiology in pregnancy. Gilbert WM. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):4–7 (12 ref.)

POLYISOCYANATES see **POLYURETHANES**

POLYISOPRENYL PHOSPHATES

METABOLISM

Posttranslational modification of proteins by isoprenoids in mammalian cells. Maltese WA. **FASEB J** 1990 Dec; 4(15):3319–28 (66 ref.)

POLYKARYOCYTES see **GIANT CELLS**

POLYMENORRHEA see **MENSTRUATION DISORDERS**

POLYMERASE CHAIN REACTION

A biochemical perspective of the polymerase chain reaction. Bloch W. **Biochemistry** 1991 Mar 19;30(11):2735–47 (185 ref.)
The polymerase chain reaction: a new tool for the detection of minimal residual disease in haematological malignancies. Fey MF, et al. **Eur J Cancer** 1991;27(1):89–94 (54 ref.)
Applications of the polymerase chain reaction to genome analysis. Rose EA. **FASEB J** 1991 Jan;5(1):46–54 (45 ref.)
PCR analysis of DNA sequences in single cells: single sperm gene mapping and genetic disease diagnosis. Arnheim N, et al. **Genomics** 1990 Nov;8(3):415–9 (18 ref.)
Application of the polymerase chain reaction for detection of minimal residual disease of hematologic malignancies. Roth MS, et al. **Henry Ford Hosp Med J** 1991;39(2):112–6 (38 ref.)
Diagnosis of tuberculosis by polymerase chain reaction. Rattan A. **Indian J Pediatr** 1990 Sep–Oct;57(5):673–7 (15 ref.)
The technique of polymerase chain reaction--a new diagnostic tool in microbiology and other scientific fields (review). Thiele D. **Int J Med Microbiol** 1990 Sep; 273(4):431–54 (97 ref.)
New strategies in microbiological diagnosis. Pallen MJ, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:147–58 (66 ref.)
The polymerase chain reaction (PCR): a valuable method for retroviral detection. Sninsky JJ. **Lymphology** 1990 Jun; 23(2):92–7 (6 ref.)
Multiple sclerosis, retroviruses, and PCR. The HTLV–MS Working Group. Ehrlich GD, et al. **Neurology** 1991 Mar; 41(3):335–43 (105 ref.)
A mammalian mutation system avoiding phenotypic selection: the RFLP/PCR approach. Zijlstra J, et al. **Prog Clin Biol Res** 1990;347:187–200 (40 ref.)
The polymerase chain reaction. Carman WF. **Q J Med** 1991 Mar;78(287):195–203 (65 ref.)
The polymerase chain reaction: amplifying our options. Peter JB. **Rev Infect Dis** 1991 Jan–Feb;13(1):166–71 (50 ref.)
Recent advances in the polymerase chain reaction. Erlich HA, et al. **Science** 1991 Jun 21;252(5013):1643–51 (98 ref.)
Methodologies for in vitro nucleic acid amplification and their applications. Gingeras TR, et al. **Vet Microbiol** 1990 Sep;24(3–4):235–51 (30 ref.)
[Polymerase chain reaction (PCR). A technology in full progress] Baze PE, et al. **Ann Dermatol Venereol** 1990; 117(10):741–6 (46 ref.) **(Fre)**
[The amplification of nucleotide sequences by PCR and the new technics for molecular diagnosis] Goossens M. **Reprod Nutr Dev** 1990;Suppl 1:117s–124s (29 ref.) (Eng. Abstr.) **(Fre)**
[The polymerase chain reaction in the diagnosis of mycobacteria] Böttger EC. **Dtsch Med Wochenschr** 1991 May 17;116(20):777–9 (14 ref.) **(Ger)**
[Polymerase chain reaction: an overview] Linz U, et al. **Naturwissenschaften** 1990 Nov;77(11):515–30 (53 ref.) (Eng. Abstr.) **(Ger)**
[DNA diagnosis in veterinary medicine: II. Polymerase chain reaction (PCR)] Hübscher U. **Schweiz Arch Tierheilkd** 1991;133(1):27–31 (23 ref.) (Eng. Abstr.) **(Ger)**
[DNA amplification (polymerase chain reaction) in microbiological diagnosis] Garcia de Lomas J, et al. **Enferm Infecc Microbiol Clin** 1990 Nov;8(9):574–83 (41 ref.) **(Spa)**

METHODS

Genome mapping: PCR based meiotic and somatic cell hybrid analysis. Cox RD, et al. **Bioessays** 1991 Apr; 13(4):193–8 (21 ref.)
The use of the polymerase chain reaction for the detection of minimal residual malignant disease [editorial] Negrin RS, et al. **Blood** 1991 Jul 15;78(2):255–8 (30 ref.)
The polymerase chain reaction and related techniques. Lew AM. **Curr Opin Immunol** 1991 Apr;3(2):242–6 (38 ref.)
Application of the polymerase chain reaction (PCR) to detection of the aerolysin gene in whole cell cultures of beta–hemolytic Aeromonas hydrophila. Lior H, et al. **Experientia** 1991 May 15;47(5):421–4 (13 ref.)
The polymerase chain reaction: miracle or mirage? A critical review of its uses and limitations in diagnosis and research. Wright PA, et al. **J Pathol** 1990 Oct;162(2):99–117 (185 ref.)
[The polymerase chain reaction used in microbiologic diagnosis] Ostergaard LJ, et al. **Ugeskr Laeger** 1991 Jan 7;153(2):91–4 (30 ref.) (Eng. Abstr.) **(Dan)**
[Importance of genetic techniques for diagnosis] Afting EG, et al. **Verh Dtsch Ges Inn Med** 1990;96:431–8 (12 ref.) **(Ger)**
[PCR: DNA amplification from histological sections] Rabes H, et al. **Verh Dtsch Ges Pathol** 1990;74:301–18 (45 ref.) (Eng. Abstr.) **(Ger)**
[DNA analysis and prenatal diagnosis in cystic fibrosis] Schnedl W, et al. **Wien Klin Wochenschr** 1991;103(2):29–33 (29 ref.) (Eng. Abstr.) **(Ger)**
[Detection of HTLV–I gene expression by using the polymerase chain reaction] Kinoshita T, et al. **Nippon Rinsho** 1990 Nov;48(11):2703–9 (20 ref.) **(Jpn)**
[PCR--a highly sensitive method for identification and study of virus infections] Wadell G, et al. **Lakartidningen** 1990 Nov 21;87(47):3984–6, 3990 (33 ref.) (Eng. Abstr.) **(Swe)**

UTILIZATION

Polymerase chain reaction: trenches to benches. Persing DH. **J Clin Microbiol** 1991 Jul;29(7):1281–5 (28 ref.)

POLYMERS

see related
MACROMOLECULAR SYSTEMS

Adsorption of ions, polyelectrolytes and proteins. Stuart MA, et al. **Adv Colloid Interface Sci** 1991 Jan;34:477–535 (85 ref.)
Drug delivery to the brain using polymers. Domb A, et al. **Crit Rev Ther Drug Carrier Syst** 1991;8(1):1–17 (98 ref.)
Polymeric controlled release systems. Braybrook JH, et al. **Drug Des Deliv** 1990 Jun;6(2):73–86 (213 ref.)
Polysulfone intracorneal lenses. Lane SS, et al. **Int Ophthalmol Clin** 1991 Winter;31(1):37–46 (28 ref.)
Role of host and bacterial factors in modulating staphylococcal adhesion to implanted polymer surfaces. Vaudaux P, et al. **J Biomater Appl** 1990 Oct;5(2):134–53 (57 ref.)
Interactions of biospecific functional polymers with blood proteins and cells. Jozefonvicz J, et al. **J Biomater Sci Polym Ed** 1990;1(3):147–65 (61 ref.)
Transplantation of polymer encapsulated neurotransmitter secreting cells: effect of the encapsulation technique. Aebischer P, et al. **J Biomech Eng** 1991 May;113(2):178–83 (49 ref.)
Tissue engineering by cell transplantation using degradable polymer substrates. Cima LG, et al. **J Biomech Eng** 1991 May;113(2):143–51 (79 ref.)
Biocompatible controlled release polymers for delivery of polypeptides and growth factors. Langer R, et al. **J Cell Biochem** 1991 Apr;45(4):340–5 (26 ref.)
New aspects in the pathogenesis and prevention of polymer–associated foreign–body infections caused by coagulase–negative staphylococci. Jansen B, et al. **J Invest Surg** 1989;2(4):361–80 (91 ref.)
Biologically inert synthetic dural substitutes. Appraisal of a medical–grade aliphatic polyurethane and a polysiloxane–carbonate block copolymer. Sakas DE, et al. **J Neurosurg** 1990 Dec;73(6):936–41 (54 ref.)
Leachable components in polymeric medical implants and disposables: a brief critical review. Bruck SD. **Med Prog Technol** 1990;16(3):131–43 (54 ref.)
Some laboratory experimental designs for obtaining dynamic property data on dioxins. Altwicker ER. **Sci Total Environ** 1991 May 1;104(1–2):47–72 (57 ref.)
[Parenteral depot drug forms with a base of biodegradable polymers] Mank R, et al. **Pharmazie** 1991 Jan;46(1):9–18 (151 ref.) **(Ger)**
[Implants in reconstructive surgery of the nasal bone] Trybus M. **Polim Med** 1990;20(1–4):15–23 (57 ref.) (Eng. Abstr.) **(Pol)**

ADMINISTRATION & DOSAGE

Targetable polymeric anticancer drugs. Temporal control of drug activity. Kopeček J. **Ann N Y Acad Sci** 1991; 618:335–44 (38 ref.)
Real time response polymeric delivery systems. Langer R, et al. **Ann N Y Acad Sci** 1991;618:330–4 (25 ref.)

ANALYSIS

Determination of dioxins and furans in foods and biological tissues: review and update. Firestone D. **J Assoc Off Anal Chem** 1991 Mar–Apr;74(2):375–84 (109 ref.)

CHEMISTRY

Bacterial polymers: physicochemical aspects of their interactions at interfaces. Neu TR, et al. **J Biomater Appl** 1990 Oct;5(2):107–33 (159 ref.)
Atmospheric lifetimes of dibenzo–p–dioxins and dibenzofurans. Atkinson R. **Sci Total Environ** 1991 May 1;104(1–2):17–33 (71 ref.)
[Hemocompatible polymers] Costa Novella E. **An R Acad Nac Med (Madr)** 1990;107(2):367–86 (65 ref.) **(Spa)**

DIAGNOSTIC USE

The antibody–linked chelating polymers for nuclear therapy and diagnostics. Torchilin VP, et al. **Crit Rev Ther Drug Carrier Syst** 1991;7(4):275–308 (101 ref.)

METABOLISM

Biosynthesis and composition of bacterial poly(hydroxyalkanoates). Anderson AJ, et al. **Int J Biol Macromol** 1990 Apr;12(2):102–5 (16 ref.)

[Role of polyol-myoinositol metabolic changes in the pathogenesis of diabetic macro-angiopathy] Fu MX, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):300–4 (39 ref.) **(Chi)**

PHARMACOLOGY

Phospholipase A2 as a "death trigger" in the aging process. The use of PLA2 inhibitors as antiaging substances. Regelson W, et al. **Ann N Y Acad Sci** 1991;621:262–76 (64 ref.)

Biomedical polymers differ in their capacity to activate complement. Janatova J, et al. **Complement Inflamm** 1991; 8(2):61–9 (44 ref.)

Mechanism(s) of cytoprotective and anti-inflammatory activity of PGB1 oligomers: PGBx has potent anti-phospholipase A2 and anti-oxidant activity. Franson RC, et al. **Prostaglandins Leukot Essent Fatty Acids** 1991 Jun;43(2):63–70 (46 ref.)

[The general mechanism of body adaptation under the influence of polyphenol adaptogens] Lupandin AV. **Usp Fiziol Nauk** 1991 Jan–Feb;22(1):20–39 (142 ref.) **(Rus)**

THERAPEUTIC USE

Polymers to treat brain tumours. Brem H. **Biomaterials** 1990 Nov;11(9):699–701 (26 ref.)

The antibody-linked chelating polymers for nuclear therapy and diagnostics. Torchilin VP, et al. **Crit Rev Ther Drug Carrier Syst** 1991;7(4):275–308 (101 ref.)

TOXICITY

Toxicology and biocompatibility considerations in the evaluation of polymeric materials for biomedical applications. Laurencin CT, et al. **Clin Lab Med** 1990 Sep; 10(3):549–70 (100 ref.)

POLYMETHYLMETHACRYLATE see **METHYLMETHACRYLATES**

POLYMORPHISM (GENETICS)

Genetic polymorphism of drug metabolism in humans. Gross AS, et al. **Adv Exp Med Biol** 1991;283:627–40 (77 ref.)

Immunogenetic markers as probes for polymorphism, gene regulation and gene transfer in man—the Gm system in perspective. Grubb R. **APMIS** 1991 Mar;99(3):199–209 (83 ref.)

Polymorphisms of the regulators of complement activation gene cluster. Hourcade D, et al. **Complement Inflamm** 1990; 7(4–6):302–14 (71 ref.)

Chromosomal assignment and physical linkage of the human C8 loci: implications regarding C8 polymorphisms and deficiencies. Snider JV, et al. **Complement Inflamm** 1990; 7(4–6):298–301 (13 ref.)

HLA class II polymorphism and genetic susceptibility to insulin-dependent diabetes mellitus. Erlich HA. **Curr Top Microbiol Immunol** 1990;164:41–55 (58 ref.)

Multilocus and single locus minisatellite analysis in population biological studies. Burke T, et al. **Experientia Suppl** 1991;58:154–68 (51 ref.)

Human variable number of tandem repeat probes as a source of polymorphic markers in experimental animals. de Gouyon B, et al. **Experientia Suppl** 1991;58:85–94 (16 ref.)

Genetic polymorphisms of drug metabolism. Meyer UA. **Fundam Clin Pharmacol** 1990;4(6):595–615 (83 ref.)

DRUG EFFECTS

Pharmacokinetic-pharmacogenetic modelling in the detection of polymorphisms in xenobiotic metabolism. Jackson PR, et al. **Ann Occup Hyg** 1990 Dec;34(6):653–62 (13 ref.)

GENETICS

Use of DNA polymorphisms for genetic analysis of non-insulin dependent diabetes mellitus. Permutt MA. **Baillieres Clin Endocrinol Metab** 1991 Sep;5(3):495–526 (100 ref.)

Hereditary polymorphisms of human drug metabolizing enzymes and cancer susceptibility. Gonzalez FJ. **Birth Defects** 1990;26(1):17–42 (96 ref.)

Acetylation. Weber WW. **Birth Defects** 1990;26(1):43–65 (120 ref.)

Paternity testing—quo vadis? Mayr WR, et al. **Blood Rev** 1991 Mar;5(1):51–4 (13 ref.)

Is environmental carcinogenesis modulated by host polymorphism? Idle JR. **Mutat Res** 1991 Apr;247(2):259–66 (57 ref.)

[Alpha 1-antitrypsin polymorphism] Nowak S, et al. **Postepy Hig Med Dosw** 1989;43(2–4):213–35 (128 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Differences in drug metabolism polymorphism between Orientals and Caucasians. Lou YC. **Drug Metab Rev** 1990; 22(5):451–75 (105 ref.)

Genetic polymorphism of sparteine/debrisoquine oxidation: a reappraisal. Lennard MS. **Pharmacol Toxicol** 1990 Oct; 67(4):273–83 (97 ref.)

POLYMORPHONUCLEAR LEUKOCYTES see **NEUTROPHILS**

POLYMYALGIA RHEUMATICA

CHEMICALLY INDUCED

[Polymyalgia induced by topical minoxidil] Colamarino R, et al. **Ann Med Interne (Paris)** 1990;141(5):425–8 (18 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Giant cell arteritis and polymyalgia rheumatica. Spiera H. **Hosp Pract [Off]** 1990 Nov 15;25(11):71–4, 77–8, 81–4 passim (5 ref.)

[Polymyalgia rheumatica: current topics and differential diagnosis for myalgic conditions] Nishioka J. **Ryumachi** 1990 Oct;30(5):426–35 (37 ref.) **(Jpn)**

PATHOLOGY

A study of elastic tissue and actinic radiation in "aging," temporal arteritis, polymyalgia rheumatica, and atherosclerosis. The actinic storm in the modern world. O'Brien JP, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 1):765–76 (108 ref.)

Polymyalgia rheumatica/giant cell arteritis and other vasculitides. Michet CJ. **Rheum Dis Clin North Am** 1990 Aug;16(3):667–80 (80 ref.)

[A case of temporal arteritis associated with polymyalgia rheumatica and subclinical Sjögren's syndrome] Kohriyama K, et al. **Ryumachi** 1990 Aug;30(4):272–80 (27 ref.) (Eng. Abstr.) **(Jpn)**

POLYNEURITIS

[Familial Mediterranean fever and familial amyloidotic polyneuropathy] Araki S, et al. **Nippon Rinsho** 1991 Apr; 49(4):806–13 (20 ref.) **(Jpn)**

ETIOLOGY

[A case of chronic demyelinating polyneuropathy with benign IgM anti-myelin-associated glycoprotein paraproteinenia—transient improvement with weekly plasmapheresis] Muramoto T, et al. **Rinsho Shinkeigaku** 1991 Jan;31(1):38–43 (19 ref.) (Eng. Abstr.) **(Jpn)**

[The POEMS syndrome] Antela López A, et al. **An Med Interna** 1989 Aug;6(8):439–42 (50 ref.) (Eng. Abstr.) **(Spa)**

POLYNUCLEAR AROMATIC HYDROCARBONS see **POLYCYCLIC HYDROCARBONS**

POLYNUCLEOTIDE PHOSPHORYLASE

METABOLISM

Different specificities of ribonuclease II and polynucleotide phosphorylase in 3'mRNA decay. Guarneros G, et al. **Biochimie** 1990 Nov;72(11):771–7 (29 ref.)

POLYNUCLEOTIDES

METABOLISM

DNA-protein interactions: the use of synthetic oligo- and polynucleotides for studying single-stranded-DNA-binding proteins and restriction endonucleases. Gromova ES, et al. **Prog Nucleic Acid Res Mol Biol** 1990;39:1–47 (71 ref.)

POLYOMAVIRUS LARGE T ANTIGENS see **ANTIGENS, POLYOMAVIRUS TRANSFORMING**

POLYOMAVIRUS MIDDLE T ANTIGENS see **ANTIGENS, POLYOMAVIRUS TRANSFORMING**

POLYOMAVIRUS SMALL T ANTIGENS see **ANTIGENS, POLYOMAVIRUS TRANSFORMING**

POLYOMAVIRUS T PROTEINS see **ANTIGENS, POLYOMAVIRUS TRANSFORMING**

POLYOMAVIRUS TRANSFORMING ANTIGENS see **ANTIGENS, POLYOMAVIRUS TRANSFORMING**

POLYOMAVIRUS TUMOR ANTIGENS see **ANTIGENS, POLYOMAVIRUS TRANSFORMING**

POLYOMAVIRUSES

GENETICS

[Molecular biological characteristics of new animal polyoma viruses] Chetina EV, et al. **Mol Gen Mikrobioi Virusol** 1990 Oct;(10):3–7 (58 ref.) **(Rus)**

IMMUNOLOGY

Seroepidemiology of human papovaviruses. Discovery of virgin populations and some unusual patterns of antibody prevalence among remote peoples of the world. Brown P, et al. **Am J Epidemiol** 1975 Oct;102(4):331–40 (42 ref.)

PHYSIOLOGY

Cell alterations induced by the large T-antigens of SV40 and polyoma virus. Dilworth SM. **Semin Cancer Biol** 1990 Dec;1(6):407–14 (68 ref.)

POLYOXYETHYLENES see **POLYETHYLENE GLYCOLS**

POLYPENTOSE SULFATE see **PENTOSAN SULFURIC POLYESTER**

POLYPEPTIDES see **PEPTIDES**

POLYPLOIDY

Tetraploidy in a liveborn infant. López Pajares I, et al. **J Med Genet** 1990 Dec;27(12):782–3 (4 ref.)

Control and implications of polyploidization in human megakaryocytes. Mazur EM. **Prog Clin Biol Res** 1990; 356:231–44 (22 ref.)

POLYPORACEAE

ANALYSIS

[Progress of studies on the chemical constituents of Ganoderma triterpene] Chen RY, et al. **Yao Hsueh Hsueh Pao** 1990;25(12):940–53 (61 ref.) **(Chi)**

POLYPOSIS COLI, FAMILIAL see **POLYPOSIS SYNDROME, FAMILIAL**

POLYPOSIS SYNDROME, FAMILIAL

Familial polyposis coli & Gardner's syndrome. Nannery WM, et al. **N J Med** 1990 Sep;87(9):731–3 (11 ref.)

[Familial adenomatous polyposis] Bülow S, et al. **Ugeskr Laeger** 1990 Sep 10;152(37):2628–32 (30 ref.) (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Association between neuroepithelial tumor and multiple intestinal polyposis (Turcot's syndrome): report of a case and critical analysis of the literature. Mastronardi L, et al. **Neurosurgery** 1991 Mar;28(3):449–52 (40 ref.)

DIAGNOSIS

[Importance of the fundus oculi in the early diagnosis in childhood of familial polyposis coli] Díaz Llopis M, et al. **Cir Pediatr** 1988 Jan;1(1):39–42 (14 ref.) (Eng. Abstr.) **(Spa)**

GENETICS

Genetic analysis of colorectal cancer. Bodmer WF, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:49–59 (36 ref.)

Lessons from the genetics of colon cancer. Ahnen DJ. **Scand J Gastroenterol Suppl** 1990;175:166–76 (44 ref.)

[Thyroid cancer and familial rectocolonic polyposis] de Mestier P. **Chirurgie** 1990;116(6–7):514–6 (14 ref.) (Eng. Abstr.) **(Fre)**

[Cytomolecular aspects of colorectal carcinoma] Miki Y, et al. **Gan To Kagaku Ryoho** 1991 Apr;18(4):515–21 (38 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Extra-colonic manifestations of familial adenomatous polyposis. Jagelman DG. **Oncology (Williston Park)** 1991 Feb;5(2):23–7; discussion 31–6 (24 ref.)

A review of physical abnormalities in familial adenomatous polyposis. Seow C, et al. **Singapore Med J** 1991 Jun; 32(3):139–42 (88 ref.)

RADIOGRAPHY

Extracolonic manifestations of the familial adenomatous polyposis syndromes. Harned RK, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):481–5 (6 ref.)

SURGERY

[Malignant degeneration on ileostomy for rectocolonic polyposis] Lopez JF, et al. **J Chir (Paris)** 1991 Apr; 128(4):201–3 (21 ref.) (Eng. Abstr.) **(Fre)**

POLYPROTEINS see **PROTEINS**

POLYPS

COMPLICATIONS

[A case of disseminated atypical mycobacteriosis with multiple bronchial polyps] Gotoh T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Dec; 28(12):1628–34 (20 ref.) (Eng. Abstr.) **(Jpn)**

[Gastric carcinoid polyp and type A atrophic gastritis] Vareal E, et al. **An Med Interna** 1989 May;6(5):249–51 (13 ref.) (Eng. Abstr.) **(Spa)**

CONGENITAL

Congenital hairy polyp of the nasopharynx associated with cleft palate: report of two cases. Haddad J Jr, et al. **Int J Pediatr Otorhinolaryngol** 1990 Nov;20(2):127–35 (10 ref.)

DIAGNOSIS

[Ectopic prostatic polyp preoperatively diagnosed as bladder tumor: a case report] Ishida T, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1337–41 (25 ref.) (Eng. Abstr.) **(Jpn)**

[Polyps of the posterior urethra: presentation of a new case] López Vázquez F, et al. **Actas Urol Esp** 1990 Sep–Oct; 14(5):385–6 (15 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

[A case of multiple inflammatory tracheo–bronchial polyps associated with chronic sinusitis] Sugihara R, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Nov; 28(11):1494–8 (20 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Carcinoma in hyperplastic polyps of the stomach. An underestimated possibility. Case reports. Orlowska J, et al. **APMIS** 1991 May;99(5):398–404 (21 ref.)

[Two cases of benign polyps of the posterior urethra (ectopic prostatic tissue)] Tada K, et al. **Hinyokika Kiyo** 1990 Jun; 36(6):717–20 (19 ref.) (Eng. Abstr.) **(Jpn)**

[A case of invasive thymoma displaying endobronchial and endocaval polypoid growth] Ichimanda M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jun;39(6):938–42 (17 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

[Adenomatous polyps in the stomach–colon—when is polypectomy curative?] Niebel W, et al. **Z Gastroenterol Verh** 1991 Mar;26:80–1 (6 ref.) **(Ger)**

POLYRADICULONEURITIS

COMPLICATIONS

[The association of acute polyradiculoneuritis, transitory diabetes insipidus and pregnancy. Apropos of a case and review of the literature] Berteau P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1990;19(7):793–802 (77 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Chronic inflammatory polyradiculoneuritis] Vallat JM, et al. **Ann Med Interne (Paris)** 1990;141(8):678–81 (37 ref.) **(Fre)**

[Atypical and combined forms of infectious–allergic polyneuropathies] Kanarelkin KF, et al. **Klin Med (Mosk)** 1991 Apr;69(4):14–7 (32 ref.) **(Rus)**

DRUG THERAPY

[Immunosuppressive therapy of various autoimmune diseases of the nervous system] Neretin VIa, et al. **Sov Med** 1990; (12):31–5 (39 ref.) **(Rus)**

ETIOLOGY

[Polyradiculoneuritis following lumbosacral zona with adrenal cortex adenoma] Ribot C, et al. **Rev Neurol (Paris)** 1991;147(2):164–6 (9 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

[Guillain–Barré syndrome and plasma exchange] Raphael JC, et al. **Ann Med Interne (Paris)** 1990;141(7):593–6 (31 ref.) **(Fre)**

[Immunotherapy of chronic Guillain–Barré syndrome with high dose IgG and cyclosporin A. Case report, review of the literature and perspectives] Müllges W, et al. **Fortschr Neurol Psychiatr** 1991 May;59(5):183–9 (58 ref.) (Eng. Abstr.) **(Ger)**

[Treatment of patients with infectious–allergic polyradiculoneuritis] Kanarelkin KF, et al. **Klin Med (Mosk)** 1991 Jan;69(1):17–22 (49 ref.) **(Rus)**

POLYRIBONUCLEOTIDE NUCLEOTIDYLTRANSFERASE see **POLYNUCLEOTIDE PHOSPHORYLASE**

POLYSACCHARIDES

ADMINISTRATION & DOSAGE

Mechanisms and experimental and epidemiological evidence relating dietary fibre (non-starch polysaccharides) and starch to protection against large bowel cancer. Bingham SA. **Proc Nutr Soc** 1990 Jul;49(2):153–71 (123 ref.)

ANALYSIS

Non-starch polysaccharides (dietary fiber) and resistant starch. Englyst HN, et al. **Adv Exp Med Biol** 1990; 270:205–25 (63 ref.)

Antigenic structure of Candida albicans. Electronmicroscopic localization of polysaccharide and immunodeterminants in the cell wall. Garzon S, et al. **Immunol Ser** 1989;47:3–36 (103 ref.)

Antigenic structure of Cryptococcus neoformans capsular polysaccharides. Kozel TR. **Immunol Ser** 1989;47:63–86 (70 ref.)

Glycans as biochemical markers of human endometrial secretory differentiation. Aplin JD. **J Reprod Fertil** 1991 Jul;92(2):525–41 (96 ref.)

BIOSYNTHESIS

Nucleotide sequence of rmpB, a Klebsiella pneumoniae gene that positively controls, colanic biosynthesis in Escherichia coli. Vasselon T, et al. **Res Microbiol** 1991 Jan;142(1):47–54 (34 ref.)

METABOLISM

Polysaccharide utilization by human colonic bacteria. Salyers AA. **Adv Exp Med Biol** 1990;270:151–8 (19 ref.)

The mechanism of action of interleukin–1: a cytokine acting through glycosyl–phosphatidylinositol hydrolysis? Dobson PR, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:170–5 (19 ref.)

PHARMACOLOGY

Immunopotentiating effect of traditional Chinese drugs—ginsenoside and glycyrrhiza polysaccharide. Yang G, et al. **Proc Chin Acad Med Sci Peking Union Med Coll** 1990; 5(4):188–93 (9 ref.)

[Progress of pharmacological research on angelica polysaccharide] Wang YP. **Chung Hsi I Chieh Ho Tsa Chih** 1991 Jan;11(1):61–3 (24 ref.) **(Chi)**

[Neurotropin: the different aspects of its action and clinical use] Sudakov KV, et al. **Med Radiol (Mosk)** 1991;36(8):51–4 (57 ref.) **(Rus)**

PHYSIOLOGY

The biofilm glycocalyx as a resistance factor. Hoyle BD, et al. **J Antimicrob Chemother** 1990 Jul;26(1):1–5 (59 ref.)

POLYSACCHARIDES, BACTERIAL

Components of bacterial polysaccharides. Lindberg B. **Adv Carbohydr Chem Biochem** 1990;48:279–318 (195 ref.)

New developments in vaccines. Daum RS, et al. **Adv Pediatr Infect Dis** 1991;6:1–57 (243 ref.)

Catheter–associated biofilm. Holmes CJ. **Contrib Nephrol** 1990;85:49–56 (31 ref.)

Industrially useful microbial polysaccharides. Sutherland IW. **Microbiol Sci** 1986 Jan;3(1):5–9 (21 ref.)

Haemophilus influenzae disease and immunization in developing countries. Funkhouser A, et al. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S542–54 (103 ref.)

ADMINISTRATION & DOSAGE

Immunisation for the prevention of Haemophilus influenzae type b infections: a review. Clements DA, et al. **Aust N Z J Med** 1990 Dec;20(6):828–34 (62 ref.)

ANALYSIS

[Streptococci, molecular mimicry and APO titer] Fantini F. **Boll Ist Sieroter Milan** 1989;68(2):108–14 (21 ref.) **(Ita)**

BIOSYNTHESIS

Exocellular polysaccharides produced by lactic acid bacteria. Cerning J. **FEMS Microbiol Rev** 1990 Sep;7(1–2):113–30 (94 ref.)

Exopolysaccharide production in Rhizobium and its role in invasion. Gray JX, et al. **Mol Microbiol** 1990 Sep; 4(9):1425–31 (51 ref.)

GENETICS

Genetic analyses of Rhizobium meliloti exopolysaccharides. Glazebrook J, et al. **Int J Biol Macromol** 1990 Apr; 12(2):67–70 (46 ref.)

IMMUNOLOGY

Impaired polysaccharide responses in immunodeficient patients: relevance to bone marrow transplant patients. Ambrosino DM. **Bone Marrow Transplant** 1991;7 Suppl 3:48–51 (35 ref.)

Regulation of magnitude of antibody response to bacterial polysaccharide antigens by thymus–derived lymphocytes. Baker PJ. **Infect Immun** 1990 Nov;58(11):3465–8 (37 ref.)

[Streptococci, molecular mimicry and APO titer] Fantini F. **Boll Ist Sieroter Milan** 1989;68(2):108–14 (21 ref.) **(Ita)**

METABOLISM

Structure–to–function relationship of mycobacterial cell envelope components. Takayama K, et al. **Res Microbiol** 1991 May;142(4):443–8 (37 ref.)

PHYSIOLOGY

An evaluation of the role of surface hydrophobicity and extracellular slime in the pathogenesis of foreign–body–related infections due to coagulase–negative staphylococci. Fleer A, et al. **J Invest Surg** 1989;2(4):391–6 (10 ref.)

POLYSTYRENES

CHEMISTRY

[The use of polystyrene–divinylbenzene–copolymers for the preparation of biological samples in drug control] Maass S, et al. **Pharmazie** 1990 Jul;45(8):549–54 (57 ref.) **(Ger)**

POLYTEF see **POLYTETRAFLUOROETHYLENE**

POLYTETRAFLUOROETHYLENE

An argument in favor of all–autogenous tissue for vascular bypasses below the inguinal ligament. Donaldson MC, et al. **Adv Surg** 1991;24:69–90 (46 ref.)

Instability of the anterior and posterior cruciate ligaments. Arnoczky SP, et al. **Instr Course Lect** 1991;40:199–270 (324 ref.)

Modified Blalock–Taussig shunts in the treatment of tetralogy of Fallot. Rosenkranz ER. **Semin Thorac Cardiovasc Surg** 1990 Jan;2(1):27–33 (70 ref.)

[Infrainguinal bypass surgery of occlusive arteriosclerosis of the lower extremities using polytetrafluoroethylene (PTFE) vascular prostheses] Dahl BT, et al. **Ugeskr Laeger** 1991 Jan 21;153(4):260–3 (30 ref.) (Eng. Abstr.) **(Dan)**

[Prosthetic bypasses: can we improve the results?] Taylor RS. **J Mal Vasc** 1991;16(1):18–22 (6 ref.) (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

[The endoscopic correction of vesicoureteral reflux by the insufflation of a teflon paste] Chepurov AK, et al. **Urol Nefrol (Mosk)** 1990 Nov–Dec;(6):63–8 (84 ref.) **(Rus)**

POLYURETHANES

Biologically inert synthetic dural substitutes. Appraisal of a medical–grade aliphatic polyurethane and a polysiloxane–carbonate block copolymer. Sakas DE, et al. **J Neurosurg** 1990 Dec;73(6):936–41 (54 ref.)

POLYURIA

ETIOLOGY

[Polyuric dilatation of the urinary tract in congenital nephrogenic diabetes insipidus. Clinical and diagnostic aspects. Presentation of a case and review of the literature] Soler Fernández JM, et al. **Actas Urol Esp** 1990 Sep–Oct; 14(5):374–7 (19 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Atrial regulation of intravascular volume: observations on the tachycardia–polyuria syndrome. Zullo MA. **Am Heart J** 1991 Jul;122(1 (Pt 1)):188–94 (108 ref.)

POLYVINYL CHLORIDE

ADVERSE EFFECTS

Prolonged asthma after smoke inhalation: a report of three cases and a review of previous reports. Moisan TC. **J Occup Med** 1991 Apr;33(4):458–61 (42 ref.)

POISONING

[Neurologic and psychiatric disorders in vinyl chloride disease] Podoll K, et al. **Fortschr Neurol Psychiatr** 1990 Nov;58(11):439–43 (30 ref.) (Eng. Abstr.) **(Ger)**

POLYVINYLPYRROLIDONE IODINE see **POVIDONE–IODINE**

POLYVINYLS

Immobilon–P transfer membrane: applications and utility in protein biochemical analysis. LeGendre N. **Biotechniques** 1990 Dec;9(6 Suppl):788–805 (149 ref.)

POMC see **PRO–OPIOMELANOCORTIN**

POMPE'S DISEASE see **GLYCOGEN STORAGE DISEASE TYPE II**

PONGIDAE

Naturally acquired and experimental leprosy in nonhuman primates. Meyers WM, et al. **Am J Trop Med Hyg** 1991 Apr;44(4 Pt 2):24–7 (27 ref.)

PHYSIOLOGY

Techniques and significance of gamete collection and storage in the great apes. Gould KG. **J Med Primatol** 1990;

19(6):537–51 (35 ref.)

PONS

A case of dyschondroplasia associated with brain stem glioma: diagnosis by stereotactic biopsy. Patt S, et al. **Neurosurgery** 1990 Sep;27(3):487–91 (21 ref.)

BLOOD SUPPLY

[Infarction of the pons, neurosyphilis and HIV infection] Labauge R, et al. **Rev Neurol (Paris)** 1991;147(5):406–8 (22 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

The pedunculopontine nucleus. Garcia-Rill E. **Prog Neurobiol** 1991;36(5):363–89 (390 ref.)

POPLITEAL ARTERY

Popliteal aneurysm after total knee arthroplasty. Case reports and review of the literature. Hozack WJ, et al. **J Arthroplasty** 1990 Dec;5(4):301–5 (16 ref.)

Adventitial cystic disease. McAnespey D, et al. **J Foot Surg** 1991 Mar–Apr;30(2):160–4 (19 ref.)

ABNORMALITIES

Entrapment of the popliteal artery. Persky JM, et al. **Surg Gynecol Obstet** 1991 Jul;173(1):84–90 (65 ref.)

INJURIES

Traumatic popliteal artery pseudoaneurysms: case report and review of the literature. Gillespie DL, et al. **J Trauma** 1991 Mar;31(3):412–5 (22 ref.)

[The physiopathology and medical treatment of acute traumatic occlusion of the popliteal artery. The point of view of the anesthesiologist-resuscitator] Granry JC, et al. **Cah Anesthesiol** 1990 May–Jun;38(3):149–53 (22 ref.) (Eng. Abstr.) **(Fre)**

POPLITEAL VEIN

RADIOGRAPHY

Popliteal venous aneurysms with or without pulmonary embolism. Helsted M, et al. **Eur J Vasc Surg** 1991 Jun; 5(3):333–42 (18 ref.)

SURGERY

[Restorative-reconstructive surgery of the valve system of deep veins of the lower extremities] Sukovatykh BS, et al. **Vestn Khir** 1991 Jan;146(1):136–40 (31 ref.) **(Rus)**

POPULATION

Herd immunity and the HIV epidemic. O'Connor WT. **Prev Med** 1991 May;20(3):329–42 (103 ref.)

POPULATION CONTROL

see related
ABORTION, LEGAL
CONTRACEPTION
FAMILY PLANNING
STERILIZATION, SEXUAL

[Current status of reproduction control in France] Leridon H. **Reprod Nutr Dev** 1990;Suppl 1:1s–8s (2 ref.) (Eng. Abstr.) **(Fre)**

METHODS

Relevance of immuno-contraceptive vaccines for population control. I. Hormonal immunocontraception. Gupta SK, et al. **Arch Immunol Ther Exp (Warsz)** 1990;38(1–2):47–60 (68 ref.)

Relevance of immuno-contraceptive vaccines for population control. II. Gamete antigens. Kurpisz M. **Arch Immunol Ther Exp (Warsz)** 1990;38(1–2):61–78 (119 ref.)

[Is vaccination against pregnancy a way to stop overpopulation in the world?] Mårdh PA. **Lakartidningen** 1991 Jul 24;88(30–31):2506–7 (11 ref.) **(Swe)**

POPULATION DENSITY

see related
SOCIAL ISOLATION

POPULATION DISTRIBUTION see **DEMOGRAPHY**

POPULATION DYNAMICS

Population projections and the effect on rheumatology. Badley EM. **Ann Rheum Dis** 1991 Jan;50(1):3–6 (21 ref.)

The interplay of population dynamics and the evolutionary process. Travis J. **Philos Trans R Soc Lond [Biol]** 1990 Nov 29;330(1257):253–9 (87 ref.)

POPULATION SURVEILLANCE

Familial factors and genetic predisposition to cancer: population studies. Lynch HT, et al. **Cancer Detect Prev** 1991;15(1):49–57 (52 ref.)

Asthma surveillance in the United States. A review of current trends and knowledge gaps. Weiss KB, et al. **Chest** 1990 Nov;98(5 Suppl):179S–184S (29 ref.)

Surveillance of disorders caused by occupational hazards--principles and practice: a review. Baker EL. **J R Soc Med** 1991 Jul;84(7):418–22 (14 ref.)

Surveillance for occupational asthma. Balmes JR. **Occup Med** 1991 Jan–Mar;6(1):101–10 (46 ref.)

Radiology in prevention and surveillance of occupational lung disease. Batra P, et al. **Occup Med** 1991 Jan–Mar; 6(1):81–100 (90 ref.)

Physiologic testing in preventing occupational lung disease. Gelb AF. **Occup Med** 1991 Jan–Mar;6(1):59–68 (61 ref.)

Pulmonary function testing: guidelines for medical surveillance and epidemiological studies. McKay RT, et al. **Occup Med** 1991 Jan–Mar;6(1):43–57 (12 ref.)

METHODS

[New theoretical and methodologic principles of evaluating health status in public health studies] Kul'berg AIa. **Vestn Akad Med Nauk SSSR** 1991;(1):19–23 (21 ref.) **(Rus)**

[Methodology of the study of the state of health of the population in relation to the quality of the environment] Sidorenko GI, et al. **Vestn Akad Med Nauk SSSR** 1991; (1):15–8 (23 ref.) (Eng. Abstr.) **(Rus)**

PORCELAIN see **DENTAL PORCELAIN**

PORCINE XENOGRAFT BIOPROSTHESIS see **BIOPROSTHESIS**

PORCINE XENOGRAFT DRESSINGS see **BIOLOGICAL DRESSINGS**

PORCUPINES see **RODENTIA**

PORIFERA

METABOLISM

Intracellular signal transduction pathways in sponges. Müller WE, et al. **Electron Microsc Rev** 1990;3(1):97–114 (100 ref.)

PORNOGRAPHY see **EROTICA**

PORP see **OSSICULAR REPLACEMENT PROSTHESIS**

PORPHYRIA

Porphyrias and porphyrins. Young JW, et al. **Int J Dermatol** 1991 Jun;30(6):399–406 (91 ref.)

COMPLICATIONS

Porphyria cutanea tarda associated with HIV infection [letter] Lafeuillade A, et al. **AIDS** 1990 Sep;4(9):924 (8 ref.)

Porphyria cutanea tarda and acquired immunodeficiency syndrome: case reports and literature review [letter] Scannell KA. **Arch Dermatol** 1990 Dec;126(12):1658–9 (4 ref.)

Porphyria cutanea tarda associated with human immunodeficiency virus infection. A study of four cases and review of the literature. Boisseau AM, et al. **Dermatologica** 1991;182(3):155–9 (20 ref.)

CONGENITAL

[Bone anomalies in Gunther's disease] Audran M, et al. **Rev Rhum Mal Osteoartic** 1990 Dec;57(12):885–8 (13 ref.) **(Fre)**

DIAGNOSIS

[Severe liver complications in protoporphyria] Frank M, et al. **Internist (Berl)** 1991 May;32(5):277–82 (38 ref.) **(Ger)**

DRUG THERAPY

Heme in the treatment of heme deficiency states. Tenhunen R. **Scand J Clin Lab Invest Suppl** 1990;201:63–75 (111 ref.)

[What is guaranteed in therapy of acute intermittent porphyria?] Ippen H, et al. **Internist (Berl)** 1990 Nov; 31(11):698–701 (21 ref.) **(Ger)**

ETIOLOGY

[Diagnosis and therapy of hepatic porphyria] Doss MO. **Acta Med Austriaca** 1990;17(5):94–9 (23 ref.) (Eng. Abstr.) **(Ger)**

[Solarium pseudoporphyria. Report of a case and review of the literature] Weiss J, et al. **Hautarzt** 1990 Dec; 41(12):671–4 (18 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

Molecular genetics of porphyrias. Nordmann Y, et al. **Ann Med** 1990 Dec;22(6):387–91 (27 ref.)

Molecular regulation of 5-aminolevulinate synthase. Diseases related to heme biosynthesis. May BK, et al. **Mol Biol Med** 1990 Oct;7(5):405–21 (63 ref.)

METABOLISM

Laboratory investigation of the porphyrias. Elder GH, et al. **Ann Clin Biochem** 1990 Sep;27 (Pt 5):395–412 (72 ref.)

Free radicals involvement in neurological porphyrias and lead poisoning. Monteiro HP, et al. **Mol Cell Biochem** 1991 Apr 24;103(1):73–83 (88 ref.)

PATHOLOGY

Mechanisms of phototoxicity in porphyria cutanea tarda and erythropoietic protoporphyria. Lim HW. **Immunol Ser** 1989;46:671–85 (37 ref.)

PHYSIOPATHOLOGY

Iron and the liver. Bonkovsky HL. **Am J Med Sci** 1991 Jan; 301(1):32–43 (55 ref.)

PORPHYRINS

Porphyrias and porphyrins. Young JW, et al. **Int J Dermatol** 1991 Jun;30(6):399–406 (91 ref.)

Physical chemistry of porphyrins and their interactions with membranes: the importance of pH. Brault D. **J Photochem Photobiol B** 1990 Jun;6(1–2):79–86 (31 ref.)

ANALYSIS

In vitro and in vivo fluorescence monitoring of photosensitizers. Pottier R. **J Photochem Photobiol B** 1990 Jun;6(1–2):103–9 (23 ref.)

METABOLISM

Cellular uptake and photosensitizing properties of anticancer porphyrins in cell membranes and low and high density lipoproteins. Maziere JC, et al. **J Photochem Photobiol B** 1990 Jun;6(1–2):61–8 (37 ref.)

Factors influencing the distribution pattern of porphyrins in cell membranes. Ricchelli F, et al. **J Photochem Photobiol B** 1990 Jun;6(1–2):69–77 (15 ref.)

PHARMACOLOGY

Chlorins as photosensitizers in biology and medicine. Spikes JD. **J Photochem Photobiol B** 1990 Jul;6(3):259–74 (97 ref.)

Phthalocyanines as photodynamic sensitizers. Rosenthal I. **Photochem Photobiol** 1991 Jun;53(6):859–70 (98 ref.)

PORPOISES see **DOLPHINS**

PORTACAVAL SHUNT, SURGICAL

Ammonia metabolism in normal and portacaval-shunted rats. Cooper AJ. **Adv Exp Med Biol** 1990;272:23–46 (126 ref.)

Metabolic effects of portacaval shunt surgery and liver transplantation in familial hypercholesterolemia. Bilheimer DW. **Beitr Infusionther** 1988;23:61–73 (48 ref.)

PORTAL SYSTEM

see related
LIVER CIRCULATION

Treatment of portal systemic encephalopathy: the old and new treatments. Uribe M. **Adv Exp Med Biol** 1990; 272:235–53 (34 ref.)

ANATOMY & HISTOLOGY

[Segmentation of the liver and anatomical variants of the portal system] Trinh Van Minh, et al. **Ann Chir** 1990; 44(7):561–9 (31 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Portal venous system calcifications. Study of 3 cases and review of the literature] Delamarre J, et al. **Gastroenterol Clin Biol** 1991;15(3):254–60 (44 ref.) (Eng. Abstr.) **(Fre)**

PORTAL VEIN

Hepatic portal venous gas: an unusual presentation of Crohn's disease. Kirsch M, et al. **Am J Gastroenterol** 1990 Nov; 85(11):1521–3 (29 ref.)

The significance of portal vein thrombosis after distal splenorenal shunt. Jin GL, et al. **Arch Surg** 1991 Aug; 126(8):1011–5; discussion 1015–6 (23 ref.)

Extrahepatic portal vein obstruction. Sahni P, et al. **Br J Surg** 1990 Nov;77(11):1201–2 (12 ref.)

The mesenteric-portal vein in research. Sutter MC. **Pharmacol Rev** 1990 Dec;42(4):287–325 (519 ref.)

[A case report of thrombosis in portal and splenic vein due to alcoholic pancreatitis] Michida T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jun;88(6):1388–92 (16 ref.) **(Jpn)**

[A case of extrahepatic portal vein aneurysm with liver cirrhosis] Takahashi A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Feb;88(2):201–4 (23 ref.) **(Jpn)**

ABNORMALITIES

Extrahepatic portal vein aneurysm associated with a tortuous portal vein. Hagiwara H, et al. **Gastroenterology** 1991 Mar; 100(3):818–21 (20 ref.)

PHYSIOPATHOLOGY

The response of the portal vein to an oral glucose load. Goldberg RE, et al. **JCU** 1990 Nov-Dec;18(9):691-5 (16 ref.)

ULTRASONOGRAPHY

Intrahepatic spontaneous arterioportal fistula: duplex ultrasound diagnosis and angiographic treatment. Tarazov PG, et al. **Am J Gastroenterol** 1991 Jun;86(6):775-8 (38 ref.)

PORTASYSTEMIC SHUNT, SURGICAL

ADVERSE EFFECTS

Variceal rebleeding after portosystemic shunting. Strategies and solutions to a vexing problem. Levine BA, et al. **Surg Clin North Am** 1991 Feb;71(1):117-30 (15 ref.)

CLASSIFICATION

[Hemodynamic consequences of portal decompression: which is the optimal shunt?] Rössle M, et al. **Z Gastroenterol** 1990 Nov;28(11):630-4 (59 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Selective splenocaval shunt. Report of 26 cases and review of the literature. Atta HM, et al. **Arch Surg** 1991 May; 126(5):582-5 (17 ref.)

[The role of surgery in portal hypertension] Vauthey JN, et al. **Schweiz Med Wochenschr** 1991 Mar 16;121(11):357-62 (42 ref.) (Eng. Abstr.) **(Fre)**

[Correction of secondary hypersplenism in the surgical treatment of portal hypertension] Kalita NIa, et al. **Vestn Khir** 1991 Mar;146(3):137-40 (54 ref.) **(Rus)**

PORTOSYSTEMIC ENCEPHALOPATHY see **HEPATIC ENCEPHALOPATHY**

PORTOSYSTEMIC SHUNT, SURGICAL see **PORTASYSTEMIC SHUNT, SURGICAL**

POSITION DESCRIPTION see **JOB DESCRIPTION**

POSITIVE END-EXPIRATORY PRESSURE see **POSITIVE-PRESSURE RESPIRATION**

POSITIVE-PRESSURE RESPIRATION

The role of PEEP in patients with chronic obstructive pulmonary disease during assisted ventilation. Rossi A, et al. **Eur Respir J** 1990 Jul;3(7):818-22 (32 ref.)

Indications for continuous positive airway pressure and respirator therapy. Jonzon A. **Int J Technol Assess Health Care** 1991;7 Suppl 1:26-30 (31 ref.)

CPAP and mechanical ventilation. Sedin G. **Int J Technol Assess Health Care** 1991;7 Suppl 1:31-40 (75 ref.)

Dynamic pulmonary hyperinflation and intrinsic PEEP: consequences and management in patients with chronic obstructive pulmonary disease. Milic-Emili J. **Recenti Prog Med** 1990 Nov;81(11):733-7 (24 ref.)

[A difficult therapeutic dilemma: pneumoperitoneum in severe blunt injuries treated by respiratory or cardiorespiratory resuscitation] Vu NH, et al. **J Chir (Paris)** 1991 May;128(5):235-9 (24 ref.) (Eng. Abstr.) **(Fre)**

POSITRON-EMISSION TOMOGRAPHY see **TOMOGRAPHY, EMISSION-COMPUTED**

POSITRONS see **ELECTRONS**

POST AND CORE TECHNIQUE

Labial endodontic access opening for mandibular incisors: endodontic and restorative considerations. Clements RE, et al. **J Can Dent Assoc** 1991 Jul;57(7):587-9 (25 ref.)

[Restoration of endodontically treated elements. A literature review on the mechanical behavior of post and core structures] Huysmans MC, et al. **Rev Belge Med Dent** 1990; 45(3):30-42 (61 ref.) (Eng. Abstr.) **(Fre)**

POST-INFARCTION HEART RUPTURE see **HEART RUPTURE, POST-INFARCTION**

POST-TRANSCRIPTIONAL RNA MODIFICATION see **RNA PROCESSING, POST-TRANSCRIPTIONAL**

POST-TRANSLATIONAL PROTEIN MODIFICATION see **PROTEIN PROCESSING, POST-TRANSLATIONAL**

POST-TRAUMATIC STRESS DISORDERS see **STRESS DISORDERS, POST-TRAUMATIC**

POSTAL SERVICE

The role of mail service pharmacies. Horgan C, et al. **Health Aff (Millwood)** 1990 Fall;9(3):66-74 (7 ref.)

ECONOMICS

Choices in prescription-drug benefit programs: mail versus community pharmacy services. Kirking DM, et al. **Milbank Q** 1990;68(1):29-51 (72 ref.)

POSTCOITAL CONTRACEPTIVES see **CONTRACEPTIVES, POSTCOITAL**

POSTCOMMISSUROTOMY SYNDROME see **POSTPERICARDIOTOMY SYNDROME**

POSTENCEPHALITIC PARKINSONISM see **PARKINSON DISEASE, POSTENCEPHALITIC**

POSTERIOR CRUCIATE LIGAMENT

INJURIES

The effect of bracing on the collateral ligaments of the knee. Baker BE. **Clin Sports Med** 1990 Oct;9(4):843-51 (44 ref.)

Posterior cruciate ligament injuries. Whipple TL, et al. **Clin Sports Med** 1991 Jul;10(3):515-27 (24 ref.)

Instability of the anterior and posterior cruciate ligaments. Arnoczky SP, et al. **Instr Course Lect** 1991;40:199-270 (324 ref.)

Operative management of acute PCL injuries with associated pathology: long-term results. Barrett GR, et al. **Orthopedics** 1991 Jun;14(6):687-92 (30 ref.)

INNERVATION

A sensory role for the cruciate ligaments. Johansson H, et al. **Clin Orthop** 1991 Jul;(268):161-78 (108 ref.)

POSTGASTRECTOMY SYNDROMES

COMPLICATIONS

[Postoperative reflux gastritis] Riabtsev VG, et al. **Klin Med (Mosk)** 1990 Sep;68(9):22-7 (74 ref.) **(Rus)**

PHYSIOPATHOLOGY

[Postgastrectomy syndrome] Tacke W, et al. **Med Klin** 1990 Oct 15;85(10):616-21 (57 ref.) **(Ger)**

[Pyloric sphincter and its role in the regulation of digestive processes] Tutchenko NI, et al. **Klin Khir** 1990;(8):47-50 (54 ref.) **(Rus)**

SURGERY

Surgical options in postgastrectomy syndromes. Delcore R, et al. **Surg Clin North Am** 1991 Feb;71(1):57-75 (107 ref.)

POSTMARKETING PRODUCT SURVEILLANCE see **PRODUCT SURVEILLANCE, POSTMARKETING**

POSTMENOPAUSAL BONE LOSS see **OSTEOPOROSIS, POSTMENOPAUSAL**

POSTMENOPAUSAL HORMONE REPLACEMENT THERAPY see **ESTROGEN REPLACEMENT THERAPY**

POSTMENOPAUSAL OSTEOPOROSIS see **OSTEOPOROSIS, POSTMENOPAUSAL**

POSTMORTEM CHANGES

Electrical excitability of skeletal muscle postmortem in casework. Madea B, et al. **Forensic Sci Int** 1990 Oct; 47(3):207-27 (54 ref.)

POSTNATAL CARE

STANDARDS

Early postpartum discharge programs in the United States: a literature review and critique. Beck CT. **Women Health** 1991;17(1):125-38 (13 ref.)

POSTOPERATIVE CARE

The case for postoperative orthodontics in orthognathic surgery. Koole R, et al. **J Craniomaxillofac Surg** 1990 Oct; 18(7):293-6 (8 ref.)

Perioperative nutritional support. Buzby GP. **JPEN J Parenter Enteral Nutr** 1990 Sep-Oct;14(5 Suppl):197S-199S (7 ref.)

Perioperative nutritional support: immunologic defects. Christou N. **JPEN J Parenter Enteral Nutr** 1990 Sep-Oct; 14(5 Suppl):186S-192S (116 ref.)

The post-operative care of the older patient: the geriatric and rehabilitation perspective [comment] Murphy JB. **R I Med J** 1991 May;74(5):211-9 (25 ref.) Comment on: R I Med J 1991 May;74(5):205-10.

Immediate postoperative care of the cardiac surgical patient. Hendren WG, et al. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):3-12 (68 ref.)

Perioperative care of the pediatric patient. Coran AG. **Surg Annu** 1991;23 Pt 1:31-55 (82 ref.)

Post-bone marrow transplant patient management. Poliquin CM. **Yale J Biol Med** 1990 Sep-Oct;63(5):495-502 (9 ref.)

[Preoperative or neoadjuvant chemotherapy. Our experience with 37 patients] Escudero Barrilero A, et al. **Arch Esp Urol** 1991 May;44(4):379-92 (21 ref.) **(Spa)**

METHODS

Jejunal-rectal fistula as a complication of postoperative radiotherapy. Albu E, et al. **Am Surg** 1990 Nov; 56(11):697-9 (8 ref.)

Peri-operative care for oesophagectomy patients. Byth PL, et al. **Aust Clin Rev** 1991;11(1-2):45-50 (12 ref.)

Postsurgical care of elderly women with fractures of the proximal femur [see comments] Kennie DC, et al. **Br J Hosp Med** 1990 Aug;44(2):106-8, 110, 112-3 (51 ref.) Comment in: Br J Hosp Med 1990 Nov;44(5):318. Comment in: Br J Hosp Med 1990 Dec;44(6):384.

Postoperative follow-up of patients with early breast cancer. Patterns of care among clinical oncologists and a review of the literature. Loomer L, et al. **Cancer** 1991 Jan 1; 67(1):55-60 (18 ref.)

Early postoperative care and complications. Pelletier LC, et al. **Cardiovasc Clin** 1991;21(2):3-24 (100 ref.)

General principles of perioperative transplant care. Gruber SA, et al. **Crit Care Clin** 1990 Oct;6(4):893-8 (3 ref.)

Early postoperative care of the cardiac transplantation patient: routine considerations and immunosuppressive therapy. Bolman R 3d, et al. **Prog Cardiovasc Dis** 1990 Nov-Dec;33(3):137-48 (24 ref.)

VETERINARY

Fracture complications. An overview. Olmstead ML. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):641-6 (1 ref.)

POSTOPERATIVE COMPLICATIONS

Pre-surgical identification of the patient at risk for developing venous thromboembolism post-operatively. Brandjes DP, et al. **Acta Chir Scand Suppl** 1990;556:18-21 (16 ref.)

Complications of dermis-fat orbital implantation. Bosniak SL. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:170-81 (13 ref.)

Dehiscence of the proximal anastomosis of aortocoronary bypass graft. Cujec B, et al. **Am Heart J** 1990 Nov; 120(5):1217-20 (10 ref.)

Lymphomas following cardiac transplantation. Case report and review of the literature. Sklarin NT, et al. **Am J Hematol** 1991 Jun;37(2):105-11 (36 ref.)

Nasolacrimal obstruction after inferior meatus nasal antrostomy. Meyers AD, et al. **Arch Otolaryngol Head Neck Surg** 1991 Feb;117(2):208-11 (16 ref.)

Arterial hemorrhage after pancreatoduodenectomy. The 'sentinel bleed'. Brodsky JT, et al. **Arch Surg** 1991 Aug; 126(8):1037-40 (14 ref.)

Prosthetic valve endocarditis. Counsell CE, et al. **Br J Hosp Med** 1991 Jul;46(1):28-31 (26 ref.)

Bone marrow transplantation: introduction and overview. Champlin RE. **Cancer Treat Res** 1990;50:1-7 (25 ref.)

Late complications associated with the treatment of small-cell lung cancer. Feld R. **Cancer Treat Res** 1989; 45:301-23 (112 ref.)

Gynecologic factors in sexual dysfunction of the older woman. Goldstein MK, et al. **Clin Geriatr Med** 1991 Feb; 7(1):41-61 (57 ref.)

Complications in minimal incision surgery. Solomon MG. **Clin Podiatr Med Surg** 1991 Jan;8(1):221-42 (55 ref.)

Problems related to immunosuppression. Infection and malignancy occurring after solid organ transplantation. Dunn DL. **Crit Care Clin** 1990 Oct;6(4):955-77 (77 ref.)

Problems in the long-term renal allograft recipient. Fabrega AJ, et al. **Crit Care Clin** 1990 Oct;6(4):979-1005 (115 ref.)

Surgical and postoperative infections. Faro S. **Curr Opin Obstet Gynecol** 1989 Oct;1(1):18-22 (32 ref.)

Juridical and liability reflexes of bone marrow processing. Flores A. **Haematologica** 1991 Mar;76 Suppl 1:50-1 (11 ref.)

Infections following orthotopic liver transplantation. Arnow PM. **HPB Surg** 1991 Apr;3(4):221-32; discussion 232-3 (51 ref.)

The management of postoperative chylous ascites. A case report and literature review. Ohri SK, et al. **J Clin Gastroenterol** 1990 Dec;12(6):693-7 (47 ref.)

Intra- and early postoperative complications of the Le Fort I osteotomy. A retrospective study on 410 cases. de Mol van Otterloo JJ, et al. **J Craniomaxillofac Surg** 1991 Jul; 19(5):217-22 (48 ref.)

Post transplant hypertension. Raman GV. **J Hum Hypertens** 1991 Feb;5(1):1-6 (46 ref.)

Delayed hearing loss after neurovascular decompression. McDonnell DE, et al. **Neurosurgery** 1990 Dec; 27(6):997-1003 (33 ref.)

Orthopedic complications. Compartment syndrome, fat embolism syndrome, and venous thromboembolism. Slye DA. **Nurs Clin North Am** 1991 Mar;26(1):113-32 (58 ref.)

Complications of blepharoplasty. Wilkins RB, et al. **Ophthal Plast Reconstr Surg** 1985;1(3):195-8 (10 ref.)

Distinguishing the causes of post-transplantation hypertension. Curtis JJ. **Pediatr Nephrol** 1991 Jan; 5(1):108-11 (33 ref.)

Complications in management of thyroid cancer. Loré JM Jr. **Semin Surg Oncol** 1991 Mar-Apr;7(2):120-5 (15 ref.)

Postoperative bile duct strictures. Lillemoe KD, et al. **Surg Clin North Am** 1990 Dec;70(6):1355-80 (45 ref.)

[Fungal endocarditis after open heart surgery] Zhang TS, et al. **Chung Hua Wai Ko Tsa Chih** 1990 Nov; 28(11):699–700, 685 (19 ref.) **(Chi)**

[Postoperative urinary retention] Bjarnesen J, et al. **Ugeskr Laeger** 1991 Jul 1;153(27):1920–4 (30 ref.) (Eng. Abstr.) **(Dan)**

[Peroperative and early postoperative hypoxemia] Rosenberg J, et al. **Ugeskr Laeger** 1991 Apr 29;153(18):1262–4 (30 ref.) (Eng. Abstr.) **(Dan)**

[Late postoperative hypoxemia] Rosenberg J, et al. **Ugeskr Laeger** 1991 Apr 29;153(18):1265–8 (30 ref.) (Eng. Abstr.) **(Dan)**

[Postoperative epiphora] Fayet B, et al. **Ann Chir Plast Esthet** 1990;35(3):183–7 (19 ref.) (Eng. Abstr.) **(Fre)**

[Hazards and complications of ethmoidal surgery] Bouton V, et al. **Ann Otolaryngol Chir Cervicofac** 1991; 108(4):219–26 (23 ref.) (Eng. Abstr.) **(Fre)**

[Prosthetic bypasses: can we improve the results?] Taylor RS. **J Mal Vasc** 1991;16(1):18–22 (6 ref.) (Eng. Abstr.) **(Fre)**

[Surgical treatment of neovascular glaucoma] Andreanos D, et al. **Ophtalmologie** 1987 Jul–Sep;1(3):377–9 (12 ref.) **(Fre)**

[Respiratory risk of general surgery in adults] Cohendy R, et al. **Rev Pneumol Clin** 1991;47(1):10–20 (102 ref.) (Eng. Abstr.) **(Fre)**

[Cervico-mediastinal complications in cervical surgery and radiotherapy (tracheal excepted)] Redaelli de Zinis LO, et al. **Acta Otorhinolaryngol Ital** 1990;10 Suppl 30:139–55 (126 ref.) **(Ita)**

[Aneurysms of the femoral artery] Napolitano AM, et al. **G Chir** 1988 Jul–Aug;9(7–8):480–9 (16 ref.) (Eng. Abstr.) **(Ita)**

[Neoplasms of Vater's papilla. Diagnosis and surgical treatment] Nobili P, et al. **G Chir** 1988 Oct;9(10):662–9 (40 ref.) (Eng. Abstr.) **(Ita)**

[Psychopathological disorders before and after heart surgery] Götze P. **Recenti Prog Med** 1991 Jan;82(1):54–8 (26 ref.) (Eng. Abstr.) **(Ita)**

[Rupture of an infected vein graft in the course of mediastinitis following coronary artery bypass grafting: report of a case] Kohno H, et al. **Kyobu Geka** 1990 Nov; 43(12):996–9 (11 ref.) (Eng. Abstr.) **(Jpn)**

[Acute hearing loss in the contralateral ear after acoustic tumor removal] Harada K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1990 Nov;93(11):1864–8 (12 ref.) (Eng. Abstr.) **(Jpn)**

[Left atrial thrombus in the early postoperative period after mitral valve replacement] Take A, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jul;39(7):1039–48 (46 ref.) (Eng. Abstr.) **(Jpn)**

[Endoscopic sphincterotomy in choledocholithiasis: analysis of an experience of 530 interventions] Ginestal-Cruz A, et al. **Acta Med Port** 1990 May–Jun;3(3):133–40 (30 ref.) (Eng. Abstr.) **(Por)**

[Late cardiac tamponade in heart surgery practice] Babliak DE, et al. **Grud Serdechnososudistaia Khir** 1990 Dec; (12):26–30 (28 ref.) (Eng. Abstr.) **(Rus)**

[Disruption of gastric emptying after vagotomy and resection in the early postoperative period] Podil'chak MD, et al. **Vestn Khir** 1990 Dec;145(12):99–101 (29 ref.) **(Rus)**

BLOOD

Erythropoiesis and erythropoietin levels in renal transplant recipients. Wolff M, et al. **Klin Wochenschr** 1991 Jan 22; 69(2):53–8 (68 ref.)

[Noncardiac risk factors in heart surgery—the blood coagulation system] Tilsner V, et al. **Z Kardiol** 1990;79 Suppl 4:63–70 (28 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Silent myocardial ischemia after bypass surgery and percutaneous transluminal coronary angioplasty. Gohlke-Bärwolf C, et al. **Adv Cardiol** 1990;37:288–96 (18 ref.)

Silent myocardial ischemia after coronary artery bypass graft surgery. Kennedy HL. **Adv Cardiol** 1990;37:261–9 (22 ref.)

Role of diagnostic imaging in the evaluation and treatment of post-operative complications of the urinary tract. Vaccaro JP, et al. **Br J Urol** 1991 Feb;67(2):113–24 (36 ref.)

Postoperative toxic shock syndrome. Hughes D, et al. **Iowa Med** 1991 Feb;81(2):55–8 (9 ref.)

Postoperative and postradiation changes in the pelvis. Hricak H. **Magn Reson Q** 1990 Oct;6(4):276–97 (41 ref.)

Long-term complications of cardiac transplantation. Miller LW. **Prog Cardiovasc Dis** 1991 Jan–Feb;33(4):229–82 (685 ref.)

The role of radiology in evaluation of the failing renal transplantation. Becker JA. **Radiol Clin North Am** 1991 May;29(3):511–26 (55 ref.)

Complications of bladder neck suspension procedures. Kelly MJ, et al. **Urol Clin North Am** 1991 May;18(2):339–8 (48 ref.)

Management of heart–lung transplant patients. Dennis C, et al. **Verh Dtsch Ges Inn Med** 1990;96:498–506 (24 ref.)

[3 cases of acute postoperative pancreatitis] Dimitrova V, et al. **Khirurgiia (Sofiia)** 1991;44(3):17–21 (23 ref.) (Eng. Abstr.) **(Bul)**

[Surgical treatment of acute craniocerebral trauma] Gugg E, et al. **Aktuel Traumatol** 1991 Apr;21(2):35–9 (14 ref.) (Eng. Abstr.) **(Ger)**

[Prevention and diagnosis of postoperative hemorrhage] Friedberg V. **Gynakologe** 1991 Jun;24(3):136–41 (18 ref.) **(Ger)**

[Noninvasive monitoring of rejection in heart transplant patients. An overview of current status and use at a small transplant center] Wasler A, et al. **Wien Klin Wochenschr** 1991;103(4):105–10 (51 ref.) (Eng. Abstr.) **(Ger)**

[Extracardiac risk factors in heart surgery—the kidney] Grabensee B, et al. **Z Kardiol** 1990;79 Suppl 4:47–57 (49 ref.) (Eng. Abstr.) **(Ger)**

[Extra-cardiac risk factors in heart surgery evaluated by the gastroenterologist] Strohmeyer G, et al. **Z Kardiol** 1990;79 Suppl 4:39–45 (31 ref.) (Eng. Abstr.) **(Ger)**

[Diagnosis, prevention and therapy of pulmonary complications in heart surgery interventions] Worth H, et al. **Z Kardiol** 1990;79 Suppl 4:31–8 (31 ref.) (Eng. Abstr.) **(Ger)**

[Traumatic hip dislocation during the years of growth. A review of the literature] Rieger H, et al. **Zentralbl Chir** 1991;116(3):155–63 (33 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Management of arrhythmias in the postbypass patient. Talajic M, et al. **Cardiovasc Clin** 1991;21(2):211–26 (93 ref.)

Thromboembolism prophylaxis. Choosing the proper method for surgical patients. Corapi MJ, et al. **Postgrad Med** 1991 Aug;90(2):233–40 (15 ref.)

Diagnosis and treatment of pneumonia in the surgical intensive care unit [published erratum appears in Surg Gynecol Obstet 1991 Apr;172(4):324] Burchard K. **Surg Gynecol Obstet** 1990;171 Suppl:35–40 (15 ref.)

Antifungal therapy and its use in surgical treatment. Perfect JR. **Surg Gynecol Obstet** 1990;171 Suppl:41–8 (68 ref.)

How and why aztreonam works. Rittenbury MS. **Surg Gynecol Obstet** 1990;171 Suppl:19–23 (16 ref.)

EPIDEMIOLOGY

Medical and surgical conditions predisposing to gastroesophageal reflux disease. Day JP, et al. **Gastroenterol Clin North Am** 1990 Sep;19(3):587–607 (91 ref.)

Ureteral obstruction and ureteral fistulas after aortofemoral or aortoiliac bypass surgery. Blasco FJ, et al. **J Urol** 1991 Feb;145(2):237–42 (95 ref.)

[Infective complications after liver transplant] Paya CV, et al. **Enferm Infecc Microbiol Clin** 1989 May;7(5):270–6 (24 ref.) **(Spa)**

ETIOLOGY

Starch peritonitis. A case report and clinicopathologic review. Klink B, et al. **Am Surg** 1990 Nov;56(11):672–4 (19 ref.)

Does tourniquet use during anterior cruciate ligament surgery interfere with postsurgical recovery of function? A review of the literature. Gutin B, et al. **Arthroscopy** 1991;7(1):52–6 (33 ref.)

Cytomegalovirus infection and interstitial pneumonia after bone marrow transplantation. Winston DJ, et al. **Cancer Treat Res** 1990;50:113–28 (73 ref.)

Coronary risk factors and the postbypass patient. Campeau L. **Cardiovasc Clin** 1991;21(2):123–33 (57 ref.)

Unstable angina: special considerations in the postbypass patient. Théroux P, et al. **Cardiovasc Clin** 1991;21(2):169–91 (123 ref.)

Iatrogenically induced hallux varus. Edelman RD. **Clin Podiatr Med Surg** 1991 Apr;8(2):367–82 (19 ref.)

Association of transfusion with postoperative bacterial infection. Triulzi DJ, et al. **Crit Rev Clin Lab Sci** 1990; 28(2):95–107 (77 ref.)

Colonic necrosis or fistula following pancreatitis or gastric surgery. Wille-Jørgensen P, et al. **Eur J Surg** 1991 Feb; 157(2):137–9 (11 ref.)

Carcinoma of the gastric stump: risks and pathogenesis. Northfield TC, et al. **Gut** 1990 Nov;31(11):1217–9 (42 ref.)

Pediatric liver transplantation. Seu P, et al. **HPB Surg** 1991; 3(3):145–66 (98 ref.)

Meningitis in the neurosurgical patient. Kaufman BA, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):677–701 (137 ref.)

Respiratory problems in emergence from anesthesia. Austin RL Jr. **Int Anesthesiol Clin** 1991 Spring;29(2):25–36 (21 ref.)

Recovery from anesthesia. Complications during recovery. Mecca RS. **Int Anesthesiol Clin** 1991 Spring;29(2):37–54 (80 ref.)

Special considerations in recovery of children from anesthesia. Patel R, et al. **Int Anesthesiol Clin** 1991 Spring; 29(2):55–68 (33 ref.)

Pharyngoplasty surgery and obstructive sleep apnoea. Ruddy J, et al. **J Laryngol Otol** 1991 Mar;105(3):195–7 (10 ref.)

Complications of gastroesophageal antireflux surgery in neurologically impaired versus neurologically normal children. Pearl RH, et al. **J Pediatr Surg** 1990 Nov; 25(11):1169–73 (20 ref.)

Clinical problems in patients with prosthetic heart valves. Mazeika P, et al. **J R Coll Physicians Lond** 1990 Jul; 24(3):167–72 (41 ref.)

Prosthetic infections due to bacterial biofilms: clinical and experimental observations. Bandyk DF. **J Vasc Surg** 1991 May;13(5):757–8 (9 ref.)

Pathogenesis of vascular graft infections. Chaudhary R, et al. **J Vasc Surg** 1991 May;13(5):755–6 (11 ref.)

Nutrition: its relationship to orthopedic infections. Smith TK. **Orthop Clin North Am** 1991 Jul;22(3):373–7 (43 ref.)

Complications in clubfoot surgery. Atar D, et al. **Orthop Rev** 1991 Mar;20(3):233–9 (44 ref.)

Complications in primary total knee arthroplasty. Huo MH, et al. **Orthop Rev** 1990 Sep;19(9):781–8 (80 ref.)

Complications associated with carpal tunnel release. Kuschner SH, et al. **Orthop Rev** 1991 Apr;20(4):346–52 (41 ref.)

Non-typhoid Salmonella in renal transplant recipients: a report of twenty cases and review of the literature. Dhar JM, et al. **Q J Med** 1991 Mar;78(287):235–50 (89 ref.)

Mycobacterial infection after renal transplantation—report of 14 cases and review of the literature. Qunibi WY, et al. **Q J Med** 1990 Oct;77(282):1039–60 (96 ref.)

Management of the injured renal transplant recipient. Urquhart CK, et al. **South Med J** 1991 Apr;84(4):524–6 (15 ref.)

Anterior perforations in lumbar discectomies. A report of four cases of vascular complications and a CT study of the prevertebral lumbar anatomy. Anda S, et al. **Spine** 1991 Jan;16(1):54–60 (75 ref.)

Alkaline reflux gastritis. Burden WR, et al. **Surg Clin North Am** 1991 Feb;71(1):33–44 (38 ref.)

The hazards of surgical glove dusting powders. Ellis H. **Surg Gynecol Obstet** 1990 Dec;171(6):521–7 (89 ref.)

Intestinal ischemia complicating abdominal aortic surgery. Brewster DC, et al. **Surgery** 1991 Apr;109(4):447–54 (36 ref.)

Compartment syndrome complicating prolonged use of the lithotomy position. Neagle CE, et al. **Surgery** 1991 Sep; 110(3):566–9 (18 ref.)

A comparison of general anesthesia and regional anesthesia as a risk factor for deep vein thrombosis following hip surgery: a critical review. Prins MH, et al. **Thromb Haemost** 1990 Dec 28;64(4):497–500 (36 ref.)

[Secondary postresection enteral insufficiency] Iarümov N, et al. **Khirurgiia (Sofiia)** 1990;43(5):89–93 (15 ref.) (Eng. Abstr.) **(Bul)**

[Infection of vascular prosthesis] Zimmerli W. **Fortschr Med** 1990 Oct 30;108(31):595–7 (22 ref.) (Eng. Abstr.) **(Ger)**

[Acute and chronic inflammatory reactions following implantation of artificial lenses] Treumer H. **Fortschr Ophthalmol** 1990;87 Suppl:S33–40 (34 ref.) (Eng. Abstr.) **(Ger)**

[Is assessment of complications following intra- and extracapsular cataract extraction with lens implantation biased? (see comments)] Vogel M. **Klin Monatsbl Augenheilkd** 1991 Jan;198(1):2–5 (37 ref.) (Eng. Abstr.) Comment in: Klin Monatsbl Augenheilkd 1991 Jan;198(1):1. **(Ger)**

[Chylous ascites after tumor nephrectomy with retroperitoneal lymphadenectomy] Eberl W, et al. **Monatsschr Kinderheilkd** 1991 Jan;139(1):47–50 (34 ref.) (Eng. Abstr.) **(Ger)**

[Complications of ventral fusion operations in degenerative intervertebral disk diseases] Kalff R, et al. **Neurochirurgia (Stuttg)** 1990 Nov;33(6):184–9 (38 ref.) (Eng. Abstr.) **(Ger)**

[Heterotopic ossifications from the trauma surgery viewpoint] Rieger H, et al. **Unfallchirurg** 1991 Mar; 94(3):144–52 (86 ref.) (Eng. Abstr.) **(Ger)**

[Current state of lung transplantation] Schäfers HJ. **Verh Dtsch Ges Inn Med** 1990;96:490–8 (25 ref.) **(Ger)**

[Indications for lung and heart-lung transplantation] Wagner TO, et al. **Verh Dtsch Ges Inn Med** 1990;96:476–83 (5 ref.) **(Ger)**

[Current state of lung transplantation] Schilling W. **Z Erkr Atmungsorgane** 1990;175(3):111–9 (30 ref.) (Eng. Abstr.) **(Ger)**

[Pregnancy, labor and postpartum development after kidney transplantation and triple therapy with cyclosporin A—follow-up in relation to literature review] Bung P, et al. **Z Geburtshilfe Perinatol** 1991 Jan–Feb;195(1):43–5 (23 ref.) (Eng. Abstr.) **(Ger)**

[Extracardiac risk factors in heart surgery—significance of anesthesia] Kettler D, et al. **Z Kardiol** 1990;79 Suppl 4:79–85 (32 ref.) (Eng. Abstr.) **(Ger)**

[Central nervous system risk factors in heart surgery] Rodewald G, et al. **Z Kardiol** 1990;79 Suppl 4:13–21 (74 ref.) (Eng. Abstr.) **(Ger)**

[Extracardiac risk factors in heart surgery—drugs] Weber E, et al. **Z Kardiol** 1990;79 Suppl 4:71–8 (27 ref.) (Eng. Abstr.) **(Ger)**

[Hip surgery in early childhood] Mittelmeier H. **Z Orthop** 1990 Jul–Aug;128(4):365–8 (7 ref.) (Eng. Abstr.) **(Ger)**

[Surgical sepsis: myths and realities] De Salvo L, et al. **G Chir** 1989 Mar;10(3):81–7 (35 ref.) (Eng. Abstr.) **(Ita)**

[Nephrological complications after bone marrow transplantation] Ratajczak MZ, et al. **Pol Tyg Lek** 1990 Oct 1–8;45(40–41):836–40 (34 ref.) **(Pol)**

[Endoscopic papillotomy] Ermolov AS, et al. **Khirurgiia (Mosk)** 1991 Mar;(3):129–34 (43 ref.) **(Rus)**

[Reinnervation of the stomach after vagotomy as a factor in ulcer recurrence] Filipovich NE, et al. **Khirurgiia (Mosk)** 1990 Dec;(12):146–51 (88 ref.) **(Rus)**

[Multiple organ failure syndrome in surgery] Pomelov VS,

et al. **Khirurgiia (Mosk)** 1990 Jul;(7):158–61 (58 ref.) **(Rus)**

[Etiology and pathogenesis of mitral restenosis] Cherkasov IIu, et al. **Revmatologiia (Mosk)** 1990 Oct–Dec;(4):50–4 (30 ref.) **(Rus)**

[Complications of rigid ureteroscopy] Vicente J, et al. **Actas Urol Esp** 1991 Jan–Feb;15(1):55–8 (24 ref.) (Eng. Abstr.) **(Spa)**

[Diarrhea after gastric surgery] Hurtado Andrade H. **Rev Gastroenterol Mex** 1990 Apr–Jun;55(2):101–4 (25 ref.) **(Spa)**

IMMUNOLOGY

Complement activation and organ function in critically ill surgical patients. Bengtson A, et al. **Acute Care** 1988–89; 14–15:111–37 (219 ref.)

Recapitulation of immune ontogeny: a vital component for the success of bone marrow transplantation. Lum LG. **Cancer Treat Res** 1990;50:27–54 (182 ref.)

Engraftment of T-cell–depleted bone marrow in murine models for allogeneic bone marrow transplantation. Reisner Y. **Cancer Treat Res** 1990;50:9–25 (44 ref.)

[TNF–alpha in allogeneic bone marrow transplantation. Significance for immunologic reconstitution, acute graft versus host disease and risk of complications after bone marrow transplantation] Holler E. **Fortschr Med** 1991 Apr 20;109(12):263–6 (0 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Atherosclerosis and lipid disorders after renal transplantation. Drüeke TB, et al. **Kidney Int Suppl** 1991 Apr;31:S24–8 (52 ref.)

[Management of metabolic alkalosis in the surgical patient] Pham Hung G, et al. **Ann Fr Anesth Reanim** 1991; 10(2):191–9; discussion 210–1 (62 ref.) **(Fre)**

MICROBIOLOGY

Clinical insights and observations contributing to the understanding of cytomegalovirus disease pathogenesis. Bone marrow transplantation. Forman SJ. **Transplant Proc** 1991 Jun;23(3 Suppl 3):110–4, discussion 114 (33 ref.)

MORTALITY

Prognostic significance of silent myocardial ischemia by exercise testing. Weiner DA. **Adv Cardiol** 1990;37:270–7 (28 ref.)

Improving survival in gastric cancer: review of operative mortality in English language publications from 1970. Macintyre IM, et al. **Br J Surg** 1991 Jul;78(7):771–6 (108 ref.)

Long-term clinical results after coronary artery bypass surgery. Bourassa MG. **Cardiovasc Clin** 1991;21(2):101–21 (58 ref.)

Future implications of current trends in bypass surgery. Lytle BW, et al. **Cardiovasc Clin** 1991;21(2):265–78 (45 ref.)

[Partial surgery in treatment of cancers of the piriform sinus and lateral epilarynx] Piquet JJ, et al. **Arch Otorhinolaryngol Suppl** 1991;1:47–53 (13 ref.) **(Ger)**

[Heart transplantation—current status and development] Reichart B, et al. **Internist (Berl)** 1990 Oct;31(10):641–7 (23 ref.) **(Ger)**

[Treatment of advanced non-small cell bronchial cancer—a review of the literature of the last 5 years] Prokop A, et al. **Langenbecks Arch Chir** 1991;376(1):32–7 (34 ref.) (Eng. Abstr.) **(Ger)**

[Research in risk assessment in neurosurgery] Dauch WA, et al. **Neurochirurgia (Stuttg)** 1991 Mar;34(2):45–52 (96 ref.) (Eng. Abstr.) **(Ger)**

[Surgical myocardial revascularization: indications, perioperative risk constellation and prognosis] Korb H, et al. **Versicherungsmedizin** 1991 Jun 1;43(3):79–83 (13 ref.) (Eng. Abstr.) **(Ger)**

[Heart transplantation. Developments up to now and prognosis] Stache G. **Versicherungsmedizin** 1990 Dec 1; 42(6):179–83 (18 ref.) (Eng. Abstr.) **(Ger)**

[Advantages and disadvantages of protective colostomy in surgery for cancer of the left colon. Results of a 20–year experience] Bertoldi I, et al. **G Chir** 1988 Mar–Apr; 9(3–4):221–4 (26 ref.) (Eng. Abstr.) **(Ita)**

NURSING

Shunt lengthening: a descriptive review. Greif L, et al. **J Neurosci Nurs** 1991 Apr;23(2):120–4 (18 ref.)

PATHOLOGY

Bone metastasis associated with shunt-related peritoneal deposits from a pineal germinoma. Case report and review of the literature. Pallini R, et al. **Acta Neurochir (Wien)** 1991;109(1–2):78–83 (35 ref.)

Chronic graft–versus–host disease. Sullivan KM. **Cancer Treat Res** 1990;50:79–98 (112 ref.)

Acute graft–versus–host disease. Vogelsang GB. **Cancer Treat Res** 1990;50:55–77 (110 ref.)

The pelvic ileal reservoir: pathology and pouchitis. Shepherd NA. **Neth J Med** 1990 Aug;37 Suppl 1:S57–64 (33 ref.)

PHYSIOPATHOLOGY

Postoperative and traumatic sepsis–like syndrome: a new understanding. Schlag G, et al. **Acute Care** 1988–89; 14–15:244–69 (195 ref.)

Left ventricular function after coronary bypass surgery. Bourassa MG. **Cardiovasc Clin** 1991;21(2):227–37 (49 ref.)

Cardiac transplantation as therapy for heart failure. Stevenson LW, et al. **Curr Probl Cardiol** 1991 Apr; 16(4):217–305 (216 ref.)

[Extracorporeal circulation as a risk factor in heart surgery] Birnbaum D, et al. **Z Kardiol** 1990;79 Suppl 4:87–93 (14 ref.) (Eng. Abstr.) **(Ger)**

[Diarrhea after gastric surgery] Hurtado Andrade H. **Rev Gastroenterol Mex** 1990 Apr–Jun;55(2):101–4 (25 ref.) **(Spa)**

PREVENTION & CONTROL

Prevention of venous thrombosis in patients undergoing major orthopaedic surgical procedures. Hirsh J. **Acta Chir Scand Suppl** 1990;556:30–5 (40 ref.)

Benefits of prophylaxis in general surgery. Nicolaides AN. **Acta Chir Scand Suppl** 1990;556:25–9 (45 ref.)

Rationale for development of low–molecular–weight heparins and their clinical potential in the prevention of postoperative venous thrombosis. Hirsh J. **Am J Surg** 1991 Apr;161(4):512–8 (73 ref.)

An overview of venous thromboembolism prophylaxis. Silver D. **Am J Surg** 1991 Apr;161(4):537–40 (24 ref.)

Efficacy of a postoperative regimen of enoxaparin in deep vein thrombosis prophylaxis. Turpie AG. **Am J Surg** 1991 Apr;161(4):532–6 (24 ref.)

Prophylaxis against venous thromboembolism in surgical patients. Wheeler HB, et al. **Am J Surg** 1991 Apr; 161(4):507–11 (32 ref.)

Safety of surgery in elderly. Pringle R. **Ann Acad Med Singapore** 1991 Mar;20(2):260–4 (18 ref.)

The serine antiprotease aprotinin (Trasylol): a novel approach to reducing postoperative bleeding. Royston D. **Blood Coagul Fibrinolysis** 1990 Mar–Apr;1(1):55–69 (74 ref.)

The use of antibiotics in the prevention of post–operative infection: a re–appraisal [see comments] Longman LP, et al. **Br Dent J** 1991 Apr 6;170(7):257–62 (55 ref.) Comment in: Br Dent J 1991 May 25;170(10):365.

Is postoperative oliguria avoidable? Sweny P. **Br J Anaesth** 1991 Aug;67(2):137–45 (45 ref.)

T–cell depletion for bone marrow transplantation: effects on graft rejection, graft–versus–host disease, graft–versus–leukemia, and survival. Champlin RE. **Cancer Treat Res** 1990;50:99–111 (81 ref.)

Therapeutic use of hematopoietic growth factors in bone marrow transplantation. Nimer SD, et al. **Cancer Treat Res** 1990;50:141–64 (216 ref.)

Total hip arthroplasty. The role of antiinflammatory medications in the prevention of heterotopic ossification. Kjaersgaard–Andersen P, et al. **Clin Orthop** 1991 Feb; (263):78–86 (66 ref.)

Prevention of complications and correction of postoperative problems in microsurgery of the lower extremity. Grotting JC. **Clin Plast Surg** 1991 Jul;18(3):485–9 (5 ref.)

Prevention of postoperative intra–abdominal adhesions. Tulandi T. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):287–90 (14 ref.)

Review of cefotaxime sodium for surgical prophylaxis. A model for the evolution toward single–dose or short–course cost–effective regimens [published erratum appears in Diagn Microbiol Infect Dis 1991 Mar–Apr;14(2):190] Jones RN. **Diagn Microbiol Infect Dis** 1990 Jul–Aug;13(4):317–27 (87 ref.)

Selective decontamination of the digestive tract in hepatobiliary surgery: a concept. Slooff MJ, et al. **HPB Surg** 1990 Mar;2(1):1–5 (39 ref.)

Postoperative endophthalmitis. Elston RA, et al. **J Hosp Infect** 1991 Apr;17(4):243–53 (49 ref.)

Pre–operative antimicrobial prophylaxis of infection. Willis AT. **Microbiol Sci** 1985 Jan;2(1):14, 19–21 (25 ref.)

Hyskon complications in hysteroscopic surgery. McLucas B. **Obstet Gynecol Surv** 1991 Apr;46(4):196–200 (29 ref.)

Avoiding complications following primary dermis–fat orbital implantation. Bosniak SL. **Ophthal Plast Reconstr Surg** 1985;1(4):237–41 (11 ref.)

Prevention of complications in surgical management of back pain and sciatica. Carlson G, et al. **Orthop Clin North Am** 1991 Apr;22(2):345–51 (39 ref.)

Meniscal salvage: maintenance of function. Dugas RW. **Orthopedics** 1991 Jun;14(6):717–9 (50 ref.)

Strategies and needs for nutritional support in cancer surgery. Schlag P, et al. **Recent Results Cancer Res** 1991;121:233–48 (37 ref.)

Antibiotic prophylaxis in orthopaedic surgery. Court–Brown CM. **Scand J Infect Dis Suppl** 1990;70:74–9 (27 ref.)

Antimicrobial prophylaxis in cardiovascular surgery. Freeman R. **Scand J Infect Dis Suppl** 1990;70:80–6 (14 ref.)

Antimicrobial prophylaxis in upper gastrointestinal, biliary, stomach and oesophageal surgery. Giercksky KE, et al. **Scand J Infect Dis Suppl** 1990;70:45–51 (25 ref.)

Antimicrobial prophylaxis in gynaecological and obstetric surgery. Gjønnaess H. **Scand J Infect Dis Suppl** 1990; 70:52–67 (123 ref.)

Antimicrobial prophylaxis in elective colorectal surgery and appendicitis. Roland M. **Scand J Infect Dis Suppl** 1990; 70:36–44 (25 ref.)

Achromobacter xylosoxidans: a drug–resistant pathogen in newborns and immunocompromised patients. Giacoia GP. **South Med J** 1990 Nov;83(11):1312–4 (22 ref.)

Abdominal wall considerations and complications in reoperative surgery. Fry DE, et al. **Surg Clin North Am** 1991 Feb;71(1):1–11 (15 ref.)

[5–Fluorouracil and trabeculectomy. A trial of low doses] Adenis JP, et al. **J Fr Ophtalmol** 1990;13(4):169–75 (44 ref.) (Eng. Abstr.) **(Fre)**

[Peranal anastomosis after deep resection of the rectum] Eigler FW. **Chirurg** 1991 Jan;62(1):12–6 (14 ref.) **(Ger)**

[Prevention of retinal detachment and treatment of retinoschisis] Messmer EP. **Fortschr Ophthalmol** 1990;87 Suppl:S62–9 (49 ref.) (Eng. Abstr.) **(Ger)**

[Keratoplasty. Progress and distant goals] Sundmacher R. **Fortschr Ophthalmol** 1990;87 Suppl:S206–14 (51 ref.) (Eng. Abstr.) **(Ger)**

[Preoperative cardiovascular risk assessment] Erdmann E. **Internist (Berl)** 1991 Apr;32(4):220–5 (25 ref.) **(Ger)**

[Avoidance of positioning–induced damage] Strauss H. **Klin Anasthesiol Intensivther** 1990;38:101–20 (37 ref.) **(Ger)**

[Perioperative prevention of thromboembolism in neurosurgery] Moskopp D, et al. **Neurochirurgia (Stuttg)** 1990 Sep;33(5):137–45 (153 ref.) (Eng. Abstr.) **(Ger)**

["Sound" surgical concepts and problematic indications in orthopedics] Mau H. **Z Orthop** 1991 Mar–Apr;129(2):141–5 (6 ref.) (Eng. Abstr.) **(Ger)**

[Physiopathology, prevention and treatment of postoperative respiratory insufficiency] Chiaranda M, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):559–64 (20 ref.) **(Ita)**

[Clinical experience with piperacillin in the prophylaxis of post–operative infections] Santi F. **Minerva Med** 1990 Oct; 81(10):701–5 (15 ref.) (Eng. Abstr.) **(Ita)**

[Non–medicamentous treatment of ventricular tachyarrhythmias: clinical aspects] Klein G, et al. **Grud Serdechnososudistaia Khir** 1991 Mar;(3):18–23 (15 ref.) (Eng. Abstr.) **(Rus)**

[Laser irradiation of blood in surgery] Gostishchev VK, et al. **Khirurgiia (Mosk)** 1991 Jan;(1):121–5 (98 ref.) **(Rus)**

[Prevention of adhesive disease] Kurguzov OP, et al. **Khirurgiia (Mosk)** 1990 Oct;(10):153–9 (152 ref.) **(Rus)**

[Prevention of acute postoperative pancreatitis] Dotsenko AP, et al. **Klin Khir** 1990;(11):48–52 (58 ref.) **(Rus)**

PSYCHOLOGY

Psychiatric aspects of head and neck surgery. Part I: New surgical techniques and psychiatric consequences. Bronheim H, et al. **Gen Hosp Psychiatry** 1991 May; 13(3):165–76 (54 ref.)

Coping with heart transplantation: a challenge for liaison psychiatry. Zumbrunnen R. **Psychother Psychosom** 1989; 52(1–3):66–73 (38 ref.)

[Psychosocial management of glioma patients treated with combined therapy] Schmidt B, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Aug; 42(8):494–9 (16 ref.) (Eng. Abstr.) **(Ger)**

[Life style and quality of life of children and adolescents following malignant tumor disease] Häberle H, et al. **Zentralbl Chir** 1990;115(15):925–32 (12 ref.) (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Radiological evaluation of gastric stapling procedures for morbid obesity. Goodman P, et al. **Crit Rev Diagn Imaging** 1991;32(1):37–67 (37 ref.)

Bone marrow transplantation: clinical and radiologic aspects. Patzik SB, et al. **Radiographics** 1991 Jul;11(4):601–10 (15 ref.)

[Complications of osteosynthesis in the x–ray picture] Rosenthal H, et al. **Radiologe** 1991 Apr;31(4):186–91 (18 ref.) (Eng. Abstr.) **(Ger)**

[Arteriovenous fistula of the superior mesenteric artery after resection of the ileum] von Kroge H, et al. **Vasa** 1991; 20(2):169–75 (21 ref.) (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Diagnosing prosthetic joint infection [editorial; comment] Alazraki NP. **J Nucl Med** 1990 Dec;31(12):1955–7 (10 ref.) Comment on: J Nucl Med 1990 Dec;31(12):1950–5.

RADIOTHERAPY

Prevention of heterotopic ossification in high–risk patients by radiation therapy. Ayers DC, et al. **Clin Orthop** 1991 Feb;(263):87–93 (44 ref.)

REHABILITATION

Pre– and postoperative rehabilitation related to epilepsy surgery. Silfvenius H. **Acta Neurochir Suppl (Wien)** 1990; 50:100–6 (64 ref.)

Cardiac rehabilitation after coronary bypass surgery. Juneau M, et al. **Cardiovasc Clin** 1991;21(2):25–42 (118 ref.)

The post–operative care of the older patient: the geriatric and rehabilitation perspective [comment] Murphy JB. **R I Med J** 1991 May;74(5):211–9 (25 ref.) Comment on: R I Med J 1991 May;74(5):205–10.

SURGERY

Repeat operation for failure of antireflux procedures. Gott JP, et al. **Surg Clin North Am** 1991 Feb;71(1):13–32 (47 ref.)

Intestinal injury after lumbar discectomy. Smith EB, et al. **Surg Gynecol Obstet** 1991 Jul;173(1):22–4 (16 ref.)
[Recurrent spontaneous colon perforation in type 4 Ehlers–Danlos syndrome. Case report and review of the literature] Mayrhofer T, et al. **Chirurg** 1991 Jan;62(1):57–9 (14 ref.) **(Ger)**
[Second look operation from the current viewpoint] Janisch H. **Gynakol Rundsch** 1990;30(4):214–20 (10 ref.) (Eng. Abstr.) **(Ger)**
[Improvement of hearing function through ear reoperation. The role of tympanic revision for functional indications] Hildmann H. **HNO** 1991 Feb;39(2):43–7 (17 ref.) (Eng. Abstr.) **(Ger)**
[Complications of endonasal surgery of the paranasal sinuses. Special anatomy, pathomechanisms, surgical management] Rauchfuss A. **HNO** 1990 Sep;38(9):309–16 (54 ref.) (Eng. Abstr.) **(Ger)**
[Diagnosis and surgical treatment of craniocerebral trauma within the scope of polytrauma management] Zink PM, et al. **Unfallchirurg** 1991 Mar;94(3):122–8 (30 ref.) (Eng. Abstr.) **(Ger)**
[Basic considerations in fractures of the trochanter major in and after angle plate osteosynthesis] Ritter G, et al. **Unfallchirurgie** 1991 Apr;17(2):106–10 (7 ref.) (Eng. Abstr.) **(Ger)**
[Extra-cardiac risk factors in heart surgery—the vascular system] Dalichau H. **Z Kardiol** 1990;79 Suppl 4:23–9 (9 ref.) (Eng. Abstr.) **(Ger)**
[Intra-operative complications in arthroscopic operations. Results of a re-arthroscopy study] Beickert R, et al. **Zentralbl Chir** 1991;116(8):495–500 (17 ref.) (Eng. Abstr.) **(Ger)**
[Reinterventions in bilio-digestive anastomosis] Morino F, et al. **G Chir** 1988 Sep;9(9):614–21 (0 ref.) **(Ita)**
[A report of successful treatment of mediastinitis and graft infection after ascending and aortic arch reconstruction] Harakawa I, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Oct;38(10):2112–6 (10 ref.) (Eng. Abstr.) **(Jpn)**
[Report of a case which survived rupture in a hepatic artery mycotic aneurysm after aortic valve replacement] Makino T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Jul; 38(7):1236–40 (20 ref.) (Eng. Abstr.) **(Jpn)**
[A case of bacterial aneurysm following Hardy's operation] Takahashi Y, et al. **No Shinkei Geka** 1991 Jul;19(7):665–9 (20 ref.) (Eng. Abstr.) **(Jpn)**
[Repeat surgery in patients with heart valve prostheses] Narsiia BE. **Grud Serdechnososudistaia Khir** 1991 Feb; (2):45–8 (63 ref.) **(Rus)**
[Dermatoplasty using autologous transplants in postoperative ventral hernia] Nartsissov TV, et al. **Klin Khir** 1991;(3):65–7 (79 ref.) **(Rus)**

THERAPY

Suggestion, relaxation, and hypnosis as adjuncts in the care of surgery patients: a review of the literature. Blankfield RP. **Am J Clin Hypn** 1991 Jan;33(3):172–86 (48 ref.)
Endoscopic management of postoperative biliary leaks: review of 77 cases and report of two cases with biloma formation. Binmoeller KF, et al. **Am J Gastroenterol** 1991 Feb;86(2):227–31 (20 ref.)
Chylous ascites following abdominal aortic surgery. Williams RA, et al. **Ann Vasc Surg** 1991 May;5(3):247–52 (20 ref.)
Evaluation of the patient with stable angina following coronary artery bypass surgery. Miller DD. **Cardiovasc Clin** 1991;21(2):137–67 (81 ref.)
Early postoperative care and complications. Pelletier LC, et al. **Cardiovasc Clin** 1991;21(2):3–24 (100 ref.)
Angioplasty of bypass grafts and native arteries. Waters D, et al. **Cardiovasc Clin** 1991;21(2):241–56 (35 ref.)
Urologic considerations in geriatric erectile failure. Mulligan T, et al. **Clin Geriatr Med** 1991 Feb;7(1):73–84 (55 ref.)
Orthotopic liver transplantation: management of early postoperative complications [see comments] Forbes GM, et al. **J Gastroenterol Hepatol** 1989 Sep–Oct;4(5):449–56 (41 ref.) Comment in: J Gastroenterol Hepatol 1989 Sep–Oct;4(5):479–81.
Clinicopathological approach to human liver allograft dysfunction [see comments] McCaughan GW, et al. **J Gastroenterol Hepatol** 1989 Sep–Oct;4(5):467–77 (52 ref.) Comment in: J Gastroenterol Hepatol 1989 Sep–Oct;4(5):479–81.
Management and control of infectious complications. Keys TF, et al. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):71–4 (24 ref.)
Acute renal failure after open heart surgery: newer concepts and current therapy. Paganini EP, et al. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):63–70 (30 ref.)
Management of ventilator dependency following heart surgery. Sivak ED. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):53–62 (65 ref.)
Reoperative versus conservative management for gastrointestinal fistulas. Rubelowsky J, et al. **Surg Clin North Am** 1991 Feb;71(1):147–57 (30 ref.)
Post-bone marrow transplant patient management. Poliquin CM. **Yale J Biol Med** 1990 Sep–Oct;63(5):495–502 (9 ref.)
[The treatment of severe forms of diffuse suppurative peritonitis] Korukov B, et al. **Khirurgiia (Sofiia)** 1991; 44(3):57–60 (49 ref.) **(Bul)**
[Metabolic risk factors in heart surgery] Schwandt P. **Z Kardiol** 1990;79 Suppl 4:59–62 (24 ref.) (Eng. Abstr.) **(Ger)**
[The current approaches to choosing a rational procedure for the pregnancy and labor management of women with a scar on the uterus] Strizhakov AN, et al. **Akush Ginekol (Mosk)** 1991 Feb;(2):8–13 (62 ref.) **(Rus)**
[Electric stimulation of respiration in chronic nonspecific lung diseases in surgical practice] Vasil'ev VN, et al. **Vestn Khir** 1990 Apr;144(4):148–50 (21 ref.) **(Rus)**

VETERINARY

Sir Frederick Hobday Memorial Lecture. All wind and water: some progress in the study of equine gut motility. Gerring EL. **Equine Vet J** 1991 Mar;23(2):81–5 (18 ref.)
Nutritional support in the surgical patient. Remillard RL, et al. **Semin Vet Med Surg (Small Anim)** 1990 Aug; 5(3):197–207 (43 ref.)
Fracture complications. An overview. Olmstead ML. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):641–6 (1 ref.)
Complications of fractures repaired with plates and screws. Olmstead ML. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):669–86 (4 ref.)
Complications of fractures repaired with casts and splints. Tomlinson J. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):735–44 (1 ref.)

POSTOPERATIVE PERIOD

[Metabolico-nutritional strategy in postoperative intensive therapy] Zanello M, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):501–5 (0 ref.) **(Ita)**

POSTOPERATIVE WOUND INFECTION see **SURGICAL WOUND INFECTION**

POSTOVULATORY PHASE see **LUTEAL PHASE**

POSTPARTUM HEMORRHAGE

Postpartum hemorrhage: placenta accreta, uterine inversion, and puerperal hematomas. Zahn CM, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):422–31 (38 ref.)

COMPLICATIONS

Hypovolemia due to hemorrhage. Lowe TW. **Clin Obstet Gynecol** 1990 Sep;33(3):454–9 (29 ref.)

ETIOLOGY

Bernard-Soulier syndrome in pregnancy; a report of four pregnancies in one patient, and review of the literature. Saade G, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 Jul 1;40(2):149–52 (7 ref.)
[Hemorrhage after delivery of the infant] Rath W, et al. **Gynakologe** 1991 Jun;24(3):160–9 (45 ref.) **(Ger)**
[Current state of the problem of anemia in pregnancy and the corrective therapy of postpartum hemorrhage] Saburov KhS, et al. **Akush Ginekol (Mosk)** 1990 Jul;(7):10–2 (45 ref.) **(Rus)**

PREVENTION & CONTROL

[Can the blood loss associated with delivery be reduced? (editorial)] Pierre F. **Presse Med** 1990 Dec 22–29; 19(44):2012–4 (9 ref.) **(Fre)**

SURGERY

[Internal iliac artery ligation in gynecology and obstetrics] Dai ZY. **Chung Hua Fu Chan Ko Tsa Chih** 1991 Jan; 26(1):52–5 (23 ref.) **(Chi)**

THERAPY

Massive transfusion: a current review. Nolan TE, et al. **Obstet Gynecol Surv** 1991 May;46(5):289–95 (37 ref.)
Management of postpartum uterine atony. Ferland RJ, et al. **R I Med J** 1990 Dec;73(12):626–7 (7 ref.)

POSTPARTUM PERIOD see **PUERPERIUM**

POSTPERICARDIOTOMY SYNDROME

[Postcardiac injury syndrome] Nielsen SL, et al. **Ugeskr Laeger** 1991 Mar 25;153(13):924–6 (30 ref.) (Eng. Abstr.) **(Dan)**

POSTPHLEBITIC DISEASE see **POSTPHLEBITIC SYNDROME**

POSTPHLEBITIC SYNDROME

COMPLICATIONS

[The dermatologic lesions of the postphlebitic syndrome] Doss N, et al. **Tunis Med** 1991 Feb;69(2):79–81 (6 ref.) **(Fre)**

SURGERY

[Methods of solving the problem of the surgical treatment of post-thrombophlebitic disease of the lower extremities] Savel'ev VS, et al. **Grud Serdechnososudistaia Khir** 1990; (7):33–6 (10 ref.) **(Rus)**

THERAPY

Development of the postthrombotic syndrome: its management at different stages. Halliday P. **World J Surg** 1990 Sep–Oct;14(5):703–10 (44 ref.)

POSTPHLEBITIC ULCER see **POSTPHLEBITIC SYNDROME**

POSTPOLIOMYELITIS MUSCULAR ATROPHY see **POSTPOLIOMYELITIS SYNDROME**

POSTPOLIOMYELITIS SYNDROME

New dimensions to poliomyelitis. Sehgal H. **Indian Pediatr** 1990 May;27(5):433–6 (14 ref.)

PATHOLOGY

Postpolio syndrome. Dalakas M. **Curr Opin Rheumatol** 1990 Dec;2(6):901–7 (4 ref.)

POSTURE

Positioning principles. An anatomical review. Smith KA. **AORN J** 1990 Dec;52(6):1196–202, 1204, 1206–8 (11 ref.)
Why asthmatic patients should not sleep in the right lateral decubitus position. Backon J, et al. **Br J Clin Pract** 1990 Nov;44(11):448–9 (30 ref.)
Acute and chronic postural abnormalities as related to craniofacial pain and temporomandibular disorders. Mannheimer JS, et al. **Dent Clin North Am** 1991 Jan; 35(1):185–208 (103 ref.)
Isometric features of orthostatic tremor: an electromyographic analysis. Walker FO, et al. **Muscle Nerve** 1990 Oct;13(10):918–22 (12 ref.)
Maternal positions during labor. Johnson N, et al. **Obstet Gynecol Surv** 1991 Jul;46(7):428–34 (65 ref.)
Compartment syndrome complicating prolonged use of the lithotomy position. Neagle CE, et al. **Surgery** 1991 Sep; 110(3):566–9 (18 ref.)
[Avoidance of positioning-induced damage] Strauss H. **Klin Anasthesiol Intensivther** 1990;38:101–20 (37 ref.) **(Ger)**
[Ultrasonic study of the dimensions of the common bile duct in various postures] Lorenzon G, et al. **Radiol Med (Torino)** 1990 Oct;80(4):455–62 (28 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Posture in otoneurology. Volume I. Norré ME. **Acta Otorhinolaryngol Belg** 1990;44(2):55–181 (0 ref.)
Posture in otoneurology. Volume II. Norré ME. **Acta Otorhinolaryngol Belg** 1990;44(3):183–363 (1429 ref.)
Vestibulospinal and neck reflexes: interaction in the vestibular nuclei. Wilson VJ. **Arch Ital Biol** 1991 Jan;129(1):43–52 (44 ref.)
Human postural dynamics. Johansson R, et al. **Crit Rev Biomed Eng** 1991;18(6):413–37 (236 ref.)
Changes in posture control across the life span—a systems approach. Woollacott MH, et al. **Phys Ther** 1990 Dec; 70(12):799–807 (38 ref.)
On the interpretation of asymmetries of posture and locomotion produced with dopamine agonists in animals with unilateral depletion of striatal dopamine. Miller R, et al. **Prog Neurobiol** 1991;36(3):229–56 (187 ref.)
Biomechanics of cycling and factors affecting performance. Too D. **Sports Med** 1990 Nov;10(5):286–302 (139 ref.)
[From posture to initiation of movement] Agid Y. **Rev Neurol (Paris)** 1990;146(10):536–42 (46 ref.) (Eng. Abstr.) **(Fre)**
[Stress on the coxal end of the femur during loading in the hip joint flexion posture] Savvidis E. **Aktuel Probl Chir Orthop** 1990;39:1–56 (63 ref.) **(Ger)**
[Recent developments in position sensors] Schaldach M, et al. **Biomed Tech (Berlin)** 1990;35 Suppl 3:207–9 (6 ref.) **(Ger)**
[Dynamic balance in the prevention of growth disorders] Martini G, et al. **Clin Ter** 1990 Jun 30;133(6):405–11 (20 ref.) (Eng. Abstr.) **(Ita)**
[Venous air embolism following repositioning from sitting to supine] Inomata S, et al. **Masui** 1991 Feb;40(2):313–8 (26 ref.) (Eng. Abstr.) **(Jpn)**

POSTVIRAL FATIGUE SYNDROME see **FATIGUE SYNDROME, CHRONIC**

POTASSIUM

see related
HYPERKALEMIA
HYPOKALEMIA

ADMINISTRATION & DOSAGE

Effect of potassium intake on blood pressure. Krishna GG. **J Am Soc Nephrol** 1990 Jul;1(1):43–52 (77 ref.)
Sodium and potassium intakes in Ireland. Flynn A, et al. **Proc Nutr Soc** 1990 Jul;49(2):323–32 (55 ref.)

ADVERSE EFFECTS

[Industrial factors in the production and processing of potash fertilizers and their effect on the body (review of the

literature)] Khodykina TM. **Gig Tr Prof Zabol** 1990; (8):42–6 (56 ref.) **(Rus)**

ANALYSIS

The physical state of potassium ion in the living cell. Ling GN. **Scanning Microsc** 1990 Sep;4(3):737–50; discussion 750–68 (71 ref.)

ANTAGONISTS & INHIBITORS

Channel specificity in antiarrhythmic drug action. Mechanism of potassium channel block and its role in suppressing and aggravating cardiac arrhythmias. Colatsky TJ, et al. **Circulation** 1990 Dec;82(6):2235–42 (61 ref.)

BLOOD

[The modification of the potassium concentration in blood by catecholamines. A literature review] Kaltofen A, et al. **Anasth Intensivther Notfallmed** 1990 Dec;25(6):405–10 (61 ref.) (Eng. Abstr.) **(Ger)**

[Sodium, potassium, calcium in chronic renal insufficiency] Locatelli F, et al. **G Ital Cardiol** 1990 May;20(5):449–62 (85 ref.) **(Ita)**

METABOLISM

Steroidogenesis and ionic permeability in adrenal glomerulosa cells. Marusic ET, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):171–6 (20 ref.)

Rubidium: a companion of potassium or an essential trace element of its own? Selin E, et al. **Beitr Infusionther** 1991; 27:86–103 (21 ref.)

Potassium selective ion channels in insulin-secreting cells: physiology, pharmacology and their role in stimulus-secretion coupling. Dunne MJ, et al. **Biochim Biophys Acta** 1991 Mar 7;1071(1):67–82 (161 ref.)

Role of exercise-induced potassium fluxes underlying muscle fatigue: a brief review. Sjøgaard G. **Can J Physiol Pharmacol** 1991 Feb;69(2):238–45 (106 ref.)

Dietary, total body, and intracellular potassium–to–sodium ratios and their influence on cancer. Jansson B. **Cancer Detect Prev** 1990;14(5):563–5 (9 ref.)

Essential hypertension in blacks: epidemiology, characteristics, and possible roles of racial differences in sodium, potassium, and calcium regulation. Aviv A, et al. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:335–42 (112 ref.)

A study of urinary and intracellular sodium and potassium, renin, aldosterone, and hypertension in blacks and Indians in Natal. Hoosen S, et al. **Cardiovasc Drugs Ther** 1990 Mar; 4 Suppl 2:363–5 (23 ref.)

Potassium and calcium intake, excretion, and homeostasis in blacks, and their relation to blood pressure. Langford HG, et al. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:403–6 (19 ref.)

Diuretics and cation transport in hypertensive blacks. Quintanilla AP, et al. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:383–7 (52 ref.)

Endocrine crises. Hyperkalemia. Williams ME. **Crit Care Clin** 1991 Jan;7(1):155–74 (85 ref.)

The chloride-stimulated K(+)-secretion by insect midgut and its modification in the presence of osmotic gradients: a short-circuit current and noise-analysis study. Zeiske W, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):399–404 (10 ref.)

Massive increases in extracellular potassium and the indiscriminate release of glutamate following concussive brain injury. Katayama Y, et al. **J Neurosurg** 1990 Dec; 73(6):889–900 (85 ref.)

The role of potassium in the pathogenesis and treatment of hypertension [clinical conference] Linas SL. **Kidney Int** 1991 Apr;39(4):771–86 (107 ref.)

Sodium and potassium transport by the collecting duct. Stokes JB. **Kidney Int** 1990 Oct;38(4):679–86 (77 ref.)

Maturation of renal potassium transport. Satlin LM. **Pediatr Nephrol** 1991 Mar;5(2):260–9 (100 ref.)

Na–Ca or Na–Ca–K exchange in rod photoreceptors. Schnetkamp PP. **Prog Biophys Mol Biol** 1989;54(1):1–29 (70 ref.)

Conformational transitions in the alpha-subunit and ion occlusion. Jørgensen PL. **Soc Gen Physiol Ser** 1991; 46:189–200 (25 ref.)

[Na–K–Cl cotransport system in red blood cells] Jin Y. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):43–7 (30 ref.) **(Chi)**

[Adrenergic regulation of potassium homeostasis] Martin C, et al. **Med Clin (Barc)** 1991 Mar 23;96(11):424–7 (106 ref.) **(Spa)**

PHARMACOKINETICS

Studies of terminal differentiation of electrolyte transport in the renal proximal tubule using short-term primary cultures. Larsson SH, et al. **Pediatr Nephrol** 1989 Jul; 3(3):363–8 (45 ref.)

[Ion and water transport in human large intestine in the normal state and pathology] Loginov AS, et al. **Klin Med (Mosk)** 1990 Sep;68(9):28–31 (36 ref.) **(Rus)**

PHARMACOLOGY

Relationship between dietary cations and blood pressure. Kesteloot H. **Ann Nutr Metab** 1991;35 Suppl 1:109–18 (13 ref.)

Variations in voltage-dependent stimulation of the Na+/K+ pump in Xenopus oocytes by external potassium. Schwarz W, et al. **Soc Gen Physiol Ser** 1991;46:327–38 (30 ref.)

[Excitation-contraction coupling in skeletal muscle: characteristics of biphasic potassium contractures] Takauji M, et al. **Nippon Seirigaku Zasshi** 1991;53(4):117–35 (94 ref.) **(Jpn)**

PHYSIOLOGY

Exercise-induced muscle fatigue: the significance of potassium. Sjøgaard G. **Acta Physiol Scand Suppl** 1990; 593:1–63 (238 ref.)

Potassium in the perioperative period. Vaughan RS. **Br J Anaesth** 1991 Aug;67(2):194–200 (41 ref.)

POTASSIUM CHANNELS

DRUG EFFECTS

Potassium channel blockers: could they work in Alzheimer disease? Wiseman EJ, et al. **Alzheimer Dis Assoc Disord** 1991 Spring;5(1):25–30 (38 ref.)

Mechanism of the vasodilator action of pinacidil. Mulvany MJ, et al. **Blood Vessels** 1990;27(2–5):314–8 (15 ref.)

The potassium channel openers: a new class of vasorelaxants. Weston AH, et al. **Blood Vessels** 1990;27(2–5):306–13 (33 ref.)

K(+)-channel openers: new antihypertensive drugs? Haeusler G. **Clin Physiol Biochem** 1990;8 Suppl 2:46–56 (63 ref.)

Mechanisms of vasodilatation induced by potassium–channel activators. Kajioka S, et al. **Clin Sci** 1991 Aug;81(2):129–39 (151 ref.)

Potassium channel openers. Pharmacological effects and future uses. Duty S, et al. **Drugs** 1990 Dec;40(6):785–91 (56 ref.)

Cardiovascular and biological effects of K+ channel openers, a class of drugs with vasorelaxant and cardioprotective properties. Richer C, et al. **Life Sci** 1990;47(19):1693–705 (60 ref.)

Potassium channel openers and vascular smooth muscle relaxation. Edwards G, et al. **Pharmacol Ther** 1990; 48(2):237–58 (258 ref.)

Structure–activity relationships of K+ channel openers. Edwards G, et al. **Trends Pharmacol Sci** 1990 Oct; 11(10):417–22 (40 ref.)

GENETICS

Voltage-dependent potassium channels: minK and Shaker families. Kaczmarek LK. **New Biol** 1991 Apr;3(4):315–23 (85 ref.)

Molecular characterization of mammalian tachykinin receptors and a possible epithelial potassium channel. Nakanishi S, et al. **Recent Prog Horm Res** 1990;46:59–83; discussion 83–4 (49 ref.)

METABOLISM

Direct opening of S-type K+ channels of Aplysia sensory neurons by 12-lipoxygenase metabolites. Volterra A, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:727–30 (10 ref.)

Potassium selective ion channels in insulin-secreting cells: physiology, pharmacology and their role in stimulus-secretion coupling. Dunne MJ, et al. **Biochim Biophys Acta** 1991 Mar 7;1071(1):67–82 (161 ref.)

Ca2(+)-activated K+ currents in smooth muscle. Akbarali H, et al. **Can J Physiol Pharmacol** 1990 Nov;68(11):1489–94 (62 ref.)

Channel specificity in antiarrhythmic drug action. Mechanism of potassium channel block and its role in suppressing and aggravating cardiac arrhythmias. Colatsky TJ, et al. **Circulation** 1990 Dec;82(6):2235–42 (61 ref.)

Structural basis of potassium channel diversity in the nervous system. Pongs O. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec;1(1–4):31–9 (27 ref.)

[G protein--regulation of K channel] Kurachi Y. **Seikagaku** 1991 Jun;63(6):433–7 (18 ref.) **(Jpn)**

PHYSIOLOGY

Effects of ethanol on calcium channels, potassium channels, and vasopressin release. Treistman SN, et al. **Ann N Y Acad Sci** 1991;625:249–63 (32 ref.)

Magnesium gating of the inwardly rectifying K+ channel. Matsuda H. **Annu Rev Physiol** 1991;53:289–98 (37 ref.)

Role of potassium channels in the vascular response to endogenous and pharmacological vasodilators. Brayden JE, et al. **Blood Vessels** 1991;28(1–3):147–53 (35 ref.)

Roles of G proteins in coupling of receptors to ionic channels and other effector systems. Birnbaumer L, et al. **Crit Rev Biochem Mol Biol** 1990;25(4):225–44 (261 ref.)

Voltage-gated K+ channels of the mammalian brain. Rehm H, et al. **FASEB J** 1991 Feb;5(2):164–70 (63 ref.)

The light-suppressible K+ conductance and evaluation of internal messenger candidates in the molluscan extraocular photoreceptor. Gotow T, et al. **Neurosci Res Suppl** 1990; 12:S145–59 (41 ref.)

1990: annus mirabilis of potassium channels. Miller C. **Science** 1991 May 24;252(5010):1092–6 (35 ref.)

How might the diversity of potassium channels be generated? Jan LY, et al. **Trends Neurosci** 1990 Oct;13(10):415–9 (65 ref.)

RADIATION EFFECTS

The effect of ionizing radiation on lipid membranes. Stark G. **Biochim Biophys Acta** 1991 Jul 22;1071(2):103–22 (117 ref.)

ULTRASTRUCTURE

Electrophysiological analysis of structural aspects of voltage-dependent SR K+ channel. Sokabe M, et al. **Comp Biochem Physiol [C]** 1991;98(1):23–30 (27 ref.)

POTASSIUM CHLORIDE

ADVERSE EFFECTS

Drug-induced esophagitis. Eng J, et al. **Am J Gastroenterol** 1991 Sep;86(9):1127–33 (100 ref.)

POTATOES

Solanine (glycoalkaloids) in potatoes: toxicological evaluation. Slanina P. **Food Chem Toxicol** 1990 Nov; 28(11):759–61 (11 ref.)

Microbial problems with waste from potato-starch processing. Nanninga HJ, et al. **Microbiol Sci** 1986 Jun; 3(6):179–82 (36 ref.)

POTENTIOMETRY

INSTRUMENTATION

The use of ion-selective electrodes in the determination of drug substances. Vytřas K. **J Pharm Biomed Anal** 1989; 7(7):789–812 (267 ref.)

POTT'S DISEASE see **TUBERCULOSIS, SPINAL**

POULTRY

Poultry production's environmental impact on water quality. Pope CW. **Poult Sci** 1991 May;70(5):1123–5 (11 ref.)

METABOLISM

Importance of essential fatty acids and their derivatives in poultry. Watkins BA. **J Nutr** 1991 Sep;121(9):1475–85 (132 ref.)

MICROBIOLOGY

Antagonistic effects of lactobacilli and pediococci to control intestinal colonization by human enteropathogens in live poultry. Juven BJ, et al. **J Appl Bacteriol** 1991 Feb; 70(2):95–103 (105 ref.)

PHYSIOLOGY

Diet selection of pigs and poultry. Rose SP, et al. **Proc Nutr Soc** 1991 Mar;50(1):87–98 (39 ref.)

POULTRY DISEASES

IMMUNOLOGY

Lymphocytes involved in cell-mediated immune responses and methods to assess cell-mediated immunity. Lillehoj HS. **Poult Sci** 1991 May;70(5):1154–64 (71 ref.)

MICROBIOLOGY

[Effect of viral structure and replication characteristics on the pathogenesis of infectious bursal disease] Müller H. **Berl Munch Tierarztl Wochenschr** 1991 Apr 1;104(4):113–7 (30 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Use and desired properties of poultry vaccines. Biggs PM. **J Reprod Fertil Suppl** 1990;41:149–52 (4 ref.)

Recombinant viruses as poultry vaccines. Silva RF, et al. **J Reprod Fertil Suppl** 1990;41:153–62 (41 ref.)

POULTRY PRODUCTS

see related
EGGS

POUR PLATE COUNT see **COLONY COUNT, MICROBIAL**

POVERTY

Health effects of housing status on children: a house is not a home. Agustin MS. **Bull N Y Acad Med** 1990 Sep–Oct; 66(5):500–14 (41 ref.)

Double victims: poor women and AIDS. Shayne VT, et al. **Women Health** 1991;17(1):21–37 (61 ref.)

POVIDONE-IODINE

ADMINISTRATION & DOSAGE

Iodine toxicity secondary to continuous povidone-iodine mediastinal irrigation in dogs. Glick PL, et al. **J Surg Res** 1990 Nov;49(5):428–34 (50 ref.)

ADVERSE EFFECTS

Thyrotoxicosis induced by topical iodine application. Shetty KR, et al. **Arch Intern Med** 1990 Nov;150(11):2400–1 (9 ref.)

POWER (PSYCHOLOGY)

see related
SOCIAL CONTROL, INFORMAL

Perspective of power in therapeutic relationships. van Mens-Verhulst J. **Am J Psychother** 1991 Apr;45(2):198–210 (25 ref.)
The marketing of empowerment and the construction of the health consumer: a critique of health promotion. Grace VM. **Int J Health Serv** 1991;21(2):329–43 (49 ref.)
New Oslerians and real Flexnerians: the response to threatened professional autonomy. Vinten-Johansen P, et al. **Int J Health Serv** 1991;21(1):75–108 (127 ref.)
Power: a concept analysis. Hawks JH. **J Adv Nurs** 1991 Jun; 16(6):754–62 (61 ref.)
Caring versus empowerment: considerations for nursing practice. Malin N, et al. **J Adv Nurs** 1991 Jun;16(6):657–62 (27 ref.)
Pain, anxiety and powerlessness. Walding MF. **J Adv Nurs** 1991 Apr;16(4):388–97 (84 ref.)
The constitution of physicians' power: a theoretical framework for comparative analysis. Duran-Arenas L, et al. **Soc Sci Med** 1991;32(6):643–8 (31 ref.)
Enhancing social work influence in the hospital: identifying sources of power. Berger CS. **Soc Work Health Care** 1990; 15(2):77–93 (31 ref.)

POWER, PERSONAL see **POWER (PSYCHOLOGY)**

POWER PLANTS

[The planning of medical support for operations to eliminate the aftereffects of large-scale radiation accidents (a review of the literature] Lisovskii IV, et al. **Voen Med Zh** 1991 Jan;(1):24–7 (16 ref.) **(Rus)**

POWER, PROFESSIONAL see **POWER (PSYCHOLOGY)**

POWER, SOCIAL see **POWER (PSYCHOLOGY)**

POWER SOURCES

[Electric motors for partially autonomous and autonomous systems for assisted circulation and the artificial heart] Kiselev IuM, et al. **Med Tekh** 1990 Sep–Oct;(5):25–8 (12 ref.) (Eng. Abstr.) **(Rus)**

POXVIRIDAE

ENZYMOLOGY

The enzymology of poxvirus DNA replication. Traktman P. **Curr Top Microbiol Immunol** 1990;163:93–123 (115 ref.)

GENETICS

Orthopoxvirus genetics. Condit RC, et al. **Curr Top Microbiol Immunol** 1990;163:1–39 (131 ref.)
The role of telomeres in poxvirus DNA replication. DeLange AM, et al. **Curr Top Microbiol Immunol** 1990;163:71–92 (108 ref.)
Regulation of orthopoxvirus gene expression. Moss B. **Curr Top Microbiol Immunol** 1990;163:41–70 (206 ref.)
The molecular pathogenesis of poxviruses. Turner PC, et al. **Curr Top Microbiol Immunol** 1990;163:125–51 (135 ref.)

PHYSIOLOGY

Reciprocity in the interactions between the poxviruses and their host cells. Dales S. **Annu Rev Microbiol** 1990; 44:173–92 (100 ref.)
Poxvirus pathogenesis. Buller RM, et al. **Microbiol Rev** 1991 Mar;55(1):80–122 (522 ref.)

POXVIRUS INFECTIONS

EPIDEMIOLOGY

Poxviruses: then and now. Studdert MJ. **Aust Vet J** 1991 May;68(5):180–1 (6 ref.)

GENETICS

The molecular pathogenesis of poxviruses. Turner PC, et al. **Curr Top Microbiol Immunol** 1990;163:125–51 (135 ref.)

MICROBIOLOGY

Reciprocity in the interactions between the poxviruses and their host cells. Dales S. **Annu Rev Microbiol** 1990; 44:173–92 (100 ref.)
Poxvirus pathogenesis. Buller RM, et al. **Microbiol Rev** 1991 Mar;55(1):80–122 (522 ref.)

POXVIRUS OFFICINALE see **VACCINIA VIRUS**

PP60(C-SRC) see **PROTO-ONCOGENE PROTEIN PP60(C-SRC)**

PP60(V-SRC) see **ONCOGENE PROTEIN PP60(V-SRC)**

PPLO see **MYCOPLASMA**

PRACTICE (PSYCHOLOGY)

What is repeated in a repetition? Effects of practice conditions on motor skill acquisition. Lee TD, et al. **Phys Ther** 1991 Feb;71(2):150–6 (28 ref.)

PRACTICE MANAGEMENT, DENTAL

Prosthodontics. Marketing. Review of the literature. Eggleston DW. **J Prosthet Dent** 1990 Sep;64(3):377–81 (14 ref.)
Prosthodontics. Clinical practice—third-party relations. Review of the literature. Van Blarcom C. **J Prosthet Dent** 1990 Sep;64(3):293–310 (46 ref.)

PRACTICE MANAGEMENT, MEDICAL

Computer application in a general practice. Lim PH, et al. **Ann Acad Med Singapore** 1990 Sep;19(5):736–40 (14 ref.)
The office laboratory. Bergquist JR. **Prim Care** 1990 Dec; 17(4):731–43 (28 ref.)

STANDARDS

Medicine as business and profession. Agich GJ. **Theor Med** 1990 Dec;11(4):311–24 (21 ref.)

TRENDS

The costs of commercial medicine. Dougherty CJ. **Theor Med** 1990 Dec;11(4):275–86 (25 ref.)

PRADER-WILLI SYNDROME

COMPLICATIONS

Rumination risk of aspiration of gastric contents in the Prader-Willi syndrome. Sloan TB, et al. **Anesth Analg** 1991 Oct;73(4):492–5 (23 ref.)

DRUG THERAPY

What is the value of growth hormone treatment in short children with specified syndrome? Turner's syndrome, osteochondrodysplasias, Prader-Willi syndrome, Noonan syndrome. Nilsson KO. **Acta Paediatr Scand Suppl** 1989; 362:61–8 (67 ref.)

GENETICS

Nonreciprocal and jumping translocations of 15q1----qter in Prader-Willi syndrome. Rivera H, et al. **Am J Med Genet** 1990 Nov;37(3):311–7 (63 ref.)
Prader-Willi syndrome and Robertsonian translocations involving chromosome 15. Casamassima AC, et al. **Clin Genet** 1991 Apr;39(4):294–7 (15 ref.)

PRAOMYS see **MURIDAE**

PRASTERON see **DEHYDROEPIANDROSTERONE**

PRAUSNITZ-KUSTNER TEST see **INTRADERMAL TESTS**

PRAZIQUANTEL

PHARMACOLOGY

Recent laboratory investigations by Chinese workers on antischistosomal activities of praziquantel. Xiao SH, et al. **Chin Med J (Engl)** 1991 Jul;104(7):599–606 (35 ref.)

THERAPEUTIC USE

Efficacy of low doses of praziquantel in taeniasis. Pawłowski ZS. **Acta Trop (Basel)** 1990 Dec;48(2):83–8 (27 ref.)
Schistosomiasis in China. Mao SP, et al. **Prog Clin Parasitol** 1989;1:121–41 (71 ref.)
[Praziquantel is mostly ineffective: treatment of fasciola hepatica infection (large liver fluke)] Schubert S, et al. **Z Arztl Fortbild (Jena)** 1990;84(14):705–7 (18 ref.) **(Ger)**

PRAZOSIN

ANALOGS & DERIVATIVES

Doxazosin therapy in the treatment of diabetic hypertension. Feher MD. **Am Heart J** 1991 Apr;121(4 (Pt 2)):1294–301 (50 ref.)
Combination antihypertensive therapy with terazosin and other antihypertensive agents: results of clinical trials. Pool JL. **Am Heart J** 1991 Sep;122(3 (Pt 2)):926–31 (17 ref.)
Effects of doxazosin on serum lipids: a review of the clinical data and molecular basis for altered lipid metabolism. Pool JL. **Am Heart J** 1991 Jan;121(1 (Pt 2)):251–9; discussion 259–60 (70 ref.)
The safety and efficacy of terazosin in the treatment of essential hypertension in blacks. Saunders E. **Am Heart J** 1991 Sep;122(3 (Pt 2)):936–42 (14 ref.)
Efficacy of doxazosin in specific hypertensive patient groups. Taylor SH. **Am Heart J** 1991 Jan;121(1 (Pt 2)):286–92 (30 ref.)
Efficacy and tolerance of doxazosin: a review. Brown MJ. **J Hum Hypertens** 1990 Oct;4 Suppl 3:34–8 (11 ref.)
The efficacy and safety of terazosin for the treatment of symptomatic BPH. Lepor H, et al. **Prostate** 1991; 18(4):345–55 (12 ref.)

PREALBUMIN

GENETICS

Frequency and genetic background of the position 122 (Val----Ile) variant transthyretin gene in the black population. Jacobson DR, et al. **Am J Hum Genet** 1991 Jul;49(1):192–8 (46 ref.)
[DNA diagnosis] Murakami T. **Nippon Rinsho** 1991 Apr; 49(4):836–40 (8 ref.) **(Jpn)**
[Mechanisms of amyloid deposition] Yamamura K. **Nippon Rinsho** 1991 Apr;49(4):775–8 (6 ref.) **(Jpn)**

PREANESTHETIC MEDICATION

[Rectal administration of drugs. Fundamentals and applications in anesthesia] Jantzen JP, et al. **Anaesthesist** 1991 May;40(5):251–61 (103 ref.) (Eng. Abstr.) **(Ger)**

PREBETA LIPOPROTEINS see **LIPOPROTEINS, VLDL**

PRECANCEROUS CONDITIONS

Human papillomavirus (HPV) infections and their associations with oral disease. Chang F, et al. **J Oral Pathol Med** 1991 Aug;20(7):305–17 (173 ref.)
[What is mastopathy at risk? Epidemiologic and clinical basis] Gorins A, et al. **Rev Fr Gynecol Obstet** 1991 Jan;86(1):4–8 (11 ref.) (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Preneoplastic lesions in rodent kidney induced spontaneously or by non-genotoxic agents: predictive nature and comparison to lesions induced by genotoxic carcinogens. Dietrich DR, et al. **Mutat Res** 1991 Jun;248(2):239–60 (113 ref.)
Modification of multistage skin carcinogenesis in mice. DiGiovanni J. **Prog Exp Tumor Res** 1991;33:192–229 (186 ref.)
Modification of liver tumor development in rodents. Diwan BA, et al. **Prog Exp Tumor Res** 1991;33:76–107 (154 ref.)
Modification of tumor development in the urinary bladder. Fukushima S. **Prog Exp Tumor Res** 1991;33:154–74 (98 ref.)
Modification of tumor development in the pancreas. Pour PM. **Prog Exp Tumor Res** 1991;33:108–31 (97 ref.)
Mammary tumorigenesis. Russo J, et al. **Prog Exp Tumor Res** 1991;33:175–91 (52 ref.)
Modulation of lung tumor development in rats, hamsters and mice. Witschi H. **Prog Exp Tumor Res** 1991;33:132–53 (85 ref.)

DIAGNOSIS

[Patch parapsoriasis simulating acanthosis nigricans in an adolescent girl] Lévigne V, et al. **Ann Dermatol Venereol** 1991;118(1):23–6 (15 ref.) **(Fre)**

DRUG THERAPY

Remission of precancerous lesions in the oral cavity of tobacco chewers and maintenance of the protective effect of beta-carotene or vitamin A. Stich HF, et al. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):298S–304S (45 ref.)
Suppression of carcinogenesis: a role for TGF-beta and related molecules in prevention of cancer. Wakefield LM, et al. **Immunol Ser** 1990;51:217–43 (112 ref.)

EPIDEMIOLOGY

Adenocarcinoma in Barrett's esophagus. Altorki NK, et al. **Semin Surg Oncol** 1990;6(5):274–8 (48 ref.)
[Chronic atrophic gastritis and the risk of cancer] Gabrielli F, et al. **Minerva Chir** 1990 Oct 15;45(19):1205–16 (69 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Current concepts in the relationship of human papillomavirus infection to the pathogenesis and classification of precancerous squamous lesions of the uterine cervix. Ambros RA, et al. **Semin Diagn Pathol** 1990 Aug; 7(3):158–72 (66 ref.)
[Precursor diseases of the cervix uteri: pathogenesis, diagnosis and treatment] Prilepskaia VN, et al. **Akush Ginekol (Mosk)** 1990 Jun;(6):3–7 (68 ref.) **(Rus)**

IMMUNOLOGY

Immunological abnormalities in oral precancers. Pillai R, et al. **Cancer Lett** 1991 Apr;57(1):1–6 (43 ref.)

MICROBIOLOGY

[Helicobacter pylori infection: a facilitator of stomach cancer?] Cooreman MP, et al. **Z Gastroenterol Verh** 1991 Mar;26:284–6 (30 ref.) **(Ger)**

PATHOLOGY

Proliferation of cultivated cells from normal, preneoplastic and neoplastic human breast tissue—preliminary report. Nissen E, et al. **Acta Histochem Suppl** 1990;39:181–7 (33

ref.)
Preinvasive lesions of the endometrium. Pecorelli S, et al. **Ann N Y Acad Sci** 1991;622:449–62 (86 ref.)
Wilms' tumour associated with deep cystic nephroma–like changes: three cases of a putative Wilms' tumour precursor. Walford N, et al. **Histopathology** 1991 Feb;18(2):123–31 (33 ref.)
The pathology of immunoblastic proliferations. Reaction, prelymphoma, lymphoma. Tindle BH. **Pathol Annu** 1991; 26 Pt 2:145–86 (181 ref.)
Intravesical condyloma acuminatum with progression to verrucous carcinoma. Batta AG, et al. **Urology** 1990 Nov; 36(5):457–64 (30 ref.)
[Dysplasia in the digestive tract] Potet F, et al. **Ann Pathol** 1991;11(3):153–61 (62 ref.) **(Fre)**
[What is "mastopathy at risk" for the anatomopathologist?] Contesso G, et al. **Rev Fr Gynecol Obstet** 1991 Jan; 86(1):9–12 (7 ref.) (Eng. Abstr.) **(Fre)**
[Pathological aspects of gynecological malignancies—early stage cancers and borderline lesions] Sakamoto A, et al. **Gan No Rinsho** 1990 Aug;36(10):1083–8 (36 ref.) (Eng. Abstr.) **(Jpn)**
[Cytologic diagnosis of background and precancerous conditions based on specimens from the uterine cervix] Shabalova IP, et al. **Lab Delo** 1990;(7):44–9 (10 ref.) (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Premalignant lesions: role of antioxidant vitamins and beta-carotene in risk reduction and prevention of malignant transformation. Singh VN, et al. **Am J Clin Nutr** 1991 Jan; 53(1 Suppl):386S–390S (57 ref.)
Chemoprevention in head and neck cancer. Heyne KE, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):783–95 (66 ref.)
[Imaging procedures in early cancer of the breast. Current status of screening and diagnosis] Kessler M, et al. **Chirurg** 1991 Feb;62(2):77–84 (16 ref.) **(Ger)**
[Cytological screening of precancer and cancer of the cervix uteri] Novik VI. **Vopr Onkol** 1990;36(12):1411–8 (59 ref.) **(Rus)**

SURGERY

[Adenomatous polyps in the stomach–colon—when is polypectomy curative?] Niebel W, et al. **Z Gastroenterol Verh** 1991 Mar;26:80–1 (6 ref.) **(Ger)**

THERAPY

[Hematologic neoplasms: clinically latent—but needing treatment?] Huber H, et al. **Verh Dtsch Ges Inn Med** 1990; 96:138–47 (60 ref.) **(Ger)**

PRECURSOR RNA see **RNA PRECURSORS**

PREDATORY BEHAVIOR

PHYSIOLOGY

Environmental and biological incidences over predatory aggression in rodents. Haug M, et al. **Comp Biochem Physiol A** 1991;99(3):285–93 (91 ref.)

PREDIABETIC STATE

DIAGNOSIS

Type 1 diabetes at presentation: the scene changes [editorial] Pozzilli P, et al. **Diabetic Med** 1990 Nov;7(9):762–3 (11 ref.)

PREDISPOSING FACTORS see **CAUSALITY**

PREDNIMUSTINE

TOXICITY

Prednimustine. **IARC Monogr Eval Carcinog Risks Hum** 1990;50:115–22 (28 ref.)

PREDNISOLONE

THERAPEUTIC USE

Therapy of chronic viral hepatitis. Main J. **J Hosp Infect** 1991 Jun;18 Suppl A:335–40 (27 ref.)
Minimal change nephrotic syndrome of childhood: current concepts in management. Yap HK, et al. **J Singapore Paediatr Soc** 1990;32(1–2):18–22 (50 ref.)
Acute treatment of inflammatory bowel disease, prednisolone: dosage and duration. Hawkey CJ. **Neth J Med** 1989 Jun;35 Suppl 1:S21–6 (37 ref.)
The therapy of idiopathic membranous glomerulonephritis. Glassock RJ. **Semin Nephrol** 1991 Mar;11(2):138–47 (56 ref.)
Triple therapy. Slapak M, et al. **Transplant Proc** 1991 Aug; 23(4):2186–8 (10 ref.)
[Corticoid therapy in the treatment of acute alcoholic hepatitis. Results of a meta-analysis] Daures JP, et al. **Gastroenterol Clin Biol** 1991;15(3):223–8 (27 ref.) (Eng. Abstr.) **(Fre)**
[Immunosuppressive therapy of various autoimmune diseases of the nervous system] Neretin VIa, et al. **Sov Med** 1990; (12):31–5 (39 ref.) **(Rus)**

PREDNISONE

ADMINISTRATION & DOSAGE

[Acute transverse myelitis in systemic lupus erythematosus: successful therapy with cyclophosphamide and prednisone] Misteli M, et al. **Schweiz Med Wochenschr** 1991 Jan 19; 121(3):77–80 (36 ref.) (Eng. Abstr.) **(Ger)**
[Corticosteroids in the treatment of chronic active hepatitis] Laskus T, et al. **Pol Arch Med Wewn** 1990 Sep;84(3):150–6 (52 ref.) **(Pol)**

ADVERSE EFFECTS

[Kaposi's sarcoma complicating long-term corticotherapy for severe asthma] Bruet A, et al. **Rev Med Interne** 1990 Jul–Aug;11(4):322–4 (12 ref.) (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Conventional therapy for idiopathic nephrotic syndrome in children. Brodehl J. **Clin Nephrol** 1991;35 Suppl 1:S8–15 (51 ref.)
Conventional treatment of idiopathic nephrotic syndrome and membranous nephropathy in adults. Ponticelli C, et al. **Clin Nephrol** 1991;35 Suppl 1:S16–21 (49 ref.)
Endobronchial tuberculosis—is corticosteroid treatment useful? A report of 8 cases and review of the literature. Chan HS, et al. **Postgrad Med J** 1990 Oct;66(780):822–6 (19 ref.)
The therapy of idiopathic membranous glomerulonephritis. Glassock RJ. **Semin Nephrol** 1991 Mar;11(2):138–47 (56 ref.)

PRE-ECLAMPSIA

Prevention and treatment of pregnancy-associated hypertension: what have we learned in the last 10 years? Remuzzi G, et al. **Am J Kidney Dis** 1991 Sep;18(3):285–305 (244 ref.)
Pregnancy-induced hypertension: pathogenesis and management. Brown MA. **Aust N Z J Med** 1991 Apr; 21(2):257–60, 262, 264–73 (155 ref.)
Eclampsia. Hernandez C, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):460–6 (12 ref.)

COMPLICATIONS

Renal and ocular manifestations of hypertensive diseases of pregnancy. Seidman DS, et al. **Obstet Gynecol Surv** 1991 Feb;46(2):71–6 (57 ref.)
[Spontaneous rupture of the liver with hemoperitoneum during pregnancy. Apropos of a case, review of the literature] Neirynck C, et al. **J Chir (Paris)** 1991 May; 128(5):231–4 (28 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Early detection of preeclampsia. Dekker GA, et al. **Am J Obstet Gynecol** 1991 Jul;165(1):160–72 (138 ref.)
[The pregnancy at risk and the HELLP syndrome] Georgiev D, et al. **Akush Ginekol (Sofiia)** 1991;30(2):53–8 (62 ref.) **(Bul)**
[The HELLP syndrome—one hypothesis] Katsulov A. **Akush Ginekol (Sofiia)** 1991;30(2):1–6 (24 ref.) (Eng. Abstr.) **(Bul)**
[Acute diagnosis and therapy in hypertensive emergencies, pre-eclampsia and eclampsia] Kaulhausen H. **Gynakologe** 1991 Jun;24(3):146–50 (24 ref.) **(Ger)**

DRUG THERAPY

Low-dose aspirin to improve perinatal outcome. Barton JR, et al. **Clin Obstet Gynecol** 1991 Jun;34(2):251–61 (31 ref.)
[Treatment of severe hypertension in pregnancy] Oney T, et al. **Z Geburtshilfe Perinatol** 1991 Jan–Feb;195(1):1–9 (72 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Role of prostaglandins in pre-eclampsia. Toppozada MK. **Acta Obstet Gynecol Scand** 1990;69(5):375–7 (11 ref.)
Hypothyroidism presenting as hypothermia following pre-eclampsia at 23 weeks gestation. Case report and review of the literature. Mizgala L, et al. **Br J Obstet Gynaecol** 1991 Feb;98(2):221–4 (20 ref.)

IMMUNOLOGY

Immunologic aspects of preeclampsia. Sibai BM. **Clin Obstet Gynecol** 1991 Mar;34(1):27–34 (27 ref.)

METABOLISM

Clinical biochemistry of preeclampsia and related liver diseases of pregnancy: a review. Freund G, et al. **Clin Chim Acta** 1990 Nov 5;191(3):123–51 (95 ref.)

PHYSIOPATHOLOGY

The role of serotonin in the preeclampsia–eclampsia syndrome. Weiner CP. **Cardiovasc Drugs Ther** 1990 Jan;4 Suppl 1:37–43 (75 ref.)
Variability of arterial blood pressure in normal and hypertensive pregnancy. Oney T, et al. **J Hypertens Suppl** 1990 Dec;8(6):S77–81 (21 ref.)
[Systemic vascular refractoriness during normal pregnancy and preeclampsia] Leiberman JR, et al. **Harefuah** 1990 Dec 16;119(12):452–5 (56 ref.) **(Heb)**

PREVENTION & CONTROL

Fish-oil and pre-eclampsia [see comments] Secher NJ, et al. **Br J Obstet Gynaecol** 1990 Dec;97(12):1077–9 (25 ref.)
Comment in: Br J Obstet Gynaecol 1991 May;98(5):499–500.
Role of nutrition in the prevention of preeclampsia. Review of the literature. Newman V, et al. **J Nurse Midwifery** 1990 Sep–Oct;35(5):282–91 (71 ref.)

ULTRASONOGRAPHY

[Diagnostic and clinical value of Doppler sonography of fetal blood vessels] Schramm T, et al. **Bildgebung** 1991; 58(1):10–6 (51 ref.) (Eng. Abstr.) **(Ger)**

PREGNANCY

see related
PRENATAL CARE

ABC of antenatal care. Work in pregnancy. Chamberlain G. **BMJ** 1991 May 4;302(6784):1070–3 (1 ref.)
Organ transplantation and immunosuppressive drugs in pregnancy. Sims CJ. **Clin Obstet Gynecol** 1991 Mar; 34(1):100–11 (22 ref.)
Bilateral tubal pregnancy: a case report and review of the literature. Kauppi-Sahla M, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 Jul 1;40(2):145–7 (12 ref.)
Vitamin A during pregnancy in India: how much is safe for the fetus? Raman L. **Indian J Pediatr** 1991 Mar–Apr; 58(2):179–83 (18 ref.)
The impact of spinal cord injury on female sexuality, menstruation and pregnancy: a review of the literature. Sipski ML. **J Am Paraplegia Soc** 1991 Jul;14(3):122–6 (32 ref.)
Racial differences in pregnancy duration and its implications for perinatal care. Papiernik E, et al. **Med Hypotheses** 1990 Nov;33(3):181–6 (38 ref.)
Drug use in pregnancy and lactation. Ives TJ, et al. **Prim Care** 1990 Sep;17(3):623–45 (90 ref.)
Pregnancy after Fontan repair of tricuspid atresia. Hess DB, et al. **South Med J** 1991 Apr;84(4):532–4 (4 ref.)
[The outcome of continuing pregnancies in patients with intrauterine devices. A retrospective study from the Maternity Unit of the University Hospital Center at Caen during the period 1985–1988] von Theobald P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1990;19(7):863–8 (25 ref.) (Eng. Abstr.) **(Fre)**
[Renal transplant patients and pregnancy] Bar T, et al. **Harefuah** 1991 Jan 1;120(1):30–2 (12 ref.) **(Heb)**
[The pregnant woman, car accidents and the seat belt] Fisher M. **Harefuah** 1990 Oct;119(7–8):219–20 (34 ref.) **(Heb)**
[Smoking effects on pregnancy] Aleixo Neto A. **Rev Saude Publica** 1990 Oct;24(5):420–4 (19 ref.) (Eng. Abstr.) **(Por)**

BLOOD

Biochemistry and endocrinology of the Down's syndrome pregnancy. Chard T. **Ann N Y Acad Sci** 1991;626:580–96 (89 ref.)
Therapeutic drug monitoring in pregnancy: rationale and current status. Knott C, et al. **Clin Pharmacokinet** 1990 Dec;19(6):425–33 (74 ref.)
The role of ultrasound in evaluation of patients with elevated maternal serum alpha-fetoprotein: a review. Watson WJ, et al. **Obstet Gynecol** 1991 Jul;78(1):123–8 (46 ref.)
Unexplained elevations of maternal serum alpha-fetoprotein. Katz VL, et al. **Obstet Gynecol Surv** 1990 Nov; 45(11):719–26 (78 ref.)
Changes in the fibrinolytic system during pregnancy. Bonnar J, et al. **Semin Thromb Hemost** 1990 Jul;16(3):221–9 (36 ref.)
[Origin and enrichment of fetal cells in the blood of pregnant women and its uses in prenatal diagnosis] Li GW, et al. **Chung Hua Fu Chan Ko Tsa Chih** 1991 Mar;26(2):115–7 (17 ref.) **(Chi)**

DRUG EFFECTS

The three most common occupational exposures reported by pregnant women: an update. Bentur Y, et al. **Am J Obstet Gynecol** 1991 Aug;165(2):429–37 (107 ref.)
Risk-benefit assessment of anticonvulsants in women of child-bearing potential. Cleland PG. **Drug Saf** 1991 Jan–Feb;6(1):70–81 (65 ref.)
Effects of alcohol (ethanol) on the fetus. Brien JF, et al. **J Dev Physiol** 1991 Jan;15(1):21–32 (68 ref.)
Caffeine and its effects on pregnancy and the neonate. McKim EM. **J Nurse Midwifery** 1991 Jul–Aug;36(4):226–31 (48 ref.)
Bromocriptine in obstetrics and gynaecology. Haider P. **JPMA** 1990 Sep;40(9):224–9 (71 ref.)
Fertility and pregnancy after malignancy. Byrne J. **Semin Perinatol** 1990 Oct;14(5):423–9 (37 ref.)

IMMUNOLOGY

Nidation, tolerance, and immunotrophism. Beaman KD.

Am J Reprod Immunol 1990 Jun;23(2):54–6 (20 ref.)
Is production of blocking antibodies in successful human pregnancy an epiphenomenon? Takeuchi S.
Am J Reprod Immunol 1990 Dec;24(4):108–19 (121 ref.)
Endocrine regulation of the immune system during pregnancy. Szekeres-Bartho J.
Arch Immunol Ther Exp (Warsz) 1990;38(1–2):125–40 (118 ref.)
Maternal autoantibodies and pregnancy--II: The neonatal lupus syndrome. Lee LA. **Baillieres Clin Rheumatol** 1990 Apr;4(1):69–84 (62 ref.)
Immunoregulatory mechanisms present in the maternal circulation during pregnancy. Pope RM.
Baillieres Clin Rheumatol 1990 Apr;4(1):33–52 (83 ref.)
General precepts of the immunology of pregnancy. Feinberg BB, et al. **Clin Obstet Gynecol** 1991 Mar;34(1):3–16 (51 ref.)
Autoantibodies, alloantibodies and reproductive success. Mowbray JF. **Curr Opin Immunol** 1989–90;2(5):761–4 (12 ref.)
The cytokine basis for cross-talk between the maternal immune and reproductive systems. Wegmann TG.
Curr Opin Immunol 1989–90;2(5):765–9 (8 ref.)
Maternal–fetal immunogenetics. Mogil RJ, et al.
Immunol Ser 1989;43:69–89 (71 ref.)
Immunomodulation of the mother during pregnancy. Hegde UC. **Med Hypotheses** 1991 Jun;35(2):159–64 (46 ref.)
[Surface molecules on the trophoblast cells] Bjercke S.
Tidsskr Nor Laegeforen 1991 Apr 10;111(9):1123–6 (23 ref.) (Eng. Abstr.) **(Nor)**

METABOLISM

Human energy metabolism: what have we learned from the doubly labeled water method? Schoeller DA, et al.
Annu Rev Nutr 1991;11:355–73 (47 ref.)
Placental steroid hormones. Conley AJ, et al.
Baillieres Clin Endocrinol Metab 1990 Jun;4(2):249–72 (140 ref.)
Insulin receptor binding and glucose metabolism in normal human pregnancy and gestational diabetes mellitus. A review. Andersen O. **Dan Med Bull** 1990 Dec;37(6):492–501 (149 ref.)
Lead in bone: implications for toxicology during pregnancy and lactation. Silbergeld EK. **Environ Health Perspect** 1991 Feb;91:63–70 (48 ref.)
Biokinetics of lead during pregnancy. Mahaffey KR.
Fundam Appl Toxicol 1991 Jan;16(1):15–6 (10 ref.)
Drug disposition and effects in the fetus. Rurak DW, et al.
J Dev Physiol 1991 Jan;15(1):33–44 (104 ref.)
Embryo-derived platelet activating factor: interactions with the arachidonic acid cascade and the establishment and maintenance of pregnancy. O'Neill C, et al.
Reprod Fertil Dev 1990;2(5):423–41 (83 ref.)
Regulation of endometrial prostaglandins during the menstrual cycle and in early pregnancy. Salamonsen LA, et al. **Reprod Fertil Dev** 1990;2(5):443–57 (133 ref.)
[Problems of pharmacokinetics in pregnancy. A bibliographic review] Minora T, et al.
Ann Ostet Ginecol Med Perinat 1990 May–Jun; 111(3):159–73 (80 ref.) (Eng. Abstr.) **(Ita)**
[Fibronectin and pregnancy] Sebko TV, et al.
Vestn Akad Med Nauk SSSR 1991;(2):46–50 (50 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Circulating corticotropin-releasing factor in pregnancy. Linton EA, et al. **Adv Exp Med Biol** 1990;274:147–64 (68 ref.)
Maternal weight gain, infant birth weight, and diet: causal sequences. Susser M. **Am J Clin Nutr** 1991 Jun; 53(6):1384–96 (58 ref.)
Organ transplantation and pregnancy. A case report and review. Kirk EP. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 1):1629–33; discussion 1633–4 (18 ref.)
The current status of maternal and fetal blood flow velocimetry. Low JA. **Am J Obstet Gynecol** 1991 Apr; 164(4):1049–63 (148 ref.)
Pregnancy and its effect on the risk of developing rheumatoid arthritis. Hazes JM. **Ann Rheum Dis** 1991 Feb;50(2):71–2 (27 ref.)
Prolactin and related peptides in pregnancy. Davis JR.
Baillieres Clin Endocrinol Metab 1990 Jun;4(2):273–90 (137 ref.)
Inhibin and related peptides in pregnancy. Healy DL, et al.
Baillieres Clin Endocrinol Metab 1990 Jun;4(2):233–47 (71 ref.)
Neuroendocrinology of the hypothalamo-pituitary-adrenal axis in pregnancy and the puerperium. Smith R, et al.
Baillieres Clin Endocrinol Metab 1991 Mar;5(1):167–86 (93 ref.)
Uterine contractility during pregnancy and the effect of abortifacient drugs. Bygdeman M, et al.
Baillieres Clin Obstet Gynaecol 1990 Jun;4(2):249–61 (51 ref.)
ABC of antenatal care. The changing body in pregnancy. Chamberlain G. **BMJ** 1991 Mar 23;302(6778):719–22 (0 ref.)
Value of ultrasound during the menstrual cycle and early pregnancy. Steer CV. **Br Med Bull** 1990 Jul;46(3):733–52 (81 ref.)
Transdermal drug absorption during pregnancy. Mattison DR. **Clin Obstet Gynecol** 1990 Dec;33(4):718–27 (20 ref.)
Skin changes during pregnancy. Parmley T, et al.
Clin Obstet Gynecol 1990 Dec;33(4):713–7 (17 ref.)
Exercise in women. Effects on reproductive system and pregnancy. Warren MP. **Clin Sports Med** 1991 Jan; 10(1):131–9 (44 ref.)
Physiologic, biochemical, and structural changes during normal pregnancies. Lower AM, et al.
Curr Opin Obstet Gynecol 1989 Dec;1(2):131–6 (23 ref.)
Physiology and pathophysiology of colonic motor activity (2). Sarna SK. **Dig Dis Sci** 1991 Jul;36(7):998–1018 (537 ref.)
Physiological alterations during pregnancy: impact on toxicokinetics. Mattison DR, et al.
Fundam Appl Toxicol 1991 Feb;16(2):215–8 (13 ref.)
Exercise and fetal health. Clapp JF 3d. **J Dev Physiol** 1991 Jan;15(1):9–14 (34 ref.)
Variability of arterial blood pressure in normal and hypertensive pregnancy. Oney T, et al.
J Hypertens Suppl 1990 Dec;8(6):S77–81 (21 ref.)
Granulated metrial gland cells: pregnancy specific leukocytes? Stewart IJ. **J Leukoc Biol** 1991 Aug; 50(2):198–207 (90 ref.)
Pickles, peptide hormones and pregnancy: a hypothesis. Hill P. **Med Hypotheses** 1990 Aug;32(4):255–9 (54 ref.)
The circulation in pregnancy. Van Den Berg AA.
Middle East J Anesthesiol 1990 Oct;10(6):607–20 (58 ref.)
The role of hCG in regulation of the thyroid gland in normal and abnormal pregnancy. Kennedy RL, et al.
Obstet Gynecol 1991 Aug;78(2):298–307 (106 ref.)
Current topic: the role of macrophages in the uterine response to pregnancy. Hunt JS. **Placenta** 1990 Nov–Dec; 11(6):467–75 (79 ref.)
Effects of chorionic GNRH on intrauterine tissues and pregnancy. Siler-Khodr TM, et al. **Placenta** 1991 Mar–Apr; 12(2):91–103 (55 ref.)
Boyd Orr memorial lecture. Early nutrition and later achievement. Dobbing J. **Proc Nutr Soc** 1990 Jul; 49(2):103–18 (57 ref.)
Endpoints of chronobiologic cardiovascular monitoring during pregnancy for planning exercise and assessing effects. Crakes JG, et al. **Prog Clin Biol Res** 1990; 341A:605–14 (28 ref.)
Prostaglandins and the biological control of cervical function. Calder AA, et al. **Reprod Fertil Dev** 1990;2(5):459–65 (53 ref.)
The role of the hormone relaxin in human reproduction and pelvic girdle relaxation. MacLennan AH.
Scand J Rheumatol Suppl 1991;88:7–15 (16 ref.)
Relationship between myometrial and cervical functions in pregnancy and labor. Huszar GB, et al. **Semin Perinatol** 1991 Apr;15(2):97–117 (155 ref.)
Collagen and collagenase: pregnancy and parturition. Jeffrey JJ. **Semin Perinatol** 1991 Apr;15(2):118–26 (51 ref.)
Endothelium-derived vasoactive substances and uterine blood vessels. Magness RR. **Semin Perinatol** 1991 Feb; 15(1):68–78 (66 ref.)
Endothelin in perinatal pharmacology. Masaki T, et al.
Semin Perinatol 1991 Feb;15(1):27–9 (22 ref.)
The role of proteoglycans in cervical dilatation. Uldbjerg N, et al. **Semin Perinatol** 1991 Apr;15(2):127–32 (25 ref.)
Thermoregulation in pregnancy. Implications for exercise. McMurray RG, et al. **Sports Med** 1990 Sep;10(3):146–58 (61 ref.)
[The importance of magnesium in contemporary obstetrics] Georgiev D, et al. **Akush Ginekol (Sofiia)** 1990;29(5):52–5 (28 ref.) **(Bul)**
[Sports during pregnancy] Lotgering FK.
Tijdschr Kindergeneeskd 1990 Aug;58(4):111–7 (25 ref.) (Eng. Abstr.) **(Dut)**
[Physiological changes in the mother during pregnancy] Friedberg V. **Klin Anasthesiol Intensivther** 1989;37:1–9 (28 ref.) **(Ger)**
[Systemic vascular refractoriness during normal pregnancy and preeclampsia] Leiberman JR, et al. **Harefuah** 1990 Dec 16;119(12):452–5 (56 ref.) **(Heb)**
[Functional status of the kidneys in uncomplicated pregnancy] Khramova LS. **Akush Ginekol (Mosk)** 1991 Jan; (1):3–6 (61 ref.) **(Rus)**

PSYCHOLOGY

The effects of social support on women's health during pregnancy, labor and delivery, and the postpartum period. Gjerdingen DK, et al. **Fam Med** 1991 Jul;23(5):370–5 (50 ref.)
Couvade syndrome: male counterpart to pregnancy. Klein H. **Int J Psychiatry Med** 1991;21(1):57–69 (37 ref.)

RADIATION EFFECTS

The three most common occupational exposures reported by pregnant women: an update. Bentur Y, et al.
Am J Obstet Gynecol 1991 Aug;165(2):429–37 (107 ref.)
VDTs: field levels, epidemiology, and laboratory studies. Kavet R, et al. **Health Phys** 1991 Jul;61(1):47–57 (55 ref.)
Fertility and pregnancy after malignancy. Byrne J.
Semin Perinatol 1990 Oct;14(5):423–9 (37 ref.)

STATISTICS & NUMERICAL DATA

Methodological pitfalls in the analysis of contraceptive failure. Trussell J. **Stat Med** 1991 Feb;10(2):201–20 (72 ref.)

PREGNANCY, ABDOMINAL

Emergent management of abdominal pregnancy. Martin JN Jr, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):438–47 (105 ref.)
Advanced abdominal pregnancy. Costa SD, et al.
Obstet Gynecol Surv 1991 Aug;46(8):515–25 (120 ref.)

PREGNANCY, ADOLESCENT see **PREGNANCY IN ADOLESCENCE**

PREGNANCY, ANIMAL

see related
ANIMALS, NEWBORN

IMMUNOLOGY

Role of granulated metrial gland cells in the immunology of pregnancy [editorial] Zheng LM, et al.
Am J Reprod Immunol 1991 Mar;25(2):72–6 (54 ref.)

METABOLISM

Biokinetics of lead during pregnancy. Mahaffey KR.
Fundam Appl Toxicol 1991 Jan;16(1):15–6 (10 ref.)

PHYSIOLOGY

Circulating corticotropin-releasing factor in pregnancy. Linton EA, et al. **Adv Exp Med Biol** 1990;274:147–64 (68 ref.)
Comparative aspects of conceptus signals for maternal recognition of pregnancy. Bazer FW, et al.
Ann N Y Acad Sci 1991;622:202–11 (65 ref.)
A role for interferons in early pregnancy. Roberts RM.
Bioessays 1991 Mar;13(3):121–6 (41 ref.)
Trophoblastic factors and the maternal recognition of pregnancy in sheep and cattle. Stewart HJ.
J Dev Physiol 1990 Sep;14(3):115–23 (91 ref.)
Trophoblast proteins and maternal recognition of pregnancy. Roberts RM, et al. **Oxf Rev Reprod Biol** 1990;12:147–80 (147 ref.)
Control of pregnancy, parturition and luteolysis in marsupials. Hinds LA. **Reprod Fertil Dev** 1990;2(5):535–52 (82 ref.)
Endothelium-derived vasoactive substances and uterine blood vessels. Magness RR. **Semin Perinatol** 1991 Feb; 15(1):68–78 (66 ref.)
Dry cow nutrition. The key to improving fresh cow performance. Van Saun RJ.
Vet Clin North Am Food Anim Pract 1991 Jul;7(2):599–620 (117 ref.)

PREGNANCY COMPLICATIONS

see related
PREGNANCY, PROLONGED
Arias-Stella reaction in fallopian tube epithelium. A light and electron microscopic study with a review of the literature. Milchgrub S, et al. **Am J Clin Pathol** 1991 Jun; 95(6):892–5 (15 ref.)
Liver diseases unique to pregnancy. Schorr-Lesnick B, et al. **Am J Gastroenterol** 1991 Jun;86(6):659–70 (136 ref.)
Obstructive acute renal failure by a gravid uterus: a case report and review. Brandes JC, et al. **Am J Kidney Dis** 1991 Sep;18(3):398–401 (19 ref.)
Spectrum and natural history of congenital hyperparathyroidism secondary to maternal hypocalcemia. Loughead JL, et al. **Am J Perinatol** 1990 Oct;7(4):350–5 (28 ref.)
Drug dependence and pregnancy: antenatal and intrapartum problems. Kliman L. **Anaesth Intensive Care** 1990 Aug; 18(3):358–60 (9 ref.)
Impetigo herpetiformis associated with hypocalcemia of congenital rickets. Holm AL, et al. **Arch Dermatol** 1991 Jan;127(1):91–5 (37 ref.)
Endocrine disease and pregnancy. Johnson MR, et al.
Baillieres Clin Endocrinol Metab 1990 Jun;4(2):313–32 (881 ref.)
Systemic sclerosis and pregnancy. Black CM.
Baillieres Clin Rheumatol 1990 Apr;4(1):105–24 (79 ref.)
Systemic lupus erythematosus and the maternal–fetal dyad. Buyon JP. **Baillieres Clin Rheumatol** 1990 Apr;4(1):85–103 (74 ref.)
Pregnancy in the patient with rheumatic disease: the obstetrician's perspective. Dudley DJ, et al.
Baillieres Clin Rheumatol 1990 Apr;4(1):141–56 (72 ref.)
Maternal autoantibodies and pregnancy---I: The antiphospholipid antibody syndrome. Harris EN.
Baillieres Clin Rheumatol 1990 Apr;4(1):53–68 (91 ref.)
Pregnancy and rheumatoid disease. Kean WF, et al.
Baillieres Clin Rheumatol 1990 Apr;4(1):125–40 (114 ref.)
Guidelines on the use of antirheumatic drugs in women during pregnancy and child-bearing age. Preston S, et al.
Baillieres Clin Rheumatol 1990 Dec;4(3):687–98 (71 ref.)
ABC of antenatal care. Antepartum haemorrhage. Chamberlain G. **BMJ** 1991 Jun 22;302(6791):1526–30 (0 ref.)
Hypothyroidism presenting as hypothermia following pre-eclampsia at 23 weeks gestation. Case report and review of the literature. Mizgala L, et al.
Br J Obstet Gynaecol 1991 Feb;98(2):221–4 (20 ref.)
Residential therapeutic communities for female substance

abusers. De Leon G, et al. **Bull N Y Acad Med** 1991 May-Jun;67(3):277-90 (35 ref.)
Scientific foundation of clinical practice: opiate use in pregnant women. Finnegan LP, et al. **Bull N Y Acad Med** 1991 May-Jun;67(3):223-39 (20 ref.)
Prosecution to enhance treatment. Goldsmith S. **Child Today** 1990 Jul-Aug;19(4):13-6, 36 (26 ref.)
Papular dermatoses of pregnancy. Catanzarite V, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):754-8 (21 ref.)
Pruritus in pregnancy. Dacus JV. **Clin Obstet Gynecol** 1990 Dec;33(4):738-45 (20 ref.)
Dermatopathology for the obstetrician. Eudy SF, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):728-37 (14 ref.)
Systemic lupus erythematosus and other connective tissue diseases in pregnancy. Gimovsky ML, et al. **Clin Obstet Gynecol** 1991 Mar;34(1):35-50 (63 ref.)
Acute respiratory failure. Hankins GD. **Clin Obstet Gynecol** 1990 Sep;33(3):493-501 (23 ref.)
Bullous dermatoses and prurigo of pregnancy. Hayashi RH. **Clin Obstet Gynecol** 1990 Dec;33(4):746-53 (35 ref.)
Cutaneous manifestations of collagen vascular disease in pregnancy. Horowitz GM, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):759-76 (62 ref.)
Pregnancy and thyroid disease. Lowe TW, et al. **Clin Obstet Gynecol** 1991 Mar;34(1):72-81 (40 ref.)
Myasthenia gravis in mothers and their newborns. Plauché WC. **Clin Obstet Gynecol** 1991 Mar;34(1):82-99 (108 ref.)
Cocaine and pregnancy: clinical and methodologic issues. Chasnoff IJ. **Clin Perinatol** 1991 Mar;18(1):113-23 (30 ref.)
Narcotic use in pregnancy. Hoegerman G, et al. **Clin Perinatol** 1991 Mar;18(1):51-76 (87 ref.)
Alcohol use in pregnancy. Pietrantoni M, et al. **Clin Perinatol** 1991 Mar;18(1):93-111 (128 ref.)
Pathology of pregnancy and systemic disorders. Margulies M. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):147-55 (36 ref.)
Medical disorders in pregnancy, including hypertensive diseases. Sibai BM. **Curr Opin Obstet Gynecol** 1991 Feb; 3(1):28-40 (99 ref.)
Pica practices of pregnant women. Horner RD, et al. **J Am Diet Assoc** 1991 Jan;91(1):34-8 (35 ref.)
Asthma during pregnancy [see comments] Greenberger PA. **J Asthma** 1990;27(6):341-7 (22 ref.) Comment in: J Asthma 1990;27(6):335-9.
Selected neurologic complications of pregnancy. Fox MW, et al. **Mayo Clin Proc** 1990 Dec;65(12):1595-618 (170 ref.)
Thyroid disease and pregnancy. Becks GP, et al. **Med Clin North Am** 1991 Jan;75(1):121-50 (192 ref.)
Blunt trauma during pregnancy. Pearlman MD, et al. **N Engl J Med** 1990 Dec 6;323(23):1609-13 (38 ref.)
A review of the literature on cocaine abuse in pregnancy. Lindenberg CS, et al. **Nurs Res** 1991 Mar-Apr;40(2):69-75 (46 ref.)
Asthma and pregnancy. A challenge for everyone concerned. Barsky HE. **Postgrad Med** 1991 Jan;89(1):125-30, 132 (21 ref.)
Prenatal diagnosis of congenital myasthenia with arthrogryposis in a myasthenic mother. Stoll C, et al. **Prenat Diagn** 1991 Jan;11(1):17-22 (12 ref.)
Thymoma and myasthenia gravis in pregnancy: report of a case. Huang CC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1991 Feb;90(2):206-8 (10 ref.)
[Obstetrical anesthesia of patients with disseminated lupus erythematosus] Milhet E, et al. **Ann Fr Anesth Reanim** 1991; 10(3):242-7 (19 ref.) (Eng. Abstr.) **(Fre)**
[Infants born to kidney transplant recipients] Picaud JC, et al. **Arch Fr Pediatr** 1991 May;48(5):323-7 (28 ref.) (Eng. Abstr.) **(Fre)**
[The association of acute polyradiculoneuritis, transitory diabetes insipidus and pregnancy. Apropos of a case and review of the literature] Berteau P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1990;19(7):793-802 (77 ref.) (Eng. Abstr.) **(Fre)**
[Ehlers-Danlos syndrome and pregnancy. Apropos of a case] Charvet PY, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991;20(1):75-8 (17 ref.) (Eng. Abstr.) **(Fre)**
[Indications and results of autotransfusion. Normovolemic hemodilution in gynecology-obstetrics] Bouret JM, et al. **Rev Fr Gynecol Obstet** 1990 Jul-Sep;85(7-9):455-9 (13 ref.) (Eng. Abstr.) **(Fre)**
[Arthrogryposis and maternal myasthenia gravis. Risk of recurrence] Tranchant C, et al. **Rev Neurol (Paris)** 1991; 147(1):62-4 (11 ref.) (Eng. Abstr.) **(Fre)**
[Alcohol embryopathy. Review and case example] Muntau AC, et al. **Fortschr Med** 1990 Aug 10;108(23):443-7 (30 ref.) (Eng. Abstr.) **(Ger)**
[Specifics of anesthesia in pregnancy] Alon E, et al. **Klin Anasthesiol Intensivther** 1989;37:142-9 (31 ref.) **(Ger)**
[Progress report. What can one expect from a "functional prenatal toxicology?"] Bleyl DW. **Nahrung** 1990; 34(9):843-55 (63 ref.) (Eng. Abstr.) **(Ger)**
[Pregnancy in chronic liver disease] Halevy J. **Harefuah** 1990 Dec 16;119(12):456-8 (24 ref.) **(Heb)**
[Low-back pain during pregnancy] Orvieto R, et al. **Harefuah** 1990 Nov 15;119(10):330-1 (20 ref.) **(Heb)**
[Systemic lupus erythematosus and pregnancy] Doria A, et al. **G Clin Med** 1990 Jun-Jul;71(6-7):443-7, 450-4 (118 ref.) **(Ita)**
[Clinical contribution to the problem of correlations between hereditary angioneurotic edema and pregnancy] Ferlazzo B, et al. **Minerva Ginecol** 1990 Sep;42(9):351-6 (29 ref.) (Eng. Abstr.) **(Ita)**
[The eye and pregnancy] Vitale Brovarone F, et al. **Minerva Ginecol** 1991 Apr;43(4):141-67 (186 ref.) (Eng. Abstr.) **(Ita)**
[Myasthenia gravis and pregnancy: review of the literature and report of 2 cases] Cecatti JG, et al. **Rev Paul Med** 1991 Jan-Feb;109(1):41-6 (13 ref.) (Eng. Abstr.) **(Por)**
[Spontaneous pneumothorax in pregnancy: description of a case and review of the literature] Chiner E, et al. **An Med Interna** 1990 Feb;7(2):86-8 (26 ref.) (Eng. Abstr.) **(Spa)**
[Systemic lupus erythematosus and pregnancy. Presentation of 2 cases and review of the literature] Livas Rodríguez S, et al. **Ginecol Obstet Mex** 1989 Jul;57:182-4 (17 ref.) (Eng. Abstr.) **(Spa)**

BLOOD

Lupus anticoagulant and anticardiolipin antibodies in pregnancy: a review. I. Immunochemistry and clinical implications. Hadi HA, et al. **Obstet Gynecol Surv** 1990 Nov;45(11):780-5 (36 ref.)

CHEMICALLY INDUCED

Erythema nodosum, estrogens, and pregnancy. Bartelsmeyer JA, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):777-81 (19 ref.)
Cocaine: a primer for providers of perinatal care. Holland JG, et al. **J Miss State Med Assoc** 1990 Sep;31(9):287-93 (10 ref.)
Fetal and neonatal effects of treatment with angiotensin-converting enzyme inhibitors in pregnancy. Hanssens M, et al. **Obstet Gynecol** 1991 Jul;78(1):128-35 (34 ref.)
[Marijuana and pregnancy: impact on the pregnant woman, the fetus and the newborn infant] García A, et al. **Med Clin (Barc)** 1991 Jan 26;96(3):106-9 (38 ref.) **(Spa)**

DIAGNOSIS

Uterine incarceration during the third trimester: a rare complication of pregnancy. Van Winter JT, et al. **Mayo Clin Proc** 1991 Jun;66(6):608-13 (16 ref.)
Lupus anticoagulant and anticardiolipin antibodies in pregnancy: a review. II. Diagnosis and management. Hadi HA, et al. **Obstet Gynecol Surv** 1990 Nov;45(11):786-91 (31 ref.)
Assessing mood states in pregnancy: survey of the literature. Tunis SL, et al. **Obstet Gynecol Surv** 1991 Jun;46(6):340-6 (58 ref.)
[Algodystrophy in pregnancy] Wurnig C, et al. **Z Orthop** 1991 Mar-Apr;129(2):146-50 (24 ref.) (Eng. Abstr.) **(Ger)**
[Pregnancy in mixed connective tissue disease] Bodolay E, et al. **Orv Hetil** 1991 Mar 24;132(12):619-22 (32 ref.) (Eng. Abstr.) **(Hun)**
[The clinical and therapeutic aspects of epulis gravidarum] Moniaci D, et al. **Minerva Stomatol** 1990 Dec;39(12):1023-6 (22 ref.) (Eng. Abstr.) **(Ita)**
[Gingivitis in pregnancy. The clinical manifestations, pathogenesis and treatment] Moniaci D, et al. **Minerva Stomatol** 1990 Oct;39(10):785-8 (22 ref.) (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Anticonvulsants in pregnancy. Meadow R. **Arch Dis Child** 1991 Jan;66(1 Spec No):62-5 (39 ref.)
Antirheumatic drugs in pregnancy and lactation. Brooks PM, et al. **Baillieres Clin Rheumatol** 1990 Apr;4(1):157-71 (112 ref.)
Detoxification considerations in the medical management of substance abuse in pregnancy. Allen MH. **Bull N Y Acad Med** 1991 May-Jun;67(3):270-6 (15 ref.)
Thyroid disease in relation to pregnancy. Lazarus JH, et al. **Clin Endocrinol (Oxf)** 1991 Jan;34(1):91-8 (68 ref.)
Low-dose aspirin to improve perinatal outcome. Barton JR, et al. **Clin Obstet Gynecol** 1991 Jun;34(2):251-61 (31 ref.)
The risks and benefits of taking aspirin during pregnancy. Hertz-Picciotto I, et al. **Epidemiol Rev** 1990;12:108-48 (133 ref.)
Lithium treatment during pregnancy, delivery, and lactation: an update. Schou M. **J Clin Psychiatry** 1990 Oct; 51(10):410-3 (27 ref.)
Anticonvulsants in pregnancy. Kilpatrick CJ, et al. **Med J Aust** 1991 Feb 4;154(3):199-202 (39 ref.)
Spina bifida in infants of women treated with carbamazepine during pregnancy [see comments] Rosa FW. **N Engl J Med** 1991 Mar 7;324(10):674-7 (26 ref.) Comment in: N Engl J Med 1991 Mar 7;324(10):690-1.
Clinical strategies for the use of psychotropic drugs during pregnancy. Miller LJ. **Psychiatr Med** 1991;9(2):275-98 (122 ref.)
[Periodic disease and pregnancy] Cousin C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991;20(4):554-61 (39 ref.) (Eng. Abstr.) **(Fre)**
[Therapy of bronchial asthma during pregnancy] Ukena D, et al. **Z Geburtshilfe Perinatol** 1990 Sep-Oct;194(5):188-99 (46 ref.) (Eng. Abstr.) **(Ger)**
[Pregnancy in diabetes insipidus--a case report with review of the literature] Cap R, et al. **Zentralbl Gynakol** 1990; 112(12):773-8 (30 ref.) (Eng. Abstr.) **(Ger)**
[Thyroid disease] Ashitaka Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1990 Aug; 42(8):855-60 (19 ref.) (Eng. Abstr.) **(Jpn)**
[Psychiatric and nervous disorders] Hara K. **Nippon Sanka Fujinka Gakkai Zasshi** 1990 Aug; 42(8):847-53 (15 ref.) (Eng. Abstr.) **(Jpn)**

EPIDEMIOLOGY

Outcome of pregnancies resulting from assisted conception. Beral V, et al. **Br Med Bull** 1990 Jul;46(3):753-68 (22 ref.)
Prenatal marijuana use: epidemiology, methodologic issues, and infant outcome. Day NL, et al. **Clin Perinatol** 1991 Mar;18(1):77-91 (29 ref.)
Drug use in pregnancy: obstetric perspectives. Evans AT, et al. **Clin Perinatol** 1991 Mar;18(1):23-32 (46 ref.)
Medical and surgical conditions predisposing to gastroesophageal reflux disease. Day JP, et al. **Gastroenterol Clin North Am** 1990 Sep;19(3):587-607 (91 ref.)
Unexplained elevations of maternal serum alpha-fetoprotein. Katz VL, et al. **Obstet Gynecol Surv** 1990 Nov; 45(11):719-26 (78 ref.)

ETIOLOGY

ABC of antenatal care. Multiple pregnancy. Chamberlain G. **BMJ** 1991 Jul 13;303(6794):111-5 (0 ref.)
ABC of antenatal care. Abdominal pain in pregnancy. Chamberlain G. **BMJ** 1991 Jun 8;302(6789):1390-4 (0 ref.)
VDT exposure and pregnant workers. **J Occup Med** 1991 Jun;33(6):675-6 (14 ref.)
Ventriculoperitoneal shunt malfunction during pregnancy. Cusimano MD, et al. **Neurosurgery** 1990 Dec;27(6):969-71 (14 ref.)
Sexuality and reproduction in spinal cord injured women. Nygaard I, et al. **Obstet Gynecol Surv** 1990 Nov; 45(11):727-32 (20 ref.)
[Exogenous modification of reproductive disorders; more questions than facts] Zielhuis GA, et al. **Ned Tijdschr Geneeskd** 1991 Jun 22;135(25):1117-20 (45 ref.) **(Dut)**
[Acute abdominal pain in pregnancy--incidence and differential diagnosis] Mussmann J. **Gynakologe** 1991 Jun; 24(3):155-9 (34 ref.) **(Ger)**
[Obstructive urine transport disorders of the upper urinary tract--pregnancy and iatrogenic lesions] Oesterwitz H, et al. **Z Urol Nephrol** 1990 Aug;83(8):405-10 (8 ref.) (Eng. Abstr.) **(Ger)**
[Diseases of the peripheral nervous system during pregnancy, labor and puerperium (review of the literature)] Burshinov AO, et al. **Zh Nevropatol Psikhiatr** 1991;91(4):109-13 (136 ref.) **(Rus)**

IMMUNOLOGY

[Pemphigoid gestationis: a single model of organ specific auto-immunity] Claudy AL. **Ann Dermatol Venereol** 1991; 118(4):323-7 (40 ref.) **(Fre)**
[The role of maternal body in the development of allergic reactivity in a newborn infant] Kuznetsova AV. **Akush Ginekol (Mosk)** 1991 May;(5):14-5 (26 ref.) **(Rus)**
[The immune system of the human fetus in the perinatal period of development in maternal health and disease] Riabchikov OP, et al. **Vestn Akad Med Nauk SSSR** 1991; (5):18-22 (30 ref.) **(Rus)**

METABOLISM

Clinical biochemistry of preeclampsia and related liver diseases of pregnancy: a review. Freund G, et al. **Clin Chim Acta** 1990 Nov 5;191(3):123-51 (95 ref.)
[Gas exchange between mother and child in physiological and pathological conditions] Künzel W. **Klin Anasthesiol Intensivther** 1989;37:20-35 (28 ref.) **(Ger)**

NURSING

Fetal and neonatal effects of maternal cocaine use. Peters H, et al. **J Obstet Gynecol Neonatal Nurs** 1991 Mar-Apr; 20(2):121-6 (23 ref.)

PATHOLOGY

Lymphocytic hypophysitis. The clinical spectrum of the disorder and evidence for an autoimmune pathogenesis [see comments] Pestell RG, et al. **Clin Endocrinol (Oxf)** 1990 Oct;33(4):457-66 (28 ref.) Comment in: Clin Endocrinol (Oxf) 1991 May;34(5):429-30.
[Open uterine rupture of the pregnant uterus bicornis--a case report] Haberthür F, et al. **Geburtshilfe Frauenheilkd** 1990 Sep;50(9):731-3 (13 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Review article: migraine and pregnancy. Uknis A, et al. **Headache** 1991 Jun;31(6):372-4 (10 ref.)
Malnutrition and lung growth. Gaultier C. **Pediatr Pulmonol** 1991;10(4):278-86 (54 ref.)
Functional consequences of maternal malnutrition. González-Cossio T, et al. **World Rev Nutr Diet** 1991; 64:139-73 (98 ref.)
[Disseminated sclerosis: sexual and obstetrical aspects] Stenager E, et al. **Nord Med** 1991;106(2):45-7 (15 ref.) (Eng. Abstr.) **(Dan)**

[Fetal and maternal risks in pregnant women with primitive chronic glomerulonephritis] Jungers P, et al. **Nephrologie** 1990;11(3):171–81 (149 ref.) **(Fre)**

[Selection of anesthetic methods in the operative delivery of patients at cardiac, respiratory and metabolic risk] Braun GG. **Klin Anasthesiol Intensivther** 1989;37:106–20 (31 ref.) **(Ger)**

[Epilepsy and pregnancy] Schäffler L. **Schweiz Med Wochenschr** 1990 Oct 13;120(41):1508–16 (73 ref.) (Eng. Abstr.) **(Ger)**

[Prostaglandins in gynecology and obstetrics] Cano López H. **Ginecol Obstet Mex** 1988 Jun;56:166–9 (24 ref.) (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Calcium, magnesium, and zinc supplementation and perinatal outcome. Repke JT. **Clin Obstet Gynecol** 1991 Jun; 34(2):262–7 (35 ref.)

Epidemiology, antenatal screening, nutrition, and therapeutics in pregnancy. Witter FR. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):36–9 (19 ref.)

Alcohol use during pregnancy: what is the risk? Alpert JJ, et al. **Pediatr Rev** 1991 Jun;12(12):375–9; discussion 380–1 (38 ref.)

[The initiative for a risk-free motherhood: which perspectives?] Dujardin B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991;20(3):397–405 (27 ref.) (Eng. Abstr.) **(Fre)**

[What benefit and harm can be expected from screening and routine examinations and from their omission?] Kuss E, et al. **Geburtshilfe Frauenheilkd** 1991 Jun;51(6):415–30 (90 ref.) (Eng. Abstr.) **(Ger)**

[Principles of therapeutic and preventive services for young pregnant women] Iakovleva EB. **Sov Med** 1991;(3):46–51 (91 ref.) **(Rus)**

PSYCHOLOGY

Drug addiction, pregnancy, and childbirth: legal issues for the medical and social services communities. Connolly WB Jr, et al. **Clin Perinatol** 1991 Mar;18(1):147–86 (119 ref.)

RADIOGRAPHY

Spontaneous renal rupture during pregnancy. Van Winter JT, et al. **Mayo Clin Proc** 1991 Feb;66(2):179–82 (13 ref.)

Arteriovenous malformation of the tongue. Saydjari R, et al. **South Med J** 1990 Nov;83(11):1335–7 (12 ref.)

RADIOTHERAPY

[Use of UV-irradiated autologous blood in obstetrics and gynecology] Grishchenko VI, et al. **Akush Ginekol (Mosk)** 1990 Jul;(7):3–6 (49 ref.) **(Rus)**

[Use of ultraviolet irradiation of blood in obstetrical and gynecological practice] Matsuev AI, et al. **Akush Ginekol (Mosk)** 1990 Aug;(8):6–10 (89 ref.) **(Rus)**

SURGERY

General surgical problems in pregnancy. Smoleniec J, et al. **Br J Surg** 1990 Nov;77(11):1203–4 (13 ref.)

Spontaneous rupture of liver during pregnancy: current therapy. Smith LG Jr, et al. **Obstet Gynecol** 1991 Feb; 77(2):171–5 (33 ref.)

[Dormicum, aneksat and their use in obstetrical and gynecological operations] Traikova V, et al. **Akush Ginekol (Sofiia)** 1990;29(5):61–4 (37 ref.) **(Bul)**

[Spontaneous pneumothorax in pregnancy: a case report and review of the literature] Miyasita M, et al. **Kyobu Geka** 1991 Jul;44(7):576–8 (11 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Emergency department approach to managing seizures in pregnancy. Jagoda A, et al. **Ann Emerg Med** 1991 Jan; 20(1):80–5 (78 ref.)

Medical management of abnormal pregnancy. Ratnam SS, et al. **Baillieres Clin Obstet Gynaecol** 1990 Jun;4(2):361–74 (34 ref.)

ABC of antenatal care. Medical problems in pregnancy—I [published erratum appears in BMJ 1991 Jun 22;302(6791):1530] Chamberlain G. **BMJ** 1991 May 25; 302(6787):1262–6 (0 ref.)

ABC of major trauma. Trauma in pregnancy [published erratum appears in BMJ 1990 Dec 8;301(6764):1320] [see comments] Nash P, et al. **BMJ** 1990 Oct 27;301(6758):974–6 (0 ref.) Comment in: BMJ 1990 Nov 17;301(6761):1162–3. Comment in: BMJ 1990 Dec 8;301(6764):1332.

Medical disorders in pregnancy, including hypertensive diseases. Sibai BM. **Curr Opin Obstet Gynecol** 1990 Feb; 2(1):13–22 (24 ref.)

Dialysis in pregnancy: a critical review. Elliott JP, et al. **Obstet Gynecol Surv** 1991 Jun;46(6):319–24 (31 ref.)

[Characteristics of cardiopulmonary resuscitation in pregnant women] Mauer D, et al. **Anaesthesist** 1990 Aug;39(8):393–7 (37 ref.) (Eng. Abstr.) **(Ger)**

[Pregnancy complicated with autoimmune diseases] Terao T. **Nippon Sanka Fujinka Gakkai Zasshi** 1990 Aug; 42(8):861–6 (0 ref.) (Eng. Abstr.) **(Jpn)**

[The current approaches to choosing a rational procedure for the pregnancy and labor management of women with a scar on the uterus] Strizhakov AN, et al. **Akush Ginekol (Mosk)** 1991 Feb;(2):8–13 (62 ref.) **(Rus)**

ULTRASONOGRAPHY

New applications of pelvic sonography. Fleischer AC. **Urol Radiol** 1991;13(1):9–15 (19 ref.)

PREGNANCY COMPLICATIONS, CARDIOVASCULAR

Prevention and treatment of pregnancy-associated hypertension: what have we learned in the last 10 years? Remuzzi G, et al. **Am J Kidney Dis** 1991 Sep;18(3):285–305 (244 ref.)

National High Blood Pressure Education Program Working Group Report on High Blood Pressure in Pregnancy [see comments] **Am J Obstet Gynecol** 1990 Nov;163(5 Pt 1):1691–712 (132 ref.) Comment in: Am J Obstet Gynecol 1991 Jul;165(1):236–7.

Pulmonary hypertension and pregnancy--a lethal combination. Roberts NV, et al. **Anaesth Intensive Care** 1990 Aug;18(3):366–74 (47 ref.)

ABC of antenatal care, Vaginal bleeding in early pregnancy--I [see comments] Chamberlain G. **BMJ** 1991 May 11;302(6785):1141–3 (0 ref.) Comment in: BMJ 1991 Jun 8;302(6789):1400–1.

ABC of antenatal care. Vaginal bleeding in early pregnancy–II [published erratum appears in BMJ 1991 Jun 29;302(6792):1596] Chamberlain G. **BMJ** 1991 May 18; 302(6786):1195–7 (0 ref.)

Epidural anaesthesia for labour and caesarean section in a parturient with a single ventricle and transposition of the great arteries. Fong J, et al. **Can J Anaesth** 1990 Sep; 37(6):680–4 (18 ref.)

Amniotic and thromboembolism. Chatelain SM, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):473–81 (18 ref.)

Cerebrovascular emergencies in pregnancy. Holcomb WL Jr, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):467–72 (30 ref.)

Anesthetic choice for the cardiac obstetric patient. Morgan M. **Middle East J Anesthesiol** 1990 Oct;10(6):621–32 (8 ref.)

Intracranial hemorrhage from aneurysms and arteriovenous malformations during pregnancy and the puerperium. Dias MS, et al. **Neurosurgery** 1990 Dec;27(6):855–65; discussion 865–6 (109 ref.)

Gonococcal endocarditis complicating pregnancy: a case report and literature review. Bataskov KL, et al. **Obstet Gynecol** 1991 Sep;78(3 (Pt 2)):494–6 (9 ref.)

Diagnosis and management of chronic hypertension in pregnancy. Sibai BM. **Obstet Gynecol** 1991 Sep;78(3 (Pt 1)):451–61 (67 ref.)

Bleeding in pregnancy. McGarry J. **Practitioner** 1990 Aug; 234(1493):768–70 (5 ref.)

[Cardiomyopathy in the peripartum period: current aspects. A multicenter study. 11 cases] Ferrière M, et al. **Arch Mal Coeur** 1990 Sep;83(10):1563–9 (26 ref.) (Eng. Abstr.) **(Fre)**

[Eisenmenger syndrome and pregnancy. Apropos of a case] Antoine JM, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991;20(1):79–82 (12 ref.) (Eng. Abstr.) **(Fre)**

[Relationship between hypertensive states and perinatal prognosis in abruptio placentae] Nardozza LM, et al. **Rev Paul Med** 1990 Jul–Aug;108(4):165–8 (17 ref.) (Eng. Abstr.) **(Por)**

DIAGNOSIS

[Pregnancy and myocardial infarct] Katsulov A, et al. **Akush Ginekol (Sofiia)** 1990;29(3):22–5 (5 ref.) (Eng. Abstr.) **(Bul)**

[Acute diagnosis and therapy in hypertensive emergencies, pre-eclampsia and eclampsia] Kaulhausen H. **Gynakologe** 1991 Jun;24(3):146–50 (24 ref.) **(Ger)**

[Myocardial infarction in pregnancy] Dürst UN, et al. **Schweiz Med Wochenschr** 1991 Mar 30;121(13):456–62 (76 ref.) (Eng. Abstr.) **(Ger)**

[Arterial hypertension in pregnant women] Halawa B. **Pol Tyg Lek** 1990 Mar 10–26;45(12–13):265–9 (34 ref.) **(Pol)**

DRUG THERAPY

Treatment of hypertension in pregnancy. Lubbe WF. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S110–3 (10 ref.)

Angiotensin-converting enzyme inhibitors in pregnancy may result in neonatal renal failure. Hulton SA, et al. **S Afr Med J** 1990 Dec 1;78(11):673–6 (29 ref.)

[The use of beta-blockers in pregnancy] Romero-Ayala LC, et al. **Arch Inst Cardiol Mex** 1990 Nov–Dec;60(6):593–5 (27 ref.) **(Spa)**

EPIDEMIOLOGY

Myocardial infarction during pregnancy: a case report. Frenkel Y, et al. **Cardiology** 1991;78(4):363–8 (25 ref.)

Renal artery stenosis during pregnancy: a review. Heyborne KD, et al. **Obstet Gynecol Surv** 1991 Aug;46(8):509–14 (29 ref.)

ETIOLOGY

Peripartum cardiomyopathy: clinical and therapeutic characteristics. Ventura HO. **J La State Med Soc** 1991 May; 143(5):45–8 (22 ref.)

Pregnancy and childbearing in a population with biologic valvular prostheses. Badduke BR, et al. **J Thorac Cardiovasc Surg** 1991 Aug;102(2):179–86 (25 ref.)

[Pathology of the spiral arteries of the uterus and its significance in the pathogenesis of disorders of the uteroplacental circulation] Voloshchuk IN. **Vestn Akad Med Nauk SSSR** 1991;(5):22–6 (50 ref.) (Eng. Abstr.) **(Rus)**

[The endocrine heart and gestational hypertension] Ayala AR. **Ginecol Obstet Mex** 1987 Aug;55:207–13 (21 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

Sodium transport inhibitors in pregnancy-induced hypertension. Poston L. **Cardiovasc Drugs Ther** 1990 Mar; 4 Suppl 2:351–6 (42 ref.)

PHYSIOPATHOLOGY

Hemodynamic changes in pregnancy and pregnancy complicated by hypertension. Dildy GA, et al. **Acute Care** 1988–89;14–15:26–46 (152 ref.)

["Goldblatt phenomenon of the uterus" and latent kidney disease as the cause of pregnancy-induced hypertension--epidemiology and therapeutic consequences] Künzel W. **Geburtshilfe Frauenheilkd** 1990 Nov;50(11):833–41 (43 ref.) (Eng. Abstr.) **(Ger)**

[Cardiological aspects of pregnancy in women with tetralogy of Fallot. Description of a case of multiple pregnancies and review of the literature] Ferro M, et al. **Minerva Cardioangiol** 1990 Nov;38(11):501–3 (20 ref.) (Eng. Abstr.) **(Ita)**

[Heart valve prosthesis, pregnancy and anticoagulant therapy] Castino PM, et al. **Minerva Ginecol** 1991 Jan–Feb; 43(1–2):23–7 (17 ref.) (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

Prevention of toxemia of pregnancy in Ecuadorian Andean women: experience with dietary calcium supplementation. López-Jaramillo P, et al. **Bull Pan Am Health Organ** 1991; 25(2):109–17 (62 ref.)

Prevention and treatment of pregnancy-induced hypertension. Repke JT. **Compr Ther** 1991 May;17(5):25–31 (12 ref.)

[Thromboembolic disease in obstetrics. Current concepts] Grio R, et al. **Minerva Ginecol** 1990 Sep;42(9):341–4 (17 ref.) (Eng. Abstr.) **(Ita)**

[Management with antithrombin III concentrate in a pregnant woman with hereditary antithrombin III deficiency] Higuchi M, et al. **Rinsho Ketsueki** 1990 Sep;31(9):1544–7 (17 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Anesthesia, cardiopulmonary bypass, and the pregnant patient. Strickland RA, et al. **Mayo Clin Proc** 1991 Apr; 66(4):411–29 (174 ref.)

[Anesthesiology problems in Takayasu's syndrome] Gaida BJ, et al. **Anaesthesist** 1991 Jan;40(1):1–6 (79 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

ABC of antenatal care. Raised blood pressure in pregnancy. Chamberlain G. **BMJ** 1991 Jun 15;302(6790):1454–8 (0 ref.)

Managing the pregnant patient with heart disease. Burlew BS. **Clin Cardiol** 1990 Nov;13(11):757–62 (41 ref.)

Management of acute paroxysmal supraventricular tachycardia in pregnancy. Pahlow B, et al. **J Am Osteopath Assoc** 1991 Jan;91(1):51–2, 57, 61–2 (28 ref.)

Thromboembolism and its management in pregnancy. Jeffries WS, et al. **Med J Aust** 1991 Aug 19;155(4):253–8 (106 ref.)

PREGNANCY COMPLICATIONS, HEMATOLOGIC

Haematological disorders responsible for maternal bleeding in late pregnancy. Gatt S. **Anaesth Intensive Care** 1990 Aug; 18(3):335–47 (49 ref.)

Epidurals, spinals and bleeding disorders in pregnancy: a review. Sage DJ. **Anaesth Intensive Care** 1990 Aug; 18(3):319–26 (85 ref.)

ABC of antenatal care. Medical problems in pregnancy—II. Chamberlain G. **BMJ** 1991 Jun 1;302(6788):1327–30 (0 ref.)

Fanconi's anaemia and pregnancy. Alter BP, et al. **Br J Haematol** 1991 Mar;77(3):410–8 (83 ref.)

Primary thrombocythaemia in pregnancy. Beard J, et al. **Br J Haematol** 1991 Mar;77(3):371–4 (33 ref.)

Coagulation abnormalities and obstetric anaesthesia. Douglas MJ. **Can J Anaesth** 1991 May;38(4 Pt 2):R17–25 (42 ref.) **(Eng, Fre)**

Thrombotic thrombocytopenic purpura and hemolytic uremic syndrome in pregnancy. Miller JM Jr, et al. **Clin Obstet Gynecol** 1991 Mar;34(1):64–71 (71 ref.)

Autoimmune thrombocytopenic purpura in pregnancy. Moise KJ Jr. **Clin Obstet Gynecol** 1991 Mar;34(1):51–63 (61 ref.)

Management of pregnancy in sickle cell syndromes. Koshy M, et al. **Hematol Oncol Clin North Am** 1991 Jun; 5(3):585–96 (35 ref.)

Immune thrombocytopenia and May-Hegglin anomaly during pregnancy. Siddiqui T, et al. **J Fla Med Assoc** 1991 Feb;78(2):88–92 (29 ref.)

Immune thrombocytopenia in the perinatal period. Beardsley DS. **Semin Perinatol** 1990 Oct;14(5):368–73 (36 ref.)

[Antithrombin III deficiency and pregnancy. Apropos of a case] Tissot H, et al. **Rev Fr Gynecol Obstet** 1990 Jul–Sep; 85(7–9):473–7 (23 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Obstetrical coagulopathies—current understandings] Glavanakova V, et al. **Akush Ginekol (Sofiia)** 1991; 30(2):46–53 (62 ref.) **(Bul)**

[Immunologic thrombocytopenic purpura and pregnancy (the experience with 10 cases)] Mendoza Meixueiro F, et al. **Ginecol Obstet Mex** 1987 Jan;55:16–8 (21 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Antithrombin III replacement therapy in pregnancy. Owen J. **Semin Hematol** 1991 Jan;28(1):46–52 (42 ref.)

ETIOLOGY

Bernard–Soulier syndrome in pregnancy; a report of four pregnancies in one patient, and review of the literature. Saade G, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 Jul 1;40(2):149–52 (7 ref.)

Anemia associated with pregnancy in a cyclosporine-treated renal allograft recipient. Zeidan BS, et al. **Transplant Proc** 1991 Aug;23(4):2301–3 (20 ref.)

PHYSIOPATHOLOGY

Pregnancy-associated hypoplastic anemia: a review. Snyder TE, et al. **Obstet Gynecol Surv** 1991 May;46(5):264–9 (47 ref.)

THERAPY

Primary thrombocythaemia: diagnosis and management. Pearson TC. **Br J Haematol** 1991 Jun;78(2):145–8 (16 ref.)

Antenatal supplementation—effect on iron status of infants [see comments] Lokeshwar MR, et al. **Indian Pediatr** 1990 Jul;27(7):677–80 (23 ref.) Comment in: Indian Pediatr 1991 Feb;28(2):194–6.

Paraplegia in a pregnant thalassemic woman due to extramedullary hematopoiesis: successful management with transfusions. Singounas EG, et al. **Surg Neurol** 1991 Sep; 36(3):210–5 (22 ref.)

[Intravascular platelet transfusion in utero for the treatment of immunologic thrombocytopenic purpura: a case report] Takagi T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1991 Mar;43(3):357–60 (13 ref.) **(Jpn)**

[Current state of the problem of anemia in pregnancy and the corrective therapy of postpartum hemorrhage] Saburov KhS, et al. **Akush Ginekol (Mosk)** 1990 Jul;(7):10–2 (45 ref.) **(Rus)**

PREGNANCY COMPLICATIONS, INFECTIOUS

Perinatal transmission of human papillomavirus. Fletcher JL Jr. **Am Fam Physician** 1991 Jan;43(1):143–8 (28 ref.)

Progress in pathogenesis and management of clinical intraamniotic infection. Gibbs RS, et al. **Am J Obstet Gynecol** 1991 May;164(5 Pt 1):1317–26 (47 ref.)

Chlamydia trachomatis infection during pregnancy. McGregor JA, et al. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 2):1782–9 (63 ref.)

Hepatosplenic schistosomiasis in pregnancy: report of a case and review of the literature. Kopelman JN, et al. **Am J Perinatol** 1990 Oct;7(4):380–3 (14 ref.)

ABC of antenatal care. Medical problems in pregnancy—II. Chamberlain G. **BMJ** 1991 Jun 1;302(6788):1327–30 (0 ref.)

Viral infections in pregnancy. Morgan-Capner P. **Br J Hosp Med** 1991 Mar;45(3):150, 154–7 (40 ref.)

Erythema infectiosum and pregnancy–related complications [see comments] Levy M, et al. **Can Med Assoc J** 1990 Nov 1;143(9):849–58 (132 ref.) Comment in: Can Med Assoc J 1991 Jan 15;144(2):122.

Obstetric septic shock: a pathophysiologic basis for management. Pearlman M, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):482–92 (33 ref.)

Cutaneous manifestations of bacterial and viral disorders in pregnancy. Smith LG Jr, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):792–800 (25 ref.)

Perinatal mycoplasmal infections. Cassell GH, et al. **Clin Perinatol** 1991 Jun;18(2):241–62 (84 ref.)

Human immunodeficiency virus infection in pregnancy. MacGregor SN. **Clin Perinatol** 1991 Mar;18(1):33–50 (82 ref.)

Intrauterine infection and premature membrane rupture. Eschenbach DA. **Curr Opin Obstet Gynecol** 1989 Oct; 1(1):23–6 (20 ref.)

Maternal and fetal infection. McGregor JA. **Curr Opin Obstet Gynecol** 1991 Feb;3(1):15–23 (57 ref.)

Cytomegalovirus infection in pregnancy. Case reports and literature review. Urang S. **J Nurse Midwifery** 1990 Sep–Oct;35(5):299–306 (27 ref.)

Gonococcal endocarditis complicating pregnancy: a case report and literature review. Bataskov KL, et al. **Obstet Gynecol** 1991 Sep;78(3 (Pt 2)):494–6 (9 ref.)

Role of the placenta in perinatal transmission of HIV. Valente P, et al. **Obstet Gynecol Clin North Am** 1990 Sep; 17(3):607–16 (46 ref.)

Lyme disease: a review with emphasis on the pregnant woman. Smith LG Jr, et al. **Obstet Gynecol Surv** 1991 Mar; 46(3):125–30 (46 ref.)

Maternal and perinatal issues regarding HIV infection. Lambert JS. **Pediatr Ann** 1990 Aug;19(8):468–72 (25 ref.)

Herpes simplex virus infections. Arvin AM, et al. **Pediatr Infect Dis J** 1990 Oct;9(10):765–7 (10 ref.)

Subclinical infection as a cause of preterm delivery. Gibbs RS. **Pediatr Infect Dis J** 1990 Oct;9(10):777 (9 ref.)

Passive immunization to prevent mother–infant transmission of human immunodeficiency virus: current issues and future directions. Mofenson LM, et al. **Pediatr Infect Dis J** 1991 Jun;10(6):456–62 (48 ref.)

Significance of cytomegaloviral infections in pregnancy and early childhood. Stagno S. **Pediatr Infect Dis J** 1990 Oct; 9(10):753–4 (11 ref.)

Pediatric acquired immunodeficiency virus syndrome. Yogev R. **Pediatr Infect Dis J** 1990 Oct;9(10):767–8 (4 ref.)

Congenital and perinatal cytomegalovirus infections. Alford CA, et al. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S745–53 (71 ref.)

Candida sepsis in pregnancy and the postpartum period. Potasman I, et al. **Rev Infect Dis** 1991 Jan–Feb;13(1):146–9 (25 ref.)

[Intrauterine infections caused by other "less common" viruses: human B19 parvovirus and Epstein–Barr virus] Moya Benavent M, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 43:96–103 (49 ref.) **(Spa)**

DIAGNOSIS

Antenatal infections and screening. Freij BJ, et al. **Curr Opin Obstet Gynecol** 1989 Oct;1(1):27–30 (13 ref.)

Laboratory diagnosis of rubella: past, present and future. Cradock-Watson JE. **Epidemiol Infect** 1991 Aug; 107(1):1–15 (82 ref.)

[Infectious fetal diseases] Hohlfeld P. **Arch Gynecol Obstet** 1990;247 Suppl:S15–24 (28 ref.) **(Fre)**

[The diagnosis of infection in pregnancy at risk] Hoyme UB. **Gynakologe** 1990 Oct;23(5):266–72 (17 ref.) **(Ger)**

[Problems of perinatal transmission of hepatitis B] Jährig D, et al. **Kinderarztl Prax** 1990 Aug;58(8):401–8 (54 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Use of antibiotics during pregnancy. Lynch CM, et al. **Am Fam Physician** 1991 Apr;43(4):1365–8 (14 ref.)

Treatment with acyclovir of varicella pneumonia in pregnancy. Broussard RC, et al. **Chest** 1991 Apr; 99(4):1045–7 (23 ref.)

Drugs for treatment of vulvovaginal candidiasis: comparative efficacy of agents and regimens. Doering PL, et al. **DICP** 1990 Nov;24(11):1078–83 (71 ref.)

Herpes simplex virus hepatitis in pregnancy. Two patients successfully treated with acyclovir. Klein NA, et al. **Gastroenterology** 1991 Jan;100(1):239–44 (22 ref.)

Single dose fosfomycin trometamol versus multiple dose nitrofurantoin in pregnant women with bacteriuria: preliminary results. Thoumsin H, et al. **Infection** 1990;18 Suppl 2:S94–7 (25 ref.)

Role of new cephamycins in the management of obstetric and gynecologic infections. Jones RN. **J Reprod Med** 1990 Nov;35(11 Suppl):1070–7 (24 ref.)

Role of cephamycins in obstetrics and gynecology. Sweet RL. **J Reprod Med** 1990 Nov;35(11 Suppl):1064–9 (34 ref.)

Premature rupture of the membranes: intraamniotic infection. Gibbs RS. **Pediatr Infect Dis J** 1990 Oct;9(10):776 (12 ref.)

[Therapeutic strategies in pregnancy bacteriuria] Aghayan M, et al. **Rev Med Liege** 1990 Sep;45(9):433–9 (39 ref.) **(Fre)**

EPIDEMIOLOGY

Rubella in the developing world. Miller CL. **Epidemiol Infect** 1991 Aug;107(1):63–8 (32 ref.)

Rubella in the United Kingdom. Miller E. **Epidemiol Infect** 1991 Aug;107(1):31–42 (26 ref.)

HIV infection in pregnancy: epidemiology and clinical management. MacDonald MG, et al. **J Acquir Immune Defic Syndr** 1991;4(2):100–8 (58 ref.)

Epidemiology, natural history, and management of urinary tract infections in pregnancy. Andriole VT, et al. **Med Clin North Am** 1991 Mar;75(2):359–73 (71 ref.)

Human parvovirus B19 infections in pregnancy. Török TJ. **Pediatr Infect Dis J** 1990 Oct;9(10):772–6 (38 ref.)

Genital infections and reproductive health: infertility and morbidity of mother and child in developing countries. Bergström S. **Scand J Infect Dis Suppl** 1990;69:99–105 (48 ref.)

Epidemiology of hepatitis B virus (HBV) infections with particular regard to current routes of transmission and development of cirrhosis and malignancy. Norkrans G. **Scand J Infect Dis Suppl** 1990;69:43–7 (22 ref.)

[Herpes and pregnancy] Granier F, et al. **Ann Dermatol Venereol** 1990;117(12):971–4 (32 ref.) **(Fre)**

[Epidemiology of herpes simplex virus y papilloma virus: current concepts] Bernal JN. **Rev Chil Obstet Ginecol** 1989; 54(3):173–8 (38 ref.) **(Spa)**

ETIOLOGY

Human immunodeficiency virus and the placenta. Current concepts of vertical transmission in relation to other viral agents. Schwartz DA, et al. **Ann Clin Lab Sci** 1991 Jul–Aug;21(4):264–74 (53 ref.)

[Intrauterine infection an important cause of pregnancy complications] Pettersson M, et al. **Lakartidningen** 1990 Sep 12;87(37):2874, 2877–8 (24 ref.) **(Swe)**

IMMUNOLOGY

Infection-induced activation of cell-mediated immunity: possible mechanism for preterm birth. Witkin S, et al. **Clin Obstet Gynecol** 1991 Mar;34(1):112–21 (48 ref.)

The immunology of HIV disease and pregnancy and possible interactions. Coyne BA, et al. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):595–606 (51 ref.)

MICROBIOLOGY

Maternal listeriosis in pregnancy without fetal or neonatal infection. MacGowan AP, et al. **J Infect** 1991 Jan; 22(1):53–7 (15 ref.)

Group B streptococcal infections. Edwards MS. **Pediatr Infect Dis J** 1990 Oct;9(10):778–81 (38 ref.)

Bacteriology of neonatal sepsis. Klein JO. **Pediatr Infect Dis J** 1990 Oct;9(10):778 (7 ref.)

[Bacterial genesis of preterm delivery] Helmig R, et al. **Ugeskr Laeger** 1991 Apr 29;153(18):1268–71 (30 ref.) (Eng. Abstr.) **(Dan)**

[AIDS in children (clinico-morphological aspects)] Iakovtsova AF, et al. **Pediatriia** 1991;(2):100–4 (46 ref.) **(Rus)**

[Studying the levels of endotoxemia in meningococcal sepsis. Its relations to pregnancy and antibiotic treatment] Loscertales Abril M, et al. **An Esp Pediatr** 1991 May; 34(5):355–9 (38 ref.) (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Parasites during pregnancy. Tietze PE, et al. **Prim Care** 1991 Mar;18(1):75–99 (35 ref.)

[Toxoplasma infection and pregnancy] Filipov G. **Akush Ginekol (Sofiia)** 1990;29(6):58–61 (14 ref.) **(Bul)**

[Intestinal parasitosis in pregnancy] Piacentino R, et al. **Minerva Ginecol** 1991 Mar;43(3):65–9 (20 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Parvovirus B19 infection in pregnancy. Schwarz TF, et al. **Behring Inst Mitt** 1990 Aug;(85):69–73 (11 ref.)

Preterm labor, preterm delivery, intrauterine infection, and preterm rupture of membranes. Papiernik E. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):8–12 (16 ref.)

Cytokines and infection–induced preterm labour. Casey ML, et al. **Reprod Fertil Dev** 1990;2(5):499–509 (29 ref.)

Pediatric cytomegalovirus infection. Britt WJ, et al. **Transplant Proc** 1991 Jun;23(3 Suppl 3):115–7 (14 ref.)

Guinea pig model of congenital cytomegalovirus infection. Griffith BP, et al. **Transplant Proc** 1991 Jun;23(3 Suppl 3):29–31, discussion 31 (20 ref.)

Guinea pig model of congenital CMV-induced hearing loss: a review. Woolf NK. **Transplant Proc** 1991 Jun;23(3 Suppl 3):32–4, discussion 34 (16 ref.)

PREVENTION & CONTROL

Screening for viral and protozoal infections in pregnancy. A review. Klapper PE, et al. **Br J Obstet Gynaecol** 1990 Nov;97(11):974–83 (84 ref.)

Working with pregnant women at high risk for HIV infection: outreach and intervention. Weissman G. **Bull N Y Acad Med** 1991 May–Jun;67(3):291–300 (6 ref.)

Rubella vaccines: past, present and future. Best JM. **Epidemiol Infect** 1991 Aug;107(1):17–30 (101 ref.)

Rubella in Europe. Galazka A. **Epidemiol Infect** 1991 Aug; 107(1):43–54 (41 ref.)

Rubella in the United States: toward a strategy for disease control and elimination. Herrmann KL. **Epidemiol Infect** 1991 Aug;107(1):55–61 (17 ref.)

An assessment of low birthweight risk in primiparae as an indicator of malaria control in pregnancy. Brabin B. **Int J Epidemiol** 1991 Mar;20(1):276–83 (40 ref.)

HIV and childbearing. 2. AIDS and reproductive decisions: having children in fear and trembling. Arras JD. **Milbank Q** 1990;68(3):353–82 (37 ref.)

HIV and childbearing.1. Uncertain risks and bitter realities: the reproductive choices of HIV-infected women. Levine C, et al. **Milbank Q** 1990;68(3):321–51 (57 ref.)

HIV infection. Managing exposure risks for the obstetrician/gynecologist. Crombleholme WR. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):627–36 (18 ref.)

Human immunodeficiency virus education and screening of prenatal patients. Tuomala R. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):571–83 (50 ref.)

Group B streptococcus: the effectiveness of screening and chemoprophylaxis. Greenspoon JS, et al. **Obstet Gynecol Surv** 1991 Aug;46(8):499–508 (35 ref.)

Varicella in the womb and beyond. Brunell PA. **Pediatr Infect Dis J** 1990 Oct;9(10):770–2 (27 ref.)

Consensus: varicella-zoster infections in pregnancy and the perinatal period. Prober CG, et al. **Pediatr Infect Dis J** 1990 Dec;9(12):865–9 (12 ref.)

The tragedy of toxoplasmosis. Remington JS. **Pediatr Infect Dis J** 1990 Oct;9(10):762–3 (6 ref.)
[Hepatitis B virus infection and pregnancy: diagnostic screening and immune prevention] Gerken G, et al. **Gynakologe** 1991 Jun;24(3):125–8 (20 ref.) **(Ger)**
[Structure and function of human lactoferrin; prospects of its studies in obstetrics] Diugeev AN, et al. **Akush Ginekol (Mosk)** 1991 Jan;(1):6–9 (52 ref.) **(Rus)**

SURGERY

[The management of pregnant women presenting with genital HPV infections] Audra P. **Rev Fr Gynecol Obstet** 1990 Oct;85(10):561–3 (9 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Herpes simplex and human papillomavirus genital infections: controversy over obstetric management. Osborne NG, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):801–11 (20 ref.)
Human immunodeficiency virus infection in pregnancy. Nanda D. **Obstet Gynecol Clin North Am** 1990 Sep; 17(3):617–26 (48 ref.)
Human immunodeficiency virus infection, women, and pregnancy. Ethical issues. Nolan K. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):651–68 (54 ref.)
[HIV-infected women and their children: the situation of transmission and care] Bohlin AB, et al. **Lakartidningen** 1990 Nov 28;87(48):4064–6, 4071 (26 ref.) **(Swe)**

PREGNANCY COMPLICATIONS, NEOPLASTIC

Cervical cancer in pregnancy. Hannigan EV. **Clin Obstet Gynecol** 1990 Dec;33(4):837–45 (34 ref.)
Melanoma in pregnancy. Wong DJ, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):782–91 (57 ref.)
Partial hydatidiform mole with subsequent trophoblastic tumor; a case report. Vejerslev LO, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 Jun 5;40(1):73–7 (22 ref.)
Ovarian endodermal sinus tumor associated with pregnancy: review of the literature. Farahmand SM, et al. **Gynecol Oncol** 1991 May;41(2):156–60 (12 ref.)
Breast cancer during pregnancy and lactation. Hoover HC Jr. **Surg Clin North Am** 1990 Oct;70(5):1151–63 (44 ref.)
Management of Cushing's syndrome secondary to adrenal adenoma during pregnancy. Pricolo VE, et al. **Surgery** 1990 Dec;108(6):1072–7; discussion 1077–8 (28 ref.)
Thymoma and myasthenia gravis in pregnancy: report of a case. Huang CC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1991 Feb;90(2):206–8 (10 ref.)
[Nasopharyngeal cancer and pregnancy. Review of the literature. Report of a case] Sevray B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991;20(3):431–5 (11 ref.) (Eng. Abstr.) **(Fre)**
[Malignant ovarian tumors in pregnancy] Atar E, et al. **Harefuah** 1990 Sep;119(5–6):146–8 (31 ref.) **(Heb)**
[Congenital giant melanocytic mole and pregnancy. Report of a case and review of the literature] Trompeo P, et al. **Minerva Ginecol** 1990 Nov;42(11):481–3 (22 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

[Primary Burkitt-type undifferentiated lymphoma in the ovary and pregnancy] Benavides Ledezma RR, et al. **Ginecol Obstet Mex** 1988 Nov;56:293–7 (19 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Adult embryonal rhabdomyosarcoma of the vagina complicating pregnancy: a case report and review of the literature. Singhal S, et al. **Asia Oceania J Obstet Gynaecol** 1990 Dec;16(4):301–6 (25 ref.)
Treatment of advanced epithelial ovarian carcinoma in pregnancy with cisplatin-based chemotherapy. King LA, et al. **Gynecol Oncol** 1991 Apr;41(1):78–80 (16 ref.)
[Treatment of malignant neoplasms in pregnancy. II] Robak T, et al. **Przegl Lek** 1990;47(8):603–6 (23 ref.) **(Pol)**

PATHOLOGY

Diagnosis and management of brain metastasis from gestational trophoblastic disease. Weed JC Jr, et al. **Oncology (Williston Park)** 1991 Jun;5(6):48–50; discussion 50, 53–4 (7 ref.)

PHYSIOPATHOLOGY

[Prolactinoma and pregnancy] Gangemi M. **Minerva Endocrinol** 1990 Jan–Mar;15(1):9–11 (16 ref.) (Eng. Abstr.) **(Ita)**

SURGERY

Cutaneous surgery and the pregnant patient. Gormley DE. **J Am Acad Dermatol** 1990 Aug;23(2 Pt 1):269–79 (130 ref.)
Malignant spinal cord tumors: a review and case presentation. Raney DJ. **J Neurosci Nurs** 1991 Feb;23(1):44–9 (7 ref.)
Management of the pregnant patient with carcinoma of the breast. Barnavon Y, et al. **Surg Gynecol Obstet** 1990 Oct; 171(4):347–52 (52 ref.)
[The management of pregnant women presenting with genital HPV infections] Audra P. **Rev Fr Gynecol Obstet** 1990 Oct;85(10):561–3 (9 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Breast cancer and pregnancy. van der Vange N, et al. **Eur J Surg Oncol** 1991 Feb;17(1):1–8 (69 ref.)
[Tumor therapy in pregnancy] Winkelmann M, et al. **Dtsch Med Wochenschr** 1991 Apr 26;116(17):670–3 (24 ref.) **(Ger)**
[Myoma in pregnancy—a case report and a literature review] Ammann M, et al. **Schweiz Rundsch Med Prax** 1990 Oct 2;79(40):1172–4 (10 ref.) (Eng. Abstr.) **(Ger)**
[Condylomata acuminata during pregnancy] Orvieto R, et al. **Harefuah** 1990 Dec 2;119(11):399–403 (20 ref.) **(Heb)**
[Treatment of neoplasms in pregnancy. I] Robak T, et al. **Przegl Lek** 1990;47(7):562–4 (16 ref.) **(Pol)**

PREGNANCY, ECTOPIC

Ectopic pregnancy: a look at changing concepts and problems. Stock RJ. **Clin Obstet Gynecol** 1990 Sep; 33(3):448–53 (18 ref.)
Ectopic pregnancy: recent advances in diagnosis, clinical management, and conservative surgery. Newton J. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):216–9 (9 ref.)
Ectopic pregnancy in adolescents: a clinical review for pediatricians. Ammerman S, et al. **J Pediatr** 1990 Nov; 117(5):677–86 (82 ref.)

DIAGNOSIS

[Current diagnostic procedures in suspected extrauterine pregnancy] Baumann R. **Gynakologe** 1991 Feb;24(1):47–51 (22 ref.) **(Ger)**
[Cervical pregnancy] Serdio Calderón J, et al. **Ginecol Obstet Mex** 1987 Dec;55:323–8 (10 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

New effects of active and passive smoking on reproduction? [editorial] Samet JM. **Am J Epidemiol** 1991 Feb 15; 133(4):348–50 (13 ref.)
Heterotopic pregnancy involving the ovary and uterus following ovulation induction: diagnosis and management. Stroumbakis N, et al. **Conn Med** 1991 Apr;55(4):195–9 (25 ref.)
Dose- and age-dependent ectopic pregnancy risks with intrauterine contraception. Sivin I. **Obstet Gynecol** 1991 Aug;78(2):291–8 (68 ref.)
Pelvic inflammatory disease and related disorders; novel observations. Mårdh PA. **Scand J Infect Dis Suppl** 1990; 69:83–7 (25 ref.)

MICROBIOLOGY

Genital chlamydial infections: epidemiology and reproductive sequelae. Cates W Jr, et al. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 2):1771–81 (124 ref.)

PATHOLOGY

Pathology of the fallopian tube. Tokunaga T, et al. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):574–9 (42 ref.)

SURGERY

Ectopic pregnancy. Nager CW, et al. **Clin Obstet Gynecol** 1991 Jun;34(2):403–11 (31 ref.)
Persistent ectopic pregnancy following laparoscopic linear salpingostomy. Seifer DB, et al. **Obstet Gynecol** 1990 Dec; 76(6):1121–5 (12 ref.)

ULTRASONOGRAPHY

Transvaginal sonography in extrauterine and intrauterine pregnancy. Coleman BG. **Semin Roentgenol** 1991 Jan; 26(1):63–74 (24 ref.)
[Diagnostic possibilities of transvaginal echography in the first trimester of pregnancy] Strizhakov AN, et al. **Akush Ginekol (Mosk)** 1990 Nov;(11):6–9 (43 ref.) **(Rus)**

PREGNANCY, FIRST TRIMESTER see **PREGNANCY TRIMESTER, FIRST**

PREGNANCY IN ADOLESCENCE

Preventive strategies in education: history, current practices, and future trends regarding substance abuse and pregnancy prevention. Sowers JG. **Bull N Y Acad Med** 1991 May–Jun; 67(3):256–69 (4 ref.)
Substance use by pregnant adolescents. Kokotailo PK, et al. **Clin Perinatol** 1991 Mar;18(1):125–38 (37 ref.)
Adolescents and oral contraceptives. Sanfilippo JS. **Int J Fertil** 1991;36 Suppl 2:65–77; discussion 77–9 (26 ref.)
Adolescent pregnancy: the clinician's role in intervention. Zabin LS. **J Gen Intern Med** 1990 Sep–Oct;5(5 Suppl):S81–8 (34 ref.)
Ectopic pregnancy in adolescents: a clinical review for pediatricians. Ammerman S, et al. **J Pediatr** 1990 Nov; 117(5):677–86 (82 ref.)
Adolescent pregnancy. Stevens-Simon C, et al. **Pediatr Ann** 1991 Jun;20(6):322–31 (27 ref.)

PHYSIOLOGY

[Principles of therapeutic and preventive services for young pregnant women] Iakovleva EB. **Sov Med** 1991;(3):46–51 (91 ref.) **(Rus)**

PSYCHOLOGY

Primary prevention of adolescent pregnancy [see comments] Perkins JL. **Birth Defects** 1991;27(1):9–28 (114 ref.) Comment in: Birth Defects 1991;27(1):29–32.
Adolescents and oral contraceptives. Sanfilippo JS. **Int J Fertil** 1991;36 Suppl 2:65–77; discussion 77–9 (26 ref.)
Mandatory parental involvement prior to adolescent abortion. Worthington EL Jr, et al. **J Adolesc Health** 1991 Mar;12(2):138–42 (49 ref.)

STATISTICS & NUMERICAL DATA

Adolescent pregnancy in the United States: a review and recommendations for clinicians and research needs. Fielding JE, et al. **Am J Prev Med** 1991 Jan–Feb;7(1):47–52 (69 ref.)
Community-based secondary prevention with the pregnant adolescent [see comments] Auterman ME. **Birth Defects** 1991;27(1):206–27 (85 ref.) Comment in: Birth Defects 1991;27(1):228–34.
A critique of community-based tertiary prevention with the adolescent parent and child [comment] Flick LH. **Birth Defects** 1991;27(1):250–64 (43 ref.) Comment on: Birth Defects 1991;27(1):235–49.
Community-based tertiary prevention with the adolescent parent and child [see comments] Jones LC. **Birth Defects** 1991;27(1):235–49 (42 ref.) Comment in: Birth Defects 1991;27(1):250–64.
Community-based primary prevention of adolescent pregnancy [see comments] Norr KF. **Birth Defects** 1991; 27(1):175–99 (57 ref.) Comment in: Birth Defects 1991;27(1):200–5.
Tertiary prevention with adolescent mothers: rehabilitation after the first pregnancy [see comments] O'Sullivan AL. **Birth Defects** 1991;27(1):57–71 (21 ref.) Comment in: Birth Defects 1991;27(1):72–82.
Family-focused primary prevention of adolescent pregnancy [see comments] Raines TG. **Birth Defects** 1991;27(1):87–103 (47 ref.) Comment in: Birth Defects 1991;27(1):104–13.
Family-focused tertiary prevention with the adolescent mother and her child [see comments] Rich OJ. **Birth Defects** 1991;27(1):137–54 (33 ref.) Comment in: Birth Defects 1991;27(1):155–68.
A critique of family-focused tertiary prevention with the adolescent mother and her child [comment] Smith L. **Birth Defects** 1991;27(1):155–68 (73 ref.) Comment on: Birth Defects 1991;27(1):137–54.
Family-focused secondary prevention with the pregnant adolescent and adolescent father [see comments] Wilkerson NN. **Birth Defects** 1991;27(1):114–30 (70 ref.) Comment in: Birth Defects 1991;27(1):131–6.

PREGNANCY IN DIABETES

Congenital malformations in infants of diabetic mothers. Hernandez JA. **Curr Opin Obstet Gynecol** 1989 Dec; 1(2):177–83 (12 ref.)
Diabetes mellitus in pregnancy: clinical review. York R, et al. **J Perinatol** 1990 Sep;10(3):285–93 (66 ref.)
[The association of acute polyradiculoneuritis, transitory diabetes insipidus and pregnancy. Apropos of a case and review of the literature] Berteau P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1990;19(7):793–802 (77 ref.) (Eng. Abstr.) **(Fre)**

BLOOD

Glycated proteins and gestational diabetes mellitus. Hod M, et al. **Isr J Med Sci** 1990 Nov;26(11):638–44 (74 ref.)

COMPLICATIONS

The effects of maternal diabetes on the fetus and neonate. Rosenn B, et al. **Ann Clin Lab Sci** 1991 May–Jun; 21(3):153–70 (179 ref.)
Infant of the diabetic mother. Merchant RH, et al. **Indian Pediatr** 1990 Apr;27(4):373–9 (26 ref.)

DIAGNOSIS

Assessment of carbohydrate tolerance in pregnancy. Reece EA, et al. **Obstet Gynecol Surv** 1991 Jan;46(1):1–14 (105 ref.)

DIET THERAPY

Diabetes and diet in pregnancy. Dornhorst A, et al. **Baillieres Clin Endocrinol Metab** 1990 Jun;4(2):291–311 (79 ref.)

DRUG THERAPY

Maternal insulin to lower the risk of fetal macrosomia in diabetic pregnancy. Coustan DR. **Clin Obstet Gynecol** 1991 Jun;34(2):288–95 (31 ref.)
[A proposed model of the treatment of diabetes mellitus in pregnancy] Strojek K, et al. **Pol Tyg Lek** 1990 Mar 10–26; 45(12–13):261–3 (16 ref.) (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Insulin-dependent diabetes mellitus and immunogenetics: maternal and fetal considerations. Reece EA, et al. **Obstet Gynecol Surv** 1991 May;46(5):255–63 (65 ref.)

METABOLISM

Insulin receptor binding and glucose metabolism in normal human pregnancy and gestational diabetes mellitus. A review. Andersen O. **Dan Med Bull** 1990 Dec;37(6):492–501 (149 ref.)

PATHOLOGY

[Pathology of the placenta. IV. Maturation disorders of the placenta under special clinical conditions] Emmrich P. **Zentralbl Pathol** 1991;137(1):2–13 (22 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Maternal diabetes during pregnancy: consequences for the offspring. Aerts L, et al. **Diabetes Metab Rev** 1990 Dec; 6(3):147–67 (62 ref.)

Lactation in insulin-dependent diabetes. Neubauer SH. **Prog Food Nutr Sci** 1990;14(4):333–70 (138 ref.)

[Pregnancy diabetes] Zweers EJ, et al. **Ned Tijdschr Geneeskd** 1991 Jun 1;135(22):975–9 (50 ref.) **(Dut)**

[Physiopathologic aspects of gestational diabetes] Botta RM. **Ann Ital Med Int** 1988 Jan-Mar;3(1):48–53 (23 ref.) (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

Contraceptive options for the gestational diabetic woman. Shoupe D, et al. **Int J Fertil** 1991;36 Suppl 2:80–4; discussion 84–6 (19 ref.)

SURGERY

[Anesthesia for cesarean section in the diabetic patient] Besnard V, et al. **Cah Anesthesiol** 1990 Dec;38(6):425–30 (41 ref.) **(Fre)**

THERAPY

Diabetic pregnancy. Bradley R. **Br J Hosp Med** 1990 Dec; 44(6):386–90 (37 ref.)

Dietary manipulation as a primary treatment strategy for pregnancies complicated by diabetes. Jovanovic-Peterson L, et al. **J Am Coll Nutr** 1990 Aug;9(4):320–5 (38 ref.)

PREGNANCY, MULTIPLE

Definitive methods of zygosity determination in twins: relevance to problems in the biology of twinning. Machin GA. **Acta Genet Med Gemellol (Roma)** 1990;39(4):459–71 (80 ref.)

Multiple pregnancy: an international perspective. Sciarra JJ, et al. **Acta Genet Med Gemellol (Roma)** 1990;39(3):353–60 (17 ref.)

Assisted reproduction and its implications for paediatrics. Levene MI. **Arch Dis Child** 1991 Jan;66(1 Spec No):1–3 (18 ref.)

ABC of antenatal care. Multiple pregnancy. Chamberlain G. **BMJ** 1991 Jul 13;303(6794):111–5 (0 ref.)

Rest in hospital and twin pregnancy [comment] Hall MH. **Br J Obstet Gynaecol** 1990 Oct;97(10):869–71 (21 ref.)
Comment on: Br J Obstet Gynaecol 1990 Oct;97(10):872–7.
Comment on: Br J Obstet Gynaecol 1990 Oct;97(10):878–82.

Multiple pregnancy, operative delivery, anesthesia, and analgesia. Laube DW. **Curr Opin Obstet Gynecol** 1990 Feb; 2(1):40–4 (15 ref.)

The very tiny baby, multiple births, and other questions about preterm deliveries. Papiernik E. **Curr Opin Obstet Gynecol** 1991 Feb;3(1):4–7 (26 ref.)

Bilateral tubal pregnancy: a case report and review of the literature. Kauppi-Sahla M, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 Jul 1;40(2):145–7 (12 ref.)

Antenatal fetal death in twin pregnancies: a dangerous condition mainly for the surviving co-twin; a report of four cases. Van den Veyver IB, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 Jan 4;38(1):69–73 (31 ref.)

Delayed interval delivery in a triplet pregnancy; a case report. van Heusden AM, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 Jan 4;38(1):75–8 (10 ref.)

Malignant spinal cord tumors: a review and case presentation. Raney DJ. **J Neurosci Nurs** 1991 Feb;23(1):44–9 (7 ref.)

Prenatal diagnosis in multiple gestation: 20 years' experience with amniocentesis. Anderson RL, et al. **Prenat Diagn** 1991 Apr;11(4):263–70 (47 ref.)

Ultrasound of multiple gestations. Benson CB, et al. **Semin Roentgenol** 1991 Jan;26(1):50–62 (58 ref.)

[Techniques, results and indications of embryonic reductions in multiple pregnancies. Review of the literature] Boulot P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991; 20(3):309–16 (36 ref.) (Eng. Abstr.) **(Fre)**

[Embryo reduction techniques] Arvis P. **Rev Fr Gynecol Obstet** 1991 Feb 15;86(2):109–13 (12 ref.) (Eng. Abstr.) **(Fre)**

[Update on delayed births] Schaal JP, et al. **Rev Fr Gynecol Obstet** 1991 Apr;86(4):311–3 (12 ref.) (Eng. Abstr.) **(Fre)**

[The vanishing fetus] Goldman GA, et al. **Harefuah** 1991 Apr 15;120(8):474–6 (13 ref.) **(Heb)**

[Cesarean section in pre-term pregnancy] Abramchenko VV, et al. **Akush Ginekol (Mosk)** 1991 Apr;(4):3–5 (25 ref.) **(Rus)**

PHYSIOLOGY

[Multiple pregnancies. III. Therapeutic, psychologic and social aspects] Vaksmann S, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1990;19(6):667–76 (76 ref.) (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

[3, 4, or more. An epidemic of multiple pregnancies] Lindberg BS. **Lakartidningen** 1991 Jul 10;88(28–29):2435–7 (13 ref.) **(Swe)**

PREGNANCY OUTCOME

see related
EPIDEMIOLOGIC METHODS

New effects of active and passive smoking on reproduction? [editorial] Samet JM. **Am J Epidemiol** 1991 Feb 15; 133(4):348–50 (13 ref.)

Cytokines determining the success or failure of pregnancy. Clark DA, et al. **Ann N Y Acad Sci** 1991;626:524–36 (52 ref.)

Outcome of pregnancies resulting from assisted conception. Beral V, et al. **Br Med Bull** 1990 Jul;46(3):753–68 (22 ref.)

Cocaine and pregnancy: clinical and methodologic issues. Chasnoff IJ. **Clin Perinatol** 1991 Mar;18(1):113–23 (30 ref.)

Rubella in the United Kingdom. Miller E. **Epidemiol Infect** 1991 Aug;107(1):31–42 (26 ref.)

Antenatal fetal death in twin pregnancies: a dangerous condition mainly for the surviving co-twin; a report of four cases. Van den Veyver IB, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 Jan 4;38(1):69–73 (31 ref.)

Women's physical activity and pregnancy outcome: a longitudinal analysis from the Philippines. Barnes DL, et al. **Int J Epidemiol** 1991 Mar;20(1):162–72 (48 ref.)

Asthma during pregnancy [see comments] Greenberger PA. **J Asthma** 1990;27(6):341–7 (22 ref.) Comment in: J Asthma 1990;27(6):335–9.

Do electronic fetal heart rate monitors improve delivery outcomes? Kaiser G. **J Fla Med Assoc** 1991 May; 78(5):303–7 (8 ref.)

Birth setting for low-risk pregnancies. An analysis of the current literature. Albers LL, et al. **J Nurse Midwifery** 1991 Jul-Aug;36(4):215–20 (57 ref.)

Normal pregnancy outcome after early maternal exposure to gonadotropin releasing hormone agonist. A case report. Ghazi DM, et al. **J Reprod Med** 1991 Mar;36(3):173–4 (9 ref.)

Pregnancy and childbearing in a population with biologic valvular prostheses. Badduke BR, et al. **J Thorac Cardiovasc Surg** 1991 Aug;102(2):179–86 (25 ref.)

Unexplained elevations of maternal serum alpha-fetoprotein. Katz VL, et al. **Obstet Gynecol Surv** 1990 Nov; 45(11):719–26 (78 ref.)

Effects of low-frequency magnetic fields on embryonic development and pregnancy. Juutilainen J. **Scand J Work Environ Health** 1991 Jun;17(3):149–58 (77 ref.)

[The outcome of continuing pregnancies in patients with intrauterine devices. A retrospective study from the Maternity Unit of the University Hospital Center at Caen during the period 1985–1988] von Theobald P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1990;19(7):863–8 (25 ref.) (Eng. Abstr.) **(Fre)**

EPIDEMIOLOGY

VDTs: field levels, epidemiology, and laboratory studies. Kavet R, et al. **Health Phys** 1991 Jul;61(1):47–57 (55 ref.)

PREGNANCY, PROLONGED

Fetal assessment in postterm pregnancy. Boylan P, et al. **Curr Opin Obstet Gynecol** 1991 Feb;3(1):41–4 (11 ref.)

[Obstetrical management in prolonged pregnancy] Kiumiurdzhiev G, et al. **Akush Ginekol (Sofiia)** 1990; 29(3):67–70 (28 ref.) **(Bul)**

[Current opinion on the pathogenesis of prolonged pregnancy] Presl J. **Cesk Gynekol** 1990 Sep;55(8):610–6 (40 ref.) **(Cze)**

[Prolonged pregnancy and management: what is on time?] Nijhuis JG, et al. **Ned Tijdschr Geneeskd** 1990 Sep 15; 134(37):1786–9 (38 ref.) **(Dut)**

PREGNANCY PROTEINS

ANALYSIS

Placental proteins as tumor markers. Braunstein GD. **Immunol Ser** 1990;53:673–701 (210 ref.)

CHEMISTRY

A review of studies leading towards a three-dimensional understanding of the annexin family of proteins. Freemont PS. **Biochem Soc Trans** 1990 Dec;18(6):1098–101 (24 ref.)

PHYSIOLOGY

A role for interferons in early pregnancy. Roberts RM. **Bioessays** 1991 Mar;13(3):121–6 (41 ref.)

Interferons at the placental interface. Roberts RM, et al. **J Reprod Fertil Suppl** 1990;41:63–74 (49 ref.)

Trophoblast proteins and maternal recognition of pregnancy. Roberts RM, et al. **Oxf Rev Reprod Biol** 1990;12:147–80 (147 ref.)

SECRETION

Human endometrial protein secretion relative to implantation. Seppälä M, et al. **Baillieres Clin Obstet Gynaecol** 1991 Mar; 5(1):61–72 (76 ref.)

PREGNANCY, TEENAGE see **PREGNANCY IN ADOLESCENCE**

PREGNANCY TESTS

VETERINARY

Use of ultrasonography in reproductive management of sheep and goat herds. Haibel GK. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):597–613 (17 ref.)

PREGNANCY TOXEMIAS

BLOOD

[Atrial natriuretic peptide and pregnancy induced hypertension] Liu F, et al. **Chung Hua Fu Chan Ko Tsa Chih** 1990 Nov;25(6):373–5 (20 ref.) **(Chi)**

DRUG THERAPY

The use of calcium channel blockers in obstetrics and gynecology; a review. Fenakel K, et al. **Eur J Obstet Gynecol Reprod Biol** 1990 Dec;37(3):199–203 (41 ref.)

[Anti-prostaglandin agents in obstetrics] Gaucherand P, et al. **Rev Fr Gynecol Obstet** 1990 Oct;85(10):557–60 (5 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

[Fibronectin and pregnancy] Sebko TV, et al. **Vestn Akad Med Nauk SSSR** 1991;(2):46–50 (50 ref.) (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Prevention of toxemia of pregnancy in Ecuadorian Andean women: experience with dietary calcium supplementation. López-Jaramillo P, et al. **Bull Pan Am Health Organ** 1991; 25(2):109–17 (62 ref.)

PREGNANCY TRIMESTER, FIRST

PHYSIOLOGY

The endocrinoiogy of implantation and early pregnancy. Bonney RC, et al. **Baillieres Clin Endocrinol Metab** 1990 Jun;4(2):207–31 (141 ref.)

PREGNANCY, TUBAL

DRUG THERAPY

Methotrexate treatment of tubal pregnancy. Cannon L, et al. **Fertil Steril** 1991 Jun;55(6):1033–8 (44 ref.)

SURGERY

Bilateral tubal pregnancy: a case report and review of the literature. Kauppi-Sahla M, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 Jul 1;40(2):145–7 (12 ref.)

THERAPY

Nonsurgical management of tubal pregnancy. Necessity in view of the changing clinical appearance. Pansky M, et al. **Am J Obstet Gynecol** 1991 Mar;164(3):888–95 (57 ref.)

[Current trends in the therapy of extrauterine pregnancy] Husslein P. **Gynakologe** 1991 Feb;24(1):52–8 (49 ref.) **(Ger)**

PREGNANES

Clinical experience with the recently developed progestogens. Skouby SO, et al. **Int J Fertil** 1991;36 Suppl 1:32–7 (19 ref.)

PREGNANT MARE'S SERUM see **GONADOTROPINS, EQUINE**

PREHOSPITAL EMERGENCY CARE see **EMERGENCY MEDICAL SERVICES**

PREIMPLANTATION PHASE

Expression of human major histocompatibility antigens on germ cells and early preimplantation embryos. Desoye G, et al. **Lab Invest** 1991 Mar;64(3):306–12 (81 ref.)

PREJUDICE

Juvenile ageism: unrecognized prejudice and discrimination against the young. Westman JC.
Child Psychiatry Hum Dev 1991 Summer;21(4):237–56 (58 ref.)

The culture and history of psychiatric stigma in early modern and modern Western societies: a review of recent literature. Fabrega H Jr. **Compr Psychiatry** 1991 Mar–Apr; 32(2):97–119 (99 ref.)

A critical historical analysis of the medical construction of lesbianism. Stevens PE, et al. **Int J Health Serv** 1991; 21(2):291–307 (170 ref.)

HIV antibody status and employment discrimination: 1991 update [editorial] Nusbaum NJ.
J Acquir Immune Defic Syndr 1991;4(10):927–9 (12 ref.)

Is the therapeutic use of opioids adversely affected by prejudice and law? Zenz M, et al.
Recent Results Cancer Res 1991;121:43–50 (17 ref.)

PREKALLIKREIN

DEFICIENCY

Stroke in a young adult with Fletcher trait. Hess DC, et al. **South Med J** 1991 Apr;84(4):507–8 (13 ref.)

PRELEUKEMIA

DIAGNOSIS

[Myelodysplastic syndrome (preleukemia)] Wickramanayake PD, et al. **Med Klin** 1991 Mar 15;86(3):157–64 (92 ref.) **(Ger)**

ETIOLOGY

Leukemia and preleukemia in Fanconi anemia patients. A review of the literature and report of the International Fanconi Anemia Registry. Auerbach AD, et al.
Cancer Genet Cytogenet 1991 Jan;51(1):1–12 (92 ref.)

GENETICS

Leukaemia Research Fund annual guest lecture 1990. Genetics lesions in preleukaemia. Jacobs A. **Leukemia** 1991 Apr;5(4):277–82 (28 ref.)

PATHOLOGY

[Role of hemopoietic stem cells and progenitor cells in preleukemia] Dörmer P, et al. **Verh Dtsch Ges Pathol** 1990; 74:65–74 (30 ref.) (Eng. Abstr.) **(Ger)**

PREMATURE BEAT see **EXTRASYSTOLE**

PREMEDICATION

see related
PREANESTHETIC MEDICATION

Review article: premedication and intravenous sedation for upper gastrointestinal endoscopy. Bell GD.
Aliment Pharmacol Ther 1990 Apr;4(2):103–22 (159 ref.)

The use of antibiotics in the prevention of post-operative infection: a re-appraisal [see comments] Longman LP, et al. **Br Dent J** 1991 Apr 6;170(7):257–62 (55 ref.) Comment in: Br Dent J 1991 May 25;170(10):365.

Review of cefotaxime sodium for surgical prophylaxis. A model for the evolution toward single-dose or short-course cost-effective regimens [published erratum appears in Diagn Microbiol Infect Dis 1991 Mar–Apr;14(2):190] Jones RN. **Diagn Microbiol Infect Dis** 1990 Jul–Aug;13(4):317–27 (87 ref.)

Antimicrobial prophylaxis in coronary bypass surgery: a critical appraisal. Ariano RE, et al. **DICP** 1991 May; 25(5):478–84 (42 ref.)

Antibiotic prophylaxis in cesarean section. Glick M, et al. **DICP** 1990 Sep;24(9):841–6 (67 ref.)

Antibiotic prophylaxis in hysterectomy and induced abortion. A review of the evidence. Houang ET. **Drugs** 1991 Jan; 41(1):19–37 (102 ref.)

Role of quinolones in surgical prophylaxis. Mandell LA. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):368–77 (43 ref.)

Antibiotic prophylaxis for dental patients with joint prostheses? A decision analysis. Jacobson JJ, et al.
Int J Technol Assess Health Care 1990;6(4):569–87 (60 ref.)

Mitral valve prolapse: a review of the syndrome with emphasis on current antibiotic prophylaxis [published erratum appears in J Can Dent Assoc 1991 Jun;57(6):436] Sandor GK, et al. **J Can Dent Assoc** 1991 Apr;57(4):321–5 (24 ref.)

Appendicitis in children: current therapeutic recommendations. Neilson IR, et al. **J Pediatr Surg** 1990 Nov;25(11):1113–6 (16 ref.)

Pre-operative antimicrobial prophylaxis of infection. Willis AT. **Microbiol Sci** 1985 Jan;2(1):14, 19–21 (25 ref.)

Preoperative preventive antimicrobial therapy. Neibart E. **Mt Sinai J Med** 1991 Jan;58(1):19–27 (22 ref.)

Do prophylactic antibiotics prevent meningitis after basilar skull fracture? Rathore MH. **Pediatr Infect Dis J** 1991 Feb; 10(2):87–8 (12 ref.)

Prospective surveillance of intravenous amphotericin B use patterns. Grasela TH Jr, et al. **Pharmacotherapy** 1990; 10(5):341–8 (32 ref.)

Pharmacokinetic parameters and characteristics relevant to antimicrobial surgical prophylaxis. Bergan T.
Scand J Infect Dis Suppl 1990;70:31–5 (20 ref.)

Ecological impact of antimicrobial prophylaxis on intestinal microflora in patients undergoing colorectal surgery. Brismar B, et al. **Scand J Infect Dis Suppl** 1990;70:25–30 (13 ref.)

Antibiotic prophylaxis in orthopaedic surgery. Court-Brown CM. **Scand J Infect Dis Suppl** 1990;70:74–9 (27 ref.)

Antimicrobial prophylaxis in cardiovascular surgery. Freeman R. **Scand J Infect Dis Suppl** 1990;70:80–6 (14 ref.)

Antimicrobial prophylaxis in upper gastrointestinal, biliary, stomach and oesophageal surgery. Giercksky KE, et al. **Scand J Infect Dis Suppl** 1990;70:45–51 (25 ref.)

Antimicrobial prophylaxis in gynaecological and obstetric surgery. Gjønnaess H. **Scand J Infect Dis Suppl** 1990; 70:52–67 (123 ref.)

Antimicrobial prophylaxis in oral surgery. Heimdahl A, et al. **Scand J Infect Dis Suppl** 1990;70:91–101 (65 ref.)

Antimicrobial prophylaxis in elective colorectal surgery and appendicitis. Roland M. **Scand J Infect Dis Suppl** 1990; 70:36–44 (25 ref.)

Achromobacter xylosoxidans: a drug-resistant pathogen in newborns and immunocompromised patients. Giacoia GP. **South Med J** 1990 Nov;83(11):1312–4 (22 ref.)

Design and evaluation of clinical trials of antimicrobial agents in surgery. Dellinger EP. **Surg Gynecol Obstet** 1991;172 Suppl:65–72 (42 ref.)

Hormonal therapy before surgical treatment for uterine leiomyomas. Moghissi KS. **Surg Gynecol Obstet** 1991 Jun; 172(6):497–502 (30 ref.)

[Antibiotic prophylaxis for the prevention of infective endocarditis] Rudnicki C, et al. **Harefuah** 1990 Nov 1; 119(9):275–7 (24 ref.) **(Heb)**

[Infections in obstetric-gynecologic surgery: chemo-antibiotic prophylaxis and therapy. A bibliographic review] Franchi M, et al.
Ann Ostet Ginecol Med Perinat 1990 Sep–Oct; 111(5):296–320 (185 ref.) (Eng. Abstr.) **(Ita)**

[Clinical experience with piperacillin in the prophylaxis of post-operative infections] Santi F. **Minerva Med** 1990 Oct; 81(10):701–5 (15 ref.) (Eng. Abstr.) **(Ita)**

[Preoperative or neoadjuvant chemotherapy. Our experience with 37 patients] Escudero Barrilero A, et al.
Arch Esp Urol 1991 May;44(4):379–92 (21 ref.) **(Spa)**

ECONOMICS

Patient costs for prophylaxis and treatment of obstetric and gynecologic surgical infections. Stein GE.
Am J Obstet Gynecol 1991 May;164(5 Pt 2):1377–80 (29 ref.)

PREMENSTRUAL SYNDROME

Premenstrual syndrome, dysmenorrhea, and menorrhagia. Vaughn BM, et al. **Curr Opin Obstet Gynecol** 1989 Dec; 1(2):212–5 (9 ref.)

Premenstrual syndromes. Fitz-Gerald M.
J La State Med Soc 1990 Oct;142(10):37–9 (15 ref.)

Premenstrual syndrome: an update for the clinician. Chihal HJ. **Obstet Gynecol Clin North Am** 1990 Jun;17(2):457–79 (65 ref.)

Premenstrual syndrome. Severino SK, et al.
Obstet Gynecol Clin North Am 1990 Dec;17(4):889–903 (65 ref.)

COMPLICATIONS

Depression, chronic fatigue, and the premenstrual syndrome. Gonsalves L, et al. **Prim Care** 1991 Jun;18(2):369–80 (40 ref.)

DIAGNOSIS

Premenstrual syndrome as a criminal defense. Lewis JW. **Arch Sex Behav** 1990 Oct;19(5):425–41 (80 ref.)

PHYSIOPATHOLOGY

The premenstrual syndrome: a psychoneuroendocrine perspective. Dinan TG, et al.
Baillieres Clin Endocrinol Metab 1991 Mar;5(1):143–65 (121 ref.)

The premenstrual syndrome. Watson NR, et al.
Br J Hosp Med 1990 Oct;44(4):286–92 (50 ref.)

PSYCHOLOGY

Women, violent crime and the menstrual cycle: a review [see comments] Vanezis P. **Med Sci Law** 1991 Jan;31(1):11–4 (19 ref.) Comment in: Med Sci Law 1991 Apr;31(2):183.

THERAPY

Premenstrual syndrome. Current concepts in diagnosis and management. Hsia LS, et al. **J Nurse Midwifery** 1990 Nov-Dec;35(6):351–7 (36 ref.)

The premenstrual syndrome and its treatment. Dhar V, et al. **J Steroid Biochem Mol Biol** 1991 Aug;39(2):275–81 (62 ref.)

The treatment of late luteal phase dysphoric disorder. Steinberg S. **Life Sci** 1991;49(11):767–802 (198 ref.)

PREMOLAR see **BICUSPID**

PRENATAL CARE

Multiple pregnancy: an international perspective. Sciarra JJ, et al. **Acta Genet Med Gemellol (Roma)** 1990;39(3):353–60 (17 ref.)

ABC of antenatal care. Raised blood pressure in pregnancy. Chamberlain G. **BMJ** 1991 Jun 15;302(6790):1454–8 (0 ref.)

ABC of antenatal care. Normal antenatal management [see comments] Chamberlain G. **BMJ** 1991 Mar 30; 302(6779):774–9 (0 ref.) Comment in: BMJ 1991 Jun 8;302(6789):1400.

ABC of antenatal care. Checking for fetal wellbeing--I. Chamberlain G. **BMJ** 1991 Apr 6;302(6780):837–9 (0 ref.)

ABC of antenatal care. Checking for fetal wellbeing--II. Chamberlain G. **BMJ** 1991 Apr 13;302(6781):900–2 (0 ref.)

Prevention of childhood allergy by dietary manipulation. Businco L, et al. **Clin Exp Allergy** 1990 Sep;20 Suppl 3:9–14 (32 ref.)

Human immunodeficiency virus education and screening of prenatal patients. Tuomala R.
Obstet Gynecol Clin North Am 1990 Sep;17(3):571–83 (50 ref.)

Perinatal care and learning disorders: a community view. Culpepper L, et al. **R I Med J** 1991 Jun;74(6):265–74 (41 ref.)

[Prolonged pregnancy and management: what is on time?] Nijhuis JG, et al. **Ned Tijdschr Geneeskd** 1990 Sep 15; 134(37):1786–9 (38 ref.) **(Dut)**

[Screening for toxoplasmosis and rubella in prenatal care?] Hengst P. **Zentralbl Gynakol** 1990;112(15):941–4 (7 ref.) **(Ger)**

METHODS

ABC of antenatal care. Multiple pregnancy. Chamberlain G. **BMJ** 1991 Jul 13;303(6794):111–5 (0 ref.)

Interventional procedures in obstetrics. Copel JA, et al.
Semin Roentgenol 1991 Jan;26(1):87–94 (57 ref.)

ORGANIZATION & ADMINISTRATION

ABC of antenatal care. Organisation of antenatal care [see comments] Chamberlain G. **BMJ** 1991 Mar 16; 302(6777):647–50 (0 ref.) Comment in: BMJ 1991 Apr 13;302(6781):910–1.

[Principles of therapeutic and preventive services for young pregnant women] Iakovleva EB. **Sov Med** 1991;(3):46–51 (91 ref.) **(Rus)**

PRENATAL DIAGNOSIS

see related
GENETIC COUNSELING

Prenatal genetic testing and screening: constructing needs and reinforcing inequities. Lippman A. **Am J Law Med** 1991;17(1-2):15–50 (164 ref.)

The anatomic basis of maternal serum screening. Bendon RW. **Ann Clin Lab Sci** 1991 Jan–Feb;21(1):36–9 (7 ref.)

Antenatal diagnosis. Summary of results. Alter BP.
Ann N Y Acad Sci 1990;612:237–50 (17 ref.)

Antenatal diagnosis of beta-thalassemia in Sardinia. Cao A, et al. **Ann N Y Acad Sci** 1990;612:215–25 (33 ref.)

Gene defects in beta-thalassemia and their prenatal diagnosis. Kazazian HH Jr, et al. **Ann N Y Acad Sci** 1990;612:1–14 (55 ref.)

Prenatal diagnosis of thalassemia and of the sickle cell syndromes in Greece. Loukopoulos D, et al.
Ann N Y Acad Sci 1990;612:226–36 (12 ref.)

Prenatal diagnosis: the medical genetics perspective. Ethics and Public Policy Committee, Canadian College of Medical Geneticists. **Can Med Assoc J** 1991 May 1;144(9):1129–32 (30 ref.)

Reproductive planning after genetic counselling: a perspective from the last decade. Frets PG, et al.
Clin Genet 1990 Oct;38(4):295–306 (90 ref.)

Duchenne and Becker muscular dystrophies: genetics, prenatal diagnosis, and future prospects. Bieber FR, et al. **Clin Perinatol** 1990 Dec;17(4):845–65 (53 ref.)

Clinical screening for collagen defects in connective tissue diseases. Cohn DH, et al. **Clin Perinatol** 1990 Dec; 17(4):793–809 (107 ref.)

Prenatal diagnosis of hemoglobinopathies. Fischel-Ghodsian N. **Clin Perinatol** 1990 Dec;17(4):811–28 (161 ref.)

Prenatal genetic counseling. Garber AP, et al.
Clin Perinatol 1990 Dec;17(4):749–59 (23 ref.)

Prenatal diagnosis of metabolic disease. Iafolla AK, et al. **Clin Perinatol** 1990 Dec;17(4):761–77 (92 ref.)

Genetics of common diseases of adulthood. Implications for prenatal counseling and diagnosis. Lubin MB, et al.
Clin Perinatol 1990 Dec;17(4):889–910 (63 ref.)

Prenatal diagnosis of the neurofibromatoses. Pulst SM.
Clin Perinatol 1990 Dec;17(4):829–44 (31 ref.)

Early diagnostic procedures and antepartum monitoring. Ludmir J, et al. **Curr Opin Obstet Gynecol** 1989 Dec; 1(2):124–30 (35 ref.)

Prenatal diagnosis of inherited hemoglobinopathies. Cao A,

et al. **Haematologica** 1990 Sep–Oct;75 Suppl 5:169–77 (18 ref.)
Diagnostic approach to stillbirths. Mehta L, et al. **Indian J Pediatr** 1990 Sep–Oct;57(5):601–5 (18 ref.)
Chorionic villus sampling as the primary diagnostic tool in prenatal diagnosis. Should it replace genetic amniocentesis? Doran TA. **J Reprod Med** 1990 Oct;35(10):935–40 (27 ref.)
Human parvovirus B19 infections in pregnancy. Török TJ. **Pediatr Infect Dis J** 1990 Oct;9(10):772–6 (38 ref.)
Prenatal diagnosis and management of bilateral hydronephrosis. Crombleholme TM, et al. **Pediatr Nephrol** 1988 Jul;2(3):334–42 (77 ref.)
The application of molecular biology to the prenatal diagnosis of renal disease. Flinter FA, et al. **Pediatr Nephrol** 1988 Jul;2(3):343–50 (37 ref.)
Prenatal diagnosis of urinary tract malformation. Gray DL, et al. **Pediatr Nephrol** 1988 Jul;2(3):326–33 (48 ref.)
Prenatal diagnosis of congenital myasthenia with arthrogryposis in a myasthenic mother. Stoll C, et al. **Prenat Diagn** 1991 Jan;11(1):17–22 (12 ref.)
Duplication of the long arm of chromosome 13 secondary to a recombination in a maternal intrachromosomal insertion (shift). Vekemans M, et al. **Prenat Diagn** 1990 Dec;10(12):787–94 (22 ref.)
Fetoscopy and fetal skin biopsy for prenatal diagnosis of genetic skin disorders. Eady RA. **Semin Dermatol** 1988 Mar;7(1):2–8 (30 ref.)
Prenatal diagnosis using fetal cells in the maternal circulation. Chueh J, et al. **Semin Perinatol** 1990 Dec;14(6):471–82 (28 ref.)
Prenatal screening for open neural tube defects, Down's syndrome, and other major fetal disorders. Haddow JE. **Semin Perinatol** 1990 Dec;14(6):488–503 (59 ref.)
Sonographic screening for anatomic defects. Holzgreve W. **Semin Perinatol** 1990 Dec;14(6):504–13 (59 ref.)
Prenatal diagnosis of beta-thalassemia. Kazazian HH Jr. **Semin Perinatol** 1991 Jun;15(3 Suppl 2):15–24 (93 ref.)
[Medical aspects of diagnosis before implantation] Boué A. **Reprod Nutr Dev** 1990;Suppl 1:133s–137s (6 ref.) (Eng. Abstr.) **(Fre)**
[Clinical approach to prenatal diagnosis of chromosome abnormalities] Herlicoviez M. **Reprod Nutr Dev** 1990;Suppl 1:139s–145s (19 ref.) (Eng. Abstr.) **(Fre)**
[Hepatitis B virus infection and pregnancy: diagnostic screening and immune prevention] Gerken G, et al. **Gynakologe** 1991 Jun;24(3):125–8 (20 ref.) **(Ger)**
[Principles of DNA diagnosis exemplified by cystic fibrosis] Peinemann F, et al. **Monatsschr Kinderheilkd** 1991 Feb; 139(2):83–8 (20 ref.) (Eng. Abstr.) **(Ger)**
[Genetic counseling in prenatal diagnosis of cystic fibrosis] Wolff G, et al. **Monatsschr Kinderheilkd** 1991 May; 139(5):275–81 (21 ref.) (Eng. Abstr.) **(Ger)**
[Significance of prenatal diagnosis of fetal choroid plexus cysts [editorial]] Lurie S, et al. **Harefuah** 1990 Dec 2; 119(11):408–9 (21 ref.) **(Heb)**
[Lysosomal storage diseases. Early prenatal diagnosis (review of the literature)] Petushkova NA. **Lab Delo** 1991;(3):6–13 (45 ref.) **(Rus)**
[Ways of reducing perinatal morbidity and mortality due to hereditary pathology] Kulakov VI, et al. **Vestn Akad Med Nauk SSSR** 1991;(5):8–11 (35 ref.) (Eng. Abstr.) **(Rus)**

METHODS

The diagnosis and treatment of the nonimmune hydrops fetalis. Pál A, et al. **Acta Paediatr Hung** 1991;31(2):169–86 (39 ref.)
Techniques for antepartum fetal surveillance. Hueston WJ. **Am Fam Physician** 1991 Sep;44(3):893–904 (36 ref.)
Prenatal diagnosis of enzyme defects--an update. Winchester B, et al. **Arch Dis Child** 1991 Apr;66(4 Spec No):451–4 (44 ref.)
Analysis of probability and measurement of values. Thornton JG. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):867–84 (17 ref.)
Fetal diagnosis and therapy: an update. Golbus MS. **Birth Defects** 1990;26(3):19–23 (0 ref.)
ABC of antenatal care. Detection and management of congenital abnormalities--II. Chamberlain G. **BMJ** 1991 Apr 27;302(6783):1013–6 (0 ref.)
ABC of antenatal care. Detection and management of congenital abnormalities--I [see comments] Chamberlain G. **BMJ** 1991 Apr 20;302(6782):949–50 (0 ref.) Comment in: BMJ 1991 May 18;302(6786):1209.
ABC of antenatal care. Checking for fetal wellbeing--I. Chamberlain G. **BMJ** 1991 Apr 6;302(6780):837–9 (0 ref.)
Trisomy 18 and 18p- features in a case of isochromosome 18q [46,XY,i(18q)]: prenatal diagnosis and autopsy report. Wurster-Hill DH, et al. **Clin Genet** 1991 Feb;39(2):142–8 (19 ref.)
Prenatal diagnosis of cystic fibrosis. Christian CL. **Clin Perinatol** 1990 Dec;17(4):779–91 (41 ref.)
Fetal blood sampling. Craparo FJ, et al. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):265–7 (14 ref.)
Biochemical screening. Cuckle HS, et al. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):246–52 (23 ref.)
DNA prenatal diagnosis. Gilbert F, et al. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):226–35 (8 ref.)
Epidemiology, antenatal screening, nutrition, and therapeutics in pregnancy. Witter FR. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):36–9 (19 ref.)
Prenatal diagnosis and treatment of adrenogenital syndrome (steroid 21-hydroxylase deficiency). New MI. **Dev Pharmacol Ther** 1990;15(3–4):200–10 (56 ref.)
Methods of detection of single base substitutions in clinical genetic practice. Forrest S, et al. **Mol Biol Med** 1990 Oct; 7(5):451–9 (50 ref.)
Access to the fetus. Daffos F. **Nouv Rev Fr Hematol** 1990; 32(6):431–3 (6 ref.)
Preventing cystic fibrosis in the RSA. Hitzeroth HW, et al. **S Afr Med J** 1991 Jul 20;80(2):92–8 (31 ref.)
Basic principles of recombinant DNA use for prenatal diagnosis. Goldberg JD. **Semin Perinatol** 1990 Dec; 14(6):439–45 (16 ref.)
Prenatal diagnosis of hematologic disorders. Seashore MR. **Semin Perinatol** 1990 Oct;14(5):343–5 (14 ref.)
Percutaneous umbilical blood sampling, fetal skin sampling, and fetal liver biopsy. Shulman LP, et al. **Semin Perinatol** 1990 Dec;14(6):456–64 (52 ref.)
Recombinant DNA methods in hemophilia A: carrier detection and prenatal diagnosis. Sadler JE. **Semin Thromb Hemost** 1990 Oct;16(4):341–7 (50 ref.)
[Prenatal diagnosis of trisomy 21] Massé J, et al. **Ann Biol Clin (Paris)** 1990;48(8):536–40 (72 ref.) (Eng. Abstr.) **(Fre)**
[Disorders of fetal hemostasis] Forestier PF. **Arch Gynecol Obstet** 1990;247 Suppl:S6–14 (11 ref.) **(Fre)**
[Modern diagnosis and therapy of fetomaternal blood group incompatibility] Vetter K, et al. **Arch Gynecol Obstet** 1990; 247 Suppl:S25–35 (52 ref.) **(Ger)**
[Fetal anemia] Brusis E, et al. **Gynakologe** 1990 Oct; 23(5):273–8 (33 ref.) **(Ger)**
[Genetic diagnosis in preimplantation embryos] Seidman DS, et al. **Harefuah** 1990 Nov 1;119(9):271–3 (25 ref.) **(Heb)**
[Significance of transvaginal ultrasonic examination in the first pregnancy trimester] Hernádi L, et al. **Orv Hetil** 1990 Dec 9;131(49):2687–91 (21 ref.) (Eng. Abstr.) **(Hun)**

PSYCHOLOGY

Prenatal screening and diagnosis: some psychological and social issues. Green JM. **Br J Obstet Gynaecol** 1990 Dec; 97(12):1074–6 (24 ref.)

PRENATAL DIAGNOSIS, ULTRASONIC see **ULTRASONOGRAPHY, PRENATAL**

PRENATAL EXPOSURE DELAYED EFFECTS

Can prenatal irradiation protect the embryo from tumor development? Einhorn L. **Acta Oncol** 1991;30(3):291–9 (100 ref.)
Prenatal marijuana use: epidemiology, methodologic issues, and infant outcome. Day NL, et al. **Clin Perinatol** 1991 Mar;18(1):77–91 (29 ref.)
Detriment in humans after irradiation in utero. Mole RH. **Int J Radiat Biol** 1991 Sep;60(3):561–4 (73 ref.)
Qualitative and quantitative comparability of human and animal developmental neurotoxicants: a workshop summary. Rees DC, et al. **Neurotoxicology** 1990 Summer; 11(2):257–69 (24 ref.)
The prenatal origins of adult hypertension. **Nutr Rev** 1991 May;49(5):160–1 (11 ref.)
Immediate and long-term renal effects of fetal exposure to gentamicin. Gilbert T, et al. **Pediatr Nephrol** 1990 Jul; 4(4):445–50 (46 ref.)
Prenatal and perinatal factors in the etiology of autism. Nelson KB. **Pediatrics** 1991 May;87(5 Pt 2):761–6 (37 ref.)
The consequences of maternal substance abuse for the child exposed in utero. McCance-Katz EF. **Psychosomatics** 1991 Summer;32(3):268–74 (36 ref.)
Clear cell adenocarcinoma of the vagina and cervix secondary to intrauterine exposure to diethylstilbestrol. Herbst AL, et al. **Semin Surg Oncol** 1990;6(6):343–6 (17 ref.)
A critical review of the developmental toxicity and teratogenicity of 2,3,7,8-tetrachlorodibenzo-p-dioxin: recent advances toward understanding the mechanism. Couture LA, et al. **Teratology** 1990 Dec;42(6):619–27 (72 ref.)
[Infants born to kidney transplant recipients] Picaud JC, et al. **Arch Fr Pediatr** 1991 May;48(5):323–7 (28 ref.) (Eng. Abstr.) **(Fre)**
[Indomethacin and a tocolytic agent: fetal and neonatal outcome] Shamir R, et al. **Harefuah** 1990 Dec 2; 119(11):387–90 (38 ref.) **(Heb)**
[Treatment of malignant neoplasms in pregnancy. II] Robak T, et al. **Przegl Lek** 1990;47(8):603–6 (23 ref.) **(Pol)**
[Hygienic significance of late effects of chemical substances and their standardization (review of the literature)] Riazanova RA. **Gig Sanit** 1990 Nov;(11):72–5 (34 ref.) **(Rus)**
[AIDS in children (clinico-morphological aspects)] Iakovtsova AF, et al. **Pediatriia** 1991;(2):100–4 (46 ref.) **(Rus)**
[Guilty before being born] Bayés García R, et al. **An Esp Pediatr** 1990 Oct;33 Suppl 41:29–36 (58 ref.) **(Spa)**
[Effects of drug consumption on the newborn] Gallart Catalá A. **An Esp Pediatr** 1990 Nov;33 Suppl 43:234–41 (63 ref.) **(Spa)**

PRENIDATION PHASE see **PREIMPLANTATION PHASE**

PREOPERATIVE CARE

Pharmacist's corner. Part I: Antiarrhythmic agents use in the surgical patient. Donnelly AJ. **AORN J** 1991 May; 53(5):1261–6 (8 ref.)
Immunotoxins for ex vivo bone marrow purging in human bone marrow transplantation. Vallera DA. **Cancer Treat Res** 1988;37:515–35 (82 ref.)
Preoperative examination and criteria for office-based surgery. Dailey JM. **Clin Podiatr Med Surg** 1991 Jan; 8(1):203–19 (24 ref.)
Evolving concepts in the pre-operative management and surgical treatment of craniosynostosis. Francel PC, et al. **Indian J Pediatr** 1991 Mar-Apr;58(2):183–90 (18 ref.)
Preoperative laboratory testing for the oral and maxillofacial surgery patient. Wagner JD, et al. **J Oral Maxillofac Surg** 1991 Feb;49(2):177–82 (72 ref.)
Perioperative nutritional support. Buzby GP. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):197S–199S (7 ref.)
Perioperative nutritional support: immunologic defects. Christou N. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct; 14(5 Suppl):186S–192S (116 ref.)
The effect of pre-anaesthetic fasting on blood glucose level in children undergoing surgery. Shah M, et al. **JPMA** 1990 Oct;40(10):243–5 (10 ref.)
Preoperative assessment and preparation--an anesthesiologist's view. Morgan M. **Middle East J Anesthesiol** 1990 Oct;10(6):567–78 (17 ref.)
Perioperative care of the pediatric patient. Coran AG. **Surg Annu** 1991;23 Pt 1:31–55 (82 ref.)

METHODS

General principles of perioperative transplant care. Gruber SA, et al. **Crit Care Clin** 1990 Oct;6(4):893–8 (3 ref.)
Diagnosis and management of the infected total joint arthroplasty. Cuckler JM, et al. **Orthop Clin North Am** 1991 Jul;22(3):523–30 (37 ref.)
Preoperative staging of gastrointestinal tumors by endosonography. Ziegler K, et al. **Surg Endosc** 1990; 4(3):154–60 (65 ref.)

STANDARDS

Should surgical patients be screened for human immunodeficiency virus infection? Shanson DC. **J Hosp Infect** 1991 Jun;18 Suppl A:170–6 (9 ref.)
Quality assurance of pre-operative assessment--a review of quality assurance activities related to pre-operative assessment in nine hospitals in The Netherlands. Klazinga NS, et al. **Qual Assur Health Care** 1989;1(1):45–53 (37 ref.)

PREOPTIC AREA

Current progress in studies of GnRH cell-containing brain grafts in hypogonadal mice. Gibson MJ, et al. **Prog Brain Res** 1990;82:169–78 (33 ref.)

PHYSIOLOGY

[Current theories on the role of the central nervous system in temperature regulation in the human body] Akimov GA, et al. **Sov Med** 1990;(10):43–6 (46 ref.) **(Rus)**

PREPAID DENTAL CARE see **INSURANCE, DENTAL**

PREPAID GROUP HEALTH ORGANIZATIONS see **HEALTH MAINTENANCE ORGANIZATIONS**

PREPROSTHETIC ORAL SURGERY see **SURGERY, ORAL, PREPROSTHETIC**

PRESBYCUSIS

DIAGNOSIS

Audiological findings in elderly patients with chronic renal failure. Antonelli AR, et al. **Acta Otolaryngol Suppl (Stockh)** 1990;476:54–68 (55 ref.)
Screening for hearing impairment in the elderly: rationale and strategy. Mulrow CD, et al. **J Gen Intern Med** 1991 May-Jun;6(3):249–58 (126 ref.)
[Presbyacusis] Niwa H, et al. **Nippon Ronen Igakkai Zasshi** 1990 Sep;27(5):545–9 (3 ref.) (Eng. Abstr.) **(Jpn)**

EPIDEMIOLOGY

The age function of hearing--aspects of the epidemiology. Hinchcliffe R. **Acta Otolaryngol Suppl (Stockh)** 1990; 476:7–11 (20 ref.)

ETIOLOGY

[Age-related inner ear injuries and presbycusis] Pu G, et al. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1988;23(6):374–5 (12 ref.) **(Chi)**

PHYSIOPATHOLOGY

[Analysis of cochlear manifestations of presbycusis by acoustic oto-emissions. Review of the literature] Bonfils

P, et al. **Rev Laryngol Otol Rhinol (Bord)** 1989;110(1):63–5 (12 ref.) (Eng. Abstr.) **(Fre)**

PRESBYOPIA

PHYSIOPATHOLOGY

Presbyopia and the dentist: the effect of age on clinical vision [published erratum appears in Int Dent J 1991 Feb;41(1):54] Burton JF, et al. **Int Dent J** 1990 Oct;40(5):303–12 (19 ref.)

PRESBYTIS see **CERCOPITHECIDAE**

PRESCRIPTION INSURANCE see **INSURANCE, PHARMACEUTICAL SERVICES**

PRESCRIPTIONS, DRUG

Implications of the reclassification of drugs from prescription-only to over-the-counter status. Gossel TA. **Clin Ther** 1991 Mar–Apr;13(2):200–15; discussion 199 (45 ref.)

A review of drug prescribing in children with end-stage renal failure. Trompeter RS. **Pediatr Nephrol** 1987 Apr; 1(2):183–94 (10 ref.)

Pharmacists and GP prescribing. Kendall H, et al. **Practitioner** 1990 Sep;234(1494):855–6 (3 ref.)

Drug use in pregnancy and lactation. Ives TJ, et al. **Prim Care** 1990 Sep;17(3):623–45 (90 ref.)

[Advances in the pharmacological researches on the commonly-used prescriptions in Chinese traditional medicine during past 5 years] Deng W. **Chung Kuo Chung Yao Tsa Chih** 1991 Feb;16(2):118–20, inside back cover (0 ref.) **(Chi)**

[Review of experimental researches on the compatibility of drugs in a prescription] Fu H. **Chung Kuo Chung Yao Tsa Chih** 1991 Feb;16(2):114–7 (25 ref.) **(Chi)**

[Research on the improvement of dosage forms of prescriptions in Chinese traditional medicine] Yu G. **Chung Kuo Chung Yao Tsa Chih** 1991 Mar;16(3):182–6 (30 ref.) **(Chi)**

[Generic prescription] Olesgaard P. **Ugeskr Laeger** 1991 Jul 29;153(31):2158–60 (15 ref.) (Eng. Abstr.) **(Dan)**

[List of abuse substances most requested by drug addicts, particularly in reference to the Alexandria province. Notes for the general practitioner] Torregiani F, et al. **Minerva Med** 1990 Jul–Aug;81(7–8 Suppl):155–9 (6 ref.) (Eng. Abstr.) **(Ita)**

[Surveillance of adverse reactions of drugs and monitoring of drug prescriptions as routine in hospital activities] Maistrello I, et al. **Recenti Prog Med** 1991 Apr; 82(4):197–201 (16 ref.) (Eng. Abstr.) **(Ita)**

[Iatrogenic diseases induced by drugs] Moreno Martín J. **An Esp Pediatr** 1990 Oct;33 Suppl 41:17–24 (71 ref.) **(Spa)**

ECONOMICS

A prescription for high drug prices [see comments] Pryor D. **Health Aff (Millwood)** 1990 Fall;9(3):101–9 (21 ref.) Comment in: Health Aff (Millwood) 1990 Winter;9(4):222.

Trends in retail prescription expenditures. Schondelmeyer SW, et al. **Health Aff (Millwood)** 1990 Fall;9(3):131–45 (26 ref.)

STATISTICS & NUMERICAL DATA

Abuse, addiction, tolerance, and dependence to benzodiazepines in medical and nonmedical populations. Miller NS, et al. **Am J Drug Alcohol Abuse** 1991;17(1):27–37 (50 ref.)

PRESENTATION, BREECH see **BREECH PRESENTATION**

PRESENTATION, FETAL see **LABOR PRESENTATION**

PRESERVATION, BIOLOGICAL

Liver preservation: the past and the future. Blankensteijn JD, et al. **Hepatology** 1991 Jun;13(6):1235–50 (153 ref.)

METHODS

[Storage of granulocytes] Verstraeten L, et al. **Ann Biol Clin (Paris)** 1991;49(3):161–5 (44 ref.) (Eng. Abstr.) **(Fre)**

PRESERVATION, FOOD see **FOOD PRESERVATION**

PRESERVATIVES, PHARMACEUTICAL

ADVERSE EFFECTS

[Contact hypersensitivity to Kathon CG. Apropos of 35 cases among 977 tested subjects] Ledieu G, et al. **Ann Dermatol Venereol** 1991;118(3):181–9 (41 ref.) (Eng. Abstr.) **(Fre)**

[Contact allergies to recently introduced preservatives] Senff H, et al. **Hautarzt** 1991 Apr;42(4):215–9 (47 ref.) (Eng. Abstr.) **(Ger)**

PRESSORECEPTORS

PHYSIOLOGY

Cardiovascular reflexes from cardiac sensory receptors. Ludbrook J. **Aust N Z J Med** 1990 Aug;20(4):597–606 (82 ref.)

Arterial baroreceptor reflex: its central and peripheral neural mechanisms. Kumada M, et al. **Prog Neurobiol** 1990; 35(5):331–61 (215 ref.)

PRESSURE

see related
ATMOSPHERIC PRESSURE
BLOOD PRESSURE
MANOMETRY

[Antishock trousers in the prevention of air embolism] Meyer P, et al. **Ann Fr Anesth Reanim** 1990;9(6):475–9 (23 ref.) (Eng. Abstr.) **(Fre)**

PREVENTION, PRIMARY see **PRIMARY PREVENTION**

PREVENTIVE DENTISTRY

see related
HEALTH EDUCATION, DENTAL

PREVENTIVE HEALTH SERVICES

see related
IMMUNIZATION

The health status of Indian children: problems and prevention in early life. May PA. **Am Indian Alsk Native Ment Health Res** 1988;1 MONO 1:244–83 discussion 284–90 (270 ref.)

Assessing the clinical effectiveness of preventive maneuvers: analytic principles and systematic methods in reviewing evidence and developing clinical practice recommendations. A report by the Canadian Task Force on the Periodic Health Examination. Woolf SH, et al. **J Clin Epidemiol** 1990;43(9):891–905 (90 ref.)

Diffusion of the U.S. Preventive Services Task Force recommendations into practice. Lawrence RS. **J Gen Intern Med** 1990 Sep–Oct;5(5 Suppl):S99–103 (30 ref.)

ECONOMICS

Paying for preventive care: moving the debate forward. Davis K, et al. **Am J Prev Med** 1990;6(4 Suppl):7–30 (48 ref.)

Program optimization: a semi-quantitative approach. Harber P, et al. **Occup Med** 1991 Jan–Mar;6(1):145–51 (2 ref.)

ORGANIZATION & ADMINISTRATION

Community-based secondary prevention with the pregnant adolescent [see comments] Auterman ME. **Birth Defects** 1991;27(1):206–27 (85 ref.) Comment in: Birth Defects 1991;27(1):228–34.

Family-focused secondary prevention with the pregnant adolescent and adolescent father [see comments] Wilkerson NN. **Birth Defects** 1991;27(1):114–30 (70 ref.) Comment in: Birth Defects 1991;27(1):131–6.

Pulmonary prevention: programmatic characterization. Harber P. **Occup Med** 1991 Jan–Mar;6(1):133–43 (12 ref.)

STANDARDS

Do our patients receive maximum benefit from preventive care? A North American perspective. Rosser WW, et al. **Br J Gen Pract** 1990 Oct;40(339):426–9 (63 ref.)

Operational evaluation of the efficacy of vaccines by the case control method. Diwan VK. **Int J Technol Assess Health Care** 1991;7(1):59–62 (27 ref.)

TRENDS

[Preventive health care for children in Sweden] Kornfält R. **Arztl Jugendkd** 1990;81(4):294–8 (1 ref.) (Eng. Abstr.) **(Ger)**

PREVENTIVE MEDICINE

Antioxidant nutrients and disease prevention: an overview. Diplock AT. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):189S–193S (32 ref.)

The role of preventive medicine in developing countries. Dominicus DA, et al. **Keio J Med** 1990 Dec;39(4):265–9 (47 ref.)

Exercise as prevention: do the health benefits derive in part from lower iron levels? Lauffer RB. **Med Hypotheses** 1991 Jun;35(2):103–7 (35 ref.)

[Periodic medical examination. Update 1990: 3. Interventions looking to prevent cancer of the lung using other methods than smoking cessation. The Canadian Study Group for Periodic Medical Examination] **Union Med Can** 1991 Mar–Apr;120(2):61–3 (45 ref.) **(Fre)**

[Periodic medical examination. Update 1990. Early diagnosis of depression and the prevention of suicide. The Canadian Study Group on Periodic Medical Examination] **Union Med Can** 1991 Jan–Feb;120(1):17–22, 16 (73 ref.) **(Fre)**

METHODS

Principles behind practice. 8. Screening as a strategy for disease control. Mitchell H, et al. **Med J Aust** 1991 Aug 19;155(4):237–9, 242 (11 ref.)

ORGANIZATION & ADMINISTRATION

Preventive medicine in primary care. Moving from theory to practice. Stange KC, et al. **Postgrad Med** 1991 Sep 1; 90(3):125–8 (36 ref.)

STANDARDS

Physician compliance: improving skills in preventive medicine practices. Pommerenke FA, et al. **Am Fam Physician** 1991 Feb;43(2):560–8 (31 ref.)

Preventive care guidelines: 1991 [published erratum appears in Ann Intern Med 1991 Aug 15;115(4):332] Hayward RS, et al. **Ann Intern Med** 1991 May 1;114(9):758–83 (142 ref.)

PRIAPISM

[Priapism] Borrelli M. **AMB Rev Assoc Med Bras** 1990 Jan–Mar;36(1):5–6 (11 ref.) **(Por)**

CHEMICALLY INDUCED

Psychotropic medication and priapism: a comprehensive review. Thompson JW Jr, et al. **J Clin Psychiatry** 1990 Oct;51(10):430–3 (50 ref.)

ETIOLOGY

Priapism as a complication of sickle cell disease. Hamre MR, et al. **J Urol** 1991 Jan;145(1):1–5 (77 ref.)

PRILOCAINE

[Lidocaine-prilocaine ointment; a welcome addition in local anesthesia] de Waard-van der Spek FB, et al. **Ned Tijdschr Geneeskd** 1991 Jul 27;135(30):1343–5 (20 ref.) **(Dut)**

PRIMARY CARE PHYSICIANS see **PHYSICIANS, FAMILY**

PRIMARY HEALTH CARE

Clinical surveillance and management of occupational asthma. Tertiary prevention by the primary practitioner. Cullen MR. **Chest** 1990 Nov;98(5 Suppl):196S–201S (14 ref.)

Role of the physician in environmental and occupational asthma. Rosenstock L. **Chest** 1990 Nov;98(5 Suppl):162S–164S (16 ref.)

Primary care teams and the treatment of diabetes [editorial] Walford S. **Diabetic Med** 1991 May;8(4):307–8 (9 ref.)

Rationing medical care. Higgins W. **Fam Med** 1991 May–Jun; 23(4):292–6 (44 ref.)

Strategies for evaluating treatments for major depression in primary care patients. Schulberg HC, et al. **Gen Hosp Psychiatry** 1991 Jan;13(1):9–18 (52 ref.)

Microcomputer applications for primary health care in developing countries. Wilson RG, et al. **Infect Dis Clin North Am** 1991 Jun;5(2):247–64 (40 ref.)

Family medicine--an overview. Furst A, et al. **Isr J Med Sci** 1990 Sep;26(9):481–4 (17 ref.)

Chronic pain in primary care. Identification and management of psychosocial factors. Sullivan MD, et al. **J Fam Pract** 1991 Feb;32(2):193–9 (30 ref.)

Assessing HIV infection in primary care practice. Makadon HJ. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S2–7 (23 ref.)

Primary care and HIV disease. Smith MD. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S56–62 (47 ref.)

Child care options for ill children. Landis SE, et al. **Pediatrics** 1991 Oct;88(4):705–18 (69 ref.)

Preventive medicine in primary care. Moving from theory to practice. Stange KC, et al. **Postgrad Med** 1991 Sep 1; 90(3):125–8 (36 ref.)

An anthropological perspective on the acceptability of immunization services. Heggenhougen HK, et al. **Scand J Infect Dis Suppl** 1990;76:20–31 (93 ref.)

Promoting successful aging in the primary care patient. Teitelman J, et al. **Va Med Q** 1991 Spring;118(2):101–2 (15 ref.)

[Primary health care in developing countries] Anker H. **Tidsskr Nor Laegeforen** 1991 Jun 20;111(16):1967–72 (31 ref.) (Eng. Abstr.) **(Nor)**

[Primary medical health care (a review of the literature)] Borisenko NF, et al. **Vrach Delo** 1990 Sep;(9):112–6 (35 ref.) **(Rus)**

METHODS

Drug abuse and its clinical implications with special reference to Nigeria. Abiodun OA. **Cent Afr J Med** 1991 Jan; 37(1):24–30 (43 ref.)

Guidelines for prescribing psychoactive drugs in the elderly: Part 1. Maletta G, et al. **Geriatrics** 1991 Sep;46(9):40–7 (33 ref.)

Guidelines for prescribing psychoactive drugs in the elderly: Part 2. Maletta G, et al. **Geriatrics** 1991 Sep;46(9):52–7, 60 (33 ref.)

Malignant tumors of the eye in geriatric patients. Shields

JA, et al. **Geriatrics** 1991 Sep;46(9):28–39 (2 ref.)
Drug use and the role of patients and prescribers. Sterky G, et al. **J Clin Epidemiol** 1991;44 Suppl 2:67S–72S (23 ref.)
Alcohol abuse and alcoholism in primary health care settings. Magruder-Habib K, et al. **J Fam Pract** 1991 Apr; 32(4):406–13 (70 ref.)
Thromboembolism prophylaxis. Choosing the proper method for surgical patients. Corapi MJ, et al. **Postgrad Med** 1991 Aug;90(2):233–40 (15 ref.)
Assessing an adult patient's suicide risk. What primary care physicians need to know. Westreich L. **Postgrad Med** 1991 Sep 15;90(4):59–62 (11 ref.)

ORGANIZATION & ADMINISTRATION

Mental health care in a general health care system: the experience of the Puyallup. Guilmet GM, et al. **Am Indian Alsk Native Ment Health Res** 1988;1 MONO 1:291–316 discussion 317–24 (55 ref.)
Alma Ata and health for all by the year 2000. The roles of academic institutions. Bryant JH, et al. **Infect Dis Clin North Am** 1991 Jun;5(2):403–16 (9 ref.)

STANDARDS

A qualitative approach to primary care research: the long interview. Crabtree BF, et al. **Fam Med** 1991 Feb; 23(2):145–51 (38 ref.)
Primary care of women infected with the human immunodeficiency virus. Allen MH. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):557–69 (43 ref.)
High consumers of health care in emergency units: how to improve their quality of care. Hansagi H, et al. **Qual Assur Health Care** 1991;3(1):51–62 (36 ref.)

PRIMARY PREVENTION

Kelly West Lecture. Primary prevention of type II diabetes mellitus. Stern MP. **Diabetes Care** 1991 May;14(5):399–410 (73 ref.)
The primary prevention role of the nurse in eating disorders. Chitty KK. **Nurs Clin North Am** 1991 Sep;26(3):789–800 (8 ref.)
[Methods in weaning from smoking] Dittmann A, et al. **Pneumologie** 1990 Dec;44(12):1279–86 (69 ref.) **(Ger)**
[Risk factors in cerebral ischemic vascular diseases and their primary prevention] Popescu IA. **Rev Med Interna Neurol Psihiatr Neurochir Dermatovenerol Neurol Psihiatr Neurochir** 1990 Jan–Mar;35(1):9–16 (26 ref.) **(Rum)**
[The primary prevention of ischemic cardiopathy. What is the place of pharmacological intervention?] Corral Corral C. **Med Clin (Barc)** 1991 Mar 16;96(10):388–93 (26 ref.) **(Spa)**

METHODS

Primary prevention of adolescent pregnancy [see comments] Perkins JL. **Birth Defects** 1991;27(1):9–28 (114 ref.) Comment in: Birth Defects 1991;27(1):29–32.
Family-focused primary prevention of adolescent pregnancy [see comments] Raines TG. **Birth Defects** 1991;27(1):87–103 (47 ref.) Comment in: Birth Defects 1991;27(1):104–13.
Prevention of coronary heart disease in black adults. Pearson TA, et al. **Cardiovasc Clin** 1991;21(3):263–76 (62 ref.)
Quantification of the effects of preventive measures. Kaldor J, et al. **IARC Sci Publ** 1990;(103):13–22 (28 ref.)
Effectiveness of primary prevention of occupational exposures on cancer risk. Swerdlow AJ. **IARC Sci Publ** 1990;(103):23–56 (97 ref.)
Strategies for reducing cardiovascular risk in women. Burkman RT Jr. **J Reprod Med** 1991 Mar;36(3 Suppl):238–46 (81 ref.)
Prevention of menopausal sequelae. Bachmann GA. **N J Med** 1991 Mar;88(3):181–4 (31 ref.)
Health maintenance strategies for women of different ages. An overview. Rosen M. **Obstet Gynecol Clin North Am** 1990 Dec;17(4):673–94 (84 ref.)
Prophylaxis of venous thromboembolism. Kakkar VV, et al. **World J Surg** 1990 Sep–Oct;14(5):670–8 (104 ref.)
[Prevention of malignant neoplasms] Ebeling K. **Z Arztl Fortbild (Jena)** 1990;84(17):859–64 (25 ref.) **(Ger)**
[Clinical trials for primary prevention of ischemic cardiopathy. Light and darkness] Dal Palù C, et al. **G Ital Cardiol** 1990 Nov;20(11):1044–53 (65 ref.) **(Ita)**
[DNA markers in the diagnosis and prophylaxis of internal diseases] Buraczyńska M, et al. **Pol Arch Med Wewn** 1990 Nov;84(5):302–8 (27 ref.) **(Pol)**

ORGANIZATION & ADMINISTRATION

Community-based primary prevention of adolescent pregnancy [see comments] Norr KF. **Birth Defects** 1991; 27(1):175–99 (57 ref.) Comment in: Birth Defects 1991;27(1):200–5.
A population-based cancer prevention research unit. Henderson MM. **Cancer Detect Prev** 1991;15(1):17–9 (0 ref.)
Implementation of a systematic health maintenance protocol in a private practice [see comments] Hahn DL, et al. **J Fam Pract** 1990 Nov;31(5):492–502; discussion 502–4 (51 ref.) Comment in: J Fam Pract 1991 Feb;32(2):128–9. Comment in: J Fam Pract 1991 Apr;32(4):353–4.
Preventive care for the elderly. Lavizzo-Mourey R, et al. **Occup Med** 1990 Oct–Dec;5(4):827–35 (58 ref.)

STANDARDS

Preventive care guidelines: 1991 [published erratum appears in Ann Intern Med 1991 Aug 15;115(4):332] Hayward RS, et al. **Ann Intern Med** 1991 May 1;114(9):758–83 (142 ref.)

TRENDS

Trends in primary and secondary prevention. Tubiana M. **Cancer Detect Prev** 1991;15(1):1–5 (0 ref.)

PRIMATES

Diabetes mellitus in nonhuman primates: recent research advances and current husbandry practices. Howard CF Jr, et al. **J Med Primatol** 1990;19(7):609–25 (72 ref.)
Primate viral diseases in perspective. Kalter SS, et al. **J Med Primatol** 1990;19(6):519–35 (19 ref.)
[Infanticide in primates and man and the problems of reconstructing the social behavior of the hominids] Butovskaia ML. **Biol Nauki** 1990;(12):5–23 (72 ref.) (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Integrated phylogeny of the primate brain, with special reference to humans and their diseases. Rapoport SI. **Brain Res Brain Res Rev** 1990 Sep–Dec;15(3):267–94 (290 ref.)

CLASSIFICATION

What's old and new in molecular phylogenetics. Marks J. **Am J Phys Anthropol** 1991 Jun;85(2):207–19 (65 ref.)

GENETICS

Phylogeny and molecular evolution in primates. Hasegawa M. **Idengaku Zasshi** 1990 Aug;65(4):243–66 (85 ref.)
Evolution of HLA class-II polymorphism in primates: the DQA locus. Gyllensten UB, et al. **Immunol Res** 1990; 9(3):223–33 (35 ref.)
Chromosomal evolution and speciation in primates. Rumpler Y, et al. **Revis Biol Celular** 1990;23:1–112 (176 ref.)

METABOLISM

Antioxidants and aging. Cutler RG. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):373S–379S (27 ref.)

PHYSIOLOGY

Development and regulation of growth and differentiated function in human and subhuman primate fetal gonads [published erratum appears in Endocr Rev 1991 Feb;12(1):90] Rabinovici J, et al. **Endocr Rev** 1990 Nov; 11(4):532–57 (276 ref.)
In vitro fertilization in nonhuman primates. Dukelow WR, et al. **J Med Primatol** 1990;19(7):627–39 (57 ref.)
Chorionic gonadotrophin and embryo–maternal recognition during the peri-implantation period in primates. Hearn JP, et al. **J Reprod Fertil** 1991 Jul;92(2):497–509 (68 ref.)
Behavioral electrophysiology of the prefrontal cortex of the primate. Fuster JM. **Prog Brain Res** 1990;85:313–23; discussion 323–4 (20 ref.)
Cellular and circuit basis of working memory in prefrontal cortex of nonhuman primates. Goldman-Rakic PS. **Prog Brain Res** 1990;85:325–35; discussion 335–6 (33 ref.)
The role of the adenylyl cyclase system in the regulation of corpus luteum function in the human and in nonhuman primates. Rojas FJ, et al. **Steroids** 1991 May;56(5):252–7 (28 ref.)
Dopaminergic innervation of the cerebral cortex: unexpected differences between rodents and primates [published erratum appears in Trends Neurosci 1991 Mar;14(3):119] Berger B, et al. **Trends Neurosci** 1991 Jan;14(1):21–7 (52 ref.)
Cortical connections of MT in four species of primates: areal, modular, and retinotopic patterns. Krubitzer LA, et al. **Vis Neurosci** 1990 Aug;5(2):165–204 (147 ref.)

PSYCHOLOGY

Manual laterality in nonhuman primates: a distinction between handedness and manual specialization. Fagot J, et al. **Psychol Bull** 1991 Jan;109(1):76–89 (122 ref.)

PRIMIPARITY see **PARITY**

PRIMITIVE GUT see **GASTRULA**

PRIMITIVE STREAK see **GASTRULA**

PRINDOLOL see **PINDOLOL**

PRINZMETAL'S ANGINA see **ANGINA PECTORIS, VARIANT**

PRIONS

Scrapie and Creutzfeldt-Jakob disease prions. Prusiner SB, et al. **Microbiol Sci** 1985;2(2):33–9 (54 ref.)
[Current developments in the problem of prions and prion diseases] Israil A. **Rev Ig [Bacteriol]** 1990 Jan–Mar; 35(1):17–40 (86 ref.) (Eng. Abstr.) **(Rum)**

GENETICS

Genetics of response to slow virus (prion) infection. Kingsbury DT. **Annu Rev Genet** 1990;24:115–32 (67 ref.)
Novel structure and genetics of prions causing neurodegeneration in humans and animals. Prusiner SB. **Biologicals** 1990 Oct;18(4):247–62 (181 ref.)
"Life, Jim, but not as we know it"? Transmissible dementias and the prion protein. Harrison PJ, et al. **Br J Psychiatry** 1991 Apr;158:457–70 (145 ref.)
Molecular biology of prion diseases. Prusiner SB. **Science** 1991 Jun 14;252(5012):1515–22 (83 ref.)
The scrapie agent and the prion hypothesis. Brunori M, et al. **Trends Biochem Sci** 1988 Aug;13(8):309–13 (54 ref.)
[Mutation of codon 117 of the prion gene in Gerstmann-Sträussler-Scheinker disease] Tranchant C, et al. **Rev Neurol (Paris)** 1991;147(4):274–8 (31 ref.) (Eng. Abstr.) **(Fre)**

PATHOGENICITY

Spongiform encephalopathies. The prion's progress [news] Weissmann C. **Nature** 1991 Feb 14;349(6310):569–71 (22 ref.)
A 'unified theory' of prion propagation. Weissmann C. **Nature** 1991 Aug 22;352(6337):679–83 (149 ref.)
Inherited human prion diseases. Hsiao K, et al. **Neurology** 1990 Dec;40(12):1820–7 (70 ref.)

PHYSIOLOGY

[The biology of prions, a response to the enigma of spongiform encephalopathies of sheep and humans] Cambier J. **Bull Acad Natl Med** 1990 Dec;174(9):1353–7; discussion 1357–9 (11 ref.) (Eng. Abstr.) **(Fre)**

PRIORITIES, HEALTH see **HEALTH PRIORITIES**

PRISONERS

Cruel and unusual punishment: the health care of women in prison. Wilson JS, et al. **Nurse Pract** 1991 Feb;16(2):32, 34, 36–9 (41 ref.)

PSYCHOLOGY

Psychiatry in the Canadian Correctional Service. Green CM, et al. **Can J Psychiatry** 1991 May;36(4):290–5 (18 ref.)

PRISONS

Evaluation research on prison-based drug treatment programs and some policy implications. Rouse JJ. **Int J Addict** 1991 Jan;26(1):29–44 (50 ref.)

STATISTICS & NUMERICAL DATA

Secure accommodation for very difficult adolescents: some recent research findings. Bullock R, et al. **J Adolesc** 1990 Sep;13(3):205–16 (34 ref.)

PRIVACY ACT see **CIVIL RIGHTS**

PRIVATE PRACTICE

Implementation of a systematic health maintenance protocol in a private practice [see comments] Hahn DL, et al. **J Fam Pract** 1990 Nov;31(5):492–502; discussion 502–4 (51 ref.) Comment in: J Fam Pract 1991 Feb;32(2):128–9. Comment in: J Fam Pract 1991 Apr;32(4):353–4.

ORGANIZATION & ADMINISTRATION

Limitations of expert systems: intuition versus analysis. Lilford RJ. **Baillieres Clin Obstet Gynaecol** 1990 Dec; 4(4):851–6 (3 ref.)

PRIVATE ROOMS see **PATIENTS' ROOMS**

PRIVILEGED COMMUNICATION see **CONFIDENTIALITY**

PRL-SECRETING PITUITARY ADENOMA see **PROLACTINOMA**

PROALBUMIN see **PREALBUMIN**

PROBABILISTIC MODELS see **MODELS, STATISTICAL**

PROBABILITY THEORY

Reasoning in uncertainties. An analysis of five strategies and their suitability in pathology. van Ginneken AM, et al. **Anal Quant Cytol Histol** 1991 Apr;13(2):93–109 (10 ref.)

PROBLEM SOLVING

see related
DECISION MAKING

Some developmental implications of a disturbance in responding to complex environmental stimuli. Burke JC. **Am J Ment Retard** 1991 Jul;96(1):37–52 (150 ref.)
Attentional functioning and relational learning. Soraci SA Jr, et al. **Am J Ment Retard** 1990 Nov;95(3):304–15 (42

ref.)
Coping, problem solving and stress: a framework for intervention strategies. Ostell A. **Br J Med Psychol** 1991 Mar;64 (Pt 1):11–24 (65 ref.)
Administering a microcomputer-based problem-solving examination. Kwak AR, et al. **J Biocommun** 1990;17(3):9–13 (5 ref.)
Models of arithmetic fact retrieval: an evaluation in light of findings from normal and brain-damaged subjects. McCloskey M, et al. **J Exp Psychol [Learn Mem Cogn]** 1991 May;17(3):377–97 (47 ref.)
Critical thinking and nursing education: perplexities and insights. Kintgen-Andrews J. **J Nurs Educ** 1991 Apr; 30(4):152–7 (34 ref.)
Effects of developmental disorder on parents: theoretical and applied considerations. Konstantareas MM, et al. **Psychiatr Clin North Am** 1991 Mar;14(1):183–98 (60 ref.)
The case for motivated reasoning. Kunda Z. **Psychol Bull** 1990 Nov;108(3):480–98 (100 ref.)

PHYSIOLOGY

Representational content and computation in the human visual system. Eimer M. **Psychol Res** 1990;52(2–3):238–42 (7 ref.)

PROBUCOL

THERAPEUTIC USE

Probucol and its mechanisms for reducing atherosclerosis. Jackson RL, et al. **Adv Exp Med Biol** 1991;285:367–72 (25 ref.)

PROCESS ASSESSMENT see OUTCOME AND PROCESS ASSESSMENT (HEALTH CARE)

PROCETOFEN

THERAPEUTIC USE

Fenofibrate. A review of its pharmacodynamic and pharmacokinetic properties and therapeutic use in dyslipidaemia. Balfour JA, et al. **Drugs** 1990 Aug; 40(2):260–90 (124 ref.)

PROCOLLAGEN

BLOOD

Biochemical markers of hepatic fibrosis. Plebani M, et al. **Clin Biochem** 1991 Jun;24(3):219–39 (273 ref.)
[Significance and limitations of the radioimmunologic determination of the aminoterminal peptide of procollagen III in chronic hepatopathies] Rossi L, et al. **Ann Ital Med Int** 1988 Jul–Sep;3(3):203–7 (0 ref.) **(Eng. Abstr.)** **(Ita)**

PROCONVERTIN see FACTOR VII

PROCTITIS

DIAGNOSIS

Extra-ordinary forms of proctitis. Bartelsman JF, et al. **Neth J Med** 1990 Aug;37 Suppl 1:S52–6 (16 ref.)
Proctitis. Tytgat GN, et al. **Neth J Med** 1990 Aug;37 Suppl 1:S37–42 (49 ref.)
[Ulcerating, anal lesions—sexually transmissible diseases] Geile D, et al. **Z Gastroenterol Verh** 1991 Mar;26:181–5 (0 ref.) **(Ger)**

ETIOLOGY

[Peri-anal dermatopathies] Wienert V. **Z Gastroenterol Verh** 1991 Mar;26:173–5 (6 ref.) **(Ger)**
[Acute paraproctitis and anaerobic infection] Rogalin IaF. **Sov Med** 1991;(3):36–9 (47 ref.) **(Rus)**

PATHOLOGY

[Idiopathic ulcerative proctitis. Clinical presentation and endoscopic outcome] Siproudhis L, et al. **Gastroenterol Clin Biol** 1991;15(4):315–21 (38 ref.) **(Eng. Abstr.)** **(Fre)**

RADIOGRAPHY

Radiology of anorectal diseases. Reeders JW, et al. **Neth J Med** 1990 Aug;37 Suppl 1:S6–21 (57 ref.)

SURGERY

[Solitary rectal ulcer syndrome: clinical features, clinical course and treatment. Apropos of 22 cases] Costalat G, et al. **Ann Chir** 1990;44(10):807–16 (30 ref.) **(Eng. Abstr.)** **(Fre)**

PROCTOCOLITIS

[Idiopathic proctocolitis. Follow-up (1–13 years) of 71 patients] Martins P, et al. **Acta Med Port** 1990 May–Jun; 3(3):159–63 (16 ref.) **(Eng. Abstr.)** **(Por)**

PROCTOLOGY see COLON AND RECTAL SURGERY (SPECIALTY)

PROCTOSIGMOIDITIS see PROCTOCOLITIS

PRODRUGS

Cefpodoxime proxetil: dosage, efficacy and tolerance in adults suffering from respiratory tract infections. Safran C. **J Antimicrob Chemother** 1990 Dec;26 Suppl E:93–101 (17 ref.)
Five years' experience with gamma-L-glutamyl-L-dopa: a relatively renally specific dopaminergic prodrug in man. Lee MR. **J Auton Pharmacol** 1990;10 Suppl 1:s103–8 (24 ref.)

ADMINISTRATION & DOSAGE

Antibody-directed enzyme/prodrug therapy (ADEPT). Bagshawe KD. **Biochem Soc Trans** 1990 Oct;18(5):750–2 (28 ref.)
Bioprecursor approach to drug targeting. Jung MJ. **Biochem Soc Trans** 1990 Oct;18(5):745–6 (5 ref.)
Pharmacokinetic requirements for successful site-directed targeting of drugs. McMartin C. **Biotherapy** 1991;3(1):9–23 (15 ref.)

CHEMICAL SYNTHESIS

Synthesis, properties and prodrug potential of 2-methyl-2-oxy- and 2-methyl-2-thio-4H-1,3-benzodioxin-4-ones. Ankersen M, et al. **Acta Chem Scand** 1989 Mar;43(3):213–21 (34 ref.)
Antitumor imidazotetrazinones: prodrugs targeted to the major groove of DNA. Stevens MF. **Farmaco** 1991 Jan;46(1 Suppl):147–59 (39 ref.)

PHARMACOKINETICS

Prodrugs: advantage or disadvantage? Hammerstein J. **Am J Obstet Gynecol** 1990 Dec;163(6 Pt 2):2198–203 (32 ref.)

PHARMACOLOGY

Construction and chemotherapeutic potential of carboxypeptidase-A/monoclonal antibody conjugate. Esswein A, et al. **Adv Enzyme Regul** 1991;31:3–12 (12 ref.)
Novel therapeutics acting via purine receptors. Jacobson KA, et al. **Biochem Pharmacol** 1991 May 15;41(10):1399–410 (69 ref.)

THERAPEUTIC USE

[Cefuroxime axetil, a new oral cephalosporin for treating infections of the ORL field: clinical synthesis] Westphal JF. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(5):503–5 (12 ref.) **(Eng. Abstr.)** **(Fre)**

PRODUCT LABELING, FOOD see FOOD LABELING

PRODUCT SAFETY, CONSUMER see CONSUMER PRODUCT SAFETY

PRODUCT SURVEILLANCE, POSTMARKETING

Problems of drug surveillance—an international view. Massarotti M, et al. **Acta Neurochir Suppl (Wien)** 1990; 50:26–31 (52 ref.)
Use of an algorithm to evaluate published reports of adverse drug reactions. Case B, et al. **Am J Hosp Pharm** 1991 Jan; 48(1):121–2 (13 ref.)
The marketing of 5-hydroxytryptamine: depression or anxiety? Healy D. **Br J Psychiatry** 1991 Jun;158:737–42 (44 ref.)
A review of carbamazepine's hematologic reactions and monitoring recommendations. Sobotka JL, et al. **DICP** 1990 Dec;24(12):1214–9 (89 ref.)
Adverse drug reactions and the elderly. Ray WA, et al. **Health Aff (Millwood)** 1990 Fall;9(3):114–22 (27 ref.)
Safety profile of ceftizoxime: an Italian experience on 14,007 patients. Garotta F, et al. **J Chemother** 1991 Feb;3 Suppl 2:36–8 (0 ref.)
[rt-PA versus streptokinase—Has the controversy regarding the optimal thrombolytic agent been resolved by results of the GISSI II/International rt-PA vs. Streptokinase fatality Study?] Gulba DC, et al. **Z Kardiol** 1991 Jan; 80(1):1–5 (35 ref.) **(Ger)**
[Drug surveillance for adverse reactions in patients with human immunodeficiency virus infection] Valencia ME, et al. **An Med Interna** 1990 Nov;7(11):591–8 (58 ref.) **(Eng. Abstr.)** **(Spa)**

METHODS

[Pharmacovigilance and 2nd generation antidepressive agents] Guelfi JD. **Encephale** 1991 May–Jun;17 Spec No 1:139–44 (36 ref.) **(Eng. Abstr.)** **(Fre)**

TRENDS

[Pharmacologic surveillance and safety of drugs: reflexions for legislative and, especially, cultural action] Laporte JR. **Rev Med Univ Navarra** 1988 Jan–Mar;32(1):31–3 (0 ref.) **(Spa)**

PRODUCTIVITY see EFFICIENCY

PROENZYMES see ENZYME PRECURSORS

PROERYTHROBLASTS see ERYTHROBLASTS

PROFESSIONAL COMPETENCE

Skill mix in nursing: a selective review of the literature. Gibbs I, et al. **J Adv Nurs** 1991 Feb;16(2):242–9 (39 ref.)

PROFESSIONAL-FAMILY RELATIONS

ABC of major trauma. Handling distressed relatives and breaking bad news. McLauchlan CA. **BMJ** 1990 Nov 17; 301(6761):1145–9 (2 ref.)
Family grief in the emergency department. Walters DT, et al. **Emerg Med Clin North Am** 1991 Feb;9(1):189–206 (44 ref.)
Parent-professional relationships in the treatment of seriously emotionally disturbed children and adolescents. Collins B, et al. **Soc Work** 1990 Nov;35(6):522–7 (50 ref.)
Family protective thinking about cardiac events: nursing interventions to promote maintenance of family health behaviors. Wastlick LA, et al. **Wis Med J** 1991 Jul; 90(7):438–40 (11 ref.)

PROFESSIONAL LIABILITY see LIABILITY, LEGAL

PROFESSIONAL-PATIENT RELATIONS

see related
TRUTH DISCLOSURE

Perspective of power in therapeutic relationships. van Mens-Verhulst J. **Am J Psychother** 1991 Apr;45(2):198–210 (25 ref.)
Patient suicide and its impact on the psychotherapist. Menninger WW. **Bull Menninger Clin** 1991 Spring; 55(2):216–27 (18 ref.)
Rediscovering the act of interviewing by pharmacists. Ranelli PL. **J Clin Pharm Ther** 1990 Oct;15(5):377–80 (10 ref.)
What is empathy, and can empathy be taught? Davis CM. **Phys Ther** 1990 Nov;70(11):707–11; discussion 712–5 (14 ref.)
[The "intervening parties" facing the implicit needs of their clients: can their discomfort be resolved?] Wulliemier F. **Rev Med Suisse Romande** 1991 May;111(5):441–42 (34 ref.) **(Fre)**
[Intervention of the psychologist in the treatment of patients with heart disease] Ebaid C, et al. **Arq Bras Cardiol** 1990 Aug;55(2):133–5 (14 ref.) **(Por)**

PROFESSIONAL PRACTICE

The clinical practitioner and expert systems. Funck-Brentano JL. **Contrib Nephrol** 1990;78:166–72; discussion 172–3 (0 ref.)
Prosthodontics. Clinical practice—professional affairs. Review of the literature. Landesman HM. **J Prosthet Dent** 1990 Sep;64(3):252–64 (35 ref.)

STANDARDS

Bioethics: implications for medical practice and deontologic and legal standards in Brazil. Dias HP. **Bull Pan Am Health Organ** 1990;24(4):491–503 (16 ref.)

TRENDS

Testing for uncommon conditions. The heroic search for positive test results [see comments] Woolf SH, et al. **Arch Intern Med** 1990 Dec;150(12):2451–8 (81 ref.) Comment in: Arch Intern Med 1991 Jul;151(7):1463.

PROFESSIONAL STAFF COMMITTEES

LEGISLATION & JURISPRUDENCE

Institutional ethics committees and case consultation: is there a role? Gramelspacher GP. **Issues Law Med** 1991 Summer; 7(1):73–82 (39 ref.)

ORGANIZATION & ADMINISTRATION

Ethics committees in hospitals: alternative structures and responsibilities. Robertson JA. **Issues Law Med** 1991 Summer;7(1):83–91 (20 ref.)

PROFIBRINOLYSIN see PLASMINOGEN

PROGENITOR CELLS see STEM CELLS

PROGENITOR CELLS, ERYTHROPOIETIC see ERYTHROID PROGENITOR CELLS

PROGERIA

Progeria: report of a case and review of the literature. Yu QX, et al. **J Oral Pathol Med** 1991 Feb;20(2):86–8 (26 ref.)

GENETICS

Genetic diseases of premature aging as models of senescence.

Brown WT. **Annu Rev Gerontol Geriatr** 1990;10:23–42 (66 ref.)
Hutchinson–Gilford progeria syndrome in siblings. Report of three new cases. Monu JU, et al. **Skeletal Radiol** 1990; 19(8):585–90 (36 ref.)

PROGERIA, ADULT see **WERNER'S SYNDROME**

PROGESTATIONAL HORMONE ANALOGS see **PROGESTATIONAL HORMONES, SYNTHETIC**

PROGESTATIONAL HORMONES

ADMINISTRATION & DOSAGE

[Hormonal substitution after menopause—advantages and risks] Bengtsson C. **Lakartidningen** 1990 Dec 12; 87(50):4331–3 (15 ref.) **(Swe)**

ADVERSE EFFECTS

Risks of estrogens and progestogens. L'Hermite M. **Maturitas** 1990 Sep;12(3):215–46 (199 ref.)

ANTAGONISTS & INHIBITORS

Uterine contractility and interaction between prostaglandins and antiprogestins. Clinical implications. Bygdeman M, et al. **Ann N Y Acad Sci** 1991;626:561–7 (28 ref.)
Novel approaches to the endocrine therapy of breast cancer. Dowsett M. **Eur J Cancer** 1990;26(9):989–92 (29 ref.)

METABOLISM

Neuroendocrine metabolism of progesterone and related progestins. Karavolas HJ, et al. **Ciba Found Symp** 1990; 153:22–44; discussion 44–55 (25 ref.)
Reproductive steroid hormones: generation, degradation, reception, and action. Witt BR, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):563–75 (16 ref.)

PHARMACOLOGY

Effects on the endometrium, endo- and exocervix following the use of local progestogen-releasing delivery systems. Johannisson E. **Contraception** 1990 Oct;42(4):403–21 (74 ref.)
Development of progestin-specific response in the chicken oviduct. Tuohimaa P, et al. **Int J Dev Biol** 1989 Mar; 33(1):125–34 (103 ref.)

PHYSIOLOGY

The role of prostaglandins and ovarian hormones in the regulation of human uterine contractility. Bygdeman M, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991;21B:799–806 (14 ref.)
Biology of female sex hormone action in relation to contraceptive agents and neoplasia. King RJ. **Contraception** 1991 Jun;43(6):527–42 (73 ref.)
Sex steroids and osteoporosis: effects of deficiencies and substitutive treatments. Schot LP, et al. **J Steroid Biochem Mol Biol** 1990 Oct;37(2):167–82 (182 ref.)
Ovarian hormones and the circulation. Sarrel PM. **Maturitas** 1990 Sep;12(3):287–98 (63 ref.)
Estrogens, progestins, and headache. Silberstein SD, et al. **Neurology** 1991 Jun;41(6):786–93 (132 ref.)

THERAPEUTIC USE

Can the withdrawal bleed following oestrogen replacement therapy be avoided? Leather AT, et al. **Br J Obstet Gynaecol** 1990 Dec;97(12):1071–4 (22 ref.)
Hormonal aspects of endometrial cancer. Sutton G. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):69–73 (16 ref.)
Risk–benefit assessment of drugs used for the treatment of menstrual disorders. Higham JM, et al. **Drug Saf** 1991 May–Jun;6(3):183–91 (47 ref.)
Hormonal treatment of endometrial carcinoma: an overview and new development in biology. Satyaswaroop PG, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):997–1001 (10 ref.)
Hormone replacement therapy and the menopause. Australian Menopause Society. MacLennan AH. **Med J Aust** 1991 Jul 1;155(1):43–4 (0 ref.)

PROGESTATIONAL HORMONES, SYNTHETIC

ADMINISTRATION & DOSAGE

Current status of high-dose progestins in breast cancer. Abrams JS, et al. **Semin Oncol** 1990 Dec;17(6 Suppl 9):68–72 (31 ref.)

PHARMACOKINETICS

Pharmacokinetics of oestrogens and progestogens. Kuhl H. **Maturitas** 1990 Sep;12(3):171–97 (70 ref.)

PHARMACOLOGY

Characteristics of the new progestogens in combination oral contraceptives. Rebar RW, et al. **Contraception** 1991 Jul; 44(1):1–10 (21 ref.)

THERAPEUTIC USE

Systemic therapy with single agents for advanced or recurrent endometrial carcinoma. Thigpen T. **Cancer Treat Res** 1989;49:93–106 (51 ref.)

PROGESTERONE

ADMINISTRATION & DOSAGE

Present status of contraceptive vaginal rings. Jackson R, et al. **Adv Contracept** 1990 Sep;6(3):169–76 (17 ref.)
[Estrogen substitution therapy in climacteric: should progesterone be omitted in hysterectomized women?] Huber J. **Geburtshilfe Frauenheilkd** 1991 Apr;51(4):257–61 (35 ref.) (Eng. Abstr.) **(Ger)**
[Principles of physiologic and drug-induced cervix ripening—recent morphologic and biochemical findings] Rath W, et al. **Geburtshilfe Frauenheilkd** 1990 Sep; 50(9):657–64 (47 ref.) (Eng. Abstr.) **(Ger)**
[Effects and side effects of estrogens and gestagens in pediatric and adolescent gynecology] Lauritzen C. **Monatsschr Kinderheilkd** 1990 Oct;138(10):651–5 (0 ref.) (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Antitumor activity and mechanism of action of different antiprogestins in experimental breast cancer models. Schneider MR, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):783–7 (9 ref.)
Progesterone receptor antagonists and prostaglandins in human fertility regulation: a clinical review. Healy DL. **Reprod Fertil Dev** 1990;2(5):477–90 (51 ref.)
[Antiprogestagens] Keirse MJ. **Ned Tijdschr Geneeskd** 1990 Dec 29;134(52):2516–8 (18 ref.) **(Dut)**

BIOSYNTHESIS

[Endocrine capacity of the mammalian blastocyst. I. Biosynthesis and metabolism of progesterone] Loza Arredondo MC, et al. **Ginecol Obstet Mex** 1990 Nov; 58:310–4 (27 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

Neuroendocrine metabolism of progesterone and related progestins. Karavolas HJ, et al. **Ciba Found Symp** 1990; 153:22–44; discussion 44–55 (25 ref.)
[Endocrine capacity of the mammalian blastocyst. I. Biosynthesis and metabolism of progesterone] Loza Arredondo MC, et al. **Ginecol Obstet Mex** 1990 Nov; 58:310–4 (27 ref.) (Eng. Abstr.) **(Spa)**

PHARMACOLOGY

Metabolic aspects of oral contraceptives of relevance for cardiovascular disease. First European conference on sex steroids and metabolism. Skouby SO, et al. **Adv Contracept** 1990 Dec;6 Suppl:7–13 (0 ref.)
Effects of hormones on endometrial cancer cells in culture. Holinka CF, et al. **Ann N Y Acad Sci** 1991;622:422–38 (31 ref.)
Effects of progesterone and its metabolites on neuronal membranes. Ramirez VD, et al. **Ciba Found Symp** 1990; 153:125–41; discussion 141–4 (34 ref.)

PHYSIOLOGY

[Veins and hormones: a conflicting couple] Flabeau-Tugaye C. **Rev Fr Gynecol Obstet** 1990 Jul–Sep;85(7–9):487–90 (12 ref.) (Eng. Abstr.) **(Fre)**
[Endocrinology and therapy of breast diseases] Breckwoldt M. **Zentralbl Gynakol** 1990;112(17):1097–9 (3 ref.) (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Epidemiology of endometrial cancer. Voigt LF, et al. **Cancer Treat Res** 1989;49:1–21 (132 ref.)

PROGESTERONE RECEPTORS see **RECEPTORS, PROGESTERONE**

PROGESTIN ANALOGS see **PROGESTATIONAL HORMONES, SYNTHETIC**

PROGESTIN RECEPTORS see **RECEPTORS, PROGESTERONE**

PROGESTINS see **PROGESTATIONAL HORMONES**

PROGESTINS, SYNTHETIC see **PROGESTATIONAL HORMONES, SYNTHETIC**

PROGLUMIDE RECEPTORS see **RECEPTORS, CHOLECYSTOKININ**

PROGNATHISM

SURGERY

Impact of orthognathic surgery on normal and abnormal personality dimensions: a 2-year follow-up study of 61 patients. Flanary CM, et al. **Am J Orthod Dentofacial Orthop** 1990 Oct;98(4):313–22 (58 ref.)

PROGNOSIS

Prognostic factors in lymphomas: the contribution of immunophenotyping and molecular studies. Berger MS. **Curr Opin Immunol** 1989–90;2(5):719–22 (20 ref.)
[Productivity of using the concept of prognosis] Vlasov VV. **Sov Med** 1990;(12):35–7 (22 ref.) **(Rus)**

PROGNOSTIC NUTRITIONAL INDEX (PNI) see **NUTRITION ASSESSMENT**

PROGRAM EVALUATION

Assessment of cervical cancer screening and follow-up programs. Celentano DD, et al. **Public Health Rev** 1989–90; 17(2–3):173–240 (115 ref.)

ECONOMICS

Economic analyses in hypertension: applications for healthcare providers. Jones-Grizzle AJ, et al. **DICP** 1991 Mar;25(3):289–95 (31 ref.)

METHODS

Program evaluation guidelines for the rehabilitation professional. Glueckauf RL. **Adv Clin Rehabil** 1990; 3:250–66 (38 ref.)
Development of the AT&T Health Audit for measuring organizational health. Scofield ME, et al. **Occup Med** 1990 Oct–Dec;5(4):755–70 (35 ref.)
Evaluating written patient education materials. Frank-Stromborg M, et al. **Semin Oncol Nurs** 1991 May; 7(2):125–34 (34 ref.)

PROGRAM EVALUATION, NURSING see **NURSING EVALUATION RESEARCH**

PROGRAMMED INSTRUCTION

Teaching self-instructional skills to persons with mental retardation: a descriptive and experimental analysis. Agran M, et al. **Prog Behav Modif** 1991;27:36–55 (47 ref.)
Independent performance among individuals with mental retardation: promoting generalization through self-instruction. Hughes C. **Prog Behav Modif** 1991;27:7–35 (31 ref.)

PROGRAMMED INSTRUCTION, COMPUTERIZED see **COMPUTER-ASSISTED INSTRUCTION**

PROGRAMMED LEARNING see **PROGRAMMED INSTRUCTION**

PROGRAMMING LANGUAGES

Programming languages. Lincoln TL. **Clin Lab Med** 1991 Mar;11(1):53–72 (35 ref.)

PROGRANULOCYTIC LEUKEMIA see **LEUKEMIA, PROMYELOCYTIC, ACUTE**

PROGRESSIVE INTERSTITIAL PNEUMONIA OF SHEEP see **PNEUMONIA, PROGRESSIVE INTERSTITIAL, OF SHEEP**

PROGRESSIVE LENTICULAR DEGENERATION see **HEPATOLENTICULAR DEGENERATION**

PROINSULIN

IMMUNOLOGY

Higher molecular weight insulin precursors as autoantigens in type I diabetes. Csorba TR. **Med Hypotheses** 1990 Oct; 33(2):113–6 (28 ref.)

THERAPEUTIC USE

Treatment of NIDDM with insulin agonists or substitutes. Galloway JA. **Diabetes Care** 1990 Dec;13(12):1209–39 (179 ref.)

PROJECTION

Clarification of projective identification. Goldstein WN. **Am J Psychiatry** 1991 Feb;148(2):153–61 (34 ref.)

PROJECTIONS AND PREDICTIONS see **FORECASTING**

PROJECTIVE TECHNIQUES

On the theory and practice of the Staabs' test. An overall view for diagnostic-therapeutic use. Altmann-Herz U. **Acta Paedopsychiatr** 1990;53(1):35–44 (43 ref.)
Cognitive-perceptual theory and the projective use of autobiographical memory. Bruhn AR. **J Pers Assess** 1990 Fall;55(1–2):95–114 (16 ref.)

PROKARYOTIC CELLS

The phylogeny of prokaryotes. Stackebrandt E, et al. **Microbiol Sci** 1984 Aug;1(5):117–22 (17 ref.)

ENZYMOLOGY

Aminoacyl-tRNA synthetase family from prokaryotes and eukaryotes: structural domains and their implications. Mirande M. **Prog Nucleic Acid Res Mol Biol** 1991; 40:95–142 (306 ref.)

METABOLISM

Signal transduction pathways involving protein phosphorylation in prokaryotes. Bourret RB, et al. **Annu Rev Biochem** 1991;60:401–41 (222 ref.)

The homologous glucose transport proteins of prokaryotes and eukaryotes. Henderson PJ. **Res Microbiol** 1990 Mar–Apr;141(3):316–28 (71 ref.)

PHYSIOLOGY

Prokaryotic genetic code. Osawa S, et al. **Experientia** 1990 Dec 1;46(11–12):1097–106 (33 ref.)

Possible intermediate steps in the evolution of a prokaryotic developmental system. Errington J. **Proc R Soc Lond [Biol]** 1991 May 22;244(1310):117–21 (30 ref.)

Is hsp70 the cellular thermometer? Craig EA, et al. **Trends Biochem Sci** 1991 Apr;16(4):135–40 (40 ref.)

[Does an evolutionary kinship exist between the chemosignal systems of eukaryotes and prokaryotes?] Pertseva MN. **Zh Evol Biokhim Fiziol** 1990 Jul–Aug;26(4):505–13 (39 ref.) **(Rus)**

PROLACTIN

Animal model of uterine adenomyosis: is prolactin a potent inducer of adenomyosis in mice? Mori T, et al. **Am J Obstet Gynecol** 1991 Jul;165(1):232–4 (51 ref.)

CHEMISTRY

[The molecular polymorphism of the growth hormone and prolactin and its clinical significance] Bulatov AA. **Probl Endokrinol (Mosk)** 1990 Jul–Aug;36(4):30–5 (25 ref.) **(Rus)**

GENETICS

Prolactin and growth hormone: molecular heterogeneity and measurement in serum. Smith CR, et al. **Ann Clin Biochem** 1990 Nov;27 (Pt 6):542–50 (71 ref.)

METABOLISM

Reproductive peptide hormones: generation, degradation, reception, and action. LaBarbera AR, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):576–90 (21 ref.)

Regulation of the synthesis and release of decidual prolactin by placental and autocrine/paracrine factors. Handwerger S, et al. **Placenta** 1991 Mar–Apr;12(2):121–30 (20 ref.)

PHARMACOLOGY

Hypothalamic-pituitary mediated modulation of immune function: prolactin as a neuroimmune peptide. Chikanza IC, et al. **Br J Rheumatol** 1991 Jun;30(3):203–7 (60 ref.)

PHYSIOLOGY

Autocrine/paracrine regulation of prolactin release from human decidual cells. Handwerger S, et al. **Ann N Y Acad Sci** 1991;622:111–9 (33 ref.)

Prolactin and related peptides in pregnancy. Davis JR. **Baillieres Clin Endocrinol Metab** 1990 Jun;4(2):273–90 (137 ref.)

Neuropsychiatry of prolactin: causes and effects. Sobrinho LG. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):119–42 (125 ref.)

Endometrial prolactin and implantation. Healy DL. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):95–105 (35 ref.)

Actions of pituitary prolactin and insulin-like growth factor II in human breast cancer. Shiu RP, et al. **Cancer Treat Res** 1988;40:167–83 (50 ref.)

Hepatic regeneration. Effects of age, sex hormone status, prolactin, and cyclosporine. Van Thiel DH, et al. **Dig Dis Sci** 1991 Sep;36(9):1309–12 (37 ref.)

Biological and clinical aspects of prolactin receptors (PRL-R) in human breast cancer. Bonneterre J, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):977–81 (49 ref.)

Prolactin action in cystic fibrosis. Robertson MT, et al. **Mater Med Pol** 1990 Apr–Jun;22(2):68–9 (10 ref.)

Prolactin and growth hormone in the regulation of the immune system. Gala RR. **Proc Soc Exp Biol Med** 1991 Oct;198(1):513–27 (133 ref.)

A review of the hormone prolactin during lactation. Ostrom KM. **Prog Food Nutr Sci** 1990;14(1):1–43 (199 ref.)

Prolactin, immunoregulation, and autoimmune diseases. Jara LJ, et al. **Semin Arthritis Rheum** 1991 Apr;20(5):273–84 (93 ref.)

[Endocrinology and therapy of breast diseases] Breckwoldt M. **Zentralbl Gynakol** 1990;112(17):1097–9 (3 ref.) (Eng. Abstr.) **(Ger)**

[Hormonal control of lactation] Aono T. **Nippon Sanka Fujinka Gakkai Zasshi** 1990 Aug; 42(8):867–72 (11 ref.) (Eng. Abstr.) **(Jpn)**

SECRETION

Neuroendocrine control of prolactin secretion: the role of the serotonergic system. Pan JT. **Chin J Physiol** 1991; 34(1):45–64 (89 ref.)

Hyperprolactinemic disorders. Katz E, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):622–39 (116 ref.)

Opioid modulation of gonadotropin and prolactin secretion in domestic farm animals. Barb CR, et al. **Domest Anim Endocrinol** 1991 Jan;8(1):15–27 (105 ref.)

Control of prolactin secretion. Benker G, et al. **Klin Wochenschr** 1990 Dec 4;68(23):1157–67 (129 ref.)

The treatment of prolactin-secreting pituitary adenomas. An update. Limone P, et al. **Panminerva Med** 1990 Apr–Jun; 32(2):56–60 (32 ref.)

[Regulation of prolactin secretion at the cellular level] Bilinski M, et al. **Acta Physiol Pharmacol Latinoam** 1990; 40(4):437–98 (525 ref.) (Eng. Abstr.) **(Spa)**

PROLACTIN-PRODUCING PITUITARY ADENOMA see **PROLACTINOMA**

PROLACTIN RECEPTORS see **RECEPTORS, PROLACTIN**

PROLACTINOMA

see related
HYPERPROLACTINEMIA

DIAGNOSIS

Malignant prolactinomas. Popovic EA, et al. **Neurosurgery** 1991 Jul;29(1):127–30 (20 ref.)

Diagnosis of pituitary adenomas and pituitary insufficiency. Hagen C, et al. **Scand J Clin Lab Invest Suppl** 1990; 202:99–102 (13 ref.)

DRUG THERAPY

[Therapy of micro- and macroprolactinoma. Must dopamine agonists be given lifelong?] von Werder K. **Dtsch Med Wochenschr** 1991 Jan 4;116(1):25–7 (17 ref.) **(Ger)**

[Medical treatment of prolactin-secreting hypophyseal adenoma] Limone P, et al. **Minerva Endocrinol** 1990 Jan–Mar;15(1):3–8 (20 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

[Prolactinoma and pregnancy] Gangemi M. **Minerva Endocrinol** 1990 Jan–Mar;15(1):9–11 (16 ref.) (Eng. Abstr.) **(Ita)**

SURGERY

Transsphenoidal hypophysectomy: a critical review. Siegel MB, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1990; 42:1002–7 (20 ref.)

THERAPY

Management of prolactinomas. Cunnah D, et al. **Clin Endocrinol (Oxf)** 1991 Mar;34(3):231–5 (23 ref.)

PROLAPSED DISK see **INTERVERTEBRAL DISK DISPLACEMENT**

PROLIFERATIVE PHASE see **MENSTRUAL CYCLE**

PROLINE

CHEMISTRY

Proline residues in transmembrane helices: structural or dynamic role? Williams KA, et al. **Biochemistry** 1991 Sep 17;30(37):8919–23 (59 ref.)

METABOLISM

Proline-directed protein phosphorylation and cell cycle regulation. Hall FL, et al. **Curr Opin Cell Biol** 1991 Apr; 3(2):176–84 (55 ref.)

PHARMACOKINETICS

[Study of the major proline transport system in Escherichia coli] Yamato I. **Seikagaku** 1990 Aug;62(8):1020–30 (73 ref.) **(Jpn)**

PROLONGED-ACTION PREPARATIONS see **DELAYED-ACTION PREPARATIONS**

PROLYL-LEUCYL-GLYCINAMIDE see **MSH RELEASE INHIBITING HORMONE**

PROM (PREGNANCY) see **FETAL MEMBRANES, PREMATURE RUPTURE**

PROMOTER (GENETICS) see **PROMOTER REGIONS (GENETICS)**

PROMOTER REGIONS (GENETICS)

The DMD gene promoter: a potential role in gene therapy. Ray PN, et al. **Adv Exp Med Biol** 1990;280:107–11; discussion 111–2 (10 ref.)

Promoter function and in situ protein/DNA interactions upstream of the yeast HSP90 heat shock genes. Gross DS, et al. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):175–86 (47 ref.)

Expression of a human multidrug-resistance cDNA (MDR1) under the control of a beta-actin promoter in transgenic mice. Galski H, et al. **Biotechnology** 1991;16:103–24 (38 ref.)

Transcriptional control—lessons from an E. coli promoter data base. Gralla JD. **Cell** 1991 Aug 9;66(3):415–8 (18 ref.)

Expression of animal and human retroviral gene products in Escherichia coli with the lambda PL promoter pJL6 vector system. Samuel KP, et al. **Genet Anal Tech Appl** 1990 Nov;7(7):178–208 (108 ref.)

Phenotype suppression: a postulated molecular mechanism for mediating the relationship of proliferation and differentiation by Fos/Jun interactions at AP-1 sites in steroid responsive promoter elements of tissue-specific genes. Lian JB, et al. **J Cell Biochem** 1991 Jan;45(1):9–14 (38 ref.)

Local DNA topology and gene expression: the case of the leu-500 promoter. Lilley DM, et al. **Mol Microbiol** 1991 Apr;5(4):779–83 (24 ref.)

GENETICS

Expression of the uteroglobin promoter in epithelial cell lines from endometrium. Helftenbein G, et al. **Ann N Y Acad Sci** 1991;622:69–79 (28 ref.)

[Expression of eukaryotic rDNA genes] Swat W, et al. **Postepy Biochem** 1990;36(1–2):4–13 (82 ref.) **(Pol)**

PROMOTION OF HEALTH see **HEALTH PROMOTION**

PROMYELOCYTES see **GRANULOCYTES**

PROMYELOCYTIC LEUKEMIA, ACUTE see **LEUKEMIA, PROMYELOCYTIC, ACUTE**

PRONORMOBLASTS see **ERYTHROBLASTS**

PRO-OPIOCORTIN see **PRO-OPIOMELANOCORTIN**

PRO-OPIOMELANOCORTIN

BIOSYNTHESIS

[Current findings in the regulation of formation of corticoliberin, pro-opiomelanocortin and ACTH as well as the efficacy of these compounds] Kolb E. **Z Gesamte Inn Med** 1990 Jul 15;45(14):397–402 (63 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

A novel biochemical model linking dysfunctions in brain melatonin, proopiomelanocortin peptides, and serotonin in autism. Chamberlain RS, et al. **Biol Psychiatry** 1990 Nov 1;28(9):773–93 (150 ref.)

A possible role of proopiomelanocortin peptides in self-injurious behavior. Herman BH. **Prog Neuropsychopharmacol Biol Psychiatry** 1990;14 Suppl:S109–39 (144 ref.)

PROPAFENONE

[Class Ic antiarrhythmic drugs—flecainide and propafenone] Sagie A, et al. **Harefuah** 1990 Jul;119(1–2):39–43 (43 ref.) **(Heb)**

PHARMACOLOGY

Significance of classifying antiarrhythmic actions since the cardiac arrhythmia suppression trial. Vaughan Williams EM. **J Clin Pharmacol** 1991 Feb;31(2):123–35 (59 ref.)

THERAPEUTIC USE

Propafenone for malignant ventricular arrhythmia: an analysis of the literature. Hernandez M, et al. **Am Heart J** 1991 Apr;121(4 (Pt 1)):1178–84 (56 ref.)

Class IC drugs: propafenone and flecainide. Puech P, et al. **Cardiovasc Drugs Ther** 1990 Jun;4 Suppl 3:549–53 (22 ref.)

PROPANEDIAL see **MALONDIALDEHYDE**

PROPANEDIOLS

ADVERSE EFFECTS

Propylene glycol dermatitis. Catanzaro JM, et al. **J Am Acad Dermatol** 1991 Jan;24(1):90–5 (51 ref.)

PROPANOL see **ALCOHOL, PROPYL**

PROPANOLAMINES

Celiprolol. An updated review of its pharmacodynamic and pharmacokinetic properties, and therapeutic efficacy in cardiovascular disease. Milne RJ, et al. **Drugs** 1991 Jun; 41(6):941–69 (136 ref.)

PHARMACOLOGY

Vasodilatory beta-blockers: systemic and regional hemodynamic effects. Frohlich ED. **Am Heart J** 1991 Mar; 121(3 (Pt 2)):1012–6; discussion 1016–7 (48 ref.)

Effects of celiprolol and other antihypertensive agents on serum lipids and lipoproteins. Hunninghake DB. **Am Heart J** 1991 Feb;121(2 (Pt 2)):696–701 (48 ref.)
Clinical pharmacology of vasodilatory beta-blocking drugs. Shanks RG. **Am Heart J** 1991 Mar;121(3 (Pt 2)):1006–11 (37 ref.)

THERAPEUTIC USE

Clinical perspective on celiprolol: cardioprotective potential. Frishman WH. **Am Heart J** 1991 Feb;121(2 (Pt 2)):724–9 (34 ref.)
A review of the clinical experience with celiprolol in angina. McLenachan JM, et al. **Am Heart J** 1991 Feb;121(2 (Pt 2)):688–90 (11 ref.)
Selective beta-1-adrenoceptor partial agonist treatment for congestive heart failure. Shabetai R. **Cardiology** 1990; 77(5):357–66 (34 ref.)
Evaluation of celiprolol, a new cardioselective beta 1-adrenergic blocker with vasodilating properties, in the treatment of mild to moderate hypertension in the elderly. Lamon KD. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1291–5 (30 ref.)
Efficacy of celiprolol in hypertension and angina pectoris. Introduction. Norris RJ. **Cardiovasc Drugs Ther** 1991 Jan; 4 Suppl 6:1195–6 (26 ref.)

PROPENYLACRYLIC ACID see SORBIC ACID

PROPHAGE EXCISION see VIRUS ACTIVATION

PROPHAGE INDUCTION see VIRUS ACTIVATION

PROPHAGE INTEGRATION see LYSOGENY

PROPIONIBACTERIUM

IMMUNOLOGY

Immunomodulation by propionibacteria. Roszkowski W, et al. **Int J Med Microbiol** 1990 Dec;274(3):289–98 (63 ref.)

PROPIOPHENONES

Bupropion: overview and prescribing guidelines in depression. James WA, et al. **South Med J** 1991 Feb; 84(2):222–4 (12 ref.)

PROPITOCAINE see PRILOCAINE

PROPOFOL

[Diastolic pressure as a measure of the depth of anesthesia in continuous infusion with propofol] Melloni C, et al. **Minerva Anestesiol** 1990 Jul-Aug;56(7–8):386–8 (2 ref.) **(Ita)**

ADVERSE EFFECTS

[Propofol and adrenal function] Mastronardi P, et al. **Minerva Anestesiol** 1990 Jul-Aug;56(7–8):404–7 (5 ref.) **(Ita)**

[Respiratory effects of propofol] Rosa G. **Minerva Anestesiol** 1990 Jul-Aug;56(7–8):393–5 (8 ref.) **(Ita)**

PHARMACOLOGY

Pharmacology of propofol. Lee TL. **Ann Acad Med Singapore** 1991 Jan;20(1):61–5 (56 ref.)

PROPRANOLOL

ADMINISTRATION & DOSAGE

[Chemotherapy of portal hypertension] Geller LI. **Klin Med (Mosk)** 1991 Apr;69(4):28–32 (58 ref.) **(Rus)**

PHARMACOKINETICS

Chronopharmacokinetics and chronopharmacodynamics of cardiovascular active drugs. Propranolol, organic nitrates, nifedipine. Lemmer B, et al. **Ann N Y Acad Sci** 1991; 618:166–81 (40 ref.)

PHARMACOLOGY

[Effect of beta-adrenergic blockade on glucose homeostasis in insulin-induced hypoglycemia during physiological processes in diabetes mellitus] Szelachowska M. **Pol Tyg Lek** 1990 May 7–14;45(19–20):397–400 (49 ref.) **(Pol)**

THERAPEUTIC USE

[Use of certain cardiological drugs in the treatment of schizophrenia: review of the literature] Llorca PM, et al. **J Psychiatry Neurosci** 1991 Mar;16(1):19–24 (52 ref.) **(Fre)**

PROPRIOCEPTION

PHYSIOLOGY

A critical review of Luneburg's model with regard to global structure of visual space. Indow T. **Psychol Rev** 1991 Jul; 98(3):430–53 (125 ref.)

PROPTOSIS see EXOPHTHALMOS

PROPYLENE GLYCOLS see PROPANEDIOLS

PROPYLTHIOURACIL

ADVERSE EFFECTS

Unusual complications of antithyroid drug therapy: four case reports and review of literature. Baker B, et al. **Thyroidol Clin Exp** 1989 Apr;1(1):17–26 (88 ref.)

PROSPECTIVE PAYMENT SYSTEM

ORGANIZATION & ADMINISTRATION

All-payer rate-setting and the provision of hospital care to the uninsured: the New Jersey experience. Rosko MD. **J Health Polit Policy Law** 1990 Winter;15(4):815–31 (31 ref.)

PROSPECTIVE PRICING see PROSPECTIVE PAYMENT SYSTEM

PROSPECTIVE REIMBURSEMENT see PROSPECTIVE PAYMENT SYSTEM

PROSPECTIVE STUDIES

Long-term prospective studies: the only solution? Kromhout D, et al. **Ann Nutr Metab** 1991;35 Suppl 1:93–7 (10 ref.)

PROSTACYCLINS see EPOPROSTENOL

PROSTAGLANDIN ANALOGS see PROSTAGLANDINS, SYNTHETIC

PROSTAGLANDIN ANTAGONISTS

PHARMACOLOGY

[Therapy of arterial occlusive disease] Bollinger A. **Verh Dtsch Ges Inn Med** 1990;96:702–6 (22 ref.) **(Ger)**
[New drugs for the inhibition of the pro-thrombotic effects of prostaglandins and thromboxane A2] Patscheke H. **Verh Dtsch Ges Inn Med** 1990;96:696–702 (13 ref.) **(Ger)**

THERAPEUTIC USE

Prostaglandin inhibitors in the treatment of nephrotic syndrome. Bergstein JM. **Pediatr Nephrol** 1991 May; 5(3):335–8 (29 ref.)
[Anti-prostaglandin agents in obstetrics] Gaucherand P, et al. **Rev Fr Gynecol Obstet** 1990 Oct;85(10):557–60 (5 ref.) (Eng. Abstr.) **(Fre)**

PROSTAGLANDIN D2

PHARMACOLOGY

Prostaglandin J2—anti-tumour and anti-viral activities and the mechanisms involved. Fukushima M. **Eicosanoids** 1990; 3(4):189–99 (147 ref.)

PHYSIOLOGY

Molecular mechanisms of sleep-wake regulation: roles of prostaglandins D2 and E2. Hayaishi O. **FASEB J** 1991 Aug; 5(11):2575–81 (53 ref.)

PROSTAGLANDIN E ANALOGS see PROSTAGLANDINS E, SYNTHETIC

PROSTAGLANDIN E1 see ALPROSTADIL

PROSTAGLANDIN E2 see DINOPROSTONE

PROSTAGLANDIN E2ALPHA see DINOPROSTONE

PROSTAGLANDIN ENDOPEROXIDE SYNTHETASE see PROSTAGLANDIN SYNTHASE

PROSTAGLANDIN F2 see DINOPROST

PROSTAGLANDIN F2ALPHA see DINOPROST

PROSTAGLANDIN H SYNTHASE see PROSTAGLANDIN SYNTHASE

PROSTAGLANDIN INHIBITORS see PROSTAGLANDIN ANTAGONISTS

PROSTAGLANDIN RECEPTORS see RECEPTORS, PROSTAGLANDIN

PROSTAGLANDIN SYNTHASE

BIOSYNTHESIS

Prostaglandin endoperoxide synthase: regulation of enzyme expression. DeWitt DL. **Biochim Biophys Acta** 1991 May 8;1083(2):121–34 (112 ref.)

METABOLISM

Regulation of eicosanoid biosynthesis in endothelial cells: critical role of de novo synthesis of prostaglandin endoperoxide synthase. Wu KK. **Adv Exp Med Biol** 1990; 281:297–301 (29 ref.)
Prostaglandin endoperoxide synthase: structure and catalysis. Smith WL, et al. **Biochim Biophys Acta** 1991 Apr 24; 1083(1):1–17 (135 ref.)
Role of prostaglandin-H synthase in mediating genotoxic and carcinogenic effects of estrogens. Degen GH. **Environ Health Perspect** 1990 Aug;88:217–23 (38 ref.)
Prostaglandin synthase-mediated metabolism of carcinogens and a potential role for peroxyl radicals as reactive intermediates. Marnett LJ. **Environ Health Perspect** 1990 Aug;88:5–12 (91 ref.)
Labour: a process dependent upon prostaglandin G/H synthase. Rice GE. **Reprod Fertil Dev** 1990;2(5):523–33 (81 ref.)

PROSTAGLANDIN SYNTHESIS ANTAGONISTS see ANTI-INFLAMMATORY AGENTS, NON-STEROIDAL

PROSTAGLANDIN SYNTHETASE see PROSTAGLANDIN SYNTHASE

PROSTAGLANDINS

Mifepristone (RU486) alone or in combination with a prostaglandin analogue for termination of early pregnancy: a review. Avrech OM, et al. **Fertil Steril** 1991 Sep; 56(3):385–93 (79 ref.)
[Prostaglandins in the etiology and treatment of pulmonary hypertension] Konopleva LF, et al. **Kardiologiia** 1990 Sep; 30(9):92–5 (75 ref.) **(Rus)**

ADMINISTRATION & DOSAGE

Non-invasive methods for termination of second trimester pregnancy. Bygdeman M. **Baillieres Clin Obstet Gynaecol** 1990 Jun;4(2):351–9 (24 ref.)
Medical management of abnormal pregnancy. Ratnam SS, et al. **Baillieres Clin Obstet Gynaecol** 1990 Jun;4(2):361–74 (34 ref.)

BIOSYNTHESIS

The role of phospholipase A2 activating protein (PLAP) in regulating prostanoid production in smooth muscle and endothelial cells following leukotriene D4 treatment. Clark MA, et al. **Adv Exp Med Biol** 1990;275:125–44 (11 ref.)
Biosynthesis of prostaglandins. Lands WE. **Annu Rev Nutr** 1991;11:41–60 (115 ref.)

IMMUNOLOGY

Inflammatory mediators and interstitial cystitis. Felsen D, et al. **Semin Urol** 1991 May;9(2):102–7 (50 ref.)

METABOLISM

Relationship between the prostaglandin cascade and virus infection. Ongrádi J, et al. **Acta Virol (Praha)** 1990 Aug; 34(4):380–400 (131 ref.)
Prostaglandins in adipose tissue—with special reference to triglyceride metabolism. Richelsen B. **Dan Med Bull** 1991 Jun;38(3):228–44 (198 ref.)
Lipo-prostaglandin preparations. Mizushima Y. **Prostaglandins Leukot Essent Fatty Acids** 1991 Jan; 42(1):1–6 (35 ref.)
Platelet-activating factor (PAF) and its relation to prostaglandins, leukotrienes and other aspects of arachidonate metabolism. Peplow PV, et al. **Prostaglandins Leukot Essent Fatty Acids** 1990 Oct; 41(2):71–82 (159 ref.)
Prostaglandins and the biological control of cervical function. Calder AA, et al. **Reprod Fertil Dev** 1990;2(5):459–65 (53 ref.)
Progesterone receptor antagonists and prostaglandins in human fertility regulation: a clinical review. Healy DL. **Reprod Fertil Dev** 1990;2(5):477–90 (51 ref.)
Regulation of endometrial prostaglandins during the menstrual cycle and in early pregnancy. Salamonsen LA, et al. **Reprod Fertil Dev** 1990;2(5):443–57 (133 ref.)

PHARMACOLOGY

Effect of cyclopentenone prostaglandins on glutathione biosynthesis. Hirata M, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:859–62 (14 ref.)
Induction of heat shock protein synthesis by prostaglandins with antineoplastic and antiviral activity. Santoro MG, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:867–74 (22 ref.)
Pretreatment of the cervix prior to surgical evacuation of the uterus in the late first and early second trimester of pregnancy. Herczeg J. **Baillieres Clin Obstet Gynaecol** 1990 Jun;4(2):307–25 (45 ref.)
Interactions between non-steroidal anti-inflammatory drugs and H2-receptor antagonists or prostaglandin analogues. Dixon JS, et al. **Rheumatol Int** 1991;11(1):13–8 (35 ref.)

PHYSIOLOGY

Role of prostaglandins in pre-eclampsia. Toppozada MK. **Acta Obstet Gynecol Scand** 1990;69(5):375-7 (11 ref.)

Prostaglandins, glutathione metabolism, and lipid peroxidation in relation to inflammation in bovine mastitis. Atroshi F, et al. **Adv Exp Med Biol** 1990;264:203-7 (11 ref.)

Role of prostaglandins in NSAID-induced renal dysfunction. Toto RD. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:967-74 (19 ref.)

Prostaglandins, oviducal function, and parturient behavior in nonmammalian vertebrates. Guillette LJ Jr, et al. **Am J Physiol** 1991 May;260(5 Pt 2):R854-61 (72 ref.)

Prejunctional control of excitatory neuroeffector transmission by prostaglandins in the airway smooth muscle tissue. Ito Y. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S6-10 (39 ref.)

Uterine contractility and interaction between prostaglandins and antiprogestins. Clinical implications. Bygdeman M, et al. **Ann N Y Acad Sci** 1991;626:561-7 (28 ref.)

Prostaglandins and the release of the adrenergic transmitter. Malik KU, et al. **Ann N Y Acad Sci** 1990;604:222-36 (72 ref.)

The endocrinology of implantation and early pregnancy. Bonney RC, et al. **Baillieres Clin Endocrinol Metab** 1990 Jun;4(2):207-31 (141 ref.)

The role of prostaglandins in implantation. Smith SK. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):73-93 (120 ref.)

Effects of ethanol exposure on the embryo-fetus: experimental considerations, mechanisms, and the role of prostaglandins. Smith GN, et al. **Can J Physiol Pharmacol** 1991 May;69(5):550-69 (173 ref.)

The role of prostaglandins in mediating the effects of angiotensin converting enzyme inhibitors and other antihypertensive drugs. Swartz SL. **Cardiovasc Drugs Ther** 1987;1(1):39-43 (22 ref.)

Role of milk-borne prostaglandins and epidermal growth factor for the suckling mammal. Koldovský O, et al. **J Am Coll Nutr** 1991 Feb;10(1):17-23 (83 ref.)

Cardiac nociceptive reflexes: role of kinins, prostanoids and capsaicin-sensitive afferents. Staszewska-Woolley J, et al. **Pol J Pharmacol Pharm** 1990 May-Jun;42(3):237-47 (39 ref.)

The role of prostaglandins in bone in vivo. Norrdin RW, et al. **Prostaglandins Leukot Essent Fatty Acids** 1990 Nov; 41(3):139-49 (117 ref.)

Aspects of the role of prostaglandins in gastrin histamine regulation of gastric acid secretion. Halter F, et al. **Scand J Gastroenterol Suppl** 1991;180:113-7 (27 ref.)

[Prostaglandins, liver cirrhosis and kidney function] Vladov V, et al. **Vutr Boles** 1991;30(2):28-36 (24 ref.) **(Bul)**

[Prostaglandins and reproduction. I. Physiological aspects] Dray F. **J Gynecol Obstet Biol Reprod (Paris)** 1991; 20(1):7-17 (69 ref.) (Eng. Abstr.) **(Fre)**

[Role of prostaglandins in regulation of kidney function in heart failure] Riegger AJ. **Herz** 1991 Apr;16(2):116-23 (26 ref.) (Eng. Abstr.) **(Ger)**

[Mediators of immunologic inflammation of the respiratory tract] Miadonna A, et al. **Boll Ist Sieroter Milan** 1988; 67(5-6):369-76 (62 ref.) (Eng. Abstr.) **(Ita)**

[Regulation of ovarian growth processes in the light of recent studies] Szymczykiewicz P, et al. **Endokrynol Pol** 1989; 40(6):325-36 (80 ref.) **(Pol)**

[The physiological role and pharmacological correction of the effects of prostanoids and leukotrienes] Chernov IuN, et al. **Farmakol Toksikol** 1990 Nov-Dec;53(6):64-71 (157 ref.) (Eng. Abstr.) **(Rus)**

[Prostaglandins in gynecology and obstetrics] Cano López H. **Ginecol Obstet Mex** 1988 Jun;56:166-9 (24 ref.) (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Kinin/prostaglandin system: its therapeutic value in surgical stress. Hartl WH, et al. **Crit Care Med** 1990 Oct; 18(10):1167-74 (134 ref.)

Gastric cytoprotection. What does it really mean for the prescriber? Guslandi M. **Drugs** 1991 Apr;41(4):507-13 (78 ref.)

Prostaglandins and the treatment of hepatorenal syndrome in cirrhosis. Arroyo V, et al. **J Hepatol** 1990 Sep; 11(2):142-4 (11 ref.)

PROSTAGLANDINS B

PHARMACOLOGY

Phospholipase A2 as a "death trigger" in the aging process. The use of PLA2 inhibitors as antiaging substances. Regelson W, et al. **Ann N Y Acad Sci** 1991;621:262-76 (64 ref.)

Mechanism(s) of cytoprotective and anti-inflammatory activity of PGB1 oligomers: PGBx has potent anti-phospholipase A2 and anti-oxidant activity. Franson RC, et al. **Prostaglandins Leukot Essent Fatty Acids** 1991 Jun;43(2):63-70 (46 ref.)

PROSTAGLANDINS D

BIOSYNTHESIS

Prostaglandin and thromboxane biosynthesis. Smith WL, et al. **Pharmacol Ther** 1991;49(3):153-79 (246 ref.)

PROSTAGLANDINS E

BIOSYNTHESIS

Prostaglandin and thromboxane biosynthesis. Smith WL, et al. **Pharmacol Ther** 1991;49(3):153-79 (246 ref.)

BLOOD

[Current aspects of the clinical course and pathogenesis of migraine (review of the literature)] Kolosova OA, et al. **Zh Nevropatol Psikhiatr** 1991;91(5):104-6 (62 ref.) **(Rus)**

IMMUNOLOGY

The role of inflammatory mediators in the pathogenesis of periodontal disease. Page RC. **J Periodont Res** 1991 May; 26(3 (Pt 2)):230-42 (97 ref.)

PHYSIOLOGY

Role of prostaglandins E in inflammation and immune responses. Zurier RB. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:947-53 (37 ref.)

[Prostaglandins E1 and psychopathogeny of schizophrenia] Soulairac A, et al. **Encephale** 1990 Sep-Oct;16(5):371-4 (16 ref.) (Eng. Abstr.) **(Fre)**

[Immune regulatory importance of prostaglandins E in atopy] Melnik B, et al. **Hautarzt** 1991 Apr;42(4):211-4 (37 ref.) (Eng. Abstr.) **(Ger)**

PROSTAGLANDINS E, SYNTHETIC

ADMINISTRATION & DOSAGE

[Synthetic analog of prostaglandin E2 (enprostil) in the treatment of peptic ulcer] Grigor'ev PIa, et al. **Sov Med** 1991;(3):39-43 (53 ref.) **(Rus)**

THERAPEUTIC USE

[Prostaglandin analogs in ulcer therapy] Hotz J. **Z Gastroenterol Verh** 1991 Mar;26:162-5 (18 ref.) **(Ger)**

PROSTAGLANDINS F

BIOSYNTHESIS

Prostaglandin and thromboxane biosynthesis. Smith WL, et al. **Pharmacol Ther** 1991;49(3):153-79 (246 ref.)

PROSTAGLANDINS I see **EPOPROSTENOL**

PROSTAGLANDINS I2 see **EPOPROSTENOL**

PROSTAGLANDINS, SYNTHETIC

PHARMACOLOGY

Phospholipase A2 as a "death trigger" in the aging process. The use of PLA2 inhibitors as antiaging substances. Regelson W, et al. **Ann N Y Acad Sci** 1991;621:262-76 (64 ref.)

Mechanism(s) of cytoprotective and anti-inflammatory activity of PGB1 oligomers: PGBx has potent anti-phospholipase A2 and anti-oxidant activity. Franson RC, et al. **Prostaglandins Leukot Essent Fatty Acids** 1991 Jun;43(2):63-70 (46 ref.)

PROSTAGLANDINS X see **EPOPROSTENOL**

PROSTATE

Supratrigonal ectopic prostate: case report and review of the literature. Richter S, et al. **Urol Int** 1991;46(1):96-8 (10 ref.)

[Ectopic prostatic polyp preoperatively diagnosed as bladder tumor: a case report] Ishida T, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1337-41 (25 ref.) (Eng. Abstr.) **(Jpn)**

[Two cases of benign polyps of the posterior urethra (ectopic prostatic tissue)] Tada K, et al. **Hinyokika Kiyo** 1990 Jun; 36(6):717-20 (19 ref.) (Eng. Abstr.) **(Jpn)**

CHEMISTRY

Prostate specific antigen: a critical assessment of the most useful tumor marker for adenocarcinoma of the prostate. Oesterling JE. **J Urol** 1991 May;145(5):907-23 (112 ref.)

ENZYMOLOGY

Tumour markers in monitoring the treatment of advanced prostate cancer. Cooper EH, et al. **Prog Clin Biol Res** 1990; 359:65-72; discussion 73-4 (14 ref.)

[Cathepsin D from human prostate] Chiang L, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):159-63 (20 ref.) **(Spa)**

GROWTH & DEVELOPMENT

Mesenchymal-epithelial interactions in the growth and development of the prostate. Cunha GR, et al. **Cancer Treat Res** 1989;46:159-75 (124 ref.)

IMMUNOLOGY

DNA ploidy and prostate-specific antigen as prognostic factors in clinically resectable prostate cancer. Badalament RA, et al. **Cancer** 1991 Jun 15;67(12):3014-23 (51 ref.)

METABOLISM

Concepts of citrate production and secretion by prostate. 1. Metabolic relationships. Costello LC, et al. **Prostate** 1991; 18(1):25-46 (55 ref.)

PATHOLOGY

Aspiration biopsy of the prostate gland: a brief review of collection, fixation, and pattern recognition with special attention to benign and malignant prostatic epithelium. Maksem JA, et al. **Diagn Cytopathol** 1990;6(4):258-66 (13 ref.)

Fine-needle aspiration biopsy of the prostate. Cohen MB, et al. **Pathol Annu** 1991;26 Pt 2:89-108 (67 ref.)

[Immunohistochemistry of the prostate and prostate carcinomas] Wernert N. **Veroff Pathol** 1991;135:1-163 (420 ref.) (Eng. Abstr.) **(Ger)**

[Low-stage prostatic adenocarcinoma and atypical lesions of the prostate] Maganto Pavón E, et al. **Arch Esp Urol** 1990 Nov-Dec;43(9):967-70 (16 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Physiology of the prostate. Frick J, et al. **Infection** 1991;19 Suppl 3:S115-8 (20 ref.)

RADIOGRAPHY

Diagnostic imaging of the male canine reproductive organs. Methods and limitations. Johnston GR, et al. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):553-89 (79 ref.)

ULTRASONOGRAPHY

Applications of prostate ultrasonography. Waterhouse RL, et al. **Aust N Z J Surg** 1991 May;61(5):332-9 (68 ref.)

"State of the art" transrectal ultrasound imaging in the assessment of prostatic disease. Clements R, et al. **Br J Radiol** 1991 Mar;64(759):193-200 (31 ref.)

New developments in transrectal sonography of the prostate. Fleischer AC, et al. **Curr Opin Radiol** 1990 Dec;2(6):777-84 (30 ref.)

[Diagnostic imaging of the prostate] Watanabe H. **Nippon Hinyokika Gakkai Zasshi** 1991 Jan;82(1):1-15 (100 ref.) (Eng. Abstr.) **(Jpn)**

PROSTATECTOMY

Prostatectomy--an open or closed case. Neal DE. **Br J Urol** 1990 Nov;66(5):449-54 (24 ref.)

DNA ploidy and prostate-specific antigen as prognostic factors in clinically resectable prostate cancer. Badalament RA, et al. **Cancer** 1991 Jun 15;67(12):3014-23 (51 ref.)

The role of pathologic variables and hormonal treatment after radical prostatectomy for stage D1 disease. Zincke H. **Oncology (Williston Park)** 1991 Mar;5(3):129-39; discussion 139-40, 142 (37 ref.)

Selection of patients with stage B prostate cancer for radical prostatectomy. Middleton RG, et al. **Urol Clin North Am** 1990 Nov;17(4):779-85 (29 ref.)

Significance and treatment of positive margins or seminal vesicle invasion after radical prostatectomy. Montie JE. **Urol Clin North Am** 1990 Nov;17(4):803-12 (30 ref.)

ADVERSE EFFECTS

The TURP syndrome. Jensen V. **Can J Anaesth** 1991 Jan; 38(1):90-6 (39 ref.)

Postprostatectomy incontinence. Pathophysiology, evaluation, and management. Foote J, et al. **Urol Clin North Am** 1991 May;18(2):229-41 (45 ref.)

Postprostatectomy lithiasis. Haddad FS, et al. **Urol Int** 1991; 46(2):221-31 (52 ref.)

METHODS

The role of radical prostatectomy in the treatment of cancer of the prostate. Lepor H. **Cancer Treat Res** 1989;46:15-34 (99 ref.)

Radical prostatectomy and adjuvant endocrine treatment: a review. Bosch R, et al. **Prog Clin Biol Res** 1990;359:239-47; discussion 249-50 (13 ref.)

Radical prostatectomy in locally confined prostatic carcinoma. Walsh PC. **Prog Clin Biol Res** 1990; 359:199-207; discussion 223-9 (17 ref.)

Male urethral sphincteric anatomy and radical prostatectomy. Myers RP. **Urol Clin North Am** 1991 May;18(2):211-27 (74 ref.)

[A study on local administration of thrombin following transurethral resection of the prostate--clinical investigation with four-way balloon catheter] Izumi H, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1277-85 (22 ref.) (Eng.

Abstr.) (Jpn)
[Diclofenac sodium therapy in irritating micturition syndrome following TUR for benign prostatic hyperplasia] Soler Roselló A, et al. **Arch Esp Urol** 1990 Oct;43(8):831–5 (22 ref.) (Eng. Abstr.) (Spa)

STATISTICS & NUMERICAL DATA

Incidence and outcome of surgery for benign prostatic hyperplasia among residents of Rochester, Minnesota: 1980–87. A population-based study. Stephenson WP, et al. **Urology** 1991;38(1 Suppl):32–42 (32 ref.)

PROSTATIC DISEASES

DIAGNOSIS

[Diagnostic imaging of the prostate] Watanabe H. **Nippon Hinyokika Gakkai Zasshi** 1991 Jan;82(1):1–15 (100 ref.) (Eng. Abstr.) (Jpn)

PATHOLOGY

[Retention cyst of the prostate with projection of hyperplastic tissue: report of a case] Kawakami S, et al. **Hinyokika Kiyo** 1991 Apr;37(4):397–401 (33 ref.) (Eng. Abstr.) (Jpn)

ULTRASONOGRAPHY

"State of the art" transrectal ultrasound imaging in the assessment of prostatic disease. Clements R, et al. **Br J Radiol** 1991 Mar;64(759):193–200 (31 ref.)

PROSTATIC HYPERTROPHY

DRUG THERAPY

The efficacy and safety of terazosin for the treatment of symptomatic BPH. Lepor H, et al. **Prostate** 1991; 18(4):345–55 (12 ref.)

ETIOLOGY

[Benign hypertrophy of the prostate: pathogenic aspects] Páez Borda A, et al. **Arch Esp Urol** 1991 Apr;44(3):229–36 (34 ref.) (Eng. Abstr.) (Spa)

PATHOLOGY

[Low-stage prostatic adenocarcinoma and atypical lesions of the prostate] Maganto Pavón E, et al. **Arch Esp Urol** 1990 Nov–Dec;43(9):967–70 (16 ref.) (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

[Chronobiology of the benign growth of the prostate gland] Ruiz de Burgos y Moreno JE. **An R Acad Nac Med (Madr)** 1990;107(2):223–49 (31 ref.) (Spa)

SURGERY

Medical and nonmedical therapies for benign prostatic hypertrophy. Loughlin KR. **Geriatrics** 1991 Jun; 46(6):26–31, 34 (30 ref.)

Incidence and outcome of surgery for benign prostatic hyperplasia among residents of Rochester, Minnesota: 1980–87. A population-based study. Stephenson WP, et al. **Urology** 1991;38(1 Suppl):32–42 (32 ref.)

[A study on local administration of thrombin following transurethral resection of the prostate—clinical investigation with four-way balloon catheter] Izumi H, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1277–85 (22 ref.) (Eng. Abstr.) (Jpn)

[Transureteral resection of the prostate. Review of 20 consecutive operations (5 yr)] Martínez Bengoechea J, et al. **Arch Esp Urol** 1991 Apr;44(3):265–70 (32 ref.) (Eng. Abstr.) (Spa)

[Diclofenac sodium therapy in irritating micturition syndrome following TUR for benign prostatic hyperplasia] Soler Roselló A, et al. **Arch Esp Urol** 1990 Oct;43(8):831–5 (22 ref.) (Eng. Abstr.) (Spa)

THERAPY

Benign prostatic hypertrophy. O'Brien WM. **Am Fam Physician** 1991 Jul;44(1):162–71 (14 ref.)

Prostatic urethroplasty with balloon catheter as a nonsurgical alternative for benign prostatic hyperplasia. Castaneda F, et al. **Radiol Clin North Am** 1991 May;29(3):591–603 (32 ref.)

Medical management of benign prostatic hyperplasia. Kane MM, et al. **Urology** 1990 Nov;36(5 Suppl):5–12 (48 ref.)

Endocrine treatment of benign prostatic hypertrophy: current concepts. Matzkin H, et al. **Urology** 1991 Jan;37(1):1–16 (202 ref.)

[Prostatic adenomas and their treatment in 1990] Bonnet P, et al. **Rev Med Liege** 1991 Feb;46(2):45–57 (72 ref.) (Fre)

[Non-surgical treatment of prostatic hyperplasia] Srougi M. **AMB Rev Assoc Med Bras** 1990 Jan–Mar;36(1):11–4 (20 ref.) (Por)

PROSTATIC NEOPLASMS

Prostatic cancer. An overview. Denis L, et al. **Acta Oncol** 1990;29(5):665–77 (65 ref.)

The diagnosis and treatment of prostate cancer. Andriole GL, et al. **Annu Rev Med** 1991;42:9–15 (5 ref.)

Small cell carcinoma of the urinary tract. Yu DS, et al. **Br J Urol** 1990 Dec;66(6):590–5 (40 ref.)

Update: prostate cancer. Fukuda CS, et al. **Compr Ther** 1990 Nov;16(11):15–25 (42 ref.)

Prostatic cancer—immunohistochemistry of steroid hormone receptors. Wernert N, et al. **Curr Top Pathol** 1991;83:475–94 (117 ref.)

Cancer of the prostate—an overview. Roy JB. **J Okla State Med Assoc** 1990 Dec;83(12):591–3 (21 ref.)

Magnetic resonance imaging diagnosis of an intracranial metastasis of adenocarcinoma of the prostate: case report. Capito PR, et al. **Md Med J** 1991 Feb;40(2):113–5 (10 ref.)

Carcinoma of the prostate [see comments] Gittes RF. **N Engl J Med** 1991 Jan 24;324(4):236–45 (150 ref.) Comment in: N Engl J Med 1991 Jun 27;324(26):1892–3.

Time-dependent prognostic factors in advanced prostatic cancer. Suciu S, et al. **Prog Clin Biol Res** 1990;357:203–15 (23 ref.)

Current status of cancers of the bladder and prostate. Jacobs SC, et al. **Trans Assoc Life Insur Med Dir Am** 1991; 74:144–51 (18 ref.)

[Prostatic location as the manifestation of lymphoma] de Gennes C, et al. **Ann Urol (Paris)** 1990;24(7):545–7 (5 ref.) (Eng. Abstr.) (Fre)

[Mediastinal adenopathy and cancer of the prostate] Boyer L, et al. **Rev Mal Respir** 1991;8(1):115–7 (9 ref.) (Eng. Abstr.) (Fre)

[Combination of malignant tumors of the genitourinary system in the same patient: testicular seminoma, renal adenocarcinoma and adenocarcinoma of the prostate] Lioy Lupis MT, et al. **Arch Esp Urol** 1991 Jan–Feb;44(1):73–5 (12 ref.) (Eng. Abstr.) (Spa)

BLOOD

The present role of prostatic specific antigen (PSA) as a tumor marker in carcinoma of the prostate. Parra RO. **Mo Med** 1991 Jun;88(6):349–52 (18 ref.)

Tumour markers in monitoring the treatment of advanced prostate cancer. Cooper EH, et al. **Prog Clin Biol Res** 1990; 359:65–72; discussion 73–4 (14 ref.)

CHEMISTRY

Prostatic specific antigen in diagnosis and management of prostate cancer. Lange PH. **Urology** 1990 Nov;36(5 Suppl):25–9 (24 ref.)

COMPLICATIONS

[Recurrent thrombocytopenic thrombotic purpura associated to prostatic cancer. A case] Cherin P, et al. **Presse Med** 1991 Jun 15;20(23):1073–7 (25 ref.) (Eng. Abstr.) (Fre)

[Hypercalcemia in cancers of the prostate. Apropos of 4 cases] Assouline C, et al. **Rev Rhum Mal Osteoartic** 1991 Mar;58(3):183–6 (21 ref.) (Eng. Abstr.) (Fre)

[Exophthalmos caused by orbital metastasis of prostatic carcinoma] Romero Pérez P, et al. **Arch Esp Urol** 1991 Mar;44(2):191–4 (14 ref.) (Eng. Abstr.) (Spa)

[Cholestasis and prostatic carcinoma. Description of a case and review of paraneoplastic cholestasis] Morís de la Tassa J, et al. **Med Clin (Barc)** 1991 Jan 12;96(1):22–5 (47 ref.) (Eng. Abstr.) (Spa)

DIAGNOSIS

Prostate specific antigen. A review. Brawer MK. **Acta Oncol** 1991;30(2):161–8 (41 ref.)

Alkaline phosphatase. A marker in prostatic cancer? Høisaeter PA. **Acta Oncol** 1991;30(2):171–2 (6 ref.)

Is acid phosphatase (PAP) still justified in the management of prostatic cancer? Kontturi M. **Acta Oncol** 1991; 30(2):169–70 (7 ref.)

Prostatic specific antigen. Shearer RJ. **Br J Urol** 1991 Jan; 67(1):1–5 (28 ref.)

MRI of the prostate. Rifkin MD. **Crit Rev Diagn Imaging** 1990;31(2):223–62 (52 ref.)

The Heinrich Warner Prize 1989: the use of differential hybridization analysis to identify markers for diagnosis of urogenital cancer. Schalken JA. **Eur Urol** 1990;18 Suppl 2:52–7 (33 ref.)

Prostate cancer-associated markers. Chu TM. **Immunol Ser** 1990;53:339–56 (71 ref.)

Routine screening for cancer of the prostate. Gerber GS, et al. **J Natl Cancer Inst** 1991 Mar 6;83(5):329–35 (53 ref.)

Prostate specific antigen: a critical assessment of the most useful tumor marker for adenocarcinoma of the prostate. Oesterling JE. **J Urol** 1991 May;145(5):907–23 (112 ref.)

Prostate-specific antigen: a valuable clinical tool. Oesterling JE. **Oncology (Williston Park)** 1991 Apr;5(4):107–22; discussion 122, 125–6, 128 (75 ref.)

The diagnosis and management of localized prostate cancer. Chodak GW. **Prog Clin Biol Res** 1990;357:1–6 (17 ref.)

History and physical examination in prostate cancer. Which information is essential in diagnosis and follow-up? Newling DW, et al. **Prog Clin Biol Res** 1990;357:151–6 (13 ref.)

Diagnosis and staging of locally confined prostatic cancer. Peeling WB, et al. **Prog Clin Biol Res** 1990;359:181–9; discussion 223–9 (22 ref.)

The role of imaging in prostate cancer. Friedland GW, et al. **Radiol Clin North Am** 1991 May;29(3):581–9 (48 ref.)

Laboratory studies for the detection of carcinoma of the prostate. Brawer MK. **Urol Clin North Am** 1990 Nov; 17(4):759–68 (66 ref.)

Digital rectal examination in the early detection of prostate cancer. Gerber GS, et al. **Urol Clin North Am** 1990 Nov; 17(4):739–44 (27 ref.)

Prostate-specific antigen and prostatic acid phosphatase: biomolecular and physiologic characteristics. Bilhartz DL, et al. **Urology** 1991 Aug;38(2):95–102 (83 ref.)

[The limits of conventional imagery in urology: the prostate and the kidney] Desgrez JP, et al. **Ann Urol (Paris)** 1990; 24(7):593–7 (6 ref.) (Eng. Abstr.) (Fre)

[Prostate-specific antigen (PSA) is a valuable marker—if correctly used] Ekman P. **Lakartidningen** 1991 Jun 12; 88(24):2207–8 (10 ref.) (Swe)

DRUG THERAPY

Adjuvant cytotoxic chemotherapy in association with radical surgery or radical radiation treatment in presumably localized prostatic cancer. Chatelain C. **Acta Oncol** 1991; 30(2):259–62 (8 ref.)

Mechanisms of action and clinical uses of estramustine. Benson R, et al. **Cancer Invest** 1990;8(3–4):375–80 (32 ref.)

Biological basis for chemohormonal therapy for prostatic cancer. Isaacs JT, et al. **Cancer Treat Res** 1989;46:177–93 (57 ref.)

Casodex: preclinical studies. Furr BJ. **Eur Urol** 1990;18 Suppl 3:2–9 (30 ref.)

Therapeutic progress—review XXXVIII. Are we making progress in the treatment of prostate cancer? Carr TW. **J Clin Pharm Ther** 1990 Aug;15(4):247–55 (38 ref.)

Aromatase and other inhibitors in breast and prostatic cancer. Brodie AM, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1043–8 (38 ref.)

Somatostatin analogues in the treatment of breast and prostate cancer. Manni A, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1083–7 (19 ref.)

Long-term treatment with antiandrogens. Rasmussen F. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):917–9 (15 ref.)

Androgen-primed chemotherapy-experimental confirmation of efficacy. Santen RJ, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1115–20 (13 ref.)

Sudden death due to disease flare with luteinizing hormone-releasing hormone agonist therapy for carcinoma of the prostate. Thompson IM, et al. **J Urol** 1990 Dec; 144(6):1479–80 (15 ref.)

Hormone therapy of advanced prostate cancer: where we stand today. Crawford ED, et al. **Oncology (Williston Park)** 1991 Jan;5(1):21–30; discussion 30, 32, 37 (73 ref.)

Objective response criteria in prostate cancer. Akaza H, et al. **Prog Clin Biol Res** 1990;357:193–7 (9 ref.)

Response criteria in research protocols for prostatic cancer. Akaza H. **Prog Clin Biol Res** 1990;357:85–95 (14 ref.)

The prevention of LHRH induced disease flares in patients with metastatic carcinoma of the prostate. Boccon-Gibod L. **Prog Clin Biol Res** 1990;359:125–9; discussion 141–53 (14 ref.)

Radical prostatectomy and adjuvant endocrine treatment: a review. Bosch R, et al. **Prog Clin Biol Res** 1990;359:239–47; discussion 249–50 (13 ref.)

Cyproterone acetate as monotherapy in prospective randomized trials. de Voogt HJ. **Prog Clin Biol Res** 1990; 359:85–91; discussion 105–7 (20 ref.)

Chemotherapy for endocrine resistant cancer of the prostate. Eisenberger MA. **Prog Clin Biol Res** 1990;359:155–64; discussion 177–80 (18 ref.)

Is there a case for total androgen blockade? Iversen P. **Prog Clin Biol Res** 1990;359:109–15; discussion 141–53 (15 ref.)

Scientific background of hormonal treatment of prostate cancer. Klijn JG. **Prog Clin Biol Res** 1990;357:7–22 (67 ref.)

The role of cytoreduction prior to definitive radiotherapy in locally advanced prostate cancer—the Canadian perspective. Porter AT, et al. **Prog Clin Biol Res** 1990; 359:231–7; discussion 249–50 (18 ref.)

Reasons against total androgen suppression. Robinson MR. **Prog Clin Biol Res** 1990;359:117–24; discussion 141–53 (18 ref.)

What is new in endocrine therapy of prostatic cancer? Schröder FH. **Prog Clin Biol Res** 1990;357:45–52 (18 ref.)

Pure antiandrogens as monotherapy in prospective studies of prostatic carcinoma. Schröder FH. **Prog Clin Biol Res** 1990;359:93–103; discussion 105–7 (18 ref.)

Recent developments in medical oncology. Sikov WM, et al. **R I Med J** 1990 Oct;73(10):451–5 (17 ref.)

Antiandrogenic substances in the management of prostatic cancer. Schröder FH. **Recent Results Cancer Res** 1990; 118:163–73 (29 ref.)

Use of cyproterone acetate in prostate cancer. Goldenberg SL, et al. **Urol Clin North Am** 1991 Feb;18(1):111–22 (61 ref.)

Role of 5 alpha-reductase inhibitors in the treatment of advanced prostatic carcinoma. Gormley GJ.

Urol Clin North Am 1991 Feb;18(1):93–8 (30 ref.)

Use of the nonsteroidal anti-androgen Casodex in advanced prostatic carcinoma. Kennealey GT, et al. **Urol Clin North Am** 1991 Feb;18(1):99–110 (43 ref.)

Use of suramin in treatment of prostatic carcinoma refractory to conventional hormonal manipulation. LaRocca RV, et al. **Urol Clin North Am** 1991 Feb;18(1):123–9 (43 ref.)

Future developments of nonhormonal systemic therapy for prostatic carcinoma. Warner JA, et al. **Urol Clin North Am** 1991 Feb;18(1):25–33 (85 ref.)

[Hormonal treatment of metastatic bone cancer] Tubiana-Hulin M. **Rev Rhum Mal Osteoartic** 1990 Nov; 57(11):821–7 (33 ref.) **(Fre)**

[Chemotherapy of prostatic carcinoma] Wirth M, et al. **Urologe [A]** 1991 Jan;30(1):17–24 (103 ref.) (Eng. Abstr.) **(Ger)**

[Effect of tegafur administration combined with hormonal therapy in patients with newly diagnosed stage D prostatic cancer] Kobayashi N, et al. **Hinyokika Kiyo** 1990 Jul; 36(7):793–800 (28 ref.) (Eng. Abstr.) **(Jpn)**

[Hormone therapy of neoplasms] Abe K. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):373–6 (15 ref.) **(Jpn)**

[Results of total androgenic blockade for the treatment of disseminated cancer of the prostate] Miján Ortiz JL, et al. **Actas Urol Esp** 1990 Sep–Oct;14(5):325–9 (21 ref.) (Eng. Abstr.) **(Spa)**

[Use of LHRH agonists in the treatment of advanced cancer of the prostate] Fretin J. **Arch Esp Urol** 1990 Jul–Aug; 43(6):647–9 (24 ref.) (Eng. Abstr.) **(Spa)**

ECONOMICS

Economics of screening for carcinoma of the prostate. Optenberg SA, et al. **Urol Clin North Am** 1990 Nov; 17(4):719–37 (74 ref.)

EPIDEMIOLOGY

The epidemiology of prostatic cancer. Geographical distribution and time-trends. Muir CS, et al. **Acta Oncol** 1991;30(2):133–40 (17 ref.)

Epidemiology of prostate cancer. Meikle AW, et al. **Urol Clin North Am** 1990 Nov;17(4):709–18 (63 ref.)

ETIOLOGY

Energy imbalance and cancer of the breast, colon and prostate. Simopoulos AP. **Med Oncol Tumor Pharmacother** 1990;7(2–3):109–20 (55 ref.)

GENETICS

Growth factors and oncogenes in prostate cancer. Thompson TC. **Cancer Cells** 1990 Nov;2(11):345–54 (103 ref.)

The Heinrich Warner Prize 1989: the use of differential hybridization analysis to identify markers for diagnosis of urogenital cancer. Schalken JA. **Eur Urol** 1990;18 Suppl 2:52–7 (33 ref.)

Oncogene expression in prostate cancer. Schalken JA, et al. **Prog Clin Biol Res** 1990;357:97–105 (52 ref.)

METABOLISM

Growth factors and oncogenes in prostate cancer. Thompson TC. **Cancer Cells** 1990 Nov;2(11):345–54 (103 ref.)

Peptide growth factors: a new frontier in prostate cancer. Habib FK. **Prog Clin Biol Res** 1990;357:107–15 (30 ref.)

[Prostatic cancer and growth factors] Roosen JU. **Ugeskr Laeger** 1990 Oct 8;152(41):2986–7 (30 ref.) (Eng. Abstr.) **(Dan)**

PATHOLOGY

Leiomyosarcoma arising in atypical fibromuscular hyperplasia (phyllodes tumor) of the prostate with distant metastasis. Yum M, et al. **Cancer** 1991 Aug 15;68(4):910–5 (17 ref.)

Aspiration biopsy of the prostate gland: a brief review of collection, fixation, and pattern recognition with special attention to benign and malignant prostatic epithelium. Maksem JA, et al. **Diagn Cytopathol** 1990;6(4):258–66 (13 ref.)

Temporal bone involvement by prostatic adenocarcinoma: report of two cases and review of the literature. Sahin AA, et al. **Head Neck** 1991 Jul–Aug;13(4):349–54 (24 ref.)

The role of pathologic variables and hormonal treatment after radical prostatectomy for stage D1 disease. Zincke H. **Oncology (Williston Park)** 1991 Mar;5(3):129–39; discussion 139–40, 142 (37 ref.)

The staging of M+ disease. Bouffioux C, et al. **Prog Clin Biol Res** 1990;357:185–91 (20 ref.)

Staging of the primary. Denis L, et al. **Prog Clin Biol Res** 1990;357:159–65 (12 ref.)

Lymph node staging of potentially curable prostatic carcinoma. Paulson D, et al. **Prog Clin Biol Res** 1990; 357:167–84 (45 ref.)

Diagnosis and staging of locally confined prostatic cancer. Peeling WB, et al. **Prog Clin Biol Res** 1990;359:181–9; discussion 223–9 (22 ref.)

Retinoic acid and prostatic cancer cell growth. Whelan P. **Prog Clin Biol Res** 1990;357:117–20 (16 ref.)

Flow cytometry in carcinoma of the prostate. Benson MC, et al. **Urol Clin North Am** 1990 Nov;17(4):885–91 (46 ref.)

Management of spinal cord compression secondary to metastatic prostatic carcinoma. Flynn DF, et al. **Urol Clin North Am** 1991 Feb;18(1):145–52 (20 ref.)

Transurethral resection versus needle biopsy prior to radical prostatectomy for stage C prostate cancer. Influence on progression and survival. Nativ O, et al. **Urology** 1991 Jan; 37(1):22–7 (23 ref.)

Squamous cell carcinoma of prostate. Sarma DP, et al. **Urology** 1991 Mar;37(3):260–2 (11 ref.)

[Immunohistochemistry of the prostate and prostate carcinomas] Wernert N. **Veroff Pathol** 1991;135:1–163 (420 ref.) (Eng. Abstr.) **(Ger)**

[Prostatic cancer metastasized into the kidney and kidney cancer metastasized into the lung] Tiszlavicz L, et al. **Orv Hetil** 1991 Jul 14;132(28):1539–42 (30 ref.) (Eng. Abstr.) **(Hun)**

[Penile metastasis of prostatic carcinoma: a case report] Musci R, et al. **Arch Ital Urol Nefrol Androl** 1991 Mar;63(1):173–6 (23 ref.) (Eng. Abstr.) **(Ita)**

[Volumetric and structural changes of prostatic carcinoma under hormonal treatment] Boronat F, et al. **Arch Esp Urol** 1990;43 Suppl 1:97–100 (15 ref.) (Eng. Abstr.) **(Spa)**

[Low-stage prostatic adenocarcinoma and atypical lesions of the prostate] Maganto Pavón E, et al. **Arch Esp Urol** 1990 Nov–Dec;43(9):967–70 (16 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

[Cancer and steroid hormones] Matsumoto K. **Nippon Seikeigeka Gakkai Zasshi** 1990 Nov;64(11):1127–33 (14 ref.) **(Jpn)**

PREVENTION & CONTROL

Prostate cancer: to screen or not to screen. Chodak G. **Acta Oncol** 1991;30(2):285–7 (9 ref.)

Screening for prostate cancer. The U.S. Preventive Services Task Force. **Am Fam Physician** 1990 Oct;42(4):991–4 (33 ref.)

Periodic health examination, 1991 update: 3. Secondary prevention of prostate cancer. Canadian Task Force on the Periodic Health Examination. **Can Med Assoc J** 1991 Sep 1;145(5):413–28 (226 ref.)

Screening for prostatic carcinoma. Hinman F Jr. **J Urol** 1991 Jan;145(1):126–9; discussion 129–30 (43 ref.)

PSYCHOLOGY

Assessment of quality of life and subjective response criteria in patients with prostatic cancer. Fossá SD, et al. **Prog Clin Biol Res** 1990;357:199–202 (19 ref.)

RADIOGRAPHY

[Metastatic localization in the buccal cavity. Case report and literature review] Chossegros C, et al. **Rev Stomatol Chir Maxillofac** 1991;92(3):160–4 (17 ref.) (Eng. Abstr.) **(Fre)**

[Prostatic invasion by lymphoma] de Sala O'Shea E, et al. **Actas Urol Esp** 1991 Jan–Feb;15(1):90–4 (14 ref.) (Eng. Abstr.) **(Spa)**

RADIOTHERAPY

Radiotherapy or surgery for prostate cancer? Ten and fifteen-year results of external beam therapy. Hanks GE. **Acta Oncol** 1991;30(2):231–7 (28 ref.)

Radiation therapy of prostate carcinoma: thirty year experience at Stanford University. Goffinet DR, et al. **Prog Clin Biol Res** 1990;359:209–22; discussion 223–9 (13 ref.)

The role of cytoreduction prior to definitive radiotherapy in locally advanced prostate cancer—the Canadian perspective. Porter AT, et al. **Prog Clin Biol Res** 1990; 359:231–7; discussion 249–50 (18 ref.)

Combined brachytherapy and external radiotherapy for carcinoma of the prostate. Experience and results. Ciarniello V, et al. **Rays** 1991 Jan–Mar;16(1):24–30 (30 ref.) **(Eng, Ita)**

Local failure and related complications after definitive treatment of carcinoma of the prostate by irradiation or surgery. Schellhammer PF, et al. **Urol Clin North Am** 1990 Nov;17(4):835–51 (105 ref.)

[Iodine-125 seed implantation in the treatment of prostatic carcinoma] Hammer J. **Strahlenther Onkol** 1991 Feb; 167(2):63–81 (209 ref.) (Eng. Abstr.) **(Ger)**

[Interstitial brachytherapy in pelvic neoplasms] Cellini N. **Radiol Med (Torino)** 1990 Oct;80(4):544–53 (119 ref.) **(Ita)**

SURGERY

DNA ploidy and prostate-specific antigen as prognostic factors in clinically resectable prostate cancer. Badalament RA, et al. **Cancer** 1991 Jun 15;67(12):3014–23 (51 ref.)

The role of radical prostatectomy in the treatment of cancer of the prostate. Lepor H. **Cancer Treat Res** 1989;46:15–34 (99 ref.)

Radical prostatectomy and adjuvant endocrine treatment: a review. Bosch R, et al. **Prog Clin Biol Res** 1990;359:239–47; discussion 249–50 (13 ref.)

Radical prostatectomy in locally confined prostatic carcinoma. Walsh PC. **Prog Clin Biol Res** 1990; 359:199–207; discussion 223–9 (17 ref.)

Selection of patients with stage B prostate cancer for radical prostatectomy. Middleton RG, et al. **Urol Clin North Am** 1990 Nov;17(4):779–85 (29 ref.)

Significance and treatment of positive margins or seminal vesicle invasion after radical prostatectomy. Montie JE. **Urol Clin North Am** 1990 Nov;17(4):803–12 (30 ref.)

Management of stage A prostate cancer. Smith JA Jr, et al. **Urol Clin North Am** 1990 Nov;17(4):769–77 (26 ref.)

THERAPY

Treatment of early prostatic cancer. Chodak G. **Acta Oncol** 1991;30(2):243–5 (11 ref.)

Adjuvant endocrine treatment in early prostatic cancer. Schröder FH. **Acta Oncol** 1991;30(2):255–8 (16 ref.)

Prostatic cancer: where do we go from here? Scher H. **Curr Opin Oncol** 1991 Jun;3(3):568–74 (64 ref.)

Predicting biologic potential in prostate cancer [published erratum appears in Curr Opin Oncol 1990 Aug;2(4):following Table of Contents] Scher HI. **Curr Opin Oncol** 1990 Jun;2(3):520–8 (50 ref.)

Prostate cancer. Badalament RA, et al. **Dis Mon** 1991 Apr; 37(4):199–268 (263 ref.)

Controversies in the management of localized and metastatic prostatic cancer. Denis LJ. **Eur J Cancer** 1991;27(3):333–41 (56 ref.)

Carcinoma of the prostate: reasons for endocrine treatment prior to symptomatic metastases. Chisholm GD. **Prog Clin Biol Res** 1990;359:1–6; discussion 15–24 (17 ref.)

The diagnosis and management of localized prostate cancer. Chodak GW. **Prog Clin Biol Res** 1990;357:1–6 (17 ref.)

Reasons for delay of endocrine treatment in cancer of the prostate (until symptomatic metastases occur). Christensen MM, et al. **Prog Clin Biol Res** 1990;359:7–14; discussion 15–24 (4 ref.)

Second line treatment of hormone refractory prostatic cancer patients. Collste LG. **Prog Clin Biol Res** 1990;357:29–37 (18 ref.)

The application of response criteria on reporting treatment results in cancer trials. Kurth K. **Prog Clin Biol Res** 1990; 359:49–64; discussion 73–4 (36 ref.)

Principles of androgen deprivation. Neumann F, et al. **Prog Clin Biol Res** 1990;359:75–83; discussion 105–7 (8 ref.)

Parameters of response and progression in prostate cancer. Newling DW. **Prog Clin Biol Res** 1990;359:25–48; discussion 73–4 (19 ref.)

Hot flushes: mechanism and prevention. Radlmaier A, et al. **Prog Clin Biol Res** 1990;359:131–40; discussion 141–53 (44 ref.)

The management of end-stage carcinoma of the prostate: philosophy and fact. Robinson MR. **Prog Clin Biol Res** 1990;357:39–44 (26 ref.)

EORTC Genitourinary Group: prostate cancer studies. Schröder FH. **Prog Clin Biol Res** 1990;357:73–81 (17 ref.)

Deferred treatment in localized prostatic cancer. Smith PH, et al. **Prog Clin Biol Res** 1990;359:191–7; discussion 223–9 (18 ref.)

Development of hormone refractory tumors: adaption versus clonal selection. Schulze H, et al. **Recent Results Cancer Res** 1990;118:153–62 (49 ref.)

New concepts in the treatment of stage D1 adenocarcinoma of the prostate. Austenfeld MS, et al. **Urol Clin North Am** 1990 Nov;17(4):867–84 (87 ref.)

Current options in the management of clinical stage C prostatic carcinoma. Fallon B, et al. **Urol Clin North Am** 1990 Nov;17(4):853–66 (77 ref.)

Advanced prostatic carcinoma. Early versus late endocrine therapy. Kozlowski JM, et al. **Urol Clin North Am** 1991 Feb;18(1):15–24 (70 ref.)

Physiologic basis of endocrine therapy for prostatic cancer. McConnell JD. **Urol Clin North Am** 1991 Feb;18(1):1–13 (96 ref.)

Local failure after definitive radiation or surgical therapy for carcinoma of the prostate and options for prevention and therapy. Schellhammer PF, et al. **Urol Clin North Am** 1991 Aug;18(3):485–99 (103 ref.)

Castration plus nilutamide vs castration plus placebo in advanced prostate cancer. A review. Du Plessis DJ. **Urology** 1991;37(2 Suppl):20–4 (12 ref.)

[Selected aspects of diagnosis and treatment of prostatic cancer] Skołyszewski J, et al. **Nowotwory** 1990 Oct–Dec; 40(4):229–44 (47 ref.) (Eng. Abstr.) **(Pol)**

ULTRASONOGRAPHY

Ultrasound of the prostate and its use for guided biopsy. Torp-Pedersen S. **Acta Oncol** 1991;30(2):153–4 (8 ref.)

New developments in transrectal sonography of the prostate. Fleischer AC, et al. **Curr Opin Radiol** 1990 Dec;2(6):777–84 (30 ref.)

Current status of transrectal ultrasonography in the detection of prostate cancer. Wilson TM, et al. **Oncology (Williston Park)** 1991 Jan;5(1):73–8; discussion 83 (28 ref.)

Transrectal ultrasonography for the early detection and staging of prostate cancer. Hernandez AD, et al. **Urol Clin North Am** 1990 Nov;17(4):745–57 (31 ref.)

Applications of prostate ultrasonography. Waterhouse RL, et al. **Urology** 1990 Nov;36(5 Suppl):18–24 (66 ref.)

[Indications and applicability of sonography or endosonography in cases of diseases of the bladder and prostate] Lorenz R, et al. **Rontgenblatter** 1990 Oct; 43(10):430–4 (19 ref.) (Eng. Abstr.) **(Ger)**

PROSTATITIS

Prostatitis. Meares EM Jr. **Med Clin North Am** 1991 Mar; 75(2):405–24 (49 ref.)
Nonbacterial prostatitis: a comprehensive review. de la Rosette JJ, et al. **Urol Int** 1991;46(2):121–5 (39 ref.)
[Prostatitis] Lenz LL. **AMB Rev Assoc Med Bras** 1990 Jan–Mar;36(1):21–5 (30 ref.) **(Por)**
[Chronic prostatitis. Current perspectives] Jiménez Cruz JF. **Enferm Infecc Microbiol Clin** 1989 Oct;7(8):440–2 (20 ref.) **(Spa)**

COMPLICATIONS

Prostatic abscess due to histoplasma capsulatum in the acquired immunodeficiency syndrome. Marans HY, et al. **J Urol** 1991 Jun;145(6):1275–6 (29 ref.)

DIAGNOSIS

Diagnosis and treatment of prostatic infections. Schaeffer AJ. **Urology** 1990 Nov;36(5 Suppl):13–7 (17 ref.)
[The modern diagnosis and treatment of chronic nonspecific prostatitis] Simeonov P, et al. **Khirurgiia (Soflia)** 1991; 44(3):30–4 (63 ref.) **(Bul)**

DRUG THERAPY

Acute and chronic bacterial prostatitis: a review of treatment approaches. Kot T, et al. **Compr Ther** 1990 Aug;16(8):54–9 (18 ref.)
Use of quinolones in treatment of prostatitis and lower urinary tract infections. Andriole VT. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):342–50 (71 ref.)
The role of quinolones in the treatment of chronic bacterial prostatitis. Naber KG. **Infection** 1991;19 Suppl 3:S170–7 (62 ref.)
Bacterial prostatitis: new methods of treatment. Aagaard J, et al. **Urology** 1991;37(3 Suppl):4–8 (12 ref.)

ETIOLOGY

Approach to men with urethritis and urologic complications of sexually transmitted diseases. Bowie WR. **Med Clin North Am** 1990 Nov;74(6):1543–57 (17 ref.)

THERAPY

Review of modern trends in the treatment of chronic bacterial prostatitis (C.B.P.). Baert L, et al. **Infection** 1991; 19 Suppl 3:S157–9 (12 ref.)
Diagnosis and treatment of prostatic infections. Schaeffer AJ. **Urology** 1990 Nov;36(5 Suppl):13–7 (17 ref.)

PROSTHESIS

see related
DENTURES
PROSTHODONTICS

Testing the susceptibility of bacteria in biofilms to antibacterial agents. Anwar H, et al. **Antimicrob Agents Chemother** 1990 Nov;34(11):2043–6 (48 ref.)
Artificial sphincters. Mundy AR. **Br J Urol** 1991 Mar; 67(3):225–9 (5 ref.)
Prosthetic anterior cruciate ligament. Friedman MJ. **Clin Sports Med** 1991 Jul;10(3):499–513 (12 ref.)
Prosthetic materials for anterior cruciate ligament reconstruction. Schepsis AA, et al. **Orthop Rev** 1990 Nov; 19(11):984–91 (40 ref.)
Rehabilitation engineering in pediatrics. Milner M, et al. **Pediatrician** 1990;17(4):287–96 (10 ref.)
The development of anterior ligament prostheses. Implications for treatment of sports people. McFarland EG, et al. **Sports Med** 1990 Dec;10(6):405–13 (52 ref.)
[Surgical prevention of radiation injuries of the small intestine] Rodier JF, et al. **Ann Chir** 1990;44(7):499–505; discussion 505–11 (60 ref.) **(Fre)**
[Recent research in prosthetics and orthotics] Watanabe H. **Nippon Seikeigeka Gakkai Zasshi** 1991 Apr;65(4):271–5 (55 ref.) **(Jpn)**
[Esophageal prosthesis] Bermúdez Ruiz H, et al. **Rev Gastroenterol Mex** 1990 Jul–Sep;55(3):143–7 (19 ref.) (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Toxic shock syndrome following insertion of breast prostheses. Olesen LL, et al. **Br J Surg** 1991 May; 78(5):585–6 (12 ref.)
Surgical treatment of septic arthritis and infected prostheses. Hanssen AD. **Curr Opin Rheumatol** 1990 Feb;2(1):154–9 (18 ref.)

PROSTHESIS DESIGN

see related
DENTURE DESIGN

Fitting a prosthesis over phthisis bulbi or discolored blind eyes. Cote RE, et al. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:136–45 (7 ref.)
Empirical impression technique for artificial eye fitting. LeGrand JA Jr, et al. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:118–25 (2 ref.)

PROSTHESIS FAILURE

Mechanical failure of a St. Jude Medical prosthesis. Orsinelli DA, et al. **Am J Cardiol** 1991 Apr 15;67(9):906–8 (7 ref.)

PROSTHESIS LOOSENING see **PROSTHESIS FAILURE**

PROSTHODONTICS

Prosthodontics. Marketing. Review of the literature. Eggleston DW. **J Prosthet Dent** 1990 Sep;64(3):377–81 (14 ref.)
Prosthodontics. Clinical practice—professional affairs. Review of the literature. Landesman HM. **J Prosthet Dent** 1990 Sep;64(3):252–64 (35 ref.)
Prosthodontics. Research. Review of the literature [published erratum appears in J Prosthet Dent 1991 Feb;65(2):324] Smith DE. **J Prosthet Dent** 1990 Sep;64(3):359–67 (111 ref.)
Prosthodontics. Clinical practice—third-party relations. Review of the literature. Van Blarcom C. **J Prosthet Dent** 1990 Sep;64(3):293–310 (46 ref.)

EDUCATION

Predoctoral fixed prosthodontics education. Goodacre CJ. **J Prosthet Dent** 1990 Sep;64(3):319–25 (112 ref.)
Predoctoral removable prosthodontics education. Graser GN. **J Prosthet Dent** 1990 Sep;64(3):326–33 (54 ref.)
Advanced education in prosthodontics. McGivney GP. **J Prosthet Dent** 1990 Sep;64(3):334–41 (11 ref.)
Continuing dental education in prosthodontics. Rudd KD. **J Prosthet Dent** 1990 Sep;64(3):342–5 (7 ref.)

PROSTITUTION

LEGISLATION & JURISPRUDENCE

Psychological and sociological research and the decriminalization or legalization of prostitution. Rio LM. **Arch Sex Behav** 1991 Apr;20(2):205–18 (52 ref.)

PROTAMINE SULFATE see **PROTAMINES**

PROTAMINES

GENETICS

Vertebrate protamine genes and the histone-to-protamine replacement reaction. Oliva R, et al. **Prog Nucleic Acid Res Mol Biol** 1991;40:25–94 (287 ref.)

THERAPEUTIC USE

Heparin and protamine therapy. Arén C. **Semin Thorac Cardiovasc Surg** 1990 Oct;2(4):364–72 (93 ref.)

PROTEASE ANTAGONISTS see **PROTEASE INHIBITORS**

PROTEASE INHIBITORS

Treatment of Alzheimer's disease. Molecular pathology versus neurotransmitter-based therapy. Bowen DM. **Br J Psychiatry** 1990 Sep;157:327–30 (21 ref.)

ANALYSIS

Inflammatory indices for chronic bronchitis and COAD. Proteases and antiproteases. Stockley RA, et al. **Agents Actions Suppl** 1990;30:229–41 (17 ref.)
Role of enzyme receptors and inhibitors in regulating proteolytic activities of macrophages. Chapman HA Jr. **Ann N Y Acad Sci** 1991;624:87–96 (58 ref.)
Investigation of inter-alpha-trypsin inhibitor and slow migrating proteinase inhibitors in serum and urine. Odum L. **Dan Med Bull** 1991 Feb;38(1):68–77 (111 ref.)

BLOOD

[The dynamics of the antiprotease system and of the external respiratory function in chronic bronchitis (a review of the literature)] Pilipchuk VN. **Vrach Delo** 1990 Oct;(10):42–5 (32 ref.) **(Rus)**

CLASSIFICATION

Inter-alpha-trypsin inhibitor: emergence of a family within the Kunitz-type protease inhibitor superfamily. Salier JP. **Trends Biochem Sci** 1990 Nov;15(11):435–9 (32 ref.)

METABOLISM

Proteases and their inhibitors: today and tomorrow. Scharpe S, et al. **Biochimie** 1991 Jan;73(1):121–6 (40 ref.)
Mechanisms of trophoblast invasiveness and their control: the role of proteases and protease inhibitors. Lala PK, et al. **Cancer Metastasis Rev** 1990 Dec;9(4):369–79 (47 ref.)
Proteolytic balance and capillary morphogenesis. Pepper MS, et al. **Cell Differ Dev** 1990 Dec 2;32(3):319–27 (30 ref.)
Recent advances in research on tryptases and endogenous tryptase inhibitors. Katunuma N, et al. **Monogr Allergy** 1990;27:51–66 (23 ref.)
[Proteolytic enzymes and their inhibitors in arthritis] Rudenko VG, et al. **Revmatologiia (Mosk)** 1990 Oct–Dec; (4):42–50 (75 ref.) **(Rus)**

PHARMACOLOGY

HIV-1 protease as a potential target for anti-AIDS therapy. Meek TD, et al. **Ann N Y Acad Sci** 1990;616:41–53 (85 ref.)
Neutral endopeptidase inhibitors and atrial natriuretic peptide. Achilihu G, et al. **J Clin Pharmacol** 1991 Aug; 31(8):758–62 (51 ref.)
[Is local antiproteolytic failure the cause of a prolonged course in various forms of glomerulonephritis?] Kuźniar J, et al. **Wiad Lek** 1990 Jun 1;43(11):521–6 (68 ref.) (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Potential problems in designing elastase inhibitors for therapy. Travis J, et al. **Am Rev Respir Dis** 1991 Jun; 143(6):1412–5 (31 ref.)
The chronically infected cell as a target for the treatment of HIV infection and AIDS. Petteway SR Jr, et al. **Trends Pharmacol Sci** 1991 Jan;12(1):28–34 (38 ref.)
[The use of inhibitors of proteolytic enzymes in bronchopulmonary diseases] Khudzik LB, et al. **Probl Tuberk** 1991;(1):68–71 (57 ref.) **(Rus)**

PROTECTIVE CLOTHING

Personal barrier protection. Harfst SA. **Dent Clin North Am** 1991 Apr;35(2):357–66 (41 ref.)
Common cycling injuries. Management and prevention. Mellion MB. **Sports Med** 1991 Jan;11(1):52–70 (95 ref.)
[Protective gloves. Proven protective measures with a new look] Baumann MA. **Schweiz Monatsschr Zahnmed** 1991; 101(5):596–609 (15 ref.) **(Ger, Fre)**
[Importance of choosing suitable gloves for good protective effect. Disinfectants cause eczema and contact urticaria among health personnel] Fischer T, et al. **Lakartidningen** 1991 Mar 20;88(12):1077, 1079–80 (15 ref.) **(Swe)**

UTILIZATION

The role of barrier precautions in infection control. Goldmann DA. **J Hosp Infect** 1991 Jun;18 Suppl A:515–23 (26 ref.)

PROTECTIVE DEVICES

Personal barrier protection. Harfst SA. **Dent Clin North Am** 1991 Apr;35(2):357–66 (41 ref.)
[Safety of children in cars. Safety systems, their use and misuse possibilities] Madsen LP. **Ugeskr Laeger** 1991 Apr 8;153(15):1037–40 (30 ref.) (Eng. Abstr.) **(Dan)**

PROTEIN A see **STAPHYLOCOCCAL PROTEIN A**

PROTEIN AA see **AMYLOID PROTEIN AA**

PROTEIN BINDING

see related
CARRIER PROTEINS
RADIOLIGAND ASSAY

Methods of drug protein binding determinations. Sebille B. **Fundam Clin Pharmacol** 1990;4 Suppl 2:151s–161s (25 ref.)
Separation procedures used to reveal and follow drug-protein binding. Sebille B, et al. **J Chromatogr** 1990 Oct 12;531:51–77 (110 ref.)
Protein-ligand interaction as a method to study surface properties of proteins. Arakawa T, et al. **Methods Biochem Anal** 1991;35:87–125 (81 ref.)

PHYSIOLOGY

Molecular adhesion phenomena: ligands, receptors, protein domains and motifs. Soria M. **Boll Ist Sieroter Milan** 1989; 68(3):206–13 (64 ref.)

PROTEIN BINDING RADIOASSAY see **RADIOLIGAND ASSAY**

PROTEIN C

ANALYSIS

Plasma anticoagulant system in patients with pulmonary hypertension. Maeda NY, et al. **Braz J Med Biol Res** 1990; 23(3–4):251–4 (21 ref.)

DEFICIENCY

Hereditary protein C deficiency: a review of the genetics, clinical presentation, diagnosis and treatment. Marlar RA, et al. **Blood Coagul Fibrinolysis** 1990 Aug;1(3):319–30 (112 ref.)
Homozygous protein C deficiency in two siblings. Petrini P, et al. **Pediatr Hematol Oncol** 1990;7(2):165–75 (24 ref.)
Neonatal purpura fulminans due to homozygous protein C or protein S deficiencies. Marlar RA, et al. **Semin Thromb Hemost** 1990 Oct;16(4):299–309 (88 ref.)
[Hereditary deficiency of antithrombin III, protein C and protein S. A study of 31 patients from 8 unrelated families] Lefrançois C, et al. **Ann Fr Anesth Reanim** 1990;9(6):485–94 (39 ref.) (Eng. Abstr.) **(Fre)**
[Cutaneous necrosis at the initiation of antivitamin K

treatment disclosing hereditary protein C deficiency] Piffoux M, et al. **Rev Pneumol Clin** 1990;46(3):125–7 (8 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Initiation of the protein C pathway. Esmon CT, et al. **Ann N Y Acad Sci** 1991;614:30–43 (56 ref.)

[A new anticoagulative system--protein C system] Wu MP. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):65–8 (31 ref.) **(Chi)**

[Protein C, protein S and thrombomodulin: one of the natural antithrombotic mechanisms] Lobato-Mendizábal E, et al. **Rev Invest Clin** 1990 Jan–Mar;42(1):54–62 (130 ref.) (Eng. Abstr.) **(Spa)**

PROTEIN-CALORIE MALNUTRITION

COMPLICATIONS

Malnutrition in patients with AIDS. Hecker LM, et al. **Nutr Rev** 1990 Nov;48(11):393–401 (66 ref.)

[Malnutrition and septic complications in cancer of the colon] Nowicki A, et al. **Wiad Lek** 1990 Sep 1–15; 43(17–18):879–83 (25 ref.) (Eng. Abstr.) **(Pol)**

EPIDEMIOLOGY

Protein-energy malnutrition--its epidemiology and control. Latham MC. **J Environ Pathol Toxicol Oncol** 1990 Jul–Oct; 10(4–5):168–80 (40 ref.)

ETIOLOGY

[Nutritional status and its evaluation in patients with cirrhosis of the liver complicated by portal hypertension (review of the literature)] Tsatsanidi KN, et al. **Khirurgiia (Mosk)** 1990 Jul;(7):152–8 (108 ref.) **(Rus)**

IMMUNOLOGY

1990 McCollum Award lecture. Nutrition and immunity: lessons from the past and new insights into the future. Chandra RK. **Am J Clin Nutr** 1991 May;53(5):1087–101 (119 ref.)

Clinical status of nutritional origin involving immune deficiency. Serog P. **Food Addit Contam** 1990;7 Suppl 1:S87–93 (22 ref.)

METABOLISM

Malnutrition and drugs: clinical implications. Mehta S. **Dev Pharmacol Ther** 1990;15(3–4):159–65 (21 ref.)

PHYSIOPATHOLOGY

Renal effects of dietary protein excess and deprivation. Benabe JE, et al. **Semin Nephrol** 1991 Mar;11(2):76–85 (81 ref.)

PREVENTION & CONTROL

[Nutrition of the intensive care patient] Gregor M. **Z Gastroenterol Verh** 1991 Mar;26:35–8 (39 ref.) **(Ger)**

THERAPY

[Medico-biological aspects of the preparation and use of the products for enteral feeding] Vysotskiĭ VG. **Vopr Pitan** 1990 Jul–Aug;(4):11–8 (53 ref.) **(Rus)**

PROTEIN CONFORMATION

Polymer principles in protein structure and stability. Chan HS, et al. **Annu Rev Biophys Biophys Chem** 1991;20:447–90 (150 ref.)

Two-, three-, and four-dimensional NMR methods for obtaining larger and more precise three-dimensional structures of proteins in solution. Clore GM, et al. **Annu Rev Biophys Biophys Chem** 1991;20:29–63 (120 ref.)

Defining solution conformations of small linear peptides. Dyson HJ, et al. **Annu Rev Biophys Biophys Chem** 1991; 20:519–38 (141 ref.)

Computer-aided conformational analysis based on NOESY signal intensities. Andersen NH, et al. **Basic Life Sci** 1990; 56:95–134 (34 ref.)

Molecular modelling of integral membrane proteins. Findlay JB, et al. **Biochem Soc Trans** 1990 Oct;18(5):838–40 (26 ref.)

Dominant forces in protein folding. Dill KA. **Biochemistry** 1990 Aug 7;29(31):7133–55 (339 ref.)

Protein folding: local structures, domains, subunits, and assemblies. Jaenicke R. **Biochemistry** 1991 Apr 2; 30(13):3147–61 (224 ref.)

Domains, motifs, and linkers in 2-oxo acid dehydrogenase multienzyme complexes: a paradigm in the design of a multifunctional protein. Perham RN. **Biochemistry** 1991 Sep 3;30(35):8501–12 (116 ref.)

Proline residues in transmembrane helices: structural or dynamic role? Williams KA, et al. **Biochemistry** 1991 Sep 17;30(37):8919–23 (59 ref.)

The conformational restriction of synthetic vaccines for malaria. Satterthwait AC, et al. **Bull World Health Organ** 1990;68 Suppl:17–25 (41 ref.)

The protein structure code: what is its present status? Garnier J, et al. **Comput Appl Biosci** 1991 Apr;7(2):133–42 (67 ref.)

Heat shock proteins hsp60 and hsp70: their roles in folding, assembly and membrane translocation of proteins. Langer T, et al. **Curr Top Microbiol Immunol** 1991;167:3–30 (157 ref.)

Molten globule intermediates and protein folding. Christensen H, et al. **Eur Biophys J** 1991;19(5):221–9 (51 ref.)

Theoretical studies of protein conformation by means of energy computations. Némethy G, et al. **FASEB J** 1990 Nov;4(14):3189–97 (77 ref.)

Structure of coiled beta-beta-hairpins and beta-beta-corners. Efimov AV. **FEBS Lett** 1991 Jun 24;284(2):288–92 (23 ref.)

How does protein synthesis give rise to the 3D-structure? Ptitsyn OB. **FEBS Lett** 1991 Jul 22;285(2):176–81 (68 ref.)

Measurement of accessibility of protein chromophores by solvent perturbation of their ultraviolet spectra. Laskowski M Jr. **Fed Proc** 1966 Jan–Feb;25(1):20–7 (34 ref.)

Protein structure determination in solution by NMR spectroscopy. Wüthrich K. **J Biol Chem** 1990 Dec 25; 265(36):22059–62 (73 ref.)

Underlying assumptions in the estimation of secondary structure content in proteins by circular dichroism spectroscopy--a critical review. Manning MC. **J Pharm Biomed Anal** 1989;7(10):1103–19 (201 ref.)

The protein-folding problem: the native fold determines packing, but does packing determine the native fold? Behe MJ, et al. **Proc Natl Acad Sci U S A** 1991 May 15; 88(10):4195–9 (58 ref.)

Amphipathic helix motif: classes and properties [published erratum appears in Proteins 1991;9(1):79] Segrest JP, et al. **Proteins** 1990;8(2):103–17 (130 ref.)

Recognition of nascent polypeptides for targeting and folding. Landry SJ, et al. **Trends Biochem Sci** 1991 Apr; 16(4):159–63 (39 ref.)

[Conformational changes in lipoproteins containing apo B: significance of monoclonal antibodies] Harduin P, et al. **Journ Annu Diabetol Hotel Dieu** 1991;:25–34 (30 ref.) **(Fre)**

PROTEIN DEFICIENCY

COMPLICATIONS

[Progress report. What can one expect from a "functional prenatal toxicology?"] Bleyl DW. **Nahrung** 1990; 34(9):843–55 (63 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

[Hereditary deficiency of antithrombin III, protein C and protein S. A study of 31 patients from 8 unrelated families] Lefrançois C, et al. **Ann Fr Anesth Reanim** 1990;9(6):485–94 (39 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

[Morphological and functional adaptation of the small intestine to protein intake. Effect of deprivation and supplemented diets] Czernichow B, et al. **Gastroenterol Clin Biol** 1990;14(12):995–1002 (81 ref.) **(Fre)**

PROTEIN DENATURATION

Denatured states of proteins. Dill KA, et al. **Annu Rev Biochem** 1991;60:795–825 (111 ref.)

Cold denaturation of proteins. Privalov PL. **Crit Rev Biochem Mol Biol** 1990;25(4):281–305 (144 ref.)

PROTEIN ENGINEERING

Genetically engineered and affinity purified plasma proteins. Meulien P, et al. **Baillieres Clin Haematol** 1990 Apr; 3(2):451–77 (101 ref.)

Diphtheria-related peptide hormone gene fusions: a molecular genetic approach to chimeric toxin development. Murphy JR. **Cancer Treat Res** 1988;37:123–40 (51 ref.)

Genetic engineering of immunotoxins. Youle RJ, et al. **Cancer Treat Res** 1988;37:113–22 (48 ref.)

From laboratory to clinic: the development of an immunological reagent. Bright S, et al. **Immunol Today** 1991 Apr;12(4):130–4 (20 ref.)

[From nucleic acids to proteins] Ikehara M. **Yakugaku Zasshi** 1991 Mar;111(3):170–81 (10 ref.) (Eng. Abstr.) **(Jpn)**

METHODS

Learning from the immune system: laboratory methods for creating and refining molecular diversity in polypeptides. Wetzel R. **Protein Eng** 1991 Apr;4(4):371–4 (21 ref.)

PROTEIN-GLUTAMINE GAMMA-GLUTAMYLTRANSFERASE

METABOLISM

Stimulation of phospholipases A2 by transglutaminases. Cordella-Miele E, et al. **Adv Exp Med Biol** 1990;279:105–23 (47 ref.)

PROTEIN HYDROLYSATES

THERAPEUTIC USE

[Medico-biological aspects of the preparation and use of the products for enteral feeding] Vysotskiĭ VG. **Vopr Pitan** 1990 Jul–Aug;(4):11–8 (53 ref.) **(Rus)**

PROTEIN KINASE C

ANALYSIS

Protein kinase C in preovulatory follicles from the hen ovary. Tilly JL, et al. **Domest Anim Endocrinol** 1991 Jan;8(1):1–13 (95 ref.)

GENETICS

Structural and functional diversities of a family of signal transducing protein kinases, protein kinase C family; two distinct classes of PKC, conventional cPKC and novel nPKC. Ohno S, et al. **Adv Enzyme Regul** 1991;31:287–303 (62 ref.)

METABOLISM

Limited proteolysis of protein kinase C by calpain, its possible implication. Kishimoto A. **Adv Second Messenger Phosphoprotein Res** 1990;24:472–7 (16 ref.)

Phorbol ester activation of the isotypes of protein kinase C from bovine and rat brain. Evans FJ, et al. **Biochem Soc Trans** 1991 Apr;19(2):397–402 (32 ref.)

Protein phosphorylation events and changes in inositol metabolism during HL60 cell differentiation. Lord JM, et al. **Biochem Soc Trans** 1991 Apr;19(2):315–20 (13 ref.)

Interplay between insulin signalling and protein kinase C. Grunberger G. **Cell Signal** 1991;3(3):171–7 (52 ref.)

Effect of oestradiol on dopamine receptors and protein kinase C activity in the rat pituitary: binding of oestradiol to pituitary membranes. Joubert-Bression D, et al. **Ciba Found Symp** 1990;153:156–68; discussion 168–71 (28 ref.)

Protease-activated protein kinase C in rat liver. Hashimoto E, et al. **Int J Biochem** 1991;23(5–6):507–12 (70 ref.)

Activation and regulation of protein kinase C enzymes. Nelsestuen GL, et al. **J Bioenerg Biomembr** 1991 Feb; 23(1):43–61 (111 ref.)

Lipid activation of protein kinase C. Bell RM, et al. **J Biol Chem** 1991 Mar 15;266(8):4661–4 (77 ref.)

Lipid activators of protein kinase C. Chauhan VP, et al. **Life Sci** 1990;47(12):981–6 (45 ref.)

Glutamate receptors, protein kinase C translocation, and gangliosides. Vaccarino FM. **Psychopharmacol Bull** 1988; 24(3):403–7 (16 ref.)

The old and the new in transformed cell signalling: glycolysis, diacylglycerol and protein kinase C. Chiarugi V, et al. **Second Messengers Phosphoproteins** 1990; 13(1):69–85 (86 ref.)

Protein kinase C activation by phorbol esters: do cysteine-rich regions and pseudosubstrate motifs play a role? Gschwendt M, et al. **Trends Biochem Sci** 1991 May; 16(5):167–9 (17 ref.)

[Mitogenic signaling pathways of growth factors can be distinguished by the involvement of pertussis toxin-sensitive GTP-binding protein and of protein kinase C] Kohno M. **Seikagaku** 1991 Jun;63(6):415–21 (21 ref.) **(Jpn)**

PHARMACOLOGY

Regulatory functions of protein kinase C in glomerular mesangial cells. Pfeilschifter J. **Klin Wochenschr** 1990 Nov 16;68(22):1134–7 (23 ref.)

PHYSIOLOGY

The role of protein kinase C substrate B-50 (GAP-43) in neurotransmitter release and long-term potentiation. De Graan PN, et al. **Adv Exp Med Biol** 1990;268:347–58 (93 ref.)

The use of diacylglycerol kinase inhibitors for elucidating the roles of protein kinase C. de Chaffoy de Courcelles D. **Adv Second Messenger Phosphoprotein Res** 1990; 24:491–6 (50 ref.)

Roles of GTP-binding proteins and protein kinase C in signal transduction in the platelet. Haslam RJ, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:364–9 (19 ref.)

The heterogeneity of protein kinase C in signal transduction cascade. Ogita K, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:218–23 (8 ref.)

Involvement of the gamma subtype of protein kinase C in GABA release from the cerebellum. Taniyama K, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:399–404 (43 ref.)

The role of protein kinase C in growth control and the concept of carcinogenesis as a progressive disorder in signal transduction. Weinstein IB. **Adv Second Messenger Phosphoprotein Res** 1990;24:307–16 (25 ref.)

Roles of protein kinase C on the mechanical activity of vascular smooth muscles. Itoh T, et al. **Am J Hypertens** 1990 Aug;3(8 Pt 2):216S–219S (31 ref.)

Receptor-mediated stimulation of phosphoinositide metabolism and protein kinase C. Jaken S, et al. **Cancer Cells** 1990 Dec;2(12):401–5 (0 ref.)

'Crosstalk': a pivotal role for protein kinase C in modulating relationships between signal transduction pathways. Houslay MD. **Eur J Biochem** 1991 Jan 1;195(1):9–27 (222 ref.)

Protein kinase C and the regulation of insulin secretion from pancreatic B cells. Jones PM, et al. **J Mol Endocrinol** 1991 Apr;6(2):121–7 (61 ref.)

A role for protein kinase C in associative learning. Olds JL, et al. **New Biol** 1991 Jan;3(1):27–35 (80 ref.)

[Cerebral vasospasm and the protein kinase C–mediated contractile system] Asano T, et al. **No Shinkei Geka** 1991 Mar;19(3):207–19 (104 ref.) **(Jpn)**

[Protein kinases in signalling of T-cell growth] Onoue K, et al. **Ryumachi** 1990 Apr;30(2):133–42 (46 ref.) **(Jpn)**

PROTEIN KINASES

CHEMISTRY

Casein kinase I and II—multipotential serine protein kinases: structure, function, and regulation. Tuazon PT, et al. **Adv Second Messenger Phosphoprotein Res** 1991;23:123–64 (206 ref.)

GENETICS

Patterns of divergence in homologous proteins as indicators of secondary and tertiary structure: a prediction of the structure of the catalytic domain of protein kinases. Benner SA, et al. **Adv Enzyme Regul** 1991;31:121–81 (35 ref.)

Structure, expression, and regulation of protein kinases involved in the phosphorylation of ribosomal protein S6. Erikson RL. **J Biol Chem** 1991 Apr 5;266(10):6007–10 (62 ref.)

Complete coding sequence of a human B-raf cDNA and detection of B-raf protein kinase with isozyme specific antibodies. Sithanandam G, et al. **Oncogene** 1990 Dec; 5(12):1775–80 (33 ref.)

Serine/threonine protein kinases in Drosophila. Siegfried E, et al. **Trends Genet** 1990 Nov;6(11):357–62 (44 ref.)

METABOLISM

New insights into cGMP action. Corbin JD, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:411–8 (24 ref.)

Regulation of brain Ca2+/calmodulin-dependent protein kinase II. Soderling TR, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:206–11 (19 ref.)

Communication between protein tyrosine and protein serine/threonine phosphorylation. Weiel JE, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:182–95 (85 ref.)

Ectoprotein kinase in the regulation of cellular responsiveness to extracellular ATP. Ehrlich YH, et al. **Ann N Y Acad Sci** 1990;603:401–16 (52 ref.)

Intrasteric regulation of protein kinases and phosphatases. Kemp BE, et al. **Biochim Biophys Acta** 1991 Aug 13; 1094(1):67–76 (76 ref.)

Recent progress in characterization of protein kinase cascades for phosphorylation of ribosomal protein S6. Sturgill TW, et al. **Biochim Biophys Acta** 1991 May 17;1092(3):350–7 (68 ref.)

Proline-directed protein phosphorylation and cell cycle regulation. Hall FL, et al. **Curr Opin Cell Biol** 1991 Apr; 3(2):176–84 (55 ref.)

Phosphorylation of transcriptional factors and cell-cycle-dependent proteins by casein kinase II. Meisner H, et al. **Curr Opin Cell Biol** 1991 Jun;3(3):474–83 (86 ref.)

Calcium/calmodulin-dependent protein kinase II. Colbran RJ, et al. **Curr Top Cell Regul** 1990;31:181–221 (172 ref.)

Protein kinases and phosphorylation in neurologic disorders and cell death. Saitoh T, et al. **Lab Invest** 1991 May; 64(5):596–616 (269 ref.)

Protein kinase recognition sequence motifs. Kemp BE, et al. **Trends Biochem Sci** 1990 Sep;15(9):342–6 (30 ref.)

Regulation of bacterial physiological processes by three types of protein phosphorylating systems. Saier MH Jr, et al. **Trends Biochem Sci** 1990 Oct;15(10):391–5 (30 ref.)

[Second messengers and protein phosphorylation in cellular signal transduction] Kuno T. **Nippon Yakurigaku Zasshi** 1990 Aug;96(2):41–7 (28 ref.) (Eng. Abstr.) **(Jpn)**

[A study on the role and mechanism of intracellular Ca2+ in the central nervous system] Miyamoto E. **Nippon Yakurigaku Zasshi** 1990 Oct;96(4):141–52 (78 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Identifying and localizing protein kinases necessary for LTP. Malinow R, et al. **Adv Exp Med Biol** 1990;268:301–5 (14 ref.)

The role of tyrosine- and serine-threonine-protein phosphorylation in insulin action. Avruch J, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:295–300 (35 ref.)

The regulation of excitability by second messengers and protein kinases in peptidergic neurons of Aplysia. Fisher TE, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:41–4 (13 ref.)

MPF and cell cycle control. Maller JL. **Adv Second Messenger Phosphoprotein Res** 1990;24:323–8 (40 ref.)

Role of Ca2+/calmodulin-dependent protein phosphorylation in signal transduction. Nairn AC. **Adv Second Messenger Phosphoprotein Res** 1990;24:202–5 (31 ref.)

Casein kinase I and II—multipotential serine protein kinases: structure, function, and regulation. Tuazon PT, et al. **Adv Second Messenger Phosphoprotein Res** 1991;23:123–64 (206 ref.)

Protein kinases and long-term potentiation. Meffert MK, et al. **Ann N Y Acad Sci** 1991;627:2–9 (82 ref.)

Protein kinase cascades in meiotic and mitotic cell cycle control. Pelech SL, et al. **Biochem Cell Biol** 1990 Dec; 68(12):1297–330 (436 ref.)

Casein kinase 2: an 'eminence grise' in cellular regulation? Pinna LA. **Biochim Biophys Acta** 1990 Sep 24; 1054(3):267–84 (176 ref.)

A membrane receptor kinase that regulates development in Bacillus subtilis. Stock J. **Bioessays** 1990 Aug;12(8):387–8 (10 ref.)

The Raf-1 kinase as a transducer of mitogenic signals. Morrison DK. **Cancer Cells** 1990 Dec;2(12):377–82 (44 ref.)

Role of cyclic AMP receptor proteins in growth, differentiation, and suppression of malignancy: new approaches to therapy. Cho-Chung YS. **Cancer Res** 1990 Nov 15;50(22):7093–100 (110 ref.)

Raf-1: a kinase currently without a cause but not lacking in effects. Li P, et al. **Cell** 1991 Feb 8;64(3):479–82 (24 ref.)

Cytokine regulation of protein phosphorylation. Farrar WL, et al. **Cytokine** 1990 Mar;2(2):77–91 (139 ref.)

Signal transduction in bacteria: kinases that control gene expression. Igo MM, et al. **New Biol** 1990 Jan;2(1):5–9 (33 ref.)

Phosphorylation of elongation factor 2: a key mechanism regulating gene expression in vertebrates. Ryazanov AG, et al. **New Biol** 1990 Oct;2(10):843–50 (64 ref.)

Role of site-selective cAMP analogs in the control and reversal of malignancy. Cho-Chung YS, et al. **Pharmacol Ther** 1991;50(1):1–33 (346 ref.)

Cyclic nucleotide-dependent protein kinases. Scott JD. **Pharmacol Ther** 1991;50(1):123–45 (266 ref.)

Antiviral actions of interferon. Interferon-regulated cellular proteins and their surprisingly selective antiviral activities. Samuel CE. **Virology** 1991 Jul;183(1):1–11 (95 ref.)

[Molecular pharmacology of intracellular calcium signaling] Hidaka H, et al. **Seikagaku** 1990 Dec;62(12):1473–89 (65 ref.) **(Jpn)**

PROTEIN-LOSING ENTEROPATHIES

ETIOLOGY

Protein losing enteropathy associated with collagen diseases. Tsutsumi A, et al. **Ann Rheum Dis** 1991 Mar;50(3):178–81 (20 ref.)

PROTEIN P34CDC2

METABOLISM

Cell biology. Destruction's our delight... [news; comment] Hunt T. **Nature** 1991 Jan 10;349(6305):100–1 (0 ref.) Comment on: Nature 1991 Jan 10;349(6305):132–8.

p34cdc2: the S and M kinase? Pines J, et al. **New Biol** 1990 May;2(5):389–401 (96 ref.)

PHYSIOLOGY

Progression through the cell cycle: an overview. Fridovich-Keil JL, et al. **Am Rev Respir Dis** 1990 Dec; 142(6 Pt 2):S3–6 (35 ref.)

Coupling M phase and S phase: controls maintaining the dependence of mitosis on chromosome replication. Enoch T, et al. **Cell** 1991 Jun 14;65(6):921–3 (21 ref.)

Cell biology. Remembrance of things past [news; comment] Murray AW. **Nature** 1991 Jan 31;349(6308):367–8 (7 ref.) Comment on: Nature 1991 Jan 31;349(6308):388–93.

PROTEIN P53

GENETICS

p53 mutations: gains or losses? Michalovitz D, et al. **J Cell Biochem** 1991 Jan;45(1):22–9 (48 ref.)

PHYSIOLOGY

Progression through the cell cycle: an overview. Fridovich-Keil JL, et al. **Am Rev Respir Dis** 1990 Dec; 142(6 Pt 2):S3–6 (35 ref.)

The role of p53 in the normal control of cell proliferation. Milner J. **Curr Opin Cell Biol** 1991 Apr;3(2):282–6 (20 ref.)

The p53 tumor suppressor gene and gene product. Levine AJ. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:221–30 (53 ref.)

The nuclear oncoproteins: RB and p53. Cowell JK. **Semin Cancer Biol** 1990 Dec;1(6):437–46 (78 ref.)

PROTEIN PHOSPHATASES see **PHOSPHOPROTEIN PHOSPHATASES**

PROTEIN PRECURSORS

see related **ENZYME PRECURSORS**

BIOSYNTHESIS

The expression of peptide hormones in normal cells and tumour cells. Rehfeld JF, et al. **Acta Oncol** 1991; 30(4):429–33 (30 ref.)

CHEMISTRY

Consensus sequence for processing of peptide precursors at monobasic sites. Devi L. **FEBS Lett** 1991 Mar 25; 280(2):189–94 (47 ref.)

Transforming growth factor-alpha. Derynck R. **Mol Reprod Dev** 1990 Sep;27(1):3–9 (10 ref.)

GENETICS

Molecular basis of gamma-carboxylation. Role of the propeptide in the vitamin K-dependent proteins. Furie B, et al. **Ann N Y Acad Sci** 1991;614:1–10 (55 ref.)

Treatment of Alzheimer's disease. Molecular pathology versus neurotransmitter-based therapy. Bowen DM. **Br J Psychiatry** 1990 Sep;157:327–30 (21 ref.)

Prodynorphin gene expression in neuronal and endocrine cell types. Douglass J. **NIDA Res Monogr** 1991;105:109–15 (24 ref.)

Genetics and biology of the Alzheimer amyloid precursor. Neve RL, et al. **Prog Brain Res** 1990;86:257–67 (35 ref.)

IMMUNOLOGY

Interactions of hepatitis B virus with hepatocytes: mechanism and clinical relevance. Theilmann L, et al. **Hepatogastroenterology** 1991 Feb;38(1):10–3 (58 ref.)

Naturally acquired immunity to Plasmodium falciparum. Day KP, et al. **Immunol Today** 1991 Mar;12(3):A68–71 (37 ref.)

AIDS pathogenesis: HIV envelope and its interaction with cell proteins. Habeshaw JA, et al. **Immunol Today** 1990 Nov;11(11):418–25 (63 ref.)

METABOLISM

Stress proteins and mitochondrial protein import. Pfanner N, et al. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):191–3 (22 ref.)

Subtilisin-like proteinases involved in the activation of proproteins of the eukaryotic secretory pathway. Hutton JC. **Curr Opin Cell Biol** 1990 Dec;2(6):1131–42 (19 ref.)

Current views on chloroplast protein import and hypotheses on the origin of the transport mechanism. Archer EK, et al. **J Bioenerg Biomembr** 1990 Dec;22(6):789–810 (89 ref.)

On the translocation of proteins across the chloroplast envelope. Flügge UI. **J Bioenerg Biomembr** 1990 Dec; 22(6):769–87 (73 ref.)

Mitochondrial protein import. Geli V, et al. **J Bioenerg Biomembr** 1990 Dec;22(6):725–51 (165 ref.)

Ribonucleoparticle-independent transport of proteins into mammalian microsomes. Zimmermann R, et al. **J Bioenerg Biomembr** 1990 Dec;22(6):711–23 (68 ref.)

Proteolytic cleavage of the Alzheimer's disease amyloid A4 precursor protein. Ishiura S. **J Neurochem** 1991 Feb; 56(2):363–9 (60 ref.)

Molecular chaperones and protein translocation across the Escherichia coli inner membrane. Kumamoto CA. **Mol Microbiol** 1991 Jan;5(1):19–22 (34 ref.)

Progastrin in pancreas and the Zollinger-Ellison syndrome. Bardram L. **Scand J Gastroenterol** 1990 Dec;25(12):1185–95 (116 ref.)

Mitochondrial import receptors for precursor proteins. Pfanner N, et al. **Trends Biochem Sci** 1991 Feb;16(2):63–7 (36 ref.)

PHYSIOLOGY

The envelope of HIV-1 as a key component to infectivity. Buchbinder A. **Prog AIDS Pathol** 1990;2:1–11 (84 ref.)

Transforming growth factor alpha: expression, regulation and biological action of its integral membrane precursor. Luetteke NC, et al. **Semin Cancer Biol** 1990 Aug; 1(4):265–75 (62 ref.)

PROTEIN PROCESSING, POST-TRANSLATIONAL

Post-translation modifications of neural cell surface molecules. Rougon G, et al. **Acta Histochem Suppl** 1990; 38:51–7 (18 ref.)

The expression of peptide hormones in normal cells and tumour cells. Rehfeld JF, et al. **Acta Oncol** 1991; 30(4):429–33 (30 ref.)

Communication between protein tyrosine and protein serine/threonine phosphorylation. Weiel JE, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:182–95 (85 ref.)

Posttranslational degradation of the major myelin glycoprotein by Schwann cells in vivo and in vitro. Brunden KR, et al. **Ann N Y Acad Sci** 1990;605:230–9 (34 ref.)

Stabilization of post-translational modification of microtubules during cellular morphogenesis. Bulinski JC, et al. **Bioessays** 1991 Jun;13(6):285–93 (57 ref.)

Mammalian subtilisins: the long-sought dibasic processing endoproteases. Barr PJ. **Cell** 1991 Jul 12;66(1):1-3 (17 ref.)
Nonenzymatic deamidation of asparaginyl and glutaminyl residues in proteins. Wright HT.
Crit Rev Biochem Mol Biol 1991;26(1):1-52 (285 ref.)
Acylation and prenylation of proteins. Deschenes RJ, et al.
Curr Opin Cell Biol 1990 Dec;2(6):1108-13 (21 ref.)
The Ras superfamilies: regulatory proteins and post-translational modifications. Evans T, et al.
Curr Opin Cell Biol 1991 Apr;3(2):185-91 (44 ref.)
Protein glycosylation. Ploegh H, et al.
Curr Opin Cell Biol 1990 Dec;2(6):1125-30 (29 ref.)
Posttranslational modification of vaccinia virus proteins. VanSlyke JK, et al. **Curr Top Microbiol Immunol** 1990; 163:185-206 (82 ref.)
Posttranslational modification of proteins by isoprenoids in mammalian cells. Maltese WA. **FASEB J** 1990 Dec; 4(15):3319-28 (66 ref.)
The functional role of the beta-subunit in the maturation and intracellular transport of Na,K-ATPase. Geering K. **FEBS Lett** 1991 Jul 22;285(2):189-93 (66 ref.)
Protein N-myristoylation. Gordon JI, et al. **J Biol Chem** 1991 May 15;266(14):8647-50 (49 ref.)
Architectural editing: determining the fate of newly synthesized membrane proteins. Klausner RD. **New Biol** 1989 Oct;1(1):3-8 (28 ref.)
Phosphorylation of elongation factor 2: a key mechanism regulating gene expression in vertebrates. Ryazanov AG, et al. **New Biol** 1990 Oct;2(10):843-50 (64 ref.)
Posttranslational modifications and intracellular transport of sodium pumps: importance of subunit assembly. Geering K. **Soc Gen Physiol Ser** 1991;46:31-43 (49 ref.)
Recognition of nascent polypeptides for targeting and folding. Landry SJ, et al. **Trends Biochem Sci** 1991 Apr; 16(4):159-63 (39 ref.)
[Post-translational maturation of peptides of the glucagon family. Relationship with their mode of action] Bataille D. **Ann Endocrinol (Paris)** 1990;51(3-4):101-7 (27 ref.) (Eng. Abstr.) **(Fre)**
[Proteolytic processing of viral glycoproteins and its significance for viral pathogenicity] Nagai Y.
Tanpakushitsu Kakusan Koso 1990 Oct;35(13):2211-22 (94 ref.) **(Jpn)**

PHYSIOLOGY

Heat shock proteins hsp60 and hsp70: their roles in folding, assembly and membrane translocation of proteins. Langer T, et al. **Curr Top Microbiol Immunol** 1991;167:3-30 (157 ref.)
Pre-translational, translational, and post-translational mechanisms in adaptation of intestinal proteins. Alpers DH. **Digestion** 1990;46 Suppl 2:50-8 (39 ref.)
Localization of glycosylation sites in the Golgi apparatus using immunolabeling and cytochemistry. Roth J.
J Electron Microsc Tech 1991 Feb;17(2):121-31 (99 ref.)

PROTEIN SYNTHESIS ANTAGONISTS see **PROTEIN SYNTHESIS INHIBITORS**

PROTEIN SYNTHESIS INHIBITORS

PHARMACOLOGY

[The effect of translation inhibitor cycloheximide on expression of mammalian genes] Chesnokov VN, et al. **Biokhimiia** 1990 Jul;55(7):1276-8 (17 ref.) (Eng. Abstr.) **(Rus)**

PROTEIN-TYROSINE KINASE

see related
ONCOGENE PROTEIN PP60(V-SRC)

ANALYSIS

Growth factors and tyrosine protein kinases in normal and malignant melanocytes. Halaban R.
Cancer Metastasis Rev 1991 Jun;10(2):129-40 (128 ref.)

ANTAGONISTS & INHIBITORS

Tyrphostins as molecular tools and potential antiproliferative drugs. Levitzki A, et al. **Trends Pharmacol Sci** 1991 May; 12(5):171-4 (26 ref.)

CHEMISTRY

Sequence homologies between guanylyl cyclases and structural analogies to other signal-transducing proteins. Koesling D, et al. **FEBS Lett** 1991 Mar 25;280(2):301-6 (30 ref.)
Structure and function of the protein tyrosine kinases. Wilks AF. **Prog Growth Factor Res** 1990;2(2):97-111 (92 ref.)

GENETICS

Mutational analysis of the epidermal growth factor-receptor kinase. Schlessinger J. **Biochem Soc Symp** 1990;56:13-9 (56 ref.)
Insulin receptor tyrosine kinase structure and function. Ellis L, et al. **Biochem Soc Trans** 1991 Apr;19(2):426-32 (51 ref.)
src-related tyrosine protein kinases as signaling components in hematopoietic cells [published erratum appears in Cancer Cells 1990 Dec;2(12):405] Eiseman E, et al.
Cancer Cells 1990 Oct;2(10):303-10 (75 ref.)
The c-src family of protein-tyrosine kinases. Brickell PM.
Int J Exp Pathol 1991 Feb;72(1):97-108 (68 ref.)
Characterization and functional allotment of proto-oncogenes belonging to the src family. Toyoshima K, et al.
Int Symp Princess Takamatsu Cancer Res Fund 1989; 20:111-7 (21 ref.)
Receptor tyrosine kinases: genetic evidence for their role in Drosophila and mouse development. Pawson T, et al.
Trends Genet 1990 Nov;6(11):350-6 (39 ref.)

METABOLISM

Communication between protein tyrosine and protein serine/threonine phosphorylation. Weiel JE, et al.
Adv Second Messenger Phosphoprotein Res 1990;24:182-95 (85 ref.)
Non-receptor protein tyrosine kinases of normal tissues. Srivastava AK. **Int J Biochem** 1990;22(11):1229-34 (38 ref.)
Structure and function of tyrosine kinase receptors. White MF. **J Bioenerg Biomembr** 1991 Feb;23(1):63-82 (91 ref.)
The world according to GAP. McCormick F. **Oncogene** 1990 Sep;5(9):1281-3 (34 ref.)
Membrane interactions of pp60v-src: a model for myristylated tyrosine protein kinases. Resh MD.
Oncogene 1990 Oct;5(10):1437-44 (103 ref.)
Factor hunting made easier. Steele RE.
Trends Biochem Sci 1991 Apr;16(4):125-6 (8 ref.)

PHYSIOLOGY

The role of tyrosine-and serine-threonine-protein phosphorylation in insulin action. Avruch J, et al.
Adv Second Messenger Phosphoprotein Res 1990;24:295-300 (35 ref.)
Tyrosine kinase and control of cell proliferation. Comoglio PM, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S16-9 (38 ref.)
The lymphocyte-specific tyrosine protein kinase p56lck. Abraham N, et al. **Cancer Invest** 1991;9(4):455-63 (66 ref.)
T cell antigen receptor activation pathways: the tyrosine kinase connection. Klausner RD, et al. **Cell** 1991 Mar 8; 64(5):875-8 (29 ref.)
Function, location, and regulation of the src protein-tyrosine kinase. Varmus H, et al.
Int Symp Princess Takamatsu Cancer Res Fund 1989; 20:63-70 (40 ref.)
Role of Raf-1 serine/threonine protein kinase in growth factor signal transduction. Rapp UR. **Oncogene** 1991 Apr; 6(4):495-500 (43 ref.)
The lck tyrosine protein kinase. Sefton BM. **Oncogene** 1991 May;6(5):683-6 (39 ref.)
Receptor tyrosine kinases mediate cell-cell interactions during Drosophila development. Basler K, et al.
Prog Growth Factor Res 1990;2(1):15-27 (34 ref.)
The lymphocyte-specific tyrosine protein kinase p56lck. Veillette A, et al. **Semin Immunol** 1991 May;3(3):143-52 (62 ref.)

PROTEINASE INHIBITORS see **PROTEASE INHIBITORS**

PROTEINASES see **PEPTIDE PEPTIDOHYDROLASES**

PROTEINS

Direct labeling with 99mTc. Eckelman WC, et al.
Int J Rad Appl Instrum [B] 1991;18(1):3-7 (36 ref.)
Clinical review 16: Parathyroid hormone-related proteins: coming of age in the 1990s. Stewart AF, et al.
J Clin Endocrinol Metab 1990 Dec;71(6):1410-4 (7 ref.)
Investigation of dye/protein interaction and its application to enzyme purification. Glemža AA. **J Mol Recognit** 1990 Jun;3(3):137-41 (14 ref.)
Photoreactions of furocoumarins with biomolecules. Cadet J, et al. **J Photochem Photobiol B** 1990 Jun;6(1-2):197-206 (59 ref.)
Determination of reliable regions in protein sequence alignments. Vingron M, et al. **Protein Eng** 1990 Jul; 3(7):565-9 (20 ref.)
[Parathyroid hormone-related peptide (PTHrP)] Barlet JP, et al. **Reprod Nutr Dev** 1990;30(6):639-51 (92 ref.) (Eng. Abstr.) **(Fre)**
[Determination of the primary structures of proteins by mass spectrometry] Shimonishi Y.
Tanpakushitsu Kakusan Koso 1991 Jun;36(8):1509-20 (81 ref.) **(Jpn)**

ADMINISTRATION & DOSAGE

Delivery of recombinant peptide and protein drugs. Mackay M. **Biotechnol Genet Eng Rev** 1990;8:251-78 (176 ref.)
Restoring nitrogen balance after burn injury. Kagan RJ.
Compr Ther 1991 Mar;17(3):60-7 (26 ref.)
Absorption of peptides and proteins from the respiratory tract and the potential for development of locally administered vaccine. O'Hagan DT, et al.
Crit Rev Ther Drug Carrier Syst 1990;7(1):35-97 (421 ref.)
Percutaneous delivery of proteins and peptides using iontophoretic techniques. Parasrampuria D, et al.
J Clin Pharm Ther 1991 Feb;16(1):7-17 (52 ref.)

ADVERSE EFFECTS

[Nutrition and breast cancer] Richardson S, et al.
Pathol Biol (Paris) 1991 Jan;39(1):74-5 (44 ref.) **(Fre)**

ANALYSIS

A critical evaluation of direct electrical protein detection methods. Bergveld P. **Biosens Bioelectron** 1991;6(1):55-72 (35 ref.)
Immobilon-P transfer membrane: applications and utility in protein biochemical analysis. LeGendre N.
Biotechniques 1990 Dec;9(6 Suppl):788-805 (149 ref.)
Mechanisms of protein silver staining in polyacrylamide gels: a 10-year synthesis. Rabilloud T. **Electrophoresis** 1990 Oct; 11(10):785-94 (63 ref.)
Pulmonary proteins as cell-specific markers. Singh G, et al.
Exp Lung Res 1991 Mar-Apr;17(2):245-53 (49 ref.)
Immunochemical probes for food proteins after heat processing. Paraf A, et al. **Experientia** 1991 Jun 15; 47(6):585-92 (29 ref.)
Assessment of protein nutritional status. Young VR, et al.
J Nutr 1990 Nov;120 Suppl 11:1496-502 (51 ref.)
Analytical challenges to the pharmaceutical industry in developing products of biotechnology. Dicken CM, et al.
J Pharm Biomed Anal 1989;7(9):1071-6 (25 ref.)
Underlying assumptions in the estimation of secondary structure content in proteins by circular dichroism spectroscopy--a critical review. Manning MC.
J Pharm Biomed Anal 1989;7(10):1103-19 (201 ref.)
Micropreparative high-performance liquid chromatography of proteins and peptides. Nice EC, et al.
J Pharm Biomed Anal 1989;7(9):1039-53 (48 ref.)
Protein blotting: ten years on. Harper DR, et al.
J Virol Methods 1990 Oct;30(1):25-39 (93 ref.)
The use of fluorescent probes in immunochemistry. Davidson RS, et al. **Photochem Photobiol** 1990 Aug;52(2):431-8 (28 ref.)
[Ligand-exchange chromatography of proteins and enzymes] Lopatin SA, et al. **Bioorg Khim** 1990 Jun;16(6):725-50 (98 ref.) (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Regulation of protein turnover in skeletal and cardiac muscle. Sugden PH, et al. **Biochem J** 1991 Jan 1;273(Pt 1):21-37 (367 ref.)
Protein synthesis and the heart shock/stress response after ischemia. Nowak TS Jr. **Cerebrovasc Brain Metab Rev** 1990 Winter;2(4):345-66 (199 ref.)
Protein N-myristoylation: simple questions, unexpected answers. Gordon JI. **Clin Res** 1990 Oct;38(3):517-28 (43 ref.)
Pseudoknots and the control of protein synthesis. Draper DE.
Curr Opin Cell Biol 1990 Dec;2(6):1099-103 (9 ref.)
Protein anabolic actions of insulin in the human body. Bennet WM, et al. **Diabetic Med** 1991 Apr;8(3):199-207 (116 ref.)
How does protein synthesis give rise to the 3D-structure? Ptitsyn OB. **FEBS Lett** 1991 Jul 22;285(2):176-81 (68 ref.)
Regulation of protein synthesis at the elongation stage. New insights into the control of gene expression in eukaryotes. Ryazanov AG, et al. **FEBS Lett** 1991 Jul 22;285(2):170-5 (80 ref.)
Regulation of protein synthesis in early amphibian development. Woodland HR. **J Reprod Fertil Suppl** 1990; 42:215-24 (57 ref.)
Theoretical mechanisms for synthesis of carcinogen-induced embryonic proteins: XXIV. Repeated embryonic genes in liver. Hancock RL. **Med Hypotheses** 1991 Mar; 34(3):256-60 (33 ref.)
[Methodological aspects of current research in the areas of biosynthesis and roles of intercellular substance proteins (review)] Berman AE. **Vopr Med Khim** 1991 Jan-Feb; 37(1):2-8 (69 ref.) **(Rus)**
[Ethanol and protein biosynthesis in the animal liver (review of the literature)] Bozhko GKh, et al. **Vopr Med Khim** 1990 Jul-Aug;36(4):2-6 (52 ref.) (Eng. Abstr.) **(Rus)**

CHEMISTRY

Adsorption of ions, polyelectrolytes and proteins. Stuart MA, et al. **Adv Colloid Interface Sci** 1991 Jan;34:477-535 (85 ref.)
Protein hydration and function. Rupley JA, et al.
Adv Protein Chem 1991;41:37-172 (407 ref.)
Physical principles of protein crystallization. Weber PC.
Adv Protein Chem 1991;41:1-36 (114 ref.)
Molecular chaperones. Ellis RJ, et al. **Annu Rev Biochem** 1991;60:321-47 (115 ref.)
Polymer principles in protein structure and stability. Chan HS, et al. **Annu Rev Biophys Biophys Chem** 1991;20:447-90 (150 ref.)
Two-, three-, and four-dimensional NMR methods for obtaining larger and more precise three-dimensional structures of proteins in solution. Clore GM, et al.
Annu Rev Biophys Biophys Chem 1991;20:29-63 (120 ref.)
Beyond gene sequencing: analysis of protein structure with mass spectrometry. Fenselau C.
Annu Rev Biophys Biophys Chem 1991;20:205-20 (98 ref.)
Ultrasonic velocimetry of biological compounds. Sarvazyan AP. **Annu Rev Biophys Biophys Chem** 1991;20:321-42 (135 ref.)
Water-protein interactions: theory and experiment. Teeter MM. **Annu Rev Biophys Biophys Chem** 1991;20:577-600

(88 ref.)
Electrostatic energy and macromolecular function. Warshel A, et al. **Annu Rev Biophys Biophys Chem** 1991;20:267–98 (134 ref.)
Phospholipid and phospholipid–protein monolayers at the air/water interface. Möhwald H. **Annu Rev Phys Chem** 1990;41:441–76 (126 ref.)
Determination of DNA and protein structures in solution via complete relaxation matrix analysis of 2D NOE spectra. James TL, et al. **Basic Life Sci** 1990;56:135–54 (29 ref.)
All fifteen possible arrangements of three disulfide bridges in proteins are known. Warne NW, et al. **Biochem Biophys Res Commun** 1990 Nov 15;172(3):1364–70 (86 ref.)
Secondary structure prediction and protein design. Garnier J, et al. **Biochem Soc Symp** 1990;57:11–24 (32 ref.)
Inverting the protein-folding problem. Sander C. **Biochem Soc Symp** 1990;57:25–33 (25 ref.)
Basic design features of the parallel alpha beta barrel, a ubiquitous protein–folding motif. Wodak SJ, et al. **Biochem Soc Symp** 1990;57:99–121 (58 ref.)
N.m.r. and biochemistry. Campbell ID. **Biochem Soc Trans** 1991 Apr;19(2):243–8 (70 ref.)
Dominant forces in protein folding. Dill KA. **Biochemistry** 1990 Aug 7;29(31):7133–55 (339 ref.)
Protein folding: local structures, domains, subunits, and assemblies. Jaenicke R. **Biochemistry** 1991 Apr 2; 30(13):3147–61 (224 ref.)
Protein structure prediction. Garnier J. **Biochimie** 1990 Aug; 72(8):513–24 (71 ref.)
Errors in three dimensions. Janin J. **Biochimie** 1990 Oct; 72(10):705–9 (24 ref.)
Chemical modifications of proteins: history and applications. Means GE, et al. **Bioconjug Chem** 1990 Jan–Feb;1(1):2–12 (183 ref.)
Microcomputer–assisted periodic pattern recognition in the primary structure of proteins. Colosimo A, et al. **Biomed Biochim Acta** 1990;49(8–9):951–62 (27 ref.)
Is symmetry conservation an unessential feature of allosteric theory? Debru C. **Biophys Chem** 1990 Aug 31;37(1–3):15–23 (38 ref.)
The phylogeny and chemical diversity of quinone–tanned glues and varnishes. Waite JH. **Comp Biochem Physiol [B]** 1990;97(1):19–29 (111 ref.)
The architecture of invertebrate carotenoproteins. Zagalsky PF, et al. **Comp Biochem Physiol [B]** 1990;97(1):1–18 (119 ref.)
Sequence analysis of proteins separated by polyacrylamide gel electrophoresis: towards an integrated protein database. Aebersold R, et al. **Electrophoresis** 1990 Jul;11(7):517–27 (89 ref.)
Measurement of accessibility of protein chromophores by solvent perturbation of their ultraviolet spectra. Laskowski M Jr. **Fed Proc** 1966 Jan–Feb;25(1):20–7 (34 ref.)
A general strategy for the de novo design of proteins—template assembled synthetic proteins. Altmann KH, et al. **Int J Biochem** 1990;22(9):947–56 (82 ref.)
Marine adhesive proteins: natural composite thermosets. Waite JH. **Int J Biol Macromol** 1990 Apr;12(2):139–44 (60 ref.)
Protein structure determination in solution by NMR spectroscopy. Wüthrich K. **J Biol Chem** 1990 Dec 25; 265(36):22059–62 (73 ref.)
Intramolecular dielectric screening in proteins. Simonson T, et al. **J Mol Biol** 1991 Apr 20;218(4):859–86 (76 ref.)
Interaction between immobilized and soluble protein subunits. Analysis and applications. Chiancone E, et al. **J Mol Recognit** 1990 Aug;3(4):142–8 (41 ref.)
Protein–ligand interaction as a method to study surface properties of proteins. Arakawa T, et al. **Methods Biochem Anal** 1991;35:87–125 (81 ref.)
Fluorescence techniques for studying protein structure. Eftink MR. **Methods Biochem Anal** 1991;35:127–205 (409 ref.)
Theoretical and empirical approaches to protein–structure prediction and analysis. Maggiora GM, et al. **Methods Biochem Anal** 1991;35:1–86 (433 ref.)
The use of monoclonal antibodies and limited proteolysis in elucidation of structure–function relationships in proteins. Wilson JE. **Methods Biochem Anal** 1991;35:207–50 (200 ref.)
Peptides and proteins: overview and strategy. Biemann K. **Methods Enzymol** 1990;193:351–60 (28 ref.)
Tandem mass spectrometry: quadrupole and hybrid instruments. Yost RA, et al. **Methods Enzymol** 1990; 193:154–200 (107 ref.)
Interactions between proteins, peptides and amino acids. New advances 1986–1989. Cserháti T, et al. **Nahrung** 1990; 34(9):803–10 (89 ref.)
Molecular dynamics simulations in biology. Karplus M, et al. **Nature** 1990 Oct 18;347(6294):631–9 (29 ref.)
A template based method of pattern matching in protein sequences. Taylor WR. **Prog Biophys Mol Biol** 1989; 54(3):159–252 (80 ref.)
Molecular interactions in protein crystals: solvent accessible surface and stability. Islam SA, et al. **Proteins** 1990;8(1):1–5 (15 ref.)
Amphipathic helix motif: classes and properties [published erratum appears in Proteins 1991;9(1):79] Segrest JP, et al. **Proteins** 1990;8(2):103–17 (130 ref.)
Developments in techniques for radioiodination of peptide hormones and other proteins. Karonen SL. **Scand J Clin Lab Invest Suppl** 1990;201:135–8 (22 ref.)
Nucleoplasmin: the archetypal molecular chaperone. Dingwall C, et al. **Semin Cell Biol** 1990 Feb;1(1):11–7 (42 ref.)
A mitochondrial chaperonin: genetic, biochemical, and molecular characteristics. Hallberg RL. **Semin Cell Biol** 1990 Feb;1(1):37–45 (29 ref.)
The plastid chaperonin. Hemmingsen SM. **Semin Cell Biol** 1990 Feb;1(1):47–54 (41 ref.)
Protein motifs that recognize structural features of DNA. Churchill ME, et al. **Trends Biochem Sci** 1991 Mar; 16(3):92–7 (33 ref.)
The P–loop—a common motif in ATP– and GTP–binding proteins. Saraste M, et al. **Trends Biochem Sci** 1990 Nov; 15(11):430–4 (31 ref.)
Nucleation in protein folding—confusion of structure and process. Wetlaufer DB. **Trends Biochem Sci** 1990 Nov; 15(11):414–5 (27 ref.)
The Maillard reaction in vivo. Dyer DG, et al. **Z Ernahrungswiss** 1991 Feb;30(1):29–45 (38 ref.)
[Aging mechanisms of proteins] Gillery P, et al. **Diabete Metab** 1991 Jan–Feb;17(1):1–16 (88 ref.) (Eng. Abstr.) **(Fre)**
[Use of mass spectrometry for the analysis of protein sequence] Hetper J, et al. **Postepy Biochem** 1989; 35(4):609–21 (28 ref.) **(Pol)**

DRUG EFFECTS

Physiology of bone: mineral compartment proteins as candidates for environmental perturbation by lead. Sauk JJ, et al. **Environ Health Perspect** 1991 Feb;91:9–16 (86 ref.)
Free radical damage to proteins and its role in the immune response. Dean R, et al. **Mol Aspects Med** 1991;12(2):121–8 (27 ref.)

GENETICS

One gene encoding three proteins with different functions. Mihal K, et al. **Am J Respir Cell Mol Biol** 1991 Jul;5(1):1–3 (22 ref.)
Statistical methods and insights for protein and DNA sequences. Karlin S, et al. **Annu Rev Biophys Biophys Chem** 1991;20:175–203 (103 ref.)
Proteins containing unusual amino acid sequences. Ambler RP. **Biochem Soc Trans** 1991 Apr;19(2):517–22 (56 ref.)
Sulphur–poor prolamins of barley, wheat and rye. Shewry PR, et al. **Biochem Soc Trans** 1991 Apr;19(2):528–30 (21 ref.)
Circadian oscillations in protein and mRNA levels of the period gene of Drosophila melanogaster. Zwiebel LJ, et al. **Biochem Soc Trans** 1991 Apr;19(2):533–7 (34 ref.)
Hazards and their exploitation in the applications of molecular biology to structure–function relationships. Schimmel P. **Biochemistry** 1990 Oct 16;29(41):9495–502 (91 ref.)
Exons—original building blocks of proteins? Patthy L. **Bioessays** 1991 Apr;13(4):187–92 (58 ref.)
Computer analysis of DNA and protein sequences. von Heijne G. **Eur J Biochem** 1991 Jul 15;199(2):253–6 (44 ref.)
Heterogeneity of phenylketonuria at the clinical, protein and DNA levels. Cotton RG. **J Inherit Metab Dis** 1990; 13(5):739–50 (58 ref.)
The Escherichia coli groE chaperonins. Georgopoulos C, et al. **Semin Cell Biol** 1990 Feb;1(1):19–25 (35 ref.)
How proteins are altered in genetic disease: an overview. McInnes RR. **Semin Perinatol** 1991 Feb;15(1 Suppl 1):16–30 (39 ref.)

IMMUNOLOGY

Antibacterial peptides: key components needed in immunity. Boman HG. **Cell** 1991 Apr 19;65(2):205–7 (18 ref.)
A static accessibility model of protein antigenicity. Novotný J. **Int Rev Immunol** 1987 Jul;2(4):379–89 (39 ref.)
Acquired immunity in insects: the recognition of nonself and the subsequent onset of immune protein genes. Faye I. **Res Immunol** 1990 Nov–Dec;141(9):927–32 (43 ref.)
Chaperonins and the immune response. Young DB. **Semin Cell Biol** 1990 Feb;1(1):27–35 (56 ref.)
Catheptic processing of protein antigens: enzymic and molecular aspects. van der Drift AC, et al. **Semin Immunol** 1990 Jul;2(4):255–71 (135 ref.)

ISOLATION & PURIFICATION

High–resolution electrophoretic purification and structural microanalysis of peptides and proteins. Lillehoj EP, et al. **Adv Appl Microbiol** 1991;36:279–338 (107 ref.)
Solvent modulation in hydrophobic interaction chromatography. Arakawa T, et al. **Biotechnol Appl Biochem** 1991 Apr;13(2):151–72 (91 ref.)
Pilot– and process–scale techniques for cell disruption. Schütte H, et al. **Biotechnol Appl Biochem** 1990 Dec; 12(6):599–620 (74 ref.)
Recent advances in capillary electrophoresis of proteins, peptides and amino acids. Novotny MV, et al. **Electrophoresis** 1990 Sep;11(9):735–49 (81 ref.)
New developments in affinity chromatography. Lowe CR, et al. **J Mol Recognit** 1990 Jun;3(3):117–22 (28 ref.)

METABOLISM

Cuticular proteins of Brugia filarial parasites. Selkirk ME, et al. **Acta Trop (Basel)** 1990 Jul;47(5–6):373–80 (47 ref.)
Parathyroid hormone–related protein of humoral hypercalcemia of malignancy. Moseley JM. **Adv Clin Chem** 1990;28:219–42 (95 ref.)
Protein oxidation and proteolytic degradation. General aspects and relationship to cataract formation. Davies KJ. **Adv Exp Med Biol** 1990;264:503–11 (81 ref.)
Altered protein metabolism in aging. Gafni A. **Annu Rev Gerontol Geriatr** 1990;10:117–31 (39 ref.)
A review of the role of 70 kDa heat shock proteins in protein translocation across membranes. Craig E, et al. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):137–46 (37 ref.)
Proteolysis of mitochondrial–coded and nuclear–coded proteins found in yeast mitochondria. Jacob G, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):145–50 (20 ref.)
Temperature acclimatization of the carp. Cellular and molecular aspects of the compensatory response. Krauskopf M, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun; 21(1):151–7 (31 ref.)
Mammalian glycosylation mutants as tools for the analysis and reconstitution of protein transport. Brändli AW. **Biochem J** 1991 May 15;276 (Pt 1):1–12 (138 ref.)
Functional consequences of lipid–mediated protein–membrane interactions. Saltiel AR, et al. **Biochem Pharmacol** 1991 Jun 21;42(1):1–11 (115 ref.)
Fluorescence approaches to the study of the p21ras GTPase mechanism. Eccleston JF, et al. **Biochem Soc Trans** 1991 Apr;19(2):432–7 (26 ref.)
The role of Ras in signal transduction. Johnston C, et al. **Biochem Soc Trans** 1991 Apr;19(2):296–9 (25 ref.)
Covalent modification reactions are marking steps in protein turnover. Stadtman ER. **Biochemistry** 1990 Jul 10; 29(27):6323–31 (36 ref.)
Protein phosphorylation: a motive force for adaptive evolution. Vener AV. **Biosystems** 1990;24(1):53–9 (48 ref.)
Protein glycosylation: function and factors that regulate oligosaccharide structure. Welply JK. **Biotechnology** 1991; 17:59–72 (46 ref.)
More than just a channel: provocative new features of protein traffic across the ER membrane. Lingappa VR. **Cell** 1991 May 17;65(4):527–30 (26 ref.)
How do polypeptides cross the mitochondrial membranes? Neupert W, et al. **Cell** 1990 Nov 2;63(3):447–50 (24 ref.)
Natural substrates of the ubiquitin proteolytic pathway. Rechsteiner M. **Cell** 1991 Aug 23;66(4):615–8 (28 ref.)
Protein metabolism and nutrition in hemodialysis patients. Alvestrand A. **Contrib Nephrol** 1990;78:102–18 (62 ref.)
Current status of protein methylation in carcinogenesis. Duerre JA, et al. **Crit Rev Oncog** 1991;2(2):97–108 (157 ref.)
Targeting of cytosolic proteins to lysosomes for degradation. Dice JF, et al. **Crit Rev Ther Drug Carrier Syst** 1990; 7(3):211–33 (82 ref.)
Molecular dissection of early stages of the eukaryotic secretory pathway. Balch WE. **Curr Opin Cell Biol** 1990 Aug;2(4):634–41 (32 ref.)
Protein import into mitochondria and peroxisomes. Horwich A. **Curr Opin Cell Biol** 1990 Aug;2(4):625–33 (27 ref.)
Membrane translocation of proteins without hydrophobic signal peptides. Kuchler K, et al. **Curr Opin Cell Biol** 1990 Aug;2(4):617–24 (13 ref.)
Protein glycosylation. Ploegh H, et al. **Curr Opin Cell Biol** 1990 Dec;2(6):1125–30 (29 ref.)
Eukaryotic protein degradation. Rivett AJ. **Curr Opin Cell Biol** 1990 Dec;2(6):1143–9 (30 ref.)
Heat shock proteins hsp60 and hsp70: their roles in folding, assembly and membrane translocation of proteins. Langer T, et al. **Curr Top Microbiol Immunol** 1991;167:3–30 (157 ref.)
In vivo measurements of protein turnover during muscle growth and atrophy. Samarel AM. **FASEB J** 1991 Apr; 5(7):2020–8 (44 ref.)
Protein export in prokaryotes and eukaryotes. Theme with variations. Wiech H, et al. **FEBS Lett** 1991 Jul 22; 285(2):182–8 (70 ref.)
Metal ion–catalyzed oxidation of proteins: biochemical mechanism and biological consequences [published erratum appears in Free Radic Biol Med 1991;10(3–4):249] Stadtman ER. **Free Radic Biol Med** 1990;9(4):315–25 (113 ref.)
Protein glycation and oxidative stress in diabetes mellitus and ageing. Wolff SP, et al. **Free Radic Biol Med** 1991; 10(5):339–52 (103 ref.)
Protein, lipid and DNA repair systems in oxidative stress: the free–radical theory of aging revisited. Pacifici RE, et al. **Gerontology** 1991;37(1–3):166–80 (84 ref.)
Interaction of phospholipids with proteins, peptides and amino acids. New advances 1987–1989. Cserháti T, et al. **Int J Biochem** 1991;23(2):131–45 (218 ref.)
Regulation of protein degradation in the liver. Mortimore GE, et al. **Int J Biochem** 1990;22(10):1075–80 (25 ref.)
Gut microflora and tissue protein turnover in vivo in animals. Muramatsu T. **Int J Biochem** 1990;22(8):793–800 (89 ref.)
The contents of proteins, carbohydrates, lipids and DNA during the embryogenesis of Drosophila. Medina M, et al. **Int J Dev Biol** 1989 Sep;33(3):403–5 (14 ref.)
Mitochondrial protein import. Geli V, et al. **J Bioenerg Biomembr** 1990 Dec;22(6):725–51 (165 ref.)
Multisite and hierarchal protein phosphorylation. Roach PJ. **J Biol Chem** 1991 Aug 5;266(22):14139–42 (44 ref.)
Metal–catalyzed oxidation of proteins. Physiological consequences. Stadtman ER, et al. **J Biol Chem** 1991 Feb 5;266(4):2005–8 (55 ref.)

Current thoughts on the assessment of protein metabolism in humans. Wolfe RR. **J Burn Care Rehabil** 1991 May-Jun; 12(3):211-3 (9 ref.)
Lipid modification of proteins and its relevance to protein targeting. Magee AI. **J Cell Sci** 1990 Dec;97 (Pt 4):581-4 (36 ref.)
Secretory pathways in animal cells: with emphasis on pancreatic acinar cells. Beaudoin AR, et al. **J Electron Microsc Tech** 1991 Jan;17(1):51-69 (142 ref.)
Analysis of protein transport through the Golgi in a reconstituted cell-free system. Wattenberg BW. **J Electron Microsc Tech** 1991 Feb;17(2):150-64 (63 ref.)
Synexin (annexin VII): a cytosolic calcium-binding protein which promotes membrane fusion and forms calcium channels in artificial bilayer and natural membranes. Pollard HB, et al. **J Membr Biol** 1990 Aug;117(2):101-12 (38 ref.)
Use of amino acid clamps to investigate the role of insulin in regulating protein breakdown in vivo. Flakoll PJ, et al. **JPEN J Parenter Enteral Nutr** 1991 May-Jun; 15(3):81S-85S (35 ref.)
Hormonal regulation of protein metabolism. Long CL, et al. **JPEN J Parenter Enteral Nutr** 1990 Nov-Dec; 14(6):555-62 (85 ref.)
Role of branched-chain ketoacids in protein metabolism. Walser M. **Kidney Int** 1990 Oct;38(4):595-604 (134 ref.)
Detection of site-specific binding and co-binding of ligands to macromolecules using 19F NMR. Jenkins BG. **Life Sci** 1991;48(13):1227-40 (62 ref.)
Catabolic illness. Strategies for enhancing recovery. Wilmore DW. **N Engl J Med** 1991 Sep 5;325(10):695-702 (56 ref.)
Mitochondrial proteins essential for viability mediate protein import into yeast mitochondria. Baker KP, et al. **Nature** 1991 Jan 17;349(6306):205-8 (58 ref.)
Degradation of proteins by the ubiquitin-mediated proteolytic pathway. Ciechanover A, et al. **New Biol** 1990 Mar;2(3):227-34 (46 ref.)
Specificity of selenium uptake by selenoproteins. **Nutr Rev** 1991 Feb;49(2):62-4 (9 ref.)
Can whole-body proteolysis be zero? **Nutr Rev** 1990 Oct; 48(10):380-2 (13 ref.)
The world according to GAP. McCormick F. **Oncogene** 1990 Sep;5(9):1281-3 (34 ref.)
The structure and function of protein modules. Campbell ID, et al. **Philos Trans R Soc Lond [Biol]** 1991 May 29; 332(1263):165-70 (40 ref.)
Motifs of protein phosphorylation and mechanisms of reversible covalent regulation. Walsh DA, et al. **Physiol Rev** 1991 Jan;71(1):285-304 (46 ref.)
The ubiquitin-mediated proteolytic pathway: enzymology and mechanisms of recognition of the proteolytic substrates. Ciechanover A, et al. **Semin Cell Biol** 1990 Dec; 1(6):415-22 (48 ref.)
A selective pathway for degradation of cytosolic proteins by lysosomes. Dice JF, et al. **Semin Cell Biol** 1990 Dec; 1(6):449-55 (35 ref.)
PEST sequences are signals for rapid intracellular proteolysis. Rechsteiner M. **Semin Cell Biol** 1990 Dec;1(6):433-40 (53 ref.)
Factors controlling intracellular protein turnover in the kidney. Rabkin R, et al. **Semin Nephrol** 1990 Sep; 10(5):472-80 (67 ref.)
Small GTP-binding proteins in vesicular transport. Balch WE. **Trends Biochem Sci** 1990 Dec;15(12):473-7 (49 ref.)
The granin (chromogranin/secretogranin) family. Huttner WB, et al. **Trends Biochem Sci** 1991 Jan;16(1):27-30 (46 ref.)
The fats of life: the importance and function of protein acylation. McIlhinney RA. **Trends Biochem Sci** 1990 Oct; 15(10):387-91 (37 ref.)
Protein transport across the ER membrane. Rapoport TA. **Trends Biochem Sci** 1990 Sep;15(9):355-8 (39 ref.)
The TiPS lecture. The nicotinic acetylcholine receptor: an allosteric protein prototype of ligand-gated ion channels. Changeux JP. **Trends Pharmacol Sci** 1990 Dec; 11(12):485-92 (78 ref.)
[Morphological and functional adaptation of the small intestine to protein intake. Effect of deprivation and supplemented diets] Czernichow B, et al. **Gastroenterol Clin Biol** 1990;14(12):995-1002 (81 ref.) **(Fre)**
[The significance of the Maillard reaction in human physiology] Schleicher E. **Z Ernahrungswiss** 1991 Feb; 30(1):18-28 (46 ref.) (Eng. Abstr.) **(Ger)**
[Second messengers and protein phosphorylation in cellular signal transduction] Kuno T. **Nippon Yakurigaku Zasshi** 1990 Aug;96(2):41-7 (28 ref.) (Eng. Abstr.) **(Jpn)**
[Protein folding and transport in cells] Endo T. **Tanpakushitsu Kakusan Koso** 1991 Feb;36(2):128-36 (57 ref.) **(Jpn)**
[Malignant humoral hypercalcemia and the parathyroid hormone related protein] Jemtland R, et al. **Tidsskr Nor Laegeforen** 1991 May 30;111(14):1738-42 (47 ref.) (Eng. Abstr.) **(Nor)**
[Functional morphology of lysosomal cationic proteins in neutrophilic granulocytes] Mazing IuA. **Vopr Med Khim** 1990 Nov-Dec;36(6):8-10 (47 ref.) (Eng. Abstr.) **(Rus)**
[Intracellular protein transport--the cell as a mail carrier] Von Heijne G. **Lakartidningen** 1990 Dec 12;87(50):4311-4 (15 ref.) (Eng. Abstr.) **(Swe)**

PHARMACOKINETICS

Why proteins prefer interfaces. Norde W, et al. **J Biomater Sci Polym Ed** 1991;2(3):183-202 (39 ref.)

PHARMACOLOGY

Biology of phospholipase inhibitory proteins. Hirata F, et al. **Adv Exp Med Biol** 1990;279:211-8 (35 ref.)
Parathyroid hormone-related protein (PTHrP): studies with synthetic peptides indicate that parathyroid hormone and PTHrP interact with the same receptor. Caulfield MP, et al. **Int J Rad Appl Instrum [B]** 1990;17(7):633-7 (56 ref.)
Recent progress in bone induction by osteogenin and bone morphogenetic proteins: challenges for biomechanical and tissue engineering. Reddi AH, et al. **J Biomech Eng** 1991 May;113(2):189-90 (15 ref.)
Protein--solvent interactions in pharmaceutical formulations. Arakawa T, et al. **Pharm Res** 1991 Mar;8(3):285-91 (72 ref.)

PHYSIOLOGY

The role of phospholipase A2 activating protein (PLAP) in regulating prostanoid production in smooth muscle and endothelial cells following leukotriene D4 treatment. Clark MA, et al. **Adv Exp Med Biol** 1990;275:125-44 (11 ref.)
Inhibin and related proteins: localization, regulation, and effects. de Jong FH, et al. **Adv Exp Med Biol** 1990; 274:271-93 (168 ref.)
Use of antibodies in the study of protein structure and function in lung diseases. Miller EJ, et al. **Am J Physiol** 1991 Feb;260(2 Pt 1):L1-12 (137 ref.)
Endometrial proteins as local regulators of human endometrial function and their appearance in serum: clinical applications. Seppälä M, et al. **Ann N Y Acad Sci** 1991; 626:312-20 (65 ref.)
Chaperone function: the assembly of ribulose bisphosphate carboxylase-oxygenase. Gatenby AA, et al. **Annu Rev Cell Biol** 1990;6:125-49 (89 ref.)
Clathrin, adaptors, and sorting. Pearse BM, et al. **Annu Rev Cell Biol** 1990;6:151-71 (95 ref.)
Role of endogenous proteins as negative growth modulators during in vitro cellular aging of human diploid fibroblasts. Porter MB, et al. **Annu Rev Gerontol Geriatr** 1990;10:53-70 (103 ref.)
Microtubules, mitochondria, and molecular chaperones: a new hypothesis for in vivo assembly of microtubules. Gupta RS. **Biochem Cell Biol** 1990 Dec;68(12):1352-63 (80 ref.)
The function of chaperones during intracellular protein sorting, folding and assembly. Ostermann J. **Biotechnol Genet Eng Rev** 1990;8:219-49 (134 ref.)
The biological role of naturally-occurring cytokine inhibitors. Arend WP, et al. **Br J Rheumatol** 1991;30 Suppl 2:49-52 (15 ref.)
Saposin proteins: structure, function, and role in human lysosomal storage disorders. O'Brien JS, et al. **FASEB J** 1991 Mar 1;5(3):301-8 (49 ref.)
Crystal growth-inhibiting proteins in bile. Busch N, et al. **Hepatology** 1990 Sep;12(3 Pt 2):195S-198S; discussion 199S (18 ref.)
The interplay between ras oncogenes and tumor suppressor genes in experimental carcinogenesis. Balmain A, et al. **Immunol Ser** 1990;51:75-88 (59 ref.)
Megakaryocyte growth factors. Williams N. **Immunol Ser** 1990;49:215-29 (76 ref.)
Mx proteins: antiviral proteins by chance or by necessity? Arnheiter H, et al. **New Biol** 1990 Oct;2(10):851-7 (51 ref.)
Glycosaminoglycans: molecular properties, protein interactions, and role in physiological processes. Jackson RL, et al. **Physiol Rev** 1991 Apr;71(2):481-539 (594 ref.)
Bone morphogenetic proteins. Wozney JM. **Prog Growth Factor Res** 1989;1(4):267-80 (68 ref.)
Properties of parathyroid hormone-related protein and its role in malignant hypercalcaemia. Martin TJ. **Q J Med** 1990 Aug;76(280):771-86 (71 ref.)
The molecular chaperone concept. Ellis RJ. **Semin Cell Biol** 1990 Feb;1(1):1-9 (49 ref.)
Protein modules. Baron M, et al. **Trends Biochem Sci** 1991 Jan;16(1):13-7 (30 ref.)
Mitochondria, molecular chaperone proteins and the in vivo assembly of microtubules. Gupta RS. **Trends Biochem Sci** 1990 Nov;15(11):415-8 (30 ref.)
Antiviral actions of interferon. Interferon-regulated cellular proteins and their surprisingly selective antiviral activities. Samuel CE. **Virology** 1991 Jul;183(1):1-11 (95 ref.)
[Selenoproteins] Liu MX. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):345-8 (21 ref.) **(Chi)**
[Evolution of regulatory proteins] Medzhitov RM. **Biokhimiia** 1991 Jan;56(1):3-8 (17 ref.) (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Unfolding perspectives on the genetic effects of human exposures to radiation. Neel JV. **Basic Life Sci** 1990; 53:337-49 (46 ref.)

SECRETION

An overview of conventional and novel routes of protein secretion. Colman A. **Biochem Soc Trans** 1991 Apr; 19(2):249-52 (12 ref.)
Targeting of proteins into the eukaryotic secretory pathway: signal peptide structure/function relationships. Nothwehr SF, et al. **Bioessays** 1990 Oct;12(10):479-84 (48 ref.)
Regulated secretion. Miller SG, et al. **Curr Opin Cell Biol** 1990 Aug;2(4):642-7 (25 ref.)

ULTRASTRUCTURE

Biological applications of scanning probe microscopes. Engel A. **Annu Rev Biophys Biophys Chem** 1991;20:79-108 (134 ref.)
Imaging of protein molecules--towards atomic resolution. Bullough PA. **Electron Microsc Rev** 1990;3(2):249-67 (51 ref.)
Negative staining of proteins. Kiselev NA, et al. **Electron Microsc Rev** 1990;3(1):43-72 (151 ref.)
The potential of cryofixation and freeze substitution: observations and theoretical considerations. Kellenberger E. **J Microsc** 1991 Feb;161 (Pt 2):183-203 (62 ref.)

PROTEINS, ACUTE PHASE see **ACUTE PHASE PROTEINS**

PROTEINS, RIBOSOMAL see **RIBOSOMAL PROTEINS**

PROTEINURIA

CLASSIFICATION

[Proteinuria: main clinical forms] M'Rad S, et al. **Tunis Med** 1990 Aug-Sep;68(8-9):493-9 (45 ref.) **(Fre)**

COMPLICATIONS

Clinical factors in progressive renal injury. The role of proteinuria. D'Amico G. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):48-52 (53 ref.)
Lipid-lowering agents in proteinuric diseases. Appel GB, et al. **Am J Nephrol** 1990;10 Suppl 1:110-5 (48 ref.)

ETIOLOGY

Proteinuria and progression in human glomerular diseases. Cameron JS. **Am J Nephrol** 1990;10 Suppl 1:81-7 (43 ref.)
Proteinuria in multiple myeloma and related diseases. Ganeval D, et al. **Am J Nephrol** 1990;10 Suppl 1:58-62 (21 ref.)
Hemodynamic effects of glomerular permselectivity. Hostetter TH, et al. **Am J Nephrol** 1990;10 Suppl 1:24-7 (19 ref.)
Tubular toxicity of filtered proteins. Ledingham JG. **Am J Nephrol** 1990;10 Suppl 1:52-7 (57 ref.)
Role of platelet-activating factor in renal immune injury and proteinuria. Perico N, et al. **Am J Nephrol** 1990;10 Suppl 1:98-104 (48 ref.)
Advances in the study of proteinurias. I. The pathogenetic mechanisms. Voiculescu M. **Med Interne** 1990 Oct-Dec; 28(4):265-77 (62 ref.)
The significance and management of proteinuria. Mallick NP. **Nephrol Dial Transplant** 1990;5 Suppl 1:35-6 (6 ref.)
[Importance of 24-hour blood pressure monitoring in detection of hypertension-induced end organ damage] Schächinger H, et al. **Z Kardiol** 1991;80 Suppl 1:41-7 (67 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Pathophysiology and clinical implications of proteinuria. Garella S. **Nephrol Dial Transplant** 1990;5 Suppl 1:10-5 (24 ref.)
Mechanism of orthostatic proteinuria. Vehaskari VM. **Pediatr Nephrol** 1990 Jul;4(4):328-30 (13 ref.)

THERAPY

Focus on proteinuria. Glassock RJ. **Am J Nephrol** 1990;10 Suppl 1:88-93 (37 ref.)

URINE

Urinary proteins of tubular origin: basic immunochemical and clinical aspects. Scherberich JE. **Am J Nephrol** 1990;10 Suppl 1:43-51 (70 ref.)
The pre-proteinuric phase of diabetic nephropathy. Christensen CK. **Dan Med Bull** 1991 Apr;38(2):145-59 (139 ref.)

PROTEINURIA-EDEMA-HYPERTENSION GESTOSIS see **GESTOSIS, EPH**

PROTEOCHONDROITIN SULFATES

BIOSYNTHESIS

Biosynthesis of heparin. Lindahl U. **Biochem Soc Trans** 1990 Oct;18(5):803-5 (8 ref.)
Synthesis of basement membrane proteins in the small intestine. Simon-Assmann P, et al. **Digestion** 1990;46 Suppl 2:12-21 (29 ref.)

GENETICS

Heparan sulphate proteoglycans of human fibroblasts. David G. **Biochem Soc Trans** 1990 Oct;18(5):805-7 (17 ref.)

PROTEOGLYCANS

Proteoglycans: structures and interactions. Kjellén L, et al. **Annu Rev Biochem** 1991;60:443-75 (376 ref.)

ANALYSIS

Immunological and molecular approaches to the study of basement membrane proteoglycan diversity. Couchman JR, et al. **Biochem Soc Trans** 1990 Oct;18(5):819–20 (13 ref.)
Proteoglycans of CAPD–dialysate fluid and mesothelium. Davies M, et al. **Contrib Nephrol** 1990;85:134–41 (26 ref.)
Macromolecular markers in joint disease. Heinegård D, et al. **J Rheumatol Suppl** 1991 Feb;27:27–9 (16 ref.)
Analyses of periodontal glycosaminoglycans and proteoglycans. Regulation by microbial, chemical and inflammatory factors. Larjava H, et al. **Proc Finn Dent Soc** 1991;87(2):287–98 (69 ref.)

BIOSYNTHESIS

Syndecan and tenascin: induction during early tooth morphogenesis and possible interactions. Thesleff I, et al. **Cell Differ Dev** 1990 Dec 2;32(3):383–9 (37 ref.)

CHEMISTRY

Domain structure in aggregating proteoglycans from cartilage. Hardingham TE, et al. **Biochem Soc Trans** 1990 Oct;18(5):794–6 (20 ref.)

IMMUNOLOGY

Proteoglycan–specific autoreactive antibodies and T–lymphocytes in experimental arthritis and human rheumatoid joint diseases. Glant TT, et al. **Biochem Soc Trans** 1990 Oct;18(5):796–9 (40 ref.)

METABOLISM

Proteoglycan structure and metabolism during maturation and ageing of human articular cartilage. Bayliss MT. **Biochem Soc Trans** 1990 Oct;18(5):799–802 (14 ref.)
Monoclonal antibodies against chondroitin sulphate isomers: their use as probes for investigating proteoglycan metabolism. Caterson B, et al. **Biochem Soc Trans** 1990 Oct;18(5):820–3 (27 ref.)
Changes in proteoglycans in osteoarthritis: biochemistry, ultrastructure and biosynthetic processing. Malemud CJ. **J Rheumatol Suppl** 1991 Feb;27:60–2 (24 ref.)
Circulating keratan sulfate: a marker of cartilage proteoglycan catabolism in osteoarthritis. Thonar EJ, et al. **J Rheumatol Suppl** 1991 Feb;27:24–6 (20 ref.)
Proteoglycans in megakaryocyte development. Schick BP. **Prog Clin Biol Res** 1990;356:93–104 (42 ref.)
Proteoglycans of articular cartilage: changes in aging and in joint disease. Hardingham T, et al. **Semin Arthritis Rheum** 1990 Dec;20(3 Suppl 1):12–33 (47 ref.)
The small proteoglycans of cartilage matrix. Stanescu V. **Semin Arthritis Rheum** 1990 Dec;20(3 Suppl 1):51–64 (142 ref.)

PHARMACOLOGY

Induction of immunopotentiation activity by a protein–bound polysaccharide, PSK (review). Sakagami H, et al. **Anticancer Res** 1991 Mar–Apr;11(2):993–9 (40 ref.)

PHYSIOLOGY

Proteoglycans, lipoproteins, and atherosclerosis. Srinivasan SR, et al. **Adv Exp Med Biol** 1991;285:373–81 (16 ref.)
The coming of age of proteoglycans. Muir H. **Biochem Soc Trans** 1990 Oct;18(5):787–9 (38 ref.)
Structure and function of extracellular matrix proteoglycans. Oldberg A, et al. **Biochem Soc Trans** 1990 Oct;18(5):789–92 (26 ref.)
Proteoglycans in haemopoietic cells. Kolset SO, et al. **Biochim Biophys Acta** 1990 Dec 11;1032(2–3):191–211 (170 ref.)
Proteoglycans as modulators of growth factor activities. Ruoslahti E, et al. **Cell** 1991 Mar 8;64(5):867–9 (19 ref.)
Role of proteoglycan in the provisional calcification of cartilage. A review and reinterpretation. Hunter GK. **Clin Orthop** 1991 Jan;(262):256–80 (124 ref.)
Arterial wall proteoglycans—biological properties related to pathogenesis of atherosclerosis. Radhakrishnamurthy B, et al. **Eur Heart J** 1990 Aug;11 Suppl E:148–57 (19 ref.)
The role of proteoglycans in cervical dilatation. Uldbjerg N, et al. **Semin Perinatol** 1991 Apr;15(2):127–32 (25 ref.)
[Proteoglycans: their structure and function in the connective tissue] Skop B, et al. **Postepy Hig Med Dosw** 1989; 43(2–4):329–47 (85 ref.) (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

Electron microscopic studies of cartilage proteoglycans. Buckwalter JA, et al. **Electron Microsc Rev** 1988; 1(1):87–112 (95 ref.)
Mapping of proteoglycans in atherosclerotic lesions. Völker W, et al. **Eur Heart J** 1990 Aug;11 Suppl E:29–40 (50 ref.)

PROTEOLIPIDS

see related
LIPOPROTEINS

ANALYSIS

Expression of the jimpy phenotype in relation to proteolipid protein appearance. Skoff RP, et al. **Ann N Y Acad Sci** 1990;605:122–34 (48 ref.)

GENETICS

Strategies for analysis of gene expression: pulmonary surfactant proteins. Stripp BR, et al. **Am J Physiol** 1990 Oct;259(4 Pt 1):L185–97 (133 ref.)
Function and regulation of expression of pulmonary surfactant–associated proteins. Weaver TE, et al. **Biochem J** 1991 Jan 15;273(Pt 2):249–64 (221 ref.)

PHYSIOLOGY

Structures and properties of the surfactant–associated proteins. Hawgood S, et al. **Annu Rev Physiol** 1991; 53:375–94 (99 ref.)

PROTEOLYTIC ENZYMES see **PEPTIDE HYDROLASES**

PROTESTANTISM see **CHRISTIANITY**

PROTEUS INFECTIONS

DIAGNOSIS

[Adrenal abscess in the newborn: a case report and review of the literature] Lizardo–Barahona JR, et al. **Bol Med Hosp Infant Mex** 1990 Jun;47(6):401–4 (13 ref.) (Eng. Abstr.) **(Spa)**

PROTEUS MIRABILIS

[Adrenal abscess in the newborn: a case report and review of the literature] Lizardo–Barahona JR, et al. **Bol Med Hosp Infant Mex** 1990 Jun;47(6):401–4 (13 ref.) (Eng. Abstr.) **(Spa)**

PROTHROMBIN

METABOLISM

Prothrombinase: recognition and developments. Seegers WH. **Adv Exp Med Biol** 1990;281:93–6 (0 ref.)

PROTHROMBIN TIME

[Standardized prothrombin time determinations and optimal anticoagulant therapy] Jespersen J, et al. **Ugeskr Laeger** 1991 Jan 28;153(5):355–60 (20 ref.) (Eng. Abstr.) **(Dan)**

PROTO–ONCOGENE PROTEIN FMS see **RECEPTOR, MACROPHAGE COLONY–STIMULATING FACTOR**

PROTO–ONCOGENE PROTEIN P21(RAS)

The ras protein family: evolutionary tree and role of conserved amino acids. Valencia A, et al. **Biochemistry** 1991 May 14;30(19):4637–48 (95 ref.)

GENETICS

GTPase–inhibiting mutations in the alpha subunit of Gs. Masters SB, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:70–5 (23 ref.)
Reversion and rereversion in ras–transformed cells. Marshall CJ. **Immunol Ser** 1990;51:89–106 (81 ref.)

METABOLISM

Fluorescence approaches to the study of the p21ras GTPase mechanism. Eccleston JF, et al. **Biochem Soc Trans** 1991 Apr;19(2):432–7 (26 ref.)

PHYSIOLOGY

Small GTP–binding proteins of the ras family: a conserved functional mechanism? Chardin P. **Cancer Cells** 1991 Apr; 3(4):117–26 (49 ref.)
Ras C–terminal processing enzymes—new drug targets? Gibbs JB. **Cell** 1991 Apr 5;65(1):1–4 (29 ref.)
The interplay between ras oncogenes and tumor suppressor genes in experimental carcinogenesis. Balmain A, et al. **Immunol Ser** 1990;51:75–88 (59 ref.)

PROTO–ONCOGENE PROTEIN PP60(C–SRC)

GENETICS

src–related tyrosine protein kinases as signaling components in hematopoietic cells [published erratum appears in Cancer Cells 1990 Dec;2(12):405] Eiseman E, et al. **Cancer Cells** 1990 Oct;2(10):303–10 (75 ref.)

PHYSIOLOGY

Functional aspects of the c–src gene. Barnekow A. **Crit Rev Oncog** 1989;1(3):277–92 (138 ref.)
Function, location, and regulation of the src protein–tyrosine kinase. Varmus H, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:63–70 (40 ref.)

PROTO–ONCOGENE PROTEINS

ANALYSIS

Use of monoclonal antibodies as probes for oncogene products. Niman HL. **Immunol Ser** 1990;53:189–204 (119 ref.)
Neu (c–erbB–2), a tumor marker in carcinoma of the female breast. Maguire HC Jr, et al. **Pathobiology** 1990; 58(6):297–303 (75 ref.)

BIOSYNTHESIS

The role of the epidermal growth factor receptor and the c–erbB–2 protein in breast cancer. Gullick WJ. **Int J Cancer Suppl** 1990;5:55–61 (82 ref.)

GENETICS

Neu (C–erbB–2) oncogene in breast cancer and its possible association with the risk of distant metastases. A retrospective study and review of literature. Makar AP, et al. **Acta Oncol** 1990;29(7):931–4 (30 ref.)
Fosvergnügen. The excitement of immediate–early genes. Schilling K, et al. **Ann N Y Acad Sci** 1991;627:115–23 (47 ref.)
Nuclear proto–oncogenes fos and jun. Ransone LJ, et al. **Annu Rev Cell Biol** 1990;6:539–57 (114 ref.)
Stimulus–transcription coupling in the nervous system: involvement of the inducible proto–oncogenes fos and jun. Morgan JI, et al. **Annu Rev Neurosci** 1991;14:421–51 (177 ref.)
bcl–1, t(11;14), and mantle cell–derived lymphomas [editorial] Raffeld M, et al. **Blood** 1991 Jul 15;78(2):259–63 (50 ref.)
c–erbB–2 oncogene as a prognostic marker in breast cancer [editorial] Perren TJ. **Br J Cancer** 1991 Mar;63(3):328–32 (50 ref.)
The bcl–2 gene and protein in malignant lymphomas. Cleary ML. **Bull Cancer (Paris)** 1991;78(2):187–93 (27 ref.)
The structure and function of the fos proto–oncogene. Cohen DR, et al. **Crit Rev Oncog** 1989;1(1):65–88 (190 ref.)
raf oncogenes in carcinogenesis. Storm SM, et al. **Crit Rev Oncog** 1990;2(1):1–8 (77 ref.)
Molecular analysis of the ets genes and their products. Watson DK, et al. **Crit Rev Oncog** 1990;1(4):409–36 (139 ref.)
Nuclear oncogenes. Ghysdael J, et al. **Curr Opin Cell Biol** 1991 Jun;3(3):484–91 (92 ref.)
The c–src family of protein–tyrosine kinases. Brickell PM. **Int J Exp Pathol** 1991 Feb;72(1):97–108 (68 ref.)
Phenotype suppression: a postulated molecular mechanism for mediating the relationship of proliferation and differentiation by Fos/Jun interactions at AP–1 sites in steroid responsive promoter elements of tissue–specific genes. Lian JB, et al. **J Cell Biochem** 1991 Jan;45(1):9–14 (38 ref.)
Characterization of int–2: a member of the fibroblast growth factor family. Dickson C, et al. **J Cell Sci Suppl** 1990; 13:87–96 (32 ref.)
Growth factor and proto–oncogene expression in psoriasis. Elder JT, et al. **J Invest Dermatol** 1990 Nov;95(5):7S–9S (17 ref.)
Translocations t(14;18) and t(8;14) with rearranged bcl–2 and c–myc in a case presenting as B–ALL (L3). Brito–Babapulle V, et al. **Leukemia** 1991 Jan;5(1):83–7 (36 ref.)
Fos–jun and the primary genomic response in the nervous system. Possible physiological role and pathophysiological significance. Doucet JP, et al. **Mol Neurobiol** 1990 Spring–Summer;4(1–2):27–55 (205 ref.)
t(2;18) and t(18;22) variant chromosomal translocations and bcl–2 gene rearrangements in human malignant lymphomas. Larsen CJ, et al. **Nouv Rev Fr Hematol** 1990;32(6):401–3 (10 ref.)
The bcl–2 gene and 14;18 translocation in lymphoproliferative disorders. Pezzella F, et al. **Nouv Rev Fr Hematol** 1990;32(6):397–9 (14 ref.)
Complete coding sequence of a human B–raf cDNA and detection of B–raf protein kinase with isozyme specific antibodies. Sithanandam G, et al. **Oncogene** 1990 Dec; 5(12):1775–80 (33 ref.)
The ski oncogene. Sutrave P, et al. **Oncogene** 1991 Mar; 6(3):353–6 (13 ref.)
The structure and function of the int–2 oncogene. Dickson C, et al. **Prog Growth Factor Res** 1989;1(3):123–32 (41 ref.)
Fos and jun: two into one will go. Woodgett JR. **Semin Cancer Biol** 1990 Dec;1(6):389–97 (69 ref.)
The murine W/c–kit and Steel loci and the control of hematopoiesis. Bernstein A, et al. **Semin Hematol** 1991 Apr; 28(2):138–42 (32 ref.)

METABOLISM

A common denominator linking glycogen metabolism, nuclear oncogenes and development. Woodgett JR. **Trends Biochem Sci** 1991 May;16(5):177–81 (27 ref.)

PHYSIOLOGY

Cross–coupling of AP–1 and intracellular hormone receptors. Lamph WW. **Cancer Cells** 1991 May;3(5):183–5 (20 ref.)
The Raf–1 kinase as a transducer of mitogenic signals. Morrison DK. **Cancer Cells** 1990 Dec;2(12):377–82 (44 ref.)
Keeping track of neurotrophin receptors. Bothwell M. **Cell** 1991 Jun 14;65(6):915–8 (28 ref.)

Raf-1: a kinase currently without a cause but not lacking in effects. Li P, et al. **Cell** 1991 Feb 8;64(3):479–82 (24 ref.)
fos-jun Conspiracy: implications for the cell. Verma IM, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:119–26 (18 ref.)
Receptor-like oncogenes: functional analysis through novel experimental approaches. Yarden Y. **Mol Immunol** 1990 Dec;27(12):1319–24 (46 ref.)
Role of Raf-1 serine/threonine protein kinase in growth factor signal transduction. Rapp UR. **Oncogene** 1991 Apr; 6(4):495–500 (43 ref.)
Receptor tyrosine kinases mediate cell-cell interactions during Drosophila development. Basler K, et al. **Prog Growth Factor Res** 1990;2(1):15–27 (34 ref.)
Structure and activities of the ski oncogene. Colmenares C, et al. **Semin Cancer Biol** 1990 Dec;1(6):383–7 (22 ref.)
The lymphocyte-specific tyrosine protein kinase p56lck. Veillette A, et al. **Semin Immunol** 1991 May;3(3):143–52 (62 ref.)
[The role of proto-oncogenes in fundamental manifestations of life] Selts IF. **Eksp Onkol** 1990;12(6):14–26 (71 ref.) (Eng. Abstr.) **(Rus)**

PROTO-ONCOGENE PROTEINS C-ABL

see related
FUSION PROTEINS, BCR-ABL

PROTO-ONCOGENE PROTEINS C-MYC

GENETICS

The c-myc proto-oncogene in invasive carcinomas of the uterine cervix: clinical relevance of overexpression in early stages of the cancer. Riou GF, et al. **Anticancer Res** 1990 Sep-Oct;10(5A):1225–31 (36 ref.)

PHYSIOLOGY

The myc gene family proteins and their role in transformation and differentiation. Ingvarsson S. **Semin Cancer Biol** 1990 Dec;1(6):359–69 (91 ref.)

PROTO-ONCOGENES

Neu (C-erbB-2) oncogene in breast cancer and its possible association with the risk of distant metastases. A retrospective study and review of literature. Makar AP, et al. **Acta Oncol** 1990;29(7):931–4 (30 ref.)
Proto-oncogene activation in rodent and human tumors. Anderson MW, et al. **Adv Exp Med Biol** 1991;283:235–43 (63 ref.)
ETS family of genes in leukemia and Down syndrome. Papas TS, et al. **Am J Med Genet Suppl** 1990;7:251–61 (51 ref.)
The c-myc proto-oncogene in invasive carcinomas of the uterine cervix: clinical relevance of overexpression in early stages of the cancer. Riou GF, et al. **Anticancer Res** 1990 Sep-Oct;10(5A):1225–31 (36 ref.)
Protein kinases and protooncogenes: biochemical regulators of the eukaryotic cell cycle. Freeman RS, et al. **Biochemistry** 1991 Mar 5;30(9):2293–302 (121 ref.)
Activation of the cyclic AMP cascade as an oncogenic mechanism: the thyroid example. Maenhaut C, et al. **Biochimie** 1991 Jan;73(1):29–36 (63 ref.)
Peptide growth factors and proto-oncogenes in mammalian conceptus development. Simmen FA, et al. **Biol Reprod** 1991 Jan;44(1):1–5 (60 ref.)
bcl-1, t(11;14), and mantle cell-derived lymphomas [editorial] Raffeld M, et al. **Blood** 1991 Jul 15;78(2):259–63 (50 ref.)
c-erbB-2 oncogene as a prognostic marker in breast cancer [editorial] Perren TJ. **Br J Cancer** 1991 Mar;63(3):328–32 (50 ref.)
Molecular themes in oncogenesis. Bishop JM. **Cell** 1991 Jan 25;64(2):235–48 (191 ref.)
Steel locus defines new multipotent growth factor [published erratum appears in Cell 1990 Nov 30;63(5):following 1112] Witte ON. **Cell** 1990 Oct 5;63(1):5–6 (15 ref.)
The molecular biology of acute myeloid leukemia. Proto-oncogene expression and function in normal and neoplastic myeloid cells. Willman CL, et al. **Clin Lab Med** 1990 Dec;10(4):769–96 (126 ref.)
The structure and function of the fos proto-oncogene. Cohen DR, et al. **Crit Rev Oncog** 1989;1(1):65–88 (190 ref.)
raf oncogenes in carcinogenesis. Storm SM, et al. **Crit Rev Oncog** 1990;2(1):1–8 (77 ref.)
Molecular analysis of the ets genes and their products. Watson DK, et al. **Crit Rev Oncog** 1990;1(4):409–36 (139 ref.)
Nuclear oncogenes. Ghysdael J, et al. **Curr Opin Cell Biol** 1991 Jun;3(3):484–91 (92 ref.)
Cytogenetics in malignant lymphomas. Kaneko Y. **Curr Opin Oncol** 1990 Oct;2(5):816–21 (20 ref.)
The human leukemia cell line, THP-1: a multifacetted model for the study of monocyte-macrophage differentiation. Auwerx J. **Experientia** 1991 Jan 15;47(1):22–31 (114 ref.)
New light on Myc and Myb. Part II. Myb. Lüscher B, et al. **Genes Dev** 1990 Dec;4(12B):2235–41 (73 ref.)
New light on Myc and Myb. Part I. Myc. Lüscher B, et al. **Genes Dev** 1990 Dec;4(12A):2025–35 (153 ref.)
Retroviral-related genes, proto-oncogenes, and breast cancer. Callahan R, et al. **Immunol Ser** 1989;43:623–42 (97 ref.)
Characterization and functional allotment of proto-oncogenes belonging to the src family. Toyoshima K, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:111–7 (21 ref.)
Characterization of int-2: a member of the fibroblast growth factor family. Dickson C, et al. **J Cell Sci Suppl** 1990; 13:87–96 (32 ref.)
Monoclonal antibody therapy of human cancer: taking the HER2 protooncogene to the clinic. Shepard HM, et al. **J Clin Immunol** 1991 May;11(3):117–27 (35 ref.)
Translocations t(14;18) and t(8;14) with rearranged bcl-2 and c-myc in a case presenting as B-ALL (L3). Brito-Babapulle V, et al. **Leukemia** 1991 Jan;5(1):83–7 (36 ref.)
Proto-oncogene and tumor suppressor gene involvement in human lymphomas. Saglio G, et al. **Leukemia** 1991;5 Suppl 1:7–11 (33 ref.)
Fos-jun and the primary genomic response in the nervous system. Possible physiological role and pathophysiological significance. Doucet JP, et al. **Mol Neurobiol** 1990 Spring-Summer;4(1–2):27–55 (205 ref.)
Role of DNA methylation in the activation of proto-oncogenes and the induction of pulmonary neoplasia by nitrosamines. Belinsky SA, et al. **Mutat Res** 1990 Nov-Dec;233(1–2):105–16 (44 ref.)
Multiple determinants of eukaryotic mRNA stability. Cleveland DW, et al. **New Biol** 1989 Nov;1(2):121–6 (33 ref.)
The c-fgr proto-oncogene: expression in Epstein-Barr-virus-infected B lymphocytes and in cells of the myelomonocytic and granulocytic lineages. Patel M, et al. **Pathobiology** 1991;59(4):289–92 (20 ref.)
[Oncogenes and oncogene products—possibilities and significance of their detection] Höfler H. **Verh Dtsch Ges Pathol** 1990;74:319–27 (34 ref.) (Eng. Abstr.) **(Ger)**
[Molecular mechanisms of oncogene activation in hematological malignancies] Ino T, et al. **Nippon Rinsho** 1991 Jan;49(1):247–57 (20 ref.) **(Jpn)**
[bcl-2 gene in B cell lymphoma] Seto M, et al. **Rinsho Ketsueki** 1991 Jun;32(6):644–9 (15 ref.) (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Inhibition of protooncogene expression by antisense oligodeoxynucleotides: biological and therapeutic implications. Calabretta B. **Cancer Res** 1991 Sep 1; 51(17):4505–10 (60 ref.)
Growth factor-responsive genes in fibroblasts. Bravo R. **Cell Growth Differ** 1990 Jun;1(6):305–9 (71 ref.)
Growth factor-induced gene expression: the ups and downs of c-fos regulation. Rivera VM, et al. **New Biol** 1990 Sep; 2(9):751–8 (76 ref.)

GENETICS

Nuclear proto-oncogenes fos and jun. Ransone LJ, et al. **Annu Rev Cell Biol** 1990;6:539–57 (114 ref.)
Stimulus-transcription coupling in the nervous system: involvement of the inducible proto-oncogenes fos and jun. Morgan JI, et al. **Annu Rev Neurosci** 1991;14:421–51 (177 ref.)
Nobel lecture. Retroviruses and oncogenes. I. Varmus HE. **Biosci Rep** 1990 Oct;10(5):413–30 (84 ref.)
The use of comparative mapping to identify loci involved in human carcinogenesis. Roderick TH, et al. **Birth Defects** 1990;26(1):141–78 (150 ref.)
The activation of cellular oncogenes by proviral insertion in murine mammary cancer. Nusse R. **Cancer Treat Res** 1988;40:283–306 (110 ref.)
Biological signals of cardiac hypertrophy. Samuel JL, et al. **Eur Heart J** 1990 Nov;11 Suppl G:1–7 (60 ref.)
Role of the int-genes in murine mammary tumor development and implications for human breast cancer. Dickson C. **Int J Cancer Suppl** 1990;5:51–4 (34 ref.)
Mutations in human breast cancer cells: dominantly-acting oncogenes and tumor suppressor genes suggest strategies for targeted interference. Groner B, et al. **Int J Cancer Suppl** 1990;5:40–6 (60 ref.)
The ETS family of genes: structural analysis, gene products, and involvement in neoplasia and other pathologies. Papas TS, et al. **Prog Clin Biol Res** 1990;360:137–68 (53 ref.)
[Neuropeptides and regulation of various proto-oncogenes in cultured anterior pituitary cells] Gourdji D. **Ann Endocrinol (Paris)** 1990;51(3–4):126–9 (10 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Gene amplification in human lung cancer. The myc family genes and other proto-oncogenes and growth factor genes. Bergh JC. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S20–6 (77 ref.)
Growth factors, proto-oncogenes, and plasticity of the cardiac phenotype. Parker TG, et al. **Annu Rev Physiol** 1991;53:179–200 (140 ref.)
Functional aspects of the c-src gene. Barnekow A. **Crit Rev Oncog** 1989;1(3):277–92 (138 ref.)
Protooncogenes and growth factors associated with normal and abnormal liver growth. Fausto N. **Dig Dis Sci** 1991 May;36(5):653–8 (35 ref.)
Oncogene expression in prostate cancer. Schalken JA, et al. **Prog Clin Biol Res** 1990;357:97–105 (52 ref.)
Fos and jun: two into one will go. Woodgett JR. **Semin Cancer Biol** 1990 Dec;1(6):389–97 (69 ref.)
[Proto-oncogenes activation in human solid tumors] Birnbaum D, et al. **Bull Cancer (Paris)** 1990;77(9):857–75 (143 ref.) (Eng. Abstr.) **(Fre)**
[The role of proto-oncogenes in fundamental manifestations of life] Selts IF. **Eksp Onkol** 1990;12(6):14–26 (71 ref.) (Eng. Abstr.) **(Rus)**

PROTOCOL-DIRECTED THERAPY, COMPUTER-ASSISTED see **THERAPY, COMPUTER-ASSISTED**

PROTOCOL DRUG THERAPY, COMPUTER-ASSISTED see **DRUG THERAPY, COMPUTER-ASSISTED**

PROTOCOLLAGEN see **PROCOLLAGEN**

PROTOCOLS, CLINICAL see **CLINICAL PROTOCOLS**

PROTOHEME see **HEME**

PROTON-INDUCED X-RAY EMISSION SPECTROMETRY see **SPECTROMETRY, X-RAY EMISSION**

PROTON-TRANSLOCATING ATPASE COMPLEX see **H(+)-TRANSPORTING ATPASE**

PROTONS

Cation antiporters. Khananshvili D. **Curr Opin Cell Biol** 1990 Aug;2(4):731–4 (17 ref.)
The possible role of redox-associated protons in growth of plant cells. Barr R. **J Bioenerg Biomembr** 1991 Jun; 23(3):443–67 (113 ref.)
Proton-linked sugar transport systems in bacteria. Henderson PJ. **J Bioenerg Biomembr** 1990 Aug;22(4):525–69 (236 ref.)
Protons and osteoclasts. Arnett TR, et al. **J Bone Miner Res** 1990 Nov;5(11):1099–103 (76 ref.)
Protons and regulation of biological functions. Ganapathy V, et al. **Kidney Int Suppl** 1991 Jul;33:S4–10 (59 ref.)
Mechanism and regulation of proton transport in the outer medullary collecting duct. Jacobson HR, et al. **Kidney Int Suppl** 1991 Jul;33:S51–6 (27 ref.)
Membrane systems in which foreign proton pumps are incorporated. Driessen AJ, et al. **Microbiol Sci** 1987 Jun; 4(6):173–80 (24 ref.)
Three proton-pumping ATPases in yeast. Goffeau A, et al. **Microbiol Sci** 1986 Jun;3(6):164–8 (25 ref.)
Proton transport, charge transfer, and variable stoichiometry of the Na,K-ATPase. Blostein R, et al. **Soc Gen Physiol Ser** 1991;46:289–301 (26 ref.)
[Proton potential on the inner mitochondrial membrane and its role in mitochondrial processes] Zółkiewska A. **Postepy Biochem** 1989;35(4):427–35 (60 ref.) **(Pol)**

PROTOPLASTS

CYTOLOGY

Developments in protoplast fusion in fungi. Peberdy JF. **Microbiol Sci** 1987 Apr;4(4):108–14 (27 ref.)

PROTOPORPHYRINS

BLOOD

[Severe liver complications in protoporphyria] Frank M, et al. **Internist (Berl)** 1991 May;32(5):277–82 (38 ref.) **(Ger)**
[Usefulness of the determination of free erythrocyte protoporphyrin in relation to other hematologic parameters in iron deficiency] García-Cubillana de la Cruz JM, et al. **An Esp Pediatr** 1990 Aug;33(2):129–34 (33 ref.) (Eng. Abstr.) **(Spa)**

PROTOTHECA

ISOLATION & PURIFICATION

[Protothecosis and chlorellosis, 2 infections induced by algae] Rurangirwa A, et al. **Rev Med Liege** 1990 Aug; 45(8):398–401 (18 ref.) **(Fre)**

PROTOZOA

Archamoebae: the ancestral eukaryotes? Cavalier-Smith T. **Biosystems** 1991;25(1–2):25–38 (36 ref.)

CLASSIFICATION

The Dactylosomatidae. Barta JR. **Adv Parasitol** 1991;30:1–37 (82 ref.)
Paleozoic Foraminifera. Ross CA, et al. **Biosystems** 1991; 25(1–2):39–51 (17 ref.)
Blastocystis hominis—past and future. Zierdt CH. **Clin Microbiol Rev** 1991 Jan;4(1):61–79 (95 ref.)
Microsporidia: opportunistic pathogens in patients with AIDS. Bryan RT, et al. **Prog Clin Parasitol** 1991;2:1–26

(74 ref.)

CYTOLOGY

Cell proliferation in metazoans: negative control mechanisms. Sonnenschein C, et al. **Cancer Treat Res** 1991;53:171–94 (90 ref.)

DRUG EFFECTS

Newly documented antimicrobial activity of quinolones. Furet YX, et al. **Eur J Clin Microbiol Infect Dis** 1991 Apr; 10(4):249–54 (48 ref.)

Drug resistance in Giardia intestinalis. Upcroft JA, et al. **Int J Parasitol** 1990 Jul;20(4):489–96 (39 ref.)

GENETICS

RNA editing in kinetoplastid mitochondria. Feagin JE. **J Biol Chem** 1990 Nov 15;265(32):19373–6 (41 ref.)

Genetic exchange and evolutionary relationships in protozoan and helminth parasites. Tait A. **Parasitology** 1990;100 Suppl:S75–87 (78 ref.)

RNA editing: what's in a mechanism? [news] Hoffman M. **Science** 1991 Jul 12;253(5016):136–8 (5 ref.)

IMMUNOLOGY

Antigenic variation in parasitic protozoa. Langsley G, et al. **Microbiol Sci** 1987 Sep;4(9):280–5 (27 ref.)

METABOLISM

Lipid metabolism in anaerobic ecosystems. Mackie RI, et al. **Crit Rev Microbiol** 1991;17(6):449–79 (280 ref.)

Microbiological applications of NMR spectroscopy. Part 1. Baxter RL. **Microbiol Sci** 1985 Jul;2(7):203–6, 211 (17 ref.)

PATHOGENICITY

Cell adhesion and invasion mechanisms in microbial pathogenesis. Finlay BB. **Curr Opin Cell Biol** 1990 Oct; 2(5):815–20 (15 ref.)

PHYSIOLOGY

Symbiosis of protozoa with hydrogen-utilizing methanogens. Stumm CK, et al. **Microbiol Sci** 1986 Apr;3(4):100–5 (23 ref.)

[Myxozoa as parasites of the central nervous system of fishes] Hoffmann RW, et al. **Tierarztl Prax** 1991 Jun;19(3):324–30 (24 ref.) (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

[Specialized radiation-induced heritable nonstochastic damage at the cellular level of the organization] Bychkovskaia IB, et al. **Radiobiologila** 1990 Jul–Aug; 30(4):467–76 (39 ref.) (Eng. Abstr.) **(Rus)**

PROTOZOAN ANTIBODIES see **ANTIBODIES, PROTOZOAN**

PROTOZOAN ANTIGENS see **ANTIGENS, PROTOZOAN**

PROTOZOAN DNA see **DNA, PROTOZOAN**

PROTOZOAN INFECTIONS

Meningitis due to protozoa and helminths. Niu MT, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):809–41 (187 ref.)

COMPLICATIONS

Blastocystis hominis: an unusual cause of diarrhoea. Dawes RF, et al. **Br J Clin Pract** 1990 Dec;44(12):714–6 (5 ref.)

Opportunistic protozoan infections in human immunodeficiency virus disease: review highlighting diagnostic and therapeutic aspects. Curry A, et al. **J Clin Pathol** 1991 Mar;44(3):182–93 (84 ref.)

Therapy for acute infectious diarrhea in children. Pickering LK. **J Pediatr** 1991 Apr;118(4 (Pt 2)):S118–28 (101 ref.)

Microsporidia: opportunistic pathogens in patients with AIDS. Bryan RT, et al. **Prog Clin Parasitol** 1991;2:1–26 (74 ref.)

DIAGNOSIS

Bacterial and protozoal gastroenteritis. Guerrant RL, et al. **N Engl J Med** 1991 Aug 1;325(5):327–40 (228 ref.)

[The polymerase chain reaction used in microbiologic diagnosis] Ostergaard LJ, et al. **Ugeskr Laeger** 1991 Jan 7;153(2):91–4 (30 ref.) (Eng. Abstr.) **(Dan)**

[Intestinal parasitic diseases—diagnosis and therapy] Schubert S. **Z Arztl Fortbild (Jena)** 1991 May 10; 85(9):431–5 (15 ref.) **(Ger)**

DRUG THERAPY

Therapy and prophylaxis of systemic protozoan infections. Van Voorhis WC. **Drugs** 1990 Aug;40(2):176–202 (117 ref.)

IMMUNOLOGY

The involvement of TNF, IL-1 and IL-6 in the immune response to protozoan parasites. Titus RG, et al. **Immunol Today** 1991 Mar;12(3):A13–6 (50 ref.)

PARASITOLOGY

Blastocystis hominis—past and future. Zierdt CH. **Clin Microbiol Rev** 1991 Jan;4(1):61–79 (95 ref.)

[Common characteristics of the invasion of host cells by sporozoa] Dubremetz JF. **Ann Parasitol Hum Comp** 1990; 65 Suppl 1:23–5 (17 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Heat shock proteins in host–parasite interactions. Polla BS. **Immunol Today** 1991 Mar;12(3):A38–41 (40 ref.)

THERAPY

Medicinal plants in tropical medicine. 1. Medicinal plants against protozoal diseases. Phillipson JD, et al. **Trans R Soc Trop Med Hyg** 1991 Jan–Feb;85(1):18–21 (21 ref.)

TRANSMISSION

Nosocomial transmission and infection control aspects of parasitic and ectoparasitic diseases. Part II. Blood and tissue parasites. Lettau LA. **Infect Control Hosp Epidemiol** 1991 Feb;12(2):111–21 (121 ref.)

Foodborne protozoal infection [see comments] Casemore DP. **Lancet** 1990 Dec 8;336(8728):1427–32 (33 ref.) Comment in: Lancet 1991 Feb 9;337(8737):376–7.

[Ecological transformations: insect-transmitted infections today] Cardesa JJ, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 38:4–10 (43 ref.) **(Spa)**

VETERINARY

The Dactylosomatidae. Barta JR. **Adv Parasitol** 1991;30:1–37 (82 ref.)

Influence of pollution on parasites of aquatic animals. Khan RA, et al. **Adv Parasitol** 1991;30:201–38 (143 ref.)

Antipodean aquaculture agents. Overstreet RM. **Int J Parasitol** 1990 Jul;20(4):551–64 (54 ref.)

Canine haemobartonellosis, canine hepatozoonosis, and feline cytauxzoonosis. Hoskins JD. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):129–40 (45 ref.)

[Myxozoa as parasites of the central nervous system of fishes] Hoffmann RW, et al. **Tierarztl Prax** 1991 Jun;19(3):324–30 (24 ref.) (Eng. Abstr.) **(Ger)**

PROTOZOAN PROTEINS

CHEMISTRY

Structure and possible function of Plasmodium falciparum proteins exported to the erythrocyte membrane. Knapp B, et al. **Parasitol Res** 1991;77(4):277–82 (43 ref.)

GENETICS

Expression and functions of P-glycoprotein (mdr1 gene product) in normal and malignant tissues. Sugawara I. **Acta Pathol Jpn** 1990 Aug;40(8):545–53 (42 ref.)

Proteins of unusual sequence composition from the malarial parasite Plasmodium falciparum. Ridley RG. **Biochem Soc Trans** 1991 Apr;19(2):525–8 (17 ref.)

Malaria and Leishmania parasites share the knob-associated histidine-rich protein gene sequences. Sharma YD. **Comp Biochem Physiol [B]** 1991;98(4):433–5 (10 ref.)

Toxoplasma gondii—new advances in cellular and molecular biology. McLeod R, et al. **Exp Parasitol** 1991 Jan; 72(1):109–21 (66 ref.)

Genes of Acanthamoeba: DNA, RNA and protein sequences (a review). Byers TJ, et al. **J Protozool** 1990 Jul–Aug; 37(4):17S–25S (85 ref.)

IMMUNOLOGY

Immunogenicity of Plasmodium falciparum sexual stage antigens: implications for the design of a transmission blocking vaccine. Kaslow DC. **Immunol Lett** 1990 Aug; 25(1–3):83–6 (11 ref.)

Naturally acquired immunity to Plasmodium falciparum. Day KP, et al. **Immunol Today** 1991 Mar;12(3):A68–71 (37 ref.)

Antigenic polymorphism in malaria: is it an important mechanism for immune evasion? Mendis KN, et al. **Immunol Today** 1991 Mar;12(3):A34–7 (43 ref.)

METABOLISM

Microbial stress proteins. Watson K. **Adv Microb Physiol** 1990;31:183–223 (293 ref.)

PROTOZOAN RNA see **RNA, PROTOZOAN**

PROTOZOAN VACCINES

On the use of mathematical models of malaria transmission. Koella JC. **Acta Trop (Basel)** 1991 Apr;49(1):1–25 (47 ref.)

Recombinant proteins and synthetic peptides as malaria vaccine candidates. Nussenzweig RS. **Can J Microbiol** 1990 Nov;36(11):817–20 (22 ref.)

Human immune responses against sexual stages of malaria parasites: considerations for malaria vaccines. Mendis KN, et al. **Int J Parasitol** 1990 Jul;20(4):497–502 (23 ref.)

Towards a synthetic Babesia vaccine. Wright IG. **Int J Parasitol** 1991 Apr;21(2):156–9 (23 ref.)

Prospects for a malaria vaccine. Coppel RL. **Microbiol Sci** 1986 Oct;3(10):292–5 (23 ref.)

Development of vaccines against leishmaniasis. Modabber F. **Scand J Infect Dis Suppl** 1990;76:72–8 (36 ref.)

Immunity to sexual stages of human malaria parasites: immune modulation during natural infections, antigenic determinants, and the induction of transmission-blocking immunity. Targett G. **Scand J Infect Dis Suppl** 1990; 76:79–88 (31 ref.)

IMMUNOLOGY

Sporozoite malaria vaccine. Where do we stand? Nussenzweig V, et al. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:49–52 (19 ref.)

Where are we in the quest for vaccines for malaria? Siddiqui WA. **Drugs** 1991 Jan;41(1):1–10 (119 ref.)

Liposomes containing lipid A: a potent nontoxic adjuvant for a human malaria sporozoite vaccine. Alving CR, et al. **Immunol Lett** 1990 Aug;25(1–3):275–9 (27 ref.)

Immunogenicity of Plasmodium falciparum sexual stage antigens: implications for the design of a transmission blocking vaccine. Kaslow DC. **Immunol Lett** 1990 Aug; 25(1–3):83–6 (11 ref.)

Towards vaccine optimisation. Lussow AR, et al. **Immunol Lett** 1990 Aug;25(1–3):255–63 (54 ref.)

PROVIRUSES

see related
MUTAGENESIS, INSERTIONAL

GENETICS

Mouse retrotransposons: a cellular reservoir of long terminal repeat (LTR) elements with diverse transcriptional specificities. Keshet E, et al. **Adv Cancer Res** 1991; 56:215–51 (195 ref.)

Integration specificity of retrotransposons and retroviruses. Sandmeyer SB, et al. **Annu Rev Genet** 1990;24:491–518 (141 ref.)

Transgenic mice carrying HIV proviral DNA. Pezen DS, et al. **Biotechnology** 1991;16:213–26 (23 ref.)

The activation of cellular oncogenes by proviral insertion in murine mammary cancer. Nusse R. **Cancer Treat Res** 1988;40:283–306 (110 ref.)

PHYSIOLOGY

Host–parasite interactions: recent developments in the genetics of abortive phage infections. Molineux IJ. **New Biol** 1991 Mar;3(3):230–6 (48 ref.)

PROVOCATION TESTS, BRONCHIAL see **BRONCHIAL PROVOCATION TESTS**

PROVOCATION TESTS, NASAL see **NASAL PROVOCATION TESTS**

PROXIMAL RENAL TUBULAR DYSFUNCTION see **FANCONI SYNDROME**

PRPP SYNTHETASE see **RIBOSEPHOSPHATE PYROPHOSPHOKINASE**

PRURIGO

Bullous dermatoses and prurigo of pregnancy. Hayashi RH. **Clin Obstet Gynecol** 1990 Dec;33(4):746–53 (35 ref.)

PRURITUS

Pruritus in pregnancy. Dacus JV. **Clin Obstet Gynecol** 1990 Dec;33(4):738–45 (20 ref.)

CHEMICALLY INDUCED

[Secondary effects of opioids administered by the regional route] Ecoffey C. **Cah Anesthesiol** 1991;39(2):115–9 (47 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Evaluation and treatment of pruritus in the HIV-infected patient. Berger TG. **AIDS Clin Rev** 1989;:205–20 (26 ref.)

DRUG THERAPY

Diphenhydramine toxicity in three children with varicella-zoster infection. Chan CY, et al. **DICP** 1991 Feb; 25(2):130–2 (17 ref.)

ETIOLOGY

Evaluation and treatment of generalized pruritus. Kantor GR. **Cleve Clin J Med** 1990 Sep;57(6):521–6 (64 ref.)

Water-induced itching. Bircher AJ. **Dermatologica** 1990; 181(2):83–7 (39 ref.)

PUVA-induced itching and skin pain. Roelandts R, et al. **Photodermatol Photoimmunol Photomed** 1990 Aug; 7(4):141–2 (11 ref.)

Aquagenic pruritus. Archer CB, et al. **Semin Dermatol** 1988 Dec;7(4):301–3 (14 ref.)

Pruritus. Winkelmann RK. **Semin Dermatol** 1988 Dec; 7(4):233–5 (25 ref.)

THERAPY

Pruritus: advances in treatment. Bernhard JD. **Adv Dermatol** 1991;6:57–71; discussion 72 (79 ref.)
Treatment of pruritus. Fransway AF, et al. **Semin Dermatol** 1988 Dec;7(4):310–25 (176 ref.)

PSAMMOMYS see **GERBILLINAE**

PSEUDALLESCHERIA

ISOLATION & PURIFICATION

Pseudallescheria boydii and brain abscesses. Hachimi-Idrissi S, et al. **Pediatr Infect Dis J** 1990 Oct;9(10):737–41 (49 ref.)

PSEUDARTHROSIS

CONGENITAL

[Congenital pseudarthrosis of the clavicle. Apropos of a case report and literature review] LeGaye J, et al. **Acta Orthop Belg** 1991;57(2):209–12 (11 ref.) (Eng. Abstr.) **(Fre)**
[Congenital bowing and pseudoarthrosis of the tibia in children] Merloz P, et al. **Pediatrie** 1990;45(9):587–91 (15 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

[Considerations concerning the treatment of pseudarthrosis of the humerus] Beguin JM, et al. **Acta Orthop Belg** 1991; 57(2):114–23 (34 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Free vascularized fibula transfer in the management of congenital pseudarthrosis of the tibia. Manoylovic R, et al. **Microsurgery** 1991;12(3):170–4 (27 ref.)

PSEUDO-HURLER POLYDYSTROPHY see **MUCOLIPIDOSIS**

PSEUDO-OBSTRUCTION, COLONIC see **COLONIC PSEUDO-OBSTRUCTION**

PSEUDO-OBSTRUCTION, INTESTINAL see **INTESTINAL PSEUDO-OBSTRUCTION**

PSEUDOBULBAR PARALYSIS see **PARALYSIS**

PSEUDODEMENTIA see **FACTITIOUS DISORDERS**

PSEUDOGOUT see **CHONDROCALCINOSIS**

PSEUDOHYPOPARATHYROIDISM

GENETICS

[Pseudohypoparathyroidism. Report of two clinical cases] Collo G, et al. **Minerva Pediatr** 1990 Sep;42(9):355–61 (20 ref.) (Eng. Abstr.) **(Ita)**

PSEUDOMONAS

GENETICS

The TOL plasmids: determinants of the catabolism of toluene and the xylenes. Assinder SJ, et al. **Adv Microb Physiol** 1990;31:1–69 (190 ref.)
[Basic factors of pathogenicity and cloning of pseudomonads] Anishchenko MA. **Mol Gen Mikrobiol Virusol** 1991 May; (5):3–8 (94 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Cystic fibrosis. Infection and immunity to Pseudomonas. Sorensen RU, et al. **Clin Rev Allergy** 1991 Spring–Summer; 9(1–2):47–74 (187 ref.)

ISOLATION & PURIFICATION

Pseudomeningitis caused by Pseudomonas paucimobilis. Mitrani-Schwartz A, et al. **Heart Lung** 1991 May; 20(3):305–7 (18 ref.)

METABOLISM

Lysine–pipecolic acid metabolic relationships in microbes and mammals. Broquist HP. **Annu Rev Nutr** 1991;11:435–48 (48 ref.)
Industrial production of L-alanine using immobilized Escherichia coli and Pseudomonas dacunhae. Chibata I, et al. **Microbiol Sci** 1984 Jun;1(3):58–62 (5 ref.)
Outer membrane proteins of Pseudomonas. Hancock RE, et al. **Mol Microbiol** 1990 Jul;4(7):1069–75 (62 ref.)

PSEUDOMONAS AERUGINOSA

DRUG EFFECTS

[Antibiotic inhalation in cystic fibrosis. A review of the literature] Steinkamp G. **Monatsschr Kinderheilkd** 1991 Feb;139(2):73–80 (32 ref.) (Eng. Abstr.) **(Ger)**
[Epidemiologic aspects of enzymatic inactivation of aminoglycoside antibiotics] Taisova AS. **Antibiot Khimioter** 1990 Jul;35(7):52–6 (50 ref.) **(Rus)**

ENZYMOLOGY

Evolution of enzymatic mechanisms of resistance among beta-lactam antibiotics. Gutmann L, et al. **J Int Med Res** 1990;18 Suppl 4:37D–47D (33 ref.)
[Mechanism of action of proteinases of Pseudomonas aeruginosa] Saulnier J, et al. **Pathol Biol (Paris)** 1990 Dec; 38(10):968–74 (39 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Polysaccharide antigens of Pseudomonas aeruginosa. Knirel YA. **Crit Rev Microbiol** 1990;17(4):273–304 (231 ref.)

ISOLATION & PURIFICATION

Pseudomonas aeruginosa and cystic fibrosis: unusual bacterial adaptation and pathogenesis. Govan JR, et al. **Microbiol Sci** 1986 Oct;3(10):302–8 (36 ref.)

METABOLISM

Alginate synthesis by Pseudomonas aeruginosa: a key pathogenic factor in chronic pulmonary infections of cystic fibrosis patients. May TB, et al. **Clin Microbiol Rev** 1991 Apr;4(2):191–206 (172 ref.)
Alginate production by the mucoid Pseudomonas aeruginosa associated with cystic fibrosis. Gill JF, et al. **Microbiol Sci** 1987 Oct;4(10):296–9 (36 ref.)
Outer membrane proteins of Pseudomonas. Hancock RE, et al. **Mol Microbiol** 1990 Jul;4(7):1069–75 (62 ref.)

PSEUDOMONAS INFECTIONS

[Otitis externa maligna. Our experience] Giménez Vaíllo F, et al. **An Otorrinolaringol Ibero Am** 1990;17(4):385–95 (15 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Cystic fibrosis. 1. Pseudomonas aeruginosa infection in cystic fibrosis and its management. Høiby N, et al. **Thorax** 1990 Nov;45(11):881–4 (43 ref.)

DRUG THERAPY

Fluoroquinolones in the treatment of cystic fibrosis: a critical appraisal. LeBel M. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):316–24 (62 ref.)
Emergent resistance to ciprofloxacin amongst Pseudomonas aeruginosa and Staphylococcus aureus: clinical significance and therapeutic approaches. Ball P. **J Antimicrob Chemother** 1990 Dec;26 Suppl F:165–79 (75 ref.)
[Antibiotic inhalation in cystic fibrosis. A review of the literature] Steinkamp G. **Monatsschr Kinderheilkd** 1991 Feb;139(2):73–80 (32 ref.) (Eng. Abstr.) **(Ger)**
[Epidemiologic aspects of enzymatic inactivation of aminoglycoside antibiotics] Taisova AS. **Antibiot Khimioter** 1990 Jul;35(7):52–6 (50 ref.) **(Rus)**

ETIOLOGY

Pseudomonas aeruginosa and cystic fibrosis: unusual bacterial adaptation and pathogenesis. Govan JR, et al. **Microbiol Sci** 1986 Oct;3(10):302–8 (36 ref.)
[Malignant external otitis in diabetics] Ennouri A, et al. **Rev Laryngol Otol Rhinol (Bord)** 1989;110(1):9–12 (14 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Cystic fibrosis. Infection and immunity to Pseudomonas. Sorensen RU, et al. **Clin Rev Allergy** 1991 Spring–Summer; 9(1–2):47–74 (187 ref.)

MICROBIOLOGY

Microbiology of airway disease in patients with cystic fibrosis. Gilligan PH. **Clin Microbiol Rev** 1991 Jan; 4(1):35–51 (213 ref.)
Alginate synthesis by Pseudomonas aeruginosa: a key pathogenic factor in chronic pulmonary infections of cystic fibrosis patients. May TB, et al. **Clin Microbiol Rev** 1991 Apr;4(2):191–206 (172 ref.)
[Pseudomonas aeruginosa folliculitis after skin depilation [letter] Reparaz Padrós J. **Enferm Infecc Microbiol Clin** 1990 Jun–Jul;8(6):393–4 (7 ref.) **(Spa)**

PSEUDOMYXOMA PERITONEI

DIAGNOSIS

Pseudomyxoma peritonei: case report and review of the literature. Toro DH, et al. **Bol Asoc Med P R** 1990 Aug; 82(8):355–8 (18 ref.)
[Pseudomyxoma peritonei. A case report and a review of the literature] Teggi A, et al. **Recenti Prog Med** 1990 Nov; 81(11):692–8 (10 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

[Gelatinous disease of the peritoneum of appendiceal origin. Apropos of 2 Senegalese cases] Peghini M, et al. **Dakar Med** 1989;34(1–4):8–11 (7 ref.) (Eng. Abstr.) **(Fre)**

PSEUDONEUROTIC SCHIZOPHRENIA see **SCHIZOTYPAL PERSONALITY DISORDER**

PSEUDOPODIA

ULTRASTRUCTURE

Polarization of pseudopodial activities: cytoskeletal mechanisms. Vasiliev JM. **J Cell Sci** 1991 Jan;98 (Pt 1):1–4 (14 ref.)

PSEUDOPOLYARTHRITIS, RHIZOMELIC see **POLYMYALGIA RHEUMATICA**

PSEUDOPROMOTER (GENETICS) see **PROMOTER REGIONS (GENETICS)**

PSEUDOPSYCHOPATHIC SCHIZOPHRENIA see **SCHIZOTYPAL PERSONALITY DISORDER**

PSEUDOPSYCHOSIS see **FACTITIOUS DISORDERS**

PSEUDORABIES

PREVENTION & CONTROL

Genetically engineered vaccines for control of Aujeszky's disease (pseudorabies). Kit S. **Vaccine** 1990 Oct;8(5):420–4 (23 ref.)

PSEUDORABIES VIRUS

GENETICS

Genetically engineered vaccines for control of Aujeszky's disease (pseudorabies). Kit S. **Vaccine** 1990 Oct;8(5):420–4 (23 ref.)

PSEUDOSCLEROSIS see **HEPATOLENTICULAR DEGENERATION**

PSEUDOTUBERCULOSIS see **SARCOIDOSIS**

PSEUDOTUBERCULOSIS INFECTIONS, YERSINIA see **YERSINIA PSEUDOTUBERCULOSIS INFECTIONS**

PSEUDOTUBERCULOSIS, PASTEURELLA see **YERSINIA PSEUDOTUBERCULOSIS INFECTIONS**

PSEUDOTUMOR CEREBRI

COMPLICATIONS

Neurogenic pulmonary edema. A review of the literature and a perspective. Ell SR. **Invest Radiol** 1991 May; 26(5):499–506 (119 ref.)
Idiopathic intracranial hypertension. Wall M. **Neurol Clin** 1991 Feb;9(1):73–95 (86 ref.)
[Prognostic factors in benign intracranial hypertension] Sureda-Ramis B, et al. **Arch Neurobiol (Madr)** 1990 Jul–Aug;53(4):151–6 (17 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Management of elevated intracranial pressure. Woster PS, et al. **Clin Pharm** 1990 Oct;9(10):762–72 (80 ref.)

ETIOLOGY

[The etiopathogenesis of benign intracranial hypertension] Sureda Ramis B. **An Med Interna** 1990 May;7(5):265–8 (53 ref.) **(Spa)**

NURSING

Intracranial pressure: dynamics and nursing management. Andrus C. **J Neurosci Nurs** 1991 Apr;23(2):85–91 (28 ref.)

THERAPY

[Treatment of ischemic cerebral edema with intracranial hypertension after neurosurgery of intracranial aneurysms] Artru F, et al. **Agressologie** 1990 Jun;31(6):367–71 (31 ref.) (Eng. Abstr.) **(Fre)**
[Consensus conference in intensive care and emergency medicine. 7th conference: management of non tumoral intracranial hypertension caused by brain edema during intensive care. Paris, December 14 1990] **Ann Fr Anesth Reanim** 1991;10(3):313–4 (0 ref.) **(Fre)**

PSEUDOTUMOR, INFLAMMATORY see **FIBROMA**

PSEUDOXANTHOMA ELASTICUM

DIAGNOSIS

[Pseudoxanthoma elasticum—a visual diagnosis] Fäh L. **Schweiz Med Wochenschr** 1991 May 4;121(18):660–3 (29 ref.) (Eng. Abstr.) **(Ger)**

PSITTACOSIS see **ORNITHOSIS**

PSITTACOSIS-LYMPHOGRANULOMA GROUP see **CHLAMYDIA**

PSORALEN ULTRAVIOLET A THERAPY see **PUVA THERAPY**

PSORALENS

Photoreactions of furocoumarins with biomolecules. Cadet J, et al. **J Photochem Photobiol B** 1990 Jun;6(1-2):197-206 (59 ref.)

ADVERSE EFFECTS

Photocarcinogenicity of psoralens used in PUVA treatment: present status in mouse and man. Young AR. **J Photochem Photobiol B** 1990 Jun;6(1-2):237-47 (70 ref.)

PHARMACOLOGY

Photosensitizing action of furocoumarins on membrane components and consequent intracellular events [published erratum appears in J Photochem Photobiol B 1991 May;9(2):235] Dall'Acqua F, et al. **J Photochem Photobiol B** 1991 Feb;8(3):235-54 (112 ref.)

Mechanisms of photodynamic effects of furocoumarins. Potapenko AYa. **J Photochem Photobiol B** 1991 Apr; 9(1):1-33 (214 ref.)

[Psoralens as probes in the study of the structure and function of nucleic acids] Czyż M. **Postepy Biochem** 1989; 35(4):591-608 (153 ref.) **(Pol)**

PSORIASIS

New developments in our understanding of the biology of psoriasis. Karasek MA. **Cutis** 1990 Oct;46(4):307-10 (32 ref.)

COMPLICATIONS

[The occurrence of squamous-cell skin cancer in psoriasis patients] Anishchenko IS. **Vestn Dermatol Venerol** 1990; (11):25-9 (18 ref.) (Eng. Abstr.) **(Rus)**

[The gangrenous form of herpes zoster in a patient with disseminated psoriasis] Romanenko VN, et al. **Vestn Dermatol Venerol** 1990;(10):62-3 (26 ref.) (Eng. Abstr.) **(Rus)**

DIET THERAPY

Omega 3 polyunsaturated fatty acid constituents of fish oil and the management of skin inflammatory and scaly disorders. Ziboh VA. **World Rev Nutr Diet** 1991;66:425-35 (22 ref.)

DRUG THERAPY

Topical corticosteroid therapy in psoriasis vulgaris. Trozak DJ. **Cutis** 1990 Oct;46(4):341-50 (74 ref.)

The practical use of methotrexate in psoriasis. Tung JP, et al. **Drugs** 1990 Nov;40(5):697-712 (94 ref.)

An update in the therapy of psoriasis. Kundu A. **Indian J Dermatol** 1990 Mar;35(1):37-40 (9 ref.)

Effects of cyclosporine on renal function in psoriasis patients. Messana JM, et al. **J Am Acad Dermatol** 1990 Dec;23(6 Pt 2):1288-91; discussion 1291-3 (42 ref.)

Cyclosporine A in the treatment of psoriasis: a clinical and mechanistic perspective. Griffiths CE, et al. **J Invest Dermatol** 1990 Nov;95(5):53S-55S (15 ref.)

[Clinical experiences of interval treatment with dermatologic agents containing urea] Petres J, et al. **Z Hautkr** 1990 Aug; 65(8):740-5 (46 ref.) (Eng. Abstr.) **(Ger)**

[Thirty years of methotrexate treatment for psoriasis] Lotem M, et al. **Harefuah** 1991 Mar 15;120(6):337-40 (35 ref.) **(Heb)**

ETIOLOGY

The role of the immune system in the pathogenesis of psoriasis. Baadsgaard O, et al. **J Invest Dermatol** 1990 Nov; 95(5):32S-34S (10 ref.)

Psoriasis and psoriatic arthritis associated with human immunodeficiency virus infection. Arnett FC, et al. **Rheum Dis Clin North Am** 1991 Feb;17(1):59-78 (119 ref.)

[Frequent dermatoses in early childhood] Albrecht-Nebe H. **Z Arztl Fortbild (Jena)** 1990;84(23):1217-21 (9 ref.) **(Ger)**

[The interrelation of immunological and nonimmunological factors in the pathogenesis of psoriasis] Vasilelskiĭ SS. **Vestn Dermatol Venerol** 1990;(9):26-9 (25 ref.) **(Rus)**

GENETICS

Growth factor and proto-oncogene expression in psoriasis. Elder JT, et al. **J Invest Dermatol** 1990 Nov;95(5):7S-9S (17 ref.)

Psoriasis: the application of genetic technology and mapping. Meyer LJ. **J Invest Dermatol** 1990 Nov;95(5):5S-6S (7 ref.)

Psoriasis vulgaris: a genetic approach. Wuepper KD, et al. **J Invest Dermatol** 1990 Nov;95(5):2S-4S (17 ref.)

IMMUNOLOGY

Psoriasis. Leukocytes and cytokines. Cooper KD. **Dermatol Clin** 1990 Oct;8(4):737-45 (101 ref.)

Effects of cyclosporine on immunologic mechanisms in psoriasis. Cooper KD, et al. **J Am Acad Dermatol** 1990 Dec;23(6 Pt 2):1318-26; discussion 1326-8 (119 ref.)

Immunology of AIDS related to psoriasis. Duvic M. **J Invest Dermatol** 1990 Nov;95(5):38S-40S (24 ref.)

Immunologic mechanisms in psoriasis. Gottlieb AB. **J Invest Dermatol** 1990 Nov;95(5):18S-19S (13 ref.)

Speculations on the immunopathogenesis of psoriasis: T-cell violation of a keratinocyte sphere of influence. Streilein JW. **J Invest Dermatol** 1990 Nov;95(5):20S-21S (7 ref.)

Cytotoxic and immunologic effects of methotrexate in psoriasis. Weinstein GD, et al. **J Invest Dermatol** 1990 Nov; 95(5):49S-52S (17 ref.)

METABOLISM

Lipoxygenase products of arachidonic acid in psoriasis, atopic dermatitis, and experimental arthritis. Fogh K. **Dan Med Bull** 1990 Aug;37(4):289-308 (238 ref.)

Lymphocyte chemoattractants in psoriasis and normal skin. Camp RD, et al. **J Invest Dermatol** 1990 Nov;95(5):22S-23S (9 ref.)

Tissue plasminogen activator in psoriasis. Jensen PJ, et al. **J Invest Dermatol** 1990 Nov;95(5):13S-14S (12 ref.)

Epidermal growth factor/transforming growth factor alpha receptors and psoriasis. King LE Jr, et al. **J Invest Dermatol** 1990 Nov;95(5):10S-12S (20 ref.)

Metabolism of natural retinoids in psoriatic epidermis. Siegenthaler G, et al. **J Invest Dermatol** 1990 Nov; 95(5):47S-48S (12 ref.)

MICROBIOLOGY

The expression of retrovirus-like particles in psoriasis. Iversen OJ. **J Invest Dermatol** 1990 Nov;95(5):41S-43S (12 ref.)

MORTALITY

[Psoriasis: development and fatal complications] Roth PE, et al. **Ann Dermatol Venereol** 1991;118(2):97-105 (57 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Modulators of cutaneous inflammation and proliferation in psoriasis. Kragballe K, et al. **Immunol Ser** 1989;46:403-24 (106 ref.)

A perspective of psoriasis as an aberration in skin modified to expression by the inflammatory/repair system. Krueger GG. **Immunol Ser** 1989;46:425-45 (65 ref.)

Lymphocyte adhesion to psoriatic dermal endothelium: mechanism and modulation. Chin YH, et al. **J Invest Dermatol** 1990 Nov;95(5):29S-31S (10 ref.)

Experimental models for psoriasis. Krueger GG, et al. **J Invest Dermatol** 1990 Nov;95(5):56S-58S (10 ref.)

Lymphocyte trafficking in psoriasis: a new perspective emphasizing the dermal dendrocyte with active dermal recruitment mediated via endothelial cells followed by intra-epidermal T-cell activation. Nickoloff BJ, et al. **J Invest Dermatol** 1990 Nov;95(5):35S-37S (24 ref.)

PHYSIOPATHOLOGY

Growth hormone, somatostatin and psoriasis. Guilhou JJ. **Dermatologica** 1990;181(2):81-2 (15 ref.)

Eicosanoids in psoriasis. Ruzicka T. **J Dermatol Sci** 1990 Nov;1(6):415-23 (68 ref.)

Phosphoinositide-mediated signal transduction in normal and psoriatic epidermis. Fisher GJ, et al. **J Invest Dermatol** 1990 Nov;95(5):15S-17S (9 ref.)

The pathophysiology of psoriasis. Barker JN. **Lancet** 1991 Jul 27;338(8761):227-30 (27 ref.)

PSYCHOLOGY

Stress and psoriasis. Psychoneuroimmunologic mechanisms [published erratum appears in Int J Dermatol 1991 Apr;30(4):270] Farber EM, et al. **Int J Dermatol** 1991 Jan; 30(1):8-12 (68 ref.)

THERAPY

Psoriasis in practice. Menter A, et al. **Lancet** 1991 Jul 27; 338(8761):231-4 (26 ref.)

Psoriasis--a problem shared. Bennett P. **Practitioner** 1991 Mar;235(1500):241-6 (2 ref.)

Fish oil in combination with other therapies in the treatment of psoriasis. Allen BR. **World Rev Nutr Diet** 1991;66:436-45 (35 ref.)

[Therapy of psoriasis in general medical practice] Meffert H, et al. **Z Arztl Fortbild (Jena)** 1990;84(23):1207-9 (4 ref.) **(Ger)**

PSORIASIS, ARTHRITIC see **ARTHRITIS, PSORIATIC**

PSORIASIS ARTHROPATHICA see **ARTHRITIS, PSORIATIC**

PSYCHEDELIC AGENTS see **HALLUCINOGENS**

PSYCHIATRIC NURSING

Relaxation training: a nursing intervention for substance abusers. Dodge VH. **Arch Psychiatr Nurs** 1991 Apr; 5(2):99-104 (26 ref.)

A comparison of the works of Peplau and Orlando. Forchuk C. **Arch Psychiatr Nurs** 1991 Feb;5(1):38-45 (54 ref.)

Community psychiatric nursing and the depressed elderly: a case for using cognitive therapy. Hughes CP. **J Adv Nurs** 1991 May;16(5):565-72 (33 ref.)

ECONOMICS

Application of productivity estimates to psychiatric nursing practice. Hodgson NA. **Arch Psychiatr Nurs** 1990 Dec; 4(6):366-9 (22 ref.)

PSYCHIATRIC STATUS RATING SCALES

Psychological assessment versus psychological testing. Validation from Binet to the school, clinic, and courtroom. Matarazzo JD. **Am Psychol** 1990 Sep;45(9):999-1017 (63 ref.)

Diagnosis and clinical assessment. Widiger TA, et al. **Annu Rev Psychol** 1991;42:109-33 (135 ref.)

Development of a new classificatory model of malingering. Rogers R. **Bull Am Acad Psychiatry Law** 1990;18(3):323-33 (46 ref.)

Posttraumatic stress disorder in tort actions: forensic minefield. Sparr LF, et al. **Bull Am Acad Psychiatry Law** 1990;18(3):283-302 (77 ref.)

On defining delusions. Spitzer M. **Compr Psychiatry** 1990 Sep-Oct;31(5):377-97 (30 ref.)

Toward a new nosology of obsessive compulsive disorder. Tynes LL, et al. **Compr Psychiatry** 1990 Sep-Oct; 31(5):465-80 (89 ref.)

Geriatric obsessive-compulsive disorder. Jenike MA. **J Geriatr Psychiatry Neurol** 1991 Jan-Mar;4(1):34-9 (33 ref.)

A review of screening instruments for assessing cognition and mental status in older adults. McDougall GJ. **Nurse Pract** 1990 Nov;15(11):18-28 (129 ref.)

Outcome criteria in antidepressant drug trials: self-rating versus observer-rating scales. Möller HJ. **Pharmacopsychiatry** 1991 May;24(3):71-5 (26 ref.)

Two kinds of borderline concepts. Conceptual and empirical agreement between DSM-III, DIB, and Kernberg. Sandell R. **Psychiatr Dev** 1989 Winter;7(4):351-65 (39 ref.)

The impact of criteria selection on prevalence rates. Burvill PW. **Psychiatr J Univ Ott** 1990 Nov;15(4):194-9 (38 ref.)

Two-tier diagnosing in psychiatry. van Praag HM. **Psychiatry Res** 1990 Oct;34(1):1-11 (50 ref.)

Clinical pharmacology and Leonhard's classification of endogenous psychoses. Ban TA. **Psychopathology** 1990; 23(4-6):331-8 (36 ref.)

Diagnosis of chronic alcoholism--classificatory problems. Lesch OM, et al. **Psychopathology** 1990;23(2):88-96 (48 ref.)

Development and structure of the DCR Budapest-Nashville. Pethö B. **Psychopathology** 1990;23(4-6):316-30 (54 ref.)

Cycloid psychoses and schizoaffective psychoses--a comparison of different diagnostic classification systems and criteria. Zaudig M. **Psychopathology** 1990; 23(4-6):233-42 (43 ref.)

Psychological and behavioral factors affecting medical conditions and DSM-IV. An overview. Stoudemire A, et al. **Psychosomatics** 1991 Winter;32(1):5-13 (33 ref.)

Factor structure of maladaptive behavior across the lifespan of persons with mental retardation. McGrew KS, et al. **Res Dev Disabil** 1991;12(2):181-99 (58 ref.)

Significance of the positive-negative distinction in schizophrenia. Kay SR. **Schizophr Bull** 1990;16(4):635-52 (72 ref.)

Royal Park Multidiagnostic Instrument for Psychosis: Part I. Rationale and review. McGorry PD, et al. **Schizophr Bull** 1990;16(3):501-15 (80 ref.)

[Biological psychiatry and current classifications of depressive disorders] Staner L, et al. **Encephale** 1991 May-Jun;17(3):179-85 (75 ref.) (Eng. Abstr.) **(Fre)**

[Negative schizophrenic symptoms and their detection] Kukla F, et al. **Fortschr Neurol Psychiatr** 1991 Feb; 59(2):60-6 (37 ref.) (Eng. Abstr.) **(Ger)**

[Endogenous aspects of psychoses--anachronism or current guide for research in pathogenesis?] Mundt C. **Nervenarzt** 1991 Jan;62(1):3-15 (86 ref.) **(Ger)**

INSTRUMENTATION

[Detection of the anxio-depressive disorders in liaison psychiatry. Contribution of the General Health Questionnaire] Pariente P, et al. **Encephale** 1990 Nov-Dec; 16(6):459-64 (72 ref.) (Eng. Abstr.) **(Fre)**

STATISTICS & NUMERICAL DATA

"Negative symptoms": a cumulative trauma stress disorder? [see comments] Stampfer HG. **Aust N Z J Psychiatry** 1990 Dec;24(4):516-28 (35 ref.) Comment in: Aust N Z J Psychiatry 1991 Mar;25(1):9, 12-3.

The classification and treatment of dysthymia. Murphy DG. **Br J Psychiatry** 1991 Jan;158:106-9 (17 ref.)

Body dysmorphic disorder and the DSM-IV: the demise of dysmorphophobia. Munro A, et al. **Can J Psychiatry** 1991 Mar;36(2):91-6 (48 ref.)

The concept of major depression. I. Descriptive comparison of six competing operational definitions including ICD-10 and DSM-III-R. Philipp M, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;240(4-5):258-65 (16 ref.)

Methods and measures of behavior in the diagnosis of autism and related disorders. Lord C. **Psychiatr Clin North Am** 1991 Mar;14(1):69-80 (48 ref.)

Toward DSM-IV: a developmental approach to autistic disorder. Siegel B. **Psychiatr Clin North Am** 1991 Mar; 14(1):53-68 (21 ref.)

Psychiatric rating scales in diagnostic assessment and clinical treatment. Altman E, et al. **Psychiatr Med** 1991; 9(1):189–211 (53 ref.)
Positive–negative symptom assessment in schizophrenia: psychometric issues and scale comparison. Kay SR. **Psychiatr Q** 1990 Fall;61(3):163–78 (53 ref.)
Awareness of illness in schizophrenia. Amador XF, et al. **Schizophr Bull** 1991;17(1):113–32 (90 ref.)
Schizophrenia: the characteristic symptoms. Andreasen NC, et al. **Schizophr Bull** 1991;17(1):27–49 (110 ref.)
Diagnostic criteria for schizophrenia and related disorders: options for DSM–IV. Flaum M, et al. **Schizophr Bull** 1991; 17(1):133–56 (17 ref.)
Considerations on "organic" exclusion criteria for schizophrenia. Kane JM, et al. **Schizophr Bull** 1991; 17(1):69–73 (26 ref.)
The diagnosis of schizophrenia: a review of onset and duration issues. Keith SJ, et al. **Schizophr Bull** 1991; 17(1):51–67 (60 ref.)
Diagnosis of secondary depression in schizophrenia: implications for DSM–IV. Siris SG. **Schizophr Bull** 1991; 17(1):75–98 (115 ref.)
A selective review of biological markers in schizophrenia. Szymanski S, et al. **Schizophr Bull** 1991;17(1):99–111 (110 ref.)

PSYCHIATRY

Substance abuse disorders: a psychiatric priority. Group for the Advancement of Psychiatry Committee on Alcoholism and the Addictions. **Am J Psychiatry** 1991 Oct; 148(10):1291–300 (100 ref.)
Organic unity theory: the mind–body problem revisited. Goodman A. **Am J Psychiatry** 1991 May;148(5):553–63 (37 ref.)
Styles of liaison psychiatry: discussion paper. White A. **J R Soc Med** 1990 Aug;83(8):506–8 (30 ref.)
Thoughts and feelings and things: a new psychiatric epistemology. Hundert EM. **Theor Med** 1991 Mar; 12(1):7–23 (42 ref.)
China's importation of Western psychiatry: cultural relatively and mental disorders. Woo D. **Theor Med** 1991 Mar; 12(1):25–43 (32 ref.)
[Computerization in mental health—is it possible?] Kimhi R, et al. **Harefuah** 1990 Nov 15;119(10):319–22 (48 ref.) **(Heb)**
[The tasks of psychiatry: the psychiatric experience] Ramos Gorostiza P, et al. **Arch Neurobiol (Madr)** 1990 May–Jun; 53(3):105–11 (32 ref.) (Eng. Abstr.) **(Spa)**

ECONOMICS

[Psychiatry in medicine: how to save a lot of money with a small investment; or: how to waste a lot of money by trying to cut edges?] Fisch RZ. **Harefuah** 1991 Apr 1; 120(7):394–6 (40 ref.) **(Heb)**

EDUCATION

Consultation–liaison models for teaching psychiatry to primary care physicians. Helz JW, et al. **Adv Psychosom Med** 1990;20:1–16 (80 ref.)
Training physicians in the clinical evaluation of the suicidal patient. Peterson LG, et al. **Adv Psychosom Med** 1990; 20:89–108 (40 ref.)
Postgraduate medical fellowship training in alcoholism and drug abuse: national consensus standards. Galanter M, et al. **Am J Drug Alcohol Abuse** 1991;17(1):1–12 (7 ref.)
Women in Australian and New Zealand psychiatry: the fat lady sings. Quadrio C. **Aust N Z J Psychiatry** 1991 Mar; 25(1):95–110 (122 ref.)
Continuing medical education in psychiatry. Wright JM. **Aust N Z J Psychiatry** 1991 Mar;25(1):111–8 (45 ref.)
Ability to avoid premature treatment. A skill of consultation–liaison psychiatrists. Granet RB, et al. **Gen Hosp Psychiatry** 1990 Sep;12(5):323–8 (22 ref.)
The evaluation of teaching in undergraduate psychiatric education: students' attitudes to psychiatry and the evaluation of clinical competency. Kelly B, et al. **Med Teach** 1991;13(1):77–87 (37 ref.)
Experiences with psychotherapy training in India. Hoch EM. **Psychother Psychosom** 1990;53(1–4):14–20 (8 ref.)
[Problems in training operatives in mental health service] Angelini G. **Minerva Psichiatr** 1990 Oct–Dec;31(4):199–201 (7 ref.) (Eng. Abstr.) **(Ita)**

METHODS

Using meta–analysis in psychiatric research. Streiner DL. **Can J Psychiatry** 1991 Jun;36(5):357–62 (45 ref.)

TRENDS

Liaison psychiatry for the 21st century: a review. Creed F. **J R Soc Med** 1991 Jul;84(7):414–7 (45 ref.)
[Antipsychiatry and identity crisis in psychiatry] Kick H. **Fortschr Neurol Psychiatr** 1990 Oct;58(10):367–74 (61 ref.) (Eng. Abstr.) **(Ger)**
[Possibilities of mathematical modeling in psychiatry (review of the literature)] Blokhina VP, et al. **Zh Nevropatol Psikhiatr** 1990;90(7):120–3 (74 ref.) **(Rus)**

PSYCHIATRY, BIOLOGICAL see **BIOLOGICAL PSYCHIATRY**

PSYCHIATRY, COMMUNITY see **COMMUNITY PSYCHIATRY**

PSYCHIATRY, GERIATRIC see **GERIATRIC PSYCHIATRY**

PSYCHIC ENERGIZERS see **ANTIDEPRESSIVE AGENTS**

PSYCHOACTIVE AGENTS see **PSYCHOTROPIC DRUGS**

PSYCHOANALYSIS

HISTORY

German philosophy, Freud, and the riddle of the woman. Makari GJ. **J Am Psychoanal Assoc** 1991;39(1):183–213 (49 ref.)
[Psychoanalytic therapy. An orientation on Freudian psychoanalysis] Paikin H. **Ugeskr Laeger** 1991 Aug 5; 153(32):2226–30 (19 ref.) (Eng. Abstr.) **(Dan)**

PSYCHOANALYTIC INTERPRETATION

Abstract art and emotion: expressive form and the sense of wholeness. Rose GJ. **J Am Psychoanal Assoc** 1991; 39(1):131–56 (34 ref.)

PSYCHOANALYTIC THEORY

On the theory and practice of the Staabs' test. An overall view for diagnostic–therapeutic use. Altmann–Herz U. **Acta Paedopsychiatr** 1990;53(1):35–44 (43 ref.)
Defending and coping in psychically disturbed adolescents. I. Theory, results of factor analysis. Reinhard HG. **Acta Paedopsychiatr** 1989;52(3):232–40 (31 ref.)
Karolinska Psychodynamic Profile. KAPP. Weinryb RM, et al. **Acta Psychiatr Scand Suppl** 1991;363:1–23 (69 ref.)
The cohesive self, the nuclear self, and development in late adolescence. Palombo J. **Adolesc Psychiatry** 1990;17:338–59 (40 ref.)
The psychoanalytic perspective of adolescent homosexuality: a review. Mills JK. **Adolescence** 1990 Winter; 25(100):913–22 (27 ref.)
Paranoid phenomena and pathological narcissism. Garfield D, et al. **Am J Psychother** 1991 Apr;45(2):160–72 (33 ref.)
Process theory as a framework for comprehensive psychodynamic formulations. Sabelli HC, et al. **Genet Soc Gen Psychol Monogr** 1991 Feb;117(1):5–27 (46 ref.)
The investigation of psychoanalytic theory by means of the experimental method. Shulman DG. **Int J Psychoanal** 1990; 71 (Pt 3):487–98 (75 ref.)
Towards a revised theory of borderline object relations: contributions of empirical research. Westen D. **Int J Psychoanal** 1990;71 (Pt 4):661–93 (130 ref.)
Free association and changing models of mind. Aron L. **J Am Acad Psychoanal** 1990 Fall;18(3):439–59 (36 ref.)
The interface between psychoanalytic theory and the practice of psychoanalysis [editorial] Chrzanowski G. **J Am Acad Psychoanal** 1991 Spring;19(1):1–8 (11 ref.)
Ontogenesis of boyhood gender identity disorder. Coates S. **J Am Acad Psychoanal** 1990 Fall;18(3):414–38 (63 ref.)
The concept of dissociation. Counts RM. **J Am Acad Psychoanal** 1990 Fall;18(3):460–79 (24 ref.)
On internalization in group psychology: the group within. Scheidlinger S. **J Am Acad Psychoanal** 1990 Fall; 18(3):494–504 (41 ref.)
Between prolixity and reductionism: psychoanalytic theory and Occam's razor. Gedo JE. **J Am Psychoanal Assoc** 1991; 39(1):71–86 (36 ref.)
The concept of the self in psychoanalytic theory and its philosophical foundations. Kirshner LA. **J Am Psychoanal Assoc** 1991;39(1):157–82 (36 ref.)
Developmental psychology and psychoanalysis: I. The context for a revolution in psychoanalysis. Leichtman M. **J Am Psychoanal Assoc** 1990;38(4):915–50 (120 ref.)
Foundations of psychoanalysis reconsidered. Meissner WW. **J Am Psychoanal Assoc** 1990;38(3):523–57 (88 ref.)
Infant observation re–viewed. Covington C. **J Anal Psychol** 1991 Jan;36(1):63–76 (16 ref.)
Assessment of adult relatedness: a review of empirical findings from object relations and attachment theories. Fishler PH, et al. **J Pers Assess** 1990 Winter; 55(3–4):499–520 (60 ref.)
A psychoanalytic view of the Rorschach Comprehensive System "special scores". Meloy JR, et al. **J Pers Assess** 1991 Apr;56(2):202–17 (55 ref.)
Psychosis and adolescence. The relation of intrapsychic structure formation and change to action and task. Schwartz DP. **Psychiatr Clin North Am** 1990 Sep; 13(3):401–14 (22 ref.)
The thermodynamics of bipolarity: a bifurcation model of bipolar illness and bipolar character and its psychotherapeutic applications. Sabelli HC, et al. **Psychiatry** 1990 Nov;53(4):346–68 (66 ref.)
Attachment and separateness. A dialectic model of the products and processes of development throughout the life cycle. Blatt SJ, et al. **Psychoanal Study Child** 1990; 45:107–27 (52 ref.)
The analyst's stance and the method of free association. Kris AO. **Psychoanal Study Child** 1990;45:25–41 (51 ref.)
The development and functioning of the sense of shame. Yorke C, et al. **Psychoanal Study Child** 1990;45:377–409 (74 ref.)
Theory and technique in dynamic psychotherapy—curative factors and training therapists to maximize them. Luborsky L. **Psychother Psychosom** 1990;53(1–4):50–7 (20 ref.)
[The psychoanalyst and the development of mental representations] Lebovici S. **Psychiatr Enfant** 1990; 33(2):325–64 (30 ref.) (Eng. Abstr.) **(Fre)**
[Pathologic anxiety in the family] Dellisch H. **Prax Kinderpsychol Kinderpsychiatr** 1991 Apr;40(4):128–33 (8 ref.) (Eng. Abstr.) **(Ger)**
[Change in diagnostic and therapeutic viewpoints: the contribution of psychoanalysis] Zauner J. **Prax Kinderpsychol Kinderpsychiatr** 1990 Nov–Dec; 39(9–10):358–61 (8 ref.) (Eng. Abstr.) **(Ger)**
[Self psychology: a post–Kohut overview] Gedo JE. **Psyche (Stuttg)** 1991 Jan;45(1):1–16 (35 ref.) **(Ger)**
[Psychoanalytic observations on musical creativity] Rauchfleisch U. **Psyche (Stuttg)** 1990 Dec;44(12):1113–40 (60 ref.) (Eng. Abstr.) **(Ger)**
[Psychoanalysis and science–theoretical critique—new aspects of an old controversy] Kurthen M, et al. **Psychother Psychosom Med Psychol** 1991 Mar–Apr; 41(3–4):147–53 (25 ref.) (Eng. Abstr.) **(Ger)**
[Future research perspectives of a psychoanalytical gerontopsychophysiology—personality and the aging process] Heuft G. **Z Gerontol** 1990 Sep–Oct;23(5):262–6 (45 ref.) (Eng. Abstr.) **(Ger)**
[Separation—aloneness—departure as steps in female development from the psychoanalytic viewpoint] Boothe B. **Z Psychosom Med Psychoanal** 1990;36(4):316–31 (35 ref.) (Eng. Abstr.) **(Ger)**
[The "daughterly" existence. Unanswered questions about the female Oedipus complex] Rohde–Dachser C. **Z Psychosom Med Psychoanal** 1990;36(4):303–15 (40 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOANALYTIC THERAPY

On the theory and practice of the Staabs' test. An overall view for diagnostic–therapeutic use. Altmann–Herz U. **Acta Paedopsychiatr** 1990;53(1):35–44 (43 ref.)
The cohesive self, the nuclear self, and development in late adolescence. Palombo J. **Adolesc Psychiatry** 1990;17:338–59 (40 ref.)
Fear of dependence in therapeutic relationships. Pedder J. **Br J Med Psychol** 1991 Jun;64 (Pt 2):117–26 (28 ref.)
Towards a revised theory of borderline object relations: contributions of empirical research. Westen D. **Int J Psychoanal** 1990;71 (Pt 4):661–93 (130 ref.)
Intrapsychic structure, object relations, and interpersonal interaction: treatment process and change in the psychiatric hospital. Bauer SF. **J Am Acad Psychoanal** 1990 Winter; 18(4):566–86 (51 ref.)
The interface between psychoanalytic theory and the practice of psychoanalysis [editorial] Chrzanowski G. **J Am Acad Psychoanal** 1991 Spring;19(1):1–8 (11 ref.)
The depressed masochistic patient: diagnostic and management considerations—a contemporary psychoanalytic perspective. Friedman RC. **J Am Acad Psychoanal** 1991 Spring;19(1):9–30 (33 ref.)
Emotional induction: communication via the countertransference. Lotterman A. **J Am Acad Psychoanal** 1990 Winter;18(4):587–612 (50 ref.)
Concepts and controversies about the transference neurosis. Panel report. **J Am Psychoanal Assoc** 1991;39(1):227–39 (4 ref.)
Infant observation re–viewed. Covington C. **J Anal Psychol** 1991 Jan;36(1):63–76 (16 ref.)
Assessment of adult relatedness: a review of empirical findings from object relations and attachment theories. Fishler PH, et al. **J Pers Assess** 1990 Winter; 55(3–4):499–520 (60 ref.)
The thermodynamics of bipolarity: a bifurcation model of bipolar illness and bipolar character and its psychotherapeutic applications. Sabelli HC, et al. **Psychiatry** 1990 Nov;53(4):346–68 (66 ref.)
Psychotherapy: healing by culture. Havenaar JM. **Psychother Psychosom** 1990;53(1–4):8–13 (13 ref.)
Significance and importance of the psychotherapist's personality and experience. Knobel M. **Psychother Psychosom** 1990;53(1–4):58–63 (21 ref.)
The Tao, psychoanalysis and existential thought. Rhee D. **Psychother Psychosom** 1990;53(1–4):21–7 (25 ref.)
[Psychoanalytic therapy. An orientation on Freudian psychoanalysis] Paikin H. **Ugeskr Laeger** 1991 Aug 5; 153(32):2226–30 (19 ref.) (Eng. Abstr.) **(Dan)**
[Change in diagnostic and therapeutic viewpoints: the contribution of psychoanalysis] Zauner J. **Prax Kinderpsychol Kinderpsychiatr** 1990 Nov–Dec; 39(9–10):358–61 (8 ref.) (Eng. Abstr.) **(Ger)**
[Psychosomatic aspects of neurologic diseases. Experiences with clinical neurology from the viewpoint of the psychoanalyst] Franz M. **Z Psychosom Med Psychoanal** 1990;36(4):355–73 (80 ref.) (Eng. Abstr.) **(Ger)**
[Projective identification, mimesis and the analytical situation. Preliminary observations] Ruberto A, et al. **Minerva Psichiatr** 1990 Jul–Sep;31(3):129–32 (10 ref.) (Eng. Abstr.) **(Ita)**

PSYCHOANALYTIC THERAPY

EDUCATION

Theory and technique in dynamic psychotherapy--curative factors and training therapists to maximize them. Luborsky L. **Psychother Psychosom** 1990;53(1-4):50-7 (20 ref.)
The significance and importance of supervision in psychotherapy training. Szecsödy I. **Psychother Psychosom** 1990;53(1-4):86-92 (23 ref.)

METHODS

Individual psychotherapeutic treatment of anorexia nervosa. Lunn S. **Acta Psychiatr Scand Suppl** 1990;361:23-8 (17 ref.)
The investigation of psychoanalytic theory by means of the experimental method. Shulman DG. **Int J Psychoanal** 1990; 71 (Pt 3):487-98 (75 ref.)
The analyst's stance and the method of free association. Kris AO. **Psychoanal Study Child** 1990;45:25-41 (51 ref.)
[Family therapy: what is at stake in its evolution and its present application] Villeneuve C. **Psychiatr Enfant** 1990; 33(1):153-87 (81 ref.) (Eng. Abstr.) **(Fre)**
[Self psychology: a post-Kohut overview] Gedo JE. **Psyche (Stuttg)** 1991 Jan;45(1):1-16 (35 ref.) **(Ger)**
[Psychoanalysis and science-theoretical critique--new aspects of an old controversy] Kurthen M, et al. **Psychother Psychosom Med Psychol** 1991 Mar-Apr; 41(3-4):147-53 (25 ref.) (Eng. Abstr.) **(Ger)**

TRENDS

Developmental psychology and psychoanalysis: I. The context for a revolution in psychoanalysis. Leichtman M. **J Am Psychoanal Assoc** 1990;38(4):915-50 (120 ref.)
Foundations of psychoanalysis reconsidered. Meissner WW. **J Am Psychoanal Assoc** 1990;38(3):523-57 (88 ref.)

PSYCHODIDAE

PARASITOLOGY

The life-cycle of Leishmania in the sandfly with special reference to the form infective to the vertebrate host. Killick-Kendrick R. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:37-42 (58 ref.)

PSYCHOGENETICS see **GENETICS, BEHAVIORAL**

PSYCHOGERIATRICS see **GERIATRIC PSYCHIATRY**

PSYCHOIMMUNOLOGY see **PSYCHONEUROIMMUNOLOGY**

PSYCHOLINGUISTICS

see related
LANGUAGE DEVELOPMENT

PSYCHOLOGICAL TESTS

Self-report family assessment instruments: an evaluative review [see comment] Halvorsen JG. **Fam Pract Res J** 1991 Mar;11(1):21-55 (86 ref.) Comment on: Fam Pract Res J 1991 Mar;11(1):17-20.
Recovery of psychological function after anesthesia. Sanders LD. **Int Anesthesiol Clin** 1991 Spring;29(2):105-15 (8 ref.)
Cognitive screening tests: an aid in the care of elderly outpatients [see comments] White H, et al. **J Gen Intern Med** 1990 Sep-Oct;5(5):438-45 (58 ref.) Comment in: J Gen Intern Med 1991 May-Jun;6(3):267-8.

INSTRUMENTATION

[Action and reaction elements as performance-modifying components of computer use in clinical psychology] Weber P, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Dec; 42(12):755-60 (5 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Personality assessment of the prelingual, profoundly deaf child or adolescent. Cates JA, et al. **J Pers Assess** 1991 Feb;56(1):118-29 (46 ref.)
A comparative review of developmental screening tests [see comments] Glascoe FP, et al. **Pediatrics** 1990 Oct; 86(4):547-54 (18 ref.) Comment in: Pediatrics 1991 Jul;88(1):180-3.

STATISTICS & NUMERICAL DATA

On the synthesis of information from psychological tests. Gallucci NT. **Psychol Rep** 1990 Dec;67(3 Pt 2):1243-60 (75 ref.)

PSYCHOLOGICAL THEORY

Motor learning concepts applied to activity-based intervention with adults with hemiplegia. Sabari JS. **Am J Occup Ther** 1991 Jun;45(6):523-30 (60 ref.)
Culture tales. A narrative approach to thinking, cross-cultural psychology, and psychotherapy. Howard GS. **Am Psychol** 1991 Mar;46(3):187-97 (65 ref.)
The self-organization of human psychological functioning. Kaplan ML, et al. **Behav Sci** 1991 Jul;36(3):161-78 (35 ref.)
Common methodological framework for theory construction and evaluation in the social and behavioral sciences. Tzeng OC, et al. **Genet Soc Gen Psychol Monogr** 1991 Feb; 117(1):49-76 (80 ref.)
Feminism and the cognitive theory of emotion: anger, blame and humor. Shibles W. **Women Health** 1991;17(1):57-69 (38 ref.)

PSYCHOLOGY, CLINICAL

EDUCATION

What have surveys taught us about the teaching and practice of psychological assessment? Watkins CE Jr. **J Pers Assess** 1991 Jun;56(3):426-37 (100 ref.)

PSYCHOLOGY, CRIMINAL see **CRIMINAL PSYCHOLOGY**

PSYCHOLOGY, INDUSTRIAL

see related
HUMAN ENGINEERING

PSYCHOLOGY, MEDICAL

EDUCATION

The importance and purpose of medical psychology in the study of medicine. Rossmanith S. **Psychother Psychosom** 1990;53(1-4):108-14 (27 ref.)

PSYCHOLOGY, PASTORAL see **PASTORAL CARE**

PSYCHOLOGY, PHYSIOLOGICAL see **PSYCHOPHYSIOLOGY**

PSYCHOLOGY, SCHIZOPHRENIC see **SCHIZOPHRENIC PSYCHOLOGY**

PSYCHOLOGY, SOCIAL

see related
RACE RELATIONS

PSYCHOMETRICS

Focus on psychometrics. Estimating construct validity. Goodwin LD, et al. **Res Nurs Health** 1991 Jun;14(3):235-43 (56 ref.)
[Neuropsychological sequelae in children treated for brain tumor] Langue J, et al. **Pediatrie** 1991;46(1):101-8 (19 ref.) (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

Objective assessment in dementia: automated psychometric tests and the P3. Wright GM. **Neuroepidemiology** 1990; 9(4):208-15 (27 ref.)

PSYCHOMOTOR AGITATION

CHEMICALLY INDUCED

[Akathisia. A frequent adverse effect in treatment with neuroleptics] Madsen AL. **Ugeskr Laeger** 1991 Apr 1; 153(14):998-1000 (30 ref.) (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Agitation and other noncognitive abnormalities in Alzheimer's disease. Deutsch LH, et al. **Psychiatr Clin North Am** 1991 Jun;14(2):341-51 (44 ref.)

DIAGNOSIS

The present status of akathisia. Sachdev P, et al. **J Nerv Ment Dis** 1991 Jul;179(7):381-91 (132 ref.)

DRUG THERAPY

A guide to benzodiazepine selection. Part II: Clinical aspects. Teboul E, et al. **Can J Psychiatry** 1991 Feb;36(1):62-73 (166 ref.)
Pharmacodynamic issues relevant to geriatric psychopharmacology. Pollock BG, et al. **J Geriatr Psychiatry Neurol** 1990 Oct-Dec;3(4):221-8 (77 ref.)

PSYCHOMOTOR DISORDERS

DIAGNOSIS

[Masked psychopathological conditions imitating pathology of the locomotor system (review of the literature)] Ostroglazov VG, et al. **Zh Nevropatol Psikhiatr** 1991; 91(4):121-8 (134 ref.) **(Rus)**

GENETICS

Familial fragile secondary constriction on chromosome 2 (2q11) with unusual features and psychomotor retardation. Murthy DS, et al. **Indian J Pediatr** 1990 Mar-Apr; 57(2):257-60 (12 ref.)

PHYSIOPATHOLOGY

Brain nervous mechanisms involved in the so-called extra pyramidal motor and psychomotor disturbances. Poirier L, et al. **Prog Neurobiol** 1975;5(2):197-243 (337 ref.)
Neglect as a neural representation deficit. Rizzolatti G, et al. **Rev Neurol (Paris)** 1990;146(10):626-34 (62 ref.)
[Motor neglect: issues and prospects] Paillard J. **Rev Neurol (Paris)** 1990;146(10):600-11 (78 ref.) (Eng. Abstr.) **(Fre)**

PSYCHOMOTOR PERFORMANCE

Spatial cognition in Parkinson disease. Levin BE. **Alzheimer Dis Assoc Disord** 1990 Fall;4(3):161-70 (47 ref.)
Individual analysis of laterality data. Brysbaert M, et al. **Neuropsychologia** 1990;28(9):901-16 (19 ref.)
Perceptual information for the timing of interceptive action. Tresilian JR. **Perception** 1990;19(2):223-39 (51 ref.)
Cognitive strategies during coincident timing tasks. Goodgold-Edwards SA. **Phys Ther** 1991 Mar;71(3):236-43 (25 ref.)
Stratification in perception and action. de Jong HL, et al. **Psychol Res** 1990;52(2-3):216-28 (90 ref.)

DRUG EFFECTS

Antidepressants: the implications of the cognitive and psychomotor effects in the elderly. Hindmarch I. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:57-60 (10 ref.)
The effects of sertraline on psychomotor performance in elderly volunteers. Hindmarch I, et al. **J Clin Psychiatry** 1990 Dec;51 Suppl B:34-6 (9 ref.)
Sleep, performance, and plasma levels in chronic insomniacs during 14-day use of flurazepam and midazolam: an introduction. Johnson LC, et al. **J Clin Psychopharmacol** 1990 Aug;10(4 Suppl):5S-9S (38 ref.)
Persisting neurotoxic consequences of solvent abuse: a developing animal model for toluene-induced neurotoxicity. Pryor GT. **NIDA Res Monogr** 1990; 101:156-66 (27 ref.)
[Comparative effects of ginkgo biloba extracts on psychomotor performances and memory in healthy subjects] Warot D, et al. **Therapie** 1991 Jan-Feb;46(1):33-6 (24 ref.) (Eng. Abstr.) **(Fre)**
[Psychomotor stimulants as agents for enhancing work capacity] Smirnov AV. **Farmakol Toksikol** 1990 Jul-Aug; 53(4):72-7 (43 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Sensory and motor reflex control of nasal mucosal blood flow and secretion; clinical implications in non-allergic nasal hyperreactivity. Stjärne P. **Acta Physiol Scand Suppl** 1991;600:1-64 (150 ref.)
Internal and external control: a two-factor model of amplitude change of event-related potentials. Kok A. **Acta Psychol (Amst)** 1990 Aug;74(2-3):203-36 (100 ref.)
Coordination. Turvey MT. **Am Psychol** 1990 Aug; 45(8):938-53 (39 ref.)
Developmental time course in human infants and infant monkeys, and the neural bases of, inhibitory control in reaching. Diamond A. **Ann N Y Acad Sci** 1990;608:637-69; discussion 669-76 (76 ref.)
Prefrontal cortex and the bridging of temporal gaps in the perception-action cycle. Fuster JM. **Ann N Y Acad Sci** 1990;608:318-29; discussion 330-6 (26 ref.)
Role of the hippocampus in temporal and spatial navigation: an adaptive neural network. Schmajuk NA. **Behav Brain Res** 1990 Aug 20;39(3):205-29 (92 ref.)
Field studies of sleep/wake patterns and performance: a laboratory experience. Broughton RJ. **Can J Psychol** 1991 Jun;45(2):240-53 (52 ref.)
The basal ganglia-orofacial system: studies on neurobehavioral plasticity and sensory-motor tuning. Huston JP, et al. **Neurosci Biobehav Rev** 1990 Winter; 14(4):433-46 (123 ref.)
Sensorimotor contributions of the basal ganglia: recent advances. Connor NP, et al. **Phys Ther** 1990 Dec; 70(12):864-72 (103 ref.)
Information processing for motor performance in aging adults. Light KE. **Phys Ther** 1990 Dec;70(12):820-6 (64 ref.)
Representational content and computation in the human visual system. Eimer M. **Psychol Res** 1990;52(2-3):238-42 (7 ref.)
The brain a geometry engine. Koenderink JJ. **Psychol Res** 1990;52(2-3):122-7 (45 ref.)
A recruitment theory of force-time relations in the production of brief force pulses: the parallel force unit model. Ulrich R, et al. **Psychol Rev** 1991 Apr;98(2):268-94 (95 ref.)
Adaptive mechanisms in eye-head coordination. Berthoz A. **Rev Oculomot Res** 1985;1:177-201 (0 ref.)
Tensorial aspects of the multidimensional approach to the vestibulo-oculomotor reflex and gaze. Pellionisz A. **Rev Oculomot Res** 1985;1:281-96 (0 ref.)
[Motor neglect: issues and prospects] Paillard J. **Rev Neurol (Paris)** 1990;146(10):600-11 (78 ref.) (Eng. Abstr.) **(Fre)**

PSYCHONEUROIMMUNOLOGY

see related
NEUROIMMUNOMODULATION
[Psychoneuroimmunological connections (II)] Priboi RN.

Rev Med Chir Soc Med Nat Iasi 1990 Apr-Jun;94(2):313-7 (0 ref.) (Eng. Abstr.) **(Rum)**

TRENDS

Psychoneuroimmunology. Waksman BH. **R I Med J** 1990 Nov;73(11):555-9 (0 ref.)

PSYCHONEUROSES see **NEUROTIC DISORDERS**

PSYCHOPATHIC PERSONALITY see **ANTISOCIAL PERSONALITY DISORDER**

PSYCHOPATHOLOGY

Are mental states a useful concept? Neurophilosophical influences on phenomenology and psychopathology. Harrison PJ. **J Nerv Ment Dis** 1991 Jun;179(6):309-16; discussion 317-9 (80 ref.)

PSYCHOPHARMACEUTICALS see **PSYCHOTROPIC DRUGS**

PSYCHOPHARMACOLOGY

see related
PSYCHOTROPIC DRUGS

From phenomenon to mechanism: an investigational strategy. Dilsaver SC.
Prog Neuropsychopharmacol Biol Psychiatry 1990; 14(4):449-58 (45 ref.)

METHODS

Psychopharmacology and neuropsychiatric syndromes in organ transplantation. Trzepacz PT, et al.
Gen Hosp Psychiatry 1991 Jul;13(4):233-45 (86 ref.)
Psychopharmacology and clinical practice. Glod CA.
Nurs Clin North Am 1991 Jun;26(2):375-99 (28 ref.)

PSYCHOPHYSICS

Subjective contours--bridging the gap between psychophysics and physiology. Peterhans E, et al.
Trends Neurosci 1991 Mar;14(3):112-9 (88 ref.)

PSYCHOPHYSIOLOGIC DISORDERS

Recognition and management of functional complaints. Samarasinghe D. **Ceylon Med J** 1991 Mar;36(1):23-6 (20 ref.)
The somatic patient. Purcell TB.
Emerg Med Clin North Am 1991 Feb;9(1):137-59 (56 ref.)
A biopsychosocial approach to TMJ pain--or looking for keys in the dark. Hampf G. **Proc Finn Dent Soc** 1990; 86(3-4):171-81 (69 ref.)
The role of psychological factors in cancer onset and progression. Levenson JL, et al. **Psychosomatics** 1991 Spring;32(2):124-32 (58 ref.)
[Psychocutaneous diseases in primary care] Pérez-Izquierdo JM, et al. **Aten Primaria** 1991 Mar;8(3):177-80, 183-4, 187-92 (23 ref.) **(Spa)**

CHEMICALLY INDUCED

[Blood levels of tricyclic antidepressants and their clinical effectiveness (review of the literature)] Chekalina ND.
Zh Nevropatol Psikhiatr 1991;91(5):116-22 (79 ref.) **(Rus)**

COMPLICATIONS

Psychogenic purpura (autoerythrocyte sensitization): an unsolved dilemma. Ratnoff OD. **Am J Med** 1989 Sep; 87(3N):16N-21N (48 ref.)

DIAGNOSIS

Dysphonia associated with factitious asthma [letter] Pannbacker M. **Ear Nose Throat J** 1990 Sep;69(9):656-7 (14 ref.)
Diagnosis and treatment of psychiatric disorders in medically ill inpatients. Fulop G, et al.
Hosp Community Psychiatry 1991 Apr;42(4):389-94 (57 ref.)
Psychological and behavioral factors affecting medical conditions and DSM-IV. An overview. Stoudemire A, et al. **Psychosomatics** 1991 Winter;32(1):5-13 (33 ref.)
Specificity revisited and updated. Paulley JW.
Psychother Psychosom 1991;55(1):42-6 (21 ref.)
[Functional syndromes in internal medicine. Epidemiology, etiology, pathogenesis, psychodynamics and differential diagnosis] Köhle K. **Internist (Berl)** 1991 Jan;32(1):3-11 (31 ref.) **(Ger)**
[Is early differentiation of psychogenic from organic pain patients possible? Review of the literature and results of a screening study] Egle UT, et al. **Nervenarzt** 1991 Mar; 62(3):148-57 (62 ref.) **(Ger)**
[A basic psychodiagnostic program for internists] Gruber G, et al. **Z Gesamte Inn Med** 1990 Sep 1;45(17):512-4 (18 ref.) (Eng. Abstr.) **(Ger)**
[Masked psychopathological conditions imitating pathology of the locomotor system (review of the literature)] Ostroglazov VG, et al. **Zh Nevropatol Psikhiatr** 1991; 91(4):121-8 (134 ref.) **(Rus)**
[Psychiatric evaluation of organic diseases] Salvador L, et al. **Actas Luso Esp Neurol Psiquiatr Cienc Afines** 1990 Nov-Dec;18(6):403-10 (28 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

[Primary head and facial pain] Waespe W, et al.
Internist (Berl) 1991 Jan;32(1):31-7 (14 ref.) **(Ger)**
[Causality of neurotic and psychosomatic diseases (see comments)] Bräutigam W.
Z Psychosom Med Psychoanal 1990;36(3):195-209 (28 ref.) Comment in: Z Psychosom Med Psychoanal 1990;36(30):210-2. Comment in: Z Psychosom Med Psychoanal 1990;36(3):213-5. Comment in: Z Psychosom Med Psychoanal 1990;36(3):216-22. Comment in: Z Psychosom Med Psychoanal 1990;36(3):223-9. Comment in: Z Psychosom Med Psychoanal 1990;36(3):230-6. Comment in: Z Psychosom Med Psychoanal 1990;36(3):237-9. **(Ger)**
[Psychosocial risk factors of ischemic heart disease] Wrześniewski K. **Przegl Lek** 1990;47(11):767-9 (36 ref.) **(Pol)**
[The role of the sympathetic-adrenal system in the development of hypertension. Effect of the emotional factor] Belova EV. **Kardiologiia** 1991 May;31(5):83-5 (24 ref.) **(Rus)**
[Neuroses and disorders of sexual functions in men (review of of the literature] Goloburda AV.
Zh Nevropatol Psikhiatr 1991;91(5):107-11 (91 ref.) **(Rus)**
[Hyperventilation syndrome and autonomic dystonia (review of the literature)] Moldovanu IV.
Zh Nevropatol Psikhiatr 1991;91(5):100-3 (70 ref.) **(Rus)**
[Neurology and theology--on the genesis of metaphysical anemia] Wikström O. **Lakartidningen** 1991 Aug 21; 88(34):2680-1 (15 ref.) **(Swe)**

IMMUNOLOGY

Psychoneuroimmunology: a literature review. Vollhardt LT. **Am J Orthopsychiatry** 1991 Jan;61(1):35-47 (55 ref.)
Psychoimmunology and rheumatoid arthritis: concepts and methodologies. McFarlane AC, et al.
Int J Psychiatry Med 1990;20(3):307-22 (83 ref.)
Stress, emotion, and human immune function. O'Leary A. **Psychol Bull** 1990 Nov;108(3):363-82 (190 ref.)

PHYSIOPATHOLOGY

The autonomic nervous system and "functional" illness. Ferrari E. **Funct Neurol** 1990 Jul-Sep;5(3):279-84 (19 ref.)
Psychophysiological aspects of eczema. Cotterill JA.
Semin Dermatol 1990 Sep;9(3):216-9 (19 ref.)

PREVENTION & CONTROL

Do benzodiazepines have a role in the prevention or treatment of coronary heart disease and other major medical disorders? Williams RB Jr. **J Psychiatr Res** 1990; 24 Suppl 2:51-6 (15 ref.)
[Physical exercise for prevention and therapy] Falkenbach A. **Med Monatsschr Pharm** 1990 Oct 10;13(10):303-12 (143 ref.) **(Ger)**
[A systematic approach to the prediction of psychosomatic disease] D'Amelio G, et al. **Minerva Med** 1990 Sep; 81(9):629-32 (8 ref.) (Eng. Abstr.) **(Ita)**

PSYCHOLOGY

If 'A-B' does not predict heart disease, why bother with it? A comment on Ivancevich & Matteson. Ray JJ.
Br J Med Psychol 1991 Mar;64 (Pt 1):85-90 (34 ref.)
Chronic fatigue syndrome and the psychiatrist. Abbey SE, et al. **Can J Psychiatry** 1990 Oct;35(7):625-33 (90 ref.)
Psychogenic voice disorders: literature review and case report. Matas M. **Can J Psychiatry** 1991 Jun;36(5):363-5 (28 ref.)
Family systems intervention and physical illness. Sholevar GP, et al. **Gen Hosp Psychiatry** 1990 Nov;12(6):363-72 (59 ref.)
Gender, stress, and health. Baum A, et al.
Health Psychol 1991;10(2):80-5 (58 ref.)
Gender differences in social support and physical health. Shumaker SA, et al. **Health Psychol** 1991;10(2):102-11 (84 ref.)
Methodological issues in the study of personality and psychiatric state in rheumatoid arthritis. Hnatiuk SH, et al. **Int J Psychiatry Med** 1990;20(3):293-306 (87 ref.)
Non-ulcer dyspepsia. Morris C. **J Psychosom Res** 1991; 35(2-3):129-40 (89 ref.)
Chronic fatigue syndrome and depression: conceptual and methodological ambiguities [editorial] Ray C.
Psychol Med 1991 Feb;21(1):1-9 (84 ref.)
Psychological factors affecting neurological conditions. Depression and stroke, multiple sclerosis, Parkinson's disease, and epilepsy. McNamara ME. **Psychosomatics** 1991 Summer;32(3):255-67 (76 ref.)
Psychological factors affecting pulmonary and rheumatologic diseases. A review. Moran MG. **Psychosomatics** 1991 Winter;32(1):14-23 (71 ref.)
Measurement of psychological distress and well-being. Bech P. **Psychother Psychosom** 1990;54(2-3):77-89 (52 ref.)
Methodological and conceptual issues in research on quality of life. Fava GA. **Psychother Psychosom** 1990;54(2-3):70-6 (32 ref.)
Quality of life in patients with inflammatory bowel disease. Künsebeck HW, et al. **Psychother Psychosom** 1990; 54(2-3):110-6 (18 ref.)
Quality of life in cardiovascular disease. Mayou R.
Psychother Psychosom 1990;54(2-3):99-109 (45 ref.)
Quality of life in oncology patients. Muthny FA, et al.
Psychother Psychosom 1990;54(2-3):145-60 (41 ref.)
Quality of life in adults with insulin-dependent diabetes mellitus. Rodin G. **Psychother Psychosom** 1990; 54(2-3):132-9 (37 ref.)
Psychological distress and quality of life in endocrine disease. Sonino N, et al. **Psychother Psychosom** 1990;54(2-3):140-4 (21 ref.)
[Psychogenic hemorrhages] Verstraete M.
Verh K Acad Geneeskd Belg 1991;53(1):5-28 (27 ref.) (Eng. Abstr.) **(Dut)**
[Denial and coronary disease. A reconsideration of the denial mechanism in psychosomatic diseases and particularly in coronary disease] Janne P, et al.
Ann Med Psychol (Paris) 1990 Feb;148(2):165-78 (40 ref.) (Eng. Abstr.) **(Fre)**
[Psychosomatic dermatology] Haustein UF, et al.
Dermatol Monatsschr 1990;176(12):725-33 (49 ref.) (Eng. Abstr.) **(Ger)**
[Psychosomatic aspects of inflammatory bowel diseases] Scheib P, et al. **Fortschr Med** 1991 Apr 20;109(12):258-60 (21 ref.) (Eng. Abstr.) **(Ger)**
[Health and psychosocial effects of miscarriage] Läpple M. **Fortschr Neurol Psychiatr** 1991 May;59(5):155-63 (87 ref.) (Eng. Abstr.) **(Ger)**
[The psychosocial status of patients with endogenous eczema. A study using cluster analysis for the correlation of psychological factors with somatic findings] Gieler U, et al. **Hautarzt** 1990 Aug;41(8):416-23 (69 ref.) (Eng. Abstr.) **(Ger)**
[Functional syndromes of the gastrointestinal tract] Adler G, et al. **Internist (Berl)** 1991 Jan;32(1):19-25 (41 ref.) **(Ger)**
[Functional respiratory disorders] Feddersen CO, et al.
Internist (Berl) 1991 Jan;32(1):26-30 (31 ref.) **(Ger)**
[Definition of psychogenic voice disorders] Bauer HH.
Laryngorhinootologie 1991 Feb;70(2):102-4 (12 ref.) (Eng. Abstr.) **(Ger)**
[Pathologic anxiety in the family] Dellisch H.
Prax Kinderpsychol Kinderpsychiatr 1991 Apr;40(4):128-33 (8 ref.) (Eng. Abstr.) **(Ger)**
[New aspects of complex chronic tinnitus. II: The lost silence: effects and psychotherapeutic possibilities in complex chronic tinnitus] Goebel G, et al.
Psychother Psychosom Med Psychol 1991 Mar-Apr; 41(3-4):123-33 (62 ref.) (Eng. Abstr.) **(Ger)**
[The difficult path of critical psychosomatic medicine] Richter HE. **Psychother Psychosom Med Psychol** 1990 Sep-Oct;40(9-10):318-23 (15 ref.) (Eng. Abstr.) **(Ger)**
[Psychosomatics of the family today] Stierlin H.
Psychother Psychosom Med Psychol 1990 Sep-Oct; 40(9-10):357-62 (10 ref.) (Eng. Abstr.) **(Ger)**
["Expected motivation" in managing illness. A difficult social medicine-forensic problem] Aschoff JC.
Versicherungsmedizin 1991 Feb 1;43(1):5-9 (26 ref.) (Eng. Abstr.) **(Ger)**
[Psyche and rheumatoid arthritis--a retrospect] Drunkenmölle C. **Z Arztl Fortbild (Jena)** 1990; 84(22):1167-9 (23 ref.) **(Ger)**
[Psychosomatic aspects of neurologic diseases. Experiences with clinical neurology from the viewpoint of the psychoanalyst] Franz M. **Z Psychosom Med Psychoanal** 1990;36(4):355-73 (80 ref.) (Eng. Abstr.) **(Ger)**
[Soft tissue pain and psychiatric evaluation] Marelli R.
Z Unfallchir Versicherungsmed 1991;84(1):34-42 (14 ref.) (Eng. Abstr.) **(Ger)**
[A systematic approach to the prediction of psychosomatic disease] D'Amelio G, et al. **Minerva Med** 1990 Sep; 81(9):629-32 (8 ref.) (Eng. Abstr.) **(Ita)**
[Psychiatric aspects of chronic pain syndrome] Garrote MS.
Rev Paul Med 1991 Mar-Apr;109(2):84-7 (17 ref.) (Eng. Abstr.) **(Por)**

THERAPY

Methodology in consultation-liaison research: a classification of biases. Levenson JL, et al. **Psychosomatics** 1990 Fall; 31(4):367-76 (54 ref.)
[Treatment of functional disorders from the psychotherapeutic point of view] Buddeberg C.
Internist (Berl) 1991 Jan;32(1):50-5 (8 ref.) **(Ger)**

PSYCHOPHYSIOLOGY

Application of psychophysiology in clinical neuropsychology. Levine MJ, et al. **Ann N Y Acad Sci** 1991;620:208-16 (32 ref.)
Towards a process paradigm in psychophysiology. O'Connor K. **Int J Psychophysiol** 1990 Oct;9(3):209-23 (32 ref.)

TRENDS

"Psychobiology". Dewsbury DA. **Am Psychol** 1991 Mar; 46(3):198-205 (80 ref.)

PSYCHOSES see **PSYCHOTIC DISORDERS**

PSYCHOSES, AFFECTIVE see **AFFECTIVE DISORDERS,**

PSYCHOSES, AFFECTIVE

PSYCHOTIC

PSYCHOSES, ALCOHOLIC

[Clinical concept of alcoholic dementia] Kato N. **Arukoru Kenkyuto Yakubutsu Ison** 1991 Jun;26(3):119–33 (65 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Nosologic objections to the criminal defense of pathological intoxication: what do the doubters doubt? Tiffany LP, et al. **Int J Law Psychiatry** 1990;13(1–2):49–75 (105 ref.)

[Neurologic manifestations of chronic alcoholism] Brzecki A, et al. **Postepy Hig Med Dosw** 1990;44(1–3):139–51 (57 ref.) (Eng. Abstr.) **(Pol)**

PATHOLOGY

Anatomo-pathological studies on alcoholic dementia: a review and up to date research. Akai J. **Arukoru Kenkyuto Yakubutsu Ison** 1991 Jun;26(3):134–41 (23 ref.)

PSYCHOSES, DRUG see **PSYCHOSES, SUBSTANCE-INDUCED**

PSYCHOSES, ORGANIC see **ORGANIC MENTAL DISORDERS, PSYCHOTIC**

PSYCHOSES, PARANOID see **PARANOID DISORDERS**

PSYCHOSES, PRESENILE see **DEMENTIA, PRESENILE**

PSYCHOSES, SENILE see **DEMENTIA, SENILE**

PSYCHOSES, SUBSTANCE-INDUCED

Drug-induced psychoses. Hurlbut KM. **Emerg Med Clin North Am** 1991 Feb;9(1):31–52 (49 ref.)

[The psychotic effects of ketamine anesthesia] Meshcheriakov AV, et al. **Anesteziol Reanimatol** 1990 Nov–Dec;(6):75–8 (104 ref.) **(Rus)**

DIAGNOSIS

[Neurologic and psychiatric disorders in vinyl chloride disease] Podoll K, et al. **Fortschr Neurol Psychiatr** 1990 Nov;58(11):439–43 (30 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Central nervous system side effects of nonsteroidal anti-inflammatory drugs. Aseptic meningitis, psychosis, and cognitive dysfunction. Hoppmann RA, et al. **Arch Intern Med** 1991 Jul;151(7):1309–13 (51 ref.)

Clinical-behavioral observations of the long-term effects of drug abuse. Woody GE, et al. **NIDA Res Monogr** 1990; 101:71–85 (18 ref.)

[Beta blockers and depressive syndromes] Knijnik J, et al. **Arq Bras Cardiol** 1991 Feb;56(2):157–9 (30 ref.) **(Por)**

PSYCHOSES, TOXIC see **PSYCHOSES, SUBSTANCE-INDUCED**

PSYCHOSES, TRAUMATIC see **ORGANIC MENTAL DISORDERS, PSYCHOTIC**

PSYCHOSEXUAL DEVELOPMENT

Gender identity disorder and psychosexual problems in children and adolescents. Bradley SJ, et al. **Can J Psychiatry** 1990 Aug;35(6):477–86 (72 ref.)

Psychosocial and erotic development in cross-gender identified children. Zucker KJ. **Can J Psychiatry** 1990 Aug; 35(6):487–95 (64 ref.)

Ontogenesis of boyhood gender identity disorder. Coates S. **J Am Acad Psychoanal** 1990 Fall;18(3):414–38 (63 ref.)

Castration. Rangell L. **J Am Psychoanal Assoc** 1991; 39(1):3–23 (43 ref.)

Boy-lovers and their influence on boys: distorted research and anecdotal observations. Brongersma E. **J Homosex** 1990;20(1–2):145–73 (110 ref.)

Understanding childhood sexualities. Plummer K. **J Homosex** 1990;20(1–2):231–49 (55 ref.)

Do parent-child relationships change during puberty? Paikoff RL, et al. **Psychol Bull** 1991 Jul;110(1):47–66 (180 ref.)

PSYCHOSEXUAL DISORDERS

CHEMICALLY INDUCED

Sexual side effects of antipsychotic medication: evaluation and interventions. Sullivan G, et al. **Hosp Community Psychiatry** 1990 Nov;41(11):1238–41 (52 ref.)

PSYCHOLOGY

Gender identity disorder and psychosexual problems in children and adolescents. Bradley SJ, et al. **Can J Psychiatry** 1990 Aug;35(6):477–86 (72 ref.)

PSYCHOSEXUAL DYSFUNCTIONS

EPIDEMIOLOGY

Psychological and sexual aspects of the menopause. Montgomery JC, et al. **Br J Hosp Med** 1991 May; 45(5):300–2 (31 ref.)

ETIOLOGY

Psychosexual changes associated with the perimenopausal period. McCraw RK. **J Nurse Midwifery** 1991 Jan–Feb; 36(1):17–24 (34 ref.)

[Neuroses and disorders of sexual functions in men (review of of the literature] Goloburda AV. **Zh Nevropatol Psikhiatr** 1991;91(5):107–11 (91 ref.) **(Rus)**

PHYSIOPATHOLOGY

Sexual functioning in the medically ill patient. Wise TN. **Psychiatr Med** 1990;8(4):65–73 (50 ref.)

PSYCHOSIS, BRIEF REACTIVE see **PSYCHOTIC DISORDERS**

PSYCHOSIS, MANIC-DEPRESSIVE see **BIPOLAR DISORDER**

PSYCHOSOCIAL DEPRIVATION

Are boys more vulnerable to psychosocial growth retardation? Rudolf MC, et al. **Dev Med Child Neurol** 1990 Nov;32(11):1022–5 (38 ref.)

PSYCHOSOCIAL SUPPORT SYSTEMS see **SOCIAL SUPPORT**

PSYCHOSOMATIC DISORDERS see **PSYCHOPHYSIOLOGIC DISORDERS**

PSYCHOSOMATIC MEDICINE

The alexithymia construct. A potential paradigm for psychosomatic medicine. Taylor GJ, et al. **Psychosomatics** 1991 Spring;32(2):153–64 (116 ref.)

EDUCATION

Can we really teach psychosomatic medicine? A review of successes and failures. Lipsitt DR. **Psychother Psychosom** 1991;56(1–2):102–11 (36 ref.)

TRENDS

[The difficult path of critical psychosomatic medicine] Richter HE. **Psychother Psychosom Med Psychol** 1990 Sep–Oct;40(9–10):318–23 (15 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOSURGERY

ADVERSE EFFECTS

Neurologic side effects of psychiatric treatments. Dolan RJ. **Semin Neurol** 1990 Sep;10(3):295–302 (66 ref.)

HISTORY

The prefrontal area and psychosurgery. Valenstein ES. **Prog Brain Res** 1990;85:539–53; discussion 553–4 (65 ref.)

METHODS

Cortical resections outside the temporal lobe for intractable epilepsy—excluding multilobar resections and hemispherectomy. Polkey CE. **Acta Neurochir Suppl (Wien)** 1990;50:128–30 (12 ref.)

Surgical management of intractable seizure disorders. Hodges K, et al. **J Neurosci Nurs** 1991 Apr;23(2):93–100 (20 ref.)

PSYCHOTHERAPY

Panic disorder in children and adolescents: a review with examples. Bradley SJ. **Adolesc Psychiatry** 1990;17:433–50 (50 ref.)

Considerations and techniques in the treatment of persons with multiple personality disorder. Fike ML. **Am J Occup Ther** 1990 Nov;44(11):999–1007 (47 ref.)

Expressive therapy in conjunction with psychotherapy in the treatment of persons with multiple personality disorder. Higdon JF. **Am J Occup Ther** 1990 Nov;44(11):991–3 (20 ref.)

Clarification of projective identification. Goldstein WN. **Am J Psychiatry** 1991 Feb;148(2):153–61 (34 ref.)

Current conceptualizations on masochism: genesis and object relations. Glickauf-Hughes C, et al. **Am J Psychother** 1991 Jan;45(1):53–68 (42 ref.)

Perspective of power in therapeutic relationships. van Mens-Verhulst J. **Am J Psychother** 1991 Apr;45(2):198–210 (25 ref.)

Treatment of recurrent unipolar major depressive disorder. Commentary on the Pittsburgh Study. Klerman GL. **Arch Gen Psychiatry** 1990 Dec;47(12):1158–62 (28 ref.)

Psychological research on the martial arts: an addendum to Fuller's review. Columbus PJ, et al. **Br J Med Psychol** 1991 Jun;65 (Pt 2):127–35 (46 ref.)

Fear of dependence in therapeutic relationships. Pedder J. **Br J Med Psychol** 1991 Jun;65 (Pt 2):117–26 (28 ref.)

Integrating psychotherapy and pharmacotherapy. Hyland JM. **Bull Menninger Clin** 1991 Spring;55(2):205–15 (26 ref.)

Post-Tarasoff legal developments and the mental health literature. Kaufman M. **Bull Menninger Clin** 1991 Summer; 55(3):308–22 (46 ref.)

Patient suicide and its impact on the psychotherapist. Menninger WW. **Bull Menninger Clin** 1991 Spring; 55(2):216–27 (18 ref.)

Psychologic support and psychotropic medications. Hennaux P, et al. **Curr Opin Oncol** 1990 Oct;2(5):929–36 (23 ref.)

Men's changing social roles in the 1990s: emerging issues in the psychiatric treatment of men. Dickstein LJ, et al. **Hosp Community Psychiatry** 1991 Jul;42(7):701–5 (46 ref.)

Critical aspects of the psychodynamics of substance abuse and the evaluation of their application to a psychotherapeutic approach. Kaufman E. **Int J Addict** 1990–91;25(2A):97–114; discussion 115–6 (33 ref.)

Depression in children and adolescents: new data on 'undertreatment' and a literature review on the efficacy of available treatments. Keller MB, et al. **J Affective Disord** 1991 Mar;21(3):163–71 (41 ref.)

Research on religion and mental health in later life: a review and commentary. Koenig HG. **J Geriatr Psychiatry** 1990; 23(1):23–53 (66 ref.)

On psychotherapist-patient sex: discussion paper. Palermo GB. **J R Soc Med** 1990 Nov;83(11):715–9 (30 ref.)

Substance abuse and AIDS: the need for mental health services. Batki SL. **New Dir Ment Health Serv** 1990 Winter; (48):55–67 (35 ref.)

The many faces of AIDS: opportunities for intervention. Bing EG, et al. **New Dir Ment Health Serv** 1990 Winter; (48):69–82 (58 ref.)

Medical overview of HIV infection. Markowitz JC, et al. **New Dir Ment Health Serv** 1990 Winter;(48):21–31 (12 ref.)

Cyberphysiologic strategies in pediatric practice (biofeedback, self-hypnosis, and relaxation training). Olness K. **Pediatr Ann** 1991 Mar;20(3):115, 119 (8 ref.)

Youth suicide: risk factors, assessment, and treatment of adolescent and young adult suicidal patients. Blumenthal SJ. **Psychiatr Clin North Am** 1990 Sep;13(3):511–56 (252 ref.)

Psychotherapy: healing by culture. Havenaar JM. **Psychother Psychosom** 1990;53(1–4):8–13 (13 ref.)

Significance and importance of the psychotherapist's personality and experience. Knobel M. **Psychother Psychosom** 1990;53(1–4):58–63 (21 ref.)

Coping with heart transplantation: a challenge for liaison psychiatry. Zumbrunnen R. **Psychother Psychosom** 1989; 52(1–3):66–73 (38 ref.)

[Restless children. An exercise in epistemic confusion] Ludewig K. **Prax Kinderpsychol Kinderpsychiatr** 1991 May–Jun;40(5):158–66 (40 ref.) (Eng. Abstr.) **(Ger)**

[Psychotherapy and relaxation techniques] Bogetto F, et al. **Minerva Psichiatr** 1990 Jul–Sep;31(3):155–9 (21 ref.) (Eng. Abstr.) **(Ita)**

[Intervention of the psychologist in the treatment of patients with heart disease] Ebaid C, et al. **Arq Bras Cardiol** 1990 Aug;55(2):133–5 (14 ref.) **(Por)**

[Psychotherapy in multimodal treatment of diabetes mellitus] Shcherbak AV. **Sov Med** 1990;(11):38–41 (30 ref.) **(Rus)**

EDUCATION

Experiences with psychotherapy training in India. Hoch EM. **Psychother Psychosom** 1990;53(1–4):14–20 (8 ref.)

The significance and importance of supervision in psychotherapy training. Szecsödy I. **Psychother Psychosom** 1990;53(1–4):86–92 (23 ref.)

METHODS

Violence and unrestrained behavior in adolescents. Marohn RC. **Adolesc Psychiatry** 1990;17:419–32 (65 ref.)

Characteristics of change in Ericksonian hypnotherapy: a cognitive-psychological perspective. Otani A. **Am J Clin Hypn** 1990 Jul;33(1):29–39 (42 ref.)

Integrating affect in treatment with adult survivors of physical and sexual abuse. Cornell WF, et al. **Am J Orthopsychiatry** 1991 Jan;61(1):59–69 (38 ref.)

The use of writing in psychotherapy. L'Abate L. **Am J Psychother** 1991 Jan;45(1):87–98 (35 ref.)

Values and religious issues in psychotherapy and mental health. Bergin AE. **Am Psychol** 1991 Apr;46(4):394–403 (70 ref.)

Culture tales. A narrative approach to thinking, cross-cultural psychology, and psychotherapy. Howard GS. **Am Psychol** 1991 Mar;46(3):187–97 (65 ref.)

Psychotherapy outcome studies do not accurately represent current models of psychotherapy. A proposed remedy. Persons JB. **Am Psychol** 1991 Feb;46(2):99–106 (65 ref.)

Treatment of sexual abuse which occurred in childhood: a review. Cahill C, et al. **Br J Clin Psychol** 1991 Feb;30 (Pt 1):1–12 (31 ref.)

Coping, problem solving and stress: a framework for intervention strategies. Ostell A. **Br J Med Psychol** 1991 Mar;64 (Pt 1):11–24 (65 ref.)

New uses of countertransference for the inpatient treatment of borderline personality disorder. Rosenbluth M. **Can J Psychiatry** 1991 May;36(4):280–4 (31 ref.)

Psychosocial care for the chronically ill adolescent: challenges and opportunities. Ell KO, et al.

Health Soc Work 1990 Nov;15(4):272–82 (106 ref.)

A review of child psychotherapy research since 1963. Barrnett RJ, et al. **J Am Acad Child Adolesc Psychiatry** 1991 Jan;30(1):1–14 (80 ref.)

Have all won and must all have prizes? Revisiting Luborsky et al.'s verdict. Beutler LE. **J Consult Clin Psychol** 1991 Apr;59(2):226–32 (38 ref.)

Client–treatment interaction in the study of differential change processes. Shoham–Salomon V, et al. **J Consult Clin Psychol** 1991 Apr;59(2):217–25 (75 ref.)

Treatment of Aptitude X Treatment interactions. Smith B, et al. **J Consult Clin Psychol** 1991 Apr;59(2):233–44 (60 ref.)

Aptitude–treatment interaction as a framework for research on individual differences in psychotherapy. Snow RE. **J Consult Clin Psychol** 1991 Apr;59(2):205–16 (60 ref.)

A review of the controlled trials of psychotherapy for bulimia nervosa. Mitchell JE. **J Psychosom Res** 1991;35 Suppl 1:23–31 (28 ref.)

Methodology: what are the design issues involved in the defined research priorities? Beutler LE. **NIDA Res Monogr** 1990;104:105–18 (15 ref.)

Can a technology model of psychotherapy research be applied to cocaine abuse treatment? Carroll K, et al. **NIDA Res Monogr** 1990;104:91–104 (37 ref.)

Therapist effects in the treatment of drug dependence: implications for conducting comparative treatment studies. Crits–Christoph P, et al. **NIDA Res Monogr** 1990;104:39–49 (17 ref.)

Body–image therapy. Miller KD. **Nurs Clin North Am** 1991 Sep;26(3):727–36 (25 ref.)

The therapeutic use of humor for psychiatric disturbances of adolescents and adults. Saper B. **Psychiatr Q** 1990 Winter;61(4):261–72 (29 ref.)

Difficult patients in extended psychiatric hospitalization: a research perspective on the patient, staff and team. Colson DB. **Psychiatry** 1990 Nov;53(4):369–82 (25 ref.)

Positive psychotherapy: a transcultural and interdisciplinary approach to psychotherapy. Peseschkian N. **Psychother Psychosom** 1990;53(1–4):39–45 (7 ref.)

The male batterer: clinical and research issues. Sonkin DJ. **Violence Vict** 1988 Spring;3(1):65–79 (85 ref.)

[Prevention and after–care of suicidal behavior—a literature review] Stenager EN. **Nord Med** 1991;106(5):160–3 (15 ref.) (Eng. Abstr.) **(Dan)**

[Treatment of functional disorders from the psychotherapeutic point of view] Buddeberg C. **Internist (Berl)** 1991 Jan;32(1):50–5 (8 ref.) **(Ger)**

[Principles for the management of children and adolescents with psychiatric disorders] Remschmidt H. **Prax Kinderpsychol Kinderpsychiatr** 1990 Nov–Dec; 39(9–10):338–47 (30 ref.) (Eng. Abstr.) **(Ger)**

[Guilt and freedom—psychiatric–psychotherapeutic and anthropologic aspects] Bron B. **Psychother Psychosom Med Psychol** 1990 Dec;40(12):480–7 (61 ref.) (Eng. Abstr.) **(Ger)**

[New aspects of complex chronic tinnitus. II: The lost silence: effects and psychotherapeutic possibilities in complex chronic tinnitus] Goebel G, et al. **Psychother Psychosom Med Psychol** 1991 Mar–Apr; 41(3–4):123–33 (62 ref.) (Eng. Abstr.) **(Ger)**

[What makes a consultation therapeutic? On the cultural characteristics of psychotherapeutic methods] Pfeiffer W. **Psychother Psychosom Med Psychol** 1991 Mar–Apr; 41(3–4):93–101 (31 ref.) (Eng. Abstr.) **(Ger)**

TRENDS

The psychotherapies in the context of new developments in the neurosciences and biological psychiatry. Gottschalk LA. **Am J Psychother** 1990 Jul;44(3):321–39 (111 ref.)

Methodology in consultation–liaison research: a classification of biases. Levenson JL, et al. **Psychosomatics** 1990 Fall; 31(4):367–76 (54 ref.)

PSYCHOTHERAPY, COGNITIVE see **COGNITIVE THERAPY**

PSYCHOTHERAPY, GROUP

Group psychotherapy for the chronic mentally ill. Kibel HD. **Int J Group Psychother** 1991 Jan;41(1):3–9 (17 ref.)

Therapeutic group work with depressed elderly. Abraham IL, et al. **Nurs Clin North Am** 1991 Sep;26(3):635–50 (11 ref.)

Survival modes for people with AIDS in groups. Getzel GS. **Soc Work** 1991 Jan;36(1):7–11 (14 ref.)

METHODS

Group therapy for anorexic and bulimic patients. Some aspects on the conduction of group therapy and a critical review of some recent studies. Rosenvinge JH. **Acta Psychiatr Scand Suppl** 1990;361:38–43 (59 ref.)

Group psychotherapy in acute treatment settings: theory and technique. Hoge MA, et al. **Hosp Community Psychiatry** 1991 Feb;42(2):153–8 (22 ref.)

PSYCHOTHERAPY, MULTIPLE

METHODS

[Multiple psychotherapy—how many therapists are needed?] Langegger F. **Schweiz Arch Neurol Psychiatr** 1990; 141(6):557–66 (60 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOTIC DISORDERS

Postpartum depression and the experience of motherhood. Romito P. **Acta Obstet Gynecol Scand Suppl** 1991;154:1–37 (237 ref.)

Acute psychosis. Functional versus organic. Frame DS, et al. **Emerg Med Clin North Am** 1991 Feb;9(1):123–36 (36 ref.)

The doctor's health. Psychosis and depression. a'Brook M. **Practitioner** 1990 Nov;234(1496):992–3 (15 ref.)

BLOOD

Pharmacokinetics of antipsychotic drugs in man. Dahl SG. **Acta Psychiatr Scand Suppl** 1990;358:37–40 (55 ref.)

Blood level monitoring of antipsychotics and antidepressants. Javaid JI, et al. **Psychiatr Med** 1991;9(1):163–87 (97 ref.)

COMPLICATIONS

Epilepsy, psychosis and schizophrenia. Stevens JR. **Schizophr Res** 1988 Jan–Feb;1(1):79–89 (59 ref.)

DIAGNOSIS

Paradigm failure in functional psychosis: review and implications. McGorry PD. **Aust N Z J Psychiatry** 1991 Mar;25(1):43–55 (87 ref.)

The nosology and prognosis of puerperal psychosis: a review. McGorry P, et al. **Compr Psychiatry** 1990 Nov–Dec; 31(6):519–34 (42 ref.)

Psychiatric rating scales in diagnostic assessment and clinical treatment. Altman E, et al. **Psychiatr Med** 1991; 9(1):189–211 (53 ref.)

Competent and incompetent criminal defendants: a quantitative review of comparative research. Nicholson RA, et al. **Psychol Bull** 1991 May;109(3):355–70 (100 ref.)

Cycloid psychoses as atypical psychoses: 'concordance' and 'discordance'. Fukuda T. **Psychopathology** 1990; 23(4–6):253–8 (24 ref.)

Development and structure of the DCR Budapest–Nashville. Pethö B. **Psychopathology** 1990;23(4–6):316–30 (54 ref.)

Cycloid psychoses and schizoaffective psychoses—a comparison of different diagnostic classification systems and criteria. Zaudig M. **Psychopathology** 1990; 23(4–6):233–42 (43 ref.)

Royal Park Multidiagnostic Instrument for Psychosis: Part I. Rationale and review. McGorry PD, et al. **Schizophr Bull** 1990;16(3):501–15 (80 ref.)

Gender differences in affective, schizoaffective, and schizophrenic disorders. A review. Bardenstein KK, et al. **Schizophr Res** 1990 May–Jun;3(3):159–72 (115 ref.)

[Endogenous aspects of psychoses—anachronism or current guide for research in pathogenesis?] Mundt C. **Nervenarzt** 1991 Jan;62(1):3–15 (86 ref.) **(Ger)**

DRUG THERAPY

Guidelines for the dosage of antipsychotic drugs. Beckmann H, et al. **Acta Psychiatr Scand Suppl** 1990;358:63–6 (21 ref.)

Atypical neuroleptics: role of multiple receptors, endogenous dopamine, and receptor linkage. Seeman P. **Acta Psychiatr Scand Suppl** 1990;358:19–20 (72 ref.)

Clinically relevant differences between antipsychotic compounds. Silverstone T. **Acta Psychiatr Scand Suppl** 1990;358:88–91 (25 ref.)

The clinical uses and pharmacology of carbamazepine in psychiatry. Elphick M. **Int Clin Psychopharmacol** 1988 Jul; 3(3):185–203 (120 ref.)

Carbamazepine treatment of psychosis. Implications for patient welfare and nursing practice. Norris AE, et al. **J Psychosoc Nurs Ment Health Serv** 1990 Dec;28(12):13–8 (15 ref.)

Benzodiazepine augmentation of the treatment of disruptive psychotic behavior. Solomon DA, et al. **Prog Drug Res** 1990;35:139–49 (46 ref.)

Benzodiazepines (BZ) for the management of psychosis. Easton MS, et al. **Psychiatr Med** 1991;9(1):25–36 (48 ref.)

Atypical antipsychotics. Holland D, et al. **Psychiatr Med** 1991;9(1):5–24 (27 ref.)

Antipsychotic medications and seizures. Marks RC, et al. **Psychiatr Med** 1991;9(1):37–52 (34 ref.)

Psychophysiological predictors of drug treatment response. Tueting P. **Psychiatr Med** 1991;9(1):145–61 (75 ref.)

Clinical pharmacology and Leonhard's classification of endogenous psychoses. Ban TA. **Psychopathology** 1990; 23(4–6):331–8 (36 ref.)

ETIOLOGY

Neuropsychiatric complications following cardiac surgery. Mills SA, et al. **Semin Thorac Cardiovasc Surg** 1991 Jan; 3(1):39–46 (88 ref.)

GENETICS

The search for the psychosis gene. Crow TJ. **Br J Psychiatry** 1991 May;158:611–4 (27 ref.)

Adoption studies in functional psychosis [editorial] Kringlen E. **Eur Arch Psychiatry Clin Neurosci** 1991;240(6):307–13 (34 ref.)

Variable expression in the functional psychoses. A comparison with Huntington's disease. Ridley RM, et al. **Schizophr Res** 1990 May–Jun;3(3):201–10 (95 ref.)

PHYSIOPATHOLOGY

Neuroendocrine dysfunction in psychotic disorders (excluding ACTH). Ferrier IN. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):1–13 (84 ref.)

[The hyperarousal hypothesis: new aspects of a neurophysiologic concept of endogenous psychoses] Adler G. **Fortschr Neurol Psychiatr** 1991 Jun;59(6):203–6 (40 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Insight and psychosis [see comments] David AS. **Br J Psychiatry** 1990 Jun;156:798–808 (85 ref.) Comment in: Br J Psychiatry 1990 Sep;157:454. Comment in: Br J Psychiatry 1990 Nov;157:773–5.

Folie à deux and mental retardation: review and case report. Ghaziuddin M. **Can J Psychiatry** 1991 Feb;36(1):48–9 (11 ref.)

Psychosis and adolescence. The relation of intrapsychic structure formation and change to action and task. Schwartz DP. **Psychiatr Clin North Am** 1990 Sep; 13(3):401–14 (22 ref.)

Switch processes and rapid cycling in bipolar affective disorders, cycloid psychoses and nonsystematic schizophrenia. Bräunig P. **Psychopathology** 1990; 23(4–6):291–302 (63 ref.)

Current concepts in functional psychosis. The case for a loosening of associations. McGorry PD, et al. **Schizophr Res** 1990 Jul–Aug;3(4):221–34 (125 ref.)

[Consciousness functions in psychoses. Concepts, empirism and hypotheses] Hemmingsen R. **Ugeskr Laeger** 1991 Apr 15;153(16):1104–9 (25 ref.) (Eng. Abstr.) **(Dan)**

[Dialectic and psychiatry] Dörr–Zegers O. **Acta Psiquiatr Psicol Am Lat** 1990 Jul–Dec;36(3–4):111–23 (50 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Electroconvulsive therapy. Current concepts. Pearlman C. **Gen Hosp Psychiatry** 1991 Mar;13(2):128–37 (94 ref.)

Practical issues in the use of electroconvulsive therapy (ECT). Weiner RD, et al. **Psychiatr Med** 1991;9(1):133–41 (29 ref.)

PSYCHOTOMIMETIC AGENTS see **HALLUCINOGENS**

PSYCHOTROPIC DRUGS

The neural substrates of drug addiction and dependence. Pulvirenti L, et al. **Funct Neurol** 1990 Apr–Jun;5(2):109–19 (75 ref.)

Issues surrounding the assessment of the genetic determinants of drugs as reinforcing stimuli. Carney JM, et al. **J Addict Dis** 1991;10(1–2):163–77 (40 ref.)

Biochemical genetic differences in vulnerability to drug effects: is statistically significant always physiologically important and vice versa? Ritz MC. **J Addict Dis** 1991; 10(1–2):189–203 (44 ref.)

Computer–assisted strategies for substance abuse prevention: opportunities and barriers. Orlandi MA, et al. **J Consult Clin Psychol** 1990 Aug;58(4):425–31 (43 ref.)

Nicotine as a psychoactive drug. Murray JB. **J Psychol** 1991 Jan;125(1):5–25 (115 ref.)

Alcohol and drug problems in Czechoslovakia. Nerad J, et al. **J Subst Abuse Treat** 1991;8(1–2):83–8 (26 ref.)

Conditioned opponent processes in the development of tolerance to psychoactive drugs. Goudie AJ. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(5):675–88 (36 ref.)

[Pyrimidine derivatives: their psychotropic properties and the molecular mechanisms of their central action] Karkishchenko NN, et al. **Farmakol Toksikol** 1990 Jul–Aug; 53(4):67–72 (54 ref.) (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Psychopharmacological interventions in HIV infections. Fernandez F. **New Dir Ment Health Serv** 1990 Winter; (48):43–53 (50 ref.)

[Clinical and neurobiological aspects of long–term administration of psychotropic drugs] Bourin M, et al. **Can J Psychiatry** 1991 May;36(4):260–4 (55 ref.) (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Anesthesia and mental illness. Sedgwick JV, et al. **Int J Psychiatry Med** 1990;20(3):209–25 (39 ref.)

Psychotropic medication and priapism: a comprehensive review. Thompson JW Jr, et al. **J Clin Psychiatry** 1990 Oct;51(10):430–3 (50 ref.)

Psychotropic drug use in the medically ill: Part I. Stoudemire A, et al. **Psychosomatics** 1990 Fall;31(4):377–91 (103 ref.)

Psychotropic drug use in the medically ill. Part II. Stoudemire A, et al. **Psychosomatics** 1991 Winter; 32(1):34–46 (169 ref.)

Psychotropic medication and drug–related alopecia. Warnock JK. **Psychosomatics** 1991 Spring;32(2):149–52 (32 ref.)

Update of hepatotoxicity due to classes of drugs in common clinical use: non–steroidal drugs, anti–inflammatory drugs, antibiotics, antihypertensives, and cardiac and psychotropic agents. Zimmerman HJ. **Semin Liver Dis** 1990 Nov;

10(4):322–38 (172 ref.)
Neurologic side effects of psychiatric treatments. Dolan RJ. **Semin Neurol** 1990 Sep;10(3):295–302 (66 ref.)
[Psychotropic drugs and sexuality] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1990 Nov;148(9):782–8 (27 ref.) **(Fre)**
[The abstinence paradigm, is it fiction?] Bschor F. **Verh Dtsch Ges Inn Med** 1990;96:588–95 (17 ref.) **(Ger)**

PHARMACOKINETICS

Genetics of responses to drugs of abuse. Shuster L. **Int J Addict** 1990–91;25(1A):57–79 (110 ref.)
Psychopharmacology in patients with renal failure. Levy NB. **Int J Psychiatry Med** 1990;20(4):325–34 (20 ref.)
Cytochrome P-450 monooxygenases and interactions of psychotropic drugs. Shen WW, et al. **Int J Psychiatry Med** 1991;21(1):47–56 (52 ref.)
Breastfeeding and the use of psychotropic medication: a review. Buist A, et al. **J Affective Disord** 1990 Jul; 19(3):197–206 (55 ref.)

PHARMACOLOGY

Insights into the structure and function of GABA–benzodiazepine receptors: ion channels and psychiatry. Zorumski CF, et al. **Am J Psychiatry** 1991 Feb; 148(2):162–73 (114 ref.)
Presynaptic receptors. Relevance to psychotropic drug action in man. Meltzer HY. **Ann N Y Acad Sci** 1990; 604:353–71 (141 ref.)
Neuroendocrine effects of psychotropic drugs. Checkley S. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):15–33 (131 ref.)
Serenics: an introduction. Olivier B, et al. **Drug Metabol Drug Interact** 1990;8(1–2):1–9 (11 ref.)
Ethopharmacology: a creative approach to identification and characterisation of novel psychotropics. Olivier B, et al. **Drug Metabol Drug Interact** 1990;8(1–2):11–29 (42 ref.)
Behavioural pharmacology of the serenic, eltoprazine. Olivier B, et al. **Drug Metabol Drug Interact** 1990;8(1–2):31–83 (136 ref.)
The pharmacology of psychoactive alkaloids from ephedra and catha. Kalix P. **J Ethnopharmacol** 1991 Apr; 32(1–3):201–8 (55 ref.)
5-HT neuroendocrine responses during psychotropic drug treatment: an investigation of the effects of lithium. Cowen PJ, et al. **J Neurosci Methods** 1990 Sep;34(1–3):201–5 (27 ref.)
Attentional and motivational effects of psychoactive drugs. Kornetsky C, et al. **NIDA Res Monogr** 1990;97:177–92 (27 ref.)
Homeostatic theory of drug tolerance: a general model of physiological adaptation. Poulos CX, et al. **Psychol Rev** 1991 Jul;98(3):390–408 (125 ref.)
Psychoactive drugs: tolerance and sensitization by A.J. Goudie and M.W. Emmett-Oglesby. McMillan DE. **Psychopharmacology (Berl)** 1991;103(4):431–5 (7 ref.)
[Comparative effects of ginkgo biloba extracts on psychomotor performances and memory in healthy subjects] Warot D, et al. **Therapie** 1991 Jan–Feb;46(1):33–6 (24 ref.) (Eng. Abstr.) **(Fre)**
[The neurochemical bases of neuropsychotropic drugs] Stroescu V. **Rev Med Interna Neurol Psihiatr Neurochir Dermatovenerol Neurol Psihiatr Neurochir** 1990 Jan–Mar;35(1):17–27 (70 ref.) **(Rum)**
[The types of central serotonin receptors, their functional role and participation in the action of psychopharmacologic agents] Abramets II. **Farmakol Toksikol** 1990 Sep–Oct; 53(5):70–5 (72 ref.) (Eng. Abstr.) **(Rus)**
[Psychomotor stimulants as agents for enhancing work capacity] Smirnov AV. **Farmakol Toksikol** 1990 Jul–Aug; 53(4):72–7 (43 ref.) (Eng. Abstr.) **(Rus)**
[Modern problems of the pharmacology of nootropic agents: the status and outlook] Voronina TA. **Farmakol Toksikol** 1991 Mar–Apr;54(2):6–11 (69 ref.) (Eng. Abstr.) **(Rus)**
[The interaction of psychotropic preparations with immunocompetent targets as the basis for their future nontraditional use] Piruzian LA, et al. **Izv Akad Nauk SSSR [Biol]** 1990 Nov–Dec;(6):835–44 (25 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Psychotropic drugs in the elderly: principles of use. Crismon ML. **Am Pharm** 1990 Dec;NS30(12):57–63 (14 ref.)
Integrating psychotherapy and pharmacotherapy. Hyland JM. **Bull Menninger Clin** 1991 Spring;55(2):205–15 (26 ref.)
A review of the psychopharmacology of panic disorder: individual differences and non specific factors. Cox BJ, et al. **Can J Psychiatry** 1991 Mar;36(2):130–8 (56 ref.)
Perspectives on bipolar illness. Cook BL, et al. **Compr Ther** 1990 Dec;16(12):18–23 (24 ref.)
Psychologic support and psychotropic medications. Hennaux P, et al. **Curr Opin Oncol** 1990 Oct;2(5):929–36 (23 ref.)
Possible clinical applications of serenics and some implications of their preclinical profile for their clinical use in psychiatric disorders. Rasmussen DL, et al. **Drug Metabol Drug Interact** 1990;8(1–2):159–86 (131 ref.)
Psychopharmacology and neuropsychiatric syndromes in organ transplantation. Trzepacz PT, et al. **Gen Hosp Psychiatry** 1991 Jul;13(4):233–45 (86 ref.)
Behavioral, cognitive, and pharmacological treatments of panic disorder with agoraphobia: critique and synthesis. Michelson LK, et al. **J Consult Clin Psychol** 1991 Feb; 59(1):100–14 (119 ref.)
Pharmacodynamic issues relevant to geriatric psychopharmacology. Pollock BG, et al. **J Geriatr Psychiatry Neurol** 1990 Oct–Dec;3(4):221–8 (77 ref.)
Psychoactive drug prescribing in Japan: epistemological and bioethical considerations. Sakai A. **J Med Philos** 1991 Apr; 16(2):139–53; discussion 155–60 (32 ref.)
Pharmacotherapy for southeast Asian psychiatric patients. Lin KM, et al. **J Nerv Ment Dis** 1991 Jun;179(6):346–50 (30 ref.)
Event-related potentials and the prediction of differential drug response in psychiatry. Hegerl U, et al. **Neuropsychobiology** 1990;23(2):99–108 (54 ref.)
Assessment of quality control in the use of psychotropics for the treatment of depression: a brief review. Wilmotte J. **Neuropsychobiology** 1989;22(4):208–13 (37 ref.)
Improvement of phase III psychotropic drug trials by intensive phase II work. Klein DF. **Neuropsychopharmacology** 1991 Jun;4(4):251–8; discussion 259–71 (17 ref.)
Pharmacologic control of aberrant behavior in the mentally retarded: toward a more rational approach. Baumeister AA, et al. **Neurosci Biobehav Rev** 1990 Fall;14(3):253–62 (190 ref.)
A review of pharmacological agents for self-injurious behavior. Luchins DJ. **Prog Neuropsychopharmacol Biol Psychiatry** 1990;14 Suppl:S169–79 (38 ref.)
The functional neuroanatomy of psychiatric treatments. Gualtieri CT. **Psychiatr Clin North Am** 1991 Mar; 14(1):113–24 (48 ref.)
Use of medication in pervasive developmental disorders. Sloman L. **Psychiatr Clin North Am** 1991 Mar;14(1):165–82 (72 ref.)
Clinical concerns in psychopharmacology. Beresford TP, et al. **Psychiatr Med** 1990;8(4):1–11 (20 ref.)
Psychotic affective disorders: assessment and treatment issues. Janicak PG, et al. **Psychiatr Med** 1991;9(1):115–32 (52 ref.)
Comparisons of the costs of psychotropic medications: an update. Jurman RJ, et al. **Psychiatr Med** 1991;9(2):349–59 (6 ref.)
Clinical strategies for the use of psychotropic drugs during pregnancy. Miller LJ. **Psychiatr Med** 1991;9(2):275–98 (122 ref.)
Psychophysiological predictors of drug treatment response. Tueting P. **Psychiatr Med** 1991;9(1):145–61 (75 ref.)
Clinical pharmacology and Leonhard's classification of endogenous psychoses. Ban TA. **Psychopathology** 1990; 23(4–6):331–8 (36 ref.)
What next? A review of pharmacologic strategies for treatment resistant depression. Nierenberg AA, et al. **Psychopharmacol Bull** 1990;26(4):429–60 (224 ref.)
Another view of autonomy: arranging for consent in advance [see comments] Rosenson MK, et al. **Schizophr Bull** 1991; 17(1):1–7 (22 ref.) Comment in: Schizophr Bull 1991;17(1):9–14.
Drug treatment of schizophrenia. Overview of recent research. Marder SR, et al. **Schizophr Res** 1991 Mar–Apr; 4(2):81–90 (130 ref.)
Psychotropic drugs and behavioral therapy. Marder AR. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):329–42 (33 ref.)
[Panic attacks and panic disorder—diagnosis, validation and therapy] Buller R, et al. **Nervenarzt** 1990 Nov;61(11):647–57 (85 ref.) **(Ger)**
[Psychopharmacotherapy in the aged] Pöldinger W, et al. **Verh Dtsch Ges Inn Med** 1990;96:295–310 (46 ref.) **(Ger)**
[The role of emotional stress in pathogenesis of gastrointestinal diseases and the importance of psychopharmacologic combinations in their treatment (published erratum appears in Boll Chim Farm 1990 Dec;129(12):following 329)] Pace V, et al. **Boll Chim Farm** 1990 Jun;129(6):3S–9S (30 ref.) (Eng. Abstr.) **(Ita)**
[Serotonin receptors as a target for new drugs] Franck J, et al. **Lakartidningen** 1990 Dec 19;87(51–52):4417–9 (23 ref.) **(Swe)**

PTA DEFICIENCY see **FACTOR XI DEFICIENCY**

PTC see **FACTOR IX**

PTCA see **ANGIOPLASTY, TRANSLUMINAL, PERCUTANEOUS CORONARY**

PTERIDINES

CHEMISTRY

Enzymes depending on the pterin molybdenum cofactor: sequence families, spectroscopic properties of molybdenum and possible cofactor-binding domains. Wootton JC, et al. **Biochim Biophys Acta** 1991 Mar 29;1057(2):157–85 (215 ref.)

METABOLISM

Novel aspects of the biochemistry of the molybdenum cofactor. Rajagopalan KV. **Adv Enzymol Relat Areas Mol Biol** 1991;64:215–90 (91 ref.)
Biochemistry and function of pteridine synthesis in human and murine macrophages. Werner ER, et al. **Pathobiology** 1991;59(4):276–9 (18 ref.)

PTEROYLGLUTAMIC ACID see **FOLIC ACID**

PTERYGIUM

Pterygium. Clinical course and treatment. Cornand G. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1989;66(3–4):31–108 (47 ref.) **(Eng, Fre)**

GENETICS

The lethal multiple pterygium syndrome: a nosological approach. de Die-Smulders CE, et al. **Genet Couns** 1990; 1(1):13–23 (40 ref.)

PHYSIOPATHOLOGY

[Pterygium. Course and treatment] Cornand G. **J Fr Ophtalmol** 1990;13(1–2):33–45 (47 ref.) **(Fre)**

RADIOTHERAPY

The role of strontium-90 beta irradiation in the management of pterygium. Neal AJ, et al. **Clin Oncol (R Coll Radiol)** 1991 Mar;3(2):105–9 (19 ref.)

PTOSIS, EYELID see **BLEPHAROPTOSIS**

PTSD see **STRESS DISORDERS, POST-TRAUMATIC**

PUBERTY

Hyperandrogenism in peripubertal girls. Rosenfield RL. **Pediatr Clin North Am** 1990 Dec;37(6):1333–58 (75 ref.)

PHYSIOLOGY

The endocrinology of the pubertal growth spurt. Pescovitz OH. **Acta Paediatr Scand Suppl** 1990;367:119–25 (71 ref.)
The endocrinology of normal and abnormal female puberty. Thomas MA, et al. **Curr Opin Obstet Gynecol** 1989 Dec; 1(2):259–65 (7 ref.)
Pubertal growth and growth hormone secretion. Martha PM Jr, et al. **Endocrinol Metab Clin North Am** 1991 Mar; 20(1):165–82 (66 ref.)
Puberty and its disorders in girls. Rosenfield RL. **Endocrinol Metab Clin North Am** 1991 Mar;20(1):15–42 (27 ref.)
Puberty and its disorders in boys. Styne DM. **Endocrinol Metab Clin North Am** 1991 Mar;20(1):43–69 (89 ref.)
Physical changes of puberty. Wheeler MD. **Endocrinol Metab Clin North Am** 1991 Mar;20(1):1–14 (18 ref.)
Anabolic-androgenic steroids profoundly affect growth at puberty in boys. Rogol AD, et al. **NIDA Res Monogr** 1990; 102:187–95 (16 ref.)
The mystery of mammalian puberty: how much more do we know? Ojeda SR. **Perspect Biol Med** 1991 Spring; 34(3):365–83 (60 ref.)
[Physiology of puberty] Fernández Tresguerres JA. **An Esp Pediatr** 1990 Nov;33 Suppl 42:29–36 (40 ref.) **(Spa)**

PSYCHOLOGY

The interaction of pubertal and psychosocial development during adolescence. Litt IF. **Pediatr Rev** 1991 Feb; 12(8):249–55 (25 ref.)
Do parent-child relationships change during puberty? Paikoff RL, et al. **Psychol Bull** 1991 Jul;110(1):47–66 (180 ref.)

PUBERTY, DELAYED

The endocrinology of normal and abnormal female puberty. Thomas MA, et al. **Curr Opin Obstet Gynecol** 1989 Dec; 1(2):259–65 (7 ref.)
Pubertal disorders. Psychology and clinical management. Mazur T, et al. **Endocrinol Metab Clin North Am** 1991 Mar; 20(1):211–30 (80 ref.)

DRUG THERAPY

Update on pulsatile luteinizing hormone-releasing hormone therapy in males with idiopathic hypogonadotropic hypogonadism and delayed puberty. Giusti M, et al. **J Endocrinol Invest** 1991 May;14(5):419–29 (76 ref.)
Role of pulsatile luteinizing hormone releasing-hormone therapy in males with idiopathic hypogonadotropic hypogonadism and delayed puberty. Giusti M, et al. **Recenti Prog Med** 1991 Jan;82(1):47–53 (41 ref.)
[The role of pulsatile LHRH therapy in women: the treatment of delayed puberty and of hypothalamic amenorrhea] Giusti M, et al. **Recenti Prog Med** 1990 Nov;81(11):724–32 (63 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

[Puberty and its disorders] Kauf E, et al.

Z Arztl Fortbild (Jena) 1991 Feb 25;85(3–4):113–8 (13 ref.) **(Ger)**

[Infantilism of non-endocrine origin] Borrajo Guadarrama E, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 42:60–9 (86 ref.) **(Spa)**

[Infantilism and puberal retardation of gonadal origin] Casado de Frias E, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 42:46–53 (47 ref.) **(Spa)**

METABOLISM

[Hypogonadotropic hypogonadism] Seara Aguilar G, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 42:54–9 (41 ref.) **(Spa)**

PHYSIOPATHOLOGY

Puberty and its disorders in girls. Rosenfield RL. **Endocrinol Metab Clin North Am** 1991 Mar;20(1):15–42 (27 ref.)

Puberty and its disorders in boys. Styne DM. **Endocrinol Metab Clin North Am** 1991 Mar;20(1):43–69 (89 ref.)

THERAPY

[Treatment of sexual infantilism] Pombo M, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 42:70–4 (23 ref.) **(Spa)**

PUBERTY, PRECOCIOUS

The endocrinology of normal and abnormal female puberty. Thomas MA, et al. **Curr Opin Obstet Gynecol** 1989 Dec; 1(2):259–65 (7 ref.)

Gonadotropin-independent precocious puberty. Holland FJ. **Endocrinol Metab Clin North Am** 1991 Mar;20(1):191–210 (64 ref.)

Pubertal disorders. Psychology and clinical management. Mazur T, et al. **Endocrinol Metab Clin North Am** 1991 Mar; 20(1):211–30 (80 ref.)

DRUG THERAPY

Drug treatment in precocious puberty. Wheeler MD, et al. **Drugs** 1991 May;41(5):717–28 (38 ref.)

The treatment of precocious puberty. Wheeler MD, et al. **Endocrinol Metab Clin North Am** 1991 Mar;20(1):183–90 (30 ref.)

[Treatment with the LH-RH agonist (Zoladex depot) in patients with puberty praecox] Bassi F, et al. **Drugs Exp Clin Res** 1990;16 Suppl:33–7 (7 ref.) **(Ita)**

ETIOLOGY

[Puberty and its disorders] Kauf E, et al. **Z Arztl Fortbild (Jena)** 1991 Feb 25;85(3–4):113–8 (13 ref.) **(Ger)**

PHYSIOPATHOLOGY

Puberty and its disorders in girls. Rosenfield RL. **Endocrinol Metab Clin North Am** 1991 Mar;20(1):15–42 (27 ref.)

Puberty and its disorders in boys. Styne DM. **Endocrinol Metab Clin North Am** 1991 Mar;20(1):43–69 (89 ref.)

PUBLIC ADVOCACY see **CONSUMER ADVOCACY**

PUBLIC ASSISTANCE

see related
SOCIAL WELFARE

PUBLIC HEALTH

see related
ZOONOSES

AIDS in the Americas: a public health priority for the region [see comments] Quinn TC, et al. **AIDS** 1990 Aug; 4(8):709–24 (157 ref.) Comment in: AIDS 1991 Feb;5(2):227.

Bioethics and public health in the 1980s: resource allocation and AIDS. Faden RR, et al. **Annu Rev Public Health** 1991; 12:335–60 (155 ref.)

Progress and problems in international public health efforts to reduce tobacco usage. Pierce JP. **Annu Rev Public Health** 1991;12:383–400 (59 ref.)

Origins of public health collapse in New York City: the dynamics of planned shrinkage, contagious urban decay and social disintegration. Wallace R, et al. **Bull N Y Acad Med** 1990 Sep–Oct;66(5):391–434 (84 ref.)

A review of the epidemiology, public health importance, treatment and control of head lice. Chunge RN, et al. **Can J Public Health** 1991 May–Jun;82(3):196–200 (69 ref.)

Drug abuse and public health. A global perspective. Senay EC. **Drug Saf** 1991;6 Suppl 1:1–65 (175 ref.)

Carcinogen adducts as an indicator for the public health risks of consuming carcinogen-exposed fish and shellfish. Dunn BP. **Environ Health Perspect** 1991 Jan;90:111–6 (51 ref.)

How epidemiologists can improve television network news coverage of disease cluster reports. Greenberg M, et al. **Epidemiology** 1990 Mar;1(2):167–70 (15 ref.)

Public health aspects of periodontal diseases in Europe. Sheiham A. **J Clin Periodontol** 1991 Jul;18(6):362–9 (96 ref.)

Nutrition and health in China, 1949 to 1989. Kantha SS. **Prog Food Nutr Sci** 1990;14(2–3):93–137 (226 ref.)

Randomized clinical trials and public health: a review of current trends. Dumitrașcu DL, et al. **Sante Publique (Bucur)** 1990 Jan–Mar;33(1):17–23 (21 ref.)

[Environment, chemicals and public health] Kroes R, et al. **Tijdschr Diergeneeskd** 1991 Feb 15;116(4):180–6 (23 ref.) (Eng. Abstr.) **(Dut)**

[Agriculture–health interface in the field of epidemiology of vector-borne diseases and the control of vectors] Mouchet J, et al. **Bull Soc Pathol Exot Filiales** 1990;83(3):376–93 (49 ref.) (Eng. Abstr.) **(Fre)**

LEGISLATION & JURISPRUDENCE

AIDS prevention: legislative options. Clark ME. **Am J Law Med** 1990;16(1–2):107–53 (295 ref.)

Medical privacy issues in the age of AIDS: legislative options. Edgar H, et al. **Am J Law Med** 1990;16(1–2):155–222 (324 ref.)

Testing for AIDS: uses and abuses. Field MA. **Am J Law Med** 1990;16(1–2):33–106 (383 ref.)

Financing health care for persons with HIV infection: guidelines for state action. Fox DM. **Am J Law Med** 1990; 16(1–2):223–47 (74 ref.)

A decade of a maturing epidemic: an assessment and directions for future public policy. Gostin L. **Am J Law Med** 1990;16(1–2):1–32 (136 ref.)

The carcinogenic potential of cadmium, arsenic, and selenium and the associated public health and regulatory implications. Fan AM. **J Toxicol Sci** 1990 Dec;15 Suppl 4:162–75 (44 ref.)

ORGANIZATION & ADMINISTRATION

Public health versus public policy? An appraisal of British urban transport policy. Wolff SP, et al. **Public Health** 1991 May;105(3):217–28 (97 ref.)

STANDARDS

Zoonoses in India. Sehgal S, et al. **J Commun Dis** 1990 Dec; 22(4):227–35 (28 ref.)

TRENDS

New directions in violence prediction: the public health arena. Mercy JA, et al. **Violence Vict** 1988 Winter; 3(4):285–301 (75 ref.)

PUBLIC HEALTH ADMINISTRATION

see related
COMMUNITY HEALTH SERVICES

Medical discipline and licensing in the State of New York: a critical review. Post J. **Bull N Y Acad Med** 1991 Jan–Feb; 67(1):66–98 (8 ref.)

LEGISLATION & JURISPRUDENCE

AIDS, the law and civil liberties. Lansdell GT. **Med J Aust** 1991 Jan 7;154(1):61–7 (26 ref.)

PUBLIC HEALTH DENTISTRY

see related
HEALTH EDUCATION, DENTAL

STANDARDS

Workshop to Develop Competency Objectives in Dental Public Health. Proceedings. American Association of Public Health Dentistry Ad Hoc Committee to Update the Behavioral Objectives in Dental Public Health. Rozier RG. **J Public Health Dent** 1990 Fall;50(5):330–3 (7 ref.)

PUBLIC HEALTH NURSING

Primary prevention of adolescent pregnancy [see comments] Perkins JL. **Birth Defects** 1991;27(1):9–28 (114 ref.) Comment in: Birth Defects 1991;27(1):29–32.

PUBLIC HEALTH SURVEILLANCE see **POPULATION SURVEILLANCE**

PUBLIC HOUSING

STATISTICS & NUMERICAL DATA

Who are the homeless families? Characteristics of sheltered mothers and children. Bassuk EL. **Community Ment Health J** 1990 Oct;26(5):425–34 (21 ref.)

PUBLIC OPINION

see related
ATTITUDE TO HEALTH

The public view of medicine. Blendon RJ. **Clin Neurosurg** 1991;37:225–31 (0 ref.)

The American drug panic of the 1980s: social construction or objective threat? Goode E. **Int J Addict** 1990 Sep; 25(9):1083–98 (65 ref.)

Man/boy love and the American gay movement. Thorstad D. **J Homosex** 1990;20(1–2):251–74 (45 ref.)

Regulating teratogenicity as a health risk. Gilden N, et al. **Soc Sci Med** 1991;32(10):1191–8 (72 ref.)

The role of public values in setting health care priorities. Hadorn DC. **Soc Sci Med** 1991;32(7):773–81 (48 ref.)

[Bean grain quality] Bressani R. **Arch Latinoam Nutr** 1989 Sep;39(3):419–42 (62 ref.) (Eng. Abstr.) **(Spa)**

PUBLIC POLICY

Origins of public health collapse in New York City: the dynamics of planned shrinkage, contagious urban decay and social disintegration. Wallace R, et al. **Bull N Y Acad Med** 1990 Sep–Oct;66(5):391–434 (84 ref.)

Obscenity and social harm: a contested terrain. Brannigan A. **Int J Law Psychiatry** 1991;14(1–2):1–12 (60 ref.)

The evolution of a science advisory body in the federal government. Cassman M. **Perspect Biol Med** 1991 Spring; 34(3):439–62 (28 ref.)

Public health versus public policy? An appraisal of British urban transport policy. Wolff SP, et al. **Public Health** 1991 May;105(3):217–28 (97 ref.)

Regulating teratogenicity as a health risk. Gilden N, et al. **Soc Sci Med** 1991;32(10):1191–8 (72 ref.)

Contributions of family violence research to criminal justice policy on wife assault: paradigms of science and social control. Fagan J. **Violence Vict** 1988 Fall;3(3):159–86 (130 ref.)

PUBLIC RELATIONS

Epidemics and agendas: the politics of nightly news coverage of AIDS. Colby DC, et al. **J Health Polit Policy Law** 1991 Summer;16(2):215–49 (51 ref.)

PUBLISHING

Gift co-authorships: a tangled web. Jackway P, et al. **Aust Clin Rev** 1990;10(2):72–5 (22 ref.)

Suspended judgment. Is the scientific paper a fraud? Silverman WA. **Controlled Clin Trials** 1991 Apr;12(2):273–6 (16 ref.)

Cancer registration: principles and methods. Reporting of results. Jensen OM, et al. **IARC Sci Publ** 1991;(95):108–25 (0 ref.)

Subject descriptions, control groups, and research designs in published studies of language-impaired children. Schmitt JF, et al. **J Commun Disord** 1990 Dec;23(6):365–82 (106 ref.)

STANDARDS

Recommended guidelines for uniform reporting of data on out-of-hospital cardiac arrests: the "Utstein style" [editorial] Swanson RW. **Can Med Assoc J** 1991 Sep 1; 145(5):407–10 (0 ref.)

[Use of various bibliometric methods in operative evaluation of research activities of the research institutions of medico-biological profile] Karas' GA, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):61–5 (13 ref.) (Eng. Abstr.) **(Rus)**

PUERICULTURE see **CHILD CARE**

PUERPERAL DISORDERS

Postpartum depression and the experience of motherhood. Romito P. **Acta Obstet Gynecol Scand Suppl** 1991;154:1–37 (237 ref.)

Postnatal depression: a review of recent literature [see comments] Richards JP. **Br J Gen Pract** 1990 Nov; 40(340):472–6 (56 ref.) Comment in: Br J Gen Pract 1991 Feb;41(343):85.

Dystocias, cesarean section, and puerperium. Hayashi RH. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):172–6 (26 ref.)

Malignant nephrosclerosis in women post partum. A note on microangiopathic hemolytic anemia. Scheer RL, et al. **JAMA** 1967 Aug 21;201(8):600–4 (22 ref.)

[Postpartum thyroiditis: silent thyroiditis] Wémeau JL. **Presse Med** 1991 Apr 6;20(13):601–6 (37 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

The nosology and prognosis of puerperal psychosis: a review. McGorry P, et al. **Compr Psychiatry** 1990 Nov–Dec; 31(6):519–34 (42 ref.)

The puerperium, breastfeeding, and breast milk. Lawrence RA. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):23–30 (13 ref.)

Hemostasis in the perinatal period: approach to the diagnosis of coagulation disorders. Beardsley DS. **Semin Perinatol** 1991 Jun;15(3 Suppl 2):25–34 (41 ref.)

EPIDEMIOLOGY

Postpartum ovarian vein thrombophlebitis: a review. Dunnihoo DR, et al. **Obstet Gynecol Surv** 1991 Jul; 46(7):415–27 (82 ref.)

[Morbidity among mothers and infants after ambulatory deliveries] Kierkegaard O. **Ugeskr Laeger** 1991 Jul 29; 153(31):2170–2 (27 ref.) (Eng. Abstr.) **(Dan)**

ETIOLOGY

Peripartum cardiomyopathy: clinical and therapeutic characteristics. Ventura HO. **J La State Med Soc** 1991 May;

143(5):45–8 (22 ref.)
Intracranial hemorrhage from aneurysms and arteriovenous malformations during pregnancy and the puerperium. Dias MS, et al. **Neurosurgery** 1990 Dec;27(6):855–65; discussion 865–6 (109 ref.)
[Diseases of the peripheral nervous system during pregnancy, labor and puerperium (review of the literature)] Burshinov AO, et al. **Zh Nevropatol Psikhiatr** 1991;91(4):109–13 (136 ref.) **(Rus)**

IMMUNOLOGY

Lymphocytic adenohypophysitis: an immunohistochemical study. Hashimoto M, et al. **Surg Neurol** 1991 Aug; 36(2):137–44 (30 ref.)

PSYCHOLOGY

Postpartum depression: a clinical view. Landy S, et al. **Matern Child Nurs J** 1989 Spring;18(1):1–29 (133 ref.)

THERAPY

Management of postpartum uterine atony. Ferland RJ, et al. **R I Med J** 1990 Dec;73(12):626–7 (7 ref.)

PUERPERAL INFECTION

Candida sepsis in pregnancy and the postpartum period. Potasman I, et al. **Rev Infect Dis** 1991 Jan–Feb;13(1):146–9 (25 ref.)
Pneumococcal endometritis and neonatal sepsis. Robinson EN Jr. **Rev Infect Dis** 1990 Sep–Oct;12(5):799–801 (11 ref.)

DIAGNOSIS

[The diagnosis of infection in pregnancy at risk] Hoyme UB. **Gynakologe** 1990 Oct;23(5):266–72 (17 ref.) **(Ger)**

PREVENTION & CONTROL

[Structure and function of human lactoferrin; prospects of its studies in obstetrics] Diugeev AN, et al. **Akush Ginekol (Mosk)** 1991 Jan;(1):6–9 (52 ref.) **(Rus)**

PUERPERIUM

Budd Chiari syndrome in a post partum female with adrenal cortical carcinoma. Case report and review of the literature. González Keelan C, et al. **Bol Asoc Med P R** 1990 Dec; 82(12):538–40 (14 ref.)
[Cardiomyopathy in the peripartum period: current aspects. A multicenter study. 11 cases] Ferrière M, et al. **Arch Mal Coeur** 1990 Sep;83(10):1563–9 (26 ref.) (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Risk–benefit assessment of anaesthetic agents in the puerperium. Kanto J. **Drug Saf** 1991 Jul–Aug;6(4):285–301 (161 ref.)
Oral contraceptives in the puerperium. Sulak PJ. **Int J Fertil** 1991;36 Suppl 2:87–9 (21 ref.)

IMMUNOLOGY

[Correlation between IGA from colostrum and serum and IGA is closer than between salivary IGA and total IGA] Tallería Orriols JJ, et al. **An Esp Pediatr** 1990 Jul;33(1):31–5 (40 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Neuroendocrinology of the hypothalamo–pituitary–adrenal axis in pregnancy and the puerperium. Smith R, et al. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):167–86 (93 ref.)
Lactational anoestrus in farm animals. Peters AR, et al. **Oxf Rev Reprod Biol** 1990;12:245–88 (229 ref.)

PSYCHOLOGY

The effects of social support on women's health during pregnancy, labor and delivery, and the postpartum period. Gjerdingen DK, et al. **Fam Med** 1991 Jul;23(5):370–5 (50 ref.)
[Neuroendocrine factors in postpartum blues] D'Addato F, et al. **Minerva Psichiatr** 1991 Apr–Jun;32(2):83–7 (30 ref.) (Eng. Abstr.) **(Ita)**

PUERTO RICANS see **HISPANIC AMERICANS**

PULMONARY ALVEOLAR PROTEINOSIS

[Lipid proteinosis of pulmonary alveoli] Zielonka TM, et al. **Pol Arch Med Wewn** 1990 Aug;84(2):114–9 (35 ref.) **(Pol)**

CHEMICALLY INDUCED

[Alveolar proteinosis and occupational exposure] Chariot P, et al. **Ann Med Interne (Paris)** 1991;142(3):197–202 (65 ref.) **(Fre)**

IMMUNOLOGY

[Two cases of pulmonary alveolar proteinosis with increased CEA] Takanashi S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Jul; 28(7):1006–11 (13 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Therapeutic applications of BAL. Danel C, et al. **Eur Respir J** 1990 Sep;3(8):960–1, 961–9 (294 ref.)

PULMONARY ALVEOLI

[Alveolar hemorrhage] García–Casasola G, et al. **Rev Clin Esp** 1990 Nov;187(8):412–7 (30 ref.) **(Spa)**

CYTOLOGY

Alveolar macrophage: origin, kinetics and relationship with cells of the alveolo–interstitial region. Pérez–Arellano JL, et al. **Allergol Immunopathol (Madr)** 1990 May–Jun; 18(3):175–83 (103 ref.)
Matrix–driven pneumocyte differentiation. Lwebuga–Mukasa JS. **Am Rev Respir Dis** 1991 Aug;144(2):452–7 (78 ref.)
Application of confocal scanning laser microscopy in experimental pathology. Smith GJ, et al. **J Electron Microsc Tech** 1991 May;18(1):38–49 (44 ref.)
Functional morphology of the tracheobronchial tree and the lung periphery. Eckert H. **Z Erkr Atmungsorgane** 1991; 176(2–3):87–90 (7 ref.)

IMMUNOLOGY

Alveolar macrophage biology. Holian A, et al. **Hosp Pract [Off]** 1990 Dec 15;25(12):53–62 (9 ref.)

PATHOLOGY

[Latent alveolitis in systemic disease. The transition between the normal and the pathological] Wallaert B, et al. **Rev Mal Respir** 1990;7(1):17–25 (52 ref.) (Eng. Abstr.) **(Fre)**
[The role of fibronectin in the pathogenesis of pneumoconiosis (review of the literature)] Iaglov VV, et al. **Gig Tr Prof Zabol** 1991;(2):29–30 (12 ref.) **(Rus)**

PHYSIOLOGY

Ectopeptidases of alveolar epithelium: candidates for roles in alveolar regulatory mechanisms. Funkhouser JD, et al. **Am J Physiol** 1991 Jun;260(6 Pt 1):L381–5 (44 ref.)
Surfactant proteins and SP–D. Weaver TE. **Am J Respir Cell Mol Biol** 1991 Jul;5(1):4–5 (10 ref.)
The production of alveolar macrophage–derived growth–regulating proteins in response to lung injury. Brandes ME, et al. **Toxicol Lett** 1990 Nov;54(1):3–22; discussion 1–2 (208 ref.)

PULMONARY ARTERY

Balloon dilation of branch pulmonary artery stenosis. Rothman A, et al. **Semin Thorac Cardiovasc Surg** 1990 Jan; 2(1):46–54 (33 ref.)
Brain abscess associated with congenital pulmonary arteriovenous fistula. Momma F, et al. **Surg Neurol** 1990 Dec;34(6):439–41 (6 ref.)
[The value of recording the pulmonary insufficiency flow by continuous Doppler for the evaluation of systolic pulmonary artery pressure] Raffoul H, et al. **Arch Mal Coeur** 1990 Oct;83(11):1703–9 (25 ref.) (Eng. Abstr.) **(Fre)**
[Severe pulmonary artery involvement of Takayasu arteritis. 3 cases and review of the literature] Blétry O, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):817–22 (32 ref.) (Eng. Abstr.) **(Fre)**
[Aneurysm of the pulmonary artery. X–ray computed tomographic and MRI aspects. A case report and review of the literature] Poey C, et al. **J Radiol** 1990 Nov; 71(11):629–32 (16 ref.) (Eng. Abstr.) **(Fre)**
[Primary pulmonary hypertension in children] Rachocka J, et al. **Wiad Lek** 1990 Oct 1–15;43(19–20):964–6 (21 ref.) (Eng. Abstr.) **(Pol)**

ABNORMALITIES

Fleischner lecture. Developmental abnormalities in the systemic blood supply to the lungs. Ellis K. **AJR Am J Roentgenol** 1991 Apr;156(4):669–79 (55 ref.)
The inheritance of conotruncal malformations: a review and report of two siblings with tetralogy of Fallot with pulmonary atresia. Wulfsberg EA, et al. **Clin Genet** 1991 Jul;40(1):12–6 (13 ref.)
[Repair of Tetralogy of Fallot with a single pulmonary artery. Developmental modalities] Bloch G, et al. **Ann Chir** 1990; 44(8):624–7 (10 ref.) **(Fre)**
[Pulmonary arteriovenous fistula] David V, et al. **Arch Fr Pediatr** 1991 Mar;48(3):207–9 (12 ref.) (Eng. Abstr.) **(Fre)**
[Right pulmonary artery arising from the proximal ascending aorta. A model of reflex pulmonary hypertension of the left lung?] Benamer H, et al. **Arch Mal Coeur Vaiss** 1991 May;84(5):639–46 (26 ref.) (Eng. Abstr.) **(Fre)**
[A case of intrapleural rupture of pulmonary arteriovenous malformation with shock] Itaoka Y, et al. **Kokyu To Junkan** 1990 Aug;38(8):811–4 (16 ref.) (Eng. Abstr.) **(Jpn)**
[Surgical repair for pulmonary artery sling on a 46–day–old infant] Horikoshi J, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Aug;38(8):1321–5 (14 ref.) (Eng. Abstr.) **(Jpn)**
[A case of Swyer–James syndrome diagnosed at age 70] Sakai M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Jul; 28(7):994–8 (15 ref.) (Eng. Abstr.) **(Jpn)**

INJURIES

Swan–Ganz catheter–induced massive hemoptysis and pulmonary artery false aneurysm. Feng WC, et al. **Ann Thorac Surg** 1990 Oct;50(4):644–6 (9 ref.)
[Pulmonary artery rupture from the Swan–Ganz catheter: incidence, pathophysiology, treatment, prevention] Putterman C. **Harefuah** 1991 Mar 15;120(6):352–4 (39 ref.) **(Heb)**

PATHOLOGY

Pulmonary artery sarcoma: another cause of sudden death. Varriale P, et al. **Clin Cardiol** 1991 Feb;14(2):160–4 (51 ref.)
Evaluation of great heart vessels and pulmonary vasculature. Stanford W, et al. **Curr Opin Radiol** 1991 Aug;3(4):533–8 (19 ref.)

PHYSIOLOGY

When is pulmonary artery catheterization worth the risks? Zimmerman FH. **Postgrad Med** 1991 Feb 1;89(2):169–76 (20 ref.)

PHYSIOPATHOLOGY

Atherosclerosis and the lung. Langleben D. **Can J Cardiol** 1990 Sep;6(7):VI (10 ref.)
[Primary pulmonary hypertension] Konopleva LF. **Klin Med (Mosk)** 1990 Sep;68(9):13–8 (15 ref.) **(Rus)**

RADIOGRAPHY

The incidence and patterns of pulmonary artery involvement in Takayasu's arteritis. Sharma S, et al. **Clin Radiol** 1990 Sep;42(3):177–81 (8 ref.)

SURGERY

The Damus–Stansel–Kaye procedure: anatomical determinants and modifications. DeLeon SY, et al. **Ann Thorac Surg** 1991 Sep;52(3):680–7 (23 ref.)
Hypoplastic left heart syndrome. Norwood WI Jr. **Ann Thorac Surg** 1991 Sep;52(3):688–95 (4 ref.)
Modified Blalock–Taussig shunts in the treatment of tetralogy of Fallot. Rosenkranz ER. **Semin Thorac Cardiovasc Surg** 1990 Jan;2(1):27–33 (70 ref.)
[Cavo–bipulmonary anastomosis. Apropos of 3 cases] Leca F, et al. **Arch Mal Coeur Vaiss** 1991 May;84(5):697–702 (22 ref.) (Eng. Abstr.) **(Fre)**
[Fontan operation] Kurosawa H, et al. **Kyobu Geka** 1991 Jan; 44(1):100–4 (44 ref.) **(Jpn)**

PULMONARY CIRCULATION

Pulmonary circulation and burns and trauma. Herndon DN, et al. **J Trauma** 1990 Dec;30(12 Suppl):S41–4 (24 ref.)
Physiology and pathophysiology of pulmonary circulation. Mathew R, et al. **Microcirc Endothelium Lymphatics** 1990 Aug–Oct;6(4–5):211–52 (85 ref.)

DRUG EFFECTS

Interactions of oxidant stress and vascular reactivity. Gurtner GH, et al. **Am J Physiol** 1991 Apr;260(4 Pt 1):L207–11 (50 ref.)

PHYSIOLOGY

The pulmonary circulation during mechanical ventilation. Versprille A. **Acta Anaesthesiol Scand Suppl** 1990;94:51–62 (62 ref.)
Pulmonary circulation and systemic circulation: similar problems, different solutions. Farhi LE, et al. **Adv Exp Med Biol** 1990;277:579–86 (7 ref.)
Physiology and pathophysiology of pulmonary circulation. Neri Serneri GG. **Ann Ital Med Int** 1988;3 Suppl 1:8–11 (0 ref.)
Pulmonary neutrophil kinetics. MacNee W. **Clin Phys Physiol Meas** 1990;11 Suppl A:133–9 (30 ref.)
The role of pulmonary vascular endothelium in perinatal pulmonary circulatory regulation. Fineman JR, et al. **Semin Perinatol** 1991 Feb;15(1):58–62 (31 ref.)
[Tissue factors involved in hypoxic pulmonary vasoconstriction] Hampl V, et al. **Cesk Fysiol** 1991; 40(1):1–23 (206 ref.) **(Cze)**
[Definition and measurement values of acute respiratory insufficiency: pulmonary circulation, cardiac function] Scheidegger D. **Klin Anasthesiol Intensivther** 1991; 39:109–20; discussion 169–82 (29 ref.) **(Ger)**

PULMONARY COIN LESION see **COIN LESION, PULMONARY**

PULMONARY DISEASE (SPECIALTY)

EDUCATION

Preventive pulmonary medical education. A review of its importance, status, and challenge. Glanz K, et al. **Chest**

1991 Aug;100(2):487–93 (64 ref.)

STATISTICS & NUMERICAL DATA

Statistics in respiratory medicine. 2. Repeatability and method comparison. Chinn S. **Thorax** 1991 Jun;46(6):454–6 (8 ref.)
Statistics in respiratory medicine. 3. Scale, parametric methods, and transformations. Chinn S. **Thorax** 1991 Jul; 46(7):536–8 (6 ref.)

TRENDS

Recent advances in pulmonary medicine. Passero MA. **R I Med J** 1990 Nov;73(11):533–9 (36 ref.)

PULMONARY DISEASE, CHRONIC OBSTRUCTIVE see **LUNG DISEASES, OBSTRUCTIVE**

PULMONARY DISEASES see **LUNG DISEASES**

PULMONARY EDEMA

CHEMICALLY INDUCED

Noncardiogenic pulmonary edema complicating massive diltiazem overdose. Humbert VH Jr, et al. **Chest** 1991 Jan; 99(1):258–9 (14 ref.)
Hyskon complications in hysteroscopic surgery. McLucas B. **Obstet Gynecol Surv** 1991 Apr;46(4):196–200 (29 ref.)

ETIOLOGY

"Mechanical" causes of pulmonary edema. Timby J, et al. **Chest** 1990 Oct;98(4):973–9 (74 ref.)
Neurogenic pulmonary edema. A review of the literature and a perspective. Ell SR. **Invest Radiol** 1991 May; 26(5):499–506 (119 ref.)
Noncardiogenic pulmonary edema following upper airway obstruction. 7 cases and a review of the literature. Kollef MH, et al. **Medicine (Baltimore)** 1991 Mar;70(2):91–8 (64 ref.)
Resolution of pulmonary edema. New insights [clinical conference] Matthay MA. **West J Med** 1991 Mar; 154(3):315–21 (30 ref.)
[Neurogenic pulmonary edema, complication of meningeal hemorrhage: report of 4 cases] Jourdan C, et al. **Agressologie** 1990 Jun;31(6):395–403 (35 ref.) (Eng. Abstr.) **(Fre)**
[Fatal pulmonary edema in a pernicious malaria attack] Rioult B, et al. **Ann Fr Anesth Reanim** 1990;9(6):557–9 (17 ref.) (Eng. Abstr.) **(Fre)**
[Radiologic monitoring of the mechanically ventilated patient] Jantsch H, et al. **Klin Anasthesiol Intensivther** 1991; 39:134–68; discussion 169–82 (87 ref.) **(Ger)**

METABOLISM

[Lung lymph composition and flow in experimental pulmonary edema] Fukushima M, et al. **Kokyu To Junkan** 1991 May;39(5):413–7 (16 ref.) **(Jpn)**

RADIOGRAPHY

Pulmonary edema and adult respiratory distress syndrome. Morgan PW, et al. **Radiol Clin North Am** 1991 Sep; 29(5):943–63 (32 ref.)

PULMONARY EMBOLISM

Pulmonary microembolism and lung vascular injury. Malik AB. **Eur Respir J Suppl** 1990 Oct;11:499s–506s (71 ref.)
Amniotic fluid embolism. Hardin L, et al. **South Med J** 1991 Aug;84(8):1046–8 (17 ref.)
Deep venous thrombosis in the surgical intensive care unit. Hoyt DB, et al. **Surg Clin North Am** 1991 Aug;71(4):811–30 (77 ref.)

COMPLICATIONS

Tissue–plasminogen activator for pulmonary embolism resulting in shock: two case reports and discussion of the literature. Mitchell JP, et al. **Am J Med** 1991 Feb; 90(2):255–60 (55 ref.)
[Acute respiratory distress caused by distal neoplastic pulmonary emboli] Vassal T, et al. **Ann Med Interne (Paris)** 1990;141(8):657–60 (24 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Recent advances in the diagnosis and lytic therapy of pulmonary embolism. Goldhaber SZ. **Chest** 1991 Apr;99(4 Suppl):173S–179S (28 ref.)
Imaging of pulmonary embolisms. Galvin JR. **Curr Opin Radiol** 1991 Jun;3(3):380–6 (22 ref.)
Diagnosis and management of pulmonary thromboembolism. Raskob GE, et al. **Q J Med** 1990 Aug;76(280):787–97 (42 ref.)
[Pulmonary embolism] Faber T. **Ugeskr Laeger** 1991 Jul 15; 153(29):2054–8 (30 ref.) (Eng. Abstr.) **(Dan)**
[The diagnosis of pulmonary embolism] **Rev Mal Respir** 1991; 8(3):319–23 (0 ref.) **(Fre)**
[Old and new aspects in the diagnosis of pulmonary embolism] Russi EW. **Schweiz Rundsch Med Prax** 1991 Mar 26;80(13):331–4 (9 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Recent advances in the diagnosis and lytic therapy of pulmonary embolism. Goldhaber SZ. **Chest** 1991 Apr;99(4 Suppl):173S–179S (28 ref.)
Bolus, front–loaded, and accelerated thrombolytic infusions for myocardial infarction and pulmonary embolism. Levine MN. **Chest** 1991 Apr;99(4 Suppl):128S–134S (42 ref.)
Principles of thrombolysis in pulmonary embolism. Prewitt RM. **Chest** 1991 Apr;99(4 Suppl):157S–164S (17 ref.)
Thrombolysis for pulmonary embolism. Goldhaber SZ. **Prog Cardiovasc Dis** 1991 Sep–Oct;34(2):113–34 (58 ref.)

ETIOLOGY

Popliteal venous aneurysms with or without pulmonary embolism. Helsted M, et al. **Eur J Vasc Surg** 1991 Jun; 5(3):333–42 (18 ref.)
Infective endocarditis of the tricuspid valve in a non–drug user. Kido T, et al. **Jpn J Med** 1991 Mar–Apr;30(2):154–6 (7 ref.)
[Neoplastic pulmonary embolism, subacute cor pulmonale] Soares FA, et al. **Arq Bras Cardiol** 1991 Apr;56(4):317–22 (67 ref.) **(Por)**

PHYSIOPATHOLOGY

Haemodynamic monitoring. Problems, pitfalls and practical solutions. Bossaert LL, et al. **Drugs** 1991 Jun;41(6):857–74 (66 ref.)

PREVENTION & CONTROL

Prevention of deep venous thrombosis and pulmonary embolism in surgical patients. Halperin JL. **Mt Sinai J Med** 1991 Jan;58(1):28–33 (34 ref.)
[Thromboembolic disease in obstetrics. Current concepts] Grio R, et al. **Minerva Ginecol** 1990 Sep;42(9):341–4 (17 ref.) (Eng. Abstr.) **(Ita)**

SURGERY

Surgical treatment of chronic pulmonary embolism. Lyerly HK, et al. **Annu Rev Med** 1991;42:507–17 (24 ref.)

THERAPY

Tissue–plasminogen activator for pulmonary embolism resulting in shock: two case reports and discussion of the literature. Mitchell JP, et al. **Am J Med** 1991 Feb; 90(2):255–60 (55 ref.)

PULMONARY EMPHYSEMA

Cystic and bullous lung disease. Klingman RR, et al. **Ann Thorac Surg** 1991 Sep;52(3):576–80 (19 ref.)
[Para–septal emphysema] Blot F, et al. **Rev Mal Respir** 1991; 8(1):121–3 (10 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[A case of Swyer–James syndrome diagnosed at age 70] Sakai M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Jul; 28(7):994–8 (15 ref.) (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Emphysema before and after 1963. Historic perspectives. Eriksson S. **Ann N Y Acad Sci** 1991;624:1–6 (30 ref.)
Putative role of neutrophil elastase in the pathogenesis of emphysema. Snider GL, et al. **Ann N Y Acad Sci** 1991; 624:45–59 (80 ref.)
[Pulmonary emphysema and obstructive respiratory tract disease: etiology—diagnosis—prevention] Schmidt EW. **Verh Dtsch Ges Inn Med** 1990;96:51–8 (38 ref.) **(Ger)**
[New theories on the role of genetically determined alpha 1–antitrypsindeficiency in the development of pulmonary emphysema] Pilacik B, et al. **Pol Tyg Lek** 1990 Sep 17–24; 45(38–39):798–800 (21 ref.) **(Pol)**

RADIOGRAPHY

Quantifying emphysema by CT scanning. Clinicopathologic correlates. MacNee W, et al. **Ann N Y Acad Sci** 1991; 624:179–94 (56 ref.)
The radiographic diagnosis of emphysema. Sanders C. **Radiol Clin North Am** 1991 Sep;29(5):1019–30 (58 ref.)
[Diagnostic imaging of pulmonary emphysema. From radiography to high–resolution computerized tomography] Gavelli G, et al. **Radiol Med (Torino)** 1990 Nov; 80(5):679–87 (21 ref.) **(Ita)**

THERAPY

Natural history and clinical management of emphysema in patients with and without alpha 1–antitrypsin inhibitor deficiency. Turino GM. **Ann N Y Acad Sci** 1991;624:18–29 (47 ref.)

PULMONARY EOSINOPHILIA

ETIOLOGY

[Eosinophil–induced lung injury] Iwamoto I. **Kokyu To Junkan** 1991 Jun;39(6):514–21 (42 ref.) **(Jpn)**
[A case report and literature review of acute eosinophilic pneumonia] Ogawa H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1991 Jun; 29(6):746–52 (19 ref.) (Eng. Abstr.) **(Jpn)**
[Eosinophilic lesions of the lungs (case reports and review of the literature)] Trubnikov GV. **Ter Arkh** 1991; 63(3):108–14 (75 ref.) (Eng. Abstr.) **(Rus)**

PULMONARY FIBROSIS

[Bronchiolitis obliterans organizing pneumonia (BOOP). Characteristics and boundaries of an anatomo–clinical entity] Cordier JF, et al. **Rev Mal Respir** 1991;8(2):139–52 (80 ref.) (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Acute allergic interstitial pneumonitis induced by hydrochlorothiazide [published erratum appears in Can Med Assoc J 1991 Sep 1;145(5):391] Biron P, et al. **Can Med Assoc J** 1991 Jul 1;145(1):28–34 (29 ref.)
The molecular basis of interstitial pulmonary fibrosis caused by antineoplastic agents. Lazo JS, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):165–7 (20 ref.)
Perioperative considerations for patients treated with bleomycin. Waid–Jones MI, et al. **Chest** 1991 Apr; 99(4):993–9 (56 ref.)
[Pesticide–induced pulmonary fibrosis] Barthel E. **Z Gesamte Inn Med** 1990 Oct 1;45(19):587–9 (50 ref.) (Eng. Abstr.) **(Ger)**
[Drug–induced disseminated lung diseases] Meier–Sydow J, et al. **Z Gesamte Inn Med** 1990 Oct 1;45(19):589–92 (13 ref.) (Eng. Abstr.) **(Ger)**
[Drug–induced lung changes in rheumatology] Costabel U. **Z Rheumatol** 1990 Sep–Oct;49(5):284–90 (48 ref.) (Eng. Abstr.) **(Ger)**
[An autopsy case of cyclophophamide–induced interstitial pneumonia] Tanaka H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Dec; 28(12):1622–7 (11 ref.) (Eng. Abstr.) **(Jpn)**
[Busulfan lung exacerbated during steroid therapy: a review of Japanese literature] Kobayashi S, et al. **Rinsho Ketsueki** 1990 Nov;31(11):1884–8 (15 ref.) (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Lymphocytic interstitial pneumonia. Pitt J. **Pediatr Clin North Am** 1991 Feb;38(1):89–95 (27 ref.)
Pulmonary neoplastic and lymphoproliferative disease in AIDS: a review. Heitzman ER. **Radiology** 1990 Nov; 177(2):347–51 (55 ref.)

DIAGNOSIS

[Measuring compliance] Hoffarth HP. **Verh Dtsch Ges Inn Med** 1990;96:727–30 (7 ref.) **(Ger)**
[New knowledge on the diagnosis and prognosis of interstitial lung disease in scleroderma] König G, et al. **Z Rheumatol** 1990 Sep–Oct;49(5):279–83 (17 ref.) (Eng. Abstr.) **(Ger)**
[Bronchoalveolar lavage in diseases of rheumatic origin] Petermann W. **Z Rheumatol** 1990 Sep–Oct;49(5):291–3 (30 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

[Therapeutic possibilities in alveolitis and pulmonary fibrosis] Liebetrau G. **Z Gesamte Inn Med** 1990 Oct 1;45(19):592–5 (49 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Relationship of inflammatory cell cytokines to disease severity in individuals with occupational inorganic dust exposure. Rom WN. **Am J Ind Med** 1991;19(1):15–27 (50 ref.)
Potential role of proteases in pulmonary fibrosis. Selman M, et al. **Ann N Y Acad Sci** 1991;624:297–306 (31 ref.)
The relationship between fibrosis and cancer in experimental animals exposed to asbestos and other fibers. Davis JM, et al. **Environ Health Perspect** 1990 Aug;88:305–9 (27 ref.)
Dactinomycin potentiation of radiation pneumonitis: a forgotten interaction. Cohen IJ, et al. **Pediatr Hematol Oncol** 1991 Apr–Jun;8(2):187–92 (20 ref.)
Bleomycin: a pharmacologic tool in the study of the pathogenesis of interstitial pulmonary fibrosis. Lazo JS, et al. **Pharmacol Ther** 1990;47(3):347–58 (91 ref.)
[Diffuse interstitial pneumopathies caused by lentivirus (HIV–1) in humans and animals] Mornex JF, et al. **Rev Mal Respir** 1990;7(6):517–28 (93 ref.) (Eng. Abstr.) **(Fre)**
[Interstitial pulmonary involvement of polymyositis and dermatomyositis. Apropos of 3 cases. Review of the literature] Flammang d'Ortho MP, et al. **Rev Pneumol Clin** 1991;47(1):29–36 (58 ref.) (Eng. Abstr.) **(Fre)**
[The role of fibronectin in the development of fibrosis] Iaglov VV, et al. **Vestn Akad Med Nauk SSSR** 1991;(2):50–2 (18 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Recent advances in the immunology of interstitial lung disease. du Bois RM. **Clin Exp Allergy** 1991 Jan;21(1):9–16 (105 ref.)
Polymyositis, pulmonary fibrosis and autoantibodies to aminoacyl–tRNA synthetase enzymes. Marguerie C, et al. **Q J Med** 1990 Oct;77(282):1019–38 (69 ref.)

[Immunopathogenesis of sarcoidosis: current practical knowledge] Müller-Quernheim J. **Z Gesamte Inn Med** 1990 Oct 1;45(19):573–7 (54 ref.) (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Cytomegalovirus infection and interstitial pneumonia after bone marrow transplantation. Winston DJ, et al. **Cancer Treat Res** 1990;50:113–28 (73 ref.)

PATHOLOGY

[Latent alveolitis in systemic disease. The transition between the normal and the pathological] Wallaert B, et al. **Rev Mal Respir** 1990;7(1):17–25 (52 ref.) (Eng. Abstr.) **(Fre)**

[Endoscopic biopsy diagnosis of diffuse interstitial lung diseases] Ballin A. **Z Gesamte Inn Med** 1990 Oct 1; 45(19):569–72 (13 ref.) (Eng. Abstr.) **(Ger)**

[Contribution of pathology to diagnosis of fibrosing lung diseases] Dalquen P. **Z Gesamte Inn Med** 1990 Oct 1; 45(19):563–9 (58 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Pathobiology of pulmonary fibrosis. Crouch E. **Am J Physiol** 1990 Oct;259(4 Pt 1):L159–84 (325 ref.)

Fibroproliferative disorders. Bitterman PB, et al. **Chest** 1991 Mar;99(3 Suppl):81S–84S (23 ref.)

Role of transforming growth factor–beta in repair and fibrosis. Raghow R. **Chest** 1991 Mar;99(3 Suppl):61S–65S (30 ref.)

Role of the epithelium in lung repair. Witschi H. **Chest** 1991 Mar;99(3 Suppl):22S–25S (37 ref.)

The role of TGF–beta in pulmonary fibrosis. Khalil N, et al. **Ciba Found Symp** 1991;157:194–207; discussion 207–11 (44 ref.)

Mechanisms of alveolar fibrosis after acute lung injury. Marinelli WA, et al. **Clin Chest Med** 1990 Dec;11(4):657–72 (91 ref.)

Interstitial lung disease. DePaso WJ, et al. **Dis Mon** 1991 Feb;37(2):61–133 (132 ref.)

The mast cell in fibrosis. Rothe MJ, et al. **Int J Dermatol** 1991 Jan;30(1):13–6 (56 ref.)

[Is pulmonary interstitial pathology an entity?] Junod AF. **Respiration** 1990;57(3):180–6 (33 ref.) (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Intravenous immunoglobulin in bone marrow transplantation. Gale RP, et al. **Cancer** 1991 Sep 15;68(6 Suppl):1451–3 (16 ref.)

RADIOGRAPHY

Computed tomography of chronic diffuse infiltrative lung disease. Part 1. Müller NL, et al. **Am Rev Respir Dis** 1990 Nov;142(5):1206–15 (66 ref.)

High-resolution computed tomography of chronic interstitial lung disease. Müller NL, et al. **Clin Chest Med** 1991 Mar; 12(1):97–114 (69 ref.)

Computed tomography in chronic interstitial lung disease. Müller NL. **Radiol Clin North Am** 1991 Sep;29(5):1085–93 (65 ref.)

Differential diagnosis of chronic diffuse infiltrative lung disease on high-resolution computed tomography. Müller NL. **Semin Roentgenol** 1991 Apr;26(2):132–42 (35 ref.)

Acute radiation-induced pulmonary injury: computed tomography evaluation. Ikezoe J, et al. **Semin Ultrasound CT MR** 1990 Oct;11(5):409–16 (19 ref.)

Computed tomography of pulmonary bleomycin toxicity. Mills P, et al. **Semin Ultrasound CT MR** 1990 Oct; 11(5):417–22 (21 ref.)

The role of high resolution computed tomography in the diagnosis of interstitial lung disease. Hansell DM, et al. **Thorax** 1991 Feb;46(2):77–84 (29 ref.)

PULMONARY FUNCTION TESTS see **RESPIRATORY FUNCTION TESTS**

PULMONARY GAS EXCHANGE

Impact of integrative cardiopulmonary exercise testing on clinical decision making. Sue DY, et al. **Chest** 1991 Apr; 99(4):981–92 (54 ref.)

PHYSIOLOGY

Gas exchange during anaesthesia. Hedenstierna G. **Acta Anaesthesiol Scand Suppl** 1990;94:27–31 (41 ref.)

Two-compartment modelling of respiratory system mechanics at low frequencies: gas redistribution or tissue rheology? Similowski T, et al. **Eur Respir J** 1991 Mar; 4(3):353–8 (33 ref.)

Regulation of breathing at birth. Adamson SL. **J Dev Physiol** 1991 Jan;15(1):45–52 (93 ref.)

[Definition and measurement values of acute respiratory insufficiency: ventilation, gas exchange and respiratory mechanics] Pasch T, et al. **Klin Anasthesiol Intensivther** 1991;39:95–108; discussion 169–82 (29 ref.) **(Ger)**

[Blood gas analysis: principles—indications—methods—interpretation] Harnoncourt K. **Verh Dtsch Ges Inn Med** 1990;96:719–27 (9 ref.) **(Ger)**

PULMONARY HEART DISEASE

DIAGNOSIS

[Prognostic parameters for cor pulmonale in chronic obstructive respiratory tract diseases] Machraoui A, et al. **Verh Dtsch Ges Inn Med** 1990;96:413–9 (31 ref.) **(Ger)**

DRUG THERAPY

[The drug therapy of chronic cor pulmonale] Erne P. **Schweiz Rundsch Med Prax** 1991 Jul 16;80(29–30):776–82 (115 ref.) (Eng. Abstr.) **(Ger)**

[The current methods of treating cor pulmonale] Shishmarev IuN, et al. **Ter Arkh** 1990;62(9):139–45 (123 ref.) **(Rus)**

ETIOLOGY

Acute cor pulmonale secondary to metastatic tumor to the heart: a case report and literature review. Tallon JM, et al. **J Emerg Med** 1990 Nov–Dec;8(6):721–6 (30 ref.)

[Clinical aspects and therapy of pulmonary heart disease] Schött D, et al. **Verh Dtsch Ges Inn Med** 1990;96:394–7 (13 ref.) **(Ger)**

[Neoplastic pulmonary embolism, subacute cor pulmonale] Soares FA, et al. **Arq Bras Cardiol** 1991 Apr;56(4):317–22 (67 ref.) **(Por)**

[Causes and mechanisms of the development of chronic cor pulmonale in patients with tuberculosis and chronic nonspecific diseases of the lungs] Mar'iandyshev AO. **Probl Tuberk** 1991;(4):70–3 (69 ref.) **(Rus)**

PATHOLOGY

[Pathology of pulmonary heart disease] Hartung W. **Verh Dtsch Ges Inn Med** 1990;96:385–9 (17 ref.) **(Ger)**

PHYSIOPATHOLOGY

[Pulmonary hypertension and cor pulmonale caused by chronic obstructive lung disease; pathogenesis and treatment] Dees A, et al. **Ned Tijdschr Geneeskd** 1991 Jun 22;135(25):1120–4 (58 ref.) **(Dut)**

[Pathophysiologic principles of cor pulmonale] Seeger W, et al. **Verh Dtsch Ges Inn Med** 1990;96:397–413 (49 ref.) **(Ger)**

RADIOGRAPHY

[Roentgenology in pulmonary heart disease] Wiebe V. **Verh Dtsch Ges Inn Med** 1990;96:390–3 (20 ref.) **(Ger)**

THERAPY

[Therapy of cor pulmonale] Magnussen H, et al. **Verh Dtsch Ges Inn Med** 1990;96:420–1 (8 ref.) **(Ger)**

[Cardiac glycosides in the complex treatment of chronic cor pulmonale] Kazanbiev NK, et al. **Sov Med** 1990;(7):41–5 (58 ref.) **(Rus)**

PULMONARY MEDICINE see **PULMONARY DISEASE (SPECIALTY)**

PULMONARY NEOPLASMS see **LUNG NEOPLASMS**

PULMONARY NODULE, SOLITARY see **COIN LESION, PULMONARY**

PULMONARY SEQUESTRATION see **BRONCHOPULMONARY SEQUESTRATION**

PULMONARY STENOSIS see **PULMONARY VALVE STENOSIS**

PULMONARY SURFACTANT see **PULMONARY SURFACTANTS**

PULMONARY SURFACTANTS

[Anabolism of pulmonary surfactant] Huang Y, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul;21(3):251–5 (27 ref.) **(Chi)**

ADMINISTRATION & DOSAGE

Surfactant replacement therapy. Greenwald JR, et al. **N J Med** 1990 Nov;87(11 Spec No):931–7 (10 ref.)

[Surfactant to premature neonates] Jacobsen T, et al. **Ugeskr Laeger** 1991 Jul 29;153(31):2166–9 (29 ref.) (Eng. Abstr.) **(Dan)**

[Surfactant substitution in very small premature infants] Obladen M, et al. **Monatsschr Kinderheilkd** 1991 Jan; 139(1):2–15 (80 ref.) (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Synthesis and assembly of lung surfactant. Haagsman HP, et al. **Annu Rev Physiol** 1991;53:441–64 (109 ref.)

Hormonal and developmental regulation of pulmonary surfactant synthesis in fetal lung. Mendelson CR, et al. **Baillieres Clin Endocrinol Metab** 1990 Jun;4(2):351–78 (121 ref.)

Prevention and treatment of fetal lung immaturity. Cosmi EV, et al. **Fetal Ther** 1989;4 Suppl 1:52–62 (49 ref.)

DEFICIENCY

Neonatal surfactant deficiency and surfactant replacement therapy. Hallman M, et al. **Int J Technol Assess Health Care** 1991;7 Suppl 1:21–5 (17 ref.)

Preterm factors influencing surfactant deficiency. Jobe AH. **Int J Technol Assess Health Care** 1991;7 Suppl 1:16–20 (30 ref.)

GENETICS

Strategies for analysis of gene expression: pulmonary surfactant proteins. Stripp BR, et al. **Am J Physiol** 1990 Oct;259(4 Pt 1):L185–97 (133 ref.)

Function and regulation of expression of pulmonary surfactant-associated proteins. Weaver TE, et al. **Biochem J** 1991 Jan 15;273(Pt 2):249–64 (221 ref.)

Developmental and hormonal regulation of surfactant protein A (SP-A) gene expression in fetal lung. Mendelson CR, et al. **J Dev Physiol** 1991 Jan;15(1):61–9 (30 ref.)

METABOLISM

Changes in pulmonary surfactant during bacterial pneumonia. Brogden KA. **Antonie Van Leeuwenhoek** 1991 May; 59(4):215–23 (39 ref.)

The pulmonary surfactant system. Caminiti SP, et al. **Hosp Pract [Off]** 1991 Jan 15;26(1):87–90, 94–100 (10 ref.)

PHYSIOLOGY

Surfactant proteins and SP-D. Weaver TE. **Am J Respir Cell Mol Biol** 1991 Jul;5(1):4–5 (10 ref.)

Structures and properties of the surfactant-associated proteins. Hawgood S, et al. **Annu Rev Physiol** 1991; 53:375–94 (99 ref.)

Hormonal control of the surfactant system in fetal lung. Mendelson CR, et al. **Annu Rev Physiol** 1991;53:415–40 (122 ref.)

Regulation of pulmonary surfactant secretion and clearance. Wright JR, et al. **Annu Rev Physiol** 1991;53:395–414 (116 ref.)

[Recent advances in pulmonary surfactant research with special reference to surfactant apoproteins] Akino T, et al. **Kokyu To Junkan** 1990 Aug;38(8):722–35 (79 ref.) **(Jpn)**

THERAPEUTIC USE

Surfactant treatment for premature babies—a review of clinical trials. Morley CJ. **Arch Dis Child** 1991 Apr;66(4 Spec No):445–50 (37 ref.)

Neonatology in the 1990's: surfactant replacement therapy becomes a reality. Berry DD. **Clin Pediatr (Phila)** 1991 Mar;30(3):167–72 (52 ref.)

Prevention and treatment of fetal lung immaturity. Cosmi EV, et al. **Fetal Ther** 1989;4 Suppl 1:52–62 (49 ref.)

Impact of surfactant treatment on cost of neonatal intensive care: a cost–benefit analysis. Merritt TA, et al. **J Perinatol** 1990 Dec;10(4):416–9 (34 ref.)

Surfactant replacement therapy. Soll RF, et al. **Pediatr Rev** 1991 Mar;12(9):261–7 (0 ref.)

PULMONARY VALVE

ABNORMALITIES

Predicting the degree of relief of the pulmonary stenosis or atresia after the repair of tetralogy of Fallot. Kirklin JW, et al. **Semin Thorac Cardiovasc Surg** 1990 Jan;2(1):55–60 (16 ref.)

[Congenital absence of the pulmonary valve. Analysis of 7 cases] Cabrera Duro A, et al. **An Esp Pediatr** 1990 Aug; 33(2):144–8 (28 ref.) (Eng. Abstr.) **(Spa)**

PULMONARY VALVE INSUFFICIENCY

DIAGNOSIS

Isolated pulmonary valvular regurgitation: current perspectives. Ansari A. **Prog Cardiovasc Dis** 1991 Mar–Apr; 33(5):329–44 (66 ref.)

PHYSIOPATHOLOGY

[The value of recording the pulmonary insufficiency flow by continuous Doppler for the evaluation of systolic pulmonary artery pressure] Raffoul H, et al. **Arch Mal Coeur** 1990 Oct;83(11):1703–9 (25 ref.) (Eng. Abstr.) **(Fre)**

PULMONARY VALVE STENOSIS

SURGERY

Transannular outflow tract patching for tetralogy: indications and results. Kirklin JK, et al. **Semin Thorac Cardiovasc Surg** 1990 Jan;2(1):61–9 (25 ref.)

[Transluminal percutaneous pulmonary valvuloplasty. Follow up of 34 patients] Santos de Soto J, et al. **An Esp Pediatr** 1991 Mar;34(3):215–9 (27 ref.) (Eng. Abstr.) **(Spa)**

[Percutaneous transluminal pulmonary valvuloplasty. Results in 34 cases] Santos de Soto J, et al. **An Esp Pediatr** 1991 Feb;34(2):137–41 (28 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Predicting the degree of relief of the pulmonary stenosis or atresia after the repair of tetralogy of Fallot. Kirklin JW, et al. **Semin Thorac Cardiovasc Surg** 1990 Jan;2(1):55-60 (16 ref.)

[Percutaneous transvascular pulmonary valvuloplasty. Early and late results] Fischer M, et al. **Radiol Diagn (Berl)** 1990; 31(6):569-80 (23 ref.) (Eng. Abstr.) **(Ger)**

ULTRASONOGRAPHY

[Doppler echocardiography in right and left obstructive cardiopathies] Izquierdo Riezu M, et al. **An Esp Pediatr** 1991 Apr;34(4):283-7 (23 ref.) (Eng. Abstr.) **(Spa)**

PULMONARY VEINS

Brain abscess associated with congenital pulmonary arteriovenous fistula. Momma F, et al. **Surg Neurol** 1990 Dec;34(6):439-41 (6 ref.)

ABNORMALITIES

Fleischner lecture. Developmental abnormalities in the systemic blood supply to the lungs. Ellis K. **AJR Am J Roentgenol** 1991 Apr;156(4):669-79 (55 ref.)

Atresia of the common pulmonary vein. Deshpande JR, et al. **Int J Cardiol** 1991 Feb;30(2):221-6 (13 ref.)

[Pulmonary arteriovenous fistula] David V, et al. **Arch Fr Pediatr** 1991 Mar;48(3):207-9 (12 ref.) (Eng. Abstr.) **(Fre)**

[Association of cor triatriatum and obstruction of abnormal left pulmonary venous drainage. Apropos of a case] Camilleri L, et al. **Arch Mal Coeur Vaiss** 1991 Mar; 84(3):409-12 (10 ref.) (Eng. Abstr.) **(Fre)**

[A case of intrapleural rupture of pulmonary arteriovenous malformation with shock] Itaoka Y, et al. **Kokyu To Junkan** 1990 Aug;38(8):811-4 (16 ref.) (Eng. Abstr.) **(Jpn)**

[Total anomalous pulmonary venous connection associated with Klippel-Feil syndrome: a case report] Masuda H, et al. **Kyobu Geka** 1991 May;44(5):417-20 (16 ref.) (Eng. Abstr.) **(Jpn)**

PULMONOLOGY see **PULMONARY DISEASE (SPECIALTY)**

PULP CANAL see **DENTAL PULP CAVITY**

PULP CHAMBER see **DENTAL PULP CAVITY**

PULPECTOMY

[Enamel and dentinal changes in pulpitis and in pulpectomized teeth] Grechishnikov VI. **Stomatologiia (Mosk)** 1990 Jul-Aug;(4):91-3 (55 ref.) **(Rus)**

PULPITIS

PHYSIOPATHOLOGY

[Enamel and dentinal changes in pulpitis and in pulpectomized teeth] Grechishnikov VI. **Stomatologiia (Mosk)** 1990 Jul-Aug;(4):91-3 (55 ref.) **(Rus)**

PULSATILE FLOW

PHYSIOLOGY

Coupling between the left ventricle and arterial system in hypertension. O'Rourke M. **Eur Heart J** 1990 Nov;11 Suppl G:24-8 (23 ref.)

[The dynamics of pulsatile LHRH (GnRH) secretion] Rodriguez Poyo-Guerrero P, et al. **An Med Interna** 1989 Jul;6(7):376-80 (39 ref.) (Eng. Abstr.) **(Spa)**

PULSE OXIMETRY see **OXIMETRY**

PULSELESS DISEASE see **AORTIC ARCH SYNDROMES**

PUMPING, INTRA-AORTIC BALLOON see **INTRA-AORTIC BALLOON PUMPING**

PUMPS, HEART-ASSIST see **HEART-ASSIST DEVICES**

PUMPS, INFUSION see **INFUSION PUMPS**

PUNCTURE BIOPSY see **BIOPSY, NEEDLE**

PUNCTURES

METHODS

Percutaneous biliary drainage for high obstruction. Barth KH. **Radiol Clin North Am** 1990 Nov;28(6):1223-35 (43 ref.)

Percutaneous balloon dilatation of benign biliary strictures. Morrison MC, et al. **Radiol Clin North Am** 1990 Nov; 28(6):1191-201 (20 ref.)

[Interventional ultrasonography in gastroenterology has become therapeutic] Schönenberg P, et al. **Rev Med Suisse Romande** 1991 Jun;111(6):511-30 (122 ref.)

[Pericardial effusion--diagnosis and management. II. Pericardiocentesis] Stępińska J. **Kardiol Pol** 1990 Apr; 33(4):275-9 (1 ref.) **(Pol)**

PUNISHMENT

The ideology and science of punishment in mental retardation [see comments] Mulick JA. **Am J Ment Retard** 1990 Sep; 95(2):142-56; discussion 157-81 (70 ref.) Comment in: Am J Ment Retard 1990 Sep;95(2):137-41.

Terminology and behavior reduction: the case against "punishment". Skiba RJ, et al. **Except Child** 1991 Feb; 57(4):298-313 (110 ref.)

The role of the pediatrician in abolishing corporal punishment in schools. Committee on School Health, American Academy of Pediatrics. Poole SR, et al. **Pediatrics** 1991 Jul;88(1):162-7 (41 ref.)

PUPIL

The importance of pupil size in optical quality measurements following radial keratotomy. Applegate RA, et al. **Refract Corneal Surg** 1990 Jan-Feb;6(1):47-54 (33 ref.)

PUPIL, TONIC see **TONIC PUPIL**

PUPPETS see **PLAY AND PLAYTHINGS**

PURCHASING, HOSPITAL

see related
EQUIPMENT AND SUPPLIES, HOSPITAL

PURE RED CELL APLASIA see **RED CELL APLASIA, PURE**

PURGATIVES see **CATHARTICS**

PURINE NUCLEOSIDES

Purine nucleosides and nucleotides as central nervous system modulators. Adenosine as the prototypic paracrine neuroactive substance. Williams M. **Ann N Y Acad Sci** 1990; 603:93-107 (122 ref.)

PHARMACOLOGY

Metabolism and action of purine nucleoside analogs. Plunkett W, et al. **Pharmacol Ther** 1991;49(3):239-68 (277 ref.)

PURINE NUCLEOTIDES

Purine nucleosides and nucleotides as central nervous system modulators. Adenosine as the prototypic paracrine neuroactive substance. Williams M. **Ann N Y Acad Sci** 1990; 603:93-107 (122 ref.)

PURINE-PYRIMIDINE METABOLISM, INBORN ERRORS

COMPLICATIONS

[Urolithiasis in 2,8-dihydroxyadeninuria: presentation of 3 additional cases] Leusmann DB, et al. **Z Urol Nephrol** 1990 Jul;83(7):383-9 (22 ref.) (Eng. Abstr.) **(Ger)**

PURINE RECEPTORS see **RECEPTORS, PURINERGIC**

PURINERGIC RECEPTORS see **RECEPTORS, PURINERGIC**

PURINES

Dual control of local blood flow by purines. Burnstock G. **Ann N Y Acad Sci** 1990;603:31-44; discussion 44-5 (140 ref.)

ANTAGONISTS & INHIBITORS

Potent inhibitors of de novo pyrimidine and purine biosynthesis as chemotherapeutic agents [published erratum appears in Med Res Rev 1991 Mar;11(2):237] Christopherson RI, et al. **Med Res Rev** 1990 Oct-Dec; 10(4):505-48 (170 ref.)

5,10-Dideaza-5,6,7,8-tetrahydrofolic acid (DDATHF): a potent inhibitor of purine biosynthesis. **Nutr Rev** 1990 Nov; 48(11):421-3 (4 ref.)

METABOLISM

The high performance liquid chromatography of enzyme systems relating to purine and pyrimidine metabolism: an overview. Perrett D, et al. **Biomed Chromatogr** 1990 Nov; 4(6):267-72 (26 ref.)

Purines and pyrimidines in malarial parasites. Gero AM, et al. **Blood Cells** 1990;16(2-3):467-84; discussion 485-98 (75 ref.)

Urinary calculi associated with purine metabolism. Uric acid nephrolithiasis. Williams-Larson AW. **Endocrinol Metab Clin North Am** 1990 Dec;19(4):821-38 (102 ref.)

PHARMACOLOGY

Properties of purine and pyrimidine analogs. Hitchings GH. **Adv Enzyme Regul** 1991;31:433-43 (36 ref.)

Computer-assisted structure--antileukemic activity analysis of purines and their aza and deaza analogs. Narayanan VL, et al. **Prog Drug Res** 1990;34:319-41 (64 ref.)

Cyclobutyl compounds as antiviral agents. Clement JJ, et al. **Transplant Proc** 1991 Jun;23(3 Suppl 3):159-61 (7 ref.)

THERAPEUTIC USE

Therapeutic potential of phosphonylmethoxyalkylpurines and -pyrimidines as antiviral agents. De Clercq E. **Drugs Exp Clin Res** 1990;16(7):319-26 (27 ref.)

Purine analogs as chemotherapeutic agents in leishmaniasis and American trypanosomiasis. Marr JJ. **J Lab Clin Med** 1991 Aug;118(2):111-9 (36 ref.)

PURKINJE CELLS

CYTOLOGY

Cerebellar development: afferent organization and Purkinje cell heterogeneity. Sotelo C, et al. **Philos Trans R Soc Lond [Biol]** 1991 Mar 29; 331(1261):307-13 (43 ref.)

PHYSIOLOGY

Identification of the Purkinje cell/climbing fiber zone and its target neurons responsible for eye-movement control by the cerebellar flocculus. Sato Y, et al. **Brain Res Brain Res Rev** 1991 Jan-Apr;16(1):39-64 (164 ref.)

Development of the rodent cerebellum and synaptic re-formation of donor climbing terminals on spines of the host Purkinje dendrites after chemical deafferentation. Kawamura K, et al. **J Exp Biol** 1990 Oct;153:289-303 (34 ref.)

Excitatory amino acid receptors of cerebellar Purkinje cells: development and plasticity. Crepel F, et al. **Prog Biophys Mol Biol** 1991;55(1):31-46 (93 ref.)

Cooperative functions of vestibular nuclei neurons and floccular Purkinje cells in the control of nystagmus slow phase velocity: single cell recordings and lesion studies in the monkey. Waespe W, et al. **Rev Oculomot Res** 1985; 1:233-50 (0 ref.)

PURPLE MEMBRANE see **BACTERIORHODOPSIN**

PURPURA

Infantile acute hemorrhagic edema of the skin: study of ten cases. Legrain V, et al. **J Am Acad Dermatol** 1991 Jan; 24(1):17-22 (35 ref.)

Acquired purpura fulminans. Francis RB Jr. **Semin Thromb Hemost** 1990 Oct;16(4):310-25 (90 ref.)

CLASSIFICATION

Proposed classification and pathologic mechanisms of purpura fulminans and skin necrosis. Adcock DM, et al. **Semin Thromb Hemost** 1990 Oct;16(4):333-40 (44 ref.)

COMPLICATIONS

Psychogenic purpura (autoerythrocyte sensitization): an unsolved dilemma. Ratnoff OD. **Am J Med** 1989 Sep; 87(3N):16N-21N (48 ref.)

GENETICS

Neonatal purpura fulminans due to homozygous protein C or protein S deficiencies. Marlar RA, et al. **Semin Thromb Hemost** 1990 Oct;16(4):299-309 (88 ref.)

PATHOLOGY

Follicular accentuation of leukocytoclastic vasculitis in an HIV-seropositive man. Report of a case and review of the literature. Weimer CE Jr, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 2):898-902 (37 ref.)

Dermatopathology of skin necrosis associated with purpura fulminans. Adcock DM, et al. **Semin Thromb Hemost** 1990 Oct;16(4):283-92 (81 ref.)

PURPURA, HYPERGLOBULINEMIC

DIAGNOSIS

Hypergammaglobulinemic purpura of Waldenström. Finder KA, et al. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 1):669-76 (50 ref.)

PURPURA, SCHOENLEIN-HENOCH

[Schönlein-Henoch syndrome] Lindberg AW. **Ugeskr Laeger** 1991 Jul 29;153(31):2162-5 (30 ref.) (Eng. Abstr.) **(Dan)**

COMPLICATIONS

[Rheumatoid purpura and Berger's disease in the same patient. 2 cases] Cotton JB, et al. **Pediatrie** 1991;46(4):333-5 (15 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Henoch-Schönlein syndrome and IgA nephropathy: a case report suggesting a common pathogenesis. Hughes FJ, et al. **Pediatr Nephrol** 1988 Oct;2(4):389–92 (40 ref.)
[Risk factors in systemic vasculitis] Shilkina NP, et al. **Klin Med (Mosk)** 1990 Jul;68(7):20–5 (62 ref.) **(Rus)**

IMMUNOLOGY

The rheumatic poison: a survey of some published investigations of the immunopathogenesis of Henoch-Schönlein purpura. Knight JF. **Pediatr Nephrol** 1990 Sep;4(5):533–41 (117 ref.)

PURPURA, THROMBOCYTOPENIC

Autoimmune thrombocytopenic purpura in pregnancy. Moise KJ Jr. **Clin Obstet Gynecol** 1991 Mar;34(1):51–63 (61 ref.)

BLOOD

[Ultrastructural changes in thrombocytes of patients with idiopathic thrombocytopenic purpura during the treatment with vincristine] Vashkinel VK, et al. **Gematol Transfuziol** 1991 Apr;36(4):15–9 (36 ref.) (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Pathogenesis and treatment of HIV-related immune thrombocytopenia. Stricker RB. **AIDS Clin Rev** 1990; :95–114 (95 ref.)
Use of intravenous immunoglobulin in various medical conditions. A Japanese experience. Abe T, et al. **Cancer** 1991 Sep 15;68(6 Suppl):1454–9 (13 ref.)
HIV-related thrombocytopenia. Oksenhendler E, et al. **Immunodefic Rev** 1990;2(3):221–31 (47 ref.)
The persistent lymphadenopathy syndrome and immune thrombocytopenic purpura in HIV-infected individuals. Abrams DI. **Immunol Ser** 1989;44:323–43 (58 ref.)
Immune thrombocytopenia and May-Hegglin anomaly during pregnancy. Siddiqui T, et al. **J Fla Med Assoc** 1991 Feb;78(2):88–92 (29 ref.)
[Association of Basedow's disease and autoimmune thrombopenic purpura. No effect of hyperthyroidism on antiplatelet autoimmunity] Vergès B, et al. **Rev Med Interne** 1989 Nov-Dec;10(6):565–9 (24 ref.) (Eng. Abstr.) **(Fre)**
[A case of chronic subdural hematoma associated with idiopathic thrombocytopenic purpura (ITP)] Sebe A, et al. **No Shinkei Geka** 1990 Aug;18(8):761–5 (16 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

[Immunologic thrombocytopenic purpura and pregnancy (the experience with 10 cases)] Mendoza Meixueiro F, et al. **Ginecol Obstet Mex** 1987 Jan;55:16–8 (21 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Current concepts in the treatment of immune thrombocytopenia. Warkentin TE, et al. **Drugs** 1990 Oct; 40(4):531–42 (103 ref.)
Danazol in non-splenectomized patients with refractory idiopathic thrombocytopenic purpura. Edelmann DZ, et al. **Postgrad Med J** 1990 Oct;66(780):827–30 (17 ref.)
[Treatment of idiopathic thrombocytopenic purpura with Chinese herbal drugs] Li YC. **Chung Hsi I Chieh Ho Tsa Chih** 1991 Jun;11(6):380–1 (18 ref.) **(Chi)**

ETIOLOGY

Evans' syndrome associated with gastric plasmacytoma: case report and a review of the literature. Yonekura S, et al. **Jpn J Med** 1990 Sep-Oct;29(5):512–5 (10 ref.)

THERAPY

Immune thrombocytopenic purpura and intravenous immunoglobulin. Imbach P. **Cancer** 1991 Sep 15;68(6 Suppl):1422–5 (29 ref.)
Plasma exchange in idiopathic thrombocytopenic purpura. Williams C, et al. **Curr Stud Hematol Blood Transfus** 1990; (57):131–51 (58 ref.)
[Therapy of immune thrombopenia] Egli F. **Schweiz Med Wochenschr** 1991 Jun 8;121(23):851–7 (27 ref.) (Eng. Abstr.) **(Ger)**
[Intravascular platelet transfusion in utero for the treatment of immunologic thrombocytopenic purpura: a case report] Takagi T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1991 Mar;43(3):357–60 (13 ref.) **(Jpn)**

PURPURA, THROMBOPENIC see **PURPURA, THROMBOCYTOPENIC**

PURPURA, THROMBOTIC THROMBOCYTOPENIC

Thrombotic thrombocytopenic purpura and hemolytic uremic syndrome in pregnancy. Miller JM Jr, et al. **Clin Obstet Gynecol** 1991 Mar;34(1):64–71 (71 ref.)

BLOOD

Recent observations on the pathophysiology of thrombotic thrombocytopenic purpura and the hemolytic-uremic syndrome. Moake JL. **Hematol Pathol** 1990;4(4):197–201 (32 ref.)

DRUG THERAPY

Intravenous prostacyclin in thrombotic thrombocytopenic purpura: case report and review of the literature. Tardy B, et al. **J Intern Med** 1991 Sep;230(3):279–82 (18 ref.)
Thrombotic thrombocytopenic purpura treated with high-dose intravenous gamma globulin. Heyman MR, et al. **South Med J** 1990 Dec;83(12):1471–4 (21 ref.)

ETIOLOGY

[Recurrent thrombocytopenic thrombotic purpura associated to prostatic cancer. A case] Cherin P, et al. **Presse Med** 1991 Jun 15;20(23):1073–7 (25 ref.) (Eng. Abstr.) **(Fre)**
[Thrombotic thrombocytopenic purpura in HIV infection. 3 cases] Doco-Lecompte T, et al. **Presse Med** 1991 Jun 29;20(25):1159–62 (15 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

von Willebrand factor and animal models: contributions to gene therapy, thrombotic thrombocytopenic purpura, and coronary artery thrombosis. Brinkhous KM, et al. **Mayo Clin Proc** 1991 Jul;66(7):733–42 (30 ref.)

RADIOGRAPHY

Prognostic significance of computed tomography of the brain in thrombotic thrombocytopenic purpura. Kay AC, et al. **Mayo Clin Proc** 1991 Jun;66(6):602–7 (11 ref.)

THERAPY

Should intravenous immunoglobulin G be first-line treatment for acute thrombotic thrombocytopenic purpura? Case report and review of the literature. Raniele DP, et al. **Am J Kidney Dis** 1991 Aug;18(2):264–8 (25 ref.)
Plasma exchange in thrombotic thrombocytopenic purpura. Corvetta A, et al. **Curr Stud Hematol Blood Transfus** 1990; (57):114–30 (69 ref.)

PURPURA, THROMBOTIC THROMBOPENIC see **PURPURA, THROMBOTIC THROMBOCYTOPENIC**

PURSUIT, SACCADIC see **SACCADES**

PURSUIT, SMOOTH

PHYSIOLOGY

Cerebral hemispheric smooth pursuit disorders. Sharpe JA, et al. **Acta Neurol Belg** 1991;91(2):81–96 (72 ref.)
Smooth pursuit: anatomy, physiology and disorders. Sharpe JA, et al. **Bull Soc Belge Ophtalmol** 1989;237:113–44 (145 ref.)
Integration of adaptive changes of the optokinetic reflex, pursuit and the vestibulo-ocular reflex. Collewijn H. **Rev Oculomot Res** 1985;1:51–69 (0 ref.)

PUS see **SUPPURATION**

PUSTULANTS see **IRRITANTS**

PUSTULAR DERMATOSIS, SUBCORNEAL see **SKIN DISEASES, VESICULOBULLOUS**

PUSTULAR PSORIASIS OF PALMS AND SOLES see **PSORIASIS**

PUSTULOSIS OF PALMS AND SOLES see **PSORIASIS**

PUSTULOSIS PALMARIS ET PLANTARIS see **PSORIASIS**

PUTAMEN

PHYSIOLOGY

Nerve growth factor and the neostriatum. Altar CA. **Prog Neuropsychopharmacol Biol Psychiatry** 1991; 15(2):157–69 (72 ref.)

PUVA THERAPY

[Prolongation of transplantation survival time by a PUVA treatment. Experimental and clinical results] Gruner S, et al. **Z Exp Chir Transplant Kunstliche Organe** 1990; 23(1):32–4 (13 ref.) (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

PUVA-induced itching and skin pain. Roelandts R, et al. **Photodermatol Photoimmunol Photomed** 1990 Aug; 7(4):141–2 (11 ref.)
[Puva therapy and carcinogenesis] Thomas P, et al. **Ann Dermatol Venereol** 1991;118(6-7):503–6 (27 ref.) **(Fre)**

PX GENES see **GENES, PX**

PYELITIS

DIAGNOSIS

[Emphysematous pyelitis and pyelonephritis: unrecognized clinical entities] Mainil-Varlet P, et al. **Rev Med Brux** 1990 Sep;11(7):251–6, 259 (27 ref.) (Eng. Abstr.) **(Fre)**

PYELOCYSTITIS

DIAGNOSIS

[Pyeloureteritis cystica diagnosed by using a ureteroscope: a case report] Hashimoto S, et al. **Hinyokika Kiyo** 1991 Apr;37(4):385–7 (11 ref.) (Eng. Abstr.) **(Jpn)**

PYELOGRAPHY see **UROGRAPHY**

PYELONEPHRITIS

see related
KIDNEY FAILURE, CHRONIC

Etiology and pathophysiology of pyelonephritis. Roberts JA. **Am J Kidney Dis** 1991 Jan;17(1):1–9 (89 ref.)

COMPLICATIONS

[Emphysematous pyelonephritis in a diabetic patient. Literature review apropos of a case] Picron B, et al. **Acta Clin Belg** 1991;46(2):94–9 (18 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Emphysematous pyelitis and pyelonephritis: unrecognized clinical entities] Mainil-Varlet P, et al. **Rev Med Brux** 1990 Sep;11(7):251–6, 259 (27 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Natural history of "lower" urinary tract infections. Kunin CM. **Infection** 1990;18 Suppl 2:S44–9 (35 ref.)
[Inflammatory kidney diseases: glomerulonephritis, interstitial and pyelonephritis] Schütterle G. **Verh Dtsch Ges Inn Med** 1990;96:77–85 (76 ref.) **(Ger)**
[Reflux—nephropathy in children] Paunova SS. **Pediatriia** 1991;(4):101–5 (88 ref.) **(Rus)**

IMMUNOLOGY

[The immune status of patients with chronic calculous pyelonephritis and the possibilities for the correction of its disorders] Lozinskiĭ MV, et al. **Urol Nefrol (Mosk)** 1991 May-Jun;(3):70–5 (110 ref.) **(Rus)**

MICROBIOLOGY

[Emphysematous pyelonephritis. Apropos of a case] Ferrière X, et al. **Ann Urol (Paris)** 1990;24(4):326–7 (3 ref.) (Eng. Abstr.) **(Fre)**
[Persistent virus and chlamydia infections in the development of pyelonephritis in children] Sokha LG. **Pediatriia** 1991; (4):97–100 (75 ref.) **(Rus)**

THERAPY

Bilateral emphysematous pyelonephritis. Lowe BA, et al. **Urology** 1991 Mar;37(3):229–32 (15 ref.)

PYELONEPHRITIS, ACUTE NECROTIZING see **KIDNEY PAPILLARY NECROSIS**

PYELONEPHRITIS, XANTHOGRANULOMATOUS

DIAGNOSIS

[Xanthogranulomatous pyelonephritis. Retrospective study] Paez Borda A, et al. **Arch Esp Urol** 1990 Oct;43(8):843–9 (35 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Xanthogranulomatous pyelonephritis. Apropos of 42 cases] Mhiri MN, et al. **Ann Urol (Paris)** 1991;25(3):113–7 (41 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Xanthogranulomatous pyelonephritis in an infant. Rafal RB, et al. **Urology** 1991 Jun;37(6):553–6 (11 ref.)

SURGERY

[Xanthogranulomatous pyelonephritis in infancy and childhood. Report of two cases] Bertolotti A, et al. **An Esp Pediatr** 1990 Dec;33(6):563–5 (23 ref.) (Eng. Abstr.) **(Spa)**

PYGATHRIX see **CERCOPITHECIDAE**

PYKNOLEPSY see **EPILEPSY, PETIT MAL**

PYLORIC ANTRUM

BLOOD SUPPLY

Watermelon stomach. Park RH, et al. **Br J Surg** 1991 Apr; 78(4):395–6 (24 ref.)

PHYSIOLOGY

[Pyloric sphincter and its role in the regulation of digestive processes] Tutchenko NI, et al. **Klin Khir** 1990;(8):47–50 (54 ref.) **(Rus)**

SURGERY

Parietal cell vagotomy and selective vagotomy plus antrectomy in the treatment of duodenal ulcer. A follow-up of 10 years. Zou ZS, et al. **Chin Med J (Engl)** 1991 Feb; 104(2):103–8 (15 ref.)

PYLORIC STENOSIS

ETIOLOGY

The Bouveret syndrome: an unusual cause of hematemesis. Salah-Eldin AA, et al. **Henry Ford Hosp Med J** 1990; 38(1):52–4 (20 ref.)

PYLORUS

see related
GASTRIC EMPTYING

PYODERMA

PATHOLOGY

Cutaneous vasculitis, hypersensitivity vasculitis, erythema nodosum, and pyoderma gangrenosum. Calabrese LH. **Curr Opin Rheumatol** 1990 Feb;2(1):66–9 (10 ref.)

Cutaneous vasculitis, hypersensitivity vasculitis, erythema nodosum, and pyoderma gangrenosum. Calabrese LH. **Curr Opin Rheumatol** 1991 Feb;3(1):23–7 (18 ref.)

[Parastomal pyoderma gangrenosum. 3 new cases] Hill MP, et al. **Ann Dermatol Venereol** 1991;118(2):121–3 (10 ref.) **(Fre)**

VETERINARY

Strategies for management of recurrent pyoderma in dogs. DeBoer DJ. **Vet Clin North Am Small Anim Pract** 1990 Nov;20(6):1509–24 (28 ref.)

PYONEPHROSIS see **PYELONEPHRITIS**

PYORRHEA ALVEOLARIS see **PERIODONTAL DISEASES**

PYOTHORAX see **EMPYEMA**

PYRAMIDAL TRACTS

[Pallido-pyramidal syndrome: an unrecognized entity] Tranchant C, et al. **Rev Neurol (Paris)** 1991;147(4):308–10 (5 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Neural mechanisms underlying corticospinal and rubrospinal control of limb movements. Cheney PD, et al. **Prog Brain Res** 1991;87:213–52 (99 ref.)

PYRANS

CHEMICAL SYNTHESIS

[Stereoselective synthesis of macrolide and polyether antibiotics] Yonemitsu O. **Yakugaku Zasshi** 1990 Aug; 110(8):523–46 (49 ref.) (Eng. Abstr.) **(Jpn)**

PYRAZINAMIDE

ADMINISTRATION & DOSAGE

[Pharmacokinetic aspects of tuberculosis therapy with a fixed combination of rifampicin, isoniazide and pyrazinamide] Schaberg T, et al. **Z Gesamte Inn Med** 1991 Jun;46(8):276–9 (17 ref.) (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

The use of blood flow modifiers to improve the treatment response of solid tumors. Horsman MR, et al. **Radiother Oncol** 1991;20 Suppl 1:47–52 (33 ref.)

PYRAZINES

METABOLISM

Speculating about pyrazines. Woolfson A, et al. **Proc R Soc Lond [Biol]** 1990 Nov 22;242(1304):113–9 (54 ref.)

PYRAZINOPYRIMIDINES see **PTERIDINES**

PYRENES

PHARMACOLOGY

Photosensitization of cultured cells and viruses by pyrene lipids. Gatt S, et al. **Indian J Biochem Biophys** 1990 Dec; 27(6):359–62 (23 ref.)

[Evaluation of the inducing and autoinducing properties of pyrene, fluoranthene and benz(a)anthracene] Brandys J, et al. **Folia Med Cracov** 1990;31(3):157–63 (18 ref.) (Eng. Abstr.) **(Pol)**

PYRETHRINS

Neurotoxicology of pyrethrin and the pyrethroid insecticides. Dorman DC, et al. **Vet Hum Toxicol** 1991 Jun;33(3):238–43 (48 ref.)

THERAPEUTIC USE

[Pyrethrin and pyrethroid (permethrin) in the treatment of scabies and pediculosis] Haustein UF. **Hautarzt** 1991 Jan; 42(1):9–15 (60 ref.) (Eng. Abstr.) **(Ger)**

TOXICITY

DDT and pyrethroids--ecotoxicological considerations. Eriksson P. **Comp Biochem Physiol [C]** 1991; 100(1–2):269–70 (22 ref.)

An assessment of the toxicological properties of pyrethroids and their neurotoxicity. Aldridge WN. **Crit Rev Toxicol** 1990;21(2):89–104 (64 ref.)

Neurotoxicological effects and the mode of action of pyrethroid insecticides. Vijverberg HP, et al. **Crit Rev Toxicol** 1990;21(2):105–26 (195 ref.)

Mechanisms of toxic action and structure-activity relationships for organochlorine and synthetic pyrethroid insecticides. Coats JR. **Environ Health Perspect** 1990 Jul; 87:255–62 (57 ref.)

PYREXIA see **FEVER**

PYRIDAZINES

PHARMACOLOGY

New mechanisms for positive inotropic agents: focus on the discovery and development of imazodan. Weishaar RE, et al. **Cardiovasc Drugs Ther** 1989 Mar;3(1):29–42 (90 ref.)

Cilazapril. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in cardiovascular disease. Deget F, et al. **Drugs** 1991 May; 41(5):799–820 (115 ref.)

Clinical pharmacology of cilazapril. Kleinbloesem CH, et al. **Drugs** 1991;41 Suppl 1:3–10 (23 ref.)

Cadralazine. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in the treatment of hypertension. McTavish D, et al. **Drugs** 1990 Oct;40(4):543–60 (57 ref.)

Cilazapril. A review. Szucs T. **Drugs** 1991;41 Suppl 1:18–24 (16 ref.)

Pharmacologically active pyridazine derivatives. Part 1. Heinisch G, et al. **Prog Med Chem** 1990;27:1–49 (387 ref.)

PYRIDINES

CHEMICAL SYNTHESIS

Imidazopyridines: towards novel hypnotic and anxiolytic drugs. George P, et al. **Farmaco** 1991 Jan;46(1 Suppl):277–88 (23 ref.)

METABOLISM

Zolpidem and alpidem: two imidazopyridines with selectivity for omega 1- and omega 3-receptor subtypes. Langer SZ, et al. **Adv Biochem Psychopharmacol** 1990;46:61–72 (27 ref.)

PHARMACOKINETICS

[The microbiological transformation and degradation of pyridine and alkyl pyridines] Dovgilevich EV. **Biol Nauki** 1990;(8):5–19 (49 ref.) (Eng. Abstr.) **(Rus)**

PHARMACOLOGY

New orally effective iron chelators. Animal studies. Hershko C, et al. **Ann N Y Acad Sci** 1990;612:351–60 (38 ref.)

The interaction of monoamine oxidases with tertiary amines. Singer TP, et al. **Biochem Soc Trans** 1991 Feb;19(1):211–5 (19 ref.)

Pharmacology of the calcium antagonist isradipine. Rüegg UT, et al. **Drugs** 1990;40 Suppl 2:3–9 (14 ref.)

THERAPEUTIC USE

Calcium antagonists in experimental atherosclerosis. Use-dependence of isradipine: a potential explanation for enhanced action in atherosclerotic animals and tissue selectivity. Hof RP, et al. **Am J Hypertens** 1991 Feb;4(2 Pt 2):107S–113S (81 ref.)

The place of isradipine in the treatment of hypertension. Man in't Veld AJ. **Am J Hypertens** 1991 Feb;4(2 Pt 2):96S–102S (32 ref.)

Isradipine: overall clinical experience in hypertension in the United States. Miller H. **Am J Hypertens** 1991 Feb;4(2 Pt 2):135S–139S (7 ref.)

Design, properties, and effective use of the oral chelator L1 and other alpha-ketohydroxypyridines in the treatment of transfusional iron overload in thalassemia. Kontoghiorghes GJ. **Ann N Y Acad Sci** 1990;612:339–50 (42 ref.)

Isradipine in the treatment of hypertension: a clinical profile. Vidt DG. **Cleve Clin J Med** 1990 Nov–Dec;57(8):677–84 (44 ref.)

Isradipine in hypertension. Hansson L. **Drugs** 1990;40 Suppl 2:10–4 (27 ref.)

Zolpidem. A review of its pharmacodynamic and pharmacokinetic properties and therapeutic potential. Langtry HD, et al. **Drugs** 1990 Aug;40(2):291–313 (79 ref.)

Experimental studies with isradipine in stroke. Sauter A, et al. **Drugs** 1990;40 Suppl 2:44–51 (25 ref.)

Isradipine. Schachter M. **J Clin Pharm Ther** 1991 Apr; 16(2):79–91 (75 ref.)

PYRIDINONES see **PYRIDONES**

PYRIDONES

CHEMISTRY

The development of hydroxypyridin-4-ones as orally active iron chelators. Hider RC, et al. **Ann N Y Acad Sci** 1990; 612:327–38 (28 ref.)

PHARMACOLOGY

Cardiovascular effects of milrinone. Colucci WS. **Am Heart J** 1991 Jun;121(6 (Pt 2)):1945–7 (8 ref.)

Pharmacology of bipyridine phosphodiesterase III inhibitors. Honerjäger P. **Am Heart J** 1991 Jun;121(6 (Pt 2)):1939–44 (69 ref.)

Does intravenous milrinone have a direct effect on diastolic function? Krams R, et al. **Am Heart J** 1991 Jun;121(6 (Pt 2)):1951–5 (10 ref.)

THERAPEUTIC USE

Design, properties, and effective use of the oral chelator L1 and other alpha-ketohydroxypyridines in the treatment of transfusional iron overload in thalassemia. Kontoghiorghes GJ. **Ann N Y Acad Sci** 1990;612:339–50 (42 ref.)

PYRIDOXAL

ANALOGS & DERIVATIVES

Pyridoxal isonicotinoyl hydrazone. Effective iron chelation after oral administration. Brittenham GM. **Ann N Y Acad Sci** 1990;612:315–26 (49 ref.)

PYRIDOXAL PHOSPHATE

BLOOD

Abnormal vitamin B6 status in childhood leukemia. Pais RC, et al. **Cancer** 1990 Dec 1;66(11):2421–8 (54 ref.)

PYRIDOXINE

ADMINISTRATION & DOSAGE

Abnormal vitamin B6 status in childhood leukemia. Pais RC, et al. **Cancer** 1990 Dec 1;66(11):2421–8 (54 ref.)

ANALYSIS

Vitamin B-6: a status report. Leklem JE. **J Nutr** 1990 Nov; 120 Suppl 11:1503–7 (20 ref.)

THERAPEUTIC USE

Niacin and vitamin B6 in mental functioning: a review of controlled trials in humans. Kleijnen J, et al. **Biol Psychiatry** 1991 May 1;29(9):931–41 (61 ref.)

PYRIDOXINE DEFICIENCY

see related
ANEMIA, SIDEROBLASTIC

PYRIMIDINE NUCLEOSIDES

METABOLISM

Metabolism of pyrimidine analogues and their nucleosides. Daher GC, et al. **Pharmacol Ther** 1990;48(2):189–222 (310 ref.)

PYRIMIDINE 5'-NUCLEOTIDASE see **5'-NUCLEOTIDASE**

PYRIMIDINES

ANTAGONISTS & INHIBITORS

Potent inhibitors of de novo pyrimidine and purine biosynthesis as chemotherapeutic agents [published erratum appears in Med Res Rev 1991 Mar;11(2):237] Christopherson RI, et al. **Med Res Rev** 1990 Oct–Dec; 10(4):505–48 (170 ref.)

PYRIMIDINES

METABOLISM

Regulation of de novo and salvage pathways in chemotherapy. Weber G, et al. **Adv Enzyme Regul** 1991; 31:45–67 (37 ref.)

The high performance liquid chromatography of enzyme systems relating to purine and pyrimidine metabolism: an overview. Perrett D, et al. **Biomed Chromatogr** 1990 Nov; 4(6):267–72 (26 ref.)

Purines and pyrimidines in malarial parasites. Gero AM, et al. **Blood Cells** 1990;16(2–3):467–84; discussion 485–98 (75 ref.)

Metabolism of pyrimidine analogues and their nucleosides. Daher GC, et al. **Pharmacol Ther** 1990;48(2):189–222 (310 ref.)

[Fluorine-19 nuclear magnetic resonance spectroscopy: a privileged tool for the study of the metabolism and pharmacokinetics of fluoropyrimidines] Malet-Martino MC, et al. **Bull Cancer (Paris)** 1990;77(12):1223–44 (54 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOLOGY

Properties of purine and pyrimidine analogs. Hitchings GH. **Adv Enzyme Regul** 1991;31:433–43 (36 ref.)

Ipsapirone: a novel anxiolytic and selective 5-HT1A receptor ligand. Fanelli RJ, et al. **Prog Clin Biol Res** 1990;361:461–7 (28 ref.)

Pharmacology of the serotonergic anxiolytic tandospirone (SM-3997). Seymour PA, et al. **Prog Clin Biol Res** 1990; 361:453–60 (9 ref.)

Gepirone hydrochloride: preclinical pharmacology and recent clinical findings. Yevich JP, et al. **Prog Clin Biol Res** 1990;361:443–51 (7 ref.)

Fluorinated pyrimidines: a new change for old drugs. King DH. **Transplant Proc** 1991 Jun;23(3 Suppl 3):168–70 (14 ref.)

[Pyrimidine derivatives: their psychotropic properties and the molecular mechanisms of their central action] Karkishchenko NN, et al. **Farmakol Toksikol** 1990 Jul–Aug; 53(4):67–72 (54 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Therapeutic potential of phosphonylmethoxyalkylpurines and -pyrimidines as antiviral agents. De Clercq E. **Drugs Exp Clin Res** 1990;16(7):319–26 (27 ref.)

Developments of the fluoropyrimidines as inhibitors of thymidylate synthetase: pharmacologic and clinical aspects. Machover D. **J Surg Oncol Suppl** 1991;2:42–50 (72 ref.)

PYRIMIDINONES

PHARMACOLOGY

The use of diacylglycerol kinase inhibitors for elucidating the roles of protein kinase C. de Chaffoy de Courcelles D. **Adv Second Messenger Phosphoprotein Res** 1990; 24:491–6 (50 ref.)

PYRIMIDONES see **PYRIMIDINONES**

PYROCATECHOLS see **CATECHOLS**

PYROPHOSPHATES

ADVERSE EFFECTS

The effects of tartar-control toothpaste on the oral soft tissues. Kowitz G, et al. **Oral Surg Oral Med Oral Pathol** 1990 Oct;70(4):529–36 (30 ref.)

METABOLISM

Hypophosphatasia and the extracellular metabolism of inorganic pyrophosphate: clinical and laboratory aspects. Caswell AM, et al. **Crit Rev Clin Lab Sci** 1991; 28(3):175–232 (361 ref.)

PYROSIS see **HEARTBURN**

PYRROLES

CHEMISTRY

Tetrapyrrole assembly and modification into the ligands of biologically functional cofactors. Warren MJ, et al. **Trends Biochem Sci** 1990 Dec;15(12):486–91 (30 ref.)

PHARMACOLOGY

Kinetic properties of the angiotensin converting enzyme inhibitor ramiprilat. Bünning P. **J Cardiovasc Pharmacol** 1987;10 Suppl 7:S31–5 (18 ref.)

PYRROLIDINES

PHARMACOLOGY

The discovery and biologic properties of cephalosporin-based inhibitors of PMN elastase. Davies P, et al. **Ann N Y Acad Sci** 1991;624:219–29 (55 ref.)

PYRROLIZIDINE ALKALOIDS

ANALYSIS

Pyrrolizidine alkaloids in milk: thresholds of intoxication. Molyneux RJ, et al. **Vet Hum Toxicol** 1990;32 Suppl:94–103 (54 ref.)

CHEMISTRY

Pyrrolizidine alkaloids [published erratum appears in Nat Prod Rep 1991 Apr;8(2):211] Robins DJ. **Nat Prod Rep** 1990 Oct;7(5):377–86 (86 ref.)

TOXICITY

Sulfur conjugates as putative pneumotoxic metabolites of the pyrrolizidine alkaloid, monocrotaline. Huxtable RJ, et al. **Adv Exp Med Biol** 1991;283:605–12 (19 ref.)

Lung vascular injury from monocrotaline pyrrole, a putative hepatic metabolite. Roth RA, et al. **Adv Exp Med Biol** 1991; 283:477–87 (66 ref.)

Toxicity of comfrey. Winship KA. **Adverse Drug React Toxicol Rev** 1991 Spring;10(1):47–59 (57 ref.)

Activation and pulmonary toxicity of pyrrolizidine alkaloids. Huxtable RJ. **Pharmacol Ther** 1990;47(3):371–89 (160 ref.)

PYRUVALDEHYDE

ADVERSE EFFECTS

Methylglyoxal. **IARC Monogr Eval Carcinog Risks Hum** 1991;51:443–58 (60 ref.)

PYRUVATE DEHYDROGENASE COMPLEX

Molecular biology and biochemistry of pyruvate dehydrogenase complexes. Patel MS, et al. **FASEB J** 1990 Nov;4(14):3224–33 (74 ref.)

IMMUNOLOGY

Pyruvate dehydrogenase as an antigen to detect antimitochondrial antibodies. Zurgil N, et al. **Isr J Med Sci** 1990 Dec;26(12):682–5 (18 ref.)

PYRUVATE KINASE

BLOOD

[Erythrocyte enzymes, structure and function] Kwiatkowska J. **Postepy Biochem** 1989;35(4):575–84 (32 ref.) **(Pol)**

DEFICIENCY

Hemochromatosis and pyruvate kinase deficiency. Report of a case and review of the literature. De Braekeleer M, et al. **Ann Hematol** 1991 May;62(5):188–9 (11 ref.)

GENETICS

Positive and negative regulation of gene expression by insulin and glucagon: the model of L-type pyruvate kinase gene. Raymondjean M, et al. **Biochimie** 1991 Jan;73(1):41–5 (20 ref.)

[Diagnosis of genetically determined diseases] Jacobasch G, et al. **Z Med Lab Diagn** 1991;32(3–4):134–40 (11 ref.) (Eng. Abstr.) **(Ger)**

[Regulation of pyruvate kinase gene expression and its clinical application] Noguchi T. **Rinsho Byori** 1990 Aug; 38(8):868–75 (26 ref.) (Eng. Abstr.) **(Jpn)**

METABOLISM

Photoaffinity labeling of pyruvate kinase from rabbit muscle. Bazaes S, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun; 21(1):123–7 (27 ref.)

PYRUVATES

METABOLISM

Mechanisms and regulation of lactate, pyruvate and ketone body transport across the plasma membrane of mammalian cells and their metabolic consequences. Halestrap AP, et al. **Biochem Soc Trans** 1990 Dec;18(6):1132–5 (34 ref.)

Q FEVER

COMPLICATIONS

[Meningoencephalitis caused by Coxiella burnetii] Dano P, et al. **Rev Neurol (Paris)** 1990;146(8–9):511–3 (11 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Antibiotic treatment of rickettsiosis, recent advances and current concepts. Raoult D. **Eur J Epidemiol** 1991 May; 7(3):276–81 (48 ref.)

[Drugs for antibiotic- and chemotherapy of Q fever] Maksimovich MB. **Antibiot Khimioter** 1991 Feb;36(2):41–3 (61 ref.) **(Rus)**

MICROBIOLOGY

Pathogenesis of rickettsial infections emphasis on Q fever. Baca OG. **Eur J Epidemiol** 1991 May;7(3):222–8 (59 ref.)

QUACKERY

Questionable cancer practices in Tijuana and other Mexican border clinics. **CA Cancer J Clin** 1991 Sep–Oct;41(5):310–9 (72 ref.)

[Geriatric drugs—delayed aging, fountain of youth or profit out of aging?] Platt D. **Verh Dtsch Ges Inn Med** 1990; 96:310–8 (17 ref.) **(Ger)**

QUADRIGEMINAL PLATE see **CORPORA QUADRIGEMINA**

QUADRIPLEGIA

CHEMICALLY INDUCED

[Recurrent peripheral neuropathy caused by thallium poisoning] Labauge R, et al. **Rev Neurol (Paris)** 1991; 147(4):317–9 (14 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

[Hemangioblastoma associated with syringomyelia and syringobulbia in a patient with rheumatoid arthritis] Bonet M, et al. **Arch Neurobiol (Madr)** 1990 Mar–Apr;53(2):89–91 (6 ref.) (Eng. Abstr.) **(Spa)**

GENETICS

Corpus callosum agenesis, spastic quadriparesis and irregular lining of the lateral ventricles on CT-scan. A distinct X-linked mental retardation syndrome? Vles JS, et al. **Genet Couns** 1990;1(2):97–102 (19 ref.)

PHYSIOPATHOLOGY

The expiratory muscles in tetraplegia. De Troyer A, et al. **Paraplegia** 1991 Jul;29(6):359–63 (15 ref.)

REHABILITATION

Rehabilitation of quadriparesis secondary to spinal cord sarcoidosis. Tuel SM, et al. **Am J Phys Med Rehabil** 1991 Apr;70(2):63–9 (39 ref.)

QUALITY ASSURANCE, HEALTH CARE

Use of computers in quality assurance of laboratory testing. Tan IK, et al. **Ann Acad Med Singapore** 1990 Sep; 19(5):724–30 (21 ref.)

Quality assurance education: towards the year 2000. Anderson BG. **Aust Clin Rev** 1991;11(1–2):11–6 (5 ref.)

Quality assurance and general practice in Australia. Del Mar C. **Aust Clin Rev** 1991;11(1–2):41–4 (5 ref.)

Good clinical practice. Regnier B. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):519–22 (8 ref.)

Quality assurance in clinical laboratories. An updated supplement to a bibliography. Uldall A. **Eur J Haematol Suppl** 1990;53:22–37 (248 ref.)

Assuring value in medical care for employees and dependents: an opportunity for occupational physicians. Buck CR Jr. **J Occup Med** 1990 Dec;32(12):1165–6 (13 ref.)

Quality assurance of medical care. Black N. **J Public Health Med** 1990;12(2):97–104 (46 ref.)

Assessing and assuring the quality of home health care: a conceptual framework. Kramer AM, et al. **Milbank Q** 1990; 68(3):413–43 (63 ref.)

Quality assurance for drug prescribing. Soumerai SB, et al. **Qual Assur Health Care** 1990;2(1):37–58 (57 ref.)

Quality assurance in the surgical intensive care unit. Where it came from and where it's going. Osler T, et al. **Surg Clin North Am** 1991 Aug;71(4):887–904 (47 ref.)

[Quality assurance in antenatal, perinatal and neonatal care. A medical audit] Andersen KV, et al. **Ugeskr Laeger** 1991 May 20;153(21):1498–501 (16 ref.) (Eng. Abstr.) **(Dan)**

[Quality assurance through organizational measures] Ahnefeld FW, et al. **Klin Anasthesiol Intensivther** 1990; 38:398–416; discussion 417–23 (12 ref.) **(Ger)**

[The critical incident conference as an instrument of quality control] von Wolff AF. **Klin Anasthesiol Intensivther** 1990; 38:338–44; discussion 345–7 (7 ref.) **(Ger)**

[Quality assurance in clinical laboratory diagnosis] Endrőczi E. **Orv Hetil** 1990 Nov 11;131(45):2463–7 (34 ref.) (Eng. Abstr.) **(Hun)**

ECONOMICS

[Ethical challenges at the bedside: philosophy and treatment principles. Economic forces] Brandts H. **Verh Dtsch Ges Inn Med** 1990;96:665–9 (18 ref.) **(Ger)**

LEGISLATION & JURISPRUDENCE

Case management for the mentally ill: looking at the evidence. Holloway F. **Int J Soc Psychiatry** 1991 Spring; 37(1):2–13 (66 ref.)

[Quality control in bone infection] Russe OJ. **Aktuel Probl Chir Orthop** 1990;34:150–2 (9 ref.) **(Ger)**

ORGANIZATION & ADMINISTRATION

St Vincent's Hospital: a case study. Quality improvement programme in the Division of Corporate Services. Westbrook JI, et al. **Aust Clin Rev** 1991;11(1–2):51–5 (6 ref.)

Clinically based quality goals; a NORDKEM project. Petersen PH, et al. **Eur J Haematol Suppl** 1990;53:6–8 (10 ref.)

Measuring the quality of nursing care: a consideration of different approaches. Redfern SJ, et al. **J Adv Nurs** 1990 Nov;15(11):1260–71 (68 ref.)

Implementing continuous quality improvement in occupational health programs. Belk HD. **J Occup Med** 1990 Dec;32(12):1184–8 (20 ref.)

Applications of industrial quality improvement in health care. Makens PK, et al. **J Occup Med** 1990 Dec;32(12):1177–83 (13 ref.)

Quality management in nursing. Batchelor GJ, et al. **J Soc Health Syst** 1989 May;1(1):63–8 (1 ref.)

Quality improvement process: the foundation for excellence in health care. Sahney VK, et al. **J Soc Health Syst** 1989 May;1(1):17–29 (9 ref.)

Lessons from industry: revising organizational structure to improve health care quality assurance. Eskildson L, et al. **QRB Qual Rev Bull** 1991 Feb;17(2):38–41 (16 ref.)

Improving the quality and utilization of critical care. Luce JM. **QRB Qual Rev Bull** 1991 Feb;17(2):42–7 (45 ref.)

High consumers of health care in emergency units: how to improve their quality of care. Hansagi H, et al. **Qual Assur Health Care** 1991;3(1):51–62 (36 ref.)

Quality assurance of pre-operative assessment—a review of quality assurance activities related to pre-operative assessment in nine hospitals in The Netherlands. Klazinga NS, et al. **Qual Assur Health Care** 1989;1(1):45–53 (37 ref.)

Hospital information systems and quality assurance. Selbmann HK, et al. **Qual Assur Health Care** 1990; 2(3–4):335–44 (12 ref.)

The importance of diagnostic procedures to ensure quality of health care in geriatric medicine. Examples from recent studies. Steen B. **Qual Assur Health Care** 1990; 2(3–4):387–92 (16 ref.)

Quality assurance in a nuclear medicine department. Lamki LM, et al. **Radiology** 1990 Dec;177(3):609–14 (11 ref.)

STANDARDS

Applying insurance claims data to assess quality of care: a compilation of potential indicators. Weiner JP, et al. **QRB Qual Rev Bull** 1990 Dec;16(12):424–38 (105 ref.)

STATISTICS & NUMERICAL DATA

Variance components and their implications for statistical information in medical data. Orav EJ, et al. **Stat Med** 1991 Apr;10(4):599–616 (29 ref.)

TRENDS

Quality assurance. Hannan T. **Aust Clin Rev** 1991; 11(1–2):22–7 (24 ref.)

The evolution of quality assurance in clinical chemistry: a personal view. Hendry PI. **Aust Clin Rev** 1991; 11(1–2):56–60 (1 ref.)

Quality and health care: future directions for health care quality management. Ruscoe WJ. **Aust Clin Rev** 1991; 11(1–2):28–33 (4 ref.)

Assessment of quality control in the use of psychotropics for the treatment of depression: a brief review. Wilmotte J. **Neuropsychobiology** 1989;22(4):208–13 (37 ref.)

QUALITY CONTROL

see related

REFERENCE STANDARDS

The importance of imprecision. Fraser CG, et al. **Ann Clin Biochem** 1991 May;28 (Pt 3):207–11 (18 ref.)

An overview of the strengths and limitations of biological assays in quality control. Esber EC. **J Pharm Biomed Anal** 1989;7(2):131–8 (16 ref.)

QUALITY OF HEALTH CARE

see related

PROFESSIONAL STAFF COMMITTEES

Consultation length in general practice: a review. Wilson A. **Br J Gen Pract** 1991 Mar;41(344):119–22 (50 ref.)

Continuity of cancer care. Lauria MM. **Cancer** 1991 Mar 15;67(6 Suppl):1759–66 (24 ref.)

Competence and performance: two different concepts in the assessment of quality of medical care. Rethans JJ, et al. **Fam Pract** 1990 Sep;7(3):168–74 (7 ref.)

Quality and cost: choices and responsibilities. Donabedian A. **J Occup Med** 1990 Dec;32(12):1167–72 (13 ref.)

Patient evaluations of hospital care. A review of the literature. Rubin HR. **Med Care** 1990 Sep;28(9 Suppl):S3–9 (56 ref.)

An ethical analysis of physical therapists' duty to treat persons who have AIDS: homosexual patients as a test case. Sim J, et al. **Phys Ther** 1991 Sep;71(9):650–5 (37 ref.)

Malpractice. Monrad Aas IH. **Qual Assur Health Care** 1991; 3(1):21–39 (76 ref.)

The quality of care of the elderly. Reizenstein P. **Qual Assur Health Care** 1989;1(1):31–7 (18 ref.)

[Rational continuing medical education] Renschler HE. **Schweiz Rundsch Med Prax** 1991 May 7;80(19):515–23 (36 ref.) (Eng. Abstr.) **(Ger)**

LEGISLATION & JURISPRUDENCE

The Health Care Quality Improvement Act of 1986: its history, provisions, applications and implications. Horner SL. **Am J Law Med** 1990;16(4):455–98 (261 ref.)

ORGANIZATION & ADMINISTRATION

Measuring the quality of care for the cancer patient. Marder RJ. **Cancer** 1991 Mar 15;67(6 Suppl):1753–8 (22 ref.)

STANDARDS

Assessing information for consumers on the quality of medical care. Sisk JE, et al. **Inquiry** 1990 Fall;27(3):263–72 (34 ref.)

Practice guidelines: best hope for quality improvement in the 1990s. Chassin MR. **J Occup Med** 1990 Dec; 32(12):1199–206 (43 ref.)

STATISTICS & NUMERICAL DATA

Using mortality data for profiling hospital quality of care and targeting substandard care. Hannan EL. **J Soc Health Syst** 1989 May;1(1):31–48 (17 ref.)

QUALITY OF LIFE

Quality of life during treatment of hypertensive patients with diuretics. Van Hoof R, et al. **Acta Cardiol** 1990; 45(5):393–401 (18 ref.)

Angiotensin converting enzyme inhibitors and quality of life. Breckenridge A. **Am J Hypertens** 1991 Jan;4(1 Pt 2):79S–82S (10 ref.)

Quality of life research in oncology. Past achievements and future priorities. Aaronson NK, et al. **Cancer** 1991 Feb 1; 67(3 Suppl):839–43 (10 ref.)

Methodologic issues in assessing the quality of life of cancer patients. Aaronson NK. **Cancer** 1991 Feb 1;67(3 Suppl):844–50 (64 ref.)

Quality of life after cancer. A policy perspective. Bloom JR. **Cancer** 1991 Feb 1;67(3 Suppl):855–9 (27 ref.)

Quality-of-life-adjusted survival for comparing cancer treatments. A commentary on TWiST and Q-TWiST. Feldstein ML. **Cancer** 1991 Feb 1;67(3 Suppl):851–4 (4 ref.)

Measurement of the quality of life in congestive heart failure—influence of drug therapy. Bulpitt CJ, et al. **Cardiovasc Drugs Ther** 1988 Nov;2 Suppl 1:419–24 (48 ref.)

Well-being (quality of life) in connection with hypertensive treatment. Dahlöf C. **Clin Cardiol** 1991 Feb;14(2):97–103 (31 ref.)

Measuring the adverse effects of unnecessary hypertension drug therapy: QALYs vs HYE. Gafni A. **Clin Invest Med** 1991 Jun;14(3):266–70 (12 ref.)

Children with Apert syndrome: developmental and psychologic considerations. Campis LB. **Clin Plast Surg** 1991 Apr;18(2):409–16 (23 ref.)

Supportive care in patients with cancer: quality of life and ethical issues. Feld R. **Curr Opin Oncol** 1990 Oct;2(5):924–8 (6 ref.)

The potential of biotechnology to improve the quality of life of patients with renal failure. Bloembergen WE, et al. **Drug Saf** 1991 Jan–Feb;6(1):1–7 (56 ref.)

Quality of life as a therapeutic end-point. An analysis of therapeutic trials in hypertension. Hollenberg NK, et al. **Drug Saf** 1991 Mar–Apr;6(2):83–93 (64 ref.)

Effect of drug treatment on quality of life in mild to moderate heart failure. Waller DG. **Drug Saf** 1991 Jul–Aug; 6(4):241–6 (24 ref.)

Assessing quality of life and preferences in the seriously ill using utility theory. Tsevat J, et al. **J Clin Epidemiol** 1990; 43 Suppl:73S–77S (70 ref.)

The impact of breast-conserving treatment and mastectomy on the quality of life of early-stage breast cancer patients: a review. Kiebert GM, et al. **J Clin Oncol** 1991 Jun; 9(6):1059–70 (53 ref.)

The role of pain in the last year of life of older persons. Moss MS, et al. **J Gerontol** 1991 Mar;46(2):P51–7 (24 ref.)

The measurement of quality of life in evaluating ACE inhibitors. Fletcher AE, et al. **J Hum Hypertens** 1990 Oct; 4 Suppl 4:45–9; discussion 49–50 (31 ref.)

The child between nature and culture. Burgio GR. **Klin Padiatr** 1991 Mar–Apr;203(2):65–71 (24 ref.)

The quality of the last year of life of older persons. Lawton MP, et al. **Milbank Q** 1990;68(1):1–28 (25 ref.)

Current status of quality of life measurement in lung cancer patients. Hopwood P, et al. **Oncology (Williston Park)** 1991 May;5(5):159–166; discussion 166, 169, 173 (56 ref.)

The effect of chronic orthopedic infection on quality of life. Cheatle MD. **Orthop Clin North Am** 1991 Jul;22(3):539–47 (23 ref.)

Assessment of quality of life and subjective response criteria in patients with prostatic cancer. Fossâ SD, et al. **Prog Clin Biol Res** 1990;357:199–202 (19 ref.)

Measuring quality of life. Osoba D. **Prog Clin Biol Res** 1990; 354B:233–40 (13 ref.)

Measurement of psychological distress and well-being. Bech P. **Psychother Psychosom** 1990;54(2–3):77–89 (52 ref.)

Methodological and conceptual issues in research on quality of life. Fava GA. **Psychother Psychosom** 1990;54(2–3):70–6 (32 ref.)

Quality of life in patients with inflammatory bowel disease. Künsebeck HW, et al. **Psychother Psychosom** 1990; 54(2–3):110–6 (18 ref.)

Quality of life in cardiovascular disease. Mayou R. **Psychother Psychosom** 1990;54(2–3):99–109 (45 ref.)

Quality of life in oncology patients. Muthny FA, et al. **Psychother Psychosom** 1990;54(2–3):145–60 (41 ref.)

Quality of life in adults with insulin-dependent diabetes mellitus. Rodin G. **Psychother Psychosom** 1990; 54(2–3):132–9 (37 ref.)

Measuring the social dimension of subjective health in chronic illness. Siegrist J, et al. **Psychother Psychosom** 1990; 54(2–3):90–8 (32 ref.)

Psychological distress and quality of life in endocrine disease. Sonino N, et al. **Psychother Psychosom** 1990;54(2–3):140–4 (21 ref.)

The terminal quality of life and passive or active euthanasia. Daikos GK. **Qual Assur Health Care** 1990;2(3–4):375–86 (23 ref.)

Quality of life/subjective symptoms during beta-blocker treatment. Dahlöf C. **Scand J Prim Health Care** 1990;Suppl 1:73–80 (65 ref.)

Defining quality of life in medicine. Dimenäs ES, et al. **Scand J Prim Health Care** 1990;Suppl 1:7–10 (41 ref.)

ACE-inhibitors and quality of life. Herlitz H. **Scand J Prim Health Care** 1990;Suppl 1:85–8 (15 ref.)

Measuring quality of life in medicine. Wiklund I. **Scand J Prim Health Care** 1990;Suppl 1:11–4 (41 ref.)

The Nottingham Health Profile—a measure of health-related quality of life. Wiklund I. **Scand J Prim Health Care** 1990; Suppl 1:15–8 (31 ref.)

Quality of life/subjective symptoms during beta-blocker treatment. Dahlöf C. **Scand J Prim Health Care Suppl** 1990; 1:73–80 (67 ref.)

ACE-inhibitors and quality of life. Herlitz H. **Scand J Prim Health Care Suppl** 1990;1:85–8 (15 ref.)

The role of public values in setting health care priorities. Hadorn DC. **Soc Sci Med** 1991;32(7):773–81 (48 ref.)

Quality adjusted survival analysis. Glasziou PP, et al. **Stat Med** 1990 Nov;9(11):1259–76 (19 ref.)

[Quality of life with adjuvant treatment of breast cancer] Grønvold M. **Ugeskr Laeger** 1991 Apr 22;153(17):1185–9 (30 ref.) (Eng. Abstr.) **(Dan)**

[Evaluation of the quality of life in adulthood of 158 patients surgically-treated for tetralogy of Fallot] Aigueperse J, et al. **Arch Mal Coeur Vaiss** 1991 May;84(5):685–90 (9 ref.) (Eng. Abstr.) **(Fre)**

[Medico-psychosocial rehabilitation of patients with cancer] Razavi D. **Rev Med Brux** 1991 Jan–Feb;12(1–2):19–25 (51 ref.) (Eng. Abstr.) **(Fre)**

[Difficulties in the evaluation of the basic treatment of rheumatoid polyarthritis: a role for the scales of quality of life?] Avouac B. **Rev Rhum Mal Osteoartic** 1991 Apr; 58(3 (Pt 2)):60S–64S (22 ref.) (Eng. Abstr.) **(Fre)**

[Ulcerative colitis: quality of life after surgical therapy] Köhler L, et al. **Dtsch Med Wochenschr** 1991 Sep 6; 116(36):1362–7 (54 ref.) **(Ger)**

[Quality of life in the aged—is it threatened by osteoporosis?] Minne HW. **Pharm Unserer Zeit** 1991 May;20(3):109–14 (0 ref.) **(Ger)**

[Life style and quality of life of children and adolescents following malignant tumor disease] Häberle H, et al. **Zentralbl Chir** 1990;115(15):925–32 (12 ref.) (Eng. Abstr.) **(Ger)**

[Palliative therapy in cancer. 6. Quality of life and BRM therapy in cancer-patients] Urushizaki I. **Gan To Kagaku Ryoho** 1990 Oct;17(10):2119–29 (29 ref.) (Eng. Abstr.) **(Jpn)**

[Assessment of quality of life in internal medicine] Zakharova TIu, et al. **Sov Med** 1991;(6):34–8 (26 ref.) **(Rus)**

QUANTUM THEORY

Quantum mechanics and cellular information processing: the self-assembly paradigm. Conrad M. **Biomed Biochim Acta** 1990;49(8–9):743–55 (16 ref.)

QUARANTINE

see related

PATIENT ISOLATION

QUARTZ

ADVERSE EFFECTS

Computed tomographic scanning of the thorax in workers at risk of or with silicosis. Bégin R, et al. **Semin Ultrasound CT MR** 1990 Oct;11(5):380–92 (54 ref.)

TOXICITY

Crystalline silica and lung cancer: a review of recent experimental evidence. Holland LM. **Regul Toxicol Pharmacol** 1990 Dec;12(3 Pt 1):224–37 (40 ref.)

QUESTIONNAIRES

The relative value of consultation, questionnaires and laboratory investigation in the identification of excessive alcohol consumption. Levine J. **Alcohol Alcohol** 1990; 25(5):539–53 (70 ref.)

Questionnaire for the Assessment of Symptoms and Psychological Effects in Cardiovascular Therapy (the ASPECT Scale). Jern S.
Scand J Prim Health Care Suppl 1990;1:31–2 (4 ref.)
[Difficulties in the evaluation of the basic treatment of rheumatoid polyarthritis: a role for the scales of quality of life?] Avouac B. **Rev Rhum Mal Osteoartic** 1991 Apr; 58(3 (Pt 2)):60S–64S (22 ref.) (Eng. Abstr.) **(Fre)**

STANDARDS

The SSA-profile, an instrument for assessment of subjective symptoms among hypertensives. Dimenäs E.
Scand J Prim Health Care 1990;Suppl 1:27–30 (25 ref.)
Questionnaire for the Assessment of Symptoms and Psychological Effects in Cardiovascular Therapy (the ASPECT Scale). Jern S. **Scand J Prim Health Care** 1990; Suppl 1:31–2 (4 ref.)
Measuring quality of life in medicine. Wiklund I.
Scand J Prim Health Care 1990;Suppl 1:11–4 (41 ref.)
The Nottingham Health Profile—a measure of health-related quality of life. Wiklund I. **Scand J Prim Health Care** 1990; Suppl 1:15–8 (31 ref.)

QUEUING THEORY see **SYSTEMS THEORY**

QUINAZOLINES

PHARMACOLOGY

The use of diacylglycerol kinase inhibitors for elucidating the roles of protein kinase C. de Chaffoy de Courcelles D. **Adv Second Messenger Phosphoprotein Res** 1990; 24:491–6 (50 ref.)

THERAPEUTIC USE

Update on trimetrexate, a folate antagonist with antineoplastic and antiprotozoal properties. Lin JT, et al. **Cancer Invest** 1991;9(2):159–72 (135 ref.)
The renewed potential for folate antagonists in contemporary cancer chemotherapy. Berman EM, et al. **J Med Chem** 1991 Feb;34(2):479–85 (58 ref.)

QUINCKE'S EDEMA see **ANGIONEUROTIC EDEMA**

QUINIC ACID

METABOLISM

The Wilhelmine E. Key 1989 invitational lecture. Organization and regulation of the qa (quinic acid) genes in Neurospora crassa and other fungi. Giles NH, et al.
J Hered 1991 Jan–Feb;82(1):1–7 (32 ref.)

QUININE

ADMINISTRATION & DOSAGE

Therapeutics review: the use of parenteral drugs for falciparum malaria. Davidson RN, et al.
Cent Afr J Med 1990 Oct;36(10):259–63 (20 ref.)

QUINOLINES

PHARMACOLOGY

WY-50,295 tromethamine: a novel inhibitor of leukotriene-mediated reactions. Weichman BM, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1991; 21A:477–80 (4 ref.)
Pharmacology of flosequinan. Yates DB. **Am Heart J** 1991 Mar;121(3 (Pt 1)):974–83 (16 ref.)
Measurement of the receptor turnover using an irreversible inactivating method. Theoretical assumptions, limitations and practical realization. Nowak G.
Pol J Pharmacol Pharm 1990 Sep–Oct;42(5):433–40 (24 ref.)

QUINOLINONES

[Discovery and recent development of a novel coenzyme pyrroloquinoline quinone (PQQ)] Matsushita K, et al.
Seikagaku 1991 Mar;63(3):218–21 (15 ref.) **(Jpn)**

ADVERSE EFFECTS

Rheumatological side-effects of quinolones. Ribard P, et al.
Baillieres Clin Rheumatol 1991 Apr;5(1):175–91 (66 ref.)

CHEMISTRY

[New 4-quinolones] Monova D, et al. **Vutr Boles** 1990; 29(2):1–10 (0 ref.) **(Bul)**

METABOLISM

Quinoproteins: enzymes containing the quinonoid cofactor pyrroloquinoline quinone, topaquinone or tryptophan-tryptophan quinone. Duine JA.
Eur J Biochem 1991 Sep 1;200(2):271–84 (211 ref.)
PQQ-linked enzymes in enteric bacteria. Neijssel OM.
Microbiol Sci 1987 Mar;4(3):87–90 (16 ref.)
Physiologic importance of pyrroloquinoline quinone. Smidt CR, et al. **Proc Soc Exp Biol Med** 1991 May;197(1):19–26 (95 ref.)

PHARMACOLOGY

Drug therapy for Helicobacter pylori infection: problems and pitfalls. Glupczynski Y, et al. **Am J Gastroenterol** 1990 Dec; 85(12):1545–51 (55 ref.)

THERAPEUTIC USE

Acute and chronic bacterial prostatitis: a review of treatment approaches. Kot T, et al. **Compr Ther** 1990 Aug;16(8):54–9 (18 ref.)
The role of quinolones in the treatment of chronic bacterial prostatitis. Naber KG. **Infection** 1991;19 Suppl 3:S170–7 (62 ref.)
Rational antibiotic therapy: new drugs, changing concepts. Graber H. **Ther Hung** 1990;38(3):99–105 (46 ref.)

QUINOLIZINES

CHEMISTRY

Indolizidine and quinolizidine alkaloids. Michael JP.
Nat Prod Rep 1990 Dec;7(6):485–513 (190 ref.)

QUINOLONE ANTI-INFECTIVE AGENTS see **ANTI-INFECTIVE AGENTS, QUINOLONE**

QUINOLONES see **QUINOLINONES**

QUINONE REDUCTASES

Advances in research on DT-diaphorase—catalytic properties, regulation of activity and significance in the detoxication of foreign compounds. Horie S.
Kitasato Arch Exp Med 1990 Apr;63(1):11–30 (50 ref.)

DEFICIENCY

Multiple defects of the mitochondrial respiratory chain in a mitochondrial encephalopathy (MERRF): a clinical, biochemical and molecular study. Bindoff LA, et al.
J Neurol Sci 1991 Mar;102(1):17–24 (48 ref.)

METABOLISM

Effect of superoxide dismutase on the autoxidation of hydroquinones formed during DT-diaphorase catalysis and glutathione nucleophilic addition. Cadenas E, et al.
Adv Exp Med Biol 1990;264:37–44 (24 ref.)
Bacterial NADH-quinone oxidoreductases. Yagi T.
J Bioenerg Biomembr 1991 Apr;23(2):211–25 (88 ref.)

ULTRASTRUCTURE

Electron microscopy and image analysis of the complexes I and V of the mitochondrial respiratory chain. Brink J, et al. **Electron Microsc Rev** 1988;1(2):175–99 (121 ref.)

QUINONES

ANALYSIS

Distribution of naturally occurring quinones. Thomson RH.
Pharm Weekbl [Sci] 1991 Apr 26;13(2):70–3 (19 ref.)
Biotechnology and biosynthesis of quinones. Van den Berg AJ. **Pharm Weekbl [Sci]** 1991 Apr 26;13(2):74–7 (34 ref.)

CHEMISTRY

The phylogeny and chemical diversity of quinone-tanned glues and varnishes. Waite JH.
Comp Biochem Physiol [B] 1990;97(1):19–29 (111 ref.)

METABOLISM

Formation and reactivity of a quinone methide in biological systems. Thompson D, et al. **Adv Exp Med Biol** 1991; 283:589–96 (35 ref.)

PHARMACOLOGY

Role of the glutathione-glutathione peroxidase cycle in the cytotoxicity of the anticancer quinones. Doroshow JH, et al. **Pharmacol Ther** 1990;47(3):359–70 (146 ref.)
Hypocrellins and their use in photosensitization. Zhenjun D, et al. **Photochem Photobiol** 1990 Sep;52(3):609–16 (68 ref.)

THERAPEUTIC USE

[New antineoplastic antibiotics, new analogs, modifiers of biological reactions and oncogene inhibitors] Viadro MM, et al. **Antibiot Khimioter** 1991 Feb;36(2):44–8 (61 ref.) **(Rus)**

QUINOXALINES

PHARMACOKINETICS

Pharmacokinetic and residue studies of quinolone compounds and olaquindox in poultry. Anadón A, et al.
Ann Rech Vet 1990;21 Suppl 1:137S–144S (23 ref.)

PHARMACOLOGY

Quinoxalinediones as excitatory amino acid antagonists in the vertebrate central nervous system. Davies SN, et al.
Int Rev Neurobiol 1990;32:281–303 (78 ref.)

QUISQUALIC ACID

PHARMACOLOGY

Alcohol and anesthetic actions on excitatory amino acid-activated ion channels. Weight FF, et al.
Ann N Y Acad Sci 1991;625:97–107 (40 ref.)

R REPETITIVE SEQUENCE see **REPETITIVE SEQUENCES, NUCLEIC ACID**

RABBIT AORTA CONTRACTING SUBSTANCE see **THROMBOXANE A2**

RABBITS

Evidence for HIV-1 infection in rabbits. A possible model for AIDS. Gordon MR, et al. **Ann N Y Acad Sci** 1990; 616:270–80 (25 ref.)

METABOLISM

Evaluation of the energy value of rabbit feeds: a critical review. Maertens L, et al. **Acta Vet Hung** 1990;38(3):153–63 (71 ref.)

RABIES

EPIDEMIOLOGY

Rabies. Fishbein DB. **Infect Dis Clin North Am** 1991 Mar; 5(1):53–71 (50 ref.)

IMMUNOLOGY

Immune reactions against rabies viruses—infection and vaccination. Süss J, et al. **Exp Pathol** 1991;42(1):1–9 (24 ref.)

PREVENTION & CONTROL

New developments in the pre- and post-exposure treatment of rabies. Dietzschold B, et al. **Crit Rev Immunol** 1991; 10(5):427–39 (59 ref.)
[Prevention of rabies (experience of the past, possibilities of the future)] Makara M, et al. **Orv Hetil** 1990 Sep 2; 131(35):1925–9 (42 ref.) (Eng. Abstr.) **(Hun)**

VETERINARY

[Behavioral ecology of the transmission of rabies] Artois M, et al. **Ann Rech Vet** 1991;22(2):163–72 (43 ref.) (Eng. Abstr.) **(Fre)**

RABIES VACCINE

Rabies vaccines from Pasteur's time up to experimental subunit vaccines today. Perrin P, et al.
Adv Biotechnol Processes 1990;14:325–45 (74 ref.)

ADMINISTRATION & DOSAGE

[Prevention of rabies (experience of the past, possibilities of the future)] Makara M, et al. **Orv Hetil** 1990 Sep 2; 131(35):1925–9 (42 ref.) (Eng. Abstr.) **(Hun)**

IMMUNOLOGY

Immune reactions against rabies viruses—infection and vaccination. Süss J, et al. **Exp Pathol** 1991;42(1):1–9 (24 ref.)

ISOLATION & PURIFICATION

New developments in the pre- and post-exposure treatment of rabies. Dietzschold B, et al. **Crit Rev Immunol** 1991; 10(5):427–39 (59 ref.)

RABIES VIRUS

IMMUNOLOGY

Immune reactions against rabies viruses—infection and vaccination. Süss J, et al. **Exp Pathol** 1991;42(1):1–9 (24 ref.)

RACCOON DOGS see **CARNIVORA**

RACE see **RACIAL STOCKS**

RACE RELATIONS

see related
CIVIL RIGHTS

TRENDS

Race and ethnicity in the European context. Allen S, et al.
Br J Sociol 1990 Sep;41(3):375–93 (103 ref.)

RACHITIS see **RICKETS**

RACIAL STOCKS

Race/gender issues in the sexual transmission of AIDS. Fullilove MT, et al. **AIDS Clin Rev** 1990;:25–62 (207 ref.)
Are non-whites at greater risk for occupational cancer? Kipen HM, et al. **Am J Ind Med** 1991;19(1):67–74 (36 ref.)

Hypertension: racial differences. Eisner GM. **Am J Kidney Dis** 1990 Oct;16(4 Suppl 1):35–40 (38 ref.)
Response to treatment of breast cancer. Berenberg JL. **Breast Cancer Res Treat** 1991 May;18 Suppl 1:S147–55 (59 ref.)
Racial differences in pregnancy duration and its implications for perinatal care. Papiernik E, et al. **Med Hypotheses** 1990 Nov;33(3):181–6 (38 ref.)

GENETICS

Genetics of diabetes. Trans-racial gene mapping studies. Mijovic CH, et al. **Baillieres Clin Endocrinol Metab** 1991 Jun;5(2):321–40 (84 ref.)
Cross-ethnic group comparisons of HLA class II alleles and insulin dependent diabetes mellitus. Serjeantson SW, et al. **Baillieres Clin Endocrinol Metab** 1991 Jun;5(2):299–320 (69 ref.)
Disease, race, geography and genes. Waldenström J. **J Intern Med** 1990 Nov;228(5):419–24 (26 ref.)

RADIAL KERATOTOMY see **KERATOTOMY, RADIAL**

RADIAL NERVE

The role of thoracic outlet syndrome in the double crush syndrome. Narakas AO. **Ann Chir Main Memb Super** 1990; 9(5):331–40 (57 ref.)
[Neuritis and neuroma of the sensory branches of the radial nerve. Apropos of 44 cases] Foucher G, et al. **Ann Chir Main Memb Super** 1991;10(2):108–12 (26 ref.) (Eng. Abstr.) **(Fre)**
[Bilateral radial nerve paralysis. Diagnostic and differential diagnostic aspects] Sturzenegger M, et al. **Schweiz Med Wochenschr** 1990 Sep 15;120(37):1325–34 (53 ref.) (Eng. Abstr.) **(Ger)**

RADIATION

see related
NUCLEAR WARFARE

"Radiation chemistry" literature compilations: their wider value in free radical research. Wardman P, et al. **Free Radic Biol Med** 1991;10(3–4):243–7 (41 ref.)
VDT exposure and pregnant workers. **J Occup Med** 1991 Jun;33(6):675–6 (14 ref.)
Photoimmunology. Kripke ML. **Photochem Photobiol** 1990 Oct;52(4):919–24 (13 ref.)
The determination of phantom and collimator scatter components of the output of megavoltage photon beams: measurement of the collimator scatter part with a beam-coaxial narrow cylindrical phantom. van Gasteren JJ, et al. **Radiother Oncol** 1991 Apr;20(4):250–7 (27 ref.)

RADIATION BIOLOGY see **RADIOBIOLOGY**

RADIATION DOSAGE

see related
RADIOTHERAPY DOSAGE

Image quality and radiation levels in videofluoroscopy for swallowing studies: a review [see comments] Beck TJ, et al. **Dysphagia** 1990;5(3):118–28 (6 ref.) Comment in: Dysphagia 1990;5(3):117.
Radiation and osteosynthesis. Dosimetry on an irradiation phantom. Stoll P, et al. **J Craniomaxillofac Surg** 1990 Nov; 18(8):361–6 (41 ref.)
Dose reduction in dental radiography. Horner K, et al. **J Dent** 1990 Aug;18(4):171–84 (117 ref.)
Low-level radiation--how dangerous is it? Sumner D. **Med War** 1990 Apr–Jun;6(2):112–9 (11 ref.)
Spontaneous DNA damage and its significance for the "negligible dose" controversy in radiation protection [see comments] Billen D. **Radiat Res** 1990 Nov;124(2):242–5 (25 ref.) Comment in: Radiat Res 1991 Jun;126(3):383–9.
Code of practice for clinical proton dosimetry. Vynckier S, et al. **Radiother Oncol** 1991 Jan;20(1):53–63 (33 ref.)

RADIATION EFFECTS

Radiation hormesis. Macklis RM, et al. **J Nucl Med** 1991 Feb;32(2):350–9 (77 ref.)
[Theoretic aspects of infrared therapy approaching athermic pulses] Clérin M. **Acta Belg Med Phys** 1990 Oct–Dec; 13(4):217–24 (24 ref.) **(Fre)**
[The action of long-wave ultraviolet light on the body] Smyshliaeva AV, et al. **Biol Nauki** 1990;(7):5–20 (98 ref.) (Eng. Abstr.) **(Rus)**
[The consequences of the destruction of the ozone layer for the biosphere] Belousov VV. **Izv Akad Nauk SSSR [Biol]** 1991 Mar–Apr;(2):242–54 (82 ref.) **(Rus)**
[The combined action on the body of ionizing and nonionizing electromagnetic radiations (a review of the literature)] Ian'shin LA. **Voen Med Zh** 1991 May;(5):53–6 (25 ref.) **(Rus)**

RADIATION GENETICS

Genetic effects of ionising radiation in man. Sankaranarayanan K. **Ann ICRP** 1991;22(1):75–94 (41 ref.)
[Specialized radiation-induced heritable nonstochastic damage at the cellular level of the organization] Bychkovskaia IB, et al. **Radiobiologiia** 1990 Jul–Aug; 30(4):467–76 (39 ref.) (Eng. Abstr.) **(Rus)**

RADIATION INJURIES

Post-radiation motor neuron syndromes. Bradley WG, et al. **Adv Neurol** 1991;56:341–53 (84 ref.)
Long-term toxicity of early stages of Hodgkin's disease therapy: the EORTC experience. EORTC Lymphoma Cooperative Group. Cosset JM, et al. **Ann Oncol** 1991 Feb; 2 Suppl 2:77–82 (28 ref.)
Acute radiation pneumonitis after postmastectomy irradiation: effect of fraction size. Price A, et al. **Clin Oncol (R Coll Radiol)** 1990 Jul;2(4):224–9 (20 ref.)
Ionizing radiation and genetic risks. IV. Current methods, estimates of risk of Mendelian disease, human data and lessons from biochemical and molecular studies of mutations. Sankaranarayanan K. **Mutat Res** 1991 Jul; 258(1):99–122 (62 ref.)
Ionizing radiation and genetic risks. I. Epidemiological, population genetic, biochemical and molecular aspects of Mendelian diseases. Sankaranarayanan K. **Mutat Res** 1991 Jul;258(1):3–49 (337 ref.)
Recent studies on photodamage to the eye with special reference to clinical phototherapeutic procedures. Andley UP, et al. **Photodermatol Photoimmunol Photomed** 1990 Jun; 7(3):98–105 (64 ref.)
[Leukoencephalopathy, calcifications of central grey nuclei, ophthalmologic manifestations following acute monoblastic leukemia treated with radiotherapy and methotrexate] Berkman N, et al. **Bull Soc Ophtalmol Fr** 1990 May; 90(5):483–8 (24 ref.) **(Fre)**
[Endocrine complications of treatment of brain tumors in children] Nicolino M, et al. **Pediatrie** 1991;46(1):109–19 (41 ref.) (Eng. Abstr.) **(Fre)**
[A case of delayed radiation lumbo-sacral plexopathy] Numata K, et al. **No To Shinkei** 1990 Jul;42(7):629–33 (20 ref.) (Eng. Abstr.) **(Jpn)**
[Occupational injuries of the eye caused by optical irradiation] Hrnjak M. **Srp Arh Celok Lek** 1990 Jan–Feb; 118(1–2):51–6 (20 ref.) (Eng. Abstr.) **(Scc)**

DIAGNOSIS

Biological indicators for radiation damage. Müller WU, et al. **Int J Radiat Biol** 1991 Apr;59(4):863–73 (45 ref.)
Postoperative and postradiation changes in the pelvis. Hricak H. **Magn Reson Q** 1990 Oct;6(4):276–97 (41 ref.)
[Solarium pseudoporphyria. Report of a case and review of the literature] Weiss J, et al. **Hautarzt** 1990 Dec; 41(12):671–4 (18 ref.) (Eng. Abstr.) **(Ger)**
[The clinical picture and treatment of acute radiation sickness in the recovery period (a review of the literature)] Alekseev GI, et al. **Voen Med Zh** 1990 Jul;(7):24–9 (67 ref.) **(Rus)**

DRUG THERAPY

Use of hematopoietic growth factors in radiation accidents. Gale RP, et al. **Int J Radiat Oncol Biol Phys** 1990 Nov; 19(5):1291–5 (55 ref.)
[The main trends in the pharmacological correction of radiation scleroses] Dubrovskaia VF. **Med Radiol (Mosk)** 1991;36(6):55–7 (42 ref.) **(Rus)**
[The correction of secondary radiation-induced immunodeficiencies] Iakovlev GM, et al. **Voen Med Zh** 1991 Jan;(1):44–6 (17 ref.) (Eng. Abstr.) **(Rus)**

ETIOLOGY

Radiation, diagnosis, and management. Upton AC. **Cancer Detect Prev** 1991;15(3):241–7 (33 ref.)
Radiation-associated valvular disease. Carlson RG, et al. **Chest** 1991 Mar;99(3):538–45 (32 ref.)
Ichthyosiform scaling secondary to megavoltage radiotherapy. Ross EV. **Cutis** 1991 Jul;48(1):59–60 (5 ref.)
The influence of volume on the tolerance of the brain to radiosurgery. Marks LB, et al. **J Neurosurg** 1991 Aug; 75(2):177–80 (15 ref.)
Hypofractionation: lessons from complications. Fletcher GH. **Radiother Oncol** 1991 Jan;20(1):10–5 (28 ref.)
[Maculopathy caused by irradiation in patients treated for choroid melanoma] Haye C, et al. **Ophtalmologie** 1990 May–Jun;4(3):229–31 (18 ref.) (Eng. Abstr.) **(Fre)**
[Light-induced damage to the eye] Zrenner E. **Fortschr Ophthalmol** 1990;87 Suppl:S41–51 (63 ref.) (Eng. Abstr.) **(Ger)**
[Radiation risk of the patient in radon therapy] Schüttmann W. **Z Arztl Fortbild (Jena)** 1990;84(24):1244–9 (30 ref.) **(Ger)**
[Fractionation and radiation injury--clinical aspect] Kikuchi Y, et al. **Gan No Rinsho** 1990 Oct;36(13):2337–47 (45 ref.) (Eng. Abstr.) **(Jpn)**
[A case of aortoduodenal fistula following radiotherapy of retroperitoneal metastatic disease] Fukasawa H, et al. **Gan To Kagaku Ryoho** 1991 Jan;18(1):119–22 (9 ref.) (Eng. Abstr.) **(Jpn)**
[The consequences of unforeseen cesium-137 irradiation] Korolev VI. **Voen Med Zh** 1991 Jan;(1):50–2 (13 ref.) **(Rus)**

GENETICS

The comparative radiation genetics of humans and mice. Neel JV, et al. **Annu Rev Genet** 1990;24:327–62 (109 ref.)
[The genetic risk of ionizing radiation] Dubinin NP. **Dokl Akad Nauk SSSR** 1990;314(6):1491–4 (15 ref.) **(Rus)**

PREVENTION & CONTROL

Review: antioxidant protection of the ageing macula. Gerster H. **Age Ageing** 1991 Jan;20(1):60–9 (63 ref.)
Radiation safety in biological research laboratories. Galanek MS. **Occup Med** 1991 Apr–Jun;6(2):255–69 (15 ref.)
[Surgical prevention of radiation injuries of the small intestine] Rodier JF, et al. **Ann Chir** 1990;44(7):499–505; discussion 505–11 (60 ref.) **(Fre)**
[Development of new, more effective radiation protection methods for radium-treated patients and report of two of our most unusual cases] Bozóky L, et al. **Orv Hetil** 1991 May 12;132(19):1041–4 (29 ref.) (Eng. Abstr.) **(Hun)**
[Radioprotection in cardiology] Zannoli R, et al. **Cardiologia** 1990 Feb;35(2):113–20 (14 ref.) **(Ita)**
[Medical examination of the workers occupationally exposed to ionizing radiation] Kato T. **Rinsho Byori** 1991 Apr; 39(4):333–7 (11 ref.) (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Acute radiation-induced pulmonary injury: computed tomography evaluation. Ikezoe J, et al. **Semin Ultrasound CT MR** 1990 Oct;11(5):409–16 (19 ref.)

SURGERY

Role of bone marrow transplantation as treatment for victims of nuclear accidents. Champlin R. **Cancer Treat Res** 1990; 50:299–306 (44 ref.)
The role of marrow grafts in irradiation accidents. Thomas ED. **Int J Radiat Oncol Biol Phys** 1990 Nov;19(5):1289–90 (12 ref.)
[Prognosis of recovery after whole-body irradiation in relation to hematological indicators as the basis of clinical management of patients] Fliedner TM. **Gematol Transfuziol** 1990 Dec;35(12):27–31 (9 ref.) **(Rus)**

THERAPY

On radiation damage to normal tissues and its treatment. I. Growth factors. Michalowski A. **Acta Oncol** 1990; 29(8):1017–23 (115 ref.)
[Significance of radiogenic damage for lymphology] Herpertz U. **Z Lymphol** 1990 Dec;14(2):62–7 (0 ref.) (Eng. Abstr.) **(Ger)**

RADIATION INJURIES, EXPERIMENTAL

DNA damage and repair following treatment with ionizing radiation. Powell S, et al. **Radiother Oncol** 1990 Oct; 19(2):95–108 (78 ref.)
Radiosensitivity of glial progenitor cells of the perinatal and adult rat optic nerve studied by an in vitro clonogenic assay. van der Maazen RW, et al. **Radiother Oncol** 1991 Apr;20(4):258–64 (28 ref.)

GENETICS

[A possible molecular mechanism of the impairment of the stability of the genome in cells capable of replicating DNA in acute and chronic forms of radiation sickness] Fradkin GE. **Radiobiologiia** 1990 Jul–Aug;30(4):458–66 (28 ref.) (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Radioprotective effect of free radical scavenging enzymes. Jones JB, et al. **J Otolaryngol** 1990 Oct;19(5):299–306 (24 ref.)
Effect of radioprotective agents on X-ray cataracts. Reddy VN, et al. **Lens Eye Toxic Res** 1989;6(4):573–88 (20 ref.)

THERAPY

Interactions in recovery and in residual injury from sequential treatments of mouse haemopoietic and stromal marrow cell populations, using X-rays, cyclophosphamide and busulphan. Qi DY, et al. **Radiother Oncol** 1991 Jan; 20(1):46–52 (33 ref.)

RADIATION, IONIZING

Ionising radiations from nuclear establishments and childhood leukaemias--an enigma. Evans HJ. **Bioessays** 1990 Nov;12(11):541–9 (74 ref.)
Total perturbation correction factor for PTW and NACP plane parallel chambers in electron beams. Cinos C, et al. **Radiother Oncol** 1991 Jun;21(2):135–40 (13 ref.)

RADIATION, NON-IONIZING

ADVERSE EFFECTS

VDT exposure and pregnant workers. **J Occup Med** 1991 Jun;33(6):675–6 (14 ref.)

RADIATION PROTECTION

Removable partial overdentures for the irradiated patient. Rosenberg SW. **Dent Clin North Am** 1990 Oct;34(4):759–63

(11 ref.)
Weiss lecture. The dose-rate factor in radiation biology. Hall EJ. **Int J Radiat Biol** 1991 Mar;59(3):595-610 (51 ref.)
The safety of low melting point bismuth/lead alloys: a review. Glasgow GP. **Med Dosim** 1991 Mar;16(1):13-8 (13 ref.)
Monte Carlo techniques in medical radiation physics. Andreo P. **Phys Med Biol** 1991 Jul;36(7):861-920 (300 ref.)
Spontaneous DNA damage and its significance for the "negligible dose" controversy in radiation protection [see comments] Billen D. **Radiat Res** 1990 Nov;124(2):242-5 (25 ref.) Comment in: Radiat Res 1991 Jun;126(3):383-9.
[Radioprotection in cardiology] Zannoli R, et al. **Cardiologia** 1990 Feb;35(2):113-20 (14 ref.) **(Ita)**

LEGISLATION & JURISPRUDENCE

[Radiology and radioprotection in dental medicine. 2: Regulations and practical recommendations] Jones P, et al. **Rev Belge Med Dent** 1991;46(1):31-52 (21 ref.) (Eng. Abstr.) **(Fre)**

METHODS

[Development of new, more effective radiation protection methods for radium-treated patients and report of two of our most unusual cases] Bozóky L, et al. **Orv Hetil** 1991 May 12;132(19):1041-4 (29 ref.) (Eng. Abstr.) **(Hun)**

STANDARDS

Radiofrequency/microwave protection guides. Petersen RC. **Health Phys** 1991 Jul;61(1):59-67 (11 ref.)

RADIATION-PROTECTIVE AGENTS

[Radiation sensitizing and protective action of Ligusticum wallichii Franch] Zhang SW, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1990 Nov;10(11):697-8 (16 ref.) **(Chi)**

PHARMACOLOGY

Antioxidant effects in radioprotection. Bienvenu P, et al. **Adv Exp Med Biol** 1990;264:291-300 (84 ref.)
Effect of radioprotective agents on X-ray cataracts. Reddy VN, et al. **Lens Eye Toxic Res** 1989;6(4):573-88 (20 ref.)

THERAPEUTIC USE

Radiation and chemotherapy sensitizers and protectors. Coleman CN, et al. **Crit Rev Oncol Hematol** 1990; 10(3):225-52 (270 ref.)
Radioprotective effect of free radical scavenging enzymes. Jones JB, et al. **J Otolaryngol** 1990 Oct;19(5):299-306 (24 ref.)
Guarding against cellular glutathione deficiency. **Nutr Rev** 1990 Sep;48(9):346-8 (9 ref.)

RADIATION SENSITIVITY see **RADIATION TOLERANCE**

RADIATION-SENSITIZING AGENTS

Photosensitizing action of furocoumarins on membrane components and consequent intracellular events [published erratum appears in J Photochem Photobiol B 1991 May;9(2):235] Dall'Acqua F, et al. **J Photochem Photobiol B** 1991 Feb;8(3):235-54 (112 ref.)
Phthalocyanines as photodynamic sensitizers. Rosenthal I. **Photochem Photobiol** 1991 Jun;53(6):859-70 (98 ref.)
Hyperbaric oxygen in the radiation treatment of head and neck cancers. Sealy R. **Radiother Oncol** 1991;20 Suppl 1:75-9 (21 ref.)
[Radiation sensitizing and protective action of Ligusticum wallichii Franch] Zhang SW, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1990 Nov;10(11):697-8 (16 ref.) **(Chi)**

ADMINISTRATION & DOSAGE

The role of the low density lipoprotein receptor pathway in the delivery of lipophilic photosensitizers in the photodynamic therapy of tumours. Mazière JC, et al. **J Photochem Photobiol B** 1991 Mar;8(4):351-60 (46 ref.)

ADVERSE EFFECTS

In vivo evaluation of lenticular phototoxicity. Lerman S. **Lens Eye Toxic Res** 1989;6(1-2):301-8 (30 ref.)
Comparison of endogenous and exogenous photosensitization in the lens using in vitro and photophysical studies. Roberts JE, et al. **Lens Eye Toxic Res** 1989;6(1-2):309-18 (34 ref.)
[The "sensory" safety of drugs: photosensitizing damage to the structures of the eye] Piruzian LA, et al. **Izv Akad Nauk SSSR [Biol]** 1991 Jan-Feb;(1):43-50 (29 ref.) (Eng. Abstr.) **(Rus)**

ANALYSIS

In vitro and in vivo fluorescence monitoring of photosensitizers. Pottier R. **J Photochem Photobiol B** 1990 Jun;6(1-2):103-9 (23 ref.)

CHEMISTRY

Time-resolved luminescence spectroscopy of photosensitizers of biomedical interest. Andreoni A. **Photochem Photobiol** 1990 Aug;52(2):423-30 (66 ref.)

METABOLISM

Cellular uptake and photosensitizing properties of anticancer porphyrins in cell membranes and low and high density lipoproteins. Maziere JC, et al. **J Photochem Photobiol B** 1990 Jun;6(1-2):61-8 (37 ref.)
Factors influencing the distribution pattern of porphyrins in cell membranes. Ricchelli F, et al. **J Photochem Photobiol B** 1990 Jun;6(1-2):69-77 (15 ref.)

PHARMACOKINETICS

The possible role of ionic species in selective biodistribution of photochemotherapeutic agents toward neoplastic tissue. Pottier R, et al. **J Photochem Photobiol B** 1990 Dec 1; 8(1):1-16 (100 ref.)

PHARMACOLOGY

Hypocrellins and their use in photosensitization. Zhenjun D, et al. **Photochem Photobiol** 1990 Sep;52(3):609-16 (68 ref.)

THERAPEUTIC USE

Radiation and chemotherapy sensitizers and protectors. Coleman CN, et al. **Crit Rev Oncol Hematol** 1990; 10(3):225-52 (270 ref.)
The effect of therapy on tumour vascular function. Chaplin DJ. **Int J Radiat Biol** 1991 Jul-Aug;60(1-2):311-25 (97 ref.)
A review of hypoxic cell radiosensitization. Dische S. **Int J Radiat Oncol Biol Phys** 1991 Jan;20(1):147-52 (41 ref.)
Of what value is a highly absorbing photosensitizer in PDT? Dougherty TJ, et al. **J Photochem Photobiol B** 1991 Jan; 8(2):223-5 (9 ref.)
Photothermal sensitizers: possible use in tumor therapy. Jori G, et al. **J Photochem Photobiol B** 1990 Jun;6(1-2):93-101 (27 ref.)
Photosensitized processes in vivo: proposed phototherapeutic applications. Jori G. **Photochem Photobiol** 1990 Aug; 52(2):439-43 (24 ref.)
The use of fluorocarbon emulsions in cancer radiotherapy. Guichard M. **Radiother Oncol** 1991;20 Suppl 1:59-64 (27 ref.)
Radiosensitization with normobaric oxygen and carbogen. Rojas A. **Radiother Oncol** 1991;20 Suppl 1:65-70 (41 ref.)
[Laser photosensitizing therapy in cardiology] Bobrov VA, et al. **Ter Arkh** 1990;62(9):145-7 (43 ref.) **(Rus)**

RADIATION SICKNESS see **RADIATION INJURIES**

RADIATION SYNDROME see **RADIATION INJURIES**

RADIATION TOLERANCE

25th Paterson Symposium--is there a future for radiosensitivity testing? West CM, et al. **Br J Cancer** 1991 Jul;64(1):197-9 (0 ref.)
DNA repair in radiation sensitive mutants of mammalian cells: possible involvement of DNA topoisomerases. Hickson ID, et al. **Int J Radiat Biol** 1990 Oct;58(4):561-8 (29 ref.)
Tolerance of normal tissue to therapeutic irradiation. Emami B, et al. **Int J Radiat Oncol Biol Phys** 1991 May 15; 21(1):109-22 (197 ref.)
The ESTRO Breur lecture. Cellular sensitivity to low dose-rate irradiation focuses the problem of tumour radioresistance. Steel GG. **Radiother Oncol** 1991 Feb; 20(2):71-83 (45 ref.)
[Role and methods of radiotherapy in the treatment of malignant melanoma] Delaunay MM, et al. **Ann Dermatol Venereol** 1991;118(5):393-400 (43 ref.) **(Fre)**

PHYSIOLOGY

Radiotherapy and anaemia--the clinical experience. Dische S. **Radiother Oncol** 1991;20 Suppl 1:35-40 (23 ref.)

RADIATION, VISIBLE see **LIGHT**

RADIATION, WHOLE-BODY see **WHOLE-BODY IRRADIATION**

RADICAL NECK DISSECTION

Increased intracranial pressure as a complication of unilateral radical neck dissection in a patient with congenital absence of the transverse sinus. Lydiatt DD, et al. **Head Neck** 1991 Jul-Aug;13(4):359-62 (11 ref.)
Stage I-II squamous cell carcinoma of the oral cavity treated by iridium-192: is elective neck dissection indicated? Piedbois P, et al. **Radiother Oncol** 1991 Jun;21(2):100-6 (30 ref.)
Neck dissection: concepts, controversies, and technique. Byers RM. **Semin Surg Oncol** 1991 Jan-Feb;7(1):9-13 (16 ref.)

REHABILITATION

Neck dissection: morbidity and rehabilitation. Hillel A, et al. **Cancer Treat Res** 1990;52:133-47 (38 ref.)

RADICULAR CYST

THERAPY

A dentist's dilemma: nonsurgical endodontic therapy or periapical surgery for teeth with apparent pulpal pathosis and an associated periapical radiolucent lesion. Morse DR, et al. **Oral Surg Oral Med Oral Pathol** 1990 Sep; 70(3):333-40 (48 ref.)

RADICULITIS

PHYSIOPATHOLOGY

The significance of venous return impairment in ischemic radiculopathy and myelopathy. Parke WW. **Orthop Clin North Am** 1991 Apr;22(2):213-21 (19 ref.)

RADIO WAVES

Myocardial perfusion by contrast echocardiography. From off-line processing to radio frequency analysis. Rovai D, et al. **Circulation** 1991 May;83(5 Suppl):III97-103 (46 ref.)
Biological effects of radiofrequency radiation: concepts and criteria. Michaelson SM. **Health Phys** 1991 Jul;61(1):3-14 (103 ref.)
Radiofrequency/microwave protection guides. Petersen RC. **Health Phys** 1991 Jul;61(1):59-67 (11 ref.)
Advances in applications of radiofrequency current to catheter ablation therapy. Huang SK. **PACE** 1991 Jan; 14(1):28-42 (70 ref.)

ADVERSE EFFECTS

Implanted medical devices in workers exposed to radio-frequency radiation. Hocking B, et al. **Scand J Work Environ Health** 1991 Feb;17(1):1-6 (9 ref.)

RADIOACTIVE AIR POLLUTANTS see **AIR POLLUTANTS, RADIOACTIVE**

RADIOACTIVE FALLOUT

ANALYSIS

[The importance of bioindicators in the evaluation of radioactive contamination] Marović G. **Arh Hig Rada Toksikol** 1990 Dec;41(4):371-8 (52 ref.) (Eng. Abstr.) **(Scr)**

RADIOACTIVE POLLUTANTS

Chemical speciation and bioavailability of elements in the environment and their relevance to radioecology. Desmet GM, et al. **Sci Total Environ** 1991 Mar;100 Spec No:105-24 (47 ref.)

ADVERSE EFFECTS

Methodology issues in risk assessment for radon. Harley NH. **Environ Health Perspect** 1991 Jan;90:177-80 (16 ref.)

RADIOACTIVE WASTE

The application of biotechnology to the treatment of wastes produced from the nuclear fuel cycle: biodegradation and bioaccumulation as a means of treating radionuclide-containing streams. Macaskie LE. **Crit Rev Biotechnol** 1991;11(1):41-112 (278 ref.)
Chemical risks from nuclear waste repositories: review of the literature. Persson L. **Health Phys** 1990 Dec;59(6):915-7 (6 ref.)

RADIOAUTOGRAPHY see **AUTORADIOGRAPHY**

RADIOBIOLOGY

see related
NUCLEAR MEDICINE

TRENDS

Molecular radiation biology: future aspects. Hagen U. **Radiat Environ Biophys** 1990;29(4):315-22 (41 ref.)

RADIODERMATITIS

THERAPY

[Significance of radiogenic damage for lymphology] Herpertz U. **Z Lymphol** 1990 Dec;14(2):62-7 (0 ref.) (Eng. Abstr.) **(Ger)**

RADIOGRAPHIC IMAGE ENHANCEMENT

see related
X-RAY INTENSIFYING SCREENS
Electronic scanning-slit fluorography. Plenkovich D. **Acta Radiol Suppl (Stockh)** 1989;373:1-48 (120 ref.)
Digital chest radiography. MacMahon H, et al. **Clin Chest Med** 1991 Mar;12(1):19-32 (39 ref.)
Digital chest radiology. Hansell DM. **Curr Opin Radiol** 1991 Jun;3(3):364-71 (26 ref.)

Mammographic image receptors and image processing. Kimme-Smith C. **Curr Opin Radiol** 1990 Oct;2(5):719-25 (13 ref.)
Image quality and radiation levels in videofluoroscopy for swallowing studies: a review [see comments] Beck TJ, et al. **Dysphagia** 1990;5(3):118-28 (6 ref.) Comment in: Dysphagia 1990;5(3):117.
Radiographic evaluation of apical periodontitis and endodontic treatment results: a computer approach. Orstavik D. **Int Dent J** 1991 Apr;41(2):89-98 (43 ref.)
[Recent developments in x-ray luminescent imaging systems] Gurvič AM, et al. **Radiol Diagn (Berl)** 1990;31(4):401-8 (46 ref.) (Eng. Abstr.) **(Ger)**
[Digital radiography] Schnakenberg B. **Radiol Diagn (Berl)** 1990;31(4):317-38 (19 ref.) (Eng. Abstr.) **(Ger)**
[Synopsis of wrist pathology. Xeroradiography vs digital radiology] Scutellari PN, et al. **Radiol Med (Torino)** 1990 Sep;80(3):244-54 (43 ref.) (Eng. Abstr.) **(Ita)**

METHODS

Update on esophageal radiology. Levine MS, et al. **AJR Am J Roentgenol** 1990 Nov;155(5):933-41 (45 ref.)
Contrast and scatter in x-ray imaging. Barnes GT. **Radiographics** 1991 Mar;11(2):307-23 (23 ref.)
High-resolution computed tomography in pulmonary sarcoidosis. Dawson WB, et al. **Semin Ultrasound CT MR** 1990 Oct;11(5):423-9 (18 ref.)
High-resolution computed tomography of the pulmonary parenchyma. Noma S, et al. **Semin Ultrasound CT MR** 1990 Oct;11(5):365-79 (44 ref.)
[An analysis of 3-dimensional images in radiodiagnosis] Kossovoĭ AL. **Med Radiol (Mosk)** 1990 Nov;35(11):41-4 (79 ref.) **(Rus)**

TRENDS

Radiology systems of the nineties: meeting the challenge of change. Lodwick GS, et al. **J Digit Imaging** 1988 Nov; 1(1):4-12 (34 ref.)

RADIOGRAPHIC IMAGE INTERPRETATION, COMPUTER-ASSISTED

Radiographic evaluation of apical periodontitis and endodontic treatment results: a computer approach. Orstavik D. **Int Dent J** 1991 Apr;41(2):89-98 (43 ref.)

METHODS

[An analysis of 3-dimensional images in radiodiagnosis] Kossovoĭ AL. **Med Radiol (Mosk)** 1990 Nov;35(11):41-4 (79 ref.) **(Rus)**

RADIOGRAPHIC INTENSIFYING SCREENS see **X-RAY INTENSIFYING SCREENS**

RADIOGRAPHY

see related
CONTRAST MEDIA
EXTRAVASATION OF DIAGNOSTIC AND THERAPEUTIC MATERIALS

Ionic versus nonionic contrast use. Stolberg HO, et al. **Curr Probl Diagn Radiol** 1991 Mar-Apr;20(2):47-88 (298 ref.)
Neural networks in radiologic diagnosis. I. Introduction and illustration. Boone JM, et al. **Invest Radiol** 1990 Sep; 25(9):1012-6 (5 ref.)
Indications for office radiographs [see comments] Halvorsen JG, et al. **J Fam Pract** 1990 Nov;31(5):521-9 (42 ref.) Comment in: J Fam Pract 1991 Mar;32(3):240-1.

ADVERSE EFFECTS

Detriment in humans after irradiation in utero. Mole RH. **Int J Radiat Biol** 1991 Sep;60(3):561-4 (73 ref.)
[Adverse reactions to intravenous contrast media] Ryś A, et al. **Pol Tyg Lek** 1990 Nov 19-26;45(47-48):974-7 (26 ref.) **(Pol)**

INSTRUMENTATION

[The physicotechnical support of radiation diagnosis and therapy] Blinov NN, et al. **Med Radiol (Mosk)** 1990 Oct; 35(10):16-21 (51 ref.) **(Rus)**

METHODS

Contrast and scatter in x-ray imaging. Barnes GT. **Radiographics** 1991 Mar;11(2):307-23 (23 ref.)
[Ionic and non-ionic contrast media] Bryc S. **Ann Univ Mariae Curie Sklodowska [Med]** 1986;41:145-56 (29 ref.) (Eng. Abstr.) **(Pol)**

TRENDS

Edward B.D. Neuhauser memorial lecture. Bronchopulmonary dysplasia and research in diagnostic radiology. Northway WH Jr. **AJR Am J Roentgenol** 1991 Apr;156(4):681-7 (35 ref.)

RADIOGRAPHY, BITEWING

STATISTICS & NUMERICAL DATA

A reappraisal of the value of the bitewing radiograph in the diagnosis of posterior approximal caries. Kidd EA, et al. **Br Dent J** 1990 Oct 6;169(7):195-200 (40 ref.)

RADIOGRAPHY, DENTAL

Dental radiology. Alder ME. **Curr Opin Radiol** 1991 Feb; 3(1):101-8 (36 ref.)
Dose reduction in dental radiography. Horner K, et al. **J Dent** 1990 Aug;18(4):171-84 (117 ref.)
Radiographic examination in pediatric dentistry. A review. Arav L. **N Y State Dent J** 1991 Feb;57(2):36-7 (6 ref.)

ADVERSE EFFECTS

[Radiology and radioprotection in dental medicine. 2: Regulations and practical recommendations] Jones P, et al. **Rev Belge Med Dent** 1991;46(1):31-52 (21 ref.) (Eng. Abstr.) **(Fre)**

STANDARDS

New U.S. guidelines for prescribing dental radiographs--a critical review. Stephens RG, et al. **J Can Dent Assoc** 1990 Nov;56(11):1019-24 (33 ref.)
[Radiological information according to selected iconography] Jones PJ, et al. **Rev Belge Med Dent** 1991;46(1):53-66 (8 ref.) (Eng. Abstr.) **(Fre)**

TRENDS

Oral radiology. An expanding technology in search of a direction. Gröndahl HG. **Int J Technol Assess Health Care** 1990;6(4):610-9 (41 ref.)
Dental radiology. Present limitations and future prospects. Webber RL. **Int J Technol Assess Health Care** 1990; 6(4):603-9 (25 ref.)

RADIOGRAPHY, DUAL-ENERGY SCANNED PROJECTION

METHODS

[Digital projection radiography] Oestmann JW, et al. **Radiologe** 1991 Jan;31(1):1-7 (45 ref.) (Eng. Abstr.) **(Ger)**

RADIOGRAPHY, INTERVENTIONAL

Coronary angiography and interventional cardiology. Fleck E, et al. **Curr Opin Radiol** 1991 Aug;3(4):550-60 (31 ref.)
Interventional radiology of the biliary tract. Transcholecystic intervention. Fache JS. **Radiol Clin North Am** 1990 Nov; 28(6):1157-69 (84 ref.)
Interventional radiologic alternatives to cholecystectomy. Malone DE. **Radiol Clin North Am** 1990 Nov;28(6):1145-56 (62 ref.)
Interventional gallbladder procedures. van Sonnenberg E, et al. **Radiol Clin North Am** 1990 Nov;28(6):1185-90 (23 ref.)
Interventional radiology in malignant biliary obstruction. Hamlin JA, et al. **Semin Oncol** 1991 Apr;18(2):123-30 (36 ref.)

INSTRUMENTATION

[Indications for interventional neuroradiology. Arterial lysis, angioplasty and embolizing procedures] Grzyska U, et al. **Fortschr Med** 1991 Mar 30;109(9):199-203 (23 ref.) (Eng. Abstr.) **(Ger)**
[Interventional angiology in the area of the thigh. Percutaneous balloon dilatation, new procedures of recanalization, stents] Teifke A, et al. **Fortschr Med** 1991 Mar 30;109(9):204-7 (17 ref.) (Eng. Abstr.) **(Ger)**

METHODS

[Intervention radiology lends new therapeutic possibilities in brain diseases] Svendsen P, et al. **Lakartidningen** 1991 May 22;88(21):1968-9 (5 ref.) **(Swe)**

RADIOGRAPHY, PANORAMIC

METHODS

Fine-detail panoramic radiography by free-focus radiography. A clinical demonstration of diagnostic radiographs. Jensen TW. **Oral Surg Oral Med Oral Pathol** 1990 Oct;70(4):502-15 (21 ref.)

RADIOIMMUNOASSAY

[Significance and limitations of the radioimmunologic determination of the aminoterminal peptide of procollagen III in chronic hepatopathies] Rossi L, et al. **Ann Ital Med Int** 1988 Jul-Sep;3(3):203-7 (0 ref.) (Eng. Abstr.) **(Ita)**
[Progress in diagnostic techniques for high-sensitivity hormone analysis and DNA diagnosis] Miyai K. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):342-5 (6 ref.) **(Jpn)**

METHODS

Comparison of merits of steroid radioimmunoassays using iodinated or tritiated radioligands. Cuilleron CY, et al. **Int J Rad Appl Instrum [B]** 1990;17(7):661-6 (71 ref.)
Radioimmunoassay of histamine. Waldum HL, et al. **Scand J Gastroenterol Suppl** 1991;180:32-9 (38 ref.)

RADIOISOTOPE ANGIOGRAPHY see **RADIONUCLIDE ANGIOGRAPHY**

RADIOISOTOPE BRACHYTHERAPY see **BRACHYTHERAPY**

RADIOISOTOPE DILUTION TECHNIQUE

Choice and use of tracers. Butler P, et al. **Horm Metab Res Suppl** 1990;24:20-5 (36 ref.)

RADIOISOTOPE RENOGRAPHY

Quantification of renal haemodynamics with radionuclides. Peters AM. **Eur J Nucl Med** 1991;18(4):274-86 (102 ref.)

METHODS

Radionuclide evaluation of renal function. Taylor A Jr. **Crit Rev Diagn Imaging** 1991;32(1):1-36 (96 ref.)
Procedures of choice in renal nuclear medicine. Blaufox MD. **J Nucl Med** 1991 Jun;32(6):1301-9 (31 ref.)
Interventions in renal scintigraphy. Fine EJ. **Semin Nucl Med** 1991 Apr;21(2):116-27 (57 ref.)

RADIOISOTOPE SCANNING see **RADIONUCLIDE IMAGING**

RADIOISOTOPE TELETHERAPY

ADVERSE EFFECTS

[Cardiologic side effects of therapeutic irradiation of breast cancer--early results] Gyenes G, et al. **Orv Hetil** 1990 Dec 2;131(48):2641-6 (27 ref.) (Eng. Abstr.) **(Hun)**

RADIOISOTOPES

see related
ISOTOPE LABELING

Radiopharmaceuticals: state of the art. Verbruggen AM. **Eur J Nucl Med** 1990;17(6-8):346-64 (114 ref.)
Techniques for radioactive decontamination in nuclear medicine. Mountford PJ. **Semin Nucl Med** 1991 Jan; 21(1):82-9 (12 ref.)

ADMINISTRATION & DOSAGE

Radioimmunotherapy of malignancies. Reilly RM. **Clin Pharm** 1991 May;10(5):359-75 (110 ref.)

ADVERSE EFFECTS

[Radioprotection in cardiology] Zannoli R, et al. **Cardiologia** 1990 Feb;35(2):113-20 (14 ref.) **(Ita)**

CHEMISTRY

Newer approaches to the radiolabeling of monoclonal antibodies by use of metal chelates. Gansow OA. **Int J Rad Appl Instrum [B]** 1991;18(4):369-81 (45 ref.)

DIAGNOSTIC USE

The clinical application of radiopharmaceuticals. Leeds NE. **Drugs** 1990 Nov;40(5):713-21 (33 ref.)
Biological and clinical perspectives of cancer imaging and therapy with radiolabeled antibodies. Goldenberg DM, et al. **Semin Cancer Biol** 1990 Jun;1(3):217-25 (65 ref.)

THERAPEUTIC USE

Radioimmunotherapy of B-cell lymphoma. Eary JF. **Ann Oncol** 1991 Feb;2 Suppl 2:187-90 (11 ref.)
Radionuclide therapy revisited. Hoefnagel CA. **Eur J Nucl Med** 1991;18(6):408-31 (203 ref.)
Therapeutic radionuclides: production and decay property considerations. Volkert WA, et al. **J Nucl Med** 1991 Jan; 32(1):174-85 (114 ref.)
General principles and perspectives of cancer therapy with radiopharmaceuticals. Shapiro B, et al. **J Nucl Med Allied Sci** 1990 Oct-Dec;34(4):260-4 (22 ref.)
Radiolabelled monoclonal antibodies in oncology. III. Radioimmunotherapy. Britton KE, et al. **Nucl Med Commun** 1991 Apr;12(4):333-47 (57 ref.)
Current status of radioimmunoglobulins in the treatment of human malignancy. Order SE, et al. **Oncology (Williston Park)** 1989 May;3(5):115-20; discussion 122, 129-30 (26 ref.)

RADIOLIGAND ASSAY

Where have we got to with neuroreceptor mapping of the human brain? Mazière B, et al. **Eur J Nucl Med** 1990; 16(11):817-35 (195 ref.)

RADIOLIGAND ASSAY

The gastrin receptor assay. Kleveland PM, et al. **Scand J Gastroenterol Suppl** 1991;180:62–9 (59 ref.)
[Experimental design and interpretation of studies of radioligand binding] Schnittler M, et al. **Pharmazie** 1991 Jan;46(1):2–8 (27 ref.) **(Ger)**

RADIOLOGY

LEGISLATION & JURISPRUDENCE

Mammography and malpractice. Potchen EJ, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):475–80 (34 ref.)

METHODS

[Radiological diagnosis—current problems and achievements] Lindenbraten LD. **Klin Med (Mosk)** 1991 Feb;69(2):5–10 (0 ref.) **(Rus)**

TRENDS

Radiology systems of the nineties: meeting the challenge of change. Lodwick GS, et al. **J Digit Imaging** 1988 Nov; 1(1):4–12 (34 ref.)

RADIOLOGY DEPARTMENT, HOSPITAL

[Development of new, more effective radiation protection methods for radium-treated patients and report of two of our most unusual cases] Bozóky L, et al. **Orv Hetil** 1991 May 12;132(19):1041–4 (29 ref.) (Eng. Abstr.) **(Hun)**

RADIOLOGY, DIAGNOSTIC X-RAY see **RADIOGRAPHY**

RADIOLOGY INFORMATION SYSTEMS

Local area networks for radiology. Dwyer SJ 3d, et al. **J Digit Imaging** 1988 Nov;1(1):28–38 (34 ref.)
Literature review: Picture Archiving and Communication Systems. Schmiedl UP, et al. **J Digit Imaging** 1990 Aug; 3(3):178–94 (0 ref.)
Literature review: picture archiving and communication system. Schmiedl UP, et al. **J Digit Imaging** 1990 Nov; 3(4):238–45 (266 ref.)

TRENDS

Radiology systems of the nineties: meeting the challenge of change. Lodwick GS, et al. **J Digit Imaging** 1988 Nov; 1(1):4–12 (34 ref.)

RADIOLOGY, INTERVENTIONAL

Positron emission tomography and interventional cardiology. Gould KL. **Am J Cardiol** 1990 Oct 26;66(14):51F–58F (57 ref.)
Characterization of atherosclerotic lesions by intravascular ultrasound: possible role in unstable coronary syndromes and in interventional therapeutic procedures. Keren G, et al. **Am J Cardiol** 1991 Sep 3;68(7):85B–91B (30 ref.)
Diagnostic and interventional procedures for the biliary tract. Goldberg HI, et al. **Curr Opin Radiol** 1991 Jun;3(3):453–62 (37 ref.)
Interventional neuroradiology. Jacobs JM. **Curr Opin Radiol** 1991 Feb;3(1):37–45 (29 ref.)
Interventional radiology in gallstone disease. Goodacre B, et al. **Gastroenterol Clin North Am** 1991 Mar;20(1):209–27 (101 ref.)
Patient care in interventional radiology: a perspective. Barth KH, et al. **Radiology** 1991 Jan;178(1):11–7 (64 ref.)
[Stereotaxic radiosurgery:methods and indications in the treatment of cerebral arteriovenous malformations] Blond S, et al. **Agressologie** 1990 May;31(5):277–9 (10 ref.) (Eng. Abstr.) **(Fre)**

TRENDS

Advances in the treatment of complex cerebrovascular disorders by interventional neurovascular techniques. Higashida RT, et al. **Circulation** 1991 Feb;83(2 Suppl):1196–206 (53 ref.)

RADIOMETRY

METHODS

Radiation dosimetry using nuclear magnetic resonance: an introductory review. Day MJ. **Phys Med Biol** 1990 Dec; 35(12):1605–9 (9 ref.)

RADIONUCLIDE ANGIOGRAPHY

Appraisal of clinical models based on results of stress nuclear imaging in risk stratification [editorial] Iskandrian AS. **Am Heart J** 1990 Dec;120(6 (Pt 1):1487–90 (24 ref.)
Rest and exercise radionuclide angiography for diagnosis in chronic ischemic heart disease. Gibbons RJ. **Circulation** 1991 Sep;84(3 Suppl):I93–9 (58 ref.)
Infarct sizing by scintigraphic techniques and nuclear magnetic resonance imaging. van der Wall EE, et al. **Eur J Nucl Med** 1990;17(1–2):83–90 (63 ref.)
Role of single photon wall motion and perfusion studies in the evaluation of patients with suspected coronary artery disease. Yaoita H, et al. **Eur J Nucl Med** 1990;17(5):269–78 (98 ref.)

RADIONUCLIDE ANGIOGRAPHY, FIRST-PASS see **VENTRICULOGRAPHY, FIRST-PASS**

RADIONUCLIDE ANGIOGRAPHY, GATED see **GATED BLOOD-POOL IMAGING**

RADIONUCLIDE IMAGING

see related
GAMMA CAMERAS
The clinical application of radiopharmaceuticals. Leeds NE. **Drugs** 1990 Nov;40(5):713–21 (33 ref.)

METHODS

[New techniques of scintigraphic imaging] Chatal JF. **Ann Endocrinol (Paris)** 1990;51(3–4):144–7 (18 ref.) (Eng. Abstr.) **(Fre)**

TRENDS

Towards perfection in radionuclide imaging. Williams ED. **Phys Med Biol** 1990 Nov;35(11):1447–50 (16 ref.)
The development of nuclear medicine imaging. Brownell AL, et al. **Scand J Clin Lab Invest Suppl** 1990;201:119–25 (34 ref.)

VETERINARY

Nuclear medicine artifacts and image quality. Daniel GB. **Semin Vet Med Surg (Small Anim)** 1991 May;6(2):119–30 (21 ref.)
Nuclear medicine equipment. O'Callaghan MW. **Semin Vet Med Surg (Small Anim)** 1991 May;6(2):108–18 (9 ref.)

RADIONUCLIDE TOMOGRAPHY, COMPUTED see **TOMOGRAPHY, EMISSION-COMPUTED**

RADIONUCLIDE TOMOGRAPHY, SINGLE-PHOTON EMISSION-COMPUTED see **TOMOGRAPHY, EMISSION-COMPUTED, SINGLE-PHOTON**

RADIONUCLIDE VENTRICULOGRAPHY

[Study of left ventricular filling by gamma-angiography and echocardiography] Ollivier JP, et al. **Arch Mal Coeur** 1990 Nov;83(12):1817–21 (12 ref.) (Eng. Abstr.) **(Fre)**
[Isolated impairement of the regional filling of the left ventricle in the coronary patient with normal systolic function. A study by isotopic ventriculography during rest] Pézard P, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84(1):63–9 (27 ref.) (Eng. Abstr.) **(Fre)**
[Abnormal origin of the left coronary artery in the adult. Scintigraphic and surgical correlations] Vigneron M, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84(1):113–6 (9 ref.) (Eng. Abstr.) **(Fre)**
[Aortic valve insufficiency. Diagnosis, course, therapy] Klepzig H, et al. **Fortschr Med** 1991 May 20;109(15):313–6 (55 ref.) (Eng. Abstr.) **(Ger)**

RADIONUCLIDE VENTRICULOGRAPHY, FIRST-PASS see **VENTRICULOGRAPHY, FIRST-PASS**

RADIONUCLIDE VENTRICULOGRAPHY, GATED see **GATED BLOOD-POOL IMAGING**

RADIONUCLIDES see **RADIOISOTOPES**

RADIOPAQUE MEDIA see **CONTRAST MEDIA**

RADIORECEPTOR ASSAY see **RADIOLIGAND ASSAY**

RADIOSENSITIVITY see **RADIATION TOLERANCE**

RADIOTHERAPY

Role of adjuvant therapy in colorectal cancer. Hesketh PJ, et al. **Adv Intern Med** 1991;36:219–47 (115 ref.)
Removable partial overdentures for the irradiated patient. Rosenberg SW. **Dent Clin North Am** 1990 Oct;34(4):759–63 (11 ref.)
Non-standard CT scanners: their role in radiotherapy. Webb S. **Int J Radiat Oncol Biol Phys** 1990 Dec;19(6):1589–607 (92 ref.)
Monte Carlo techniques in medical radiation physics. Andreo P. **Phys Med Biol** 1991 Jul;36(7):861–920 (300 ref.)

ADVERSE EFFECTS

Ionizing radiation-induced pemphigus. Case presentations and literature review. Low GJ, et al. **Arch Dermatol** 1990 Oct;126(10):1319–23 (17 ref.)
The late effects of cancer therapy in childhood [editorial] Morris Jones PH. **Br J Cancer** 1991 Jul;64(1):1–2 (25 ref.)
Late complications associated with the treatment of small-cell lung cancer. Feld R. **Cancer Treat Res** 1989; 45:301–23 (112 ref.)
Radiation-associated valvular disease. Carlson RG, et al. **Chest** 1991 Mar;99(3):538–45 (32 ref.)
Postirradiation angiosarcoma of the terminal ileum. Su CC, et al. **Chung Hua I Hsueh Tsa Chih** 1991 Aug;48(2):147–52 (21 ref.)
Radiation enhancement of metastasis: a review. von Essen CF. **Clin Exp Metastasis** 1991 Mar–Apr;9(2):77–104 (165 ref.)
Acute radiation pneumonitis after postmastectomy irradiation: effect of fraction size. Price A, et al. **Clin Oncol (R Coll Radiol)** 1990 Jul;2(4):224–9 (20 ref.)
Survival and management considerations in postirradiation osteosarcoma and Paget's osteosarcoma. Frassica FJ, et al. **Clin Orthop** 1991 Sep;(270):120–7 (24 ref.)
Effects of radiation therapy on skeletal growth in childhood. Goldwein JW. **Clin Orthop** 1991 Jan;(262):101–7 (33 ref.)
Radiation and pagetic osteogenic sarcomas. Healey JH, et al. **Clin Orthop** 1991 Sep;(270):128–34 (25 ref.)
Radiation-induced thyroid tumors. Schneider AB. **Endocrinol Metab Clin North Am** 1990 Sep;19(3):495–508 (42 ref.)
Cancer occurring after radiotherapy and chemotherapy. Holm LE. **Int J Radiat Oncol Biol Phys** 1990 Nov; 19(5):1303–8 (33 ref.)
Intraperitoneal radioactive phosphate in early ovarian carcinoma: an analysis of complications. Walton LA, et al. **Int J Radiat Oncol Biol Phys** 1991 May;20(5):939–44 (32 ref.)
5-Hydroxytryptamine (serotonin) subtype 3 antagonists, a major step in prophylaxis and control of cytostatic and radiation-induced emesis. Bremer K. **J Cancer Res Clin Oncol** 1991;117(1):85–7 (25 ref.)
Secondary neoplasms following cancer treatment with a special emphasis on lung tumors. Klastersky J, et al. **Neoplasma** 1991;38(3):253–6 (13 ref.)
Dactinomycin potentiation of radiation pneumonitis: a forgotten interaction. Cohen IJ, et al. **Pediatr Hematol Oncol** 1991 Apr–Jun;8(2):187–92 (20 ref.)
Late effects of radiation therapy. Constine LS. **Pediatrician** 1991;18(1):37–48 (81 ref.)
Cardiovascular sequelae of therapeutic thoracic radiation. Arsenian MA. **Prog Cardiovasc Dis** 1991 Mar–Apr; 33(5):299–311 (135 ref.)
Complications of radiation therapy: CT evaluation. Bluemke DA, et al. **Radiographics** 1991 Jul;11(4):581–600 (53 ref.)
Head and neck irradiation in childhood: increased risk of developing thyroid disease. Sako K. **Semin Surg Oncol** 1991 Mar–Apr;7(2):112–4 (11 ref.)
[Pemphigus vulgaris induced by radiotherapy] Delaporte E, et al. **Ann Dermatol Venereol** 1991;118(6–7):447–51 (33 ref.) (Eng. Abstr.) **(Fre)**
[Gonadal function after cancer treatments in childhood] Brauner R, et al. **Ann Pediatr (Paris)** 1990 Sep;37(7):437–43 (37 ref.) (Eng. Abstr.) **(Fre)**
[Ostial stenosis of the left main coronary artery after mediastinal radiotherapy. Apropos of a case] Pillière R, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):869–72 (10 ref.) (Eng. Abstr.) **(Fre)**
[Neurologic complications of brain radiotherapy: contribution of experimental studies] Delattre JY, et al. **Bull Cancer (Paris)** 1990;77(7):715–24 (41 ref.) (Eng. Abstr.) **(Fre)**
[Radiation-induced pericarditis. Long-term outcome. 45 cases with thoracotomy and biopsy] Loire R, et al. **Presse Med** 1990 Dec 8;19(42):1931–6 (11 ref.) (Eng. Abstr.) **(Fre)**
[The reaction of the heart to radiation. II. Clinical studies] Adler K, et al. **Radiobiol Radiother (Berl)** 1990;31(6):465–75 (84 ref.) (Eng. Abstr.) **(Ger)**
[Radiotherapy-induced emergencies in the x-ray picture] Wüstenberg H. **Radiobiol Radiother (Berl)** 1990; 31(5):419–25 (19 ref.) (Eng. Abstr.) **(Ger)**
[Cervico-mediastinal complications in cervical surgery and radiotherapy (tracheal excepted)] Redaelli de Zinis LO, et al. **Acta Otorhinolaryngol Ital** 1990;10 Suppl 30:139–55 (126 ref.) **(Ita)**
[An autopsy case of postirradiation cutaneous angiosarcoma of the hip] Okada H, et al. **Gan No Rinsho** 1990 Nov; 36(14):2497–501 (25 ref.) (Eng. Abstr.) **(Jpn)**
[A case of aortoduodenal fistula following radiotherapy of retroperitoneal metastatic disease] Fukasawa H, et al. **Gan To Kagaku Ryoho** 1991 Jan;18(1):119–22 (9 ref.) (Eng. Abstr.) **(Jpn)**
[Two autopsied cases of radiation-induced gliosarcoma] Kawaguchi S, et al. **No Shinkei Geka** 1991 Mar; 19(3):285–90 (18 ref.) (Eng. Abstr.) **(Jpn)**
[A case of delayed radiation lumbo-sacral plexopathy] Numata K, et al. **No To Shinkei** 1990 Jul;42(7):629–33 (20 ref.) (Eng. Abstr.) **(Jpn)**
[Treatment of neoplasms in pregnancy. I] Robak T, et al. **Przegl Lek** 1990;47(7):562–4 (16 ref.) **(Pol)**
[Effects of radiotherapy and chemotherapy on the heart and pericardium in patients with lymphogranulomatosis] Cheban OI, et al. **Kardiologiia** 1991 Feb;31(2):75–8 (79 ref.) **(Rus)**
[The main trends in the pharmacological correction of radiation scleroses] Dubrovskaia VF. **Med Radiol (Mosk)** 1991;36(6):55–7 (42 ref.) **(Rus)**
[A new cancer treatment: better for maintaining sexual function and fertility] Von Euler M. **Lakartidningen** 1990 Dec 12;87(50):4337–9 (13 ref.) **(Swe)**

ECONOMICS

What is the cost of radiotherapy? Goddard MK, et al. **Eur J Radiol** 1991 Jul-Aug;13(1):76-9 (23 ref.)

INSTRUMENTATION

Total perturbation correction factor for PTW and NACP plane parallel chambers in electron beams. Cinos C, et al. **Radiother Oncol** 1991 Jun;21(2):135-40 (13 ref.)

[The physicotechnical support of radiation diagnosis and therapy] Blinov NN, et al. **Med Radiol (Mosk)** 1990 Oct; 35(10):16-21 (51 ref.) **(Rus)**

METHODS

Recent advances in radiotherapy treatment planning. Rosenman J, et al. **Cancer Invest** 1991;9(4):465-81 (104 ref.)

Role of radiation therapy in ovarian cancer. Moore DH. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):64-8 (15 ref.)

The rationale for continuous, hyperfractionated, accelerated radiotherapy (CHART). Dische S, et al. **Int J Radiat Oncol Biol Phys** 1990 Nov;19(5):1317-20 (14 ref.)

The determination of phantom and collimator scatter components of the output of megavoltage photon beams: measurement of the collimator scatter part with a beam-coaxial narrow cylindrical phantom. van Gasteren JJ, et al. **Radiother Oncol** 1991 Apr;20(4):250-7 (27 ref.)

[Modern technics of irradiation of brain tumors in children] Habrand JL, et al. **Bull Cancer (Paris)** 1990;77(7):725-36 (48 ref.) (Eng. Abstr.) **(Fre)**

[Systematization of types and methods of radiotherapy, methods and methodology of irradiating patients] Vaĭnberg MSh. **Med Radiol (Mosk)** 1991;36(7):43-50 (16 ref.) (Eng. Abstr.) **(Rus)**

STANDARDS

Multimodality therapy in advanced cervical carcinoma. Whitney CW. **Curr Opin Obstet Gynecol** 1990 Feb; 2(1):85-91 (12 ref.)

TRENDS

[Current methods of radiotherapy of malignant tumors and prospects for their development] Pereslegin IA, et al. **Vestn Rentgenol Radiol** 1990 May-Jun;(3):19-25 (28 ref.) **(Rus)**

RADIOTHERAPY DOSAGE

see related
DOSE-RESPONSE RELATIONSHIP, RADIATION

Weiss lecture. The dose-rate factor in radiation biology. Hall EJ. **Int J Radiat Biol** 1991 Mar;59(3):595-610 (51 ref.)

High dose rate sources in remote afterloading brachytherapy: implications for intracavitary and interstitial treatment of carcinoma. Syzek EJ, et al. **J Okla State Med Assoc** 1990 Nov;83(11):541-5 (36 ref.)

On methods of inhomogeneity corrections for photon transport. Wong JW, et al. **Med Phys** 1990 Sep-Oct; 17(5):807-14 (21 ref.)

Hypofractionation: lessons from complications. Fletcher GH. **Radiother Oncol** 1991 Jan;20(1):10-5 (28 ref.)

Effect of dose rate on local control and complications in definitive irradiation of T1-2 squamous cell carcinomas of mobile tongue and floor of mouth with interstitial iridium-192. Mazeron JJ, et al. **Radiother Oncol** 1991 May; 21(1):39-47 (41 ref.)

Time-dose factors in radiotherapy: a review of the human data. Thames HD, et al. **Radiother Oncol** 1990 Nov; 19(3):219-35 (78 ref.)

Radiobiological aspects of continuous low dose-rate irradiation and fractionated high dose-rate irradiation. Turesson I. **Radiother Oncol** 1990 Sep;19(1):1-15 (59 ref.)

Code of practice for clinical proton dosimetry. Vynckier S, et al. **Radiother Oncol** 1991 Jan;20(1):53-63 (33 ref.)

The dose to lung in TBI. Quast U. **Strahlenther Onkol** 1991 Mar;167(3):135-51 (126 ref.)

RADIOTHERAPY, HIGH ENERGY

Radiotherapy in the treatment of pancreatic cancer. Dobelbower RR, et al. **Baillieres Clin Gastroenterol** 1990 Dec;4(4):969-83 (81 ref.)

Intraoperative radiation therapy for carcinoma of the stomach and pancreas. Abe M, et al. **Front Radiat Ther Oncol** 1991;25:258-69; discussion 330-3 (11 ref.)

Intraoperative radiotherapy in thoracic tumors. Calvo FA, et al. **Front Radiat Ther Oncol** 1991;25:307-16 (15 ref.)

Intraoperative radiotherapy in gastric and pancreatic carcinoma: a European experience. Calvo FA, et al. **Front Radiat Ther Oncol** 1991;25:270-83 (26 ref.)

Indications for and results of intraoperative irradiation for locally advanced colorectal cancer. Gunderson LL, et al. **Front Radiat Ther Oncol** 1991;25:284-306; discussion 330-3 (66 ref.)

Treatment planning in electron beam therapy. Hogstrom KR. **Front Radiat Ther Oncol** 1991;25:30-52; discussion 61-3 (21 ref.)

Breast cancer: chest wall hyperthermia-electron beam therapy. Kapp DS, et al. **Front Radiat Ther Oncol** 1991; 25:151-68; discussion 180-2 (45 ref.)

Basic physics of electron beam therapy. Khan FM. **Front Radiat Ther Oncol** 1991;25:10-29; discussion 61-3 (15 ref.)

Intraoperative radiation therapy for pancreatic, biliary and gastric carcinoma: the US experience. Merrick HW 3d, et al. **Front Radiat Ther Oncol** 1991;25:246-57 (35 ref.)

Radiobiological aspects of electron beams. Meyn RE, et al. **Front Radiat Ther Oncol** 1991;25:53-60 (11 ref.)

External beam electron therapy: pitfalls in treatment planning and deliverance. Olch A, et al. **Front Radiat Ther Oncol** 1991;25:64-79 (1 ref.)

The 'boost' in the treatment of early-stage breast cancer: electrons versus interstitial implants. Recht A, et al. **Front Radiat Ther Oncol** 1991;25:169-79; discussion 180-2 (22 ref.)

Combined irradiation treatment in breast cancer. Ausili-Cefaro G, et al. **Rays** 1991 Jan-Mar;16(1):17-23 (26 ref.) **(Eng, Ita)**

Indications and results of combined external beam radiation and interstitial radiotherapy in the treatment of carcinoma of the oropharynx. Ausili-Cefaro G, et al. **Rays** 1991 Jan-Mar;16(1):97-106 (42 ref.) **(Eng, Ita)**

Combined brachytherapy and external radiotherapy for carcinoma of the prostate. Experience and results. Ciarniello V, et al. **Rays** 1991 Jan-Mar;16(1):24-30 (30 ref.) **(Eng, Ita)**

Combined external radiotherapy and brachytherapy of brain tumors: a review. De Santis M, et al. **Rays** 1991 Jan-Mar; 16(1):31-5 (14 ref.) **(Eng, Ita)**

Combined external radiotherapy and intracavitary radiotherapy in esophageal carcinoma. Montemaggi P, et al. **Rays** 1991 Jan-Mar;16(1):36-41 (19 ref.) **(Eng, Ita)**

Combined external radiotherapy and Syed's curietherapy in the treatment of carcinoma of the cervix. Montemaggi P, et al. **Rays** 1991 Jan-Mar;16(1):42-7 (9 ref.) **(Eng, Ita)**

Combined external beam irradiation and interstitial radiotherapy of T1-T2 cancers of the mobile tongue and floor of mouth. Montemaggi P, et al. **Rays** 1991 Jan-Mar; 16(1):53-8 (6 ref.) **(Eng, Ita)**

Combined brachytherapy and external beam radiation in soft tissue sarcomas. Salvi G, et al. **Rays** 1991 Jan-Mar; 16(1):92-6 (17 ref.) **(Eng, Ita)**

Non oat cell lung carcinoma: is there a role for combined brachytherapy and external radiotherapy? Trodella L, et al. **Rays** 1991 Jan-Mar;16(1):64-70 (19 ref.) **(Eng, Ita)**

Combined treatment in pancreatic carcinoma: review of literature. Trodella L, et al. **Rays** 1991 Jan-Mar;16(1):76-81 (19 ref.) **(Eng, Ita)**

Combined brachytherapy and external beam radiation in the treatment of anal and rectal carcinoma. Valentini V, et al. **Rays** 1991 Jan-Mar;16(1):82-91 (44 ref.) **(Eng, Ita)**

ADVERSE EFFECTS

Ichthyosiform scaling secondary to megavoltage radiotherapy. Ross EV. **Cutis** 1991 Jul;48(1):59-60 (5 ref.)

INSTRUMENTATION

The gamma knife: implications for nursing practice and patient education. Neatherlin JS, et al. **J Neurosci Nurs** 1991 Feb;23(1):71-4 (12 ref.)

Analytic representation of the backscatter correction factor at the exit of high energy photon beams. Kappas K, et al. **Radiother Oncol** 1991 Jun;21(2):128-34 (14 ref.)

The determination of phantom and collimator scatter components of the output of megavoltage photon beams: measurement of the collimator scatter part with a beam-coaxial narrow cylindrical phantom. van Gasteren JJ, et al. **Radiother Oncol** 1991 Apr;20(4):250-7 (27 ref.)

METHODS

Treatment of orbital lymphoid tumors with electron beams. Donaldson SS, et al. **Front Radiat Ther Oncol** 1991; 25:187-200 (15 ref.)

Apparatus, technique and dosimetry of intraoperative electron beam therapy. Jones D. **Front Radiat Ther Oncol** 1991;25:233-45 (29 ref.)

Electron beam therapy in children. Kun LE. **Front Radiat Ther Oncol** 1991;25:201-6; discussion 207-8 (0 ref.)

Surgical aspects of intraoperative radiation therapy. Merrick HW 3d. **Front Radiat Ther Oncol** 1991;25:209-23 (26 ref.)

Electron beam: the management of head and neck cancer. Million RR, et al. **Front Radiat Ther Oncol** 1991;25:107-27; discussion 132-3 (8 ref.)

Surgical aspects of intraoperative electron beam therapy. Owens JC, et al. **Front Radiat Ther Oncol** 1991;25:224-32 (2 ref.)

Management of vulvar cancer. Perez CA. **Front Radiat Ther Oncol** 1991;25:183-6; discussion 207-8 (3 ref.)

Electron arc therapy of the chest wall for breast cancer: rationale, dosimetry, and clinical aspects. Stewart JR, et al. **Front Radiat Ther Oncol** 1991;25:134-50 (41 ref.)

RADIOTHERAPY, INTERSTITIAL see **BRACHYTHERAPY**

RADIOTHERAPY, INTRACAVITY see **BRACHYTHERAPY**

RADIOTHERAPY, LYMPHATIC see **LYMPHATIC IRRADIATION**

RADIOTHERAPY PLANNING, COMPUTER-ASSISTED

Treatment planning in electron beam therapy. Hogstrom KR. **Front Radiat Ther Oncol** 1991;25:30-52; discussion 61-3 (21 ref.)

External beam electron therapy: pitfalls in treatment planning and deliverance. Olch A, et al. **Front Radiat Ther Oncol** 1991;25:64-79 (1 ref.)

Three-dimensional conformal treatment: a new frontier in radiation therapy. Fuks Z, et al. **Important Adv Oncol** 1991; :151-72 (132 ref.)

Tolerance of normal tissue to therapeutic irradiation. Emami B, et al. **Int J Radiat Oncol Biol Phys** 1991 May 15; 21(1):109-22 (197 ref.)

The biological basis for conformal three-dimensional radiation therapy [see comments] Leibel SA, et al. **Int J Radiat Oncol Biol Phys** 1991 Aug;21(3):805-11 (71 ref.) Comment in: Int J Radiat Oncol Biol Phys 1991 Aug;21(3):853-5.

METHODS

On methods of inhomogeneity corrections for photon transport. Wong JW, et al. **Med Phys** 1990 Sep-Oct; 17(5):807-14 (21 ref.)

Three-dimensional motion analysis of an improved head immobilization system for simulation, CT, MRI, and PET imaging. Thornton AF Jr, et al. **Radiother Oncol** 1991 Apr; 20(4):224-8 (16 ref.)

RADIOTHERAPY, SURFACE see **BRACHYTHERAPY**

RADIUS

Classification of distal radioulnar joint disorders. Nathan R, et al. **Hand Clin** 1991 May;7(2):239-47 (102 ref.)

[Osteoid osteoma of the distal end of the radius. Review of the literature in light of a case] Clermont D, et al. **Ann Chir Main Memb Super** 1991;10(2):146-7 (18 ref.) (Eng. Abstr.) **(Fre)**

[Giant-cell tumor of the lower end of the radius treated by resection-arthrodesis. Report of 9 cases] Tomeno B, et al. **Rev Chir Orthop** 1990;76(6):420-4 (15 ref.) (Eng. Abstr.) **(Fre)**

ABNORMALITIES

Baller-Gerold syndrome: an 11th case of craniosynostosis and radial aplasia. Boudreaux JM, et al. **Am J Med Genet** 1990 Dec;37(4):447-50 (10 ref.)

Management of radial dysplasia. Urban MA, et al. **Hand Clin** 1990 Nov;6(4):589-605 (100 ref.)

[Acrocallosal syndrome--an autopsy case report and literature review] Li JW, et al. **Chung Hua I Hsueh Tsa Chih** 1991 Aug;48(2):139-46 (58 ref.) (Eng. Abstr.) **(Chi)**

GROWTH & DEVELOPMENT

Remodeling of the skeletally immature distal radius. Perona PG, et al. **J Orthop Trauma** 1990;4(3):356-61 (28 ref.)

INJURIES

Acute injuries of the distal radioulnar joint. Aulicino PL, et al. **Hand Clin** 1991 May;7(2):283-93 (46 ref.)

Posterior radial head dislocation without ulnar fracture. Pereles DJ, et al. **J Orthop Trauma** 1990;4(4):458-62 (14 ref.)

RADIOGRAPHY

Imaging of the distal radioulnar joint. Burk DL Jr, et al. **Hand Clin** 1991 May;7(2):263-75 (26 ref.)

SURGERY

[Corrective osteotomy of malunited distal radius fractures] Oestern HJ, et al. **Orthopade** 1990 Nov;19(6):343-9 (52 ref.) (Eng. Abstr.) **(Ger)**

RADIUS FRACTURES

Fractures of the distal end of the radius. Jupiter JB. **J Bone Joint Surg [Am]** 1991 Mar;73(3):461-9 (103 ref.)

COMPLICATIONS

Flexor pollicis longus rupture after fracture of the distal radius. Ashall G. **Injury** 1991 Mar;22(2):153-5 (15 ref.)

[Corrective osteotomy of malunited distal radius fractures] Oestern HJ, et al. **Orthopade** 1990 Nov;19(6):343-9 (52 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Displaced fractures of the head and neck of the radius in children: open reduction and temporary transarticular internal fixation. Rodriguez Merchan EC. **Orthopedics** 1991 Jun;14(6):697-700 (16 ref.)

THERAPY

Treatment of forearm fractures by Hoffman external fixation.

A study of 93 patients. Schuind F, et al. **Clin Orthop** 1991 May;(266):197–204 (77 ref.)

RADON

Seasonal indoor radon variations related to precipitation. Mose DG, et al. **Environ Mol Mutagen** 1991;17(4):223–30 (40 ref.)

ADVERSE EFFECTS

Occupational and environmental exposures to radon: cancer risks. Axelson O. **Annu Rev Public Health** 1991;12:235–55 (109 ref.)

Methodology issues in risk assessment for radon. Harley NH. **Environ Health Perspect** 1991 Jan;90:177–80 (16 ref.)

Cancer risks from exposure to radon progeny in mines and dwellings. Axelson O. **Recent Results Cancer Res** 1990; 120:146–65 (91 ref.)

[Radiation risk of the patient in radon therapy] Schüttmann W. **Z Arztl Fortbild (Jena)** 1990;84(24):1244–9 (30 ref.) **(Ger)**

ANALYSIS

Radon and health [see comments] Bowie C, et al. **Lancet** 1991 Feb 16;337(8738):409–13 (42 ref.) Comment in: Lancet 1991 Mar 23;337(8743):732.

THERAPEUTIC USE

[Air radon baths in the USSR. The research studies and their use] Bogoliubov VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1990 Sep–Oct; (5):58–64 (70 ref.) **(Rus)**

TOXICITY

Risks from radon progeny exposure: what we know, and what we need to know. Guilmette RA, et al. **Annu Rev Pharmacol Toxicol** 1991;31:569–601 (197 ref.)

RAEB see **ANEMIA, REFRACTORY, WITH EXCESS OF BLASTS**

RAEM see **ANEMIA, REFRACTORY, WITH EXCESS OF BLASTS**

RAILLIETINA see **CESTODA**

RAILLIETINIASIS see **CESTODE INFECTIONS**

RAIN

Seasonal indoor radon variations related to precipitation. Mose DG, et al. **Environ Mol Mutagen** 1991;17(4):223–30 (40 ref.)

RALES see **RESPIRATORY SOUNDS**

RAMPS see **ARCHITECTURAL ACCESSIBILITY**

RAMSAY HUNT SYNDROME see **CEREBELLAR DYSSYNERGIA**

RANDOMIZED CONTROLLED TRIALS

The ethics of randomization. Kodish E, et al. **CA** 1991 May–Jun;41(3):180–6 (22 ref.)

Tropical trials and tribulations. Hall AJ, et al. **Int J Epidemiol** 1990 Dec;19(4):777–81 (27 ref.)

Randomized clinical trials: what can we expect? Hobson RW 2d. **J Vasc Surg** 1991 Apr;13(4):539–43 (26 ref.)

Randomized clinical trials: enough bang for the buck? Strandness DE Jr. **J Vasc Surg** 1991 Apr;13(4):544–8 (11 ref.)

Randomized clinical trials and public health: a review of current trends. Dumitrașcu DL, et al. **Sante Publique (Bucur)** 1990 Jan–Mar;33(1):17–23 (21 ref.)

[Meta-analysis of controlled trials] Leibovici L. **Harefuah** 1990 Nov 15;119(10):332–3 (14 ref.) **(Heb)**

METHODS

From the parallel group design to the crossover design, and from the group approach to the individual approach. Ménard J, et al. **Am J Hypertens** 1990 Oct;3(10):815–9 (34 ref.)

Statistical management of data in clinical research. Fleiss JL, et al. **Crit Rev Oral Biol Med** 1990;1(1):55–66 (44 ref.)

Randomized trials of induction chemotherapy. A critical review. Forastiere AA. **Hematol Oncol Clin North Am** 1991 Aug;5(4):725–36 (38 ref.)

A methodological review of non-therapeutic intervention trials employing cluster randomization, 1979–1989. Donner A, et al. **Int J Epidemiol** 1990 Dec;19(4):795–800 (29 ref.)

Geriatric evaluation and management units: experimental methods for evaluating efficacy. Feussner JR. **J Am Geriatr Soc** 1991 Sep;39(9 Pt 2):19S–24S (17 ref.)

Attrition in substance abuse comparative treatment research: the illusion of randomization. Howard KI, et al. **NIDA Res Monogr** 1990;104:66–79 (26 ref.)

STATISTICS & NUMERICAL DATA

Statistical management of data in clinical research. Fleiss JL, et al. **Crit Rev Oral Biol Med** 1990;1(1):55–66 (44 ref.)

Randomization, statistics, and causal inference [see comments] Greenland S. **Epidemiology** 1990 Nov; 1(6):421–9 (36 ref.) Comment in: Epidemiology 1990 Nov;1(6):417–8.

[Meta-analysis of clinical trials] Pignon JP, et al. **Gastroenterol Clin Biol** 1991;15(3):229–38 (31 ref.) **(Fre)**

[How to deal with equivocal subjects in statistical analysis of randomized controlled trials] Hamajima N, et al. **Nippon Gan Chiryo Gakkai Shi** 1990 Aug 20;25(8):1537–42 (11 ref.) (Eng. Abstr.) **(Jpn)**

TRENDS

Is there an alternative to the randomized controlled trial? Leber P. **Psychopharmacol Bull** 1991;27(1):3–8 (6 ref.)

RANGE OF MOTION, ARTICULAR

Radiologic evaluation of hand and wrist motion. Bond JR, et al. **Hand Clin** 1991 Feb;7(1):113–23 (23 ref.)

Normative database for trunk range of motion, strength, velocity, and endurance with the Isostation B-200 Lumbar Dynamometer. Gomez T, et al. **Spine** 1991 Jan;16(1):15–21 (49 ref.)

PHYSIOLOGY

Dislocation after primary arthroplasty for subcapital fracture of the hip. Wide range of movement is a risk factor. Gregory RJ, et al. **J Bone Joint Surg [Br]** 1991 Jan; 73(1):11–2 (15 ref.)

RANITIDINE

ADVERSE EFFECTS

Side effects of ranitidine. Vial T, et al. **Drug Saf** 1991 Mar–Apr;6(2):94–117 (273 ref.)

ANALYSIS

Chromatographic methods for determining the identity, strength and purity of ranitidine hydrochloride both in the drug substance and its dosage forms--an exercise in method selection, development, definition and validation. Evans MB, et al. **J Pharm Biomed Anal** 1989;7(1):1–22 (50 ref.)

PHARMACOLOGY

Ranitidine–theophylline interaction--fact or fiction? Hegman GW, et al. **DICP** 1991 Jan;25(1):21–5 (20 ref.)

Gastrin and gastric enterochromaffin-like cell carcinoids in the rat. Carlsson E, et al. **Digestion** 1990;47 Suppl 1:17–23; discussion 49–52 (16 ref.)

[Histamine H2 receptor blockaders: possibilities and prognosis in the use of stage III–IV preparations in the therapy of internal diseases] Miagkova LP, et al. **Klin Med (Mosk)** 1991 Mar;69(3):27–34 (53 ref.) **(Rus)**

THERAPEUTIC USE

Acid secretory changes and early relapse following duodenal ulcer healing with ranitidine or sucralfate. Marks IN, et al. **Am J Med** 1991 Aug 8;91(2A):95S–101S (35 ref.)

RANULA

DIAGNOSIS

Submandibular cystic hygroma resembling a plunging ranula in a neonate. Review and report of a case. Osborne TE, et al. **Oral Surg Oral Med Oral Pathol** 1991 Jan;71(1):16–20 (31 ref.)

RANVIER'S NODES

PHYSIOLOGY

Role of inactivation in local anesthetic action. Khodorov BI. **Ann N Y Acad Sci** 1991;625:224–48 (67 ref.)

The gating current of the node of Ranvier. Meves H. **Ion Channels** 1990;2:65–121 (121 ref.)

The inactivation of sodium channels in the node of Ranvier and its chemical modification. Ulbricht W. **Ion Channels** 1990;2:123–68 (221 ref.)

RAPE

The pathology and medicolegal aspects of sexual activity. Eckert WG, et al. **Am J Forensic Med Pathol** 1991 Mar; 12(1):3–15 (30 ref.)

DIAGNOSIS

Emergency management of the adult female rape victim. Beebe DK. **Am Fam Physician** 1991 Jun;43(6):2041–6 (17 ref.)

PSYCHOLOGY

Reality therapy with rape victims. McArthur MJ. **Arch Psychiatr Nurs** 1990 Dec;4(6):360–5 (37 ref.)

[Psychological reactions of women to rape. Review of the literature] Helland A, et al. **Tidsskr Nor Laegeforen** 1991 Feb 10;111(4):466–8 (22 ref.) (Eng. Abstr.) **(Nor)**

RAPESEED see **BRASSICA**

RAPHE NUCLEI

PHYSIOLOGY

[The role of negative feedback modulating pain of nucleus raphe magnus in electroacupuncture analgesia] Liu X. **Chen Tzu Yen Chiu** 1990;15(3):159–66 (39 ref.) (Eng. Abstr.) **(Chi)**

[Relationship between neurons in the nucleus raphe magnus and motor reflex evoked by noxious stimulation] Zou T, et al. **Chen Tzu Yen Chiu** 1990;15(3):173–6 (19 ref.) (Eng. Abstr.) **(Chi)**

RAPID EYE MOVEMENTS see **SLEEP, REM**

RAS GENES see **GENES, RAS**

RAS ONCOGENE PROTEIN P21 see **ONCOGENE PROTEIN P21(RAS)**

RAS PROTO-ONCOGENE PROTEIN P21 see **PROTO-ONCOGENE PROTEIN P21(RAS)**

RATIONING, HEALTH CARE see **HEALTH CARE RATIONING**

RATS

Animal models of obesity: genetic aspects. Johnson PR, et al. **Annu Rev Nutr** 1991;11:325–53 (220 ref.)

Microbiological and immunological aspects of experimental periodontal disease in rats: a review article. Klausen B. **J Periodontol** 1991 Jan;62(1):59–73 (142 ref.)

Antiarrhythmic effects of fish oils. Charnock JS. **World Rev Nutr Diet** 1991;66:278–91 (56 ref.)

[Genetically hypertensive rats: a model for essential arterial hypertension] Grana DR, et al. **Medicina (B Aires)** 1989; 49(4):379–86 (82 ref.) **(Spa)**

ANATOMY & HISTOLOGY

Innervation of the rat thymus gland. Kendall MD, et al. **Brain Behav Immun** 1991 Mar;5(1):9–28 (59 ref.)

GENETICS

Transgenic rats: a discussion. Heideman J. **Biotechnology** 1991;16:325–32 (4 ref.)

GROWTH & DEVELOPMENT

The development of the rat prefrontal cortex. Its size and development of connections with thalamus, spinal cord and other cortical areas. van Eden CG, et al. **Prog Brain Res** 1990;85:169–83 (64 ref.)

IMMUNOLOGY

The neuroimmune link in the bronchus-associated lymphoid tissue (BALT) of cat and rat: peptides and neural markers. Nohr D, et al. **Brain Behav Immun** 1991 Mar;5(1):84–101 (70 ref.)

METABOLISM

The rat as a drug residue bioavailability model. Gallo-Torres HE. **Drug Metab Rev** 1990;22(6–8):707–51 (56 ref.)

Species-specific changes in the metabolic control of food intake: integrating the animal with its environment. Bartness TJ. **Int J Obes** 1990;14 Suppl 3:115–23; discussion 123–4 (51 ref.)

Granule chymases and the characterization of mast cell phenotype and function in rat and mouse. Miller HR, et al. **Monogr Allergy** 1990;27:1–30 (71 ref.)

Dietary carbohydrate source and copper bioavailability. O'Dell BL. **Nutr Rev** 1990 Dec;48(12):425–34 (31 ref.)

Circadian rhythm of serotonin binding in rat brain. Wesemann W, et al. **Prog Neurobiol** 1990;35(6):405–28 (210 ref.)

PHYSIOLOGY

[The participation of catecholaminergic systems in regulating the spontaneous motor activity of rat pups] Bursian AV, et al. **Usp Fiziol Nauk** 1991 Jan–Feb;22(1):3–19 (78 ref.) **(Rus)**

RATS, ATHYMIC see **RATS, NUDE**

RATS, BANDICOOT see **MURIDAE**

RATS, INBRED CDF see **RATS, INBRED F344**

RATS, INBRED F344

[Characteristics of F344 rats in a stand-point of naturally occurring neoplastic and non-neoplastic lesions] Maekawa A. **Jikken Dobutsu** 1990 Oct;39(4):507–17 (41 ref.) **(Jpn)**

RATS, INBRED FISCHER 344 see **RATS, INBRED F344**

RATS, INBRED LEW

[Immunopathogenesis of Borna disease] Stitz L, et al. **Tierarztl Prax** 1991 Jun;19(3):267–70 (23 ref.) (Eng. Abstr.) **(Ger)**

RATS, INBRED LEWIS see **RATS, INBRED LEW**

RATS, INBRED SHR

GENETICS

Transgenic rats: new animal models in hypertension research. Invited lecture. Ganten D, et al. **Hypertension** 1991 Jun; 17(6 Pt 2):843–55 (80 ref.)

Genealogy of the spontaneously hypertensive rat and Wistar–Kyoto rat strains: implications for studies of inherited hypertension. Louis WJ, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S1–5 (23 ref.)

[Genetic abnormalities in cultured cutaneous fibroblasts in SHR rats] Guicheney P, et al. **Arch Mal Coeur** 1990 Jul; 83(8):1301–3 (10 ref.) (Eng. Abstr.) **(Fre)**

RATS, INBRED STRAINS

The BHE rat: an animal model for the study of non-insulin-dependent diabetes mellitus. Berdanier CD. **FASEB J** 1991 May;5(8):2139–44 (51 ref.)

METABOLISM

[The in vivo production of corticosteroids by the adrenals in rats of the SSHR hypertensive strain] Kotlobaĭ AA, et al. **Biol Nauki** 1990;(6):60–75 (67 ref.) (Eng. Abstr.) **(Rus)**

RATS, INBRED WKY

GENETICS

Genealogy of the spontaneously hypertensive rat and Wistar–Kyoto rat strains: implications for studies of inherited hypertension. Louis WJ, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S1–5 (23 ref.)

RATS, LABORATORY see **RATS**

RATS, MUTANT STRAINS

PHYSIOLOGY

Sympathetic neural contribution to salt-induced hypertension in Dahl rats. Mark AL. **Hypertension** 1991 Jan;17(1 Suppl):I86–90 (39 ref.)

RATS, NORWAY see **RATS**

RATS, NUDE

ANATOMY & HISTOLOGY

Differences between lymph node structure and function in normal and athymic rats. Fossum S. **Curr Top Pathol** 1990; 84 (Pt 1):65–83 (78 ref.)

IMMUNOLOGY

The athymic nude rat. Immunobiological characteristics with special reference to establishment of non-antigen-specific T-cell reactivity and induction of antigen-specific immunity. Hougen HP. **APMIS Suppl** 1991;21:1–39 (104 ref.)

RATS, SAND see **GERBILLINAE**

RATS, SPONTANEOUSLY HYPERTENSIVE see **RATS, INBRED SHR**

RATS, SPRAGUE-DAWLEY see **RATS, INBRED STRAINS**

RATS, WISTAR see **RATS, INBRED STRAINS**

RATS, WISTAR KYOTO see **RATS, INBRED WKY**

RATTLESNAKE VENOMS see **CROTALID VENOMS**

RATTUS see **MURIDAE**

RATTUS NORVEGICUS see **RATS**

RAUWOLSCINE see **YOHIMBINE**

RAYNAUD'S DISEASE

Raynaud's phenomenon. Belch JJ. **Curr Opin Rheumatol** 1989 Dec;1(4):490–8 (30 ref.)

Raynaud's phenomenon. An update. Coffman JD. **Hypertension** 1991 May;17(5):593–602 (84 ref.)

[Vascular acrosyndromes] Priollet P, et al. **Agressologie** 1990 Apr;31(4):212–8 (14 ref.) **(Fre)**

[Raynaud's phenomenon, disease or syndrome. Present concepts of etiopathogenesis and therapy] Popović M, et al. **Vojnosanit Pregl** 1990 Nov–Dec;47(6):435–41 (39 ref.) **(Ser)**

DRUG THERAPY

Use of nifedipine in hypertension and Raynaud's phenomenon. Kiowski W, et al. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 5:935–40 (30 ref.)

PATHOLOGY

Raynaud's phenomenon. Belch JJ. **Curr Opin Rheumatol** 1990 Dec;2(6):937–41 (26 ref.)

PHYSIOPATHOLOGY

Physiological mechanisms of temperature biofeedback. Freedman RR. **Biofeedback Self Regul** 1991 Jun; 16(2):95–115 (54 ref.)

Pathogenesis and treatment of Raynaud's phenomenon. Coffman JD. **Cardiovasc Drugs Ther** 1990 Jan;4 Suppl 1:45–51 (60 ref.)

Raynaud's phenomenon. Belch JJ. **Curr Opin Rheumatol** 1989 Dec;1(4):490–8 (30 ref.)

Raynaud's disease: an update. Varon J, et al. **Hosp Pract [Off]** 1991 Jan 15;26(1):157–9 (8 ref.)

THERAPY

Raynaud's syndrome. Using a range of therapies to help patients. Marcus S, et al. **Postgrad Med** 1991 Mar; 89(4):171–4, 179, 182 passim (11 ref.)

RAZOXANE

PHARMACOLOGY

Evidence of the selective alteration of anthracycline activity due to modulation by ICRF-187 (ADR-529). Green MD, et al. **Pharmacol Ther** 1990;48(1):61–9 (76 ref.)

RB GENES see **GENES, RETINOBLASTOMA**

RB PROTEIN see **RETINOBLASTOMA PROTEIN**

REACTANTS, ACUTE PHASE see **ACUTE PHASE PROTEINS**

REACTION, ACUTE PHASE see **ACUTE PHASE REACTION**

REACTION CENTER PROTEIN, BACTERIAL see **PHOTOSYNTHETIC REACTION CENTER, BACTERIAL**

REACTION CENTER PROTEIN, PLANT see **PHOTOSYNTHETIC REACTION CENTER, PLANT**

REACTION TIME

Short-latency evoked magnetic fields from the human auditory brainstem. Erné SN, et al. **Adv Neurol** 1990; 54:167–76 (17 ref.)

Long-latency auditory evoked magnetic fields. Mäkelä JP, et al. **Adv Neurol** 1990;54:177–91 (76 ref.)

Color CRT characterization presented solely in terms of the CIE system. Neri DF. **Percept Mot Skills** 1990 Aug; 71(1):51–64 (26 ref.)

Developmental change in speed of processing during childhood and adolescence. Kail R. **Psychol Bull** 1991 May; 109(3):490–501 (90 ref.)

[Action and reaction elements as performance-modifying components of computer use in clinical psychology] Weber P, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Dec; 42(12):755–60 (5 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Internal and external control: a two-factor model of amplitude change of event-related potentials. Kok A. **Acta Psychol (Amst)** 1990 Aug;74(2–3):203–36 (100 ref.)

A recruitment theory of force-time relations in the production of brief force pulses: the parallel force unit model. Ulrich R, et al. **Psychol Rev** 1991 Apr;98(2):268–94 (95 ref.)

Sleep in old age: focus on gender differences. Rediehs MH, et al. **Sleep** 1990 Oct;13(5):410–24 (56 ref.)

[Review of the significance of early auditory evoked potentials in diagnosis of neurologic diseases in childhood] Mattigk G. **Kinderarztl Prax** 1991 Mar;59(3):60–3 (16 ref.) (Eng. Abstr.) **(Ger)**

[Event-related potentials in psychiatry—methodologic principles] Münte F, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Nov; 42(11):649–59 (50 ref.) (Eng. Abstr.) **(Ger)**

[Latent foci of excitation and the unpredictability of behavioral reactions] Pavlygina RA. **Zh Vyssh Nerv Deiat** 1990 Nov–Dec;40(6):1080–8 (22 ref.) (Eng. Abstr.) **(Rus)**

REACTIVE DISORDERS see **ADJUSTMENT DISORDERS**

REACTIVE SITE see **BINDING SITES**

READING

see related
DYSLEXIA, ACQUIRED

Acquisition of word meanings from context by deaf readers. Davey B, et al. **Am Ann Deaf** 1990 Jul;135(3):227–34 (68 ref.)

Computer access for persons who are blind or visually impaired: human factors issues. Griffith D. **Hum Factors** 1990 Aug;32(4):467–75 (14 ref.)

The gap between patient reading comprehension and the readability of patient education materials. Davis TC, et al. **J Fam Pract** 1990 Nov;31(5):533–8 (26 ref.)

Half a century of research on the Stroop effect: an integrative review. MacLeod CM. **Psychol Bull** 1991 Mar; 109(2):163–203 (425 ref.)

Word identification in reading and the promise of subsymbolic psycholinguistics. Van Orden GC, et al. **Psychol Rev** 1990 Oct;97(4):488–522 (350 ref.)

[Tachistoscopic reading of arabic words] Belin C, et al. **J Fr Ophtalmol** 1990;13(5):299–301 (9 ref.) (Eng. Abstr.) **(Fre)**

[Eye movements during normal reading and in dyslexia—review of the literature] Ygge J. **Lakartidningen** 1990 Oct 3;87(40):3183–7 (41 ref.) **(Swe)**

READING DISABILITY, ACQUIRED see **DYSLEXIA, ACQUIRED**

READING DISABILITY, DEVELOPMENTAL see **DYSLEXIA**

REAGENT KITS, DIAGNOSTIC

VETERINARY

[Studies on the development of an ELISA kit for microbiological monitoring of laboratory animals] Takakura A, et al. **Jikken Dobutsu** 1991 Jan;40(1):7–15 (27 ref.) **(Jpn)**

REAGENTS see **INDICATORS AND REAGENTS**

REAL-TIME SYSTEMS see **COMPUTER SYSTEMS**

REALITY TESTING

Reality testing, the self and the brain as modular distributed systems. Grigsby J, et al. **Psychiatry** 1991 Feb;54(1):39–54 (70 ref.)

Perspectival appearing and Gibson's theory of visual perception. Natsoulas T. **Psychol Res** 1990;52(4):291–8 (26 ref.)

REALITY THERAPY

Reality therapy with rape victims. McArthur MJ. **Arch Psychiatr Nurs** 1990 Dec;4(6):360–5 (37 ref.)

REC A PROTEIN

Monoclonal antibodies and mechanistic studies on recA protein. Shibata T, et al. **Biochimie** 1991 Feb–Mar; 73(2–3):209–17 (54 ref.)

CHEMISTRY

Helical interactions in homologous pairing and strand exchange driven by RecA protein. Radding CM. **J Biol Chem** 1991 Mar 25;266(9):5355–8 (25 ref.)

GENETICS

General microbiology of recA: environmental and evolutionary significance. Miller RV, et al. **Annu Rev Microbiol** 1990;44:365–94 (161 ref.)

The RecA protein: structure and function. Roca AI, et al. **Crit Rev Biochem Mol Biol** 1990;25(6):415–56 (192 ref.)

METABOLISM

Regulation in repressor inactivation by RecA protein. Ogawa H, et al. **Adv Biophys** 1990;26:33–49 (16 ref.)

Biochemistry of genetic recombination: energetics and mechanism of DNA strand exchange. Kowalczykowski SC. **Annu Rev Biophys Biophys Chem** 1991;20:539–75 (123 ref.)

Biochemical and biological function of Escherichia coli RecA protein: behavior of mutant RecA proteins. Kowalczykowski SC. **Biochimie** 1991 Feb–Mar; 73(2–3):289–304 (109 ref.)

RecA–DNA helical filaments in genetic recombination. Stasiak AZ, et al. **Biochimie** 1991 Feb–Mar;73(2–3):199–208 (31 ref.)

Co-ordination of multiple DNA molecules in RecA fiber evidenced by linear dichroism spectroscopy. Takahashi M, et al. **Biochimie** 1991 Feb–Mar;73(2–3):219–26 (39 ref.)

RecA protein in the SOS response: milestones and mysteries. Witkin EM. **Biochimie** 1991 Feb–Mar;73(2–3):133–41 (73 ref.)

RECA PROTEIN see **REC A PROTEIN**

RECALL

Changes in memory processes of dementia patients. Zandi T. **Adv Exp Med Biol** 1990;282:89–100 (57 ref.)
Perspectives on relational learning in mental retardation. Green G, et al. **Am J Ment Retard** 1990 Nov;95(3):249–59 (55 ref.)
Implicit memory. Retention without remembering. Roediger HL 3d. **Am Psychol** 1990 Sep;45(9):1043–56 (105 ref.)
Memory and aging: four hypotheses in search of data. Light LL. **Annu Rev Psychol** 1991;42:333–76 (315 ref.)
Cue–exposure interventions for alcohol relapse prevention: need for a memory modification component. Sussman S, et al. **Int J Addict** 1990 Aug;25(8):921–9 (28 ref.)
Trauma and nostalgia: new aspects on the coping of aging Holocaust survivors. Hertz DG.
Isr J Psychiatry Relat Sci 1990;27(4):189–98 (26 ref.)
Cognitive–perceptual theory and the projective use of autobiographical memory. Bruhn AR. **J Pers Assess** 1990 Fall;55(1–2):95–114 (16 ref.)
New approaches to the study of comparative cognition. Kesner RP. **NIDA Res Monogr** 1990;97:22–36 (33 ref.)
An heuristic for the study of the effects of emotion on memory. Whissell C. **Percept Mot Skills** 1991 Feb; 72(1):3–10 (15 ref.)
A review of the tip–of–the–tongue experience. Brown AS. **Psychol Bull** 1991 Mar;109(2):204–23 (95 ref.)
Differing approaches to two–dimensional shape recognition. Quinlan PT. **Psychol Bull** 1991 Mar;109(2):224–41 (140 ref.)
Odor memory: taking stock. Schab FR. **Psychol Bull** 1991 Mar;109(2):242–51 (85 ref.)
Word identification in reading and the promise of subsymbolic psycholinguistics. Van Orden GC, et al. **Psychol Rev** 1990 Oct;97(4):488–522 (350 ref.)
Ageing and life history: the meaning of reminiscence in late life. Coleman PG. **Sociol Rev [Monogr]** 1991;(37):120–43 (50 ref.)
The representational bias of acquired memory processes. Herrmann DJ. **Z Psychol** 1990;198(2):265–81 (110 ref.)
[The concept of amnesia and quantitative assessment of amnesic disorders] Metzler P, et al.
Fortschr Neurol Psychiatr 1991 Jun;59(6):207–15 (75 ref.) (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Conditioning as a critical determinant of sensitization induced by psychomotor stimulants. Pert A, et al.
NIDA Res Monogr 1990;97:208–41 (135 ref.)
Alcoholism and memory: broadening the scope of alcohol–expectancy research [see comments] Goldman MS, et al. **Psychol Bull** 1991 Jul;110(1):137–46 (90 ref.)
Comment in: Psychol Bull 1991 Jul;110(1):147–54.
On the scope of alcohol expectancy research: remaining issues of measurement and meaning [comment] Leigh BC, et al. **Psychol Bull** 1991 Jul;110(1):147–54 (60 ref.)
Comment on: Psychol Bull 1991 Jul;110(1):137–46.

PHYSIOLOGY

Plasticity of memory functioning in normal aging and Alzheimer's disease. Bäckman L.
Acta Neurol Scand Suppl 1990;129:32–6 (19 ref.)
Recall of events by preverbal children. Mandler JM.
Ann N Y Acad Sci 1990;608:485–503; discussion 503–16 (56 ref.)
Cholinergic–dopaminergic interactions in cognitive performance. Levin ED, et al. **Behav Neural Biol** 1990 Nov; 54(3):271–99 (200 ref.)

RECEIVER OPERATING CHARACTERISTIC see ROC CURVE

RECEPTOR AGGREGATION

The submembrane machinery for nicotinic acetylcholine receptor clustering. Froehner SC. **J Cell Biol** 1991 Jul; 114(1):1–7 (78 ref.)

RECEPTOR, COMPLEMENT 3 see MACROPHAGE–1 ANTIGEN

RECEPTOR, MACROPHAGE COLONY–STIMULATING FACTOR

PHYSIOLOGY

Regulation of cell growth and differentiation by the colony–stimulating factor 1 receptor. Sherr CJ, et al.
Semin Hematol 1991 Apr;28(2):143–51 (77 ref.)

RECEPTOR–MEDIATED SIGNAL TRANSDUCTION see SIGNAL TRANSDUCTION

RECEPTOR, N–METHYL–D–ASPARTATE

ANTAGONISTS & INHIBITORS

Sites for antagonism on the N–methyl–D–aspartate receptor channel complex. Wong EH, et al.
Annu Rev Pharmacol Toxicol 1991;31:401–25 (183 ref.)
Do NMDA antagonists protect against cerebral ischemia: are clinical trials warranted? Buchan AM.
Cerebrovasc Brain Metab Rev 1990 Spring;2(1):1–26 (102 ref.)
Results of N–methyl–D–aspartate antagonists in perinatal cerebral asphyxia therapy. Ford LM. **Pediatr Neurol** 1990 Nov–Dec;6(6):363–6 (50 ref.)
CGP 37849 and CGP 39551: novel competitive N–methyl–D–aspartate receptor antagonists with potent oral anticonvulsant activity. Fagg GE, et al.
Prog Clin Biol Res 1990;361:421–7 (11 ref.)
Therapeutic potential of NMDA receptor antagonists as neuroprotective agents. Foster AC, et al.
Prog Clin Biol Res 1990;361:301–29 (123 ref.)

DRUG EFFECTS

Measuring and controlling the extracellular glycine concentration at the NMDA receptor level. Ascher P.
Adv Exp Med Biol 1990;268:13–6 (26 ref.)
Competitive antagonism of glycine at the N–methyl–D–aspartate (NMDA) receptor. Huettner JE.
Biochem Pharmacol 1991 Jan 1;41(1):9–16 (98 ref.)
Quinoxalinediones as excitatory amino acid antagonists in the vertebrate central nervous system. Davies SN, et al.
Int Rev Neurobiol 1990;32:281–303 (78 ref.)
The behavioral pharmacology of NMDA receptor antagonists [see comments] Willetts J, et al.
Trends Pharmacol Sci 1990 Oct;11(10):423–8 (42 ref.)
Comment in: Trends Pharmacol Sci 1991 Feb;12(2):52.
Phencyclidine, NMDA receptor and schizophrenia. Nishikawa T, et al. **Yakubutsu Seishin Kodo** 1991 Feb; 11(1):65–9 (21 ref.)

METABOLISM

The glycine coagonist site of the NMDA receptor. Dingledine R, et al. **Adv Exp Med Biol** 1990;268:17–26 (30 ref.)
The glycine site on the NMDA receptor: pharmacology and involvement in NMDA receptor–mediated neurodegeneration. Foster AC, et al.
Adv Exp Med Biol 1990;268:93–100 (36 ref.)
The PCP site of the NMDA receptor complex. MacDonald JF, et al. **Adv Exp Med Biol** 1990;268:27–34 (24 ref.)
Enhanced synaptic activation of NMDA receptors during hippocampal seizures. Yaari Y, et al.
J Basic Clin Physiol Pharmacol 1990 Jan–Dec;1(1–4):41–7 (13 ref.)
Glycine is a coagonist at the NMDA receptor/channel complex. Thomson AM. **Prog Neurobiol** 1990;35(1):53–74 (148 ref.)
Possible mechanisms limiting N–methyl–D–aspartate receptor overactivation and the therapeutic efficacy of N–methyl–D–aspartate antagonists. Choi DW. **Stroke** 1990 Nov;21(11 Suppl):III20–2 (42 ref.)
[Neurochemistry of the mesencephalic substantia nigra: interrelations between excitatory amino acids, N–methyl–D–aspartate type receptors and intrinsic neuronal systems] Bustos G, et al.
Arch Biol Med Exp (Santiago) 1988 Jun;21(1):59–64 (41 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Acute brain injury, NMDA receptors, and hydrogen ions: observations in cortical cell cultures. Choi DW, et al.
Adv Exp Med Biol 1990;268:501–4 (31 ref.)
The role of the NMDA receptor in the development of the frog visual system. Cline HT, et al. **Adv Exp Med Biol** 1990;268:197–203 (35 ref.)
Learning by seeing: N–methyl–D–aspartate receptors and recognition memory. Horn G, et al. **Adv Exp Med Biol** 1990;268:187–96 (74 ref.)
Anoxia and NMDA receptors. Krnjević K.
Adv Exp Med Biol 1990;268:475–9 (20 ref.)
NMDA receptor plasticity in the kindling model. McNamara JO, et al. **Adv Exp Med Biol** 1990;268:451–9 (47 ref.)
NMDA–receptors are involved in synaptic plasticity following partial denervation of CA1 hippocampal cells. Wheal H. **Adv Exp Med Biol** 1990;268:461–9 (51 ref.)
Allosteric modulation of N–methyl–D–aspartate receptors. Reynolds IJ, et al. **Adv Pharmacol** 1990;21:101–26 (152 ref.)
Experience–dependent formation of binocular maps in frogs. Possible involvement of N–methyl–D–aspartate receptors. Udin SB, et al. **Ann N Y Acad Sci** 1991;627:26–41 (50 ref.)
Protection against ischaemic neuronal damage by drugs acting on excitatory neurotransmission. Meldrum B.
Cerebrovasc Brain Metab Rev 1990 Spring;2(1):27–57 (212 ref.)
Single–channel studies of glutamate receptors. Sansom MS, et al. **Int Rev Neurobiol** 1990;32:51–106 (200 ref.)
Modulation of NMDA receptor responsiveness by neurotransmitters, drugs and chemical modification. Reynolds IJ. **Life Sci** 1990;47(20):1785–92 (73 ref.)
Modulation of the NMDA receptor by polyamines. Williams K, et al. **Life Sci** 1991;48(6):469–98 (156 ref.)
Neurochemical aspects of the N–methyl–D–aspartate receptor complex. Yoneda Y, et al. **Neurosci Res** 1991 Feb; 10(1):1–33 (267 ref.)
Hippocampal synaptic plasticity and NMDA receptors: a role in information storage? Morris RG, et al.
Philos Trans R Soc Lond [Biol] 1990 Aug 29; 329(1253):187–204 (118 ref.)
NMDA receptors. Vyklický L. **Physiol Bohemoslov** 1990; 39(5):385–93 (64 ref.)
Mechanisms of visual plasticity: Hebb synapses, NMDA receptors, and beyond. Rauschecker JP. **Physiol Rev** 1991 Apr;71(2):587–615 (432 ref.)
Excitatory amino acid receptors of cerebellar Purkinje cells: development and plasticity. Crepel F, et al.
Prog Biophys Mol Biol 1991;55(1):31–46 (93 ref.)
Plasticity of excitatory amino acid receptors: implications for aging and Alzheimer's disease. Cotman CW, et al.
Prog Brain Res 1990;86:55–61 (37 ref.)
Role of NMDA receptors in memory. Izquierdo I.
Trends Pharmacol Sci 1991 Apr;12(4):128–9 (25 ref.)
[The crucial substance in learning and memory] Yu DS, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):375–6 (3 ref.) **(Chi)**
[Synaptic mechanisms of excitatory amino acids and NMDA receptor mediated brain excitability] Yamamura T, et al. **Masui** 1990 Nov;39(11):1448–59 (39 ref.) (Eng. Abstr.) **(Jpn)**

RECEPTORS, ACETYLCHOLINE see RECEPTORS, CHOLINERGIC

RECEPTORS, ADRENERGIC

Molecular characterization of alpha 1– and alpha 2–adrenoceptors. Harrison JK, et al.
Trends Pharmacol Sci 1991 Feb;12(2):62–7 (31 ref.)

DRUG EFFECTS

Cardiovascular pharmacology of adrenergic and dopaminergic receptors: therapeutic significance in congestive heart failure. Lokhandwala MF, et al.
Am J Med 1991 May 29;90(5B):2S–9S (90 ref.)
Antidepressants: current concepts of mode of action. Cowen PJ. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:45–55 (37 ref.)

METABOLISM

Adrenergic receptor responsiveness and congestive heart failure. Stiles GL. **Am J Cardiol** 1991 May 6; 67(12):13C–17C (19 ref.)

PHYSIOLOGY

Physiology and pharmacology of cardiovascular catecholamine receptors: implications for treatment of chronic heart failure. Brodde OE. **Am Heart J** 1990 Dec; 120(6 (Pt 2)):1565–72 (56 ref.)
Regulation of adrenergic receptor responsiveness through modulation of receptor gene expression. Collins S, et al.
Annu Rev Physiol 1991;53:497–508 (44 ref.)
[New findings in the pathogenesis and diagnosis of disorders of growth and development in children including receptor disorders] Kalvachová B. **Cesk Pediatr** 1990 Jul;45(7):414–8 (31 ref.) **(Cze)**
[Adenylate cyclase and adrenoreceptors in the myometrium] Shlykov SG. **Ukr Biokhim Zh** 1990 Jul–Aug;62(4):3–14 (62 ref.) (Eng. Abstr.) **(Rus)**
[The participation of catecholaminergic systems in regulating the spontaneous motor activity of rat pups] Bursian AV, et al. **Usp Fiziol Nauk** 1991 Jan–Feb;22(1):3–19 (78 ref.) **(Rus)**

ULTRASTRUCTURE

Molecular biology of adrenergic and dopamine receptors and the study of developmental nephrology. Jose PA, et al.
Pediatr Nephrol 1990 Nov;4(6):679–85 (52 ref.)

RECEPTORS, ADRENERGIC, ALPHA

CLASSIFICATION

Alpha–adrenoceptor subtypes in the coronary circulation. Holtz J. **Basic Res Cardiol** 1990;85 Suppl 1:81–95 (85 ref.)

DRUG EFFECTS

Prevention of alpha–adrenergic coronary constriction by calcium–antagonists. Heusch G, et al. **Basic Res Cardiol** 1990;85 Suppl 1:219–28 (52 ref.)
Drugs interacting with alpha adrenoceptors. van Zwieten PA. **Cardiovasc Drugs Ther** 1989 Apr;3(2):121–33 (60 ref.)
Adrenoceptors in airway smooth muscle. Goldie RG, et al.
Pharmacol Ther 1990;48(3):295–322 (225 ref.)
[Psychotropic effect of clonidine—the role of alpha 2 adrenergic receptors in the pathogenesis of mental disorders] Kasperowicz–Dąbrowiecka A, et al.
Psychiatr Pol 1990 Mar–Apr;24(2):151–9 (40 ref.) **(Pol)**

GENETICS

Molecular biology of adrenergic receptors: model systems for the study of G–protein–mediated signal transduction. Fraser CM. **Blood Vessels** 1991;28(1–3):93–103 (39 ref.)
Structure and function of G protein coupled receptors. Lameh J, et al. **Pharm Res** 1990 Dec;7(12):1213–21 (62 ref.)

METABOLISM

Modulation of alpha–adrenergic receptors and their intracellular coupling in the ischemic heart. Corr PB, et al. **Basic Res Cardiol** 1990;85 Suppl 1:31–45 (85 ref.)

Variable receptor affinity and tissue sensitivity. Oriowo MA, et al. **Blood Vessels** 1991;28(1-3):115-21 (36 ref.)
Effects of aging on postsynaptic alpha 1-adrenoceptor mechanisms in rat aorta. Takayanagi I, et al. **Gen Pharmacol** 1991;22(2):211-8 (37 ref.)

PHYSIOLOGY

Role of signal transduction in anesthetic action. Alpha 2 adrenergic agonists. Maze M, et al. **Ann N Y Acad Sci** 1991;625:409-22 (95 ref.)
Operation of presynaptic alpha 2-adrenoceptors in vivo in the rat brain. Scatton B. **Ann N Y Acad Sci** 1990;604:514-27 (37 ref.)
Synaptic and nonsynaptic cross talk between neurons. Role of presynaptic alpha 2-receptors in mental disorders. Vizi ES. **Ann N Y Acad Sci** 1990;604:344-52 (43 ref.)
Adrenergic control of transmural coronary blood flow. Feigl EO. **Basic Res Cardiol** 1990;85 Suppl 1:167-76 (49 ref.)
Alpha 1-adrenergic coronary constriction during exercise and ischemia. Jones CE, et al. **Basic Res Cardiol** 1990;85 Suppl 1:177-92 (51 ref.)
Clonidine-displacing substance (CDS) and its putative imidazoline receptor. New leads for further divergence of alpha 2-adrenergic receptor activity. Atlas D. **Biochem Pharmacol** 1991 Jun 1;41(11):1541-9 (57 ref.)
Physiological modulation of alpha-adrenoceptor and 5HT receptor expression in blood vessels. McGrath JC, et al. **Blood Vessels** 1990;27(2-5):146-52 (25 ref.)
Interaction of vascular alpha-1 adrenoceptors with multiple signal transduction pathways. Ruffolo RR Jr, et al. **Blood Vessels** 1991;28(1-3):122-8 (21 ref.)
Are there more than two types of alpha-adrenoceptors involved in physiological responses? Wilson VG, et al. **Exp Physiol** 1991 May;76(3):317-46 (144 ref.)
Measuring the activity of brain adrenergic receptors in man. al-Damluji S. **J Endocrinol Invest** 1991 Mar;14(3):245-54 (90 ref.)
Metabolic regulation by alpha 1- and alpha 2-adrenoceptors. Ruffolo RR Jr, et al. **Life Sci** 1991;49(3):171-83 (144 ref.)
Central alpha-2 adrenoceptors regulate central and peripheral functions. Fornai F, et al. **Pharmacol Res** 1990 Sep-Oct;22(5):541-54 (69 ref.)
Responsiveness of locus ceruleus neurons to excitatory stimulation is uniquely regulated by alpha 2 receptors. Simson PE, et al. **Psychopharmacol Bull** 1988;24(3):349-54 (30 ref.)
Adrenergic receptors and catecholamine effects on sodium transport in the mammalian nephron. Cohen HT, et al. **Semin Nephrol** 1991 Mar;11(2):110-9 (123 ref.)

RECEPTORS, ADRENERGIC, BETA

BLOOD

Platelet beta-adrenoceptor function. Experimental and clinical studies with special reference to age and stress. Winther-Hansen K. **Dan Med Bull** 1991 Apr;38(2):159-78 (143 ref.)

CHEMISTRY

Biophysical and genetic analysis of the ligand-binding site of the beta-adrenoceptor. Tota MR, et al. **Trends Pharmacol Sci** 1991 Jan;12(1):4-6 (17 ref.)

DRUG EFFECTS

Relevance of intrinsic sympathomimetic activity for beta blockers. Jaillon P. **Am J Cardiol** 1990 Sep 25; 66(9):21C-23C (16 ref.)
The 1990 Lilly Prize Lecture. A way of looking at agonism and antagonism: lessons from salbutamol, salmeterol and other beta-adrenoceptor agonists. Jack D. **Br J Clin Pharmacol** 1991 May;31(5):501-14 (36 ref.)
An overview of beta-adrenoceptors and signal transduction--desensitization in cardiac disease and effect of beta-blockade. Fu LX, et al. **Int J Cardiol** 1991 Mar; 30(3):261-8 (61 ref.)
Beta 1- and beta 2-adrenoceptors in the human heart: properties, function, and alterations in chronic heart failure. Brodde OE. **Pharmacol Rev** 1991 Jun;43(2):203-42 (428 ref.)
Adrenoceptors in airway smooth muscle. Goldie RG, et al. **Pharmacol Ther** 1990;48(3):295-322 (225 ref.)
[Regulation of beta receptors--practical consequences for therapy] Reithmann C, et al. **Internist (Berl)** 1990 Oct; 31(10):625-31 (17 ref.) **(Ger)**

GENETICS

The adrenergic receptors. Lefkowitz RJ, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:1-8 (16 ref.)
Molecular biology of adrenergic receptors: model systems for the study of G-protein-mediated signal transduction. Fraser CM. **Blood Vessels** 1991;28(1-3):93-103 (39 ref.)

METABOLISM

Mechanisms involved in adrenergic receptor desensitization. Collins S, et al. **Biochem Soc Trans** 1990 Aug;18(4):541-4 (19 ref.)
Beta-adrenoceptor responsiveness in hypertension: effects of dietary NaCl intake. Feldman RD. **Br J Clin Pharmacol** 1990;30 Suppl 1:55S-60S (27 ref.)
Effect of age on lymphocyte beta 2-adrenergic responsiveness. Rutledge DR, et al. **DICP** 1991 May; 25(5):532-8 (52 ref.)
The biology of beta-adrenergic receptors: analysis in human epidermoid carcinoma A431 cells. Wang HY, et al. **Int J Biochem** 1991;23(1):7-20 (109 ref.)

PHYSIOLOGY

Receptor function in heart failure. Bogaert MG, et al. **Am J Med** 1991 May 29;90(5B):10S-13S (27 ref.)
Modulation of noradrenaline release by activation of presynaptic beta-adrenoceptors in the cardiovascular system. Nedergaard OA, et al. **Ann N Y Acad Sci** 1990; 604:528-44 (84 ref.)
Beta-adrenergic receptor regulation in the heart in pathophysiologic states: abnormal adrenergic responsiveness in cardiac disease. Homcy CJ, et al. **Annu Rev Physiol** 1991;53:137-59 (130 ref.)
Heart rate and beta-adrenergic mechanisms in acute myocardial infarction. Hjalmarson A. **Basic Res Cardiol** 1990;85 Suppl 1:325-33 (52 ref.)
Structural basis for functional diversity of beta 1-, beta 2- and beta 3-adrenergic receptors. Emorine LJ, et al. **Biochem Pharmacol** 1991 Mar 15-Apr 1;41(6-7):853-9 (48 ref.)
Mitigation of beta 1- and/or beta 2-adrenoceptor function in human heart failure. Michel MC, et al. **Br J Clin Pharmacol** 1990;30 Suppl 1:37S-42S (22 ref.)
Some aspects of heart beta adrenoceptor function. Kaumann AJ. **Cardiovasc Drugs Ther** 1991 Jun;5(3):549-60 (126 ref.)
Beta-adrenoceptor--G-protein--adenylyl cyclase system in cardiac disease: a new insight into desensitization. Fu LX, et al. **Clin Physiol** 1991 Jan;11(1):1-7 (25 ref.)
Subtype-selective modulation of human beta 1- and beta 2-adrenoceptor function by beta-adrenoceptor agonists and antagonists. Brodde OE, et al. **Clin Physiol Biochem** 1990;8 Suppl 2:11-7 (30 ref.)
Cardiac beta-adrenoceptors: regulation and new electrophysiological findings. Masini I, et al. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S117-21 (31 ref.)
The beta-adrenergic system in man: physiological and pathophysiological response. Regulation of receptor density and functioning. Mäki T, et al. **Scand J Clin Lab Invest Suppl** 1990;201:25-43 (132 ref.)
[Alterations in myocardial adrenoceptor transduction systems in health and disease] Tobise K, et al. **Kokyu To Junkan** 1991 Apr;39(4):311-9 (51 ref.) **(Jpn)**
[Adrenergic mechanisms in pathophysiology and treatment of chronic circulatory failure] Witkowska M. **Kardiol Pol** 1990 Jan;33(1):50-7 (37 ref.) **(Pol)**
[The role of beta adrenergic receptors in bronchial asthma] Chazan R. **Pneumonol Pol** 1990 Jun;58(6):343-9 (93 ref.) **(Pol)**
[Beta adrenergic receptors in lung tissue] Passowicz-Muszyńska E, et al. **Pol Tyg Lek** 1990 Jul 16-30; 45(29-31):630-3 (60 ref.) **(Pol)**
[Heterologous hormonal regulation in the mammary gland] Sapag-Hagar M, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):183-7 (19 ref.) (Eng. Abstr.) **(Spa)**
[Adrenergic regulation of potassium homeostasis] Martín C, et al. **Med Clin (Barc)** 1991 Mar 23;96(11):424-7 (106 ref.) **(Spa)**

RECEPTORS, ALPHA ADRENERGIC see **RECEPTORS, ADRENERGIC, ALPHA**

RECEPTORS, ANDROGEN

GENETICS

Structure and function of the androgen receptor. Jänne OA, et al. **Ann N Y Acad Sci** 1991;626:81-91 (47 ref.)
Molecular basis of androgen insensitivity. French FS, et al. **Recent Prog Horm Res** 1990;46:1-38; discussion 38-42 (162 ref.)

METABOLISM

[Relation between sex hormones and their receptors and laryngeal cancers] Cai W, et al. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1988;23(4):246-8 (15 ref.) **(Chi)**

RECEPTORS, ANGIOTENSIN

ANTAGONISTS & INHIBITORS

Nonpeptide angiotensin II receptor antagonists. Timmermans PB, et al. **Am J Hypertens** 1990 Aug;3(8 Pt 1):599-604 (21 ref.)
The discovery of a new class of highly specific nonpeptide angiotensin II receptor antagonists. Timmermans PB, et al. **Am J Hypertens** 1991 Apr;4(4 Pt 2):275S-281S (16 ref.)
Nonpeptide angiotensin II receptor antagonists. Timmermans PB, et al. **Trends Pharmacol Sci** 1991 Feb;12(2):55-62 (35 ref.)

BIOSYNTHESIS

Appearance and transient expression of vasopressin and oxytocin receptors in the rat brain. Tribollet E, et al. **J Recept Res** 1991;11(1-4):333-46 (14 ref.)

CHEMISTRY

Characterization of the angiotensin II receptor. Marie J, et al. **Horm Res** 1990;34(3-4):95-100 (40 ref.)

DRUG EFFECTS

Nonpeptide angiotensin II receptor antagonists: a novel class of antihypertensive agents. Timmermans PB, et al. **Blood Vessels** 1990;27(2-5):295-300 (16 ref.)

ISOLATION & PURIFICATION

The difficult challenge of cloning the angiotensin II receptor. Weber V, et al. **Horm Res** 1990;34(3-4):101-4 (21 ref.)

METABOLISM

Pharmacological versus binding analysis of receptor systems: how do they interplay? Myometrial cell receptors for oxytocin as a paradigm. Pliška V. **Experientia** 1991 Mar 15;47(3):216-21 (34 ref.)

PHYSIOLOGY

Vasopressin receptor-mediated endocytosis: current view. Lutz W, et al. **Am J Physiol** 1991 Jul;261(1 Pt 2):F1-13 (126 ref.)
The angiotensin II receptor and the actions of angiotensin II. Peach MJ, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 4:S25-30 (31 ref.)
Signaling mechanisms coupled to the angiotensin receptor of proximal tubular epithelium. Douglas JG, et al. **Kidney Int Suppl** 1990 Nov;30:S43-7 (37 ref.)
[Pathophysiology of cardiorenal regulatory mechanisms in heart failure] Holtz J, et al. **Z Kardiol** 1991;80 Suppl 2:1-10 (117 ref.) (Eng. Abstr.) **(Ger)**

RECEPTORS, ANTIGEN

Lymphocyte antigen receptors: a common design? Koning F. **Immunol Today** 1991 Apr;12(4):100-1 (25 ref.)

IMMUNOLOGY

Interactions of hepatitis B virus with hepatocytes: mechanism and clinical relevance. Theilmann L, et al. **Hepatogastroenterology** 1991 Feb;38(1):10-3 (58 ref.)

RECEPTORS, ANTIGEN, B-CELL

IMMUNOLOGY

The B-cell antigen receptor complex. Reth M, et al. **Immunol Today** 1991 Jun;12(6):196-201 (39 ref.)
[Morpho-functional interrelations in the development of immunologic memory] Liashchenko KP. **Fiziol Zh** 1990 Nov-Dec;36(6):107-15 (76 ref.) (Eng. Abstr.) **(Rus)**

RECEPTORS, ANTIGEN, T-CELL

see related
GENE REARRANGEMENT, T-LYMPHOCYTE

Human lymphocytes expressing a TCR gamma/delta. Ciccone E, et al. **Ann Ist Super Sanita** 1990;26(3-4):349-56 (37 ref.)
Specificity and selection of gamma-delta receptor-expressing T cells. Matis L. **Immunol Res** 1991;10(1):5-14 (46 ref.)
Repertoire development and ligand specificity of murine TCR gamma delta cells. Bluestone JA, et al. **Immunol Rev** 1991 Apr;120:5-33 (79 ref.)
Alpha beta T-lymphocyte depleted mice, a model for gamma delta T-lymphocyte functional studies. Carbone A, et al. **Immunol Rev** 1991 Apr;120:35-50 (29 ref.)
Self-reactive gamma delta T lymphocytes: implications for T-cell ontogeny and reactivity. Ferrick DA, et al. **Immunol Rev** 1991 Apr;120:51-69 (73 ref.)
Activation and activation-driven death of human gamma/delta T cells. Kabelitz D, et al. **Immunol Rev** 1991 Apr;120:71-88 (47 ref.)
Molecular and cellular analysis of human T lymphocytes expressing gamma delta T-cell receptor. Moretta L, et al. **Immunol Rev** 1991 Apr;120:117-35 (69 ref.)
Biology of the human gamma delta T-cell receptor. Porcelli S, et al. **Immunol Rev** 1991 Apr;120:137-83 (171 ref.)
Recognition of MHC TL gene products by gamma delta T cells. Van Kaer L, et al. **Immunol Rev** 1991 Apr;120:89-115 (98 ref.)

ANALYSIS

Repertoire selection of human gamma delta T cells. Borst J, et al. **Res Immunol** 1990 Sep;141(7):663-8 (21 ref.)
Analysis of gamma delta T cells in the chicken. Bucy RP, et al. **Semin Immunol** 1991 Mar;3(2):109-17 (72 ref.)
Murine T cells with invariant gamma delta antigen receptors: origin, repertoire, and specificity. Havran WL, et al. **Semin Immunol** 1991 Mar;3(2):89-97 (55 ref.)
Intraepithelial lymphocytes of the intestinal mucosa: curiouser and curiouser. Lefrançois L. **Semin Immunol** 1991 Mar;3(2):99-108 (88 ref.)
Specificity of gamma delta receptor bearing T cells. Matis LA, et al. **Semin Immunol** 1991 Mar;3(2):75-80 (48 ref.)
Heat shock proteins as antigens for gamma delta T cells. O'Brien RL, et al. **Semin Immunol** 1991 Mar;3(2):81-7 (55 ref.)

Human T cell receptor gamma delta + T cells. Spits H. **Semin Immunol** 1991 Mar;3(2):119–29 (93 ref.)

ANTAGONISTS & INHIBITORS

Monoclonal antibodies to CD3 as immunosuppressants. Chatenoud L, et al. **Semin Immunol** 1990 Nov;2(6):437–47 (83 ref.)

BIOSYNTHESIS

Gamma/delta T cells: from controlled development to functional programs. Triebel F. **Res Immunol** 1990 Sep; 141(7):626–30 (25 ref.)

CLASSIFICATION

Immunity to mycobacteria: possible role of alpha/beta and gamma/delta T lymphocytes. Munk ME, et al. **APMIS** 1990 Aug;98(8):669–73 (27 ref.)

GENETICS

T cell defined HLA epitopes and T cell receptor polymorphism in insulin dependent diabetes mellitus. Sheehy MJ. **Baillieres Clin Endocrinol Metab** 1991 Jun; 5(2):341–55 (52 ref.)

Molecular similarities and differences between immunoglobulin and T cell receptors. Mak TW. **Behring Inst Mitt** 1990 Dec;(87):1–9 (14 ref.)

Analysis of immunoglobulin and T cell receptor genes. Part I: Basic and technical aspects. van Dongen JJ, et al. **Clin Chim Acta** 1991 Apr;198(1–2):1–91 (516 ref.)

Analysis of immunoglobulin and T cell receptor genes. Part II: Possibilities and limitations in the diagnosis and management of lymphoproliferative diseases and related disorders. van Dongen JJ, et al. **Clin Chim Acta** 1991 Apr; 198(1–2):93–174 (388 ref.)

The gamma/delta T cell receptor expressed on human peripheral blood lymphocytes. Faure F, et al. **Eur Cytokine Netw** 1990 May–Jun;1(2):65–9 (32 ref.)

Control of gamma delta T-cell development. Raulet DH, et al. **Immunol Rev** 1991 Apr;120:185–204 (73 ref.)

Towards a molecular understanding of T-cell differentiation. Clevers HC, et al. **Immunol Today** 1991 Feb;12(2):86–92 (58 ref.)

Allelic variations of human TCR V gene products. Posnett DN. **Immunol Today** 1990 Oct;11(10):368–73 (85 ref.)

Gene regulation within the TCR-alpha/delta locus by specific deletion of the TCR-delta cluster. de Villartay JP, et al. **Res Immunol** 1990 Sep;141(7):618–23 (23 ref.)

Genetic organization of the human T-cell receptor gamma and delta loci. Lefranc MP, et al. **Res Immunol** 1990 Sep; 141(7):565–77 (65 ref.)

T cell receptor and immunoglobulin genes in hematologic malignancies. Reis MD, et al. **Tumour Biol** 1990;11 Suppl 1:59–77 (77 ref.)

[T cell antigen receptor—structure, expression and function] Saito T. **Hum Cell** 1990 Oct;3(3):183–92 (29 ref.) (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Mitogenic toxins as MHC class II-dependent probes for T cell antigen receptors. Fleischer B, et al. **Behring Inst Mitt** 1991 Feb;(88):170–6 (17 ref.)

Immunization with T cell receptor peptides. Vandenbark AA, et al. **Br J Rheumatol** 1991;30 Suppl 2:20–3 (8 ref.)

Self superantigens? Janeway CA Jr. **Cell** 1990 Nov 16; 63(4):659–61 (20 ref.)

T-cell receptor isoforms and signal transduction. Koyasu S, et al. **Curr Opin Immunol** 1991 Feb;3(1):32–9 (36 ref.)

Positive and negative selection of the alpha beta T-cell repertoire in vivo. von Boehmer H. **Curr Opin Immunol** 1991 Apr;3(2):210–5 (45 ref.)

T-cell antigen receptors. Degitz K, et al. **Dermatol Clin** 1990 Oct;8(4):663–72 (87 ref.)

Cell-surface molecules in the regulation of immune responsiveness. Zaleski MB. **Immunol Invest** 1991 Apr; 20(2):103–31 (88 ref.)

T-cell receptor and autoimmune disease. Komori S, et al. **Immunol Res** 1990;9(4):245–64 (156 ref.)

Immunodeficiency after bone marrow transplantation can be associated with autoreactive T-cell receptor gamma delta-bearing lymphocytes. Bensussan A, et al. **Immunol Rev** 1990 Aug;116:5–13 (31 ref.)

T-cell receptor V beta repertoire expression in murine models of SLE. Singer PA, et al. **Immunol Rev** 1990 Dec; 118:103–27 (83 ref.)

Antigen presentation: structural themes and functional variations. Braciale TJ, et al. **Immunol Today** 1991 Apr; 12(4):124–9 (57 ref.)

The development and function of gamma delta T cells [news] Haas W, et al. **Immunol Today** 1990 Oct;11(10):340–3 (43 ref.)

Prominence of gamma delta T cells in the ruminant immune system. Hein WR, et al. **Immunol Today** 1991 Jan;12(1):30–4 (39 ref.)

Anti-metatype antibody reactivity: a model for T-cell receptor recognition. Voss EW Jr. **Immunol Today** 1990 Oct;11(10):355–7 (17 ref.)

Development of antigen-specific therapies for autoimmune disease. Steinman L. **Mol Biol Med** 1990 Aug;7(4):333–9 (44 ref.)

Immune recognition. Mls: makes a little sense [news; comment] Janeway C. **Nature** 1991 Feb 7;349(6309):459–61 (31 ref.) Comment on: Nature 1991 Feb 7;349(6309):524–6. Comment on: Nature 1991 Feb 7;349(6309):526–8. Comment on: Nature 1991 Feb 7;349(6309):529–30. Comment on: Nature 1991 Feb 7;349(6309):531–2.

The role of OKT3 in clinical transplantation. Norman DJ, et al. **Pediatr Nephrol** 1991 Jan;5(1):130–6 (106 ref.)

Recognition of mycobacterial antigens by gamma delta T cells. Band H, et al. **Res Immunol** 1990 Sep;141(7):645–51 (43 ref.)

Potential role of gamma delta T cells in autoimmune diseases. Holoshitz J. **Res Immunol** 1990 Sep;141(7):651–7 (53 ref.)

Analysis of gamma delta T cells in ruminants reveals further heterogeneity in gamma delta T-cell features and function among species. Mackay CR, et al. **Res Immunol** 1990 Sep; 141(7):611–4 (11 ref.)

Analysis of antigen specificity of human TCR gamma delta + T cells. Spits H, et al. **Res Immunol** 1990 Sep; 141(7):636–40 (28 ref.)

Possible links between immune system and stress response: the role of gamma delta T lymphocytes. Born W, et al. **Semin Immunol** 1991 Jan;3(1):43–8 (35 ref.)

[Receptor of cells with infection of AIDS virus] Xu TG. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):29–33 (29 ref.) **(Chi)**

METABOLISM

The T cell antigen receptor: insights into organelle biology. Klausner RD, et al. **Annu Rev Cell Biol** 1990;6:403–31 (102 ref.)

CD4, CD8 and the TCR–CD3 complex: a novel class of protein-tyrosine kinase receptor. Rudd CE. **Immunol Today** 1990 Nov;11(11):400–6 (65 ref.)

PHYSIOLOGY

T cell receptors: adhesion and signaling. Bierer BE, et al. **Adv Cancer Res** 1991;56:49–76 (138 ref.)

Regulation of the interleukin 4 signal in human B-lymphocytes. Finney M, et al. **Biochem Soc Trans** 1991 Apr;19(2):287–91 (9 ref.)

Transmembrane signalling by interleukin 2. Mills GB, et al. **Biochem Soc Trans** 1991 Apr;19(2):277–87 (115 ref.)

T cell antigen receptor activation pathways: the tyrosine kinase connection. Klausner RD, et al. **Cell** 1991 Mar 8; 64(5):875–8 (29 ref.)

T-cell receptor-activated adhesion systems. O'Rourke AM, et al. **Curr Opin Cell Biol** 1990 Oct;2(5):888–93 (15 ref.)

How T cells talk to target cells. Hollán S. **Haematologia (Budap)** 1990;23(3):129–44 (19 ref.)

Relationship between the T-cell receptor–T3 complex and Thy-1. Balk S, et al. **Immunol Ser** 1989;45:411–6 (39 ref.)

T-cell development and transmembrane signaling: changing biological responses through an unchanging receptor. Finkel TH, et al. **Immunol Today** 1991 Feb;12(2):79–85 (79 ref.)

Sideways killing mediated by either anti-TCR or anti-T3 antibodies: use of both high and low avidity Fc receptor and cell adhesion molecules. Ito M, et al. **Int Rev Immunol** 1989 May;4(2):133–44 (30 ref.)

The induction of T cell-mediated cytolysis by monoclonal antibodies against the T cell receptor/CD3 complex. Spits H, et al. **Int Rev Immunol** 1989 May;4(2):115–32 (85 ref.)

Structure and function of the T cell antigen receptor. Weiss A. **J Clin Invest** 1990 Oct;86(4):1015–22 (95 ref.)

The gamma delta cell response to stress: unresolved issues and possible significance. Born W, et al. **Res Immunol** 1990 Sep;141(7):595–600 (33 ref.)

The co-receptor function of CD4. Janeway CA Jr. **Semin Immunol** 1991 May;3(3):153–60 (56 ref.)

Functional consequences of CD4–TCR/CD3 interactions. Julius M, et al. **Semin Immunol** 1991 May;3(3):161–6 (49 ref.)

CD4 and CD8 act as co-receptors during thymic selection of the T cell repertoire. Zúñiga-Pflücker JC, et al. **Semin Immunol** 1991 May;3(3):167–75 (77 ref.)

The regulation of T-cell antigen receptor signal transduction function. Weiss A, et al. **Transplant Proc** 1991 Feb;23(1 Pt 1):32–3 (19 ref.)

RECEPTORS, BENZODIAZEPINE see **RECEPTORS, GABA-BENZODIAZEPINE**

RECEPTORS, BENZODIAZEPINE-GABA see **RECEPTORS, GABA-BENZODIAZEPINE**

RECEPTORS, BETA ADRENERGIC see **RECEPTORS, ADRENERGIC, BETA**

RECEPTORS, BIOLOGICAL see **RECEPTORS, ENDOGENOUS SUBSTANCES**

RECEPTORS, CELL-ADHESION PROTEIN see **INTEGRINS**

RECEPTORS, CHOLECYSTOKININ

ANALYSIS

Gastrin–histamine interactions: direct and paracrine elements. Chuang CN, et al. **Scand J Gastroenterol Suppl** 1991; 180:95–103 (36 ref.)

The gastrin receptor assay. Kleveland PM, et al. **Scand J Gastroenterol Suppl** 1991;180:62–9 (59 ref.)

ANTAGONISTS & INHIBITORS

Neurochemical actions of CCK underlying the therapeutic potential of CCK-B antagonists. Hughes J, et al. **Neuropeptides** 1991 Jul;19 Suppl:85–9 (34 ref.)

PHYSIOLOGY

Functional role of brain CCK receptors. Woodruff GN, et al. **Neuropeptides** 1991 Jul;19 Suppl:45–56 (79 ref.)

Brain cholecystokinin receptors and satiety. **Nutr Rev** 1990 Sep;48(9):359–60 (11 ref.)

Multiple cholecystokinin (CCK) receptors and CCK–monoamine interactions are instrumental in the control of feeding. Cooper SJ, et al. **Physiol Behav** 1990 Dec;48(6):849–57 (78 ref.)

RECEPTORS, CHOLINERGIC

CHEMISTRY

Topography of integral membrane proteins: hydrophobicity analysis vs. immunolocalization. McCrea PD, et al. **Trends Biochem Sci** 1988 Aug;13(8):289–90 (26 ref.)

DRUG EFFECTS

Cholinergic strategies in the treatment of Alzheimer's disease. Davidson M, et al. **Acta Psychiatr Scand Suppl** 1991; 366:47–51 (37 ref.)

Cholinergic neuropharmacology: an update. Palacios JM, et al. **Acta Psychiatr Scand Suppl** 1991;366:27–33 (66 ref.)

Inhibition of gastric acid secretion by cholinergic stimulation of the lateral hypothalamic area. Gontijo JA, et al. **Braz J Med Biol Res** 1990;23(3–4):361–5 (20 ref.)

The mechanism of agrin-induced acetylcholine receptor aggregation. Wallace BG. **Philos Trans R Soc Lond [Biol]** 1991 Mar 29; 331(1261):273–80 (51 ref.)

[The importance of the blocking of ganglionic N-cholinoreceptors for labor induction] Grudev D, et al. **Akush Ginekol (Sofiia)** 1990;29(5):56–8 (22 ref.) **(Bul)**

GENETICS

Regulation of acetylcholine receptor gene expression by neural factors and electrical activity during motor endplate formation. Changeux JP, et al. **Biochem Soc Symp** 1990; 56:9–12 (31 ref.)

Compartmentalized transcription of acetylcholine receptor genes during motor endplate epigenesis. Changeux JP. **New Biol** 1991 May;3(5):413–29 (210 ref.)

[Myogenic genes and specific transcription of muscle: the case of acetylcholine receptor] Piette J. **Pathol Biol (Paris)** 1991 Mar;39(3):167–9 (13 ref.) **(Fre)**

IMMUNOLOGY

Myasthenia gravis. Newsom-Davis J. **Ann Ital Med Int** 1988; 3 Suppl 1:32–7 (33 ref.)

Autoimmunity to acetylcholine receptors in myasthenia gravis. Vincent A. **Biochem Soc Trans** 1991 Feb;19(1):180–3 (22 ref.)

Immunogenetic mechanisms in myasthenia gravis. Steinman L. **Prog Brain Res** 1990;84:117–24 (34 ref.)

METABOLISM

Functional architecture of the nicotinic acetylcholine receptor: from electric organ to brain. Galzi JL, et al. **Annu Rev Pharmacol Toxicol** 1991;31:37–72 (270 ref.)

Mechanism of action of the nicotinic acetylcholine receptor. Steinbach JH. **Ciba Found Symp** 1990;152:53–61; discussion 61–7 (44 ref.)

Macromolecular sites for specific neurotoxins and drugs on chemosensitive synapses and electrical excitation in biological membranes. Albuquerque EX, et al. **Ion Channels** 1988;1:95–162 (270 ref.)

Cholinergic receptors in human brain: effects of aging and Alzheimer disease. Giacobini E. **J Neurosci Res** 1990 Dec; 27(4):548–60 (98 ref.)

Cholinergic receptors in the rat and human brain: microscopic visualization. Palacios JM, et al. **Prog Brain Res** 1990;84:243–53 (47 ref.)

The TiPS lecture. The nicotinic acetylcholine receptor: an allosteric protein prototype of ligand-gated ion channels. Changeux JP. **Trends Pharmacol Sci** 1990 Dec; 11(12):485–92 (78 ref.)

PHYSIOLOGY

Cholinergic neurons of the central nervous system: morphofunctional aspects. Bigl V, et al. **Acta Psychiatr Scand Suppl** 1991;366:7–13 (57 ref.)

Central cholinergic functioning and aging. Müller WE, et al. **Acta Psychiatr Scand Suppl** 1991;366:34–9 (39 ref.)

Characteristics of receptor-operated and membrane potential-dependent ATP secretion from adrenal medullary chromaffin cells. Rojas E, et al. **Ann N Y Acad Sci** 1990; 603:311–22; discussion 322–3 (22 ref.)

Cholinergic–dopaminergic interactions in cognitive performance. Levin ED, et al. **Behav Neural Biol** 1990 Nov; 54(3):271–99 (200 ref.)

Regulation of endocrine function by the nicotinic cholinergic receptor. Fuxe K, et al. **Ciba Found Symp** 1990;152:113–27; discussion 127–30 (52 ref.)
Developmental changes in acetylcholine receptor channel properties of vertebrate skeletal muscle. Kidokoro Y. **Ion Channels** 1988;1:163–82 (57 ref.)
Cholinergic mechanisms in aggressive behaviour. Allikmets LH. **Med Biol** 1974 Feb;52(1):19–30 (75 ref.)
Cholinergic regulation of the endocrine pancreas. Ahrén B, et al. **Prog Brain Res** 1990;84:209–18 (71 ref.)
Spinal cholinergic mechanisms. Gillberg PG, et al. **Prog Brain Res** 1990;84:361–70 (73 ref.)
Future prospects of research on central cholinergic mechanisms. Nordberg A, et al. **Prog Brain Res** 1990; 84:415–8 (0 ref.)
The basal lamina and stability of the mammalian neuromuscular junction. Slater CR. **Prog Brain Res** 1990; 84:73–81 (38 ref.)
Acetylcholine and acetylcholine receptor subtypes in REM sleep generation. Velazquez-Moctezuma J, et al. **Prog Brain Res** 1990;84:407–13 (69 ref.)
Functional studies of Ca2+ channels from plasmalemma and sarcoplasmic reticulum membranes in muscle cells. García J, et al. **Semin Cell Biol** 1990 Aug;1(4):255–64 (140 ref.)
[Postsynaptic cytoskeleton and acetylcholine receptor clusters] Gao TM. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul;21(3):247–50 (32 ref.) **(Chi)**
[Syndrome of partial cholinergic deafferentation of the cortical mantle—a concept for describing the brain–behavior relationship in dementia diseases] Arendt T. **Fortschr Neurol Psychiatr** 1991 Mar;59(3):81–91 (82 ref.) (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

The acetylcholine receptor: functional architecture and regulation. Changeux JP, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:15–9 (31 ref.)

RECEPTORS, COLONY-STIMULATING FACTOR

GENETICS

A new hematopoietic growth factor receptor superfamily: structural features and implications for signal transduction. D'Andrea AD, et al. **Curr Opin Cell Biol** 1990 Aug; 2(4):648–51 (18 ref.)

METABOLISM

Hematopoietic growth-factor receptors. Park LS, et al. **Immunol Ser** 1990;49:39–75 (84 ref.)

PHYSIOLOGY

Hemopoietic growth factors and receptors: bound and free. Gordon MY. **Cancer Cells** 1991 Apr;3(4):127–33 (53 ref.)
Hematopoietic growth factor receptors. Brizzi MF, et al. **Int J Cell Cloning** 1991 Jul;9(4):274–300 (188 ref.)
Regulation of IL-3, IL-4 and GM-CSF genes and signal transduction by their receptors. Arai N, et al. **Lymphokine Res** 1990 Winter;9(4):551–3 (11 ref.)
The colony-stimulating factor 1 receptor: pleiotropy of signal-response coupling. Sherr CJ. **Lymphokine Res** 1990 Winter;9(4):543–8 (35 ref.)
[Hematopoietic factors and their receptors] Miura Y. **Nippon Naika Gakkai Zasshi** 1991 Apr 10;80(4):634–40 (11 ref.) **(Jpn)**

RECEPTORS, COMPLEMENT

DEFICIENCY

Erythrocyte membrane protein deficiencies in paroxysmal nocturnal hemoglobinuria. Schultz DR. **Am J Med** 1989 Sep;87(3N):22N–29N (94 ref.)
Complement components and receptors: deficiencies and disease associations. Bartholomew WR, et al. **Immunol Ser** 1990;52:33–51 (48 ref.)

METABOLISM

Interaction of C1q, and other proteins containing collagen-like domains, with the C1q receptor. Malhotra R, et al. **Biochem Soc Trans** 1990 Dec;18(6):1145–8 (35 ref.)
Adherence and receptor relationships of Candida albicans. Calderone RA, et al. **Microbiol Rev** 1991 Mar;55(1):1–20 (168 ref.)
[Cellular receptors and regulator proteins reacting with C3 activation products] Garred P. **Tidsskr Nor Laegeforen** 1991 Feb 28;111(6):709–13 (17 ref.) (Eng. Abstr.) **(Nor)**

PHYSIOLOGY

The interaction between complement component C4b-binding protein and the vitamin K-dependent protein S forms a link between blood coagulation and the complement system. Hessing M. **Biochem J** 1991 Aug 1; 277 (Pt 3):581–92 (229 ref.)
Complement receptors and phagocytosis. Brown EJ. **Curr Opin Immunol** 1991 Feb;3(1):76–82 (46 ref.)
Interaction of complement with HIV-1 and Candida albicans: molecular mechanisms and biological implications. Dierich MP, et al. **Mol Immunol** 1990 Dec;27(12):1349–53 (58 ref.)
Contribution of CR3, CD11b/CD18 to cytolysis by human NK cells. Klein E, et al. **Mol Immunol** 1990 Dec; 27(12):1343–7 (27 ref.)

RECEPTORS, CORTICOSTEROID see **RECEPTORS, GLUCOCORTICOID**

RECEPTORS, CYCLIC AMP

PHYSIOLOGY

Role of cyclic AMP receptor proteins in growth, differentiation, and suppression of malignancy: new approaches to therapy. Cho-Chung YS. **Cancer Res** 1990 Nov 15;50(22):7093–100 (110 ref.)
Suppression of malignancy targeting the intracellular signal transduction proteins of cAMP: the use of site-selective cAMP analogs, antisense strategy, and gene transfer. Cho-Chung YS, et al. **Life Sci** 1991;48(12):1123–32 (74 ref.)
Role of site-selective cAMP analogs in the control and reversal of malignancy. Cho-Chung YS, et al. **Pharmacol Ther** 1991;50(1):1–33 (346 ref.)

RECEPTORS, DIAZEPAM see **RECEPTORS, GABA-BENZODIAZEPINE**

RECEPTORS, DOPAMINE

ANALYSIS

[Imaging of D2 dopamine receptor] Hatazawa J, et al. **Nippon Rinsho** 1991 Jul;49(7):1546–50 (17 ref.) **(Jpn)**
[Positron emission tomography studies of dopamine D1 receptors] Shinotoh H. **Nippon Rinsho** 1991 Jul; 49(7):1541–5 (21 ref.) **(Jpn)**

CHEMISTRY

Aspects of the structure of the D2 dopamine receptor. Strange PG. **Trends Neurosci** 1990 Sep;13(9):373–8 (43 ref.)

CLASSIFICATION

Retinal dopamine D1 and D2 receptors: characterization by binding or pharmacological studies and physiological functions. Schorderet M, et al. **Cell Mol Neurobiol** 1990 Sep;10(3):303–25 (134 ref.)
Subclassification of peripheral dopamine receptors. Brodde OE. **J Auton Pharmacol** 1990;10 Suppl 1:s5–9 (29 ref.)

DRUG EFFECTS

Biochemical pharmacology of the atypical neuroleptic remoxipride. Köhler C, et al. **Acta Psychiatr Scand Suppl** 1990;358:27–36 (45 ref.)
The efficacy of levodopa treatment declines in the course of Parkinson's disease: do nondopaminergic lesions play a role? Agid Y, et al. **Adv Neurol** 1990;53:83–100 (135 ref.)
The antiparkinsonian activity of dopamine agonists and their interaction with central dopamine receptor subtypes. Goldstein M, et al. **Adv Neurol** 1990;53:101–6 (16 ref.)
Nigrostriatal dopaminergic activity, deprenyl treatment, and longevity. Knoll J. **Adv Neurol** 1990;53:425–9 (19 ref.)
Interactions of exogenous L-dopa with nigrostriatal dopaminergic neurons in Parkinson's disease. Melamed E. **Adv Neurol** 1990;53:61–6 (21 ref.)
Cardiovascular pharmacology of adrenergic and dopaminergic receptors: therapeutic significance in congestive heart failure. Lokhandwala MF, et al. **Am J Med** 1991 May 29;90(5B):2S–9S (90 ref.)
In vitro effects of 17 beta-oestradiol on the sensitivity of receptors coupled to adenylate cyclase on striatal neurons in primary culture. Maus M, et al. **Ciba Found Symp** 1990; 153:145–53; discussion 153–5 (27 ref.)
Pergolide: a dopamine agonist at both D1 and D2 receptors. Fuller RW, et al. **Life Sci** 1991;49(13):925–30 (44 ref.)
Dopamine receptor agonists and antagonists. Kohli JD. **Proc West Pharmacol Soc** 1990;33:21–7 (32 ref.)
Dopamine D1 receptor antagonism in schizophrenia: is there reduced risk of extrapyramidal side-effects? Hietala J, et al. **Trends Pharmacol Sci** 1990 Oct;11(10):406–10 (40 ref.)

GENETICS

Cloning of a 'D3' receptor subtype expands dopamine receptor family. Sibley DR. **Trends Pharmacol Sci** 1991 Jan;12(1):7–9 (23 ref.)

METABOLISM

Critical review on quantitative autoradiography of D1 and D2 dopaminergic receptors in the striatum of the mammalian brain: differential localization and plastic changes after pharmacological manipulation and dopaminergic input disruption. Feuerstein C, et al. **Anal Cell Pathol** 1989 Jun;1(3):153–71 (85 ref.)
Dopamine autoreceptors. Biochemical, pharmacological, and morphological studies. Goldstein M, et al. **Ann N Y Acad Sci** 1990;604:169–75 (22 ref.)
Measurement of the receptor turnover using an irreversible inactivating method. Theoretical assumptions, limitations and practical realization. Nowak G. **Pol J Pharmacol Pharm** 1990 Sep–Oct;42(5):433–40 (24 ref.)
[Increased knowledge of dopamine receptors results in better drugs in the treatment of neurologic and psychological disorders] Hall H. **Lakartidningen** 1991 Aug 28; 88(35):2761–5 (50 ref.) **(Swe)**

PHYSIOLOGY

Recent finding on dopaminergic transmission in the basal ganglia. Glowinski J. **Adv Neurol** 1990;53:67–73 (40 ref.)
The role of MAO in dopaminergic transmission. Riederer P, et al. **Adv Neurol** 1990;53:149–53 (35 ref.)
Physiology and pharmacology of cardiovascular catecholamine receptors: implications for treatment of chronic heart failure. Brodde OE. **Am Heart J** 1990 Dec; 120(6 (Pt 2)):1565–72 (56 ref.)
Self-injurious behavior: a review of the behavior and biology of self-mutilation. Winchel RM, et al. **Am J Psychiatry** 1991 Mar;148(3):306–17 (116 ref.)
The dopamine theory of attention deficit hyperactivity disorder (ADHD). Levy F. **Aust N Z J Psychiatry** 1991 Jun;25(2):277–83 (52 ref.)
Cholinergic–dopaminergic interactions in cognitive performance. Levin ED, et al. **Behav Neural Biol** 1990 Nov; 54(3):271–99 (200 ref.)
The role of DA1- and DA2-receptors in the control of blood pressure. Hieble JP, et al. **Br J Clin Pharmacol** 1990;30 Suppl 1:61S–68S (37 ref.)
The neural substrates of drug addiction and dependence. Pulvirenti L, et al. **Funct Neurol** 1990 Apr–Jun;5(2):109–19 (75 ref.)
Dopamine and the kidney in heart failure. Casagrande C. **Herz** 1991 Apr;16(2):102–15 (96 ref.) **(Eng, Ger)**
Evidence that lack of brain dopamine during development can increase the susceptibility for aggression and self-injurious behavior by influencing D1-dopamine receptor function. Breese GR, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990;14 Suppl:S65–80 (52 ref.)
Evidence for reduced and dysregulated turnover of dopamine in schizophrenia. Heritch AJ. **Schizophr Bull** 1990; 16(4):605–15 (65 ref.)
Is there a right hemi-hyper-dopaminergic psychosis? Bracha HS. **Schizophr Res** 1989 Jul–Oct;2(4–5):317–24 (90 ref.)
Adrenergic receptors and catecholamine effects on sodium transport in the mammalian nephron. Cohen HT, et al. **Semin Nephrol** 1991 Mar;11(2):110–9 (123 ref.)
[Regulation of prolactin secretion at the cellular level] Bilinski M, et al. **Acta Physiol Pharmacol Latinoam** 1990; 40(4):437–98 (525 ref.) (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Molecular biology of adrenergic and dopamine receptors and the study of developmental nephrology. Jose PA, et al. **Pediatr Nephrol** 1990 Nov;4(6):679–85 (52 ref.)

RECEPTORS, DRUG

[Present status and future potential of positron emission tomography] Yamasaki T. **Radioisotopes** 1990 Dec; 39(12):587–96 (25 ref.) **(Jpn)**

ANALYSIS

Mass receptor screening for new drugs. Burch RM, et al. **Pharm Res** 1991 Feb;8(2):141–7 (26 ref.)

DRUG EFFECTS

Drugs and receptors. An overview of the current state of knowledge. Kenakin T. **Drugs** 1990 Nov;40(5):666–87 (159 ref.)
Cell receptor assays. Zoon KC, et al. **J Pharm Biomed Anal** 1989;7(2):147–54 (21 ref.)
Cocaine receptor—design of ligands. Carroll FI, et al. **NIDA Res Monogr** 1990;96:112–21 (15 ref.)
Synthetic and biological studies of potential affinity ligands for the cannabinoid receptor based on CP-55, 244. Richardson S, et al. **NIDA Res Monogr** 1991;105:140–6 (0 ref.)
Drug receptors and control of the cardiovascular system: recent advances. Ruffolo RR Jr, et al. **Prog Drug Res** 1991; 36:117–360 (68 ref.)
Are molecular and electrophysiological data refining models of agonism? Jenkinson D, et al. **Trends Pharmacol Sci** 1990 Mar;11(3):91–4 (20 ref.)
[New findings in the molecular mechanisms of drugs] Höltje HD, et al. **Pharm Unserer Zeit** 1991 Mar;20(2):59–63 (0 ref.) **(Ger)**

GENETICS

Genetic and molecular analysis of the Ah receptor and of Cyp1a1 gene expression. Hankinson O, et al. **Biochimie** 1991 Jan;73(1):61–6 (37 ref.)
Regulation of receptor expression by agonists: transcriptional and post-transcriptional controls. Hadcock JR, et al. **Trends Neurosci** 1991 Jun;14(6):242–7 (28 ref.)

METABOLISM

Receptor-mediated endocytosis of macromolecular conjugates in selective drug delivery. Basu SK. **Biochem Pharmacol** 1990 Nov 1;40(9):1941–6 (58 ref.)
G protein coupling of receptors to ionic channels and other effector systems. Birnbaumer L, et al. **Br J Clin Pharmacol** 1990;30 Suppl 1:13S–22S (32 ref.)

Receptors, inositol polyphosphates and intracellular Ca2+. Nahorski SR. **Br J Clin Pharmacol** 1990;30 Suppl 1:23S–26S (13 ref.)

Macromolecular sites for specific neurotoxins and drugs on chemosensitive synapses and electrical excitation in biological membranes. Albuquerque EX, et al. **Ion Channels** 1988;1:95–162 (270 ref.)

Receptor binding in the drug discovery process. Williams M. **Med Res Rev** 1991 Mar;11(2):147–84 (71 ref.)

Synthesis and receptor binding of cocaine analogs. Carroll FI, et al. **NIDA Res Monogr** 1991;105:147–53 (11 ref.)

The cannabinoid receptor: biochemical, anatomical and behavioral characterization. Howlett AC, et al. **Trends Neurosci** 1990 Oct;13(10):420–3 (42 ref.)

Reverse pharmacology applied to the cannabinoid receptor. Howlett AC. **Trends Pharmacol Sci** 1990 Oct;11(10):395–7 (35 ref.)

[Life cycle of membranous receptors] Yao YZ, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul;21(3):242–6 (39 ref.) **(Chi)**

[Is chirality a key to stereoselective drug action?] Cegla M, et al. **Postepy Hig Med Dosw** 1990;44(4–6):279–98 (53 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

2,3,7,8–Tetrachlorodibenzo–p–dioxin induces cytochrome P450IA1 enzyme activity by activating transcription of the corresponding gene. Lusska AE, et al. **Adv Enzyme Regul** 1991;31:307–17 (48 ref.)

The Ah receptor and the mechanism of dioxin toxicity. Landers JP, et al. **Biochem J** 1991 Jun 1;276 (Pt 2):273–87 (239 ref.)

Clonidine–displacing substance (CDS) and its putative imidazoline receptor. New leads for further divergence of alpha 2–adrenergic receptor activity. Atlas D. **Biochem Pharmacol** 1991 Jun 1;41(11):1541–9 (57 ref.)

Central receptors and recognition sites mediating the effects of monoamines and anorectic drugs on feeding behavior. Angel I. **Clin Neuropharmacol** 1990 Oct;13(5):361–91 (283 ref.)

Diversity in receptor signalling: cellular individuality and the search for selective drugs. Fredholm BB. **J Intern Med** 1991 May;229(5):391–406 (99 ref.)

The expanding family of guanylyl cyclases. Schulz S, et al. **Trends Pharmacol Sci** 1991 Mar;12(3):116–20 (47 ref.)

RECEPTORS, ENDOGENOUS SUBSTANCES

TGF–beta receptors. Segarini PR. **Ciba Found Symp** 1991; 157:29–40; discussion 41–50 (57 ref.)

New thoughts on the evolution of hormone–receptor systems. Schwabe C. **Comp Biochem Physiol A** 1990;97(2):101–6 (31 ref.)

Growth factor receptors. Damjanov I. **Curr Top Pathol** 1991; 83:159–86 (237 ref.)

Morphological characterization of cell receptors. Dietel M. **Curr Top Pathol** 1991;83:71–116 (146 ref.)

Biochemical characterization of cellular hormone receptors. Jüppner H, et al. **Curr Top Pathol** 1991;83:53–69 (84 ref.)

Tumor necrosis factor. Characterization at the molecular, cellular and in vivo level. Fiers W. **FEBS Lett** 1991 Jul 22;285(2):199–212 (153 ref.)

Receptor–like oncogenes: functional analysis through novel experimental approaches. Yarden Y. **Mol Immunol** 1990 Dec;27(12):1319–24 (46 ref.)

ANALYSIS

Renal glomerular and tubular insulin and insulin–like growth factor receptors. Meezan E, et al. **Contrib Nephrol** 1990; 83:60–6 (35 ref.)

Structure/function relationship of proteins belonging to the family of receptors coupled to GTP–binding proteins. Strosberg AD. **Eur J Biochem** 1991 Feb 26;196(1):1–10 (66 ref.)

Vascular receptors for atrial natriuretic peptide in hypertension. Schiffrin EL. **Int J Rad Appl Instrum [B]** 1990;17(7):673–6 (20 ref.)

Mass receptor screening for new drugs. Burch RM, et al. **Pharm Res** 1991 Feb;8(2):141–7 (26 ref.)

Factor hunting made easier. Steele RE. **Trends Biochem Sci** 1991 Apr;16(4):125–6 (8 ref.)

[Clinical–diagnostic significance of steroid hormone receptor determinations] Martin R, et al. **Z Gesamte Inn Med** 1991 Apr;46(5):150–5 (32 ref.) (Eng. Abstr.) **(Ger)**

[Receptors for biologically active substances in the light of the studies using monoclonal antibodies] Lipski S. **Postepy Hig Med Dosw** 1989;43(2–4):161–97 (128 ref.) (Eng. Abstr.) **(Pol)**

ANTAGONISTS & INHIBITORS

Biochemical pharmacology of platelet–activating factor (and PAF antagonists) in relation to clinical and experimental thrombocytopenia. Meade CJ, et al. **Biochem Pharmacol** 1991 Mar 1;41(5):657–68 (121 ref.)

Mass ligand binding screening for receptor antagonists: prototype new drugs and blind alleys. Burch RM. **J Recept Res** 1991;11(1–4):101–13 (12 ref.)

CHEMISTRY

Dimerization among nuclear hormone receptors. Forman BM, et al. **New Biol** 1990 Jul;2(7):587–94 (72 ref.)

CLASSIFICATION

Classification of cell receptors. Hesch RD. **Curr Top Pathol** 1991;83:13–51 (37 ref.)

The non–NMDA receptors: types, protein structure and molecular biology. Barnard EA, et al. **Trends Pharmacol Sci** 1990 Dec;11(12):500–7 (37 ref.)

DRUG EFFECTS

Bacterial toxins as probe for receptor–Gi coupling. Ui M, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:63–9 (13 ref.)

Is N–methyl–N'–nitro–N–nitrosoguanidine a hormonal carcinogen? (Review). Kodama M, et al. **Anticancer Res** 1991 Mar–Apr;11(2):941–6 (38 ref.)

Regulation of receptor–mediated endocytosis by phorbol esters. Backer JM, et al. **Biochem Pharmacol** 1991 May 1; 41(9):1267–77 (142 ref.)

Parathyroid hormone–related protein (PTHrP): studies with synthetic peptides indicate that parathyroid hormone and PTHrP interact with the same receptor. Caulfield MP, et al. **Int J Rad Appl Instrum [B]** 1990;17(7):633–7 (56 ref.)

The receptor for human urokinase: a potential target for anti–invasive and anti–metastatic therapy. Masucci MT, et al. **Thromb Res Suppl** 1990;11:49–60 (50 ref.)

[Allosteric receptor modulators—a new model for designing drugs] Komissarov IV. **Farmakol Toksikol** 1990 Sep–Oct; 53(5):3–7 (43 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Genomic imprinting and the strange case of the insulin–like growth factor II receptor. Haig D, et al. **Cell** 1991 Mar 22;64(6):1045–6 (16 ref.)

Oncogene and receptor expression. Höfler H. **Curr Top Pathol** 1991;83:435–56 (89 ref.)

A new superfamily of cell surface proteins related to the nerve growth factor receptor. Mallett S, et al. **Immunol Today** 1991 Jul;12(7):220–3 (33 ref.)

Profile of a mammalian sperm receptor gene. Kinloch RA, et al. **New Biol** 1989 Dec;1(3):232–8 (64 ref.)

Structure and function of G protein coupled receptors. Lameh J, et al. **Pharm Res** 1990 Dec;7(12):1213–21 (62 ref.)

Primitive neuroectodermal tumors (PNETs) of the CNS and PNS that express functional nerve growth factor receptors (NGFR) but fail to differentiate in response to NGF. Reddy UR, et al. **Prog Clin Biol Res** 1991;366:243–8 (31 ref.)

Receptor tyrosine kinases: genetic evidence for their role in Drosophila and mouse development. Pawson T, et al. **Trends Genet** 1990 Nov;6(11):350–6 (39 ref.)

Opposite imprinting of the mouse Igf2 and Igf2r genes. Willison K. **Trends Genet** 1991 Apr;7(4):107–9 (16 ref.)

[Apolipoprotein B100 and LDL receptors: genetic and metabolic aspects] Chapman MJ. **Journ Annu Diabetol Hotel Dieu** 1991;:35–7 (2 ref.) **(Fre)**

IMMUNOLOGY

Receptor autoimmunity in endocrine disorders. Wilkin TJ. **N Engl J Med** 1990 Nov 8;323(19):1318–24 (52 ref.)

METABOLISM

Intracellular messengers associated with excitatory amino acid (EAA) receptors. Bockaert J, et al. **Adv Exp Med Biol** 1990;268:79–91 (45 ref.)

Biosensor trends. Receptors, enzymes, and antibodies. Wingard LB Jr. **Ann N Y Acad Sci** 1990;613:44–53 (25 ref.)

Clathrin, adaptors, and sorting. Pearse BM, et al. **Annu Rev Cell Biol** 1990;6:151–71 (95 ref.)

The reversible cross–linking of receptors by ligands: theory for the prediction of binding responses. Mark AE, et al. **Biochem Int** 1990 Nov;22(4):685–97 (23 ref.)

Specificity of interactions of receptors and effectors with GTP–binding proteins in native membranes. Milligan G, et al. **Biochem Soc Symp** 1990;56:21–34 (49 ref.)

Antibodies as probes of G–protein receptor–effector coupling and of G–protein membrane attachment. Spiegel AM, et al. **Biochem Soc Symp** 1990;56:61–9 (28 ref.)

Biological receptors in biosensors. Rowell FJ. **Biochem Soc Trans** 1991 Feb;19(1):32–5 (18 ref.)

Identification of a cell surface receptor common to germ and somatic cells. Garbers DL. **Biol Reprod** 1991 Feb; 44(2):225–30 (70 ref.)

"Calcium receptors" on eukaryotic cells with special reference to the osteoclast. Zaidi M. **Biosci Rep** 1990 Dec; 10(6):493–507 (34 ref.)

Steroid hormone receptors as transactivators of gene expression. O'Malley BW. **Biotechnology** 1991;16:35–41 (12 ref.)

The insulin–like growth factors, their receptors, and their binding proteins in human breast cancer. Yee D, et al. **Cancer Treat Res** 1991;53:93–106 (55 ref.)

Capacitative calcium entry revisited. Putney JW Jr. **Cell Calcium** 1990 Nov–Dec;11(10):611–24 (55 ref.)

Multiple ligand binding functions for VLA–2 (alpha 2 beta 1) and VLA–3 (alpha 3 beta 1) in the integrin family. Hemler ME, et al. **Cell Differ Dev** 1990 Dec 2;32(3):229–38 (32 ref.)

Cytokines and their receptors. Benton HP. **Curr Opin Cell Biol** 1991 Apr;3(2):171–5 (47 ref.)

Current developments in G–protein–coupled receptors. Libert F, et al. **Curr Opin Cell Biol** 1991 Apr;3(2):218–23 (53 ref.)

Tissue localization of nerve growth factor and nerve growth factor receptors. Bothwell M. **Curr Top Microbiol Immunol** 1991;165:55–70 (91 ref.)

The membrane receptor for nerve growth factor. Chao MV. **Curr Top Microbiol Immunol** 1991;165:39–53 (73 ref.)

Biochemical characterization of the nerve growth factor receptor in neural–related tumors. Ross AH, et al. **Curr Top Microbiol Immunol** 1991;165:27–38 (63 ref.)

Internalization of endogenous and exogenous atrial natriuretic peptide by target tissues. Morel G, et al. **Electron Microsc Rev** 1988;1(2):221–59 (131 ref.)

HDL receptors and cholesterol efflux from parenchymal cells. Slotte JP. **Eur Heart J** 1990 Aug;11 Suppl E:212–7 (39 ref.)

Haemopoietic receptors and helical cytokines. Bazan JF. **Immunol Today** 1990 Oct;11(10):350–4 (72 ref.)

CD4, CD8 and the TCR–CD3 complex: a novel class of protein–tyrosine kinase receptor. Rudd CE. **Immunol Today** 1990 Nov;11(11):400–6 (65 ref.)

Structure and function of tyrosine kinase receptors. White MF. **J Bioenerg Biomembr** 1991 Feb;23(1):63–82 (91 ref.)

Oscillating intracellular Ca2+ signals evoked by activation of receptors linked to inositol lipid hydrolysis: mechanism of generation. Petersen OH, et al. **J Membr Biol** 1990 Nov; 118(2):93–105 (110 ref.)

Aspecific and specific intermolecular interactions in aqueous media. van Oss CJ. **J Mol Recognit** 1990 Jun;3(3):128–36 (53 ref.)

Receptors and dormant receptors—messengers and opportunistic ligands. Ariëns EJ. **J Recept Res** 1991; 11(1–4):1–11 (15 ref.)

Neuropeptide hormone receptors: strategies for identification. Richter D, et al. **J Recept Res** 1991;11(1–4):483–505 (32 ref.)

New principle in QSAR: membrane requirements. Schwyzer R. **J Recept Res** 1991;11(1–4):45–57 (38 ref.)

Insulin–like growth factor 1 receptors (IGF1–R) and IGF1 in human breast tumors. Peyrat JP, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):823–7 (29 ref.)

Reconstitution of receptors and G proteins in phospholipid vesicles. Cerione RA, et al. **Methods Enzymol** 1991; 195:329–42 (47 ref.)

Modulator: the missing link. Bodine PV, et al. **Mol Cell Endocrinol** 1990 Nov 12;74(1):C77–81 (31 ref.)

Interaction of hsp90 with steroid receptors: organizing some diverse observations and presenting the newest concepts. Pratt WB. **Mol Cell Endocrinol** 1990 Nov 12;74(1):C69–76 (47 ref.)

Ligand–gated ion channels in the brain: the amino acid receptor superfamily. Betz H. **Neuron** 1990 Oct;5(4):383–92 (96 ref.)

G proteins. Linkages with amine receptors. Manning DR. **Neuropsychopharmacology** 1990 Oct–Dec;3(5–6):447–55 (57 ref.)

The guanylyl cyclase receptor family. Garbers DL. **New Biol** 1990 Jun;2(6):499–504 (45 ref.)

A membrane–bound form of the acute–phase protein C–reactive protein is the galactose–specific particle receptor on rat liver macrophages. Kolb–Bachofen V. **Pathobiology** 1991;59(4):272–5 (32 ref.)

Vascular activities of the endothelins. Randall MD. **Pharmacol Ther** 1991;50(1):73–93 (148 ref.)

A view about the function of auxin–binding proteins at plasma membranes. Klämbt D. **Plant Mol Biol** 1990 Jun; 14(6):1045–50 (41 ref.)

Structural and functional aspects of the receptors for platelet–derived growth factor. Westermark B, et al. **Prog Growth Factor Res** 1989;1(4):253–66 (72 ref.)

A review of in vivo modulation of cerebellar cGMP levels by excitatory amino acid receptors: role of NMDA, quisqualate and kainate subtypes. Wood PL, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1991; 15(2):229–35 (35 ref.)

Depression and antidepressant therapy: receptor dynamics. Zemlan FP, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(4):503–23 (90 ref.)

Localization and modulation of brain and pituitary receptors involved in stress responses. De Souza EB. **Psychopharmacol Bull** 1988;24(3):360–4 (25 ref.)

From auxin–binding protein to plant hormone receptor? Napier RM, et al. **Trends Biochem Sci** 1991 Feb;16(2):72–5 (29 ref.)

Mitochondrial import receptors for precursor proteins. Pfanner N, et al. **Trends Biochem Sci** 1991 Feb;16(2):63–7 (36 ref.)

The divergent receptors for TNF. Sprang SR. **Trends Biochem Sci** 1990 Oct;15(10):366–8 (19 ref.)

Three–dimensional modelling of G protein–linked receptors [published erratum appears in Trends Pharmacol Sci 1991 Mar;12(3):81] Findlay J, et al. **Trends Pharmacol Sci** 1990 Dec;11(12):492–9 (40 ref.)

Endothelin: isoforms, binding sites and possible implications in pathology. Nayler WG. **Trends Pharmacol Sci** 1990 Mar; 11(3):96–9 (37 ref.)

Multiple receptors found for the growing FGF family.

Robinson CJ. **Trends Pharmacol Sci** 1991 Apr;12(4):123–4 (3 ref.)

Pharmacological and functional characteristics of metabotropic excitatory amino acid receptors. Schoepp D, et al. **Trends Pharmacol Sci** 1990 Dec;11(12):508–15 (55 ref.)

Endothelin receptors cloned, endothelin converting enzyme characterized and pathophysiological roles for endothelin proposed. Webb DJ. **Trends Pharmacol Sci** 1991 Feb; 12(2):43–6 (14 ref.)

Excitatory amino acid receptors in the brain: membrane binding and receptor autoradiographic approaches. Young AB, et al. **Trends Pharmacol Sci** 1990 Mar;11(3):126–33 (32 ref.)

[Life cycle of membranous receptors] Yao YZ, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul;21(3):242–6 (39 ref.) **(Chi)**

[The receptors for bacterial enterotoxins] Lucas F, et al. **Ann Rech Vet** 1991;22(2):127–45 (50 ref.) (Eng. Abstr.) **(Fre)**

[Signal transduction mechanism of Ca2(+)-mobilizing hormone receptor and GTP binding proteins] Okajima F. **Seikagaku** 1990 Sep;62(9):1117–43 (216 ref.) **(Jpn)**

[The molecular mechanisms of the interaction of hormonal receptors coupled with G-proteins] Voeĭkov VL, et al. **Fiziol Zh SSSR** 1990 Sep;76(9):1138–44 (25 ref.) (Eng. Abstr.) **(Rus)**

[Neurochemistry of the mesencephalic substantia nigra: interrelations between excitatory amino acids, N-methyl-D-aspartate type receptors and intrinsic neuronal systems] Bustos G, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):59–64 (41 ref.) (Eng. Abstr.) **(Spa)**

[Molecular pharmacology—the road to selective pharmacotherapy?] Fredholm BB. **Lakartidningen** 1991 Feb 6;88(6):413–4, 417–21 (45 ref.) (Eng. Abstr.) **(Swe)**

PHYSIOLOGY

Basal, cell-specific and hormonal regulation of gene transcription: an overview of the 1980s. Eberhardt NL. **Acta Paediatr Scand Suppl** 1990;370:141–52 (85 ref.)

Binding of apolipoproteins A to adipose cells: role of receptor sites in cholesterol efflux and purification of binding protein(s). Barbaras R, et al. **Adv Exp Med Biol** 1991; 285:85–92 (28 ref.)

The endocytosis of lipoproteins by the liver and their intracellular pathway in comparison to other ligands. Jäckle S, et al. **Adv Exp Med Biol** 1991;285:319–24 (26 ref.)

The anterior third ventricle region is a receptor site for composition rather than volume of body fluids. Lichardus B, et al. **Adv Exp Med Biol** 1990;274:211–26 (18 ref.)

Atrial regulation of intravascular volume: observations on the tachycardia-polyuria syndrome. Zullo MA. **Am Heart J** 1991 Jul;122(1 (Pt 1)):188–94 (108 ref.)

Cellular basis of hormonal actions in the glomerulus. Menè P, et al. **Am J Nephrol** 1990;10 Suppl 1:28–35 (46 ref.)

A system of transforming growth factor-beta receptors. Segarini PR. **Am J Respir Cell Mol Biol** 1991 May; 4(5):395–6 (8 ref.)

Role of enzyme receptors and inhibitors in regulating proteolytic activities of macrophages. Chapman HA Jr. **Ann N Y Acad Sci** 1991;624:87–96 (58 ref.)

Model systems for the study of seven-transmembrane-segment receptors. Dohlman HG, et al. **Annu Rev Biochem** 1991;60:653–88 (258 ref.)

Models for receptor-mediated cell phenomena: adhesion and migration. Lauffenburger DA. **Annu Rev Biophys Biophys Chem** 1991;20:387–414 (124 ref.)

Extracellular matrix molecules and their receptors: functions in neural development. Reichardt LF, et al. **Annu Rev Neurosci** 1991;14:531–70 (260 ref.)

Receptor-mediated activation of phospholipase A2 and arachidonic acid release in signal transduction. Axelrod J. **Biochem Soc Trans** 1990 Aug;18(4):503–7 (45 ref.)

Receptor-coupled phospholipase D: regulation and functional significance. Billah MM, et al. **Biochem Soc Trans** 1991 Apr;19(2):324–9 (57 ref.)

Anti-idiotypic antibodies against hormone and neurotransmitter receptors. Couraud PO, et al. **Biochem Soc Trans** 1991 Feb;19(1):147–51 (24 ref.)

Regulation of phospholipase A2 by receptors in MDCK-D1 cells. Insel PA, et al. **Biochem Soc Trans** 1991 Apr; 19(2):329–33 (38 ref.)

A membrane receptor kinase that regulates development in Bacillus subtilis. Stock J. **Bioessays** 1990 Aug;12(8):387–8 (10 ref.)

Structure of tumor necrosis factor and its receptor. Aggarwal BB. **Biotherapy** 1991;3(2):113–20 (56 ref.)

Receptor regulation of atrial natriuretic factor. Chabrier PE, et al. **Blood Vessels** 1990;27(2-5):153–61 (37 ref.)

The biological role of naturally-occurring cytokine inhibitors. Arend WP, et al. **Br J Rheumatol** 1991;30 Suppl 2:49–52 (15 ref.)

Receptor-mediated stimulation of phosphoinositide metabolism and protein kinase C. Jaken S, et al. **Cancer Cells** 1990 Dec;2(12):401–5 (0 ref.)

Cross-coupling of AP-1 and intracellular hormone receptors. Lamph WW. **Cancer Cells** 1991 May;3(5):183–5 (20 ref.)

Structural and functional interrelationship of the intracellular receptor for inositol (1,4,5) trisphosphate. Shears SB. **Cancer Cells** 1991 Mar;3(3):97–9 (12 ref.)

Steroid modulation of the expression of growth factors and oncogenes in breast cancer. McCarty KS Jr, et al. **Cancer Treat Res** 1991;53:197–220 (125 ref.)

Keeping track of neurotrophin receptors. Bothwell M. **Cell** 1991 Jun 14;65(6):915–8 (28 ref.)

Receptor-activated cytoplasmic Ca2+ oscillations in pancreatic acinar cells: generation and spreading of Ca2+ signals. Petersen OH, et al. **Cell Calcium** 1991 Feb-Mar; 12(2-3):135–44 (44 ref.)

The urokinase receptor and regulation of cell surface plasminogen activation. Blasi F, et al. **Cell Differ Dev** 1990 Dec 2;32(3):247–53 (46 ref.)

Plasminogen receptors in the mediation of pericellular proteolysis. Plow EF, et al. **Cell Differ Dev** 1990 Dec 2; 32(3):293–8 (34 ref.)

The growth hormone binding protein as a paradigm of the erythropoietin superfamily of receptors. Hochberg Z, et al. **Cell Signal** 1991;3(2):85–91 (74 ref.)

Signal transduction via G-protein-linked receptors: physiological regulation from the plasma membrane to the genome. Malbon CC, et al. **Chin J Physiol** 1991; 34(1):105–20 (39 ref.)

Structure and function of the erythropoietin receptor in stable erythropoietin-dependent transfectants. D'Andrea AD, et al. **Contrib Nephrol** 1991;88:48–56; discussion 57–8 (12 ref.)

Extracellular matrix molecules and their receptors: an overview with special emphasis on periodontal tissues. Uitto VJ, et al. **Crit Rev Oral Biol Med** 1991;2(3):323–54 (243 ref.)

Peptide hormone receptors. Lloyd J, et al. **Curr Top Pathol** 1991;83:143–57 (59 ref.)

Ligand-receptor and junction-mediated cell-cell interactions: comparison of the two principles. Chailakhyan LM. **Differentiation** 1990 Oct;45(1):1–6 (15 ref.)

Molecular and cellular mechanisms of receptor-mediated endocytosis. Brown VI, et al. **DNA Cell Biol** 1991 Jul-Aug; 10(6):399–409 (94 ref.)

Insulin and insulin-like growth factor I in early development: peptides, receptors and biological events. de Pablo F, et al. **Endocr Rev** 1990 Nov;11(4):558–77 (175 ref.)

Endocrine factors in common epithelial ovarian cancer. Rao BR, et al. **Endocr Rev** 1991 Feb;12(1):14–26 (179 ref.)

Platelet-derived growth factor and its receptor in blood cell differentiation and neoplasia. Pantazis P, et al. **Eur J Haematol** 1990 Sep;45(3):127–38 (107 ref.)

Adaptive regulation of hormone interaction with receptor. Viru A. **Exp Clin Endocrinol** 1991 Mar;97(1):13–28 (105 ref.)

Transduction of receptor signal into modulation of effector activity by G proteins: the first 20 years or so .... Birnbaumer L. **FASEB J** 1990 Nov;4(14):3178–88 (108 ref.)

Structure-activity relationships for transmembrane signaling: the receptor's turn. Hollenberg MD. **FASEB J** 1991 Feb; 5(2):178–86 (59 ref.)

Current concepts in gamete receptors for fertilization in mammals. Sidhu KS, et al. **Int Rev Cytol** 1991;127:253–88 (220 ref.)

Transforming growth factor-beta receptors and binding proteoglycans. Boyd FT, et al. **J Cell Sci Suppl** 1990; 13:131–8 (19 ref.)

Resiniferatoxin and its analogs provide novel insights into the pharmacology of the vanilloid (capsaicin) receptor. Szallasi A, et al. **Life Sci** 1990;47(16):1399–408 (45 ref.)

Interactions among a subfamily of nuclear hormone receptors: the regulatory zipper model. Forman BM, et al. **Mol Endocrinol** 1990 Sep;4(9):1293–301 (88 ref.)

Excitatory amino acid transmitters and their receptors in neural circuits of the cerebral neocortex. Tsumoto T. **Neurosci Res** 1990 Nov;9(2):79–102 (208 ref.)

Hybrid receptors. Jacobs S, et al. **New Biol** 1991 Feb; 3(2):110–5 (29 ref.)

Excitatory amino acids in the developing brain: ontogeny, plasticity, and excitotoxicity. Hattori H, et al. **Pediatr Neurol** 1990 Jul-Aug;6(4):219–28 (100 ref.)

Receptor regulation of phosphoinositidase C. Martin TF. **Pharmacol Ther** 1991;49(3):329–45 (162 ref.)

Regulation of the metabolism of 1,2-diacylglycerols and inositol phosphates that respond to receptor activation. Shears SB. **Pharmacol Ther** 1991;49(1-2):79–104 (252 ref.)

Transduction mechanisms for the taste of amino acids. Brand JG, et al. **Physiol Behav** 1991 May;49(5):899–904 (26 ref.)

Receptors that activate platelets. Colman RW. **Proc Soc Exp Biol Med** 1991 Jul;197(3):242–8 (74 ref.)

Excitatory amino acid receptors of cerebellar Purkinje cells: development and plasticity. Crepel F, et al. **Prog Biophys Mol Biol** 1991;55(1):31–46 (93 ref.)

Injury and repair of central cholinergic neurons. Cuello AC, et al. **Prog Brain Res** 1990;84:301–11 (84 ref.)

Receptor-effector coupling by G-proteins: implications for neuronal plasticity. Spiegel AM. **Prog Brain Res** 1990; 86:269–76 (40 ref.)

Receptor tyrosine kinases mediate cell-cell interactions during Drosophila development. Basler K, et al. **Prog Growth Factor Res** 1990;2(1):15–27 (34 ref.)

Cellular receptors of hormones and nonhormone ligands in normal and malignant cells. Dietel M, et al. **Recent Results Cancer Res** 1990;118:1–18 (83 ref.)

Hormone receptors and cellular signal transduction. Gautvik KM, et al. **Scand J Clin Lab Invest Suppl** 1990;202:123–6 (18 ref.)

Functional studies of Ca2+ channels from plasmalemma and sarcoplasmic reticulum membranes in muscle cells. García J, et al. **Semin Cell Biol** 1990 Aug;1(4):255–64 (140 ref.)

Activation of the erythropoietin receptor in stable lymphoid and myeloid transfectants. D'Andrea AD, et al. **Semin Hematol** 1991 Apr;28(2):152–7 (14 ref.)

Agonist control of G-protein levels. Milligan G, et al. **Trends Pharmacol Sci** 1991 Jun;12(6):207–9 (23 ref.)

Structure—function relationships of the glycoprotein hormones and their receptors. Reichert LE Jr, et al. **Trends Pharmacol Sci** 1991 May;12(5):199–203 (48 ref.)

[New findings in the pathogenesis and diagnosis of disorders of growth and development in children including receptor disorders] Kalvachová B. **Cesk Pediatr** 1990 Jul;45(7):414–8 (31 ref.) **(Cze)**

[Current data of the membrane receptors of the vascular smooth muscle fibers] Stoclet JC. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:45–52 (30 ref.) (Eng. Abstr.) **(Fre)**

[Excitatory amino acid receptors] Cazin M, et al. **J Pharm Belg** 1991 Mar-Apr;46(2):100–6 (22 ref.) (Eng. Abstr.) **(Fre)**

[Cooperativity between surface receptors and cytoskeleton] Unger VE, et al. **Acta Histochem Suppl** 1990;39:303–10 (31 ref.) (Eng. Abstr.) **(Ger)**

[Principles and clinical significance of insulin-like growth factors/somatomedins] Weimann E, et al. **Klin Wochenschr** 1990 Oct 17;68(20):985–1002 (160 ref.) (Eng. Abstr.) **(Ger)**

[Second messenger systems in the gastrointestinal tract] Pfeiffer A, et al. **Z Gastroenterol Verh** 1991 Mar;26:273–7 (30 ref.) **(Ger)**

[Synaptic mechanisms of excitatory amino acids and NMDA receptor mediated brain excitability] Yamamura T, et al. **Masui** 1990 Nov;39(11):1448–59 (39 ref.) (Eng. Abstr.) **(Jpn)**

[Hormones and breast development] Bagramian ER, et al. **Akush Ginekol (Mosk)** 1990 Dec;(12):3–6 (45 ref.) **(Rus)**

[Role of protein receptors of Vitamin A in the mechanism of antitumor action of retinoids] Piatchanina TV, et al. **Eksp Onkol** 1990;12(6):8–13 (50 ref.) (Eng. Abstr.) **(Rus)**

[Protein C, protein S and thrombomodulin: one of the natural antithrombotic mechanisms] Lobato-Mendizábal E, et al. **Rev Invest Clin** 1990 Jan-Mar;42(1):54–62 (130 ref.) (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Cloned genes for ligand-operated ion channels and their expression in vitro. Barnard EA, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:20–9 (25 ref.)

RECEPTORS, ENDORPHIN

Epilepsy. Fisher RS, et al. **J Nucl Med** 1991 Apr;32(4):651–9 (95 ref.)

ANALYSIS

Detection and quantification of opiate receptors in man by positron emission tomography. Potential applications to the study of pain. Sadzot B, et al. **Neurophysiol Clin** 1990 Nov; 20(5):323–34 (29 ref.)

[Opioid receptor] Saji H. **Nippon Rinsho** 1991 Jul; 49(7):1556–61 (6 ref.) **(Jpn)**

CHEMISTRY

Structural and functional similarities of opiate receptors of neural and immune origin. Carr DJ, et al. **NIDA Res Monogr** 1990;96:122–130 (41 ref.)

DRUG EFFECTS

In vitro effects of 17 beta-oestradiol on the sensitivity of receptors coupled to adenylate cyclase on striatal neurons in primary culture. Maus M, et al. **Ciba Found Symp** 1990; 153:145–53; discussion 153–5 (27 ref.)

Opioid agonist-antagonist drugs in acute and chronic pain states. Hoskin PJ, et al. **Drugs** 1991 Mar;41(3):326–44 (118 ref.)

Opioid receptors: development of selective peptidomimetics with agonist or antagonist activity. Ronsisvalle G, et al. **Farmaco** 1991 Jan;46(1 Suppl):171–5 (18 ref.)

Pharmacological properties of newly synthesized derivatives of (-)-6 beta-acetylthionormorphine and their interactions with opioid receptors. Takayanagi I, et al. **Gen Pharmacol** 1990;21(5):605–11 (35 ref.)

Opium alkaloids and affinity labels. Archer S, et al. **NIDA Res Monogr** 1990;96:21–34 (20 ref.)

Opioids can evoke direct receptor-mediated excitatory as well as inhibitory effects on sensory neuron action potentials. Crain SM, et al. **NIDA Res Monogr** 1991; 105:34–9 (21 ref.)

Opioid involvement in the rewarding effects of chronic cocaine. Hammer RP Jr, et al. **NIDA Res Monogr** 1991; 105:182–8 (16 ref.)

The bivalent ligand approach in the design of highly selective opioid receptor antagonists. Portoghese PS. **NIDA Res Monogr** 1990;96:3–20 (23 ref.)

Neural control of immune function: opioids, opioid receptors and immunosuppression. Weber RJ, et al. **NIDA Res Monogr** 1991;105:96–102 (0 ref.)

Opioid antagonists: structure activity relationships. Zimmerman DM, et al. **NIDA Res Monogr** 1990;96:50–60 (25 ref.)

Development of delta opioid peptides as nonaddicting

analgesics. Rapaka RS, et al. **Pharm Res** 1991 Jan;8(1):1–8 (88 ref.)
Opiate receptors: opioid agonist–antagonist effects. Goldstein DJ, et al. **Pharmacotherapy** 1991;11(2):164–7 (30 ref.)
Opiate receptors: search for new drugs. Kolb VM. **Prog Drug Res** 1991;36:49–70 (92 ref.)
[Pharmacology and mechanism of action of opiates administered by the subarachnoid route] Bonnet F, et al. **Cah Anesthesiol** 1991;39(2):83–6 (37 ref.) (Eng. Abstr.) **(Fre)**
[Opioids by the perimedullary route: mechanisms of opioid analgesia] Viel E, et al. **Cah Anesthesiol** 1991;39(2):75–82 (96 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Opioid peptides, receptors, and immune function. Bhargava HN. **NIDA Res Monogr** 1990;96:220–33 (65 ref.)

METABOLISM

Opioid receptors and their ligands: natural and unnatural. Pleuvry BJ. **Br J Anaesth** 1991 Mar;66(3):370–80 (89 ref.)
Steroid binding at sigma receptors: CNS and immunological implications. Su TP, et al. **Ciba Found Symp** 1990; 153:107–13; discussion 113–6 (7 ref.)
Sigma receptors: from molecule to man. Ferris CD, et al. **J Neurochem** 1991 Sep;57(3):729–37 (84 ref.)
Sigma binding sites in the brain; an emerging concept for multiple sites and their relevance for psychiatric disorders. Itzhak Y, et al. **Life Sci** 1990;47(13):1073–81 (69 ref.)
Opiate binding sites on cells of the immune system. Madden JJ, et al. **NIDA Res Monogr** 1991;105:103–8 (9 ref.)

PHYSIOLOGY

Importance of opioid receptors in the pathogenesis of endocrine abnormalities in chronic renal failure. Grzeszczak W, et al. **Acta Med Pol** 1988;29(3–4):115–29 (59 ref.)
Self-injurious behavior: a review of the behavior and biology of self-mutilation. Winchel RM, et al. **Am J Psychiatry** 1991 Mar;148(3):306–17 (116 ref.)
Differential roles of opioid receptors in respiration, respiratory disease, and opiate-induced respiratory depression. Shook JE, et al. **Am Rev Respir Dis** 1990 Oct; 142(4):895–909 (239 ref.)
On the role of adenylate cyclase in presynaptic modulation of neurotransmitter release mediated by monoamine and opioid receptors in the brain. Mulder AH, et al. **Ann N Y Acad Sci** 1990;604:237–49 (60 ref.)
Possible mechanisms of morphine analgesia. Lipp J. **Clin Neuropharmacol** 1991 Apr;14(2):131–47 (56 ref.)
Multiple opioid receptors and GTP-binding proteins. Ueda H, et al. **Comp Biochem Physiol [C]** 1991;98(1):157–69 (79 ref.)
The neural substrates of drug addiction and dependence. Pulvirenti L, et al. **Funct Neurol** 1990 Apr–Jun;5(2):109–19 (75 ref.)
Kappa agonists and vasopressin secretion. Hamon G, et al. **Horm Res** 1990;34(3–4):129–32 (52 ref.)
Central analgesic mechanisms: a review of opioid receptor physiopharmacology and related antinociceptive systems. Murkin JM. **J Cardiothorac Vasc Anesth** 1991 Jun; 5(3):268–77 (133 ref.)
Opioid receptor–coupled second messenger systems. Childers SR. **Life Sci** 1991;48(21):1991–2003 (141 ref.)
Opioid receptors and endogenous opioid peptides. Simon EJ. **Med Res Rev** 1991 Jul;11(4):357–74 (85 ref.)
Sigma receptors: biology and function. Walker JM, et al. **Pharmacol Rev** 1990 Dec;42(4):355–402 (248 ref.)
Opioids and opioid receptors mediating antinociception at various levels of the neuraxis. Herz A, et al. **Physiol Bohemoslov** 1990;39(5):395–401 (39 ref.)
Peripheral opioid receptors and the cough reflex. Adcock JJ. **Respir Med** 1991 Jan;85 Suppl A:43–6 (23 ref.)
Influence of opiate systems in pain transmission during angina pectoris. Droste C. **Z Kardiol** 1990;79 Suppl 3:31–43 (181 ref.)
[Menstrual cycle, opioids and hypothalamic amenorrhea: from physiology to pathology] Krause B, et al. **Zentralbl Gynakol** 1990;112(12):725–33 (0 ref.) (Eng. Abstr.) **(Ger)**
[The heterogeneity of the nociceptive and antinociceptive peptide mechanisms and their correlation with the genesis of pain] Kaliuzhnyi LV. **Usp Fiziol Nauk** 1990 Oct–Dec; 21(4):68–84 (133 ref.) **(Rus)**

RECEPTORS, ENKEPHALIN see **RECEPTORS, ENDORPHIN**

RECEPTORS, EPIDERMAL GROWTH FACTOR-UROGASTRONE

BIOSYNTHESIS

Modulation of EGF receptor protooncogene expression by growth factors and hormones in human breast carcinoma cells. Fernandez-Pol JA. **Crit Rev Oncog** 1991;2(2):173–85 (155 ref.)
The role of the epidermal growth factor receptor and the c-erbB-2 protein in breast cancer. Gullick WJ. **Int J Cancer Suppl** 1990;5:55–61 (82 ref.)

DRUG EFFECTS

Regulation of the epidermal growth factor receptor by growth-modulating agents. Rosner MR. **Biotechnol Appl Biochem** 1990 Oct;12(5):473–7 (37 ref.)

GENETICS

Mutational analysis of the epidermal growth factor–receptor kinase. Schlessinger J. **Biochem Soc Symp** 1990;56:13–9 (56 ref.)
Prevalence of aberrant expression of the epidermal growth factor receptor in human cancers. Gullick WJ. **Br Med Bull** 1991 Jan;47(1):87–98 (74 ref.)
Regulation of EGF receptor expression and function. Gill GN. **Mol Reprod Dev** 1990 Sep;27(1):46–53 (0 ref.)
Implications of erbB-2 overexpression for basic science and clinical medicine. King CR, et al. **Semin Cancer Biol** 1990 Oct;1(5):329–37 (57 ref.)
Epidermal growth factor: receptor and ligand expression in human breast cancer. Murphy LC, et al. **Semin Cancer Biol** 1990 Oct;1(5):305–15 (44 ref.)

IMMUNOLOGY

Anti-epidermal growth factor receptor monoclonal antibodies as potential anti-cancer agents. Mendelsohn J. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):889–92 (19 ref.)
The epidermal growth factor receptor as a target for therapy with antireceptor monoclonal antibodies. Mendelsohn J. **Semin Cancer Biol** 1990 Oct;1(5):339–44 (36 ref.)

METABOLISM

Epidermal growth factor receptors in human breast cancer. Harris AL, et al. **Cancer Treat Res** 1988;40:93–118 (120 ref.)
Epidermal growth factor in breast cancer. Barker S, et al. **Int J Biochem** 1990;22(9):939–45 (104 ref.)
Structure and function of tyrosine kinase receptors. White MF. **J Bioenerg Biomembr** 1991 Feb;23(1):63–82 (91 ref.)
Epidermal growth factor/transforming growth factor alpha receptors and psoriasis. King LE Jr, et al. **J Invest Dermatol** 1990 Nov;95(5):10S–12S (20 ref.)

PHYSIOLOGY

The epidermal growth factor receptor as a target for therapy. Harris AL. **Cancer Cells** 1990 Oct;2(10):321–3 (22 ref.)
The role of epidermal growth factor receptors in breast cancer. Buick RN, et al. **Cancer Treat Res** 1991;53:159–70 (75 ref.)
Potential role of the epidermal growth factor receptor in human pancreatic cancer. Korc M. **Int J Pancreatol** 1990 Aug–Nov;7(1–3):71–81 (70 ref.)
Growth factor receptors and the progression of breast cancer. Kern FG, et al. **Semin Cancer Biol** 1990 Oct;1(5):317–28 (114 ref.)
Epidermal growth factor receptor regulation and function. Merlino GT. **Semin Cancer Biol** 1990 Aug;1(4):277–84 (57 ref.)
Cellular and viral ligands that interact with the EGF receptor. Todaro GJ, et al. **Semin Cancer Biol** 1990 Aug; 1(4):257–63 (25 ref.)

RECEPTORS, ESTRADIOL

DRUG EFFECTS

Effect of oestradiol on dopamine receptors and protein kinase C activity in the rat pituitary: binding of oestradiol to pituitary membranes. Joubert-Bression D, et al. **Ciba Found Symp** 1990;153:156–68; discussion 168–71 (28 ref.)

PHYSIOLOGY

[Molecular mechanisms of the effect of estradiol (the latest concept)] Sergeev PV, et al. **Vestn Akad Med Nauk SSSR** 1990;(6):57–62 (63 ref.) **(Rus)**

RECEPTORS, ESTROGEN

Breast carcinoma. Stegner HE, et al. **Curr Top Pathol** 1991; 83:459–74 (44 ref.)
"The only true antiestrogen is no estrogen". Jordan VC. **Mol Cell Endocrinol** 1990 Dec 21;74(3):C91–5 (54 ref.)

ANALYSIS

Basic and clinical relevance of hormonal influence in breast cancer. Pollow K, et al. **Recent Results Cancer Res** 1990; 118:196–224 (91 ref.)
[Clinical significance of steroid hormone receptor determination in breast carcinoma tissue] Holtkamp W. **Dtsch Med Wochenschr** 1990 Sep 21;115(38):1442–7 (52 ref.) **(Ger)**

DRUG EFFECTS

Predictive value of tumor estrogen and progesterone receptor levels in postmenopausal women with advanced breast cancer treated with toremifene. Valavaara R, et al. **Cancer** 1990 Dec 1;66(11):2264–9 (47 ref.)
Modulation of oestrogen receptor activity by oestrogens and anti-oestrogens. Green S. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):747–51 (31 ref.)
Equilibrium binding analysis of estrogen agonists and antagonists: relation to the activation of the estrogen receptor. Sasson S. **Pathol Biol (Paris)** 1991 Jan;39(1):59–69 (53 ref.)

GENETICS

Estrogen-regulated messenger RNAs in human breast cancer cells. Westley B, et al. **Cancer Treat Res** 1991;53:259–71 (27 ref.)
Estrogen receptor variants in human breast cancer. Murphy LC. **Mol Cell Endocrinol** 1990 Dec 3;74(2):C83–6 (18 ref.)

METABOLISM

Platinum compounds with estrogen receptor affinity. Bednarski PJ, et al. **Cancer Treat Rev** 1990 Sep; 17(2–3):221–31 (21 ref.)
[Relation between sex hormones and their receptors and laryngeal cancers] Cai W, et al. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1988;23(4):246–8 (15 ref.) **(Chi)**
[Steroid receptors and breast carcinoma] Pašić R, et al. **Med Pregl** 1991;44(1–2):48–51 (37 ref.) (Eng. Abstr.) **(Ser)**

PHYSIOLOGY

Estrogen and progestin receptors in the macaque endometrium. Brenner RM, et al. **Ann N Y Acad Sci** 1991; 622:149–66 (39 ref.)
A novel mechanism for eukaryotic gene expression. The involvement of DNA tertiary structure in estrogen receptor recognition of its target nucleotide sequence. Lannigan DA, et al. **Biochem Pharmacol** 1990 Dec 15;40(12):2579–85 (41 ref.)
Regulatory mechanisms in breast cancer. Estrogen and progesterone receptors. Martin MB, et al. **Cancer Treat Res** 1991;53:273–88 (79 ref.)
Structure and function of the pS2 gene and estrogen receptor in human breast cancer cells. Stack G, et al. **Cancer Treat Res** 1988;40:185–206 (62 ref.)
[Antiestrogen receptors. What is their purpose?] Levin E, et al. **Medicina (B Aires)** 1990;50(1):74–80 (49 ref.) **(Spa)**

RECEPTORS, FC

Expression, structure, and function of the CD23 antigen. Delespesse G, et al. **Adv Immunol** 1991;49:149–91 (232 ref.)
Fc receptors, or the elective affinities of adhesion molecules. Daëron M. **Immunol Lett** 1991 Mar;27(3):175–81 (21 ref.)

BLOOD

Soluble molecules in lymphoproliferative disorders. Vinante F, et al. **Leukemia** 1991;5 Suppl 1:18–21 (45 ref.)

CHEMISTRY

Immunoglobulin E receptors. Gould H, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:138–47 (22 ref.)

GENETICS

The murine alpha Fc gamma R gene product: identification, expression and regulation. Daëron M, et al. **Mol Immunol** 1990 Dec;27(12):1181–8 (38 ref.)
Molecular and functional studies of recombinant soluble Fc gamma receptors. Sautès C, et al. **Mol Immunol** 1990 Dec; 27(12):1201–7 (29 ref.)
Molecular genetics and biology of two different species of Fc epsilon RII. Kikutani H, et al. **Res Immunol** 1990 Mar–Apr;141(3):249–58 (48 ref.)

IMMUNOLOGY

Role of CD23 in IgE regulation ... and beyond. Gordon J, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991;21B:983–8 (14 ref.)
Contributions of mesangial cells to glomerular immune functions. Schlondorff D, et al. **Klin Wochenschr** 1990 Nov 16;68(22):1138–44 (43 ref.)
[Dawn of molecular understanding in allergy] Chisei R, et al. **Tanpakushitsu Kakusan Koso** 1991 Jan;36(1):81–91 (52 ref.) **(Jpn)**

METABOLISM

An update on human CD23 (Fc epsilon RII). Fc epsilon RII and IgE-BFs (soluble CD23) play an essential role in the regulation of human IgE synthesis. Delespesse G, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:153–61 (38 ref.)
The high affinity receptor for IgE on mast cells. Metzger H. **Clin Exp Allergy** 1991 May;21(3):269–79 (87 ref.)
Molecular biology of IgE-binding protein, IgE-binding factors, and IgE receptors. Liu FT. **Crit Rev Immunol** 1990; 10(3):289–306 (116 ref.)
The two binding-site models of human IgG binding Fc gamma receptors. Gergely J, et al. **FASEB J** 1990 Dec; 4(15):3275–83 (61 ref.)
Were lectins primitive Fc receptors? Hajela K. **Immunol Lett** 1991 Mar;27(3):183–90 (80 ref.)

PHYSIOLOGY

FcR-mediated enhancement of HIV-1 infection by antibody. Takeda A, et al. **AIDS Res Hum Retroviruses** 1990 Aug; 6(8):999-1004 (42 ref.)

Fc-receptor-mediated phagocytosis: abnormalities associated with diabetes mellitus. Abrass CK. **Clin Immunol Immunopathol** 1991 Jan;58(1):1-17 (118 ref.)

Signal transduction mechanisms through Fc gamma receptors on the mouse macrophage surface. Suzuki T. **FASEB J** 1991 Feb;5(2):187-93 (56 ref.)

Human Fc gamma receptor II: a standby receptor activated by proteolysis? Tax WJ, et al. **Immunol Today** 1990 Sep; 11(9):308-10 (35 ref.)

Structure and function of human and murine receptors for IgG. Galzie Z. **Indian J Biochem Biophys** 1991 Apr; 28(2):77-82 (51 ref.)

Biology of human immunoglobulin G Fc receptors. van de Winkel JG, et al. **J Leukoc Biol** 1991 May;49(5):511-24 (156 ref.)

Lymphocyte Fc receptors: expression, regulation and function. Lynch RG, et al. **Mol Immunol** 1990 Dec; 27(12):1167-79 (88 ref.)

The role of high and low affinity IgE receptors in cell signalling processes. Stanworth DR, et al. **Mol Immunol** 1990 Dec;27(12):1291-6 (25 ref.)

Receptors for IgA and IgE on T and B lymphocytes: development, regulation and function. Lynch RG, et al. **Res Immunol** 1990 Mar-Apr;141(3):241-8 (53 ref.)

The IgE receptor of eosinophils. Capron M, et al. **Springer Semin Immunopathol** 1990;12(4):327-48 (102 ref.)

Fc epsilon receptor II-positive macrophages and platelets: potent effector cells in allergy and defence against helminth parasites. Dessaint JP, et al. **Springer Semin Immunopathol** 1990;12(4):349-63 (78 ref.)

The receptor for the Fc region of IgE. Keegan AD, et al. **Springer Semin Immunopathol** 1990;12(4):303-26 (157 ref.)

ULTRASTRUCTURE

Fc receptors and membrane immunoglobulin. Metzger H. **Curr Opin Immunol** 1991 Feb;3(1):40-6 (39 ref.)

RECEPTORS, FSH

CHEMISTRY

Towards understanding the glycoprotein hormone receptors. Salesse R, et al. **Biochimie** 1991 Jan;73(1):109-20 (56 ref.)

RECEPTORS, GABA-BENZODIAZEPINE

Function and pharmacology of multiple GABAA receptor subunits. Lüddens H, et al. **Trends Pharmacol Sci** 1991 Feb; 12(2):49-51 (28 ref.)

ANALYSIS

Brain tumors. Black KL, et al. **West J Med** 1991 Feb; 154(2):186-97 (106 ref.)

[Benzodiazepine receptors and PET] Tsukada H. **Nippon Rinsho** 1991 Jul;49(7):1578-83 (21 ref.) **(Jpn)**

BIOSYNTHESIS

GABAA-receptor subunits: functional expression and gene localisation. Mohler H, et al. **Adv Biochem Psychopharmacol** 1990;46:23-34 (20 ref.)

A GABA-agonist like effect of taurine on the formation of low affinity GABA receptors on cultured cerebellar granule cells. Abraham JH, et al. **Prog Clin Biol Res** 1990; 351:77-81 (13 ref.)

CHEMISTRY

"Spare receptors" and "partial agonists"--romantic terms to explain a pharmacology deriving from the structural diversity of GABAA receptors. Costa E. **Adv Biochem Psychopharmacol** 1990;46:221-30 (29 ref.)

CLASSIFICATION

GABAB receptors and their heterogeneity. Bowery NG, et al. **Adv Biochem Psychopharmacol** 1990;46:127-39 (53 ref.)

Elucidating GABAA receptor heterogeneity: an integrated molecular approach. Seeburg PH. **Adv Biochem Psychopharmacol** 1990;46:15-21 (30 ref.)

DRUG EFFECTS

Chronic administration of negative modulators produces chemical kindling and GABAA receptor down-regulation. Corda MG, et al. **Adv Biochem Psychopharmacol** 1990; 46:153-66 (52 ref.)

The differences in the pharmacological profiles of various benzodiazepine recognition site ligands may be associated with GABAA receptor structural diversity. Guidotti A, et al. **Adv Biochem Psychopharmacol** 1990;46:73-87 (28 ref.)

Differential action of various allosteric modulators of GABAA receptor upon the spontaneous discharge rate of nigral neurons "in vivo". Mereu G, et al. **Adv Biochem Psychopharmacol** 1990;46:109-25 (47 ref.)

Chronic benzodiazepine administration: effects in vivo and in vitro. Miller LG, et al. **Adv Biochem Psychopharmacol** 1990;46:167-75 (51 ref.)

Isolation of pharmacologically distinct GABA-benzodiazepine receptors by protein chemistry and molecular cloning. Olsen RW, et al. **Adv Biochem Psychopharmacol** 1990;46:35-49 (67 ref.)

Alcohol and GABA-benzodiazepine receptor function. Ticku MK. **Ann Med** 1990;22(4):241-6 (44 ref.)

A guide to benzodiazepine selection. Part I: Pharmacological aspects. Teboul E, et al. **Can J Psychiatry** 1990 Nov; 35(8):700-10 (76 ref.)

Steroid regulation of the GABAA receptor: ligand binding, chloride transport and behaviour. Majewska MD. **Ciba Found Symp** 1990;153:83-97; discussion 97-106 (37 ref.)

Behavioral and neurochemical studies in diazepam-sensitive and -resistant mice. Gallaher EJ, et al. **J Addict Dis** 1991; 10(1-2):45-60 (29 ref.)

The GABAA/benzodiazepine receptor: implications for the molecular basis of anxiety. Breier A, et al. **J Psychiatr Res** 1990;24 Suppl 2:91-104 (80 ref.)

Neurotoxicants and gamma-aminobutyric acid receptors. Ho IK, et al. **J Toxicol Sci** 1990 Dec;15 Suppl 4:3-13 (45 ref.)

The benzodiazepines: anxiolytic and withdrawal effects. Little HJ. **Neuropeptides** 1991 Jul;19 Suppl:11-4 (18 ref.)

Inverse agonists, probes to study the structure, topology and function of the benzodiazepine receptor. Cook JM, et al. **NIDA Res Monogr** 1991;105:133-9 (13 ref.)

Barbiturates and the GABAA receptor complex. Saunders PA, et al. **Prog Drug Res** 1990;34:261-86 (119 ref.)

Novel anxiolytics that act as partial agonists at benzodiazepine receptors. Haefely W, et al. **Trends Pharmacol Sci** 1990 Nov;11(11):452-6 (32 ref.)

GENETICS

GABAA-receptor subunits: functional expression and gene localisation. Mohler H, et al. **Adv Biochem Psychopharmacol** 1990;46:23-34 (20 ref.)

ISOLATION & PURIFICATION

Isolation of pharmacologically distinct GABA-benzodiazepine receptors by protein chemistry and molecular cloning. Olsen RW, et al. **Adv Biochem Psychopharmacol** 1990;46:35-49 (67 ref.)

METABOLISM

Zolpidem and alpidem: two imidazopyridines with selectivity for omega 1- and omega 3-receptor subtypes. Langer SZ, et al. **Adv Biochem Psychopharmacol** 1990;46:61-72 (27 ref.)

GABAB receptors in the cat spinal cord. Lev-Tov A, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan-Dec; 1(1-4):87-94 (32 ref.)

Relative affinity of quazepam for type-1 benzodiazepine receptors in brain. Wamsley JK, et al. **J Clin Psychiatry** 1991 Sep;52 Suppl:15-20 (67 ref.)

The rational design and synthesis of haptens having specific activity as full agonists or full antagonists at the benzodiazepine receptor. Fryer RI, et al. **Life Sci** 1990; 47(10):833-40 (22 ref.)

Molecular models for recognition and activation at the benzodiazepine receptor: a review. Villar HO, et al. **Life Sci** 1991;48(7):593-602 (48 ref.)

Molecular biological insights into GABA and benzodiazepine receptor structure. Tallman JF, et al. **Prog Clin Biol Res** 1990;361:231-55 (34 ref.)

GABAA receptor phosphorylation: multiple sites, actions and artifacts. Leidenheimer NJ, et al. **Trends Pharmacol Sci** 1991 Mar;12(3):84-7 (25 ref.)

PHYSIOLOGY

Hepatic encephalopathy, GABA-ergic neurotransmission and benzodiazepine receptor ligands. Jones EA, et al. **Adv Exp Med Biol** 1990;272:121-34 (59 ref.)

Insights into the structure and function of GABA-benzodiazepine receptors: ion channels and psychiatry. Zorumski CF, et al. **Am J Psychiatry** 1991 Feb; 148(2):162-73 (114 ref.)

Allosteric actions of central nervous system depressants including anesthetics on subtypes of the inhibitory gamma-aminobutyric acidA receptor-chloride channel complex. Olsen RW, et al. **Ann N Y Acad Sci** 1991; 625:145-54 (72 ref.)

Presynaptic GABA receptors. Waldmeier PC, et al. **Ann N Y Acad Sci** 1990;604:136-51 (48 ref.)

Heterogeneity of GABAA-benzodiazepine receptors. Sieghart W. **Biochem Soc Trans** 1991 Feb;19(1):129-32 (19 ref.)

Probing the GABAA receptor with antibodies. Turner AJ, et al. **Biochem Soc Trans** 1991 Feb;19(1):124-8 (41 ref.)

The Di Mascio Lecture. The allosteric modulation of GABAA receptors. Seventeen years of research. Costa E. **Neuropsychopharmacology** 1991 Jun;4(4):225-35 (85 ref.)

Peripheral-type benzodiazepine receptors: a second site of action for benzodiazepines. Krueger KE. **Neuropsychopharmacology** 1991 Jun;4(4):237-44 (57 ref.)

Pharmacologic significance of the structural heterogeneity of the GABAA receptor-chloride ion channel complex. Vicini S. **Neuropsychopharmacology** 1991 Jan;4(1):9-15 (36 ref.)

Anticonvulsant steroids and the GABA/benzodiazepine receptor-chloride ionophore complex. Belelli D, et al. **Neurosci Biobehav Rev** 1990 Fall;14(3):315-22 (66 ref.)

Central and peripheral benzodiazepine receptors: involvement in an organism's response to physical and psychological stress. Drugan RC, et al. **Neurosci Biobehav Rev** 1991 Summer;15(2):277-98 (329 ref.)

Endogenous benzodiazepine modulation of memory processes. Izquierdo I, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):419-24 (48 ref.)

The pathogenesis and treatment of hepatic encephalopathy: evidence for the involvement of benzodiazepine receptor ligands. Basile AS, et al. **Pharmacol Rev** 1991 Mar; 43(1):27-71 (601 ref.)

GABA receptor mechanisms in the central nervous system. Sivilotti L, et al. **Prog Neurobiol** 1991;36(1):35-92 (520 ref.)

Antidepressant-anxiolytic interactions: involvement of the benzodiazepine-GABA and serotonin systems. Suranyi-Cadotte BE, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(5):633-54 (132 ref.)

A role for GABAB receptors in excitation and inhibition of thalamocortical cells. Crunelli V, et al. **Trends Neurosci** 1991 Jan;14(1):16-21 (48 ref.)

[Pharmacology and physiological function of gamma-aminobutyric acid B type receptor] Ogata N, et al. **Nippon Yakurigaku Zasshi** 1991 Apr;97(4):179-89 (75 ref.) (Eng. Abstr.) **(Jpn)**

RECEPTORS, GAMMA-AMINOBUTYRIC ACID see **RECEPTORS, GABA-BENZODIAZEPINE**

RECEPTORS, GASTROINTESTINAL HORMONE

PHYSIOLOGY

Hormones and receptors in gastrointestinal malignancies. Longnecker DS. **Digestion** 1990;46 Suppl 2:92-8 (25 ref.)

[Physiological and clinical aspects of gastrointestinal hormone receptors] Chen YF. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul;21(3):267-70 (5 ref.) **(Chi)**

RECEPTORS, GLUCOCORTICOID

DRUG EFFECTS

Cannabinoids and the hippocampal glucocorticoid receptor: recent findings and possible significance. Eldridge JC, et al. **Steroids** 1991 May;56(5):226-31 (50 ref.)

METABOLISM

The glucocorticoid receptor. Muller M, et al. **Biochim Biophys Acta** 1991 Feb 16;1088(2):171-82 (113 ref.)

Modulator: the missing link. Bodine PV, et al. **Mol Cell Endocrinol** 1990 Nov 12;74(1):C77-81 (31 ref.)

The relationship between glucocorticoid receptor binding to Hsp90 and receptor function. Pratt WB, et al. **Nippon Naibunpi Gakkai Zasshi** 1990 Dec 20; 66(12):1185-97 (66 ref.)

PHYSIOLOGY

Extrarenal receptor-effector-mechanisms for aldosterone: the sequence of effects on the cellular electrolyte transport in human lymphocytes and their implications for disorders of the water and electrolyte balances. Wehling M, et al. **Acta Endocrinol (Copenh)** 1990 Oct;123(4):385-94 (59 ref.)

Antibodies to receptors by an auto-anti-idiotypic strategy. Erlanger BF. **Biochem Soc Trans** 1991 Feb;19(1):138-43 (30 ref.)

[Glucocorticoid receptors in physiological states and in extreme conditions] Vorob'ev DV, et al. **Kosm Biol Aviakosm Med** 1990 Nov-Dec;24(6):4-11 (92 ref.) (Eng. Abstr.) **(Rus)**

[Structure, function and significance of glucocorticoid receptors] Alexandrová M. **Cesk Fysiol** 1990;39(5):429-39 (71 ref.) **(Slo)**

RECEPTORS, GNRH see **RECEPTORS, GONADOLIBERIN**

RECEPTORS, GONADOLIBERIN

METABOLISM

LHRH-receptors and LHRH-agonist treatment in ovarian cancer: an overview. Emons G, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1003-6 (37 ref.)

PHYSIOLOGY

The gonadotropin-releasing hormone receptor: signals involved in gonadotropin secretion and biosynthesis. Dan-Cohen H, et al. **Horm Res** 1990;33(2-4):76-86 (124 ref.)

RECEPTORS, GONADOTROPIN

CHEMISTRY

Towards understanding the glycoprotein hormone receptors. Salesse R, et al. **Biochimie** 1991 Jan;73(1):109-20 (56 ref.)

RECEPTORS, HEMATOPOIETIC GROWTH FACTORS see **RECEPTORS, COLONY-STIMULATING FACTOR**

RECEPTORS, HISTAMINE

Histamine receptors: an overview. Parsons ME. **Scand J Gastroenterol Suppl** 1991;180:46–52 (44 ref.)

METABOLISM

Histamine as an intracellular messenger. Brandes LJ, et al. **Biochem Pharmacol** 1990 Oct 15;40(8):1677–81 (39 ref.)

[Receptors in rheumatoid arthritis] Tanaka S. **Ryumachi** 1991 Feb;31(1):68–72 (19 ref.) **(Jpn)**

PHYSIOLOGY

Histamine agonists and antagonists. Timmerman H. **Acta Otolaryngol Suppl (Stockh)** 1991;479:5–11 (30 ref.)

The histamine H3-receptor: pharmacology, roles and clinical implications studied with agonists. Arrang JM, et al. **Agents Actions Suppl** 1991;33:55–67 (36 ref.)

Histamine receptors in the lung. Barnes PJ. **Agents Actions Suppl** 1991;33:103–22 (81 ref.)

Histamine receptors and interactions between second messenger transduction systems. Hill SJ. **Agents Actions Suppl** 1991;33:145–59 (31 ref.)

RECEPTORS, HISTAMINE H1

ANALYSIS

[Mapping of histamine H1 receptors in human brain by positron emission tomography] Yanai K, et al. **Nippon Rinsho** 1991 Jul;49(7):1572–7 (21 ref.) **(Jpn)**

METABOLISM

Reversible and irreversible labelling of H1- and H2 -receptors using novel [125I] probes. Ruat M, et al. **Agents Actions Suppl** 1991;33:123–44 (37 ref.)

PHYSIOLOGY

Ca2+ oscillations induced by histamine H1 receptor stimulation in HeLa cells: Fura-2 and patch clamp analysis. Sauvé R, et al. **Cell Calcium** 1991 Feb-Mar;12(2-3):165–76 (44 ref.)

RECEPTORS, HISTAMINE H2

DRUG EFFECTS

[Gastric acid secretion and histamine H2 receptor antagonists] Gespach C, et al. **Gastroenterol Clin Biol** 1990; 14(12):982–94 (127 ref.) **(Fre)**

[Famotidine--a new histamine H2 receptor blockader] Grigor'ev PIa, et al. **Klin Med (Mosk)** 1991 Apr;69(4):23–8 (57 ref.) **(Rus)**

GENETICS

Cloning and structure-function of the H2 histamine receptor. Birdsall NJ. **Trends Pharmacol Sci** 1991 Jan;12(1):9–10 (9 ref.)

METABOLISM

Reversible and irreversible labelling of H1- and H2 -receptors using novel [125I] probes. Ruat M, et al. **Agents Actions Suppl** 1991;33:123–44 (37 ref.)

PHYSIOLOGY

Receptors regulating acid secretion. Lewin MJ, et al. **Scand J Gastroenterol Suppl** 1991;180:53–7 (28 ref.)

RECEPTORS, HIV

see related
HIV ENVELOPE PROTEIN GP120

IMMUNOLOGY

Molecular interactions between HIV and the T lymphocyte. Phillips RE. **Biochim Biophys Acta** 1990 Nov 14; 1096(1):10–3 (39 ref.)

AIDS pathogenesis: HIV envelope and its interaction with cell proteins. Habeshaw JA, et al. **Immunol Today** 1990 Nov;11(11):418–25 (63 ref.)

PHYSIOLOGY

AIDS as a neuropeptide disorder: peptide T, VIP, and the HIV receptor. Pert CB, et al. **Psychopharmacol Bull** 1988; 24(3):315–9 (28 ref.)

RECEPTORS, HORMONE see **RECEPTORS, ENDOGENOUS SUBSTANCES**

RECEPTORS, IL-2 see **RECEPTORS, INTERLEUKIN-2**

RECEPTORS, IMMUNOLOGIC

Receptors for interleukin 4, interleukin 5 and interleukin 6. Banchereau J, et al. **Ann Ist Super Sanita** 1990; 26(3-4):453–67 (100 ref.)

Lineage-specific receptors in the diagnosis of malignant lymphomas and myelomonocytic neoplasms. Parwaresch MR, et al. **Curr Top Pathol** 1991;83:495–516 (78 ref.)

ANALYSIS

Assays for lymphokines, cytokines and their receptors. Beckmann MP, et al. **Curr Opin Immunol** 1991 Apr; 3(2):247–51 (24 ref.)

Vitronectin receptor: tissue specific expression or adaptation to culture? Horton M. **Int J Exp Pathol** 1990 Oct; 71(5):741–59 (118 ref.)

CHEMISTRY

Human cytokine receptors. Dower SK, et al. **J Clin Immunol** 1990 Nov;10(6):289–99 (32 ref.)

DRUG EFFECTS

WY-50,295 tromethamine: a novel inhibitor of leukotriene-mediated reactions. Weichman BM, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21A:477–80 (4 ref.)

Prospects for the use of antagonists to the platelet glycoprotein IIb/IIIa receptor to prevent post-angioplasty restenosis and thrombosis. Ellis SG, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):89B–95B (82 ref.)

Molecular and cellular mechanisms of action of drugs used to modulate the immune response. Dupont E. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):175–80 (51 ref.)

GENETICS

Glycoprotein synthesis and secretion. Expression of fibronectin and its cell surface receptors. Dean DC, et al. **Am Rev Respir Dis** 1991 Sep;144(3 Pt 2):S25–8 (54 ref.)

IMMUNOLOGY

Multiple receptors for endotoxin. Wright SD. **Curr Opin Immunol** 1991 Feb;3(1):83–90 (43 ref.)

METABOLISM

The asialoglycoprotein receptor: a model for endocytic transport receptors. Spiess M. **Biochemistry** 1990 Oct 30; 29(43):1009–18 (127 ref.)

Multiple ligand binding functions for VLA-2 (alpha 2 beta 1) and VLA-3 (alpha 3 beta 1) in the integrin family. Hemler ME, et al. **Cell Differ Dev** 1990 Dec 2;32(3):229–38 (32 ref.)

Laminin: multiple forms, multiple receptors. Mercurio AM. **Curr Opin Cell Biol** 1990 Oct;2(5):845–9 (25 ref.)

Receptors for laminin on mammalian cells. Mecham RP. **FASEB J** 1991 Aug;5(11):2538–46 (71 ref.)

Lipopolysaccharide/lipid A receptors on lymphocytes and macrophages. Lei MG, et al. **Int Rev Immunol** 1990; 6(4):223–35 (67 ref.)

The polymeric immunoglobulin receptor. A model protein to study transcytosis. Apodaca G, et al. **J Clin Invest** 1991 Jun;87(6):1877–82 (42 ref.)

Digalactosyl-containing glycolipids as cell surface receptors for shiga toxin of Shigella dysenteriae 1 and related cytotoxins of Escherichia coli. Brown JE, et al. **Rev Infect Dis** 1991 Mar-Apr;13 Suppl 4:S298–303 (36 ref.)

Shiga toxin: intestinal cell receptors and pathophysiology of enterotoxic effects. Keusch GT, et al. **Rev Infect Dis** 1991 Mar-Apr;13 Suppl 4:S304–10 (26 ref.)

[The interferon system and interferon receptor binding] Gribaudo G, et al. **Haematologica** 1990 Jul-Aug;75 Suppl 4:3–9 (26 ref.) **(Ita)**

PHYSIOLOGY

The biological role of naturally-occurring cytokine inhibitors. Arend WP, et al. **Br J Rheumatol** 1991;30 Suppl 2:49–52 (15 ref.)

Interleukin 6 (IL-6) and its receptor (IL-6R) in myeloma/plasmacytoma. Suematsu S, et al. **Curr Top Microbiol Immunol** 1990;166:13–22 (18 ref.)

Soluble cytokine receptors: their role in immunoregulation. Fernandez-Botran R. **FASEB J** 1991 Aug;5(11):2567–74 (61 ref.)

Interleukin 6 (IL-6) and its receptor: their role in plasma cell neoplasias. Hirano T. **Int J Cell Cloning** 1991 May; 9(3):166–84 (132 ref.)

The interferon-gamma receptor: a comparison with other cytokine receptors. Aguet M. **J Interferon Res** 1990 Dec; 10(6):551–8 (62 ref.)

Receptors for IgA and IgE on T and B lymphocytes: development, regulation and function. Lynch RG, et al. **Res Immunol** 1990 Mar-Apr;141(3):241–8 (53 ref.)

Chemistry and biology of the immunophilins and their immunosuppressive ligands. Schreiber SL. **Science** 1991 Jan 18;251(4991):283–7 (57 ref.)

Kinetics and amplification in neutrophil activation and adaptation. Sklar LA, et al. **Semin Cell Biol** 1990 Apr; 1(2):115–23 (27 ref.)

[Leukotriene B4 receptors] Du ZY, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):340–4 (36 ref.) **(Chi)**

[Macrophage scavenger receptors: the membrane glycoproteins mediating endocytosis of denatured or modified substances] Kodama T, et al. **Seikagaku** 1991 May; 63(5):335–50 (26 ref.) **(Jpn)**

[Molecular mechanisms of intercellular interactions mediated by cell-adhesion proteins and their receptors] Tatarintsev AV, et al. **Vestn Akad Med Nauk SSSR** 1991;(2):29–36 (114 ref.) **(Rus)**

RECEPTORS, INSULIN

[The structure and mechanism of action of insulin receptors] Degoricija Z, et al. **Lijec Vjesn** 1990 Sep-Oct; 112(9-10):335–8 (37 ref.) (Eng. Abstr.) **(Scr)**

ANALYSIS

Identification of insulin binding sites in isolated cells from rat submaxillary gland. Scacchi GE, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):189–93 (14 ref.)

Renal glomerular and tubular insulin and insulin-like growth factor receptors. Meezan E, et al. **Contrib Nephrol** 1990; 83:60–6 (35 ref.)

BLOOD

Interaction of receptors for prostaglandin E1/prostacyclin and insulin in human erythrocytes and platelets. Dutta-Roy AK, et al. **Life Sci** 1991;49(16):1129–39 (109 ref.)

GENETICS

Unusual forms of insulin resistance. Taylor SI, et al. **Annu Rev Med** 1991;42:373–9 (19 ref.)

Insulin receptor tyrosine kinase structure and function. Ellis L, et al. **Biochem Soc Trans** 1991 Apr;19(2):426–32 (51 ref.)

Human insulin-receptor gene. Seino S, et al. **Diabetes** 1990 Feb;39(2):129–33 (46 ref.)

Mutations in the insulin receptor gene in genetic forms of insulin resistance. Taylor SI, et al. **Recent Prog Horm Res** 1990;46:185–213; discussion 213–7 (80 ref.)

IMMUNOLOGY

Antibodies directed to the insulin receptor. Clinical aspects and applications to the study of insulin action. De Pirro R, et al. **J Endocrinol Invest** 1990 Dec;13(11):951–68 (96 ref.)

METABOLISM

Red blood cell insulin receptors in health and disease. Gambhir KK, et al. **Biochem Med Metab Biol** 1991 Apr; 45(2):133–53 (176 ref.)

Interplay between insulin signalling and protein kinase C. Grunberger G. **Cell Signal** 1991;3(3):171–7 (52 ref.)

Insulin receptor binding and glucose metabolism in normal human pregnancy and gestational diabetes mellitus. A review. Andersen O. **Dan Med Bull** 1990 Dec;37(6):492–501 (149 ref.)

Insulin receptor binding and action in human adipocytes. A critical approach to methods, correlations with receptor binding to other cell types, and relations between insulin binding and action. Hjøllund E. **Dan Med Bull** 1991 Jun; 38(3):252–70 (152 ref.)

Structure and function of tyrosine kinase receptors. White MF. **J Bioenerg Biomembr** 1991 Feb;23(1):63–82 (91 ref.)

Insulin receptors in the central nervous system: localization, signalling mechanisms and functional aspects. Unger JW, et al. **Prog Neurobiol** 1991;36(5):343–62 (165 ref.)

PHYSIOLOGY

Regulation of gene expression by insulin. Castaño JG. **Adv Enzyme Regul** 1991;31:185–94 (46 ref.)

Role of insulin receptors in the expression of prostaglandin E1 binding activity in platelets. Kahn NN, et al. **Adv Exp Med Biol** 1990;281:271–6 (18 ref.)

The role of tyrosine-and serine-threonine-protein phosphorylation in insulin action. Avruch J, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:295–300 (35 ref.)

Insulin and insulin-like growth factor I in early development: peptides, receptors and biological events. de Pablo F, et al. **Endocr Rev** 1990 Nov;11(4):558–77 (175 ref.)

Cellular trafficking and processing of the insulin receptor. Knutson VP. **FASEB J** 1991 May;5(8):2130–8 (73 ref.)

Dynamic measurements of the associations between class I MHC antigens and insulin receptors. Edidin M, et al. **Mol Immunol** 1990 Dec;27(12):1313–7 (29 ref.)

Molecular mechanisms of insulin resistance. Pillay TS, et al. **S Afr Med J** 1991 May 18;79(10):607–13 (88 ref.)

RECEPTORS, INTERLEUKIN-2

ANALYSIS

[Soluble interleukin 2 receptors. Clinical value and biological significance] Miossec P. **Presse Med** 1991 Jun 1; 20(21):997–1001 (30 ref.) (Eng. Abstr.) **(Fre)**

BLOOD

Soluble molecules in lymphoproliferative disorders. Vinante F, et al. **Leukemia** 1991;5 Suppl 1:18–21 (45 ref.)

IMMUNOLOGY

Cell-surface molecules in the regulation of immune responsiveness. Zaleski MB. **Immunol Invest** 1991 Apr; 20(2):103-31 (88 ref.)

[Changes in interleukin-2 receptor levels in active and inactive pulmonary sarcoidosis] Strausz J, et al. **Orv Hetil** 1991 Aug 18;132(33):1803-6 (42 ref.) (Eng. Abstr.) **(Hun)**

METABOLISM

Lymphokine receptor-directed therapy: a model of immune intervention. Waldmann TA, et al. **J Clin Immunol** 1990 Nov;10(6 Suppl):19S-28S; discussion 28S-29S (57 ref.)

[Impaired production and reception of interleukin in human diseases] Cheredeev AN. **Lab Delo** 1990;(12):61-7 (30 ref.) **(Rus)**

PHYSIOLOGY

Transmembrane signalling by interleukin 2. Mills GB, et al. **Biochem Soc Trans** 1991 Apr;19(2):277-87 (115 ref.)

The biological role of naturally-occurring cytokine inhibitors. Arend WP, et al. **Br J Rheumatol** 1991;30 Suppl 2:49-52 (15 ref.)

The interleukin-2 receptor. Waldmann TA. **J Biol Chem** 1991 Feb 15;266(5):2681-4 (34 ref.)

RECEPTORS, INTERSTITIAL CELL-STIMULATING HORMONE see **RECEPTORS, LH**

RECEPTORS, LDL

Low-density lipoprotein receptors. Niendorf A, et al. **Curr Top Pathol** 1991;83:187-218 (120 ref.)

BIOSYNTHESIS

Inhibition of the rate-limiting enzyme in cholesterol biosynthesis leads to up-regulation of the LDL receptor. **Nutr Rev** 1991 May;49(5):153-6 (15 ref.)

GENETICS

Molecular genetics of familial hypercholesterolemia. Aalto-Setälä K, et al. **Adv Exp Med Biol** 1991;285:33-7 (22 ref.)

The LDL receptor locus in familial hypercholesterolemia: mutational analysis of a membrane protein. Hobbs HH, et al. **Annu Rev Genet** 1990;24:133-70 (122 ref.)

Structure and regulation of the LDL-receptor and its gene. Soutar AK, et al. **Br Med Bull** 1990 Oct;46(4):891-916 (85 ref.)

Prospects for gene therapy of familial hypercholesterolemia. Wilson JM, et al. **Mol Biol Med** 1990 Jun;7(3):223-32 (56 ref.)

Familial hypercholesterolemia: dissection of a receptor disease. Schneider WJ. **Z Kardiol** 1990;79 Suppl 3:3-7 (23 ref.)

[Low-density lipoprotein receptors] Kastelein JJ, et al. **Ned Tijdschr Geneeskd** 1991 Apr 13;135(15):646-51 (37 ref.) **(Dut)**

IMMUNOLOGY

[Cellular-metabolic interactions between the phagocytic system and blood lipoproteins in respiratory diseases] Iakovleva OA. **Probl Tuberk** 1990;(10):70-3 (57 ref.) **(Rus)**

METABOLISM

Glycosylation mutations of serine/threonine-linked oligosaccharides in low-density lipoprotein receptor: indispensable roles of O-glycosylation. Kuwano M, et al. **J Cell Sci** 1991 Feb;98 (Pt 2):131-4 (32 ref.)

LDL-metabolism of the arterial wall--new implications for atherogenesis. Dresel HA, et al. **Z Kardiol** 1990;79 Suppl 3:9-16 (76 ref.)

[LDL receptors] Ducobu J. **Rev Med Brux** 1990 Dec; 11(10):481-92 (16 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Binding of apolipoproteins A to adipose cells: role of receptor sites in cholesterol efflux and purification of binding protein(s). Barbaras R, et al. **Adv Exp Med Biol** 1991; 285:85-92 (28 ref.)

The role of ligand-receptor interactions in disease. Vermeer BJ, et al. **J Dermatol Sci** 1990 Mar;1(2):59-64 (41 ref.)

The role of the low density lipoprotein receptor pathway in the delivery of lipophilic photosensitizers in the photodynamic therapy of tumours. Mazière JC, et al. **J Photochem Photobiol B** 1991 Mar;8(4):351-60 (46 ref.)

RECEPTORS, LECTIN see **RECEPTORS, MITOGEN**

RECEPTORS, LEUKOCYTE-ADHESION

IMMUNOLOGY

[Leukocyte adhesion: a fundamental process in immunologic and inflammatory reactions] Patarroyo M, et al. **Lakartidningen** 1991 Jan 16;88(3):120-2 (3 ref.) (Eng. Abstr.) **(Swe)**

PHYSIOLOGY

T cell receptors: adhesion and signaling. Bierer BE, et al. **Adv Cancer Res** 1991;56:49-76 (138 ref.)

The pivotal role of the Leu-CAM and ICAM molecules in human leukocyte adhesion. Gahmberg CG, et al. **Cell Differ Dev** 1990 Dec 2;32(3):239-45 (39 ref.)

Selectins: novel receptors that mediate leukocyte adhesion during inflammation. McEver RP. **Thromb Haemost** 1991 Mar 4;65(3):223-8 (77 ref.)

RECEPTORS, LH

CHEMISTRY

Towards understanding the glycoprotein hormone receptors. Salesse R, et al. **Biochimie** 1991 Jan;73(1):109-20 (56 ref.)

Structure of the lutropin/choriogonadotropin receptor. Segaloff DL, et al. **Recent Prog Horm Res** 1990;46:261-301; discussion 301-3 (100 ref.)

METABOLISM

Luteinizing hormone/human chorionic gonadotropin receptors in myometrium and their role in uterine motility. Ziecik AJ. **Arch Immunol Ther Exp (Warsz)** 1990; 38(1-2):141-4 (10 ref.)

RECEPTORS, LOW DENSITY LIPOPROTEINS see **RECEPTORS, LDL**

RECEPTORS, LUTEINIZING HORMONE see **RECEPTORS, LH**

RECEPTORS, LYMPHOCYTE HOMING

METABOLISM

Carbohydrate ligands of the LEC cell adhesion molecules. Brandley BK, et al. **Cell** 1990 Nov 30;63(5):861-3 (20 ref.)

PHYSIOLOGY

Functional role of CD44 (Pgp-1) on activated B cells. Murakami S, et al. **Immunol Res** 1991;10(1):15-27 (45 ref.)

Lymphocyte-homing receptors and preferential migration pathways. Chin YH, et al. **Proc Soc Exp Biol Med** 1991 Apr;196(4):374-80 (50 ref.)

RECEPTORS, MITOGEN

Receptors for interleukin 4, interleukin 5 and interleukin 6. Banchereau J, et al. **Ann Ist Super Sanita** 1990; 26(3-4):453-67 (100 ref.)

Lectin receptors. Vierbuchen M. **Curr Top Pathol** 1991; 83:271-361 (428 ref.)

PHYSIOLOGY

Cross-talk between surface immunoglobulin and interleukin-4 receptors on murine B-lymphocytes. Klaus GG, et al. **Biochem Soc Trans** 1991 Apr;19(2):272-5 (12 ref.)

Regulation of IL-3, IL-4 and GM-CSF genes and signal transduction by their receptors. Arai N, et al. **Lymphokine Res** 1990 Winter;9(4):551-3 (11 ref.)

RECEPTORS, MORPHINE see **RECEPTORS, ENDORPHIN**

RECEPTORS, MUSCARINIC

ANALYSIS

[In vivo mapping of muscarinic acetylcholine receptors] Inoue O, et al. **Nippon Rinsho** 1991 Jul;49(7):1551-5 (15 ref.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Allosteric antagonists of the muscarinic acetylcholine receptor. Lee NH, et al. **Biochem Pharmacol** 1991 Jul 5; 42(2):199-205 (85 ref.)

CLASSIFICATION

Receptor classification using antagonists without determining pA2 values. Kromer W. **Trends Pharmacol Sci** 1991 Jan; 12(1):11-3 (11 ref.)

GENETICS

Commentary: a behavioral, psychopharmacological, and neurochemical update on the Flinders Sensitive Line rat, a potential genetic animal model of depression. Overstreet DH. **Behav Genet** 1991 Jan;21(1):67-74 (24 ref.)

Structure and function of G protein coupled receptors. Lameh J, et al. **Pharm Res** 1990 Dec;7(12):1213-21 (62 ref.)

METABOLISM

Molecular mechanisms of regulation of neuronal muscarinic receptor sensitivity. el-Fakahany EE, et al. **Membr Biochem** 1990 Jan-Mar;9(1):9-27 (118 ref.)

Pharmacological muscarinic receptor subtypes. Ladinsky H, et al. **Prog Brain Res** 1990;84:193-200 (34 ref.)

Positron emission tomography and cholinergic mechanisms: an overview. Mazière M, et al. **Prog Brain Res** 1990; 84:347-59 (61 ref.)

Cholinergic receptors in the rat and human brain: microscopic visualization. Palacios JM, et al. **Prog Brain Res** 1990;84:243-53 (47 ref.)

PHYSIOLOGY

Presynaptic muscarinic receptors in the central nervous system. Raiteri M, et al. **Ann N Y Acad Sci** 1990;604:113-29 (75 ref.)

Unexpected plasticity at autonomic junctions. Environmental regulation of neurotransmitter phenotype and receptor expression. Grant MP, et al. **Biochem Pharmacol** 1991 Feb 1;41(3):323-31 (121 ref.)

Muscarinic acetylcholine receptors: structure and function. Hulme EC, et al. **Biochem Soc Trans** 1991 Feb;19(1):133-8 (26 ref.)

Neuronal muscarinic receptors and phosphoinositide metabolism. Naahorski SR, et al. **Biochem Soc Trans** 1991 Apr;19(2):416-21 (50 ref.)

Heterogeneity of vascular muscarinic receptors. Eglen RM, et al. **J Auton Pharmacol** 1990 Aug;10(4):233-45 (69 ref.)

Cholinergic regulation of the endocrine pancreas. Ahrén B, et al. **Prog Brain Res** 1990;84:209-18 (71 ref.)

Basic and clinical aspects of cholinergic agents in bladder dysfunction. Andersson KE, et al. **Prog Brain Res** 1990; 84:201-7 (61 ref.)

Future prospects in muscarinic cholinergic pharmacology. Outstanding problems and promises. Bartfai T, et al. **Prog Brain Res** 1990;84:227-9 (3 ref.)

Achievements in cholinergic research, 1969-1989: drug development. Jenden DJ. **Prog Brain Res** 1990;84:479-86 (89 ref.)

Second-messenger responses associated with stimulation of neuronal muscarinic receptors expressed by a human neuroblastoma SH-SY5Y. Lambert DG, et al. **Prog Brain Res** 1990;84:31-42 (66 ref.)

Structure and function of muscarinic receptors. Schimerlik MI. **Prog Brain Res** 1990;84:11-9 (64 ref.)

RECEPTORS, MUSCIMOL see **RECEPTORS, GABA-BENZODIAZEPINE**

RECEPTORS, NARCOTIC see **RECEPTORS, ENDORPHIN**

RECEPTORS, NEURAL see **RECEPTORS, SENSORY**

RECEPTORS, NEUROHUMOR

ANALYSIS

In vitro and in vivo detection of somatostatin receptors in human malignant tissues. Reubi JC, et al. **Acta Oncol** 1991; 30(4):463-8 (20 ref.)

ANTAGONISTS & INHIBITORS

Progress in the development of potent bombesin receptor antagonists. Jensen RT, et al. **Trends Pharmacol Sci** 1991 Jan;12(1):13-9 (47 ref.)

CLASSIFICATION

Neuropeptide Y receptor subtypes, Y1 and Y2. Wahlestedt C, et al. **Ann N Y Acad Sci** 1990;611:7-26 (99 ref.)

DRUG EFFECTS

Neuropeptide Y and its receptor antagonists. Use of an analog mixture-screening strategy. Tatemoto K. **Ann N Y Acad Sci** 1990;611:1-6 (56 ref.)

METABOLISM

Neuropeptide Y and central cardiovascular regulation. Focus on its role as a cotransmitter in cardiovascular adrenergic neurons. Fuxe K, et al. **Ann N Y Acad Sci** 1990;611:111-32 (66 ref.)

Neuropeptide Y receptors: autoradiographic distribution in the brain and structure-activity relationships. Quirion R, et al. **Ann N Y Acad Sci** 1990;611:58-72 (78 ref.)

Melatonin receptors. Krause DN, et al. **Annu Rev Pharmacol Toxicol** 1991;31:549-68 (98 ref.)

Somatostatin receptors in malignant tissues. Reubi JC, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1073-7 (24 ref.)

PHYSIOLOGY

Neuropeptide Y: an overview of central distribution, functional aspects, and possible involvement in neuropsychiatric illnesses. Heilig M, et al. **Acta Psychiatr Scand** 1990 Aug;82(2):95-114 (265 ref.)

Bombesin stimulation of mitogenesis. Specific receptors, signal transduction, and early events. Rozengurt E. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S11-5 (51 ref.)

Importance of neuropeptide Y in the regulation of kidney function. Persson PB, et al. **Ann N Y Acad Sci** 1990; 611:156-65 (42 ref.)

Selective effects of sedative/hypnotic drugs on excitatory amino acid receptors in brain. Tabakoff B, et al. **Ann N Y Acad Sci** 1991;625:488-95 (47 ref.)

Brain somatostatin: receptor-coupled transducing

mechanisms and role in cognitive functions. Schettini G. **Pharmacol Res** 1991 Apr;23(3):203–15 (61 ref.)

ULTRASTRUCTURE

Somatostatin receptor imaging in vivo localization of tumors with a radiolabeled somatostatin analog. Lamberts SW, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1079–82 (14 ref.)

RECEPTORS, NEUROTRANSMITTER see **RECEPTORS, SYNAPTIC**

RECEPTORS, NICOTINIC

ANTAGONISTS & INHIBITORS

Nicotinic receptor blockade therapy and smoking cessation. Clarke PB. **Br J Addict** 1991 May;86(5):501–5 (27 ref.)

CHEMISTRY

Modelling of binding sites of the nicotinic acetylcholine receptor and their relation to models of the whole receptor. Cockcroft VB, et al. **Biochem Soc Symp** 1990;57:65–79 (49 ref.)

Holistic approaches to receptor and channel structure and dynamics. Kosower EM. **Biochem Soc Symp** 1990;57:49–64 (34 ref.)

DRUG EFFECTS

Dopaminergic mechanisms in the locomotor stimulant effects of nicotine. Clarke PB. **Biochem Pharmacol** 1990 Oct 1; 40(7):1427–32 (49 ref.)

Modulation of nicotine receptors by chronic exposure to nicotinic agonists and antagonists. Collins AC, et al. **Ciba Found Symp** 1990;152:68–82; discussion 82–6 (32 ref.)

[Neuropharmacology of smoking: basic research opens new therapeutic possibilities] Svensson TH, et al. **Lakartidningen** 1991 May 29;88(22):2066–71 (56 ref.) (Eng. Abstr.) **(Swe)**

GENETICS

Distinctions in ligand binding sites on the nicotinic acetylcholine receptor. Taylor P, et al. **Ann N Y Acad Sci** 1991;625:568–87 (40 ref.)

The brain nicotinic acetylcholine receptor gene family. Heinemann S, et al. **Prog Brain Res** 1990;86:195–203 (48 ref.)

IMMUNOLOGY

Myasthenia gravis: prototype of the antireceptor autoimmune diseases. Schönbeck S, et al. **Int Rev Neurobiol** 1990; 32:175–200 (175 ref.)

ISOLATION & PURIFICATION

[Purification of nicotinic acetylcholine receptors from brain and ganglion] Nakayama H. **Seikagaku** 1991 Jun; 63(6):424–8 (25 ref.) **(Jpn)**

METABOLISM

Functional architecture of the nicotinic acetylcholine receptor: from electric organ to brain. Galzi JL, et al. **Annu Rev Pharmacol Toxicol** 1991;31:37–72 (270 ref.)

Monoclonal antibody probes for nicotinic receptors of muscles and nerves. Lindstrom J, et al. **Biochem Soc Trans** 1991 Feb;19(1):115–20 (77 ref.)

Nicotinic acetylcholine receptor superfamily of ligand-gated ion channels. Stroud RM, et al. **Biochemistry** 1990 Dec 18;29(50):11009–23 (185 ref.)

Structural and functional heterogeneity of nicotinic receptors. Lindstrom J, et al. **Ciba Found Symp** 1990; 152:23–42; discussion 43–52 (29 ref.)

Mechanism of action of the nicotinic acetylcholine receptor. Steinbach JH. **Ciba Found Symp** 1990;152:53–61; discussion 61–7 (44 ref.)

Presynaptic nicotinic receptors and the modulation of transmitter release. Wonnacott S, et al. **Ciba Found Symp** 1990;152:87–101; discussion 102–5 (43 ref.)

Calcium antagonist receptors. Reynolds IJ, et al. **Ion Channels** 1988;1:213–49 (240 ref.)

The submembrane machinery for nicotinic acetylcholine receptor clustering. Froehner SC. **J Cell Biol** 1991 Jul; 114(1):1–7 (78 ref.)

The cholinergic system in Alzheimer disease. Giacobini E. **Prog Brain Res** 1990;84:321–32 (73 ref.)

Positron emission tomography and cholinergic mechanisms: an overview. Mazière M, et al. **Prog Brain Res** 1990; 84:347–59 (61 ref.)

Cholinergic receptors in the rat and human brain: microscopic visualization. Palacios JM, et al. **Prog Brain Res** 1990;84:243–53 (47 ref.)

The TiPS lecture. The nicotinic acetylcholine receptor: an allosteric protein prototype of ligand-gated ion channels. Changeux JP. **Trends Pharmacol Sci** 1990 Dec; 11(12):485–92 (78 ref.)

PHYSIOLOGY

Reverse pharmacology of the nicotinic acetylcholine receptor. Mapping the local anesthetic binding site. Leonard RJ, et al. **Ann N Y Acad Sci** 1991;625:588–99 (29 ref.)

Saturable binding of anesthetics to nicotinic acetylcholine receptors. A possible mechanism of anesthetic action. Lin L, et al. **Ann N Y Acad Sci** 1991;625:628–44 (48 ref.)

The nicotinic acetylcholine receptor in its membrane environment. Miller KW, et al. **Ann N Y Acad Sci** 1991; 625:600–15 (36 ref.)

Neuronal nicotinic receptors: functional correlates of ligand binding sites. Wonnacott S. **Biochem Soc Trans** 1991 Feb; 19(1):121–4 (30 ref.)

Regulation of endocrine function by the nicotinic cholinergic receptor. Fuxe K, et al. **Ciba Found Symp** 1990;152:113–27; discussion 127–30 (52 ref.)

Behavioural pharmacology of nicotine: implications for multiple brain nicotinic receptors. Stolerman IP. **Ciba Found Symp** 1990;152:3–16; discussion 16–22 (27 ref.)

Function of nicotinic synapses. Colquhoun D, et al. **Prog Brain Res** 1990;84:43–50 (38 ref.)

Functional studies of Ca2+ channels from plasmalemma and sarcoplasmic reticulum membranes in muscle cells. García J, et al. **Semin Cell Biol** 1990 Aug;1(4):255–64 (140 ref.)

Pharmacological and functional diversity of neuronal nicotinic acetylcholine receptors. Deneris ES, et al. **Trends Pharmacol Sci** 1991 Jan;12(1):34–40 (49 ref.)

[Structure and function of the receptor for calcium channel blockers from skeletal muscle] Tanabe T. **Seikagaku** 1990 Aug;62(8):1003–19 (64 ref.) **(Jpn)**

ULTRASTRUCTURE

The electron microscopy of the nicotinic acetylcholine receptor. Kunath W, et al. **Electron Microsc Rev** 1989; 2(2):349–66 (44 ref.)

RECEPTORS, OPIATE see **RECEPTORS, ENDORPHIN**

RECEPTORS, PHEROMONE see **CHEMORECEPTORS**

RECEPTORS, PROGESTERONE

Breast carcinoma. Stegner HE, et al. **Curr Top Pathol** 1991; 83:459–74 (44 ref.)

ANALYSIS

Basic and clinical relevance of hormonal influence in breast cancer. Pollow K, et al. **Recent Results Cancer Res** 1990; 118:196–224 (91 ref.)

[Clinical significance of steroid hormone receptor determination in breast carcinoma tissue] Holtkamp W. **Dtsch Med Wochenschr** 1990 Sep 21;115(38):1442–7 (52 ref.) **(Ger)**

ANTAGONISTS & INHIBITORS

Progesterone receptor antagonists and prostaglandins in human fertility regulation: a clinical review. Healy DL. **Reprod Fertil Dev** 1990;2(5):477–90 (51 ref.)

DRUG EFFECTS

Predictive value of tumor estrogen and progesterone receptor levels in postmenopausal women with advanced breast cancer treated with toremifene. Valavaara R, et al. **Cancer** 1990 Dec 1;66(11):2264–9 (47 ref.)

GENETICS

Estrogen-regulated messenger RNAs in human breast cancer cells. Westley B, et al. **Cancer Treat Res** 1991;53:259–71 (27 ref.)

PHYSIOLOGY

Estrogen and progestin receptors in the macaque endometrium. Brenner RM, et al. **Ann N Y Acad Sci** 1991; 622:149–66 (39 ref.)

Regulatory mechanisms in breast cancer. Estrogen and progesterone receptors. Martin MB, et al. **Cancer Treat Res** 1991;53:273–88 (79 ref.)

Structural and functional studies of mammalian progesterone receptors. Misrahi M, et al. **Horm Res** 1990;33(2–4):95–8 (23 ref.)

RECEPTORS, PROGESTIN see **RECEPTORS, PROGESTERONE**

RECEPTORS, PROLACTIN

METABOLISM

Biological and clinical aspects of prolactin receptors (PRL-R) in human breast cancer. Bonneterre J, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):977–81 (49 ref.)

RECEPTORS, PROSTAGLANDIN

ANTAGONISTS & INHIBITORS

Thromboxane A2/prostaglandin H2 receptor antagonists. A new therapeutic principle. Patscheke H. **Stroke** 1990 Dec; 21(12 Suppl):IV139–42 (27 ref.)

Thromboxane synthesis inhibitors and receptor antagonists. Patrono C. **Thromb Res Suppl** 1990;11:15–23 (32 ref.)

Thromboxane synthase inhibitors, thromboxane receptor antagonists and dual blockers in thrombotic disorders. Gresele P, et al. **Trends Pharmacol Sci** 1991 Apr; 12(4):158–63 (47 ref.)

BLOOD

Interaction of receptors for prostaglandin E1/prostacyclin and insulin in human erythrocytes and platelets. Dutta-Roy AK, et al. **Life Sci** 1991;49(16):1129–39 (109 ref.)

DRUG EFFECTS

Potential usefulness of combined thromboxane A2 and serotonin receptor blockade for preventing the conversion from chronic to acute coronary artery disease syndromes. Willerson JT, et al. **Am J Cardiol** 1990 Nov 6; 66(16):48G–53G (41 ref.)

METABOLISM

Role of insulin receptors in the expression of prostaglandin E1 binding activity in platelets. Kahn NN, et al. **Adv Exp Med Biol** 1990;281:271–6 (18 ref.)

RECEPTORS, PURINERGIC

DRUG EFFECTS

Novel therapeutics acting via purine receptors. Jacobson KA, et al. **Biochem Pharmacol** 1991 May 15;41(10):1399–410 (69 ref.)

Chronic ethanol-induced heterologous desensitization is mediated by changes in adenosine transport. Gordon AS, et al. **Biochem Soc Symp** 1990;56:117–36 (55 ref.)

Adenosine derivatives as agonists of adenosine receptors. Grifantini M, et al. **Farmaco** 1991 Jan;46(1 Suppl):161–9 (21 ref.)

Further subclassification of ATP receptors based on agonist studies. O'Connor SE, et al. **Trends Pharmacol Sci** 1991 Apr;12(4):137–41 (35 ref.)

METABOLISM

Signal transduction by P2-purinergic receptors for extracellular ATP. Dubyak GR. **Am J Respir Cell Mol Biol** 1991 Apr;4(4):295–300 (41 ref.)

Biochemical properties of a P2Y-purinergic receptor. Harden TK, et al. **Ann N Y Acad Sci** 1990;603:256–66 (37 ref.)

Receptors for adenosine and adenine nucleotides. Stone TW. **Gen Pharmacol** 1991;22(1):25–31 (28 ref.)

PHYSIOLOGY

Adenosine receptors. Roles and pharmacology. Bruns RF. **Ann N Y Acad Sci** 1990;603:211–25; discussion 225–6 (58 ref.)

Overview. Purinergic mechanisms. Burnstock G. **Ann N Y Acad Sci** 1990;603:1–17; discussion 18 (145 ref.)

ADP receptors in platelets. Colman RW. **Ann N Y Acad Sci** 1990;603:198–209; discussion 209–10 (38 ref.)

Subtypes of P2-purinoceptors. Studies using analogues of ATP. Cusack NJ, et al. **Ann N Y Acad Sci** 1990;603:172–81 (40 ref.)

Activation of inositol phospholipid-specific phospholipase C by P2-purinergic receptors in human phagocytic leukocytes. Role of pertussis toxin-sensitive G proteins. Dubyak GR, et al. **Ann N Y Acad Sci** 1990;603:227–44; discussion 244–5 (25 ref.)

P2-purinoceptor antagonists. Fedan JS, et al. **Ann N Y Acad Sci** 1990;603:182–96; discussion 196–7 (60 ref.)

A comparison of P1- and P2-purinoceptors. Paton DM, et al. **Ann N Y Acad Sci** 1990;603:165–71 (27 ref.)

Effects of extracellular ATP on the release of vasoactive mediators from endothelium. Pearson JD, et al. **Ann N Y Acad Sci** 1990;603:267–73; discussion 273–4 (26 ref.)

Cardiac effects of adenosine and ATP. Pelleg A, et al. **Ann N Y Acad Sci** 1990;603:19–30 (95 ref.)

Characteristics of receptor-operated and membrane potential-dependent ATP secretion from adrenal medullary chromaffin cells. Rojas E, et al. **Ann N Y Acad Sci** 1990; 603:311–22; discussion 322–3 (22 ref.)

Prejunctional adenosine and ATP receptors. Silinsky EM, et al. **Ann N Y Acad Sci** 1990;603:324–33; discussion 333–4 (32 ref.)

Presynaptic purine receptors. Westfall DP, et al. **Ann N Y Acad Sci** 1990;604:130–5 (37 ref.)

Purine nucleosides and nucleotides as central nervous system modulators. Adenosine as the prototypic paracrine neuroactive substance. Williams M. **Ann N Y Acad Sci** 1990; 603:93–107 (122 ref.)

Antibodies to receptors by an auto-anti-idiotypic strategy. Erlanger BF. **Biochem Soc Trans** 1991 Feb;19(1):138–43 (30 ref.)

Roles of P2-purinoceptors in the cardiovascular system. Ralevic V, et al. **Circulation** 1991 Jul;84(1):1–14 (167 ref.)

Adenosine receptors and signaling in the kidney. Spielman WS, et al. **Hypertension** 1991 Feb;17(2):117–30 (102 ref.)

Cell surface ATP (P2y) purinoceptors trigger and modulate multiple calcium fluxes in skeletal muscle cells. Häggblad J, et al. **Prog Brain Res** 1990;84:111–6 (18 ref.)

Prospective role for adenosine and adenosinergic systems in

psychiatric disorders [editorial] Durcan MJ, et al. **Psychol Med** 1990 Aug;20(3):475–86 (190 ref.)

RECEPTORS, SENSORY

DRUG EFFECTS

Mechanisms of activation of the sensory irritant receptor by airborne chemicals. Nielsen GD. **Crit Rev Toxicol** 1991; 21(3):183–208 (202 ref.)

PHYSIOLOGY

Receptor interactions in modulating ventilatory activity. Mitchell GS, et al. **Am J Physiol** 1990 Nov;259(5 Pt 2):R911–20 (42 ref.)

A sensory role for the cruciate ligaments. Johansson H, et al. **Clin Orthop** 1991 Jul;(268):161–78 (108 ref.)

Neutral endopeptidase modulates neurogenic inflammation. Nadel JA. **Eur Respir J** 1991 Jun;4(6):745–54 (86 ref.)

Molecular mechanisms of reception and transduction in olfaction and taste. Kurihara K. **Jpn J Physiol** 1990; 40(3):305–24 (89 ref.)

Voltage sensor of excitation–contraction coupling in skeletal muscle. Rios E, et al. **Physiol Rev** 1991 Jul;71(3):849–908 (435 ref.)

Neuronal organization and information processing in the wind-sensitive cercal receptor/giant interneurone system of the locus and other orthopteroid insects. Boyan GS, et al. **Prog Neurobiol** 1990;35(3):217–43 (168 ref.)

Peripheral opioid receptors and the cough reflex. Adcock JJ. **Respir Med** 1991 Jan;85 Suppl A:43–6 (23 ref.)

Stimulus classification by ensembles of climbing fiber receptive fields. Robertson LT, et al. **Trends Neurosci** 1991 Jun;14(6):248–54 (40 ref.)

[The hypothesis of acupuncture points as polymodal receptors of the ecoceptive sensitivity system] Limanskiĭ IuP. **Fiziol Zh** 1990 Jul–Aug;36(4):115–21 (22 ref.) (Eng. Abstr.) **(Rus)**

[Sensory receptors: the evolution of the ionic environment of the receptor membrane] Gribakin FG. **Zh Evol Biokhim Fiziol** 1990 Jul–Aug;26(4):574–80 (18 ref.) **(Rus)**

SECRETION

Sensory receptors as a special class of hormonal cells. Pang SF, et al. **Neuroendocrinology** 1991;53 Suppl 1:2–11 (79 ref.)

RECEPTORS, SEROTONIN

5-HT3 receptor antagonists and migraine therapy. Ferrari MD. **J Neurol** 1991;238 Suppl 1:S53–6 (43 ref.)

5-HT2 receptor antagonists and migraine therapy. Mylecharane EJ. **J Neurol** 1991;238 Suppl 1:S45–52 (68 ref.)

The 5-HT1A receptor: an overview of recent advances. el Mestikawy S, et al. **Neurochem Res** 1991 Jan;16(1):1–10 (72 ref.)

ANALYSIS

Identification and classification of 5-HT1 receptor subtypes. Göthert M, et al. **J Cardiovasc Pharmacol** 1990;15 Suppl 7:S1–7 (68 ref.)

Multiple populations of serotonin receptors may modulate the behavioral effects of serotonergic agents. Glennon RA, et al. **Life Sci** 1991;48(26):2493–8 (27 ref.)

[Serotonin receptor] Suhara T. **Nippon Rinsho** 1991 Jul; 49(7):1562–6 (18 ref.) **(Jpn)**

ANTAGONISTS & INHIBITORS

The marketing of 5-hydroxytryptamine: depression or anxiety? Healy D. **Br J Psychiatry** 1991 Jun;158:737–42 (44 ref.)

Controlling emesis related to cancer therapy. Aapro MS. **Eur J Cancer** 1991;27(3):356–61 (98 ref.)

Anti-emetic control with ondansetron in the chemotherapy of breast cancer: a review. Marschner N. **Eur J Cancer** 1991;27 Suppl 1:S15–7; discussion S22 (9 ref.)

The role of ondansetron in paediatric patients: a review of three studies. Stevens RF. **Eur J Cancer** 1991;27 Suppl 1:S20–2 (7 ref.)

Antagonist properties of d-LSD at 5-hydroxytryptamine2 receptors. Pierce PA, et al. **Neuropsychopharmacology** 1990 Oct–Dec;3(5–6):503–8 (66 ref.)

Clinical evaluation of 5-HT3 receptor antagonists as anti-emetics. Bunce K, et al. **Trends Pharmacol Sci** 1991 Feb;12(2):46–8 (30 ref.)

CLASSIFICATION

Serotonin receptor subtypes: functional, physiological, and clinical correlates. Bonate PL. **Clin Neuropharmacol** 1991 Feb;14(1):1–16 (102 ref.)

5-HT in migraine--an introduction. Saxena PR. **J Neurol** 1991;238 Suppl 1:S36–7 (6 ref.)

5-HT receptors: subtypes and second messengers. Hoyer D, et al. **J Recept Res** 1991;11(1–4):197–214 (96 ref.)

Serotonin 5-HT3, 5-HT4, and 5-HT-M receptors. Hoyer D. **Neuropsychopharmacology** 1990 Oct–Dec;3(5–6):371–83 (118 ref.)

Current problems and future requirements for 5-hydroxytryptamine receptor classification. Martin GR. **Neuropsychopharmacology** 1990 Oct–Dec;3(5–6):321–33 (77 ref.)

On the structural and mechanistic basis of function, classification, and ligand design for 5-HT receptors. Weinstein H, et al. **Neuropsychopharmacology** 1990 Oct–Dec;3(5–6):397–409 (51 ref.)

5-Hydroxytryptamine receptor subtypes. Peroutka SJ. **Pharmacol Toxicol** 1990 Nov;67(5):373–83 (64 ref.)

DRUG EFFECTS

Potential usefulness of combined thromboxane A2 and serotonin receptor blockade for preventing the conversion from chronic to acute coronary artery disease syndromes. Willerson JT, et al. **Am J Cardiol** 1990 Nov 6; 66(16):48G–53G (41 ref.)

5-HT1A partial agonists. What is their future? Glitz DA, et al. **Drugs** 1991 Jan;41(1):11–8 (120 ref.)

Pharmacological profile of antihypertensive drugs with serotonin receptor and alpha-adrenoceptor activity. van Zwieten PA, et al. **Drugs** 1990;40 Suppl 4:1–8; discussion 28–30 (41 ref.)

Antidepressants: current concepts of mode of action. Cowen PJ. **Int Clin Psychopharmacol** 1990 Jul;5 Suppl 3:45–55 (37 ref.)

Influence of 5-HT1A receptor agonists on sympathetic and parasympathetic nerve activity. Ramage AG. **J Cardiovasc Pharmacol** 1990;15 Suppl 7:S75–85 (68 ref.)

The 5-HT receptor--G-protein--effector system complex in depression. I. Effect of glucocorticoids. Lesch KP, et al. **J Neural Transm Gen Sect** 1991;84(1–2):3–18 (89 ref.)

Application of brain microdialysis to study the pharmacology of the 5-HT1A autoreceptor. Sharp T, et al. **J Neurosci Methods** 1990 Sep;34(1–3):83–90 (40 ref.)

Buspirone and related compounds as alternative anxiolytics. Taylor DP, et al. **Neuropeptides** 1991 Jul;19 Suppl:15–9 (15 ref.)

Behavioral effects of 5-HT receptor ligands in the aversive brain stimulation, elevated plus-maze and learned helplessness tests. Graeff FG, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):501–6 (49 ref.)

Novel anxiolytic agents: actions on specific subtypes of central 5-HT receptors. Yocca FD. **Prog Clin Biol Res** 1990;361:145–77 (115 ref.)

[The types of central serotonin receptors, their functional role and participation in the action of psychopharmacologic agents] Abramets II. **Farmakol Toksikol** 1990 Sep–Oct; 53(5):70–5 (72 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

[Molecular biology of 5-HT receptors] Xu W, et al. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):15–20 (44 ref.) **(Chi)**

METABOLISM

Studies on central nervous system serotonin receptors in mood disorders. Young A, et al. **Ann Acad Med Singapore** 1991 Jan;20(1):46–50 (36 ref.)

Imaging the serotonergic system by positron emission tomography. Frost JJ. **Ann N Y Acad Sci** 1990;600:273–80; discussion 280–1 (47 ref.)

Molecular studies of 5-HT receptors. Shih JC, et al. **Ann N Y Acad Sci** 1990;600:206–11 (41 ref.)

5-HT receptors linked to adenylyl cyclase activity in mammalian brain. Yocca FD, et al. **Ann N Y Acad Sci** 1990;600:212–23 (59 ref.)

Molecular biology of serotonin receptors. Julius D. **Annu Rev Neurosci** 1991;14:335–60 (110 ref.)

Molecular graphics applied to 5-HT3 ligands. Peroutka SJ. **Neuropeptides** 1991 Jul;19 Suppl:21–3 (5 ref.)

The main features of central 5-HT1 receptors. Hamon M, et al. **Neuropsychopharmacology** 1990 Oct–Dec; 3(5–6):349–60 (70 ref.)

Neuropsychiatric disorders and the multiple human brain serotonin receptor subtypes and subsystems. Murphy DL. **Neuropsychopharmacology** 1990 Oct–Dec;3(5–6):457–71 (171 ref.)

PHYSIOLOGY

The "serotonin hypothesis" for depression in Parkinson's disease. Mayeux R. **Adv Neurol** 1990;53:163–6 (30 ref.)

Self-injurious behavior: a review of the behavior and biology of self-mutilation. Winchel RM, et al. **Am J Psychiatry** 1991 Mar;148(3):306–17 (116 ref.)

Electrophysiology of the central serotonin system: receptor subtypes and transducer mechanisms. Aghajanian GK, et al. **Ann N Y Acad Sci** 1990;600:93–103; discussion 103 (68 ref.)

Endocrinological responses to 5-HT. Cowen PJ, et al. **Ann N Y Acad Sci** 1990;600:250–7; discussion 257–9 (11 ref.)

5-HT1A receptors and 5-HT1A-mediated responses: effect of treatments that modify serotonergic neurotransmission. Frazer A, et al. **Ann N Y Acad Sci** 1990;600:460–74; discussion 474–5 (90 ref.)

Serotonin receptor subtypes and sexual behavior. Gorzalka BB, et al. **Ann N Y Acad Sci** 1990;600:435–44; discussion 445–6 (106 ref.)

Presynaptic serotonin receptors in the central nervous system. Göthert M. **Ann N Y Acad Sci** 1990;604:102–12 (71 ref.)

The central 5-HT1A receptors: pharmacological, biochemical, functional, and regulatory properties. Hamon M, et al. **Ann N Y Acad Sci** 1990;600:114–29; discussion 129–31 (64 ref.)

The 5-HT1C receptor. Hartig PR, et al. **Ann N Y Acad Sci** 1990;600:149–66; discussion 166–7 (71 ref.)

Serotonin 5-HT1D receptors. Hoyer D, et al. **Ann N Y Acad Sci** 1990;600:168–81; discussion 181–2 (63 ref.)

The 5-HT1B receptors. Middlemiss DN, et al. **Ann N Y Acad Sci** 1990;600:132–47; discussion 347–48 (85 ref.)

Distribution of serotonin receptors. Palacios JM, et al. **Ann N Y Acad Sci** 1990;600:36–52 (40 ref.)

Serotonin receptor "families" in the central nervous system: an overview. Peroutka SJ, et al. **Ann N Y Acad Sci** 1990; 600:104–12; discussion 113 (37 ref.)

Serotonin receptors and phosphatidylinositol turnover. Sanders-Bush E, et al. **Ann N Y Acad Sci** 1990;600:224–35; discussion 235–6 (49 ref.)

5-HT3 receptors. Tyers MB. **Ann N Y Acad Sci** 1990; 600:194–202; discussion 202–5 (83 ref.)

Physiological modulation of alpha-adrenoceptor and 5HT receptor expression in blood vessels. McGrath JC, et al. **Blood Vessels** 1990;27(2–5):146–52 (25 ref.)

The role of 5-hydroxytryptamine and 5-hydroxytryptaminergic mechanisms in hypertension. van Zwieten PA, et al. **Br J Clin Pharmacol** 1990;30 Suppl 1:69S–74S (36 ref.)

5-HT3 receptors [published erratum appears in Med Res Rev 1991 Mar;11(2):237] Kilpatrick GJ, et al. **Med Res Rev** 1990 Oct–Dec;10(4):441–75 (236 ref.)

The serotonin 5-HT1D receptor: a progress review. Waeber C, et al. **Neurochem Res** 1990 Jun;15(6):567–82 (96 ref.)

Developments in 5-hydroxytryptamine receptor pharmacology in migraine. Peroutka SJ. **Neurol Clin** 1990 Nov;8(4):829–39 (56 ref.)

Serotonin receptors and neuroendocrine responses. Fuller RW. **Neuropsychopharmacology** 1990 Oct–Dec; 3(5–6):495–502 (76 ref.)

5-HT receptor subtypes outside the central nervous system. Roles in the physiology of the gut. Gershon MD, et al. **Neuropsychopharmacology** 1990 Oct–Dec;3(5–6):385–95 (82 ref.)

Electrophysiologic studies of serotonin receptor activation. Answered and unanswered questions. Goldfarb J. **Neuropsychopharmacology** 1990 Oct–Dec;3(5–6):435–46 (74 ref.)

The molecular biology of serotonin receptors. An overview. Hartig P, et al. **Neuropsychopharmacology** 1990 Oct–Dec; 3(5–6):335–47 (41 ref.)

Gaps and peculiarities in 5-HT2 receptor studies. Leysen JE. **Neuropsychopharmacology** 1990 Oct–Dec;3(5–6):361–9 (33 ref.)

5-Hydroxytryptamine1A receptors and behavioral responses. Lucki I, et al. **Neuropsychopharmacology** 1990 Oct–Dec; 3(5–6):481–93 (98 ref.)

Regulation of 5-HT2 and 5-HT1C serotonin receptor levels. Methodology and mechanisms. Roth BL, et al. **Neuropsychopharmacology** 1990 Oct–Dec;3(5–6):427–33 (32 ref.)

Adaptive regulation of central serotonin receptors linked to phosphoinositide hydrolysis. Sanders-Bush E. **Neuropsychopharmacology** 1990 Oct–Dec;3(5–6):411–6 (30 ref.)

5HT3-antagonist receptors: their role in drug-induced emesis. Dieras V, et al. **Nouv Rev Fr Hematol** 1990; 32(6):449–52 (11 ref.)

The 5-HT2 receptor in brain: recent biochemical and molecular biological developments and new perspectives in its regulation. Apud JA. **Pharmacol Res** 1991 Apr; 23(3):217–32 (122 ref.)

New vistas on 5-HT receptors and migraine. Peroutka SJ. **Prog Neuropsychopharmacol Biol Psychiatry** 1991; 15(2):191–7 (29 ref.)

Antidepressant-anxiolytic interactions: involvement of the benzodiazepine–GABA and serotonin systems. Suranyi-Cadotte BE, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(5):633–54 (132 ref.)

Serotonergic dysfunction and aggression control [editorial] Van Praag HM. **Psychol Med** 1991 Feb;21(1):15–9 (39 ref.)

[Classification, distribution and functions of 5-hydroxytryptamine receptors] Xin HB, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul;21(3):235–41 (59 ref.) **(Chi)**

[Serotonin and cardiovascular control] Aurup P, et al. **Ugeskr Laeger** 1990 Sep 24;152(39):2840–3 (30 ref.) (Eng. Abstr.) **(Dan)**

[The serotonin hypothesis of depression (published erratum appears in Fortschr Neurol Psychiatr 1991 May;59(5):201)] Lesch KP, et al. **Fortschr Neurol Psychiatr** 1990 Nov; 58(11):427–38 (110 ref.) (Eng. Abstr.) **(Ger)**

[Serotonin receptors of the central neurons. The correlations of radioligand, biochemical and electrophysiological research] Abramets II. **Usp Fiziol Nauk** 1991 Apr–Jun; 22(2):124–33 (57 ref.) **(Rus)**

[Serotonin receptors as a target for new drugs] Franck J, et al. **Lakartidningen** 1990 Dec 19;87(51–52):4417–9 (23 ref.) **(Swe)**

RECEPTORS, SOMATOTROPIN

Growth hormone receptor and binding protein. Spencer SA, et al. **Recent Prog Horm Res** 1990;46:165–81; discussion 181–3 (39 ref.)

DRUG EFFECTS

Regulation of growth hormone receptor turnover by growth hormone. Hochberg Z, et al. **Acta Paediatr Scand Suppl** 1990;367:148–52 (20 ref.)

METABOLISM

Receptor assays for growth hormone. Friesen HG. **Acta Paediatr Scand Suppl** 1990;370:87–91; discussion 92 (20 ref.)

PHYSIOLOGY

The growth hormone binding protein as a paradigm of the erythropoietin superfamily of receptors. Hochberg Z, et al. **Cell Signal** 1991;3(2):85–91 (74 ref.)

RECEPTORS, STEROID

Steroid hormone receptors. Jensen EV. **Curr Top Pathol** 1991;83:365–431 (615 ref.)

Prostatic cancer—immunohistochemistry of steroid hormone receptors. Wernert N, et al. **Curr Top Pathol** 1991;83:475–94 (117 ref.)

ANALYSIS

Steroid receptors in breast cancer. Rayter Z. **Br J Surg** 1991 May;78(5):528–35 (164 ref.)

Chemotherapy, hormonal therapy, and steroid receptors in gynecologic cancer. Blackledge G, et al. **Curr Opin Oncol** 1990 Oct;2(5):881–4 (10 ref.)

Aging reduces intestinal and skeletal receptors for 1,25–dihydroxyvitamin D. **Nutr Rev** 1991 Jun;49(6):189–91 (5 ref.)

[Analysis of steroid receptors: characteristics of receptors for 1,25–dihydroxyvitamin D] Justová V. **Cesk Fysiol** 1991; 40(2):133–46 (50 ref.) **(Cze)**

[Influences on steroid receptor levels and their significance for clinical practice] Vering A, et al. **Gynakologe** 1991 Feb; 24(1):22–7 (29 ref.) **(Ger)**

[Pancreatic carcinoma, sex hormones receptors and treatment with tamoxifen] Grunebaum E, et al. **Harefuah** 1991 Mar 15;120(6):340–3 (32 ref.) **(Heb)**

GENETICS

Superfamily of steroid nuclear receptors: positive and negative regulators of gene expression. Wahli W, et al. **FASEB J** 1991 Jun;5(9):2243–9 (58 ref.)

Genetic defects of the 1,25–dihydroxyvitamin D3 receptor. Hughes MR, et al. **J Recept Res** 1991;11(1–4):699–716 (37 ref.)

Hereditary 1,25–dihydroxyvitamin D resistant rickets: molecular basis and implications for the role of 1,25(OH) 2D3 in normal physiology. Feldman D, et al. **Mol Cell Endocrinol** 1990 Sep 10;72(3):C57–62 (53 ref.)

IMMUNOLOGY

Immunomodulating properties of 1,25–dihydroxyvitamin D3. Manolagas SC, et al. **Kidney Int Suppl** 1990 Sep;29:S9–16 (65 ref.)

METABOLISM

Phosphorylation of steroid hormone receptors. Moudgil VK. **Biochim Biophys Acta** 1990 Dec 10;1055(3):243–58 (194 ref.)

Renal 11–beta–hydroxysteroid dehydrogenase: a mechanism ensuring mineralocorticoid specificity. Edwards CR. **Horm Res** 1990;34(3–4):114–7 (31 ref.)

PHYSIOLOGY

Vitamin D3 receptors: structure and function in transcription. Pike JW. **Annu Rev Nutr** 1991;11:189–216 (156 ref.)

Steroid hormone receptors and in vitro transcription. Allan GF, et al. **Bioessays** 1991 Feb;13(2):73–8 (39 ref.)

Transcriptional control by nuclear receptors. Beato M. **FASEB J** 1991 Apr;5(7):2044–51 (42 ref.)

Steroids and steroid receptors in growth control of cultured breast cancer cells. Darbre PD. **Int J Cancer Suppl** 1990; 5:67–75 (118 ref.)

RECEPTORS, STRETCH see **MECHANORECEPTORS**

RECEPTORS, SYNAPTIC

Neurotransmitter receptors in human brain diseases. Probst A, et al. **Curr Top Pathol** 1991;83:219–70 (214 ref.)

Isolation, localization, and cloning of a kainic acid binding protein from frog brain. Wenthold RJ, et al. **J Histochem Cytochem** 1990 Dec;38(12):1717–23 (18 ref.)

Evolutionary aspects of transmitter molecules, their receptors and channels. Walker RJ, et al. **Parasitology** 1991;102 Suppl:S7–29 (230 ref.)

ANALYSIS

Structure/function relationship of proteins belonging to the family of receptors coupled to GTP–binding proteins. Strosberg AD. **Eur J Biochem** 1991 Feb 26;196(1):1–10 (66 ref.)

Use of anti–idiotypic antibodies as probes for in vitro and in vivo identification of substance P receptor. Couraud JY, et al. **Mol Chem Neuropathol** 1990 Jan;12(1):71–82 (19 ref.)

Tachykinin receptors in the airways and lung: what should be block? Maggi CA. **Pharmacol Res** 1990 Sep–Oct; 22(5):527–40 (92 ref.)

ANTAGONISTS & INHIBITORS

Spider toxin and the glutamate receptors. Kawai N, et al. **Comp Biochem Physiol [C]** 1991;98(1):87–95 (43 ref.)

CHEMISTRY

Measurement of the in vitro release of endogenous monoamine neurotransmitters as a means of identification of prejunctional receptors. Middlemiss DN, et al. **J Neurosci Methods** 1990 Sep;34(1–3):23–8 (48 ref.)

CLASSIFICATION

Evidence for glutamate receptor subtypes from in vivo electrophysiology: studies with HA–966, quinoxalinediones and philanthotoxin. Lodge D, et al. **Adv Exp Med Biol** 1990;268:101–8 (34 ref.)

Experiments with kainate and quisqualate agonists and antagonists in relation to the sub–classification of 'non–NMDA' receptors. Watkins JC, et al. **Adv Exp Med Biol** 1990;268:49–55 (30 ref.)

DRUG EFFECTS

Atypical neuroleptics: role of multiple receptors, endogenous dopamine, and receptor linkage. Seeman P. **Acta Psychiatr Scand Suppl** 1990;358:19–20 (72 ref.)

The efficacy of levodopa treatment declines in the course of Parkinson's disease: do nondopaminergic lesions play a role? Agid Y, et al. **Adv Neurol** 1990;53:83–100 (135 ref.)

Behavioural pharmacology of nicotine: multiple mechanisms. Stolerman IP. **Br J Addict** 1991 May;86(5):533–6 (12 ref.)

The relevance of receptor binding studies to tobacco research. Wonnacott S. **Br J Addict** 1991 May;86(5):537–41 (28 ref.)

Central receptors and recognition sites mediating the effects of monoamines and anorectic drugs on feeding behavior. Angel I. **Clin Neuropharmacol** 1990 Oct;13(5):361–91 (283 ref.)

Quinoxalinediones as excitatory amino acid antagonists in the vertebrate central nervous system. Davies SN, et al. **Int Rev Neurobiol** 1990;32:281–303 (78 ref.)

Biochemical genetic differences in vulnerability to drug effects: is statistically significant always physiologically important and vice versa? Ritz MC. **J Addict Dis** 1991; 10(1–2):189–203 (44 ref.)

Biological basis of depression and therapeutic relevance [published erratum appears in J Clin Psychiatry 1991 Aug;52(8):353] Richelson E. **J Clin Psychiatry** 1991 Jun; 52 Suppl:4–10 (70 ref.)

Psychopharmacology of classical and atypical antipsychotics. Richelson E. **Yakubutsu Seishin Kodo** 1991 Feb;11(1):71–4 (11 ref.)

[Clinical and neurobiological aspects of long–term administration of psychotropic drugs] Bourin M, et al. **Can J Psychiatry** 1991 May;36(4):260–4 (55 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Heterogeneity of the inhibitory glycine receptor. Kuhse J, et al. **Ann N Y Acad Sci** 1991;625:129–35 (38 ref.)

Molecular biology of receptors for neuropeptide hormones. Richter D, et al. **Curr Top Pathol** 1991;83:117–39 (96 ref.)

Structure and function of G protein coupled receptors. Lameh J, et al. **Pharm Res** 1990 Dec;7(12):1213–21 (62 ref.)

Molecular characterization of mammalian tachykinin receptors and a possible epithelial potassium channel. Nakanishi S, et al. **Recent Prog Horm Res** 1990;46:59–83; discussion 83–4 (49 ref.)

IMMUNOLOGY

[Immunological aspects of the treatment of various forms of Alzheimer's disease] Leszek J, et al. **Psychiatr Pol** 1989 Sep–Dec;23(5–6):373–8 (40 ref.) **(Pol)**

METABOLISM

Specific quisqualate receptor ligand blocks both kainate and quisqualate responses. Honore T, et al. **Adv Exp Med Biol** 1990;268:65–71 (25 ref.)

Axonal transport of receptors. A major criterion for presynaptic localization. Laduron PM, et al. **Ann N Y Acad Sci** 1990;604:462–9 (44 ref.)

Ernst Klenk Lecture, November 1987. Molecular studies in neuroscience: implications for medicine. Bloom FE. **Biol Chem Hoppe Seyler** 1991 Apr;372(4):245–54 (85 ref.)

Neuronal architecture, receptor and Ca2+ channel distribution in regenerating giant interneurons. Spira ME, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):125–40 (42 ref.)

Bradykinin receptors: characterization, distribution and mechanisms of signal transduction. Roberts RA. **Prog Growth Factor Res** 1989;1(4):237–52 (98 ref.)

Glutamate receptors, protein kinase C translocation, and gangliosides. Vaccarino FM. **Psychopharmacol Bull** 1988; 24(3):403–7 (16 ref.)

[Glutamate receptor and spider toxins] Kawai N, et al. **Seikagaku** 1990 Oct;62(10):1241–53 (61 ref.) **(Jpn)**

PHYSIOLOGY

Monoamines and schizophrenia. Sedvall G. **Acta Psychiatr Scand Suppl** 1990;358:7–13 (17 ref.)

Roles of metabotropic and ionotropic glutamate receptors in the long–term potentiation of hippocampal mossy fiber synapses. Sugiyama H, et al. **Adv Exp Med Biol** 1990; 268:387–94 (16 ref.)

The nigrostriatal system in Parkinson's disease. Graybiel AM, et al. **Adv Neurol** 1990;53:17–29 (29 ref.)

Insights into the structure and function of GABA–benzodiazepine receptors: ion channels and psychiatry. Zorumski CF, et al. **Am J Psychiatry** 1991 Feb; 148(2):162–73 (114 ref.)

Presynaptic receptors in hypertension. Borkowski KR. **Ann N Y Acad Sci** 1990;604:389–97 (74 ref.)

Presynaptic receptors in the neuromuscular junction. Bowman WC, et al. **Ann N Y Acad Sci** 1990;604:69–81 (91 ref.)

Transmitter release from sympathetic nerve terminals on an impulse–by–impulse basis and presynaptic receptors. Brock JA, et al. **Ann N Y Acad Sci** 1990;604:176–87 (32 ref.)

Presynaptic receptors in the visual system. Dubocovich ML. **Ann N Y Acad Sci** 1990;604:82–95 (59 ref.)

Presynaptic serotonin receptors in the central nervous system. Göthert M. **Ann N Y Acad Sci** 1990;604:102–12 (71 ref.)

Regulatory proteins in presynaptic function. Hertting G, et al. **Ann N Y Acad Sci** 1990;604:289–304 (61 ref.)

Receptor interactions at noradrenergic neurones. Illes P, et al. **Ann N Y Acad Sci** 1990;604:197–210 (67 ref.)

Heteroreceptors, autoreceptors, and other terminal sites. Kalsner S. **Ann N Y Acad Sci** 1990;604:1–6 (37 ref.)

Early evidence of presynaptic receptors. Koelle GB. **Ann N Y Acad Sci** 1990;604:488–91 (23 ref.)

Presynaptic receptors on peripheral noradrenergic neurons. Langer SZ, et al. **Ann N Y Acad Sci** 1990;604:7–16 (64 ref.)

Second messengers are involved in facilitatory but not inhibitory receptor actions at sympathetic nerve endings. Majewski H, et al. **Ann N Y Acad Sci** 1990;604:266–75 (38 ref.)

Presynaptic receptors. Relevance to psychotropic drug action in man. Meltzer HY. **Ann N Y Acad Sci** 1990; 604:353–71 (141 ref.)

On the role of adenylate cyclase in presynaptic modulation of neurotransmitter release mediated by monoamine and opioid receptors in the brain. Mulder AH, et al. **Ann N Y Acad Sci** 1990;604:237–49 (60 ref.)

Modulation of noradrenaline release by activation of presynaptic beta–adrenoceptors in the cardiovascular system. Nedergaard OA, et al. **Ann N Y Acad Sci** 1990; 604:528–44 (84 ref.)

Presynaptic muscarinic receptors in the central nervous system. Raiteri M, et al. **Ann N Y Acad Sci** 1990;604:113–29 (75 ref.)

Operation of presynaptic alpha 2–adrenoceptors in vivo in the rat brain. Scatton B. **Ann N Y Acad Sci** 1990;604:514–27 (37 ref.)

Modulation of histamine synthesis and release in brain via presynaptic autoreceptors and heteroreceptors. Schwartz JC, et al. **Ann N Y Acad Sci** 1990;604:40–54 (38 ref.)

Conditions for the operation of presynaptic receptors. Story DF, et al. **Ann N Y Acad Sci** 1990;604:439–51 (36 ref.)

In vivo electrophysiology of central nervous system terminal autoreceptors. Tepper JM, et al. **Ann N Y Acad Sci** 1990; 604:470–87 (67 ref.)

Synaptic and nonsynaptic cross talk between neurons. Role of presynaptic alpha 2–receptors in mental disorders. Vizi ES. **Ann N Y Acad Sci** 1990;604:344–52 (43 ref.)

Presynaptic GABA receptors. Waldmeier PC, et al. **Ann N Y Acad Sci** 1990;604:136–51 (48 ref.)

The physiological operation of presynaptic inhibitory autoreceptors. Westfall TC. **Ann N Y Acad Sci** 1990; 604:398–413 (121 ref.)

Autoreceptor regulation of dopamine synthesis. Wolf ME, et al. **Ann N Y Acad Sci** 1990;604:323–43 (150 ref.)

Modulation of serotonin release. Interactions between the serotonin transporter and autoreceptors. Wolf WA, et al. **Ann N Y Acad Sci** 1990;604:505–13 (29 ref.)

Mammalian tachykinin receptors. Nakanishi S. **Annu Rev Neurosci** 1991;14:123–36 (41 ref.)

The use of anti–idiotypic antibodies as a strategy for studying glutamate receptors. Duce IR, et al. **Biochem Soc Trans** 1991 Feb;19(1):143–6 (15 ref.)

Use of clonal cell lines in the analysis of neurotransmitter receptor mechanisms and function. Buckley NJ, et al. **Biochim Biophys Acta** 1990 Oct 15;1055(1):43–53 (92 ref.)

Vasoactive peptides and their receptors. Regoli D, et al. **Blood Vessels** 1990;27(2–5):137–45 (24 ref.)

Central receptors and recognition sites mediating the effects of monoamines and anorectic drugs on feeding behavior. Angel I. **Clin Neuropharmacol** 1990 Oct;13(5):361–91 (283 ref.)

Gastrointestinal receptors and drugs in motility disorders. Ruoff HJ, et al. **Digestion** 1991;48(1):1–17 (132 ref.)

The inhibitory glycine receptor: a ligand–gated chloride

channel of the central nervous system. Langosch D, et al. **Eur J Biochem** 1990 Nov 26;194(1):1–8 (66 ref.)
Receptor-mediated regulation of calcium channels and neurotransmitter release. Miller RJ. **FASEB J** 1990 Dec; 4(15):3291–9 (97 ref.)
Single-channel studies of glutamate receptors. Sansom MS, et al. **Int Rev Neurobiol** 1990;32:51–106 (200 ref.)
The role of quisqualate receptors in the induction of hippocampal long-term potentiation. Izumi Y, et al. **Med Hypotheses** 1990 Oct;33(2):89–93 (48 ref.)
Moving ahead yet falling behind. A critical appraisal of some trends in contemporary depression research. van Praag HM. **Neuropsychobiology** 1989;22(4):181–93 (48 ref.)
Synaptic receptors and intracellular signal transduction in the cerebellum. Okamoto K, et al. **Neurosci Res** 1991 Jan; 9(4):213–37 (306 ref.)
Excitatory amino acid receptors of cerebellar Purkinje cells: development and plasticity. Crepel F, et al. **Prog Biophys Mol Biol** 1991;55(1):31–46 (93 ref.)
Receptors, phosphoinositol hydrolysis and plasticity of nerve cells. Pontzer NJ, et al. **Prog Brain Res** 1990;86:221–5 (20 ref.)
Glutamate, nitric oxide and cell–cell signalling in the nervous system. Garthwaite J. **Trends Neurosci** 1991 Feb;14(2):60–7 (53 ref.)
Stimulation intensity as critical determinant of presynaptic receptor effectiveness. Duckles SP, et al. **Trends Pharmacol Sci** 1990 Nov;11(11):440–3 (27 ref.)
[Receptors for bradykinin and related kinins—their characteristics and role] Shisheva A. **Eksp Med Morfol** 1990;29(3):68–74 (34 ref.) **(Bul)**
[Postsynaptic cytoskeleton and acetylcholine receptor clusters] Gao TM. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul;21(3):247–50 (32 ref.) **(Chi)**
[The glycine receptor—the normal, pathological and therapeutic implications] Nechifor M. **Rev Med Chir Soc Med Nat Iasi** 1990 Jan–Mar;94(1):223–4 (18 ref.) **(Rum)**

ULTRASTRUCTURE

New developments in the pathology of Parkinson's disease. Jellinger K. **Adv Neurol** 1990;53:1–16 (71 ref.)

RECEPTORS, T-CELL GROWTH FACTOR see **RECEPTORS, INTERLEUKIN-2**

RECEPTORS, THYROID HORMONE

PHYSIOLOGY

Regulation of gene expression by the thyroid hormone receptor. Glass CK, et al. **Biochim Biophys Acta** 1990 Dec 11;1032(2–3):157–76 (172 ref.)
Nuclear thyroid hormone receptors. Lazar MA, et al. **J Clin Invest** 1990 Dec;86(6):1777–82 (82 ref.)

RECEPTORS, THYROTROPIN

CHEMISTRY

The structure of thyroid autoantigens. Furmaniak J, et al. **Autoimmunity** 1990;7(1):63–80 (110 ref.)
Towards understanding the glycoprotein hormone receptors. Salesse R, et al. **Biochimie** 1991 Jan;73(1):109–20 (56 ref.)

GENETICS

The molecular genetics of three thyroid autoantigens: thyroglobulin, thyroid peroxidase and the thyrotropin receptor. Ludgate M, et al. **Autoimmunity** 1990; 7(2–3):201–11 (56 ref.)

IMMUNOLOGY

Autoantibodies to the TSH receptor in patients with autoimmune thyroid disease. McGregor AM. **Clin Endocrinol (Oxf)** 1990 Dec;33(6):683–5 (19 ref.)

METABOLISM

Structural analysis of the TSH receptor. Rees Smith B, et al. **Horm Metab Res Suppl** 1990;23:28–32 (42 ref.)

PHYSIOLOGY

Antibodies to receptors by an auto-anti-idiotypic strategy. Erlanger BF. **Biochem Soc Trans** 1991 Feb;19(1):138–43 (30 ref.)

RECEPTORS, TRANSFERRIN

see related
CARRIER PROTEINS

[Transferrin, transferrin receptors and incorporation of iron into cells] Fuchs O. **Cesk Fysiol** 1990;39(4):333–52 (110 ref.) **(Cze)**

BIOSYNTHESIS

Regulation of transferrin receptor expression and control of cell growth. Neckers LM. **Pathobiology** 1991;59(1):11–8 (24 ref.)

METABOLISM

Transferrin receptor expression in normal and iron overloaded liver. Sciot R, et al. **APMIS Suppl** 1991; 23:21–31 (70 ref.)
[Expression and extracellular release of transferrin receptors on erythropoiesis] Kohgo Y, et al. **Rinsho Ketsueki** 1991 Jun;32(6):580–6 (17 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

B lymphocyte activation: the transferrin receptor as a prototype intermediate activation molecule. Ashman RF. **J Lab Clin Med** 1990 Dec;116(6):759–65 (15 ref.)
[Transferrin receptors in immunological response] Cardos B. **Rev Med Liege** 1991 Apr;46(4):216–24 (55 ref.) **(Fre)**

RECEPTORS, TRANSFORMING GROWTH FACTOR ALPHA see **RECEPTORS, EPIDERMAL GROWTH FACTOR-UROGASTRONE**

RECEPTORS, TRYPTAMINE see **RECEPTORS, SEROTONIN**

RECEPTORS, VERY LATE ANTIGEN

METABOLISM

Multiple ligand binding functions for VLA-2 (alpha 2 beta 1) and VLA-3 (alpha 3 beta 1) in the integrin family. Hemler ME, et al. **Cell Differ Dev** 1990 Dec 2;32(3):229–38 (32 ref.)

RECEPTORS, VIRUS

METABOLISM

Sendai virion structure and its interaction with cellular membranes. Hosaka Y. **Electron Microsc Rev** 1988; 1(1):17–38 (147 ref.)

PHYSIOLOGY

Differential reactivity of bovine coronavirus (BCV) and influenza C virus with N-acetyl-9-O-acetylneuraminic acid (Neu5,9Ac2)-containing receptors. Schultze B, et al. **Adv Exp Med Biol** 1990;276:115–9 (9 ref.)
Inhibition of receptor-mediated cellular entry of viruses including HIV: a perspective on further researches on chemotherapy in viral diseases including AIDS. Chaldakov GN. **Med Hypotheses** 1990 Dec;33(4):265–8 (28 ref.)
Cellular receptor for human cytomegalovirus. Cooper NR, et al. **Transplant Proc** 1991 Jun;23(3 Suppl 3):56–9, discussion 59 (4 ref.)
Human cytomegalovirus glycoprotein-receptor interactions. Rasmussen L, et al. **Transplant Proc** 1991 Jun;23(3 Suppl 3):60–3 (8 ref.)

RECEPTORS, VLA see **RECEPTORS, VERY LATE ANTIGEN**

RECEPTOSOMES

see related
ENDOCYTOSIS

RECKLINGHAUSEN'S DISEASE OF NERVE see **NEUROFIBROMATOSIS**

RECOMBINANT DNA see **DNA, RECOMBINANT**

RECOMBINANT FUSION PROTEINS

Diphtheria-related peptide hormone gene fusions: a molecular genetic approach to chimeric toxin development. Murphy JR. **Cancer Treat Res** 1988;37:123–40 (51 ref.)

GENETICS

Grafting genetically modified cells to the brain: conceptual and technical issues. Gage FH, et al. **Prog Brain Res** 1990; 82:1–10 (37 ref.)

IMMUNOLOGY

Transfection of genes for cell surface products involved in antigen presentation—applications to the understanding of autoimmunity. Altmann DM, et al. **Autoimmunity** 1990; 7(2–3):213–20 (45 ref.)
Tolerance to self-antigens in transgenic mice. Adams TE. **Mol Biol Med** 1990 Aug;7(4):341–57 (85 ref.)

PHYSIOLOGY

Hematopoietic effects of a granulocyte-macrophage colony-stimulating factor/interleukin-3 fusion protein. Williams DE, et al. **Cancer** 1991 May 15;67(10 Suppl):2705–7 (5 ref.)

RECOMBINANT INTERFERON ALFA-2A see **INTERFERON ALFA-2A**

RECOMBINANT INTERFERON ALFA-2B see **INTERFERON ALFA-2B**

RECOMBINANT INTERFERON ALFA-2C see **INTERFERON ALFA, RECOMBINANT**

RECOMBINANT INTERFERON GAMMA see **INTERFERON GAMMA, RECOMBINANT**

RECOMBINANT PROTEINS

The regulation of biological products. Brown KR. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):502–5 (7 ref.)
Recombinant human erythropoietin: experimental and clinical applications. Nielsen OJ. **Scand J Clin Lab Invest** 1991 Feb;51(1):1–10 (79 ref.)

ADMINISTRATION & DOSAGE

Delivery of recombinant peptide and protein drugs. Mackay M. **Biotechnol Genet Eng Rev** 1990;8:251–78 (176 ref.)

ADVERSE EFFECTS

Safety aspects in the quality control of recombinant products from mammalian cell culture. Garnick RL. **J Pharm Biomed Anal** 1989;7(2):255–66 (10 ref.)

ANALYSIS

Quantitation of DNA and protein impurities in biopharmaceuticals. Briggs J, et al. **Anal Chem** 1991 May 1;63(9):850–9 (51 ref.)

BIOSYNTHESIS

The production of foreign proteins in Saccharomyces cerevisiae. Valenzuela P. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):231–40 (37 ref.)
[Drugs produced by genetic techniques] Bicker U. **Verh Dtsch Ges Inn Med** 1990;96:451–65 (0 ref.) **(Ger)**
[Methodologic principles of genetic techniques] Gassen HG. **Verh Dtsch Ges Inn Med** 1990;96:425–30 (3 ref.) **(Ger)**

DIAGNOSTIC USE

[Importance of genetic techniques for diagnosis] Afting EG, et al. **Verh Dtsch Ges Inn Med** 1990;96:431–8 (12 ref.) **(Ger)**
[Molecular biology and pathophysiologic research] Meuer SC. **Verh Dtsch Ges Inn Med** 1990;96:438–41 (8 ref.) **(Ger)**

GENETICS

Expression of heterologous genes in E. coli. Harris TJ, et al. **Microbiol Sci** 1986 Jan;3(1):28–31 (30 ref.)

IMMUNOLOGY

Human immunodeficiency virus antibody responses determined by site-directed serology. Norrby E. **Intervirology** 1990;31(6):315–26 (55 ref.)

ISOLATION & PURIFICATION

Large-scale process purification of clinical product from animal cell cultures. Prior CP. **Biotechnology** 1991; 17:445–78 (48 ref.)

THERAPEUTIC USE

Clinical studies with TNF. Taguchi T, et al. **Biotherapy** 1991; 3(2):177–86 (40 ref.)
The potential of biotechnology to improve the quality of life of patients with renal failure. Bloembergen WE, et al. **Drug Saf** 1991 Jan–Feb;6(1):1–7 (56 ref.)
Preclinical and in vitro studies of recombinant factor VIII. Fournel MA. **Semin Hematol** 1991 Apr;28(2 Suppl 1):22–6 (4 ref.)
[The new insulins: a result of molecular biology prowess, maybe a clinical advance?] Assan R. **Journ Annu Diabetol Hotel Dieu** 1991;:45–53 (12 ref.) **(Fre)**

RECOMBINATION, GENETIC

Genomic segment reassortment in rotaviruses and other reoviridae. Ramig RF, et al. **Adv Virus Res** 1991;39:163–207 (140 ref.)
Biochemistry of genetic recombination: energetics and mechanism of DNA strand exchange. Kowalczykowski SC. **Annu Rev Biophys Biophys Chem** 1991;20:539–75 (123 ref.)
Premeiotic instability of repeated sequences in Neurospora crassa. Selker EU. **Annu Rev Genet** 1990;24:579–613 (93 ref.)
Use of recombinant inbred strains to detect quantitative trait loci associated with behavior. Plomin R, et al. **Behav Genet** 1991 Mar;21(2):99–116 (30 ref.)
RecA-DNA helical filaments in genetic recombination. Stasiak AZ, et al. **Biochimie** 1991 Feb-Mar;73(2–3):199–208 (31 ref.)
The role of recombinational hotspots in genome instability in mammalian cells. Murnane JP. **Bioessays** 1990 Dec; 12(12):577–81 (62 ref.)
Quantifying the spread of recombinant genes and organisms. Manasse R, et al. **Biotechnology** 1991;15:215–31 (36 ref.)
Conjugational recombination in E. coli: myths and mechanisms. Smith GR. **Cell** 1991 Jan 11;64(1):19–27 (63 ref.)
Sex, maps, and imprinting. Thomas BJ, et al. **Cell** 1991 Jan

11;64(1):1–3 (23 ref.)
Malignant transformation of cells by DNA viruses: adenovirus DNA integration in the mammalian genome. Doerfler W. **Crit Rev Oncog** 1989;1(2):211–9 (55 ref.)
Prospects for homologous recombination in human gene therapy. Vega MA. **Hum Genet** 1991 Jul;87(3):245–53 (86 ref.)
Helical interactions in homologous pairing and strand exchange driven by RecA protein. Radding CM. **J Biol Chem** 1991 Mar 25;266(9):5355–8 (25 ref.)
Gene transfer, recombination and gene cloning in Clostridium acetobutylicum. Jones DT, et al. **Microbiol Sci** 1986 Jan; 3(1):19–22 (27 ref.)
Hepatitis B virus as an insertional mutagene in a human hepatocellular carcinoma. Dejean A, et al. **Mol Biol Med** 1990 Jun;7(3):213–22 (35 ref.)
Integration of hepatitis B virus DNA and its implications for hepatocarcinogenesis. Matsubara K, et al. **Mol Biol Med** 1990 Jun;7(3):243–60 (106 ref.)
B-chromosomes: germ-line parasites which induced changes in host recombination. Bell G, et al. **Parasitology** 1990;100 Suppl:S19–26 (64 ref.)
Genetic exchange and evolutionary relationships in protozoan and helminth parasites. Tait A. **Parasitology** 1990;100 Suppl:S75–87 (78 ref.)
Duplication of the long arm of chromosome 13 secondary to a recombination in a maternal intrachromosomal insertion (shift). Vekemans M, et al. **Prenat Diagn** 1990 Dec;10(12):787–94 (22 ref.)
Recombinant inbreds for molecular mapping in maize: theoretical and practical considerations. Burr B, et al. **Trends Genet** 1991 Feb;7(2):55–60 (33 ref.)
The polymerase in its labyrinth: mechanisms and implications of RNA recombination. Jarvis TC, et al. **Trends Genet** 1991 Jun;7(6):186–91 (39 ref.)
Chromosome synapsis and genetic recombination: their roles in meiotic chromosome segregation. Roeder GS. **Trends Genet** 1990 Dec;6(12):385–9 (33 ref.)
Genetic exchange in African trypanosomes. Sternberg J, et al. **Trends Genet** 1990 Oct;6(10):317–22 (25 ref.)
Sex and recombination in retroviruses. Temin HM. **Trends Genet** 1991 Mar;7(3):71–4 (13 ref.)
[Contribution to the discussion on the release of transgenic organisms. II. Ecologic aspects] Wöhrmann K. **Naturwissenschaften** 1991 May;78(5):209–14 (59 ref.) (Eng. Abstr.) **(Ger)**
[Gene therapy and homologous recombination] Kobayashi I. **Nippon Rinsho** 1991 May;49(5):1188–95 (28 ref.) **(Jpn)**

PHYSIOLOGY

Regulation of transposition in bacteria. Kleckner N. **Annu Rev Cell Biol** 1990;6:297–327 (139 ref.)
Detailed genetic linkage map of human chromosome 21: patterns of recombination according to age and sex. Tanzi RE, et al. **Prog Clin Biol Res** 1990;360:15–26 (20 ref.)
[Methodologic principles of genetic techniques] Gassen HG. **Verh Dtsch Ges Inn Med** 1990;96:425–30 (3 ref.) **(Ger)**
[In vitro enzymatic amplification of specific DNA sequences] Jungerman M, et al. **Postepy Biochem** 1990;36(1–2):14–21 (20 ref.) **(Pol)**

RECORD LINKAGE, MEDICAL see **MEDICAL RECORD LINKAGE**

RECORDS

STANDARDS

Recommended guidelines for uniform reporting of data from out-of-hospital cardiac arrest: the Utstein Style. Task Force of the American Heart Association, the European Resuscitation Council, the Heart and Stroke Foundation of Canada, and the Australian Resuscitation Council [see comments] Cummins RO, et al. **Ann Emerg Med** 1991 Aug; 20(8):861–74 (90 ref.) Comment in: Ann Emerg Med 1991 Aug;20(8):918–9.
Recommended guidelines for uniform reporting of data from out-of-hospital cardiac arrest: the Utstein Style. A statement for health professionals from a task force of the American Heart Association, the European Resuscitation Council, the Heart and Stroke Foundation of Canada, and the Australian Resuscitation Council. Cummins RO, et al. **Circulation** 1991 Aug;84(2):960–75 (90 ref.)

RECOVERY PERIOD, ANESTHESIA see **ANESTHESIA RECOVERY PERIOD**

RECREATION

Recreational drugs. Societal and professional issues. Solari-Twadell PA. **Nurs Clin North Am** 1991 Jun; 26(2):499–509 (13 ref.)
Creating therapeutic camp and recreation programs for children with chronic illness and disabilities. Page CJ, et al. **Pediatrician** 1990;17(4):297–307 (3 ref.)
[The ecological problems of the health resort and recreational use of bodies of water] Krasheninnikova TD, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1990 May–Jun; (3):66–72 (43 ref.) **(Rus)**

RECRUITMENT (NEUROLOGY)

PHYSIOLOGY

A recruitment theory of force–time relations in the production of brief force pulses: the parallel force unit model. Ulrich R, et al. **Psychol Rev** 1991 Apr;98(2):268–94 (95 ref.)

RECTAL DISEASES

Intussusception of the rectum and the solitary ulcer syndrome. Ihre T. **Ann Med** 1990 Dec;22(6):419–23 (35 ref.)
Solitary rectal ulcer syndrome: aetiology, investigation and management. Mackle EJ, et al. **Dig Dis** 1990;8(5):294–304 (53 ref.)
Sexually transmitted diseases of the colon, rectum, and anus. The challenge of the nineties. Wexner SD. **Dis Colon Rectum** 1990 Dec;33(12):1048–62 (161 ref.)
Perirectal abscess in childhood: a case report and literature review. Lipsky MS, et al. **J Fam Pract** 1991 May; 32(5):524–5 (6 ref.)

DIAGNOSIS

Investigation of rectal bleeding. Raine PA. **Arch Dis Child** 1991 Mar;66(3):279–80 (10 ref.)
Primary colonoscopy. Leicester RJ. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):209–23 (78 ref.)

RADIOGRAPHY

Radiology of anorectal diseases. Reeders JW, et al. **Neth J Med** 1990 Aug;37 Suppl 1:S6–21 (57 ref.)

SURGERY

[Solitary rectal ulcer syndrome: clinical features, clinical course and treatment. Apropos of 22 cases] Costalat G, et al. **Ann Chir** 1990;44(10):807–16 (30 ref.) (Eng. Abstr.) **(Fre)**

ULTRASONOGRAPHY

[Ultrasound endoscopy in colonic and rectal disease (editorial)] Roseau G, et al. **Ann Chir** 1991;45(5):373–80 (35 ref.) **(Fre)**

RECTAL DRUG ADMINISTRATION see **ADMINISTRATION, RECTAL**

RECTAL FISTULA

COMPLICATIONS

[Mucoid carcinoma of the anus and perianal fistula: a clinical case and review of the literature] Bronzi R, et al. **G Chir** 1989 Apr;10(4):170–2 (10 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Perianal complications in Crohn's disease. Goebell H. **Neth J Med** 1990 Aug;37 Suppl 1:S47–51 (22 ref.)

ETIOLOGY

Jejunal–rectal fistula as a complication of postoperative radiotherapy. Albu E, et al. **Am Surg** 1990 Nov; 56(11):697–9 (8 ref.)

SURGERY

[Treatment of rectal fistula] Kapitanov AS, et al. **Klin Khir** 1991;(2):35–8 (62 ref.) **(Rus)**

RECTAL NEOPLASMS

Cancer of the colon and rectum. Catalano MF, et al. **Clin Geriatr Med** 1991 May;7(2):331–46 (59 ref.)
Tailgut cyst (retrorectal cyst hamartoma): case report and review. Pyo DJ. **Mt Sinai J Med** 1990 Sep;57(4):249–52 (16 ref.)
[Colorectal mucinous adenocarcinoma] Niv Y. **Harefuah** 1991 Feb 1;120(3):151–3 (40 ref.) **(Heb)**
[Primary signet ring cell adenocarcinoma] Niv Y. **Harefuah** 1991 Feb 15;120(4):216–8 (45 ref.) **(Heb)**
[Leiomyosarcoma of the rectum] De Cesare A, et al. **G Chir** 1989 Jan–Feb;10(1–2):41–5 (19 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Colorectal cancer: cross-sectional imaging for staging of primary tumor and detection of local recurrence. Thoeni RF. **AJR Am J Roentgenol** 1991 May;156(5):909–15 (61 ref.)
Perforation and tumor formation of the intestine in primary amyloidosis. Ishizaki Y, et al. **Am J Gastroenterol** 1991 Mar; 86(3):363–6 (18 ref.)
Tumor markers in cancer of the colon and rectum. Woolfson K. **Dis Colon Rectum** 1991 Jun;34(6):506–11 (47 ref.)
Non-Hodgkin's lymphoma presenting as a rectal polyp in a child. Pais RC, et al. **J Pediatr Surg** 1990 Dec; 25(12):1280–2 (36 ref.)
[Comparative study of MRI and x-ray computed tomography in the preoperative evaluation of rectal carcinoma] Guinet C, et al. **J Radiol** 1990 May;71(5):357–63 (18 ref.) (Eng. Abstr.) **(Fre)**
[Computed tomography and magnetic resonance tomography of rectal and sigmoid tumors] Krestin GP, et al. **Rontgenblatter** 1990 Oct;43(10):426–9 (17 ref.) (Eng. Abstr.) **(Ger)**
[The diagnosis and therapy of recurrent tumor of the rectum] Cafiero F, et al. **Minerva Chir** 1991 Apr 15;46(7):311–6 (36 ref.) (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Adjuvant therapy for patients with colon and rectal cancer: summary of NIH consensus statement. National Cancer Institute and the Office of Medical Applications of Research of the National Institutes of Health. **Aust N Z J Surg** 1991 Jan;61(1):23 (0 ref.)
Current treatment approaches in colorectal cancer. Grem JL. **Semin Oncol** 1991 Feb;18(1 Suppl 1):17–26 (44 ref.)
[A bulky mass non-Hodgkin's lymphoma with dysuria in the rectovesical space] Tosaka A, et al. **Hinyokika Kiyo** 1990 Jun;36(6):701–5 (20 ref.) (Eng. Abstr.) **(Jpn)**

EPIDEMIOLOGY

Gastric and colorectal cancer in the tropical part of Africa (a review). Bálint GA. **Acta Med Hung** 1990;47(1–2):91–8 (62 ref.)
The risk of large bowel cancer after partial gastrectomy for benign ulcer disease. Lundegårdh G, et al. **Ann Surg** 1990 Dec;212(6):714–9 (32 ref.)

GENETICS

Nonfamilial intestinal polyposis and brain tumor in a 5-year-old girl. Castello MA, et al. **Pediatr Hematol Oncol** 1987;4(3):247–60 (28 ref.)

PATHOLOGY

Rectal hyperplastic polyps: now you see them, now you don't—a differential point. Waye JD, et al. **Am J Gastroenterol** 1990 Dec;85(12):1557–9 (13 ref.)
Rectal non-Hodgkin's lymphoma: a clinicopathologic study and review. Gottlieb CA, et al. **Henry Ford Hosp Med J** 1990;38(4):255–8 (23 ref.)
Post-hysterectomy extra-uterine endometrial stromal sarcoma: a case report. Kaseki H, et al. **Jpn J Clin Oncol** 1990 Dec;20(4):413–9 (21 ref.)
[Pulmonary metastases of colorectal origin] Mouroux J, et al. **Chirurgie** 1990;116(1):53–8; discussion 58–9 (25 ref.) (Eng. Abstr.) **(Fre)**
[Peri-colostomy hemorrhage due to portal hypertension secondary to hepatic metastasis of a rectal adenocarcinoma. Apropos of a case report. Literature review] Elcheroth J, et al. **Rev Med Brux** 1990 Sep;11(7):261–4 (19 ref.) (Eng. Abstr.) **(Fre)**

RADIOTHERAPY

Low-dose preoperative radiation postpones recurrences in operable rectal cancer. Results of a randomized multicenter trial in western Norway. Dahl O, et al. **Cancer** 1990 Dec 1;66(11):2286–94 (53 ref.)
Radiation therapy as a sphincter-preserving technique in distal invasive rectal cancer. Minsky BD. **Cancer Treat Rev** 1990 Dec;17(4):379–88 (44 ref.)
Role of radiation therapy in the treatment of carcinoma of the rectum. Tepper JE. **J Surg Oncol Suppl** 1991;2:51–3 (18 ref.)
Intraoperative brachytherapy alone for incomplete resected recurrent rectal cancer. Minsky BD, et al. **Radiother Oncol** 1991 Jun;21(2):115–20 (37 ref.)
Combined brachytherapy and external beam radiation in the treatment of anal and rectal carcinoma. Valentini V, et al. **Rays** 1991 Jan–Mar;16(1):82–91 (44 ref.) **(Eng, Ita)**
[Interstitial brachytherapy in pelvic neoplasms] Cellini N. **Radiol Med (Torino)** 1990 Oct;80(4):544–53 (119 ref.) **(Ita)**

SURGERY

Current options in the management of rectal cancer. Kodner IJ, et al. **Adv Surg** 1991;24:1–39 (120 ref.)
Low-dose preoperative radiation postpones recurrences in operable rectal cancer. Results of a randomized multicenter trial in western Norway. Dahl O, et al. **Cancer** 1990 Dec 1;66(11):2286–94 (53 ref.)
Tumor markers in cancer of the colon and rectum. Woolfson K. **Dis Colon Rectum** 1991 Jun;34(6):506–11 (47 ref.)
Indications for and results of intraoperative irradiation for locally advanced colorectal cancer. Gunderson LL, et al. **Front Radiat Ther Oncol** 1991;25:284–306; discussion 330–3 (66 ref.)
Curative local therapy of rectal cancer. Fazio VW. **Int J Colorectal Dis** 1991 May;6(2):66–73 (65 ref.)
Radical surgery in rectal cancer patients: what does it mean today? Cavaliere R, et al. **J Surg Oncol Suppl** 1991;2:24–31 (54 ref.)
Current status of sphincter preservation in rectal cancer. Harms BA, et al. **Oncology (Williston Park)** 1990 Aug; 4(8):53–60; discussion 65–6 (49 ref.)
Conservative management of invasive rectal cancer: alternative to abdominoperineal resection. Minsky BD, et al. **Oncology (Williston Park)** 1989 May;3(5):137–42; discussion 142, 146–8 (37 ref.)

New hope and promise for sphincter preservation in the management of cancer of the rectum. Marks G, et al. **Semin Oncol** 1991 Aug;18(4):388–98 (51 ref.)
[Villous tumors of the rectum. 50 cases treated surgically] Gainant A, et al. **Chirurgie** 1990;116(4–5):429–34 (30 ref.) (Eng. Abstr.) **(Fre)**
[Posterior resection of the rectum] Denecke H. **Chirurg** 1991 Jan;62(1):8–11 (19 ref.) **(Ger)**
[Peranal anastomosis after deep resection of the rectum] Eigler FW. **Chirurg** 1991 Jan;62(1):12–6 (14 ref.) **(Ger)**
[Deep resection of the rectum—transabdominal approach] Gall FP. **Chirurg** 1991 Jan;62(1):1–7 (14 ref.) **(Ger)**
[Surgical and oncologic principles of the removal of the rectum] Häring R, et al. **Zentralbl Chir** 1990;115(13):819–25 (21 ref.) (Eng. Abstr.) **(Ger)**
[Sphincter-saving procedure of abdomino-peritoneal amputation? Surgical management of cancer of the lower two third of the rectum] Csiky M, et al. **Orv Hetil** 1991 Feb 24;132(8):403–8 (31 ref.) (Eng. Abstr.) **(Hun)**
[Causes and management of local tumor recurrence after low resection of the rectum] Nagy A, et al. **Orv Hetil** 1990 Oct 14;131(41):2247–50 (21 ref.) (Eng. Abstr.) **(Hun)**
[Eversion-resection with stapler in cancer of the rectum. Original technique for preserving the sphincter in extreme cases] Tamames Escobar S. **An R Acad Nac Med (Madr)** 1990;107(3):483–91 (21 ref.) **(Spa)**

THERAPY

AXIS—a suitable case for treatment. UK Coordinating Committee on Cancer Research (UKCCCR) Colorectal Cancer Subcommittee [editorial] Gray R, et al. **Br J Cancer** 1991 Jun;63(6):841–5 (10 ref.)
Cancer of the colon and rectum. **Br J Surg** 1990 Sep; 77(9):1063–5 (0 ref.)
Adjuvant therapy for patients with colon and rectal cancer. National Institutes of Health. **Conn Med** 1990 Oct; 54(10):573–81 (45 ref.)
Adjuvant therapy for patients with colon and rectum cancer. **Consens Statement** 1990 Apr 16–18;8(4):1–25 (0 ref.)
Conservative treatment of adenocarcinoma of the lower rectum. Elias EG, et al. **Md Med J** 1991 Feb;40(2):87–8 (21 ref.)
Implications of current therapeutic approaches in colorectal cancer for other gastrointestinal malignancies. Lembersky BC. **Semin Oncol** 1991 Feb;18(1 Suppl 1):39–46 (49 ref.)
The role of immunotherapy in colorectal cancer. Wadler S. **Semin Oncol** 1991 Feb;18(1 Suppl 1):27–38 (88 ref.)

ULTRASONOGRAPHY

[Ultrasound endoscopy in colonic and rectal disease (editorial)] Roseau G, et al. **Ann Chir** 1991;45(5):373–80 (35 ref.) **(Fre)**

RECTAL PROLAPSE

SURGERY

[Solitary rectal ulcer syndrome: clinical features, clinical course and treatment. Apropos of 22 cases] Costalat G, et al. **Ann Chir** 1990;44(10):807–16 (30 ref.) (Eng. Abstr.) **(Fre)**
[Posterior resection of the rectum] Denecke H. **Chirurg** 1991 Jan;62(1):8–11 (19 ref.) **(Ger)**
[Rectal prolapse. Etiology, clinical aspects and current status of surgical therapy] Hancke E, et al. **Med Klin** 1991 Apr 15;86(4):204–8 (54 ref.) **(Ger)**

RECTAL SURGERY (SPECIALTY) see **COLON AND RECTAL SURGERY (SPECIALTY)**

RECTOCOLITIS see **PROCTOCOLITIS**

RECTOCOLITIS, HEMORRHAGIC see **COLITIS, ULCERATIVE**

RECTOCOLITIS, ULCERATIVE see **COLITIS, ULCERATIVE**

RECTOSIGMOIDITIS see **PROCTOCOLITIS**

RECTUM

[Rectal bleeding in newborn infants] Benhamou PH, et al. **Arch Fr Pediatr** 1990 Dec;47(10):747–53 (51 ref.) **(Fre)**

ABNORMALITIES

[Diagnosis and primary surgical therapy of anorectal abnormalities with regard to postoperative incontinence] Holschneider AM. **Zentralbl Chir** 1990;115(22):1409–22 (32 ref.) (Eng. Abstr.) **(Ger)**
[Surgical treatment of anorectal developmental defects in children (review of foreign literature)] Smirnov AN, et al. **Khirurgiia (Mosk)** 1990 Aug;(8):149–55 (129 ref.) **(Rus)**
[Anorectal malformations: anatomy, classification and diagnosis] Blesa Sánchez E. **Cir Pediatr** 1988 Apr; 1(2):58–61 (5 ref.) **(Spa)**

BLOOD SUPPLY

Acute colorectal ischaemia after anaphylactoid shock. Travis S, et al. **Gut** 1991 Apr;32(4):443–6 (38 ref.)

PATHOLOGY

Rectal hyperplastic polyps: now you see them, now you don't—a differential point. Waye JD, et al. **Am J Gastroenterol** 1990 Dec;85(12):1557–9 (13 ref.)
Clinical staging and pathological correlation in colorectal cancer. Mazzeo F, et al. **J Surg Oncol Suppl** 1991;2:21–3 (18 ref.)

PHYSIOLOGY

Influence of peptides on anorectal function. Christiansen J, et al. **Ann Med** 1990 Dec;22(6):413–8 (58 ref.)
Functional assessment of the anorectum in faecal incontinence. Read NW. **Ciba Found Symp** 1990; 151:119–35; discussion 135–8 (30 ref.)

PHYSIOPATHOLOGY

Anatomy and physiology of the mechanism of continence. Kuijpers JH. **Neth J Med** 1990 Aug;37 Suppl 1:S2–5 (13 ref.)

SURGERY

Curative local therapy of rectal cancer. Fazio VW. **Int J Colorectal Dis** 1991 May;6(2):66–73 (65 ref.)
Radical surgery in rectal cancer patients: what does it mean today? Cavaliere R, et al. **J Surg Oncol Suppl** 1991;2:24–31 (54 ref.)
[Functional results of ileo-rectal and ileo-anal reservoirs after complete colectomy for inflammatory disease (ulcero-hemorrhagic recto-colitis)] Mignon M, et al. **Ann Gastroenterol Hepatol (Paris)** 1990 Nov;26(6):247–50 (22 ref.) **(Fre)**
[Peranal anastomosis after deep resection of the rectum] Eigler FW. **Chirurg** 1991 Jan;62(1):12–6 (14 ref.) **(Ger)**
[Deep resection of the rectum—transabdominal approach] Gall FP. **Chirurg** 1991 Jan;62(1):1–7 (14 ref.) **(Ger)**
[Surgical and oncologic principles of the removal of the rectum] Häring R, et al. **Zentralbl Chir** 1990;115(13):819–25 (21 ref.) (Eng. Abstr.) **(Ger)**
[Treatment of rectal fistula] Kapitanov AS, et al. **Klin Khir** 1991;(2):35–8 (62 ref.) **(Rus)**
[Eversion-resection with stapler in cancer of the rectum. Original technique for preserving the sphincter in extreme cases] Tamames Escobar S. **An R Acad Nac Med (Madr)** 1990;107(3):483–91 (21 ref.) **(Spa)**
[Fecal incontinence derived from ano-rectal atresia] Gil-Vernet JM, et al. **Cir Pediatr** 1988 Apr;1(2):69–84 (88 ref.) **(Spa)**
[Surgical treatment of anorectal atresia. New contributions] González Utrilla J, et al. **Cir Pediatr** 1988 Apr;1(2):66–8 (10 ref.) **(Spa)**

RECURRENT LARYNGEAL NERVE

SURGERY

A functional evaluation of ansa cervicalis nerve transfer for unilateral vocal cord paralysis: future directions for laryngeal reinnervation. Green DC, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):453–66 (53 ref.)

RED BLOOD CELL MEMBRANE SIALOGLYCOPROTEIN see **GLYCOPHORIN**

RED CELL APLASIA, PURE

Pure red cell aplasia: review of treatment and proposal for a treatment strategy. Raghavachar A. **Blut** 1990 Aug-Sep; 61(2–3):47–51 (48 ref.)

ETIOLOGY

[A case of acute hepatitis A complicated with acute pure red cell aplasia] Tanri R, et al. **Nippon Naika Gakkai Zasshi** 1990 Jul 10;79(7):947–8 (4 ref.) **(Jpn)**

RED CELL GHOST see **ERYTHROCYTE MEMBRANE**

RED CELL INDICES see **ERYTHROCYTE INDICES**

RED CELL SUBSTITUTES see **BLOOD SUBSTITUTES**

RED MARROW see **BONE MARROW**

RED NUCLEUS

PHYSIOLOGY

Neural mechanisms underlying corticospinal and rubrospinal control of limb movements. Cheney PD, et al. **Prog Brain Res** 1991;87:213–52 (99 ref.)

RED TIDE see **DINOFLAGELLIDA**

REDOX see **OXIDATION-REDUCTION**

REDUCTASES see **OXIDOREDUCTASES**

REELER MICE see **MICE, NEUROLOGIC MUTANTS**

REFERENCE RANGES see **REFERENCE VALUES**

REFERENCE STANDARDS

Reference methods as a basis for accurate measuring systems. Büttner J. **Eur J Clin Chem Clin Biochem** 1991 Apr; 29(4):223–35 (113 ref.)

REFERENCE VALUES

Reference values, why and how. Gräsbeck R. **Scand J Clin Lab Invest Suppl** 1990;201:45–53 (26 ref.)

REFERRAL AND CONSULTATION

The relative value of consultation, questionnaires and laboratory investigation in the identification of excessive alcohol consumption. Levine J. **Alcohol Alcohol** 1990; 25(5):539–53 (70 ref.)
Gender identity disorder and psychosexual problems in children and adolescents. Bradley SJ, et al. **Can J Psychiatry** 1990 Aug;35(6):477–86 (72 ref.)
A multidimensional model for treatment of child abuse: a framework for cooperation. Baglow LJ. **Child Abuse Negl** 1990;14(3):387–95 (15 ref.)
Benign breast disorders: a symptomatic approach. Ettinger DS, et al. **Hosp Pract (Off Ed)** 1987 Sep 30;22(9A):75–7, 80–2 (9 ref.)
Institutional ethics committees and case consultation: is there a role? Gramelspacher GP. **Issues Law Med** 1991 Summer; 7(1):73–82 (39 ref.)
The internist as preoperative consultant: risk assessment and management. Gilbert PL. **Mt Sinai J Med** 1991 Jan; 58(1):3–8 (21 ref.)
Anesthesia: what the internist needs to know. Leibowitz AB, et al. **Mt Sinai J Med** 1991 Jan;58(1):9–15 (52 ref.)
[Minimal diagnostic program in urinary incontinence in the female] Fischer W. **Zentralbl Gynakol** 1990;112(12):721–3 (15 ref.) **(Ger)**

ECONOMICS

The cost and value of second surgical opinion programs: a critical review of the literature. Lindsey PA, et al. **J Health Polit Policy Law** 1990 Fall;15(3):543–70 (34 ref.)

LEGISLATION & JURISPRUDENCE

Rehabilitation of the pediatric patient with a neuromuscular disease. Russman BS. **Neurol Clin** 1990 Aug;8(3):727–40 (52 ref.)

STANDARDS

Reducing the risk of stroke: identifying patients to refer for carotid endarterectomy. Gelabert HA, et al. **Geriatrics** 1991 Sep;46(9):22–6 (24 ref.)

TRENDS

Liaison psychiatry for the 21st century: a review. Creed F. **J R Soc Med** 1991 Jul;84(7):414–7 (45 ref.)

REFLEX

Pathophysiology of cytotoxic drug-induced emesis: far from crystal-clear. Seynaeve C, et al. **Pharm Weekbl [Sci]** 1991 Feb 22;13(1):1–6 (43 ref.)
[Spinal cord regulation of somatic functions in mammals] Druga R, et al. **Cesk Fysiol** 1990;39(5):377–97 (79 ref.) **(Cze)**

DRUG EFFECTS

Correlative contribution of carotid and aortic afferences to the ventilatory chemosensory drive in steady-state normoxia and to the ventilatory chemoreflexes induced by transient hypoxia. Eugenin J, et al. **Arch Biol Med Exp (Santiago)** 1989 Dec;22(4):395–408 (35 ref.)
Pharmacology of inhaled capsaicin in humans. Fuller RW. **Respir Med** 1991 Jan;85 Suppl A:31–4 (29 ref.)

PHYSIOLOGY

Vestibulospinal and neck reflexes: interaction in the vestibular nuclei. Wilson VJ. **Arch Ital Biol** 1991 Jan;129(1):43–52 (44 ref.)
Heart failure: role of cardiovascular reflexes. Shepherd JT. **Cardioscience** 1990 Mar;1(1):7–12 (27 ref.)
Reflex control of circulation in the elderly. Mancia G, et al. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1223–8 (27 ref.)
Cardiovascular responses as behavior. Engel BT, et al. **Circulation** 1991 Apr;83(4 Suppl):II9–13 (22 ref.)
Physiology and clinical applications of hand muscle reflexes. Deuschl G, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:84–101 (96 ref.)
Electrophysiological assessment of nociception in normals and patients: the use of nociceptive reflexes. García-Larrea L, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990; 41:102–18 (70 ref.)
Long latency reflexes of human arm muscles in health and

disease. Rothwell JC.
Electroencephalogr Clin Neurophysiol Suppl 1990;41:251–63 (52 ref.)
Reflex and nervous control of the tracheobronchial circulation. Godden DJ. **Eur Respir J Suppl** 1990 Dec; 12:602s–607s (59 ref.)
The role of peptides in the regulation of the micturition reflex: an update. Maggi CA. **Gen Pharmacol** 1991; 22(1):1–24 (255 ref.)
Reflex control of renal sympathetic nervous activity in heart failure. Zucker IH, et al. **Herz** 1991 Apr;16(2):82–91 (33 ref.)
Reflex control in heart failure: a primer for physicians. Buchter CM, et al. **Hosp Pract (Off Ed)** 1991 Jun 15; 26(6):119–24, 126 (9 ref.)
Nociceptive reflexes and the somatic dysfunction: a model. Van Buskirk RL. **J Am Osteopath Assoc** 1990 Sep; 90(9):792–4, 797–809 (74 ref.)
Reflex control of the circulation during exercise: chemoreflexes and mechanoreflexes. Rowell LB, et al.
J Appl Physiol 1990 Aug;69(2):407–18 (92 ref.)
Hormonally mediated changes in simple reflex circuits during metamorphosis in Manduca. Levine RB, et al.
J Neurobiol 1990 Oct;21(7):1022–36 (43 ref.)
Reflexes from the heart. Hainsworth R. **Physiol Rev** 1991 Jul;71(3):617–58 (391 ref.)
Cardiac nociceptive reflexes: role of kinins, prostanoids and capsaicin-sensitive afferents. Staszewska-Woolley J, et al. **Pol J Pharmacol Pharm** 1990 May–Jun;42(3):237–47 (39 ref.)
A role for cyclic GMP in the initiation of cardiac pressor reflexes by bradykinin and capsaicin. Woolley G, et al. **Pol J Pharmacol Pharm** 1990 May–Jun;42(3):249–57 (22 ref.)
Arterial baroreceptor reflex: its central and peripheral neural mechanisms. Kumada M, et al. **Prog Neurobiol** 1990; 35(5):331–61 (215 ref.)
Peripheral opioid receptors and the cough reflex. Adcock JJ. **Respir Med** 1991 Jan;85 Suppl A:43–6 (23 ref.)
Aspects of the cough reflex. Korpas J, et al. **Respir Med** 1991 Jan;85 Suppl A:3–5 (36 ref.)
[Relationship between neurons in the nucleus raphe magnus and motor reflex evoked by noxious stimulation] Zou T, et al. **Chen Tzu Yen Chiu** 1990;15(3):173–6 (19 ref.) (Eng. Abstr.) **(Chi)**
[Diffuse noxious inhibitory controls: theoretical aspects applied to the effects of regional administration of morphine] Le Bars D, et al. **Neurochirurgie** 1990; 36(6):329–35 (38 ref.) (Eng. Abstr.) **(Fre)**
[Clinical exploration of nociception with the use of reflexologic techniques] Willer JC. **Neurophysiol Clin** 1990 Nov;20(5):335–56 (28 ref.) (Eng. Abstr.) **(Fre)**
[Cough—physiologic reflex and symptom of illness] Barthel E. **Z Arztl Fortbild (Jena)** 1990;84(14):699–704 (53 ref.) **(Ger)**
[Disturbances of consciousness and airway reflexes] Nishino T. **Kokyu To Junkan** 1990 Dec;38(12):1176–84 (47 ref.) **(Jpn)**
[The role of neuropeptides in neural somatic reflexes] Traczyk WZ. **Acta Physiol Pol** 1989;40 Suppl 34:55–66 (38 ref.) **(Pol)**
[The study of the neurobiological bases of complex unconditioned reflexes at the I. P. Pavlov Physiology Department. The results of recent years] Petrov ES.
Fiziol Zh SSSR 1990 Dec;76(12):1669–81 (30 ref.) **(Rus)**
[The neurophysiological, behavioral and humoral correlates of "animal hypnosis"] Krasnoperov OV, et al.
Usp Fiziol Nauk 1991 Apr–Jun;22(2):90–102 (56 ref.) **(Rus)**
[Human brain reflexes: from stimulus to recognition and from decision to action] Ivanitskiĭ AM. **Zh Vyssh Nerv Deiat** 1990 Sep–Oct;40(5):835–41 (14 ref.) (Eng. Abstr.) **(Rus)**
[Reflex response to laryngoscopy and tracheal intubation] Villalonga Morales A, et al. **Rev Esp Anestesiol Reanim** 1990 Nov–Dec;37(6):373–7 (25 ref.) **(Spa)**

REFLEX, ABNORMAL

[Late recurrence of Miller-Fischer syndrome. Physiopathogenic reflections about a case] Burbaud P, et al. **Rev Med Interne** 1991 May–Jun;12(3):215–6, 218 (31 ref.) (Eng. Abstr.) **(Fre)**
[Spasticity: therapy of increased reflexes or movement disorder?] Dietz V. **Nervenarzt** 1990 Oct;61(10):581–6 (57 ref.) **(Ger)**
[Atypical and combined forms of infectious-allergic polyneuropathies] Kanareĭkin KF, et al.
Klin Med (Mosk) 1991 Apr;69(4):14–7 (32 ref.) **(Rus)**

PHYSIOLOGY

[Parkinsonian rigidity: clinical and physiopathologic aspects] Delwaide PJ, et al. **Rev Neurol (Paris)** 1990;146(10):548–54 (44 ref.) (Eng. Abstr.) **(Fre)**

REFLEX, ACOUSTIC

DRUG EFFECTS

Reflex modification and the detection of toxicant-induced auditory dysfunction. Crofton KM. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):461–8 (68 ref.)

PHYSIOLOGY

The descending auditory pathway and acousticomotor systems: connections with the inferior colliculus. Huffman RF, et al. **Brain Res Brain Res Rev** 1990 Sep–Dec; 15(3):295–323 (337 ref.)
Acoustic reflex measures in audiologic evaluation. Margolis RH, et al. **Otolaryngol Clin North Am** 1991 Apr; 24(2):329–47 (43 ref.)

REFLEX, BLINK see **BLINKING**

REFLEX, CONDITIONED see **CONDITIONING, CLASSICAL**

REFLEX, CORNEAL see **BLINKING**

REFLEX, MONOSYNAPTIC

Changes in alpha motoneuron excitability of the soleus muscle in relation to vestibular stimulation assessed by angular acceleration in man. Scarpini C, et al.
ORL J Otorhinolaryngol Relat Spec 1991;53(2):100–5 (35 ref.)

DRUG EFFECTS

[Pharmacology of neural mechanisms of the motor system] Fukuda H. **Yakugaku Zasshi** 1991 Mar;111(3):147–57 (32 ref.) (Eng. Abstr.) **(Jpn)**

REFLEX, OCULOCARDIAC

PHYSIOLOGY

Bradycardia and the trigeminal nerve. Barnard NA, et al. **J Craniomaxillofac Surg** 1990 Nov;18(8):359–60 (19 ref.)

REFLEX, ORBICULARIS OCULI see **BLINKING**

REFLEX, PSYCHOGALVANIC see **GALVANIC SKIN RESPONSE**

REFLEX, PUPILLARY

see related
ADIE'S SYNDROME

REFLEX, STRETCH

Specification of synaptic connections mediating the simple stretch reflex. Frank E, et al. **J Exp Biol** 1990 Oct;153:71–84 (34 ref.)

PHYSIOLOGY

Electrophysiological assessment of the spinal mechanisms underlying spasticity. Pierrot-Deseilligny E.
Electroencephalogr Clin Neurophysiol Suppl 1990;41:264–73 (51 ref.)
Spinal man after declaration of brain death [see comments] Turmel A, et al. **Neurosurgery** 1991 Feb;28(2):298–301; discussion 302 (16 ref.) Comment in: Neurosurgery 1991 Jun;28(6):933.
Conditioning of the spinal stretch reflex: implications for rehabilitation. Wolf SL, et al. **Phys Ther** 1990 Oct; 70(10):652–6 (30 ref.)
The human stretch reflex and the motor cortex. Matthews PB. **Trends Neurosci** 1991 Mar;14(3):87–91 (33 ref.)

REFLEX SYMPATHETIC DYSTROPHY

see related
SUDECK'S ATROPHY

Reflex sympathetic dystrophy. del Carmen RS.
Int Anesthesiol Clin 1991 Winter;29(1):79–91 (73 ref.)
New thoughts on reflex sympathetic dystrophy syndrome. Greipp ME, et al. **J Neurosci Nurs** 1990 Oct;22(5):313–6 (22 ref.)

DIAGNOSIS

Use of thermography for initial detection of early reflex sympathetic dystrophy. Karstetter KW, et al.
J Am Podiatr Med Assoc 1991 Apr;81(4):198–205 (38 ref.)
[Neurologic aspects of clinical manifestations, pathophysiology and therapy of reflex sympathetic dystrophy (causalgia, Sudeck's disease)] Blumberg H, et al. **Nervenarzt** 1991 Apr;62(4):205–11 (32 ref.) (Eng. Abstr.) **(Ger)**
[Algodystrophy in pregnancy] Wurnig C, et al. **Z Orthop** 1991 Mar–Apr;129(2):146–50 (24 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Reflex sympathetic dystrophy. Traumatic and postoperative presentation and management in the lower extremity. McNerney JE. **Clin Podiatr Med Surg** 1991 Apr; 8(2):287–307 (18 ref.)

PATHOLOGY

Shoulder pain and reflex sympathetic dystrophy. Uhthoff HK, et al. **Curr Opin Rheumatol** 1991 Apr;3(2):240–6 (48 ref.)

RADIOGRAPHY

[Imaging of arthritis and algodystrophy of the hip] Garcia J, et al. **J Radiol** 1990 Nov;71(11):607–16 (38 ref.) **(Fre)**

THERAPY

Burning pain in an extremity. Breaking the destructive cycle of reflex sympathetic dystrophy. Levine DZ.
Postgrad Med 1991 Aug;90(2):175–8, 183–5 (27 ref.)
Reflex sympathetic dystrophy and electroacupuncture [see comments] Hill SD, et al. **Tex Med** 1991 Jul;87(7):76–81 (54 ref.) Comment in: Tex Med 1991 Jul;87(7):82.

REFLEX, TENDON see **REFLEX, STRETCH**

REFLEX, VESTIBULO-OCULAR

PHYSIOLOGY

Vestibulo-ocular, cervico-ocular, and visuo-ocular reflexes. Baloh RW. **Bull Soc Belge Ophtalmol** 1989;237:35–66 (99 ref.)
Integration of adaptive changes of the optokinetic reflex, pursuit and the vestibulo-ocular reflex. Collewijn H.
Rev Oculomot Res 1985;1:51–69 (0 ref.)
Synaptic plasticity in the cerebellar cortex that may underlie the vestibulo-ocular adaptation. Ito M.
Rev Oculomot Res 1985;1:213–21 (0 ref.)
Adaptive modulation of VOR parameters by vision. Jones GM. **Rev Oculomot Res** 1985;1:21–50 (0 ref.)
An adaptive equalizer model of the primate vestibulo-ocular reflex. Miles FA, et al. **Rev Oculomot Res** 1985;1:313–26 (0 ref.)
Plasticity in the vestibulo-ocular and optokinetic reflexes following modification of canal input. Paige GD.
Rev Oculomot Res 1985;1:145–53 (0 ref.)
Tensorial aspects of the multidimensional approach to the vestibulo-oculomotor reflex and gaze. Pellionisz A.
Rev Oculomot Res 1985;1:281–96 (0 ref.)
Neuronal events paralleling functional recovery (compensation) following peripheral vestibular lesions. Precht W, et al. **Rev Oculomot Res** 1985;1:251–68 (0 ref.)
Velocity storage and the ocular response to multidimensional vestibular stimuli. Raphan T, et al. **Rev Oculomot Res** 1985; 1:123–43 (0 ref.)
The coordinates of neurons in the vestibulo-ocular reflex. Robinson DA. **Rev Oculomot Res** 1985;1:297–311 (0 ref.)
Vestibular habituation: an adaptive process? Schmid R, et al. **Rev Oculomot Res** 1985;1:113–22 (0 ref.)

REFRACTION, OCULAR

[Objective determination of refraction] Friedburg D.
Fortschr Ophthalmol 1990;87 Suppl:S138–41 (32 ref.) (Eng. Abstr.) **(Ger)**

REFRACTIVE DISORDERS see **REFRACTIVE ERRORS**

REFRACTIVE ERRORS

DIAGNOSIS

[Objective determination of refraction] Friedburg D.
Fortschr Ophthalmol 1990;87 Suppl:S138–41 (32 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Experimental studies of emmetropization in the chick. Troilo D. **Ciba Found Symp** 1990;155:89–102; discussion 102–14 (25 ref.)
Emmetropization in the primate eye. van Alphen GW.
Ciba Found Symp 1990;155:115–20; discussion 120–5 (14 ref.)
[Predicting visual acuity in media opacities and uncorrectable refractive errors. Assessing so-called "retinal visual acuity"] Lachenmayr B. **Fortschr Ophthalmol** 1990;87 Suppl:S118–37 (184 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Mechanical modulation of the corneal surface. Bores LD.
Int Ophthalmol Clin 1991 Winter;31(1):25–36 (13 ref.)
Refractive keratoplasty with synthetic lens implants. McCarey BE. **Int Ophthalmol Clin** 1991 Winter;31(1):87–99 (23 ref.)
Topographical principles in keratorefractive surgery. Maguire LJ. **Int Ophthalmol Clin** 1991 Winter;31(1):1–6 (15 ref.)
Radial thermokeratoplasty. Schachar RA.
Int Ophthalmol Clin 1991 Winter;31(1):47–57 (11 ref.)
Barraquer lecture. What we have learned about corneal wound healing from refractive surgery. Binder PS.
Refract Corneal Surg 1989 Mar–Apr;5(2):98–120 (173 ref.)
Corneal topography and optical zone location in photorefractive keratectomy. Maloney RK.
Refract Corneal Surg 1990 Sep–Oct;6(5):363–71 (30 ref.)
Lans lecture. Lamellar refractive surgery: where have we been and where are we going? Werblin TP.
Refract Corneal Surg 1989 May–Jun;5(3):167–76 (19 ref.)
[Epikeratoplasty] Colin J. **Bull Soc Belge Ophtalmol** 1989; 233:95–108 (47 ref.) **(Fre)**

[Epikeratophakia] Busin M, et al. **Fortschr Ophthalmol** 1990; 87 Suppl:S219–23 (10 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

[Contact lenses for correction of refractive errors. A status determination] Epstein D. **Fortschr Ophthalmol** 1990;87 Suppl:S145–8 (22 ref.) (Eng. Abstr.) **(Ger)**

REFRACTORY ANEMIA see **ANEMIA, REFRACTORY**

REFRACTORY ANEMIA WITH EXCESS OF BLASTS see **ANEMIA, REFRACTORY, WITH EXCESS OF BLASTS**

REFRIGERATION

see related
HYPOTHERMIA, INDUCED

Public health implication of refrigerated pasteurized ('sous-vide') foods. Mossel DA, et al. **Int J Food Microbiol** 1991 Jul;13(3):187–206 (160 ref.)

REFSUM'S DISEASE

DIAGNOSIS

[Understanding of ichthyosis] Traupe H. **Ann Dermatol Venereol** 1991;118(6–7):487–96 (41 ref.) **(Fre)**

REFSUM'S SYNDROME see **REFSUM'S DISEASE**

REFUGEES

Human and health rights of Palestinians in the Occupied Territories. Essay review. Willis EA. **Med War** 1991 Apr–Jun;7(2):113–9 (1 ref.)

PSYCHOLOGY

Pharmacotherapy for southeast Asian psychiatric patients. Lin KM, et al. **J Nerv Ment Dis** 1991 Jun;179(6):346–50 (30 ref.)

The cultural bereavement interview: a new clinical research approach for refugees. Eisenbruch M. **Psychiatr Clin North Am** 1990 Dec;13(4):715–35 (38 ref.)

REFUSAL OF TREATMENT see **TREATMENT REFUSAL**

REFUSAL TO TREAT

HIV and the obligation to treat. Sheldon M. **Theor Med** 1990 Sep;11(3):201–12 (17 ref.)

REFUSE DISPOSAL

Microbiological degradation of pesticides in yard waste composting. Fogarty AM, et al. **Microbiol Rev** 1991 Jun; 55(2):225–33 (43 ref.)

Poultry production's environmental impact on water quality. Pope CW. **Poult Sci** 1991 May;70(5):1123–5 (11 ref.)

[Management of waste disposal in medical institutions] Horváth A. **Orv Hetil** 1991 Apr 30;132(17):919–24 (18 ref.) (Eng. Abstr.) **(Hun)**

METHODS

Hazardous waste management. Schaefer ME. **Dent Clin North Am** 1991 Apr;35(2):383–90 (8 ref.)

Disposal of medical waste: the New York experience under the Medical Tracking Act. Farber BF. **Infect Control Hosp Epidemiol** 1991 Apr;12(4):251–7 (9 ref.)

Comparative analysis of health risk assessments for municipal waste combustors. Levin A, et al. **J Air Waste Manage Assoc** 1991 Jan;41(1):20–31 (42 ref.)

Some laboratory experimental designs for obtaining dynamic property data on dioxins. Altwicker ER. **Sci Total Environ** 1991 May 1;104(1–2):47–72 (57 ref.)

Air emissions from the incineration of hazardous waste. Oppelt ET. **Toxicol Ind Health** 1990 Oct;6(5):23–51 (85 ref.)

REGENERATION

Principles and techniques of guided tissue regeneration. Caffesse RG, et al. **Dent Clin North Am** 1991 Jul; 35(3):479–94 (53 ref.)

Cell origin and identity in limb regeneration and development. Ferretti P, et al. **GLIA** 1991;4(2):214–24 (61 ref.)

Tissue regeneration principles applied to separation of fused teeth. Kohavi D, et al. **J Clin Periodontol** 1990 Oct; 17(9):623–9 (26 ref.)

A critical review of the biologic rationale for guided tissue regeneration. Minabe M. **J Periodontol** 1991 Mar; 62(3):171–9 (74 ref.)

Guided tissue regeneration: an overview. Midda M, et al. **J R Coll Surg Edinb** 1990 Oct;35(5):275–8 (41 ref.)

From regeneration to scar formation: the collagen way [editorial] Rojkind M. **Lab Invest** 1991 Feb;64(2):131–4 (35 ref.)

[Opioid peptides—endogenous stimulators of tissue regeneration] Slepushkin VD. **Ortop Travmatol Protez** 1990 Oct;(10):73–7 (56 ref.) **(Rus)**

DRUG EFFECTS

Retinoic acid and limb regeneration. Brockes JP. **J Cell Sci Suppl** 1990;13:191–8 (34 ref.)

PHYSIOLOGY

Regeneration of skeletal muscle fibers after necrosis. Carpenter S. **Adv Exp Med Biol** 1990;280:13–5 (10 ref.)

Regeneration in the primate uterus: the role of stem cells. Padykula HA. **Ann N Y Acad Sci** 1991;622:47–56 (24 ref.)

Regeneration of the spleen and splenic autotransplantation. Holdsworth RJ. **Br J Surg** 1991 Mar;78(3):270–8 (88 ref.)

Hair cell regeneration in the avian cochlea: if it works in birds, why not in man? Girod DA, et al. **Ear Nose Throat J** 1991 Jun;70(6):343–50, 353–4 (25 ref.)

Adhesion molecules (N-CAM and tenascin) in embryonic development and tissue regeneration. Chuong CM. **J Craniofac Genet Dev Biol** 1990;10(2):147–61 (92 ref.)

Towards understanding skeletal muscle regeneration. Grounds MD. **Pathol Res Pract** 1991 Jan;187(1):1–22 (222 ref.)

Some current problems in amphibian limb regeneration. Brockes JP. **Philos Trans R Soc Lond [Biol]** 1991 Mar 29; 331(1261):287–90 (26 ref.)

Spatial distribution of taurine in the teleost retina and its role in retinal tissue regeneration. Lima L, et al. **Prog Clin Biol Res** 1990;351:103–12 (34 ref.)

[The present position of the theory of regeneration] Sarkisov DS. **Zentralbl Pathol** 1991;137(1):14–9 (10 ref.) (Eng. Abstr.) **(Ger)**

[The role of the myoblasts and connective tissue in the regeneration of the limbs in amphibians] Hinterberger TJ, et al. **Ontogenez** 1990 Jul–Aug;21(4):341–57 (88 ref.) (Eng. Abstr.) **(Rus)**

REGIONAL BLOOD FLOW

Dual control of local blood flow by purines. Burnstock G. **Ann N Y Acad Sci** 1990;603:31–44; discussion 44–5 (140 ref.)

A critical review of laser Doppler flowmetry. Obeid AN, et al. **J Med Eng Technol** 1990 Sep–Oct;14(5):178–81 (15 ref.)

DRUG EFFECTS

The use of blood flow modifiers to improve the treatment response of solid tumors. Horsman MR, et al. **Radiother Oncol** 1991;20 Suppl 1:47–52 (33 ref.)

PHYSIOLOGY

Poiseuille Medal lecture. Capillary flow: past, present, and future. Skalak R. **Biorheology** 1990;27(3–4):277–93 (41 ref.)

REGIONAL HEALTH PLANNING

ORGANIZATION & ADMINISTRATION

Health education in England: a five-year strategy for the Health Education Authority. Hagard S, et al. **Health Educ Q** 1991 Spring;18(1):49–63 (25 ref.)

REGIONAL MEDICAL PROGRAMS

A review of 13-years experience of osteosarcoma. Carter SR, et al. **Clin Orthop** 1991 Sep;(270):45–51 (11 ref.)

ECONOMICS

Trauma systems and public policy. Mendeloff JM, et al. **Annu Rev Public Health** 1991;12:401–24 (50 ref.)

TRENDS

Regionalization of psychiatric services for the elderly. Shulman KI. **Can J Psychiatry** 1991 Feb;36(1):3–8 (41 ref.)

REGIONAL PERFUSION see **PERFUSION, REGIONAL**

REGISTRIES

Population-based twin registries: illustrative applications in genetic epidemiology and behavioral genetics from the Finnish Twin Cohort Study. Kaprio J, et al. **Acta Genet Med Gemellol (Roma)** 1990;39(4):427–39 (33 ref.)

Establishing diagnostic criteria for a registry for dementing diseases. Morris JC. **Aging (Milano)** 1990 Jun;2(2):207–15 (54 ref.)

Review of a high risk register for congenital or early-onset deafness. Gerber SE. **Br J Audiol** 1990 Oct;24(5):347–56 (79 ref.)

Cancer registration: principles and methods. Reporting of results. Jensen OM, et al. **IARC Sci Publ** 1991;(95):108–25 (0 ref.)

Planning a cancer registry. Jensen OM, et al. **IARC Sci Publ** 1991;(95):22–8 (0 ref.)

Purposes and uses of cancer registration. Jensen OM, et al. **IARC Sci Publ** 1991;(95):7–21 (0 ref.)

Cancer registration: principles and methods. Items of patient information which may be collected by registries. MacLennan R. **IARC Sci Publ** 1991;(95):43–63 (0 ref.)

Cancer registration: legal aspects and confidentiality. Muir CS, et al. **IARC Sci Publ** 1991;(95):199–207 (0 ref.)

Cancer registration: principles and methods. Classification and coding of neoplasms. Muir CS, et al. **IARC Sci Publ** 1991;(95):64–81 (0 ref.)

Contribution of post-mortem examination to cancer registries. O'Conor GT. **IARC Sci Publ** 1991;(112):197–206 (22 ref.)

Cancer registration in developing countries. Parkin DM, et al. **IARC Sci Publ** 1991;(95):185–98 (0 ref.)

Cancer registration: principles and methods. Data sources and reporting. Powell J. **IARC Sci Publ** 1991;(95):29–42 (0 ref.)

Cancer registration: principles and methods. Quality and quality control. Skeet RG. **IARC Sci Publ** 1991;(95):101–7 (0 ref.)

Manual and computerized cancer registries. Skeet RG. **IARC Sci Publ** 1991;(95):82–100 (0 ref.)

The hospital-based cancer registry. Young JL. **IARC Sci Publ** 1991;(95):177–84 (0 ref.)

Revised clinical and laboratory criteria for subtypes of inherited epidermolysis bullosa. A consensus report by the Subcommittee on Diagnosis and Classification of the National Epidermolysis Bullosa Registry. Fine JD, et al. **J Am Acad Dermatol** 1991 Jan;24(1):119–35 (65 ref.)

A high risk registry to find congenital deafness. Bergstrom L, et al. **Otolaryngol Clin North Am** 1971 Jun;4(2):369–99 (34 ref.)

Identification of occupational cancer risks using a population-based cancer registry. Band PR, et al. **Recent Results Cancer Res** 1990;120:106–21 (34 ref.)

STANDARDS

Update on trauma care in Canada. 6. Update on trauma registries and trauma scoring. Vestrup JA. **Can J Surg** 1990 Dec;33(6):461–3 (12 ref.)

STATISTICS & NUMERICAL DATA

Cancer registration: principles and methods. Statistical methods for registries. Boyle P, et al. **IARC Sci Publ** 1991; (95):126–58 (0 ref.)

Cancer registration: principles and methods. Analysis of survival. Parkin DM, et al. **IARC Sci Publ** 1991;(95):159–76 (0 ref.)

REGRESSION ANALYSIS

Using linear and non-linear regression to fit biochemical data. Leatherbarrow RJ. **Trends Biochem Sci** 1990 Dec; 15(12):455–8 (16 ref.)

REGRESSION DIAGNOSTICS see **REGRESSION ANALYSIS**

REGULATION OF GENE EXPRESSION see **GENE EXPRESSION REGULATION**

REGULATION OF GENE EXPRESSION, BACTERIAL see **GENE EXPRESSION REGULATION, BACTERIAL**

REGULATION OF GENE EXPRESSION, ENZYMOLOGIC see **GENE EXPRESSION REGULATION, ENZYMOLOGIC**

REGULATION OF GENE EXPRESSION, FUNGAL see **GENE EXPRESSION REGULATION, FUNGAL**

REGULATION OF GENE EXPRESSION, NEOPLASTIC see **GENE EXPRESSION REGULATION, NEOPLASTIC**

REGULATION OF GENE EXPRESSION, VIRAL see **GENE EXPRESSION REGULATION, VIRAL**

REGULATORY REGIONS, NUCLEIC ACID (GENETICS) see **REGULATORY SEQUENCES, NUCLEIC ACID**

REGULATORY SEQUENCES, NUCLEIC ACID

Promoter function and in situ protein/DNA interactions upstream of the yeast HSP90 heat shock genes. Gross DS, et al. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):175–86 (47 ref.)

A novel mechanism for eukaryotic gene expression. The involvement of DNA tertiary structure in estrogen receptor recognition of its target nucleotide sequence. Lannigan DA, et al. **Biochem Pharmacol** 1990 Dec 15;40(12):2579–85 (41 ref.)

Transvection and long-distance gene regulation. Pirrotta V. **Bioessays** 1990 Sep;12(9):409–14 (44 ref.)

Transcriptional control--lessons from an E. coli promoter data base. Gralla JD. **Cell** 1991 Aug 9;66(3):415–8 (18 ref.)

Heat shock factor and the heat shock response. Sorger PK. **Cell** 1991 May 3;65(3):363–6 (29 ref.)

The control of interferon-inducible gene expression. Kerr IM, et al. **FEBS Lett** 1991 Jul 22;285(2):194–8 (43 ref.)

Grammatical analysis of DNA sequences provides a rationale for the regulatory control of an entire chromosome. Ohno S. **Genet Res** 1990 Oct–Dec;56(2–3):115–20 (7 ref.)

GENETICS

Position effects on eukaryotic gene expression. Wilson C, et al. **Annu Rev Cell Biol** 1990;6:679–714 (170 ref.)

[Current methods of DNA sequencing] Wrzesiński J, et al. **Postepy Biochem** 1990;36(1-2):21-31 (147 ref.) **(Pol)**

PHYSIOLOGY

Coordination of gene expression in the formation of mammalian mitochondria. Nagley P. **Trends Genet** 1991 Jan;7(1):1-4 (20 ref.)

REGURGITATION, AORTIC VALVE see **AORTIC VALVE INSUFFICIENCY**

REGURGITATION, GASTRIC see **GASTROESOPHAGEAL REFLUX**

REHABILITATION

see related
DISABILITY EVALUATION

Program evaluation guidelines for the rehabilitation professional. Glueckauf RL. **Adv Clin Rehabil** 1990; 3:250-66 (38 ref.)

INSTRUMENTATION

Rehabilitation engineering in pediatrics. Milner M, et al. **Pediatrician** 1990;17(4):287-96 (10 ref.)

MANPOWER

The comprehensive treatment team in rehabilitation. Keith RA. **Arch Phys Med Rehabil** 1991 Apr;72(5):269-74 (30 ref.)

METHODS

Pediatric physical therapy in a rehabilitation setting. Eigsti H, et al. **Pediatrician** 1990;17(4):267-77 (16 ref.)

Occupational therapy in pediatric rehabilitation. Royeen CB, et al. **Pediatrician** 1990;17(4):278-82 (14 ref.)

Conditioning of the spinal stretch reflex: implications for rehabilitation. Wolf SL, et al. **Phys Ther** 1990 Oct; 70(10):652-6 (30 ref.)

ORGANIZATION & ADMINISTRATION

Community-based tertiary prevention with the adolescent parent and child [see comments] Jones LC. **Birth Defects** 1991;27(1):235-49 (42 ref.) Comment in: Birth Defects 1991;27(1):250-64.

Tertiary prevention with adolescent mothers: rehabilitation after the first pregnancy [see comments] O'Sullivan AL. **Birth Defects** 1991;27(1):57-71 (21 ref.) Comment in: Birth Defects 1991;27(1):72-82.

Family-focused tertiary prevention with the adolescent mother and her child [see comments] Rich OJ. **Birth Defects** 1991;27(1):137-54 (33 ref.) Comment in: Birth Defects 1991;27(1):155-68.

STANDARDS

A critique of community-based tertiary prevention with the adolescent parent and child [comment] Flick LH. **Birth Defects** 1991;27(1):250-64 (43 ref.) Comment on: Birth Defects 1991;27(1):235-49.

A critique of family-focused tertiary prevention with the adolescent mother and her child [comment] Smith L. **Birth Defects** 1991;27(1):155-68 (73 ref.) Comment on: Birth Defects 1991;27(1):137-54.

Providing cost efficient detoxification services to alcoholic patients. Beshai NN. **Public Health Rep** 1990 Sep-Oct; 105(5):475-81 (48 ref.)

TRENDS

Community dialogues on ethical issues of health care for the disabled. Slater RJ. **J Am Paraplegia Soc** 1990 Jul; 13(3):48-52 (14 ref.)

[The medical rehabilitation of children at the current stage] Borovik EB, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1991 Jan-Feb; (1):67-70 (35 ref.) **(Rus)**

REHABILITATION CENTERS

Physical activity from rehabilitation to independent community function: the role of physical activity in handicapping conditions. Stein JU. **Clin Sports Med** 1991 Jan;10(1):211-21 (28 ref.)

REHABILITATION, VOCATIONAL

see related
EMPLOYMENT
SHELTERED WORKSHOPS

PSYCHOLOGY

Pre- and postoperative rehabilitation related to epilepsy surgery. Silfvenius H. **Acta Neurochir Suppl (Wien)** 1990; 50:100-6 (64 ref.)

REHYDRATION see **FLUID THERAPY**

REHYDRATION, ORAL see **FLUID THERAPY**

REHYDRATION SOLUTIONS

ADMINISTRATION & DOSAGE

Cereal-based oral rehydration therapy. I. Clinical studies. Khin-Maung-U, et al. **J Pediatr** 1991 Apr;118(4 (Pt 2)):S72-9 (37 ref.)

Glucose polymers as an alternative to glucose in oral rehydration solutions. Lebenthal E, et al. **J Pediatr** 1991 Apr;118(4 (Pt 2)):S62-9 (51 ref.)

[Hypodermoclysis: a forgotten technique...] Dutertre JP, et al. **Rev Med Interne** 1991 Mar-Apr;12(2):153-5 (20 ref.) (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Super ORS. Bhattacharya SK, et al. **Indian J Public Health** 1990 Jan-Mar;34(1):35-7 (18 ref.)

REICHEL'S SYNDROME see **CHONDROMATOSIS, SYNOVIAL**

REIMBURSEMENT, HEALTH INSURANCE see **INSURANCE, HEALTH, REIMBURSEMENT**

REIMBURSEMENT, INCENTIVE

Rewarding medicine: good doctors and good behavior [comment] Arnold RM, et al. **Ann Intern Med** 1990 Nov 15;113(10):794-8 (64 ref.) Comment on: Ann Intern Med 1990 Nov 15;113(10):790-3.

Economic incentives for ethical and courteous behavior in medicine. A proposal [see comments] Erde EL. **Ann Intern Med** 1990 Nov 15;113(10):790-3 (24 ref.) Comment in: Ann Intern Med 1990 Nov 15;113(10):794-8.

REIMBURSEMENT, PROSPECTIVE see **PROSPECTIVE PAYMENT SYSTEM**

REIMPLANTATION see **REPLANTATION**

REINFORCEMENT SCHEDULE

Span of integration for delayed-reward contingency learning in 6- to 8-month-old infants. Millar WS. **Ann N Y Acad Sci** 1990;608:239-59; discussion 259-66 (73 ref.)

REINFORCEMENT, SOCIAL

Movies and juvenile delinquency: an overview. Snyder S. **Adolescence** 1991 Spring;26(101):121-32 (49 ref.)

REINFORCING FACTORS see **CAUSALITY**

REITER'S DISEASE

Reiter syndrome. Rothe MJ, et al. **Int J Dermatol** 1991 Mar; 30(3):173-80 (86 ref.)

COMPLICATIONS

Reiter's syndrome and human immunodeficiency virus infection: case report and review of the literature. Fuente C, et al. **Cutis** 1991 Mar;47(3):181-5 (7 ref.)

Reiter's syndrome and HIV infection. Mills OF, et al. **J Fam Pract** 1991 Sep;33(3):294-6 (26 ref.)

Relapsing polychondritis and Reiter's syndrome. Silva J, et al. **J Rheumatol** 1991 Jun;18(6):908-10 (15 ref.)

Reiter's syndrome and associated arthritides. Keat A, et al. **Rheum Dis Clin North Am** 1991 Feb;17(1):25-42 (40 ref.)

DIAGNOSIS

[Reiter-Leroy-Fiessinger syndrome. A report on 2 cases] Cigala O, et al. **Clin Ter** 1990 Oct 15;135(1):37-45 (18 ref.) **(Ita)**

[Reiter's disease in children and adolescents] Kudriavtseva TV, et al. **Pediatrila** 1991;(1):98-101 (40 ref.) **(Rus)**

ETIOLOGY

[The current problems in the etiology and pathogenesis of Reiter's disease (syndrome)] Ivashkin VT, et al. **Ter Arkh** 1991;63(5):132-6 (86 ref.) **(Rus)**

[Epidemic parotitis and Reiter's syndrome] Vallina Alvarez E, et al. **An Med Interna** 1989 Oct;6(10):537-9 (18 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Clinical and radiographic features of Reiter's syndrome and inflammatory bowel disease related to arthritis. Mielants H, et al. **Curr Opin Rheumatol** 1990 Aug;2(4):570-6 (28 ref.)

REL GENES see **ONCOGENES**

RELAPSING FEVER

Spirochetal infection of the central nervous system. Coyle PK, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):731-46 (55 ref.)

MICROBIOLOGY

Antigenic variation of a relapsing fever Borrelia species. Barbour AG. **Annu Rev Microbiol** 1990;44:155-71 (39 ref.)

RELATIVE RISK see **RISK**

RELAXATION TECHNIQUES

Suggestion, relaxation, and hypnosis as adjuncts in the care of surgery patients: a review of the literature. Blankfield RP. **Am J Clin Hypn** 1991 Jan;33(3):172-86 (48 ref.)

Relaxation training: a nursing intervention for substance abusers. Dodge VH. **Arch Psychiatr Nurs** 1991 Apr; 5(2):99-104 (26 ref.)

Effectiveness of the Transcendental Meditation program in preventing and treating substance misuse: a review. Gelderloos P, et al. **Int J Addict** 1991 Mar;26(3):293-325 (100 ref.)

Altered states of consciousness therapy. A missing component in alcohol and drug rehabilitation treatment. McPeake JD, et al. **J Subst Abuse Treat** 1991;8(1-2):75-82 (21 ref.)

Applications of relaxation and mental imagery (self-hypnosis) for habit problems. Kohen DP. **Pediatr Ann** 1991 Mar; 20(3):136-8, 141-4 (13 ref.)

[Psychotherapy and relaxation techniques] Bogetto F, et al. **Minerva Psichiatr** 1990 Jul-Sep;31(3):155-9 (21 ref.) (Eng. Abstr.) **(Ita)**

RELAXATION THERAPY see **RELAXATION TECHNIQUES**

RELAXIN

PHYSIOLOGY

The role of the hormone relaxin in human reproduction and pelvic girdle relaxation. MacLennan AH. **Scand J Rheumatol Suppl** 1991;88:7-15 (16 ref.)

Production and biologic action of relaxin within the ovarian follicle: an overview. Bagnell CA. **Steroids** 1991 May; 56(5):242-6 (28 ref.)

RELIABILITY AND VALIDITY see **REPRODUCIBILITY OF RESULTS**

RELIGION AND MEDICINE

Indirectly intended life-shortening analgesia: clarifying the principles. Barry FR, et al. **Issues Law Med** 1990 Fall; 6(2):117-51 (133 ref.)

Is a decision to forgo tube feeding for another a decision to kill? Smith WB. **Issues Law Med** 1991 Spring;6(4):385-94 (45 ref.)

[Blood transfusion and Jehovah's witnesses. Ethical and medicolegal aspects] Knudsen F, et al. **Ugeskr Laeger** 1991 Feb 25;153(9):632-6 (30 ref.) (Eng. Abstr.) **(Dan)**

[Integral treatment of the hospitalized patient: the right to spiritual care] Monge MA. **Rev Med Univ Navarra** 1989 Oct-Dec;33(4):233-8 (31 ref.) **(Spa)**

[Neurology and theology—on the genesis of metaphysical anemia] Wikström O. **Lakartidningen** 1991 Aug 21; 88(34):2680-1 (15 ref.) **(Swe)**

RELIGION AND PSYCHOLOGY

Values and religious issues in psychotherapy and mental health. Bergin AE. **Am Psychol** 1991 Apr;46(4):394-403 (70 ref.)

Understanding the culture and behaviour of East Asians—a Confucian perspective [see comments] Cheng SK. **Aust N Z J Psychiatry** 1990 Dec;24(4):510-5 (37 ref.) Comment in: Aust N Z J Psychiatry 1991 Mar;25(1):14-6.

Research on religion and mental health in later life: a review and commentary. Koenig HG. **J Geriatr Psychiatry** 1990; 23(1):23-53 (66 ref.)

The Tao, psychoanalysis and existential thought. Rhee D. **Psychother Psychosom** 1990;53(1-4):21-7 (25 ref.)

REMISSION, SPONTANEOUS NEOPLASM see **NEOPLASM REGRESSION, SPONTANEOUS**

RENAL ARTERY

Acute thrombosis of the renal transplant artery: a case report and review of the literature. Groggel GC. **Clin Nephrol** 1991 Jul;36(1):42-5 (15 ref.)

Renal angioplasty. Markowitz DM, et al. **Curr Opin Radiol** 1990 Dec;2(6):803-8 (17 ref.)

Multiple congenital aneurysms of unknown origin. De Letter JA, et al. **Eur J Vasc Surg** 1991 Jun;5(3):349-54 (15 ref.)

Left external iliac artery dissection and bilateral renal artery aneurysms secondary to fibromuscular dysplasia: a case report. Patel KS, et al. **Neth J Surg** 1990 Aug;42(4):118-20 (24 ref.)

[Arteriovenous fistula of the renal pedicle following nephrectomy responsible for heart failure. Report of 2 cases] Marcaggi X, et al. **Arch Mal Coeur** 1990 Oct; 83(11):1721-4 (10 ref.) (Eng. Abstr.) **(Fre)**

[Renal arteriovenous fistula, up-date and presentation of a new case] Domínguez Bravo C, et al. **Actas Urol Esp** 1991 Jan-Feb;15(1):46-54 (15 ref.) (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Left infrarenal region: anatomic variants, pathologic conditions, and diagnostic pitfalls. Gay SB, et al. **Radiographics** 1991 Jul;11(4):549–70 (30 ref.)

[Transcatheter embolization of huge renal arteriovenous aneurysm: a case report--review of 270 cases of renal arteriovenous fistula reported in Japan] Mishina M, et al. **Hinyokika Kiyo** 1991 Mar;37(3):273–7 (13 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Morphometric analysis of large artery structure in arterial hypertension and aging: reversal of lesions after treatment. Salzmann JL, et al. **Adv Nephrol Necker Hosp** 1991; 20:57–72 (45 ref.)

SURGERY

[Extracorporeal renovascular surgery] Haddad M, et al. **Harefuah** 1990 Jul;119(1–2):28–31 (62 ref.) **(Heb)**

ULTRASONOGRAPHY

Ultrasonography for renal vascular diseases [published erratum appears in Curr Opin Radiol 1991 Feb;3(1):114] Hélénon O, et al. **Curr Opin Radiol** 1990 Dec;2(6):785–92 (16 ref.)

ULTRASTRUCTURE

[Pathomechanism of the development of chronic obliterative transplantation arteriopathy in human kidney allografts] Nádasdy T, et al. **Morphol Igazsagugyi Orv Sz** 1990 Jul; 30(3):208–19 (42 ref.) (Eng. Abstr.) **(Hun)**

RENAL ARTERY OBSTRUCTION

DIAGNOSIS

[Modern possibilities in the assessment of renovascular stenoses] Jäger K. **Internist (Berl)** 1991 Mar;32(3):127–34 (68 ref.) **(Ger)**

EPIDEMIOLOGY

Renal artery stenosis during pregnancy: a review. Heyborne KD, et al. **Obstet Gynecol Surv** 1991 Aug;46(8):509–14 (29 ref.)

ETIOLOGY

[Cholesterol embolism of the kidney] Meyrier A, et al. **Dtsch Med Wochenschr** 1990 Dec 14;115(50):1917–20 (16 ref.) **(Ger)**

[Atherosclerotic nephropathy. Clinical manifestations of chronic arterial circulatory insufficiency of the kidneys] Krapf R. **Schweiz Med Wochenschr** 1990 Sep 29; 120(39):1415–20 (25 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Management of renovascular disease. A surgical perspective. Novick AC. **Circulation** 1991 Feb;83(2 Suppl):I167–71 (46 ref.)

THERAPY

[Percutaneous recanalization of renal arterial occlusion. Apropos of a case] Boyer L, et al. **J Radiol** 1991 Mar; 72(3):165–70 (15 ref.) (Eng. Abstr.) **(Fre)**

[Value and limits of renal artery examination in the aged] Plouin PF, et al. **Nephrologie** 1990;11(5):297–9 (8 ref.) (Eng. Abstr.) **(Fre)**

RENAL ARTERY STENOSIS see **RENAL ARTERY OBSTRUCTION**

RENAL CALCULI see **KIDNEY CALCULI**

RENAL CIRCULATION

Renal perfusion and metabolism in experimental endotoxin shock. Gullichsen E. **Acta Chir Scand Suppl** 1991;560:7–31 (207 ref.)

Quantification of renal haemodynamics with radionuclides. Peters AM. **Eur J Nucl Med** 1991;18(4):274–86 (102 ref.)

Role of kallikrein-kinin system in regulation of renal and circulatory function. Physiology and pathophysiology (1). Kher V. **J Assoc Physicians India** 1990 Sep;38(9):645–7 (29 ref.)

Influence of intrarenally generated angiotensin II on renal hemodynamics and tubular reabsorption. Mitchell KD, et al. **Renal Physiol Biochem** 1991 Jul–Oct;14(4–5):155–63 (38 ref.)

Renal hemodynamic effects of calcium antagonists: implications for renal transplantation. Epstein M, et al. **Transplant Proc** 1991 Apr;23(2):1775–7 (15 ref.)

DRUG EFFECTS

Atrial natriuretic factor: a protective role after acute renal ischaemia? A room for it in kidney transplantation? Gianello P. **Acta Chir Belg** 1990 Jul–Aug;90(4):143–50 (71 ref.)

Renal hemodynamic and tubular effects of angiotensins II and III. Huang WC. **Chin J Physiol** 1991;34(1):121–38 (50 ref.)

Angiotensin, ACE inhibition, and the renal circulation: pathogenesis of nonmodulation in essential hypertension. Hollenberg NK, et al. **Contrib Nephrol** 1990;79:1–10 (44 ref.)

Interactive effects of angiotensin II on renal hemodynamics and tubular reabsorptive function. Mitchell KD, et al. **Kidney Int Suppl** 1990 Nov;30:S69–73 (33 ref.)

Renal consequences of antihypertensive therapy. Eknoyan G, et al. **Semin Nephrol** 1991 Mar;11(2):129–37 (124 ref.)

PHYSIOLOGY

Regulation of the renal circulation. Stein JH. **Kidney Int** 1990 Oct;38(4):571–6 (107 ref.)

Determinants of renal microvascular autoregulatory behavior in normal and hypertensive rats. Carmines PK, et al. **Kidney Int Suppl** 1991 Jun;32:S89–93 (34 ref.)

Renal functional reserve. Amiel C, et al. **Nephrol Dial Transplant** 1990;5(9):763–70 (95 ref.)

Neural control of renal hemodynamics and function during development. Robillard JE, et al. **Pediatr Nephrol** 1990 Jul; 4(4):436–41 (32 ref.)

Regulation of proximal reabsorption by effective arterial blood volume. Seldin DW, et al. **Semin Nephrol** 1991 Mar; 11(2):212–9 (71 ref.)

Doppler examination of the kidney in infants and children. Patriquin H. **Urol Radiol** 1991;12(4):220–7 (25 ref.)

[Role of prostaglandins in regulation of kidney function in heart failure] Riegger AJ. **Herz** 1991 Apr;16(2):116–23 (26 ref.) (Eng. Abstr.) **(Ger)**

[Pathophysiology of cardiorenal regulatory mechanisms in heart failure] Holtz J, et al. **Z Kardiol** 1991;80 Suppl 2:1–10 (117 ref.) (Eng. Abstr.) **(Ger)**

RENAL FAILURE, ACUTE see **KIDNEY FAILURE, ACUTE**

RENAL FAILURE, CHRONIC see **KIDNEY FAILURE, CHRONIC**

RENAL OSTEODYSTROPHY

Renal osteodystrophy: past and future. Slatopolsky E, et al. **Contrib Nephrol** 1990;78:38–45; discussion 45–6 (23 ref.)

DRUG THERAPY

Use of oral and parenteral calcitriol in the treatment of renal osteodystrophy. Coburn JW. **Kidney Int Suppl** 1990 Sep; 29:S54–61 (54 ref.)

Effects of 1,25(OH)2D3 administration on bone in patients with renal failure. Malluche HH, et al. **Kidney Int Suppl** 1990 Sep;29:S48–53 (40 ref.)

[Role of calcium carbonate in the treatment of renal osteodystrophy] Morinière P, et al. **Nephrologie** 1991; 12(1):31–41 (74 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Primary hyperparathyroidism and renal osteodystrophy. Heath DA. **Curr Opin Rheumatol** 1991 Jun;3(3):490–5 (32 ref.)

[Renal osteodystrophy in children. Pathogenic role and modalities of control of phosphate retention] Boudailliez B, et al. **Arch Fr Pediatr** 1991 Apr;48(4):279–86 (84 ref.) **(Fre)**

METABOLISM

[Renal osteodystrophy] Pols HA, et al. **Ned Tijdschr Geneeskd** 1991 Jul 6;135(27):1213–7 (29 ref.) **(Dut)**

PATHOLOGY

Clinical disorders of vitamin D, renal osteodystrophy, and hypophosphatasia. Bontoux D, et al. **Curr Opin Rheumatol** 1990 Feb;2(1):12–9 (25 ref.)

PHYSIOPATHOLOGY

[Renal osteopathy] Zazgornik J. **Wien Med Wochenschr** 1990 Oct 15;140(18–19):490–2 (18 ref.) (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

The radiographic spectrum of renal osteodystrophy. Molpus WM, et al. **Am Fam Physician** 1991 Jan;43(1):151–8 (18 ref.)

[Radiologic skeletal diagnosis in dialysis patients] Rieden K, et al. **Med Klin** 1990 Aug 15;85(8):488–92, 509 (30 ref.) **(Ger)**

SURGERY

Parathyroidectomy in chronic renal failure: indications, surgical approach and the use of calcitriol. Llach F. **Kidney Int Suppl** 1990 Sep;29:S62–8 (39 ref.)

THERAPY

Recent advances and controversies in childhood renal osteodystrophy. Mehls O, et al. **Pediatr Nephrol** 1987 Apr; 1(2):212–23 (129 ref.)

RENAL PAPILLITIS, NECROTIZING see **KIDNEY PAPILLARY NECROSIS**

RENAL TRANSPLANTATION see **KIDNEY TRANSPLANTATION**

RENAL TUBULAR TRANSPORT, INBORN ERRORS

METABOLISM

Biochemical pathways and modulators of renal ammoniagenesis. Tannen RL, et al. **Miner Electrolyte Metab** 1990;16(5):249–58 (63 ref.)

RENAL VEINS

Renal vein leiomyosarcoma. Pelton JJ, et al. **J Surg Oncol** 1990 Oct;45(2):131–3 (15 ref.)

Spontaneous aorto–left renal vein fistula: the "abdominal pain, hematuria, silent left kidney" syndrome. Mansour MA, et al. **Surgery** 1991 Jan;109(1):101–6 (50 ref.)

Leiomyosarcoma of renal vein. Grignon DJ, et al. **Urology** 1991 Sep;38(3):255–8 (17 ref.)

[Arteriovenous fistula of the renal pedicle following nephrectomy responsible for heart failure. Report of 2 cases] Marcaggi X, et al. **Arch Mal Coeur** 1990 Oct; 83(11):1721–4 (10 ref.) (Eng. Abstr.) **(Fre)**

[Renal arteriovenous fistula, up-date and presentation of a new case] Dominguez Bravo C, et al. **Actas Urol Esp** 1991 Jan–Feb;15(1):46–54 (15 ref.) (Eng. Abstr.) **(Spa)**

[Idiopathic thrombosis of renal vein in adults: presentation of a case and review of clinico-diagnostic and therapeutic aspects] López-Costea MA, et al. **Actas Urol Esp** 1991 Jan–Feb;15(1):99–102 (16 ref.) (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Left infrarenal region: anatomic variants, pathologic conditions, and diagnostic pitfalls. Gay SB, et al. **Radiographics** 1991 Jul;11(4):549–70 (30 ref.)

[Transcatheter embolization of huge renal arteriovenous aneurysm: a case report--review of 270 cases of renal arteriovenous fistula reported in Japan] Mishina M, et al. **Hinyokika Kiyo** 1991 Mar;37(3):273–7 (13 ref.) (Eng. Abstr.) **(Jpn)**

RENIN

ANALYSIS

Molecular and cellular aspects of renin during kidney ontogeny. Gomez RA, et al. **Pediatr Nephrol** 1991 Jan; 5(1):80–7 (60 ref.)

ANTAGONISTS & INHIBITORS

Comparative modeling of proteins in the design of novel renin inhibitors. Hutchins C, et al. **Crit Rev Biochem Mol Biol** 1991;26(1):77–127 (115 ref.)

Clinical pharmacology of enalkiren, a novel, dipeptide renin inhibitor. Glassman HN, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 4:S76–81 (15 ref.)

Renin inhibitors: a search for principles of design. Haber E, et al. **J Cardiovasc Pharmacol** 1987;10 Suppl 7:S54–8 (49 ref.)

BIOSYNTHESIS

Molecular studies of human renin synthesis and gene expression. Dzau VJ, et al. **Cardiovasc Drugs Ther** 1988 Nov;2(4):459–62 (38 ref.)

BLOOD

Nonparallel effects of renin inhibitor treatment on plasma renin activity and angiotensins I and II in hypertensive subjects. An assay-related artifact. Derkx FH, et al. **Am J Hypertens** 1991 Jul;4(7 Pt 1):602–9 (26 ref.)

Hyperreninemic hypoaldosteronism due to hepatocellular carcinoma metastatic to the adrenal gland. Otabe S, et al. **Clin Nephrol** 1991 Feb;35(2):66–71 (43 ref.)

Salt appetite, body sodium, handling of a NaCl load, renin, and aldosterone in genetically and spontaneously hypertensive rats. Ledingham JM, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S6–8 (10 ref.)

Low-renin hypertension of childhood. DiMartino-Nardi J, et al. **Pediatr Nephrol** 1987 Jan;1(1):99–108 (77 ref.)

[Familial hyperkalemia syndrome (Gordon's syndrome)] Baz M, et al. **Presse Med** 1990 Dec 15;19(43):1981–4 (10 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Molecular biology of the renal renin-angiotensin system. Gomez RA, et al. **Kidney Int Suppl** 1990 Nov;30:S18–23 (32 ref.)

Molecular genetics links renin to hypertension. Morris BJ. **Mol Cell Endocrinol** 1991 Feb;75(2):C13–8 (41 ref.)

[Expression of the renin and angiotensinogen genes] Iwao H, et al. **Nippon Yakurigaku Zasshi** 1991 Jan;97(1):1–11 (72 ref.) (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Purification of renin and prorenin. Inagami T. **Hypertension** 1991 Sep;18(3):241–51 (154 ref.)

METABOLISM

Role of blood pressure in the control of renin release. Kirchheim H, et al. **Acta Physiol Scand Suppl** 1990;591:40–7 (20 ref.)
Adenosine: a physiological brake on renin release. Jackson EK. **Annu Rev Pharmacol Toxicol** 1991;31:1–35 (171 ref.)
Defects in cortisol metabolism causing low-renin hypertension. White PC. **Endocr Res** 1991;17(1–2):85–107 (29 ref.)
Human prorenin. Hsueh WA, et al. **Hypertension** 1991 Apr; 17(4):469–77 (123 ref.)
Arteriolar renin and vascular effects of angiotensin II in juxtamedullary nephrons. Casellas D, et al. **Kidney Int Suppl** 1990 Nov;30:S60–4 (21 ref.)
On the intrarenal regulation of renin release from the juxtaglomerular apparatus. Skøtt O, et al. **Kidney Int Suppl** 1990 Nov;30:S38–42 (21 ref.)

PHARMACOLOGY

Disturbances in volume regulating hormone system—a key to the pathogenesis of hypertension in obstructive sleep apnea syndrome? Ehlenz K, et al. **Pneumologie** 1991 May; 45 Suppl 1:239–45 (37 ref.)

PHYSIOLOGY

Role of vascular wall renin: intracellular and extracellular mechanism. Inagami T, et al. **Blood Vessels** 1991; 28(1–3):217–23 (26 ref.)
Renin in the female reproductive system. Hsueh WA. **Cardiovasc Drugs Ther** 1988 Nov;2(4):473–7 (45 ref.)

SECRETION

Molecular mechanisms of renin release. Kurtz A, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 4:S1–7 (88 ref.)
Various approaches to blockade of the renin–angiotensin system: persistent renin response. Brunner HR, et al. **J Hypertens Suppl** 1990 Dec;8(7):S149–53 (30 ref.)
Morphology, physiology, and molecular biology of renin secretion. Hackenthal E, et al. **Physiol Rev** 1990 Oct; 70(4):1067–116 (779 ref.)
Macula densa control of renin secretion. Briggs JP, et al. **Renal Physiol Biochem** 1991 Jul–Oct;14(4–5):164–74 (32 ref.)
[Renin secreting tumor and severe hypertension. Apropos of a new case] Ducret F, et al. **Nephrologie** 1991;12(1):17–24 (69 ref.) (Eng. Abstr.) **(Fre)**
[Renin–secreting tumor. Description of 2 cases] Camerini F., et al. **Radiol Med (Torino)** 1991 Jul–Aug;82(1–2):173–6 (15 ref.) **(Ita)**

RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM see **RENIN-ANGIOTENSIN SYSTEM**

RENIN-ANGIOTENSIN SYSTEM

see related
ANGIOTENSIN-CONVERTING ENZYME INHIBITORS

The cardiac renin–angiotensin system. An appraisal of present experimental and clinical evidence. Lindpaintner K, et al. **Circ Res** 1991 Apr;68(4):905–21 (220 ref.)
Molecular biology, endocrinology, and pharmacology of the cardiac renin–angiotensin system. Lindpaintner K, et al. **Therapie** 1990 Nov–Dec;45(6):483–8 (23 ref.)
[From the circulating renin–angiotensin system to the intratissular renin–angiotensin systems. A complex relationship stage] Carayon A. **Therapie** 1990 Nov–Dec; 45(6):489–97 (71 ref.) (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Angiotensin converting enzyme inhibitors in cardiovascular and renal disease in Africans: a review. Ajayi AA. **Afr J Med Med Sci** 1991 Jun;20(2):123–34 (70 ref.)
Renal effects of angiotensin–converting enzyme inhibition in congestive heart failure. Gottlieb SS, et al. **Am J Cardiol** 1990 Oct 2;66(11):14D–20D; discussion 20D–21D (74 ref.)
Tissue angiotensin converting enzyme inhibition. Relevant to clinical practice? Lees KR, et al. **Am J Hypertens** 1990 Nov;3(11):266S–272S (71 ref.)
Hypertensive mechanisms and converting enzyme inhibitors. Ferrario CM, et al. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV56–62; discussion IV83–90 (55 ref.)
Angiotensin converting enzyme inhibitors and moderate hypertension. McAreavey D, et al. **Drugs** 1990 Sep; 40(3):326–45 (208 ref.)
Various approaches to blockade of the renin–angiotensin system: persistent renin response. Brunner HR, et al. **J Hypertens Suppl** 1990 Dec;8(7):S149–53 (30 ref.)
Cyclosporine and the renin–angiotensin system. Mason J, et al. **Kidney Int Suppl** 1991 Jun;32:S28–32 (43 ref.)
[ACE inhibition: mechanisms of cardioprotection in chronic experimental heart failure] Riegger AJ. **Klin Wochenschr** 1991;69 Suppl 24:20–3 (7 ref.) (Eng. Abstr.) **(Ger)**
[Inhibition of angiotensin converting enzyme: a decade's experience] Martínez Amenós A. **Med Clin (Barc)** 1990 Jun 23;95(4):143–6 (26 ref.) **(Spa)**

GENETICS

Molecular biology of the renal renin–angiotensin system. Gomez RA, et al. **Kidney Int Suppl** 1990 Nov;30:S18–23 (32 ref.)
[Expression of the renin and angiotensinogen genes] Iwao H, et al. **Nippon Yakurigaku Zasshi** 1991 Jan;97(1):1–11 (72 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Role of the renin–angiotensin system in control of sodium excretion and arterial pressure. Hall JE, et al. **Acta Physiol Scand Suppl** 1990;591:48–62 (36 ref.)
Contribution of the tubuloglomerular feedback mechanism to sodium homeostasis and interaction with the renin–angiotensin system. Navar LG, et al. **Acta Physiol Scand Suppl** 1990;591:66–73 (27 ref.)
Neuroendocrine activation in congestive heart failure. Forfar JC. **Am J Cardiol** 1991 May 6;67(12):3C–5C (24 ref.)
Potential role of the tissue renin–angiotensin system in the pathophysiology of congestive heart failure. Hirsch AT, et al. **Am J Cardiol** 1990 Oct 2;66(11):22D–30D; discussion 30D–32D (131 ref.)
Nonparallel effects of renin inhibitor treatment on plasma renin activity and angiotensins I and II in hypertensive subjects. An assay-related artifact. Derkx FH, et al. **Am J Hypertens** 1991 Jul;4(7 Pt 1):602–9 (26 ref.)
Anesthetic implications of the renin–angiotensin system and angiotensin–converting enzyme inhibitors. Mirenda JV, et al. **Anesth Analg** 1991 May;72(5):667–83 (153 ref.)
Importance of RAA system and the treatment of patients with ACE inhibition after myocardial infarction. Ray SG, et al. **Angiology** 1991 Apr;42(4):268–72 (29 ref.)
Is there a role for the vascular renin–angiotensin system in the determination of vascular structure? Mulvany MJ. **Blood Vessels** 1991;28(1–3):224–30 (13 ref.)
Role of the local renin–angiotensin system in the autoregulation of the cerebral circulation. Paulson OB, et al. **Blood Vessels** 1991;28(1–3):231–5 (24 ref.)
Molecular biology of the vascular renin–angiotensin system. Samani NJ, et al. **Blood Vessels** 1991;28(1–3):210–6 (45 ref.)
The renin–angiotensin system: an overview of its intracellular function. Inagami T, et al. **Cardiovasc Drugs Ther** 1988 Nov;2(4):453–8 (38 ref.)
Pathological hypertrophy and cardiac interstitium. Fibrosis and renin–angiotensin–aldosterone system. Weber KT, et al. **Circulation** 1991 Jun;83(6):1849–65 (109 ref.)
Control of blood pressure by the renin–angiotensin–aldosterone system. Hall JE. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV6–21; discussion IV51–5 (67 ref.)
The renin–angiotensin system: renal actions and blood pressure regulation. Hall JE. **Compr Ther** 1991 May; 17(5):8–17 (12 ref.)
The renin–angiotensin system in heart failure. Cleland JG. **Herz** 1991 Apr;16(2):68–81 (91 ref.) **(Eng, Ger)**
Tissue renin–angiotensin system: sites of angiotensin formation. Campbell DJ. **J Cardiovasc Pharmacol** 1987;10 Suppl 7:S1–8 (88 ref.)
Vascular angiotensin pathways: a new therapeutic target. Dzau VJ. **J Cardiovasc Pharmacol** 1987;10 Suppl 7:S9–16 (60 ref.)
Modulation of the renin–angiotensin system by atrial natriuretic peptide. Johnston CI, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S43–6 (30 ref.)
Role of angiotensin in the renal vasoconstriction observed during the development of genetic hypertension. Arendshorst WJ, et al. **Kidney Int Suppl** 1990 Nov;30:S92–6 (34 ref.)
Adrenergic influences and interactions with angiotensin II. Blantz RC, et al. **Kidney Int Suppl** 1990 Nov;30:S84–6 (20 ref.)
The renin–angiotensin system and renal function in kidney transplantation. Mimran A, et al. **Kidney Int Suppl** 1990 Nov;30:S114–7 (19 ref.)
Influences of angiotensin on renal function in renal vascular hypertension. Ploth DW. **Kidney Int Suppl** 1990 Nov; 30:S97–101 (27 ref.)
Regulation of alcohol consumption by the renin–angiotensin system: a review of recent findings and a possible mechanism of action. Grupp LA, et al. **Neurosci Biobehav Rev** 1991 Summer;15(2):265–75 (62 ref.)
Molecular biology of components of the renin–angiotensin system during development. Gomez RA. **Pediatr Nephrol** 1990 Jul;4(4):421–3 (19 ref.)
Evolving concepts of the intrarenal renin–angiotensin system in health and disease: contributions of molecular biology. Schunkert H, et al. **Renal Physiol Biochem** 1991 Jul–Oct; 14(4–5):146–54 (45 ref.)
Nonpeptide angiotensin II receptor antagonists. Timmermans PB, et al. **Trends Pharmacol Sci** 1991 Feb;12(2):55–62 (35 ref.)
[Hormonal regulation in the balance of the water and electrolytes] Liu ZF. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul;21(3):279–81 (39 ref.) **(Chi)**
[Regulation of ovarian growth processes in the light of recent studies] Szymczykiewicz P, et al. **Endokrynol Pol** 1989; 40(6):325–36 (80 ref.) **(Pol)**
[The renin–angiotensin–aldosterone (RAA) system in endocrine diseases] Zdrojewicz Z. **Wiad Lek** 1990 Jul 1; 43(13):679–84 (36 ref.) (Eng. Abstr.) **(Pol)**
[Interaction of the renin–angiotensin system and the atrial natriuretic factor] Almeida F. **Arq Bras Cardiol** 1990 Aug; 55 Suppl A:A8–10 (9 ref.) **(Por)**
[Renin–angiotensin–aldosterone system in arterial hypertension] Kohlmann Júnior O. **Arq Bras Cardiol** 1990 Aug;55 Suppl A:A3–5 (5 ref.) **(Por)**
[Renin–angiotensin–aldosterone system in cardiac insufficiency] Ramires JA. **Arq Bras Cardiol** 1990 Aug;55 Suppl A:A6–7 (9 ref.) **(Por)**

RENIN-SUBSTRATE see **ANGIOTENSINOGEN**

RENNIN see **CHYMOSIN**

RENOGRAPHY see **RADIOISOTOPE RENOGRAPHY**

REOPERATION

METHODS

Secondary surgery for epithelial ovarian cancer. Ball HG 3d. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):57–63 (20 ref.)

TRENDS

Multiple operations for recurrent colorectal cancer. Sardi A. **Semin Surg Oncol** 1991 May–Jun;7(3):146–56 (83 ref.)

REOVIRIDAE

GENETICS

Structural and functional properties of plant reovirus genomes. Nuss DL, et al. **Adv Virus Res** 1990;38:249–306 (120 ref.)
Genomic segment reassortment in rotaviruses and other reoviridae. Ramig RF, et al. **Adv Virus Res** 1991;39:163–207 (140 ref.)
Experimental models of virus attenuation and demyelinating disease. Koolen MJ, et al. **Microbiol Sci** 1986 Mar; 3(3):68–73 (27 ref.)

PHYSIOLOGY

Mechanisms of viral pathogenesis. Distinct forms of reoviruses and their roles during replication in cells and host. Nibert ML, et al. **J Clin Invest** 1991 Sep;88(3):727–34 (64 ref.)

REOVIRUS INFECTIONS

VETERINARY

[Effect of viral structure and replication characteristics on the pathogenesis of infectious bursal disease] Müller H. **Berl Munch Tierarztl Wochenschr** 1991 Apr 1;104(4):113–7 (30 ref.) (Eng. Abstr.) **(Ger)**

REPERFUSION

[Oxygen free radicals and organ transplants] Colomer J, et al. **Rev Quir Esp** 1988 Nov–Dec;15(6):305–12 (34 ref.) (Eng. Abstr.) **(Spa)**

REPERFUSION INJURY

COMPLICATIONS

Replication of the compartment syndrome in a canine model: experimental evaluation of treatment. Ricci MA, et al. **J Invest Surg** 1990;3(2):129–40 (41 ref.)
The role of reperfusion–induced injury in the pathogenesis of the crush syndrome. Odeh M. **N Engl J Med** 1991 May 16;324(20):1417–22 (80 ref.)
Iron free radicals and arthritis. Blake DR, et al. **Proc Nutr Soc** 1990 Jul;49(2):239–45 (38 ref.)

DRUG THERAPY

Reoxygenation injury and antioxidant protection: a tale of two paradoxes. Gutteridge JM, et al. **Arch Biochem Biophys** 1990 Dec;283(2):223–6 (64 ref.)
Influence of ACE inhibitors on free radicals and reperfusion injury: pharmacological curiosity or therapeutic hope? McMurray J, et al. **Br J Clin Pharmacol** 1991 Apr; 31(4):373–9 (40 ref.)
Therapeutic application of oxygen radical scavengers. Zimmerman JJ. **Chest** 1991 Sep;100(3 Suppl):189S–192S (49 ref.)

ETIOLOGY

Reactive oxygen and ischemia/reperfusion injury of the liver. Jaeschke H. **Chem Biol Interact** 1991;79(2):115–36 (138 ref.)
Reperfusion injury of the liver. Pretto EA Jr. **Transplant Proc** 1991 Jun;23(3):1912–4 (31 ref.)

METABOLISM

Lipid peroxidation and membrane damage of the heart. Ytrehus K, et al. **Acta Physiol Scand Suppl** 1991;599:81–91 (52 ref.)
Ischemia/reperfusion injury in skeletal muscle. Walker PM. **Ann Vasc Surg** 1991 Jul;5(4):399–402 (27 ref.)
Oxygen radicals in intestinal ischemia and reperfusion. Schoenberg MH, et al. **Chem Biol Interact** 1990; 76(2):141–61 (102 ref.)

[Oxygen free radicals and ischemia–reperfusion injury of flaps] Feng F, et al. **Chung Hua Cheng Hsing Shao Shang Wai Ko Tsa Chih** 1990 Dec;6(4):299–301 (23 ref.) **(Chi)**

PHYSIOPATHOLOGY

Background review and current concepts of reperfusion injury. Hallenbeck JM, et al. **Arch Neurol** 1990 Nov; 47(11):1245–54 (132 ref.)

The role of TNF in diverse pathologic processes. Kunkel SL, et al. **Biotherapy** 1991;3(2):135–41 (40 ref.)

Pathophysiology of ischaemia reperfusion injury: central role of the neutrophil. Welbourn CR, et al. **Br J Surg** 1991 Jun;78(6):651–5 (50 ref.)

PREVENTION & CONTROL

Protection of the ischemic skeletal muscle. Beyersdorf F. **Thorac Cardiovasc Surg** 1991 Feb;39(1):19–28 (68 ref.)

[Oxygen free radicals and ischemic injuries] Teng WS, et al. **Chung Hua Wai Ko Tsa Chih** 1991 Apr;29(4):260–3 (31 ref.) **(Chi)**

REPERFUSION INJURY, MYOCARDIAL see **MYOCARDIAL REPERFUSION INJURY**

REPERFUSION, MYOCARDIAL see **MYOCARDIAL REPERFUSION**

REPETITION STRAIN INJURY

Evaluation and treatment of hand and wrist disorders in musicians. Amadio PC, et al. **Hand Clin** 1990 Aug; 6(3):405–16 (62 ref.)

The epidemiology and prevention of hand and wrist injuries in performing artists. Brandfonbrener AG. **Hand Clin** 1990 Aug;6(3):365–77 (40 ref.)

Tendinitis, overuse syndromes, and tendon injuries. Stern PJ. **Hand Clin** 1990 Aug;6(3):467–76 (68 ref.)

PATHOLOGY

Peripheral nerve entrapments, repetitive strain disorder, occupation-related syndromes, bursitis, and tendonitis. Nakano KK. **Curr Opin Rheumatol** 1991 Apr;3(2):226–39 (51 ref.)

PHYSIOPATHOLOGY

Pathophysiology of overuse injuries in the hand and wrist. Pitner MA. **Hand Clin** 1990 Aug;6(3):355–64 (62 ref.)

REPETITIVE REGION see **REPETITIVE SEQUENCES, NUCLEIC ACID**

REPETITIVE SEQUENCES, NUCLEIC ACID

Premeiotic instability of repeated sequences in Neurospora crassa. Selker EU. **Annu Rev Genet** 1990;24:579–613 (93 ref.)

Retrotransposition mechanisms. Boeke JD, et al. **Curr Opin Cell Biol** 1991 Jun;3(3):502–7 (17 ref.)

Oligonucleotide fingerprinting using simple repeat motifs: a convenient, ubiquitously applicable method to detect hypervariability for multiple purposes. Epplen JT, et al. **Experientia Suppl** 1991;58:50–69 (60 ref.)

A sea urchin gene containing multiple EGF repeats is similar to vertebrate EGF-containing genes. Raff RA. **Mol Reprod Dev** 1990 Sep;27(1):66–72 (0 ref.)

The many faces of epidermal growth factor repeats. Davis CG. **New Biol** 1990 May;2(5):410–9 (77 ref.)

Alu interspersed repeats: selfish DNA or a functional gene family? Howard BH, et al. **New Biol** 1990 Sep;2(9):759–70 (136 ref.)

The TPR snap helix: a novel protein repeat motif from mitosis to transcription. Goebl M, et al. **Trends Biochem Sci** 1991 May;16(5):173–7 (25 ref.)

DRUG EFFECTS

[Psoralens as probes in the study of the structure and function of nucleic acids] Czyż M. **Postepy Biochem** 1989; 35(4):591–608 (153 ref.) **(Pol)**

GENETICS

Mouse retrotransposons: a cellular reservoir of long terminal repeat (LTR) elements with diverse transcriptional specificities. Keshet E, et al. **Adv Cancer Res** 1991; 56:215–51 (195 ref.)

On evolutionarily conserved simple repetitive DNA sequences: do "sex-specific" satellite components serve any sequence dependent function? Epple JT, et al. **Differentiation** 1983;23 Suppl:S60–3 (18 ref.)

Tandem sequence repeats in transmembrane channel proteins. Wistow GJ, et al. **Trends Biochem Sci** 1991 May;16(5):170–1 (10 ref.)

REPLACEMENT THERAPY, ESTROGEN see **ESTROGEN REPLACEMENT THERAPY**

REPLANTATION

Sensory recovery following digital replantation. Glickman LT, et al. **Microsurgery** 1990;11(3):236–42 (52 ref.)

Macroreplantation: an overview. Kleinert JM, et al. **Microsurgery** 1990;11(3):229–33 (26 ref.)

Use of anticoagulants in replantation and elective microsurgery. Siegel DB. **Microsurgery** 1991;12(4):277–80 (20 ref.)

Extremity replantation. Sood R, et al. **Surg Clin North Am** 1991 Apr;71(2):317–29 (55 ref.)

Progress in limb and digital replantation: Part B. Berger A, et al. **World J Surg** 1990 Nov–Dec;14(6):807–18 (54 ref.)

Progress in limb and digital replantation: Part A—Introduction. Chen ZW. **World J Surg** 1990 Nov–Dec; 14(6):804–6 (9 ref.)

[Finger replantation] Nyárády J, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1990; 33(4):261–9 (23 ref.) (Eng. Abstr.) **(Hun)**

CONTRAINDICATIONS

Thumb replantation after cardiac transplantation. Borah GL, et al. **Plast Reconstr Surg** 1991 Sep;88(3):499–502 (41 ref.)

METHODS

Successful replantation of nose by microsurgical technique, and review of literature. Niazi Z, et al. **Br J Plast Surg** 1990 Sep;43(5):617–20 (13 ref.)

Regeneration of the spleen and splenic autotransplantation. Holdsworth RJ. **Br J Surg** 1991 Mar;78(3):270–8 (88 ref.)

Immediate reconstruction of the lower extremity—an update. Arnež ZM. **Clin Plast Surg** 1991 Jul;18(3):449–57 (16 ref.)

Microvascular reconstruction of the lower extremity in the elderly. Goldberg JA, et al. **Clin Plast Surg** 1991 Jul; 18(3):459–65 (49 ref.)

Replantation. Kleinert HE, et al. **Clin Symp** 1991;43(2):2–32 (15 ref.)

Techniques of bone fixation in replantation surgery. Brown ML, et al. **Microsurgery** 1990;11(3):255–60 (14 ref.)

Major limb replantation in children. Daigle JP, et al. **Microsurgery** 1991;12(3):221–31 (58 ref.)

Replantation in children. Taras JS, et al. **Microsurgery** 1991; 12(3):216–20 (39 ref.)

TRENDS

Philosophy of replantation 1976–1990. Weiland AJ, et al. **Microsurgery** 1990;11(3):223–8 (30 ref.)

REPLICATION UNIT see **REPLICON**

REPLICON

Control of plasmid replication—how do DNA iterons set the replication frequency? Nordström K. **Cell** 1990 Dec 21;63(6):1121–4 (21 ref.)

REPRESSOR MOLECULES see **REPRESSOR PROTEINS**

REPRESSOR PROTEINS

METABOLISM

Regulation in repressor inactivation by RecA protein. Ogawa H, et al. **Adv Biophys** 1990;26:33–49 (16 ref.)

Comparison of the structures of operator DNA free and in complex with lambda repressor. Baleja JD, et al. **Biochem Cell Biol** 1991 Feb–Mar;69(2–3):202–5 (14 ref.)

REPRODUCIBILITY OF RESULTS

Focus on psychometrics. Estimating construct validity. Goodwin LD, et al. **Res Nurs Health** 1991 Jun;14(3):235–43 (56 ref.)

Statistics in respiratory medicine. 2. Repeatability and method comparison. Chinn S. **Thorax** 1991 Jun;46(6):454–6 (8 ref.)

REPRODUCTION

Seasonal patterns of births and conception throughout the world. Becker S. **Adv Exp Med Biol** 1991;286:59–72 (72 ref.)

Temperature and the seasonality of births. Lam DA, et al. **Adv Exp Med Biol** 1991;286:73–88 (44 ref.)

Reproductive hazards of fire fighting. I. Non-chemical hazards. Agnew J, et al. **Am J Ind Med** 1991;19(4):433–45 (86 ref.)

Reproductive health: a global overview. Fathalla MF. **Ann N Y Acad Sci** 1991;626:1–10 (29 ref.)

Autoimmunity and reproductive failure. Gleicher N. **Ann N Y Acad Sci** 1991;626:537–44 (34 ref.)

Role of neuropeptide Y in reproductive function. McDonald JK. **Ann N Y Acad Sci** 1990;611:258–72 (36 ref.)

Human immunodeficiency virus and reproduction. Mandelbrot L, et al. **Ann N Y Acad Sci** 1991;626:484–501 (83 ref.)

The effect of pregnancy termination on future reproduction. Atrash HK, et al. **Baillieres Clin Obstet Gynaecol** 1990 Jun; 4(2):391–405 (53 ref.)

Effects of human growth hormone on reproductive and neuroendocrine functions in transgenic mice. Bartke A, et al. **Biotechnology** 1991;16:237–48 (34 ref.)

The bovine oviduct and its role in reproduction: a review of the literature. Ellington JE. **Cornell Vet** 1991 Jul; 81(3):313–28 (81 ref.)

Feed restriction of turkey breeder hens--a review. Hester PY, et al. **Poult Sci** 1990 Sep;69(9):1439–46 (22 ref.)

The evolution of sex chromosomes. Charlesworth B. **Science** 1991 Mar 1;251(4997):1030–3 (27 ref.)

[Animal models in reproductive research] Hahn D. **Nippon Sanka Fujinka Gakkai Zasshi** 1990 Aug; 42(8):879–82 (10 ref.) (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Reproductive hazards of fire fighting. II. Chemical hazards. McDiarmid MA, et al. **Am J Ind Med** 1991;19(4):447–72 (164 ref.)

Statistical issues in risk assessment of reproductive outcomes with chemical mixtures. Hertzberg VS, et al. **Environ Health Perspect** 1991 Jan;90:171–5 (39 ref.)

The potential of exposure biomarkers in epidemiologic studies of reproductive health. Hogue CJ, et al. **Environ Health Perspect** 1991 Jan;90:261–9 (125 ref.)

Selection of reproductive health end points for environmental risk assessment. Savitz DA, et al. **Environ Health Perspect** 1991 Jan;90:159–64 (34 ref.)

Basic and clinical aspects of GnRH-agonists in reproduction. Schmutzler RK, et al. **Int J Gynaecol Obstet** 1990 Aug; 32(4):311–24 (118 ref.)

Great Lakes embryo mortality, edema, and deformities syndrome (GLEMEDS) in colonial fish-eating birds: similarity to chick-edema disease. Gilbertson M, et al. **J Toxicol Environ Health** 1991 Aug;33(4):455–520 (202 ref.)

The effects of essential trace minerals on reproduction in beef cattle. Corah LR, et al. **Vet Clin North Am Food Anim Pract** 1991 Mar;7(1):41–57 (60 ref.)

GENETICS

How do you get sex? Mittwoch U, et al. **J Endocrinol** 1991 Mar;128(3):329–31 (28 ref.)

The differential roles of parental genomes in mammalian development. Norris ML, et al. **Oxf Rev Reprod Biol** 1990; 12:225–44 (85 ref.)

IMMUNOLOGY

Reproductive immunology of human immunodeficiency virus (HIV-1) infection. Naz RK, et al. **Am J Reprod Immunol** 1990 Aug;23(4):107–14 (71 ref.)

Reproductive immunology: relevance to infertility practice. Alexander NJ. **Arch Immunol Ther Exp (Warsz)** 1990; 38(1–2):23–30 (45 ref.)

PHYSIOLOGY

Epidemiologic aspects of the relationship between temperature and male reproduction. Spira A. **Adv Exp Med Biol** 1991;286:49–56 (12 ref.)

The endometrium in human assisted reproduction. Cittadini E, et al. **Ann N Y Acad Sci** 1991;622:230–5 (16 ref.)

Aging of the reproductive-neuroimmune axis. A crucial role for the hypothalamic neuropeptide luteinizing hormone-releasing hormone. Marchetti B, et al. **Ann N Y Acad Sci** 1991;621:159–73 (46 ref.)

Reproductive anatomy and gametogenesis in Shipleya inermis (Cestoda: Dioecocestidae). Rausch RL, et al. **Ann Parasitol Hum Comp** 1990;65(5–6):229–37 (40 ref.)

Reproductive peptide hormones: generation, degradation, reception, and action. LaBarbera AR, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):576–90 (21 ref.)

Pathophysiology of luteal-phase deficiency in human reproduction. Nakajima ST, et al. **Clin Obstet Gynecol** 1991 Mar;34(1):167–79 (82 ref.)

Reproductive steroid hormones: generation, degradation, reception, and action. Witt BR, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):563–75 (16 ref.)

Recent advances in understanding of normal hormone mechanisms of the female reproductive system. Hague WM, et al. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):361–9 (25 ref.)

The major histocompatibility complex and reproductive functions. Lerner SP, et al. **Endocr Rev** 1991 Feb; 12(1):78–90 (130 ref.)

Application of organization-activation theory to alternative male reproductive strategies: a review. Moore MC. **Horm Behav** 1991 Jun;25(2):154–79 (58 ref.)

Indian contribution to reproductive physiology: the last 2 decades. Kothari LK, et al. **Indian J Physiol Pharmacol** 1990 Apr;34(2):73–84 (96 ref.)

How behavioral stress disrupts the endocrine control of reproduction in domestic animals. Moberg GP. **J Dairy Sci** 1991 Jan;74(1):304–11 (49 ref.)

Melatonin and the human gonadotrophin-releasing hormone pulse generator. Silman R. **J Endocrinol** 1991 Jan; 128(1):7–11 (44 ref.)

The interaction between mediobasohypothalamic dopaminergic and endorphinergic neuronal systems as a key regulator of reproduction: an hypothesis. Rasmussen DD. **J Endocrinol Invest** 1991 Apr;14(4):323–52 (324 ref.)

Sexual pheromones in the domestic sheep: importance and limits in the regulation of reproductive physiology. Signoret JP. **J Steroid Biochem Mol Biol** 1991 Oct; 39(4B):639–45 (25 ref.)

Hormone toxicity in the newborn. Kincl FA. **Monogr Endocrinol** 1990;31:1–334 (2221 ref.)

Cervical mucus and sperm transport in reproduction.

Overstreet JW, et al. **Semin Perinatol** 1991 Apr; 15(2):149–55 (40 ref.)
Some nutritional and genetic considerations in the performance testing of beef bulls. Cates WF. **Vet Clin North Am Food Anim Pract** 1991 Mar;7(1):59–76 (23 ref.)
Nutrition and reproduction in dairy cows. Ferguson JD. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):483–507 (70 ref.)
The effects of nutrition on reproductive performance of beef cattle. Rice LE. **Vet Clin North Am Food Anim Pract** 1991 Mar;7(1):1–26 (41 ref.)
[Prostaglandins and reproduction. I. Physiological aspects] Dray F. **J Gynecol Obstet Biol Reprod (Paris)** 1991; 20(1):7–17 (69 ref.) (Eng. Abstr.) **(Fre)**
[An olfactory memory of significance for reproductive endocrinology] Kaba H, et al. **Nippon Seirigaku Zasshi** 1991;53(5):151–68 (131 ref.) **(Jpn)**
[Biological manifestations of the andropause] Vermiulen A. **Fiziol Zh** 1990 Sep–Oct;36(5):90–3 (17 ref.) (Eng. Abstr.) **(Rus)**
[The presence and function of polyamines in the male reproductive system] Méndez JD, et al. **Ginecol Obstet Mex** 1987 May;55:128–32 (40 ref.) (Eng. Abstr.) **(Spa)**

REPRODUCTION TECHNIQUES

GnRH analogues in ovarian stimulation. Gordon K, et al. **Ann N Y Acad Sci** 1991;626:238–49 (64 ref.)
Assisted reproduction and its implications for paediatrics. Levene MI. **Arch Dis Child** 1991 Jan;66(1 Spec No):1–3 (18 ref.)
Ethics and the law: the law and assisted human conception. Brahams D. **Br Med Bull** 1990 Jul;46(3):850–9 (15 ref.)
Laboratory techniques for handling gametes and embryos. Cohen J, et al. **Br Med Bull** 1990 Jul;46(3):643–53 (15 ref.)
Indications for assisted conception. Hull MG. **Br Med Bull** 1990 Jul;46(3):580–95 (36 ref.)
Oocyte donation and surrogacy. Serhal P. **Br Med Bull** 1990 Jul;46(3):796–812 (35 ref.)
Surgical techniques of oocyte collection and embryo transfer. Tan SL, et al. **Br Med Bull** 1990 Jul;46(3):628–42 (37 ref.)
Oocyte and embryo donation. Nulsen JC, et al. **Curr Opin Obstet Gynecol** 1989 Oct;1(1):55–9 (9 ref.)
[Methods of assisted reproduction] Marderšić T. **Cesk Gynekol** 1990 Sep;55(8):616–20 (58 ref.) **(Cze)**
[Research in reproduction medicine] Beier HM. **Gynakologe** 1990 Aug;23(4):237–48 (145 ref.) **(Ger)**
[Clinical evaluation of newer procedures in reproduction medicine] Hepp H, et al. **Gynakologe** 1990 Aug; 23(4):228–36 (60 ref.) **(Ger)**

PSYCHOLOGY

[The psychological status of women with frustrated wish for children] Rechenberger I. **Gynakologe** 1990 Aug; 23(4):222–7 (30 ref.) **(Ger)**

STANDARDS

New reproductive technologies. **Int J Gynaecol Obstet** 1991 Jul;35(3):274–8 (19 ref.)

TRENDS

Development of assisted conception. Edwards RG, et al. **Br Med Bull** 1990 Jul;46(3):565–79 (98 ref.)
Simple techniques past and present as an alternative to in-vitro fertilization and GIFT. Mason BA. **Br Med Bull** 1990 Jul;46(3):783–95 (40 ref.)
Reproductive technology for procreation, experimentation, and profit. Protecting rights and setting limits. Garcia SA. **J Leg Med** 1990 Mar;11(1):1–57 (249 ref.)

REPTILES

IMMUNOLOGY

Distribution of Thy-1 in invertebrates and ectothermic vertebrates. Cooper EL, et al. **Immunol Ser** 1989; 45:197–219 (59 ref.)

RESEARCH

see related
INFORMATION SERVICES
NURSING RESEARCH

Mycotoxin research in the Hungarian Central Veterinary Institute. Sándor G, et al. **Acta Vet Hung** 1990;38(1–2):61–8 (29 ref.)
Ten central themes in a decade of ALS research. Rowland LP. **Adv Neurol** 1991;56:3–23 (174 ref.)
Ethical principles of biomedical research on human subjects: their application and limitations in Latin America and the Caribbean. Serrano LaVertu D, et al. **Bull Pan Am Health Organ** 1990;24(4):469–79 (12 ref.)
Integrity of small data bases in computer analysis of dietary data. Windham CT, et al. **Crit Rev Food Sci Nutr** 1990; 29(3):149–66 (53 ref.)
The challenge of drug discovery. Jack D. **Drug Des Deliv** 1989 May;4(3):167–86 (9 ref.)
Social support and social networks: their relationship to the successful and unsuccessful survival of elderly people in the community. An analysis of concepts and a review of the evidence. Bowling A. **Fam Pract** 1991 Mar;8(1):68–83 (141 ref.)
Implications for research and policy in the treatment of hypertension. Medical considerations. Horan MJ. **Hypertension** 1989 May;13(5 Suppl):I164–6 (15 ref.)
Prosthodontics. Research. Review of the literature [published erratum appears in J Prosthet Dent 1991 Feb;65(2):324] Smith DE. **J Prosthet Dent** 1990 Sep;64(3):359–67 (111 ref.)
The ethics of using scientific data obtained by immoral means. Rosner F, et al. **N Y State J Med** 1991 Feb;91(2):54–9 (34 ref.)
Growth in perspective. Reeds PJ, et al. **Proc Nutr Soc** 1990 Oct;49(3):411–20 (35 ref.)
The impact of state and society on medical research. Pfaltz CR. **Prog Drug Res** 1990;35:9–23 (12 ref.)
Definition and measurement of fatigue. Barofsky I, et al. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S94–7 (22 ref.)
Use of social science research to improve epidemiologic studies of and interventions for diarrhea and dysentery. Nichter M. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S265–71 (33 ref.)
Validation of biologic markers for use in research on chronic fatigue syndrome. Schulte PA. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S87–9 (12 ref.)
Omega 3 fatty acids: research advances and support in the field since June 1985 (worldwide). Simopoulos AP, et al. **World Rev Nutr Diet** 1991;66:51–71 (55 ref.)
[Ethical and political questions regarding experimental genetics] Fey H. **Schweiz Arch Tierheilkd** 1991;133(1):5–11 (24 ref.) **(Ger)**
[Reflections on information management in clinical research] Ferrer Salvans P. **Rev Clin Esp** 1990 Jun;187(1):29–33 (33 ref.) (Eng. Abstr.) **(Spa)**

ECONOMICS

The impact of Medicaid on research-based care in pediatric hematology/oncology. van Eys J. **Am J Pediatr Hematol Oncol** 1991 Spring;13(1):91–6 (15 ref.)
Economic considerations that influence health policy and research. Harlan WR. **Hypertension** 1989 May;13(5 Suppl):I158–63 (9 ref.)

MANPOWER

[Gender neutrality in medical research—possible and desirable?] Emblem R. **Tidsskr Nor Laegeforen** 1990 Oct 20;110(25):3268–72 (22 ref.) (Eng. Abstr.) **(Nor)**

METHODS

Problems of clinical data interpretation. Vadgama P, et al. **Biochem Soc Trans** 1991 Feb;19(1):11–5 (24 ref.)
Statistical aspects of research methodology. Murray GD. **Br J Surg** 1991 Jul;78(7):777–81 (11 ref.)
Methodological problems in treatment resistant depression research. Nierenberg AA. **Psychopharmacol Bull** 1990; 26(4):461–4 (29 ref.)

ORGANIZATION & ADMINISTRATION

The research imperative and bureaucratic control: the case of clinical research. Hall D. **Soc Sci Med** 1991;32(3):333–42 (31 ref.)

STANDARDS

Universities and the clinical monitoring industry: feckless independents or fruitful partners? Smith BE. **Int J Clin Monit Comput** 1990;7(4):249–58 (23 ref.)
The reliability of reliability. Haas M. **J Manipulative Physiol Ther** 1991 Mar–Apr;14(3):199–208 (62 ref.)
An analysis of the prevalence and etiology of depression in Parkinson's disease. Habermann-Little B. **J Neurosci Nurs** 1991 Jun;23(3):165–9 (30 ref.)
[The spectrum of clinical scientific research] Wieling W. **Ned Tijdschr Geneeskd** 1991 Apr 13;135(15):643–5 (20 ref.) **(Dut)**
[Quality assurance in clinical studies: a necessity] Boll M, et al. **Z Exp Chir Transplant Kunstliche Organe** 1990; 23(2):65–72 (7 ref.) (Eng. Abstr.) **(Ger)**

TRENDS

Evolution of trauma and trauma research. Shires GT. **J Trauma** 1990 Dec;30(12 Suppl):S107–15 (49 ref.)
Strategies in diabetes mellitus. Start of a new era. Skyler JS. **Postgrad Med** 1991 May 1;89(6):45–6, 49, 53–6 passim (25 ref.)

RESEARCH, CLINICAL NURSING see **CLINICAL NURSING RESEARCH**

RESEARCH DESIGN

What is a cause and how do we know one? A grammar for pragmatic epidemiology. Susser M. **Am J Epidemiol** 1991 Apr 1;133(7):635–48 (61 ref.)
Methods used to evaluate growth modification in Class II malocclusion. Tulloch JF, et al. **Am J Orthod Dentofacial Orthop** 1990 Oct;98(4):340–7 (11 ref.)
A population-based cancer prevention research unit. Henderson MM. **Cancer Detect Prev** 1991;15(1):17–9 (0 ref.)
Proxy respondents in epidemiologic research. Nelson LM, et al. **Epidemiol Rev** 1990;12:71–86 (55 ref.)
Designing self-report instruments for family assessment. Halvorsen JG. **Fam Med** 1990 Nov–Dec;22(6):478–84 (47 ref.)
Which experimental design for phase I clinical trials? Proposal for an investigational approach. Durieu I, et al. **Fundam Clin Pharmacol** 1990;4 Suppl 2:77s–80s (9 ref.)
Towards a process paradigm in psychophysiology. O'Connor K. **Int J Psychophysiol** 1990 Oct;9(3):209–23 (32 ref.)
Longitudinal research strategies: advantages, problems, and prospects. Farrington DP. **J Am Acad Child Adolesc Psychiatry** 1991 May; 30(3):369–74 (33 ref.)
Longitudinal research in child and adolescent psychiatry. Verhulst FC, et al. **J Am Acad Child Adolesc Psychiatry** 1991 May;30(3):361–8 (57 ref.)
The efficacy of ethnomedicine: research methods in trouble [see comments] Anderson R. **Med Anthropol** 1991 Jun; 13(1–2):1–17 (67 ref.) Comment in: Med Anthropol 1991 Jun;13(1–2):137–71.
Extrapolation by proximate inference. Dews PB. **Neurosci Biobehav Rev** 1991 Spring;15(1):149–51 (8 ref.)
Staircase bioassay: the up-and-down method. Dixon WJ. **Neurosci Biobehav Rev** 1991 Spring;15(1):47–50 (10 ref.)
Stagewise, group sequential experimental designs for quantal responses. one-sample and two-sample comparisons. Feder PI, et al. **Neurosci Biobehav Rev** 1991 Spring;15(1):129–33 (6 ref.)
Stagewise, adaptive dose allocation for quantal response dose-response studies. Feder PI, et al. **Neurosci Biobehav Rev** 1991 Spring;15(1):109–14 (4 ref.)
The mesenteric-portal vein in research. Sutter MC. **Pharmacol Rev** 1990 Dec;42(4):287–325 (519 ref.)
The germ-free animal fed chemically defined diet: a unique tool. Wostmann BS, et al. **Proc Soc Exp Biol Med** 1991 Oct;198(1):539–46 (62 ref.)
Endpoints of clinical trials for muscle-invasive bladder cancer. Tannock IF. **Prog Clin Biol Res** 1990;353:65–74 (17 ref.)
Experimental design and measures of success in the treatment of winter depression by bright light. Terman M, et al. **Psychopharmacol Bull** 1990;26(4):505–10 (17 ref.)
Interpretive and critical research in sport and physical education. Bain LL. **Res Q Exerc Sport** 1989 Mar; 60(1):21–4 (37 ref.)
Qualitative research as a form of scientific inquiry in sport and physical education. Locke LF. **Res Q Exerc Sport** 1989 Mar;60(1):1–20 (66 ref.)
Testing for hypothesized equality. Londeree BR, et al. **Res Q Exerc Sport** 1990 Sep;61(3):275–9 (25 ref.)
A commentary on qualitative research as a form of scientific inquiry in sport and physical education. Sage GH. **Res Q Exerc Sport** 1989 Mar;60(1):25–9 (43 ref.)
Qualitative research: comments and controversies. Schutz RW. **Res Q Exerc Sport** 1989 Mar;60(1):30–5 (26 ref.)
Issues and problems in the conduct of epidemiologic research on chronic fatigue syndrome. Grufferman S. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S60–7 (10 ref.)
Analysis of clinical, epidemiologic, and laboratory data on chronic fatigue syndrome. Redmond CK. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 1:S90–3 (17 ref.)
Some statistical issues in studies of the epidemiology of AIDS. Jewell NP. **Stat Med** 1990 Dec;9(12):1387–416; discussion 1433–7 (81 ref.)
[Necessary methodologies for research advancements in leprous neuritis] Carayon A. **Acta Leprol** 1990;7(2):193–7 (42 ref.) **(Fre)**
[Experimental studies] Gili M, et al. **Enferm Infecc Microbiol Clin** 1990 Jan;8(1):52–7 (14 ref.) **(Spa)**

STANDARDS

Strategies for evaluating treatments for major depression in primary care patients. Schulberg HC, et al. **Gen Hosp Psychiatry** 1991 Jan;13(1):9–18 (52 ref.)
The social unit: an important facet in the design of cancer control research. Biglan A, et al. **Prev Med** 1991 Mar; 20(2):292–305 (55 ref.)

TRENDS

Rigor in qualitative research: the assessment of trustworthiness. Krefting L. **Am J Occup Ther** 1991 Mar; 45(3):214–22 (22 ref.)

RESEARCH, HEALTH SERVICES see **HEALTH SERVICES RESEARCH**

RESEARCH INSTITUTES see **ACADEMIES AND INSTITUTES**

RESEARCH, NURSING see **NURSING RESEARCH**

RESEARCH, NURSING ADMINISTRATION see **NURSING ADMINISTRATION RESEARCH**

RESEARCH, NURSING EDUCATION see **NURSING EDUCATION RESEARCH**

RESEARCH, NURSING EVALUATION see **NURSING EVALUATION RESEARCH**

RESEARCH, NURSING METHODOLOGY see **NURSING METHODOLOGY RESEARCH**

RESEARCH PERSONNEL

ECONOMICS

Industry reimbursement for entering patients into clinical trials: legal and ethical issues. Shimm DS, et al. **Ann Intern Med** 1991 Jul 15;115(2):148–51 (27 ref.)

RESEARCH PROTOCOLS, CLINICAL see **CLINICAL PROTOCOLS**

RESEARCH SUPPORT

The competitive marketplace for research funding. Kopple JD. **JPEN J Parenter Enteral Nutr** 1991 Jul–Aug; 15(4):363–70 (22 ref.)

Omega 3 fatty acids: research advances and support in the field since June 1985 (worldwide). Simopoulos AP, et al. **World Rev Nutr Diet** 1991;66:51–71 (55 ref.)

TRENDS

Edward B.D. Neuhauser memorial lecture. Bronchopulmonary dysplasia and research in diagnostic radiology. Northway WH Jr. **AJR Am J Roentgenol** 1991 Apr;156(4):681–7 (35 ref.)

RESERVE CELL CARCINOMA see **CARCINOMA, OAT CELL**

RESIDENCY, DENTAL see **INTERNSHIP AND RESIDENCY**

RESIDENCY, MEDICAL see **INTERNSHIP AND RESIDENCY**

RESIDENTIAL FACILITIES

Residential therapeutic communities for female substance abusers. De Leon G, et al. **Bull N Y Acad Med** 1991 May–Jun;67(3):277–90 (35 ref.)

STATISTICS & NUMERICAL DATA

Secure accommodation for very difficult adolescents: some recent research findings. Bullock R, et al. **J Adolesc** 1990 Sep;13(3):205–16 (34 ref.)

RESIDENTIAL TREATMENT

METHODS

Inpatient psychiatric treatment of children and adolescents: a review of outcome studies. Pfeiffer SI, et al. **J Am Acad Child Adolesc Psychiatry** 1990 Nov; 29(6):847–53 (52 ref.)

Critical issues in the residential care of people with autism. Van Bourgondien ME, et al. **J Autism Dev Disord** 1990 Sep;20(3):391–9 (15 ref.)

RESINS

Possibilities of selective and unselective adsorbent development in blood purification. Falkenhagen D, et al. **Contrib Nephrol** 1990;78:142–54; discussion 154–6 (19 ref.)

Lowicryl resins in microbiology. Carlemalm E. **J Struct Biol** 1990 Jul–Sep;104(1–3):189–91 (26 ref.)

PHARMACOLOGY

Effects of zinc oxide, rosin and resin acids and their combinations on bacterial growth and inflammatory cells. Söderberg TA. **Scand J Plast Reconstr Surg Suppl** 1990; 22:1–87 (193 ref.)

RESINS, SYNTHETIC

Melamine resins and their application in electron microscopy. Frösch D, et al. **Electron Microsc Rev** 1989;2(2):231–55 (44 ref.)

Current status of adhesive resin systems. Barkmeier WW, et al. **J Am Coll Dent** 1991 Summer;58(2):36–9 (29 ref.)

Alternative alloys for resin-bonded retainers. Lawson JR. **J Prosthet Dent** 1991 Jan;65(1):97–9 (43 ref.)

RESISTANCE, NATURAL see **IMMUNITY, NATURAL**

RESORTS see **HEALTH RESORTS**

RESPIRATION

see related
APNEA
BREATH TESTS
BREATHING EXERCISES
DYSPNEA

Immunohistochemistry of central respiratory neurotransmitters. Holtman JR Jr. **Am J Physiol** 1991 Jun; 260(6 Pt 1):L374–80 (71 ref.)

Mechanoreceptor modulation of endogenous respiratory rhythms in vertebrates. Milsom WK. **Am J Physiol** 1990 Nov;259(5 Pt 2):R898–910 (102 ref.)

Chemoreceptor modulation of endogenous respiratory rhythms in vertebrates. Smatresk NJ. **Am J Physiol** 1990 Nov;259(5 Pt 2):R887–97 (115 ref.)

Isocapnic hyperventilation for measuring airway hyperresponsiveness in asthma and in chronic obstructive pulmonary disease. O'Byrne PM, et al. **Am Rev Respir Dis** 1991 Jun;143(6):1444–5 (9 ref.)

Dyspnea: a sensory experience. Schwartzstein RM, et al. **Lung** 1990;168(4):185–99 (90 ref.)

[Disturbances of consciousness and airway reflexes] Nishino T. **Kokyu To Junkan** 1990 Dec;38(12):1176–84 (47 ref.) **(Jpn)**

DRUG EFFECTS

Correlative contribution of carotid and aortic afferences to the ventilatory chemosensory drive in steady-state normoxia and to the ventilatory chemoreflexes induced by transient hypoxia. Eugenin J, et al. **Arch Biol Med Exp (Santiago)** 1989 Dec;22(4):395–408 (35 ref.)

[Respiratory stimulants] van Klaveren RJ, et al. **Ned Tijdschr Geneeskd** 1991 Mar 16;135(11):452–5 (39 ref.) **(Dut)**

[Secondary effects of opioids administered by the regional route] Ecoffey C. **Cah Anesthesiol** 1991;39(2):115–9 (47 ref.) (Eng. Abstr.) **(Fre)**

[Respiratory effects of propofol] Rosa G. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):393–5 (8 ref.) **(Ita)**

PHYSIOLOGY

Receptor interactions in modulating ventilatory activity. Mitchell GS, et al. **Am J Physiol** 1990 Nov;259(5 Pt 2):R911–20 (42 ref.)

Differential roles of opioid receptors in respiration, respiratory disease, and opiate-induced respiratory depression. Shook JE, et al. **Am Rev Respir Dis** 1990 Oct; 142(4):895–909 (239 ref.)

Intermittent breathing in vertebrates. Milsom WK. **Annu Rev Physiol** 1991;53:87–105 (78 ref.)

Respiratory rate and pneumonia in infancy. Berman S, et al. **Arch Dis Child** 1991 Jan;66(1):81–4 (12 ref.)

The chemoreflex control of breathing and its measurement. Duffin J. **Can J Anaesth** 1990 Nov;37(8):933–42 (17 ref.)

Patient and ventilator work of breathing and ventilatory muscle loads at different levels of pressure support ventilation. Banner MJ, et al. **Chest** 1991 Aug;100(2):531–3 (10 ref.)

Respiratory variability and associated cardiovascular changes in adults at rest. van den Aardweg JG, et al. **Clin Physiol** 1991 Mar;11(2):95–118 (125 ref.)

Respiratory control and stimulation of spontaneous breathing. Lagercrantz H. **Int J Technol Assess Health Care** 1991;7 Suppl 1:47–51 (30 ref.)

Membrane and cellular properties in oscillating networks: implications for respiration. Dekin MS, et al. **J Appl Physiol** 1990 Sep;69(3):809–21 (109 ref.)

Fetal breathing and development of control of breathing. Jansen AH, et al. **J Appl Physiol** 1991 Apr;70(4):1431–46 (184 ref.)

Glutamic acid and gamma-aminobutyric acid neurotransmitters in central control of breathing. Kazemi H, et al. **J Appl Physiol** 1991 Jan;70(1):1–7 (55 ref.)

Regulation of breathing at birth. Adamson SL. **J Dev Physiol** 1991 Jan;15(1):45–52 (93 ref.)

Rhinomanometry. Kern EB. **Otolaryngol Clin North Am** 1973 Oct;6(3):863–74 (17 ref.)

Synaptic connections between medullary respiratory neurons and considerations on the genesis of respiratory rhythm. Ezure K. **Prog Neurobiol** 1990;35(6):429–50 (133 ref.)

Functional morphology of the tracheobronchial tree and the lung periphery. Eckert H. **Z Erkr Atmungsorgane** 1991; 176(2–3):87–90 (7 ref.)

[Pulmonary artery hypertension and nocturnal hypoxemia in chronic obstructive bronchopneumopathy] Apprill M, et al. **Rev Mal Respir** 1991;8(1):13–27 (97 ref.) (Eng. Abstr.) **(Fre)**

[Definition and measurement values of acute respiratory insufficiency: ventilation, gas exchange and respiratory mechanics] Pasch T, et al. **Klin Anasthesiol Intensivther** 1991;39:95–108; discussion 169–82 (29 ref.) **(Ger)**

[Computer-assisted analysis of cardiorespiratory data in the neonatal period] Rother M, et al. **Psychiatr Neurol Med Psychol Beih** 1990;43:37–44 (22 ref.) **(Ger)**

[New methodologic aspects of the analysis of heart rate variability in newborn infants as a selected example for heart rate analysis with special signal properties] Witte H, et al. **Psychiatr Neurol Med Psychol Beih** 1990;43:89–99 (27 ref.) **(Ger)**

[Monitoring of ventilation] Iotti G, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):565–9 (9 ref.) **(Ita)**

[Maximal oxygen consumption and various physiological and somatic characteristics of students of the Białystok Medical Academy 1976–1977 and 1980–1986] Kiczka K, et al. **Rocz Akad Med Bialymst** 1988–89;33–34:177–207 (84 ref.) (Eng. Abstr.) **(Pol)**

[Current problems in the knowledge of the central mechanisms of respiratory regulation] Breslav IS. **Fiziol Zh SSSR** 1990 May;76(5):561–70 (90 ref.) **(Rus)**

[The dynamics of the antiprotease system and of the external respiratory function in chronic bronchitis (a review of the literature)] Pilipchuk VN. **Vrach Delo** 1990 Oct;(10):42–5 (32 ref.) **(Rus)**

RESPIRATION, ARTIFICIAL

The pulmonary circulation during mechanical ventilation. Versprille A. **Acta Anaesthesiol Scand Suppl** 1990;94:51–62 (62 ref.)

The ventilator-dependent child: issues in diagnosis and management. Mallory GB Jr, et al. **Arch Phys Med Rehabil** 1991 Jan;72(1):43–55 (81 ref.)

Use of nondepolarizing neuromuscular blocking agents in mechanically ventilated patients. Buck ML, et al. **Clin Pharm** 1991 Jan;10(1):32–48 (203 ref.)

Measuring the breathing workload in mechanically ventilated patients. Annat G, et al. **Intensive Care Med** 1990; 16(7):418–21 (31 ref.)

A clinical application of exercise physiology and nutritional support for the mechanically ventilated patient. McMahon MM, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct; 14(5):538–42 (54 ref.)

Assisted ventilation. 2. Indications for mechanical ventilation. Ponte J. **Thorax** 1990 Nov;45(11):885–90 (31 ref.)

[Ventilating the cardiac patient] Kohl FV. **Internist (Berl)** 1991 Apr;32(4):199–205 (45 ref.) **(Ger)**

[Thoracic drainage in mechanically ventilated patients—indications, placement technique, complications] Konrad F. **Klin Anasthesiol Intensivther** 1991;39:326–32; discussion 333–9 (7 ref.) **(Ger)**

[Clinical studies and monitoring: bacteriologic monitoring] Konrad F, et al. **Klin Anasthesiol Intensivther** 1991; 39:121–33; discussion 169–82 (35 ref.) **(Ger)**

[The effect of mechanical ventilation on kidney and liver function] Peters J. **Klin Anasthesiol Intensivther** 1991; 39:364–78 (46 ref.) **(Ger)**

[Effects and adverse effects of mechanical ventilation on pulmonary, cardiac and circulatory functions] Peters J. **Klin Anasthesiol Intensivther** 1991;39:343–63 (53 ref.) **(Ger)**

[The effect of mechanical ventilation on the brain] Pfenninger E. **Klin Anasthesiol Intensivther** 1991;39:379–91 (31 ref.) **(Ger)**

[Management of acute respiratory insufficiency in chronic obstructive lung diseases] Sydow M, et al. **Klin Anasthesiol Intensivther** 1991;39:279–89; discussion 333–9 (7 ref.) **(Ger)**

[Ventilatory therapy in clinical practice: chronic obstructive respiratory insufficiency] Braschi A, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):551–4 (11 ref.) **(Ita)**

[Respiratory support in patients with left cardiac insufficiency] Conti G. **Minerva Anestesiol** 1990 Jul–Aug; 56(7–8):555–7 (0 ref.) **(Ita)**

[Ventilation for acute respiratory insufficiency] Pesenti A, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):545–9 (11 ref.) **(Ita)**

ADVERSE EFFECTS

[The diagnosis of pneumonia in the ventilated patient] Pugin J. **Schweiz Med Wochenschr** 1990 Nov 10;120(45):1672–7 (28 ref.) (Eng. Abstr.) **(Fre)**

[Radiologic monitoring of the mechanically ventilated patient] Jantsch H, et al. **Klin Anasthesiol Intensivther** 1991; 39:134–68; discussion 169–82 (87 ref.) **(Ger)**

INSTRUMENTATION

The basis and basics of mechanical ventilation. Bone RC, et al. **Dis Mon** 1991 Jun;37(6):321–406 (11 ref.)

[Safety of the anesthesia breathing equipment] Kilian J. **Klin Anasthesiol Intensivther** 1990;38:211–7 (10 ref.) **(Ger)**

[Detection and avoidance of disconnections in the breathing system] von Hintzenstern U. **Klin Anasthesiol Intensivther** 1990;38:234–48 (21 ref.) **(Ger)**

[Monitoring of ventilation] Iotti G, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):565–9 (9 ref.) **(Ita)**

METHODS

New techniques of respiratory support. Sykes MK. **Acta Anaesthesiol Scand Suppl** 1990;94:7–12 (30 ref.)

Patient and ventilator work of breathing and ventilatory muscle loads at different levels of pressure support ventilation. Banner MJ, et al. **Chest** 1991 Aug;100(2):531–3 (10 ref.)

Inverse ratio ventilation in ARDS. Rationale and implementation. Marcy TW, et al. **Chest** 1991 Aug; 100(2):494–504 (77 ref.)

Mechanical ventilation [published erratum appears in DICP 1990 Dec;24(12):1236] Barbarash RA, et al. **DICP** 1990 Oct; 24(10):959–70 (50 ref.)

CPAP and mechanical ventilation. Sedin G. **Int J Technol Assess Health Care** 1991;7 Suppl 1:31–40 (75 ref.)

Electrophrenic ventilation: a different perspective. Bach JR,

et al. **J Am Paraplegia Soc** 1991 Jan;14(1):9–17 (66 ref.)
New modes of mechanical ventilation. Rochon RB, et al. **Surg Clin North Am** 1991 Aug;71(4):843–58 (55 ref.)
Assisted ventilation. 3. General care of the ventilated patient in the intensive care unit. Hamilton–Farrell MR, et al. **Thorax** 1990 Dec;45(12):962–9 (115 ref.)
Assisted ventilation. 5. Non-invasive and domiciliary ventilation: negative pressure techniques. Shneerson JM. **Thorax** 1991 Feb;46(2):131–5 (20 ref.)
[Technics' bases of mechanical ventilation] Baum M. **Klin Anasthesiol Intensivther** 1991;39:185–200 (0 ref.) **(Ger)**
[Therapy of respiratory insufficiency] Benzer H. **Klin Anasthesiol Intensivther** 1991;39:215–78; discussion 333–9 (67 ref.) **(Ger)**
[Therapy of respiratory insufficiency. Humidification of inspired gases, physical therapy] Mauritz W, et al. **Klin Anasthesiol Intensivther** 1991;39:305–13; discussion 333–9 (24 ref.) **(Ger)**
[Forms of mechanical ventilation] Weismann D. **Klin Anasthesiol Intensivther** 1991;39:201–11 (2 ref.) **(Ger)**

RESPIRATION DISORDERS

COMPLICATIONS

Influence of abnormal breathing conditions on right ventricular function. Jardin F, et al. **Intensive Care Med** 1991;17(3):129–35 (36 ref.)

ETIOLOGY

Airway complications in relapsing polychondritis. Eng J, et al. **Ann Thorac Surg** 1991 Apr;51(4):686–92 (56 ref.)
Respiratory problems in emergence from anesthesia. Austin RL Jr. **Int Anesthesiol Clin** 1991 Spring;29(2):25–36 (21 ref.)

GENETICS

Mucin in disease. Modification of mucin gene expression in airway disease. Jany B, et al. **Am Rev Respir Dis** 1991 Sep; 144(3 Pt 2):S38–41 (51 ref.)
Joubert syndrome. Review of the fifty-three cases so far published. Cantani A, et al. **Ann Genet** 1990;33(2):96–8 (32 ref.)

PHYSIOPATHOLOGY

[Respiratory pathology during sleep in children] Gaultier C, et al. **Rev Mal Respir** 1990;7(5):475–81 (44 ref.) **(Fre)**
[The upper airway and respiratory disorders during sleep] Launois S, et al. **Rev Mal Respir** 1990;7(5):391–402 (97 ref.) **(Fre)**

PSYCHOLOGY

[Functional respiratory disorders] Feddersen CO, et al. **Internist (Berl)** 1991 Jan;32(1):26–30 (31 ref.) **(Ger)**

VETERINARY

Anesthetic complications in the horse. Klein L. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):665–92 (118 ref.)

RESPIRATOR WEANING see **VENTILATOR WEANING**

RESPIRATORS see **VENTILATORS, MECHANICAL**

RESPIRATORS, NEGATIVE-PRESSURE see **VENTILATORS, NEGATIVE-PRESSURE**

RESPIRATORS, PULMONARY, NEGATIVE-PRESSURE see **VENTILATORS, NEGATIVE-PRESSURE**

RESPIRATORY AIRFLOW

PHYSIOLOGY

Measurement of maximal static respiratory pressures at the mouth with different air leaks. Mayos M, et al. **Chest** 1991 Aug;100(2):364–6 (12 ref.)
A reinterpretation of psychologically induced airways changes. Kotses H, et al. **J Asthma** 1989;26(1):53–63 (61 ref.)

RESPIRATORY ALKALOSIS see **ALKALOSIS, RESPIRATORY**

RESPIRATORY CENTER

PHYSIOPATHOLOGY

[Disturbances of consciousness and airway reflexes] Nishino T. **Kokyu To Junkan** 1990 Dec;38(12):1176–84 (47 ref.) **(Jpn)**

RESPIRATORY CIRCULATION

IMMUNOLOGY

Effects of non-neural mediators and allergen on tracheobronchial blood flow. Webber SE, et al. **Eur Respir J Suppl** 1990 Dec;12:638s–643s; discussion 643s–644s (35 ref.)

PHYSIOLOGY

Lung mechanical effects on the bronchial circulation. Deffebach ME. **Eur Respir J Suppl** 1990 Dec;12:586s–590s (18 ref.)
Reflex and nervous control of the tracheobronchial circulation. Godden DJ. **Eur Respir J Suppl** 1990 Dec; 12:602s–607s (59 ref.)
Local and central reflex mechanisms in the neural control of airway microcirculation. Lundberg JM, et al. **Eur Respir J Suppl** 1990 Dec;12:624s–628s (34 ref.)
Effects of neurotransmitters on tracheobronchial blood flow. Salonen RO, et al. **Eur Respir J Suppl** 1990 Dec; 12:630s–636s; discussion 636s–637s (50 ref.)
Airway heat and water fluxes and the tracheobronchial circulation. Solway J. **Eur Respir J Suppl** 1990 Dec; 12:608s–617s (69 ref.)

RESPIRATORY DEAD SPACE

Deadspace during anaesthesia. Fletcher R. **Acta Anaesthesiol Scand Suppl** 1990;94:46–50 (14 ref.)

RESPIRATORY DISTRESS SYNDROME

DIAGNOSIS

Surfactant replacement therapy. Soll RF, et al. **Pediatr Rev** 1991 Mar;12(9):261–7 (0 ref.)

DRUG THERAPY

Prevention and treatment of fetal lung immaturity. Cosmi EV, et al. **Fetal Ther** 1989;4 Suppl 1:52–62 (49 ref.)

EPIDEMIOLOGY

Epidemiology of neonatal disorders of respiration. Hjalmarson O. **Int J Technol Assess Health Care** 1991;7 Suppl 1:9–15 (35 ref.)
[Respiratory distress syndrome in premature births] Grio R, et al. **Minerva Ginecol** 1990 Nov;42(11):443–5 (18 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Preterm factors influencing surfactant deficiency. Jobe AH. **Int J Technol Assess Health Care** 1991;7 Suppl 1:16–20 (30 ref.)
[Pathogenesis of damaging effects of hyperoxia during early ontogenesis] Garmasheva NL, et al. **Akush Ginekol (Mosk)** 1990 Jul;(7):6–9 (41 ref.) **(Rus)**

PHYSIOPATHOLOGY

Pulmonary sequelae in survivors of the adult respiratory distress syndrome. Elliott CG. **Clin Chest Med** 1990 Dec; 11(4):789–800 (79 ref.)
Pathophysiology of neonatal lung injury. Bland RD. **Int J Technol Assess Health Care** 1991;7 Suppl 1:56–60 (39 ref.)

PREVENTION & CONTROL

Pharmacologic induction of fetal lung maturity. Roberts WE, et al. **Clin Obstet Gynecol** 1991 Jun;34(2):319–27 (30 ref.)
Prevention and treatment of fetal lung immaturity. Cosmi EV, et al. **Fetal Ther** 1989;4 Suppl 1:52–62 (49 ref.)
[Surfactant to premature neonates] Jacobsen T, et al. **Ugeskr Laeger** 1991 Jul 29;153(31):2166–9 (29 ref.) (Eng. Abstr.) **(Dan)**

THERAPY

Surfactant treatment for premature babies—a review of clinical trials. Morley CJ. **Arch Dis Child** 1991 Apr;66(4 Spec No):445–50 (37 ref.)
Extracorporeal life support for cardiopulmonary failure. Bartlett RH. **Curr Probl Surg** 1990 Oct;27(10):621–705 (218 ref.)
Neonatal surfactant deficiency and surfactant replacement therapy. Hallman M, et al. **Int J Technol Assess Health Care** 1991;7 Suppl 1:21–5 (17 ref.)
Neonatal extracorporeal membrane oxygenation: how not to assess novel technologies [see comments] Elliott SJ. **Lancet** 1991 Feb 23;337(8739):476–8 (28 ref.) Comment in: Lancet 1991 Jun 1;337(8753):1344–5.
Surfactant replacement therapy. Greenwald JR, et al. **N J Med** 1990 Nov;87(11 Spec No):931–7 (10 ref.)
[Humidification of inspired air in respiratory therapy of newborn infants] Hanssler L, et al. **Monatsschr Kinderheilkd** 1990 Oct;138(10):692–5 (30 ref.) (Eng. Abstr.) **(Ger)**
[Surfactant substitution in very small premature infants] Obladen M, et al. **Monatsschr Kinderheilkd** 1991 Jan; 139(1):2–15 (80 ref.) (Eng. Abstr.) **(Ger)**

RESPIRATORY DISTRESS SYNDROME, ADULT

Adult respiratory distress syndrome. Campbell GS, et al. **Am J Surg** 1991 Feb;161(2):239–42 (18 ref.)
The adult respiratory distress syndrome. Definition and prognosis. Matthay MA. **Clin Chest Med** 1990 Dec; 11(4):575–80 (26 ref.)
Acute respiratory failure. Hankins GD. **Clin Obstet Gynecol** 1990 Sep;33(3):493–501 (23 ref.)
The adult respiratory distress syndrome. Cowan HB, et al. **Compr Ther** 1990 Oct;16(10):66–71 (15 ref.)
Oxidant stress and adult respiratory distress syndrome. Brigham KL. **Eur Respir J Suppl** 1990 Oct;11:482s–484s (17 ref.)
Pulmonary microembolism and lung vascular injury. Malik AB. **Eur Respir J Suppl** 1990 Oct;11:499s–506s (71 ref.)
Adult respiratory distress syndrome. Muakkassa FF. **J Miss State Med Assoc** 1991 Mar;32(3):79–82 (7 ref.)
[Tumor necrosis factor and septic adult respiratory distress syndrome] Putterman C. **Harefuah** 1990 Nov 1;119(9):273–5 (34 ref.) **(Heb)**

BLOOD

Experimental models of pathologic oxygen supply dependency. Cain SM, et al. **Crit Care Med** 1991 May; 19(5):603–12 (47 ref.)

CHEMICALLY INDUCED

Oxygen–exacerbated bleomycin pulmonary toxicity [see comments] Ingrassia TS 3d, et al. **Mayo Clin Proc** 1991 Feb;66(2):173–8 (33 ref.) Comment in: Mayo Clin Proc 1991 May;66(5):548.
[Platelet hyperaggregation induced by low molecular weight heparin in adult respiratory distress syndrome] Roynard JL, et al. **Ann Fr Anesth Reanim** 1991;10(1):70–3 (20 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Multiple organ failure. Dorinsky PM, et al. **Clin Chest Med** 1990 Dec;11(4):581–91 (79 ref.)

DRUG THERAPY

Pharmacologic treatment of the adult respiratory distress syndrome. Goldstein G, et al. **Clin Chest Med** 1990 Dec; 11(4):773–87 (137 ref.)

ETIOLOGY

Protease mechanisms in the pathogenesis of acute lung injury. Petty TL. **Ann N Y Acad Sci** 1991;624:267–77 (57 ref.)
Sepsis syndrome, the adult respiratory distress syndrome, and nosocomial pneumonia. A common clinical sequence. Niederman MS, et al. **Clin Chest Med** 1990 Dec; 11(4):633–56 (154 ref.)
[Clinical aspects of the so-called adult respiratory distress syndrome] Zwaveling JH, et al. **Ned Tijdschr Geneeskd** 1991 Jan 26;135(4):122–6 (40 ref.) **(Dut)**
[Fatal pulmonary edema in a pernicious malaria attack] Rioult B, et al. **Ann Fr Anesth Reanim** 1990;9(6):557–9 (17 ref.) (Eng. Abstr.) **(Fre)**
[Acute respiratory distress caused by distal neoplastic pulmonary emboli] Vassal T, et al. **Ann Med Interne (Paris)** 1990;141(8):657–60 (24 ref.) (Eng. Abstr.) **(Fre)**
[Acute respiratory distress syndrome in the initial phase of myocardial infarction in adults] Mansour M, et al. **Arch Mal Coeur** 1990 Dec;83(14):2087–93 (20 ref.) (Eng. Abstr.) **(Fre)**
[Tuberculosis and acute respiratory insufficiency. Apropos of 2 cases] Vergnenegre A, et al. **Rev Mal Respir** 1991; 8(1):110–4 (17 ref.) (Eng. Abstr.) **(Fre)**
[Respiratory distress and its treatment in the cancer patient] Sculier JP. **Rev Med Brux** 1990 Dec;11(10):513–21 (50 ref.) (Eng. Abstr.) **(Fre)**
[Adult respiratory distress syndrome: a review of cellular mechanisms] Ishizaka A. **Kokyu To Junkan** 1991 Feb; 39(2):104–14 (165 ref.) **(Jpn)**
[The role of cellular and humoral mediator systems in the pathogenesis of shock lung, caused by endotoxins] Bardakhch'ian EA, et al. **Anesteziol Reanimatol** 1990 Sep–Oct;(5):51–4 (93 ref.) **(Rus)**
[Extracorporeal circulation and respiratory distress syndrome in adults] Abad C. **Rev Med Univ Navarra** 1989 Oct–Dec; 33(4):201–6 (13 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Mediators of multiple organ failure. Goris RJ. **Intensive Care Med** 1990;16 Suppl 3:S192–6 (66 ref.)
Host responses in mediating sepsis and adult respiratory distress syndrome. Strieter RM, et al. **Semin Respir Infect** 1990 Sep;5(3):233–47 (112 ref.)

METABOLISM

Oxygen transport in adult respiratory distress syndrome and other acute circulatory problems: relationship of oxygen delivery and oxygen consumption. Weg JG. **Crit Care Med** 1991 May;19(5):650–7 (54 ref.)

PATHOLOGY

Pulmonary pathology of the adult respiratory distress syndrome. Tomashefski JF Jr. **Clin Chest Med** 1990 Dec; 11(4):593–619 (89 ref.)

PHYSIOPATHOLOGY

Adult respiratory distress syndrome. Byrne K, et al. **Acute Care** 1987;13(4):206–34 (218 ref.)

Mechanical heart–lung interaction in the adult respiratory distress syndrome. Biondi JW, et al. **Clin Chest Med** 1990 Dec;11(4):691–714 (227 ref.)

Mechanisms of alveolar fibrosis after acute lung injury. Marinelli WA, et al. **Clin Chest Med** 1990 Dec;11(4):657–72 (91 ref.)

Lung mechanics in the adult respiratory distress syndrome. Recent conceptual advances and implications for management. Marini JJ. **Clin Chest Med** 1990 Dec; 11(4):673–90 (107 ref.)

Mechanisms and mediators of the adult respiratory distress syndrome. Rinaldo JE, et al. **Clin Chest Med** 1990 Dec; 11(4):621–32 (119 ref.)

Oxygen supply and consumption in the adult respiratory distress syndrome. Schumacker PT, et al. **Clin Chest Med** 1990 Dec;11(4):715–22 (50 ref.)

Pulmonary endothelial cell injury and altered lung metabolic function. Early detection of the adult respiratory distress syndrome and possible functional significance. Wiedemann HP, et al. **Clin Chest Med** 1990 Dec;11(4):723–36 (100 ref.)

Oxygen transport and utilization in ARDS. Dantzker DR. **Eur Respir J Suppl** 1990 Oct;11:485s–489s (37 ref.)

Right ventricular performance in adult respiratory distress syndrome. Dhainaut JF, et al. **Eur Respir J Suppl** 1990 Oct;11:490s–495s (35 ref.)

Long-term sequelae on pulmonary function in survivors of the adult respiratory distress syndrome. Waanders H, et al. **Neth J Med** 1991 Apr;38(3–4):177–82 (19 ref.)

[Pathophysiological basis of the adult respiratory distress syndrome: the role of leukocytes and oxygen radicals] van Asbeck BS, et al. **Ned Tijdschr Geneeskd** 1991 Jan 26; 135(4):117–22 (46 ref.) **(Dut)**

[Etiology and pathophysiology of acute respiratory insufficiency] Burchardi H. **Klin Anasthesiol Intensivther** 1991;39:49–91 (39 ref.) **(Ger)**

[Definition and measurement values of acute respiratory insufficiency: ventilation, gas exchange and respiratory mechanics] Pasch T, et al. **Klin Anasthesiol Intensivther** 1991;39:95–108; discussion 169–82 (29 ref.) **(Ger)**

[Definition and measurement values of acute respiratory insufficiency: pulmonary circulation, cardiac function] Scheidegger D. **Klin Anasthesiol Intensivther** 1991; 39:109–20; discussion 169–82 (29 ref.) **(Ger)**

RADIOGRAPHY

Radiologic considerations in the adult respiratory distress syndrome. Aberle DR, et al. **Clin Chest Med** 1990 Dec; 11(4):737–54 (71 ref.)

Pulmonary edema and adult respiratory distress syndrome. Morgan PW, et al. **Radiol Clin North Am** 1991 Sep; 29(5):943–63 (32 ref.)

RADIONUCLIDE IMAGING

The use of radionuclide techniques in the assessment of alveolar–capillary membrane permeability on the intensive care unit. Hunter DN, et al. **Intensive Care Med** 1990; 16(6):363–71 (62 ref.)

THERAPY

The adult respiratory distress syndrome (ARDS) and oxidative stress: therapeutic implications. Cross CE, et al. **Adv Exp Med Biol** 1990;264:435–48 (89 ref.)

Inverse ratio ventilation in ARDS. Rationale and implementation. Marcy TW, et al. **Chest** 1991 Aug; 100(2):494–504 (77 ref.)

Ventilatory strategies in the management of the adult respiratory distress syndrome. Stolier JK, et al. **Clin Chest Med** 1990 Dec;11(4):755–72 (114 ref.)

Extracorporeal life support for cardiopulmonary failure. Bartlett RH. **Curr Probl Surg** 1990 Oct;27(10):621–705 (218 ref.)

Pathophysiology, monitoring, and management of the ventilator-dependent patient: considerations for drug therapy, emphasis on stress ulcer prophylaxis. Dellinger RP. **DICP** 1990 Nov;24(11 Suppl):S8–11 (16 ref.)

Hemodynamics and therapy in ARDS. Zapol WM. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):471–3 (14 ref.)

[Pathophysiologic and therapeutic aspects of the adult respiratory distress syndrome (ARDS)] Thiel M, et al. **Anasthesiol Intensivmed Notfallmed Schmerzther** 1991 Feb; 26(1):3–11 (79 ref.) (Eng. Abstr.) **(Ger)**

[New approaches to the treatment of adult respiratory distress syndrome] Putterman C. **Harefuah** 1990 Nov 15; 119(10):340–2 (40 ref.) **(Heb)**

RESPIRATORY ENTERIC ORPHAN VIRUS see **REOVIRIDAE**

RESPIRATORY FAILURE see **RESPIRATORY INSUFFICIENCY**

RESPIRATORY FUNCTION TESTS

The role of measurements of airway responsiveness. Hargreave FE, et al. **Agents Actions Suppl** 1990;30:35–40 (16 ref.)

Assessment of long-term changes in airway function. Pride NB. **Agents Actions Suppl** 1990;30:21–34 (16 ref.)

Using pulmonary function testing in the diagnosis and treatment of asthma. Siefkin AD. **Clin Rev Allergy** 1990 Summer–Fall;8(2–3):179–96 (23 ref.)

Surveillance for occupational asthma. Balmes JR. **Occup Med** 1991 Jan–Mar;6(1):101–10 (46 ref.)

Physiologic testing in preventing occupational lung disease. Gelb AF. **Occup Med** 1991 Jan–Mar;6(1):59–68 (61 ref.)

[Modern research methods in the newborn: respiratory and heart–circulatory functions] Stopfkuchen H. **Klin Anasthesiol Intensivther** 1989;37:161–3 (0 ref.) **(Ger)**

[Functional disorders in obstructive respiratory tract diseases] Rasche K, et al. **Verh Dtsch Ges Inn Med** 1990;96:58–65 (13 ref.) **(Ger)**

[Function analytic control of therapy of obstructive respiratory tract disease] Schött D, et al. **Verh Dtsch Ges Inn Med** 1990;96:742–5 (9 ref.) **(Ger)**

[Concomitant therapy with diagnostic respiratory function in the aged] Pleger E, et al. **Z Arztl Fortbild (Jena)** 1990; 84(22):1153–6 (14 ref.) **(Ger)**

[The oscillation method—a cost–effective alternative for the functional diagnosis of respiration mechanics in clinical practice?] Pleger E, et al. **Z Arztl Fortbild (Jena)** 1991 Mar 11;85(5):187–92 (27 ref.) **(Ger)**

INSTRUMENTATION

[Methods and facilities for testing instruments used for measuring indices of pulmonary ventilation function (a review)] Sivachev AV. **Med Tekh** 1991 Mar–Apr;(2):24–9 (18 ref.) (Eng. Abstr.) **(Rus)**

METHODS

Mechanical ventilation [published erratum appears in DICP 1990 Dec;24(12):1236] Barbarash RA, et al. **DICP** 1990 Oct; 24(10):959–70 (50 ref.)

Pulmonary function testing in the intensive care unit. Macnaughton PD, et al. **Respir Med** 1990 Nov;84(6):437–43 (58 ref.)

[Diagnosis of lung function: what do we need?] Schött D, et al. **Verh Dtsch Ges Inn Med** 1990;96:192–5 (1 ref.) **(Ger)**

[Standardization of forced spirometry. Analysis of the basal pulmonary function (PEF, FEF2575, FEF50) in a selected group of children] Sanz Ortega J, et al. **An Esp Pediatr** 1990 Jun;32(6):499–506 (34 ref.) (Eng. Abstr.) **(Spa)**

RESPIRATORY HYPERSENSITIVITY

[Hypersensitivity of the respiratory tract: determination, occurrence and clinical significance] Magnussen H. **Dtsch Med Wochenschr** 1990 Oct 19;115(42):1604–10 (38 ref.) **(Ger)**

DIAGNOSIS

Non-isotonic aerosol challenge in the evaluation of bronchial hyperresponsiveness. Anderson SD. **Allergy Proc** 1991 May–Jun;12(3):143–9 (50 ref.)

[ORL versus naso-sinusal allergy] Elbaz P. **Allerg Immunol (Paris)** 1991 Jan;23(1):19–22 (1 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Therapy of bronchial hyper-responsiveness. Magnussen H, et al. **Clin Exp Allergy** 1991 May;21(3):379–89 (150 ref.)

EPIDEMIOLOGY

Carbonless copy paper: a review of published epidemiologic studies. Buring JE, et al. **J Occup Med** 1991 Apr; 33(4):486–95 (35 ref.)

[The epidemiology of allergy to house dust mites] Vervloet D, et al. **Rev Mal Respir** 1991;8(1):59–65 (37 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Cytokines and bronchial hyperreactivity. Alam R. **Agents Actions Suppl** 1990;31:147–62 (51 ref.)

Hypersensitivity pneumonitis. Pitcher WD. **Am J Med Sci** 1990 Oct;300(4):251–66 (102 ref.)

[Allergic manifestations in the ENT area in childhood] Rieger C. **Arch Otorhinolaryngol Suppl** 1991;1:115–9 (6 ref.) **(Ger)**

[Significance of food allergens for the development of hyperreactive airway diseases] Mileder P. **Wien Med Wochenschr** 1990 Aug 31;140(16):428–31 (22 ref.) (Eng. Abstr.) **(Ger)**

[The role of respiratory viral infection in the formation of bronchial hyperreactivity] Soldatov DG. **Ter Arkh** 1990; 62(8):145–50 (80 ref.) **(Rus)**

IMMUNOLOGY

Eicosanoids and platelet-activating factor in allergic respiratory diseases. Henderson WR Jr. **Am Rev Respir Dis** 1991 May;143(5 Pt 2):S86–90 (75 ref.)

T cell mediated induction of bronchial hyperreactivity. Garssen J, et al. **Br J Clin Pharmacol** 1990;30 Suppl 1:153S–155S (13 ref.)

[The immune system and allergy] König W. **Verh Dtsch Ges Inn Med** 1990;96:26–36 (10 ref.) **(Ger)**

[Mediators of immunologic inflammation of the respiratory tract] Miadonna A, et al. **Boll Ist Sieroter Milan** 1988; 67(5–6):369–76 (62 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

An alternative point of view on experimental lung hyperreactivity. Desquand S, et al. **Agents Actions Suppl** 1990;31:25–37 (26 ref.)

Asthma and airway hyperresponsiveness. Ingram RH Jr. **Annu Rev Med** 1991;42:139–50 (37 ref.)

The role of platelet activating factor in allergic respiratory disease. Page CP. **Br J Clin Pharmacol** 1990;30 Suppl 1:99S–106S (69 ref.)

[Allergic respiratory tract obstructions: organ manifestation and clinical outcome] Schultze-Werninghaus G. **Verh Dtsch Ges Inn Med** 1990;96:20–6 (38 ref.) **(Ger)**

[The role of arachidonic acid metabolites in the pathogenesis of bronchial asthma] Seeger W, et al. **Verh Dtsch Ges Inn Med** 1990;96:685–93 (54 ref.) **(Ger)**

[Virus infections and obstructive respiratory tract diseases] Werchau H. **Verh Dtsch Ges Inn Med** 1990;96:36–45 (65 ref.) **(Ger)**

PREVENTION & CONTROL

[Epidemiology and prevention of respiratory allergies in children] Cantani A. **Riv Eur Sci Med Farmacol** 1990 Jun; 12(3):147–57 (51 ref.) (Eng. Abstr.) **(Ita)**

THERAPY

[Bronchial asthma: allergy and inflammation. Principles of rational asthma therapy (published erratum appears in Monatsschr Kinderheilkd 1990 Dec;138(12):831)] Dorsch W. **Monatsschr Kinderheilkd** 1990 Sep;138(9):578–83 (46 ref.) (Eng. Abstr.) **(Ger)**

RESPIRATORY INSUFFICIENCY

COMPLICATIONS

[Nutritional problems in chronic recurring respiratory insufficiency] Tufano R, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):483–9 (28 ref.) **(Ita)**

CONGENITAL

Congenital nasopharyngeal teratoma in newborn: case report and review of literature. Jawad AJ, et al. **Z Kinderchir** 1990 Dec;45(6):375–8 (15 ref.)

DIAGNOSIS

Respiratory distress in a child in the office. Ruddy RM. **Pediatr Emerg Care** 1990 Dec;6(4):314–20 (34 ref.)

[Spirometry] Schlegel J. **Verh Dtsch Ges Inn Med** 1990; 96:713–9 (4 ref.) **(Ger)**

[Rhabdomyolysis, ventricular fibrillation and respiratory insufficiency as a form of presentation of type-I renal tubular acidosis] Jiménez Saenz M, et al. **An Med Interna** 1989 Jul;6(7):369–72 (12 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Isoproterenol infusion in the management of respiratory failure in children with status asthmaticus: experience in a small community hospital and review of the literature. Victoria MS, et al. **J Asthma** 1991;28(2):103–8 (16 ref.)

Resistant status asthmaticus in children. DeNicola LK, et al. **J Fla Med Assoc** 1990 Sep;77(9):809–13 (30 ref.)

ETIOLOGY

Respiratory failure associated with myasthenia gravis. Roy TM, et al. **J Ky Med Assoc** 1991 Apr;89(4):169–73 (14 ref.)

The breathless child. Marcovitch H. **Practitioner** 1990 Aug; 234(1493):764–7 (0 ref.)

[Diaphragmatic fatigue and respiratory failure in patients with chronic obstructive pulmonary diseases] Chen RC, et al. **Chung Hua Chieh Ho Ho Hu Hsi Tsa Chih** 1991 Apr;14(2):111–3 (20 ref.) **(Chi)**

[Respiratory failure in a HIV seropositive heroin addict female] Magnan A, et al. **Ann Fr Anesth Reanim** 1991; 10(1):74–6 (10 ref.) (Eng. Abstr.) **(Fre)**

[From sleep apnea syndrome to chronic respiratory insufficiency and right cardiac effects] Weitzenblum E, et al. **Rev Mal Respir** 1990;7(5):433–40 (37 ref.) **(Fre)**

[Respiratory risk of general surgery in adults] Cohendy R, et al. **Rev Pneumol Clin** 1991;47(1):10–20 (102 ref.) (Eng. Abstr.) **(Fre)**

[Respiratory emergencies in childhood] Rossi R, et al. **Fortschr Med** 1991 Apr 20;109(12):253–7 (0 ref.) (Eng. Abstr.) **(Ger)**

[Fatigue of the respiratory muscle and respiratory insufficiency] Hutás I, et al. **Orv Hetil** 1991 Jun 30; 132(26):1403–7 (30 ref.) (Eng. Abstr.) **(Hun)**

METABOLISM

[Clinical aspects of mitochondrial encephalomyopathy—abnormality of mitochondrial respiratory chain] Nakagawa M, et al. **No To Shinkei** 1990 Aug;42(8):719–33 (165 ref.) **(Jpn)**

PHYSIOPATHOLOGY

Respiratory muscle function in the critically ill patient.

Fitting JW. **Acute Care** 1988–89;14–15:313–49 (173 ref.)
Assisted ventilation. 4. Weaning from mechanical ventilation. Goldstone J, et al. **Thorax** 1991 Jan;46(1):56–62 (74 ref.)
[Artificial feeding and respiratory insufficiency] Sottiaux T. **Rev Med Liege** 1991 Mar;46(3):131–46 (75 ref.) **(Fre)**
[Etiology and pathophysiology of acute respiratory insufficiency] Burchardi H. **Klin Anasthesiol Intensivther** 1991;39:49–91 (39 ref.) **(Ger)**
[Definition and measurement values of acute respiratory insufficiency: ventilation, gas exchange and respiratory mechanics] Pasch T, et al. **Klin Anasthesiol Intensivther** 1991;39:95–108; discussion 169–82 (29 ref.) **(Ger)**
[Definition and measurement values of acute respiratory insufficiency: pulmonary circulation, cardiac function] Scheidegger D. **Klin Anasthesiol Intensivther** 1991; 39:109–20; discussion 169–82 (29 ref.) **(Ger)**
[Chronic respiratory failure] Kira S. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):458–61 (3 ref.) **(Jpn)**

PREVENTION & CONTROL

[Physiopathology, prevention and treatment of postoperative respiratory insufficiency] Chiaranda M, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):559–64 (20 ref.) **(Ita)**

REHABILITATION

Breathing exercises for the medical patient: the art and the science. Kigin CM. **Phys Ther** 1990 Nov;70(11):700–6 (43 ref.)

THERAPY

The ventilator-dependent child: issues in diagnosis and management. Mallory GB Jr, et al. **Arch Phys Med Rehabil** 1991 Jan;72(1):43–55 (81 ref.)
Weaning from mechanical ventilation: current controversies. Knebel AR. **Heart Lung** 1991 Jul;20(4):321–31 (61 ref.)
An approach to respiratory distress and central nervous system emergencies. Kissoon N, et al. **Indian J Pediatr** 1991 Mar–Apr;58(2):191–203 (42 ref.)
High-frequency oscillatory ventilation. Hodson WA. **Int J Technol Assess Health Care** 1991;7 Suppl 1:41–6 (46 ref.)
CPAP and mechanical ventilation. Sedin G. **Int J Technol Assess Health Care** 1991;7 Suppl 1:31–40 (75 ref.)
The cervical spine in maxillofacial trauma. Assessment and airway management. Kellman R. **Otolaryngol Clin North Am** 1991 Feb;24(1):1–13 (50 ref.)
Recognition and stabilization of the critically ill or injured child [published erratum appears in Pediatr Ann 1990 Dec;19(12):678] Seidel JS. **Pediatr Ann** 1990 Oct; 19(10):580–3 (9 ref.)
Relief from respiratory distress in advanced cancer patients. Drings P, et al. **Recent Results Cancer Res** 1991;121:366–77 (31 ref.)
[Emergency measures in respiratory failure] Bohn P, et al. **Internist (Berl)** 1991 Apr;32(4):170–4 (27 ref.) **(Ger)**
[Therapy of respiratory insufficiency] Benzer H. **Klin Anasthesiol Intensivther** 1991;39:215–78; discussion 333–9 (67 ref.) **(Ger)**
[Therapy of respiratory insufficiency. Drug therapy, inhalation therapy] Fitzal S. **Klin Anasthesiol Intensivther** 1991;39:290–304; discussion 333–9 (47 ref.) **(Ger)**
[Therapy of respiratory insufficiency. Humidification of inspired gases, physical therapy] Mauritz W, et al. **Klin Anasthesiol Intensivther** 1991;39:305–13; discussion 333–9 (24 ref.) **(Ger)**
[Therapy of respiratory insufficiency. Endotracheal suctioning—fiberglass bronchoscopy—long-term intubation—tracheotomy] Sporn P, et al. **Klin Anasthesiol Intensivther** 1991;39:314–25; discussion 333–9 (39 ref.) **(Ger)**
[Management of acute respiratory insufficiency in chronic obstructive lung diseases] Sydow M, et al. **Klin Anasthesiol Intensivther** 1991;39:279–89; discussion 333–9 (7 ref.) **(Ger)**
[Ventilatory therapy in clinical practice: chronic obstructive respiratory insufficiency] Braschi A, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):551–4 (11 ref.) **(Ita)**
[Ventilation for acute respiratory insufficiency] Pesenti A, et al. **Minerva Anestesiol** 1990 Jul–Aug;56(7–8):545–9 (11 ref.) **(Ita)**
[Electric stimulation of respiration in chronic nonspecific lung diseases in surgical practice] Vasil'ev VN, et al. **Vestn Khir** 1990 Apr;144(4):148–50 (21 ref.) **(Rus)**

RESPIRATORY MECHANICS

Lung mechanics in the adult respiratory distress syndrome. Recent conceptual advances and implications for management. Marini JJ. **Clin Chest Med** 1990 Dec; 11(4):673–90 (107 ref.)

PHYSIOLOGY

Mechanics of the lung and chest wall. Rehder K. **Acta Anaesthesiol Scand Suppl** 1990;94:32–6 (12 ref.)
Two-compartment modelling of respiratory system mechanics at low frequencies: gas redistribution or tissue rheology? Similowski T, et al. **Eur Respir J** 1991 Mar; 4(3):353–8 (33 ref.)
Role of phrenic nerve afferents in the control of breathing. Frazier DT, et al. **J Appl Physiol** 1991 Feb;70(2):491–6 (71 ref.)
Pleural pressure distribution and its relationship to lung volume and interstitial pressure. Lai-Fook SJ, et al. **J Appl Physiol** 1991 Mar;70(3):967–78 (93 ref.)
Neural control of breathing. Recent advances and hypotheses. Lindsey BG. **J Fla Med Assoc** 1991 Apr; 78(4):241–3 (8 ref.)
[Definition and measurement values of acute respiratory insufficiency: ventilation, gas exchange and respiratory mechanics] Pasch T, et al. **Klin Anasthesiol Intensivther** 1991;39:95–108; discussion 169–82 (29 ref.) **(Ger)**

RESPIRATORY MUSCLES

PHYSIOLOGY

Patient and ventilator work of breathing and ventilatory muscle loads at different levels of pressure support ventilation. Banner MJ, et al. **Chest** 1991 Aug;100(2):531–3 (10 ref.)
Respiratory muscle performance in infants and children. Nichols DG. **J Pediatr** 1991 Apr;118(4 (Pt 1)):493–502 (90 ref.)
[Advances in the research on the physiological function of respiratory muscles] Jiang TS, et al. **Chung Hua Chieh Ho Ho Hu Hsi Tsa Chih** 1990 Aug; 13(4):242–4 (30 ref.) **(Chi)**

PHYSIOPATHOLOGY

Respiratory muscle function in the critically ill patient. Fitting JW. **Acute Care** 1988–89;14–15:313–49 (173 ref.)
Respiratory muscle fatigue limiting physical exercise? Fitting JW. **Eur Respir J** 1991 Jan;4(1):103–8 (57 ref.)
The expiratory muscles in tetraplegia. De Troyer A, et al. **Paraplegia** 1991 Jul;29(6):359–63 (15 ref.)
Respiratory muscle weakness. Mier A. **Respir Med** 1990 Sep; 84(5):351–9 (82 ref.)
[Fatigue of the respiratory muscle and respiratory insufficiency] Hutás I, et al. **Orv Hetil** 1991 Jun 30; 132(26):1403–7 (30 ref.) (Eng. Abstr.) **(Hun)**

RESPIRATORY PARALYSIS

ETIOLOGY

[Diaphragmatic paralysis after puncture of the internal jugular vein] Armengaud MH, et al. **Ann Fr Anesth Reanim** 1991;10(1):77–80 (12 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Importance of the adaptive properties of skeletal muscle in long-term electrophrenic stimulation of the diaphragm. Salmons S. **Stereotact Funct Neurosurg** 1989;53(4):223–32 (42 ref.)

RESPIRATORY SOUNDS

Evaluation and management of stridor in the newborn. Simon NP. **Clin Pediatr (Phila)** 1991 Apr;30(4):211–6 (10 ref.)
Continuous adventitious lung sounds. Koster ME, et al. **J Asthma** 1990;27(4):237–49 (65 ref.)

DIAGNOSIS

Evaluating the patient with stridor. O'Hollaren MT, et al. **Ann Allergy** 1991 Sep;67(3):301–5 (18 ref.)
[False asthmas of the adult] Underner M, et al. **Allerg Immunol (Paris)** 1991 Jan;23(1):11–6 (56 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

The stridorous infant. Nowlin JH, et al. **Ear Nose Throat J** 1991 Feb;70(2):84–8 (19 ref.)
Juvenile myasthenia gravis: an unusual presentation. Winter PH, et al. **Int J Pediatr Otorhinolaryngol** 1990 Aug; 19(3):273–6 (7 ref.)
[Episodic laryngeal dyskinesia: a functional cause of stridor] Magnenat JL, et al. **Rev Mal Respir** 1991;8(1):95–9 (28 ref.) (Eng. Abstr.) **(Fre)**

RESPIRATORY SYNCYTIAL VIRUSES

Respiratory syncytial virus infection. A brief review of epidemiology and current research in China. Zhaori GT, et al. **Chin Med J [Engl]** 1990 Jun;103(6):508–12 (15 ref.)
[Nosocomial virus infections in pediatric departments. Rotavirus and respiratory syncytial virus] Hjelt K. **Ugeskr Laeger** 1991 Jul 22;153(30):2102–4 (26 ref.) (Eng. Abstr.) **(Dan)**
[Pneumonia in adults caused by the respiratory syncytial virus] de Gorgolas Hernández-Mora M, et al. **An Med Interna** 1990 Sep;7(9):471–3 (25 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Human and bovine respiratory syncytial virus: immunopathologic mechanisms. Baker JC. **Vet Q** 1991 Jan; 13(1):47–59 (110 ref.)

ISOLATION & PURIFICATION

Culture vs direct antigen assays for detection of microbial pathogens from lower respiratory tract specimens suspected of containing the respiratory syncytial virus. Kellogg JA. **Arch Pathol Lab Med** 1991 May;115(5):451–8 (134 ref.)

RESPIRATORY SYSTEM

Respiratory and cardiovascular monitoring. Hamilton-Farrell M. **Br J Hosp Med** 1990 Dec; 44(6):418–21 (6 ref.)
Absorption of peptides and proteins from the respiratory tract and the potential for development of locally administered vaccine. O'Hagan DT, et al. **Crit Rev Ther Drug Carrier Syst** 1990;7(1):35–97 (421 ref.)

ABNORMALITIES

Radiographic manifestations of congenital anomalies affecting the airway. Carpenter LM, et al. **Radiol Clin North Am** 1991 Mar;29(2):219–40 (35 ref.)
Disorders of the fetal thorax and abdomen. Dinsmore BJ, et al. **Semin Roentgenol** 1990 Oct;25(4):334–41 (26 ref.)

BLOOD SUPPLY

Airways vasodilatation in the immediate allergic reaction. Involvement of inflammatory mediators and sensory nerves. Alving K. **Acta Physiol Scand Suppl** 1991;597:1–64 (176 ref.)

CHEMISTRY

The carbohydrate diversity of human respiratory mucins: a protection of the underlying mucosa? Lamblin G, et al. **Am Rev Respir Dis** 1991 Sep;144(3 Pt 2):S19–24 (44 ref.)
Mucin structure. The structure and heterogeneity of respiratory mucus glycoproteins. Sheehan JK, et al. **Am Rev Respir Dis** 1991 Sep;144(3 Pt 2):S4–9 (63 ref.)

CYTOLOGY

Contribution of in vitro culture methods for respiratory epithelial cells to the study of the physiology of the respiratory tract. Jorissen M, et al. **Eur Respir J** 1991 Feb; 4(2):210–7 (94 ref.)
[Structure and function of airway epithelial cells] Takizawa T. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Dec; 28(12):1547–56 (18 ref.) (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Formaldehyde: an analysis of its respiratory, cutaneous, and immunologic effects. Bardana EJ Jr, et al. **Ann Allergy** 1991 Jun;66(6):441–52 (147 ref.)

IMMUNOLOGY

Pathogenesis and sequelae of respiratory infections. Busse WW. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S477–85 (49 ref.)

INNERVATION

Immunohistochemistry of central respiratory neurotransmitters. Holtman JR Jr. **Am J Physiol** 1991 Jun; 260(6 Pt 1):L374–80 (71 ref.)
Control of airway caliber by autonomic nerves in asthma and in chronic obstructive pulmonary disease. de Jongste JC, et al. **Am Rev Respir Dis** 1991 Jun;143(6):1421–6 (75 ref.)
Modulation of cholinergic neurotransmission to the airways. Skoogh BE, et al. **Am Rev Respir Dis** 1991 Jun; 143(6):1427–8 (24 ref.)
Neural control of airway mucus secretion. Rogers DF, et al. **Biomed Pharmacother** 1990;44(9):447–53 (44 ref.)
Membrane and cellular properties in oscillating networks: implications for respiration. Dekin MS, et al. **J Appl Physiol** 1990 Sep;69(3):809–21 (109 ref.)

METABOLISM

Mucin exocytosis. Verdugo P. **Am Rev Respir Dis** 1991 Sep; 144(3 Pt 2):S33–7 (61 ref.)

MICROBIOLOGY

Infection v. colonisation. Geddes DM. **Intensive Care Med** 1990;16 Suppl 3:S201–5 (12 ref.)

PATHOLOGY

Airway pathology of functional significance in chronic bronchitis and chronic obstructive airway disease. Hogg JC. **Agents Actions Suppl** 1990;30:11–20 (20 ref.)
[Papillomatosis between remission and malignant transformation—case reports and review of papillomatous tumors of the lower respiratory tract] Dobbertin I, et al. **Pneumologie** 1990 Sep;44(9):1086–105 (111 ref.) **(Ger)**

PHYSIOLOGY

Neuropeptides as modulators of airway function. Barnes PJ. **Agents Actions Suppl** 1990;31:175–96 (83 ref.)
Putative role of epithelial derived factors in airway smooth

muscle reactivity. Raeburn D. **Agents Actions Suppl** 1990; 31:259–74 (45 ref.)
Roles of neutral endopeptidase in airways. Borson DB. **Am J Physiol** 1991 Apr;260(4 Pt 1):L212–25 (140 ref.)
Human nasal respiratory secretions and host defense. Kaliner MA. **Am Rev Respir Dis** 1991 Sep;144(3 Pt 2):S52–6 (39 ref.)
The fate of inhaled aerosols: a review of observed trends and some generalizations. Vincent JH. **Ann Occup Hyg** 1990 Dec;34(6):623–37 (30 ref.)
Ontogeny of cardiovascular and respiratory physiology in lower vertebrates. Burggren WW, et al. **Annu Rev Physiol** 1991;53:107–35 (150 ref.)
Effect of microgravity on the respiratory system. Engel LA. **J Appl Physiol** 1991 May;70(5):1907–11 (24 ref.)
The alphastat hypothesis in respiratory control and acid–base balance. Nattie EE. **J Appl Physiol** 1990 Oct;69(4):1201–7 (60 ref.)
The role of chemosensitive muscle receptors in cardiorespiratory regulation during exercise. Tallarida G, et al. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S155–61 (21 ref.)
[Anatomy and physiology of the respiratory tract] Lotz P. **Klin Anasthesiol Intensivther** 1991;39:3–45 (12 ref.) **(Ger)**
[Biologically active polypeptides in the respiratory system] Mosiewicz J, et al. **Pol Tyg Lek** 1990 Jul 16–30; 45(29–31):634–6 (36 ref.) **(Pol)**
[The reactions of the cardiorespiratory system to increased respiratory resistance] Breslav IS, et al. **Usp Fiziol Nauk** 1991 Apr–Jun;22(2):3–18 (115 ref.) **(Rus)**

PHYSIOPATHOLOGY

Airways hyperreactivity, bronchial inflammation and obstructive lung disease. Bleecker ER. **Agents Actions Suppl** 1990;30:73–86 (50 ref.)
The role of measurements of airway responsiveness. Hargreave FE, et al. **Agents Actions Suppl** 1990;30:35–40 (16 ref.)
Inflammation and cell–cell interactions in airway hyperresponsiveness. Leff AR, et al. **Am J Physiol** 1991 Apr;260(4 Pt 1):L189–206 (189 ref.)
Isocapnic hyperventilation for measuring airway hyperresponsiveness in asthma and in chronic obstructive pulmonary disease. O'Byrne PM, et al. **Am Rev Respir Dis** 1991 Jun;143(6):1444–5 (9 ref.)
Hyperresponsiveness as a determinant of the outcome in chronic obstructive pulmonary disease. Postma DS, et al. **Am Rev Respir Dis** 1991 Jun;143(6):1458–62 (58 ref.)
Interaction between parenchyma and airways in chronic obstructive pulmonary disease and in asthma. Pride NB, et al. **Am Rev Respir Dis** 1991 Jun;143(6):1446–9 (32 ref.)
Pollen deposition in intrathoracic airways. Driessen MN, et al. **Eur Respir J** 1991 Mar;4(3):359–63 (49 ref.)
Peripheral opioid receptors and the cough reflex. Adcock JJ. **Respir Med** 1991 Jan;85 Suppl A:43–6 (23 ref.)

RADIOGRAPHY

Pediatric chest imaging. Wood BP. **Curr Opin Radiol** 1990 Dec;2(6):899–903 (17 ref.)

SECRETION

Control of mucus secretion in airways [editorial] Wagner U, et al. **Respiration** 1991;58(1):1–8 (41 ref.)

RESPIRATORY THERAPY

Inhaled drugs and the lung. Summers QA. **Clin Exp Allergy** 1991 May;21(3):259–68 (103 ref.)
[Therapy of respiratory insufficiency. Drug therapy, inhalation therapy] Fitzal S. **Klin Anasthesiol Intensivther** 1991;39:290–304; discussion 333–9 (47 ref.) **(Ger)**

INSTRUMENTATION

[Instrument treatment of sleep apnea syndrome] Rodenstein DO, et al. **Rev Mal Respir** 1990;7(5):459–65 (50 ref.) **(Fre)**
[Automatic system for acquisition of data in ventilatory therapy] Galassini A. **Minerva Anestesiol** 1990 Jul–Aug; 56(7–8):571–80 (2 ref.) **(Ita)**

METHODS

Inhaled therapy in paediatrics. Sly PD, et al. **J Paediatr Child Health** 1991 Feb;27(1):7–10 (30 ref.)
[Electric stimulation of respiration in chronic nonspecific lung diseases in surgical practice] Vasil'ev VN, et al. **Vestn Khir** 1990 Apr;144(4):148–50 (21 ref.) **(Rus)**

RESPIRATORY TRACT DISEASES

The respiratory health of welders. Sferlazza SJ, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 1):1134–48 (73 ref.)
Allergy of the upper respiratory tract. Clemis JD, et al. **Otolaryngol Clin North Am** 1970 Jun;3(2):265–76 (14 ref.)
[Respiratory sites of amyloidosis] M'rad S, et al. **Ann Med Interne (Paris)** 1991;142(2):103–8 (84 ref.) **(Fre)**
[Occupational respiratory diseases. Diagnosis and recovery] Bignon J, et al. **Rev Mal Respir** 1990;7 Suppl 2:R67–186 (0 ref.) **(Fre)**

CHEMICALLY INDUCED

Medical defense against blistering chemical warfare agents. Smith WJ, et al. **Arch Dermatol** 1991 Aug;127(8):1207–13 (60 ref.)
Ambient air pollution and respiratory disease. Abramson M, et al. **Med J Aust** 1991 Apr 15;154(8):543–53 (123 ref.)
[The joint effects of various atmospheric pollutants: a meta-analysis] Zmirou D, et al. **Rev Epidemiol Sante Publique** 1991;39(1):101–10 (62 ref.) (Eng. Abstr.) **(Fre)**
[Effect of atmospheric pollution on health of the population and immunologic reactivity (review of the literature)] Ustinenko AN, et al. **Gig Sanit** 1990 Aug;(8):11–5 (70 ref.) **(Rus)**

COMPLICATIONS

Otitis media: the pathogenesis approach. Assessment and treatment of associated upper respiratory tract pathology. Sismanis A. **Otolaryngol Clin North Am** 1991 Aug; 24(4):947–55 (62 ref.)

DIAGNOSIS

The role of leukotriene antagonists and inhibitors in the treatment of airway disease. Busse WW, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 2):S103–7 (45 ref.)
Respiratory emergencies in children. Saipe C. **Pediatr Ann** 1990 Nov;19(11):637–42, 645–6 (15 ref.)
[Tuberculosis of the upper digestive and respiratory tract] Ennouri A, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990; 111(3):217–20 (24 ref.) (Eng. Abstr.) **(Fre)**
[Amyloidosis of the respiratory tract] Kanoh T. **Nippon Rinsho** 1991 Apr;49(4):847–52 (26 ref.) **(Jpn)**

DRUG THERAPY

Optimizing drug delivery from metered-dose inhalers. Whelan AM, et al. **DICP** 1991 Jun;25(6):638–45 (94 ref.)
Inhaled therapy in paediatrics. Sly PD, et al. **J Paediatr Child Health** 1991 Feb;27(1):7–10 (30 ref.)
Inhaled respiratory medications and the use of chlorofluorocarbons (CFCs). Thoracic Society of Australia and New Zealand. Pierce RJ, et al. **Med J Aust** 1991 May 20;154(10):701–4 (6 ref.)
[Respiratory stimulants] van Klaveren RJ, et al. **Ned Tijdschr Geneeskd** 1991 Mar 16;135(11):452–5 (39 ref.) **(Dut)**

EPIDEMIOLOGY

Epidemiology of obstruction, exacerbations and hyperreactivity. Effects of glucocorticosteroids and other anti-inflammatory treatment. Pride NB. **Agents Actions Suppl** 1990;30:59–72 (19 ref.)

ETIOLOGY

Pulmonary considerations of organ transplantation. Part 2. Ettinger NA, et al. **Am Rev Respir Dis** 1991 Jul; 144(1):213–23 (331 ref.)
Respiratory effects of pollution. Philip-Joet F. **Biomed Pharmacother** 1990;44(9):443–6 (29 ref.)
The relationship between gastroesophageal reflux and chronic respiratory diseases. de Blic J, et al. **Clin Rev Allergy** 1990 Winter;8(4):427–41 (69 ref.)
Gastroesophageal reflux and chronic respiratory disease in adults. Influence and results of surgical therapy. Perrin-Fayolle M. **Clin Rev Allergy** 1990 Winter; 8(4):457–69 (93 ref.)
Human epidemiology: a review of fiber type and characteristics in the development of malignant and nonmalignant disease. Merchant JA. **Environ Health Perspect** 1990 Aug;88:287–93 (49 ref.)
Gastroesophageal reflux and diseases of the respiratory tract: a review. Mansfield LE. **J Asthma** 1989;26(5):271–8 (68 ref.)
[Health problems among persons exposed to grain dust] Poulsen KB, et al. **Ugeskr Laeger** 1991 Jul 8; 153(28):1986–90 (30 ref.) (Eng. Abstr.) **(Dan)**
[Pleuropulmonary manifestations of rheumatoid arthritis] Gayraud M, et al. **Ann Med Interne (Paris)** 1990; 141(5):437–46 (139 ref.) **(Fre)**
[Passive smoking] Zellweger JP. **Schweiz Rundsch Med Prax** 1991 Apr 30;80(18):492–5 (25 ref.) (Eng. Abstr.) **(Fre)**
[Interrelations between functional changes and health status and climatic factors of Extreme North (review)] Dedenko II, et al. **Gig Sanit** 1990 Jul;(7):4–9 (58 ref.) **(Rus)**
[The development of the concepts of nonspecific diseases of the respiratory organs and patient rehabilitation problems] Zadorozhnaia TA. **Vrach Delo** 1991 Apr;(4):9–13 (45 ref.) **(Rus)**

METABOLISM

The effect of respiratory disorders on clinical pharmacokinetic variables. Taburet AM, et al. **Clin Pharmacokinet** 1990 Dec;19(6):462–90 (228 ref.)
[Clinical importance of lipid peroxidation] Plukhnikov MS, et al. **Vestn Otorinolaringol** 1991 May–Jun;(3):88–91 (90 ref.) **(Rus)**

NURSING

Research priorities in respiratory nursing. This official statement of the American Thoracic Society was adopted by the ATS Board of Directors, June 1990 [published erratum appears in Am Rev Respir Dis 1991 Feb;143(2):451] **Am Rev Respir Dis** 1990 Dec;142(6 Pt 1):1459–64 (158 ref.)

PATHOLOGY

Sputum cell counts in airway disease: a useful sampling technique. Gibson PG, et al. **Agents Actions Suppl** 1990; 30:161–72 (16 ref.)
Exudative indices in airways inflammation. Persson CG. **Agents Actions Suppl** 1990;30:243–55 (26 ref.)
The carotid bodies in chronic respiratory disease [comment] Heath D. **Histopathology** 1991 Mar;18(3):281–3 (23 ref.) Comment on: Histopathology 1991 Mar;18(3):195–200.

PHYSIOPATHOLOGY

The role of measurements of airway responsiveness. Hargreave FE, et al. **Agents Actions Suppl** 1990;30:35–40 (16 ref.)
The measuring of "respiratory-membrane permeability" and local production of immunoglobulins and antibodies by means of an analysis of sputum. van de Graaf EA, et al. **Agents Actions Suppl** 1990;30:257–67 (27 ref.)
Neutral endopeptidase modulation of neurogenic inflammation in airways. Nadel JA. **Eur Respir J Suppl** 1990 Dec;12:645s–651s (38 ref.)
[Cough—physiologic reflex and symptom of illness] Barthel E. **Z Arztl Fortbild (Jena)** 1990;84(14):699–704 (53 ref.) **(Ger)**

THERAPY

[Treatment of respiratory and ORL diseases with mineral waters in children] Fauquert JL, et al. **Pediatrie** 1990; 45(11):769–74 (34 ref.) (Eng. Abstr.) **(Fre)**
[New clinico-therapeutic directions in upper airway pathology] Battistini A, et al. **Pediatr Med Chir** 1990 Jul–Aug;12(4):313–22 (43 ref.) (Eng. Abstr.) **(Ita)**

VETERINARY

Clinical examination of the respiratory system. Hinchcliff KW, et al. **Vet Clin North Am Equine Pract** 1991 Apr; 7(1):1–26 (79 ref.)
Additional diagnostic procedures. Reed SM, et al. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):197–9 (7 ref.)
Application of lasers in equine upper respiratory surgery. Tate LP. **Vet Clin North Am Equine Pract** 1991 Apr; 7(1):165–95 (35 ref.)
Tracheobronchoscopy. Roudebush P. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1297–314 (32 ref.)
[Gyrase inhibitors, a new class of therapeutic drugs] Petzinger E. **Tierarztl Prax** 1991 Feb;19(1):14–20 (29 ref.) (Eng. Abstr.) **(Ger)**

RESPIRATORY TRACT INFECTIONS

Cold comfort for the catarrhal child. Isaacs D. **Arch Dis Child** 1990 Dec;65(12):1295–6 (25 ref.)
Upper respiratory tract infections. Rabinowitz HK. **Prim Care** 1990 Dec;17(4):793–809 (52 ref.)
[Diagnosis and treatment of severe respiratory infections] Torres A, et al. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:1–7 (36 ref.) **(Spa)**

COMPLICATIONS

Human infections associated with Bordetella bronchiseptica. Woolfrey BF, et al. **Clin Microbiol Rev** 1991 Jul;4(3):243–55 (171 ref.)
Psittacosis: a clinical review. Crosse BA. **J Infect** 1990 Nov; 21(3):251–9 (23 ref.)
Paranasal sinusitis. Geriatric considerations. McMahan JT. **Otolaryngol Clin North Am** 1990 Dec;23(6):1169–77 (27 ref.)
Viruses in acute otitis media: increasing evidence for clinical significance. Ruuskanen O, et al. **Pediatr Infect Dis J** 1991 Jun;10(6):425–7 (24 ref.)
Bacterial tracheitis: report of eight new cases and review. Donnelly BW, et al. **Rev Infect Dis** 1990 Sep–Oct; 12(5):729–35 (42 ref.)
Nutritional effects on response of children in developing countries to respiratory tract pathogens: implications for vaccine development. Keusch GT. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S486–91 (54 ref.)
Cystic fibrosis. 1. Pseudomonas aeruginosa infection in cystic fibrosis and its management. Høiby N, et al. **Thorax** 1990 Nov;45(11):881–4 (43 ref.)
[Respiratory tract infection and acute deterioration of obstructive lung disease] Clementsen PS, et al. **Ugeskr Laeger** 1991 May 6;153(19):1336–9 (30 ref.) (Eng. Abstr.) **(Dan)**
[The role of respiratory viral infection in the formation of bronchial hyperreactivity] Soldatov DG. **Ter Arkh** 1990; 62(8):145–50 (80 ref.) **(Rus)**

DIAGNOSIS

Pulmonary complications in patients with the acquired immunodeficiency syndrome: diagnostic methods. Sittler SY, et al. **Prog AIDS Pathol** 1990;2:73–87 (61 ref.)
Laboratory diagnosis of Legionella infections. Kähler R. **Z Erkr Atmungsorgane** 1991;176(2–3):148–54 (6 ref.)

DRUG THERAPY

Bacteria causing respiratory infections in children and their sensitivity to antibiotics. Stančic MA. **Acta Med Austriaca** 1990;17(4):82–4 (20 ref.)
Failure of infection control in intensive care units: can sucralfate improve the situation? Weinstein RA. **Am J Med** 1991 Aug 8;91(2A):132S–134S (15 ref.)
Continuous activity of significant antibiotics. Bergogne-Bérézin E. **Clin Ther** 1991 Jan–Feb;13(1):181–8 (32 ref.)
Respiratory tract infections: when is antibiotic therapy indicated? Lode H. **Clin Ther** 1991 Jan–Feb;13(1):149–56; discussion 148 (20 ref.)
Rational drug treatment of acute upper respiratory infections. Kumar L, et al. **Indian Pediatr** 1990 Apr;27(4):411–20 (48 ref.)
The role of antihistamines in upper respiratory tract infections. Welliver RC. **J Allergy Clin Immunol** 1990 Oct; 86(4 Pt 2):633–6; discussion 636–7 (16 ref.)
Cefpodoxime proxetil: dosage, efficacy and tolerance in adults suffering from respiratory tract infections. Safran C. **J Antimicrob Chemother** 1990 Dec;26 Suppl E:93–101 (17 ref.)
Respiratory infections and antimicrobial therapy. Saunders WH. **Otolaryngol Clin North Am** 1970 Jun;3(2):303–17 (65 ref.)
TWAR and changing respiratory infections. Ridgway G. **Practitioner** 1990 Aug;234(1493):790–2 (7 ref.)
[Randomized therapeutic trials of community-acquired lung diseases. Analysis of studies published between 1978 and 1988] Vercken JB. **Rev Pneumol Clin** 1991;47(1):21–7 (38 ref.) (Eng. Abstr.) **(Fre)**
[Current trends in the therapy of respiratory tract infections] Lode H. **Med Klin** 1990 Nov 15;85(11):661–4 (18 ref.) **(Ger)**
[Antibiotic inhalation in cystic fibrosis. A review of the literature] Steinkamp G. **Monatsschr Kinderheilkd** 1991 Feb;139(2):73–80 (32 ref.) (Eng. Abstr.) **(Ger)**
[Current treatment of bronchopulmonary infections] Durigato S, et al. **G Clin Med** 1990 Jun–Jul;71(6–7):455–62 (41 ref.) **(Ita)**
[Intractable airway infections and its management] Soejima R. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):453–7 (10 ref.) **(Jpn)**
[Reye's syndrome in children (review of the literature)] Badalian LO, et al. **Zh Nevropatol Psikhiatr** 1990; 90(8):109–13 (98 ref.) **(Rus)**
[The use of antibiotics in pathology of the lower respiratory tract, lung and pleura] Moreno Martín J. **An Esp Pediatr** 1989 Sep;31 Suppl 38:68–78 (40 ref.) **(Spa)**
[The use of antibiotics in pathology of the upper airways] Navarro González J, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 38:94–102 (50 ref.) **(Spa)**

EPIDEMIOLOGY

Planning and analysis of evaluations of health case interventions in developing countries. Steinhoff MC. **Bull Int Union Tuberc Lung Dis** 1990 Dec;65(4):19–22 (25 ref.)
The epidemiology of acute respiratory infections in children and adults: a global perspective. Graham NM. **Epidemiol Rev** 1990;12:149–78 (270 ref.)
Epidemiological features and chemotherapy of community-acquired respiratory tract infections. Finch RG. **J Antimicrob Chemother** 1990 Dec;26 Suppl E:53–61 (35 ref.)
Epidemiology of acute respiratory infections in children of developing countries. Berman S. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S454–62 (55 ref.)
Epidemiological and clinical aspects on infections due to Chlamydia pneumoniae (strain TWAR). Persson K. **Scand J Infect Dis Suppl** 1990;69:63–7 (21 ref.)
Community-acquired pulmonary infections in a public municipal hospital in the 1980s. Carpenter JL, et al. **South Med J** 1991 Mar;84(3):299–306 (52 ref.)
[Incidence of nosocomial respiratory tract diseases in intensive care units] Papazian L, et al. **Agressologie** 1990; 31(8 Spec No):541–2 (13 ref.) (Eng. Abstr.) **(Fre)**
[Incidence and kinds of mycotic infections in the mouth cavity, throat, nasal cavity, maxillary sinus, larynx and ear] Kurnatowski P. **Otolaryngol Pol** 1990;44(1):49–56 (31 ref.) (Eng. Abstr.) **(Pol)**

ETIOLOGY

[Forms of care and children's infections. 1. Occurrence and causal factors] Uldall P. **Ugeskr Laeger** 1990 Aug 13; 152(33):2345–8 (30 ref.) (Eng. Abstr.) **(Dan)**
[Clinical management by the respiratory physician of patients with HIV infections] Dautzenberg B, et al. **Rev Mal Respir** 1990;7(6):505–15 (40 ref.) (Eng. Abstr.) **(Fre)**
[Respiratory risk of general surgery in adults] Cohendy R, et al. **Rev Pneumol Clin** 1991;47(1):10–20 (102 ref.) (Eng. Abstr.) **(Fre)**
[New etiological aspects of respiratory infections] Corretger JM. **An Esp Pediatr** 1989 Sep;31 Suppl 38:11–4 (30 ref.) **(Spa)**

IMMUNOLOGY

Cytokine synergy with viral cytopathic effects and bacterial products during the pathogenesis of respiratory tract infection. Bielefeldt Ohmann H, et al. **Clin Immunol Immunopathol** 1991 Aug;60(2):153–70 (149 ref.)
Pathogenesis and sequelae of respiratory infections. Busse WW. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S477–85 (49 ref.)

METABOLISM

Ofloxacin concentrations in tissues involved in respiratory tract infections. Perea EJ. **J Antimicrob Chemother** 1990 Nov;26 Suppl D:55–60 (21 ref.)

MICROBIOLOGY

Culture vs direct antigen assays for detection of microbial pathogens from lower respiratory tract specimens suspected of containing the respiratory syncytial virus. Kellogg JA. **Arch Pathol Lab Med** 1991 May;115(5):451–8 (134 ref.)
Microbiology of airway disease in patients with cystic fibrosis. Gilligan PH. **Clin Microbiol Rev** 1991 Jan; 4(1):35–51 (213 ref.)
Infection v. colonisation. Geddes DM. **Intensive Care Med** 1990;16 Suppl 3:S201–5 (12 ref.)
Diagnosis and antibiotic treatment of community-acquired pneumonia. Rodnick JE, et al. **West J Med** 1991 Apr; 154(4):405–9 (22 ref.)
[Branhamella catarrhalis: its respiratory pathogenicity in childhood] Moreno Galdo A, et al. **An Esp Pediatr** 1990 Aug;33(2):135–9 (26 ref.) (Eng. Abstr.) **(Spa)**

MORTALITY

Acute respiratory infections in children: future directions and priorities in research. Miller DL. **Bull Int Union Tuberc Lung Dis** 1990 Dec;65(4):12–8 (49 ref.)

PHYSIOPATHOLOGY

How many infections and what kind are abnormal in children? Warner JO. **Allergy Proc** 1991 Jan–Feb;12(1):21–3 (13 ref.)
Host–pathogen relationships in respiratory tract infections. Verhoef J. **Clin Ther** 1991 Jan–Feb;13(1):172–80 (52 ref.)
The ultrastructure and permeability of tracheobronchial blood vessels in health and disease. McDonald DM. **Eur Respir J Suppl** 1990 Dec;12:572s–585s (103 ref.)
Abnormalities in neural control of smooth muscle in virus-infected airways. Jacoby DB, et al. **Trends Pharmacol Sci** 1990 Oct;11(10):393–5 (21 ref.)
[Asthma and infection: interrelations] Gormand F, et al. **Rev Mal Respir** 1991;8(3):269–76 (74 ref.) (Eng. Abstr.) **(Fre)**
[Virus infections and obstructive respiratory tract diseases] Werchau H. **Verh Dtsch Ges Inn Med** 1990;96:36–45 (65 ref.) **(Ger)**

PREVENTION & CONTROL

Control of acute lower respiratory illness in the developing world: an assessment of vaccine intervention. Karzon DT. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S571–7 (71 ref.)
Prevention of infections of the respiratory tract using the oral application of antigens. Tischner H. **Z Erkr Atmungsorgane** 1991;176(2–3):131–7 (48 ref.)

THERAPY

Humidifiers and other symptomatic therapy for children with respiratory tract infections. Szilagyi PG. **Pediatr Infect Dis J** 1991 Jun;10(6):478–9 (13 ref.)

TRANSMISSION

Perinatal transmission of human papillomavirus. Fletcher JL Jr. **Am Fam Physician** 1991 Jan;43(1):143–8 (28 ref.)
The origin of major human infections and the crucial role of person-to-person spread. Mims CA. **Epidemiol Infect** 1991 Jun;106(3):423–33 (22 ref.)

VETERINARY

Viral respiratory disease of the horse. Powell DG. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):27–52 (53 ref.)

RESPIRATORY TRACT NEOPLASMS

MICROBIOLOGY

Human papillomaviruses and upper airway oncogenesis. Steinberg BM. **Am J Otolaryngol** 1990 Nov–Dec; 11(6):370–4 (34 ref.)

PATHOLOGY

Primary malignant melanoma of the lower respiratory tract. Report of a case and literature review. Jennings TA, et al. **Am J Clin Pathol** 1990 Nov;94(5):649–55 (41 ref.)
[Papillomatosis between remission and malignant transformation--case reports and review of papillomatous tumors of the lower respiratory tract] Dobbertin I, et al. **Pneumologie** 1990 Sep;44(9):1086–105 (111 ref.) **(Ger)**

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the lower respiratory tract and pleura in the rat. Mohr U, et al. **IARC Sci Publ** 1990;(99):275–99 (112 ref.)

RESPONSE, ACUTE PHASE see **ACUTE PHASE REACTION**

RESPONSE LATENCY see **REACTION TIME**

RESPONSE TIME see **REACTION TIME**

RESPONSIBILITY, SOCIAL see **SOCIAL RESPONSIBILITY**

REST

see related
BED REST

REST VERTICAL DIMENSION see **VERTICAL DIMENSION**

RESTAURANTS

Position of the American Dietetic Association: nutrition in foodservice establishments. **J Am Diet Assoc** 1991 Apr; 91(4):480–2 (18 ref.)

RESTING PHASE see **INTERPHASE**

RESTING POTENTIALS see **MEMBRANE POTENTIALS**

RESTLESS LEGS

The "restless legs" syndrome [see comments] Joffe R. **Med J Aust** 1991 Apr 15;154(8):532–3 (6 ref.) Comment in: Med J Aust 1991 Jun 3;154(11):783.

DIAGNOSIS

Review and videotape recognition of idiopathic restless legs syndrome. Walters AS, et al. **Mov Disord** 1991;6(2):105–10 (39 ref.)

THERAPY

Treatment of nocturnal leg cramps and restless leg syndrome. Walton T, et al. **Clin Pharm** 1991 Jun;10(6):427–8 (17 ref.)

RESTLESSNESS see **PSYCHOMOTOR AGITATION**

RESTRAINT, PHYSICAL

see related
IMMOBILIZATION
PROTECTIVE DEVICES

Restraint is needed in our use of patient restraints. Emil S. **Can Med Assoc J** 1990 Dec 1;143(11):1221–5 (10 ref.)

METHODS

How therapeutic is therapeutic holding? Wong SE, et al. **J Psychosoc Nurs Ment Health Serv** 1990 Nov;28(11):24–8 (17 ref.)

PSYCHOLOGY

Self-restraint: a review of etiology and applications in mentally retarded adults with self-injury. Isley EM, et al. **Res Dev Disabil** 1991;12(1):87–95 (12 ref.)

RESTRICTION ENDONUCLEASES see **DNA RESTRICTION ENZYMES**

RESTRICTION ENDONUCLEASES, TYPE II see **DEOXYRIBONUCLEASES, TYPE II SITE-SPECIFIC**

RESTRICTION FRAGMENT LENGTH POLYMORPHISMS

Beta S-gene-cluster haplotypes in sickle cell anemia: clinical implications. Powars DR, et al. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):367–74 (37 ref.)
Applications of restriction fragment length polymorphism. Narayanan S. **Ann Clin Lab Sci** 1991 Jul–Aug;21(4):291–6 (18 ref.)
Report of the committee on human mitochondrial DNA. Wallace DC. **Cytogenet Cell Genet** 1990;55(1–4):395–405 (70 ref.)
Generation of variability at VNTR loci in human DNA. Wolff R, et al. **Experientia Suppl** 1991;58:20–38 (33 ref.)
The analysis of restriction fragment length polymorphism in human cancer: a review from an epidemiological

perspective. Vineis P, et al. **Int J Cancer** 1991 Jan 2; 47(1):26–30 (29 ref.)

A mammalian mutation system avoiding phenotypic selection: the RFLP/PCR approach. Zijlstra J, et al. **Prog Clin Biol Res** 1990;347:187–200 (40 ref.)

DNA technology: the fourth generation in parentage testing [editorial] Walker RH, et al. **Transfusion** 1991 Jun; 31(5):383–5 (42 ref.)

[Application of DNA recombination technique to parasitological research] Li BW, et al. **Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1990;8(3):223–6 (29 ref.) **(Chi)**

[Class II HLA typing based on the restriction fragment length polymorphisms of DNA] Aldaccak R, et al. **Rev Fr Transfus Hemobiol** 1990 Jun;33(3):175–201 (35 ref.) **(Fre)**

[DNA diagnosis in veterinary medicine: I. DNA fingerprinting] Schelling CP, et al. **Schweiz Arch Tierheilkd** 1991;133(1):13–22 (80 ref.) (Eng. Abstr.) **(Ger)**

RESTRICTION MAPPING

Report of the committee on human mitochondrial DNA. Wallace DC. **Cytogenet Cell Genet** 1990;55(1–4):395–405 (70 ref.)

RESTRICTION-MODIFICATION SYSTEMS see **DNA RESTRICTION-MODIFICATION ENZYMES**

RESUSCITATION

Hemorrhage and resuscitation: immunological aspects [editorial] Chaudry IH, et al. **Am J Physiol** 1990 Oct;259(4 Pt 2):R663–78 (189 ref.)

Resuscitation of patients with metastatic cancer. Is transient benefit still futile? Faber-Langendoen K. **Arch Intern Med** 1991 Feb;151(2):235–9 (33 ref.)

Fluids for resuscitation. Vincent JL. **Br J Anaesth** 1991 Aug; 67(2):185–93 (73 ref.)

Recommended guidelines for uniform reporting of data on out-of-hospital cardiac arrests: the "Utstein style" [editorial] Swanson RW. **Can Med Assoc J** 1991 Sep 1; 145(5):407–10 (0 ref.)

Resuscitation. Sutcliffe AJ. **Injury** 1990 Sep;21(5):317–20 (32 ref.)

Establishing a neonatal resuscitation team in community hospitals. Bailey C, et al. **J Perinatol** 1990 Sep; 10(3):294–300 (18 ref.)

Cardiopulmonary resuscitation: a panacea or an ethical decision? Discussion paper. Westwood DM, et al. **J R Soc Med** 1990 Nov;83(11):713–4 (3 ref.)

Cardiopulmonary resuscitation of the newborn. Sinkin RA, et al. **Pediatr Rev** 1990 Nov;12(5):136–41 (10 ref.)

Resuscitation. Revival should be the first priority. Livingston EH, et al. **Postgrad Med** 1991 Jan;89(1):117–20, 122 (4 ref.)

[Current perspectives in the diagnosis and treatment of acidosis in resuscitation] Koster RW, et al. **Ned Tijdschr Geneeskd** 1990 Nov 10;134(45):2175–8 (20 ref.) **(Dut)**

[Psychiatric disorders in resuscitation units] Perla E. **Agressologie** 1991;32(2):103–13 (44 ref.) (Eng. Abstr.) **(Fre)**

[The physiopathology and medical treatment of acute traumatic occlusion of the popliteal artery. The point of view of the anesthesiologist-resuscitator] Granry JC, et al. **Cah Anesthesiol** 1990 May-Jun;38(3):149–53 (22 ref.) (Eng. Abstr.) **(Fre)**

[A difficult therapeutic dilemma: pneumoperitoneum in severe blunt injuries treated by respiratory or cardiorespiratory resuscitation] Vu NH, et al. **J Chir (Paris)** 1991 May;128(5):235–9 (24 ref.) (Eng. Abstr.) **(Fre)**

[The current status of cerebral resuscitation] Zander J. **Anasthesiol Intensivmed Notfallmed Schmerzther** 1991 May; 26(3):126–31 (69 ref.) **(Ger)**

[Diagnosis of fetal asphyxia and methods for intrauterine resuscitation] Huch R. **Klin Anasthesiol Intensivther** 1989; 37:150–60 (23 ref.) **(Ger)**

[Resuscitation of newborns] Simbruner G, et al. **Klin Anasthesiol Intensivther** 1989;37:164–75 (13 ref.) **(Ger)**

[Cardiopulmonary resuscitation: acid–base alterations and alkalizing therapy] Gazmuri RJ, et al. **Rev Med Chil** 1989 Mar;117(3):322–9 (40 ref.) (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Potential for injury: trauma after cardiopulmonary resuscitation. Sommers MS. **Heart Lung** 1991 May; 20(3):287–93 (33 ref.)

Mallory-Weiss syndrome after cardiopulmonary resuscitation. Norfleet RG, et al. **J Clin Gastroenterol** 1990 Oct;12(5):569–72 (21 ref.)

Traumatic rupture of the stomach after Heimlich maneuver. van der Ham AC, et al. **J Emerg Med** 1990 Nov-Dec; 8(6):713–5 (23 ref.)

[Neurologic aspects of resuscitation] Negovskiĭ VA. **Anesteziol Reanimatol** 1990 Jul-Aug;(4):3–6 (0 ref.) **(Rus)**

EDUCATION

The problem of poor retention of cardiopulmonary resuscitation skills may lie with the instructor, not the learner or the curriculum. Kaye W, et al. **Resuscitation** 1991 Feb;21(1):67–87 (61 ref.)

METHODS

Cardiopulmonary-cerebral resuscitation: advanced and prolonged life support with emergency cardiopulmonary bypass. Tisherman SA, et al. **Acta Anaesthesiol Scand Suppl** 1990;94:63–72 (110 ref.)

New developments in cardiopulmonary resuscitation. Grauer K, et al. **Am Fam Physician** 1991 Mar;43(3):832–44 (35 ref.)

Pediatric Advanced Life Support: Part II. Fluid therapy, medications and dysrhythmias. Rockney RM, et al. **Am Fam Physician** 1991 May;43(5):1712–20 (22 ref.)

Pediatric advanced life support: Part I. Airway, circulation and intravascular access. Rockney RM, et al. **Am Fam Physician** 1991 Apr;43(4):1223–30 (21 ref.)

Resuscitation of the newborn. Milner AD. **Arch Dis Child** 1991 Jan;66(1 Spec No):66–9 (29 ref.)

Fetal monitoring and neonatal resuscitation: what the anaesthetist should know. Guay J. **Can J Anaesth** 1991 May;38(4 Pt 2):R74–88 (95 ref.) **(Eng, Fre)**

Colloids versus crystalloids in fluid resuscitation: an analysis of randomized controlled trials [see comments] Bisonni RS, et al. **J Fam Pract** 1991 Apr;32(4):387–90 (33 ref.) Comment in: J Fam Pract 1991 Jul;33(1):15.

Emergency resuscitation in children. The role of intraosseous infusion. Driggers DA, et al. **Postgrad Med** 1991 Mar; 89(4):129–32 (9 ref.)

Direct mechanical ventricular actuation: a review. Anstadt MP, et al. **Resuscitation** 1991 Feb;21(1):7–23 (69 ref.)

Bystander CPR: a review. Hoekstra J. **Resuscitation** 1990 Oct;20(2):97–113 (69 ref.)

[Anesthesia and intensive care for heart-lung transplantation] Lafont D, et al. **Ann Fr Anesth Reanim** 1991;10(2):137–50 (82 ref.) (Eng. Abstr.) **(Fre)**

[Characteristics of cardiopulmonary resuscitation in pregnant women] Mauer D, et al. **Anaesthesist** 1990 Aug;39(8):393–7 (37 ref.) (Eng. Abstr.) **(Ger)**

[Cardiopulmonary resuscitation: from the sixties to the eighties] Bar-Joseph G. **Harefuah** 1990 Dec 2; 119(11):378–84 (68 ref.) **(Heb)**

[The outlook for the use of pulse oximetry in anesthesiology and resuscitation] Buniatian AA, et al. **Anesteziol Reanimatol** 1991 Jan-Feb;(1):3–7 (56 ref.) **(Rus)**

STANDARDS

Foregoing prehospital care: should ambulance staff always resuscitate? [see comments] Iserson KV. **J Med Ethics** 1991 Mar;17(1):19–24 (32 ref.) Comment in: J Med Ethics 1991 Mar;17(1):3–4.

TRENDS

Update on trauma care in Canada. 4. Resuscitation through the three phases of hemorrhagic shock after trauma. Lucas CE. **Can J Surg** 1990 Dec;33(6):451–6 (17 ref.)

Update on trauma care in Canada. 5. Trauma and hypothermia. McCallum AL. **Can J Surg** 1990 Dec; 33(6):457–60 (27 ref.)

RESUSCITATION DECISIONS see **RESUSCITATION ORDERS**

RESUSCITATION ORDERS

Elective use of life-sustaining treatments in internal medicine. Singer PA, et al. **Adv Intern Med** 1991;36:57–79 (84 ref.)

The do-not-resuscitate order. Ethical and legal imperative or medical decision? Snider GL. **Am Rev Respir Dis** 1991 Mar;143(3):665–74 (76 ref.)

The do-not-resuscitate decision as an advance rather than terminal decision. Keffer MJ, et al. **Indiana Med** 1991 Jan; 84(1):22–4 (25 ref.)

Foregoing prehospital care: should ambulance staff always resuscitate? [see comments] Iserson KV. **J Med Ethics** 1991 Mar;17(1):19–24 (32 ref.) Comment in: J Med Ethics 1991 Mar;17(1):3–4.

RETENTION (PSYCHOLOGY)

Implicit memory. Retention without remembering. Roediger HL 3d. **Am Psychol** 1990 Sep;45(9):1043–56 (105 ref.)

Memory and aging: four hypotheses in search of data. Light LL. **Annu Rev Psychol** 1991;42:333–76 (315 ref.)

Odor memory: taking stock. Schab FR. **Psychol Bull** 1991 Mar;109(2):242–51 (85 ref.)

The representational bias of acquired memory processes. Herrmann DJ. **Z Psychol** 1990;198(2):265–81 (110 ref.)

RETICULAR FORMATION

ANATOMY & HISTOLOGY

Neuroanatomy of the oculomotor system. The reticular formation. Büttner-Ennever JA, et al. **Rev Oculomot Res** 1988;2:119–76 (391 ref.)

GROWTH & DEVELOPMENT

Early development of the rat precerebellar system: migratory routes, selective aggregation and neuritic differentiation of the inferior olive and lateral reticular nucleus neurons. An overview. Bourrat F, et al. **Arch Ital Biol** 1990 Jul; 128(2–4):151–70 (43 ref.)

PHYSIOLOGY

The interstitial nucleus of Cajal in the midbrain reticular formation and vertical eye movement. Fukushima K. **Neurosci Res** 1991 Apr;10(3):159–87 (125 ref.)

PHYSIOPATHOLOGY

Current evaluation of the concepts of centrencephalic and cortico-reticular seizures [editorial] Jasper HH. **Electroencephalogr Clin Neurophysiol** 1991 Jan;78(1):2–11 (64 ref.)

RETICULOCYTES

PARASITOLOGY

Preferential invasion of malarial merozoites into young red blood cells [see comments] Mons B. **Blood Cells** 1990; 16(2–3):299–312 (42 ref.) Comment in: Blood Cells 1990;16(2–3):313–8.

PHYSIOLOGY

Applications of integrated cell models: novel predictions on the behaviour of red cells and reticulocytes. Lew VL, et al. **Biomed Biochim Acta** 1990;49(8–9):737–41 (23 ref.)

RETICULOENDOTHELIAL SYSTEM

see related
HISTIOCYTES
KUPFFER CELLS
MACROPHAGES
PHAGOCYTES

PHYSIOLOGY

The lymphatics and lymphoreticular tissues in relation to the action of sex hormones. Kotani M. **Arch Histol Cytol** 1990; 53 Suppl:1–76 (367 ref.)

RETICULOENDOTHELIOSIS

ETIOLOGY

Familial erythrophagocytic lymphohistiocytosis. Loy TS, et al. **Semin Oncol** 1991 Feb;18(1):34–8 (47 ref.)

RETICULOENDOTHELIOSIS, LEUKEMIC see **LEUKEMIA, HAIRY CELL**

RETICULOHISTIOCYTOMA see **HISTIOCYTOSIS, NON-LANGERHANS-CELL**

RETICULOLYMPHOSARCOMA see **LYMPHOMA**

RETICULOSIS, HISTIOCYTIC MEDULLARY see **HISTIOCYTOSIS, MALIGNANT**

RETICULUM-CELL SARCOMA see **LYMPHOMA, LARGE-CELL**

RETINA

see related
ANGIOID STREAKS
ELECTRORETINOGRAPHY

ABNORMALITIES

[Chorioretinal coloboma and neovascular membrane] Rouland JF, et al. **Bull Soc Ophtalmol Fr** 1990 Jun-Jul; 90(6–7):643–4 (3 ref.) (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Extracellular modulating factors and the control of intraocular neovascularization: an overview. Glaser BM. **J Diabetic Complications** 1990 Jul-Sep;4(3):108–12 (42 ref.)

Centrifugal pathways to the retina: influence of the optic tectum [see comments] Uchiyama H. **Vis Neurosci** 1989 Sep;3(3):183–206 (212 ref.) Comment in: Vis Neurosci 1990 May;4(5):493–5.

[Retino-hypothalamic pathways in vertebrates] Tilgner S, et al. **Klin Monatsbl Augenheilkd** 1990 Oct;197(4):295–301 (131 ref.) (Eng. Abstr.) **(Ger)**

CHEMISTRY

Spatial distribution of taurine in the teleost retina and its role in retinal tissue regeneration. Lima L, et al. **Prog Clin Biol Res** 1990;351:103–12 (34 ref.)

[In situ hybridization on tissue section: a new method for studying the amacrine cells of the retina and the centers of the visual system] Abitbol M, et al. **Ophtalmologie** 1990 Jan-Feb;4(1):43–7 (25 ref.) (Eng. Abstr.) **(Fre)**

CYTOLOGY

Membrane currents and pharmacology of retinal bipolar cells: a comparative study on goldfish and mouse. Kaneko A, et al. **Comp Biochem Physiol [C]** 1991;98(1):115–27 (35 ref.)

Neuropharmacological analysis of the role of indoleamine-accumulating amacrine cells in the rabbit retina. Brunken WJ, et al. **Vis Neurosci** 1988;1(3):275–85 (48 ref.)
[In situ hybridization on tissue section: a new method for studying the amacrine cells of the retina and the centers of the visual system] Abitbol M, et al. **Ophtalmologie** 1990 Jan–Feb;4(1):43–7 (25 ref.) (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Cell recognition and pattern formation in the developing nervous system. Trisler D. **J Exp Biol** 1990 Oct;153:11–27 (42 ref.)

GROWTH & DEVELOPMENT

Dynamics of axonal growth and the formation of orderly nerve connections in the fish retinotectal system. Stuermer CA. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):165–82 (32 ref.)

METABOLISM

Membrane phospholipids as an energy source in the operation of the visual cycle. Rando RR. **Biochemistry** 1991 Jan 22; 30(3):595–602 (40 ref.)
Retinal dopamine D1 and D2 receptors: characterization by binding or pharmacological studies and physiological functions. Schorderet M, et al. **Cell Mol Neurobiol** 1990 Sep;10(3):303–25 (134 ref.)
Retinal melatonin and dopamine in seasonal affective disorder. Oren DA. **J Neural Transm Gen Sect** 1991; 83(1–2):85–95 (69 ref.)

PATHOLOGY

[Ocular findings in galactosialidosis] Usui T. **No To Shinkei** 1991 Mar;43(3):231–7 (40 ref.) **(Jpn)**

PHYSIOLOGY

Presynaptic receptors in the visual system. Dubocovich ML. **Ann N Y Acad Sci** 1990;604:82–95 (59 ref.)
Long-term potentiation during the activity-dependent sharpening of the retinotopic map in goldfish. Schmidt JT. **Ann N Y Acad Sci** 1991;627:10–25 (38 ref.)
Consequences for retinal growth when vision occurs in S2 space. Thor G, et al. **Biosystems** 1990;24(1):25–30 (11 ref.)
Pathways mediating resolution in the primate retina. Perry VH, et al. **Ciba Found Symp** 1990;155:5–14; discussion 14–21 (26 ref.)
Synaptic connections, receptive fields, and patterns of activity in the tiger salamander retina. A simulation of patterns of activity formed at each cellular level from photoreceptors to ganglion cells [the Friendenwald lecture] [published erratum appears in Invest Ophthalmol Vis Sci 1991 Jul;32(8):2440] Werblin F. **Invest Ophthalmol Vis Sci** 1991 Mar;32(3):459–83 (106 ref.)
In vitro experiments on axonal guidance and growth-cone collapse. Müller B, et al. **J Exp Biol** 1990 Oct;153:29–46 (24 ref.)
Development of the mammalian retinogeniculate pathway: target finding, transient synapses and binocular segregation. So KF, et al. **J Exp Biol** 1990 Oct;153:85–104 (69 ref.)
Target recognition and dynamics of axonal growth in the retinotectal system of fish. Stuermer CA. **Neurosci Res Suppl** 1990;13:S1–10 (37 ref.)
Stability of retinal correspondence in normal binocular vision. Wick B. **Optom Vis Sci** 1991 Feb;68(2):146–58 (95 ref.)
Functional architecture of the mammalian retina. Wässle H, et al. **Physiol Rev** 1991 Apr;71(2):447–80 (437 ref.)
Spatial distribution of taurine in the teleost retina and its role in retinal tissue regeneration. Lima L, et al. **Prog Clin Biol Res** 1990;351:103–12 (34 ref.)
The neurobiology of magnetic field detection in rodents. Olcese JM. **Prog Neurobiol** 1990;35(4):325–30 (47 ref.)
How do retinal axons find their targets in the developing brain? Hankin M, et al. **Trends Neurosci** 1991 Jun; 14(6):224–8 (74 ref.)
Cortical connections of MT in four species of primates: areal, modular, and retinotopic patterns. Krubitzer LA, et al. **Vis Neurosci** 1990 Aug;5(2):165–204 (147 ref.)
White-noise analysis in visual neuroscience. Sakai HM, et al. **Vis Neurosci** 1988;1(3):287–96 (46 ref.)
Retinal bipolar cells receive negative feedback input from GABAergic amacrine cells. Tachibana M, et al. **Vis Neurosci** 1988;1(3):297–305 (37 ref.)
[Melatonin in the retina of vertebrates] Zawilska J, et al. **Acta Physiol Pol** 1989;40 Suppl 33:28–96 (252 ref.) **(Pol)**

PHYSIOPATHOLOGY

Retinal influences on sclera underlie visual deprivation myopia. Wallman J. **Ciba Found Symp** 1990;155:126–34; discussion 135–41 (31 ref.)
Retinal image quality in albinos. A review. Abadi RV, et al. **Ophthalmic Paediatr Genet** 1990 Sep;11(3):171–6 (19 ref.)
[Predicting visual acuity in media opacities and uncorrectable refractive errors. Assessing so-called "retinal visual acuity"] Lachenmayr B. **Fortschr Ophthalmol** 1990;87 Suppl:S118–37 (184 ref.) (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

Light and the developing retina. Glass P. **Doc Ophthalmol** 1990 Mar;74(3):195–203 (31 ref.)
Screening for potential in vivo phototoxicity in the lens/retina. Roberts JE, et al. **Lens Eye Toxic Res** 1990; 7(3–4):655–66 (38 ref.)

SURGERY

Parasympathetic denervation of the ciliary muscle following retinal photocoagulation. Kaufman PL. **Trans Am Ophthalmol Soc** 1990;88:513–53 (75 ref.)
[Extrascleral use of balloons. I. Use of distensible balloons in vitreoretinal surgery (review of the literature)] Il'nitskiĭ VV, et al. **Vestn Oftalmol** 1990 Nov–Dec;106(6):70–6 (68 ref.) **(Rus)**

RETINAL see **RETINALDEHYDE**

RETINAL ARTERY OCCLUSION

DIAGNOSIS

The investigation of patients with retinal vascular occlusion. Graham EM. **Eye** 1990;4 (Pt 3):464–8 (25 ref.)

ETIOLOGY

Systemic associations of retinal arterial obstructive disease. Brown GC. **Int Ophthalmol Clin** 1991 Summer;31(3):1–14 (82 ref.)
Atherosclerotic carotid disease and the eye. Breen LA. **Neurol Clin** 1991 Feb;9(1):131–45 (77 ref.)
Purtscher's-like retinopathy after childbirth. Blodi BA, et al. **Ophthalmology** 1990 Dec;97(12):1654–9 (32 ref.)
[A case of post-traumatic occlusion of the central retinal artery] Bonnet S, et al. **Bull Soc Ophtalmol Fr** 1990 May; 90(5):537–42 (28 ref.) (Eng. Abstr.) **(Fre)**
[Ocular hypertonia disclosed by the association of central retinal vein and cilioretinal artery occlusions] Bordat B, et al. **Bull Soc Ophtalmol Fr** 1990 May;90(5):521–4 (10 ref.) **(Fre)**
[Periarteritis nodosa with heart valve disease disclosed by occlusion of the central artery of the retina] Laraki R, et al. **Rev Med Interne** 1989 Nov–Dec;10(6):570–4 (33 ref.) (Eng. Abstr.) **(Fre)**
[Circulatory disorders of the retina and optic nerve] Mehdorn E, et al. **Fortschr Ophthalmol** 1990;87 Suppl:S70–81 (183 ref.) (Eng. Abstr.) **(Ger)**

RETINAL BREAKS see **RETINAL PERFORATIONS**

RETINAL DEGENERATION

GENETICS

The Cohen syndrome: does mottled retina separate a Finnish and a Jewish type? Kondo I, et al. **Am J Med Genet** 1990 Sep;37(1):109–13 (23 ref.)
Studies leading to the isolation of a cDNA for the gene causing retinal degeneration in the rd mouse. Farber DB, et al. **Prog Clin Biol Res** 1991;362:67–86 (30 ref.)
Molecular characterization of the retinal degeneration slow (rds) mutation in mouse. Travis GH. **Prog Clin Biol Res** 1991;362:87–114 (32 ref.)

PATHOLOGY

[Degenerative lesions of the retinal periphery: when and how to treat?] Gribomont AC. **J Fr Ophtalmol** 1990; 13(6–7):373–8 (37 ref.) **(Fre)**

SURGERY

[Prevention of retinal detachment and treatment of retinoschisis] Messmer EP. **Fortschr Ophthalmol** 1990;87 Suppl:S62–9 (49 ref.) (Eng. Abstr.) **(Ger)**

RETINAL DETACHMENT

see related
SCLERAL BUCKLING

CHEMICALLY INDUCED

Miotics and retinal detachment: upgrading the community standard. Kraushar MF, et al. **Surv Ophthalmol** 1991 Jan–Feb;35(4):311–6 (18 ref.)

COMPLICATIONS

[Complicated cataract in associated with recent retinal detachment] Yoshioka H, et al. **Nippon Ganka Gakkai Zasshi** 1965 Jun;69(6):545–53 (18 ref.) (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Doyne Lecture. Pathogenesis of retinal pigment epithelial detachment in the elderly: the relevance of Bruch's membrane change. Bird AC. **Eye** 1991;5 (Pt 1):1–12 (106 ref.)
[Retinal detachment and pseudophakia. Personal experience and analysis of the literature] Fritsch D, et al. **Bull Soc Ophtalmol Fr** 1990 Mar;90(3):309–12 (7 ref.) **(Fre)**
[Bilateral serous detachment of neuroepithelium of the posterior pole disclosing acute leukemia] Riss JM, et al. **J Fr Ophtalmol** 1990;13(11–12):563–8 (29 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Subretinal membranes of proliferative vitreoretinopathy. Hiscott P, et al. **Br J Ophthalmol** 1991 Jan;75(1):53 (7 ref.)

SURGERY

Adhesives in retinal detachment surgery. Gilbert CE. **Br J Ophthalmol** 1991 May;75(5):309–10 (10 ref.)
Role of vitrectomy in the management of retinal detachments. Leaver PK. **J R Soc Med** 1990 Dec;83(12):779–83 (16 ref.)
The repair of rhegmatogenous retinal detachments. American Academy of Ophthalmology. **Ophthalmology** 1990 Nov; 97(11):1562–72 (69 ref.)
The complication of pneumatic retinopexy. Hilton GF, et al. **Trans Am Ophthalmol Soc** 1990;88:191–207; discussion 207–10 (35 ref.)
[Pneumatic retinopexy. Apropos of 29 cases: our experience] Morin B, et al. **Bull Soc Ophtalmol Fr** 1990 May;90(5):543–8 (5 ref.) **(Fre)**
[Krypton laser treatment of macular retinal detachment associated with optic nerve pit] Sampoux P, et al. **Bull Soc Ophtalmol Fr** 1990 Aug–Sep;90(8–9):783–7 (7 ref.) (Eng. Abstr.) **(Fre)**
[Prevention of retinal detachment and treatment of retinoschisis] Messmer EP. **Fortschr Ophthalmol** 1990;87 Suppl:S62–9 (49 ref.) (Eng. Abstr.) **(Ger)**
[Extrascleral use of balloons. I. Use of distensible balloons in vitreoretinal surgery (review of the literature)] Il'nitskiĭ VV, et al. **Vestn Oftalmol** 1990 Nov–Dec;106(6):70–6 (68 ref.) **(Rus)**

RETINAL DIALYSES see **RETINAL PERFORATIONS**

RETINAL DISEASES

[Macular site of bone choristoma of the choroid] Durand L, et al. **Bull Soc Ophtalmol Fr** 1990 Aug–Sep; 90(8–9):821–4 (28 ref.) **(Fre)**
[Juxto-foveolar telangiectasia, and Leber-Coats disease] Zografos L. **Ophtalmologie** 1987 Apr–Jun;1(2):175–85 (52 ref.) **(Fre)**

DIAGNOSIS

Retinal vasculitis—a primer. Rosenbaum JT, et al. **West J Med** 1991 Feb;154(2):182–5 (31 ref.)
[Placoid epitheliopathy and serpiginous choroidopathy] de Laey JJ. **Bull Soc Belge Ophtalmol** 1989;230:105–22 (52 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Pharmacological approaches to the treatment of ischaemic neuronal damage. Iversen LL. **Eye** 1991;5 (Pt 2):193–7 (21 ref.)

ETIOLOGY

Oxygen-induced retinopathy in the rat model. Ricci B. **Doc Ophthalmol** 1990 Mar;74(3):171–7 (21 ref.)
The peroxisome and the eye. Folz SJ, et al. **Surv Ophthalmol** 1991 Mar–Apr;35(5):353–68 (168 ref.)
[Macular manifestations of acute lymphoblastic leukemia. A case report] Vangheluwe O, et al. **Bull Soc Ophtalmol Fr** 1990 Jun–Jul;90(6–7):677–82 (25 ref.) (Eng. Abstr.) **(Fre)**
[Maculopathy caused by irradiation in patients treated for choroid melanoma] Haye C, et al. **Ophtalmologie** 1990 May–Jun;4(3):229–31 (18 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

[Individualization of X-flavimaculated macular dystrophy in hereditary macular dystrophies] François P, et al. **Ophtalmologie** 1990 Jul–Aug;4(4):372–6 (13 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Role of oxygen free radicals in retinal damage associated with experimental uveitis. Rao NA. **Trans Am Ophthalmol Soc** 1990;88:797–850 (123 ref.)

PATHOLOGY

Morphology, pathology, and surgery of idiopathic vitreoretinal macular disorders. A review. Smiddy WE, et al. **Retina** 1990;10(4):288–96 (40 ref.)

PHYSIOPATHOLOGY

[Placoid pigment epitheliopathy: a parallel study between automatized perimetry and fluorescence angiography] Frosini R, et al. **J Fr Ophtalmol** 1990;13(8–9):429–33 (30 ref.) (Eng. Abstr.) **(Fre)**
[Proliferative vitreoretinopathy: new discoveries in pathophysiology and therapy] Wiedemann P, et al. **Klin Monatsbl Augenheilkd** 1990 Nov;197(5):355–61 (46 ref.) (Eng. Abstr.) **(Ger)**

RETINAL DRUSEN

ETIOLOGY

[Macular drusen] Mimoun G, et al. **J Fr Ophtalmol** 1990; 13(10):511–30 (85 ref.) **(Fre)**

RETINAL GANGLION CELLS

CYTOLOGY

Neuroactive peptides as markers of retinal ganglion cell populations that differ in anatomical organization and function. Kuljis RO, et al. **Vis Neurosci** 1988;1(1):73–81 (40 ref.)

PHYSIOLOGY

Cell recognition and pattern formation in the developing nervous system. Trisler D. **J Exp Biol** 1990 Oct;153:11–27 (42 ref.)

The color–opponent and broad–band channels of the primate visual system. Schiller PH, et al. **Trends Neurosci** 1990 Oct; 13(10):392–8 (68 ref.)

RETINAL HEMORRHAGE

DIAGNOSIS

An orbital observation chart. Hayter JP, et al. **Br J Oral Maxillofac Surg** 1991 Apr;29(2):77–9 (23 ref.)

[Pigmentary retinopathy and Coats' vasculopathy] Munteanu C. **Oftalmologia** 1990 Apr–Jun;34(2):135–42 (25 ref.) (Eng. Abstr.) **(Rum)**

ETIOLOGY

Retinal haemorrhages [see comments] Kaur B, et al. **Arch Dis Child** 1990 Dec;65(12):1369–72 (63 ref.) Comment in: Arch Dis Child 1991 Jun;66(6):753.

RETINAL HOLES see **RETINAL PERFORATIONS**

RETINAL NECROSIS SYNDROME, ACUTE

[Acute retinal necrosis syndrome] Raspiller A, et al. **Ophtalmologie** 1987 Jul–Sep;1(3):319–21 (16 ref.) **(Fre)**

DIAGNOSIS

Diagnosis and management of the acute retinal necrosis (ARN) syndrome. Duker JS, et al. **Surv Ophthalmol** 1991 Mar–Apr;35(5):327–43 (86 ref.)

THERAPY

Diagnosis and management of the acute retinal necrosis (ARN) syndrome. Duker JS, et al. **Surv Ophthalmol** 1991 Mar–Apr;35(5):327–43 (86 ref.)

RETINAL NEOVASCULARIZATION

ETIOLOGY

[Chorioretinal coloboma and neovascular membrane] Rouland JF, et al. **Bull Soc Ophtalmol Fr** 1990 Jun–Jul; 90(6–7):643–4 (3 ref.) (Eng. Abstr.) **(Fre)**

[Submacular neovascular membrane and drusen of the optic disk] Saudax E, et al. **J Fr Ophtalmol** 1990;13(4):219–22 (12 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Laser treatment of age–related maculopathy (AMD) with subretinal neovascularization (SRN). Oosterhuis JA. **Fortschr Ophthalmol** 1990;87 Suppl:S52–61 (50 ref.)

RETINAL PERFORATIONS

PATHOLOGY

Morphology, pathology, and surgery of idiopathic vitreoretinal macular disorders. A review. Smiddy WE, et al. **Retina** 1990;10(4):288–96 (40 ref.)

SURGERY

[Pneumatic retinopexy. Apropos of 29 cases: our experience] Morin B, et al. **Bull Soc Ophtalmol Fr** 1990 May;90(5):543–8 (5 ref.) **(Fre)**

[Prevention of retinal detachment and treatment of retinoschisis] Messmer EP. **Fortschr Ophthalmol** 1990;87 Suppl:S62–9 (49 ref.) (Eng. Abstr.) **(Ger)**

RETINAL PIGMENT EPITHELIUM see **PIGMENT EPITHELIUM OF EYE**

RETINAL PIGMENTS

PHYSIOLOGY

Adaptations of visual pigments to the photic environment of the deep sea. Crescitelli F. **J Exp Zool Suppl** 1990; 5:66–75 (58 ref.)

RADIATION EFFECTS

Ultra–fast laser spectroscopy of visual pigments. Shichida Y. **Photochem Photobiol** 1990 Dec;52(6):1179–85 (87 ref.)

RETINAL TEARS see **RETINAL PERFORATIONS**

RETINAL VEIN OCCLUSION

DIAGNOSIS

The investigation of patients with retinal vascular occlusion. Graham EM. **Eye** 1990;4 (Pt 3):464–8 (25 ref.)

ETIOLOGY

Systemic associations of retinal vein occlusion. Elman MJ. **Int Ophthalmol Clin** 1991 Summer;31(3):15–22 (74 ref.)

[Ocular hypertonia disclosed by the association of central retinal vein and cilioretinal artery occlusions] Bordat B, et al. **Bull Soc Ophtalmol Fr** 1990 May;90(5):521–4 (10 ref.) **(Fre)**

[Circulatory disorders of the retina and optic nerve] Mehdorn E, et al. **Fortschr Ophthalmol** 1990;87 Suppl:S70–81 (183 ref.) (Eng. Abstr.) **(Ger)**

RETINAL VESSELS

see related
FLUORESCEIN ANGIOGRAPHY

Vascular tumors and malformations of the ocular fundus. De Laey JJ, et al. **Bull Soc Belge Ophtalmol** 1990;225 Pt 1:1–241 (930 ref.)

Systemic associations of retinal vasculitis. Stanford MR, et al. **Int Ophthalmol Clin** 1991 Summer;31(3):23–33 (20 ref.)

[Juxto–foveolar telangiectasia, and Leber–Coats disease] Zografos L. **Ophtalmologie** 1987 Apr–Jun;1(2):175–85 (52 ref.) **(Fre)**

ABNORMALITIES

[A case of facioscapulohumeral muscular dystrophy with infantile spasms, sensorineural deafness and retinal vessel abnormality] Akiyama C, et al. **No To Hattatsu** 1991 Jul; 23(4):395–9 (13 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Anomalous macular vessels: case report and review of the recent Japanese literature. Hayasaka S, et al. **Ann Ophthalmol** 1990 Dec;22(12):454–6 (11 ref.)

Use of temporal information to quantify vascular leakage in fluorescein angiography of the retina. Phillips RP, et al. **Clin Phys Physiol Meas** 1990;11 Suppl A:81–5 (9 ref.)

Pharmacological approaches to the treatment of ischaemic neuronal damage. Iversen LL. **Eye** 1991;5 (Pt 2):193–7 (21 ref.)

Microvascular pathology in diabetes with particular reference to diabetic retinopathy. Ratnakar KS. **Indian J Ophthalmol** 1986;34:333–6 (7 ref.)

PHYSIOPATHOLOGY

Neovascular growth factors. Schultz GS, et al. **Eye** 1991;5 (Pt 2):170–80 (48 ref.)

[Recent findings on the etiopathogenesis of subretinal neovascularization] Soubrane G, et al. **Ophtalmologie** 1990 Jan–Feb;4(1):8–12 (19 ref.) (Eng. Abstr.) **(Fre)**

RETINALDEHYDE

METABOLISM

The intracellular vitamin A–binding proteins: an overview of their functions. Wolf G. **Nutr Rev** 1991 Jan;49(1):1–12 (40 ref.)

RETINENE see **RETINALDEHYDE**

RETINITIS

DIAGNOSIS

[Pigmentary retinopathy and Coats' vasculopathy] Munteanu C. **Oftalmologia** 1990 Apr–Jun;34(2):135–42 (25 ref.) (Eng. Abstr.) **(Rum)**

DRUG THERAPY

Foscarnet sodium. Minor JR, et al. **DICP** 1991 Jan;25(1):41–7 (59 ref.)

Foscarnet. A review of its antiviral activity, pharmacokinetic properties and therapeutic use in immunocompromised patients with cytomegalovirus retinitis. Chrisp P, et al. **Drugs** 1991 Jan;41(1):104–29 (104 ref.)

Concomitant ganciclovir and zidovudine treatment for cytomegalovirus retinitis in patients with HIV infection: an approach to treatment. Causey D. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S16–21 (37 ref.)

Diagnosis and treatment of cytomegalovirus retinitis. Henderly DE, et al. **J Acquir Immune Defic Syndr** 1991; 4 Suppl 1:S6–10 (18 ref.)

Approaches to the treatment of cytomegalovirus retinitis: ganciclovir and foscarnet. Jacobson MA, et al. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S11–5 (26 ref.)

ETIOLOGY

[Retinitis disclosing subacute sclerosing panencephalitis] Cochereau–Massin I, et al. **Bull Soc Ophtalmol Fr** 1990 May;90(5):479–81 (17 ref.) (Eng. Abstr.) **(Fre)**

RETINITIS PIGMENTOSA

DIAGNOSIS

[Pigmentary retinopathy and Coats' vasculopathy] Munteanu C. **Oftalmologia** 1990 Apr–Jun;34(2):135–42 (25 ref.) (Eng. Abstr.) **(Rum)**

ETIOLOGY

Systemic associations of pigmentary retinopathy. Drack AV, et al. **Int Ophthalmol Clin** 1991 Summer;31(3):35–59 (164 ref.)

GENETICS

Ocular findings in a form of retinitis pigmentosa with a rhodopsin gene defect. Berson EL. **Trans Am Ophthalmol Soc** 1990;88:355–88 (106 ref.)

PHYSIOPATHOLOGY

[Progressive cone dystrophy: electrophysiological changes in female carriers] Amzallag T, et al. **J Fr Ophtalmol** 1990; 13(8–9):421–8 (12 ref.) (Eng. Abstr.) **(Fre)**

RETINOBLASTOMA

DIAGNOSIS

Clinical presentation, treatment, and outcome of trilateral retinoblastoma. Holladay DA, et al. **Cancer** 1991 Feb 1; 67(3):710–5 (30 ref.)

Points that merit consideration in the diagnosis of retinoblastoma. Mao WS, et al. **Yen Ko Hsueh Pao** 1989 Jun;5(1–2):3–6 (14 ref.)

[Diagnosis of a predisposition of retinoblastoma at the DNA level] Murakami Y. **Gan To Kagaku Ryoho** 1991 Jan; 18(1):44–50 (17 ref.) (Eng. Abstr.) **(Jpn)**

[Retinoblastoma: review of 19 cases] Martínez y Arroyo MM, et al. **An Esp Pediatr** 1991 Feb;34(2):107–10 (22 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Chemotherapy in retinoblastoma: current status and future directions. White L. **Am J Pediatr Hematol Oncol** 1991 Summer;13(2):189–201 (111 ref.)

EPIDEMIOLOGY

[A numerical overview of various forms of retinoblastoma] Zeller GX, et al. **Klin Monatsbl Augenheilkd** 1991 Feb; 198(2):81–2 (14 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

The retinoblastoma gene: its role in human malignancies. Benedict WF, et al. **Cancer Invest** 1990;8(5):535–40 (35 ref.)

The molecular genetics of retinoblastoma. Goodrich DW, et al. **Cancer Surv** 1990;9(3):529–54 (108 ref.)

Rate–limiting steps: the genetics of pediatric cancers. Haber DA, et al. **Cell** 1991 Jan 11;64(1):5–8 (20 ref.)

Molecular genetic considerations in osteosarcoma. Hansen MF. **Clin Orthop** 1991 Sep;(270):237–46 (53 ref.)

Molecular biology of the human retinoblastoma gene. Lee WH, et al. **Immunol Ser** 1990;51:169–200 (92 ref.)

The genetics of retinoblastoma. Relevance to the patient. Gallie BL, et al. **Pediatr Clin North Am** 1991 Apr; 38(2):299–315 (93 ref.)

[Clinico–genetic problems in retinoblastoma. Retinoblastoma and heredity (review)] Gerinec A. **Cesk Oftalmol** 1990 Sep; 46(5):321–30 (46 ref.) **(Slo)**

NURSING

Retinoblastoma. Servodidio CA, et al. **Cancer Nurs** 1991 Jun; 14(3):117–23 (19 ref.)

PATHOLOGY

[Pseudoretinoblastoma. Differential diagnosis of retinoblastoma] Hamburg A. **Klin Monatsbl Augenheilkd** 1990 Nov;197(5):362–8 (20 ref.) (Eng. Abstr.) **(Ger)**

SECONDARY

Metastatic retinoblastoma to the orofacial region. Ebata K, et al. **J Oral Maxillofac Surg** 1991 Oct;49(10):1120–3 (15 ref.)

SURGERY

Treatment of retinoblastoma with photocoagulation. Shields JA, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1990; 42:951–4 (11 ref.)

Treatment of retinoblastoma with cryotherapy. Shields JA, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1990; 42:977–80 (11 ref.)

[Retinoblastoma: multidisciplinary treatment in a group of 32 patients] Tasso Cereceda MJ, et al. **An Esp Pediatr** 1990

Oct;33(4):343–8 (40 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Neuroblastoma, retinoblastoma, and brain tumors in children. Brodeur GM, et al. **Curr Opin Oncol** 1991 Jun;3(3):485–96 (74 ref.)

RETINOBLASTOMA GENES see GENES, RETINOBLASTOMA

RETINOBLASTOMA NUCLEAR PHOSPHOPROTEIN P105–RB see RETINOBLASTOMA PROTEIN

RETINOBLASTOMA PROTEIN

GENETICS

Molecular biology of the human retinoblastoma gene. Lee WH, et al. **Immunol Ser** 1990;51:169–200 (92 ref.)

PHYSIOLOGY

Progression through the cell cycle: an overview. Fridovich–Keil JL, et al. **Am Rev Respir Dis** 1990 Dec; 142(6 Pt 2):S3–6 (35 ref.)

Cellular proteins that are targetted by DNA tumor viruses for transformation. Dyson N, et al.
Int Symp Princess Takamatsu Cancer Res Fund 1989; 20:191–8 (53 ref.)

The nuclear oncoproteins: RB and p53. Cowell JK.
Semin Cancer Biol 1990 Dec;1(6):437–46 (78 ref.)

RETINOIC ACID see TRETINOIN

RETINOIDS

Interactions of retinoids and transforming growth factor–beta in regulation of cell differentiation and proliferation. Sporn MB, et al. **Mol Endocrinol** 1991 Jan;5(1):3–7 (56 ref.)

ADVERSE EFFECTS

Rheumatological symptoms due to retinoids. Kaplan G, et al. **Baillieres Clin Rheumatol** 1991 Apr;5(1):77–97 (82 ref.)

[Retinoid–induced changes of the bones and ligaments] Zelger B, et al. **Hautarzt** 1990 Oct;41(10):537–44 (44 ref.) (Eng. Abstr.) **(Ger)**

CHEMISTRY

Chromatography of retinoids. Wyss R. **J Chromatogr** 1990 Oct 12;531:481–508 (98 ref.)

Structure characteristics of natural and synthetic retinoids. Klaus M. **Methods Enzymol** 1990;189:3–14 (17 ref.)

ISOLATION & PURIFICATION

High–performance liquid chromatography of retinoid isomers: an overview. Bridges CD. **Methods Enzymol** 1990; 189:60–9 (17 ref.)

METABOLISM

Retinobenzoic acids and nuclear retinoic acid receptors. Hashimoto Y. **Cell Struct Funct** 1991 Apr;16(2):113–23 (30 ref.)

Metabolism of natural retinoids in psoriatic epidermis. Siegenthaler G, et al. **J Invest Dermatol** 1990 Nov; 95(5):47S–48S (12 ref.)

Processing of dietary retinoids is slowed in the elderly. **Nutr Rev** 1991 Apr;49(4):116–9 (12 ref.)

Extra– and intracellular transport of retinoids. Eriksson U. **Subcell Biochem** 1990;16:365–99 (136 ref.)

Retinoids in the host defense system. Yamamoto M. **World Rev Nutr Diet** 1991;64:58–84 (124 ref.)

PHARMACOKINETICS

Retinoids: an overview of pharmacokinetics and therapeutic value. Gollnick H, et al. **Methods Enzymol** 1990; 190:291–304 (82 ref.)

PHARMACOLOGY

Retinoids, homeoboxes, and growth factors: toward molecular models for limb development. Tabin CJ. **Cell** 1991 Jul 26;66(2):199–217 (165 ref.)

Retinoid–sensitive cells and cell lines. Amos B, et al. **Methods Enzymol** 1990;190:217–25 (102 ref.)

[Natural anti–mutagenic and anti–carcinogenic substances] Rahden–Staroń I. **Postepy Biochem** 1990;36(3–4):16–22 (54 ref.) **(Pol)**

[Role of protein receptors of Vitamin A in the mechanism of antitumor action of retinoids] Piatchanina TV, et al. **Eksp Onkol** 1990;12(6):8–13 (50 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Potential role of beta–carotene in prevention of oral cancer. Garewal HS. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):294S–297S (33 ref.)

Cancer chemoprevention by retinoids: animal models. Moon RC, et al. **Methods Enzymol** 1990;190:395–406 (38 ref.)

Synthetic retinoids in veterinary dermatology. Power HT, et al. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1525–39 (47 ref.)

RETINOL see VITAMIN A

RETINOL–BINDING PROTEINS

GENETICS

Interphotoreceptor retinoid–binding protein: biochemistry and molecular biology. Liou GI, et al.
Prog Clin Biol Res 1991;362:115–37 (64 ref.)

The molecular biology of IRBP: application to problems of uveitis, protein chemistry, and evolution. Nickerson JM, et al. **Prog Clin Biol Res** 1991;362:139–61 (44 ref.)

PHYSIOLOGY

The intracellular vitamin A–binding proteins: an overview of their functions. Wolf G. **Nutr Rev** 1991 Jan;49(1):1–12 (40 ref.)

[Role of protein receptors of Vitamin A in the mechanism of antitumor action of retinoids] Piatchanina TV, et al. **Eksp Onkol** 1990;12(6):8–13 (50 ref.) (Eng. Abstr.) **(Rus)**

RETINOPATHY OF PREMATURITY

Perinatal ocular physiology and ROP in the experimental animal model. Flower RW. **Doc Ophthalmol** 1990 Mar; 74(3):153–62 (8 ref.)

Identification and treatment of retinopathy of prematurity: an update and review. White GL Jr, et al.
South Med J 1991 Apr;84(4):475–8 (14 ref.)

DIAGNOSIS

Echographic findings in infants with ROP. Mazzeo V, et al. **Doc Ophthalmol** 1990 Mar;74(3):235–44 (36 ref.)

Retinopathy of prematurity (ROP): optimal timing of clinical evaluation and standard procedures. Reibaldi A, et al.
Doc Ophthalmol 1990 Mar;74(3):229–34 (21 ref.)

ETIOLOGY

The role of hyperoxia in the aetiology of retinopathy of prematurity. Garner A. **Doc Ophthalmol** 1990 Mar; 74(3):187–93 (20 ref.)

Light and the developing retina. Glass P.
Doc Ophthalmol 1990 Mar;74(3):195–203 (31 ref.)

Oxygen–induced retinopathy in the rat model. Ricci B.
Doc Ophthalmol 1990 Mar;74(3):171–7 (21 ref.)

SURGERY

Critical mass retinopathy of prematurity: what is it and what can you do about it? Hindle NW. **Doc Ophthalmol** 1990 Mar;74(3):253–62 (19 ref.)

The pathogenesis of retinopathy of prematurity as it relates to surgical treatment. Kretzer FL, et al.
Doc Ophthalmol 1990 Mar;74(3):205–11 (9 ref.)

The rationale for cryotherapy with a prophylactic scleral buckle for Zone I threshold retinopathy of prematurity. Mintz–Hittner HA, et al. **Doc Ophthalmol** 1990 Mar; 74(3):263–8 (10 ref.)

Results of U.S. randomized clinical trial of cryotherapy for ROP (CRYO–ROP). Palmer EA. **Doc Ophthalmol** 1990 Mar;74(3):245–51 (8 ref.)

RETIREMENT BENEFITS see PENSIONS

RETROGNATHISM

ETIOLOGY

Upper airway obstruction and craniofacial morphology. Principato JJ. **Otolaryngol Head Neck Surg** 1991 Jun; 104(6):881–90 (58 ref.)

RADIOGRAPHY

[Teleroentgenographic findings in adults with overbite. Teleroentgenographic morphology in closed–bite patients] Reinhardt A, et al.
Dtsch Zahn Mund Kieferheilkd Zentralbl 1991;79(2):115–23 (31 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Impact of orthognathic surgery on normal and abnormal personality dimensions: a 2–year follow–up study of 61 patients. Flanary CM, et al.
Am J Orthod Dentofacial Orthop 1990 Oct;98(4):313–22 (58 ref.)

RETROLENTAL FIBROPLASIA see RETINOPATHY OF PREMATURITY

RETROPERITONEAL FIBROSIS

Retroperitoneal fibrosis: some new acquisitions about pathogenesis and diagnostics. Alberti C, et al.
Arch Ital Urol Nefrol Androl 1991 Mar;63(1):23–35 (83 ref.)

CHEMICALLY INDUCED

Retroperitoneal fibrosis in two patients with Parkinson's disease treated with bromocriptine. Kains JP, et al.
Acta Clin Belg 1990;45(5):306–10 (14 ref.)

COMPLICATIONS

Retroperitoneal fibrosis associated with carcinoma of the cervix: review of the literature. Rivlin ME, et al.
Gynecol Oncol 1991 Apr;41(1):95–7 (10 ref.)

Childhood retroperitoneal fibrosis associated with a horseshoe kidney: a case report. Smith DR, et al.
Indiana Med 1991 Apr;84(4):254–9 (0 ref.)

[Obstructive disorders of urine transport of the upper urinary tract—benign and malignant retroperitoneal fibrosis] Oesterwitz H, et al. **Z Urol Nephrol** 1990 Dec;83(12):649–56 (18 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Retroperitoneal fibrosis. Amis ES Jr.
AJR Am J Roentgenol 1991 Aug;157(2):321–9 (75 ref.)

[Radiologic diagnosis and treatment of Ormond's disease] Vosshenrich R, et al. **Rontgenblatter** 1990 Dec; 43(12):489–94 (41 ref.) (Eng. Abstr.) **(Ger)**

RETROPERITONEAL NEOPLASMS

[Retroperitoneal lipomas in children. Apropos of a new case. Review of the literature] de Lagausie P, et al.
Ann Urol (Paris) 1990;24(6):477–80 (15 ref.) (Eng. Abstr.) **(Fre)**

[Pure primary retroperitoneal seminoma in a woman. Apropos of a case] Fignon A, et al.
J Gynecol Obstet Biol Reprod (Paris) 1990;19(7):845–50 (10 ref.) (Eng. Abstr.) **(Fre)**

[A case of malignant retroperitoneal fibrohistiocytoma] Grande M, et al. **G Chir** 1989 Mar;10(3):98–102 (21 ref.) (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Adenocarcinoma arising in retroperitoneal enterogenous cyst presenting as a renal cyst: report of an unusual case. Marrogi AJ, et al. **Eur J Surg Oncol** 1991 Jun;17(3):300–7 (40 ref.)

[Obstructive disorders of urine transport of the upper urinary tract—benign and malignant retroperitoneal fibrosis] Oesterwitz H, et al. **Z Urol Nephrol** 1990 Dec;83(12):649–56 (18 ref.) (Eng. Abstr.) **(Ger)**

[A case of retroperitoneal Hodgkin's disease with dysuria] Maeda O, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1333–6 (22 ref.) (Eng. Abstr.) **(Jpn)**

[Malignant schwannoma as a cause of Addison's disease] de las Heras Niño B, et al. **An Med Interna** 1989 Aug; 6(8):435–6 (13 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Diagnosis and management of retroperitoneal soft–tissue sarcoma. Storm FK, et al. **Ann Surg** 1991 Jul;214(1):2–10 (15 ref.)

[Malignant mesenchymoma of the retroperitoneum: a case report] Iida S, et al. **Hinyokika Kiyo** 1991 Jan;37(1):45–9 (17 ref.) (Eng. Abstr.) **(Jpn)**

[Retroperitoneal mixed type liposarcoma: a case report] Yamaguchi T, et al. **Hinyokika Kiyo** 1991 Feb;37(2):141–5 (19 ref.) (Eng. Abstr.) **(Jpn)**

[A case of retroperitoneal schwannoma mimicking a cystadenoma of the pancreas] Obara T, et al.
Nippon Shokakibyo Gakkai Zasshi 1990 Aug;87(8):1717–20 (16 ref.) **(Jpn)**

[Retrovesical leiomyoma] Munuera F, et al.
Rev Quir Esp 1988 Mar–Apr;15(2):107–8 (9 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Dedifferentiated liposarcoma with features of rhabdomyosarcoma. Salzano RP Jr, et al. **Conn Med** 1991 Apr;55(4):200–2 (12 ref.)

Retroperitoneal teratoma with predominance of nephroblastic elements—a case report. Kim YW, et al.
J Korean Med Sci 1990 Dec;5(4):237–42 (20 ref.)

Retroperitoneal soft tissue sarcomas: a review of the literature. Van Dam PA, et al. **Obstet Gynecol Surv** 1990 Oct;45(10):670–82 (160 ref.)

[A case of retroperitoneal pleomorphic lipoma] Fukui Y, et al. **Hinyokika Kiyo** 1991 Apr;37(4):373–6 (10 ref.) (Eng. Abstr.) **(Jpn)**

[A case of retroperitoneal ganglioneuroma] Oyama N, et al. **Hinyokika Kiyo** 1991 Apr;37(4):369–72 (18 ref.) (Eng. Abstr.) **(Jpn)**

[Castleman disease in the pelvic retroperitoneum] Takeda A, et al. **Hinyokika Kiyo** 1990 Sep;36(9):1093–6 (12 ref.) (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

[A case of aortoduodenal fistula following radiotherapy of retroperitoneal metastatic disease] Fukasawa H, et al.
Gan To Kagaku Ryoho 1991 Jan;18(1):119–22 (9 ref.) (Eng. Abstr.) **(Jpn)**

SECONDARY

Recurrent ovarian granulosa cell tumor: role of combination chemotherapy with report of a long–term response to a cyclophosphamide, doxorubicin and cisplatin regimen. Muntz HG, et al. **Eur J Gynaecol Oncol** 1990;11(4):263–8 (21 ref.)

SURGERY

Pros and cons of retroperitoneal lymphadenectomy in operable renal cell carcinoma. Pizzocaro G, et al. **Eur Urol** 1990;18 Suppl 2:22–3 (7 ref.)

[Duodenal paraganglioma. Case report and review of the literature] Duff CA, et al. **Chirurg** 1991 Feb;62(2):144–7 (23 ref.) **(Ger)**

[Leiomyosarcoma of the vena cava. Case report and review of the literature] Sturm J, et al. **Langenbecks Arch Chir** 1991;376(3):182–8 (25 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Soft tissue sarcomas of the extremity and retroperitoneum: advances in management. Sondak VK, et al. **Adv Surg** 1991; 24:333–59 (55 ref.)

[Malignant retroperitoneal schwannoma not associated with von Recklinghausen syndrome] Giori A. **G Chir** 1988 Feb; 9(2):93–6 (20 ref.) (Eng. Abstr.) **(Ita)**

RETROPERITONEAL SPACE

Retroperitoneal xanthogranuloma: report of two cases with a review of the literature. Hennessy OF, et al. **Australas Radiol** 1990 Nov;34(4):347–9 (11 ref.)

[The posterior interparieto-peritoneal or retroperitoneal spaces. 2: Pathological x-ray computed tomographic image] Hureau J, et al. **J Radiol** 1991 Apr;72(4):205–27 (35 ref.) (Eng. Abstr.) **(Fre)**

INJURIES

[Injuries of the pelvis and retroperitoneal organs] Wilker DK, et al. **Urologe [A]** 1991 May;30(3):183–8 (12 ref.) (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Computed tomography of the retroperitoneum] Schild H, et al. **Rontgenpraxis** 1990 Nov;43(11):408–9 (0 ref.) **(Ger)**

RETROVIRIDAE

Tumorigenesis by slow-transforming retroviruses--an update. van Lohuizen M, et al. **Biochim Biophys Acta** 1990 Dec 11;1032(2–3):213–35 (282 ref.)

DRUG EFFECTS

Pharmacology of antiretroviral drugs. Lessons learned to date. Lietman PS. **Ann N Y Acad Sci** 1990;616:299–306 (22 ref.)

Broad-spectrum anti-DNA virus and anti-retrovirus activity of phosphonylmethoxyalkylpurines and -pyrimidines. De Clercq E. **Biochem Pharmacol** 1991 Aug 8;42(5):963–72 (69 ref.)

Anti-retroviral therapy of human immunodeficiency virus infection: current strategies and challenges for the future. Yarchoan R, et al. **Blood** 1991 Aug 15;78(4):859–84 (254 ref.)

ENZYMOLOGY

Structure and function of retroviral proteases. Fitzgerald PM, et al. **Annu Rev Biophys Biophys Chem** 1991;20:299–320 (113 ref.)

Ribonucleases H of retroviral and cellular origin. Wintersberger U. **Pharmacol Ther** 1990;48(2):259–80 (210 ref.)

GENETICS

Mouse retrotransposons: a cellular reservoir of long terminal repeat (LTR) elements with diverse transcriptional specificities. Keshet E, et al. **Adv Cancer Res** 1991; 56:215–51 (195 ref.)

Retrovirus-induced motor neuron disease of mice: molecular basis of neurotropism and paralysis. Jolicoeur P, et al. **Adv Neurol** 1991;56:481–93 (39 ref.)

Lineage analysis with a recombinant retrovirus: application to chick spinal motor neurons. Leber SM, et al. **Adv Neurol** 1991;56:27–36 (41 ref.)

Generation of diversity in retroviruses. Katz RA, et al. **Annu Rev Genet** 1990;24:409–45 (160 ref.)

Integration specificity of retrotransposons and retroviruses. Sandmeyer SB, et al. **Annu Rev Genet** 1990;24:491–518 (141 ref.)

Retroviral vectors. Lever AM. **Biochem Soc Trans** 1991 Apr; 19(2):379–83 (27 ref.)

Genomic organization and expression of endogenous retrovirus-like elements in cultured rodent cells. Lueders KK. **Biologicals** 1991 Jan;19(1):1–7 (31 ref.)

A new approach to the study of the origin of genetic diseases: retroviral etiology of osteopetrosis. Labat ML. **Biomed Pharmacother** 1991;45(1):23–7 (28 ref.)

Nobel lecture. Retroviruses and oncogenes. I. Varmus HE. **Biosci Rep** 1990 Oct;10(5):413–30 (84 ref.)

Oncogenes at viral integration sites. Peters G. **Cell Growth Differ** 1990 Oct;1(10):503–10 (135 ref.)

Retroviral oncogenes: interrelationships between neoplastic transformation and cell differentiation. Auersperg N, et al. **Crit Rev Oncog** 1991;2(2):125–60 (321 ref.)

Retrotransposition mechanisms. Boeke JD, et al. **Curr Opin Cell Biol** 1991 Jun;3(3):502–7 (17 ref.)

Retroviruses as genetic tools to isolate transcriptionally active chromosomal regions. von Melchner H, et al. **Environ Health Perspect** 1990 Aug;88:141–8 (80 ref.)

Safety issues related to retroviral-mediated gene transfer in humans. Cornetta K, et al. **Hum Gene Ther** 1991 Spring; 2(1):5–14 (76 ref.)

Retrovirus packaging cells. Miller AD. **Hum Gene Ther** 1990 Spring;1(1):5–14 (30 ref.)

Safety considerations in somatic gene therapy of human disease with retrovirus vectors. Temin HM. **Hum Gene Ther** 1990 Summer;1(2):111–23 (73 ref.)

Retroviral-related genes, proto-oncogenes, and breast cancer. Callahan R, et al. **Immunol Ser** 1989;43:623–42 (97 ref.)

Regulated expression of retroviruses and their oncogenes: models for tumor suppression. Wyke J, et al. **Immunol Ser** 1990;51:49–73 (56 ref.)

Integration of viruses into chromosomal DNA. Onions D. **J Pathol** 1991 Mar;163(3):191–7 (10 ref.)

Human immunodeficiency virus as a prototypic complex retrovirus. Cullen BR. **J Virol** 1991 Mar;65(3):1053–6 (20 ref.)

Molecular biology of type A endogenous retrovirus. Ono M. **Kitasato Arch Exp Med** 1990 Sep;63(2–3):77–90 (74 ref.)

The significance of retroviruses in oncology. Leib-Mösch C, et al. **Onkologie** 1990 Dec;13(6):405–14 (95 ref.)

Sex and recombination in retroviruses. Temin HM. **Trends Genet** 1991 Mar;7(3):71–4 (13 ref.)

GROWTH & DEVELOPMENT

Biology of retroviruses. Detection, molecular biology, and treatment of retroviral infection. Wells KH, et al. **Obstet Gynecol Clin North Am** 1990 Sep;17(3):489–521 (234 ref.)

Role of polymorphonuclear leukocytes in infection by retroviruses with emphasis on the human immunodeficiency virus. Mertins SD, et al. **Viral Immunol** 1990 Fall;3(3):173–94 (111 ref.)

IMMUNOLOGY

Vaccination against feline retroviruses. Jarrett O. **Dev Biol Stand** 1990;72:185–8 (11 ref.)

Immunogenetics of murine and feline retroviruses. Wolfe JH, et al. **Immunol Ser** 1989;43:561–95 (190 ref.)

Immunosuppressive actions of retroviruses. Good RA, et al. **Lymphology** 1990 Jun;23(2):56–9 (28 ref.)

Retroviral antigen expression on megakaryocytes and platelets: possible implications in the pathogenesis of thrombocytopenia. Grau GE, et al. **Prog Clin Biol Res** 1990;356:275–86 (23 ref.)

ISOLATION & PURIFICATION

Endogenous retroviral expression in the human placenta. Johnson PM, et al. **Am J Reprod Immunol** 1990 Aug; 23(4):115–20 (85 ref.)

The expression of retrovirus-like particles in psoriasis. Iversen OJ. **J Invest Dermatol** 1990 Nov;95(5):41S–43S (12 ref.)

The polymerase chain reaction (PCR): a valuable method for retroviral detection. Sninsky JJ. **Lymphology** 1990 Jun; 23(2):92–7 (6 ref.)

PHYSIOLOGY

Transmission of retroviruses by arthropods. Foil LD, et al. **Annu Rev Entomol** 1991;36:355–81 (109 ref.)

Feline retrovirus infections. Pedersen NC. **Dev Biol Stand** 1990;72:149–55 (12 ref.)

Interactions between herpesviruses and retroviruses: implications in the initiation of disease. Evermann JF, et al. **Microb Pathog** 1991 Jan;10(1):1–9 (65 ref.)

RETROVIRIDAE PROTEINS

GENETICS

Regulation of expression of human immunodeficiency virus. Pavlakis GN, et al. **New Biol** 1990 Jan;2(1):20–31 (141 ref.)

RETROVIRIDAE PROTEINS, ONCOGENIC

GENETICS

Expression and interactions of human adenovirus oncoproteins. Boulanger PA, et al. **Biochem J** 1991 Apr 15;275 (Pt 2):281–99 (340 ref.)

Molecular analysis of the ets genes and their products. Watson DK, et al. **Crit Rev Oncog** 1990;1(4):409–36 (139 ref.)

RETROVIRUS INFECTIONS

Retrovirus-induced motor neuron disease of mice: molecular basis of neurotropism and paralysis. Jolicoeur P, et al. **Adv Neurol** 1991;56:481–93 (39 ref.)

Are retroviruses involved in the aetiology of rheumatic diseases? Kalden JR, et al. **Br J Rheumatol** 1991;30 Suppl 1:63–9 (59 ref.)

Multiple sclerosis, retroviruses, and PCR. The HTLV-MS Working Group. Ehrlich GD, et al. **Neurology** 1991 Mar; 41(3):335–43 (105 ref.)

[Retroviruses in human pathology] Radkowski M, et al. **Pol Arch Med Wewn** 1991 May;85(5):312–21 (79 ref.) **(Pol)**

COMPLICATIONS

Interactions between herpesviruses and retroviruses: implications in the initiation of disease. Evermann JF, et al. **Microb Pathog** 1991 Jan;10(1):1–9 (65 ref.)

DRUG THERAPY

Immunologic issues in anti-retroviral therapy. Yarchoan R, et al. **Immunol Today** 1990 Sep;11(9):327–33 (94 ref.)

GENETICS

The Lake Casitas wild mouse: evolving genetic resistance to retroviral disease. Gardner MB, et al. **Trends Genet** 1991 Jan;7(1):22–7 (33 ref.)

IMMUNOLOGY

Lymphocyte subsets and abnormalities in retrovirally infected mice. Popp DM. **Crit Rev Immunol** 1990; 10(2):73–112 (300 ref.)

Specific immunity to HIV and other retroviral infections. Gorny MK, et al. **Prog AIDS Pathol** 1989;1:181–99 (140 ref.)

Role of polymorphonuclear leukocytes in infection by retroviruses with emphasis on the human immunodeficiency virus. Mertins SD, et al. **Viral Immunol** 1990 Fall;3(3):173–94 (111 ref.)

PATHOLOGY

Lymphatic tissue changes in AIDS and other retrovirus infections: tools and insights. Racz P, et al. **Lymphology** 1990 Jun;23(2):85–91 (35 ref.)

PREVENTION & CONTROL

An immunopharmacological approach for prevention of retrovirus-associated disease in human pathology. D'Onofrio C, et al. **Pharmacol Res** 1990 Nov–Dec; 22(6):645–59 (36 ref.)

TRANSMISSION

Transmission of retroviruses by arthropods. Foil LD, et al. **Annu Rev Entomol** 1991;36:355–81 (109 ref.)

Retroviral infections transmitted by blood transfusion. Sandler SG, et al. **Yale J Biol Med** 1990 Sep–Oct; 63(5):353–60 (47 ref.)

VETERINARY

Retroviral leukemia and lower motor neuron disease in wild mice: natural history, pathogenesis, and genetic resistance. Gardner MB. **Adv Neurol** 1991;56:473–9 (50 ref.)

Comparative features of retroviral infections of livestock. Evermann JF. **Comp Immunol Microbiol Infect Dis** 1990; 13(3):127–36 (82 ref.)

Vaccination against feline retroviruses. Jarrett O. **Dev Biol Stand** 1990;72:185–8 (11 ref.)

Feline retrovirus infections. Pedersen NC. **Dev Biol Stand** 1990;72:149–55 (12 ref.)

Lessons from caprine and ovine retrovirus infections. Michaels FH, et al. **Rheum Dis Clin North Am** 1991 Feb; 17(1):5–23 (73 ref.)

RETROVIRUS PROTEINS see RETROVIRIDAE PROTEINS

RETROVIRUSES see RETROVIRIDAE

RETT SYNDROME

Rett syndrome in Sweden. Neurodevelopment--disability--pathophysiology. Engerström IW. **Acta Paediatr Scand Suppl** 1990;369:1–60 (138 ref.)

Rett's syndrome: a case study. Morris J. **J Neurosci Nurs** 1990 Oct;22(5):285–93 (26 ref.)

ETIOLOGY

Rett syndrome and the autistic disorders. Percy A, et al. **Neurol Clin** 1990 Aug;8(3):659–76 (119 ref.)

METABOLISM

A review of the biochemical pathways studied and abnormalities reported in the Rett syndrome. Burd L, et al. **Brain Dev** 1990;12(4):444–8 (25 ref.)

REVERSE IMMUNOBLOTTING see IMMUNOBLOTTING

REVERSE TRANSCRIPTASE

ANTAGONISTS & INHIBITORS

Anabolism and mechanism of action of Ro24–5098, an isomer of 2',3'-dideoxyadenosine (ddA) with anti-HIV activity. Frank KB, et al. **Ann N Y Acad Sci** 1990;616:408–14 (15 ref.)

Correlation of molecular conformation and activity of reverse transcriptase inhibitors. Van Roey P, et al. **Ann N Y Acad Sci** 1990;616:29–40 (30 ref.)

CHEMISTRY

HIV-1 reverse transcriptase: structure predictions for the polymerase domain. Barber AM, et al. **AIDS Res Hum Retroviruses** 1990 Sep;6(9):1061–72 (46 ref.)

Structure–function studies of HIV reverse transcriptase. Prasad VR, et al. **Ann N Y Acad Sci** 1990;616:11–21 (20 ref.)

HIV reverse transcriptase structure–function relationships. Jacobo-Molina A, et al. **Biochemistry** 1991 Jul 2; 30(26):6351–6 (69 ref.)

METABOLISM

DNA polymerases versus HIV reverse transcriptase in AIDS therapy. Cheng YC, et al. **Ann N Y Acad Sci** 1990; 616:217–23 (21 ref.)

Antiretroviral activity, biochemistry, and pharmacokinetics of 3'-azido-2',3'-dideoxy-5-methylcytidine. Schinazi RF, et al. **Ann N Y Acad Sci** 1990;616:385–97 (26 ref.)

How do viral reverse transcriptases recognize their RNA genome? Mesnard JM, et al. **FEBS Lett** 1991 Aug 5; 287(1–2):1–4 (45 ref.)

Retroelements in bacteria. Inouye M, et al. **Trends Biochem Sci** 1991 Jan;16(1):18–21 (35 ref.)

REVERSE TRANSCRIPTION see **TRANSCRIPTION, GENETIC**

REVISION ARTHROPLASTY see **REOPERATION**

REVISION, JOINT see **REOPERATION**

REVISION, SURGICAL see **REOPERATION**

REWARD

Threshold procedures for assessing the impact of agents on brain reward systems. Fountain SB, et al. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):469–75 (26 ref.)

Opioid involvement in the rewarding effects of chronic cocaine. Hammer RP Jr, et al. **NIDA Res Monogr** 1991; 105:182–8 (16 ref.)

REX GENES see **GENES, PX**

REYE'S SYNDROME

CHEMICALLY INDUCED

Reye's syndrome and aspirin: a review. Hall SM. **Br J Clin Pract Symp Suppl** 1990 Aug;70:4–11 (43 ref.)

DIAGNOSIS

Problems in case definition of Reye's syndrome. Ko KW. **Acta Paediatr Jpn** 1990 Aug;32(4):381–4 (22 ref.)

RFLP see **RESTRICTION FRAGMENT LENGTH POLYMORPHISMS**

RH FACTORS see **RH-HR BLOOD-GROUP SYSTEM**

RH-HR BLOOD-GROUP SYSTEM

see related
ERYTHROBLASTOSIS, FETAL

IMMUNOLOGY

Production and characterization of monoclonal anti-Rh. Thompson KM, et al. **Baillieres Clin Haematol** 1990 Apr; 3(2):243–53 (44 ref.)

The Rh blood group system. Tippett P. **Immunol Ser** 1989; 43:743–80 (98 ref.)

Biochemistry of rhesus (Rh) blood group antigens. Gahmberg CG. **J Immunogenet** 1990 Aug–Oct;17(4–5):227–33 (35 ref.)

PHYSIOLOGY

Molecular biology of the Rh antigens. Agre P, et al. **Blood** 1991 Aug 1;78(3):551–63 (112 ref.)

Biochemistry of the erythrocyte Rh polypeptides: a review. Agre P, et al. **Yale J Biol Med** 1990 Sep–Oct;63(5):461–7 (35 ref.)

RH ISOIMMUNIZATION

see related
ERYTHROBLASTOSIS, FETAL

COMPLICATIONS

Differential diagnosis and causes of nonimmunological hydrops fetalis: a review. Poeschmann RP, et al. **Obstet Gynecol Surv** 1991 Apr;46(4):223–31 (102 ref.)

DIAGNOSIS

[Modern diagnosis and therapy of fetomaternal blood group incompatibility] Vetter K, et al. **Arch Gynecol Obstet** 1990; 247 Suppl:S25–35 (52 ref.) **(Ger)**

IMMUNOLOGY

Haemolytic disease of two newborns in a Rhesus anti-e alloimmunized woman. Review of literature. Moncharmont P, et al. **Haematologia (Budap)** 1990;23(2):97–100 (8 ref.)

PREVENTION & CONTROL

Antenatal suppression of Rh alloimmunization. Bowman JM. **Clin Obstet Gynecol** 1991 Jun;34(2):296–303 (29 ref.)

Rhesus immunization: new perspectives in maternal–fetal medicine. Stangenberg M, et al. **Obstet Gynecol Surv** 1991 Apr;46(4):189–95 (88 ref.)

THERAPY

[Immunomodulating therapy in various complications of the gestational period] Nazarenko LG. **Akush Ginekol (Mosk)** 1990 Nov;(11):12–5 (53 ref.) **(Rus)**

RHABDITIS see **NEMATODA**

RHABDITOIDEA see **NEMATODA**

RHABDOMYOLYSIS

The rhabdomyolytic syndromes. Monteverde A. **Ann Ital Med Int** 1988;3 Suppl 1:13–21 (24 ref.)

CHEMICALLY INDUCED

Cocaine and rhabdomyolysis: report of a case and review of the literature. Flaque-Coma J. **Bol Asoc Med P R** 1990 Sep;82(9):423–4 (16 ref.)

Rhabdomyolysis and cutaneous necrosis following intravenous vasopressin infusion. Moreno-Sánchez D, et al. **Gastroenterology** 1991 Aug;101(2):529–32 (20 ref.)

[Rhabdomyolysis induced by xenobiotics] Cotrău M, et al. **Rev Med Chir Soc Med Nat Iasi** 1990 Jan–Mar;94(1):39–43 (5 ref.) **(Rum)**

[Muscular necrosis following administration of vasopressin] Moreno Sánchez D, et al. **Rev Esp Enferm Dig** 1991 Feb; 79(2):160–2 (16 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

[Rhabdomyolysis] Soejima A, et al. **Nippon Rinsho** 1991 Jun; 49(6):1310–7 (29 ref.) **(Jpn)**

DIAGNOSIS

[Rhabdomyolysis, ventricular fibrillation and respiratory insufficiency as a form of presentation of type-I renal tubular acidosis] Jiménez Saenz M, et al. **An Med Interna** 1989 Jul;6(7):369–72 (12 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Exertional rhabdomyolysis in two prison inmates. Greene JT, et al. **J Med Assoc Ga** 1990 Oct;79(10):743–6 (20 ref.)

Catastrophic medical events with exhaustive exercise: "white collar rhabdomyolysis". Knochel JP. **Kidney Int** 1990 Oct; 38(4):709–19 (73 ref.)

[Rhabdomyolysis] Koene RA. **Ned Tijdschr Geneeskd** 1991 Jul 13;135(28):1267–71 (20 ref.) **(Dut)**

PATHOLOGY

Rhabdomyolysis and drug-related myopathies. Grob D. **Curr Opin Rheumatol** 1990 Dec;2(6):908–15 (23 ref.)

RHABDOMYOMA

Submandibular rhabdomyoma: a case report. Garcia-Ruiz JA, et al. **Br J Oral Maxillofac Surg** 1991 Apr;29(2):123–6 (32 ref.)

Rhabdomyoma of the cricopharyngeus in an infant. Pownell PH, et al. **Int J Pediatr Otorhinolaryngol** 1990 Nov; 20(2):149–58 (24 ref.)

COMPLICATIONS

Incidence of tuberous sclerosis in patients with cardiac rhabdomyoma. Harding CO, et al. **Am J Med Genet** 1990 Dec;37(4):443–6 (26 ref.)

DIAGNOSIS

Recurrent multifocal adult rhabdomyoma diagnosed by fine-needle aspiration cytology: report of a case and review of the literature. Walker WP, et al. **Diagn Cytopathol** 1990; 6(5):354–8 (20 ref.)

PATHOLOGY

Spontaneous regression of cardiac rhabdomyoma. Farooki ZQ, et al. **Am J Cardiol** 1991 Apr 15;67(9):897–9 (12 ref.)

[Adult type rhabdomyoma of the soft palate: pathology of 2 cases with review of the medical literature] Vuong PN, et al. **Arch Anat Cytol Pathol** 1990;38(4):152–8 (47 ref.) (Eng. Abstr.) **(Fre)**

RHABDOMYOSARCOMA

Extra-renal rhabdoid tumour of the glutei. Salam A, et al. **Br J Clin Pract** 1990 Dec;44(12):662–3 (11 ref.)

BLOOD

Carcinocythemia in a patient with rhabdomyosarcoma. Maldonado A, et al. **Bol Asoc Med P R** 1991 Jan;83(1):13–6 (15 ref.)

CHEMICALLY INDUCED

[Rhabdomyosarcoma of the nasopharynx occurring with immunosuppressive treatment with cyclosporin A. Apropos of a case] Piller P, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(1):38–40 (14 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Adult embryonal rhabdomyosarcoma of the vagina complicating pregnancy: a case report and review of the literature. Singhal S, et al. **Asia Oceania J Obstet Gynaecol** 1990 Dec;16(4):301–6 (25 ref.)

Rhabdomyosarcoma of the larynx in children: a series of five patients treated in the Institut Gustave Roussy (Villejuif, France). Kato MA, et al. **Med Pediatr Oncol** 1991; 19(2):110–4 (19 ref.)

Rhabdomyosarcoma. From the laboratory to the clinic. Houghton PJ, et al. **Pediatr Clin North Am** 1991 Apr; 38(2):349–64 (45 ref.)

PATHOLOGY

Dedifferentiated liposarcoma with features of rhabdomyosarcoma. Salzano RP Jr, et al. **Conn Med** 1991 Apr;55(4):200–2 (12 ref.)

The use of biopsy in the evaluation of pediatric nasopharyngeal masses. Burkey B, et al. **Int J Pediatr Otorhinolaryngol** 1990 Nov;20(2):169–79 (18 ref.)

Subependymoma with rhabdomyosarcomatous differentiation: report of a case and literature review. Tomlinson FH, et al. **Neurosurgery** 1991 May;28(5):761–8 (50 ref.)

[A case of paratesticular rhabdomyosarcoma] Nishida A, et al. **Hinyokika Kiyo** 1990 Sep;36(9):1089–92 (9 ref.) (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Computed tomography and angiogram of primary hepatic rhabdomyosarcoma: report of two adult cases. Hayakawa K, et al. **Radiat Med** 1990 Mar–Apr;8(2):35–9 (13 ref.)

THERAPY

Pediatric genitourinary tumors. Issa MM, et al. **Curr Opin Oncol** 1991 Jun;3(3):545–52 (66 ref.)

RHEOGRAPHY see **PLETHYSMOGRAPHY, IMPEDANCE**

RHEOLOGY

see related
FLOWMETERS

Haemorheology on the horizon. Mukherjee M, et al. **J Assoc Physicians India** 1990 Oct;38(10):791–2 (8 ref.)

[The clinical rheological laboratory] Kiesewetter H, et al. **Biomed Tech (Berlin)** 1990 Oct;35(10):219–23 (24 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Technological advances in blood rheology. Stuart J, et al. **Crit Rev Clin Lab Sci** 1990;28(1):61–93 (214 ref.)

RHESUS BLOOD-GROUP SYSTEM see **RH-HR BLOOD-GROUP SYSTEM**

RHEUMATIC DISEASES

Pregnancy in the patient with rheumatic disease: the obstetrician's perspective. Dudley DJ, et al. **Baillieres Clin Rheumatol** 1990 Apr;4(1):141–56 (72 ref.)

Overlap syndromes, mixed connective tissue disease, and eosinophilic fasciitis. Maddison PJ. **Curr Opin Rheumatol** 1989 Dec;1(4):523–8 (10 ref.)

BLOOD

Hematologic disorders in rheumatic disease. Sturrock RD. **Curr Opin Rheumatol** 1991 Feb;3(1):172 (2 ref.)

CHEMICALLY INDUCED

Rheumatological symptoms due to retinoids. Kaplan G, et al. **Baillieres Clin Rheumatol** 1991 Apr;5(1):77–97 (82 ref.)

Rheumatological side-effects of quinolones. Ribard P, et al. **Baillieres Clin Rheumatol** 1991 Apr;5(1):175–91 (66 ref.)

Rheumatic syndromes caused by antirheumatic drugs. Rooney PJ, et al. **Baillieres Clin Rheumatol** 1991 Apr; 5(1):139–73 (312 ref.)

CLASSIFICATION

[Soft tissue rheumatism. Frequent disease picture in the framework of non-systemic inflammatory soft tissue rheumatism] Brückle W. **Fortschr Med** 1990 Oct 30; 108(31):581–5 (10 ref.) (Eng. Abstr.) **(Ger)**

[Classification of rheumatic diseases. Knowledge and problems] Leistner K, et al. **Z Gesamte Inn Med** 1990 Dec 15;45(24):744–7 (7 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

AIDS and the rheumatic diseases. Winchester R. **Bull Rheum Dis** 1990;39(5):1–10 (71 ref.)

Ocular complications of rheumatic diseases of childhood. Petty RE. **Clin Orthop** 1990 Oct;(259):51–9 (44 ref.)

Vasculitic syndromes associated with other rheumatic conditions and unclassified systemic vasculitis. Bacon PA. **Curr Opin Rheumatol** 1991 Feb;3(1):56–61 (29 ref.)

Vasculitic syndromes associated with other rheumatic conditions and unclassified systemic vasculitis. Bacon PA. **Curr Opin Rheumatol** 1990 Feb;2(1):87–92 (24 ref.)

Gastrointestinal disorders and rheumatic diseases. Parke AL. **Curr Opin Rheumatol** 1991 Feb;3(1):160–5 (41 ref.)

Endocrine disorders with rheumatic manifestations. Schwarzer AC, et al. **Curr Opin Rheumatol** 1989 Dec; 1(4):533–9 (13 ref.)

Hematologic disorders with rheumatic manifestations. Sturrock RD. **Curr Opin Rheumatol** 1989 Dec;1(4):551–3 (6 ref.)

Septic arthritis and other infections of rheumatologic significance. Goldenberg DL. **Rheum Dis Clin North Am** 1991 Feb;17(1):149–56 (23 ref.)

[Rheumatic manifestations in HIV infection] Seglias J, et al. **Z Rheumatol** 1990 Nov–Dec;49(6):324–8 (41 ref.) (Eng. Abstr.) **(Ger)**

[Current problems in the pathogenesis of vasculitis in rheumatic diseases] Poltyrev AS. **Ter Arkh** 1990; 62(9):147–51 (101 ref.) **(Rus)**

DIAGNOSIS

Advances in clinical immunology. Merryman P. **Bull Hosp Jt Dis Orthop Inst** 1991 Spring;51(1):12–21 (36 ref.)

Lesser metatarsalgia. Rheumatologic considerations. Higgins KR, et al. **Clin Podiatr Med Surg** 1990 Oct;7(4):751–63 (14 ref.)

Laboratory tests for rheumatic diseases. Yancey WB Jr, et al. **Postgrad Med** 1991 Feb 1;89(2):93–6, 99–100, 103 passim (17 ref.)

[Laboratory studies in rheumatology—essential and non-essential laboratory diagnosis] Kolarz G. **Verh Dtsch Ges Inn Med** 1990;96:326–31 (16 ref.) **(Ger)**

[Bronchoalveolar lavage in diseases of rheumatic origin] Petermann W. **Z Rheumatol** 1990 Sep–Oct;49(5):291–3 (30 ref.) (Eng. Abstr.) **(Ger)**

DIET THERAPY

Antirheumatic effects of fasting. Palmblad J, et al. **Rheum Dis Clin North Am** 1991 May;17(2):351–62 (41 ref.)

DRUG THERAPY

Antirheumatic drugs in pregnancy and lactation. Brooks PM, et al. **Baillieres Clin Rheumatol** 1990 Apr;4(1):157–71 (112 ref.)

The risks of local and systemic corticosteroid administration. Cooper C, et al. **Baillieres Clin Rheumatol** 1991 Aug; 4(2):305–32 (210 ref.)

D-penicillamine. Joyce DA. **Baillieres Clin Rheumatol** 1990 Dec;4(3):553–74 (112 ref.)

Azathioprine, cyclophosphamide and chlorambucil. Luqmani RA, et al. **Baillieres Clin Rheumatol** 1990 Dec;4(3):595–619 (138 ref.)

Guidelines on the use of antirheumatic drugs in women during pregnancy and child-bearing age. Preston S, et al. **Baillieres Clin Rheumatol** 1990 Dec;4(3):687–98 (71 ref.)

Aspirin versus the non-acetylated salicylates. Rainsford KD, et al. **Baillieres Clin Rheumatol** 1991 Aug;4(2):247–68 (210 ref.)

Antimalarials in rheumatic diseases. Tett S, et al. **Baillieres Clin Rheumatol** 1990 Dec;4(3):467–89 (148 ref.)

Overview of corticosteroid therapy in the different rheumatic diseases of childhood. Fink CW. **Clin Exp Rheumatol** 1991 Jan–Feb;9 Suppl 6:9–13 (25 ref.)

Mechanisms of action, dosage schedules, and side effects of steroid therapy. Kimberly RP. **Curr Opin Rheumatol** 1991 Jun;3(3):373–9 (68 ref.)

Immunosuppressive drug therapy for rheumatic disease. McCune WJ, et al. **Curr Opin Rheumatol** 1991 Jun; 3(3):355–62 (36 ref.)

Tenoxicam. An update of its pharmacology and therapeutic efficacy in rheumatic diseases. Todd PA, et al. **Drugs** 1991 Apr;41(4):625–46 (167 ref.)

Prostaglandin E1: is it useful? [editorial] Zurier RB. **J Rheumatol** 1990 Nov;17(11):1439–41 (33 ref.)

[Rheumatic manifestations—when and how to treat?] Schattenkirchner M. **Verh Dtsch Ges Inn Med** 1990; 96:95–105 (7 ref.) **(Ger)**

[Drug-induced lung changes in rheumatology] Costabel U. **Z Rheumatol** 1990 Sep–Oct;49(5):284–90 (48 ref.) (Eng. Abstr.) **(Ger)**

[Sulfasalazine in rheumatology] Nurchis P, et al. **Ann Ital Med Int** 1990 Jul–Sep;5(3 Pt 1):186–91 (0 ref.) (Eng. Abstr.) **(Ita)**

[Effect of non-steroidal anti-inflammatory drugs on the stomach] Svintsitskii AS. **Klin Med (Mosk)** 1990 Sep; 68(9):18–22 (53 ref.) **(Rus)**

[The use of thymus preparations in treating patients with rheumatic diseases] Svintsitskii AS. **Ter Arkh** 1991; 63(5):137–40 (81 ref.) **(Rus)**

[The use of dimethylsulfoxide in rheumatic diseases (a review of the literature)] Lapshin DE, et al. **Vrach Delo** 1991 Jan; (1):14–9 (59 ref.) **(Rus)**

ECONOMICS

Health care economics and policy. Lubeck DP. **Curr Opin Rheumatol** 1991 Apr;3(2):286–90 (18 ref.)

EPIDEMIOLOGY

Review of UK data on the rheumatic diseases—5. Ankylosing spondylitis. Rigby AS. **Br J Rheumatol** 1991 Feb;30(1):50–3 (41 ref.)

The epidemiology of rheumatic diseases. Spector TD. **Curr Opin Rheumatol** 1991 Apr;3(2):266–71 (50 ref.)

Rheumatic diseases in the U.S.S.R. Benevolenskaya LI. **Rheum Dis Clin North Am** 1990 Aug;16(3):773–81 (4 ref.)

Design and conduct of collaborative international epidemiologic studies of rheumatic diseases. Heyse SP. **Rheum Dis Clin North Am** 1990 Aug;16(3):763–72 (15 ref.)

Rheumatic diseases of childhood. Singsen BH. **Rheum Dis Clin North Am** 1990 Aug;16(3):581–99 (108 ref.)

ETIOLOGY

Calcium pyrophosphate deposition disease and other crystal deposition diseases. Doherty M. **Curr Opin Rheumatol** 1990 Oct;2(5):789–96 (29 ref.)

Rheumatic manifestations of neoplasia. Schwarzer AC, et al. **Curr Opin Rheumatol** 1991 Feb;3(1):145–54 (45 ref.)

Rheumatic manifestations of neoplasia. Schwarzer AC, et al. **Curr Opin Rheumatol** 1989 Dec;1(4):545–50 (5 ref.)

[Reactive arthritis and juxta-articular rheumatism in Trichomonas vaginitis] Bianucci G, et al. **Rev Rhum Mal Osteoartic** 1991 Jun;58(6):473–5 (21 ref.) **(Fre)**

[Rheumatological syndromes in nonspecific ulcerative colitis and Crohn's disease] Krikunov VP, et al. **Ter Arkh** 1991; 63(5):140–4 (53 ref.) **(Rus)**

GENETICS

[Immunogenetics: clinical and population aspects. HLA system: clinical correlations. I. (2d of 5 parts)] Contu L, et al. **Ann Ital Med Int** 1991 Jan–Mar;6(1 Pt 1):17–55 (198 ref.) **(Ita)**

IMMUNOLOGY

Antinuclear antibodies and disease specificity. Mongey AB, et al. **Adv Intern Med** 1991;36:151–69 (93 ref.)

Sex ratios and hormones in HLA related rheumatic diseases. James WH. **Ann Rheum Dis** 1991 Jun;50(6):401–4 (44 ref.)

HLA class III molecules and autoimmune rheumatic diseases. Arnett FC, et al. **Clin Exp Rheumatol** 1991 May–Jun; 9(3):289–96 (77 ref.)

Diversity and origin of rheumatologic autoantibodies. Fritzler MJ, et al. **Clin Microbiol Rev** 1991 Jul;4(3):256–69 (145 ref.)

The consensus workshops for the detection of autoantibodies to intracellular antigens in rheumatic diseases. van Venrooij WJ, et al. **J Immunol Methods** 1991 Jul 5;140(2):181–9 (16 ref.)

HLA-B27 and rheumatic diseases of childhood. Petty RE. **J Rheumatol Suppl** 1990 Nov;26:7–10 (36 ref.)

Mixed cryoglobulinemia cross-reactive idiotypes: implications for the relationship of MC to rheumatic and lymphoproliferative diseases. Gorevic PD, et al. **Semin Hematol** 1991 Apr;28(2):79–94 (147 ref.)

[Is fibrositis an immuno-rheumatologic disease?] Leroux JL, et al. **Rev Rhum Mal Osteoartic** 1990 Jul–Sep;57(7–8):513–6 (12 ref.) (Eng. Abstr.) **(Fre)**

[Determination of antinuclear antibodies in rheumatic diseases] Endresen GK, et al. **Tidsskr Nor Laegeforen** 1991 Feb 28;111(6):716–9 (15 ref.) (Eng. Abstr.) **(Nor)**

METABOLISM

Circulating extracellular matrix components as markers for connective tissue response to inflammation. A clinical and experimental study with special emphasis on serum aminoterminal type III procollagen peptide in rheumatic diseases. Hørslev-Petersen K. **Dan Med Bull** 1990 Aug; 37(4):308–29 (248 ref.)

MICROBIOLOGY

Are retroviruses involved in the aetiology of rheumatic diseases? Kalden JR, et al. **Br J Rheumatol** 1991;30 Suppl 1:63–9 (59 ref.)

The immune response to autoantigens and viruses in rheumatic disease. Venables PJ, et al. **Br J Rheumatol** 1991; 30 Suppl 1:70–4 (44 ref.)

PATHOLOGY

[Renal damage associated with rheumatoid diseases] Ota Z, et al. **Ryumachi** 1990 Jun;30(3):212–22 (72 ref.) **(Jpn)**

[Structural changes in the gastric mucosa of patients with rheumatic diseases (a review of the literature)] Svinitskii AS, et al. **Vrach Delo** 1990 Jul;(7):41–5 (49 ref.) **(Rus)**

PHYSIOPATHOLOGY

Effects of human immunodeficiency virus infection on the expression of rheumatic illness. Furie RA. **Rheum Dis Clin North Am** 1991 Feb;17(1):177–88 (24 ref.)

Painful rheumatic syndromes associated with human immunodeficiency virus infection. Rynes RI. **Rheum Dis Clin North Am** 1991 Feb;17(1):79–87 (13 ref.)

Selenium in rheumatic diseases. Peretz AM, et al. **Semin Arthritis Rheum** 1991 Apr;20(5):305–16 (125 ref.)

PSYCHOLOGY

Psychosocial aspects of rheumatic disease: the developing biopsychosocial framework. Wegener ST. **Curr Opin Rheumatol** 1991 Apr;3(2):300–4 (25 ref.)

Psychological factors affecting pulmonary and rheumatologic diseases. A review. Moran MG. **Psychosomatics** 1991 Winter;32(1):14–23 (71 ref.)

RADIOGRAPHY

[Manifestation of rheumatic diseases of the lung. Roentgenologic changes] Lingg G, et al. **Z Rheumatol** 1990 Sep–Oct;49(5):268–78 (21 ref.) (Eng. Abstr.) **(Ger)**

REHABILITATION

Rehabilitation and biomechanics. Biundo JJ Jr, et al. **Curr Opin Rheumatol** 1991 Apr;3(2):291–9 (25 ref.)

THERAPY

New approaches for antirheumatic therapy. Kirkham B, et al. **Baillieres Clin Rheumatol** 1990 Dec;4(3):649–61 (58 ref.)

Can clinical trials in rheumatology be improved? Blair PS, et al. **Curr Opin Rheumatol** 1991 Apr;3(2):272–9 (24 ref.)

Exercise in patients with inflammatory arthritis and connective tissue disease. Hicks JE. **Rheum Dis Clin North Am** 1990 Nov;16(4):845–70 (63 ref.)

Aquatic therapy for patients with rheumatic disease. McNeal RL. **Rheum Dis Clin North Am** 1990 Nov;16(4):915–29 (22 ref.)

[Alternative treatment methods in rheumatic diseases; a literature review] Jacobs JW, et al. **Ned Tijdschr Geneeskd** 1991 Feb 23;135(8):317–22 (17 ref.) (Eng. Abstr.) **(Dut)**

[Combination therapy in rheumatology] Keitel W. **Z Arztl Fortbild (Jena)** 1991 May 10;85(9):410–5 (9 ref.) **(Ger)**

[Balneological (Spa) therapy for rheumatic diseases] Sukenik S, et al. **Harefuah** 1990 Sep;119(5–6):165–70 (40 ref.) **(Heb)**

RHEUMATIC FEVER

Clinical aspects of acute rheumatic fever. Homer C, et al. **J Rheumatol Suppl** 1991 Apr;29:2–13 (38 ref.)

[Rheumatic fever] Gerloni V, et al. **Pediatr Med Chir** 1990 Sep–Oct;12(5):433–40 (38 ref.) (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Rheumatic pneumonia in a 10-year old Ethiopian child. Ephrem D. **East Afr Med J** 1990 Oct;67(10):740–2 (14 ref.)

EPIDEMIOLOGY

[Up-date on the epidemiology of rheumatic diseases] Melino C, et al. **Clin Ter** 1990 Jul 31;134(2):133–49 (40 ref.) (Eng. Abstr.) **(Ita)**

[Current status and prevention of rheumatic fever (editorial)] Gómez-Reino FJ, et al. **An Esp Pediatr** 1991 Feb; 34(2):97–102 (41 ref.) **(Spa)**

ETIOLOGY

Rheumatic fever. Kaplan EL. **Curr Opin Rheumatol** 1990 Oct;2(5):836–8 (7 ref.)

MICROBIOLOGY

Group A streptococcal infections and acute rheumatic fever. Bisno AL. **N Engl J Med** 1991 Sep 12;325(11):783–93 (150 ref.)

RHEUMATIC HEART DISEASE

COMPLICATIONS

[The role of surgery and percutaneous valvuloplasty in conservative treatment of post-rheumatic mitral stenosis] Zingone B, et al. **G Ital Cardiol** 1990 Jun;20(6):576–82 (81 ref.) **(Ita)**

IMMUNOLOGY

[Streptococci, molecular mimicry and APO titer] Fantini F. **Boll Ist Sieroter Milan** 1989;68(2):108–14 (21 ref.) **(Ita)**

[Anti-endocardium antibodies and inversion of autoimmunity mechanisms in the chronic phase of rheumatic fever] Argüelles E. **Arq Bras Cardiol** 1990 May;54(5):343–6 (27 ref.) **(Por)**

SURGERY

Mitral valvuloplasty for rheumatic heart disease. Antunes MJ. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):164–75 (33 ref.)

RHEUMATISM

RHEUMATISM see **RHEUMATIC DISEASES**

RHEUMATISM, MUSCULAR see **FIBROMYALGIA**

RHEUMATISM, PERI-EXTRA-ARTICULAR see **POLYMYALGIA RHEUMATICA**

RHEUMATOID FACTOR

ANALYSIS

[Rheumatoid factor--recent advances in measurements and their problems] Kobayashi S, et al. **Ryumachi** 1990 Oct; 30(5):436–44 (47 ref.) **(Jpn)**

IMMUNOLOGY

Rheumatoid factors and complex formation. The role of light-chain framework sequences and glycosylation. Hay FC, et al. **Clin Orthop** 1991 Apr;(265):54–62 (65 ref.)

HLA susceptibility genes in rheumatoid factor positive juvenile rheumatoid arthritis. Vehe RK, et al. **J Rheumatol Suppl** 1990 Nov;26:11–5 (58 ref.)

PHYSIOLOGY

New roles for rheumatoid factor. Carson DA, et al. **J Clin Invest** 1991 Feb;87(2):379–83 (49 ref.)

RHEUMATOID PURPURA see **PURPURA, SCHOENLEIN-HENOCH**

RHEUMATOLOGY

see related
COLLAGEN DISEASES
RHEUMATIC DISEASES

[The development of research studies in rheumatology in 1989 (based on an analysis of Soviet and non-Soviet literature)] Iakusheva EO, et al. **Revmatologiia (Mosk)** 1990 Oct-Dec;(4):54–9 (83 ref.) **(Rus)**

EDUCATION

Research priorities for arthritis professional education. Palchik NS, et al. **Arthritis Rheum** 1991 Feb;34(2):234–40 (23 ref.)

TRENDS

Population projections and the effect on rheumatology. Badley EM. **Ann Rheum Dis** 1991 Jan;50(1):3–6 (21 ref.)

Diagnostic criteria for Sjögren's syndrome: the state of the art. Vitali C, et al. **Clin Exp Rheumatol** 1990 Jul-Aug;8 Suppl 5:13–6 (28 ref.)

Frozen shoulder: current concepts [see comments] Baslund B, et al. **Scand J Rheumatol** 1990;19(5):321–5 (29 ref.) Comment in: Scand J Rheumatol 1991;20(2):138.

Some recent clinical approaches to osteoarthritis research. Dieppe P. **Semin Arthritis Rheum** 1990 Dec;20(3 Suppl 1):2–11 (52 ref.)

RHINENCEPHALON see **LIMBIC SYSTEM**

RHINITIS

Chronic rhinitis. Druce HM. **Allergy Proc** 1990 Nov-Dec; 11(6):295–8 (25 ref.)

COMPLICATIONS

[Clinical and pathogenic aspects of NARES (non-allergic rhinitis with eosinophilic syndrome)] Moneret-Vautrin DA, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991; 112(1):41–4 (34 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Occupational asthma and rhinitis: challenge tests and nasal hyperactivity: present practice and future perspectives] Grosclaude M, et al. **J Toxicol Clin Exp** 1989;9(1 Suppl Pt 2):7–13 (6 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

[ORL versus naso-sinusal allergy] Elbaz P. **Allerg Immunol (Paris)** 1991 Jan;23(1):19–22 (1 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Basophils, mast cells and eosinophils and their precursors in allergic rhinitis. Denburg JA. **Clin Exp Allergy** 1991 Jan; 21 Suppl 1:253–8 (20 ref.)

PHYSIOPATHOLOGY

Plasma exudation in tracheobronchial and nasal airways: a mucosal defence mechanism becomes pathogenic in asthma and rhinitis. Persson CG. **Eur Respir J Suppl** 1990 Dec; 12:652s–656s; discussion 656s–657s (27 ref.)

Nasal pathophysiology. Widdicombe JG. **Respir Med** 1990 Nov;84 Suppl A:3–9; discussion 9–10 (27 ref.)

VETERINARY

[Pigeon coryza--ornithosis--pigeon breeder's lung] Fritzsche K. **DTW Dtsch Tierarztl Wochenschr** 1991 Apr;98(4):120–1 (0 ref.) (Eng. Abstr.) **(Ger)**

RHINITIS, ALLERGIC, NONSEASONAL see **RHINITIS, ALLERGIC, PERENNIAL**

RHINITIS, ALLERGIC, PERENNIAL

Allergic rhinitis. Trigg CJ, et al. **Arch Dis Child** 1991 May; 66(5):565–7 (38 ref.)

The inflammatory basis of rhinitis. Pipkorn U. **Rhinol Suppl** 1991;11:5–11 (23 ref.)

[Allergic rhinopathy: diagnosis and current therapy] Tripodi D, et al. **Clin Ter** 1990 Jul 31;134(2):85–94 (11 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

The role of leukotriene antagonists and inhibitors in the treatment of airway disease. Busse WW, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 2):S103–7 (45 ref.)

Allergic rhinitis: a practical approach. Engler DB, et al. **Hosp Pract [Off]** 1991 Jan 15;26(1):105–8, 111–2 (11 ref.)

Differential diagnosis of perennial rhinitis. Maran AG. **Rhinol Suppl** 1991;11:13–9 (20 ref.)

[Diagnosis of allergic rhinitis. II. Laboratory studies--milieu analysis--literature] Albegger K. **HNO** 1991 May; 39(5):163–7 (44 ref.) **(Ger)**

[Diagnosis of allergic rhinitis. I. Anamnesis--ENT medical examination--skin tests--intranasal provocation] Albegger K. **HNO** 1991 Mar;39(3):77–81 (0 ref.) (Eng. Abstr.) **(Ger)**

[Perennial rhinopathy. A brief synopsis] Wüthrich B. **Schweiz Rundsch Med Prax** 1991 Apr 2;80(14):353–6 (31 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Levocabastine. A review of its pharmacological properties and therapeutic potential as a topical antihistamine in allergic rhinitis and conjunctivitis. Dechant KL, et al. **Drugs** 1991 Feb;41(2):202–24 (26 ref.)

Perennial allergic rhinitis: clinical efficacy of a new antihistamine. Berman BA. **J Allergy Clin Immunol** 1990 Dec;86(6 Pt 2):1004–8 (5 ref.)

Pharmacotherapy of asthma and allergic rhinitis. Milavetz G, et al. **Prim Care** 1990 Sep;17(3):685–701 (27 ref.)

Pharmacological management of perennial rhinitis. Mygind N. **Rhinol Suppl** 1991;11:21–6 (6 ref.)

[The symptomatic therapy of allergic rhinitis] Albegger K. **Laryngorhinootologie** 1990 Dec;69(12):613–20 (43 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

Different prevalence and degree of nonspecific bronchial hyperreactivity between seasonal and perennial rhinitis. Verdiani P, et al. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 1):576–82 (33 ref.)

IMMUNOLOGY

The role of leukotrienes in allergic rhinitis: a review. Naclerio RM, et al. **Am Rev Respir Dis** 1991 May;143(5 Pt 2):S91–5 (41 ref.)

[Current pathophysiologic aspects of allergic rhinitis. I] Albegger K. **HNO** 1990 Sep;38(9):305–8 (0 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

The role of histamine in allergic rhinitis. Naclerio RM. **J Allergy Clin Immunol** 1990 Oct;86(4 Pt 2):628–32 (15 ref.)

[Advances in the research on mediators in nasal secretions] Gu Z, et al. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1989;24(2):112–5 (21 ref.) **(Chi)**

[Current pathophysiologic aspects of allergic rhinitis. III] Albegger K. **HNO** 1990 Dec;38(12):431–9 (196 ref.) **(Ger)**

[Current pathophysiologic aspects of allergic rhinitis, II] Albegger K. **HNO** 1990 Nov;38(11):389–95 (0 ref.) **(Ger)**

THERAPY

Recent advances in specific immunotherapy for allergic rhinitis. Bousquet J, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:259–61 (14 ref.)

Allergic rhinitis. Naclerio RM. **N Engl J Med** 1991 Sep 19; 325(12):860–9 (97 ref.)

RHINITIS, ALLERGIC, SEASONAL see **HAY FEVER**

RHINITIS, ATROPHIC

Atrophic rhinitis. Goodman WS, et al. **Otolaryngol Clin North Am** 1973 Oct;6(3):773–82 (5 ref.)

RHINOPHARYNX see **NASOPHARYNX**

RHINOPHYMA

[Rhinophyma] Moulin G, et al. **Ann Dermatol Venereol** 1991; 118(4):319–22 (16 ref.) **(Fre)**

RHINOPLASTY

Submucous operations on the nasal septum. Bernstein L. **Otolaryngol Clin North Am** 1973 Oct;6(3):675–92 (14 ref.)

Septorhinoplasty in children. Farrior RT, et al. **Otolaryngol Clin North Am** 1970 Jun;3(2):345–64 (25 ref.)

ADVERSE EFFECTS

[Complications of rhinoplasty] Busca GP, et al. **Acta Otorhinolaryngol Ital** 1990;10 Suppl 31:1–37 (130 ref.) (Eng. Abstr.) **(Ita)**

METHODS

The external approach for rhinoplasty and septoplasty. Jones AS. **Clin Otolaryngol** 1991 Feb;16(1):97–9 (22 ref.)

Nose and paranasal augmentation: autogenous, fascia, and cartilage. Guerrerosantos J. **Clin Plast Surg** 1991 Jan; 18(1):65–86 (32 ref.)

Analysis and correction of the crooked nose. Ellis DA, et al. **J Otolaryngol** 1991 Feb;20(1):14–8 (4 ref.)

Nasal septoplasty. Beekhuis GJ. **Otolaryngol Clin North Am** 1973 Oct;6(3):693–710 (15 ref.)

Minor intranasal procedures. Donald PJ. **Otolaryngol Clin North Am** 1973 Oct;6(3):715–25 (2 ref.)

Nasal fistulas. Krause CJ. **Otolaryngol Clin North Am** 1973 Oct;6(3):791–800 (2 ref.)

Septal dermoplasty for hereditary telangiectasia and other conditions. Saunders WH. **Otolaryngol Clin North Am** 1973 Oct;6(3):745–55 (7 ref.)

Septal perforations. Tardy ME Jr. **Otolaryngol Clin North Am** 1973 Oct;6(3):711–3 (3 ref.)

[Skull vault bone graft in augmentation septorhinoplasty] Mayot D, et al. **Ann Otolaryngol Chir Cervicofac** 1990; 107(8):571–6 (10 ref.) (Eng. Abstr.) **(Fre)**

[Implants in reconstructive surgery of the nasal bone] Trybus M. **Polim Med** 1990;20(1–4):15–23 (57 ref.) (Eng. Abstr.) **(Pol)**

RHINOVIRUSES

IMMUNOLOGY

The role of neutrophils in the pathogenesis of rhinovirus infections. Turner RB. **Pediatr Infect Dis J** 1990 Nov; 9(11):832–5 (32 ref.)

RHIZOBIACEAE

METABOLISM

Ammonia movements in rhizobia. Glenn AR, et al. **Microbiol Sci** 1985 Jun;2(6):161–2, 165–7 (25 ref.)

RHIZOBIUM

GENETICS

Genetic analyses of Rhizobium meliloti exopolysaccharides. Glazebrook J, et al. **Int J Biol Macromol** 1990 Apr; 12(2):67–70 (46 ref.)

METABOLISM

Exopolysaccharide production in Rhizobium and its role in invasion. Gray JX, et al. **Mol Microbiol** 1990 Sep; 4(9):1425–31 (51 ref.)

RHO FACTOR

PHYSIOLOGY

Preventing the synthesis of unused transcripts by Rho factor. Richardson JP. **Cell** 1991 Mar 22;64(6):1047–9 (18 ref.)

RHODAMINES

CHEMISTRY

Preparation of marked microtubules for the assay of the polarity of microtubule-based motors by fluorescence. Hyman AA. **J Cell Sci Suppl** 1991;14:125–7 (15 ref.)

THERAPEUTIC USE

Photodynamic therapy using rhodamine-123 as a new laser dye: biodistribution, metabolism and histology in New Zealand rabbits. Castro DJ, et al. **Laryngoscope** 1991 Feb; 101(2):158–64 (26 ref.)

RHODOBACTER CAPSULATUS

ENZYMOLOGY

The functions and synthesis of bacterial c-type cytochromes with particular reference to Paracoccus denitrificans and Rhodobacter capsulatus. Ferguson SJ. **Biochim Biophys Acta** 1991 May 23;1058(1):17–20 (45 ref.)

GENETICS

Organization and regulation of nitrogen fixation genes of Rhodopseudomonas capsulata. Haselkorn R. **Microbiol Sci** 1984 Nov;1(8):194–9 (24 ref.)

RHODOBACTER SPHAEROIDES

GENETICS

Recent studies on the molecular biology and biochemistry of CO2 fixation in phototrophic bacteria. Tabita FR, et al. **FEMS Microbiol Rev** 1990 Dec;7(3–4):437–43 (24 ref.)

METABOLISM

High-resolution structures of photosynthetic reaction centers. Deisenhofer J, et al.
Annu Rev Biophys Biophys Chem 1991;20:247–66 (117 ref.)

RHODOCOCCUS

ISOLATION & PURIFICATION

Rhodococcus equi infection in the patient with AIDS: literature review and report of an unusual case. Emmons W, et al. **Rev Infect Dis** 1991 Jan–Feb;13(1):91–6 (37 ref.)
Rhodococcus equi infection in patients with and without human immunodeficiency virus infection. Harvey RL, et al. **Rev Infect Dis** 1991 Jan–Feb;13(1):139–45 (36 ref.)
Rhodococcus equi—an easily missed opportunistic pathogen. Doig C, et al. **Scand J Infect Dis** 1991;23(1):1–6 (25 ref.)

PATHOGENICITY

Rhodococcus equi: an animal and human pathogen. Prescott JF. **Clin Microbiol Rev** 1991 Jan;4(1):20–34 (199 ref.)

RHODOPSEUDOMONAS

METABOLISM

High-resolution structures of photosynthetic reaction centers. Deisenhofer J, et al.
Annu Rev Biophys Biophys Chem 1991;20:247–66 (117 ref.)

RHODOPSEUDOMONAS CAPSULATUS see **RHODOBACTER CAPSULATUS**

RHODOPSEUDOMONAS SPHAEROIDES see **RHODOBACTER SPHAEROIDES**

RHODOPSIN

Photophysics and molecular electronic applications of the rhodopsins. Birge RR. **Annu Rev Phys Chem** 1990; 41:683–733 (345 ref.)

CHEMISTRY

Time-resolved photoacoustic calorimetry: a study of myoglobin and rhodopsin. Peters KS, et al.
Annu Rev Biophys Biophys Chem 1991;20:343–62 (64 ref.)
The structure of G-protein-linked receptors. Findlay JB, et al. **Biochem Soc Symp** 1990;56:1–8 (15 ref.)

GENETICS

Ocular findings in a form of retinitis pigmentosa with a rhodopsin gene defect. Berson EL.
Trans Am Ophthalmol Soc 1990;88:355–88 (106 ref.)

METABOLISM

Surfaces of interaction between Gt and rhodopsin in the GDP-bound and empty-pocket configurations. Hamm HE. **Adv Second Messenger Phosphoprotein Res** 1990;24:76–82 (15 ref.)
The molecular basis of GTP-binding protein interaction with receptors. Hamm HE, et al. **Biochem Soc Symp** 1990; 56:35–44 (32 ref.)
Membrane phospholipids as an energy source in the operation of the visual cycle. Rando RR. **Biochemistry** 1991 Jan 22; 30(3):595–602 (40 ref.)

PHYSIOLOGY

Visual excitation and recovery. Stryer L. **J Biol Chem** 1991 Jun 15;266(17):10711–4 (67 ref.)

RHODOSPIRILLUM

ENZYMOLOGY

[The role of propionyl-CoA carboxylase in the biosynthesis of antibiotics] Kirsanov AIu, et al. **Antibiot Khimioter** 1991 Apr;36(4):32–5 (62 ref.) **(Rus)**

RHOMBENCEPHALIC SLEEP see **SLEEP, REM**

RHOMBENCEPHALON

ANATOMY & HISTOLOGY

[The limbic system and the problem of the evolution of the vertebrate hindbrain] Belekhova MG.
Zh Evol Biokhim Fiziol 1990 Jul–Aug;26(4):537–49 (78 ref.) **(Rus)**

EMBRYOLOGY

Krox-20: a candidate gene for the regulation of pattern formation in the hindbrain. Gilardi P, et al. **Biochimie** 1991 Jan;73(1):85–91 (53 ref.)
The cellular basis of segmentation in the developing hindbrain. Lumsden A. **Trends Neurosci** 1990 Aug; 13(8):329–35 (36 ref.)
Molecular approaches to the segmentation of the hindbrain. Wilkinson DG, et al. **Trends Neurosci** 1990 Aug;13(8):335–9 (39 ref.)

RHONCHI see **RESPIRATORY SOUNDS**

RHYTHM METHOD

Contraception—a look forward, Part I: New spermicides and natural family planning. Woolley RJ.
J Am Board Fam Pract 1991 Jan–Feb;4(1):33–46 (90 ref.)

RHYTHMICITY see **PERIODICITY**

RHYTIDECTOMY see **RHYTIDOPLASTY**

RHYTIDOPLASTY

The face lift and ancillary procedures. Fuleihan NS, et al. **J Dermatol Surg Oncol** 1990 Oct;16(10):975–87 (27 ref.)

METHODS

Rhytidectomy: suprazygomatic and infrazygomatic SMAS treatment. Morales P. **Aesthetic Plast Surg** 1991 Winter; 15(1):35–42 (28 ref.)
The triple facelift. Current approach. Faivre J.
Arch Otolaryngol Head Neck Surg 1991 Jan;117(1):47–53 (25 ref.)
Cervicofacial liposuction: results and controversies [see comments] Adamson PA, et al. **J Otolaryngol** 1990 Aug; 19(4):267–73 (7 ref.) Comment in: J Otolaryngol 1991 Feb;20(1):69.

RIBAVIRIN

ANALOGS & DERIVATIVES

Regulation of de novo and salvage pathways in chemotherapy. Weber G, et al. **Adv Enzyme Regul** 1991; 31:45–67 (37 ref.)

PHARMACOKINETICS

Ribavirin pharmacokinetics. Connor J.
Pediatr Infect Dis J 1990 Sep;9(9 Suppl):S91–2 (4 ref.)

PHARMACOLOGY

Molecular mechanisms of action of ribavirin. Patterson JL, et al. **Rev Infect Dis** 1990 Nov–Dec;12(6):1139–46 (39 ref.)

TOXICITY

Developmental toxicity and safety evaluations of ribavirin. Johnson EM. **Pediatr Infect Dis J** 1990 Sep;9(9 Suppl):S85–7 (4 ref.)

RIBOFLAVIN

METABOLISM

A light-induced tryptophan-riboflavin binding: biological implications. Silva E, et al. **Adv Exp Med Biol** 1991; 289:33–48 (81 ref.)

THERAPEUTIC USE

[Vitamins and immunity. Biotin, pantothenic acid and riboflavin] Pletsityi KD. **Vopr Pitan** 1990 Jul–Aug; (4):18–22 (55 ref.) **(Rus)**

RIBOFLAVIN DEFICIENCY

IMMUNOLOGY

[Vitamins and immunity. Biotin, pantothenic acid and riboflavin] Pletsityi KD. **Vopr Pitan** 1990 Jul–Aug; (4):18–22 (55 ref.) **(Rus)**

RIBONUCLEASES

METABOLISM

Ribonuclease, tRNA nucleotidyltransferase, and the 3' processing of tRNA. Deutscher MP.
Prog Nucleic Acid Res Mol Biol 1990;39:209–40 (158 ref.)

RIBONUCLEIC ACID see **RNA**

RIBONUCLEOPROTEINS

Functional dissection of the signal recognition particle. Siegel V, et al. **Trends Biochem Sci** 1988 Aug;13(8):314–6 (21 ref.)

GENETICS

Assembly and intracellular transport of snRNP particles. Andersen J, et al. **Bioessays** 1991 Feb;13(2):57–64 (64 ref.)
The trimethyl-guanosine cap is a nuclear targeting signal for snRNPs. Lamond AL. **Trends Biochem Sci** 1990 Dec; 15(12):451–2 (12 ref.)

METABOLISM

The primary pathway of protein export in E. coli. Bassford P, et al. **Cell** 1991 May 3;65(3):367–8 (26 ref.)

PHYSIOLOGY

Structure of spliceosomal snRNPs and their role in pre-mRNA splicing. Lührmann R, et al.
Biochim Biophys Acta 1990 Nov 30;1087(3):265–92 (194 ref.)
RNA splicing. Alive with DEAD proteins [news; comment] Wassarman DA, et al. **Nature** 1991 Feb 7;349(6309):463–4 (23 ref.) Comment on: Nature 1991 Feb 7;349(6309):487–93. Comment on: Nature 1991 Feb 7;349(6309):494–9.
Spliceosomes and snurposomes. Gall JG. **Science** 1991 Jun 14;252(5012):1499–500 (20 ref.)
Messenger RNA splicing in yeast: clues to why the spliceosome is a ribonucleoprotein. Guthrie C. **Science** 1991 Jul 12;253(5016):157–63 (83 ref.)

RIBONUCLEOTIDE REDUCTASES

GENETICS

Ribonucleotide reductase and its regulation during the cell cycle. Fernandez-Sarabia MJ, et al. **Trends Genet** 1990 Sep; 6(9):275–6 (12 ref.)

METABOLISM

The protective role of superoxide dismutase during activation of ribonucleotide reductase. Fontecave M, et al.
Adv Exp Med Biol 1990;264:29–35 (10 ref.)
Regulation and drug resistance mechanisms of mammalian ribonucleotide reductase, and the significance to DNA synthesis. Wright JA, et al. **Biochem Cell Biol** 1990 Dec; 68(12):1364–71 (61 ref.)

RIBOSEPHOSPHATE PYROPHOSPHOKINASE

METABOLISM

[Screening for enzyme abnormality causing hyperuricemia] Higashino K, et al. **Nippon Rinsho** 1991 May;49(5):1009–15 (21 ref.) **(Jpn)**
[Molecular biology of phosphoribosyl pyrophosphate synthetase super-or hyperactivity] Iizasa T.
Nippon Rinsho 1991 May;49(5):1030–5 (20 ref.) **(Jpn)**

RIBOSOMAL DNA see **DNA, RIBOSOMAL**

RIBOSOMAL FRAMESHIFT see **FRAMESHIFT MUTATION**

RIBOSOMAL PROTEINS

Comparative biochemistry and biophysics of ribosomal proteins. Liljas A. **Int Rev Cytol** 1991;124:103–36 (176 ref.)

METABOLISM

Methylation of proteins from the translational apparatus: an overview. Toledo H, et al.
Arch Biol Med Exp (Santiago) 1988 Jun;21(1):219–29 (72 ref.)
Recent progress in characterization of protein kinase cascades for phosphorylation of ribosomal protein S6. Sturgill TW, et al. **Biochim Biophys Acta** 1991 May 17;1092(3):350–7 (68 ref.)
Structure, expression, and regulation of protein kinases involved in the phosphorylation of ribosomal protein S6. Erikson RL. **J Biol Chem** 1991 Apr 5;266(10):6007–10 (62 ref.)

RIBOSOMAL RNA see **RNA, RIBOSOMAL**

5S RIBOSOMAL RNA see **RNA, RIBOSOMAL, 5S**

16S RIBOSOMAL RNA see **RNA, RIBOSOMAL, 16S**

18S RIBOSOMAL RNA see **RNA, RIBOSOMAL, 18S**

RIBOSOMES

see related
RNA, RIBOSOMAL

DRUG EFFECTS

Immunotoxins containing single-chain ribosome-inactivating proteins. Lambert JM, et al. **Cancer Treat Res** 1988; 37:175–209 (125 ref.)

IMMUNOLOGY

[Immunochemistry of eukaryotic ribosomes] Lopaczyński W, et al. **Postepy Hig Med Dosw** 1990;44(1–3):21–39 (99 ref.) (Eng. Abstr.) **(Pol)**

METABOLISM

Control points in eucaryotic ribosome biogenesis. Larson DE, et al. **Biochem Cell Biol** 1991 Jan;69(1):5–22 (227 ref.)

Scanning, internal initiation and the control of the initiation of protein synthesis. Donahue TF. **Curr Opin Cell Biol** 1990 Dec;2(6):1087–91 (33 ref.)
An RNA replisome as the ancestor of the ribosome. Campbell JH. **J Mol Evol** 1991 Jan;32(1):3–5 (20 ref.)
Recent advances in peptide chain termination. Craigen WJ, et al. **Mol Microbiol** 1990 Jun;4(6):861–5 (48 ref.)
Ribosome biogenesis in yeast. Raué HA, et al. **Prog Nucleic Acid Res Mol Biol** 1991;41:89–129 (228 ref.)

PHYSIOLOGY

Interaction between mRNA, ribosomes and the cytoskeleton. Hesketh JE, et al. **Biochem J** 1991 Jul 1;277 (Pt 1):1–10 (85 ref.)

RIBOVIRIN see **RIBAVIRIN**

RIBOZYMES see **RNA, CATALYTIC**

RIBS

Mesenchymoma of the chest wall in children. Eskelinen M, et al. **Ann Thorac Surg** 1991 Aug;52(2):291–3 (10 ref.)
Thoracic outlet syndrome caused by tumor of the first rib. Melliere D, et al. **J Vasc Surg** 1991 Aug;14(2):235–40 (13 ref.)
Primary Ewing sarcoma of rib. Moser RP Jr, et al. **Radiographics** 1990 Sep;10(5):899–914 (33 ref.)
[Giant cell tumor. Apropos of a costovertebral site] Barberet G, et al. **J Radiol** 1991 Feb;72(2):117–21 (14 ref.) (Eng. Abstr.) **(Fre)**
[Costal osteoid osteoma. Apropos of a case. Review of the literature] Montane de la Roque P, et al. **Rev Rhum Mal Osteoartic** 1991 Jan;58(1):43–5 (8 ref.) **(Fre)**

RIBULOSE BIPHOSPHATE CARBOXYLASE-OXYGENASE see **RIBULOSEBIPHOSPHATE CARBOXYLASE**

RIBULOSE DIPHOSPHATE CARBOXYLASE see **RIBULOSEBIPHOSPHATE CARBOXYLASE**

RIBULOSEBIPHOSPHATE CARBOXYLASE

BIOSYNTHESIS

Chaperone function: the assembly of ribulose bisphosphate carboxylase-oxygenase. Gatenby AA, et al. **Annu Rev Cell Biol** 1990;6:125–49 (89 ref.)

GENETICS

Regulation of nuclear genes encoding chloroplast proteins in transgenic plants. Fluhr R. **Dev Genet** 1990;11(3):197–204 (53 ref.)

ULTRASTRUCTURE

D-ribulose-1,5-bisphosphate carboxylase/oxygenase: function-dependent structural changes. Holzenburg A, et al. **Electron Microsc Rev** 1989;2(1):139–69 (94 ref.)

RICIN

Immunotoxins containing ricin. Vallera DA, et al. **Cancer Treat Res** 1988;37:141–59 (79 ref.)

CHEMISTRY

Toxin structure. Robertus JD. **Cancer Treat Res** 1988; 37:11–24 (45 ref.)

GENETICS

Genetic engineering of immunotoxins. Youle RJ, et al. **Cancer Treat Res** 1988;37:113–22 (48 ref.)

PHARMACOKINETICS

Prevention of carbohydrate-mediated clearance of ricin-containing immunotoxins by the liver. Blakey DC, et al. **Cancer Treat Res** 1988;37:457–73 (51 ref.)

PHARMACOLOGY

Toxin selection and modification: utilization of the A chain of ricin. Jansen FK, et al. **Cancer Treat Res** 1988;37:97–111 (39 ref.)

RICINUS

see related
RICIN

RICKETS

Nutritional rickets. Feldman KW, et al. **Am Fam Physician** 1990 Nov;42(5):1311–8 (19 ref.)
Rickets and osteomalacia are still around. Pitt MJ. **Radiol Clin North Am** 1991 Jan;29(1):97–118 (135 ref.)

ETIOLOGY

Rickets, osteomalacia, and osteopetrosis. Balsan S, et al. **Curr Opin Rheumatol** 1991 Jun;3(3):496–502 (48 ref.)

PATHOLOGY

Clinical disorders of vitamin D, renal osteodystrophy, and hypophosphatasia. Bontoux D, et al. **Curr Opin Rheumatol** 1990 Feb;2(1):12–9 (25 ref.)

RICKETS, RENAL see **RENAL OSTEODYSTROPHY**

RICKETS, VITAMIN D RESISTANT

COMPLICATIONS

[Solomon's syndrome associated with fibrous dysplasia of bone and vitamin-resistant rickets] Feldmann JL, et al. **Rev Rhum Mal Osteoartic** 1990 Dec;57(12):881–4 (37 ref.) **(Fre)**

CONGENITAL

Impetigo herpetiformis associated with hypocalcemia of congenital rickets. Holm AL, et al. **Arch Dermatol** 1991 Jan;127(1):91–5 (37 ref.)

GENETICS

X-linked hypophosphatemia: an appreciation of a classic paper and a survey of progress since 1958 [comment] Scriver CR, et al. **Medicine (Baltimore)** 1991 May; 70(3):218–28 (102 ref.) Comment on: Medicine (Baltimore) 1991 May;70(3):215–7.
Hereditary 1,25-dihydroxyvitamin D resistant rickets: molecular basis and implications for the role of 1,25(OH) 2D3 in normal physiology. Feldman D, et al. **Mol Cell Endocrinol** 1990 Sep 10;72(3):C57–62 (53 ref.)

RICKETTSIA

A comparative view of Rickettsia tsutsugamushi and the other groups of rickettsiae. Tamura A, et al. **Eur J Epidemiol** 1991 May;7(3):259–69 (104 ref.)

GENETICS

Genetics of rickettsiae. Mallavia LP. **Eur J Epidemiol** 1991 May;7(3):213–21 (61 ref.)
Molecular biology of rickettsiae. Winkler HH. **Eur J Epidemiol** 1991 May;7(3):207–12 (69 ref.)

PHYSIOLOGY

Rickettsia species (as organisms). Winkler HH. **Annu Rev Microbiol** 1990;44:131–53 (144 ref.)

ULTRASTRUCTURE

Some contributions of electron microscopy to the study of the rickettsiae. Silverman DJ. **Eur J Epidemiol** 1991 May; 7(3):200–6 (23 ref.)

RICKETTSIA INFECTIONS

DIAGNOSIS

Diagnosis of rickettsial diseases: a perspective. McDade JE. **Eur J Epidemiol** 1991 May;7(3):270–5 (25 ref.)

DRUG THERAPY

Rickettsial infection of the central nervous system: the role of prompt antimicrobial therapy. Shaked Y. **Q J Med** 1991 Apr;79(288):301–6 (50 ref.)

EPIDEMIOLOGY

Epidemiology of rickettsial diseases. Walker DH, et al. **Eur J Epidemiol** 1991 May;7(3):237–45 (96 ref.)
[Approaches to the molecular epidemiology of the rickettsioses] Balaeva NM. **Zh Mikrobiol Epidemiol Immunobiol** 1991 Jan;(1):72–5 (48 ref.) **(Rus)**

PREVENTION & CONTROL

Control of rickettsial diseases. Kazár J, et al. **Eur J Epidemiol** 1991 May;7(3):282–6 (42 ref.)

TRANSMISSION

Ecological questions concerning rickettsiae. Reháček J, et al. **Eur J Epidemiol** 1991 May;7(3):229–36 (64 ref.)

VETERINARY

[Equine monocytic ehrlichiosis (EME), a review] van der Kolk JH, et al. **Tijdschr Diergeneeskd** 1991 Jul 15; 116(14):721–7 (48 ref.) (Eng. Abstr.) **(Dut)**

RICKETTSIA RICKETTSII

PHYSIOLOGY

Rocky Mountain spotted fever. Weber DJ, et al. **Infect Dis Clin North Am** 1991 Mar;5(1):19–35 (74 ref.)

RICKETTSIA TSUTSUGAMUSHI

A comparative view of Rickettsia tsutsugamushi and the other groups of rickettsiae. Tamura A, et al. **Eur J Epidemiol** 1991 May;7(3):259–69 (104 ref.)

RICKETTSIACEAE INFECTIONS

The tribe Ehrlichieae and ehrlichial diseases. Rikihisa Y. **Clin Microbiol Rev** 1991 Jul;4(3):286–308 (190 ref.)
An overview of research on ehrlichiosis. Ristic M, et al. **Eur J Epidemiol** 1991 May;7(3):246–52 (54 ref.)

EPIDEMIOLOGY

Epidemiology of rickettsial diseases. Walker DH, et al. **Eur J Epidemiol** 1991 May;7(3):237–45 (96 ref.)

MICROBIOLOGY

Human ehrlichiosis. Edwards MS. **Adv Pediatr Infect Dis** 1991;6:163–78 (80 ref.)
Ehrlichiosis. Harkess JR. **Infect Dis Clin North Am** 1991 Mar; 5(1):37–51 (35 ref.)
[Microbial spectrum and microbiological diagnosis of infectious endocarditis] [see comments] Schubert S, et al. **Immun Infekt** 1991 Apr;19(2):38–41 (43 ref.) (Eng. Abstr.) Comment in: Immun Infekt 1991 Apr;19(2):37. **(Ger)**

VETERINARY

Control of Theileria species (other than East Coast fever and Theileria annulata infection), Ehrlichia and tick toxicosis: present situation and proposals for future control strategies. Young AS. **Parassitologia** 1990 Apr;32(1):41–54 (81 ref.)
Ehrlichial diseases of dogs. Woody BJ, et al. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):75–98 (39 ref.)

RICKETTSIALPOX see **RICKETTSIACEAE INFECTIONS**

RIDA see **SCRAPIE**

RIDA VIRUS see **SCRAPIE AGENT**

RIFAMPICIN see **RIFAMPIN**

RIFAMPIN

ADMINISTRATION & DOSAGE

[Pharmacokinetic aspects of tuberculosis therapy with a fixed combination of rifampicin, isoniazide and pyrazinamide] Schaberg T, et al. **Z Gesamte Inn Med** 1991 Jun;46(8):276–9 (17 ref.) (Eng. Abstr.) **(Ger)**
[Drugs for antibiotic- and chemotherapy of Q fever] Maksimovich MB. **Antibiot Khimioter** 1991 Feb;36(2):41–3 (61 ref.) **(Rus)**

ADVERSE EFFECTS

Adverse reactions to rifampicin given in daily regimens: a review. Gupta PR. **J Indian Med Assoc** 1990 Sep; 88(9):263–4 (26 ref.)
[Jaundice caused by rifampicin: 3 cases] Taillan B, et al. **Rev Med Interne** 1989 Sep-Oct;10(5):409–11 (19 ref.) (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Successful treatment of disseminated Fusarium infection in an immunocompromised child. Barrios NJ, et al. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):319–24 (34 ref.)
Brucella endocarditis: the role of combined medical and surgical treatment. Jacobs F, et al. **Rev Infect Dis** 1990 Sep-Oct;12(5):740–4 (44 ref.)

RIGHT TO DIE

LEGISLATION & JURISPRUDENCE

Beyond the Cruzan case: the U.S. Supreme Court and medical practice [see comments] Lo B, et al. **Ann Intern Med** 1991 May 15;114(10):895–901 (56 ref.) Comment in: Ann Intern Med 1991 Aug 1;115(3):234.
Medical treatment for older persons and persons with disabilities: 1990 developments. National Legal Center Staff. **Issues Law Med** 1991 Spring;6(4):341–60 (137 ref.)

RIGHT TO TREATMENT see **PATIENT ADVOCACY**

RIGHT VENTRICULAR FUNCTION see **VENTRICULAR FUNCTION, RIGHT**

RING CHROMOSOMES

Unusual mosaic trisomy 13 through 13/13 translocation and monosomy 13 with a small ring. Jalal SM, et al. **Ann Genet** 1990;33(3):173–5 (11 ref.)
Inherited ring chromosomes: an analysis of published cases. Kosztolányi G, et al. **Hum Genet** 1991 Jul;87(3):320–4 (30 ref.)

RING CONSTRICTIONS, INTRAUTERINE see **AMNIOTIC BAND SYNDROME**

RINGWORM see **TINEA**

RIOTS

see related
VIOLENCE

RISK

Risk estimates for carcinogenic effects of radiation. Upton AC. **Ann ICRP** 1991;22(1):1–29 (58 ref.)
Biologically based pharmacodynamic models: tools for toxicological research and risk assessment. Conolly RB, et al. **Annu Rev Pharmacol Toxicol** 1991;31:503–23 (52 ref.)
Competing risks in mortality analysis. Chiang CL. **Annu Rev Public Health** 1991;12:281–307 (51 ref.)
Analysis of probability and measurement of values. Thornton JG. **Baillieres Clin Obstet Gynaecol** 1990 Dec;4(4):867–84 (17 ref.)
Quantifying the risks of invasion by genetically engineered organisms. Kim J, et al. **Biotechnology** 1991;15:193–214 (18 ref.)
Catalog of risks extended and updated. Cohen BL. **Health Phys** 1991 Sep;61(3):317–35 (71 ref.)
Risk assessment of the developmental neurotoxicity of lead. Davis JM. **Neurotoxicology** 1990 Summer;11(2):285–91 (20 ref.)
Quantitative approaches to human risk assessment for noncancer health effects. Kimmel CA. **Neurotoxicology** 1990 Summer;11(2):189–98 (23 ref.)
Risk assessment: the insidious nature of neurotoxicity and the aging brain. Weiss B. **Neurotoxicology** 1990 Summer; 11(2):305–13 (30 ref.)
Towards quantitative risk assessment for neurotoxicity. Wyzga RE. **Neurotoxicology** 1990 Summer;11(2):199–207 (18 ref.)

RISK FACTORS

[How to detect causal risk factors?] Linn S. **Harefuah** 1990 Nov 1;119(9):277–9 (9 ref.) **(Heb)**

RISK MANAGEMENT

Risk control and prevention of spinal cord damage due to surgery of thoracoabdominal aneurysms: medicolegal aspects [editorial] de Mol B, et al. **Eur J Cardiothorac Surg** 1991;5(2):57–60 (36 ref.)

TRENDS

The current practice of health risk assessment: potential impact on standards for toxic air contaminants. Paustenbach DJ, et al. **J Air Waste Manage Assoc** 1990 Dec;40(12):1620–30 (129 ref.)

RISK-TAKING

Gallagher lecture. Teenagers and sexual risk taking: the best of times and the worst of times. Cates W Jr. **J Adolesc Health** 1991 Mar;12(2):84–94 (55 ref.)

RITTER DISEASE see **STAPHYLOCOCCAL SCALDED SKIN SYNDROME**

RIVER BLINDNESS see **ONCHOCERCIASIS, OCULAR**

RNA

see related
REPETITIVE SEQUENCES, NUCLEIC ACID

Satellite RNA for the biocontrol of plant disease. Tien P, et al. **Adv Virus Res** 1991;39:321–39 (40 ref.)
Genes of Acanthamoeba: DNA, RNA and protein sequences (a review). Byers TJ, et al. **J Protozool** 1990 Jul–Aug; 37(4):17S–25S (85 ref.)
The polymerase in its labyrinth: mechanisms and implications of RNA recombination. Jarvis TC, et al. **Trends Genet** 1991 Jun;7(6):186–91 (39 ref.)
[Ribozyme for sequence-dependent cleavage of target RNA] Koizumi M, et al. **Tanpakushitsu Kakusan Koso** 1990 Oct; 35(13):2191–200 (42 ref.) **(Jpn)**

ANALYSIS

Recent progress in the use of the technique of non-radioactive in situ hybridization histochemistry: new tools for molecular neurobiology. Kiyama H, et al. **Neurosci Res** 1990 Sep;9(1):1–21 (60 ref.)
The magic and challenge of DNA probes as diagnostic reagents. Gillespie D. **Vet Microbiol** 1990 Sep; 24(3–4):217–33 (27 ref.)
Methodologies for in vitro nucleic acid amplification and their applications. Gingeras TR, et al. **Vet Microbiol** 1990 Sep;24(3–4):235–51 (30 ref.)
[Nucleic acid hybridization techniques] Cano R, et al. **Enferm Infecc Microbiol Clin** 1989 Mar;7(3):151–9 (26 ref.) **(Spa)**

BIOSYNTHESIS

Molecular action of erythropoietin on RNA synthesis: 30 years of study. Perretta M. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):203–17 (79 ref.)
An RNA replisome as the ancestor of the ribosome. Campbell JH. **J Mol Evol** 1991 Jan;32(1):3–5 (20 ref.)

CHEMISTRY

Constituents of nucleic acids: overview and strategy. McCloskey JA. **Methods Enzymol** 1990;193:771–81 (56 ref.)
Structural elements in RNA. Chastain M, et al. **Prog Nucleic Acid Res Mol Biol** 1991;41:131–77 (226 ref.)
RNA editing: what's in a mechanism? [news] Hoffman M. **Science** 1991 Jul 12;253(5016):136–8 (5 ref.)
[Psoralens as probes in the study of the structure and function of nucleic acids] Czyż M. **Postepy Biochem** 1989; 35(4):591–608 (153 ref.) **(Pol)**
[Basic factors in the stability of RNA-duplexes. The contribution of dehydration] Shvarts VS, et al. **Mol Biol (Mosk)** 1990 Nov–Dec;24(6):1484–94 (17 ref.) (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Metabolism and mechanism of action of 5-fluorouracil. Parker WB, et al. **Pharmacol Ther** 1990;48(3):381–95 (133 ref.)

GENETICS

Nobel lecture. Self-splicing and enzymatic activity of an intervening sequence RNA from Tetrahymena. Cech TR. **Biosci Rep** 1990 Jun;10(3):239–61 (101 ref.)
Overview and principles of in-situ hybridization. Nakamura RM. **Clin Biochem** 1990 Aug;23(4):255–9 (19 ref.)
Nuclear RNA processing. Lamond AI. **Curr Opin Cell Biol** 1991 Jun;3(3):493–501 (52 ref.)
RNA editing in kinetoplastid mitochondria. Feagin JE. **J Biol Chem** 1990 Nov 15;265(32):19373–6 (41 ref.)
RNA editing: what's in a mechanism? [news] Hoffman M. **Science** 1991 Jul 12;253(5016):136–8 (5 ref.)
[Gene expression in the cells of the central nervous system] Takahashi Y. **Seikagaku** 1991 Apr;63(4):253–81 (199 ref.) **(Jpn)**

METABOLISM

RNA metabolism in relation to amyotrophic lateral sclerosis. Engel WK. **Adv Neurol** 1991;56:125–53 (171 ref.)
Ribonucleic acids may be catalysts for the preferential synthesis of L-amino acid peptides: a minireview. Lacey JC Jr, et al. **J Mol Evol** 1990 Sep;31(3):244–8 (22 ref.)
Nuclear RNA-binding proteins. Keene JD, et al. **Prog Nucleic Acid Res Mol Biol** 1991;41:179–202 (100 ref.)
RNA editing in mitochondrial mRNA of trypanosomatids. Stuart K. **Trends Biochem Sci** 1991 Feb;16(2):68–72 (29 ref.)

PHYSIOLOGY

4.5S RNA: does form predict function? Brown S. **New Biol** 1991 May;3(5):430–8 (53 ref.)

RNA, ANTISENSE

In situ hybridization using single-stranded antisense RNA probes in oral pathology research. Heikinheimo K, et al. **Proc Finn Dent Soc** 1991;87(2):245–57 (42 ref.)

GENETICS

Molecular biology of myelin basic protein: gene rearrangement and expression of anti-sense RNA in myelin-deficient mutants. Mikoshiba K, et al. **Comp Biochem Physiol [C]** 1991;98(1):51–61 (82 ref.)
[Antisense RNA in transgenic plants] Gartel' AL. **Mol Gen Mikrobiol Virusol** 1990 Aug;(8):29–32 (15 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Antisense RNA. Eguchi Y, et al. **Annu Rev Biochem** 1991; 60:631–52 (144 ref.)
Control of ColE1 plasmid replication by antisense RNA. Cesareni G, et al. **Trends Genet** 1991 Jul;7(7):230–5 (34 ref.)

THERAPEUTIC USE

[Current view on the anti-hepatitis B therapy] Guan P, et al. **Chung Hua I Hsueh Tsa Chih** 1991 Apr;71(4):234–8 (25 ref.) **(Chi)**

RNA, BACTERIAL

msDNA of bacteria. Lampson BC, et al. **Prog Nucleic Acid Res Mol Biol** 1991;40:1–24 (55 ref.)

ANALYSIS

[Composition and quantities of anticodons in the cell] Yamao F, et al. **Tanpakushitsu Kakusan Koso** 1990 Aug; 35(11):1999–2009 (34 ref.) **(Jpn)**

CHEMISTRY

Social and developmental biology of the myxobacteria. Shimkets LJ. **Microbiol Rev** 1990 Dec;54(4):473–501 (287 ref.)

METABOLISM

Nobel lecture. Enzymatic cleavage of RNA by RNA. Altman S. **Biosci Rep** 1990 Aug;10(4):317–37 (68 ref.)
Ribonuclease P. Postscript. Altman S. **J Biol Chem** 1990 Nov 25;265(33):20053–6 (37 ref.)
Uncharged tRNA, protein synthesis, and the bacterial stringent response. Goldman E, et al. **Mol Microbiol** 1990 Dec;4(12):2035–40 (32 ref.)

PHYSIOLOGY

4.5S RNA: does form predict function? Brown S. **New Biol** 1991 May;3(5):430–8 (53 ref.)

RNA CAPS

METABOLISM

The trimethyl-guanosine cap is a nuclear targeting signal for snRNPs. Lamond AL. **Trends Biochem Sci** 1990 Dec; 15(12):451–2 (12 ref.)

RNA, CATALYTIC

[Ribozyme for sequence-dependent cleavage of target RNA] Koizumi M, et al. **Tanpakushitsu Kakusan Koso** 1990 Oct; 35(13):2191–200 (42 ref.) **(Jpn)**

METABOLISM

Nobel lecture. Enzymatic cleavage of RNA by RNA. Altman S. **Biosci Rep** 1990 Aug;10(4):317–37 (68 ref.)
The novel tertiary structure in delta RNA may function as a ribozyme control element. Branch AD, et al. **Prog Clin Biol Res** 1991;364:257–64 (15 ref.)

RNA, CHROMOSOMAL see **RNA, NUCLEAR**

RNA-DEPENDENT DNA POLYMERASE see **REVERSE TRANSCRIPTASE**

RNA-DEPENDENT RNA POLYMERASE see **RNA REPLICASE**

RNA, DOUBLE-STRANDED

PHARMACOLOGY

Cellular response to double-stranded RNA. Haines DS, et al. **J Cell Biochem** 1991 May;46(1):9–20 (135 ref.)

RNA, FUNGAL

GENETICS

Structure and evolution of 5S rRNA genes. Gniadkowski M, et al. **Postepy Biochem** 1990;36(3–4):2–4 (8 ref.)
Messenger RNA splicing in yeast: clues to why the spliceosome is a ribonucleoprotein. Guthrie C. **Science** 1991 Jul 12;253(5016):157–63 (83 ref.)

METABOLISM

Pre-mRNA splicing in yeast. Ruby SW, et al. **Trends Genet** 1991 Mar;7(3):79–85 (41 ref.)

RNA, MESSENGER

In situ hybridization using single-stranded antisense RNA probes in oral pathology research. Heikinheimo K, et al. **Proc Finn Dent Soc** 1991;87(2):245–57 (42 ref.)

ANALYSIS

Localization in situ of specific mRNA using thymine-thymine dimerized DNA probes. Sensitive and reliable non-radioactive in situ hybridization. Koji T, et al. **Acta Pathol Jpn** 1990 Nov;40(11):793–807 (89 ref.)
Inhibin subunits in human placenta: localization and messenger ribonucleic acid levels during pregnancy. Petraglia F, et al. **Am J Obstet Gynecol** 1991 Sep; 165(3):750–8 (16 ref.)
The pS2 gene, mRNA, and protein: a potential marker for human breast cancer. Rio MC, et al. **Cancer Cells** 1990 Aug–Sep;2(8–9):269–74 (46 ref.)
Localization and regulation of mRNAs in the nervous tissue as revealed by in situ hybridization. Kawata M, et al. **Comp Biochem Physiol [C]** 1991;98(1):41–50 (117 ref.)
Detecting cytokine production at the single-cell level. Lewis CE. **Cytokine** 1991 May;3(3):184–8 (37 ref.)
Morphological studies using in situ hybridisation. Terenghi G, et al. **Eur J Cancer** 1991;27(6):785–9 (53 ref.)
Screening of natural products for antimicrobial agents. Silver L, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul; 9(7):455–61 (27 ref.)
Distribution patterns of CCK and CCK mRNA in some neuronal and non-neuronal tissues. Hökfelt T, et al. **Neuropeptides** 1991 Jul;19 Suppl:31–43 (83 ref.)
[Methodological approaches to detecting mRNA in histological sections] Luk'anov SA, et al. **Ontogenez** 1990 Sep–Oct;21(5):455–65 (42 ref.) (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Growth regulation of the PCNA gene. Baserga R. **J Cell Sci** 1991 Apr;98 (Pt 4):433–6 (46 ref.)
Increased expression of the major embryonic alpha-tubulin mRNA, T alpha 1, during neuronal regeneration, sprouting, and in Alzheimer's disease. Miller FD, et al. **Prog Brain Res** 1990;86:321–30 (35 ref.)

GENETICS

Tracing of neuroendocrine peptides and their corresponding mRNA's: unravelling the neuroendocrine network. Larsson LI. **Acta Histochem Suppl** 1990;38:9–14 (28 ref.)
Circadian oscillations in protein and mRNA levels of the period gene of Drosophila melanogaster. Zwiebel LJ, et al. **Biochem Soc Trans** 1991 Apr;19(2):533–7 (34 ref.)
Does the breakpoint within the major breakpoint cluster region (M-bcr) influence the duration of the chronic phase in chronic myeloid leukemia? An analytical comparison of current literature. Mills KI, et al. **Blood** 1991 Sep 1; 78(5):1155–61 (20 ref.)
Estrogen-regulated messenger RNAs in human breast cancer cells. Westley B, et al. **Cancer Treat Res** 1991;53:259–71 (27 ref.)
RNA editing: world's smallest introns? Cech TR. **Cell** 1991 Feb 22;64(4):667–9 (20 ref.)
Poly(A) signals. Proudfoot N. **Cell** 1991 Feb 22;64(4):671–4 (28 ref.)
Messenger RNA editing and the genetic code. Cattaneo R. **Experientia** 1990 Dec 1;46(11–12):1142–8 (55 ref.)
Tales of poly(A): a review. Munroe D, et al. **Gene** 1990 Jul 16;91(2):151–8 (93 ref.)
Expression of cloned genes and translation of messenger RNA in microinjected Xenopus oocytes. Heikkila JJ. **Int J Biochem** 1990;22(11):1223–8 (74 ref.)
Coinjection of Xenopus oocytes with cDNA-produced and native mRNAs: a molecular biological approach to the tissue-specific processing of human cholinesterases. Seidman S, et al. **Int Rev Neurobiol** 1990;32:107–39 (138 ref.)
Iron regulation of ferritin gene expression. Munro HN. **J Cell Biochem** 1990 Oct;44(2):107–15 (26 ref.)
In-vivo and in-vitro evidence supporting co-regulation of translation in sea-urchin eggs by polypeptide initiation factors, pH optimization, and mRNAs. Hille MB, et al. **J Reprod Fertil Suppl** 1990;42:235–48 (81 ref.)
Molecular biology of the renal renin-angiotensin system. Gomez RA, et al. **Kidney Int Suppl** 1990 Nov;30:S18–23 (32 ref.)
Estrogen receptor variants in human breast cancer. Murphy LC. **Mol Cell Endocrinol** 1990 Dec 3;74(2):C83–6 (18 ref.)
Messenger RNA splicing in yeast: clues to why the spliceosome is a ribonucleoprotein. Guthrie C. **Science** 1991 Jul 12;253(5016):157–63 (83 ref.)
[Molecular biology of 5-HT receptors] Xu W, et al. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):15–20 (44 ref.) **(Chi)**
[Mechanism for suppression mRNA translation with antisense oligonucleotides] Vlasov VV, et al. **Mol Biol (Mosk)** 1990 Sep-Oct;24(5):1157–61 (19 ref.) (Eng. Abstr.) **(Rus)**

METABOLISM

Regulated mRNA stability. Atwater JA, et al. **Annu Rev Genet** 1990;24:519–41 (122 ref.)
Different specificities of ribonuclease II and polynucleotide phosphorylase in 3'mRNA decay. Guarneros G, et al. **Biochimie** 1990 Nov;72(11):771–7 (29 ref.)
Pseudoknots and the control of protein synthesis. Draper DE. **Curr Opin Cell Biol** 1990 Dec;2(6):1099–103 (9 ref.)
Messenger RNA transport and localization. Gottlieb E. **Curr Opin Cell Biol** 1990 Dec;2(6):1080–6 (12 ref.)
The role of poly(A) in the translation and stability of mRNA. Sachs A. **Curr Opin Cell Biol** 1990 Dec;2(6):1092–8 (22 ref.)
Detection of cytokine mRNA in polyclonally-, antigen- or allergen-stimulated mononuclear cells. Gauchat JF, et al. **Immunol Rev** 1991 Feb;119:147–61 (48 ref.)
RNA-binding phosphoproteins and the regulation of maternal mRNA in Xenopus. Sommerville J. **J Reprod Fertil Suppl** 1990;42:225–33 (46 ref.)
Messenger RNA population in normal and cataractous rat lens. A minireview. Bekhor I. **Lens Eye Toxic Res** 1989; 6(4):749–72 (23 ref.)
Interferons: from molecular biology to man. Part 2. Interferons and cell function. Balkwill FR. **Microbiol Sci** 1986 Aug;3(8):229–33 (21 ref.)
Molecular events regulating messenger RNA stability in eukaryotes. Saini KS, et al. **Mol Cell Biochem** 1990 Jul 17;96(1):15–23 (73 ref.)
Insights into hormonal control of messenger RNA stability. Nielsen DA, et al. **Mol Endocrinol** 1990 Jul;4(7):953–7 (55 ref.)
Multiple determinants of eukaryotic mRNA stability. Cleveland DW, et al. **New Biol** 1989 Nov;1(2):121–6 (33 ref.)
Cell-type-specific splicing factors and the regulation of alternative RNA splicing. Latchman DS. **New Biol** 1990 Apr;2(4):297–303 (36 ref.)
The novel mechanism of initiation of picornavirus RNA translation. Jackson RJ, et al. **Trends Biochem Sci** 1990 Dec;15(12):477–83 (34 ref.)

PHYSIOLOGY

Interaction between mRNA, ribosomes and the cytoskeleton. Hesketh JE, et al. **Biochem J** 1991 Jul 1;277 (Pt 1):1–10 (85 ref.)

RNA, MESSENGER, PRECURSORS see **RNA PRECURSORS**

RNA, MESSENGER, SPLICING see **RNA SPLICING**

RNA, NEOPLASM

ANALYSIS

The Heinrich Warner Prize 1989: the use of differential hybridization analysis to identify markers for diagnosis of urogenital cancer. Schalken JA. **Eur Urol** 1990;18 Suppl 2:52–7 (33 ref.)

GENETICS

Does the breakpoint within the major breakpoint cluster region (M-bcr) influence the duration of the chronic phase in chronic myeloid leukemia? An analytical comparison of current literature. Mills KI, et al. **Blood** 1991 Sep 1; 78(5):1155–61 (20 ref.)

RNA, NUCLEAR

METABOLISM

Self-splicing group II and nuclear pre-mRNA introns: how similar are they? Jacquier A. **Trends Biochem Sci** 1990 Sep; 15(9):351–4 (36 ref.)

RNA NUCLEOTIDYLTRANSFERASES

METABOLISM

Ribonucleases, tRNA nucleotidyltransferase, and the 3' processing of tRNA. Deutscher MP. **Prog Nucleic Acid Res Mol Biol** 1990;39:209–40 (158 ref.)

RNA PHAGES

GENETICS

Specific interaction between RNA phage coat proteins and RNA. Witherell GW, et al. **Prog Nucleic Acid Res Mol Biol** 1991;40:185–220 (196 ref.)

RNA POLYMERASE II

RNA polymerase II. Young RA. **Annu Rev Biochem** 1991; 60:689–715 (151 ref.)

GENETICS

Tails of RNA polymerase II. Corden JL. **Trends Biochem Sci** 1990 Oct;15(10):383–7 (30 ref.)

PHYSIOLOGY

RNA polymerase II: subunit structure and function. Woychik NA, et al. **Trends Biochem Sci** 1990 Sep;15(9):347–51 (30 ref.)

RNA POLYMERASE III

GENETICS

RNA polymerase III transcription of genes that lack internal control regions. Kunkel GR. **Biochim Biophys Acta** 1991 Jan 17;1088(1):1–9 (79 ref.)

METABOLISM

RNA polymerase III transcription. Wolffe AP. **Curr Opin Cell Biol** 1991 Jun;3(3):461–6 (36 ref.)

RNA POLYMERASES

BIOSYNTHESIS

Mitochondrial DNA and RNA polymerases. A review. Litvak S, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun; 21(1):195–202 (58 ref.)

CHEMISTRY

The replication of plant virus RNA. van Kammen A. **Microbiol Sci** 1985 Jun;2(6):170–4 (24 ref.)

GENETICS

Molecular assembly and functional modulation of Escherichia coli RNA polymerase. Ishihama A. **Adv Biophys** 1990; 26:19–31 (42 ref.)

METABOLISM

How mobile are active RNA polymerases? Cook PR. **J Cell Sci** 1990 Jun;96 (Pt 2):189–92 (25 ref.)
The polymerase in its labyrinth: mechanisms and implications of RNA recombination. Jarvis TC, et al. **Trends Genet** 1991 Jun;7(6):186–91 (39 ref.)

RNA PRECURSORS

GENETICS

Nuclear RNA processing. Lamond AI. **Curr Opin Cell Biol** 1991 Jun;3(3):493–501 (52 ref.)
Spliceosomes and snurposomes. Gall JG. **Science** 1991 Jun 14;252(5012):1499–500 (20 ref.)

METABOLISM

Self-splicing group II and nuclear pre-mRNA introns: how similar are they? Jacquier A. **Trends Biochem Sci** 1990 Sep; 15(9):351–4 (36 ref.)
Pre-mRNA splicing in yeast. Ruby SW, et al. **Trends Genet** 1991 Mar;7(3):79–85 (41 ref.)

RNA PROBES

In situ hybridization using single-stranded antisense RNA probes in oral pathology research. Heikinheimo K, et al. **Proc Finn Dent Soc** 1991;87(2):245–57 (42 ref.)
[Use of molecular biology methods in gynecologic pathology] Czerwenka KF, et al. **Gynakol Rundsch** 1990; 30 Suppl 1:135–41 (9 ref.) **(Ger)**

RNA PROCESSING, POST-TRANSCRIPTIONAL

Posttranscriptional events in the expression of myelin protein genes. Campagnoni AT, et al. **Ann N Y Acad Sci** 1990; 605:270–9 (20 ref.)
Mechanism and regulation of bacterial ribosomal RNA processing. Srivastava AK, et al. **Annu Rev Microbiol** 1990; 44:105–29 (107 ref.)
Messenger RNA transport and localization. Gottlieb E. **Curr Opin Cell Biol** 1990 Dec;2(6):1080–6 (12 ref.)
Messenger RNA editing and the genetic code. Cattaneo R. **Experientia** 1990 Dec 1;46(11–12):1142–8 (55 ref.)
Interactions between small viral RNAs of vesicular stomatitis virus and components of cellular gene expression. Keene JD. **Microbiol Sci** 1985 May;2(5):152–6 (29 ref.)
Multiple determinants of eukaryotic mRNA stability. Cleveland DW, et al. **New Biol** 1989 Nov;1(2):121–6 (33 ref.)
Ribonucleases, tRNA nucleotidyltransferase, and the 3' processing of tRNA. Deutscher MP. **Prog Nucleic Acid Res Mol Biol** 1990;39:209–40 (158 ref.)
RNA editing: what's in a mechanism? [news] Hoffman M. **Science** 1991 Jul 12;253(5016):136–8 (5 ref.)
RNA editing and the mysterious undercover genes of trypanosomatid mitochondria. Lamond AI. **Trends Biochem Sci** 1988 Aug;13(8):283–4 (8 ref.)
RNA editing in mitochondrial mRNA of trypanosomatids. Stuart K. **Trends Biochem Sci** 1991 Feb;16(2):68–72 (29 ref.)
RNA editing fixes problems in plant mitochondrial transcripts. Walbot V. **Trends Genet** 1991 Feb;7(2):37–9 (11 ref.)

RNA, PROTOZOAN

GENETICS

Toxoplasma gondii—new advances in cellular and molecular biology. McLeod R, et al. **Exp Parasitol** 1991 Jan; 72(1):109–21 (66 ref.)

METABOLISM

RNA editing and the mysterious undercover genes of trypanosomatid mitochondria. Lamond AI. **Trends Biochem Sci** 1988 Aug;13(8):283–4 (8 ref.)

RNA REPLICASE

CHEMISTRY

Structure and function of the RNA polymerase of vesicular stomatitis virus. Banerjee AK, et al. **Adv Virus Res** 1990; 38:99–124 (100 ref.)
The replication of plant virus RNA. van Kammen A. **Microbiol Sci** 1985 Jun;2(6):170–4 (24 ref.)

RNA, RIBOSOMAL

ANALYSIS

Molecular biology of Pneumocystis carinii. Cushion MT, et al. **Ann N Y Acad Sci** 1990;616:415–20 (26 ref.)

BIOSYNTHESIS

rRNA synthesis in the nucleolus. Reeder RH. **Trends Genet** 1990 Dec;6(12):390–5 (52 ref.)

CHEMISTRY

The numerous modified nucleotides in eukaryotic ribosomal RNA. Maden BE. **Prog Nucleic Acid Res Mol Biol** 1990; 39:241–303 (90 ref.)

GENETICS

Compilation of small ribosomal subunit RNA sequences. Neefs JM, et al. **Nucleic Acids Res** 1991 Apr 25;19 Suppl:1987–2015 (466 ref.)
News from the nucleolus: rRNA gene expression. Sollner-Webb B, et al. **Trends Biochem Sci** 1991 Feb; 16(2):58–62 (49 ref.)

METABOLISM

Mechanism and regulation of bacterial ribosomal RNA processing. Srivastava AK, et al. **Annu Rev Microbiol** 1990; 44:105–29 (107 ref.)

PHYSIOLOGY

Ribosomal RNA and translation. Noller HF. **Annu Rev Biochem** 1991;60:191–227 (171 ref.)

RNA, RIBOSOMAL, PRECURSORS see **RNA PRECURSORS**

RNA, RIBOSOMAL, SELF-SPLICING see **RNA, CATALYTIC**

RNA, RIBOSOMAL, 5S

CHEMISTRY

Ribosomal 5S RNA from Xenopus laevis oocytes: conformation and interaction with transcription factor IIIA. Romby P, et al. **Biochimie** 1990 Jun–Jul; 72(6–7):437–52 (73 ref.)

GENETICS

Use of mutant RNAs in studies on yeast 5S rRNA structure and function. Nazar RN, et al. **Biochem Cell Biol** 1991 Apr; 69(4):217–22 (30 ref.)

Ribosomal RNA phylogenies for the vibrio–enteric group of eubacteria. MacDonell MT, et al. **Microbiol Sci** 1986 Jun;3(6):172–5, 178 (25 ref.)

The nucleotide sequence of 5 S ribosomal RNA from Vibrio marinus. MacDonell MT, et al. **Microbiol Sci** 1984 Dec; 1(9):229–31 (6 ref.)

Structure and evolution of 5S rRNA genes. Gniadkowski M, et al. **Postepy Biochem** 1990;36(3–4):2–4 (8 ref.)

RNA, RIBOSOMAL, 16S

CHEMISTRY

Intrageneric relationships of Enterococci as determined by reverse transcriptase sequencing of small–subunit rRNA. Williams AM, et al. **Res Microbiol** 1991 Jan;142(1):67–74 (23 ref.)

RNA, RIBOSOMAL, 18S

GENETICS

An overview of the secondary structure of the V4 region of eukaryotic small–subunit ribosomal RNA. Nickrent DL, et al. **Nucleic Acids Res** 1991 Jan 25;19(2):227–35 (35 ref.)

RNA, SMALL NUCLEAR

GENETICS

Who's on first? The U1 snRNP–5' splice site interaction and splicing. Rosbash M, et al. **Trends Biochem Sci** 1991 May; 16(5):187–90 (42 ref.)

METABOLISM

Interactions between small viral RNAs of vesicular stomatitis virus and components of cellular gene expression. Keene JD. **Microbiol Sci** 1985 May;2(5):152–6 (29 ref.)

PHYSIOLOGY

Structure of spliceosomal snRNPs and their role in pre–mRNA splicing. Lührmann R, et al. **Biochim Biophys Acta** 1990 Nov 30;1087(3):265–92 (194 ref.)

Spliceosomes and snurposomes. Gall JG. **Science** 1991 Jun 14;252(5012):1499–500 (20 ref.)

RNA, SMALL NUCLEAR, PRECURSORS see **RNA PRECURSORS**

RNA SPLICING

see related
RNA PRECURSORS

Alternative splicing is an efficient mechanism for the generation of protein diversity: contractile protein genes as a model system. Nadal–Ginard B, et al. **Adv Enzyme Regul** 1991;31:261–86 (88 ref.)

Phage T4 introns: self–splicing and mobility. Belfort M. **Annu Rev Genet** 1990;24:363–85 (90 ref.)

Structure of spliceosomal snRNPs and their role in pre–mRNA splicing. Lührmann R, et al. **Biochim Biophys Acta** 1990 Nov 30;1087(3):265–92 (194 ref.)

Self–splicing introns in prokaryotes: migrant fossils? Belfort M. Cell 1991 Jan 11;64(1):9–11 (22 ref.)

RNA editing: world's smallest introns? Cech TR. **Cell** 1991 Feb 22;64(4):667–9 (20 ref.)

Nuclear RNA processing. Lamond AI. **Curr Opin Cell Biol** 1991 Jun;3(3):493–501 (52 ref.)

Muscle cell differentiation and alternative splicing. Nadal–Ginard B. **Curr Opin Cell Biol** 1990 Dec; 2(6):1058–64 (11 ref.)

mRNA processing in the Trypanosomatidae. Perry K, et al. **Experientia** 1991 Feb 15;47(2):118–28 (71 ref.)

Intron–associated splicing reactions in bacteriophage T4. Maley F, et al. **Mol Microbiol** 1990 Jun;4(6):867–71 (27 ref.)

RNA splicing. Alive with DEAD proteins [news; comment] Wassarman DA, et al. **Nature** 1991 Feb 7;349(6309):463–4 (23 ref.) Comment on: Nature 1991 Feb 7;349(6309):487–93. Comment on: Nature 1991 Feb 7;349(6309):494–9.

Cell–type–specific splicing factors and the regulation of alternative RNA splicing. Latchman DS. **New Biol** 1990 Apr;2(4):297–303 (36 ref.)

A reappraisal of non–consensus mRNA splice sites. Jackson IJ. **Nucleic Acids Res** 1991 Jul 25;19(14):3795–8 (52 ref.)

Spliceosomes and snurposomes. Gall JG. **Science** 1991 Jun 14;252(5012):1499–500 (20 ref.)

Messenger RNA splicing in yeast: clues to why the spliceosome is a ribonucleoprotein. Guthrie C. **Science** 1991 Jul 12;253(5016):157–63 (83 ref.)

Involvement of aminoacyl–tRNA synthetases and other proteins in group I and group II intron splicing. Lambowitz AM, et al. **Trends Biochem Sci** 1990 Nov;15(11):440–4 (35 ref.)

Pre–mRNA splicing in yeast. Ruby SW, et al. **Trends Genet** 1991 Mar;7(3):79–85 (41 ref.)

[Sex–determination in Drosophila melanogaster: mechanism of sex–specific splicing] Inoue K, et al. **Tanpakushitsu Kakusan Koso** 1991 Jun;36(8):1487–96 (25 ref.) **(Jpn)**

[Ribozyme for sequence–dependent cleavage of target RNA] Koizumi M, et al. **Tanpakushitsu Kakusan Koso** 1990 Oct; 35(13):2191–200 (42 ref.) **(Jpn)**

GENETICS

Who's on first? The U1 snRNP–5' splice site interaction and splicing. Rosbash M, et al. **Trends Biochem Sci** 1991 May; 16(5):187–90 (42 ref.)

[RNA editing—newly discovered mechanism of the changes in genetic information] Szymański M, et al. **Postepy Biochem** 1990;36(1–2):2–4 (12 ref.) **(Pol)**

PHYSIOLOGY

Self–splicing group II and nuclear pre–mRNA introns: how similar are they? Jacquier A. **Trends Biochem Sci** 1990 Sep; 15(9):351–4 (36 ref.)

RNA, TRANSFER

ANALYSIS

[Composition and quantities of anticodons in the cell] Yamao F, et al. **Tanpakushitsu Kakusan Koso** 1990 Aug; 35(11):1999–2009 (34 ref.) **(Jpn)**

CHEMISTRY

Transfer RNAs for primordial amino acids contain remnants of a primitive code at position 3 to 5. Möller W, et al. **Biochimie** 1990 May;72(5):361–8 (30 ref.)

GENETICS

Homeotopic transformation and the origin of translation. Danchin A. **Prog Biophys Mol Biol** 1989;54(1):81–6 (39 ref.)

[Genomic organization of the tRNA genes in Escherichia coli] Komine Y, et al. **Tanpakushitsu Kakusan Koso** 1990 Oct;35(13):2201–10 (49 ref.) **(Jpn)**

[UAG suppression in animal cells—synthesis of the sponge ras protein] Kuchino Y. **Tanpakushitsu Kakusan Koso** 1991 Apr;36(5):789–97 (27 ref.) **(Jpn)**

METABOLISM

Uncharged tRNA, protein synthesis, and the bacterial stringent response. Goldman E, et al. **Mol Microbiol** 1990 Dec;4(12):2035–40 (32 ref.)

Ribonucleases, tRNA nucleotidyltransferase, and the 3' processing of tRNA. Deutscher MP. **Prog Nucleic Acid Res Mol Biol** 1990;39:209–40 (158 ref.)

Recognition of tRNAs by aminoacyl–tRNA synthetases. Schulman LH. **Prog Nucleic Acid Res Mol Biol** 1991; 41:23–87 (205 ref.)

RNA, TRANSFER, ASP

METABOLISM

Exploring the aminoacylation function of transfer RNA by macromolecular engineering approaches. Involvement of conformational features in the charging process of yeast tRNA(Asp). Giegé R, et al. **Biochimie** 1990 Jun–Jul; 72(6–7):453–61 (101 ref.)

RNA, TRANSFER, GLN

GENETICS

Inaccuracy and the recognition of tRNA. Rogers MJ, et al. **Prog Nucleic Acid Res Mol Biol** 1990;39:185–208 (75 ref.)

METABOLISM

The accuracy of aminoacylation—ensuring the fidelity of the genetic code. Söll D. **Experientia** 1990 Dec 1; 46(11–12):1089–96 (63 ref.)

RNA, TRANSFER, GLU

GENETICS

Transfer RNA and the formation of the heme and chlorophyll precursor, 5–aminolevulinic acid. O'Neill GP, et al. **Biofactors** 1990 Oct;2(4):227–35 (86 ref.)

RNA, TRANSFER, PRECURSORS see **RNA PRECURSORS**

RNA, TRANSFER, TYR

METABOLISM

Recognition of tRNA(Tyr) by tyrosyl–tRNA synthetase. Bedouelle H. **Biochimie** 1990 Aug;72(8):589–98 (84 ref.)

RNA TUMOR VIRUSES see **RETROVIRIDAE**

RNA, VIRAL

ANALYSIS

Nucleic acid detection systems for enteroviruses. Rotbart HA. **Clin Microbiol Rev** 1991 Apr;4(2):156–68 (115 ref.)

The search for scrapie agent nucleic acid. Aiken JM, et al. **Microbiol Rev** 1990 Sep;54(3):242–6 (69 ref.)

[Veterinary medicine and molecular biology: possibilities and limits of virus detection] Pauli U, et al. **Schweiz Arch Tierheilkd** 1991;133(1):35–42 (31 ref.) (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

The molecular biology of caulimoviruses. Hirth L. **Microbiol Sci** 1986 Sep;3(9):260–5 (31 ref.)

The replication of plant virus RNA. van Kammen A. **Microbiol Sci** 1985 Jun;2(6):170–4 (24 ref.)

CHEMISTRY

The novel tertiary structure in delta RNA may function as a ribozyme control element. Branch AD, et al. **Prog Clin Biol Res** 1991;364:257–64 (15 ref.)

GENETICS

Background paper. Transcription and replication of coronavirus RNA: a 1989 update. Lai MM. **Adv Exp Med Biol** 1990;276:327–33 (33 ref.)

The HIV–1 Tat protein: an RNA sequence–specific processivity factor? Cullen BR. **Cell** 1990 Nov 16; 63(4):655–7 (20 ref.)

Ambisense RNA viruses: positive and negative polarities combined in RNA virus genomes. Bishop DH. **Microbiol Sci** 1986 Jun;3(6):183–7 (22 ref.)

METABOLISM

How do viral reverse transcriptases recognize their RNA genome? Mesnard JM, et al. **FEBS Lett** 1991 Aug 5; 287(1–2):1–4 (45 ref.)

Interactions between small viral RNAs of vesicular stomatitis virus and components of cellular gene expression. Keene JD. **Microbiol Sci** 1985 May;2(5):152–6 (29 ref.)

Specific interaction between RNA phage coat proteins and RNA. Witherell GW, et al. **Prog Nucleic Acid Res Mol Biol** 1991;40:185–220 (196 ref.)

Picornavirus RNA translation continues to surprise. Sonenberg N. **Trends Genet** 1991 Apr;7(4):105–6 (13 ref.)

RNA VIRUSES

DRUG EFFECTS

Interferon–induced proteins and the antiviral state. Staeheli P. **Adv Virus Res** 1990;38:147–200 (214 ref.)

Screening for new agents. Oberg B, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):466–71 (31 ref.)

GENETICS

Genome similarities between plant and animal RNA viruses. Goldbach R. **Microbiol Sci** 1987 Jul;4(7):197–202 (23 ref.)

The polymerase in its labyrinth: mechanisms and implications of RNA recombination. Jarvis TC, et al. **Trends Genet** 1991 Jun;7(6):186–91 (39 ref.)

PHYSIOLOGY

Viruses in fungi and eukaryotic algae: their possible origins and evolution. Ushiyama R. **Microbiol Sci** 1985 Jun; 2(6):181–4 (35 ref.)

The synthesis and structure of comovirus capsids. Lomonossoff GP, et al. **Prog Biophys Mol Biol** 1991; 55(2):107–37 (130 ref.)

ULTRASTRUCTURE

What does the molecular structure of viruses tell us about viral functions? Rossmann MG, et al. **Microbiol Sci** 1987 Jul;4(7):206–14 (47 ref.)

RNASE see **RIBONUCLEASES**

RO 10-9359 see **ETRETINATE**

RO 15-1788 see **FLUMAZENIL**

ROBOTICS

A new challenge--robotics in the rehabilitation of the neurologically motor impaired. van Vliet P, et al. **Phys Ther** 1991 Jan;71(1):39-47 (54 ref.)

INSTRUMENTATION

Robotics in the medical laboratory. Felder RA, et al. **Clin Chem** 1990 Sep;36(9):1534-43 (46 ref.)
Robotic transportation. Lob WS. **Clin Chem** 1990 Sep; 36(9):1544-50 (8 ref.)

ROC ANALYSIS see **ROC CURVE**

ROC CURVE

Signal detectability: the use of ROC curves and their analyses. Centor RM. **Med Decis Making** 1991 Apr-Jun; 11(2):102-6 (32 ref.)

ROCKY MOUNTAIN SPOTTED FEVER

EPIDEMIOLOGY

Rocky Mountain spotted fever. Weber DJ, et al. **Infect Dis Clin North Am** 1991 Mar;5(1):19-35 (74 ref.)
Rocky Mountain spotted fever. Comer KM. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):27-44 (47 ref.)

PATHOLOGY

Dermatologic aspects of tick bites and tick-transmitted diseases. Merchant SR, et al. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):145-55 (33 ref.)

ROD-CONE DYSTROPHY see **RETINITIS PIGMENTOSA**

ROD OUTER SEGMENTS

METABOLISM

Na-Ca or Na-Ca-K exchange in rod photoreceptors. Schnetkamp PP. **Prog Biophys Mol Biol** 1989;54(1):1-29 (70 ref.)

RODENT CONTROL

see related
RODENTICIDES

RODENT DISEASES

Genetic aspects of oncogenesis by murine leukemia viruses in wild mice. Kozak CA, et al. **Crit Rev Oncog** 1989; 1(2):127-44 (138 ref.)
Animal cytomegaloviruses. Staczek J. **Microbiol Rev** 1990 Sep;54(3):247-65 (378 ref.)

EPIDEMIOLOGY

[Characteristics of F344 rats in a stand-point of naturally occurring neoplastic and non-neoplastic lesions] Maekawa A. **Jikken Dobutsu** 1990 Oct;39(4):507-17 (41 ref.) **(Jpn)**

GENETICS

Retroviral leukemia and lower motor neuron disease in wild mice: natural history, pathogenesis, and genetic resistance. Gardner MB. **Adv Neurol** 1991;56:473-9 (50 ref.)

IMMUNOLOGY

Emergence, natural history, and variation of canine, mink, and feline parvoviruses. Parrish CR. **Adv Virus Res** 1990; 38:403-50 (120 ref.)

PARASITOLOGY

Biosystematics of the chewing lice of pocket gophers. Hellenthal RA, et al. **Annu Rev Entomol** 1991;36:185-203 (89 ref.)

PATHOLOGY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the vagina, uterus and oviduct. Anisimov VN, et al. **IARC Sci Publ** 1990;(99):445-71 (75 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the liver. Bannasch P, et al. **IARC Sci Publ** 1990;(99):199-240 (139 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the peripheral nervous system. Cardesa A, et al. **IARC Sci Publ** 1990;(99):699-724 (93 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the adrenal gland. Duprat P, et al. **IARC Sci Publ** 1990;(99):573-96 (67 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the Harderian gland. Elwell MR, et al. **IARC Sci Publ** 1990;(99):79-87 (19 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the salivary and lacrimal glands. Elwell MR, et al. **IARC Sci Publ** 1990;(99):89-107 (31 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of soft tissues. Greaves P, et al. **IARC Sci Publ** 1990;(99):597-623 (106 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the kidney, renal pelvis and ureter. Hard GC. **IARC Sci Publ** 1990;(99):301-44 (116 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the accessory male sex organs. Ito N, et al. **IARC Sci Publ** 1990;(99):421-43 (75 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the central nervous system. Jänisch W. **IARC Sci Publ** 1990;(99):677-98 (98 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the urinary bladder. Kunze E, et al. **IARC Sci Publ** 1990;(99):345-97 (164 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of bone. Litvinov NN, et al. **IARC Sci Publ** 1990;(99):659-76 (24 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the pituitary gland. Lloyd RV. **IARC Sci Publ** 1990;(99):499-537 (196 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the pancreas. Longnecker DS, et al. **IARC Sci Publ** 1990;(99):241-57 (57 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the ovary. Maekawa A. **IARC Sci Publ** 1990;(99):473-97 (30 ref.)
Pathology of tumours in laboratory animals. Tumours of the lower respiratory tract and pleura in the rat. Mohr U, et al. **IARC Sci Publ** 1990;(99):275-99 (112 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the testis. Mostofi FK, et al. **IARC Sci Publ** 1990;(99):399-419 (92 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the thyroid gland. Napalkov NP. **IARC Sci Publ** 1990;(99):539-72 (100 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the auditory sebaceous glands. Pliss GB. **IARC Sci Publ** 1990;(99):37-46 (33 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the oesophagus. Pozharisski KM. **IARC Sci Publ** 1990;(99):109-28 (87 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the intestines. Pozharisski KM. **IARC Sci Publ** 1990;(99):159-98 (204 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the mammary gland. Russo J, et al. **IARC Sci Publ** 1990;(99):47-78 (65 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the nasal cavity. Schuller HM, et al. **IARC Sci Publ** 1990;(99):259-74 (33 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the stomach. Takahashi M, et al. **IARC Sci Publ** 1990;(99):129-57 (87 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the heart. Turusov VS, et al. **IARC Sci Publ** 1990;(99):725-39 (31 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the haematopoietic system. Ward JM, et al. **IARC Sci Publ** 1990;(99):625-57 (168 ref.)
Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the skin. Zackheim HS, et al. **IARC Sci Publ** 1990;(99):1-35 (47 ref.)

RODENTIA

PHYSIOLOGY

The neurobiology of magnetic field detection in rodents. Olcese JM. **Prog Neurobiol** 1990;35(4):325-30 (47 ref.)
Dopaminergic innervation of the cerebral cortex: unexpected differences between rodents and primates [published erratum appears in Trends Neurosci 1991 Mar;14(3):119] Berger B, et al. **Trends Neurosci** 1991 Jan;14(1):21-7 (52 ref.)

PSYCHOLOGY

Environmental and biological incidences over predatory aggression in rodents. Haug M, et al. **Comp Biochem Physiol A** 1991;99(3):285-93 (91 ref.)

RODENTICIDES

"Superwarfarin" ingestion. A new problem in covert anticoagulant overdose. Swigar ME, et al. **Gen Hosp Psychiatry** 1990 Sep;12(5):309-12 (7 ref.)

RODS AND CONES

see related
RETINAL PIGMENTS

ENZYMOLOGY

Calcium inhibition of ATP-dependent inactivation of rod disk phosphodiesterase in isolated rods and membrane suspensions. Pugh EN Jr, et al. **Neurosci Res Suppl** 1990; 12:S183-90 (23 ref.)

ROENTGEN RAYS see **X-RAYS**

ROENTGENOGRAPHY see **RADIOGRAPHY**

ROLE

Men's changing social roles in the 1990s: emerging issues in the psychiatric treatment of men. Dickstein LJ, et al. **Hosp Community Psychiatry** 1991 Jul;42(7):701-5 (46 ref.)
Role conflict in student nurses: towards a positive approach for the 1990s. Shead H. **J Adv Nurs** 1991 Jun;16(6):736-40 (31 ref.)

ROLE CONCEPT see **ROLE**

ROMANO-WARD SYNDROME see **LONG QT SYNDROME**

ROMBERG'S DISEASE see **FACIAL HEMIATROPHY**

RONIDAZOLE

TOXICITY

Formation and biological evaluation of ronidazole bound residues. Wislocki PG, et al. **Drug Metab Rev** 1990; 22(6-8):649-61 (26 ref.)

ROOMING-IN CARE

[Advantages of rooming-in care of mother and child in the control of enteric epidemics in neonatal departments] Adám B, et al. **Orv Hetil** 1991 Jan 13;132(2):69-72 (21 ref.) (Eng. Abstr.) **(Hun)**

ROOMS, PATIENT see **PATIENTS' ROOMS**

ROOT CANAL see **DENTAL PULP CAVITY**

ROOT CANAL FILLING MATERIALS

ADVERSE EFFECTS

[Are Ag-points, gutta percha and amalgam still useful as apical filling materials?] D'Haeseleire P, et al. **Acta Stomatol Belg** 1989 Dec;86(4):243-50 (37 ref.) (Eng. Abstr.) **(Dut)**

ROOT CANAL IRRIGANTS

THERAPEUTIC USE

Medicaments: aids to success in endodontics. Part 2. Clinical recommendations. Abbott PV. **Aust Dent J** 1990 Dec; 35(6):491-6 (11 ref.)
Medicaments: aids to success in endodontics. Part 1. A review of the literature. Abbott PV. **Aust Dent J** 1990 Oct; 35(5):438-48 (90 ref.)

ROOT CANAL MEDICAMENTS see **ROOT CANAL IRRIGANTS**

ROOT CANAL THERAPY

Medicaments: aids to success in endodontics. Part 2. Clinical recommendations. Abbott PV. **Aust Dent J** 1990 Dec; 35(6):491-6 (11 ref.)
Medicaments: aids to success in endodontics. Part 1. A review of the literature. Abbott PV. **Aust Dent J** 1990 Oct; 35(5):438-48 (90 ref.)
Endodontic considerations in restoration of partial overdenture abutments. Safavi KE, et al. **Dent Clin North Am** 1990 Oct;34(4):645-52 (20 ref.)
Radiographic evaluation of apical periodontitis and endodontic treatment results: a computer approach. Orstavik D. **Int Dent J** 1991 Apr;41(2):89-98 (43 ref.)
Current status of the use of ultrasound in endodontics. Stock CJ. **Int Dent J** 1991 Jun;41(3):175-82 (29 ref.)

METHODS

Labial endodontic access opening for mandibular incisors: endodontic and restorative considerations. Clements RE, et al. **J Can Dent Assoc** 1991 Jul;57(7):587-9 (25 ref.)
[Significance and possibilities of removing the debris layer forming during root canal therapy (review of the literature)] Bartha K. **Fogorv Sz** 1990 Dec;83(12):375-9 (41 ref.) (Eng. Abstr.) **(Hun)**

ROOT RESORPTION

ETIOLOGY

[The question of root resorption. Is the risk of root resorption related to the typology of the face?] Bacon W, et al. **Orthod Fr** 1989;60 Pt 2:559-73 (83 ref.) (Eng. Abstr.) **(Fre)**

RORSCHACH TEST

Assessment of borderline personality disorder. A review of MMPI and Rorschach findings. Zalewski C, et al. **J Nerv Ment Dis** 1991 Jun;179(6):338-45 (68 ref.)
Research on the clinical usefulness of the Rorschach: 1. The diagnosis of schizophrenia. Frank G. **Percept Mot Skills** 1990 Oct;71(2):573-8 (52 ref.)

STATISTICS & NUMERICAL DATA

A psychoanalytic view of the Rorschach Comprehensive System "special scores". Meloy JR, et al. **J Pers Assess** 1991 Apr;56(2):202–17 (55 ref.)
Research on the clinical usefulness of the Rorschach: 2. The assessment of cerebral dysfunction. Frank G. **Percept Mot Skills** 1991 Feb;72(1):103–11 (49 ref.)

ROSA see **PLANTS, MEDICINAL**

ROSAI-DORFMAN DISEASE see **HISTIOCYTOSIS, SINUS**

ROSEOLA INFANTUM see **EXANTHEMA SUBITUM**

ROTAVIRUS INFECTIONS

Rotavirus. Maldonado YA, et al. **Baillieres Clin Gastroenterol** 1990 Sep;4(3):609–25 (86 ref.)

EPIDEMIOLOGY

[Nosocomial virus infections in pediatric departments. Rotavirus and respiratory syncytial virus] Hjelt K. **Ugeskr Laeger** 1991 Jul 22;153(30):2102–4 (26 ref.) **(Eng. Abstr.)** **(Dan)**

IMMUNOLOGY

The status of rotavirus vaccines in 1990. Haffejee IE. **J Infect** 1991 Mar;22(2):119–28 (67 ref.)

MICROBIOLOGY

The pathophysiology, clinical features and management of rotavirus diarrhoea. Haffejee IE. **Q J Med** 1991 Apr; 79(288):289–99 (139 ref.)

PREVENTION & CONTROL

Vaccines against viral diarrhoea. Flores J, et al. **Baillieres Clin Gastroenterol** 1990 Sep;4(3):675–93 (77 ref.)

TRANSMISSION

Survival and vehicular spread of human rotaviruses: possible relation to seasonality of outbreaks. Ansari SA, et al. **Rev Infect Dis** 1991 May–Jun;13(3):448–61 (202 ref.)

ROTAVIRUSES

GENETICS

Molecular biology of rotaviruses. Bellamy AR, et al. **Adv Virus Res** 1990;38:1–43 (155 ref.)
Genomic segment reassortment in rotaviruses and other reoviridae. Ramig RF, et al. **Adv Virus Res** 1991;39:163–207 (140 ref.)

IMMUNOLOGY

Vaccines against viral diarrhoea. Flores J, et al. **Baillieres Clin Gastroenterol** 1990 Sep;4(3):675–93 (77 ref.)
The status of rotavirus vaccines in 1990. Haffejee IE. **J Infect** 1991 Mar;22(2):119–28 (67 ref.)
[Rotavirus vaccines] Bektimirov TA. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Dec;(12):94–8 (48 ref.) **(Rus)**

ROUGHAGE see **DIETARY FIBER**

ROUS-ASSOCIATED VIRUS see **AVIAN LEUKOSIS VIRUSES**

ROUS SARCOMA VIRUS see **AVIAN SARCOMA VIRUSES**

ROUSSY-LEVY SYNDROME see **CHARCOT-MARIE DISEASE**

ROUTINE DIAGNOSTIC TESTS see **DIAGNOSTIC TESTS, ROUTINE**

ROXITHROMYCIN

PHARMACOLOGY

[New antimicrobial agent series XXXIX: Roxithromycin] Hara K, et al. **Jpn J Antibiot** 1991 May;44(5):494–505 (36 ref.) **(Jpn)**

ROYAL FREE DISEASE see **FATIGUE SYNDROME, CHRONIC**

RRNA GENES see **RRNA OPERON**

RRNA OPERON

Archaeal rRNA operons. Garrett RA, et al. **Trends Biochem Sci** 1991 Jan;16(1):22–6 (31 ref.)

RRNA PROMOTER see **RRNA OPERON**

RU-486 see **MIFEPRISTONE**

RUBBER

ANALYSIS

Ingestion of carcinogenic N-nitrosamines by infants and children. Westin JB. **Arch Environ Health** 1990 Nov–Dec; 45(6):359–63 (54 ref.)

RUBBER SILICONE see **SILICONE ELASTOMERS**

RUBEFACIENTS see **IRRITANTS**

RUBELLA

DIAGNOSIS

Laboratory diagnosis of rubella: past, present and future. Cradock-Watson JE. **Epidemiol Infect** 1991 Aug; 107(1):1–15 (82 ref.)

EPIDEMIOLOGY

Rubella in the developing world. Miller CL. **Epidemiol Infect** 1991 Aug;107(1):63–8 (32 ref.)
Rubella in the United Kingdom. Miller E. **Epidemiol Infect** 1991 Aug;107(1):31–42 (26 ref.)

PREVENTION & CONTROL

Rubella vaccines: past, present and future. Best JM. **Epidemiol Infect** 1991 Aug;107(1):17–30 (101 ref.)
Rubella in Europe. Galazka A. **Epidemiol Infect** 1991 Aug; 107(1):43–54 (41 ref.)
Rubella in the United States: toward a strategy for disease control and elimination. Herrmann KL. **Epidemiol Infect** 1991 Aug;107(1):55–61 (17 ref.)
Prevention of mumps, measles, and rubella among hospital personnel. Weber DJ, et al. **J Pediatr** 1991 Aug; 119(2):322–6 (56 ref.)

RUBELLA SYNDROME, CONGENITAL

[Congenital rubella] Bayes García R, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 43:85–95 (88 ref.) **(Spa)**

DIAGNOSIS

Laboratory diagnosis of rubella: past, present and future. Cradock-Watson JE. **Epidemiol Infect** 1991 Aug; 107(1):1–15 (82 ref.)

EPIDEMIOLOGY

Rubella in the developing world. Miller CL. **Epidemiol Infect** 1991 Aug;107(1):63–8 (32 ref.)
Rubella in the United Kingdom. Miller E. **Epidemiol Infect** 1991 Aug;107(1):31–42 (26 ref.)

PREVENTION & CONTROL

Rubella in Europe. Galazka A. **Epidemiol Infect** 1991 Aug; 107(1):43–54 (41 ref.)
Rubella in the United States: toward a strategy for disease control and elimination. Herrmann KL. **Epidemiol Infect** 1991 Aug;107(1):55–61 (17 ref.)
[Screening for toxoplasmosis and rubella in prenatal care?] Hengst P. **Zentralbl Gynakol** 1990;112(15):941–4 (7 ref.) **(Ger)**

RUBELLA VACCINE

Rubella vaccines: past, present and future. Best JM. **Epidemiol Infect** 1991 Aug;107(1):17–30 (101 ref.)
Rubella in Europe. Galazka A. **Epidemiol Infect** 1991 Aug; 107(1):43–54 (41 ref.)
Rubella in the United States: toward a strategy for disease control and elimination. Herrmann KL. **Epidemiol Infect** 1991 Aug;107(1):55–61 (17 ref.)
[Allergic reactions to measles, mumps and rubella vaccine in children with egg protein allergy] Kornbrot B, et al. **Harefuah** 1990 Oct;119(7–8):230–1 (24 ref.) **(Heb)**

RUBELLA VIRUS

ISOLATION & PURIFICATION

Laboratory diagnosis of rubella: past, present and future. Cradock-Watson JE. **Epidemiol Infect** 1991 Aug; 107(1):1–15 (82 ref.)

RUBEOLA see **MEASLES**

RUBIDIUM

METABOLISM

Rubidium: a companion of potassium or an essential trace element of its own? Selin E, et al. **Beitr Infusionther** 1991; 27:86–103 (21 ref.)

RUBIDOMYCIN see **DAUNORUBICIN**

RUBIVIRUS see **RUBELLA VIRUS**

RUBOMYCIN see **DAUNORUBICIN**

RUFFINI'S CORPUSCLES see **THERMORECEPTORS**

RUGBY see **FOOTBALL**

RUMEN

DRUG EFFECTS

Polyether ionophores--effect on rumen function in feedlot cattle. Corah LR. **Vet Clin North Am Food Anim Pract** 1991 Mar;7(1):127–32 (14 ref.)

MICROBIOLOGY

Formation and action of anticarcinogenic fatty acids. Pariza MW, et al. **Adv Exp Med Biol** 1991;289:269–72 (9 ref.)
Role of rumen fungi in fiber degradation. Akin DE, et al. **J Dairy Sci** 1990 Oct;73(10):3023–32 (55 ref.)
Recent advances in rumen microbial ecology and metabolism: potential impact on nutrient output. Mackie RI, et al. **J Dairy Sci** 1990 Oct;73(10):2971–95 (235 ref.)
Strategies of nutrient transport by ruminal bacteria. Russell JB, et al. **J Dairy Sci** 1990 Oct;73(10):2996–3012 (100 ref.)

PHYSIOLOGY

A review of the physiological significance of hypertonic body fluids on feed intake and ruminal function: salivation, motility and microbes. Carter RR, et al. **J Anim Sci** 1990 Sep;68(9):2811–32 (161 ref.)
Rumen digestive physiology and microbial ecology. Hoover WH, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul; 7(2):311–25 (51 ref.)

RUMINANTIA see **RUMINANTS**

RUMINANTS

[Recent information about the orf virus of small ruminants] Büttner M, et al. **Tierarztl Prax** 1990 Aug;18(4):343–8 (33 ref.) (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Fish meal as a protein supplement in ruminant diets: a review. Hussein HS, et al. **J Anim Sci** 1991 May;69(5):2147–56 (75 ref.)
Growth promotion in farm animals. Buttery PJ, et al. **Proc Nutr Soc** 1990 Oct;49(3):459–66 (42 ref.)

IMMUNOLOGY

Analysis of gamma delta T cells in ruminants reveals further heterogeneity in gamma delta T-cell features and function among species. Mackay CR, et al. **Res Immunol** 1990 Sep; 141(7):611–4 (11 ref.)

METABOLISM

The interactions between copper, molybdenum, and sulphur in ruminant nutrition. Suttle NF. **Annu Rev Nutr** 1991; 11:121–40 (81 ref.)
A review of the physiological significance of hypertonic body fluids on feed intake and ruminal function: salivation, motility and microbes. Carter RR, et al. **J Anim Sci** 1990 Sep;68(9):2811–32 (161 ref.)
Energy cost of absorption and metabolism in the ruminant gastrointestinal tract and liver: a review [published erratum appears in J Anim Sci 1990 Dec;68(12):4445] McBride BW, et al. **J Anim Sci** 1990 Sep;68(9):2997–3010 (84 ref.)
Physiology and genetics of xylan degradation by gastrointestinal tract bacteria. Hespell RB, et al. **J Dairy Sci** 1990 Oct;73(10):3013–22 (53 ref.)
A review of energy metabolism in producing ruminants. Part 1: Metabolism of energy substrates. van der Walt JG, et al. **J S Afr Vet Assoc** 1989 Dec;60(4):223–7 (108 ref.)
A review of energy metabolism in producing ruminants. 2. Control of nutrient partitioning. Van der Walt JG, et al. **J S Afr Vet Assoc** 1990 Jun;61(2):78–80 (58 ref.)

PARASITOLOGY

[Gastrointestinal strongylosis and malabsorption of nutrients] Dakkak A. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:73–6 (27 ref.) (Eng. Abstr.) **(Fre)**
[Is systematic vermifugation of small ruminants in Sahelo-Sudanian Africa against gastrointestinal nematodes still advisable?] Thys E, et al. **Rev Elev Med Vet Pays Trop** 1990;43(2):187–91 (34 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Cholinergic manipulation of digestive function in ruminants and other domestic livestock: a review [published erratum appears in J Anim Sci 1990 Dec;68(12):4445] Croom WJ Jr, et al. **J Anim Sci** 1990 Sep;68(9):3023–32 (54 ref.)
Inert plastics as indicators of physiological processes in the gastrointestinal tract of ruminants. Welch JG. **J Anim Sci** 1990 Sep;68(9):2930–5 (10 ref.)
Recent advances in rumen microbial ecology and metabolism: potential impact on nutrient output. Mackie RI, et al. **J Dairy Sci** 1990 Oct;73(10):2971–95 (235 ref.)
Diet selection by grazing animals. Milne JA. **Proc Nutr Soc** 1991 Mar;50(1):77–85 (29 ref.)

RUNNING

Mechanics and energetics in running with special reference to efficiency. Kaneko M. **J Biomech** 1990;23 Suppl 1:57–63 (52 ref.)

Marathon runners: the intestinal handicap. Bounous G, et al. **Med Hypotheses** 1990 Dec;33(4):261–4 (38 ref.)

Arthritis and adaptive walking and running. Allen ME. **Rheum Dis Clin North Am** 1990 Nov;16(4):887–914 (174 ref.)

Acute and chronic responses of skeletal muscle to endurance and sprint exercise. A review. Abernethy PJ, et al. **Sports Med** 1990 Dec;10(6):365–89 (188 ref.)

Health effects of recreational running in women. Some epidemiological and preventive aspects. Marti B. **Sports Med** 1991 Jan;11(1):20–51 (238 ref.)

[Plasma and erythrocyte changes produced after running a marathon] Rubio de Val A, et al. **Sangre (Barc)** 1991 Apr; 36(2):123–7 (67 ref.) **(Spa)**

INJURIES

Tarsal tunnel syndrome in athletes. Case reports and literature review. Jackson DL, et al. **Am J Sports Med** 1991 Jan–Feb;19(1):61–5 (38 ref.)

Triathlon injuries. The swim–bike–run how-to for medical practitioners. Fitzpatrick MJ. **Aust Fam Physician** 1991 Jul; 20(7):953–8 (6 ref.)

Running and the older athlete. Ting AJ. **Clin Sports Med** 1991 Apr;10(2):319–25 (20 ref.)

Catastrophic medical events with exhaustive exercise: "white collar rhabdomyolysis". Knochel JP. **Kidney Int** 1990 Oct; 38(4):709–19 (73 ref.)

Plantar fasciitis in runners. Treatment and prevention. Warren BL. **Sports Med** 1990 Nov;10(5):338–45 (43 ref.)

RUNT DISEASE see **GRAFT VS HOST DISEASE**

RURAL HEALTH

see related

AGRICULTURAL WORKERS' DISEASES

Cadmium contamination of the countryside, a case study on health effects. Kreis IA. **Toxicol Ind Health** 1990 Oct; 6(5):181–8 (13 ref.)

RURAL HOSPITALS see **HOSPITALS, RURAL**

RURAL POPULATION

STATISTICS & NUMERICAL DATA

Urban and rural differences in cardiovascular disease in blacks. Keil JE, et al. **Cardiovasc Clin** 1991;21(3):17–28 (22 ref.)

RUSSELL'S VIPER VENOM TIME see **PROTHROMBIN TIME**

RUTHENIUM

PHARMACOLOGY

Metal complexes of ruthenium: a potential class of selective anticancer drugs. Sava G, et al. **Anticancer Res** 1991 May–Jun;11(3):1103–7 (28 ref.)

RUTHENIUM RED

PHARMACOLOGY

Ruthenium red as a capsaicin antagonist. Amann R, et al. **Life Sci** 1991;49(12):849–56 (60 ref.)

RYE

GENETICS

Sulphur-poor prolamins of barley, wheat and rye. Shewry PR, et al. **Biochem Soc Trans** 1991 Apr;19(2):528–30 (21 ref.)

S PHASE

Ploidy analysis and S-phase fraction determination by flow cytometry of invasive adenocarcinomas of the breast. Frierson HF Jr. **Am J Surg Pathol** 1991 Apr;15(4):358–67 (90 ref.)

Coupling M phase and S phase: controls maintaining the dependence of mitosis on chromosome replication. Enoch T, et al. **Cell** 1991 Jun 14;65(6):921–3 (21 ref.)

p34cdc2: the S and M kinase? Pines J, et al. **New Biol** 1990 May;2(5):389–401 (96 ref.)

SABIN VACCINE see **POLIOVIRUS VACCINE, ORAL**

SACCADES

PHYSIOLOGY

Cortical control of saccades in man. Pierrot-Deseilligny C. **Acta Neurol Belg** 1991;91(2):63–79 (70 ref.)

Saccadic eye movements. Supranuclear control. Tusa RJ. **Bull Soc Belge Ophtalmol** 1989;237:67–111 (196 ref.)

Posterior parietal cortex. Andersen RA, et al. **Rev Oculomot Res** 1989;3:315–35 (81 ref.)

The neurobiology of saccadic eye movements. Metrics. Becker W. **Rev Oculomot Res** 1989;3:13–67 (194 ref.)

The visual and frontal cortices. Goldberg ME, et al. **Rev Oculomot Res** 1989;3:283–313 (73 ref.)

Brainstem regions related to saccade generation. Hepp K, et al. **Rev Oculomot Res** 1989;3:105–212 (322 ref.)

The cerebellum. Keller EL. **Rev Oculomot Res** 1989; 3:391–411 (58 ref.)

Adaptive properties of the saccadic system. Optican LM. **Rev Oculomot Res** 1985;1:71–9 (0 ref.)

The visual superior colliculus and pulvinar. Robinson DL, et al. **Rev Oculomot Res** 1989;3:337–60 (115 ref.)

The central thalamus. Schlag-Rey M, et al. **Rev Oculomot Res** 1989;3:361–90 (152 ref.)

The neurobiology of saccadic eye movements. Models. Van Gisbergen JA, et al. **Rev Oculomot Res** 1989;3:69–101 (126 ref.)

Colliding saccades may reveal the secret of their marching orders. Schlag J, et al. **Trends Neurosci** 1990 Oct; 13(10):410–5 (27 ref.)

SACCADIC EYE MOVEMENTS see **SACCADES**

SACCHARIDE-MEDIATED CELL ADHESION MOLECULES see **CELL ADHESION MOLECULES**

SACCHAROMYCES

METABOLISM

Evolution towards fermentation with pure culture yeasts in wine making. Barre P, et al. **Microbiol Sci** 1984 Oct; 1(7):159–63 (40 ref.)

SACCHAROMYCES CEREVISIAE

The production of foreign proteins in Saccharomyces cerevisiae. Valenzuela P. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):231–40 (37 ref.)

ANALYSIS

The structure and function of small heat shock proteins: analysis of the Saccharomyces cerevisiae Hsp26 protein. Tuite MF, et al. **Antonie Van Leeuwenhoek** 1990 Oct; 58(3):147–54 (26 ref.)

CYTOLOGY

Cell cycle control by calcium and calmodulin in Saccharomyces cerevisiae. Anraku Y, et al. **Biochim Biophys Acta** 1991 Jul 10;1093(2–3):169–77 (111 ref.)

Development of cell polarity in budding yeast. Drubin DG. **Cell** 1991 Jun 28;65(7):1093–6 (29 ref.)

ENZYMOLOGY

Glycogen metabolism and signal transduction in mammals and yeast. Roach PJ, et al. **Adv Enzyme Regul** 1991; 31:101–20 (94 ref.)

Three proteolytic systems in the yeast saccharomyces cerevisiae. Jones EW. **J Biol Chem** 1991 May 5; 266(13):7963–6 (86 ref.)

Cellular control in the eukaryotic cell through action of proteinases: the yeast Saccharomyces cerevisiae as a model organism. Wolf DH. **Microbiol Sci** 1986 Apr;3(4):107–11, 114 (40 ref.)

The yeast phosphatase system. Vogel K, et al. **Mol Microbiol** 1990 Dec;4(12):2013–7 (35 ref.)

Transmembrane signalling to adenylate cyclase in mammalian cells and in Saccharomyces cerevisiae. Levitzki A. **Trends Biochem Sci** 1988 Aug;13(8):298–301 (29 ref.)

[Structure and various characteristics of yeast beta-D-glucans] Shandula I, et al. **Vopr Med Khim** 1990 Nov–Dec;36(6):39–42 (19 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Control of mitochondrial gene expression in Saccharomyces cerevisiae. Costanzo MC, et al. **Annu Rev Genet** 1990; 24:91–113 (156 ref.)

Promoter function and in situ protein/DNA interactions upstream of the yeast HSP90 heat shock genes. Gross DS, et al. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):175–86 (47 ref.)

Physiological aspects of growth and recombinant DNA stability in Saccharomyces cerevisiae. Mason CA. **Antonie Van Leeuwenhoek** 1991 May;59(4):269–83 (68 ref.)

Use of mutant RNAs in studies on yeast 5S rRNA structure and function. Nazar RN, et al. **Biochem Cell Biol** 1991 Apr; 69(4):217–22 (30 ref.)

Multiple or pleiotropic drug resistance in yeast. Balzi E, et al. **Biochim Biophys Acta** 1991 Mar 4;1073(2):241–52 (87 ref.)

Cell-type-specific transcription in yeast. Dolan JW, et al. **Biochim Biophys Acta** 1991 Feb 16;1088(2):155–69 (128 ref.)

Saccharomyces cerevisiae proteins involved in hybrid DNA formation in vitro. Heyer WD, et al. **Biochimie** 1991 Feb–Mar;73(2–3):269–76 (45 ref.)

Yeast as a model system for understanding the control of DNA replication in Eukaryotes. Bartlett R, et al. **Bioessays** 1990 Oct;12(10):457–63 (53 ref.)

Baker's yeast, the new work horse in protein synthesis studies: analyzing eukaryotic translation initiation. Linder P, et al. **Bioessays** 1990 Nov;12(11):519–26 (51 ref.)

The transactivator GAL4: co-activators, adaptors and chromatin. Stanway CA. **Bioessays** 1991 May;13(5):241–2 (16 ref.)

FAR-reaching discoveries about the regulation of START [published erratum appears in Cell 1991 Mar 8;64(5):following 1046] Nasmyth KA. **Cell** 1990 Dec 21; 63(6):1117–20 (24 ref.)

The glucoamylase multigene family in Saccharomyces cerevisiae var. diastaticus: an overview. Pretorius IS, et al. **Crit Rev Biochem Mol Biol** 1991;26(1):53–76 (135 ref.)

The role of PSO and SNM genes in DNA repair of the yeast Saccharomyces cerevisiae. Henriques JA, et al. **Curr Genet** 1990 Dec;18(5):387–93 (97 ref.)

Impact of the Douglas–Hawthorne model as a paradigm for elucidating cellular regulatory mechanisms in fungi. Oshima Y. **Genetics** 1991 Jun;128(2):195–201 (46 ref.)

Genetic and physical maps of Saccharomyces cerevisiae. Mortimer RK, et al. **Methods Enzymol** 1991;194:827–63 (191 ref.)

PET genes of Saccharomyces cerevisiae. Tzagoloff A, et al. **Microbiol Rev** 1990 Sep;54(3):211–25 (206 ref.)

The organization and expression of the yeast retrotransposon, Ty. Fulton AM, et al. **Microbiol Sci** 1987 Jun;4(6):180–5 (32 ref.)

Saccharomyces cerevisiae as a model eukaryote for studies on mitochondriogenesis. Trivedi A, et al. **Microbiol Sci** 1985 Jan;2(1):10–3 (19 ref.)

Sexual differentiation and interactions in yeasts. Yanagishima N. **Microbiol Sci** 1986 Feb;3(2):45–9 (28 ref.)

Ribosome biogenesis in yeast. Raué HA, et al. **Prog Nucleic Acid Res Mol Biol** 1991;41:89–129 (228 ref.)

Molecular analysis of the REV2 gene of Saccharomyces cerevisiae—a review. Ahne F, et al. **Radiat Environ Biophys** 1990;29(4):293–301 (35 ref.)

Messenger RNA splicing in yeast: clues to why the spliceosome is a ribonucleoprotein. Guthrie C. **Science** 1991 Jul 12;253(5016):157–63 (83 ref.)

The TPR snap helix: a novel protein repeat motif from mitosis to transcription. Goebl M, et al. **Trends Biochem Sci** 1991 May;16(5):173–7 (25 ref.)

RAS genes in Saccharomyces cerevisiae: signal transduction in search of a pathway. Broach JR. **Trends Genet** 1991 Jan;7(1):28–33 (42 ref.)

Pre-mRNA splicing in yeast. Ruby SW, et al. **Trends Genet** 1991 Mar;7(3):79–85 (41 ref.)

Yeast artificial chromosomes: tools for mapping and analysis of complex genomes. Schlessinger D. **Trends Genet** 1990 Aug;6(8):248, 255–8 (43 ref.)

GROWTH & DEVELOPMENT

Roles for replicative deactivation in yeast-ethanol fermentations. Jones RP. **Crit Rev Biotechnol** 1990; 10(3):205–22 (146 ref.)

G1-specific cyclins: in search of an S-phase-promoting factor. Reed SI. **Trends Genet** 1991 Mar;7(3):95–9 (30 ref.)

IMMUNOLOGY

Expression and secretion of insect immune peptides in yeast. Reichhart JM, et al. **Res Immunol** 1990 Nov–Dec; 141(9):943–6 (9 ref.)

METABOLISM

A review of the role of 70 kDa heat shock proteins in protein translocation across membranes. Craig E, et al. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):137–46 (37 ref.)

Interdependence of several heat shock gene activations, cyclic AMP decline and changes at the plasma membrane of Saccharomyces cerevisiae. Piper P. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):195–201 (29 ref.)

Proteolysis of mitochondrial-coded and nuclear-coded proteins found in yeast mitochondria. Jacob G, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):145–50 (20 ref.)

Exploring the aminoacylation function of transfer RNA by macromolecular engineering approaches. Involvement of conformational features in the charging process of yeast tRNA(Asp). Giegé R, et al. **Biochimie** 1990 Jun–Jul; 72(6–7):453–61 (101 ref.)

Regulation of sugar and ethanol metabolism in Saccharomyces cerevisiae. Wills C. **Crit Rev Biochem Mol Biol** 1990;25(4):245–80 (359 ref.)

Multiplicity of regulatory mechanisms controlling amino acid biosynthesis in Saccharomyces cerevisiae. Messenguy F. **Microbiol Sci** 1987 May;4(5):150–3 (23 ref.)

Mitochondrial proteins essential for viability mediate protein import into yeast mitochondria. Baker KP, et al. **Nature** 1991 Jan 17;349(6306):205–8 (58 ref.)

Phospholipid transport in microorganisms. Paltauf F, et al. **Subcell Biochem** 1990;16:279–99 (58 ref.)

[The use of microbial and enzymatic function in organic synthesis. Total synthesis of the aglycone of venturicidins A and B] Akita H. **Yakugaku Zasshi** 1990 Nov; 110(11):789–806 (33 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Receptor-G protein signaling in yeast. Blumer KJ, et al. **Annu Rev Physiol** 1991;53:37–57 (109 ref.)

Eukaryotic DNA repair: glimpses through the yeast Saccharomyces cerevisiae. Friedberg EC. **Bioessays** 1991 Jun;13(6):295–302 (50 ref.)
Defining components required for transport from the ER to the Golgi complex in yeast. Newman AP, et al. **Bioessays** 1990 Oct;12(10):485–91 (43 ref.)
Acid loops fail the acid test. Rose MD, et al. **Cell** 1991 Jun 14;65(6):919–20 (17 ref.)
Ion channels in Paramecium, yeast and Escherichia coli. Saimi Y, et al. **Trends Biochem Sci** 1988 Aug;13(8):304–9 (36 ref.)
[The yeast mating pheromones of Saccharomyces cerevisiae—an evolutionary enigma?] Afon'kin SIu. **Zh Evol Biokhim Fiziol** 1991 Jan–Feb;27(1):87–93 (65 ref.) **(Rus)**

RADIATION EFFECTS

DNA double-strand breaks: their repair and relationship to cell killing in yeast. Frankenberg-Schwager M, et al. **Int J Radiat Biol** 1990 Oct;58(4):569–75 (26 ref.)

ULTRASTRUCTURE

Centromere structure and function in budding and fission yeasts [published erratum appears in New Biol 1990 Mar;2(3):preceding 207] Carbon J, et al. **New Biol** 1990 Jan;2(1):10–9 (58 ref.)

SACCULE AND UTRICLE

INNERVATION

[Vestibular efferent neurons of the guinea pig forming projections into the saccule] Shumilina VF, et al. **Neirofiziologiia** 1990;22(5):657–65 (27 ref.) (Eng. Abstr.) **(Rus)**

SACRAL PLEXUS see **LUMBOSACRAL PLEXUS**

SACRAL REGION see **SACROCOCCYGEAL REGION**

SACROCOCCYGEAL REGION

PHYSIOPATHOLOGY

Reduction of lumbar scoliosis by use of a heel lift to level the sacral base. Irvin RE. **J Am Osteopath Assoc** 1991 Jan; 91(1):34, 37–44 (31 ref.)

SACROILIAC JOINT

Pyogenic infection of the sacroiliac joint. Case reports and review of the literature. Vyskocil JJ, et al. **Medicine (Baltimore)** 1991 May;70(3):188–97 (53 ref.)
[Imaging of infectious sacroiliitis] Chevalley P, et al. **J Radiol** 1991 Jan;72(1):1–10 (23 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Transarticular invasion of joints by bone tumors: hypothesis. Abdelwahab IF, et al. **Skeletal Radiol** 1991;20(4):279–83 (25 ref.)

SACRUM

Primary sacral bone tumours in children (report of 16 cases with a short literature review). Kozlowski K, et al. **Australas Radiol** 1990 May;34(2):142–9 (20 ref.)
Anterior sacral meningocele and tuberculous spondylitis of the sacrum in a patient with neurofibromatosis. Case report and review of the literature. Mellion BT, et al. **Neurofibromatosis** 1989;2(5–6):299–308 (44 ref.)
The current approach to the medical diagnosis of low back pain. McCowin PR, et al. **Orthop Clin North Am** 1991 Apr; 22(2):315–25 (64 ref.)
Sacrococcygeal chordoma: clinicoradiological study. Saltutti C, et al. **Urol Int** 1990;45(6):372–5 (14 ref.)
[Chordoma (a review of 11 cases)] De Santis E, et al. **Arch Putti Chir Organi Mov** 1990;38(1):133–46 (25 ref.) (Eng. Abstr.) **(Ita)**
[The role of episacroiliac lipomas as a cause of pseudolumbago-sciatica syndromes] Rosati E, et al. **Arch Putti Chir Organi Mov** 1990;38(2):339–47 (12 ref.) (Eng. Abstr.) **(Ita)**

ABNORMALITIES

Spinal fusion in a patient with lumbosacral agenesis. Rieger MA, et al. **Spine** 1990 Dec;15(12):1382–4 (23 ref.)
[Neurogenic deformities of the foot due to congenital malformations of the lumbosacral spine. Their clinical and therapeutic characteristics] De Palma L, et al. **Arch Putti Chir Organi Mov** 1990;38(2):297–310 (18 ref.) (Eng. Abstr.) **(Ita)**
[Neurogenic bladder dysfunction due to spina bifida and sacral dysgenesis manifested itself in middle age. Report of a case] Kaneoya F, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Jul;81(7):1091–4 (4 ref.) (Eng. Abstr.) **(Jpn)**

INJURIES

Insufficiency fracture of the sacrum with displacement and neurologic damage: a case report and review of the literature. Jones JW. **J Am Geriatr Soc** 1991 Mar; 39(3):280–3 (16 ref.)
An unusual type of fracture in the upper sacrum. Strange-Vognsen HH, et al. **J Orthop Trauma** 1991; 5(2):200–3 (14 ref.)
[Fractures of the sacrum, a diagnosis not to be unknown. 9 cases and review of the literature] Weber M, et al. **Rev Rhum Mal Osteoartic** 1991 Apr;58(4):295–9 (21 ref.) **(Fre)**

RADIOGRAPHY

Occult, bilateral anterior sacral and intrasacral meningeal and perineurial cysts: case report and review of the literature. North RB, et al. **Neurosurgery** 1990 Dec;27(6):981–6 (56 ref.)

SURGERY

[Sacrectomy at the level of S2 in schwannoma of the sacral region. Case report and review of the literature] Nowacki MP, et al. **Nowotwory** 1990 Jul–Sep;40(3):201–6 (15 ref.) (Eng. Abstr.) **(Pol)**

SADISM

PSYCHOLOGY

Ritualism and child sexual abuse [comment] Jones DP. **Child Abuse Negl** 1991;15(3):163–70 (13 ref.) Comment on: Child Abuse Negl 1991;15(3):181–9. Comment on: Child Abuse Negl 1991;15(3):191–6.
Sadism and masochism in character disorder and resistance. Panel report. **J Am Psychoanal Assoc** 1991;39(1):215–26 (9 ref.)

SAFETY

Safety of surgery in elderly. Pringle R. **Ann Acad Med Singapore** 1991 Mar;20(2):260–4 (18 ref.)
Designing for transportation safety in the light of perception, attention, and mental models. Moray N. **Ergonomics** 1990 Oct–Nov;33(10–11):1201–13 (30 ref.)
Aging and performance of home tasks. Lawton MP. **Hum Factors** 1990 Oct;32(5):527–36 (20 ref.)
Human factors and aging: an overview of research needs and application opportunities. Smith DB. **Hum Factors** 1990 Oct;32(5):509–26 (140 ref.)
Studies on bone marrow cells in experimental animals: bone marrow testing in the safety study. Matsumoto K. **Jikken Dobutsu** 1991 Jan;40(1):17–26 (45 ref.)
The doctor's health. Violence and safety. Hobbs R. **Practitioner** 1990 Nov;234(1496):979–82 (4 ref.)

SAFETY, CONSUMER PRODUCT see **CONSUMER PRODUCT SAFETY**

SAFETY DEVICES see **PROTECTIVE DEVICES**

SAIDS see **SIMIAN ACQUIRED IMMUNODEFICIENCY SYNDROME**

SALAAM SEIZURES see **SPASMS, INFANTILE**

SALAMANDRIDAE

PHYSIOLOGY

Cell origin and identity in limb regeneration and development. Ferretti P, et al. **GLIA** 1991;4(2):214–24 (61 ref.)
Newt lung epithelial cells: cultivation, use, and advantages for biomedical research. Rieder CL, et al. **Int Rev Cytol** 1990;122:153–220 (230 ref.)

SALBUTAMOL see **ALBUTEROL**

SALDINO-NOONAN SYNDROME see **SHORT RIB-POLYDACTYLY SYNDROME**

SALICYLATES

ADVERSE EFFECTS

Salicylate ototoxicity: review and synthesis. Boettcher FA, et al. **Am J Otolaryngol** 1991 Jan–Feb;12(1):33–47 (59 ref.)
[Reye's syndrome in children (review of the literature)] Badalian LO, et al. **Zh Nevropatol Psikhiatr** 1990; 90(8):109–13 (98 ref.) **(Rus)**

THERAPEUTIC USE

Aspirin versus the non-acetylated salicylates. Rainsford KD, et al. **Baillieres Clin Rheumatol** 1991 Aug;4(2):247–68 (210 ref.)

SALICYLAZOSULFAPYRIDINE

[Advances in the research on antirheumatic drug: sulfasalazine] Li ZG, et al. **Chung Hua Nei Ko Tsa Chih** 1990 Apr;29(4):243–5 (15 ref.) **(Chi)**

ADVERSE EFFECTS

[Lupic serology caused by sulfasalazine] Lassoued S, et al. **Rev Rhum Mal Osteoartic** 1991 Jan;58(1):63–5 (22 ref.) **(Fre)**

PHARMACOKINETICS

Sulphasalazine in ulcerative colitis: in memoriam? Hayllar J, et al. **Gut** 1991 May;32(5):462–3 (28 ref.)

THERAPEUTIC USE

The use of sulphasalazine as a disease modifying antirheumatic drug. Porter DR, et al. **Baillieres Clin Rheumatol** 1990 Dec;4(3):535–51 (71 ref.)
Risk-benefit assessment of drugs used in the treatment of inflammatory bowel disease. Hanauer SB, et al. **Drug Saf** 1991 May–Jun;6(3):192–219 (264 ref.)
Sulphasalazine and the aminosalicylates in the treatment of inflammatory bowel disease. Riley SA, et al. **Q J Med** 1990 Jun;75(278):551–62 (57 ref.)
Inflammatory bowel disease revisited: newer drugs. Hanauer SB. **Scand J Gastroenterol Suppl** 1990;175:97–106 (108 ref.)
[New salicylic acid derivatives in the treatment of inflammatory intestinal diseases] Kovács A. **Orv Hetil** 1991 Jun 16;132(24):1317–21 (44 ref.) (Eng. Abstr.) **(Hun)**
[Sulfasalazine in rheumatology] Nurchis P, et al. **Ann Ital Med Int** 1990 Jul–Sep;5(3 Pt 1):186–91 (0 ref.) (Eng. Abstr.) **(Ita)**

SALICYLIC ACIDS

Synthesis, properties and prodrug potential of 2-methyl-2-oxy- and 2-methyl-2-thio-4H-1,3-benzodioxin-4-ones. Ankersen M, et al. **Acta Chem Scand** 1989 Mar;43(3):213–21 (34 ref.)

ADVERSE EFFECTS

Gastroduodenal mucosal damage with salsalate versus aspirin: results of experimental models and endoscopic studies in humans. Schieman JM, et al. **Semin Arthritis Rheum** 1990 Oct;20(2):121–7 (38 ref.)

CHEMISTRY

Hydroxylation of salicylate as an assay for hydroxyl radicals: a cautionary note [letter] Halliwell B, et al. **Free Radic Biol Med** 1991;10(6):439–41 (26 ref.)

SALIENTIA see **ANURA**

SALINE see **SODIUM CHLORIDE**

SALINE SOLUTION, HYPERTONIC

ADMINISTRATION & DOSAGE

[Treatment of hypovolemia with hypertonic saline solutions] Skraastad O, et al. **Tidsskr Nor Laegeforen** 1991 May 10; 111(12):1481–3 (25 ref.) (Eng. Abstr.) **(Nor)**

THERAPEUTIC USE

[Hypertonic sodium chloride and hemorrhagic shock] Riou B, et al. **Ann Fr Anesth Reanim** 1990;9(6):536–46 (50 ref.) (Eng. Abstr.) **(Fre)**

SALIVA

CHEMISTRY

Mixed salivary glucose levels and candidal carriage in patients with diabetes mellitus. Darwazeh AM, et al. **J Oral Pathol Med** 1991 Jul;20(6):280–3 (26 ref.)
Salivary cortisol in psychobiological research: an overview. Kirschbaum C, et al. **Neuropsychobiology** 1989;22(3):150–69 (110 ref.)

ENZYMOLOGY

Salivary lysozyme, lactoferrin and peroxidases: antibacterial effects on cariogenic bacteria and clinical applications in preventive dentistry. Tenovuo J, et al. **Proc Finn Dent Soc** 1991;87(2):197–208 (85 ref.)

IMMUNOLOGY

[Emotional status and immunoglobulin A in saliva—review of the literature] Kugler J. **Psychother Psychosom Med Psychol** 1991 Jun;41(6):232–42 (95 ref.) (Eng. Abstr.) **(Ger)**
[Correlation between IGA from colostrum and serum and IGA is closer than between salivary IGA and total IGA] Tallería Orriols JJ, et al. **An Esp Pediatr** 1990 Jul;33(1):31–5 (40 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

Chronobiology in laboratory medicine: principles and clinical applications illustrated from measurements of neutral steroids in saliva. Walker RF, et al. **Prog Clin Biol Res** 1990;341A:105–17 (36 ref.)
Potential value of salivary steroids in chronoepidemiological and endocrine-related studies. Wilson DW, et al. **Prog Clin Biol Res** 1990;341A:119–30 (45 ref.)

PHYSIOLOGY

Saliva and dental health. Clinical implications of saliva: report of a consensus meeting. Edgar WM. **Br Dent J** 1990 Aug 11-25;169(3-4):96-8 (0 ref.)

The interaction of salivary secretions with the human complement system--a model for the study of host defense systems on inflamed mucosal surfaces. Boackle RJ. **Crit Rev Oral Biol Med** 1991;2(3):355-67 (82 ref.)

Interactions of the salivary and gastrointestinal systems. I. The role of saliva in digestion. Valdez IH, et al. **Dig Dis** 1991;9(3):125-32 (67 ref.)

Biologically active peptides in the gastrointestinal lumen. Rao RK. **Life Sci** 1991;48(18):1685-704 (153 ref.)

[Biochemical aspects of human salivary gland secretions] Münzel M. **Arch Otorhinolaryngol** 1976;213(1):209-85 (313 ref.) (Eng. Abstr.) **(Ger)**

SECRETION

Cellular mechanisms underlying the production of primary secretory fluid in salivary glands. Martinez JR. **Crit Rev Oral Biol Med** 1990;1(1):67-78 (84 ref.)

SALIVARY GLAND CALCULI

A submandibular sialolith of unusual size: a case report. Akin I, et al. **J Otolaryngol** 1991 Apr;20(2):123-5 (11 ref.)

SALIVARY GLAND DISEASES

Diseases of the salivary glands: a review. Daley TD, et al. **J Can Dent Assoc** 1991 May;57(5):411-4 (15 ref.)

DIAGNOSIS

Comparison of methods of imaging the salivary glands. Larsson SG. **Curr Opin Radiol** 1991 Feb;3(1):76-83 (12 ref.)

[Clinical aspects of non-tumorous diseases of the salivary glands] Haubrich J. **Arch Otorhinolaryngol** 1976;213(1):1-59 (390 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

[Morphology of salivary gland diseases] Seifert G, et al. **Arch Otorhinolaryngol** 1976;213(1):111-208 (390 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Biochemical aspects of human salivary gland secretions] Münzel M. **Arch Otorhinolaryngol** 1976;213(1):209-85 (313 ref.) (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Sialography and the salivary glands. Potter GD. **Otolaryngol Clin North Am** 1973 Jun;6(2):509-22 (14 ref.)

SALIVARY GLAND NEOPLASMS

Diseases of the salivary glands: a review. Daley TD, et al. **J Can Dent Assoc** 1991 May;57(5):411-4 (15 ref.)

Nonsquamous tumors of the head and neck in the geriatric population. Becker SP, et al. **Otolaryngol Clin North Am** 1990 Dec;23(6):1141-57 (44 ref.)

CHEMISTRY

Evaluation of the nucleolar organizer region associated proteins in minor salivary gland tumors. van Heerden WF, et al. **J Oral Pathol Med** 1991 Jul;20(6):291-5 (19 ref.)

DIAGNOSIS

Diagnosis of salivary gland tumors by fine-needle aspiration cytology: a review of clinical utility and pitfalls. Layfield LJ, et al. **Diagn Cytopathol** 1991;7(3):267-72 (29 ref.)

[Clinical aspects of salivary gland tumors] Eneroth CM. **Arch Otorhinolaryngol** 1976;213(1):61-110 (125 ref.) (Eng. Abstr.) **(Ger)**

[Clinical aspects of non-tumorous diseases of the salivary glands] Haubrich J. **Arch Otorhinolaryngol** 1976;213(1):1-59 (390 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Chemotherapy for recurrent and metastatic head and neck cancer. Pinto HA, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):667-86 (150 ref.)

ETIOLOGY

Two unusual tumours of the gastrointestinal tract in a patient with tuberous sclerosis. Byard RW, et al. **J Paediatr Child Health** 1991 Apr;27(2):116-9 (20 ref.)

PATHOLOGY

Basaloid monomorphic adenomas. Batsakis JG, et al. **Ann Otol Rhinol Laryngol** 1991 Aug;100(8):687-90 (20 ref.)

Histopathologic grading of salivary gland neoplasms: II. Acinic cell carcinomas. Batsakis JG, et al. **Ann Otol Rhinol Laryngol** 1990 Nov;99(11):929-33 (21 ref.)

Undifferentiated carcinomas of salivary glands. Batsakis JG, et al. **Ann Otol Rhinol Laryngol** 1991 Jan;100(1):82-4 (13 ref.)

Histopathologic grading of salivary gland neoplasms: III. Adenoid cystic carcinomas. Batsakis JG, et al. **Ann Otol Rhinol Laryngol** 1990 Dec;99(12):1007-9 (20 ref.)

Central adenoid cystic carcinoma of the mandible. Brookstone MS, et al. **J Oral Maxillofac Surg** 1990 Dec; 48(12):1329-33 (29 ref.)

Tyrosine-rich crystalloids in a polymorphous low-grade adenocarcinoma. Raubenheimer EJ, et al. **Oral Surg Oral Med Oral Pathol** 1990 Oct;70(4):480-2 (15 ref.)

[Morphology of salivary gland diseases] Seifert G, et al. **Arch Otorhinolaryngol** 1976;213(1):111-208 (390 ref.) (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Sialography and the salivary glands. Potter GD. **Otolaryngol Clin North Am** 1973 Jun;6(2):509-22 (14 ref.)

[Pleomorphic adenomas: apropos of a submaxillary location] Magremanne M, et al. **Acta Stomatol Belg** 1990 Jun; 87(2):133-9 (18 ref.) **(Fre)**

SURGERY

Salivary gland tumors. Shah JP, et al. **Curr Probl Surg** 1990 Dec;27(12):775-883 (91 ref.)

THERAPY

Bilateral Warthin's tumors in a Chinese--literature review and case report. Yang CH, et al. **Chang Keng I Hsueh** 1990 Dec;13(4):322-35 (34 ref.)

Salivary gland tumors. Spiro RH, et al. **Curr Opin Oncol** 1990 Jun;2(3):589-95 (13 ref.)

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the salivary and lacrimal glands. Elwell MR, et al. **IARC Sci Publ** 1990;(99):89-107 (31 ref.)

SALIVARY GLAND TUMOR, MIXED see **MIXED SALIVARY GLAND TUMOR**

SALIVARY GLAND VIRUS DISEASE see **CYTOMEGALIC INCLUSION DISEASE**

SALIVARY GLAND VIRUSES see **CYTOMEGALOVIRUSES**

SALIVARY GLANDS

Implantation of parotid pleomorphic adenoma in the upper neck. Ferlito A, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(3):165-76 (157 ref.)

Pleomorphic adenoma of cervical heterotopic salivary gland tissue: case report and review of neoplasms arising in cervical heterotopic salivary gland tissue. Rodgers GK, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):533-6 (13 ref.)

[Intramandibular inclusions of salivary gland tissue] Samson J, et al. **Minerva Stomatol** 1990 Jul;39(7):573-85 (111 ref.) (Eng. Abstr.) **(Ita)**

CYTOLOGY

Cellular mechanisms underlying the production of primary secretory fluid in salivary glands. Martinez JR. **Crit Rev Oral Biol Med** 1990;1(1):67-78 (84 ref.)

PATHOLOGY

[Value of biopsy of accessory salivary glands for the diagnosis of amyloidosis] Hachulla E, et al. **Rev Med Interne** 1990 Jul-Aug;11(4):329-32 (13 ref.) (Eng. Abstr.) **(Fre)**

SECRETION

Cellular mechanisms underlying the production of primary secretory fluid in salivary glands. Martinez JR. **Crit Rev Oral Biol Med** 1990;1(1):67-78 (84 ref.)

SALIVARY GLANDS, MINOR

ABNORMALITIES

Anterior lingual mandibular salivary gland defect. Evaluation of twenty-four cases. Buchner A, et al. **Oral Surg Oral Med Oral Pathol** 1991 Feb;71(2):131-6 (34 ref.)

ANATOMY & HISTOLOGY

[The anatomicophysiological characteristics of the minor salivary glands in the oral mucosa] Banchenko GV, et al. **Stomatologiia (Mosk)** 1991 Mar-Apr;(2):90-3 (61 ref.) **(Rus)**

CHEMISTRY

Evaluation of the nucleolar organizer region associated proteins in minor salivary gland tumors. van Heerden WF, et al. **J Oral Pathol Med** 1991 Jul;20(6):291-5 (19 ref.)

PATHOLOGY

Tyrosine-rich crystalloids in a polymorphous low-grade adenocarcinoma. Raubenheimer EJ, et al. **Oral Surg Oral Med Oral Pathol** 1990 Oct;70(4):480-2 (15 ref.)

SALIVARY PROTEINS

GENETICS

Molecular structure and transcriptional regulation of the salivary gland proline-rich protein multigene families. Carlson DM, et al. **Prog Nucleic Acid Res Mol Biol** 1991; 41:1-22 (56 ref.)

PHYSIOLOGY

Salivary lysozyme, lactoferrin and peroxidases: antibacterial effects on cariogenic bacteria and clinical applications in preventive dentistry. Tenovuo J, et al. **Proc Finn Dent Soc** 1991;87(2):197-208 (85 ref.)

SALIVARY STONES see **SALIVARY GLAND CALCULI**

SALIVATION

see related
SIALORRHEA
XEROSTOMIA

PHYSIOLOGY

[Biochemical aspects of human salivary gland secretions] Münzel M. **Arch Otorhinolaryngol** 1976;213(1):209-85 (313 ref.) (Eng. Abstr.) **(Ger)**

SALK VACCINE see **POLIOVIRUS VACCINE**

SALMO GAIRDNERI see **TROUT**

SALMO SALMO see **SALMON**

SALMON

METABOLISM

[Fish pituitary gonadotropins. Characteristics of salmon gonadotropic hormones] Prokopenko IV. **Mol Biol (Mosk)** 1990 Jul-Aug;24(4):882-96 (77 ref.) (Eng. Abstr.) **(Rus)**

SALMONELLA

ISOLATION & PURIFICATION

Enzyme-linked immunoassays for the detection of Salmonella spp.: a comparison with other methods. Beumer RR, et al. **Int J Food Microbiol** 1991 Apr;12(4):363-74 (44 ref.)

Eggs and Salmonella food-poisoning: an evaluation. Duguid JP, et al. **J Med Microbiol** 1991 Feb;34(2):65-72 (51 ref.)

PATHOGENICITY

Pathogenicity of foodborne Salmonella. D'Aoust JY. **Int J Food Microbiol** 1991 Jan;12(1):17-40 (153 ref.)

SALMONELLA ENTERITIDIS

[Salmonella gastroenteritis: causes, sequelae, therapeutic perspectives] Desgrandchamps D, et al. **Schweiz Med Wochenschr** 1990 Nov 24;120(47):1751-4 (45 ref.) (Eng. Abstr.) **(Ger)**

[A case of bacteremia due to Salmonella enteritidis in healthy man] Kakehashi R, et al. **Kansenshogaku Zasshi** 1990 Dec; 64(12):1561-5 (12 ref.) (Eng. Abstr.) **(Jpn)**

SALMONELLA FOOD POISONING

Eggs and Salmonella food-poisoning: an evaluation. Duguid JP, et al. **J Med Microbiol** 1991 Feb;34(2):65-72 (51 ref.)

Foodborne salmonellosis [see comments] Baird-Parker AC. **Lancet** 1990 Nov 17;336(8725):1231-5 (22 ref.) Comment in: Lancet 1991 Jan 12;337(8733):118-9. Comment in: Lancet 1991 Jun 29;337(8757):1611.

Human infection with Salmonella dublin. Fang FC, et al. **Medicine (Baltimore)** 1991 May;70(3):198-207 (121 ref.)

MICROBIOLOGY

Pathogenicity of foodborne Salmonella. D'Aoust JY. **Int J Food Microbiol** 1991 Jan;12(1):17-40 (153 ref.)

SALMONELLA INFECTIONS

Salmonella osteomyelitis of the skull base. Senegor M, et al. **Surg Neurol** 1991 Jul;36(1):37-9 (14 ref.)

[A case of bacteremia due to Salmonella enteritidis in healthy man] Kakehashi R, et al. **Kansenshogaku Zasshi** 1990 Dec; 64(12):1561-5 (12 ref.) (Eng. Abstr.) **(Jpn)**

[A case of Salmonella subdural empyema (first case in Japan)] Asano J, et al. **No To Hattatsu** 1990 Sep;22(5):518-9 (3 ref.) **(Jpn)**

DRUG THERAPY

Treatment of typhoid fever and infectious diarrhoea with ciprofloxacin. Pithie AD, et al. **J Antimicrob Chemother** 1990 Dec;26 Suppl F:47-53 (48 ref.)

Salmonella septic arthritis: a case report and review. Morgan MG, et al. **J Infect** 1990 Sep;21(2):195–203 (28 ref.)
Quinolone antibiotics in the treatment of Salmonella infections [see comments] Asperilla MO, et al. **Rev Infect Dis** 1990 Sep–Oct;12(5):873–89 (154 ref.) Comment in: Rev Infect Dis 1991 Mar–Apr;13(2):343–4.

EPIDEMIOLOGY

Epidemiologic aspects of shigellosis and other causes of dysentery in Thailand. Taylor DN, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S226–30 (28 ref.)
[Salmonella gastroenteritis: causes, sequelae, therapeutic perspectives] Desgrandchamps D, et al. **Schweiz Med Wochenschr** 1990 Nov 24;120(47):1751–4 (45 ref.) (Eng. Abstr.) **(Ger)**
[Focal salmonellosis in Spain. Presentation of 14 cases and review of the literature] García-Rodríguez JA, et al. **Enferm Infecc Microbiol Clin** 1990 Mar;8(3):134–43 (76 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Salmonella enteritidis causing joint sepsis. Kyle V, et al. **Clin Rheumatol** 1990 Sep;9(3):411–3 (7 ref.)
Non-typhoid Salmonella in renal transplant recipients: a report of twenty cases and review of the literature. Dhar JM, et al. **Q J Med** 1991 Mar;78(287):235–50 (89 ref.)

PREVENTION & CONTROL

Epidemiological studies and proposed preventive measures in the fight against human salmonellosis. Oosterom J. **Int J Food Microbiol** 1991 Jan;12(1):41–51 (24 ref.)

SALMONELLA PARATYPHI see SALMONELLA PARATYPHI A

SALMONELLA PARATYPHI A

[Salmonella paratyphi A urinary infection in Schistosoma mansoni bilharziasis] Hennequin C, et al. **Rev Med Interne** 1991 Mar–Apr;12(2):141–2 (15 ref.) (Eng. Abstr.) **(Fre)**

SALMONELLA TYPHI

IMMUNOLOGY

A new look at typhoid vaccination. Information for the practicing physician. Woodruff BA, et al. **JAMA** 1991 Feb 13;265(6):756–9 (29 ref.)
Clinical and field trials with attenuated Salmonella typhi as live oral vaccines and as "carrier" vaccines. Levine MM, et al. **Res Microbiol** 1990 Sep–Oct;141(7–8):807–16 (50 ref.)

PATHOGENICITY

Pathogenicity of foodborne Salmonella. D'Aoust JY. **Int J Food Microbiol** 1991 Jan;12(1):17–40 (153 ref.)

SALMONELLA TYPHIMURIUM

CLASSIFICATION

Phylogeny of strains of Salmonella typhimurium. Old DC. **Microbiol Sci** 1984 Jun;1(3):69–72 (23 ref.)

ENZYMOLOGY

The phosphoenolpyruvate-dependent phosphotransferase system: a central feature of carbohydrate accumulation by enteric bacteria. Mitchell WJ. **Microbiol Sci** 1985 Nov; 2(11):330–4, 339 (37 ref.)

GENETICS

The OxyR regulon. Storz G, et al. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):157–61 (17 ref.)
Determinants of DNA sequence divergence between Escherichia coli and Salmonella typhimurium: codon usage, map position, and concerted evolution. Sharp PM. **J Mol Evol** 1991 Jul;33(1):23–33 (55 ref.)
Local DNA topology and gene expression: the case of the leu-500 promoter. Lilley DM, et al. **Mol Microbiol** 1991 Apr;5(4):779–83 (24 ref.)
An unusual yet strongly conserved flavoprotein reductase in bacteria and mammals. Porter TD. **Trends Biochem Sci** 1991 Apr;16(4):154–8 (30 ref.)
Genetic analysis of the bacterial flagellum. Macnab RM, et al. **Trends Genet** 1991 Jun;7(6):196–200 (35 ref.)

IMMUNOLOGY

Microbicidal activities of Salmonella typhimurium– and interferon-gamma–activated mouse peritoneal macrophages. Langermans JA, et al. **Pathobiology** 1991; 59(3):189–93 (21 ref.)

ISOLATION & PURIFICATION

[A case of Salmonella subdural empyema (first case in Japan)] Asano J, et al. **No To Hattatsu** 1990 Sep;22(5):518–9 (3 ref.) **(Jpn)**

PATHOGENICITY

The role of a stress-response protein in bacterial virulence. Johnson KS, et al. **Res Microbiol** 1990 Sep–Oct; 141(7–8):823–5 (11 ref.)

PHYSIOLOGY

Bacterial chemotaxis and the molecular logic of intracellular signal transduction networks. Stock JB, et al. **Annu Rev Biophys Biophys Chem** 1991;20:109–36 (149 ref.)

ULTRASTRUCTURE

Biophysics of the structure and function of porins. Jap BK, et al. **Q Rev Biophys** 1990 Nov;23(4):367–403 (132 ref.)

SALMONELLA TYPHOSA see SALMONELLA TYPHI

SALMONIDAE

GROWTH & DEVELOPMENT

[Negative effects of anti-nutritional factors from soybeans in Salmonidae] van den Ingh TS, et al. **Tijdschr Diergeneeskd** 1990 Oct 15;115(20):935–8 (13 ref.) (Eng. Abstr.) **(Dut)**

SALPINGITIS

DIAGNOSIS

Diagnosis and laparoscopic grading of acute salpingitis. Soper DE. **Am J Obstet Gynecol** 1991 May;164(5 Pt 2):1370–6 (41 ref.)

MICROBIOLOGY

[Chlamydial salpingitis—diagnosis and treatment] Piura B, et al. **Harefuah** 1990 Sep;119(5–6):151–5 (54 ref.) **(Heb)**

SALPINGOGRAPHY see HYSTEROSALPINGOGRAPHY

SALPINGOSTOMY

METHODS

Persistent ectopic pregnancy following laparoscopic linear salpingostomy. Seifer DB, et al. **Obstet Gynecol** 1990 Dec; 76(6):1121–5 (12 ref.)

SALVELINUS see TROUT

SAND-DOLLAR see SEA URCHINS

SANDFLIES see PSYCHODIDAE

SANDHOFF DISEASE

GENETICS

The biochemistry of HEXA and HEXB gene mutations causing GM2 gangliosidosis. Mahuran DJ. **Biochim Biophys Acta** 1991 Feb 22;1096(2):87–94 (81 ref.)

SANITATION

STANDARDS

The impact of inadequate sanitary conditions on health in developing countries. Huttly SR. **World Health Stat Q** 1990;43(3):118–26 (57 ref.)

SAO PAULO TYPHUS see ROCKY MOUNTAIN SPOTTED FEVER

SAPHENOUS VEIN

Large mediastinal mass secondary to an aortocoronary saphenous vein bypass graft aneurysm. Forster DA, et al. **Ann Thorac Surg** 1991 Sep;52(3):547–8 (8 ref.)
Long-term follow-up after attempted angioplasty of saphenous vein grafts: the Thoraxcenter experience 1981–1988. Meester BJ, et al. **Eur Heart J** 1991 May; 12(5):648–53 (40 ref.)

SURGERY

Femoral–distal bypass with in situ greater saphenous vein. Long-term results using the Mills valvulotome. Donaldson MC, et al. **Ann Surg** 1991 May;213(5):457–64; discussion 464–5 (31 ref.)
[Autovenous shunting of arteries of the lower extremities without separation of the vein from its bed (in situ)] Balatskiĭ OA. **Vestn Khir** 1990 Oct;145(10):137–40 (40 ref.) **(Rus)**
[Restorative-reconstructive surgery of the valve system of deep veins of the lower extremities] Sukovatykh BS, et al. **Vestn Khir** 1991 Jan;146(1):136–40 (31 ref.) **(Rus)**

TRANSPLANTATION

Stranger in a strange land: the pathogenesis of saphenous vein graft stenosis with emphasis on structural and functional differences between veins and arteries. Cox JL, et al. **Prog Cardiovasc Dis** 1991 Jul–Aug;34(1):45–68 (249 ref.)
[Necessity of reconciling the objectives of the treatment of varices and arterial surgery. Practical consequences] Mellière D, et al. **J Mal Vasc** 1991;16(2):171–8 (25 ref.) (Eng. Abstr.) **(Fre)**

SAPONINS

PHARMACOLOGY

Calcium release mechanisms in smooth muscle. Iino M. **Jpn J Pharmacol** 1990 Dec;54(4):345–54 (48 ref.)
Immunopotentiating effect of traditional Chinese drugs—ginsenoside and glycyrrhiza polysaccharide. Yang G, et al. **Proc Chin Acad Med Sci Peking Union Med Coll** 1990; 5(4):188–93 (9 ref.)

SARCOIDOSIS

Sarcoidosis: clinical manifestations, epidemiology, therapy, and pathophysiology. Tozman EC. **Curr Opin Rheumatol** 1991 Feb;3(1):155–9 (34 ref.)
Sarcoidosis. Tozman EC. **Curr Opin Rheumatol** 1989 Dec; 1(4):540–4 (24 ref.)
Ocular sarcoidosis. Mayers M. **Int Ophthalmol Clin** 1990 Fall; 30(4):257–63 (37 ref.)
Sarcoidosis in the 1990s: avenues for the future. Izumi T. **Respiration** 1990;57(3):176–9 (31 ref.)
Sarcoidosis ... or something like it [clinical conference] Soskel NT, et al. **South Med J** 1990 Oct;83(10):1190–202, 1204 (25 ref.)

COMPLICATIONS

Lymphocytic hypophysitis and pulmonary sarcoidosis. Report of a case. Hayashi H, et al. **Am J Clin Pathol** 1991 Apr;95(4):506–11 (32 ref.)
Sarcoidosis, "Sarcoid-like lymphadenopathy," and testicular germ cell tumors. Toner GC, et al. **Am J Med** 1990 Nov; 89(5):651–6 (37 ref.)
Addison's disease and sarcoidosis: unusual frequency of co-existing hypothyroidism (Schmidt's syndrome) [letter] Walz B, et al. **Am J Med** 1990 Nov;89(5):692–3 (10 ref.)
Rehabilitation of quadriparesis secondary to spinal cord sarcoidosis. Tuel SM, et al. **Am J Phys Med Rehabil** 1991 Apr;70(2):63–9 (39 ref.)
Sarcoidosis complicated by HIV infection: three case reports and a review of the literature. Lowery WS, et al. **Am Rev Respir Dis** 1990 Oct;142(4):887–9 (25 ref.)
Gastric sarcoidosis [see comments] Teichman RF, et al. **J R Soc Med** 1991 Jan;84(1):50–1 (13 ref.) Comment in: J R Soc Med 1991 May;84(5):322.
Chronic immune thrombocytopenia in sarcoidosis. Hisada M, et al. **Keio J Med** 1990 Dec;39(4):261–4 (27 ref.)
Sarcoidosis and testicular germ cell tumor. Case report. Droz JP, et al. **Scand J Urol Nephrol** 1990;24(3):171–3 (13 ref.)
[Significant extrapulmonary manifestations of sarcoidosis] Sørensen PG, et al. **Ugeskr Laeger** 1991 Feb 11; 153(7):490–3 (30 ref.) (Eng. Abstr.) **(Dan)**
[Sarcoidosis associated with hemolytic anemia and autoimmune thrombocytopenia (letter)] Bourgain C, et al. **Ann Med Interne (Paris)** 1990;141(7):625–6 (9 ref.) **(Fre)**
[Deafness and sarcoidosis] Moine A, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(7):469–73 (14 ref.) (Eng. Abstr.) **(Fre)**
[Association of sarcoidosis and primary biliary cirrhosis: review of the literature apropos of a new case] Jouanolle H, et al. **Rev Med Interne** 1990 May–Jun;11(3):252–5 (34 ref.) (Eng. Abstr.) **(Fre)**
[Sternal site of sarcoidosis] Kheiralla JC, et al. **Rev Med Interne** 1990 May–Jun;11(3):229–30 (6 ref.) (Eng. Abstr.) **(Fre)**
[Chronic arthritis and synovitis in sarcoidosis in adults. Apropos of 2 new cases] Bouvier M, et al. **Rev Rhum Mal Osteoartic** 1991 Apr;58(4):287–90 (12 ref.) **(Fre)**
[Cauda equina syndrome in sarcoidosis. Report of a case] Chamaillard S, et al. **Rev Rhum Mal Osteoartic** 1990 Dec; 57(12):901–3 (12 ref.) **(Fre)**
[Cardiovascular diseases in sarcoidosis] Dobin VL, et al. **Probl Tuberk** 1991;(2):71–4 (70 ref.) **(Rus)**
[The ulcerative form of skin sarcoidosis] Rodionov AN, et al. **Vestn Dermatol Venerol** 1990;(7):68–71 (14 ref.) (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Sarcoidosis of the nervous system. A clinical approach. Sharma OP, et al. **Arch Intern Med** 1991 Jul;151(7):1317–21 (116 ref.)
Sarcoidosis: a Hawaii rarity. Charles J, et al. **Hawaii Med J** 1991 Jun;50(6):204, 207–8, 210 (8 ref.)
Sarcoidosis presenting as an isolated intramedullary tumor. Levivier M, et al. **Neurosurgery** 1991 Aug;29(2):271–6 (39 ref.)
Preschool sarcoidosis masquerading as juvenile rheumatoid arthritis: two case reports and a review of the literature. Sahn EE, et al. **Pediatr Dermatol** 1990 Sep;7(3):208–13 (34 ref.)
Kveim-Siltzbach test revisited. James DG, et al. **Sarcoidosis** 1991 Mar;8(1):6–9 (26 ref.)
Drug induced clinical syndromes mimicking sarcoidosis [editorial] Sharma OP, et al. **Sarcoidosis** 1991 Mar;8(1):3–5 (12 ref.)
Histoplasmosis: a masquerader of sarcoidosis. Sharma OP. **Sarcoidosis** 1991 Mar;8(1):10–3 (12 ref.)

[Ocular sarcoidosis] Berthe-Bonnet S, et al. **Bull Soc Belge Ophtalmol** 1989;230:73–83 (17 ref.) (Eng. Abstr.) **(Fre)**

[Thoracic sarcoidosis] Roos N, et al. **Radiologe** 1990 Dec; 30(12):581–90 (48 ref.) (Eng. Abstr.) **(Ger)**

[Sarcoidosis of the nervous system] Kalinichev GA, et al. **Probl Tuberk** 1990;(10):73–5 (52 ref.) **(Rus)**

DRUG THERAPY

Treatment of cutaneous sarcoidosis with chloroquine. Review of the literature. Zic JA, et al. **Arch Dermatol** 1991 Jul;127(7):1034–40 (53 ref.)

Current concepts in the management of sarcoidosis. Muthiah MM, et al. **Drugs** 1990 Aug;40(2):231–7 (31 ref.)

ETHNOLOGY

Sarcoidosis in Arabs: the clinical profile of 20 patients and review of the literature. Diab SM, et al. **Sarcoidosis** 1991 Mar;8(1):56–62 (36 ref.)

IMMUNOLOGY

Recent advances in the immunology of interstitial lung disease. du Bois RM. **Clin Exp Allergy** 1991 Jan;21(1):9–16 (105 ref.)

Immunology of interstitial lung diseases: cellular events taking place in the lung of sarcoidosis, hypersensitivity pneumonitis and HIV infection. Semenzato G. **Eur Respir J** 1991 Jan;4(1):94–102 (42 ref.)

[Immunopathogenesis of sarcoidosis: current practical knowledge] Müller-Quernheim J. **Z Gesamte Inn Med** 1990 Oct 1;45(19):573–7 (54 ref.) (Eng. Abstr.) **(Ger)**

[Changes in interleukin-2 receptor levels in active and inactive pulmonary sarcoidosis] Strausz J, et al. **Orv Hetil** 1991 Aug 18;132(33):1803–6 (42 ref.) (Eng. Abstr.) **(Hun)**

METABOLISM

[Calcium metabolism disorders in sarcoidosis] Lhote F. **Ann Med Interne (Paris)** 1990;141(6):531–4 (32 ref.) **(Fre)**

PATHOLOGY

Sarcoid neuropathy. Gainsborough N, et al. **J Neurol** 1991 Jun;238(3):177–80 (23 ref.)

RADIOGRAPHY

Pulmonary angiitis and granulomatosis. Staples CA. **Radiol Clin North Am** 1991 Sep;29(5):973–82 (26 ref.)

High-resolution computed tomography in pulmonary sarcoidosis. Dawson WB, et al. **Semin Ultrasound CT MR** 1990 Oct;11(5):423–9 (18 ref.)

SARCOLEMMA

ENZYMOLOGY

[Studies on plasmalemmal Ca(2+)-pump ATPase—for a better understanding of the mechanisms of relaxation of smooth muscle] Imai S. **Nippon Yakurigaku Zasshi** 1991 Jun;97(6):307–18 (46 ref.) (Eng. Abstr.) **(Jpn)**

METABOLISM

[Duchenne's myodystrophy—a hereditary defect of the cell membranes] Khrennikov VIu. **Zh Nevropatol Psikhiatr** 1991;91(3):22–4 (41 ref.) (Eng. Abstr.) **(Rus)**

SARCOLYSINE see **MELPHALAN**

SARCOMA

see related
AVIAN SARCOMA VIRUSES

Pulmonary artery sarcoma: another cause of sudden death. Varriale P, et al. **Clin Cardiol** 1991 Feb;14(2):160–4 (51 ref.)

Malignant granular cell tumour of the oesophagus. Wyatt MG, et al. **Eur J Surg Oncol** 1991 Aug;17(4):388–91 (42 ref.)

[Epithelioid sarcoma. Immunohistochemical study. Therapy with recombinant alfa interferon] Porta J, et al. **Med Cutan Ibero Lat Am** 1990;18(3):191–6 (20 ref.) (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Phenoxyacetic acid herbicides and chlorophenols and the etiology of lymphoma and soft-tissue neoplasms. Kelly SJ, et al. **Public Health Rev** 1989–90;17(1):1–37 (89 ref.)

[New experiences strengthen the connection between dioxins, phenoxy acids and malignant tumors] Eriksson M, et al. **Lakartidningen** 1991 Jun 12;88(24):2210–1 (23 ref.) **(Swe)**

CLASSIFICATION

Classification of primary intracranial sarcomas and other central nervous system neoplasms. Ironside JW. **Histopathology** 1991 May;18(5):483–6 (30 ref.)

COMPLICATIONS

Mesenteric infarction secondary to tumor emboli from primary aortic sarcoma. Guidelines for diagnosis and management. Higgins R, et al. **Cancer** 1991 Oct 1; 68(7):1622–7 (9 ref.)

DIAGNOSIS

Diagnosis and management of retroperitoneal soft-tissue sarcoma. Storm FK, et al. **Ann Surg** 1991 Jul;214(1):2–10 (15 ref.)

Mesenteric infarction secondary to tumor emboli from primary aortic sarcoma. Guidelines for diagnosis and management. Higgins R, et al. **Cancer** 1991 Oct 1; 68(7):1622–7 (9 ref.)

Treatment of soft tissue sarcomas. Diagnostic imaging. Golding RP, et al. **Cancer Treat Res** 1989;44:23–37 (74 ref.)

DRUG THERAPY

Megatherapy for soft tissue sarcomas. EBMT experience. Pinkerton CR. **Bone Marrow Transplant** 1991;7 Suppl 3:120–2 (12 ref.)

Chemotherapy for metastatic soft tissue sarcomas--another full circle? [editorial] Bramwell VH. **Br J Cancer** 1991 Jul; 64(1):7–9 (42 ref.)

Adjuvant chemotherapy for soft tissue sarcomas. Bramwell VH. **Cancer Treat Res** 1989;44:93–102 (21 ref.)

Preoperative intra-arterial chemotherapy. Huth JF, et al. **Cancer Treat Res** 1989;44:103–10 (33 ref.)

Chemotherapy in advanced soft tissue sarcomas. Verweij J, et al. **Cancer Treat Res** 1989;44:75–92 (76 ref.)

Chemotherapy for bone and soft-tissue sarcomas of the extremities. Yasko AW, et al. **J Bone Joint Surg [Am]** 1991 Sep;73(8):1263–71 (122 ref.)

ETIOLOGY

Epidemiology of sarcomas. Birch JM. **Curr Opin Oncol** 1990 Jun;2(3):462–6 (10 ref.)

GENETICS

Laboratory investigation and genetics in sarcomas. Fletcher JA, et al. **Curr Opin Oncol** 1990 Jun;2(3):467–73 (25 ref.)

MORTALITY

Influence of local recurrence on survival: a controversy reviewed from the perspective of soft tissue sarcoma. Barr LC, et al. **Br J Surg** 1991 Jun;78(6):648–50 (24 ref.)

NURSING

The nursing role in limb salvage surgery. Piasecki PA. **Nurs Clin North Am** 1991 Mar;26(1):33–41 (16 ref.)

PATHOLOGY

Pathology of soft tissue sarcomas. Selected current issues. Enjoji M, et al. **Acta Pathol Jpn** 1990 Dec;40(12):863–70 (57 ref.)

Heffalumps, jagulars, and cheshire cats. A commentary on cytokeratins and soft tissue sarcomas. Swanson PE. **Am J Clin Pathol** 1991 Apr;95(4 Suppl 1):S2–7 (49 ref.)

Primary alveolar soft-part sarcoma of stomach. Yagihashi S, et al. **Am J Surg Pathol** 1991 Apr;15(4):399–406 (50 ref.)

Bone tumors of mixed origin: osteo-liposarcoma and osteo-rhabdomyosarcoma. Marcial-Seoane RA, et al. **Bol Asoc Med P R** 1990 Sep;82(9):378–93 (80 ref.)

Sarcomas of soft tissue and bone. Mazanet R, et al. **Cancer** 1991 Aug 1;68(3):463–73 (115 ref.)

Musculoskeletal tumor staging: 1988 update. Enneking WF. **Cancer Treat Res** 1989;44:39–49 (11 ref.)

Chondrosarcoma and other rare bone sarcomas. Van Oosterom AT, et al. **Curr Opin Oncol** 1990 Jun;2(3):495–9 (5 ref.)

Carcinoma of the vulva with sarcomatoid features: a case report with immunohistochemical study. Santeusanio G, et al. **Gynecol Oncol** 1991 Feb;40(2):160–3 (20 ref.)

Primary epithelioid sarcoma of the hard palate. A case report. Jameson CF, et al. **Int J Oral Maxillofac Surg** 1990 Aug; 19(4):240–2 (24 ref.)

Post-hysterectomy extra-uterine endometrial stromal sarcoma: a case report. Kaseki H, et al. **Jpn J Clin Oncol** 1990 Dec;20(4):413–9 (21 ref.)

Retroperitoneal soft tissue sarcomas: a review of the literature. Van Dam PA, et al. **Obstet Gynecol Surv** 1990 Oct;45(10):670–82 (160 ref.)

[Correlation between epithelioid sarcoma and poorly differentiated fibroblastic synovialosarcoma] Bouziani A, et al. **Arch Anat Cytol Pathol** 1991;39(1-2):34–7 (8 ref.) (Eng. Abstr.) **(Fre)**

[Is there a carcinologic malignant potentiality of cardiac myxoma?] Loire R. **Arch Mal Coeur Vaiss** 1991 Mar; 84(3):395–9 (35 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

The transition of benign to malignant in epithelial and mesenchymal tumours. Koten JW, et al. **Anticancer Res** 1991 Mar-Apr;11(2):567–8 (4 ref.)

Primary sarcomas of the major salivary glands. Luna MA, et al. **Arch Otolaryngol Head Neck Surg** 1991 Mar; 117(3):302–6 (29 ref.)

RADIOGRAPHY

The radiological assessment of adults with soft tissue sarcoma. Williams MP. **Clin Oncol (R Coll Radiol)** 1990 Jan;2(1):46–51 (14 ref.)

RADIOTHERAPY

The role for radiation therapy in the management of patients with sarcoma of soft tissue in 1988. Suit HD. **Cancer Treat Res** 1989;44:65–74 (35 ref.)

The place of chemotherapy in the management of soft tissue sarcoma: experiences of the EORTC Soft Tissue and Bone Sarcoma Group. Blackledge G, et al. **Clin Oncol (R Coll Radiol)** 1989 Nov;1(2):106–9 (23 ref.)

Combined brachytherapy and external beam radiation in soft tissue sarcomas. Salvi G, et al. **Rays** 1991 Jan-Mar; 16(1):92–6 (17 ref.) **(Eng, Ita)**

SECONDARY

Vulvar epithelioid sarcoma metastatic to the scalp. A case report and review of the literature. Weissmann D, et al. **Am J Dermatopathol** 1990 Oct;12(5):462–8 (35 ref.)

SURGERY

Surgery of soft tissue sarcomas. Westbury G. **Cancer Treat Res** 1989;44:51–64 (43 ref.)

Surgery in the management of soft tissue sarcoma. Westbury G. **Clin Oncol (R Coll Radiol)** 1989 Nov;1(2):101–5 (14 ref.)

Current management of soft tissue sarcomas. Edwards MJ. **J Ky Med Assoc** 1990 Sep;88(9):497–503 (11 ref.)

The nursing role in limb salvage surgery. Piasecki PA. **Nurs Clin North Am** 1991 Mar;26(1):33–41 (16 ref.)

Resection and reconstruction for soft-tissue sarcomas of the extremity. Jaffe KA, et al. **Orthop Clin North Am** 1991 Jan;22(1):161–76 (88 ref.)

THERAPY

Soft tissue sarcomas of the extremity and retroperitoneum: advances in management. Sondak VK, et al. **Adv Surg** 1991; 24:333–59 (55 ref.)

Soft tissue and bone sarcomas. Santoro A, et al. **Cancer Chemother Biol Response Modif** 1990;11:544–54 (50 ref.)

Advances in the diagnosis and management of sarcomas. Elias AD. **Curr Opin Oncol** 1990 Jun;2(3):474–80 (39 ref.)

Pediatric soft tissue sarcomas. Goren MP, et al. **Curr Opin Oncol** 1990 Jun;2(3):481–5 (18 ref.)

Management of extremity soft tissue sarcoma. Miles Lecture. 1988. Brennan MF. **Eur J Surg Oncol** 1990 Dec; 16(6):520–31 (32 ref.)

Adjuvant therapy for adult patients with soft tissue sarcomas. Delaney TF, et al. **Oncology (Williston Park)** 1991 Jun; 5(6):105–18; discussion 118, 120, 123–4 (53 ref.)

Management of soft tissue sarcomas of the extremities. Kraybill WG, et al. **Surgery** 1991 Mar;109(3 Pt 1):233–5 (15 ref.)

SARCOMA, ENGELBRETH-HOLM-SWARM see **SARCOMA, EXPERIMENTAL**

SARCOMA, EWING'S

Ewing's sarcoma in adults. Bullimore JA. **Clin Oncol (R Coll Radiol)** 1990 Jan;2(1):39–45 (6 ref.)

Primary Ewing sarcoma of rib. Moser RP Jr, et al. **Radiographics** 1990 Sep;10(5):899–914 (33 ref.)

Primary and secondary spinal epidural extraskeletal Ewing's sarcoma. Report of two cases and review of the literature. Benmeir P, et al. **Spine** 1991 Feb;16(2):224–7 (32 ref.)

DIAGNOSIS

Primary sacral bone tumours in children (report of 16 cases with a short literature review). Kozlowski K, et al. **Australas Radiol** 1990 May;34(2):142–9 (20 ref.)

Primary spinal epidural extraosseous Ewing's sarcoma. Kaspers GJ, et al. **Cancer** 1991 Aug 1;68(3):648–54 (91 ref.)

[Ewing's sarcoma: literature review and presentation of 4 cases] Verset D, et al. **Acta Chir Belg** 1991 May-Jun; 91(3):121–30 (25 ref.) (Eng. Abstr.) **(Fre)**

[Ewing's sarcoma and peripheral neuroectodermal tumors. Report of a case with laterothoracic localization] Cuvelier A, et al. **Rev Pneumol Clin** 1990;46(3):116–22 (35 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Response of osteosarcoma and Ewing sarcoma to chemotherapy: imaging evaluation. Fletcher BD. **AJR Am J Roentgenol** 1991 Oct;157(4):825–33 (74 ref.)

GENETICS

Pediatric peripheral neuroectodermal tumors, oncogenes, and differentiation. Thiele CJ. **Cancer Invest** 1990;8(6):629–39 (66 ref.)

The cellular biology of bone tumors. Womer RB. **Clin Orthop** 1991 Jan;(262):12–21 (39 ref.)

PATHOLOGY

Extraskeletal Ewing's sarcoma. Presentation of two cases and review of the literature. Pavlidis NA, et al. **Eur J Surg Oncol** 1991 Jun;17(3):308–12 (12 ref.)

RADIOTHERAPY

Ewing's sarcoma. Radiotherapy versus surgery for local control. Horowitz ME, et al. **Pediatr Clin North Am** 1991 Apr;38(2):365–80 (40 ref.)

SECRETION

Dactinomycin potentiation of radiation pneumonitis: a forgotten interaction. Cohen IJ, et al. **Pediatr Hematol Oncol** 1991 Apr–Jun;8(2):187–92 (20 ref.)

SURGERY

Ewing's sarcoma. Radiotherapy versus surgery for local control. Horowitz ME, et al. **Pediatr Clin North Am** 1991 Apr;38(2):365–80 (40 ref.)

THERAPY

Ewing's sarcoma. Prognostic factors, disease control, and the reemerging role of surgical treatment. O'Connor MI, et al. **Clin Orthop** 1991 Jan;(262):78–87 (23 ref.)

Ewing's sarcoma of bone. Grier HE. **Curr Opin Oncol** 1990 Jun;2(3):491–4 (14 ref.)

Ewing's sarcoma—a local or systemic problem? [editorial] Marcus RB Jr. **Int J Radiat Oncol Biol Phys** 1991 Apr; 20(4):901–2 (7 ref.)

Adolescent bone tumours. Earl H, et al. **Practitioner** 1990 Sep;234(1494):816–8 (3 ref.)

SARCOMA, EXPERIMENTAL

THERAPY

Experimental models in sarcomas. Mankin H. **Curr Opin Oncol** 1990 Jun;2(3):500–4 (19 ref.)

SARCOMA, GERMINOBLASTIC see LYMPHOMA

SARCOMA, JENSEN see SARCOMA, EXPERIMENTAL

SARCOMA, KAPOSI'S

Kaposi's sarcoma: what's in control? Doherty R. **Med J Aust** 1991 Feb 4;154(3):161–2 (16 ref.)

[Otorhinolaryngologic aspects of Kaposi's sarcoma in Africa] Debrie JC, et al. **Med Trop (Mars)** 1991 Apr–Jun; 51(2):201–9 (41 ref.) (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

[Kaposi's sarcoma complicating long-term corticotherapy for severe asthma] Bruet A, et al. **Rev Med Interne** 1990 Jul–Aug;11(4):322–4 (12 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

AIDS-associated Kaposi's sarcoma. Kahn JO. **AIDS Clin Rev** 1990;:115–28 (43 ref.)

DIAGNOSIS

[Pseudo-Kaposi syndromes of vascular origin] Lemarchand-Venencie F, et al. **J Mal Vasc** 1991; 16(2):153–7 (15 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Antiretroviral therapy in combination with interferon for AIDS-related Kaposi's sarcoma. Fischl MA. **Am J Med** 1991 Apr 10;90(4A):2S–7S (36 ref.)

Treatment of AIDS-related Kaposi's sarcoma. Northfelt DW, et al. **Hematol Oncol Clin North Am** 1991 Apr; 5(2):297–310 (62 ref.)

Interferon in the treatment of AIDS-associated Kaposi's sarcoma: the American experience. Safai B, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):166S–169S (33 ref.)

EPIDEMIOLOGY

Kaposi's sarcoma in Italy, a country with intravenous drug users as the main group affected by HIV infection. Tirelli U, et al. **Antibiot Chemother** 1991;43:115–23 (10 ref.)

Recent developments in sexually transmitted diseases: is Kaposi's sarcoma a sexually transmitted disease? Felman YM. **Cutis** 1990 Oct;46(4):303–6 (53 ref.)

ETIOLOGY

Kaposi's sarcoma and lymphoma of the gut in AIDS. Friedman SL. **Baillieres Clin Gastroenterol** 1990 Jun; 4(2):455–75 (104 ref.)

Skin manifestations in AIDS patients. Staughton R. **Br J Clin Pract Symp Suppl** 1990 Sep;71:109–13 (1 ref.)

Urological manifestations of HIV-related disease. A case of AIDS-associated testicular seminoma, Kaposi's sarcoma and possible intracranial lymphoma. Green ST, et al. **Br J Urol** 1991 Feb;67(2):188–90 (25 ref.)

Recent advances in AIDS-related Kaposi's sarcoma. Gill PS, et al. **Curr Opin Oncol** 1989 Oct;1(1):57–61 (10 ref.)

Recent advances in AIDS-related Kaposi's sarcoma. Gill PS, et al. **Curr Opin Oncol** 1990 Dec;2(6):1161–6 (10 ref.)

Pathogenesis of AIDS-associated Kaposi's sarcoma. Ensoli B, et al. **Hematol Oncol Clin North Am** 1991 Apr; 5(2):281–95 (54 ref.)

Kaposi's sarcoma in AIDS. Volberding PA. **Immunol Ser** 1989;44:345–58 (51 ref.)

The oral manifestations of HIV infection. Jordan RC, et al. **J Can Dent Assoc** 1991 Jan;57(1):59–61 (13 ref.)

Grip and stick and the lymphatics. Ryan TJ. **Lymphology** 1990 Jun;23(2):81–4 (22 ref.)

AIDS, Kaposi sarcoma, and the lymphatic system: update and reflections. Witte MH, et al. **Lymphology** 1990 Jun; 23(2):73–80 (24 ref.)

Oral manifestations of HIV infection and their management. I. More common lesions. Scully C, et al. **Oral Surg Oral Med Oral Pathol** 1991 Feb;71(2):158–66 (165 ref.)

Pulmonary neoplastic and lymphoproliferative disease in AIDS: a review. Heitzman ER. **Radiology** 1990 Nov; 177(2):347–51 (55 ref.)

[Pulmonary and pleural localizations of Kaposi's sarcoma in AIDS] Mayaud C, et al. **Rev Pneumol Clin** 1990; 46(6):237–43 (48 ref.) (Eng. Abstr.) **(Fre)**

[The etiology of Kaposi's sarcoma] Soriano V, et al. **Med Clin (Barc)** 1991 May 4;96(17):662–7 (63 ref.) **(Spa)**

PATHOLOGY

Kaposi's sarcoma unrelated to the acquired immunodeficiency syndrome. Wick MR. **Curr Opin Oncol** 1991 Apr;3(2):377–83 (53 ref.)

Disseminated Kaposi's sarcoma not associated with HIV infection in a bisexual man. Garcia-Muret MP, et al. **J Am Acad Dermatol** 1990 Nov;23(5 Pt 2):1035–8 (13 ref.)

PHYSIOPATHOLOGY

Kaposi's sarcoma [editorial] Dalgleish AG. **Br J Cancer** 1991 Jul;64(1):3–6 (42 ref.)

RADIOGRAPHY

[X-ray studies of Kaposi's sarcoma] Kossovoĭ AL. **Vopr Onkol** 1990;36(8):904–10 (69 ref.) **(Rus)**

RADIOTHERAPY

Epidemic Kaposi's sarcoma of the conjunctiva: considerations for radiotherapy. Glynne-Jones R, et al. **Clin Oncol (R Coll Radiol)** 1990 Nov;2(6):358–61 (26 ref.)

SECONDARY

Cardiac manifestations of acquired immune deficiency syndrome: a 1991 update. Kaul S, et al. **Am Heart J** 1991 Aug;122(2):535–44 (75 ref.)

THERAPY

The use of hematopoietic growth factors in HIV infection and AIDS-related malignancies. Miles SA. **Cancer Invest** 1991;9(2):229–38 (40 ref.)

Interferon and other biologic agents for the treatment of Kaposi's sarcoma. Krown SE. **Hematol Oncol Clin North Am** 1991 Apr;5(2):311–22 (79 ref.)

Kaposi's sarcoma and AIDS [editorial] James ND, et al. **Int J STD AIDS** 1991 Mar–Apr;2(2):91–6 (34 ref.)

Therapeutic approaches to neoplasms in AIDS. Levine AM. **Rev Infect Dis** 1990 Sep–Oct;12(5):938–43 (27 ref.)

[Treatment of Kaposi's disease] Bachelez H. **Ann Dermatol Venereol** 1990;117(8):577–80 (15 ref.) **(Fre)**

[AIDS tumors] Hehlmann R, et al. **Verh Dtsch Ges Inn Med** 1990;96:534–9 (10 ref.) **(Ger)**

SARCOMA, LYMPHATIC see LYMPHOMA, DIFFUSE

SARCOMA, OSTEOGENIC see OSTEOSARCOMA

SARCOMA, RETICULUM-CELL see LYMPHOMA, LARGE-CELL

SARCOMERES

PHYSIOLOGY

Titin, a huge, elastic sarcomeric protein with a probable role in morphogenesis. Fulton AB, et al. **Bioessays** 1991 Apr; 13(4):157–61 (49 ref.)

SARCOPLASMIC RETICULUM

CHEMISTRY

Intralumenal sarcoplasmic reticulum Ca(2+)-binding proteins. Cala SE, et al. **Semin Cell Biol** 1990 Aug; 1(4):265–75 (71 ref.)

PHYSIOLOGY

Molecular tools to elucidate problems in excitation-contraction coupling. MacLennan DH. **Biophys J** 1990 Dec;58(6):1355–65 (71 ref.)

ULTRASTRUCTURE

To excite a heart: a bird's view. Sommer JR, et al. **Acta Physiol Scand Suppl** 1991;599:5–21 (97 ref.)

Electrophysiological analysis of structural aspects of voltage-dependent SR K+ channel. Sokabe M, et al. **Comp Biochem Physiol [C]** 1991;98(1):23–30 (27 ref.)

SARCOPTES SCABIEI

IMMUNOLOGY

Dynamics of swine mange: a critical review of the literature. Davis DP, et al. **J Med Entomol** 1990 Sep;27(5):727–37 (93 ref.)

SARCOSOMES see MITOCHONDRIA, MUSCLE

SARKOLYSIN see MELPHALAN

SATELLITE COMMUNICATIONS see TELECOMMUNICATIONS

SATELLITE DNA see DNA, SATELLITE

SATELLITE VIRUSES

GENETICS

Interactions between satellite bacteriophage P4 and its helpers. Christie GE, et al. **Annu Rev Genet** 1990;24:465–90 (118 ref.)

SATIATION

PHYSIOLOGY

Brain cholecystokinin receptors and satiety. **Nutr Rev** 1990 Sep;48(9):359–60 (11 ref.)

SATIETY RESPONSE

PHYSIOLOGY

Pancreatic glucagon signals postprandial satiety. Geary N. **Neurosci Biobehav Rev** 1990 Fall;14(3):323–38 (213 ref.)

SC DISEASE see HEMOGLOBIN SC DISEASE

SCABIES

The "nuisance" sexually transmitted diseases: molluscum contagiosum, scabies, and crab lice. Billstein SA, et al. **Med Clin North Am** 1990 Nov;74(6):1487–505 (54 ref.)

Diagnosis and treatment of childhood scabies and pediculosis. Hogan DJ, et al. **Pediatr Clin North Am** 1991 Aug; 38(4):941–57 (42 ref.)

Sexually transmitted diseases: cutaneous lesions. Stein BS. **Semin Urol** 1991 Feb;9(1):2–8 (18 ref.)

DRUG THERAPY

[Pyrethrin and pyrethroid (permethrin) in the treatment of scabies and pediculosis] Haustein UF. **Hautarzt** 1991 Jan; 42(1):9–15 (60 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Frequent dermatoses in early childhood] Albrecht-Nebe H. **Z Arztl Fortbild (Jena)** 1990;84(23):1217–21 (9 ref.) **(Ger)**

VETERINARY

Dynamics of swine mange: a critical review of the literature. Davis DP, et al. **J Med Entomol** 1990 Sep;27(5):727–37 (93 ref.)

SCALA TYMPANI

BLOOD SUPPLY

Spiral modiolar vein: its importance in inner ear inflammation. Harris JP, et al. **Acta Otolaryngol (Stockh)** 1990 Nov–Dec;110(5–6):357–65 (11 ref.)

SCALENUS ANTICUS SYNDROME see THORACIC OUTLET SYNDROME

SCALING, DENTAL see DENTAL SCALING

SCALP

Fibrosarcoma of the scalp following postoperative radiotherapy for medulloblastoma. Prasad ML, et al. **Acta Neurochir (Wien)** 1991;109(3–4):145–9 (22 ref.)

Pulmonary metastasis in nevoid basal cell carcinoma syndrome. Berardi RS, et al. **Int Surg** 1991 Jan–Mar; 76(1):64–6 (27 ref.)

Multiple pilomatricomas and myotonic dystrophy. Street ML, et al. **J Dermatol Surg Oncol** 1991 Sep;17(9):728–30 (13 ref.)

ABNORMALITIES

[Congenital cutaneous aplasia of the scalp. Apropos of 4 cases] Laumonier F, et al. **Chir Pediatr** 1990;31(2):106–12 (15 ref.) (Eng. Abstr.) **(Fre)**

INJURIES

Cerebrospinal fluid leak in the neonate—complication of fetal scalp electrode monitoring. Case report and review of the

literature. Sorokin Y, et al. **Isr J Med Sci** 1990 Nov; 26(11):633–5 (14 ref.)

PATHOLOGY

Vulvar epithelioid sarcoma metastatic to the scalp. A case report and review of the literature. Weissmann D, et al. **Am J Dermatopathol** 1990 Oct;12(5):462–8 (35 ref.)
Proliferating trichilemmal cyst in an organoid nevus. Gordon CJ. **Cutis** 1991 Jul;48(1):49–52 (13 ref.)
Cutaneous metastasis from papillary carcinoma of the thyroid gland. Elgart GW, et al. **J Am Acad Dermatol** 1991 Aug; 25(2 Pt 2):404–8 (22 ref.)

SURGERY

Scalp flaps. Field LM. **J Dermatol Surg Oncol** 1991 Feb; 17(2):190–9 (9 ref.)

SCALP DERMATOSES

DIAGNOSIS

Disorders of the hair and scalp in children. Levy ML. **Pediatr Clin North Am** 1991 Aug;38(4):905–19 (54 ref.)

DRUG THERAPY

The control of seborrhoeic dermatitis and dandruff by antipityrosporal drugs. McGrath J, et al. **Drugs** 1991 Feb; 41(2):178–84 (62 ref.)
[Angiolymphoid hyperplasia with eosinophilia. Remission with acitretin] Marcoux C, et al. **Ann Dermatol Venereol** 1991;118(3):217–21 (22 ref.) **(Fre)**

ETIOLOGY

Ichthyosiform scaling secondary to megavoltage radiotherapy. Ross EV. **Cutis** 1991 Jul;48(1):59–60 (5 ref.)

PATHOLOGY

Proliferating trichilemmal cyst in an organoid nevus. Gordon CJ. **Cutis** 1991 Jul;48(1):49–52 (13 ref.)

SCANNING ELECTRON MICROSCOPY see **MICROSCOPY, ELECTRON, SCANNING**

SCANNING, RADIOISOTOPE see **RADIONUCLIDE IMAGING**

SCAPULA

Condensing osteitis of the clavicle. Report of two cases and review of the literature. Lissens M, et al. **Acta Belg Med Phys** 1990 Oct–Dec;13(4):235–40 (17 ref.)
Osteoid osteoma of the scapula. A case report and review of the literature. Mosheiff R, et al. **Clin Orthop** 1991 Jan; (262):129–31 (20 ref.)

INJURIES

Scapular fractures. Analysis of 113 cases. Ada JR, et al. **Clin Orthop** 1991 Aug;(269):174–80 (33 ref.)
Fractures of the coracoid process: presentation of seven cases and review of the literature. Martín-Herrero T, et al. **J Trauma** 1990 Dec;30(12):1597–9 (19 ref.)

INNERVATION

Entrapment neuropathy of the suprascapular nerve by a ganglion. A report of three cases. Ogino T, et al. **J Bone Joint Surg [Am]** 1991 Jan;73(1):141–7 (23 ref.)
Suprascapular nerve lesions at the spinoglenoid notch: report of three cases and review of the literature. Liveson JA, et al. **J Neurol Neurosurg Psychiatry** 1991 Mar;54(3):241–3 (51 ref.)

PATHOLOGY

An unusual cutaneous metastasis of a chondrosarcoma. Leal-Khouri SM, et al. **J Cutan Pathol** 1990 Oct; 17(5):274–7 (16 ref.)

SURGERY

Scapular fractures. Analysis of 113 cases. Ada JR, et al. **Clin Orthop** 1991 Aug;(269):174–80 (33 ref.)

SCARPA'S GANGLION see **VESTIBULAR NERVE**

SCARS see **CICATRIX**

SCATTERING, RADIATION

Application of scattering techniques in the domain of amphiphiles. Corti M, et al. **Adv Colloid Interface Sci** 1990 Aug;32(2–3):151–66 (23 ref.)
Laser light scattering in biochemistry. Introductory remarks. Harding SE, et al. **Biochem Soc Trans** 1991 Apr;19(2):477 (2 ref.)
An overview of current methods of analysing QLS data. Johnsen RM, et al. **Biochem Soc Trans** 1991 Apr;19(2):482 (8 ref.)
Low-bias macroscopic analysis of polydispersity. Provencher SW. **Biochem Soc Trans** 1991 Apr;19(2):479–80 (8 ref.)
Radiation and osteosynthesis. Dosimetry on an irradiation phantom. Stoll P, et al. **J Craniomaxillofac Surg** 1990 Nov; 18(8):361–6 (41 ref.)
Photon scattering—a 'new' source of information in medicine and biology? Speller RD, et al. **Phys Med Biol** 1991 Jan; 36(1):1–6 (20 ref.)
Electron backscattering. Implication to electron dosimetry. Klevenhagen SC. **Radiol Med (Torino)** 1990 Oct;80(4 Suppl 1):160–2 (10 ref.)
The determination of phantom and collimator scatter components of the output of megavoltage photon beams: measurement of the collimator scatter part with a beam-coaxial narrow cylindrical phantom. van Gasteren JJ, et al. **Radiother Oncol** 1991 Apr;20(4):250–7 (27 ref.)
Neutron scattering: progress and prospects. Axe JD. **Science** 1991 May 10;252(5007):795–802 (68 ref.)
[Small-angle X-ray scattering study of biological macromolecules in solution] Sato M. **Tanpakushitsu Kakusan Koso** 1990 Dec;35(16):2883–91 (36 ref.) **(Jpn)**

SCH-23390

THERAPEUTIC USE

Dopamine D1 receptor antagonism in schizophrenia: is there reduced risk of extrapyramidal side-effects? Hietala J, et al. **Trends Pharmacol Sci** 1990 Oct;11(10):406–10 (40 ref.)

SCHAMBERG'S DISEASE see **PIGMENTATION DISORDERS**

SCHAUMANN'S DISEASE see **SARCOIDOSIS**

SCHEUERMANN'S DISEASE

[Scheuermann's disease] Fiirgaard B, et al. **Ugeskr Laeger** 1990 Sep 24;152(39):2843–6 (30 ref.) (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Cord compression in Scheuermann's kyphosis. A case report. Normelli HC, et al. **Acta Orthop Scand** 1991 Feb;62(1):70–2 (15 ref.)

THERAPY

[Evaluation and treatment of Scheuermann's disease] Waldis MF, et al. **Schweiz Rundsch Med Prax** 1990 Oct 30; 79(44):1326–33 (28 ref.) (Eng. Abstr.) **(Ger)**

SCHISTOSOMA

[Focus on Schistosoma intercalatum] Garin D, et al. **Med Trop (Mars)** 1990 Oct–Dec;50(4):433–40 (35 ref.) (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Recent insights into the structure and function of a larval proteinase involved in host infection by a multicellular parasite. McKerrow JH, et al. **Proc Soc Exp Biol Med** 1991 Jun;197(2):119–24 (23 ref.)

IMMUNOLOGY

Schistosome vaccines. Taylor DW. **Experientia** 1991 Feb 15; 47(2):152–7 (61 ref.)

PARASITOLOGY

Swimmer's itch: a cercarial dermatitis. Mulvihill CA, et al. **Cutis** 1990 Sep;46(3):211–3 (12 ref.)

PHYSIOLOGY

Schistosoma malayensis: the biologic, clinical, and pathologic features in man and experimental animals. Shekhar KC. **Prog Clin Parasitol** 1991;2:145–78 (72 ref.)
Plant molluscicides: potential of Aridan, Tetrapleura tetraptera, for schistosomiasis control in Nigeria. Adewunmi CO. **Sci Total Environ** 1991 Feb;102:21–33 (60 ref.)

SCHISTOSOMA HAEMATOBIUM

IMMUNOLOGY

Prospects of vaccination against schistosomiasis. Bergquist R. **Scand J Infect Dis Suppl** 1990;76:60–71 (63 ref.)

SCHISTOSOMA JAPONICUM

IMMUNOLOGY

Infection characteristics of Schistosoma japonicum in mice and relevance to the assessment of schistosome vaccines. Mitchell GF, et al. **Adv Parasitol** 1991;30:167–200 (185 ref.)
Prospects of vaccination against schistosomiasis. Bergquist R. **Scand J Infect Dis Suppl** 1990;76:60–71 (63 ref.)
[Advances in immunologic research in schistosomiasis] Fu Q. **Chung Hua I Hsueh Tsa Chih** 1990 Sep;70(9):534–6 (21 ref.) **(Chi)**

PHYSIOLOGY

Relative distribution of Schistosoma japonicum eggs in the intestine of man: a subject of inconsistency. Chen MG. **Acta Trop (Basel)** 1991 Jan;48(3):163–71 (46 ref.)

SCHISTOSOMA MANSONI

ENZYMOLOGY

Proteases in the schistosome life cycle: a paradigm for tumour metastasis. Doenhoff MJ, et al. **Cancer Metastasis Rev** 1990 Dec;9(4):381–92 (77 ref.)

IMMUNOLOGY

Functional dichotomy in the CD4+ T cell response to Schistosoma mansoni. Pearce EJ, et al. **Exp Parasitol** 1991 Jul;73(1):110–6 (31 ref.)
Prospects of vaccination against schistosomiasis. Bergquist R. **Scand J Infect Dis Suppl** 1990;76:60–71 (63 ref.)

SCHISTOSOMATIDAE

PARASITOLOGY

Swimmer's itch: a cercarial dermatitis. Mulvihill CA, et al. **Cutis** 1990 Sep;46(3):211–3 (12 ref.)

SCHISTOSOMIASIS

Schistosomiasis of the female genital tract [published erratum appears in S Afr Med J 1991 Aug 17;80(4):208] Friedberg D, et al. **S Afr Med J** 1991 Aug 3;80 Suppl:2–15 (53 ref.)
[Focus on Schistosoma intercalatum] Garin D, et al. **Med Trop (Mars)** 1990 Oct–Dec;50(4):433–40 (35 ref.) (Eng. Abstr.) **(Fre)**

PARASITOLOGY

Recent insights into the structure and function of a larval proteinase involved in host infection by a multicellular parasite. McKerrow JH, et al. **Proc Soc Exp Biol Med** 1991 Jun;197(2):119–24 (23 ref.)
Schistosoma malayensis: the biologic, clinical, and pathologic features in man and experimental animals. Shekhar KC. **Prog Clin Parasitol** 1991;2:145–78 (72 ref.)

PREVENTION & CONTROL

Molecular parasitology: progress towards the development of vaccines for malaria, filariasis, and schistosomiasis. Cryz SJ Jr. **Experientia** 1991 Feb 15;47(2):146–51 (50 ref.)
Schistosome vaccines. Taylor DW. **Experientia** 1991 Feb 15; 47(2):152–7 (61 ref.)
Prospects of vaccination against schistosomiasis. Bergquist R. **Scand J Infect Dis Suppl** 1990;76:60–71 (63 ref.)
Plant molluscicides: potential of Aridan, Tetrapleura tetraptera, for schistosomiasis control in Nigeria. Adewunmi CO. **Sci Total Environ** 1991 Feb;102:21–33 (60 ref.)
[Education, chemotherapy and a vaccine can stop increasing of schistosomiasis] Evengård B. **Lakartidningen** 1990 Oct 31;87(44):3615–8 (15 ref.) **(Swe)**

SCHISTOSOMIASIS HAEMATOBIA

EPIDEMIOLOGY

Measurement of schistosomiasis-related morbidity at community level in areas of different endemicity. Hatz C, et al. **Bull World Health Organ** 1990;68(6):777–87 (26 ref.)

IMMUNOLOGY

Eosinophilia, activated eosinophils and human schistosomiasis. Thorne KJ, et al. **J Cell Sci** 1991 Mar;98 (Pt 3):265–70 (82 ref.)

PARASITOLOGY

Urinary schistosomiasis with cutaneous lesions. Romero JA, et al. **Urol Int** 1991;46(1):85–6 (7 ref.)

SCHISTOSOMIASIS, INTESTINAL see **SCHISTOSOMIASIS MANSONI**

SCHISTOSOMIASIS JAPONICA

Hepatosplenic schistosomiasis in pregnancy: report of a case and review of the literature. Kopelman JN, et al. **Am J Perinatol** 1990 Oct;7(4):380–3 (14 ref.)

EPIDEMIOLOGY

Schistosomiasis in China. Mao SP, et al. **Prog Clin Parasitol** 1989;1:121–41 (71 ref.)

HISTORY

Schistosomiasis japonica: a vanishing endemic in Japan. Kitani K, et al. **J Gastroenterol Hepatol** 1990 Mar–Apr; 5(2):160–72 (68 ref.)

IMMUNOLOGY

Infection characteristics of Schistosoma japonicum in mice and relevance to the assessment of schistosome vaccines. Mitchell GF, et al. **Adv Parasitol** 1991;30:167–200 (185 ref.)
[Advances in immunologic research in schistosomiasis] Fu Q. **Chung Hua I Hsueh Tsa Chih** 1990 Sep;70(9):534–6 (21

ref.) (Chi)

PARASITOLOGY

Relative distribution of Schistosoma japonicum eggs in the intestine of man: a subject of inconsistency. Chen MG. **Acta Trop (Basel)** 1991 Jan;48(3):163–71 (46 ref.)

SCHISTOSOMIASIS MANSONI

COMPLICATIONS

[Lymphoma and Schistosoma mansoni schistosomiasis. Report of 1 case] Chirimwami B, et al. **Arch Anat Cytol Pathol** 1991;39(1–2):59–61 (23 ref.) (Eng. Abstr.) (Fre)

[Salmonella paratyphi A urinary infection in Schistosoma mansoni bilharziasis] Hennequin C, et al. **Rev Med Interne** 1991 Mar–Apr;12(2):141–2 (15 ref.) (Eng. Abstr.) (Fre)

EPIDEMIOLOGY

Measurement of schistosomiasis-related morbidity at community level in areas of different endemicity. Hatz C, et al. **Bull World Health Organ** 1990;68(6):777–87 (26 ref.)

IMMUNOLOGY

Functional dichotomy in the CD4+ T cell response to Schistosoma mansoni. Pearce EJ, et al. **Exp Parasitol** 1991 Jul;73(1):110–6 (31 ref.)

Eosinophilia, activated eosinophils and human schistosomiasis. Thorne KJ, et al. **J Cell Sci** 1991 Mar;98 (Pt 3):265–70 (82 ref.)

Immuno-parasitological parameters in schistosomiasis—a perspective view of a vaccine-oriented immunochemist. Arnon R. **Vaccine** 1991 Jun;9(6):379–94 (104 ref.)

METABOLISM

Production of neuropeptides by inflammatory cells within the granulomas of murine schistosomiasis mansoni. Weinstock JV. **Eur J Clin Invest** 1991 Apr;21(2):145–53 (126 ref.)

PARASITOLOGY

The relation between involvement of the central nervous system in schistosomiasis mansoni and the clinical forms of the parasitosis. A review. Pittella JE. **J Trop Med Hyg** 1991 Feb;94(1):15–21 (93 ref.)

PREVENTION & CONTROL

Studies on human schistosomiasis: chemotherapy, immunity and morbidity. Butterworth AE. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:53–7 (11 ref.)

SCHISTOSOMIASIS, URINARY see **SCHISTOSOMIASIS HAEMATOBIA**

SCHISTOSOMICIDES

Recent laboratory investigations by Chinese workers on antischistosomal activities of praziquantel. Xiao SH, et al. **Chin Med J (Engl)** 1991 Jul;104(7):599–606 (35 ref.)

TOXICITY

International Commission for Protection Against Environmental Mutagens and Carcinogens. ICPEMC publication No. 18. Review of the genotoxicity and carcinogenicity of antischistosomal drugs; is there a case for a study of mutation epidemiology? Report of a task group on mutagenic antischistosomals. Kramers PG, et al. **Mutat Res** 1991 Jan;257(1):49–89 (452 ref.)

SCHIZOAFFECTIVE DISORDER see **PSYCHOTIC DISORDERS**

SCHIZOPHRENIA

The fear of understanding schizophrenia and the avoidance of the acutely disturbed student. Karon BP. **J Am Coll Health** 1990 Sep;39(2):61–72; discussion 73–5 (55 ref.)

The nature and the management of schizophrenia. Johnstone EC. **Scott Med J** 1991 Feb;36(1):4–5 (31 ref.)

[Schizophrenia: an organic disease? Current status and debate] Vestergaard P. **Ugeskr Laeger** 1990 Oct 8; 152(41):2983–86 (30 ref.) (Eng. Abstr.) (Dan)

CHEMICALLY INDUCED

Recent advances in the phencyclidine model of schizophrenia. Javitt DC, et al. **Am J Psychiatry** 1991 Oct; 148(10):1301–8 (95 ref.)

Phencyclidine, NMDA receptor and schizophrenia. Nishikawa T, et al. **Yakubutsu Seishin Kodo** 1991 Feb; 11(1):65–9 (21 ref.)

COMPLICATIONS

Schizophrenia and fatal self-induced water intoxication with appropriately-diluted urine. Kushnir M, et al. **Am J Med Sci** 1990 Dec;300(6):385–7 (17 ref.)

The psychoses of epilepsy. Toone BK. **J R Soc Med** 1991 Aug;84(8):457–9 (13 ref.)

Antidepressant for substance-abusing schizophrenic patients: a minireview. Siris SG, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1991; 15(1):1–13 (58 ref.)

The contribution of some constitutional factors to the development of cow's milk and gluten intolerance in children. Kaczmarski M, et al. **Rocz Akad Med Bialymst** 1988–89;33–34:167–76 (71 ref.)

Epilepsy, psychosis and schizophrenia. Stevens JR. **Schizophr Res** 1988 Jan–Feb;1(1):79–89 (59 ref.)

DIAGNOSIS

"Negative symptoms": a cumulative trauma stress disorder? [see comments] Stampfer HG. **Aust N Z J Psychiatry** 1990 Dec;24(4):516–28 (35 ref.) Comment in: Aust N Z J Psychiatry 1991 Mar;25(1):9, 12–3.

Ordering thoughts on thought disorder. McGrath J. **Br J Psychiatry** 1991 Mar;158:307–16 (60 ref.)

Negative symptoms: psychopathological models. Ananth J, et al. **J Psychiatry Neurosci** 1991 Mar;16(1):12–8 (67 ref.)

Research on the clinical usefulness of the Rorschach: 1. The diagnosis of schizophrenia. Frank G. **Percept Mot Skills** 1990 Oct;71(2):573–8 (52 ref.)

Positive-negative symptom assessment in schizophrenia: psychometric issues and scale comparison. Kay SR. **Psychiatr Q** 1990 Fall;61(3):163–78 (53 ref.)

Switch processes and rapid cycling in bipolar affective disorders, cycloid psychoses and nonsystematic schizophrenia. Bräunig P. **Psychopathology** 1990; 23(4–6):291–302 (63 ref.)

Cycloid psychoses as atypical psychoses: 'concordance' and 'discordance'. Fukuda T. **Psychopathology** 1990; 23(4–6):253–8 (24 ref.)

Development and structure of the DCR Budapest-Nashville. Pethö B. **Psychopathology** 1990;23(4–6):316–30 (54 ref.)

Cycloid psychoses and schizoaffective psychoses—a comparison of different diagnostic classification systems and criteria. Zaudig M. **Psychopathology** 1990; 23(4–6):233–42 (43 ref.)

Awareness of illness in schizophrenia. Amador XF, et al. **Schizophr Bull** 1991;17(1):113–32 (90 ref.)

Schizophrenia: the characteristic symptoms. Andreasen NC, et al. **Schizophr Bull** 1991;17(1):27–49 (110 ref.)

Diagnostic criteria for schizophrenia and related disorders: options for DSM-IV. Flaum M, et al. **Schizophr Bull** 1991; 17(1):133–56 (17 ref.)

Considerations on "organic" exclusion criteria for schizophrenia. Kane JM, et al. **Schizophr Bull** 1991; 17(1):69–73 (26 ref.)

Significance of the positive-negative distinction in schizophrenia. Kay SR. **Schizophr Bull** 1990;16(4):635–52 (72 ref.)

The diagnosis of schizophrenia: a review of onset and duration issues. Keith SJ, et al. **Schizophr Bull** 1991; 17(1):51–67 (60 ref.)

Royal Park Multidiagnostic Instrument for Psychosis: Part I. Rationale and review. McGorry PD, et al. **Schizophr Bull** 1990;16(3):501–15 (80 ref.)

Brain magnetic resonance imaging: approaches for investigating schizophrenia. Pfefferbaum A, et al. **Schizophr Bull** 1990;16(3):453–76 (63 ref.)

Diagnosis of secondary depression in schizophrenia: implications for DSM-IV. Siris SG. **Schizophr Bull** 1991; 17(1):75–98 (115 ref.)

A selective review of biological markers in schizophrenia. Szymanski S, et al. **Schizophr Bull** 1991;17(1):99–111 (110 ref.)

Gender differences in affective, schizoaffective, and schizophrenic disorders. A review. Bardenstein KK, et al. **Schizophr Res** 1990 May–Jun;3(3):159–72 (115 ref.)

Current concepts in functional psychosis. The case for a loosening of associations. McGorry PD, et al. **Schizophr Res** 1990 Jul–Aug;3(4):221–34 (125 ref.)

Neuroimaging studies of schizophrenia. Pfefferbaum A, et al. **Schizophr Res** 1991 Mar–Apr;4(2):193–208 (80 ref.)

[Predictors of the course of schizophrenia—a review of the literature] Hubschmid T, et al. **Fortschr Neurol Psychiatr** 1990 Oct;58(10):359–66 (90 ref.) (Eng. Abstr.) (Ger)

[Negative schizophrenic symptoms and their detection] Kukla F, et al. **Fortschr Neurol Psychiatr** 1991 Feb; 59(2):60–6 (37 ref.) (Eng. Abstr.) (Ger)

[Significance of the mental representation problem (mimesis) in schizophrenic delusions] Feldmann H. **Nervenarzt** 1991 Jan;62(1):27–31 (40 ref.) (Ger)

DRUG THERAPY

Treatment programme and long-term outcome in chronic schizophrenia. Kane JM. **Acta Psychiatr Scand Suppl** 1990; 358:151–7 (55 ref.)

Clinically relevant differences between antipsychotic compounds. Silverstone T. **Acta Psychiatr Scand Suppl** 1990;358:88–91 (25 ref.)

Epidemiology, etiology, diagnosis, and treatment of schizophrenia. Ryan PM. **Am J Hosp Pharm** 1991 Jun; 48(6):1271–80 (107 ref.)

Benzodiazepines in the treatment of schizophrenia: a review and reappraisal. Wolkowitz OM, et al. **Am J Psychiatry** 1991 Jun;148(6):714–26 (103 ref.)

Clozapine and the outmoded drug use process. Hepler CD. **Am Pharm** 1990 Dec;NS30(12):39–40 (5 ref.)

The effect of neuroleptics on cognitive and psychomotor function. King DJ. **Br J Psychiatry** 1990 Dec;157:799–811 (140 ref.)

Verapamil in the treatment of schizophrenia. Wells BG. **DICP** 1990 Sep;24(9):838–40 (26 ref.)

Clozapine. A review of its pharmacological properties, and therapeutic use in schizophrenia. Fitton A, et al. **Drugs** 1990 Nov;40(5):722–47 (163 ref.)

Remoxipride. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in schizophrenia [published erratum appears in Drugs 1991 Apr;41(4):532] Wadworth AN, et al. **Drugs** 1990 Dec; 40(6):863–79 (68 ref.)

The "Clever Hans" phenomenon in animal models of schizophrenia, or homology as an important factor in comparing behavioral functions across species. Ahlenius S. **Perspect Biol Med** 1991 Winter;34(2):219–25 (24 ref.)

Drug treatment of schizophrenia: current concepts. Naber D, et al. **Pharmacopsychiatry** 1991 Mar;24(2):43–4 (0 ref.)

Long term use of neuroleptics by schizophrenic patients. Williams R, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1991; 15(2):221–8 (29 ref.)

New advances in psychotherapeutic agents: clozapine. Borison RL, et al. **Psychiatr Med** 1990;8(4):13–21 (43 ref.)

Benzodiazepines (BZ) for the management of psychosis. Easton MS, et al. **Psychiatr Med** 1991;9(1):25–36 (48 ref.)

Atypical antipsychotics. Holland D, et al. **Psychiatr Med** 1991;9(1):5–24 (27 ref.)

Effects of neuroleptics on electrodermal activity in schizophrenic patients: a review. Schnur DB. **Psychopharmacology (Berl)** 1990;102(4):429–37 (54 ref.)

Neuroleptics: effects on neuropsychological function in chronic schizophrenic patients. Cassens G, et al. **Schizophr Bull** 1990;16(3):477–99 (70 ref.)

When symptoms persist: choosing among alternative somatic treatments for schizophrenia. Christison GW, et al. **Schizophr Bull** 1991;17(2):217–45 (153 ref.)

Maintenance medication for schizophrenia: strategies for dose reduction. Schooler NR. **Schizophr Bull** 1991;17(2):311–24 (42 ref.)

Neuroleptics and the natural course of schizophrenia. Wyatt RJ. **Schizophr Bull** 1991;17(2):325–51 (85 ref.)

Neuroleptic drug-induced extrapyramidal syndromes and tardive dyskinesia. Casey DE. **Schizophr Res** 1991 Mar–Apr;4(2):109–20 (70 ref.)

Mechanisms of action of atypical antipsychotic drugs. Implications for novel therapeutic strategies for schizophrenia. Deutch AY, et al. **Schizophr Res** 1991 Mar–Apr;4(2):121–56 (450 ref.)

Drug treatment of schizophrenia. Overview of recent research. Marder SR, et al. **Schizophr Res** 1991 Mar–Apr; 4(2):81–90 (130 ref.)

Dopamine D1 receptor antagonism in schizophrenia: is there reduced risk of extrapyramidal side-effects? Hietala J, et al. **Trends Pharmacol Sci** 1990 Oct;11(10):406–10 (40 ref.)

Neurotensin-dopamine interactions: relevance to schizophrenia and the action of antipsychotic drugs. Stowe ZN, et al. **Yakubutsu Seishin Kodo** 1991 Feb;11(1):49–59 (105 ref.)

[Continuity in the neuroleptic treatment in patients with schizophrenia. Current data] Tignol J, et al. **Ann Med Psychol (Paris)** 1990 Mar;148(3):290–3 (10 ref.) (Fre)

[Atypical neuroleptics. Review of the available clinical data] Verhoeven WM, et al. **Encephale** 1990 Nov–Dec; 16(6):439–44 (44 ref.) (Eng. Abstr.) (Fre)

[Use of certain cardiological drugs in the treatment of schizophrenia: review of the literature] Llorca PM, et al. **J Psychiatry Neurosci** 1991 Mar;16(1):19–24 (52 ref.) (Fre)

[Therapeutic treatment with neuroleptics. I: State of research on mechanisms of action, effectiveness and compliance in treatment of psychoses] Krausz M, et al. **Psychiatr Prax** 1991 Jan;18(1):9–13 (54 ref.) (Eng. Abstr.) (Ger)

[Therapeutic treatment with neuroleptics. II: Subjective mechanisms of effect, compliance and consequences for treatment strategy] Krausz M, et al. **Psychiatr Prax** 1991 Jan;18(1):14–20 (75 ref.) (Eng. Abstr.) (Ger)

[Psychotropic effect of clonidine—the role of alpha 2 adrenergic receptors in the pathogenesis of mental disorders] Kasperowicz-Dąbrowiecka A, et al. **Psychiatr Pol** 1990 Mar–Apr;24(2):151–9 (40 ref.) (Pol)

[Central effect of calcium channel antagonists: new therapeutic possibilities in neurology and psychiatry?] Kostowski W, et al. **Psychiatr Pol** 1990 May–Jun; 24(3):209–16 (39 ref.) (Pol)

EPIDEMIOLOGY

An update on the epidemiology of schizophrenia. Beiser M, et al. **Can J Psychiatry** 1990 Nov;35(8):657–68 (142 ref.)

Schizophrenia, just the facts. What do we know, how well do we know it? Wyatt RJ, et al. **Schizophr Res** 1988 Jan–Feb;1(1):3–18 (105 ref.)

[Survey on the seasonal changes in the birth of patients with schizophrenia] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1990 Oct;148(8):698–708 (52 ref.) (Fre)

ETIOLOGY

Psychiatric research and the exact science. Lempp R. **Acta Paedopsychiatr** 1989;52(3):204–8 (9 ref.)

Fetal brain development and later schizophrenia. Murray RM, et al. **Ciba Found Symp** 1991;156:155–63; discussion 163–70 (34 ref.)

Is schizophrenia caused by excessive production of interleukin-2 and interleukin-2 receptors by gastrointestinal lymphocytes? Smith RS. **Med Hypotheses** 1991 Mar; 34(3):225–9 (42 ref.)

Phasic versus tonic dopamine release and the modulation of dopamine system responsivity: a hypothesis for the etiology of schizophrenia. Grace AA. **Neuroscience** 1991;41(1):1–24 (355 ref.)

Causes of schizophrenia. Hemmings G. **Nutr Health** 1990; 7(1):11–9 (17 ref.)

Searching for the causes of schizophrenia: the role of migrant studies. Harrison G. **Schizophr Bull** 1990;16(4):663–71 (81 ref.)

Application of epidemiological research toward a model for the etiology of schizophrenia. Häfner H. **Schizophr Res** 1989 Jul–Oct;2(4–5):375–83 (75 ref.)

The positive/negative symptom distinction in schizophrenia. Validity and etiological relevance. Walker E, et al. **Schizophr Res** 1988 Sep–Oct;1(5):315–28 (77 ref.)

[Prostaglandins E1 and psychopathogeny of schizophrenia] Soulairac A, et al. **Encephale** 1990 Sep–Oct;16(5):371–4 (16 ref.) (Eng. Abstr.) **(Fre)**

[Search for early prognostic factors in schizophrenia: current problems (review of the literature)] Koloskova MV, et al. **Zh Nevropatol Psikhiatr** 1990;90(9):120–5 (71 ref.) **(Rus)**

GENETICS

Implications of age of onset for the genetics of schizophrenia. Ridley RM, et al. **Biol Psychiatry** 1990 Sep 1;28(5):455–8 (41 ref.)

The search for the psychosis gene. Crow TJ. **Br J Psychiatry** 1991 May;158:611–4 (27 ref.)

The continuum of psychosis and its genetic origins. The sixty-fifth Maudsley lecture [see comments] Crow TJ. **Br J Psychiatry** 1990 Jun;156:788–97 (78 ref.) Comment in: Br J Psychiatry 1990 Nov;157:781–2.

The genetics of schizophrenia is the genetics of neurodevelopment. Jones P, et al. **Br J Psychiatry** 1991 May;158:615–23 (110 ref.)

The genetics of schizophrenia. De Marchi N. **Dev Med Child Neurol** 1991 May;33(5):452–8 (44 ref.)

DNA markers and biological vulnerability markers in families multiply affected with schizophrenia. Blackwood D, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;240(3):191–6 (38 ref.)

The genetic epidemiology of schizophrenia and the design of linkage studies. McGue M, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;240(3):174–81 (46 ref.)

The molecular genetics of schizophrenia: an overview and forward view. McGuffin P, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;240(3):169–73 (27 ref.)

DNA and classical genetic markers in schizophrenia. Owen MJ, et al. **Eur Arch Psychiatry Clin Neurosci** 1991; 240(3):197–203 (62 ref.)

Doubt about evidence for a schizophrenia gene on chromosome 5 [editorial] Watt DC, et al. **Psychol Med** 1991 May;21(2):279–85 (29 ref.)

Schizophrenia as a genetic encephalopathy. Crow TJ. **Recenti Prog Med** 1990 Nov;81(11):738–45 (60 ref.)

The current status of linkage studies in schizophrenia. Gelernter J, et al. **Res Publ Assoc Res Nerv Ment Dis** 1991; 69:137–52 (152 ref.)

Strategies for linkage studies in schizophrenia. Mellon CD, et al. **Schizophr Res** 1989 May–Jun;2(3):277–85 (70 ref.)

Variable expression in the functional psychoses. A comparison with Huntington's disease. Ridley RM, et al. **Schizophr Res** 1990 May–Jun;3(3):201–10 (95 ref.)

The genetics of schizophrenia. Current knowledge and future directions. Tsuang MT, et al. **Schizophr Res** 1991 Mar–Apr; 4(2):157–71 (35 ref.)

Genetic mapping of common diseases: the challenges of manic-depressive illness and schizophrenia. Gershon ES, et al. **Trends Genet** 1990 Sep;6(9):282–7 (35 ref.)

IMMUNOLOGY

Is schizophrenia an autoimmune disease? Sirota P. **Isr J Med Sci** 1990 Dec;26(12):694–7 (27 ref.)

[Has schizophrenia an immunologic basis] Amital-Teplizki H, et al. **Harefuah** 1991 Apr 1;120(7):392–4 (39 ref.) **(Heb)**

METABOLISM

Status of the dopaminergic system in post-mortem brain in schizophrenia. Reynolds GP, et al. **Psychopharmacol Bull** 1988;24(3):345–7 (13 ref.)

Schizophrenia: a neurotransmitter imbalance syndrome? Carlsson A. **Yakubutsu Seishin Kodo** 1990 Mar;10(1):35–42 (36 ref.)

[Significance of GABA-energic system in the central nervous system in clinical psychologic medicine] Ciu Z, et al. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1990 Aug; 23(4):249–51 (21 ref.) **(Chi)**

MORTALITY

Schizophrenics kill themselves too: a review of risk factors for suicide. Caldwell CB, et al. **Schizophr Bull** 1990; 16(4):571–89 (124 ref.)

PATHOLOGY

Schizophrenia: a neuropathological perspective. Roberts GW. **Br J Psychiatry** 1991 Jan;158:8–17 (80 ref.)

Temporal lobe asymmetries as the key to the etiology of schizophrenia. Crow TJ. **Schizophr Bull** 1990;16(3):433–43 (53 ref.)

A viral-anatomical explantation of schizophrenia [see comments] Torrey EF. **Schizophr Bull** 1991;17(1):15–8 (24 ref.) Comment in: Schizophr Bull 1991;17(1):19–24.

The brain in schizophrenia. Hyde TM, et al. **Semin Neurol** 1990 Sep;10(3):276–86 (98 ref.)

[Present-day neurological anatomy of schizophrenia (review of foreign literature] Orlovskaia DD, et al. **Zh Nevropatol Psikhiatr** 1990;90(10):114–20 (82 ref.) **(Rus)**

PHYSIOPATHOLOGY

Monoamines and schizophrenia. Sedvall G. **Acta Psychiatr Scand Suppl** 1990;358:7–13 (17 ref.)

Magnetoencephalography in the study of mental illness. Reite M. **Adv Neurol** 1990;54:207–22 (58 ref.)

Startle response models of sensorimotor gating and habituation deficits in schizophrenia. Geyer MA, et al. **Brain Res Bull** 1990 Sep;25(3):485–98 (87 ref.)

Pathophysiologic basis for schizophrenia and the efficacy of antipsychotics. Ereshefsky L, et al. **Clin Pharm** 1990 Sep; 9(9):682–707 (276 ref.)

Outcome of schizophrenia into later life: an overview. Cohen CI. **Gerontologist** 1990 Dec;30(6):790–7 (61 ref.)

Neurobiology of schizophrenic syndromes [see comments] Garza-Treviño ES, et al. **Hosp Community Psychiatry** 1990 Sep;41(9):971–80 (101 ref.) Comment in: Hosp Community Psychiatry 1991 Apr;42(4):429.

A rational approach to disorders of water balance in psychiatric patients. Goldman MB. **Hosp Community Psychiatry** 1991 May;42(5):488–94 (35 ref.)

A psychobiological model of the pathogenesis of schizophrenic symptoms. Koukkou M, et al. **Int J Psychophysiol** 1991 Jan;10(3):203–12 (39 ref.)

Immunopathology and viral reactivation. A general theory of schizophrenia. Waltrip RW 2d, et al. **J Nerv Ment Dis** 1990 Dec;178(12):729–38 (162 ref.)

The brain in schizophrenia. Ron MA, et al. **J Neurol Neurosurg Psychiatry** 1990 Sep;53(9):725–6 (40 ref.)

Current conceptualizations of psychiatric illnesses as neurological disorders. Silverstein ML. **Mol Chem Neuropathol** 1990 Mar;12(2):131–42 (60 ref.)

The prefrontal cortex in schizophrenia and other neuropsychiatric diseases: in vivo physiological correlates of cognitive deficits. Berman KF, et al. **Prog Brain Res** 1990;85:521–36; discussion 536–7 (52 ref.)

Schizophrenia, corpus callosum, and interhemispheric communication: a review. Coger RW, et al. **Psychiatry Res** 1990 Nov;34(2):163–84 (55 ref.)

Habituation deficits, serotonergic function, and schizophrenia: new animal model data. Braff DL, et al. **Psychopharmacol Bull** 1988;24(3):426–30 (19 ref.)

Adaptation of the dopaminergic system in the pathophysiology and treatment of schizophrenia. Introduction. Friedhoff AJ. **Psychopharmacol Bull** 1988; 24(3):335–7 (1 ref.)

Psychophysiology at the interface of clinical science, cognitive science, and neuroscience. Dawson ME. **Psychophysiology** 1990 May;27(3):243–55 (55 ref.)

Counterpoint: a sensory gating—hippocampal model of schizophrenia [comment] Adler LE, et al. **Schizophr Bull** 1991;17(1):19–24 (35 ref.) Comment on: Schizophr Bull 1991;17(1):15–8.

The frontal lobes, basal ganglia, and temporal lobes as sites for schizophrenia. Buchsbaum MS. **Schizophr Bull** 1990; 16(3):379–89 (56 ref.)

Schizophrenia: a subcortical neurotransmitter imbalance syndrome? Carlsson M, et al. **Schizophr Bull** 1990; 16(3):425–32 (40 ref.)

Neurobehavioral studies in schizophrenia: implications for regional brain dysfunction. Gur RE, et al. **Schizophr Bull** 1990;16(3):445–51 (45 ref.)

Evidence for reduced and dysregulated turnover of dopamine in schizophrenia. Heritch AJ. **Schizophr Bull** 1990; 16(4):605–15 (65 ref.)

The case of frontostriatal dysfunction in schizophrenia. Robbins TW. **Schizophr Bull** 1990;16(3):391–402 (56 ref.)

Pineal melatonin in schizophrenia: a review and hypothesis. Sandyk R, et al. **Schizophr Bull** 1990;16(4):653–62 (120 ref.)

Is there a right hemi-hyper-dopaminergic psychosis? Bracha HS. **Schizophr Res** 1989 Jul–Oct;2(4–5):317–24 (90 ref.)

Learning from outcome studies. Toward a comprehensive biological-psychosocial understanding of schizophrenia. Ciompi L. **Schizophr Res** 1988 Nov–Dec;1(6):373–84 (85 ref.)

Elementary neuronal dysfunctions in schizophrenia. Freedman R, et al. **Schizophr Res** 1991 Mar–Apr; 4(2):233–43 (36 ref.)

Event-related potentials in schizophrenia: their biological and clinical correlates and a new model of schizophrenic pathophysiology. McCarley RW, et al. **Schizophr Res** 1991 Mar–Apr;4(2):209–31 (110 ref.)

Dopamine and norepinephrine activity in schizophrenia. An integrative perspective. van Kammen DP, et al. **Schizophr Res** 1991 Mar–Apr;4(2):173–91 (110 ref.)

[Attention deficits and schizophrenia. Multidisciplinary approaches and the Stroop's test] Everett J, et al. **Encephale** 1991 May–Jun;17(3):171–8 (56 ref.) (Eng. Abstr.) **(Fre)**

[Disorders of pain perception in schizophrenia] Jakubaschk J, et al. **Schweiz Arch Neurol Psychiatr** 1991;142(1):55–76 (50 ref.) (Eng. Abstr.) **(Ger)**

[Inter- and intrahemispheric dysfunction in schizophrenia] Ben-Artzi E, et al. **Harefuah** 1991 Jan 1;120(1):34–7 (22 ref.) **(Heb)**

[Psychoimmunology. II. The neuroendocrine system and the immune system in autism and schizophrenia] Francesetti G, et al. **Minerva Psichiatr** 1991 Apr–Jun;32(2):75–82 (44 ref.) (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Computerised tomography in schizophrenia 15 years on. Lewis SW. **Br J Psychiatry Suppl** 1990;(9):16–24 (100 ref.)

RADIONUCLIDE IMAGING

Sight and insight: regional cerebral metabolic activity in schizophrenia visualised by positron emission tomography, and competing neurodevelopmental perspectives [see comments] Waddington JL. **Br J Psychiatry** 1990 May; 156:615–9 (48 ref.) Comment in: Br J Psychiatry 1990 Nov;157:784–5.

Positron emission tomography in neuropsychiatry. Faulstich ME, et al. **Invest Radiol** 1991 Feb;26(2):184–94 (93 ref.)

REHABILITATION

Relatives and patients as partners in the management of schizophrenia. The development of a service model. Smith J, et al. **Br J Psychiatry** 1990 May;156:654–60 (31 ref.)

Psychosocial family intervention in schizophrenia: a review of empirical studies. Lam DH. **Psychol Med** 1991 May; 21(2):423–41 (100 ref.)

Expressed emotion as a predictor of schizophrenic relapse: an analysis of aggregated data. Parker G, et al. **Psychol Med** 1990 Nov;20(4):961–5 (22 ref.)

Another view of autonomy: arranging for consent in advance [see comments] Rosenson MK, et al. **Schizophr Bull** 1991; 17(1):1–7 (22 ref.) Comment in: Schizophr Bull 1991;17(1):9–14.

Rehabilitation research methods for schizophrenia. Corrigan PW. **Schizophr Res** 1989 Nov–Dec;2(6):425–37 (140 ref.)

Cost-effectiveness studies in the treatment of schizophrenia: a review. Goldberg D. **Soc Psychiatry Psychiatr Epidemiol** 1991 May;26(3):139–42 (23 ref.)

[Schizophrenic residual syndrome. Empirical problem and clinico-integrative approach to understanding the psychopathology] Kick H. **Nervenarzt** 1991 Jan;62(1):32–40 (70 ref.) **(Ger)**

[Origin of problematic constellations in psychiatric family care. Theoretical considerations and presentation of the course of a discontinued family care episode] Schmidt-Michel PO, et al. **Psychother Psychosom Med Psychol** 1991 Jun;41(6):224–31 (30 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Family interventions for schizophrenia. Tarrier N, et al. **Behav Modif** 1990 Oct;14(4):408–40 (100 ref.)

Behavioral family therapy for schizophrenia. Mueser KT, et al. **Prog Behav Modif** 1990;26:122–49 (75 ref.)

Integrative approaches to the treatment of the schizophrenic disorders. Cancro R. **Yakubutsu Seishin Kodo** 1991 Feb; 11(1):61–4 (7 ref.)

SCHIZOPHRENIA, BORDERLINE see **SCHIZOTYPAL PERSONALITY DISORDER**

SCHIZOPHRENIA, DISORGANIZED

BLOOD

[Assays of arylsulfatase activity in psychotic patients. Review of the literature and results of a study of 22 patients] Lejoyeux M, et al. **Encephale** 1991 Mar–Apr;17(2):87–92 (28 ref.) (Eng. Abstr.) **(Fre)**

SCHIZOPHRENIA, HEBEPHRENIC see **SCHIZOPHRENIA, DISORGANIZED**

SCHIZOPHRENIA, LATENT see **SCHIZOTYPAL PERSONALITY DISORDER**

SCHIZOPHRENIA, PARANOID

Self-inflected oral injuries and suicidal ideation secondary to loss of teeth. Watkins KV. **N Y State Dent J** 1991 May; 57(5):21–3 (12 ref.)

BLOOD

[Assays of arylsulfatase activity in psychotic patients. Review of the literature and results of a study of 22 patients] Lejoyeux M, et al. **Encephale** 1991 Mar-Apr;17(2):87-92 (28 ref.) (Eng. Abstr.) **(Fre)**

SCHIZOPHRENIA, PSEUDONEUROTIC see **SCHIZOTYPAL PERSONALITY DISORDER**

SCHIZOPHRENIC DISORDERS see **SCHIZOPHRENIA**

SCHIZOPHRENIC LANGUAGE

Ordering thoughts on thought disorder. McGrath J. **Br J Psychiatry** 1991 Mar;158:307-16 (60 ref.)

SCHIZOPHRENIC PSYCHOLOGY

Psychiatric research and the exact science. Lempp R. **Acta Paedopsychiatr** 1989;52(3):204-8 (9 ref.)

Treatment programme and long-term outcome in chronic schizophrenia. Kane JM. **Acta Psychiatr Scand Suppl** 1990; 358:151-7 (55 ref.)

Monoamines and schizophrenia. Sedvall G. **Acta Psychiatr Scand Suppl** 1990;358:7-13 (17 ref.)

"Negative symptoms": a cumulative trauma stress disorder? [see comments] Stampfer HG. **Aust N Z J Psychiatry** 1990 Dec;24(4):516-28 (35 ref.) Comment in: Aust N Z J Psychiatry 1991 Mar;25(1):9, 12-3.

Family interventions for schizophrenia. Tarrier N, et al. **Behav Modif** 1990 Oct;14(4):408-40 (100 ref.)

Implications of age of onset for the genetics of schizophrenia. Ridley RM, et al. **Biol Psychiatry** 1990 Sep 1;28(5):455-8 (41 ref.)

The search for the psychosis gene. Crow TJ. **Br J Psychiatry** 1991 May;158:611-4 (27 ref.)

The genetics of schizophrenia is the genetics of neurodevelopment. Jones P, et al. **Br J Psychiatry** 1991 May;158:615-23 (110 ref.)

The effect of neuroleptics on cognitive and psychomotor function. King DJ. **Br J Psychiatry** 1990 Dec;157:799-811 (140 ref.)

Ordering thoughts on thought disorder. McGrath J. **Br J Psychiatry** 1991 Mar;158:307-16 (60 ref.)

Schizophrenia: a neuropathological perspective. Roberts GW. **Br J Psychiatry** 1991 Jan;158:8-17 (80 ref.)

Relatives and patients as partners in the management of schizophrenia. The development of a service model. Smith J, et al. **Br J Psychiatry** 1990 May;156:654-60 (31 ref.)

Sight and insight: regional cerebral metabolic activity in schizophrenia visualised by positron emission tomography, and competing neurodevelopmental perspectives [see comments] Waddington JL. **Br J Psychiatry** 1990 May; 156:615-9 (48 ref.) Comment in: Br J Psychiatry 1990 Nov;157:784-5.

An update on the epidemiology of schizophrenia. Beiser M, et al. **Can J Psychiatry** 1990 Nov;35(8):657-68 (142 ref.)

The genetics of schizophrenia. De Marchi N. **Dev Med Child Neurol** 1991 May;33(5):452-8 (44 ref.)

DNA markers and biological vulnerability markers in families multiply affected with schizophrenia. Blackwood D, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;240(3):191-6 (38 ref.)

The genetic epidemiology of schizophrenia and the design of linkage studies. McGue M, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;240(3):174-81 (46 ref.)

The molecular genetics of schizophrenia: an overview and forward view. McGuffin P, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;240(3):169-73 (27 ref.)

DNA and classical genetic markers in schizophrenia. Owen MJ, et al. **Eur Arch Psychiatry Clin Neurosci** 1991; 240(3):197-203 (62 ref.)

Neurobiology of schizophrenic syndromes [see comments] Garza-Treviño ES, et al. **Hosp Community Psychiatry** 1990 Sep;41(9):971-80 (101 ref.) Comment in: Hosp Community Psychiatry 1991 Apr;42(4):429.

A rational approach to disorders of water balance in psychiatric patients. Goldman MB. **Hosp Community Psychiatry** 1991 May;42(5):488-94 (35 ref.)

The brain in schizophrenia. Ron MA, et al. **J Neurol Neurosurg Psychiatry** 1990 Sep;53(9):725-6 (40 ref.)

Negative symptoms: psychopathological models. Ananth J, et al. **J Psychiatry Neurosci** 1991 Mar;16(1):12-8 (67 ref.)

The prediction of suicide [see comments] Davis AT, et al. **Med J Aust** 1990 Nov 5;153(9):552-4 (26 ref.) Comment in: Med J Aust 1991 Feb 4;154(3):218.

Research on the clinical usefulness of the Rorschach: 1. The diagnosis of schizophrenia. Frank G. **Percept Mot Skills** 1990 Oct;71(2):573-8 (52 ref.)

Behavioral family therapy for schizophrenia. Mueser KT, et al. **Prog Behav Modif** 1990;26:122-49 (75 ref.)

Secondary depression: observations in alcoholism, Briquet's syndrome, anxiety disorder, schizophrenia, and antisocial personality. A form of comorbidity? Guze SB. **Psychiatr Clin North Am** 1990 Dec;13(4):651-9 (17 ref.)

Benzodiazepines (BZ) for the management of psychosis. Easton MS, et al. **Psychiatr Med** 1991;9(1):25-36 (48 ref.)

Atypical antipsychotics. Holland D, et al. **Psychiatr Med** 1991;9(1):5-24 (27 ref.)

Positive-negative symptom assessment in schizophrenia: psychometric issues and scale comparison. Kay SR. **Psychiatr Q** 1990 Fall;61(3):163-78 (53 ref.)

Schizophrenia, corpus callosum, and interhemispheric communication: a review. Coger RW, et al. **Psychiatry Res** 1990 Nov;34(2):163-84 (55 ref.)

Psychosocial family intervention in schizophrenia: a review of empirical studies. Lam DH. **Psychol Med** 1991 May; 21(2):423-41 (100 ref.)

Expressed emotion as a predictor of schizophrenic relapse: an analysis of aggregated data. Parker G, et al. **Psychol Med** 1990 Nov;20(4):961-5 (22 ref.)

Doubt about evidence for a schizophrenia gene on chromosome 5 [editorial] Watt DC, et al. **Psychol Med** 1991 May;21(2):279-85 (29 ref.)

Clinical pharmacology and Leonhard's classification of endogenous psychoses. Ban TA. **Psychopathology** 1990; 23(4-6):331-8 (36 ref.)

Switch processes and rapid cycling in bipolar affective disorders, cycloid psychoses and nonsystematic schizophrenia. Bräunig P. **Psychopathology** 1990; 23(4-6):291-302 (63 ref.)

Cycloid psychoses as atypical psychoses: 'concordance' and 'discordance'. Fukuda T. **Psychopathology** 1990; 23(4-6):253-8 (24 ref.)

Development and structure of the DCR Budapest-Nashville. Pethö B. **Psychopathology** 1990;23(4-6):316-30 (54 ref.)

Cycloid psychoses and schizoaffective psychoses--a comparison of different diagnostic classification systems and criteria. Zaudig M. **Psychopathology** 1990; 23(4-6):233-42 (43 ref.)

Psychophysiology at the interface of clinical science, cognitive science, and neuroscience. Dawson ME. **Psychophysiology** 1990 May;27(3):243-55 (55 ref.)

The current status of linkage studies in schizophrenia. Gelernter J, et al. **Res Publ Assoc Res Nerv Ment Dis** 1991; 69:137-52 (152 ref.)

Counterpoint: a sensory gating--hippocampal model of schizophrenia [comment] Adler LE, et al. **Schizophr Bull** 1991;17(1):19-24 (35 ref.) Comment on: Schizophr Bull 1991;17(1):15-8.

Awareness of illness in schizophrenia. Amador XF, et al. **Schizophr Bull** 1991;17(1):113-32 (90 ref.)

Schizophrenia: the characteristic symptoms. Andreasen NC, et al. **Schizophr Bull** 1991;17(1):27-49 (110 ref.)

The frontal lobes, basal ganglia, and temporal lobes as sites for schizophrenia. Buchsbaum MS. **Schizophr Bull** 1990; 16(3):379-89 (56 ref.)

Schizophrenics kill themselves too: a review of risk factors for suicide. Caldwell CB, et al. **Schizophr Bull** 1990; 16(4):571-89 (124 ref.)

Schizophrenia: a subcortical neurotransmitter imbalance syndrome? Carlsson M, et al. **Schizophr Bull** 1990; 16(3):425-32 (40 ref.)

Neuroleptics: effects on neuropsychological function in chronic schizophrenic patients. Cassens G, et al. **Schizophr Bull** 1990;16(3):477-99 (70 ref.)

Temporal lobe asymmetries as the key to the etiology of schizophrenia. Crow TJ. **Schizophr Bull** 1990;16(3):433-43 (53 ref.)

Diagnostic criteria for schizophrenia and related disorders: options for DSM-IV. Flaum M, et al. **Schizophr Bull** 1991; 17(1):133-56 (17 ref.)

Neurobehavioral studies in schizophrenia: implications for regional brain dysfunction. Gur RE, et al. **Schizophr Bull** 1990;16(3):445-51 (45 ref.)

Searching for the causes of schizophrenia: the role of migrant studies. Harrison G. **Schizophr Bull** 1990;16(4):663-71 (81 ref.)

Evidence for reduced and dysregulated turnover of dopamine in schizophrenia. Heritch AJ. **Schizophr Bull** 1990; 16(4):605-15 (65 ref.)

Considerations on "organic" exclusion criteria for schizophrenia. Kane JM, et al. **Schizophr Bull** 1991; 17(1):69-73 (26 ref.)

Significance of the positive-negative distinction in schizophrenia. Kay SR. **Schizophr Bull** 1990;16(4):635-52 (72 ref.)

The diagnosis of schizophrenia: a review of onset and duration issues. Keith SJ, et al. **Schizophr Bull** 1991; 17(1):51-67 (60 ref.)

Royal Park Multidiagnostic Instrument for Psychosis: Part I. Rationale and review. McGorry PD, et al. **Schizophr Bull** 1990;16(3):501-15 (80 ref.)

Brain magnetic resonance imaging: approaches for investigating schizophrenia. Pfefferbaum A, et al. **Schizophr Bull** 1990;16(3):453-76 (63 ref.)

The case of frontostriatal dysfunction in schizophrenia. Robbins TW. **Schizophr Bull** 1990;16(3):391-402 (56 ref.)

Another view of autonomy: arranging for consent in advance [see comments] Rosenson MK, et al. **Schizophr Bull** 1991; 17(1):1-7 (22 ref.) Comment in: Schizophr Bull 1991;17(1):9-14.

Pineal melatonin in schizophrenia: a review and hypothesis. Sandyk R, et al. **Schizophr Bull** 1990;16(4):653-62 (120 ref.)

Diagnosis of secondary depression in schizophrenia: implications for DSM-IV. Siris SG. **Schizophr Bull** 1991; 17(1):75-98 (115 ref.)

A selective review of biological markers in schizophrenia. Szymanski S, et al. **Schizophr Bull** 1991;17(1):99-111 (110 ref.)

A viral-anatomical explantation of schizophrenia [see comments] Torrey EF. **Schizophr Bull** 1991;17(1):15-8 (24 ref.) Comment in: Schizophr Bull 1991;17(1):19-24.

Gender differences in affective, schizoaffective, and schizophrenic disorders. A review. Bardenstein KK, et al. **Schizophr Res** 1990 May-Jun;3(3):159-72 (115 ref.)

Is there a right hemi-hyper-dopaminergic psychosis? Bracha HS. **Schizophr Res** 1989 Jul-Oct;2(4-5):317-24 (90 ref.)

Neuroleptic drug-induced extrapyramidal syndromes and tardive dyskinesia. Casey DE. **Schizophr Res** 1991 Mar-Apr;4(2):109-20 (70 ref.)

Learning from outcome studies. Toward a comprehensive biological-psychosocial understanding of schizophrenia. Ciompi L. **Schizophr Res** 1988 Nov-Dec;1(6):373-84 (85 ref.)

Rehabilitation research methods for schizophrenia. Corrigan PW. **Schizophr Res** 1989 Nov-Dec;2(6):425-37 (140 ref.)

Mechanisms of action of atypical antipsychotic drugs. Implications for novel therapeutic strategies for schizophrenia. Deutch AY, et al. **Schizophr Res** 1991 Mar-Apr;4(2):121-56 (450 ref.)

Elementary neuronal dysfunctions in schizophrenia. Freedman R, et al. **Schizophr Res** 1991 Mar-Apr; 4(2):233-43 (36 ref.)

Application of epidemiological research toward a model for the etiology of schizophrenia. Häfner H. **Schizophr Res** 1989 Jul-Oct;2(4-5):375-83 (75 ref.)

Event-related potentials in schizophrenia: their biological and clinical correlates and a new model of schizophrenic pathophysiology. McCarley RW, et al. **Schizophr Res** 1991 Mar-Apr;4(2):209-31 (110 ref.)

Current concepts in functional psychosis. The case for a loosening of associations. McGorry PD, et al. **Schizophr Res** 1990 Jul-Aug;3(4):221-34 (125 ref.)

Drug treatment of schizophrenia. Overview of recent research. Marder SR, et al. **Schizophr Res** 1991 Mar-Apr; 4(2):81-90 (130 ref.)

Strategies for linkage studies in schizophrenia. Mellon CD, et al. **Schizophr Res** 1989 May-Jun;2(3):277-85 (70 ref.)

Neuroimaging studies of schizophrenia. Pfefferbaum A, et al. **Schizophr Res** 1991 Mar-Apr;4(2):193-208 (80 ref.)

Variable expression in the functional psychoses. A comparison with Huntington's disease. Ridley RM, et al. **Schizophr Res** 1990 May-Jun;3(3):201-10 (95 ref.)

The genetics of schizophrenia. Current knowledge and future directions. Tsuang MT, et al. **Schizophr Res** 1991 Mar-Apr; 4(2):157-71 (35 ref.)

Dopamine and norepinephrine activity in schizophrenia. An integrative perspective. van Kammen DP, et al. **Schizophr Res** 1991 Mar-Apr;4(2):173-91 (110 ref.)

The positive/negative symptom distinction in schizophrenia. Validity and etiological relevance. Walker E, et al. **Schizophr Res** 1988 Sep-Oct;1(5):315-28 (77 ref.)

Schizophrenia, just the facts. What do we know, how well do we know it? Wyatt RJ, et al. **Schizophr Res** 1988 Jan-Feb;1(1):3-18 (105 ref.)

Cost-effectiveness studies in the treatment of schizophrenia: a review. Goldberg D. **Soc Psychiatry Psychiatr Epidemiol** 1991 May;26(3):139-42 (23 ref.)

[Predictors of the course of schizophrenia--a review of the literature] Hubschmid T, et al. **Fortschr Neurol Psychiatr** 1990 Oct;58(10):359-66 (90 ref.) (Eng. Abstr.) **(Ger)**

[Negative schizophrenic symptoms and their detection] Kukla F, et al. **Fortschr Neurol Psychiatr** 1991 Feb; 59(2):60-6 (37 ref.) (Eng. Abstr.) **(Ger)**

[Significance of the mental representation problem (mimesis) in schizophrenic delusions] Feldmann H. **Nervenarzt** 1991 Jan;62(1):27-31 (40 ref.) **(Ger)**

[Schizophrenic residual syndrome. Empirical problem and clinico-integrative approach to understanding the psychopathology] Kick H. **Nervenarzt** 1991 Jan;62(1):32-40 (70 ref.) **(Ger)**

[Therapeutic treatment with neuroleptics. II: Subjective mechanisms of effect, compliance and consequences for treatment strategy] Krausz M, et al. **Psychiatr Prax** 1991 Jan;18(1):14-20 (75 ref.) (Eng. Abstr.) **(Ger)**

[Therapeutic treatment with neuroleptics. I: State of research on mechanisms of action, effectiveness and compliance in treatment of psychoses] Krausz M, et al. **Psychiatr Prax** 1991 Jan;18(1):9-13 (54 ref.) (Eng. Abstr.) **(Ger)**

[Origin of problematic constellations in psychiatric family care. Theoretical considerations and presentation of the course of a discontinued family care episode] Schmidt-Michel PO, et al. **Psychother Psychosom Med Psychol** 1991 Jun;41(6):224-31 (30 ref.) (Eng. Abstr.) **(Ger)**

[Disorders of pain perception in schizophrenia] Jakubaschk J, et al. **Schweiz Arch Neurol Psychiatr** 1991;142(1):55-76 (50 ref.) (Eng. Abstr.) **(Ger)**

[Schizophrenic patients and the emotional climate in the family. Causes, consequences and treatment of intensely expressed emotions of close relatives] Malt UF, et al. **Tidsskr Nor Laegeforen** 1990 Nov 30;110(29):3720-4 (43 ref.) (Eng. Abstr.) **(Nor)**

SCHIZOPHRENIFORM DISORDERS see **PSYCHOTIC DISORDERS**

SCHIZOSACCHAROMYCES

GENETICS

Yeast as a model system for understanding the control of DNA replication in Eukaryotes. Bartlett R, et al. **Bioessays** 1990 Oct;12(10):457–63 (53 ref.)
Regulation of fission yeast mating-type interconversion by chromosome imprinting. Klar AJ. **Dev Suppl** 1990;:3–8 (27 ref.)
Regulation of meiosis in Schizosaccharomyces pombe. Yamamoto M. **Microbiol Sci** 1986 Aug;3(8):234–7 (31 ref.)
Sexual differentiation in fission yeast. Egel R, et al. **Trends Genet** 1990 Nov;6(11):369–73 (33 ref.)

ULTRASTRUCTURE

Centromere structure and function in budding and fission yeasts [published erratum appears in New Biol 1990 Mar;2(3):preceding 207] Carbon J, et al. **New Biol** 1990 Jan;2(1):10–9 (58 ref.)

SCHIZOTYPAL PERSONALITY DISORDER

DIAGNOSIS

Is Asperger's syndrome a useful diagnosis? [see comments] Cox AD. **Arch Dis Child** 1991 Feb;66(2):259–62 (30 ref.) Comment in: Arch Dis Child 1991 Feb;66(2):178–9.
Borderline and schizotypal disorders in children and adolescents. Meijer M, et al. **Br J Psychiatry** 1991 Feb; 158:205–12 (69 ref.)

PSYCHOLOGY

Sexually deviant behavior and schizotypy: a theoretical perspective with supportive data. Henderson MC, et al. **Psychiatr Q** 1990 Winter;61(4):273–84 (40 ref.)

SCHOENLEIN-HENOCH PURPURA see **PURPURA, SCHOENLEIN-HENOCH**

SCHOLARSHIPS see **FELLOWSHIPS AND SCHOLARSHIPS**

SCHOOL HEALTH SERVICES

[The school physician and his work?] Hardoff D, et al. **Harefuah** 1990 Oct;119(7–8):231–3 (17 ref.) **(Heb)**

ORGANIZATION & ADMINISTRATION

Restructured schools: challenges and opportunities for school health education. Cleary MJ. **J Sch Health** 1991 Apr; 61(4):172–5 (36 ref.)

SCHOOLS

The parent connection. Snodgrass DM. **Adolescence** 1991 Spring;26(101):83–7 (14 ref.)
Classify and control: genetic information in the schools. Nelkin D, et al. **Am J Law Med** 1991;17(1–2):51–73 (146 ref.)
The role of the pediatrician in abolishing corporal punishment in schools. Committee on School Health, American Academy of Pediatrics. Poole SR, et al. **Pediatrics** 1991 Jul;88(1):162–7 (41 ref.)
Nutrition education in Scottish schools. Lean ME. **Proc Nutr Soc** 1991 Mar;50(1):45–8 (11 ref.)
Becoming a high school coach: from playing sports to coaching. Sage GH. **Res Q Exerc Sport** 1989 Mar; 60(1):81–92 (60 ref.)
[Hepatitis B virus in schools; a risk?] Versteegh FG, et al. **Ned Tijdschr Geneeskd** 1991 Mar 23;135(12):508–11 (41 ref.) **(Dut)**
[Differentiated educational programs on AIDS prevention at the U.S. schools (review)] Sokhin AA. **Sov Zdravookhr** 1990;(10):58–64 (30 ref.) **(Rus)**

LEGISLATION & JURISPRUDENCE

Role of the school in serving children with learning disabilities. Telzrow CF. **Semin Neurol** 1991 Mar;11(1):50–6 (33 ref.)

SCHWALBE'S NUCLEUS see **VESTIBULAR NUCLEI**

SCHWANN CELLS

CYTOLOGY

Schwann cell precursors and their development. Jessen KR, et al. **GLIA** 1991;4(2):185–94 (73 ref.)
Glial cell lineages in the neural crest. Le Douarin N, et al. **GLIA** 1991;4(2):175–84 (47 ref.)

METABOLISM

Posttranslational degradation of the major myelin glycoprotein by Schwann cells in vivo and in vitro. Brunden KR, et al. **Ann N Y Acad Sci** 1990;605:230–9 (34 ref.)
Metabolic organization of the myelinating Schwann cell. Gould RM. **Ann N Y Acad Sci** 1990;605:44–54 (32 ref.)

PATHOLOGY

Modeling Schwann cell diseases in transgenic mice. Messing A. **Ann N Y Acad Sci** 1990;605:325–31 (48 ref.)

PHYSIOLOGY

Studies of the initiation of myelination by Schwann cells. Wood P, et al. **Ann N Y Acad Sci** 1990;605:1–14 (17 ref.)

SCHWANNOMA, ACOUSTIC see **NEUROMA, ACOUSTIC**

SCHWARTZ-BARTTER SYNDROME see **INAPPROPRIATE ADH SYNDROME**

SCHWARTZ-JAMPEL SYNDROME see **OSTEOCHONDRODYSPLASIAS**

SCIATIC NERVE

A benign tumor of the sciatic nerve: case report and review of the literature. Dubuisson A, et al. **Acta Neurol Belg** 1991; 91(1):5–11 (20 ref.)
The appearance of the piriformis muscle syndrome in computed tomography and magnetic resonance imaging. A case report and review of the literature. Jankiewicz JJ, et al. **Clin Orthop** 1991 Jan;(262):205–9 (24 ref.)

PHYSIOLOGY

Differential effects of various electrical parameters on peripheral and central nerve regeneration. Zanakis MF. **Acupunct Electrother Res** 1990;15(3–4):185–91 (21 ref.)

SCIATICA

DRUG THERAPY

Intradiscal injection of triamcinolone hexacetonide for acute, subacute, and chronic sciatica. Results at 3 months an open-prospectus study of 30 cases and review of the literature. Bertin P, et al. **Clin Rheumatol** 1990 Sep; 9(3):362–6 (14 ref.)

EPIDEMIOLOGY

[Epidemiology of pain in the lower segment of the spine (review of foreign literature)] Toroptsova NV. **Klin Med (Mosk)** 1991 Jan;69(1):26–31 (40 ref.) **(Rus)**

ETIOLOGY

Radiologic case study. Intraspinal lumbar synovial cyst. Budris DM. **Orthopedics** 1991 May;14(5):613, 618–20 (18 ref.)
[Chronic sciatalgia caused by sensitive deafferentiation following surgery for lumbar disk hernia: clinical and therapeutic aspects. Apropos of 110 patients] Blond S, et al. **Neurochirurgie** 1991;37(2):86–95 (48 ref.) (Eng. Abstr.) **(Fre)**
[The role of episacroiliac lipomas as a cause of pseudolumbago-sciatica syndromes] Rosati E, et al. **Arch Putti Chir Organi Mov** 1990;38(2):339–47 (12 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Pathophysiology of sciatica. Olmarker K, et al. **Orthop Clin North Am** 1991 Apr;22(2):223–34 (99 ref.)

SURGERY

Prevention of complications in surgical management of back pain and sciatica. Carlson G, et al. **Orthop Clin North Am** 1991 Apr;22(2):345–51 (39 ref.)

SCIENCE

1990 Atwater lecture. The science and the practice of nutrition: reflections and directions. Harper AE. **Am J Clin Nutr** 1991 Feb;53(2):413–20 (52 ref.)
The evolution of a science advisory body in the federal government. Cassman M. **Perspect Biol Med** 1991 Spring; 34(3):439–62 (28 ref.)
[Psychoanalysis and science-theoretical critique—new aspects of an old controversy] Kurthen M, et al. **Psychother Psychosom Med Psychol** 1991 Mar-Apr; 41(3–4):147–53 (25 ref.) (Eng. Abstr.) **(Ger)**

HISTORY

This and that: the fire of Galileo's imagination (Giordano Bruno) and putting teeth into toxicology. Max B. **Trends Pharmacol Sci** 1991 Mar;12(3):89–93 (37 ref.)
[The outlook for evolutionary physiology (from the viewpoint of the historian of science)] Mirzoian EN. **Zh Evol Biokhim Fiziol** 1990 Jul-Aug;26(4):433–40 (48 ref.) **(Rus)**

SCINTIGRAPHY see **RADIONUCLIDE IMAGING**

SCINTIGRAPHY, COMPUTED TOMOGRAPHIC see **TOMOGRAPHY, EMISSION-COMPUTED**

SCINTIGRAPHY, EQUILIBRIUM see **GATED BLOOD-POOL IMAGING**

SCINTILLATION CAMERAS see **GAMMA CAMERAS**

SCINTILLATION COUNTING

see related
GAMMA CAMERAS

SCINTIPHOTOGRAPHY see **RADIONUCLIDE IMAGING**

SCLERA

PATHOLOGY

[Posterior scleral ectasis] Yesou C, et al. **Bull Soc Ophtalmol Fr** 1990 Mar;90(3):349–52 (12 ref.) **(Fre)**

PHYSIOPATHOLOGY

Retinal influences on sclera underlie visual deprivation myopia. Wallman J. **Ciba Found Symp** 1990;155:126–34; discussion 135–41 (31 ref.)

SCLERAL BUCKLING

The rationale for cryotherapy with a prophylactic scleral buckle for Zone I threshold retinopathy of prematurity. Mintz-Hittner HA, et al. **Doc Ophthalmol** 1990 Mar; 74(3):263–8 (10 ref.)
The repair of rhegmatogenous retinal detachments. American Academy of Ophthalmology. **Ophthalmology** 1990 Nov; 97(11):1562–72 (69 ref.)

SCLERITIS

ETIOLOGY

Systemic associations of scleritis. Hakin KN, et al. **Int Ophthalmol Clin** 1991 Summer;31(3):111–29 (65 ref.)
[Episcleritis, scleritis and systemic diseases] Lê Thi Huong Du, et al. **Ann Med Interne (Paris)** 1991;142(1):25–30 (44 ref.) **(Fre)**

SCLERODERMA, CIRCUMSCRIBED

Localized scleroderma. Schachter RK. **Curr Opin Rheumatol** 1989 Dec;1(4):505–11 (17 ref.)

BLOOD

[Anti-Borrelia burgdorferi antibodies in chronic erythema migrans, benign lymphadenosis cutis, scleroderma and scleroatrophic lichen] Afa G, et al. **G Ital Dermatol Venereol** 1990 Sep;125(9):369–73 (48 ref.) (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Systemic sclerosis associated with cutaneous exposure to solvent: case report and review of the literature. Brasington RD Jr, et al. **Arthritis Rheum** 1991 May;34(5):631–3 (15 ref.)

PHYSIOPATHOLOGY

The mast cell in fibrosis. Rothe MJ, et al. **Int J Dermatol** 1991 Jan;30(1):13–6 (56 ref.)

SCLERODERMA, SYSTEMIC

Systemic sclerosis and pregnancy. Black CM. **Baillieres Clin Rheumatol** 1990 Apr;4(1):105–24 (79 ref.)
Scleroderma esophagus. Fulp SR, et al. **Dysphagia** 1990; 5(4):204–10 (52 ref.)
Murine models of graft-versus-host disease with features of scleroderma. Charley MR, et al. **Immunol Ser** 1989; 46:625–40 (20 ref.)
Mast cells in murine graft-versus-host disease: a model of immunologically induced fibrosis. Choi KL, et al. **Immunol Ser** 1989;46:641–51 (39 ref.)
Collagen vascular diseases of childhood. Jones EM, et al. **Pediatr Clin North Am** 1991 Aug;38(4):1019–39 (82 ref.)
Systemic sclerosis. Steen VD. **Rheum Dis Clin North Am** 1990 Aug;16(3):641–54 (72 ref.)
[Systemic scleroderma in children. Apropos of 2 cases] Zahaf A, et al. **Ann Pediatr (Paris)** 1991 Feb;38(2):99–101 (6 ref.) (Eng. Abstr.) **(Fre)**

BLOOD

[Anti-Borrelia burgdorferi antibodies in chronic erythema migrans, benign lymphadenosis cutis, scleroderma and scleroatrophic lichen] Afa G, et al. **G Ital Dermatol Venereol** 1990 Sep;125(9):369–73 (48 ref.) (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Drug-induced scleroderma. Bourgeois P, et al. **Baillieres Clin Rheumatol** 1991 Apr;5(1):13–20 (31 ref.)
[Dental prosthesis technician, a subject with risk of Erasmus syndrome. Apropos of a case] Caux F, et al. **Ann Dermatol Venereol** 1991;118(4):301–4 (20 ref.) **(Fre)**

COMPLICATIONS

Klinefelter's syndrome associated with progressive systemic sclerosis: report of a case and review of the literature. Kobayashi S, et al. **Clin Rheumatol** 1991 Mar;10(1):84–6 (16 ref.)
Sentinel signs and symptoms of systemic sclerosis. LeRoy EC. **Curr Opin Rheumatol** 1989 Dec;1(4):499–504 (34 ref.)
[Acquired paraneoplastic hypertrichosis lanuginosa associated with scleroderma] Valda Rodriguez L, et al. **Ann Dermatol Venereol** 1990;117(9):605–10 (15 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[New knowledge on the diagnosis and prognosis of interstitial lung disease in scleroderma] König G, et al. **Z Rheumatol** 1990 Sep–Oct;49(5):279–83 (17 ref.) (Eng. Abstr.) **(Ger)**
[The inverted form of Buschke's scleroderma] Il'in II, et al. **Ter Arkh** 1991;63(5):147–50 (12 ref.) **(Rus)**

DRUG THERAPY

Systemic sclerosis: is there a treatment yet? Black CM. **Ann Rheum Dis** 1990 Sep;49(9):735–7 (30 ref.)
Current options for the treatment of systemic scleroderma. McGee BA, et al. **Clin Pharm** 1991 Jan;10(1):14–25 (72 ref.)
Effects of immunomodulating therapy in systemic sclerosis. van den Hoogen FH, et al. **Clin Rheumatol** 1990 Sep; 9(3):319–24 (32 ref.)
Treatment of systemic sclerosis. Medsger TA Jr. **Curr Opin Rheumatol** 1989 Dec;1(4):512–5 (32 ref.)
Treatment of systemic sclerosis. Medsger TA Jr. **Curr Opin Rheumatol** 1990 Dec;2(6):956–9 (30 ref.)
A pathogenetic approach to the management of systemic sclerosis (scleroderma). Ghersetich I, et al. **Int J Dermatol** 1990 Nov;29(9):616–22 (86 ref.)
Penicillamine types in the sclerodermas. Tio TH. **Proc R Soc Med** 1977;70 Suppl 3:78–9 (8 ref.)

EPIDEMIOLOGY

Medical and surgical conditions predisposing to gastroesophageal reflux disease. Day JP, et al. **Gastroenterol Clin North Am** 1990 Sep;19(3):587–607 (91 ref.)

ETIOLOGY

The pathogenesis of scleroderma (systemic sclerosis, SSc). LeRoy EC, et al. **Clin Exp Rheumatol** 1991 Mar–Apr; 9(2):173–7 (24 ref.)
A possible role for transforming growth factor-beta in systemic sclerosis. Smith EA, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):125S–127S (39 ref.)
[Pathogenesis of systemic scleroderma—new evidence] Rudnicka L, et al. **Przegl Dermatol** 1990 Nov–Dec; 77(6):417–21 (20 ref.) **(Pol)**

GENETICS

Genetic and environmental factors in scleroderma. Briggs DC, et al. **Curr Opin Rheumatol** 1989 Dec;1(4):475–8 (11 ref.)
Genetic and environmental factors in scleroderma. Welsh KI, et al. **Curr Opin Rheumatol** 1990 Dec;2(6):920–1 (5 ref.)

IMMUNOLOGY

Immunologic aspects of scleroderma. Korn JH. **Curr Opin Rheumatol** 1989 Dec;1(4):479–84 (20 ref.)
Immunologic aspects of scleroderma. Korn JH. **Curr Opin Rheumatol** 1990 Dec;2(6):922–8 (19 ref.)
Childhood scleromyositis: an overlap syndrome associated with PM-Scl antibody. Błaszczyk M, et al. **Pediatr Dermatol** 1991 Mar;8(1):1–8 (10 ref.)

METABOLISM

Connective tissue metabolism including cytokines. Amento EP. **Curr Opin Rheumatol** 1989 Dec;1(4):485–9 (9 ref.)

MORTALITY

Scleroderma and survival. Silman AJ. **Ann Rheum Dis** 1991 Apr;50(4):267–9 (30 ref.)

PATHOLOGY

Graft-versus-host disease and animal models for scleroderma. Claman HN. **Curr Opin Rheumatol** 1990 Dec; 2(6):929–31 (5 ref.)
Sentinel signs and symptoms of systemic sclerosis. LeRoy EC. **Curr Opin Rheumatol** 1990 Dec;2(6):942–6 (23 ref.)
Localized scleroderma. Schachter RK. **Curr Opin Rheumatol** 1990 Dec;2(6):947–55 (36 ref.)
Is there a link between dendrocytes, fibrosis and sclerosis? Piérard GE, et al. **Dermatologica** 1990;181(4):264–5 (16 ref.)
Cytokines and human fibrosis. LeRoy EC, et al. **Eur Cytokine Netw** 1990 Oct–Nov;1(4):215–9 (17 ref.)
Immunological modulation of dermal fibroblasts in scleroderma. Perlish JS, et al. **Immunol Ser** 1989;46:605–24 (78 ref.)

PHYSIOPATHOLOGY

The mast cell in fibrosis. Rothe MJ, et al. **Int J Dermatol** 1991 Jan;30(1):13–6 (56 ref.)
[Changes in upper gastrointestinal motility during scleroderma] Bassotti G, et al. **Medicina (Firenze)** 1990 Jul–Sep;10(3):251–5 (65 ref.) (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Large arteries involvement in scleroderma--a case report. Alušík S, et al. **Angiology** 1990 Nov;41(11):973–6 (7 ref.)

SCLEROSING SOLUTIONS

ADVERSE EFFECTS

Pleuropulmonary complications of endoscopic variceal sclerotherapy. Edling JE, et al. **Chest** 1991 May; 99(5):1252–7 (58 ref.)

THERAPEUTIC USE

Injection therapy for the control of bleeding ulcers. Sugawa C. **Gastrointest Endosc** 1990 Sep–Oct;36(5 Suppl):S50–2 (11 ref.)

SCLEROSIS, DISSEMINATED see **MULTIPLE SCLEROSIS**

SCLEROSIS, PRESENILE see **DEMENTIA, PRESENILE**

SCLEROSIS, PROGRESSIVE SYSTEMIC see **SCLERODERMA, SYSTEMIC**

SCLEROTHERAPY

Injection therapy for the control of bleeding ulcers. Sugawa C. **Gastrointest Endosc** 1990 Sep–Oct;36(5 Suppl):S50–2 (11 ref.)
Conservative and semi-invasive modalities for treating bleeding esophageal varices. Paquet KJ, et al. **Hepatogastroenterology** 1990 Dec;37(6):561–4 (44 ref.)
Varicoceles. Radiologic diagnosis and treatment. Demas BE, et al. **Radiol Clin North Am** 1991 May;29(3):619–27 (48 ref.)
Taking the tension out of the portal system. An approach to the management of portal hypertension in the 1990s. Mac Mathuna P, et al. **Scand J Gastroenterol Suppl** 1990; 175:131–45 (126 ref.)
[Sclerotization as a proven method of treatment for varices] Horáková-Nedvídková M. **Vnitr Lek** 1991 Feb; 37(2):178–85 (30 ref.) (Eng. Abstr.) **(Cze)**
[Experimental surgical model of hydrocele for the use of sclerotherapy] Castillo Jimeno JM, et al. **Arch Esp Urol** 1990 Oct;43(8):819–28 (27 ref.) (Eng. Abstr.) **(Spa)**
[Mallory-Weiss syndrome. Surgical treatment after sclerotherapy. Presentation of a case and review of the literature] Eslava García R, et al. **Rev Gastroenterol Mex** 1990 Apr–Jun;55(2):75–7 (14 ref.) (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Cardiorespiratory effects of endoscopic esophageal variceal sclerotherapy. Baydur A, et al. **Am J Med** 1990 Oct; 89(4):477–82 (43 ref.)
Pleuropulmonary complications of endoscopic variceal sclerotherapy. Edling JE, et al. **Chest** 1991 May; 99(5):1252–7 (58 ref.)
Fatal pancreatitis secondary to iatrogenic intramural duodenal hematoma: a case report and review of the literature. Sadry F, et al. **Gastrointest Radiol** 1990 Fall; 15(4):296–8 (14 ref.)
[Chylothorax: clinical case report and literature review] Pieron M, et al. **Rev Med Liege** 1991 Feb;46(2):82–7 (17 ref.) **(Fre)**
[Iatrogenic damage in sclerotherapy of varicose veins] Hohlbaum GG. **Z Lymphol** 1990 Aug;14(1):32–5 (0 ref.) **(Ger)**

METHODS

Small vessel sclerotherapy: an overview. Duffy DM. **Adv Dermatol** 1988;3:221–42 (21 ref.)
Percutaneous therapy for hepatic cysts. Case report and review of literature. Buckenham TM, et al. **Australas Radiol** 1990 May;34(2):159–61 (7 ref.)
Variceal injection sclerotherapy. Sauerbruch T, et al. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):131–53 (134 ref.)
[Indications for and efficacy of endoscopic sclerosing treatment of esophageal varices in liver cirrhosis] Kaufmann T, et al. **Med Klin** 1990 Oct 15;85(10):602–7 (56 ref.) **(Ger)**

SCOLIOSIS

COMPLICATIONS

[Scoliosis in adults (review of the literature. I] Fishchenko VIa, et al. **Ortop Travmatol Protez** 1990 Aug;(8):70–8 (99 ref.) **(Rus)**

DIAGNOSIS

[A case of choledochal cyst simulating kyphoscoliosis] Rákóczy G, et al. **Orv Hetil** 1991 Mar 3;132(9):479–81 (31 ref.) (Eng. Abstr.) **(Hun)**

ETIOLOGY

Scoliosis. Levine DB. **Curr Opin Rheumatol** 1990 Feb; 2(1):190–5 (10 ref.)
Adolescent idiopathic scoliosis. Bleck EE. **Dev Med Child Neurol** 1991 Feb;33(2):167–73 (80 ref.)

NURSING

Nursing management of the adolescent with idiopathic scoliosis. Brosnan H. **Nurs Clin North Am** 1991 Mar; 26(1):17–31 (18 ref.)

PATHOLOGY

Anatomy of the extrinsic spinal muscles related to the deformities of scoliosis. Nudelman W, et al. **Acta Anat (Basel)** 1990;139(3):220–5 (17 ref.)

SURGERY

A perspective on recent trends for scoliosis correction. Drummond DS. **Clin Orthop** 1991 Mar;(264):90–102 (30 ref.)
Application technique of Cotrel-Dubousset instrumentation for scoliosis deformities. Dubousset J, et al. **Clin Orthop** 1991 Mar;(264):103–10 (4 ref.)

THERAPY

Reduction of lumbar scoliosis by use of a heel lift to level the sacral base. Irvin RE. **J Am Osteopath Assoc** 1991 Jan; 91(1):34, 37–44 (31 ref.)
[The natural history of scoliosis] Giehl JP, et al. **Beitr Orthop Traumatol** 1990 Jul;37(7):363–73 (31 ref.) (Eng. Abstr.) **(Ger)**

SCORBUTUS see **SCURVY**

SCORPION VENOMS

[Scorpion sting (Euscorpius, sp.) in Italy and review of scorpionism] Torregiani F, et al. **Minerva Med** 1990 Jul–Aug;81(7–8 Suppl):137–45 (140 ref.) (Eng. Abstr.) **(Ita)**

SCOTOMA

ETIOLOGY

The anatomical basis of the caecocentral scotoma. New observations and a review. Plant GT, et al. **Brain** 1990 Oct;113 (Pt 5):1441–57 (60 ref.)

SCRAPIE

GENETICS

Genetics of prion infections. Carlson GA, et al. **Trends Genet** 1991 Feb;7(2):61–5 (41 ref.)

MICROBIOLOGY

The search for scrapie agent nucleic acid. Aiken JM, et al. **Microbiol Rev** 1990 Sep;54(3):242–6 (69 ref.)
[The biology of prions, a response to the enigma of spongiform encephalopathies of sheep and humans] Cambier J. **Bull Acad Natl Med** 1990 Dec;174(9):1353–7; discussion 1357–9 (11 ref.) (Eng. Abstr.) **(Fre)**
[Scrapie, still always a puzzling infection] Becht H. **Tierarztl Prax** 1991 Feb;19(1):48–51 (24 ref.) (Eng. Abstr.) **(Ger)**
[Recent advances in the transmissible spongiform encephalopathy research—with special reference to scrapie] Shinagawa M. **Uirusu** 1990 Dec;40(2):67–79 (112 ref.) **(Jpn)**

PREVENTION & CONTROL

Inactivation of the unconventional agents of scrapie, bovine spongiform encephalopathy and Creutzfeldt-Jakob disease. Taylor DM. **J Hosp Infect** 1991 Jun;18 Suppl A:141–6 (51 ref.)

SCRAPIE AGENT

Scrapie and Creutzfeldt-Jakob disease prions. Prusiner SB, et al. **Microbiol Sci** 1985;2(2):33–9 (54 ref.)

GENETICS

Genetics of response to slow virus (prion) infection. Kingsbury DT. **Annu Rev Genet** 1990;24:115–32 (67 ref.)
The search for scrapie agent nucleic acid. Aiken JM, et al. **Microbiol Rev** 1990 Sep;54(3):242–6 (69 ref.)
Molecular biology of prion diseases. Prusiner SB. **Science** 1991 Jun 14;252(5012):1515–22 (83 ref.)
The scrapie agent and the prion hypothesis. Brunori M, et al. **Trends Biochem Sci** 1988 Aug;13(8):309–13 (54 ref.)
Genetics of prion infections. Carlson GA, et al. **Trends Genet** 1991 Feb;7(2):61–5 (41 ref.)

ISOLATION & PURIFICATION

[Scrapie, still always a puzzling infection] Becht H.

Tierarztl Prax 1991 Feb;19(1):48–51 (24 ref.) (Eng. Abstr.) **(Ger)**

SCRAPIE-ASSOCIATED FIBRILS see **SCRAPIE AGENT**

SCRAPIE PRION see **SCRAPIE AGENT**

SCRAPIE VIRUS see **SCRAPIE AGENT**

SCREEN-FILM SYSTEMS, X-RAY see **X-RAY INTENSIFYING SCREENS**

SCROFULA see **TUBERCULOSIS, LYMPH NODE**

SCROTUM

Scrotal thermography in varicocele. Comhaire F. **Adv Exp Med Biol** 1991;286:267–70 (12 ref.)

Deep body intrascrotal thermometer: theory and methodology. Takihara H, et al. **Adv Exp Med Biol** 1991; 286:115–9 (7 ref.)

Genital edema in children on continuous ambulatory peritoneal dialysis. Robson WL, et al. **Child Nephrol Urol** 1990;10(4):205–10 (26 ref.)

Primary malignant melanoma of the scrotum: case report and literature review. Davis NS, et al. **J Urol** 1991 May; 145(5):1056–7 (15 ref.)

[Leiomyosarcoma of the scrotum] Chevalier C, et al. **Acta Urol Belg** 1990;58(2):149–52 (10 ref.) (Eng. Abstr.) **(Fre)**

[Intrascrotal nongerminal space-occupying lesions] Vahlensieck W Jr. **Fortschr Med** 1990 Oct 20;108(30):572–6 (20 ref.) (Eng. Abstr.) **(Ger)**

[Intrascrotal leiomyoma: report of a case] Naka Y, et al. **Hinyokika Kiyo** 1991 May;37(5):553–5 (15 ref.) (Eng. Abstr.) **(Jpn)**

[A case of paratesticular rhabdomyosarcoma] Nishida A, et al. **Hinyokika Kiyo** 1990 Sep;36(9):1089–92 (9 ref.) (Eng. Abstr.) **(Jpn)**

[Malignant fibrous histiocytoma of the scrotal wall. Presentation of a case and review of the literature] Urruchi Fernández P, et al. **Actas Urol Esp** 1990 Sep–Oct; 14(5):358–61 (20 ref.) (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Accessory perineal scrotum associated with anorectal malformation. A report of 2 cases. Ferro F, et al. **S Afr J Surg** 1991 Mar;29(1):32–4 (20 ref.)

[Congenital perineal lipoma with accessory scrotum: a case report] Morita T, et al. **Hinyokika Kiyo** 1991 Jun; 37(6):647–9 (8 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Magnetic resonance imaging of the scrotum. Mattrey RF. **Semin Ultrasound CT MR** 1991 Apr;12(2):95–108 (18 ref.)

Acute diseases of the scrotum. Tumeh SS, et al. **Semin Ultrasound CT MR** 1991 Apr;12(2):115–30 (27 ref.)

PHYSIOLOGY

Theoretical and practical considerations in scrotal temperature measurement. Sealfon AI. **Adv Exp Med Biol** 1991;286:99–110 (16 ref.)

Thermoregulation of the scrotum and testis: studies in animals and significance for man. Waites GM. **Adv Exp Med Biol** 1991;286:9–17 (19 ref.)

Non-invasive scrotal thermometry. Zorgniotti AW. **Adv Exp Med Biol** 1991;286:111–4 (9 ref.)

PHYSIOPATHOLOGY

Scrotal hyperthermia; etiologic factors: facts and hypotheses. Mieusset R. **Adv Exp Med Biol** 1991;286:211–6 (27 ref.)

SURGERY

Gracilis myocutaneous flap for the coverage of an extensive scrotoperineal defect and protection of the ruptured urethra and testes. Lee YT, et al. **Yonsei Med J** 1990 Jun; 31(2):187–91 (19 ref.)

ULTRASONOGRAPHY

Scrotal sonography in infants and children. McAlister WH, et al. **Curr Probl Diagn Radiol** 1990 Nov–Dec;19(6):201–42 (80 ref.)

Ultrasound of the nonacute scrotum. Doherty FJ. **Semin Ultrasound CT MR** 1991 Apr;12(2):131–56 (50 ref.)

Color Doppler sonography of the scrotum. Ralls PW, et al. **Semin Ultrasound CT MR** 1991 Apr;12(2):109–14 (10 ref.)

SCURVY

[The second anti-scurvy factor] Gazave JM. **J Physiol Suppl (Paris)** 1966;14:1–128 (196 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

[Molecular genetic study on the incapability of synthesising ascorbic acid in scurvy-prone animals] Nishikimi M, et al. **Tanpakushitsu Kakusan Koso** 1990 Dec;35(16):2866–73 (31 ref.) **(Jpn)**

SEA LION SPUMAVIRUS see **SPUMAVIRINAE**

SEA LIONS see **SEALS**

SEA URCHINS

EMBRYOLOGY

Cell type specification during sea urchin development. Cameron RA, et al. **Trends Genet** 1991 Jul;7(7):212–8 (46 ref.)

GENETICS

In-vivo and in-vitro evidence supporting co-regulation of translation in sea-urchin eggs by polypeptide initiation factors, pH optimization, and mRNAs. Hille MB, et al. **J Reprod Fertil Suppl** 1990;42:235–48 (81 ref.)

A sea urchin gene containing multiple EGF repeats is similar to vertebrate EGF-containing genes. Raff RA. **Mol Reprod Dev** 1990 Sep;27(1):66–72 (0 ref.)

METABOLISM

Molecular mechanisms of sea-urchin sperm activation before fertilization. Shapiro BM, et al. **J Reprod Fertil Suppl** 1990; 42:3–8 (39 ref.)

Cell cycle control proteins are second messenger targets at fertilization in sea-urchin eggs. Whitaker MJ. **J Reprod Fertil Suppl** 1990;42:199–204 (49 ref.)

PHYSIOLOGY

The fate of sperm specific non-histone chromosomal proteins after fertilization in sea urchins. Imschenetzky M, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):241–5 (21 ref.)

The sea urchin spermatozoon. Brokaw CJ. **Bioessays** 1990 Sep;12(9):449–52 (32 ref.)

Excitation, activation and sperm entry in voltage-clamped sea-urchin eggs. Chambers EL, et al. **J Reprod Fertil Suppl** 1990;42:117–32 (33 ref.)

Intracellular free calcium and the first cell cycle of the sea-urchin embryo (Lytechinus pictus). Steinhardt RA. **J Reprod Fertil Suppl** 1990;42:191–7 (24 ref.)

Second messengers at fertilization in sea-urchin eggs. Swann K, et al. **J Reprod Fertil Suppl** 1990;42:141–53 (85 ref.)

SEALANTS, TOOTH see **PIT AND FISSURE SEALANTS**

SEALED CABIN ECOLOGY

[Genetic aspects of man's adaptation to long-term space flight] Delone NL, et al. **Kosm Biol Aviakosm Med** 1991 Mar–Apr;25(2):10–5 (50 ref.) (Eng. Abstr.) **(Rus)**

SEALS

A review of the 1988 European seal morbillivirus epizootic. Kennedy S. **Vet Rec** 1990 Dec 8;127(23):563–7 (36 ref.)

SEASICKNESS see **MOTION SICKNESS**

SEASONS

Seasonal patterns of births and conception throughout the world. Becker S. **Adv Exp Med Biol** 1991;286:59–72 (72 ref.)

Temperature and the seasonality of births. Lam DA, et al. **Adv Exp Med Biol** 1991;286:73–88 (44 ref.)

Seasonal indoor radon variations related to precipitation. Mose DG, et al. **Environ Mol Mutagen** 1991;17(4):223–30 (40 ref.)

Preseason cardiovascular examination: a review. Hergenroeder AC, et al. **J Adolesc Health Care** 1990 Sep; 11(5):379–86 (60 ref.)

Seasonal affective disorder and the yoga paradigm: a reconsideration of the role of the pineal gland. Leskowitz E. **Med Hypotheses** 1990 Nov;33(3):155–8 (22 ref.)

Seasonal affective disorders. Lahmeyer HW. **Psychiatr Med** 1991;9(1):105–14 (44 ref.)

[Survey on the seasonal changes in the birth of patients with schizophrenia] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1990 Oct;148(8):698–708 (52 ref.) **(Fre)**

SEAT BELTS

Safety belts and public health. The role of medical practitioners. Kizer KW, et al. **West J Med** 1991 Mar; 154(3):303–6 (19 ref.)

[The pregnant woman, car accidents and the seat belt] Fisher M. **Harefuah** 1990 Oct;119(7–8):219–20 (34 ref.) **(Heb)**

LEGISLATION & JURISPRUDENCE

[Safety of children in cars. Safety systems, their use and misuse possibilities] Madsen LP. **Ugeskr Laeger** 1991 Apr 8;153(15):1037–40 (30 ref.) (Eng. Abstr.) **(Dan)**

SEAWATER

Deep water parasites. Campbell RA. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:65–8 (38 ref.)

Perspectives in aquatic toxicology. Malins DC, et al. **Annu Rev Pharmacol Toxicol** 1991;31:371–99 (167 ref.)

Marine parasites: an Australian perspective. Rohde K. **Int J Parasitol** 1990 Jul;20(4):565–75 (150 ref.)

SEAWEED

see related
CARRAGEENAN

SEBACEOUS CYST see **EPIDERMAL CYST**

SEBACEOUS GLAND NEOPLASMS

Sebaceous and meibomian carcinomas of the eyelid. Recognition, diagnosis, and management. Khan JA, et al. **Ophthal Plast Reconstr Surg** 1991;7(1):61–6 (47 ref.)

Muir-Torre syndrome: a case report. Bisceglia M, et al. **Tumori** 1991 Jun 30;77(3):277–81 (38 ref.)

COMPLICATIONS

Association of sebaceous gland tumors and internal malignancy: the Muir-Torre syndrome. Cohen PR, et al. **Am J Med** 1991 May;90(5):606–13 (68 ref.)

DIAGNOSIS

Sebaceous carcinoma of the eyelid: pitfalls in diagnosis. Yeatts RP, et al. **Ophthal Plast Reconstr Surg** 1985; 1(1):35–42 (20 ref.)

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the auditory sebaceous glands. Pliss GB. **IARC Sci Publ** 1990;(99):37–46 (33 ref.)

SEBACEOUS GLANDS

PHYSIOPATHOLOGY

Hirsutism: pilosebaceous unit dysregulation. Role of peripheral and glandular factors. Toscano V. **J Endocrinol Invest** 1991 Feb;14(2):153–70 (163 ref.)

SEBORRHEA

COMPLICATIONS

Seborrheic dermatitis and atopic eczema in human immunodeficiency virus infection. Fröschl M, et al. **Semin Dermatol** 1990 Sep;9(3):230–2 (19 ref.)

DRUG THERAPY

The control of seborrhoeic dermatitis and dandruff by antipityrosporal drugs. McGrath J, et al. **Drugs** 1991 Feb; 41(2):178–84 (62 ref.)

GENETICS

Cardio-facio cutaneous syndrome: neurological manifestations. Gross-Tsur V, et al. **Clin Genet** 1990 Nov; 38(5):382–6 (5 ref.)

MICROBIOLOGY

The role of Pityrosporum ovale in seborrheic dermatitis. Bergbrant IM, et al. **Semin Dermatol** 1990 Dec;9(4):262–8 (103 ref.)

PATHOLOGY

[Histologic aspects of seborrheic keratosis (published erratum appears in Med Cutan Ibero Lat Am 1990;18(4):287)] Pérez-Oliva N, et al. **Med Cutan Ibero Lat Am** 1990; 18(1):70–7 (30 ref.) (Eng. Abstr.) **(Spa)**

VETERINARY

The seborrheic disease complex. An approach to underlying causes and therapies. Shanley KJ. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1557–77 (35 ref.)

SECALE see **RYE**

SECOND MESSENGER SYSTEMS

Temporal aspects of calcium signalling. Berridge MJ. **Adv Second Messenger Phosphoprotein Res** 1990;24:108–14 (38 ref.)

New insights into cGMP action. Corbin JD, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:411–8 (24 ref.)

The mechanism of action of interleukin-1: a cytokine acting through glycosyl-phosphatidylinositol hydrolysis? Dobson PR, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:170–5 (19 ref.)

Properties of calcium release channels of the intracellular calcium store in muscle cells. Endo M, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:122–7 (21 ref.)

The regulation of excitability by second messengers and protein kinases in peptidergic neurons of Aplysia. Fisher TE, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:41–4 (13 ref.)

The adrenergic receptors. Lefkowitz RJ, et al.

Adv Second Messenger Phosphoprotein Res 1990;24:1-8 (16 ref.)

Role of Ca2+/calmodulin-dependent protein phosphorylation in signal transduction. Nairn AC. **Adv Second Messenger Phosphoprotein Res** 1990;24:202-5 (31 ref.)

Involvement of the gamma subtype of protein kinase C in GABA release from the cerebellum. Taniyama K, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:399-404 (43 ref.)

Communication between protein tyrosine and protein serine/threonine phosphorylation. Weiel JE, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:182-95 (85 ref.)

Inositol 1,3,4,5-tetrakisphosphate and regulation of intracellular calcium. Boynton AL, et al. **Biochem Pharmacol** 1990 Nov 1;40(9):1933-9 (14 ref.)

Is arachidonic acid a retrograde messenger in long-term potentiation? Lynch MA, et al. **Biochem Soc Trans** 1991 Apr;19(2):391-6 (36 ref.)

Cell signaling by second messenger waves. Meyer T. **Cell** 1991 Feb 22;64(4):675-8 (25 ref.)

Cyclic AMP second messenger systems. McKnight GS. **Curr Opin Cell Biol** 1991 Apr;3(2):213-7 (30 ref.)

Calcium as intracellular messenger: from simplicity to complexity. Rasmussen H, et al. **Curr Top Cell Regul** 1990; 31:1-109 (435 ref.)

Role of phospholipase in generating lipid second messengers in signal transduction. Dennis EA, et al. **FASEB J** 1991 Apr;5(7):2068-77 (51 ref.)

Second messengers derived from inositol lipids. Catt KJ, et al. **J Bioenerg Biomembr** 1991 Feb;23(1):7-27 (134 ref.)

Kinetic and molecular species analyses of mitogen-induced increases in diglycerides: evidence for stimulated hydrolysis of phosphoinositides and phosphatidylcholine. Raben DM, et al. **J Cell Biochem** 1990 Oct;44(2):117-25 (23 ref.)

The mechanical hypothesis of excitation-contraction (EC) coupling in skeletal muscle. Ríos E, et al. **J Muscle Res Cell Motil** 1991 Apr;12(2):127-35 (69 ref.)

Interactions between second messengers: cyclic AMP and phospholipase A2- and phospholipase C-metabolites. Di Marzo V, et al. **Life Sci** 1991;49(4):247-59 (85 ref.)

Glucose metabolism, second messengers and insulin secretion. Laychock SG. **Life Sci** 1990;47(25):2307-16 (20 ref.)

Second-messenger responses associated with stimulation of neuronal muscarinic receptors expressed by a human neuroblastoma SH-SY5Y. Lambert DG, et al. **Prog Brain Res** 1990;84:31-42 (66 ref.)

Receptors, phosphoinositol hydrolysis and plasticity of nerve cells. Pontzer NJ, et al. **Prog Brain Res** 1990;86:221-5 (20 ref.)

Receptor-effector coupling by G-proteins: implications for neuronal plasticity. Spiegel AM. **Prog Brain Res** 1990; 86:269-76 (40 ref.)

G-proteins and second messengers in mitogenesis. Milligan G, et al. **Prog Growth Factor Res** 1989;1(3):161-77 (86 ref.)

Nitric oxide as a neuronal messenger. Snyder SH, et al. **Trends Pharmacol Sci** 1991 Apr;12(4):125-8 (30 ref.)

DRUG EFFECTS

The use of diacylglycerol kinase inhibitors for elucidating the roles of protein kinase C. de Chaffoy de Courcelles D. **Adv Second Messenger Phosphoprotein Res** 1990; 24:491-6 (50 ref.)

Hormonal regulation of phosphatidylcholine breakdown. Exton JH. **Adv Second Messenger Phosphoprotein Res** 1990; 24:152-7 (41 ref.)

Structural and functional characterization of ADP-ribosylation factors, 20 kDa guanine nucleotide-binding proteins that activate cholera toxin. Moss J, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:83-8 (19 ref.)

Pertussis toxin-sensitive G-proteins: participation in the modulation of voltage-dependent Ca2+ channels by hormones and neurotransmitters. Rosenthal W, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:89-94 (28 ref.)

Direct and indirect regulation of cardiac L-type calcium channels by beta-adrenoreceptor agonists. Trautwein W, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:45-50 (14 ref.)

Bacterial toxins as probe for receptor-Gi coupling. Ui M, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:63-9 (13 ref.)

Selectivity of action can be achieved with compounds acting at second messenger targets. Corda D, et al. **Trends Pharmacol Sci** 1990 Dec;11(12):471-3 (12 ref.)

PHYSIOLOGY

The regulation of ciliary motility in Paramecium by Ca2+ and cyclic nucleotides. Bonini NM, et al. **Adv Second Messenger Phosphoprotein Res** 1991;23:227-72 (188 ref.)

Histamine receptors and interactions between second messenger transduction systems. Hill SJ. **Agents Actions Suppl** 1991;33:145-59 (31 ref.)

The cellular basis of contraction and relaxation in cardiac and vascular smooth muscle. Morgan JP, et al. **Am Heart J** 1991 Mar;121(3 (Pt 1)):961-8 (37 ref.)

Second messengers are involved in facilitatory but not inhibitory receptor actions at sympathetic nerve endings. Majewski H, et al. **Ann N Y Acad Sci** 1990;604:266-75 (38 ref.)

Histamine as an intracellular messenger. Brandes LJ, et al. **Biochem Pharmacol** 1990 Oct 15;40(8):1677-81 (39 ref.)

The role of ras gene products in second messenger generation. Wakelam MJ, et al. **Biochem Soc Symp** 1990; 56:103-16 (40 ref.)

Regulation of calcium channel activity by GTP binding proteins and second messengers. Dolphin AC. **Biochim Biophys Acta** 1991 Jan 10;1091(1):68-80 (113 ref.)

Receptors and dormant receptors--messengers and opportunistic ligands. Ariëns EJ. **J Recept Res** 1991; 11(1-4):1-11 (15 ref.)

5-HT receptors: subtypes and second messengers. Hoyer D, et al. **J Recept Res** 1991;11(1-4):197-214 (96 ref.)

Second messengers at fertilization in sea-urchin eggs. Swann K, et al. **J Reprod Fertil Suppl** 1990;42:141-53 (85 ref.)

Cell cycle control proteins are second messenger targets at fertilization in sea-urchin eggs. Whitaker MJ. **J Reprod Fertil Suppl** 1990;42:199-204 (49 ref.)

Molecular reaction cascades in olfactory signal transduction. Breer H. **J Steroid Biochem Mol Biol** 1991 Oct; 39(4B):621-5 (24 ref.)

Opioid receptor-coupled second messenger systems. Childers SR. **Life Sci** 1991;48(21):1991-2003 (141 ref.)

Phospholipase D in cell signalling and its relationship to phospholipase C. Shukla SD, et al. **Life Sci** 1991; 48(9):851-66 (132 ref.)

Pharmacology of the second messenger, cyclic guanosine 3',5'-monophosphate, in the cerebellum. Wood PL. **Pharmacol Rev** 1991 Mar;43(1):1-25 (214 ref.)

Cellular mechanisms in excitation-contraction coupling. Verrijk R, et al. **Pharmazie** 1990 Nov;45(11):818-23 (96 ref.)

Nitric oxide (NO): a versatile second messenger in brain. Crossin KL. **Trends Biochem Sci** 1991 Mar;16(3):81-2 (22 ref.)

[Second messenger systems in the gastrointestinal tract] Pfeiffer A, et al. **Z Gastroenterol Verh** 1991 Mar;26:273-7 (30 ref.) **(Ger)**

[Mechanism of the cell communication transduction system] Tada S, et al. **Arerugi** 1990 Jun;39(6):495-501 (30 ref.) **(Jpn)**

[Second messengers and protein phosphorylation in cellular signal transduction] Kuno T. **Nippon Yakurigaku Zasshi** 1990 Aug;96(2):41-7 (28 ref.) (Eng. Abstr.) **(Jpn)**

[Molecular pharmacology of intracellular calcium signaling] Hidaka H, et al. **Seikagaku** 1990 Dec;62(12):1473-89 (65 ref.) **(Jpn)**

[Transport of calcium ions through the cell membrane] Famulski KS. **Postepy Biochem** 1989;35(4):493-511 (128 ref.) **(Pol)**

[The physiological significance of regulation by catecholamines, second messengers and enzyme inducers of glutathione metabolism] Kolesnichenko LS, et al. **Fiziol Zh SSSR** 1990 Oct;76(10):1418-25 (20 ref.) (Eng. Abstr.) **(Rus)**

[The participation of transmembrane messenger systems in the action of steroid hormones on target cells] Morozova TM, et al. **Fiziol Zh SSSR** 1990 Sep;76(9):1179-86 (24 ref.) (Eng. Abstr.) **(Rus)**

[The role of steroid-binding glycoproteins in human blood in transmitting the hormonal signal to the cell] Strel'chenok OA. **Fiziol Zh SSSR** 1990 Sep;76(9):1187-96 (49 ref.) (Eng. Abstr.) **(Rus)**

[Does an evolutionary kinship exist between the chemosignal systems of eukaryotes and prokaryotes?] Perteva MN. **Zh Evol Biokhim Fiziol** 1990 Jul-Aug;26(4):505-13 (39 ref.) **(Rus)**

SECOND OPINION see REFERRAL AND CONSULTATION

SECRETORY GRANULES see CYTOPLASMIC GRANULES

SECRETORY IGA see IGA, SECRETORY

SECRETORY PHASE see MENSTRUAL CYCLE

SEDATIVES see HYPNOTICS AND SEDATIVES

SEDATIVES, NONBARBITURATE

ADVERSE EFFECTS

A review of the safety profiles of benzodiazepine hypnotics. Roth T, et al. **J Clin Psychiatry** 1991 Sep;52 Suppl:38-41 (23 ref.)

PHARMACOKINETICS

Determinants of pharmacologic effects and toxicity of benzodiazepine hypnotics: role of lipophilicity and plasma elimination rates. Arnold J. **J Clin Psychiatry** 1991 Sep;52 Suppl:11-4 (26 ref.)

Benzodiazepine hypnotics: sorting the pharmacokinetic facts. Greenblatt DJ. **J Clin Psychiatry** 1991 Sep;52 Suppl:4-10 (43 ref.)

Quazepam and flurazepam: differential pharmacokinetic and pharmacodynamic characteristics. Hilbert JM, et al. **J Clin Psychiatry** 1991 Sep;52 Suppl:21-6 (34 ref.)

THERAPEUTIC USE

Criteria for selection of appropriate benzodiazepine hypnotic therapy. Mendels J. **J Clin Psychiatry** 1991 Sep;52 Suppl:42-6 (34 ref.)

SEEDS

ANALYSIS

Narbonin, a 2 S globulin from Vicia narbonensis L. Crystallization and preliminary crystallographic data. Hennig M, et al. **J Mol Biol** 1990 Oct 5;215(3):339-40 (3 ref.)

SEGMENTATION STAGE, OVUM see CLEAVAGE STAGE, OVUM

SEIZURES

Neonatal seizures. Knight M. **Nebr Med J** 1991 Feb; 76(2):42-4 (7 ref.)

CHEMICALLY INDUCED

The adverse effects of recombinant human erythropoietin therapy. Wong KC, et al. **Adverse Drug React Acute Poisoning Rev** 1990 Winter; 9(4):183-206 (113 ref.)

Anticonvulsant drug withdrawal in seizure-free patients. Jenck MA, et al. **Clin Pharm** 1990 Oct;9(10):781-7 (37 ref.)

Antipsychotic medications and seizures. Marks RC, et al. **Psychiatr Med** 1991;9(1):37-52 (34 ref.)

CLASSIFICATION

The classification of childhood seizures and epilepsy syndromes. Pellock JM. **Neurol Clin** 1990 Aug;8(3):619-32 (50 ref.)

COMPLICATIONS

Epidermal nevus syndrome: a neurologic variant with hemimegalencephaly, gyral malformation, mental retardation, seizures, and facial hemihypertrophy. Pavone L, et al. **Neurology** 1991 Feb;41(2 (Pt 1)):266-71 (22 ref.)

Intractable complex partial seizures associated with occult temporal lobe encephalocele and meningoangiomatosis: a case report. Whiting DM, et al. **Surg Neurol** 1990 Nov; 34(5):318-22 (12 ref.)

DIAGNOSIS

Frontal lobe seizures and epilepsies in neurobehavioral disorders. Delgado-Escueta AV, et al. **Adv Neurol** 1991; 55:317-40 (67 ref.)

Neonatal seizures: diagnosis and treatment. Painter MJ, et al. **J Child Neurol** 1991 Apr;6(2):101-8 (45 ref.)

Early myoclonic encephalopathy, early infantile epileptic encephalopathy, and benign and severe infantile myoclonic epilepsies: a critical review and personal contributions. Lombroso CT. **J Clin Neurophysiol** 1990 Jul;7(3):380-408 (60 ref.)

What is a neonatal seizure? Problems in definition and quantification for investigative and clinical purposes. Shewmon DA. **J Clin Neurophysiol** 1990 Jul;7(3):315-68 (166 ref.)

The evaluation and treatment of seizures [see comments] Scheuer ML, et al. **N Engl J Med** 1990 Nov 22; 323(21):1468-74 (51 ref.) Comment in: N Engl J Med 1991 Apr 25;324(17):1213-6.

The child with spells. Barron T. **Pediatr Clin North Am** 1991 Jun;38(3):711-24 (46 ref.)

DRUG THERAPY

Intraoperative defect in haemostasis in a child receiving valproic acid. Tetzlaff JE. **Can J Anaesth** 1991 Mar; 38(2):222-4 (24 ref.)

Therapy of seizures associated with stroke. Armon C, et al. **Clin Neuropharmacol** 1991 Feb;14(1):17-27 (47 ref.)

Neonatal seizures: diagnosis and treatment. Painter MJ, et al. **J Child Neurol** 1991 Apr;6(2):101-8 (45 ref.)

Antiepileptic drugs: pharmacological mechanisms and clinical efficacy with consideration of promising developmental stage compounds. Rogawski MA, et al. **Pharmacol Rev** 1990 Sep;42(3):223-86 (840 ref.)

ETIOLOGY

Poststroke seizures in the elderly. Asconapé JJ, et al. **Clin Geriatr Med** 1991 Aug;7(3):483-92 (52 ref.)

Seizures in the alcoholic patient. Young GP. **Emerg Med Clin North Am** 1990 Nov;8(4):821-33 (39 ref.)

Benign neonatal seizures. Miles DK, et al. **J Clin Neurophysiol** 1990 Jul;7(3):369-79 (29 ref.)

METABOLISM

Enhanced synaptic activation of NMDA receptors during hippocampal seizures. Yaari Y, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan-Dec;1(1-4):41-7 (13 ref.)

PHYSIOPATHOLOGY

A continuum model of activity waves in layered neuronal networks: a neuropsychology of brainstem seizures. Koch

P, et al. **Int J Neurosci** 1990 Sep;54(1-2):41-62 (29 ref.)
Seizure and acute osmotic change: clinical and neurophysiological aspects. Andrew RD. **J Neurol Sci** 1991 Jan;101(1):7-18 (77 ref.)
Frontal lobe seizures in autism. Gedye A. **Med Hypotheses** 1991 Feb;34(2):174-82 (121 ref.)
The risk of seizure recurrence following a first unprovoked seizure: a quantitative review. Berg AT, et al. **Neurology** 1991 Jul;41(7):965-72 (46 ref.)
The role of gamma-aminobutyric acid in the mechanism of seizures. Wood JD. **Prog Neurobiol** 1975;5(1):77-95 (62 ref.)
Brief seizure episodes induce long-term potentiation and mossy fibre sprouting in the hippocampus. Ben-Ari Y, et al. **Trends Neurosci** 1990 Aug;13(8):312-8 (81 ref.)

SURGERY

Surgical management of intractable seizure disorders. Hodges K, et al. **J Neurosci Nurs** 1991 Apr;23(2):93-100 (20 ref.)

THERAPY

Evocation and inhibition of seizures. Behavioral treatment. Fenwick P. **Adv Neurol** 1991;55:163-83 (127 ref.)
Emergency department approach to managing seizures in pregnancy. Jagoda A, et al. **Ann Emerg Med** 1991 Jan; 20(1):80-5 (78 ref.)

SEIZURES, FEBRILE see **CONVULSIONS, FEBRILE**

SELECTION (GENETICS)

Quantifying fitness and gene stability in microorganisms. Lenski RE. **Biotechnology** 1991;15:173-92 (37 ref.)
Evolutionary innovation in behavior and speciation: opportunities for behavioral neuroethology. Hoy RR. **Brain Behav Evol** 1990;36(2-3):141-53 (55 ref.)
On the origins of genetic variants. Wintersberger U. **FEBS Lett** 1991 Jul 22;285(2):160-4 (30 ref.)
The action of stabilizing selection on the perfection of new characters in evolution. Slabý O. **Folia Morphol (Praha)** 1990;38(3):241-52 (37 ref.)
Of HLA, tryps, and selection: an essay on coevolution of MHC and parasites. Klein J. **Hum Immunol** 1991 Apr; 30(4):247-58 (57 ref.)
Animal models for the study of alcoholism: utility of selected lines. Froehlich JC, et al. **J Addict Dis** 1991;10(1-2):61-71 (40 ref.)
Behavioral and neurochemical studies in diazepam-sensitive and -resistant mice. Gallaher EJ, et al. **J Addict Dis** 1991; 10(1-2):45-60 (29 ref.)
Switches in species-specific codon preferences: the influence of mutation biases. Shields DC. **J Mol Evol** 1990 Aug; 31(2):71-80 (31 ref.)
Selection and evolution of virulence in bacteria: an ecumenical excursion and modest suggestion. Levin BR, et al. **Parasitology** 1990;100 Suppl:S103-15 (92 ref.)
Diet selection--an ecological perspective. Moss R. **Proc Nutr Soc** 1991 Mar;50(1):71-5 (16 ref.)
A mammalian mutation system avoiding phenotypic selection: the RFLP/PCR approach. Zijlstra J, et al. **Prog Clin Biol Res** 1990;347:187-200 (40 ref.)
The dawn of Darwinian medicine. Williams GC, et al. **Q Rev Biol** 1991 Mar;66(1):1-22 (124 ref.)
Formal genetics in humans: mendelian and nonmendelian inheritance. Pyeritz RE. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:47-73 (53 ref.)
Genetic selection in farmed deer. McManus C. **Vet Rec** 1991 Feb 2;128(5):100-2 (7 ref.)

SELEGILINE

THERAPEUTIC USE

Nigrostriatal dopaminergic activity, deprenyl treatment, and longevity. Knoll J. **Adv Neurol** 1990;53:425-9 (19 ref.)
Deprenyl: the exciting possibility of protective effect. Grimes JD. **Can J Neurol Sci** 1991 Feb;18(1):85-6 (14 ref.)
Deprenyl: protective vs. symptomatic effect. Kofman OS. **Can J Neurol Sci** 1991 Feb;18(1):83-5 (19 ref.)
Selegiline: initial or adjunctive therapy of Parkinson's disease? Fuller MA, et al. **DICP** 1991 Jan;25(1):36-40 (33 ref.)
Selegiline HC1: Selective MAO-type B inhibitor. Koller WC, et al. **Neurology** 1990 Oct;40(10 Suppl 3):suppl 58-60 (36 ref.)
Selegiline as neuroprotective therapy in Parkinson's disease: concepts and controversies. Langston JW. **Neurology** 1990 Oct;40(10 Suppl 3):suppl 61-6; discussion 67-9 (37 ref.)

SELENIUM

Selenium in pediatric nutrition. Litov RE, et al. **Pediatrics** 1991 Mar;87(3):339-51 (118 ref.)
Sewage sludge as a source of environmental selenium. Cappon CJ. **Sci Total Environ** 1991 Mar;100 Spec No:177-205 (97 ref.)
Selenium. Nutritional, toxicologic, and clinical aspects [see comments] Fan AM, et al. **West J Med** 1990 Aug; 153(2):160-7 (53 ref.) Comment in: West J Med 1990 Aug;153(2):192-4.

ADMINISTRATION & DOSAGE

Health effects of dietary selenium. Pařízek J. **Food Chem Toxicol** 1990 Nov;28(11):763-5 (25 ref.)
Selenium content of toenails reflects dietary intake. **Nutr Rev** 1991 Jan;49(1):28-30 (10 ref.)
[Selenium, vitamin A, C and E seem to have a preventive effect against cancer] Bruce A. **Lakartidningen** 1990 Dec 19;87(51-52):4439-42 (15 ref.) **(Swe)**

BLOOD

Determination of selenium in blood components by X-ray emission spectrometry. Procedures, concentration levels, and health implications. Robberecht H, et al. **Biol Trace Elem Res** 1990 Jun;25(3):149-85 (257 ref.)

DEFICIENCY

Selenium: geochemical distribution and associations with human heart and cancer death rates and longevity in China and the United States. Jackson ML. **Biol Trace Elem Res** 1988 Jan-Apr;15:13-21 (45 ref.)
Selenium and cardiovascular disease. Oster O, et al. **Biol Trace Elem Res** 1990 Feb;24(2):91-103 (56 ref.)
Selenium in total parenteral nutrition. von Stockhausen HB. **Biol Trace Elem Res** 1988 Jan-Apr;15:147-55 (22 ref.)
[The problem of the prevention of selenium deficiency in Belgium] Lederer J. **Arch Belg** 1989;47(7-8):291-311 (83 ref.) (Eng. Abstr.) **(Fre)**
[Hyposelenoses] Kakturskiĭ LV, et al. **Arkh Patol** 1990; 52(12):3-8 (55 ref.) (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

A black adrenocortical adenoma causing Cushing's syndrome not imaged by radiocholesterol scintigraphy. Reschini E, et al. **Eur J Nucl Med** 1990;17(3-4):185-7 (15 ref.)

METABOLISM

Clinical aspects of selenium metabolism. Zumkley H. **Biol Trace Elem Res** 1988 Jan-Apr;15:139-46 (27 ref.)
Molecular biology of selenium with implications for its metabolism. Burk RF. **FASEB J** 1991 Jun;5(9):2274-9 (61 ref.)
Selenocysteine: the 21st amino acid. Böck A, et al. **Mol Microbiol** 1991 Mar;5(3):515-20 (37 ref.)
Specificity of selenium uptake by selenoproteins. **Nutr Rev** 1991 Feb;49(2):62-4 (9 ref.)

PHARMACOLOGY

Biological activities and clinical potential of Ebselen. Parnham MJ. **Adv Exp Med Biol** 1990;264:193-7 (30 ref.)
The pharmacology of ebselen. Parnham MJ, et al. **Agents Actions** 1991 Jan;32(1-2):4-9 (56 ref.)
Relationship between selenium, immunity and resistance against infection. Dhur A, et al. **Comp Biochem Physiol [C]** 1990;96(2):271-80 (124 ref.)
Mercury and selenium interaction: a review. Cuvin-Aralar ML, et al. **Ecotoxicol Environ Safety** 1991 Jun;21(3):348-64 (71 ref.)
Pharmacology of synthetic organic selenium compounds. Parnham MJ, et al. **Prog Drug Res** 1991;36:9-47 (133 ref.)

PHYSIOLOGY

Physiological and nutritional importance of selenium. Nève J. **Experientia** 1991 Feb 15;47(2):187-93 (111 ref.)
Biosynthesis and function of selenocysteine-containing enzymes. Stadtman TC. **J Biol Chem** 1991 Sep 5; 266(25):16257-60 (65 ref.)
Selenium. Manser WW. **JPMA J Pak Med Assoc** 1991 Apr; 41(4):90-4 (76 ref.)
Selenium in rheumatic diseases. Peretz AM, et al. **Semin Arthritis Rheum** 1991 Apr;20(5):305-16 (125 ref.)
[Selenoproteins] Liu MX. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):345-8 (21 ref.) **(Chi)**

POISONING

The fat lady enters stage left. Acute selenium poisoning. Mack RB. **N C Med J** 1990 Dec;51(12):636-8 (9 ref.)

THERAPEUTIC USE

Selenium. Preclinical studies of anticancer therapeutic potential. Batist G. **Biol Trace Elem Res** 1988 Jan-Apr; 15:223-9 (21 ref.)
Selenium status in disease: the role of selenium as a therapeutic agent. Bunker VW, et al. **Br J Clin Pract** 1990 Oct;44(10):401-3 (16 ref.)
Antioxidant micronutrients in cancer prevention. Dorgan JF, et al. **Hematol Oncol Clin North Am** 1991 Feb;5(1):43-68 (209 ref.)

TOXICITY

The carcinogenic potential of cadmium, arsenic, and selenium and the associated public health and regulatory implications. Fan AM. **J Toxicol Sci** 1990 Dec;15 Suppl 4:162-75 (44 ref.)
Micronutrient supplements: toxicity and drug interactions. Flodin NW. **Prog Food Nutr Sci** 1990;14(4):277-331 (257 ref.)

SELENIUM RADIOISOTOPES

DIAGNOSTIC USE

A black adrenocortical adenoma causing Cushing's syndrome not imaged by radiocholesterol scintigraphy. Reschini E, et al. **Eur J Nucl Med** 1990;17(3-4):185-7 (15 ref.)

SELF see **EGO**

SELF ADMINISTRATION

ECONOMICS

Behavioral economics of drug self-administration. I. Functional equivalence of response requirement and drug dose. Bickel WK, et al. **Life Sci** 1990;47(17):1501-10 (18 ref.)

SELF ASSESSMENT (PSYCHOLOGY)

Fundamental issues in self-assessment of hearing. Schow RL, et al. **Ear Hear** 1990 Oct;11(5 Suppl):6S-16S (89 ref.)

SELF CARE

Living arrangements and sources of caregiving. Chappell NL. **J Gerontol** 1991 Jan;46(1):S1-8 (33 ref.)
The impact of elder health, caregiver involvement, and global stress on two dimensions of caregiver burden. Miller B, et al. **J Gerontol** 1991 Jan;46(1):S9-19 (41 ref.)
[Ambulatory blood pressure monitoring vs. blood pressure self monitoring] Vetter W, et al. **Z Kardiol** 1991;80 Suppl 1:49-51 (22 ref.) (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

[Intermittent ventilation--a new therapy in chronic respiratory failure (see comments)] Laier-Groeneveld G, et al. **Med Klin** 1991 May 15;86(5):255-8 (14 ref.) Comment in: Med Klin 1991 May 15;86(5):269-70. **(Ger)**

PSYCHOLOGY

Self-management of diabetes mellitus: a critical review. Goodall TA, et al. **Health Psychol** 1991;10(1):1-8 (80 ref.)
Issues in adherence with pediatric regimens. La Greca AM. **J Pediatr Psychol** 1990 Aug;15(4):423-36 (34 ref.)
Adherence issues in the medical management of asthma. Lemanek K. **J Pediatr Psychol** 1990 Aug;15(4):437-58 (65 ref.)

SELF CARE (REHABILITATION) see **ACTIVITIES OF DAILY LIVING**

SELF CONCEPT

see related
BODY IMAGE

Is short stature a psychosocial handicap? Westphal O. **Acta Paediatr Scand Suppl** 1989;362:24-6 (14 ref.)
The sense of adoption. Schulte MJ, et al. **Acta Paedopsychiatr** 1989;52(3):209-16 (25 ref.)
The cohesive self, the nuclear self, and development in late adolescence. Palombo J. **Adolesc Psychiatry** 1990;17:338-59 (40 ref.)
Impact of orthognathic surgery on normal and abnormal personality dimensions: a 2-year follow-up study of 61 patients. Flanary CM, et al. **Am J Orthod Dentofacial Orthop** 1990 Oct;98(4):313-22 (58 ref.)
Long-term effects of sexual abuse which occurred in childhood: a review. Cahill C, et al. **Br J Clin Psychol** 1991 May;30 (Pt 2):117-30 (30 ref.)
Self-esteem as a factor in social and domestic violence. Rosen I. **Br J Psychiatry** 1991 Jan;158:18-23 (11 ref.)
On internalization in group psychology: the group within. Scheidlinger S. **J Am Acad Psychoanal** 1990 Fall; 18(3):494-504 (41 ref.)
The concept of the self in psychoanalytic theory and its philosophical foundations. Kirshner LA. **J Am Psychoanal Assoc** 1991;39(1):157-82 (36 ref.)
Psychologic facets of esthetic dental health care: a developmental perspective. Levinson NA. **J Prosthet Dent** 1990 Oct;64(4):486-91 (43 ref.)
Reality testing, the self and the brain as modular distributed systems. Grigsby J, et al. **Psychiatry** 1991 Feb;54(1):39-54 (70 ref.)
Binge eating as escape from self-awareness. Heatherton TF, et al. **Psychol Bull** 1991 Jul;110(1):86-108 (240 ref.)
Gender and the influence of evaluations on self-assessments in achievement settings. Roberts TA. **Psychol Bull** 1991 Mar;109(2):297-308 (110 ref.)
A general model of consensus and accuracy in interpersonal perception. Kenny DA. **Psychol Rev** 1991 Apr;98(2):155-63 (28 ref.)
The self and its brain. McClelland RJ. **Ulster Med J** 1990 Oct;59(2):110-8 (17 ref.)

SELF DETERMINATION see **FREEDOM**

SELF ESTEEM see **SELF CONCEPT**

SELF-EXAMINATION

Malignant melanoma in the 1990s: the continued importance of early detection and the role of physician examination and self-examination of the skin. Friedman RJ, et al. **CA Cancer J Clin** 1991 Jul-Aug;41(4):201-26 (84 ref.)

Implementation of breast cancer screening. Pisano ED, et al. **Curr Opin Radiol** 1991 Aug;3(4):579-87 (30 ref.)

Interventions to enhance breast self-examination practice: a review. Janz NK, et al. **Public Health Rev** 1989-90; 17(2-3):89-163 (56 ref.)

Should breast self-examination be included in a mammographic screening program? Feig SA. **Recent Results Cancer Res** 1990;119:151-64 (31 ref.)

Testicular cancer: the role of the primary care physician in prevention and early detection. Iammarino NK, et al. **Tex Med** 1991 May;87(5):66-71 (33 ref.)

SELF-HELP DEVICES

Ramps and rails [see comments] Travers AF. **BMJ** 1991 Apr 20;302(6782):951-4 (6 ref.) Comment in: BMJ 1991 May 25;302(6787):1277.

Rehabilitation engineering in pediatrics. Milner M, et al. **Pediatrician** 1990;17(4):287-96 (10 ref.)

SELF-HELP GROUPS

Role of support group for the family caregiver of dementia: recent developments in the structure of the support system. Vickers AB. **Adv Exp Med Biol** 1990;282:141-7 (25 ref.)

Psychological difficulties of caring for dementia patients: the role of support groups. Zandi T. **Adv Exp Med Biol** 1990; 282:113-20 (51 ref.)

Professional interface with mutual-aid self-help groups: a review. Stewart MJ. **Soc Sci Med** 1990;31(10):1143-58 (80 ref.)

[Swiss Bechterew's Disease Association: a patient self-help organization] Baumberger H. **Schweiz Rundsch Med Prax** 1991 Jun 4;80(23):644-9 (55 ref.) (Eng. Abstr.) **(Ger)**

ORGANIZATION & ADMINISTRATION

Family advocacy and the mental health system: the recent rise of the alliance for the mentally ill. Sommer R. **Psychiatr Q** 1990 Fall;61(3):205-21 (46 ref.)

SELF-INSTRUCTION PROGRAMS see **PROGRAMMED INSTRUCTION**

SELF-INSTRUCTION PROGRAMS, COMPUTERIZED see **COMPUTER-ASSISTED INSTRUCTION**

SELF-MONITORING, BLOOD GLUCOSE see **BLOOD GLUCOSE SELF-MONITORING**

SELF MUTILATION

ETIOLOGY

Self-inflected oral injuries and suicidal ideation secondary to loss of teeth. Watkins KV. **N Y State Dent J** 1991 May; 57(5):21-3 (12 ref.)

PREVENTION & CONTROL

Treatment of destructive behaviors in persons with developmental disabilities. **J Autism Dev Disord** 1990 Sep; 20(3):403-29; discussion 431-2 (0 ref.)

PSYCHOLOGY

Self-injurious behavior: a review of the behavior and biology of self-mutilation. Winchel RM, et al. **Am J Psychiatry** 1991 Mar;148(3):306-17 (116 ref.)

Self-restraint: a review of etiology and applications in mentally retarded adults with self-injury. Isley EM, et al. **Res Dev Disabil** 1991;12(1):87-95 (12 ref.)

THERAPY

Self-mutilation: diagnosis and practical treatment. Van Moffaert MM. **Int J Psychiatry Med** 1990;20(4):373-82 (25 ref.)

SELF PERCEPTION see **SELF CONCEPT**

SELF STIMULATION

The neurobiological basis of prefrontal cortex self-stimulation: a review and an integrative hypothesis. Mora F, et al. **Prog Brain Res** 1990;85:419-31 (93 ref.)

PHYSIOLOGY

Brain-stimulation reward: a review. Milner PM. **Can J Psychol** 1991 Mar;45(1):1-36 (220 ref.)

SELLA TURCICA

see related
EMPTY SELLA SYNDROME

Chondroid chordoma: case report and literature review. Watson D, et al. **Indiana Med** 1991 Jan;84(1):18-21 (15 ref.)

ANATOMY & HISTOLOGY

[Magnetic resonance imaging of the pituitary gland and the sella turcica region. Normal and pathological aspect] Baleriaux D, et al. **Ann Endocrinol (Paris)** 1990; 51(3-4):173-80 (26 ref.) (Eng. Abstr.) **(Fre)**

SEMANTICS

On deriving the properties of agrammatic comprehension. Frazier L, et al. **Brain Lang** 1991 Jan;40(1):51-66 (39 ref.)

Structure and stimulation in the ontogeny of spoken language. Locke JL. **Dev Psychobiol** 1990 Nov; 23(7):621-43 (150 ref.)

Innateness and maturation in linguistic development. Wexler K. **Dev Psychobiol** 1990 Nov;23(7):645-60 (50 ref.)

Semantic deterioration in Alzheimer's: the patterns to expect. Chobor KL, et al. **Geriatrics** 1990 Oct;45(10):68-70, 75 (38 ref.)

The components and neuroanatomic bases of prosody. Merewether FC, et al. **J Commun Disord** 1990 Aug-Oct; 23(4-5):325-36 (70 ref.)

A review of the tip-of-the-tongue experience. Brown AS. **Psychol Bull** 1991 Mar;109(2):204-23 (95 ref.)

Half a century of research on the Stroop effect: an integrative review. MacLeod CM. **Psychol Bull** 1991 Mar; 109(2):163-203 (425 ref.)

Word identification in reading and the promise of subsymbolic psycholinguistics. Van Orden GC, et al. **Psychol Rev** 1990 Oct;97(4):488-522 (350 ref.)

SEMEN

see related
SPERMATOZOA

Cryopreservation of human semen. Brotherton J. **Arch Androl** 1990;25(2):181-95 (91 ref.)

Techniques and significance of gamete collection and storage in the great apes. Gould KG. **J Med Primatol** 1990; 19(6):537-51 (35 ref.)

CYTOLOGY

Performing a complete canine semen evaluation in a small animal hospital. Johnston SD. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):545-51 (11 ref.)

Achieving canine pregnancy by using frozen or chilled extended semen. Linde-Forsberg C. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):467-85 (63 ref.)

ENZYMOLOGY

Seminal RNase: a unique member of the ribonuclease superfamily. D'Alessio G, et al. **Trends Biochem Sci** 1991 Mar;16(3):104-6 (30 ref.)

IMMUNOLOGY

Immunosuppression by seminal plasma and its possible biological significance. Quayle AJ, et al. **Arch Immunol Ther Exp (Warsz)** 1990;38(1-2):87-100 (77 ref.)

Sperm and seminal plasma antigens relevant to contraceptive vaccine development. Isojima S. **Curr Opin Immunol** 1989-90;2(5):752-6 (17 ref.)

PHYSIOLOGY

Hypothesis to explain subfertile semen. Zorgniotti AW. **Adv Exp Med Biol** 1991;286:221-3 (5 ref.)

SEMEN PRESERVATION

VETERINARY

Achieving canine pregnancy by using frozen or chilled extended semen. Linde-Forsberg C. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):467-85 (63 ref.)

SEMICARBAZIDES

PHARMACOLOGY

Properties and functions of the semicarbazide-sensitive amine oxidases. Callingham BA, et al. **Biochem Soc Trans** 1991 Feb;19(1):228-33 (53 ref.)

SEMICIRCULAR CANALS

BLOOD SUPPLY

The vascular anatomy of the vestibular labyrinth in man. Mazzoni A. **Acta Otolaryngol Suppl (Stockh)** 1990;472:1-83 (28 ref.)

PHYSIOLOGY

[The structure and function of the semicircular canals] Kondrachuk AV, et al. **Kosm Biol Aviakosm Med** 1991 Jan-Feb;25(1):4-11 (88 ref.) (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Morphophysiological and ultrastructural studies in the mammalian cristae ampullares. Goldberg JM, et al. **Hear Res** 1990 Nov;49(1-3):89-102 (37 ref.)

SEMILUNAR BONE

BLOOD SUPPLY

[Aseptic necrosis of the lunate bone. Etiology, clinical aspects, stage-adjusted therapy] Ehall R, et al. **Beitr Orthop Traumatol** 1990 Jul;37(7):414-22 (59 ref.) (Eng. Abstr.) **(Ger)**

SEMILUNAR CARTILAGES see **MENISCI, TIBIAL**

SEMILUNAR GANGLION see **TRIGEMINAL GANGLION**

SEMINAL VESICLES

Seminal vesicles: development, secretory products, and fertility. Curry PT, et al. **Arch Androl** 1990;25(2):107-13 (42 ref.)

[Ectopic ureter in seminal vesicle with cystic dysplasia. A clinical case and review of the literature] Soler Fernández JM, et al. **Actas Urol Esp** 1990 Nov-Dec;14(6):447-50 (40 ref.) (Eng. Abstr.) **(Spa)**

[Retrovesical leiomyoma] Munuera F, et al. **Rev Quir Esp** 1988 Mar-Apr;15(2):107-8 (9 ref.) (Eng. Abstr.) **(Spa)**

ABNORMALITIES

[Seminal vesicular agenesis, non-invasive diagnosis. Presentation of a case and review of the literature] Luque Arana JI. **Arch Esp Urol** 1989 Sep;42(7):705-6 (8 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Significance and treatment of positive margins or seminal vesicle invasion after radical prostatectomy. Montie JE. **Urol Clin North Am** 1990 Nov;17(4):803-12 (30 ref.)

SEMINIFEROUS TUBULES

METABOLISM

Alpha 2-macroglobulin: a multifunctional protein of the seminiferous tubule. Stahler MS, et al. **Ann N Y Acad Sci** 1991;626:73-80 (32 ref.)

SEMINOMA see **DYSGERMINOMA**

SEMIOCHEMICALS see **PHEROMONES**

SEMI-PERMEABLE CHAMBERS see **DIFFUSION CHAMBERS, CULTURE**

SEMI-PRIVATE ROOMS see **PATIENTS' ROOMS**

SEMISYNTHETIC VACCINES see **VACCINES, SYNTHETIC**

SENDAI VIRUS see **PARA-INFLUENZA VIRUS TYPE 1**

SENECIO

see related
PYRROLIZIDINE ALKALOIDS

SENECIO ALKALOIDS see **PYRROLIZIDINE ALKALOIDS**

SENESCENCE see **AGING**

SENESCENCE, CELLULAR see **CELL SURVIVAL**

SENILE OSTEOPOROSIS see **OSTEOPOROSIS**

SENSATION

see related
PERCEPTION

Dynamic organization of intersensory function. Turkewitz G, et al. **Can J Psychol** 1989 Jun;43(2):286-301 (60 ref.)

Resurfacing and sensory recovery of the sole. Rautio J. **Clin Plast Surg** 1991 Jul;18(3):615-26 (122 ref.)

Perioral somesthetic sensibility: do the skin of the lower face and the midface exhibit comparable sensitivity? [see comments] Rath EM, et al. **J Oral Maxillofac Surg** 1990 Nov;48(11):1181-90 (75 ref.) Comment in: J Oral Maxillofac Surg 1991 Jul;49(7):779-80.

Sensory recovery following digital replantation. Glickman LT, et al. **Microsurgery** 1990;11(3):236-42 (52 ref.)

Beyond attentional strategies: cognitive-perceptual model of somatic interpretation. Cioffi D. **Psychol Bull** 1991 Jan; 109(1):25-41 (180 ref.)

Direct parameter specification and the concept of perception. Neumann O. **Psychol Res** 1990;52(2-3):207-15 (52 ref.)

[Pure sensory syndrome caused by capsular hemorrhage in the territory of distribution of the anterior choroid artery (letter)] Arboix A, et al. **Neurologia** 1990 Aug-Sep; 5(7):251-2 (15 ref.) **(Spa)**

DRUG EFFECTS

Pharmacology of spinal peptides affecting sensory and motor functions: dynorphins, somatostatins and tachykinins. Spampinato S, et al. **Pharmacol Res** 1991 Feb;23(2):113–27 (113 ref.)

PHYSIOLOGY

Cross-modal performance: behavioural processes, phylogenetic considerations and neural mechanisms. Ettlinger G, et al. **Behav Brain Res** 1990 Nov 30; 40(3):169–92 (111 ref.)

Disconnected awareness for detecting, processing, and remembering in neurological patients. Weiskrantz L. **J R Soc Med** 1991 Aug;84(8):466–70 (29 ref.)

Intracortical processes regulating the integration of sensory information. Ebner FF, et al. **Prog Brain Res** 1990; 86:129–41 (46 ref.)

The anatomy of sensory relay functions in the thalamus. Jones EG. **Prog Brain Res** 1991;87:29–52 (118 ref.)

Local circuitry of the somatosensory thalamus in the processing of sensory information. Ralston HJ 3d. **Prog Brain Res** 1991;87:13–28 (39 ref.)

Self-organizing maps for internal representations. Ritter H. **Psychol Res** 1990;52(2–3):128–36 (37 ref.)

Counterpoint: a sensory gating—hippocampal model of schizophrenia [comment] Adler LE, et al. **Schizophr Bull** 1991;17(1):19–24 (35 ref.) Comment on: Schizophr Bull 1991;17(1):15–8.

Elementary neuronal dysfunctions in schizophrenia. Freedman R, et al. **Schizophr Res** 1991 Mar–Apr; 4(2):233–43 (36 ref.)

Laterality of cerebral controls on somatic and autonomic functions. Tohgi H, et al. **Tohoku J Exp Med** 1990 Aug; 161 Suppl:213–29 (33 ref.)

[The sensory systems of mollusks as a model subject for space biology] Kovalev VA, et al. **Nerv Sist** 1990;29:186–93 (26 ref.) **(Rus)**

SENSE ORGANS

see related
RECEPTORS, SENSORY

DRUG EFFECTS

Structural and functional effects of heavy metals on the nervous system, including sense organs, of fish. Baatrup E. **Comp Biochem Physiol [C]** 1991;100(1–2):253–7 (60 ref.)

PHYSIOLOGY

[Sense organs: selective projections and control of behaviors] Burkhardt D. **Naturwissenschaften** 1991 Jan;78(1):7–15 (61 ref.) (Eng. Abstr.) **(Ger)**

SENSITIVITY, CONTACT see **DERMATITIS, CONTACT**

SENSITIZATION, IMMUNOLOGIC see
IMMUNIZATION

SENSORY AIDS

Computer access for persons who are blind or visually impaired: human factors issues. Griffith D. **Hum Factors** 1990 Aug;32(4):467–75 (14 ref.)

SENSORY DEPRIVATION

Visual discrimination learning in binocularly deprived cats: 20 years of studies in the Nencki Institute. Zernicki B. **Brain Res Brain Res Rev** 1991 Jan–Apr;16(1):1–13 (59 ref.)

Effects of visual deprivation on properties and modifiability of compensatory eye movement systems. Cynader M. **Rev Oculomot Res** 1985;1:95–109 (0 ref.)

PHYSIOLOGY

Morphological changes in the geniculocortical pathway associated with monocular deprivation. Tieman SB. **Ann N Y Acad Sci** 1991;627:212–30 (106 ref.)

Optokinetic nystagmus in normal and visually deprived children: implications for cortical development. Lewis TL, et al. **Can J Psychol** 1989 Jun;43(2):121–40 (105 ref.)

SENSORY MOTOR PERFORMANCE see
PSYCHOMOTOR PERFORMANCE

SENSORY THRESHOLDS

Use of innate behaviors to evaluate sensory function in the dog. Myers LJ. **Vet Clin North Am Small Anim Pract** 1991 Mar;21(2):389–9 (28 ref.)

PHYSIOLOGY

On brain's magnetic responses to sensory stimuli. Hari R. **J Clin Neurophysiol** 1991 Apr;8(2):157–69 (33 ref.)

An informational approach to sensory adaptation. Norwich KH, et al. **J Comp Physiol [A]** 1991 Feb;168(2):151–7 (21 ref.)

SEPHAROSE

Sieving by agarose gels and its use during pulsed-field electrophoresis. Serwer P. **Biotechnol Genet Eng Rev** 1990; 8:319–43 (127 ref.)

SEPTAL NUCLEI

PHYSIOLOGY

[Activation of the cholinergic synapse in the septo–hippocampus under stress conditions] Finkelstein Y, et al. **Harefuah** 1989 Sep;117(5–6):154–7 (42 ref.) **(Heb)**

ULTRASTRUCTURE

Quantitation of synaptic density in the septal nuclei of young and aged Fischer 344 rats. Scheff SW, et al. **Neurobiol Aging** 1991 Jan–Feb;12(1):3–12 (60 ref.)

SEPTICEMIA

The pathogenesis of sepsis. Bone RC. **Ann Intern Med** 1991 Sep 15;115(6):457–69 (141 ref.)

Bacteremia due to anaerobic bacteria in newborns. Brook I. **J Perinatol** 1990 Dec;10(4):351–6 (53 ref.)

Pneumococcal endometritis and neonatal sepsis. Robinson EN Jr. **Rev Infect Dis** 1990 Sep–Oct;12(5):799–801 (11 ref.)

Candidemia and systemic candidiasis. Sobel JD, et al. **Semin Respir Infect** 1990 Jun;5(2):123–37 (85 ref.)

Sepsis. What it is and how to recognize it. Mileski WJ. **Surg Clin North Am** 1991 Aug;71(4):749–64 (55 ref.)

BLOOD

Experimental models of pathologic oxygen supply dependency. Cain SM, et al. **Crit Care Med** 1991 May; 19(5):603–12 (47 ref.)

A model for the interplay of inflammatory mediators in sepsis—a study in 48 patients. Hack CE, et al. **Intensive Care Med** 1990;16 Suppl 3:S187–91 (39 ref.)

[Changes in glucose homeostasis in sepsis—a review] Ahrén B, et al. **Lakartidningen** 1991 Mar 6;88(10):871–3 (15 ref.) **(Swe)**

CLASSIFICATION

Let's agree on terminology: definitions of sepsis. Bone RC. **Crit Care Med** 1991 Jul;19(7):973–6 (22 ref.)

[Scoring systems for severe intra-abdominal infections] Krenzien J, et al. **Zentralbl Chir** 1990;115(17):1065–79 (59 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Bacteremia in persons with HIV infection. Northfelt DW, et al. **AIDS Clin Rev** 1991;:59–79 (72 ref.)

Hemochromatosis and infection: alcohol and iron, oysters and sepsis. Muench KH. **Am J Med** 1989 Sep; 87(3N):40N–43N (38 ref.)

Role of tumor necrosis factor in the pathogenesis of intravascular coagulopathy of sepsis: potential new therapeutic implications. Aderka D. **Isr J Med Sci** 1991 Jan;27(1):52–60 (63 ref.)

Bacteriology of neonatal sepsis. Klein JO. **Pediatr Infect Dis J** 1990 Oct;9(10):778 (7 ref.)

Listeria monocytogenes infections in patients with AIDS: report of five cases and review. Decker CF, et al. **Rev Infect Dis** 1991 May–Jun;13(3):413–7 (38 ref.)

Purpura fulminans and adrenal hemorrhage due to group Y meningococcemia in an elderly woman. Marnejon T, et al. **South Med J** 1991 Apr;84(4):527–9 (23 ref.)

DIAGNOSIS

[The early diagnosis of neonatal sepsis] Domènech E, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 38:38–43 (29 ref.) **(Spa)**

DRUG THERAPY

Monoclonal anti-endotoxin antibodies for the treatment of gram-negative bacteremia and septic shock. Baumgartner JD. **Eur J Clin Microbiol Infect Dis** 1990 Oct;9(10):711–6 (30 ref.)

Treatment of sepsis in an intensive care unit. Smith CC. **Intensive Care Med** 1990;16 Suppl 3:S243–7 (42 ref.)

A successfully treated case of Vibrio vulnificus septicemia with shock. Kikawa K, et al. **Jpn J Med** 1990 May–Jun; 29(3):313–9 (44 ref.)

Management of children with occult bacteremia who are treated in the emergency department. Fleisher GR. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 2:S156–9 (8 ref.)

[The treatment of septicemia in childhood using time-spaced administration of antibiotic combinations] Riedl M, et al. **Wien Med Wochenschr** 1991;141(8):172–6 (26 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

Life threatening infections. Wood G, et al. **Aust Fam Physician** 1991 Jun;20(6):733–7, 740–1, 744 (18 ref.)

Clinical trials of selective decontamination of the digestive tract: review. Reidy JJ, et al. **Crit Care Med** 1990 Dec; 18(12):1449–56 (38 ref.)

Streptococcus zooepidemicus (Lancefield group C) septicaemia in Hong Kong. Yuen KY, et al. **J Infect** 1990 Nov;21(3):241–50 (29 ref.)

ETIOLOGY

Toothbrushing and transient bacteremia in patients undergoing orthodontic treatment. Schlein RA, et al. **Am J Orthod Dentofacial Orthop** 1991 May;99(5):466–72 (39 ref.)

Catheter-related infections and associated septicemia. Norwood S, et al. **Chest** 1991 Apr;99(4):968–75 (65 ref.)

Potentially lethal complications of shigellosis. Bennish ML. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S319–24 (51 ref.)

Transfusion reactions due to bacterial contamination of blood and blood products. Morduchowicz G, et al. **Rev Infect Dis** 1991 Mar–Apr;13(2):307–14 (79 ref.)

[Studying the levels of endotoxemia in meningococcal sepsis. Its relations to pregnancy and antibiotic treatment] Loscertales Abril M, et al. **An Esp Pediatr** 1991 May; 34(5):355–9 (38 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Postoperative and traumatic sepsis-like syndrome: a new understanding. Schlag G, et al. **Acute Care** 1988–89; 14–15:244–69 (195 ref.)

Anti-lipopolysaccharide antibodies in gram-negative bacteremia. Baumgartner JD. **Behring Inst Mitt** 1991 Feb; (88):216–21 (20 ref.)

MICROBIOLOGY

Acute glossitis and bacteremia caused by Streptococcus pneumoniae: case report and review [letter] Stoddard JJ, et al. **Am J Dis Child** 1991 Jun;145(6):598–9 (5 ref.)

Achromobacter xylosoxidans bacteremia. McGann KA, et al. **Infect Control Hosp Epidemiol** 1990 Oct;11(10):539–41 (15 ref.)

Haemophilus influenzae septicaemia in the neonate: report of two cases and review of the English literature. Wong SN, et al. **J Paediatr Child Health** 1991 Apr;27(2):113–5 (30 ref.)

A case of Vibrio vulnificus septicaemia acquired in Victoria. Maxwell EL, et al. **Med J Aust** 1991 Feb 4;154(3):214–5 (4 ref.)

Bacteremia due to Mycobacterium tuberculosis in patients with human immunodeficiency virus infection. A report of 9 cases and a review of the literature. Barber TW, et al. **Medicine (Baltimore)** 1990 Nov;69(6):375–83 (38 ref.)

Mechanisms of musculoskeletal sepsis. Gristina AG, et al. **Orthop Clin North Am** 1991 Jul;22(3):363–71 (58 ref.)

Serious infections involving the CDC group Ve bacteria Chryseomonas luteola and Flavimonas oryzihabitans. Hawkins RE, et al. **Rev Infect Dis** 1991 Mar–Apr; 13(2):257–60 (19 ref.)

Leptotrichia buccalis bacteremia in patients with cancer: report of four cases and review. Weinberger M, et al. **Rev Infect Dis** 1991 Mar–Apr;13(2):201–6 (45 ref.)

[A case of bacteremia due to Salmonella enteritidis in healthy man] Kakehashi R, et al. **Kansenshogaku Zasshi** 1990 Dec; 64(12):1561–5 (12 ref.) (Eng. Abstr.) **(Jpn)**

[Bacteremia caused by Bacteroides. An analysis of 50 episodes] Berenguer J, et al. **Enferm Infecc Microbiol Clin** 1989 Jun–Jul;7(6):307–11 (20 ref.) (Eng. Abstr.) **(Spa)**

MORTALITY

Prognostic factors in patients with IVDA and bacteremia. Arizmendi A, et al. **Bol Asoc Med P R** 1990 Sep;82(9):412–5 (5 ref.)

PREVENTION & CONTROL

Prevention of infection by ciprofloxacin in neutropenia. Warren RE, et al. **J Antimicrob Chemother** 1990 Dec;26 Suppl F:109–23 (66 ref.)

Antibiotic prophylaxis for medical-risk patients. Pallasch TJ, et al. **J Periodontol** 1991 Mar;62(3):227–31 (24 ref.)

Pneumococcal vaccine trials in Papua New Guinea: relationships between epidemiology of pneumococcal infection and efficacy of vaccine. Riley ID, et al. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S535–41 (41 ref.)

THERAPY

A critical evaluation of new agents for the treatment of sepsis. Bone RC. **JAMA** 1991 Sep 25;266(12):1686–91 (82 ref.)

SEQUENCE ALIGNMENT

METHODS

[An automated sequencing system for genomic DNA] Yakiyama M, et al. **Nippon Rinsho** 1990 Oct;48(10):2442–52 (6 ref.) **(Jpn)**

SEQUENCE HOMOLOGY DETERMINATION see
SEQUENCE ALIGNMENT

SEQUENCE HOMOLOGY, NUCLEIC ACID

see related
SEQUENCE ALIGNMENT

Report of the committee on comparative gene mapping. O'Brien SJ, et al. **Cytogenet Cell Genet** 1990;55(1–4):406–33 (13 ref.)

Analysis of beta-tubulin sequences reveals highly conserved, coordinated amino acid substitutions. Evidence that these 'hot spots' are directly involved in the conformational change required for dynamic instability. Burns RG, et al. **FEBS Lett** 1990 Oct 1;271(1-2):1-8 (182 ref.)

Determinants of DNA sequence divergence between Escherichia coli and Salmonella typhimurium: codon usage, map position, and concerted evolution. Sharp PM. **J Mol Evol** 1991 Jul;33(1):23-33 (55 ref.)

Protein sequence comparison: methods and significance. Argos P, et al. **Protein Eng** 1991 Apr;4(4):375-83 (51 ref.)

SER-(T-BU)6-DES-GLY(10)-LH-RH ETHYLAMIDE see BUSERELIN ACETATE

SERGENTOMYIA see PSYCHODIDAE

SERIAL EXTRACTION

Vertical changes in high mandibular plane cases following enucleation of second premolars. Garlington M, et al. **Angle Orthod** 1990 Winter;60(4):263-7; discussion 267-8 (13 ref.)

[A comparative study of cephalometric variation of the skeletal and dentoalveolar structures after treatment with the Begg, Ricketts and edgewise technic in cases of Class I and Class II malocclusions treated with and without extractions] Saurel-Passebosc C, et al. **Orthod Fr** 1989;60 Pt 2:873-94 (8 ref.) (Eng. Abstr.) **(Fre)**

SERIAL LEARNING

New approaches to the study of comparative cognition. Kesner RP. **NIDA Res Monogr** 1990;97:22-36 (33 ref.)

SERINE

GENETICS

Genetics of carbon metabolism in methylotrophic bacteria. Lidstrom ME. **FEMS Microbiol Rev** 1990 Dec;7(3-4):431-6 (29 ref.)

SERINE PROTEASE INHIBITORS see SERINE PROTEINASE INHIBITORS

SERINE PROTEASES see SERINE PROTEINASES

SERINE PROTEINASE ANTAGONISTS see SERINE PROTEINASE INHIBITORS

SERINE PROTEINASE INHIBITORS

PHARMACOLOGY

Role of antileukoprotease in the human lung. Kramps JA, et al. **Ann N Y Acad Sci** 1991;624:97-108 (56 ref.)

SERINE PROTEINASE INHIBITORS, ENDOGENOUS see SERINE PROTEINASE INHIBITORS

SERINE PROTEINASE INHIBITORS, EXOGENOUS see SERINE PROTEINASE INHIBITORS

SERINE PROTEINASES

Human chymase. Schechter NM. **Monogr Allergy** 1990; 27:114-31 (55 ref.)

CHEMISTRY

Could domain movements be involved in the mechanism of trypsin-like serine proteases? Dufton MJ. **FEBS Lett** 1990 Oct 1;271(1-2):9-13 (15 ref.)

Recent insights into the structure and function of a larval proteinase involved in host infection by a multicellular parasite. McKerrow JH, et al. **Proc Soc Exp Biol Med** 1991 Jun;197(2):119-24 (23 ref.)

DEFICIENCY

Inherited deficiencies of complement proteins with special reference to congenital deficiency of the regulatory protein factor I. Rasmussen JM. **APMIS Suppl** 1991;22:1-48 (297 ref.)

GENETICS

The structure and airway biology of mast cell proteinases. Caughey GH. **Am J Respir Cell Mol Biol** 1991 May; 4(5):387-94 (58 ref.)

IMMUNOLOGY

Autoimmunity to lysosomal enzymes: new clues to vasculitis and glomerulonephritis? Kallenberg CG, et al. **Immunol Today** 1991 Feb;12(2):61-4 (42 ref.)

ISOLATION & PURIFICATION

Studies on aerolysin and a serine protease from Aeromonas trota sp. nov. Husslein V, et al. **Experientia** 1991 May 15; 47(5):420-1 (11 ref.)

METABOLISM

Mechanisms of vitamin K antagonism. Bovill EG, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):555-81 (176 ref.)

Tryptase and chymase in dog mast cells. Caughey GH. **Monogr Allergy** 1990;27:67-89 (61 ref.)

Granule chymases and the characterization of mast cell phenotype and function in rat and mouse. Miller HR, et al. **Monogr Allergy** 1990;27:1-30 (71 ref.)

ATP-dependent proteases in prokaryotic and eukaryotic cells. Goldberg AL. **Semin Cell Biol** 1990 Dec;1(6):423-32 (67 ref.)

PHARMACOLOGY

Regulation of coagulation by a multivalent Kunitz-type inhibitor. Broze GJ Jr, et al. **Biochemistry** 1990 Aug 21; 29(33):7539-46 (97 ref.)

PHYSIOLOGY

Neutrophil proteinases. Caution signs in designing inhibitors against enzymes with possible multiple functions. Travis J, et al. **Ann N Y Acad Sci** 1991;624:81-6 (16 ref.)

SERINE SULFHYDRASE see CYSTATHIONINE BETA-SYNTHASE

SERODIAGNOSIS

Medical and surgical treatment of seronegative spondyloarthropathy. Khan MA. **Curr Opin Rheumatol** 1990 Aug;2(4):592-9 (32 ref.)

Cardiac, ocular, and renal manifestations of seronegative spondyloarthropathies. Youssef W, et al. **Curr Opin Rheumatol** 1990 Aug;2(4):582-5 (5 ref.)

The immune response to cytomegalovirus infection and serological methods used in its diagnosis. Galea G. **Med Lab Sci** 1990 Oct;47(4):297-303 (62 ref.)

SEROSITIS

MICROBIOLOGY

[Diagnostic efficacy of adenosine deaminase (ADA) in tuberculous serositis] Martínez JM, et al. **Enferm Infecc Microbiol Clin** 1989 Jan;7(1):48-53 (26 ref.) **(Spa)**

SEROTHERAPY see IMMUNIZATION, PASSIVE

SEROTONIN

BLOOD

The hyperserotonemia of autism. Anderson GM, et al. **Ann N Y Acad Sci** 1990;600:331-40; discussion 341-2 (77 ref.)

Approaches to the purification of the 5-hydroxytryptamine reuptake system from human blood platelets. Biessen EA, et al. **Biochem Soc Trans** 1991 Feb;19(1):103-11 (48 ref.)

Substrate and inhibitor binding and translocation by the platelet plasma membrane serotonin transporter. Humphreys CJ, et al. **Biochem Soc Trans** 1991 Feb; 19(1):95-8 (14 ref.)

Probing the platelet plasma-membrane 5-hydroxytryptamine transporter. Williams DC, et al. **Biochem Soc Trans** 1991 Feb;19(1):112-4 (14 ref.)

Serotonin, hypertension and vascular disease. Vanhoutte PM. **Neth J Med** 1991 Feb;38(1-2):35-42 (46 ref.)

DEFICIENCY

[Current aspects of the clinical course and pathogenesis of migraine (review of the literature)] Kolosova OA, et al. **Zh Nevropatol Psikhiatr** 1991;91(5):104-6 (62 ref.) **(Rus)**

METABOLISM

Serotonin in early onset, male alcoholics with violent behaviour. Virkkunen M, et al. **Ann Med** 1990;22(5):327-31 (55 ref.)

Serotonin in Alzheimer-type dementia and other dementing illnesses. Cross AJ. **Ann N Y Acad Sci** 1990;600:405-15; discussion 415-7 (53 ref.)

Neurotoxic effect of MDMA on brain serotonin neurons: evidence from neurochemical and radioligand binding studies. De Souza EB, et al. **Ann N Y Acad Sci** 1990; 600:682-97; discussion 697-8 (28 ref.)

Imaging the serotonergic system by positron emission tomography. Frost JJ. **Ann N Y Acad Sci** 1990;600:273-80; discussion 280-1 (47 ref.)

Serotonin uptake and serotonin uptake inhibition. Fuller RW, et al. **Ann N Y Acad Sci** 1990;600:68-78; discussion 79-80 (87 ref.)

Serotonin-storing secretory vesicles. Tamir H, et al. **Ann N Y Acad Sci** 1990;600:53-66; discussion 67 (50 ref.)

Modulation of serotonin release. Interactions between the serotonin transporter and autoreceptors. Wolf WA, et al. **Ann N Y Acad Sci** 1990;604:505-13 (29 ref.)

Regulation of serotonin release from the intestinal mucosa. Racké K, et al. **Pharmacol Res** 1991 Jan;23(1):13-25 (76 ref.)

Drugs affecting serotonin neurons. Fuller RW. **Prog Drug Res** 1990;35:85-108 (239 ref.)

Circadian rhythm of serotonin binding in rat brain. Wesemann W, et al. **Prog Neurobiol** 1990;35(6):405-28 (210 ref.)

Central serotonergic function in parasuicide. Coccaro EF, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(5):663-74 (72 ref.)

Binding of some antidepressants to the 5-hydroxytryptamine transporter in brain and platelets. Marcusson JO, et al. **Psychopharmacology (Berl)** 1990;102(2):145-55 (132 ref.)

[Regulation of food intake and the treatment of obesity using centrally-active serotonergic drugs] Pijl H, et al. **Ned Tijdschr Geneeskd** 1991 Apr 20;135(16):700-3 (42 ref.) **(Dut)**

[Measurement of serotonin uptake site in the human brain using PET] Fukuda H, et al. **Nippon Rinsho** 1991 Jul; 49(7):1567-71 (15 ref.) **(Jpn)**

PHARMACOLOGY

Neuroendocrine pharmacology of serotonergic (5-HT) neurons. Van de Kar LD. **Annu Rev Pharmacol Toxicol** 1991;31:289-320 (235 ref.)

Mechanisms involved in serotonin-induced vasodilatation. Mylecharane EJ. **Blood Vessels** 1990;27(2-5):116-26 (58 ref.)

5-HT1A partial agonists. What is their future? Glitz DA, et al. **Drugs** 1991 Jan;41(1):11-8 (120 ref.)

5-Hydroxytryptamine: a chameleon in the heart. Saxena PR, et al. **Trends Pharmacol Sci** 1991 Jun;12(6):223-7 (46 ref.)

[The role of serotonin in normal appetite regulation and in the pathogenesis of anorexia/bulimia] Spigset O. **Nord Med** 1990;105(11):292-7 (15 ref.) (Eng. Abstr.) **(Nor)**

PHYSIOLOGY

The "serotonin hypothesis" for depression in Parkinson's disease. Mayeux R. **Adv Neurol** 1990;53:163-6 (30 ref.)

The serotonin syndrome. Sternbach H. **Am J Psychiatry** 1991 Jun;148(6):705-13 (67 ref.)

Electrophysiology of the central serotonin system: receptor subtypes and transducer mechanisms. Aghajanian GK, et al. **Ann N Y Acad Sci** 1990;600:93-103; discussion 103 (68 ref.)

Effects of steroid hormones on the serotonergic system. Biegon A. **Ann N Y Acad Sci** 1990;600:427-32; discussion 432-4 (43 ref.)

Serotonin function and human anxiety disorders. Charney DS, et al. **Ann N Y Acad Sci** 1990;600:558-72; discussion 572-3 (82 ref.)

Endocrinological responses to 5-HT. Cowen PJ, et al. **Ann N Y Acad Sci** 1990;600:250-7; discussion 257-9 (11 ref.)

Serotonin and appetite. Curzon G. **Ann N Y Acad Sci** 1990; 600:521-30; discussion 530-1 (69 ref.)

Morphology of central serotonin neurons. Brief review of quantified aspects of their distribution and ultrastructural relationships. Descarries L, et al. **Ann N Y Acad Sci** 1990; 600:81-92 (42 ref.)

5-HT1A receptors and 5-HT1A-mediated responses: effect of treatments that modify serotonergic neurotransmission. Frazer A, et al. **Ann N Y Acad Sci** 1990;600:460-74; discussion 474-5 (90 ref.)

Animal models of serotonin behavior. Green AR, et al. **Ann N Y Acad Sci** 1990;600:237-48; discussion 248-9 (38 ref.)

Serotonin and migraine. Humphrey PP, et al. **Ann N Y Acad Sci** 1990;600:587-98; discussion 598-600 (57 ref.)

Serotonin in obsessions, compulsions, and the control of aggressive impulses. Insel TR, et al. **Ann N Y Acad Sci** 1990;600:574-85; discussion 585-6 (63 ref.)

Neurophysiological and neurochemical studies of brain serotonergic neurons in behaving animals. Jacobs BL, et al. **Ann N Y Acad Sci** 1990;600:260-8; discussion 268-71 (30 ref.)

Serotonin in human eating disorders. Jimerson DC, et al. **Ann N Y Acad Sci** 1990;600:532-44 (99 ref.)

Ontogeny of the serotonergic system in the rat: serotonin as a developmental signal. Lauder JM. **Ann N Y Acad Sci** 1990;600:297-313; discussion 314 (46 ref.)

Serotonin and suicidal behavior. Mann JJ, et al. **Ann N Y Acad Sci** 1990;600:476-84; discussion 484-5 (43 ref.)

Role of serotonin in depression. Meltzer HY. **Ann N Y Acad Sci** 1990;600:486-99; discussion 499-500 (99 ref.)

Serotonin regulation of circadian rhythmicity. Morin LP, et al. **Ann N Y Acad Sci** 1990;600:418-26 (40 ref.)

Peripheral indices of central serotonin function in humans. Murphy DL. **Ann N Y Acad Sci** 1990;600:282-95; discussion 295-6 (108 ref.)

Serotonin and nociception. Richardson BP. **Ann N Y Acad Sci** 1990;600:511-9; discussion 519-20 (62 ref.)

History of serotonin and serotinin disorders. Sjoerdsma A, et al. **Ann N Y Acad Sci** 1990;600:1-7; discussion 7-8 (27 ref.)

Anatomy of the serotonergic system. Törk I. **Ann N Y Acad Sci** 1990;600:9-34; discussion 34-5 (75 ref.)

Serotonergic control of cerebral activity and behavior: models of dementia. Vanderwolf CH, et al.

Ann N Y Acad Sci 1990;600:366–82; discussion 382–3 (66 ref.)
Nosological tunnel vision in biological psychiatry. A plea for a functional psychopathology. Van Praag HM, et al. **Ann N Y Acad Sci** 1990;600:501–10 (44 ref.)
Serotonin and sleep–wakefulness. Wauquier A, et al. **Ann N Y Acad Sci** 1990;600:447–58; discussion 458–9 (95 ref.)
A novel biochemical model linking dysfunctions in brain melatonin, proopiomelanocortin peptides, and serotonin in autism. Chamberlain RS, et al. **Biol Psychiatry** 1990 Nov 1;28(9):773–93 (150 ref.)
Eating disorders and depression: is there a serotonin connection? Jimerson DC, et al. **Biol Psychiatry** 1990 Sep 1;28(5):443–54 (100 ref.)
The role of 5–hydroxytryptamine and 5–hydroxytryptaminergic mechanisms in hypertension. van Zwieten PA, et al. **Br J Clin Pharmacol** 1990;30 Suppl 1:69S–74S (36 ref.)
The serotonin hypothesis of bulimia nervosa: theory and evidence. Goldbloom DS, et al. **Can J Psychiatry** 1990 Dec;35(9):741–4 (48 ref.)
Portal hypertension: serotonin and pathogenesis. Lebrec D. **Cardiovasc Drugs Ther** 1990 Jan;4 Suppl 1:33–5 (14 ref.)
Central serotonergic mechanisms in cardiovascular regulation. Minson J, et al. **Cardiovasc Drugs Ther** 1990 Jan;4 Suppl 1:27–32 (38 ref.)
Serotonin and acute cardiovascular disorders. Reneman RS, et al. **Cardiovasc Drugs Ther** 1990 Jan;4 Suppl 1:19–25 (43 ref.)
Serotonin and vascular disease: a survey. Robertson JI. **Cardiovasc Drugs Ther** 1990 Jan;4 Suppl 1:137–40 (27 ref.)
Carcinoid syndrome and serotonin: therapeutic effects of ketanserin. Robertson JI. **Cardiovasc Drugs Ther** 1990 Jan; 4 Suppl 1:53–8 (34 ref.)
The role of serotonin in cardiovascular diseases and their treatment. van Zwieten PA, et al. **Cardiovasc Drugs Ther** 1990 Dec;4(6):1443–7 (43 ref.)
The role of serotonin in the preeclampsia–eclampsia syndrome. Weiner CP. **Cardiovasc Drugs Ther** 1990 Jan;4 Suppl 1:37–43 (75 ref.)
The central serotoninergic system. Malmgren R. **Cephalalgia** 1990 Aug;10(4):199–204 (25 ref.)
Neuroendocrine control of prolactin secretion: the role of the serotonergic system. Pan JT. **Chin J Physiol** 1991; 34(1):45–64 (89 ref.)
5–Hydroxytryptamine and its role in migraine. Lance JW. **Eur Neurol** 1991;31(5):279–81 (32 ref.)
Tryptamine may couple dopaminergic and serotonergic transmission in the brain. Juorio AV, et al. **Gen Pharmacol** 1990;21(5):613–6 (49 ref.)
Serotonin and local circuits in rat hippocampus. Segal M. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec;1(1–4):77–86 (22 ref.)
Bulbospinal serotonergic pathways in the control of blood pressure. Coote JH. **J Cardiovasc Pharmacol** 1990;15 Suppl 7:S35–41 (75 ref.)
Cardiovascular effects of serotonin agonists and antagonists. Saxena PR, et al. **J Cardiovasc Pharmacol** 1990;15 Suppl 7:S17–34 (203 ref.)
Role of serotonin in therapy of depression and related disorders. Fuller RW. **J Clin Psychiatry** 1991 May;52 Suppl:52–7 (81 ref.)
Beyond serotonin. Meltzer HY. **J Clin Psychiatry** 1991 May; 52 Suppl:58–62 (57 ref.)
5–Hydroxytryptamine and the pathophysiology of migraine. Humphrey PP. **J Neurol** 1991;238 Suppl 1:S38–44 (91 ref.)
5–HT neuroendocrine responses during psychotropic drug treatment: an investigation of the effects of lithium. Cowen PJ, et al. **J Neurosci Methods** 1990 Sep;34(1–3):201–5 (27 ref.)
Multiple populations of serotonin receptors may modulate the behavioral effects of serotonergic agents. Glennon RA, et al. **Life Sci** 1991;48(26):2493–8 (27 ref.)
Developments in 5–hydroxytryptamine receptor pharmacology in migraine. Peroutka SJ. **Neurol Clin** 1990 Nov;8(4):829–39 (56 ref.)
Do classical hallucinogens act as 5–HT2 agonists or antagonists? Glennon RA. **Neuropsychopharmacology** 1990 Oct–Dec;3(5–6):509–17 (69 ref.)
The role of brain serotonin. A neurophysiologic perspective. Jacobs BL, et al. **Neuropsychopharmacology** 1990 Oct–Dec; 3(5–6):473–9 (27 ref.)
Kinetics of response and drug action. Osman R, et al. **Neuropsychopharmacology** 1990 Oct–Dec;3(5–6):417–25 (33 ref.)
Behavioural physiology of serotonergic and steroid–like anxiolytics as antistress drugs. Bohus B, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):529–34 (71 ref.)
5–HT–related drugs and human experimental anxiety. Zuardi AW. **Neurosci Biobehav Rev** 1990 Winter;14(4):507–10 (34 ref.)
Pathophysiology of cytotoxic drug–induced emesis: far from crystal–clear. Seynaeve C, et al. **Pharm Weekbl [Sci]** 1991 Feb 22;13(1):1–6 (43 ref.)
Serenics, serotonin and aggression. Olivier B, et al. **Prog Clin Biol Res** 1990;361:203–30 (82 ref.)
Pharmacology of the serotonergic anxiolytic tandospirone (SM–3997). Seymour PA, et al. **Prog Clin Biol Res** 1990; 361:453–60 (9 ref.)
Neurophysiological actions of 5–hydroxytryptamine in the vertebrate nervous system. Anwyl R. **Prog Neurobiol** 1990; 35(6):451–68 (141 ref.)
Monoamine systems in the cerebral cortex: evidence for anatomical specificity. Papadopoulos GC, et al. **Prog Neurobiol** 1991;36(3):195–200 (79 ref.)
Clinical studies of 5–HT function using i.v. L–tryptophan. Price LH, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(4):459–72 (81 ref.)
Serotonergic dysfunction and aggression control [editorial] Van Praag HM. **Psychol Med** 1991 Feb;21(1):15–9 (39 ref.)
Habituation deficits, serotonergic function, and schizophrenia: new animal model data. Braff DL, et al. **Psychopharmacol Bull** 1988;24(3):426–30 (19 ref.)
Gonadal hormones and antihormones, serotonin and mood. Halbreich U. **Psychopharmacol Bull** 1990;26(3):291–5 (15 ref.)
Serotonin, memory, and the aging brain. McEntee WJ, et al. **Psychopharmacology (Berl)** 1991;103(2):143–9 (85 ref.)
5–HT—crossing a new frontier. **S Afr Med J** 1990 Nov 3; Suppl:1–9 (0 ref.)
Neuropharmacological analysis of the role of indoleamine–accumulating amacrine cells in the rabbit retina. Brunken WJ, et al. **Vis Neurosci** 1988;1(3):275–85 (48 ref.)
[The serotonin hypothesis of depression (published erratum appears in Fortschr Neurol Psychiatr 1991 May;59(5):201)] Lesch KP, et al. **Fortschr Neurol Psychiatr** 1990 Nov; 58(11):427–38 (110 ref.) (Eng. Abstr.) **(Ger)**
[Serotonin and eating disorders] Nutzinger DO, et al. **Nervenarzt** 1991 Mar;62(3):198–201 (35 ref.) **(Ger)**
[The pharmacology of central serotonergic neural transmission systems] Fischer W. **Pharm Unserer Zeit** 1991 Jan;20(1):21–31 (15 ref.) **(Ger)**

SEROTONIN ANTAGONISTS

Cisapride: a new class of prokinetic agent. The ACG Committee on FDA–related matters. American College of Gastroenterology. McCallum RW. **Am J Gastroenterol** 1991 Feb;86(2):135–49 (80 ref.)
Batanopride (BMY–25801): a new 5–HT3 receptor antagonist for the prevention of cancer chemotherapy–induced emesis. Smaldone L, et al. **Cancer Treat Rev** 1990 Sep; 17(2–3):319–27 (11 ref.)
Do classical hallucinogens act as 5–HT2 agonists or antagonists? Glennon RA. **Neuropsychopharmacology** 1990 Oct–Dec;3(5–6):509–17 (69 ref.)

CHEMICAL SYNTHESIS

[Development of a new gastrointestinal prokinetic; pharmacology of cisapride] Van Nueten JM, et al. **J Pharm Belg** 1991 Jan–Feb;46(1):17–22 (17 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Serotonin, hypertension and vascular disease. Vanhoutte PM. **Neth J Med** 1991 Feb;38(1–2):35–42 (46 ref.)

PHARMACOLOGY

Serotonin uptake and serotonin uptake inhibition. Fuller RW, et al. **Ann N Y Acad Sci** 1990;600:68–78; discussion 79–80 (87 ref.)
Cardiovascular effects of serotonin agonists and antagonists. Saxena PR, et al. **J Cardiovasc Pharmacol** 1990;15 Suppl 7:S17–34 (203 ref.)
The effects of sertraline on psychomotor performance in elderly volunteers. Hindmarch I, et al. **J Clin Psychiatry** 1990 Dec;51 Suppl B:34–6 (9 ref.)
Preclinical pharmacology of sertraline: a potent and specific inhibitor of serotonin reuptake. Koe BK. **J Clin Psychiatry** 1990 Dec;51 Suppl B:13–7 (24 ref.)
Clinical overview of serotonin reuptake inhibitors. Rickels K, et al. **J Clin Psychiatry** 1990 Dec;51 Suppl B:9–12 (13 ref.)
5HT3–antagonist receptors: their role in drug–induced emesis. Dieras V, et al. **Nouv Rev Fr Hematol** 1990; 32(6):449–52 (11 ref.)

THERAPEUTIC USE

The marketing of 5–hydroxytryptamine: depression or anxiety? Healy D. **Br J Psychiatry** 1991 Jun;158:737–42 (44 ref.)
Antiemetic action of 5–HT3 receptor antagonists: review of preclinical and clinical results with ICS 205–930. Gamse R. **Cancer Treat Rev** 1990 Sep;17(2–3):301–5 (20 ref.)
Antiemetic control: 5–HT3 antagonists: review of clinical results, with particular emphasis on ondansetron. Kidgell AE, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):311–7 (20 ref.)
Granisetron (BRL 43694) in the treatment of cytostatic drug–induced emesis: a summary. Pintens H. **Cancer Treat Rev** 1990 Sep;17(2–3):307–10 (4 ref.)
Serotonin antagonists and vascular protection. Doyle AE. **Cardiovasc Drugs Ther** 1990 Jan;4 Suppl 1:13–8 (15 ref.)
Serotonergic antagonists and vascular disease. Vanhoutte PM. **Cardiovasc Drugs Ther** 1990 Jan;4 Suppl 1:7–12 (24 ref.)
Gastrointestinal receptors and drugs in motility disorders. Ruoff HJ, et al. **Digestion** 1991;48(1):1–17 (132 ref.)
Gastric emptying in gastroesophageal reflux and the therapeutic role of prokinetic agents. McCallum RW. **Gastroenterol Clin North Am** 1990 Sep;19(3):551–64 (57 ref.)
5–Hydroxytryptamine (serotonin) subtype 3 antagonists, a major step in prophylaxis and control of cytostatic and radiation–induced emesis. Bremer K. **J Cancer Res Clin Oncol** 1991;117(1):85–7 (25 ref.)
5–HT3 receptor antagonists and migraine therapy. Ferrari MD. **J Neurol** 1991;238 Suppl 1:S53–6 (43 ref.)
5–HT2 receptor antagonists and migraine therapy. Mylecharane EJ. **J Neurol** 1991;238 Suppl 1:S45–52 (68 ref.)
Obsessive–compulsive disorder and its treatment with serotonin–selective agents. Murphy DL, et al. **Prog Clin Biol Res** 1990;361:179–201 (64 ref.)
5–hydroxytryptamine–3 antagonists: a new class of potent antiemetics in cancer therapy. Soukop M. **Recent Results Cancer Res** 1991;121:86–90 (12 ref.)
Reflux esophagitis. Tytgat GN, et al. **Scand J Gastroenterol Suppl** 1990;175:1–12 (64 ref.)
Serotonin antagonists in the management of cisplatin–induced emesis. Perez EA, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):73–80 (53 ref.)
Recent developments in the management of emesis with the 5–HT3 antagonist granisetron. Button D. **Semin Oncol Nurs** 1990 Nov;6(4 Suppl 1):14–9 (21 ref.)
[Drug treatment of compulsive disorder] Rapoport JL. **Nervenarzt** 1991 May;62(5):318–20 (28 ref.) **(Ger)**

SEROTONIN BLOCKADERS see **SEROTONIN ANTAGONISTS**

SEROTONIN RECEPTORS see **RECEPTORS, SEROTONIN**

SEROTYPING

METHODS

State of the art in typing: Klebsiella spp. Ayling–Smith B, et al. **J Hosp Infect** 1990 Nov;16(4):287–95 (48 ref.)

SEROUS MEMBRANE

Malignant mesothelioma of the tunica vaginalis. Kamiya M, et al. **Pathol Res Pract** 1990 Oct;186(5):680–4; discussion 685–6 (32 ref.)

SERPIN SUPERFAMILY see **SERPINS**

SERPINS

CHEMISTRY

Structures and models of native serpins. Bock SC. **Protein Eng** 1990 Dec;4(2):107–8 (16 ref.)

SERTOLI CELL TUMOR

DIAGNOSIS

[A giant Sertoli–Leydig cell tumor. A case report] Plascencia Moncayo N. **Ginecol Obstet Mex** 1987 Apr;55:115–7 (10 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Metastasizing Sertoli cell tumours of the human testis—a report of two cases and a review of the literature [letter] Lindegaard Madsen E, et al. **Acta Oncol** 1990;29(7):946–9 (25 ref.)

SERTOLI CELLS

SECRETION

[Sertoli cell secretion] Banek L, et al. **Lijec Vjesn** 1990 Jul–Aug;112(7–8):258–61 (43 ref.) (Eng. Abstr.) **(Scr)**

SERUM A RELATED PROTEIN see **AMYLOID PROTEIN SAA**

SERUM ALBUMIN

Serum albumin beads possessing slow–release properties for vaccines. Newman JF. **Adv Biotechnol Processes** 1990; 14:129–46 (47 ref.)
Use of albumin in a university hospital: the value of targeted physician intervention. Stumpf JL, et al. **DICP** 1991 Mar; 25(3):239–43 (17 ref.)

DIAGNOSTIC USE

Cardiac blood–pool tracers [editorial; comment] Subramanian KM. **J Nucl Med** 1991 Mar;32(3):480–2 (12 ref.) Comment on: J Nucl Med 1991 Mar;32(3):475–80.

METABOLISM

Interactions of albumin and medications. Doweiko JP, et al. **JPEN J Parenter Enteral Nutr** 1991 Mar–Apr;15(2):212–4 (25 ref.)
[Heterogeneity of serum albumin] Sorkina DA. **Vopr Med Khim** 1991 Mar–Apr;37(2):14–7 (50 ref.) **(Rus)**

PHYSIOLOGY

Role of albumin in human physiology and pathophysiology. Doweiko JP, et al. **JPEN J Parenter Enteral Nutr** 1991 Mar-Apr;15(2):207-11 (58 ref.)

The role of albumin in human physiology and pathophysiology, Part III: Albumin and disease states. Doweiko JP, et al. **JPEN J Parenter Enteral Nutr** 1991 Jul-Aug;15(4):476-83 (135 ref.)

THERAPEUTIC USE

Use of albumin as a volume expander. Doweiko JP, et al. **JPEN J Parenter Enteral Nutr** 1991 Jul-Aug;15(4):484-7 (61 ref.)

SERUM ALBUMIN, RADIO-IODINATED

DIAGNOSTIC USE

The use of radionuclide techniques in the assessment of alveolar-capillary membrane permeability on the intensive care unit. Hunter DN, et al. **Intensive Care Med** 1990; 16(6):363-71 (62 ref.)

SERUM AMYLOID PROTEIN A see **AMYLOID PROTEIN SAA**

SERUM PROTEINS see **BLOOD PROTEINS**

SERYL T RNA SYNTHETASE

CHEMISTRY

Escherichia coli seryl-tRNA synthetase: the structure of a class 2 aminoacyl-tRNA synthetase. Leberman R, et al. **Biochim Biophys Acta** 1991 Jul 23;1089(3):287-98 (51 ref.)

SESAMOID BONES

Sesamoid disorders and treatment. An update. Leventen EO. **Clin Orthop** 1991 Aug;(269):236-40 (11 ref.)

INJURIES

Symptomatic bipartite sesamoids. Frankel JP, et al. **J Foot Surg** 1990 Jul-Aug;29(4):318-23 (30 ref.)

Great toe sesamoid injuries in the athlete. Dietzen CJ. **Orthop Rev** 1990 Nov;19(11):966-72 (8 ref.)

PATHOLOGY

Sesamoids and accessory bones of the foot. Dennis KJ, et al. **Clin Podiatr Med Surg** 1990 Oct;7(4):717-23 (20 ref.)

SURGERY

Minimal incision surgical approach to sesamoid pathology. Bartel PF. **Clin Podiatr Med Surg** 1991 Jan;8(1):49-61 (9 ref.)

SESQUITERPENES

ADVERSE EFFECTS

[Eczema caused by contact with sesquiterpene lactones of plants] Sourisse M, et al. **Ann Dermatol Venereol** 1990; 117(9):651-6 (24 ref.) **(Fre)**

METABOLISM

Metabolism of antimalarial sesquiterpene lactones. Lee IS, et al. **Pharmacol Ther** 1990;48(3):345-55 (58 ref.)

SET (PSYCHOLOGY)

Orienting reaction, organizing for action, and emotional processes. Latash LP. **Pavlov J Biol Sci** 1990 Jul-Sep; 25(3):123-9; discussion 129-31 (27 ref.)

Alcoholism and memory: broadening the scope of alcohol-expectancy research [see comments] Goldman MS, et al. **Psychol Bull** 1991 Jul;110(1):137-46 (90 ref.) Comment in: Psychol Bull 1991 Jul;110(1):147-54.

On the scope of alcohol expectancy research: remaining issues of measurement and meaning [comment] Leigh BC, et al. **Psychol Bull** 1991 Jul;110(1):147-54 (60 ref.) Comment on: Psychol Bull 1991 Jul;110(1):137-46.

SEVERITY OF ILLNESS INDEX

Relationship of inflammatory cell cytokines to disease severity in individuals with occupational inorganic dust exposure. Rom WN. **Am J Ind Med** 1991;19(1):15-27 (50 ref.)

The asthma clinical score and oxygen saturation. Dawson KP. **Aust Clin Rev** 1991;11(1-2):20-1 (7 ref.)

Predicting outcome in critical care: the current status of the APACHE prognostic scoring system. Wong DT, et al. **Can J Anaesth** 1991 Apr;38(3):374-83 (42 ref.)

Development of a staging system for chemotherapy-induced stomatitis. Western Consortium for Cancer Nursing Research. **Cancer Nurs** 1991 Feb;14(1):6-12 (30 ref.)

Measurement of activity in Crohn's disease. Bartholomeusz FD, et al. **J Gastroenterol Hepatol** 1989 Jan-Feb;4(1):81-94 (103 ref.)

Indices of severity and disease activity for osteoarthritis. Lequesne M. **Semin Arthritis Rheum** 1991 Jun;20(6 Suppl 2):48-54 (22 ref.)

[Scoring systems for severe intra-abdominal infections] Krenzien J, et al. **Zentralbl Chir** 1990;115(17):1065-79 (59 ref.) (Eng. Abstr.) **(Ger)**

[Patient status evaluation using severity scores in the general intensive care unit] Gurman G, et al. **Harefuah** 1990 Aug; 119(3-4):101-3 (20 ref.) **(Heb)**

[Productivity of using the concept of prognosis] Vlasov VV. **Sov Med** 1990;(12):35-7 (22 ref.) **(Rus)**

SEWAGE

The behaviour of heavy metals in sewage sludge-amended soils. Alloway BJ, et al. **Sci Total Environ** 1991 Mar;100 Spec No:151-76 (132 ref.)

Sewage sludge as a source of environmental selenium. Cappon CJ. **Sci Total Environ** 1991 Mar;100 Spec No:177-205 (97 ref.)

Environmental aspects of Campylobacter infections. Stelzer W, et al. **Zentralbl Mikrobiol** 1991;146(1):3-15 (51 ref.)

SEX

see related
LIBIDO
PSYCHOSEXUAL DEVELOPMENT

Sexual discordance in monozygotic twins. Perlman EJ, et al. **Am J Med Genet** 1990 Dec;37(4):551-7 (42 ref.)

Gender-related differences in xenobiotic metabolism. Bonate PL. **J Clin Pharmacol** 1991 Aug;31(8):684-90 (59 ref.)

SEX ATTRACTANTS

PHYSIOLOGY

Sexual pheromones in the domestic sheep: importance and limits in the regulation of reproductive physiology. Signoret JP. **J Steroid Biochem Mol Biol** 1991 Oct; 39(4B):639-45 (25 ref.)

SEX BEHAVIOR

The impact of breast cancer on sexuality, body image, and intimate relationships. Schover LR. **CA** 1991 Mar-Apr; 41(2):112-20 (35 ref.)

The screening sexual history. Getting to the problem. Cheadle MJ. **Clin Geriatr Med** 1991 Feb;7(1):9-13 (3 ref.)

Sexuality and aging. An overview. Comfort A, et al. **Clin Geriatr Med** 1991 Feb;7(1):1-7 (0 ref.)

Sexuality in dependent living situations. Mulligan T, et al. **Clin Geriatr Med** 1991 Feb;7(1):153-60 (17 ref.)

Adolescent sexuality in Kenya. Ojwang SB, et al. **East Afr Med J** 1991 Feb;68(2):74-80 (25 ref.)

Pornography, erotica, and behavior: more questions than answers. Fisher WA, et al. **Int J Law Psychiatry** 1991; 14(1-2):65-83 (100 ref.)

Populations at increased risk of HIV infection: current knowledge and limitations. Gibbs DA, et al. **J Acquir Immune Defic Syndr** 1991;4(9):881-9 (30 ref.)

Adolescent pregnancy: the clinician's role in intervention. Zabin LS. **J Gen Intern Med** 1990 Sep-Oct;5(5 Suppl):S81-8 (34 ref.)

On psychotherapist-patient sex: discussion paper. Palermo GB. **J R Soc Med** 1990 Nov;83(11):715-9 (30 ref.)

Emotional well-being, sexual behaviour and hormone replacement therapy. Hunter MS. **Maturitas** 1990 Sep; 12(3):299-314 (108 ref.)

AIDS risk in the chronically mentally ill: clinical strategies for prevention. Brady SM, et al. **New Dir Ment Health Serv** 1990 Winter;(48):83-95 (31 ref.)

Sexuality and reproduction in spinal cord injured women. Nygaard I, et al. **Obstet Gynecol Surv** 1990 Nov; 45(11):727-32 (20 ref.)

Adolescent sexuality: current issues. Bidwell RJ, et al. **Pediatr Ann** 1991 Jun;20(6):293-4, 297-300, 302 (26 ref.)

Adolescent sexuality: overview and implications for the pediatrician. Fisher M. **Pediatr Ann** 1991 Jun;20(6):285-9 (33 ref.)

Sexual functioning in the medically ill patient. Wise TN. **Psychiatr Med** 1990;8(4):65-73 (50 ref.)

Methodological problems in AIDS behavioral research: influences on measurement error and participation bias in studies of sexual behavior. Catania JA, et al. **Psychol Bull** 1990 Nov;108(3):339-62 (120 ref.)

Crack, sex, and STD. Marx R, et al. **Sex Transm Dis** 1991 Apr-Jun;18(2):92-101 (84 ref.)

AIDS survey methodology with black Americans. Mays VM, et al. **Soc Sci Med** 1991;33(1):47-54 (45 ref.)

Sexual conquest and patterns of black-on-black violence: a structural-cultural perspective. Oliver W. **Violence Vict** 1989 Winter;4(4):257-73 (105 ref.)

[Female sexuality before and after AIDS] Santos-Ortiz MC. **P R Health Sci J** 1990 Apr;9(1):33-5 (33 ref.) **(Spa)**

DRUG EFFECTS

The role of medications in geriatric sexual function. Deamer RL, et al. **Clin Geriatr Med** 1991 Feb;7(1):95-111 (46 ref.)

Alcohol expectancies and male sexuality: review and implications for sex therapy. Roehrich L, et al. **J Sex Marital Ther** 1991 Spring;17(1):45-54 (48 ref.)

PHYSIOLOGY

Endocrine factors in geriatric sexuality. Morley JE. **Clin Geriatr Med** 1991 Feb;7(1):85-93 (48 ref.)

The impact of spinal cord injury on female sexuality, menstruation and pregnancy: a review of the literature. Sipski ML. **J Am Paraplegia Soc** 1991 Jul;14(3):122-6 (32 ref.)

STATISTICS & NUMERICAL DATA

AIDS and heterosexual anal intercourse. Voeller B. **Arch Sex Behav** 1991 Jun;20(3):233-76 (231 ref.)

SEX BEHAVIOR, ANIMAL

Serotonin receptor subtypes and sexual behavior. Gorzalka BB, et al. **Ann N Y Acad Sci** 1990;600:435-44; discussion 445-6 (106 ref.)

PHYSIOLOGY

Hormonal regulation of sociosexual behavior in female mammals. Takahashi LK. **Neurosci Biobehav Rev** 1990 Winter;14(4):403-13 (191 ref.)

SEX CHARACTERISTICS

Molecular basis of androgen regulation of male phenotypic variation. Catterall JF, et al. **Ann N Y Acad Sci** 1991; 626:92-100 (16 ref.)

Sex differentials in susceptibility to lymphatic filariasis and implications for maternal child immunity. Brabin L. **Epidemiol Infect** 1990 Oct;105(2):335-53 (78 ref.)

Methodology of sodium sensitivity assessment. The example of age and sex. Grobbee DE. **Hypertension** 1991 Jan;17(1 Suppl):I109-14 (46 ref.)

Interferon-gamma and the sexual dimorphism of autoimmunity. Sarvetnick N, et al. **Mol Biol Med** 1990 Aug; 7(4):323-31 (66 ref.)

Sex determination and the generation of sexually dimorphic nervous systems. Hodgkin J. **Neuron** 1991 Feb;6(2):177-85 (58 ref.)

Gonadal hormones, sex and behavior. Halbreich U, et al. **Psychopharmacol Bull** 1990;26(3):297-301 (20 ref.)

[Imprinting of cytochrome P-450 and regulation of expression of its sex isoforms in the rat liver] Kobliakov VA, et al. **Vopr Onkol** 1990;36(12):1418-28 (69 ref.) **(Rus)**

[The ontogeny of imprinting and of the expression of the sexual differentiation of liver functions] Rozen VB, et al. **Zh Evol Biokhim Fiziol** 1990 Sep-Oct;26(5):707-13 (22 ref.) **(Rus)**

SEX CHROMATIN

see related
SEX DETERMINATION

[Duchenne muscular dystrophy carrier presenting with mosaic X chromosome constitution and muscular symptoms--with analysis of the barr bodies in the muscle] Kinoshita M, et al. **Rinsho Shinkeigaku** 1990 Jun; 30(6):643-6 (15 ref.) (Eng. Abstr.) **(Jpn)**

SEX CHROMOSOME ABNORMALITIES

Penta X syndrome: a case report with review of the literature. Kassai R, et al. **Am J Med Genet** 1991 Jul 1;40(1):51-6 (25 ref.)

Gonadal malignancy in individuals with sex chromosome anomalies. Müller J, et al. **Birth Defects** 1990;26(4):247-55 (25 ref.)

DIAGNOSIS

Recent advances in molecular biology of childhood and adolescent gynecologic disorders. Plouffe L Jr. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):242-9 (35 ref.)

GENETICS

Dermatomyositis-like syndrome in X-linked hypogammaglobulinemia. Case-report and review of the literature. Thyss A, et al. **Acta Derm Venereol (Stockh)** 1990;70(4):309-13 (20 ref.)

Mosaicism 45,X/46,X, t dic(Xp:Xp) in a girl with short stature. Abulhasan SJ, et al. **Ann Genet** 1990;33(4):234-8 (19 ref.)

The human X chromosome. Hamerton JL. **Birth Defects** 1990;26(4):283-7 (17 ref.)

Mosaic 46, XY/47,XY, + der(18)t(Y;18)(q11.22;q11.2) karyotype, moderate mental retardation and non-specific dysmorphism. Fryns JP, et al. **Genet Couns** 1990;1(2):173-7 (10 ref.)

Corpus callosum agenesis, spastic quadriparesis and irregular lining of the lateral ventricles on CT-scan. A distinct X-linked mental retardation syndrome? Vles JS, et al. **Genet Couns** 1990;1(2):97-102 (19 ref.)

The critical region on the human Xq. Therman E, et al. **Hum Genet** 1990 Oct;85(5):455-61 (105 ref.)

The Xlr (X-linked lymphocyte regulated) gene family (a candidate locus for an X-linked primary immune deficiency). Garchon HJ. **Immunodefic Rev** 1991; 2(4):283-302 (53 ref.)

SEX CHROMOSOMES

On evolutionarily conserved simple repetitive DNA sequences: do "sex-specific" satellite components serve any sequence dependent function? Epple JT, et al. **Differentiation** 1983;23 Suppl:S60-3 (18 ref.)

Aberrant sex chromosome mechanisms in mammals. Evolutionary aspects. Fredga K. **Differentiation** 1983;23 Suppl:S23-30 (58 ref.)

Evolutionary conservation of sex specific DNA sequences. Jones KW. **Differentiation** 1983;23 Suppl:S56-9 (24 ref.)

Evolution of sex chromosomes and heterogametic systems in amphibia. Schmid M. **Differentiation** 1983;23 Suppl:S13-22 (48 ref.)

Genetic and epigenetic regulation of craniofacial development. Varrela J. **Proc Finn Dent Soc** 1991; 87(2):239-44 (44 ref.)

PHYSIOLOGY

Sex chromosome expression in embryonic development. Epstein CJ. **Differentiation** 1983;23 Suppl:S31-4 (34 ref.)

The differential roles of parental genomes in mammalian development. Norris ML, et al. **Oxf Rev Reprod Biol** 1990; 12:225-44 (85 ref.)

The evolution of sex chromosomes. Charlesworth B. **Science** 1991 Mar 1;251(4997):1030-3 (27 ref.)

SEX COUNSELING

Alcohol expectancies and male sexuality: review and implications for sex therapy. Roehrich L, et al. **J Sex Marital Ther** 1991 Spring;17(1):45-54 (48 ref.)

Sexuality: an unknown word for patients with a stoma? Wells RJ. **Recent Results Cancer Res** 1991;121:115-20 (10 ref.)

In treating impotence, urology and sex therapy are complementary. Krauss DJ, et al. **Urology** 1990 Nov; 36(5):467-70 (8 ref.)

SEX DETERMINATION

X-linked gene expression and sex determination in Caenorhabditis elegans. Meneely PM. **Bioessays** 1990 Nov; 12(11):513-8 (29 ref.)

Sex determination in mammals. How many genes are involved? Bianchi NO. **Biol Reprod** 1991 Mar;44(3):393-7 (46 ref.)

Sex, maps, and imprinting. Thomas BJ, et al. **Cell** 1991 Jan 11;64(1):1-3 (23 ref.)

How do you get sex? Mittwoch U, et al. **J Endocrinol** 1991 Mar;128(3):329-31 (28 ref.)

Environmental sex determination in reptiles: ecology, evolution, and experimental design. Janzen FJ, et al. **Q Rev Biol** 1991 Jun;66(2):149-79 (238 ref.)

Y or X--which determines sex? [news] Graves JA, et al. **Reprod Fertil Dev** 1990;2(6):729-35 (35 ref.)

The etiology of XX sex reversal. de la Chapelle A, et al. **Reprod Nutr Dev** 1990;Suppl 1:39s-49s (30 ref.)

The evolution of sex chromosomes. Charlesworth B. **Science** 1991 Mar 1;251(4997):1030-3 (27 ref.)

Germ-line sex determination in Drosophila melanogaster. Pauli D, et al. **Trends Genet** 1990 Aug;6(8):259-64 (42 ref.)

Avian endoscopy. Satterfield WC. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1353-67 (20 ref.)

[Role of chromosome Y in sex determination (editorial)] Petit C. **Presse Med** 1991 Mar 30;20(12):539-40 (9 ref.) **(Fre)**

[The Y chromosome and sex determination] Weissenbach J, et al. **Reprod Nutr Dev** 1990;Suppl 1:27s-38s (65 ref.) (Eng. Abstr.) **(Fre)**

[Recent developments of sex determination using various skeletal sections] Leopold D, et al. **Beitr Gerichtl Med** 1990; 48:31-6 (32 ref.) (Eng. Abstr.) **(Ger)**

[Sex-determination in Drosophila melanogaster: mechanism of sex-specific splicing] Inoue K, et al. **Tanpakushitsu Kakusan Koso** 1991 Jun;36(8):1487-96 (25 ref.) **(Jpn)**

SEX DEVIATIONS see **PARAPHILIAS**

SEX DIFFERENCES see **SEX CHARACTERISTICS**

SEX DIFFERENTIATION

Sexual differentiation in malaria parasites. Alano P, et al. **Annu Rev Microbiol** 1990;44:429-49 (106 ref.)

Structural proteins in sexual differentiation of embryonic gonads. Fröjdman K, et al. **Int J Dev Biol** 1989 Mar; 33(1):99-103 (26 ref.)

Gonadal differentiation: a review of the physiological process and influencing factors based on recent experimental evidence. Blyth B, et al. **J Urol** 1991 Apr;145(4):689-94 (45 ref.)

GENETICS

Testicular differentiation--a developmental cascade. Morphogenetic effects of H-Y antigen and testosterone in the male mammalian gonad. Müller U, et al. **Differentiation** 1983;23 Suppl:S99-103 (60 ref.)

X-linked genes and gonadal differentiation. Wolf U. **Differentiation** 1983;23 Suppl:S104-6 (18 ref.)

PHYSIOLOGY

Effects and role of estrogens in avian gonadal differentiation. Scheib D. **Differentiation** 1983;23 Suppl:S87-92 (69 ref.)

Structural aspects of gonadal differentiation in mammals and birds. Wartenberg H. **Differentiation** 1983;23 Suppl:S64-71 (37 ref.)

Application of organization-activation theory to alternative male reproductive strategies: a review. Moore MC. **Horm Behav** 1991 Jun;25(2):154-79 (58 ref.)

Environmental sex determination in reptiles: ecology, evolution, and experimental design. Janzen FJ, et al. **Q Rev Biol** 1991 Jun;66(2):149-79 (238 ref.)

SEX DIFFERENTIATION DISORDERS

see related
TRANSSEXUALISM

GENETICS

The etiology of XX sex reversal. de la Chapelle A, et al. **Reprod Nutr Dev** 1990;Suppl 1:39s-49s (30 ref.)

PSYCHOLOGY

Disorders of sexual differentiation and development. Psychological aspects. McCauley E. **Pediatr Clin North Am** 1990 Dec;37(6):1405-20 (65 ref.)

SEX DIMORPHISM see **SEX CHARACTERISTICS**

SEX DISORDERS

CHEMICALLY INDUCED

The role of medications in geriatric sexual function. Deamer RL, et al. **Clin Geriatr Med** 1991 Feb;7(1):95-111 (46 ref.)

[Psychotropic drugs and sexuality] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1990 Nov;148(9):782-8 (27 ref.) **(Fre)**

DIAGNOSIS

Office evaluation of sexual function and complaints. Kligman EW. **Clin Geriatr Med** 1991 Feb;7(1):15-39 (59 ref.)

ETIOLOGY

Gynecologic factors in sexual dysfunction of the older woman. Goldstein MK, et al. **Clin Geriatr Med** 1991 Feb; 7(1):41-61 (57 ref.)

Geriatric sexuality and chronic diseases. Mooradian AD. **Clin Geriatr Med** 1991 Feb;7(1):113-31 (120 ref.)

Evaluation and treatment of erectile dysfunction following spinal cord injury: a review. Linsenmeyer TA. **J Am Paraplegia Soc** 1991 Apr;14(2):43-51 (65 ref.)

How cancer affects sexual functioning. Andersen BL. **Oncology (Williston Park)** 1990 Jun;4(6):81-8; discussion 92-4 (30 ref.)

[Disseminated sclerosis: sexual and obstetrical aspects] Stenager E, et al. **Nord Med** 1991;106(2):45-7 (15 ref.) (Eng. Abstr.) **(Dan)**

PSYCHOLOGY

Psychologic disorder and sexual dysfunction in elders. Zeiss RA, et al. **Clin Geriatr Med** 1991 Feb;7(1):133-51 (42 ref.)

THERAPY

Counseling and therapy for sexual problems in the elderly. LoPiccolo J. **Clin Geriatr Med** 1991 Feb;7(1):161-79 (29 ref.)

SEX EDUCATION

[Differentiated educational programs on AIDS prevention at the U.S. schools (review)] Sokhin AA. **Sov Zdravookhr** 1990;(10):58-64 (30 ref.) **(Rus)**

METHODS

[Female sexuality before and after AIDS] Santos-Ortiz MC. **P R Health Sci J** 1990 Apr;9(1):33-5 (33 ref.) **(Spa)**

SEX FACTORS

Race/gender issues in the sexual transmission of AIDS. Fullilove MT, et al. **AIDS Clin Rev** 1990;:25-62 (207 ref.)

SEX HORMONE-BINDING GLOBULIN

PHYSIOLOGY

Sex hormone binding globulin: origin, function and clinical significance. Selby C. **Ann Clin Biochem** 1990 Nov;27 (Pt 6):532-41 (103 ref.)

SEX HORMONES

Sex steroids and cluster headache: hypotheses. Polleri A. **Cephalalgia** 1990 Aug;10(4):183-7 (39 ref.)

Sex, sex hormones and chronic liver diseases. Becker U, et al. **Dig Dis** 1991;9(1):9-16 (52 ref.)

BLOOD

Endocrinology in luteal phase and implantation. Smitz J, et al. **Br Med Bull** 1990 Jul;46(3):709-19 (41 ref.)

Sex hormones and coronary disease: a review of the clinical studies. Kalin MF, et al. **Steroids** 1990 Aug;55(8):330-52 (269 ref.)

[Ovarian hormones and cutaneous aging] de Lignières B. **Rev Fr Gynecol Obstet** 1991 Jun;86(6):451-4 (8 ref.) (Eng. Abstr.) **(Fre)**

[Endocrinology of the peri- and postmenopausal period] von Holst T. **Zentralbl Gynakol** 1991;113(5):237-44 (11 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Sex hormones and pancreatic cancer. Andrén-Sandberg A, et al. **Baillieres Clin Gastroenterol** 1990 Dec;4(4):941-52 (91 ref.)

Western diet and Western diseases: some hormonal and biochemical mechanisms and associations. Adlercreutz H. **Scand J Clin Lab Invest Suppl** 1990;201:3-23 (166 ref.)

Sex hormone-related and growth hormone-related alopecias. Schmeitzel LP. **Vet Clin North Am Small Anim Pract** 1990 Nov;20(6):1579-601 (79 ref.)

PHARMACOLOGY

Influence of sex hormones on pancreatic cancer. Andrén-Sandberg A, et al. **Int J Pancreatol** 1990 Aug-Nov;7(1-3):167-76 (54 ref.)

PHYSIOLOGY

Neuromodulatory regulation of gonadotropin-releasing hormone pulsatile discharge in women. Jaffe RB, et al. **Am J Obstet Gynecol** 1990 Nov;163(5 Pt 2):1727-31 (42 ref.)

The lymphatics and lymphoreticular tissues in relation to the action of sex hormones. Kotani M. **Arch Histol Cytol** 1990; 53 Suppl:1-76 (367 ref.)

Sex hormones and the immune system--Part 2. Animal data. Ahmed SA, et al. **Baillieres Clin Rheumatol** 1990 Apr; 4(1):13-31 (104 ref.)

Sex hormones and the immune system--Part 1. Human data. Lahita RG. **Baillieres Clin Rheumatol** 1990 Apr;4(1):1-12 (96 ref.)

Recent advances in understanding of normal hormone mechanisms of the female reproductive system. Hague WM, et al. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):361-9 (25 ref.)

Meningiomas and sex hormones. Davis C. **Eur J Cancer** 1990; 26(8):859-60 (11 ref.)

Application of organization-activation theory to alternative male reproductive strategies: a review. Moore MC. **Horm Behav** 1991 Jun;25(2):154-79 (58 ref.)

Embryonic sex hormones in birds. Weniger JP. **Int J Dev Biol** 1991 Mar;35(1):1-7 (101 ref.)

Hormonal steroids act as tumour promoters by modulating oncogene expression [editorial] Sekeris CE. **J Cancer Res Clin Oncol** 1991;117(2):96-101 (30 ref.)

Hormonal regulation of sociosexual behavior in female mammals. Takahashi LK. **Neurosci Biobehav Rev** 1990 Winter;14(4):403-13 (191 ref.)

Clinical manifestations of hormonal changes in the menstrual cycle. Bates GW, et al. **Obstet Gynecol Clin North Am** 1990 Jun;17(2):299-310 (16 ref.)

THERAPEUTIC USE

[Hormone treatment of benign breast diseases] Mauvais-Jarvis P. **Bull Cancer (Paris)** 1991;78(4):365-71 (30 ref.) **(Fre)**

[Hormone therapy of breast carcinoma in men] Doberauer C, et al. **Dtsch Med Wochenschr** 1990 Nov 16; 115(46):1762-8 (62 ref.) **(Ger)**

TOXICITY

Early indicators for carcinogenesis in sex-hormone-sensitive organs. Neumann F. **Mutat Res** 1991 Jun;248(2):341-56 (33 ref.)

SEX MATURATION

Pubertal growth and sexual maturation for adolescents with chronic illness or disability. Rosen DS. **Pediatrician** 1991; 18(2):105-20 (170 ref.)

[Relationship between sexual maturation and subcutaneous fat] García Llop LA, et al. **An Esp Pediatr** 1990 Oct; 33(4):349-53 (33 ref.) (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Testicular function of sexually immature rats chronically treated with melatonin. Olivares AN, et al. **Arch Biol Med Exp (Santiago)** 1989 Dec;22(4):387-93 (22 ref.)

[Effects and side effects of estrogens and gestagens in pediatric and adolescent gynecology] Lauritzen C. **Monatsschr Kinderheilkd** 1990 Oct;138(10):651-5 (0 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Ontogenic studies of the neural control of adenohypophyseal hormones in the rat: gonadotropins. Becú-Villalobos D,

et al. **Cell Mol Neurobiol** 1990 Dec;10(4):473–84 (86 ref.)
The mystery of mammalian puberty: how much more do we know? Ojeda SR. **Perspect Biol Med** 1991 Spring; 34(3):365–83 (60 ref.)
Nutrition and the development of replacement heifers. Rice LE. **Vet Clin North Am Food Anim Pract** 1991 Mar; 7(1):27–39 (59 ref.)

RADIATION EFFECTS

Growth and pubertal development in survivors of childhood cancer. Sklar CA. **Pediatrician** 1991;18(1):53–60 (61 ref.)

SEX OFFENSES

The pathology and medicolegal aspects of sexual activity. Eckert WG, et al. **Am J Forensic Med Pathol** 1991 Mar; 12(1):3–15 (30 ref.)
[Sexual violence as a sociomedical problem] Vasilev D. **Akush Ginekol (Sofiia)** 1990;29(4):67–71 (12 ref.) (Eng. Abstr.) **(Bul)**

LEGISLATION & JURISPRUDENCE

Sexual abuse and exploitation of children and adults with mental retardation and other handicaps. Tharinger D, et al. **Child Abuse Negl** 1990;14(3):301–12 (53 ref.)

PSYCHOLOGY

Sexually deviant behavior and schizotypy: a theoretical perspective with supportive data. Henderson MC, et al. **Psychiatr Q** 1990 Winter;61(4):273–84 (40 ref.)

STATISTICS & NUMERICAL DATA

Pornography, erotica, and behavior: more questions than answers. Fisher WA, et al. **Int J Law Psychiatry** 1991; 14(1–2):65–83 (100 ref.)

SEX PHEROMONES see **SEX ATTRACTANTS**

SEX PREDETERMINATION see **SEX PRESELECTION**

SEX PRESELECTION

[Selection of fetal sex: facts and myths] Seidman DS, et al. **Harefuah** 1990 Sep;119(5–6):144–6 (40 ref.) **(Heb)**
[Molecular mechanisms of regulating mammalian sex and problems of fractionating spermatozoa] Popov LS, et al. **Mol Biol (Mosk)** 1991 Jan–Feb;25(1):22–42 (125 ref.) (Eng. Abstr.) **(Rus)**

SEX RATIO

Sex ratios and hormones in HLA related rheumatic diseases. James WH. **Ann Rheum Dis** 1991 Jun;50(6):401–4 (44 ref.)

SEX REVERSAL, GONADAL

Sex reversal in the mouse. McLaren A. **Differentiation** 1983; 23 Suppl:S93–8 (40 ref.)

SEX ROLE see **GENDER IDENTITY**

SEX SELECTION see **SEX PRESELECTION**

SEXOLOGY see **SEX**

SEXUAL ABSTINENCE

Barrier contraceptives, spermicides, and periodic abstinence. Connell EB. **Curr Opin Obstet Gynecol** 1991 Aug; 3(4):477–81 (35 ref.)

SEXUAL ABUSE, CHILD see **CHILD ABUSE, SEXUAL**

SEXUAL DYSFUNCTIONS, PSYCHOLOGICAL see **PSYCHOSEXUAL DYSFUNCTIONS**

SEXUAL INTERCOURSE see **COITUS**

SEXUALLY TRANSMITTED DISEASES

Preventing fetal damage from sexually transmitted diseases. Minkoff HL. **Clin Obstet Gynecol** 1991 Jun;34(2):336–44 (29 ref.)
Sexually transmitted pelvic infections and vaginitis. McCune KK, et al. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):205–11 (13 ref.)
Sexually transmitted diseases of the colon, rectum, and anus. The challenge of the nineties. Wexner SD. **Dis Colon Rectum** 1990 Dec;33(12):1048–62 (161 ref.)
Gallagher lecture. Teenagers and sexual risk taking: the best of times and the worst of times. Cates W Jr. **J Adolesc Health** 1991 Mar;12(2):84–94 (55 ref.)
The "nuisance" sexually transmitted diseases: molluscum contagiosum, scabies, and crab lice. Billstein SA, et al. **Med Clin North Am** 1990 Nov;74(6):1487–505 (54 ref.)
Human papillomavirus infections of the genital tract. Brown DR, et al. **Med Clin North Am** 1990 Nov;74(6):1455–85 (162 ref.)
Sexually transmitted diseases in adolescents: update 1991. Rosenfeld WD. **Pediatr Ann** 1991 Jun;20(6):303–12 (28 ref.)
Sexually transmitted viral disease in women. Peaceman AM, et al. **Postgrad Med** 1991 Feb 1;89(2):133–40 (15 ref.)
Sexually transmitted diseases. Shahmanesh M. **Practitioner** 1990 Sep;234(1494):851–4 (9 ref.)
Sexually transmitted diseases. Chambers CV. **Prim Care** 1990 Dec;17(4):833–51 (74 ref.)
Acute epididymitis: etiology and therapy. Berger RE. **Semin Urol** 1991 Feb;9(1):28–31 (32 ref.)
Urethritis in men. Fowler JE Jr. **Semin Urol** 1991 Feb; 9(1):15–27 (87 ref.)
AIDS and human immunodeficiency virus infections: update 1990. Krieger JN. **Semin Urol** 1991 Feb;9(1):32–9 (18 ref.)
Vaginitis syndromes. Schaeffer AJ. **Semin Urol** 1991 Feb; 9(1):9–14 (15 ref.)
Sexually transmitted diseases: cutaneous lesions. Stein BS. **Semin Urol** 1991 Feb;9(1):2–8 (18 ref.)
[Sexually transmitted diseases] Kawamura N. **Nippon Hinyokika Gakkai Zasshi** 1991 Apr;82(4):525–40 (161 ref.) **(Jpn)**

COMPLICATIONS

Sexually transmitted diseases, pelvic inflammatory disease, and infertility: an epidemiologic update. Cates W Jr, et al. **Epidemiol Rev** 1990;12:199–220 (178 ref.)
Sexually transmitted arthritis syndromes. Keat A. **Med Clin North Am** 1990 Nov;74(6):1617–31 (96 ref.)
The interrelationship between human immunodeficiency virus infection and other sexually transmitted diseases. Moss GB, et al. **Med Clin North Am** 1990 Nov; 74(6):1647–60 (73 ref.)
Sexually transmitted causes of gastrointestinal symptoms in homosexual men. Rompalo A. **Med Clin North Am** 1990 Nov;74(6):1633–45 (90 ref.)
Crack, sex, and STD. Marx R, et al. **Sex Transm Dis** 1991 Apr–Jun;18(2):92–101 (84 ref.)

CONGENITAL

Clinical manifestations of perinatal sexually transmitted diseases. Rubel HR, et al. **J S C Med Assoc** 1991 May; 87(5):266–9 (11 ref.)

DIAGNOSIS

Molecular techniques in the diagnosis of human infectious diseases. Desselberger U, et al. **Genitourin Med** 1990 Oct; 66(5):313–23 (138 ref.)
[Current developments in anogenital HPV infections] Gross GE. **Hautarzt** 1990 Oct;41(10):527–36 (46 ref.) (Eng. Abstr.) **(Ger)**
[Ulcerating, anal lesions—sexually transmissible diseases] Geile D, et al. **Z Gastroenterol Verh** 1991 Mar;26:181–5 (0 ref.) **(Ger)**

DRUG THERAPY

The clinical experience with ofloxacin in the treatment of sexually transmitted diseases. Corrado ML. **Am J Obstet Gynecol** 1991 May;164(5 Pt 2):1396–9 (34 ref.)
Therapeutic update of common STDs. Saha GC. **Indian J Dermatol** 1990 Mar;35(1):49–52 (8 ref.)

EPIDEMIOLOGY

Epidemiology of sexually transmitted diseases: the global picture. De Schryver A, et al. **Bull World Health Organ** 1990;68(5):639–54 (138 ref.)
Recent developments in sexually transmitted diseases: is Kaposi's sarcoma a sexually transmitted disease? Felman YM. **Cutis** 1990 Oct;46(4):303–6 (53 ref.)
Recent developments in STDs: I. Bacterial diseases. Handsfield HH. **Hosp Pract (Off Ed)** 1991 Jul 15; 26(7):47–56 (8 ref.)
Gonorrhoea and syphilis in Sweden—past and present. Danielsson D. **Scand J Infect Dis Suppl** 1990;69:69–76 (11 ref.)
The epidemiology of HIV and other sexually transmitted infections in the developing world. Piot P, et al. **Scand J Infect Dis Suppl** 1990;69:89–97 (61 ref.)
Sexually transmitted diseases in Nigeria. A review of the present situation. Ogunbanjo BO. **West Afr J Med** 1989 Jan–Mar;8(1):42–9 (60 ref.)

PARASITOLOGY

Sexually transmitted parasitic diseases. Levine GI. **Prim Care** 1991 Mar;18(1):101–28 (70 ref.)

PREVENTION & CONTROL

The challenge of limiting the spread of human immunodeficiency virus by controlling other sexually transmitted diseases. Kirby PK, et al. **Arch Dermatol** 1991 Feb;127(2):237–42 (50 ref.)
Human papillomavirus. A sexually transmitted disease with carcinogenic potential. Lilley LL, et al. **Cancer Nurs** 1990 Dec;13(6):366–72 (33 ref.)
Avoiding sexually transmitted diseases. Stone KM. **Obstet Gynecol Clin North Am** 1990 Dec;17(4):789–99 (74 ref.)
Vaccines against STDs: specific considerations? Wigzell H. **Scand J Infect Dis Suppl** 1990;69:207–11 (9 ref.)
"Think PID". New directions in prevention and management of pelvic inflammatory disease. Rolfs RT. **Sex Transm Dis** 1991 Apr–Jun;18(2):131–2 (7 ref.)

THERAPY

The Nairobi STD program. An international partnership. Ronald A, et al. **Infect Dis Clin North Am** 1991 Jun; 5(2):337–52 (79 ref.)

SEXUALLY TRANSMITTED DISEASES, BACTERIAL

Urethritis in men. Fowler JE Jr. **Semin Urol** 1991 Feb; 9(1):15–27 (87 ref.)

COMPLICATIONS

Approach to men with urethritis and urologic complications of sexually transmitted diseases. Bowie WR. **Med Clin North Am** 1990 Nov;74(6):1543–57 (17 ref.)

SEXUALLY TRANSMITTED DISEASES, VIRAL

The emergence of hepatitis B as a sexually transmitted disease. Alter MJ, et al. **Med Clin North Am** 1990 Nov; 74(6):1529–41 (62 ref.)

DIAGNOSIS

[Anal lesions and human papillomaviruses. Virologic, epidemiologic and cancerologic aspects] Euvrard S, et al. **Ann Dermatol Venereol** 1991;118(6–7):497–502 (68 ref.) **(Fre)**

EPIDEMIOLOGY

Recent developments in sexually transmitted diseases: is heterosexual transmission of human immunodeficiency virus a major epidemiologic factor in the spread of acquired immunodeficiency syndrome? III: AIDS in Sub-Saharan Africa. Felman YM. **Cutis** 1990 Sep;46(3):204–6 (32 ref.)

SEZARY SYNDROME

Mycosis fungoides and the Sézary syndrome: a review of pathogenesis, diagnosis, and therapy. Kuzel TM, et al. **J Clin Oncol** 1991 Jul;9(7):1298–313 (132 ref.)

PATHOLOGY

Mycosis fungoides and the Sézary syndrome: pathology, staging, and treatment. Hoppe RT, et al. **Curr Probl Cancer** 1990 Nov–Dec;14(6):293–371 (163 ref.)

THERAPY

Mycosis fungoides and the Sézary syndrome: pathology, staging, and treatment. Hoppe RT, et al. **Curr Probl Cancer** 1990 Nov–Dec;14(6):293–371 (163 ref.)

SGOT see **ASPARTATE AMINOTRANSFERASE**

SGPT see **ALANINE AMINOTRANSFERASE**

SHAME

The development and functioning of the sense of shame. Yorke C, et al. **Psychoanal Study Child** 1990;45:377–409 (74 ref.)

SHARED PARANOID DISORDER

PSYCHOLOGY

Folie à deux and mental retardation: review and case report. Ghaziuddin M. **Can J Psychiatry** 1991 Feb;36(1):48–9 (11 ref.)
[The risk of suicidal behavior in syndromes of reciprocal delirium interpretation induction] Grecu G, et al. **Rev Med Chir Soc Med Nat Iasi** 1990 Apr–Jun;94(2):309–12 (0 ref.) **(Rum)**

SHARP SYNDROME see **MIXED CONNECTIVE TISSUE DISEASE**

SHEEHAN'S SYNDROME see **HYPOPITUITARISM**

SHEEP

GENETICS

Production of sheep transgenic for growth hormone genes. Rexroad CE Jr. **Biotechnology** 1991;16:259–63 (16 ref.)
Insertion, expression and physiology of growth-regulating genes in ruminants. Rexroad CE Jr, et al. **J Reprod Fertil Suppl** 1990;41:119–24 (23 ref.)

PHYSIOLOGY

The trigger for parturition in sheep: fetal hypothalamus or placenta? Thorburn GD, et al. **J Dev Physiol** 1991 Feb; 15(2):71–9 (54 ref.)
Sexual pheromones in the domestic sheep: importance and limits in the regulation of reproductive physiology. Signoret JP. **J Steroid Biochem Mol Biol** 1991 Oct; 39(4B):639–45 (25 ref.)
Ventilation of sheep and goat barns. Collins ER Jr. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):635–54

(9 ref.)
Anesthesia techniques in sheep and goats. Ewing KK. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):759–78 (91 ref.)
Laparoscopic artificial insemination in sheep. Gourley DD, et al. **Vet Clin North Am Food Anim Pract** 1990 Nov; 6(3):615–33 (17 ref.)
The role of private practitioners in accelerated lambing. Matthews D. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):585–95 (20 ref.)
Routine sheep and goat procedures. Williams CS. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):737–58 (16 ref.)

SHEEP DISEASES

Ovine toxoplasmosis: a review. Buxton D. **J R Soc Med** 1990 Aug;83(8):509–11 (41 ref.)
Ovine progressive pneumonia, caprine arthritis–encephalitis, and related lentiviral diseases of sheep and goats. Bulgin MS. **Vet Clin North Am Food Anim Pract** 1990 Nov; 6(3):691–704 (60 ref.)
Epididymitis in rams and lambs. Bulgin MS. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):683–90 (46 ref.)
Coccidiosis and cryptosporidiosis in sheep and goats. Foreyt WJ. **Vet Clin North Am Food Anim Pract** 1990 Nov; 6(3):655–70 (49 ref.)

EPIDEMIOLOGY

Clinical nutrition of sheep and goats. Donoghue S, et al. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):563–76 (48 ref.)

ETIOLOGY

Permanent infertility in ewes exposed to plant oestrogens. Adams NR. **Aust Vet J** 1990 Jun;67(6):197–201 (39 ref.)
[Immunopathogenesis of Borna disease] Stitz L, et al. **Tierarztl Prax** 1991 Jun;19(3):267–70 (23 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

Genetic diseases of sheep and goats. Basrur PK, et al. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):779–802 (97 ref.)

IMMUNOLOGY

Immunity to Chlamydia psittaci with particular reference to sheep. McCafferty MC. **Vet Microbiol** 1990 Oct;25(1):87–99 (86 ref.)
[Epidemiology and immunology of trichostrongylosis in cattle and sheep, a synthesis] Jansen J. **Tijdschr Diergeneeskd** 1990 Nov 15;115(22):1042–50 (26 ref.) (Eng. Abstr.) **(Dut)**

MICROBIOLOGY

Ovine–caprine lentiviruses: infection and pathogenesis. Narayan O, et al. **Dev Biol Stand** 1990;72:203–5 (22 ref.)

MORTALITY

Diagnosis and control of neonatal losses in sheep. Rook JS, et al. **Vet Clin North Am Food Anim Pract** 1990 Nov; 6(3):531–62 (27 ref.)

PATHOLOGY

Lessons from caprine and ovine retrovirus infections. Michaels FH, et al. **Rheum Dis Clin North Am** 1991 Feb; 17(1):5–23 (73 ref.)

PREVENTION & CONTROL

Prospects for the control of sheep blowfly strike by vaccination. Sandeman RM. **Int J Parasitol** 1990 Jul; 20(4):537–41 (27 ref.)
Integrated worm control as a strategy in the control of gastrointestinal nematodes of sheep and cattle. Van Wyk JA. **J S Afr Vet Assoc** 1990 Sep;61(3):141–5 (30 ref.)
A review of chemical methods available for the control of gastrointestinal nematodes of sheep and cattle. Van Wyk JA. **J S Afr Vet Assoc** 1990 Sep;61(3):136–40 (30 ref.)
Advances in the control of foot rot in sheep. Kimberling CV, et al. **Vet Clin North Am Food Anim Pract** 1990 Nov; 6(3):671–81 (56 ref.)
Exclusion of infectious diseases from sheep and goat farms. Smith MC. **Vet Clin North Am Food Anim Pract** 1990 Nov; 6(3):705–20 (59 ref.)

SHELLFISH

see related
LOBSTERS
MUSSELS
OYSTERS
SHRIMP

Modified atmosphere packaging of seafood. Stammen K, et al. **Crit Rev Food Sci Nutr** 1990;29(5):301–31 (147 ref.)
Epidemiologic approaches to assessing human cancer risk from consuming aquatic food resources from chemically contaminated water. Ozonoff D, et al. **Environ Health Perspect** 1991 Jan;90:141–6 (79 ref.)

ANALYSIS

Carcinogen adducts as an indicator for the public health risks of consuming carcinogen–exposed fish and shellfish. Dunn BP. **Environ Health Perspect** 1991 Jan;90:111–6 (51 ref.)

SHELTERED WORKSHOPS

ECONOMICS

Sheltered workshops: financial and philosophical liabilities. Schuster JW. **Ment Retard** 1990 Aug;28(4):233–9 (30 ref.)

SHERMAN ANTITRUST ACT see **ANTITRUST LAWS**

SHIGELLA

see related
DYSENTERY, BACILLARY

GENETICS

Genetic basis of virulence in Shigella species. Hale TL. **Microbiol Rev** 1991 Jun;55(2):206–24 (160 ref.)
Molecular genetics of virulence in Shigella. Binns MM. **Microbiol Sci** 1985 Sep;2(9):275–8 (26 ref.)

IMMUNOLOGY

Shigellosis in Vietnam: seroepidemiologic studies with use of lipopolysaccharide antigens in enzyme immunoassays. Lindberg AA, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S231–7 (23 ref.)
O-specific side-chain toxin–protein conjugates as parenteral vaccines for the prevention of shigellosis and related diseases. Robbins JB, et al. **Rev Infect Dis** 1991 Mar–Apr; 13 Suppl 4:S362–5 (44 ref.)

ISOLATION & PURIFICATION

Microbiology and diagnosis of infections with Shigella and enteroinvasive Escherichia coli. Echeverria P, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S220–5 (44 ref.)

PATHOGENICITY

The lipopolysaccharide of Shigella bacteria as a virulence factor. Lindberg AA, et al. **Rev Infect Dis** 1991 Mar–Apr; 13 Suppl 4:S279–84 (30 ref.)

PHYSIOLOGY

Genetic and molecular basis of epithelial cell invasion by Shigella species. Sansonetti PJ. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S285–92 (46 ref.)

SHIGELLA BOYDII

[Current views on the pathomorphology and pathogenesis of dysentery] Polotskiĭ IuE, et al. **Arkh Patol** 1990; 52(10):67–72 (57 ref.) (Eng. Abstr.) **(Rus)**

SHIGELLA DYSENTERIAE

Mortality due to shigellosis: community and hospital data. Bennish ML, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S245–51 (46 ref.)
Digalactosyl-containing glycolipids as cell surface receptors for shiga toxin of Shigella dysenteriae 1 and related cytotoxins of Escherichia coli. Brown JE, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S298–303 (36 ref.)
Shiga toxin: purification, structure, and function. Donohue-Rolfe A, et al. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S293–7 (43 ref.)
[Shiga and Shiga-like toxins] Ciudin L. **Rev Ig [Bacteriol]** 1990 Jan–Mar;35(1):1–16 (91 ref.) **(Rum)**

ISOLATION & PURIFICATION

Intestinal manifestations of invasive diarrheas and their diagnosis. Mathan VI, et al. **Rev Infect Dis** 1991 Mar–Apr; 13 Suppl 4:S311–3 (9 ref.)

SHIGELLA FLEXNERI

[Current views on the pathomorphology and pathogenesis of dysentery] Polotskiĭ IuE, et al. **Arkh Patol** 1990; 52(10):67–72 (57 ref.) (Eng. Abstr.) **(Rus)**

SHIGELLA INFECTIONS see **DYSENTERY, BACILLARY**

SHIGELLA SONNEI

[Current views on the pathomorphology and pathogenesis of dysentery] Polotskiĭ IuE, et al. **Arkh Patol** 1990; 52(10):67–72 (57 ref.) (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Microbiological methods and plasmid pattern analysis in epidemiological control of Shigella sonnei infections. Bratoeva MP. **Microbiol Sci** 1986 Jul;3(7):216–9 (32 ref.)

SHIITAKE MUSHROOM see **POLYPORACEAE**

SHIKIMIC ACID

METABOLISM

The shikimate pathway—a metabolic tree with many branches. Bentley R. **Crit Rev Biochem Mol Biol** 1990; 25(5):307–84 (568 ref.)
The biosynthesis of shikimate metabolites. Dewick PM. **Nat Prod Rep** 1990 Jun;7(3):165–89 (137 ref.)
The biosynthesis of shikimate metabolites. Dewick PM. **Nat Prod Rep** 1991 Apr;8(2):149–70 (119 ref.)

SHINGLES see **HERPES ZOSTER**

SHIPPING FEVER see **PASTEURELLOSIS, PNEUMONIC**

SHIVERING

Shivering. A clinical nursing problem. Holtzclaw BJ. **Nurs Clin North Am** 1990 Dec;25(4):977–86 (26 ref.)

SHOCK

COMPLICATIONS

The cell in shock: the origin of multiple organ failure. Schlag G, et al. **Resuscitation** 1991 Apr;21(2–3):137–80 (257 ref.)

DRUG THERAPY

Inotropic and vasoactive drugs for management of the critically ill. McGrath RB. **Acute Care** 1988–89; 14–15:293–312 (192 ref.)
[Treatment of hypovolemia with hypertonic saline solutions] Skraastad O, et al. **Tidsskr Nor Laegeforen** 1991 May 10; 111(12):1481–3 (25 ref.) (Eng. Abstr.) **(Nor)**

ETIOLOGY

Tissue-plasminogen activator for pulmonary embolism resulting in shock: two case reports and discussion of the literature. Mitchell JP, et al. **Am J Med** 1991 Feb; 90(2):255–60 (55 ref.)
Hypovolemia due to hemorrhage. Lowe TW. **Clin Obstet Gynecol** 1990 Sep;33(3):454–9 (29 ref.)
[A case of intrapleural rupture of pulmonary arteriovenous malformation with shock] Itaoka Y, et al. **Kokyu To Junkan** 1990 Aug;38(8):811–4 (16 ref.) (Eng. Abstr.) **(Jpn)**
[Leukotrienes and shock] Oborin AN. **Klin Khir** 1991;(4):60–4 (46 ref.) **(Rus)**

METABOLISM

Gastrointestinal mucosal injury in experimental models of shock, trauma, and sepsis. Fink MP. **Crit Care Med** 1991 May;19(5):627–41 (159 ref.)
Measurement of tissue perfusion by oxygen transport patterns in experimental shock and in high-risk surgical patients. Shoemaker WC, et al. **Intensive Care Med** 1990;16 Suppl 2:S135–44 (35 ref.)

PATHOLOGY

[Clinico-anatomic manifestations of intestinal involvement in shock] Kan'shina NF, et al. **Arkh Patol** 1991;53(2):76–9 (51 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The role of histamine release in shock. Nagy S. **Acta Physiol Hung** 1990;76(1):3–12 (56 ref.)
The brain in shock. Secondary disturbances of cerebral function. Baethmann A, et al. **Chest** 1991 Sep;100(3 Suppl):205S–208S (38 ref.)
Shock- and ischemia-induced mechanisms of impairment of endothelium-mediated vasodilation. Lefer AM, et al. **Chest** 1991 Sep;100(3 Suppl):160S–163S (20 ref.)
The role of the gut in shock and multiple system organ failure. Antonsson JB, et al. **Eur J Surg** 1991 Jan; 157(1):3–12 (98 ref.)
[Leukotrienes as mediators in the pathogenesis of shock] Guhlmann A, et al. **Verh Dtsch Ges Inn Med** 1990;96:693–6 (16 ref.) **(Ger)**

THERAPY

Treatment strategies in shock: use of oxygen transport measurements. Barone JE, et al. **Heart Lung** 1991 Jan; 20(1):81–5 (26 ref.)
Use of albumin as a volume expander. Doweiko JP, et al. **JPEN J Parenter Enteral Nutr** 1991 Jul–Aug;15(4):484–7 (61 ref.)
Recognition and stabilization of the critically ill or injured child [published erratum appears in Pediatr Ann 1990 Dec;19(12):678] Seidel JS. **Pediatr Ann** 1990 Oct; 19(10):580–3 (9 ref.)
[Choice of vascular-loading solutions for treating hypovolemia in adults] Nicolas F. **Ann Med Interne (Paris)** 1990;141(7):588–92 (20 ref.) **(Fre)**

SHOCK, ANAPHYLACTIC see **ANAPHYLAXIS**

SHOCK, CARDIOGENIC

BLOOD

Oxygen transport in cardiogenic and septic shock. Edwards JD. **Crit Care Med** 1991 May;19(5):658–63 (31 ref.)

CHEMICALLY INDUCED

[Massive delayed-action verapamil poisoning] Hagège A, et al. **Arch Mal Coeur** 1990 Oct;83(11):1745–7 (11 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Limitations of thrombolytic therapy for acute myocardial infarction complicated by congestive heart failure and cardiogenic shock. Bates ER, et al. **J Am Coll Cardiol** 1991 Oct;18(4):1077–84 (93 ref.)

SHOCK, ENDOTOXIC see **SHOCK, SEPTIC**

SHOCK, HEMORRHAGIC

BLOOD

[Various mechanisms of disorders of the regulation of hemostasis in acute hemorrhage] Gorbunova NA. **Gematol Transfuziol** 1991 Feb;36(2):3–7 (100 ref.) (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Intestinal ischemia. Haglund UH, et al. **Surg Annu** 1991;23 Pt 2:173–86 (56 ref.)

DRUG THERAPY

[Hypertonic sodium chloride and hemorrhagic shock] Riou B, et al. **Ann Fr Anesth Reanim** 1990;9(6):536–46 (50 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

[Neurohumoral aspects of the pathogenesis of hemorrhagic shock] Grässler J. **Z Med Lab Diagn** 1990;31(5):273–83 (56 ref.) **(Ger)**

[Hemorrhagic shock] Bratus' VD. **Klin Khir** 1991;(3):61–4 (63 ref.) **(Rus)**

THERAPY

Update on trauma care in Canada. 4. Resuscitation through the three phases of hemorrhagic shock after trauma. Lucas CE. **Can J Surg** 1990 Dec;33(6):451–6 (17 ref.)

SHOCK LUNG see **RESPIRATORY DISTRESS SYNDROME, ADULT**

SHOCK, SEPTIC

Expanding perspectives on the toxic shock syndrome. Freedman JD, et al. **Adv Intern Med** 1991;36:363–97 (151 ref.)

Obstetric septic shock: a pathophysiologic basis for management. Pearlman M, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):482–92 (33 ref.)

Pathophysiology and treatment of septic shock. Rackow EC, et al. **JAMA** 1991 Jul 24–31;266(4):548–54 (181 ref.)

BLOOD

Oxygen transport in cardiogenic and septic shock. Edwards JD. **Crit Care Med** 1991 May;19(5):658–63 (31 ref.)

COMPLICATIONS

The systemic septic response: concepts of pathogenesis. Cerra FB. **J Trauma** 1990 Dec;30(12 Suppl):S169–74 (51 ref.)

Intestinal ischemia. Haglund UH, et al. **Surg Annu** 1991;23 Pt 2:173–86 (56 ref.)

DIAGNOSIS

Postoperative toxic shock syndrome. Hughes D, et al. **Iowa Med** 1991 Feb;81(2):55–8 (9 ref.)

DRUG THERAPY

Monoclonal anti-endotoxin antibodies for the treatment of gram-negative bacteremia and septic shock. Baumgartner JD. **Eur J Clin Microbiol Infect Dis** 1990 Oct;9(10):711–6 (30 ref.)

[Norepinephrine in the therapy of septic shock: a revival?] Putterman C. **Harefuah** 1991 Feb 15;120(4):218–20 (23 ref.) **(Heb)**

ETIOLOGY

Septic shock. Dal Nogare AR. **Am J Med Sci** 1991 Jul; 302(1):50–65 (184 ref.)

Toxic shock syndrome following insertion of breast prostheses. Olesen LL, et al. **Br J Surg** 1991 May; 78(5):585–6 (12 ref.)

Staphylococcal and streptococcal pyrogenic toxins involved in toxic shock syndrome and related illnesses. Bohach GA, et al. **Crit Rev Microbiol** 1990;17(4):251–72 (224 ref.)

Cytokines and septic shock. Calandra T, et al. **Diagn Microbiol Infect Dis** 1990 Sep–Oct;13(5):377–81 (45 ref.)

Role of tumor necrosis factor in the pathogenesis of intravascular coagulopathy of sepsis: potential new therapeutic implications. Aderka D. **Isr J Med Sci** 1991 Jan;27(1):52–60 (63 ref.)

The Jarisch-Herxheimer reaction in leptospirosis: possible pathogenesis and review. Friedland JS, et al. **Rev Infect Dis** 1991 Mar–Apr;13(2):207–10 (44 ref.)

[Cavitated pneumonia and toxic shock syndrome: presentation of a case] Sánchez-Izquierdo Riera JA, et al. **Rev Clin Esp** 1990 May;186(9):444–6 (27 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Staphylococcal enterotoxins and the immune system. Wood AC, et al. **FEMS Microbiol Immunol** 1991 Jun;3(3):121–33 (134 ref.)

[Septic shock: pathophysiology, therapeutic approaches, perspectives] Held T, et al. **Z Arztl Fortbild (Jena)** 1991 Jun 10;85(11):502–5 (28 ref.) **(Ger)**

METABOLISM

Renal perfusion and metabolism in experimental endotoxin shock. Gullichsen E. **Acta Chir Scand Suppl** 1991;560:7–31 (207 ref.)

Oxygen consumption in sepsis and septic shock. Tuchschmidt J, et al. **Crit Care Med** 1991 May;19(5):664–71 (71 ref.)

MICROBIOLOGY

[Studying the levels of endotoxemia in meningococcal sepsis. Its relations to pregnancy and antibiotic treatment] Loscertales Abril M, et al. **An Esp Pediatr** 1991 May; 34(5):355–9 (38 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Role of endotoxin and host cytokines in septic shock. Dunn DL. **Chest** 1991 Sep;100(3 Suppl):164S–168S (50 ref.)

Abnormalities of vascular reactivity in the sepsis syndrome. Sibbald WJ, et al. **Chest** 1991 Sep;100(3 Suppl):155S–159S (33 ref.)

Cardiovascular dysfunction in septic shock. Snell RJ, et al. **Chest** 1991 Apr;99(4):1000–9 (50 ref.)

The haemodynamics of septic shock. Thijs LG, et al. **Intensive Care Med** 1990;16 Suppl 3:S182–6 (48 ref.)

Regulation of the pathophysiology of tumor necrosis factor. DeForge LE, et al. **J Lab Clin Med** 1990 Oct;116(4):429–38 (72 ref.)

Septic shock: pathogenesis. Glauser MP, et al. **Lancet** 1991 Sep 21;338(8769):732–6 (33 ref.)

[Cachectin or TNF (tumor necrosis factor): clinical implications] Romieu M, et al. **Ann Fr Anesth Reanim** 1990; 9(6):525–35 (99 ref.) (Eng. Abstr.) **(Fre)**

[Cardiovascular function in patients with sepsis] Gun C, et al. **Arq Bras Cardiol** 1990 Dec;55(6):389–93 (67 ref.) **(Por)**

PREVENTION & CONTROL

The role of platelet activating factor and its antagonists in shock, sepsis and multiple organ failure. Anderson BO, et al. **Surg Gynecol Obstet** 1991 May;172(5):415–24 (116 ref.)

THERAPY

Monoclonal antibodies in the treatment of endotoxin shock (a review). Sinkovics JG. **Acta Microbiol Hung** 1990; 37(3):247–61 (94 ref.)

The proinflammatory cytokines interleukin-1 and tumor necrosis factor and treatment of the septic shock syndrome. Dinarello CA. **J Infect Dis** 1991 Jun;163(6):1177–84 (89 ref.)

A critical evaluation of new agents for the treatment of sepsis. Bone RC. **JAMA** 1991 Sep 25;266(12):1686–91 (82 ref.)

Septic shock: treatment. Cohen J, et al. **Lancet** 1991 Sep 21; 338(8769):736–9 (29 ref.)

Septic shock. When patients fail to respond to conventional therapy. Smally AJ. **Postgrad Med** 1991 Sep 1;90(3):205–7, 210–2 (12 ref.)

[Urosepsis and uroseptic shock] Hofmann W. **Z Urol Nephrol** 1990 Jun;83(6):317–24 (13 ref.) (Eng. Abstr.) **(Ger)**

VETERINARY

Endotoxic shock. Part I: A review of causes. Hardie EM, et al. **J Vet Intern Med** 1990 Sep–Oct;4(5):258–66 (96 ref.)

Endotoxic shock. Part II: A review of treatment. Hardie EM, et al. **J Vet Intern Med** 1990 Nov–Dec;4(6):306–14 (117 ref.)

SHOCK THERAPY, ELECTRIC see **ELECTROCONVULSIVE THERAPY**

SHOCK, TOXIC see **SHOCK, SEPTIC**

SHOCK, TRAUMATIC

THERAPY

From desperation to skin regeneration: progress in burn treatment. Burke JF. **J Trauma** 1990 Dec;30(12 Suppl):S36–40 (28 ref.)

[Disaster medicine and the military medical aspect of the problem of shock] Sherman DM. **Voen Med Zh** 1991 May; (5):11–5 (44 ref.) **(Rus)**

SHOCKWAVES, ULTRASONIC see **ULTRASONICS**

SHOES

The foot and footwear. Maier T, et al. **Nurs Clin North Am** 1991 Mar;26(1):223–31 (5 ref.)

Shoes for children: a review. Staheli LT. **Pediatrics** 1991 Aug;88(2):371–5 (52 ref.)

SHORT BOWEL SYNDROME

CONGENITAL

Congenital short gut, malrotation, and dysmotility of the small bowel. Kern IB, et al. **J Pediatr Gastroenterol Nutr** 1990 Oct;11(3):411–5 (30 ref.)

Long-term survival of a patient with congenital short bowel and malrotation. Huysman WA, et al. **J Pediatr Surg** 1991 Jan;26(1):103–5 (13 ref.)

THERAPY

Short-bowel syndrome: a review of the role of nutrition support. Purdum PP 3d, et al. **JPEN J Parenter Enteral Nutr** 1991 Jan–Feb;15(1):93–101 (99 ref.)

Management of the short-bowel syndrome. Dudrick SJ, et al. **Surg Clin North Am** 1991 Jun;71(3):625–43 (105 ref.)

[Direct re-instillation through endotracheal intubation tubes during enteral nutrition for short bowel syndrome] Desport JC, et al. **Ann Fr Anesth Reanim** 1991;10(2):161–3 (10 ref.) (Eng. Abstr.) **(Fre)**

[Treatment of short bowel syndrome] Rodríguez Montes JA. **An R Acad Nac Med (Madr)** 1990;107(1):91–113 (50 ref.) **(Spa)**

SHORT RIB-POLYDACTYLY SYNDROME

Short rib syndrome--Beemer type in sibs. Hennekam RC. **Am J Med Genet** 1991 Aug 1;40(2):230–3 (13 ref.)

DIAGNOSIS

Beemer-Langer syndrome with manifestations of an orofaciodigital syndrome. Lin AE, et al. **Am J Med Genet** 1991 Jun 1;39(3):247–51 (16 ref.)

SHOULDER

Shoulder dystocia. Carlan SJ, et al. **Am Fam Physician** 1991 Apr;43(4):1307–11 (16 ref.)

[Fetal shoulder dystocia] Chernukha EA, et al. **Akush Ginekol (Mosk)** 1991 May;(5):11–3 (41 ref.) **(Rus)**

BLOOD SUPPLY

Arterial abnormalities of the shoulder in athletes. Nuber GW, et al. **Am J Sports Med** 1990 Sep–Oct;18(5):514–9 (12 ref.)

INJURIES

Shoulder dystocia. Hernandez C, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):526–34 (36 ref.)

Weight lifting. Risks and injuries to the shoulder. Neviaser TJ. **Clin Sports Med** 1991 Jul;10(3):615–21 (8 ref.)

Diagnosis and treatment of shoulder injuries in the athlete. Hooke NC. **Nurs Clin North Am** 1991 Mar;26(1):199–210 (16 ref.)

[Analysis of the collective term "periarthritis humeroscapularis"] Barnbeck F, et al. **Aktuel Traumatol** 1991 Apr;21(2):49–52 (12 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Shoulder surgery. Friedman RJ. **Curr Opin Rheumatol** 1990 Feb;2(1):163–71 (33 ref.)

SHOULDER DISLOCATION

COMPLICATIONS

Damage of the long thoracic and dorsal scapular nerve after traumatic shoulder dislocation: case report and review of the literature. Jerosch J, et al. **Acta Orthop Belg** 1990; 56(3–4):625–7 (21 ref.)

RADIOGRAPHY

Axillary shoulder with exaggerated rotation: the Hill-Sachs defect. Rafert JA, et al. **Radiol Technol** 1990 Sep–Oct; 62(1):18–21 (10 ref.)

THERAPY

Anterior shoulder dislocation: a review of reduction techniques. Riebel GD, et al. **Am J Emerg Med** 1991 Mar; 9(2):180–8 (36 ref.)

ULTRASONOGRAPHY

[The value of sonographic diagnosis for the demonstration of Hill-Sachs lesions] Jerosch J, et al. **Z Orthop** 1990

SHOULDER DISLOCATION

Sep-Oct;128(5):507-11 (40 ref.) (Eng. Abstr.) (Ger)

SHOULDER FRACTURES

COMPLICATIONS

Brachial-plexus injury after clavicular fracture: case report and literature review. Rumball KM, et al. **Can J Surg** 1991 Jun;34(3):264-6 (9 ref.)

ULTRASONOGRAPHY

[The value of sonographic diagnosis for the demonstration of Hill-Sachs lesions] Jerosch J, et al. **Z Orthop** 1990 Sep-Oct;128(5):507-11 (40 ref.) (Eng. Abstr.) (Ger)

SHOULDER JOINT

Acquired contracture of the infraspinatus muscle. A case report and review of the literature. Van Holsbeeck E, et al. **Acta Orthop Belg** 1991;57(1):76-8 (8 ref.)

The painful shoulder: Part II. Intrinsic disorders and impingement syndrome. Zuckerman JD, et al. **Am Fam Physician** 1991 Feb;43(2):497-512 (50 ref.)

The painful shoulder: Part I. Extrinsic disorders. Zuckerman JD, et al. **Am Fam Physician** 1991 Jan;43(1):119-28 (13 ref.)

Frozen shoulder: current concepts [see comments] Baslund B, et al. **Scand J Rheumatol** 1990;19(5):321-5 (29 ref.) Comment in: Scand J Rheumatol 1991;20(2):138.

[Humero-scapular periarthrosis] Baslund B, et al. **Ugeskr Laeger** 1991 Jan 14;153(3):170-3 (30 ref.) (Eng. Abstr.) (Dan)

[MRI in subacromial pathology. Report of 20 cases] Poey C, et al. **J Radiol** 1990 Aug-Sep;71(8-9):457-66 (19 ref.) (Eng. Abstr.) (Fre)

[Surgical treatment of painful shoulders caused by lesions of the rotator cuff and biceps, treatment as a function of lesions. Reflections on the Neer's concept] Walch G, et al. **Rev Rhum Mal Osteoartic** 1991 Apr;58(4):247-57 (37 ref.) (Eng. Abstr.) (Fre)

[Diagnostic shoulder arthroscopy] Gächter A. **Aktuel Probl Chir Orthop** 1991;40:9-17 (9 ref.) (Ger)

INJURIES

Rotator cuff lesions. Acute and chronic. Snyder SJ. **Clin Sports Med** 1991 Jul;10(3):595-614 (15 ref.)

Diagnosis and rehabilitation of the shoulder impingement syndrome in the overhand and throwing athlete. Scheib JS. **Rheum Dis Clin North Am** 1990 Nov;16(4):971-88 (31 ref.)

[Surgical therapy and results in rupture of the rotator cuff] Hermann B, et al. **Z Orthop** 1990 Nov-Dec;128(6):648-51 (33 ref.) (Eng. Abstr.) (Ger)

[Injury of the rotator cuff. II. Diagnostic and therapeutic problems] Sánta S, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1990; 33(3):183-90 (30 ref.) (Eng. Abstr.) (Hun)

[MR imaging and disorders in orthopedics] Yoshikawa K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1991 May; 65(5):382-94 (34 ref.) (Jpn)

PATHOLOGY

Shoulder pain and reflex sympathetic dystrophy. Uhthoff HK, et al. **Curr Opin Rheumatol** 1991 Apr;3(2):240-6 (48 ref.)

PHYSIOLOGY

Shoulder pain in hemiplegia. Krotenberg R. **Adv Clin Rehabil** 1990;3:189-96 (13 ref.)

PHYSIOPATHOLOGY

Neck dissection: morbidity and rehabilitation. Hillel A, et al. **Cancer Treat Res** 1990;52:133-47 (38 ref.)

Shoulder impingement syndrome. A critical review. Fu FH, et al. **Clin Orthop** 1991 Aug;(269):162-73 (37 ref.)

SURGERY

Surgery of the rheumatoid shoulder. Kelly IG. **Ann Rheum Dis** 1990 Oct;49 Suppl 2:824-9 (36 ref.)

Total joint arthroplasty: hip, knee, and shoulder. Vince KG. **Curr Opin Rheumatol** 1991 Feb;3(1):71-80 (46 ref.)

Postoperative proximal migration in total shoulder arthroplasty. Incidence and significance. Boyd AD Jr, et al. **J Arthroplasty** 1991 Mar;6(1):31-7 (39 ref.)

[Surgical shoulder arthroscopy] Hempfling H, et al. **Aktuel Probl Chir Orthop** 1991;40:18-23 (9 ref.) (Ger)

SHRIMP

[A case of food-dependent exercise-induced anaphylaxis] Watanabe T, et al. **Arerugi** 1990 Nov;39(11):1523-8 (32 ref.) (Eng. Abstr.) (Jpn)

PARASITOLOGY

Antipodean aquaculture agents. Overstreet RM. **Int J Parasitol** 1990 Jul;20(4):551-64 (54 ref.)

SHWARTZMAN PHENOMENON

PATHOLOGY

Shwartzman reaction. Brozna JP. **Semin Thromb Hemost** 1990 Oct;16(4):326-32 (51 ref.)

SHY-DRAGER SYNDROME

PHYSIOPATHOLOGY

Otoneurological manifestations of the Shy-Drager syndrome. Ohashi N, et al. **Eur Arch Otorhinolaryngol** 1991; 248(3):150-2 (20 ref.)

SHYNESS

Social phobia: relationship to shyness. Turner SM, et al. **Behav Res Ther** 1990;28(6):497-505 (45 ref.)

SIADH see **INAPPROPRIATE ADH SYNDROME**

SIALADENITIS

PATHOLOGY

Granulomatous sialadenitis. Batsakis JG. **Ann Otol Rhinol Laryngol** 1991 Feb;100(2):166-9 (22 ref.)

SIALIC ACIDS

ANALYSIS

[Properties of the cell surface of normal and malignant cells: investigations on polysialic acid and terminal sialic acid residues in specific linkages] Roth J, et al. **Verh Dtsch Ges Pathol** 1990;74:186-95 (75 ref.) (Eng. Abstr.) (Ger)

BLOOD

Differential reactivity of bovine coronavirus (BCV) and influenza C virus with N-acetyl-9-O-acetylneuraminic acid (Neu5,9Ac2)-containing receptors. Schultze B, et al. **Adv Exp Med Biol** 1990;276:115-9 (9 ref.)

[Diagnostic value of biochemical tumor markers in brain tumors. Review of the literature and own experience with serum analysis of sialic acid (NANA), carcinoembryonic antigen (CEA) and neuron-specific enolase (NSE)] Flaschka G, et al. **Zentralbl Neurochir** 1990;51(3):129-37 (80 ref.) (Eng. Abstr.) (Ger)

METABOLISM

Immunocytochemical localization of the intracellular sites of sialylation in rat hepatocytes and colonic epithelial cells. Taatjes DJ. **Acta Histochem Suppl** 1990;40:9-21 (49 ref.)

Regulation of neural cell adhesion molecule sialylation state. Regan CM. **Int J Biochem** 1991;23(5-6):513-23 (112 ref.)

SIALIDASE see **NEURAMINIDASE**

SIALOGLYCOPEPTIDES see **SIALOGLYCOPROTEINS**

SIALOGLYCOPROTEINS

ANALYSIS

Sialoproteins of bone and dentin. Butler WT. **J Biol Buccale** 1991 Mar;19(1):83-9 (53 ref.)

METABOLISM

Lymphocyte chemoattractants in psoriasis and normal skin. Camp RD, et al. **J Invest Dermatol** 1990 Nov;95(5):22S-23S (9 ref.)

PHYSIOLOGY

Sialophorin (CD43) and the Wiskott-Aldrich syndrome. Remold-O'Donnell E, et al. **Immunodefic Rev** 1990; 2(2):151-74 (80 ref.)

SIALOLITHIASIS see **SALIVARY GLAND CALCULI**

SIALOPROTEINS see **SIALOGLYCOPROTEINS**

SIALORRHEA

COMPLICATIONS

Unilateral enlargement of the parotid gland in a patient with sialosis and contralateral parotid aplasia. Kelly SA, et al. **Br J Oral Maxillofac Surg** 1990 Dec;28(6):409-12 (31 ref.)

THERAPY

The current management of sialorrhea. Lew KM, et al. **Ear Nose Throat J** 1991 Feb;70(2):99-105 (29 ref.)

SIALYLTRANSFERASES

Enzymatic techniques applied to complex carbohydrates. Some examples. Nilsson KG. **Ann N Y Acad Sci** 1990; 613:431-4 (13 ref.)

METABOLISM

Immunocytochemical localization of the intracellular sites of sialylation in rat hepatocytes and colonic epithelial cells. Taatjes DJ. **Acta Histochem Suppl** 1990;40:9-21 (49 ref.)

Glycoprotein sialyltransferases in eucaryotic cells. Broquet P, et al. **Int J Biochem** 1991;23(4):385-9 (64 ref.)

SIBLING RELATIONS

Sibling rivalry. Leung AK, et al. **Clin Pediatr (Phila)** 1991 May;30(5):314-7 (17 ref.)

SICCA SYNDROME see **SJOGREN'S SYNDROME**

SICK BUILDING SYNDROME see **ENVIRONMENTAL EXPOSURE**

SICK ROLE

Psychological problems of families and health workers dealing with people infected with human immunodeficiency virus 1. Maj M. **Acta Psychiatr Scand** 1991 Mar;83(3):161-8 (36 ref.)

Psychological consequences of spinal injury: a review of the literature. Craig AR, et al. **Aust N Z J Psychiatry** 1990 Sep;24(3):418-25 (55 ref.)

Smoking and smoking cessation in cancer patients. Gritz ER. **Br J Addict** 1991 May;86(5):549-54 (46 ref.)

A semiotic perspective on chronic pain: implications for the interaction between patient and physician. Priel B, et al. **Br J Med Psychol** 1991 Mar;64 (Pt 1):65-71 (27 ref.)

Physical illness, pain, and suicidal behavior. Venkoba Rao A. **Crisis** 1990 Nov;11(2):48-56 (30 ref.)

Psychiatric aspects of head and neck surgery. Part I: New surgical techniques and psychiatric consequences. Bronheim H, et al. **Gen Hosp Psychiatry** 1991 May; 13(3):165-76 (54 ref.)

Ability to avoid premature treatment. A skill of consultation-liaison psychiatrists. Granet RB, et al. **Gen Hosp Psychiatry** 1990 Sep;12(5):323-8 (22 ref.)

Family systems intervention and physical illness. Sholevar GP, et al. **Gen Hosp Psychiatry** 1990 Nov;12(6):363-72 (59 ref.)

Gender, stress, and health. Baum A, et al. **Health Psychol** 1991;10(2):80-5 (58 ref.)

Self-management of diabetes mellitus: a critical review. Goodall TA, et al. **Health Psychol** 1991;10(1):1-8 (80 ref.)

Diagnosis and treatment of psychiatric disorders in medically ill inpatients. Fulop G, et al. **Hosp Community Psychiatry** 1991 Apr;42(4):389-94 (57 ref.)

Methodological issues in the study of personality and psychiatric state in rheumatoid arthritis. Hnatiuk SH, et al. **Int J Psychiatry Med** 1990;20(3):293-306 (87 ref.)

Psychoimmunology and rheumatoid arthritis: concepts and methodologies. McFarlane AC, et al. **Int J Psychiatry Med** 1990;20(3):307-22 (83 ref.)

Revision, replication and neglect--research on maladjustment in chronic illness. Pless IB, et al. **J Child Psychol Psychiatry** 1991 Jan;32(2):347-65 (87 ref.)

Issues in adherence with pediatric regimens. La Greca AM. **J Pediatr Psychol** 1990 Aug;15(4):423-36 (34 ref.)

Adherence issues in the medical management of asthma. Lemanek K. **J Pediatr Psychol** 1990 Aug;15(4):437-58 (65 ref.)

Making and taking health care decisions: discussion paper. Aldridge D. **J R Soc Med** 1990 Nov;83(11):720-3 (21 ref.)

Abnormal illness behaviours and their treatments. Pilowsky I. **Med J Aust** 1990 Sep 17;153(6):346-8 (29 ref.)

Psychologic and behavioral aspects of chronic headache. Andrasik F. **Neurol Clin** 1990 Nov;8(4):961-76 (92 ref.)

Substance abuse and AIDS: the need for mental health services. Batki SL. **New Dir Ment Health Serv** 1990 Winter; (48):55-67 (35 ref.)

The many faces of AIDS: opportunities for intervention. Bing EG, et al. **New Dir Ment Health Serv** 1990 Winter; (48):69-82 (58 ref.)

AIDS risk in the chronically mentally ill: clinical strategies for prevention. Brady SM, et al. **New Dir Ment Health Serv** 1990 Winter;(48):83-95 (31 ref.)

Psychopharmacological interventions in HIV infections. Fernandez F. **New Dir Ment Health Serv** 1990 Winter; (48):43-53 (50 ref.)

Depression and anxiety secondary to medical illness. Cassem EH. **Psychiatr Clin North Am** 1990 Dec;13(4):597-612 (51 ref.)

Role of reassurance and psychopathology in hypochondriasis. Starčević V. **Psychiatry** 1990 Nov;53(4):383-95 (28 ref.)

Beyond attentional strategies: cognitive-perceptual model of somatic interpretation. Cioffi D. **Psychol Bull** 1991 Jan; 109(1):25-41 (180 ref.)

Psychiatric aspects of HIV-1 infection and AIDS. Maj M. **Psychol Med** 1990 Aug;20(3):547-63 (100 ref.)

Chronic fatigue syndrome and depression: conceptual and methodological ambiguities [editorial] Ray C. **Psychol Med** 1991 Feb;21(1):1-9 (84 ref.)

Disease, illness, sickness; impairment, disability and handicap [editorial] Susser M. **Psychol Med** 1990 Aug;20(3):471-3 (26 ref.)

Cultural variations in response to painful stimuli. Zatzick DF, et al. **Psychosom Med** 1990 Sep-Oct;52(5):544-57 (62 ref.)

Diagnosing depression in patients with medical illness. Kathol

RG, et al. **Psychosomatics** 1990 Fall;31(4):434–40 (20 ref.)
Methodology in consultation–liaison research: a classification of biases. Levenson JL, et al. **Psychosomatics** 1990 Fall; 31(4):367–76 (54 ref.)
Psychological factors affecting pulmonary and rheumatologic diseases. A review. Moran MG. **Psychosomatics** 1991 Winter;32(1):14–23 (71 ref.)
Psychotropic drug use in the medically ill: Part I. Stoudemire A, et al. **Psychosomatics** 1990 Fall;31(4):377–91 (103 ref.)
Psychotropic drug use in the medically ill. Part II. Stoudemire A, et al. **Psychosomatics** 1991 Winter; 32(1):34–46 (169 ref.)
Psychological and behavioral factors affecting medical conditions and DSM–IV. An overview. Stoudemire A, et al. **Psychosomatics** 1991 Winter;32(1):5–13 (33 ref.)
Head–injured parents and their children. Psychosocial consequences of a traumatic syndrome. Urbach JR, et al. **Psychosomatics** 1991 Winter;32(1):24–33 (77 ref.)
Measurement of psychological distress and well–being. Bech P. **Psychother Psychosom** 1990;54(2–3):77–89 (52 ref.)
Methodological and conceptual issues in research on quality of life. Fava GA. **Psychother Psychosom** 1990;54(2–3):70–6 (32 ref.)
Quality of life in patients with inflammatory bowel disease. Künsebeck HW, et al. **Psychother Psychosom** 1990; 54(2–3):110–6 (18 ref.)
Quality of life in cardiovascular disease. Mayou R. **Psychother Psychosom** 1990;54(2–3):99–109 (45 ref.)
Quality of life in oncology patients. Muthny FA, et al. **Psychother Psychosom** 1990;54(2–3):145–60 (41 ref.)
Positive psychotherapy: a transcultural and interdisciplinary approach to psychotherapy. Peseschkian N. **Psychother Psychosom** 1990;53(1–4):39–45 (7 ref.)
Quality of life in adults with insulin–dependent diabetes mellitus. Rodin G. **Psychother Psychosom** 1990; 54(2–3):132–9 (37 ref.)
Cognitive therapy with patients with chronic physical illness. Sensky T. **Psychother Psychosom** 1989;52(1–3):26–32 (26 ref.)
Measuring the social dimension of subjective health in chronic illness. Siegrist J, et al. **Psychother Psychosom** 1990; 54(2–3):90–8 (32 ref.)
Psychological distress and quality of life in endocrine disease. Sonino N, et al. **Psychother Psychosom** 1990;54(2–3):140–4 (21 ref.)
Coping with heart transplantation: a challenge for liaison psychiatry. Zumbrunnen R. **Psychother Psychosom** 1989; 52(1–3):66–73 (38 ref.)
Awareness of illness in schizophrenia. Amador XF, et al. **Schizophr Bull** 1991;17(1):113–32 (90 ref.)
[Integrated management of the HIV positive patient—medical, psychological and psychosocial aspects] Jäger H. **Internist (Berl)** 1990 Sep;31(9):575–81 (26 ref.) **(Ger)**
[Functional syndromes in internal medicine. Epidemiology, etiology, pathogenesis, psychodynamics and differential diagnosis] Köhle K. **Internist (Berl)** 1991 Jan;32(1):3–11 (31 ref.) **(Ger)**
[Functional cardiovascular syndromes] Werner A, et al. **Internist (Berl)** 1991 Jan;32(1):12–8 (33 ref.) **(Ger)**
[Psychological development in chronic disease and disability] Steinhausen HC. **Monatsschr Kinderheilkd** 1990 Oct; 138(10):646–50 (8 ref.) (Eng. Abstr.) **(Ger)**
[Is early differentiation of psychogenic from organic pain patients possible? Review of the literature and results of a screening study] Egle UT, et al. **Nervenarzt** 1991 Mar; 62(3):148–57 (62 ref.) **(Ger)**
[Psychosocial management of glioma patients treated with combined therapy] Schmidt B, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Aug; 42(8):494–9 (16 ref.) (Eng. Abstr.) **(Ger)**
[New aspects of complex chronic tinnitus. II: The lost silence: effects and psychotherapeutic possibilities in complex chronic tinnitus] Goebel G, et al. **Psychother Psychosom Med Psychol** 1991 Mar–Apr; 41(3–4):123–33 (62 ref.) (Eng. Abstr.) **(Ger)**
[Topics in clinical thanatology. Autopathothanatobiographies, –diaries, –epistulographies in comparison with Angloamerican clinical thanatologic experiences] Jacob H. **Psychother Psychosom Med Psychol** 1990 Dec; 40(12):449–65 (269 ref.) (Eng. Abstr.) **(Ger)**
[The difficult path of critical psychosomatic medicine] Richter HE. **Psychother Psychosom Med Psychol** 1990 Sep–Oct;40(9–10):318–23 (15 ref.) (Eng. Abstr.) **(Ger)**
["Expected motivation" in managing illness. A difficult social medicine–forensic problem] Aschoff JC. **Versicherungsmedizin** 1991 Feb 1;43(1):5–9 (26 ref.) (Eng. Abstr.) **(Ger)**
[A basic psychodiagnostic program for internists] Gruber G, et al. **Z Gesamte Inn Med** 1990 Sep 1;45(17):512–4 (18 ref.) (Eng. Abstr.) **(Ger)**
[Life style and quality of life of children and adolescents following malignant tumor disease] Häberle H, et al. **Zentralbl Chir** 1990;115(15):925–32 (12 ref.) (Eng. Abstr.) **(Ger)**

SICK SINUS SYNDROME

ETIOLOGY

[The etiological, pathogenetic and clinical prognostic aspects in the sick sinus syndrome and the importance of permanent electrocardiostimulation in patient rehabilitation] Egorov DF, et al. **Ter Arkh** 1991;63(4):151–5 (108 ref.) **(Rus)**

SURGERY

[Implanting an atrial pacemaker] Székely A, et al. **Orv Hetil** 1990 Dec 30;131(52):2855–9 (38 ref.) (Eng. Abstr.) **(Hun)**

SICKLE CELL HEMOGLOBIN C DISEASE see **HEMOGLOBIN SC DISEASE**

SICKLE CELL TRAIT

COMPLICATIONS

Sickle cell trait and stroke in the young adult. Radhakrishnan K, et al. **Postgrad Med J** 1990 Dec;66(782):1078–80 (19 ref.)
Orthopaedic manifestations of sickle–cell disease. Huo MH, et al. **Yale J Biol Med** 1990 May–Jun;63(3):195–207 (63 ref.)

GENETICS

Sickle cell trait revisited. Harkness DR. **Am J Med** 1989 Sep;87(3N):30N–34N (50 ref.)

SURGERY

Safe surgery in sickle cell disease. Banerjee AK, et al. **Br J Surg** 1991 May;78(5):516–7 (12 ref.)

SID see **SUDDEN INFANT DEATH**

SIDEROPHILIN see **TRANSFERRIN**

SIDEROSIS

see related
HEMOSIDEROSIS

SIGA see **IGA, SECRETORY**

SIGMA ELEMENT see **SIGMA FACTOR**

SIGMA FACTOR

GENETICS

Roles and regulation of the heat shock sigma factor sigma 32 in Escherichia coli. Yura T, et al. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):187–90 (29 ref.)
Cascades of sigma factors revisited. Stragier P, et al. **Mol Microbiol** 1990 Nov;4(11):1801–6 (28 ref.)

SIGMA INITIATION FACTOR see **SIGMA FACTOR**

SIGMA SUBUNIT see **SIGMA FACTOR**

SIGMOID DISEASES

DIAGNOSIS

[Volvulus of the sigmoid. Review of 38 cases] Alaoui M, et al. **J Chir (Paris)** 1990 Nov;127(11):542–6 (22 ref.) (Eng. Abstr.) **(Fre)**
[Mesenteric panniculitis of the sigmoid. A case report and review of the literature] Karentzos S, et al. **Minerva Chir** 1990 Nov;45(21–22):1403–6 (21 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

The ileosigmoid knot. Puthu D, et al. **Dis Colon Rectum** 1991 Feb;34(2):161–6 (13 ref.)

SURGERY

Surgical treatment of sigmoid diverticulitis. Church JM. **Schweiz Med Wochenschr** 1991 May 18;121(20):744–8 (10 ref.)
[Surgical treatment of sigmoid diverticulitis] Vayre P. **J Chir (Paris)** 1990 Nov;127(11):547–51 (32 ref.) (Eng. Abstr.) **(Fre)**

SIGMOID NEOPLASMS

DIAGNOSIS

[Computed tomography and magnetic resonance tomography of rectal and sigmoid tumors] Krestin GP, et al. **Rontgenblatter** 1990 Oct;43(10):426–9 (17 ref.) (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

Jejunal–rectal fistula as a complication of postoperative radiotherapy. Albu E, et al. **Am Surg** 1990 Nov; 56(11):697–9 (8 ref.)
Intraoperative brachytherapy alone for incomplete resected recurrent rectal cancer. Minsky BD, et al. **Radiother Oncol** 1991 Jun;21(2):115–20 (37 ref.)

SIGNAL PROCESSING, COMPUTER

SECONDARY

Recurrent ovarian granulosa cell tumor: role of combination chemotherapy with report of a long–term response to a cyclophosphamide, doxorubicin and cisplatin regimen. Muntz HG, et al. **Eur J Gynaecol Oncol** 1990;11(4):263–8 (21 ref.)

SIGN LANGUAGE

Developing intelligible signs with learning–disabled students: a review of the literature and an assessment procedure. Grove N. **Br J Disord Commun** 1990 Dec;25(3):265–93 (74 ref.)
[The problem of communication in children with hearing disorders in relation to general aspects of the development of communicative behavior. A review] Kammerer E. **Z Kinder Jugendpsychiatr** 1990 Dec;18(4):224–30 (30 ref.) **(Ger)**

SIGNAL INTERPRETATION, COMPUTER–ASSISTED see **SIGNAL PROCESSING, COMPUTER–ASSISTED**

SIGNAL PATHWAYS see **SIGNAL TRANSDUCTION**

SIGNAL PEPTIDES

ANALYSIS

Membrane translocation of proteins without hydrophobic signal peptides. Kuchler K, et al. **Curr Opin Cell Biol** 1990 Aug;2(4):617–24 (13 ref.)

CHEMISTRY

Protein targeting signals. von Heijne G. **Curr Opin Cell Biol** 1990 Aug;2(4):604–8 (26 ref.)
The retention signal for soluble proteins of the endoplasmic reticulum. Pelham HR. **Trends Biochem Sci** 1990 Dec; 15(12):483–6 (31 ref.)

GENETICS

src–related tyrosine protein kinases as signaling components in hematopoietic cells [published erratum appears in Cancer Cells 1990 Dec;2(12):405] Eiseman E, et al. **Cancer Cells** 1990 Oct;2(10):303–10 (75 ref.)

METABOLISM

Membrane insertion and lateral mobility of synthetic amphiphilic signal peptides in lipid model membranes. Tamm LK. **Biochim Biophys Acta** 1991 Jul 22; 1071(2):123–48 (150 ref.)
Translocation of proteins with signal sequences across membranes. Pugsley AP. **Curr Opin Cell Biol** 1990 Aug; 2(4):609–16 (35 ref.)
Current views on chloroplast protein import and hypotheses on the origin of the transport mechanism. Archer EK, et al. **J Bioenerg Biomembr** 1990 Dec;22(6):789–810 (89 ref.)
On the translocation of proteins across the chloroplast envelope. Flügge UI. **J Bioenerg Biomembr** 1990 Dec; 22(6):769–87 (73 ref.)

PHYSIOLOGY

Targeting of proteins into the eukaryotic secretory pathway: signal peptide structure/function relationships. Nothwehr SF, et al. **Bioessays** 1990 Oct;12(10):479–84 (48 ref.)
Endomembrane traffic and targeting in plant cells. Bowles DJ. **Curr Opin Cell Biol** 1990 Aug;2(4):673–80 (26 ref.)

SIGNAL PROCESSING, COMPUTER–ASSISTED

Real–time digital monitoring: current capabilities and future role. Raby KE, et al. **Adv Cardiol** 1990;37:96–104 (19 ref.)
Ambulatory monitoring of left ventricular function: a new modality for assessing silent myocardial ischemia. Zaret BL, et al. **Adv Cardiol** 1990;37:105–16 (18 ref.)
Overview of digital imaging in pathology. The fifth wave. Linder J. **Am J Clin Pathol** 1990 Oct;94(4 Suppl 1):S30–4 (3 ref.)
Computer–assisted analysis of Holter recordings. Kligfield P, et al. **Ann N Y Acad Sci** 1990;601:353–69 (84 ref.)
Quantitative analysis of electroencephalograms: is there chaos in the future? Jansen BH. **Int J Biomed Comput** 1991 Feb; 27(2):95–123 (59 ref.)
Coherent average technique—a tutorial review. Goovaerts HG, et al. **J Biomed Eng** 1991 Jul;13(4):275–80 (9 ref.)
Statistical aspects of neurophysiologic topography. Abt K. **J Clin Neurophysiol** 1990 Oct;7(4):519–34 (12 ref.)
The development of EEG brain mapping. Nuwer MR. **J Clin Neurophysiol** 1990 Oct;7(4):459–71 (48 ref.)
Precautions in topographic mapping and in evoked potential map reading. Perrin F, et al. **J Clin Neurophysiol** 1990 Oct; 7(4):498–506 (25 ref.)
Computer analyses of EEG–sleep in the neonate: methodological considerations. Scher MS, et al. **J Clin Neurophysiol** 1990 Jul;7(3):417–41 (58 ref.)
Biomedical signal processing (in four parts). Part 2. The frequency transforms and their inter–relationships. Challis RE, et al. **Med Biol Eng Comput** 1991 Jan;29(1):1–17 (9 ref.)
Biomedical signal processing (in four parts). Part 1.

Time-domain methods. Challis RE, et al. **Med Biol Eng Comput** 1990 Nov;28(6):509–24 (12 ref.)
A physiological approach to different concepts of rate adaptive cardiac pacing. Schaldach M, et al. **Med Prog Technol** 1990;16(4):235–46 (37 ref.)
The role of signal averaged electrocardiography in identifying patients at high risk for lethal ventricular tachyarrhythmias. Simson MB. **PACE Pacing Clin Electrophysiol** 1991 May;14(5 Pt 2):944–52 (59 ref.)
Surgery for ventricular tachycardia: intraoperative mapping techniques. Mickleborough LL. **Semin Thorac Cardiovasc Surg** 1989 Jul;1(1):74–82 (62 ref.)
[Spectral analysis of the ECG for detecting late potentials as risk factors of life-threatening cardiac arrhythmias] Haberl R, et al. **Klin Wochenschr** 1990 Aug 2;68(15):744–9 (26 ref.) (Eng. Abstr.) **(Ger)**
[Computer methods of data processing in clinical electroencephalography (review of the literature)] Zenkov LR. **Zh Nevropatol Psikhiatr** 1990;90(12):103–9 (69 ref.) **(Rus)**

INSTRUMENTATION

State of the multichannel magnetoencephalography. Vieth J. **Biomed Tech (Berlin)** 1990;35 Suppl 3:146–9 (19 ref.)
Cognitive brain potentials and their application. Blackwood DH, et al. **Br J Psychiatry Suppl** 1990;(9):96–101 (50 ref.)
The present status of cardiac pacing. Furman S. **Herz** 1991 Jun;16(3):171–81 (34 ref.)
Visual information processing of computed topographic electrical activity brain maps. Klymenko V, et al. **J Clin Neurophysiol** 1990 Oct;7(4):484–97 (51 ref.)
Adequacy of the International 10–20 electrode system for computed neurophysiologic topography. Myslobodsky MS, et al. **J Clin Neurophysiol** 1990 Oct;7(4):507–18 (52 ref.)
[Recent developments in position sensors] Schaldach M, et al. **Biomed Tech (Berlin)** 1990;35 Suppl 3:207–9 (6 ref.) **(Ger)**
[Late potentials as risk parameters after heart infarct] Haberl R, et al. **Fortschr Med** 1991 Jan 15;109(1):27–30 (43 ref.) (Eng. Abstr.) **(Ger)**
[Which programmable functions of pacemakers are available, and what is their clinical relevance?] Jung W, et al. **Herz** 1991 Jun;16(3):158–70 (56 ref.) (Eng. Abstr.) **(Ger)**
[Anti-tachycardia stimulation in supraventricular and ventricular tachycardia with and without cardioverter/defibrillator] Klein H. **Herz** 1991 Jun; 16(3):182–98 (48 ref.) (Eng. Abstr.) **(Ger)**
[Some general factors affecting heart rate fluctuations] Michalik M, et al. **Psychiatr Neurol Med Psychol Beih** 1990; 43:45–52 (46 ref.) **(Ger)**
[Computer-assisted analysis of cardiorespiratory data in the neonatal period] Rother M, et al. **Psychiatr Neurol Med Psychol Beih** 1990;43:37–44 (22 ref.) **(Ger)**
[New methodologic aspects of the analysis of heart rate variability in newborn infants as a selected example for heart rate analysis with special signal properties] Witte H, et al. **Psychiatr Neurol Med Psychol Beih** 1990;43:89–99 (27 ref.) **(Ger)**
[Event-related potentials in psychiatry—methodologic principles] Münte F, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Nov; 42(11):649–59 (50 ref.) (Eng. Abstr.) **(Ger)**

SIGNAL PROCESSING, DIGITAL see **SIGNAL PROCESSING, COMPUTER-ASSISTED**

SIGNAL SEQUENCES, PEPTIDES see **SIGNAL PEPTIDES**

SIGNAL TRANSDUCTION

see related
ION CHANNELS
SECOND MESSENGER SYSTEMS

Structural and functional diversities of a family of signal transducing protein kinases, protein kinase C family; two distinct classes of PKC, conventional cPKC and novel nPKC. Ohno S, et al. **Adv Enzyme Regul** 1991;31:287–303 (62 ref.)
Glycogen metabolism and signal transduction in mammals and yeast. Roach PJ, et al. **Adv Enzyme Regul** 1991; 31:101–20 (94 ref.)
Phospholipase D in the pancreatic islet: evidence suggesting the involvement of phosphatidic acid in signal transduction. Metz S, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21A:287–90 (17 ref.)
The role of tyrosine-and serine-threonine-protein phosphorylation in insulin action. Avruch J, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:295–300 (35 ref.)
Generation and transmission of vasoactive and antiaggregatory signals by the endothelium. Bassenge E, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:434–40 (26 ref.)
Protein tyrosine phosphatases: a novel family of enzymes involved in transmembrane signalling. Fischer EH, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:273–9 (15 ref.)
Roles of GTP-binding proteins and protein kinase C in signal transduction in the platelet. Haslam RJ, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:364–9 (19 ref.)
The heterogeneity of protein kinase C in signal transduction cascade. Ogita K, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:218–23 (8 ref.)
The regulation of Ca2+ accumulation and phospholipid metabolism in human platelets. Rittenhouse SE, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:370–4 (16 ref.)
Neuropeptide signalling and cell-surface peptidases. Turner AJ. **Adv Second Messenger Phosphoprotein Res** 1990; 24:467–71 (23 ref.)
The role of protein kinase C in growth control and the concept of carcinogenesis as a progressive disorder in signal transduction. Weinstein IB. **Adv Second Messenger Phosphoprotein Res** 1990;24:307–16 (25 ref.)
Signal transduction by P2-purinergic receptors for extracellular ATP. Dubyak GR. **Am J Respir Cell Mol Biol** 1991 Apr;4(4):295–300 (41 ref.)
Electrophysiology of the central serotonin system: receptor subtypes and transducer mechanisms. Aghajanian GK, et al. **Ann N Y Acad Sci** 1990;600:93–103; discussion 103 (68 ref.)
Glycolipids and transmembrane signaling in oligodendroglia. Benjamins JA, et al. **Ann N Y Acad Sci** 1990;605:90–100 (41 ref.)
Electroimmunology: membrane potential, ion-channel activities, and stimulatory signal transduction in human T lymphocytes from young and elderly. Damjanovich S, et al. **Ann N Y Acad Sci** 1991;621:29–39 (44 ref.)
Role of signal transduction in anesthetic action. Alpha 2 adrenergic agonists. Maze M, et al. **Ann N Y Acad Sci** 1991;625:409–22 (95 ref.)
Vascular signal transduction and atherosclerosis. Smirnov VN, et al. **Ann N Y Acad Sci** 1990;598:167–81 (46 ref.)
Signal transduction pathways involving protein phosphorylation in prokaryotes. Bourret RB, et al. **Annu Rev Biochem** 1991;60:401–41 (222 ref.)
Signal transduction by guanylyl cyclases. Chinkers M, et al. **Annu Rev Biochem** 1991;60:553–75 (146 ref.)
Structure and function of signal-transducing GTP-binding proteins. Kaziro Y, et al. **Annu Rev Biochem** 1991; 60:349–400 (254 ref.)
Calcium spiking. Meyer T, et al. **Annu Rev Biophys Biophys Chem** 1991;20:153–74 (78 ref.)
Bacterial chemotaxis and the molecular logic of intracellular signal transduction networks. Stock JB, et al. **Annu Rev Biophys Biophys Chem** 1991;20:109–36 (149 ref.)
Receptor-G protein signaling in yeast. Blumer KJ, et al. **Annu Rev Physiol** 1991;53:37–57 (109 ref.)
Peptide hormones, neurotransmitters, and drugs as Ca2+ ionophores: implications for signal transduction. Ananthanarayanan VS. **Biochem Cell Biol** 1991 Feb–Mar; 69(2–3):93–5 (19 ref.)
The role of G proteins in transmembrane signalling. Taylor CW. **Biochem J** 1990 Nov 15;272(1):1–13 (165 ref.)
Signal transduction mechanisms involving nitric oxide. Ignarro LJ. **Biochem Pharmacol** 1991 Feb 15;41(4):485–90 (47 ref.)
Regulation of the interleukin 4 signal in human B-lymphocytes. Finney M, et al. **Biochem Soc Trans** 1991 Apr;19(2):287–91 (9 ref.)
TonB; a model for signal transduction between membranes. Hannavy K, et al. **Biochem Soc Trans** 1991 Apr;19(2):530–2 (23 ref.)
The role of Ras in signal transduction. Johnston C, et al. **Biochem Soc Trans** 1991 Apr;19(2):296–9 (25 ref.)
Cross-talk between surface immunoglobulin and interleukin-4 receptors on murine B-lymphocytes. Klaus GG, et al. **Biochem Soc Trans** 1991 Apr;19(2):272–5 (12 ref.)
Signal-dependent activation of phosphatidylcholine hydrolysis: role of phospholipase D. Liscovitch M. **Biochem Soc Trans** 1991 Apr;19(2):402–7 (54 ref.)
Role of oncogenes in the regulation of MHC antigen expression. Maudsley DJ. **Biochem Soc Trans** 1991 Apr; 19(2):291–6 (34 ref.)
Transmembrane signalling by interleukin 2. Mills GB, et al. **Biochem Soc Trans** 1991 Apr;19(2):277–87 (115 ref.)
Arachidonic acid metabolism: potential for diverse signalling within the same neuron. Schwartz JH. **Biochem Soc Trans** 1991 Apr;19(2):387–90 (37 ref.)
Essential fatty acids and their metabolites in signal transduction. Wood JN. **Biochem Soc Trans** 1990 Oct; 18(5):785–6 (18 ref.)
The PtdIns-PLC superfamily and signal transduction. Meldrum E, et al. **Biochim Biophys Acta** 1991 Mar 19; 1092(1):49–71 (298 ref.)
Phospholipid-mediated signaling in receptor activation of human platelets. Nozawa Y, et al. **Biochim Biophys Acta** 1991 Apr 3;1082(3):219–38 (253 ref.)
Gene regulation by interleukin 6. Fey GH, et al. **Biochimie** 1991 Jan;73(1):47–50 (26 ref.)
Glycosyl phosphatidylinositol in thyroid: cell signalling or protein anchor? Jacquemin C. **Biochimie** 1991 Jan; 73(1):37–40 (42 ref.)
Animal cell shape changes and gene expression. Ben-Ze'ev A. **Bioessays** 1991 May;13(5):207–12 (51 ref.)
The neuronal growth cone as a specialized transduction system. Strittmatter SM, et al. **Bioessays** 1991 Mar; 13(3):127–34 (127 ref.)
Selective phospholipase C activation. Wahl M, et al. **Bioessays** 1991 Mar;13(3):107–13 (61 ref.)
Oscillatory dynamics in intercellular communication. Goldbeter A, et al. **Biomed Biochim Acta** 1990; 49(8–9):935–40 (41 ref.)
Implications of cell biology in animal cell biotechnology. Prokop A. **Biotechnology** 1991;17:21–58 (146 ref.)
Heme-dependent activation of guanylate cyclase by nitric oxide: a novel signal transduction mechanism. Ignarro LJ. **Blood Vessels** 1991;28(1–3):67–73 (40 ref.)
Signal transduction. Hollywood D. **Br Med Bull** 1991 Jan; 47(1):99–115 (31 ref.)
Regulation of c-fos expression in Swiss 3T3 cells: an interplay of multiple signal transduction pathways. Mehmet H, et al. **Br Med Bull** 1991 Jan;47(1):76–86 (36 ref.)
Cross-coupling of AP-1 and intracellular hormone receptors. Lamph WW. **Cancer Cells** 1991 May;3(5):183–5 (20 ref.)
Oncogenes and signal transduction [published erratum appears in Cell 1991 May 31;65(5):following 914] Cantley LC, et al. **Cell** 1991 Jan 25;64(2):281–302 (224 ref.)
Integration of developmental signals and the initiation of sporulation in B. subtilis. Grossman AD. **Cell** 1991 Apr 5;65(1):5–8 (17 ref.)
T cell antigen receptor activation pathways: the tyrosine kinase connection. Klausner RD, et al. **Cell** 1991 Mar 8; 64(5):875–8 (29 ref.)
Recent insights in phosphatidylinositol signaling. Majerus PW, et al. **Cell** 1990 Nov 2;63(3):459–65 (73 ref.)
Cell signaling by second messenger waves. Meyer T. **Cell** 1991 Feb 22;64(4):675–8 (25 ref.)
Nuclear import-export: in search of signals and mechanisms. Nigg EA, et al. **Cell** 1991 Jul 12;66(1):15–22 (35 ref.)
Poly(A) signals. Proudfoot N. **Cell** 1991 Feb 22;64(4):671–4 (28 ref.)
Stimulus-response coupling: the search for intracellular calcium mediator proteins. Smith VL, et al. **Cell Regul** 1990 Jan;1(2):165–72 (90 ref.)
Interplay between insulin signalling and protein kinase C. Grunberger G. **Cell Signal** 1991;3(3):171–7 (52 ref.)
Lymphokine signal transduction. Guy GR, et al. **Cell Signal** 1990;2(5):415–25 (105 ref.)
Tumour necrosis factor signal transduction. Krönke M, et al. **Cell Signal** 1990;2(1):1–8 (71 ref.)
Signal transduction via G-protein-linked receptors: physiological regulation from the plasma membrane to the genome. Malbon CC, et al. **Chin J Physiol** 1991; 34(1):105–20 (39 ref.)
Signaling mechanisms in T cells. Rao A. **Crit Rev Immunol** 1991;10(6):495–519 (234 ref.)
Extracellular factors, signalling pathways and differentiation of adipose precursor cells. Ailhaud G. **Curr Opin Cell Biol** 1990 Dec;2(6):1043–9 (6 ref.)
The role of phospholipases and phospholipid-derived signals in cell activation. Ferguson JE, et al. **Curr Opin Cell Biol** 1991 Apr;3(2):206–12 (55 ref.)
Signal transduction and gene control. Karin M. **Curr Opin Cell Biol** 1991 Jun;3(3):467–73 (51 ref.)
Transcriptional control and the integration of cell-autonomous and environmental cues during development. Karin M. **Curr Opin Cell Biol** 1990 Dec; 2(6):996–1002 (24 ref.)
Signals involved in interleukin 1 synthesis and release by lipopolysaccharide-stimulated monocytes/macrophages. Cavaillon JM, et al. **Cytokine** 1990 Sep;2(5):313–29 (210 ref.)
G proteins and modulation of insulin secretion. Robertson RP, et al. **Diabetes** 1991 Jan;40(1):1–6 (40 ref.)
Intracellular signal transduction pathways in sponges. Müller WE, et al. **Electron Microsc Rev** 1990;3(1):97–114 (100 ref.)
Structural heterogeneity of membrane receptors and GTP-binding proteins and its functional consequences for signal transduction. Boege F, et al. **Eur J Biochem** 1991 Jul 1;199(1):1–15 (251 ref.)
'Crosstalk': a pivotal role for protein kinase C in modulating relationships between signal transduction pathways. Houslay MD. **Eur J Biochem** 1991 Jan 1;195(1):9–27 (222 ref.)
Sensory transduction in eukaryotes. A comparison between Dictyostelium and vertebrate cells. Van Haastert PJ, et al. **Eur J Biochem** 1991 Jan 30;195(2):289–303 (334 ref.)
Transduction of receptor signal into modulation of effector activity by G proteins: the first 20 years or so .... Birnbaumer L. **FASEB J** 1990 Nov;4(14):3178–88 (108 ref.)
Role of phospholipase in generating lipid second messengers in signal transduction. Dennis EA, et al. **FASEB J** 1991 Apr;5(7):2068–77 (51 ref.)
Structure-activity relationships for transmembrane signaling: the receptor's turn. Hollenberg MD. **FASEB J** 1991 Feb; 5(2):178–86 (59 ref.)
Signal transduction mechanisms through Fc gamma receptors on the mouse macrophage surface. Suzuki T. **FASEB J** 1991 Feb;5(2):187–93 (56 ref.)
Function follows form: generation of intracellular signals by cell deformation. Watson PA. **FASEB J** 1991 Apr; 5(7):2013–9 (49 ref.)
Nitric oxide. A novel signal transduction mechanism for transcellular communication. Ignarro LJ. **Hypertension** 1990 Nov;16(5):477–83 (49 ref.)
Adenosine receptors and signaling in the kidney. Spielman WS, et al. **Hypertension** 1991 Feb;17(2):117–30 (102 ref.)

Signalling in B cells. Alés-Martínez JE, et al. **Immunol Today** 1991 Jun;12(6):201–5 (52 ref.)
T-cell development and transmembrane signaling: changing biological responses through an unchanging receptor. Finkel TH, et al. **Immunol Today** 1991 Feb;12(2):79–85 (79 ref.)
The biology of beta-adrenergic receptors: analysis in human epidermoid carcinoma A431 cells. Wang HY, et al. **Int J Biochem** 1991;23(1):7–20 (109 ref.)
Mechanisms of chemosensory transduction in taste cells. Akabas MH. **Int Rev Neurobiol** 1990;32:241–79 (223 ref.)
Transmembrane signaling, then and now: the decade of the eighties. Badwey JA. **J Bioenerg Biomembr** 1991 Feb; 23(1):1–5 (37 ref.)
Second messengers derived from inositol lipids. Catt KJ, et al. **J Bioenerg Biomembr** 1991 Feb;23(1):7–27 (134 ref.)
Cell regulation by sphingosine and more complex sphingolipids. Merrill AH Jr. **J Bioenerg Biomembr** 1991 Feb;23(1):83–104 (148 ref.)
Lipoxins: eicosanoids carrying intra- and intercellular messages. Serhan CN. **J Bioenerg Biomembr** 1991 Feb; 23(1):105–22 (75 ref.)
Bifunctional role of glycosphingolipids. Modulators for transmembrane signaling and mediators for cellular interactions. Hakomori S. **J Biol Chem** 1990 Nov 5; 265(31):18713–6 (86 ref.)
Signals for cardiac muscle hypertrophy in hypertension. Kent RL, et al. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S7–13 (57 ref.)
Signal transduction by the receptors for platelet-derived growth factor. Heldin CH, et al. **J Cell Sci** 1990 Jun;96 (Pt 2):193–6 (51 ref.)
Signals in limb development: STOP, GO, STAY and POSITION. Wolpert L. **J Cell Sci Suppl** 1990;13:199–208 (43 ref.)
Ontogenesis of transmembrane signaling systems for control of cardiac Ca2+ channels. Kojima M, et al. **J Dev Physiol** 1990 Oct;14(4):181–219 (236 ref.)
B lymphocyte activation: the transferrin receptor as a prototype intermediate activation molecule. Ashman RF. **J Lab Clin Med** 1990 Dec;116(6):759–65 (15 ref.)
Oscillating intracellular Ca2+ signals evoked by activation of receptors linked to inositol lipid hydrolysis: mechanism of generation. Petersen OH, et al. **J Membr Biol** 1990 Nov; 118(2):93–105 (110 ref.)
Haloadaptation: salt sensing and cell-envelope changes. Russell NJ, et al. **Microbiol Sci** 1985 Nov;2(11):345–50 (39 ref.)
Signal transduction and gene regulation through the phosphorylation of two regulatory components: the molecular basis for the osmotic regulation of the porin genes. Mizuno T, et al. **Mol Microbiol** 1990 Jul;4(7):1077–82 (47 ref.)
The GTPase superfamily: a conserved switch for diverse cell functions. Bourne HR, et al. **Nature** 1990 Nov 8; 348(6297):125–32 (129 ref.)
Synaptic receptors and intracellular signal transduction in the cerebellum. Okamoto K, et al. **Neurosci Res** 1991 Jan; 9(4):213–37 (306 ref.)
GAP-43 as a 'calmodulin sponge' and some implications for calcium signalling in axon terminals. Skene JH. **Neurosci Res Suppl** 1990;13:S112–25 (50 ref.)
The role of phosphatases in signal transduction. Alexander DR. **New Biol** 1990 Dec;2(12):1049–62 (132 ref.)
Signal transduction in bacteria: kinases that control gene expression. Igo MM, et al. **New Biol** 1990 Jan;2(1):5–9 (33 ref.)
G protein diversity and the regulation of signaling pathways. Reed RR. **New Biol** 1990 Nov;2(11):957–60 (29 ref.)
Oscillatory Ca2+ signaling and its cellular function. Tsunoda Y. **New Biol** 1991 Jan;3(1):3–17 (92 ref.)
Structure and function of G protein coupled receptors. Lameh J, et al. **Pharm Res** 1990 Dec;7(12):1213–21 (62 ref.)
Organization of intracellular calcium signals generated by inositol lipid-dependent hormones. Rooney TA, et al. **Pharmacol Ther** 1991;49(3):223–37 (119 ref.)
Phosphatidyl inositol metabolism and its role in signal transduction in growing plants. Lehle L. **Plant Mol Biol** 1990 Oct;15(4):647–58 (110 ref.)
Neuronal plasticity in normal aging and deficient plasticity in Alzheimer's disease: a proposed intercellular signal cascade. Coleman PD, et al. **Prog Brain Res** 1990;86:75–87 (111 ref.)
Triple signal transduction model for the mechanism of PGE2 actions in rabbit cortical collecting duct. Hébert RL, et al. **Prostaglandins Leukot Essent Fatty Acids** 1991 Mar; 42(3):143–8 (36 ref.)
The old and the new in transformed cell signalling: glycolysis, diacylglycerol and protein kinase C. Chiarugi V, et al. **Second Messengers Phosphoproteins** 1990; 13(1):69–85 (86 ref.)
Signal transduction for chemotaxis in Dictyostelium amoebae. Newell PC, et al. **Semin Cell Biol** 1990 Apr; 1(2):105–13 (72 ref.)
Kinetics and amplification in neutrophil activation and adaptation. Sklar LA, et al. **Semin Cell Biol** 1990 Apr; 1(2):115–23 (27 ref.)
The regulation of T-cell antigen receptor signal transduction function. Weiss A, et al. **Transplant Proc** 1991 Feb;23(1 Pt 1):32–3 (19 ref.)
Transmembrane signalling to adenylate cyclase in mammalian cells and in Saccharomyces cerevisiae. Levitzki A. **Trends Biochem Sci** 1988 Aug;13(8):298–301 (29 ref.)
Serine/threonine protein kinases in Drosophila. Siegfried E, et al. **Trends Genet** 1990 Nov;6(11):357–62 (44 ref.)
[Mechanism of the cell communication transduction system] Tada S, et al. **Arerugi** 1990 Jun;39(6):495–501 (30 ref.) **(Jpn)**
[T cell antigen receptor—structure, expression and function] Saito T. **Hum Cell** 1990 Oct;3(3):183–92 (29 ref.) (Eng. Abstr.) **(Jpn)**
[Alterations in myocardial adrenoceptor transduction systems in health and disease] Tobise K, et al. **Kokyu To Junkan** 1991 Apr;39(4):311–9 (51 ref.) **(Jpn)**
[Second messengers and protein phosphorylation in cellular signal transduction] Kuno T. **Nippon Yakurigaku Zasshi** 1990 Aug;96(2):41–7 (28 ref.) (Eng. Abstr.) **(Jpn)**
[Protein kinases in signalling of T-cell growth] Onoue K, et al. **Ryumachi** 1990 Apr;30(2):133–42 (46 ref.) **(Jpn)**
[Signal transduction mechanism of Ca2(+)-mobilizing hormone receptor and GTP binding proteins] Okajima F. **Seikagaku** 1990 Sep;62(9):1117–43 (216 ref.) **(Jpn)**
[G proteins] Velarde V, et al. **Rev Med Chil** 1990 May; 118(5):580–6 (39 ref.) (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Modification of the eicosanoid system and cell signalling by precursor fatty acids. Weber PC, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21A:217–24 (27 ref.)
Effects of extracellular ATP on phosphatidylcholine phospholipase signaling systems. Exton JH. **Ann N Y Acad Sci** 1990;603:246–54; discussion 254–5 (33 ref.)
Effects of alcohol on polyphosphoinositide-mediated intracellular signaling. Hoek JB, et al. **Ann N Y Acad Sci** 1991;625:375–87 (17 ref.)
Observations on the mechanism of action of FK-506. A pharmacologic probe of lymphocyte signal transduction. Sigal NH, et al. **Biochem Pharmacol** 1990 Nov 15; 40(10):2201–8 (55 ref.)
An overview of beta-adrenoceptors and signal transduction—desensitization in cardiac disease and effect of beta-blockade. Fu LX, et al. **Int J Cardiol** 1991 Mar; 30(3):261–8 (61 ref.)
Phosphoinositide-mediated signal transduction in normal and psoriatic epidermis. Fisher GJ, et al. **J Invest Dermatol** 1990 Nov;95(5):15S–17S (9 ref.)
The 5-HT receptor—G-protein—effector system complex in depression. I. Effect of glucocorticoids. Lesch KP, et al. **J Neural Transm Gen Sect** 1991;84(1-2):3–18 (89 ref.)
Photosensitizing action of furocoumarins on membrane components and consequent intracellular events [published erratum appears in J Photochem Photobiol B 1991 May;9(2):235] Dall'Acqua F, et al. **J Photochem Photobiol B** 1991 Feb;8(3):235–54 (112 ref.)
The colony-stimulating factor 1 receptor: pleiotropy of signal-response coupling. Sherr CJ. **Lymphokine Res** 1990 Winter;9(4):543–8 (35 ref.)
Modifications of cell signalling in the cytotoxicity of metals. Rossi A, et al. **Pharmacol Toxicol** 1991 Jun;68(6):424–9 (56 ref.)
Signalling targets for anticancer drug development. Powis G. **Trends Pharmacol Sci** 1991 May;12(5):188–94 (34 ref.)

GENETICS

Signal transduction and gene expression in Dictyostelium discoideum. Dottin RP, et al. **Dev Genet** 1991;12(1-2):2–5 (33 ref.)
Nuclear targets for transcription regulation by oncogenes. Gutman A, et al. **Trends Genet** 1991 Feb;7(2):49–54 (41 ref.)

IMMUNOLOGY

T lymphocyte activation: a biological model of signal transduction. Altman A, et al. **Crit Rev Immunol** 1990; 10(4):347–91 (568 ref.)
T-cell receptor isoforms and signal transduction. Koyasu S, et al. **Curr Opin Immunol** 1991 Feb;3(1):32–9 (36 ref.)
The role of high and low affinity IgE receptors in cell signalling processes. Stanworth DR, et al. **Mol Immunol** 1990 Dec;27(12):1291–6 (25 ref.)
Lymphokine signal transduction. Guy GR, et al. **Prog Growth Factor Res** 1990;2(1):45–70 (198 ref.)

PHYSIOLOGY

How does the arterial endothelium sense flow? Hemodynamic forces and signal transduction. Davies PF, et al. **Adv Exp Med Biol** 1990;273:281–93 (47 ref.)
Interleukins, signal transduction, and the immune system-mediated stress response. Eskay RL, et al. **Adv Exp Med Biol** 1990;274:331–43 (60 ref.)
Signaling mechanisms in microorganisms: common themes in the evolution of signal transduction pathways. Kincaid RL. **Adv Second Messenger Phosphoprotein Res** 1991; 23:165–84 (77 ref.)
Transmembrane signal transduction pathways in Dictyostelium. Van Haastert PJ. **Adv Second Messenger Phosphoprotein Res** 1991;23:185–226 (185 ref.)
Histamine receptors and interactions between second messenger transduction systems. Hill SJ. **Agents Actions Suppl** 1991;33:145–59 (31 ref.)
The Egr family of nuclear signal transducers. Sukhatme VP. **Am J Kidney Dis** 1991 Jun;17(6):615–8 (20 ref.)
Cellular basis of hormonal actions in the glomerulus. Menè P, et al. **Am J Nephrol** 1990;10 Suppl 1:28–35 (46 ref.)
Regulation of water and salt transport in collecting duct through calcium-dependent signaling mechanisms. Breyer MD. **Am J Physiol** 1991 Jan;260(1 Pt 2):F1–11 (110 ref.)
Bombesin stimulation of mitogenesis. Specific receptors, signal transduction, and early events. Rozengurt E. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S11–5 (51 ref.)
Biosensors and the transduction of molecular recognition. Thompson M, et al. **Anal Chem** 1991 Apr 1; 63(7):393A–405A (36 ref.)
Inositol phosphates in receptor-mediated cell signaling: metabolic origins and interrelationships. Kirk CJ, et al. **Biotechnol Appl Biochem** 1990 Oct;12(5):489–95 (34 ref.)
Molecular biology of adrenergic receptors: model systems for the study of G-protein-mediated signal transduction. Fraser CM. **Blood Vessels** 1991;28(1-3):93–103 (39 ref.)
Interaction of vascular alpha-1 adrenoceptors with multiple signal transduction pathways. Ruffolo RR Jr, et al. **Blood Vessels** 1991;28(1-3):122–8 (21 ref.)
Transcription factor phosphorylation: a link between signal transduction and the regulation of gene expression. Bohmann D. **Cancer Cells** 1990 Nov;2(11):337–44 (48 ref.)
Cytoplasmic calcium oscillations: a two pool model. Berridge MJ. **Cell Calcium** 1991 Feb-Mar;12(2-3):63–72 (71 ref.)
The hepatocyte calcium oscillator. Cobbold PH, et al. **Cell Calcium** 1991 Feb-Mar;12(2-3):87–95 (27 ref.)
The four dimensions of calcium signalling in Xenopus oocytes. Delisle S. **Cell Calcium** 1991 Feb-Mar; 12(2-3):217–27 (120 ref.)
Signal-induced Ca2+ oscillations: properties of a model based on Ca(2+)-induced Ca2+ release. Dupont G, et al. **Cell Calcium** 1991 Feb-Mar;12(2-3):73–85 (54 ref.)
Calcium oscillations in endothelial cells. Jacob R. **Cell Calcium** 1991 Feb-Mar;12(2-3):127–34 (30 ref.)
Repetitive calcium transients in hamster oocytes. Miyazaki S. **Cell Calcium** 1991 Feb-Mar;12(2-3):205–16 (43 ref.)
Receptor-activated cytoplasmic Ca2+ oscillations in pancreatic acinar cells: generation and spreading of Ca2+ signals. Petersen OH, et al. **Cell Calcium** 1991 Feb-Mar; 12(2-3):135–44 (44 ref.)
Spatial and temporal organization of calcium signalling in hepatocytes. Thomas AP, et al. **Cell Calcium** 1991 Feb-Mar;12(2-3):111–26 (87 ref.)
A new hematopoietic growth factor receptor superfamily: structural features and implications for signal transduction. D'Andrea AD, et al. **Curr Opin Cell Biol** 1990 Aug; 2(4):648–51 (18 ref.)
Control of cAMP-induced gene expression by divergent signal transduction pathways. Peters DJ, et al. **Dev Genet** 1991;12(1-2):25–34 (86 ref.)
Elusive proximal signals of beta-cells for insulin secretion. MacDonald MJ. **Diabetes** 1990 Dec;39(12):1461–6 (42 ref.)
Molecules of the extracellular matrix: potential role of collagens and glycoproteins in intestinal adaptation. Schuppan D, et al. **Digestion** 1990;46 Suppl 2:2–11 (53 ref.)
Neuropeptides as cellular growth factors: role of multiple signalling pathways. Rozengurt E. **Eur J Clin Invest** 1991 Apr;21(2):123–34 (105 ref.)
GTP binding proteins and signal transduction in the human neutrophil. Weingarten R, et al. **Immunol Lett** 1990 Oct; 26(1):1–6 (35 ref.)
Regulation of IgE synthesis in humans: a tale of two signals. Vercelli D, et al. **J Allergy Clin Immunol** 1991 Sep;88(3 Pt 1):285–95 (100 ref.)
Diversity in receptor signalling: cellular individuality and the search for selective drugs. Fredholm BB. **J Intern Med** 1991 May;229(5):391–406 (99 ref.)
Regulation of insulin action at the cellular level. Lönnroth P. **J Intern Med Suppl** 1991;735:23–9 (65 ref.)
On the origins and present state of the art of G protein research. Birnbaumer L. **J Recept Res** 1991;11(1-4):577–85 (55 ref.)
Involvement of calcium and inositol phosphates in amphibian egg activation. Busa WB. **J Reprod Fertil Suppl** 1990; 42:155–61 (39 ref.)
Excitation, activation and sperm entry in voltage-clamped sea-urchin eggs. Chambers EL, et al. **J Reprod Fertil Suppl** 1990;42:117–32 (33 ref.)
First messengers at fertilization. Jaffe LA. **J Reprod Fertil Suppl** 1990;42:107–16 (45 ref.)
Zona pellucida-mediated signal transduction in mammalian spermatozoa. Kopf GS. **J Reprod Fertil Suppl** 1990; 42:33–49 (67 ref.)
Cell signalling at fertilization of hamster eggs. Miyazaki S. **J Reprod Fertil Suppl** 1990;42:163–75 (44 ref.)
Molecular mechanisms of sea-urchin sperm activation before fertilization. Shapiro BM, et al. **J Reprod Fertil Suppl** 1990; 42:3–8 (39 ref.)
Signal transduction during mesoderm induction in Xenopus. Whitman M, et al. **J Reprod Fertil Suppl** 1990;42:249–54 (41 ref.)
Signal transduction in olfactory neurons. Levy NS, et al. **J Steroid Biochem Mol Biol** 1991 Oct;39(4B):633–7 (12 ref.)
Hemodynamic forces and the biology of the endothelium: signal transduction pathways in endothelial cells subjected to physical forces in vitro. Sumpio BE. **J Vasc Surg** 1991 May;13(5):744–6 (11 ref.)
Molecular mechanisms of reception and transduction in

olfaction and taste. Kurihara K. **Jpn J Physiol** 1990; 40(3):305–24 (89 ref.)
Transmembrane signalling through G proteins. Miller RT. **Kidney Int** 1991 Mar;39(3):421–9 (92 ref.)
Signaling mechanisms coupled to the angiotensin receptor of proximal tubular epithelium. Douglas JG, et al. **Kidney Int Suppl** 1990 Nov;30:S43–7 (37 ref.)
Suppression of malignancy targeting the intracellular signal transducing proteins of cAMP: the use of site-selective cAMP analogs, antisense strategy, and gene transfer. Cho-Chung YS, et al. **Life Sci** 1991;48(12):1123–32 (74 ref.)
Regulation of IL-3, IL-4 and GM-CSF genes and signal transduction by their receptors. Arai N, et al. **Lymphokine Res** 1990 Winter;9(4):551–3 (11 ref.)
Studies on the mechanism of olfactory transduction in vertebrates. Gold GH, et al. **Neurosci Res Suppl** 1990; 12:S127–34 (10 ref.)
Role of Raf-1 serine/threonine protein kinase in growth factor signal transduction. Rapp UR. **Oncogene** 1991 Apr; 6(4):495–500 (43 ref.)
Transduction mechanisms for the taste of amino acids. Brand JG, et al. **Physiol Behav** 1991 May;49(5):899–904 (26 ref.)
Studies of EGF-mediated growth control and signal transduction using the MDA-MB-468 human breast cancer cell line. Buick RN, et al. **Prog Clin Biol Res** 1990; 354A:179–91 (29 ref.)
Lipid metabolism and signal transduction in endothelial cells. Whatley RE, et al. **Prog Lipid Res** 1990;29(1):45–63 (164 ref.)
Hormone receptors and cellular signal transduction. Gautvik KM, et al. **Scand J Clin Lab Invest Suppl** 1990;202:123–6 (18 ref.)
G-proteins and their involvement in hormonal signal transduction. Gordeladze JO, et al. **Scand J Clin Lab Invest Suppl** 1990;202:127–30 (15 ref.)
Diversity of G proteins in signal transduction. Simon MI, et al. **Science** 1991 May 10;252(5007):802–8 (86 ref.)
Regulation of intracellular calcium in epithelial cells. Muallem S, et al. **Semin Cell Biol** 1990 Aug;1(4):305–10 (36 ref.)
Signal pathway of Na+ in fused renal epithelial cells. Oberleithner H. **Toxicol Lett** 1990 Sep;53(1–2):13–7 (7 ref.)
RAS genes in Saccharomyces cerevisiae: signal transduction in search of a pathway. Broach JR. **Trends Genet** 1991 Jan;7(1):28–33 (42 ref.)
Is interleukin 2 a neuromodulator in the brain? Nisticò G, et al. **Trends Neurosci** 1991 Apr;14(4):146–50 (56 ref.)
[Second messenger systems in the gastrointestinal tract] Pfeiffer A, et al. **Z Gastroenterol Verh** 1991 Mar;26:273–7 (30 ref.) **(Ger)**
[Mitogenic signaling pathways of growth factors can be distinguished by the involvement of pertussis toxin-sensitive GTP-binding protein and of protein kinase C] Kohno M. **Seikagaku** 1991 Jun;63(6):415–21 (21 ref.) **(Jpn)**
[The evolutionary pathways of the systems realizing the hormonal signal] Pertseva MN. **Fiziol Zh SSSR** 1990 Sep; 76(9):1126–37 (45 ref.) (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Effects of low-energy electromagnetic fields (pulsed and DC) on membrane signal transduction processes in biological systems. Luben RA. **Health Phys** 1991 Jul; 61(1):15–28 (88 ref.)

SILAGE

Antagonistic activities of lactic acid bacteria in food and feed fermentations. Lindgren SE, et al. **FEMS Microbiol Rev** 1990 Sep;7(1–2):149–63 (145 ref.)

STANDARDS

Forage quality analyses and interpretation. Linn JG, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):509–23 (17 ref.)

SILASTICS see **SILICONE ELASTOMERS**

SILIBININ see **SILYMARIN**

SILICA

Relationship of inflammatory cell cytokines to disease severity in individuals with occupational inorganic dust exposure. Rom WN. **Am J Ind Med** 1991;19(1):15–27 (50 ref.)
Cutaneous silica granuloma. A rare entity or rarely diagnosed? Report of two cases with review of the literature. Mowry RG, et al. **Arch Dermatol** 1991 May; 127(5):692–4 (15 ref.)
Food analysis on silica-bound HPLC phases. Khurana AL. **Crit Rev Food Sci Nutr** 1990;29(3):197–235 (256 ref.)
Hypothesis: is lung disease after silicate inhalation caused by oxidant generation? Ghio AJ, et al. **Lancet** 1990 Oct 20;336(8721):967–9 (35 ref.)

ADVERSE EFFECTS

Silica and lung cancer: a controversial issue. Pairon JC, et al. **Eur Respir J** 1991 Jun;4(6):730–44 (107 ref.)
[Dental prosthesis technician, a subject with risk of Erasmus syndrome. Apropos of a case] Caux F, et al. **Ann Dermatol Venereol** 1991;118(4):301–4 (20 ref.) **(Fre)**
[Balkan nephropathy and urothelial cancer] Markovic B. **J Urol (Paris)** 1990;96(6):349–52 (18 ref.) (Eng. Abstr.) **(Fre)**
[Silica, silicones and connectivitis. 20 cases] Koeger AC, et al. **Rev Rhum Mal Osteoartic** 1991 Feb;58(2):113–20 (39 ref.) **(Fre)**
[The role of fibronectin in the pathogenesis of pneumoconiosis (review of the literature)] Iaglov VV, et al. **Gig Tr Prof Zabol** 1991;(2):29–30 (12 ref.) **(Rus)**

ANALYSIS

[Silicate urolithiasis: a case report] Irisawa C, et al. **Hinyokika Kiyo** 1991 Mar;37(3):267–71 (20 ref.) (Eng. Abstr.) **(Jpn)**
[Silica calculi: a case report] Nishikawa Y, et al. **Hinyokika Kiyo** 1991 Jun;37(6):625–7 (19 ref.) (Eng. Abstr.) **(Jpn)**

TOXICITY

Chemical functionalities at the silica surface determining its reactivity when inhaled. Formation and reactivity of surface radicals. Fubini B, et al. **Toxicol Ind Health** 1990 Dec;6(6):571–98 (69 ref.)

SILICIC ACID

ADVERSE EFFECTS

Health effects of tremolite. This official statement of the American Thoracic Society was adopted by the ATS Board of Directors, June 1990. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 1):1453–8 (58 ref.)

SILICON

see related
ASBESTOS
[Silicon, a trace element essential for living organisms. Recent knowledge on its preventive role in atherosclerotic process, aging and neoplasms] Mancinella A. **Clin Ter** 1991 Jun 15; 137(5):343–50 (45 ref.) (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Pathogenic and carcinogenic properties of silicon carbide. Cichy B. **Pol J Occup Med** 1989;2(1):87–96 (29 ref.)

ANALYSIS

Silicon in foods and diets. Pennington JA. **Food Addit Contam** 1991 Jan–Feb;8(1):97–118 (53 ref.)

METABOLISM

["Silicon--metabolic aspects of its effect on human body"] Najda J, et al. **Przegl Lek** 1990;47(11):756–9 (21 ref.) **(Pol)**

SILICONE ELASTOMERS

Subperiosteal volume augmentation of the anophthalmic socket with RTV silastic. Conn H, et al. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:220–8 (25 ref.)
Toxic shock syndrome following insertion of breast prostheses. Olesen LL, et al. **Br J Surg** 1991 May; 78(5):585–6 (12 ref.)
Twenty-five years of clinical application of a heat-cured silicone rubber. Ryan JE. **J Prosthet Dent** 1991 May; 65(5):658–61 (14 ref.)

ADVERSE EFFECTS

An unusual complication of silastic dural substitute: case report. Ng TH, et al. **Neurosurgery** 1990 Sep;27(3):491–3 (12 ref.)
[Posterior fossa hemorrhage 11 years after the use of silastic dural substitute: case report] Gondo G, et al. **No Shinkei Geka** 1991 Jan;19(1):59–62 (8 ref.) (Eng. Abstr.) **(Jpn)**

SILICONES

Silicone, fibrel, and collagen implantation for facial lines and wrinkles. Pollack SV. **J Dermatol Surg Oncol** 1990 Oct; 16(10):957–61 (16 ref.)
Roentgenographic evaluation of the augmented breast. Douglas KP, et al. **South Med J** 1991 Jan;84(1):49–54 (28 ref.)

ADVERSE EFFECTS

Is silicone associated with connective tissue disease? Seleznick MJ, et al. **J Fla Med Assoc** 1991 Feb;78(2):85–7 (31 ref.)
[Silica, silicones and connectivitis. 20 cases] Koeger AC, et al. **Rev Rhum Mal Osteoartic** 1991 Feb;58(2):113–20 (39 ref.) **(Fre)**

SILICOPOLYACRYLATE CEMENT see **GLASS IONOMER CEMENTS**

SILICOSIS

Silica and lung cancer: a controversial issue. Pairon JC, et al. **Eur Respir J** 1991 Jun;4(6):730–44 (107 ref.)

COMPLICATIONS

[Dental prosthesis technician, a subject with risk of Erasmus syndrome. Apropos of a case] Caux F, et al. **Ann Dermatol Venereol** 1991;118(4):301–4 (20 ref.) **(Fre)**

ETIOLOGY

Hypothesis: is lung disease after silicate inhalation caused by oxidant generation? Ghio AJ, et al. **Lancet** 1990 Oct 20;336(8721):967–9 (35 ref.)
[The role of fibronectin in the pathogenesis of pneumoconiosis (review of the literature)] Iaglov VV, et al. **Gig Tr Prof Zabol** 1991;(2):29–30 (12 ref.) **(Rus)**

HISTORY

Historical perspectives in occupational medicine. Diatomaceous earth silicosis. Abrams HK. **Am J Ind Med** 1990;18(5):591–7 (31 ref.)

RADIOGRAPHY

Computed tomography and high-resolution computed tomography of pneumoconioses. Gamsu G. **J Occup Med** 1991 Jul;33(7):794–6 (17 ref.)
Computed tomographic scanning of the thorax in workers at risk of or with silicosis. Bégin R, et al. **Semin Ultrasound CT MR** 1990 Oct;11(5):380–92 (54 ref.)

SILVER

Mechanisms of protein silver staining in polyacrylamide gels: a 10-year synthesis. Rabilloud T. **Electrophoresis** 1990 Oct; 11(10):785–94 (63 ref.)

ANALYSIS

Applications of autometallography to heavy metal toxicology. Danscher G. **Pharmacol Toxicol** 1991 Jun; 68(6):414–23 (100 ref.)

PHARMACOLOGY

Bacterial interactions with silver. Slawson RM, et al. **Biol Met** 1990;3(3–4):151–4 (28 ref.)
An experimental study on silver in the nervous system and on aspects of its general cellular toxicity. Rungby J. **Dan Med Bull** 1990 Oct;37(5):442–9 (101 ref.)

SILYBIN see **SILYMARIN**

SILYMARIN

METABOLISM

[Biochemical mechanism of action of the flavonoid silybin: relationship with its therapeutic properties] Valenzuela A, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):75–83 (23 ref.) **(Spa)**

PHARMACOLOGY

[The pharmacodynamics of hepatic protectors from the lady's-thistle (Silybum marianum)] Rumiantseva ZhN. **Vrach Delo** 1991 May;(5):15–9 (40 ref.) **(Rus)**

SIMIAN ACQUIRED IMMUNODEFICIENCY SYNDROME

Naturally occurring animal models of the acquired immune deficiency syndrome (AIDS). Letvin NL, et al. **Am J Physiol Imaging** 1991;6(1):1–15 (45 ref.)
Immunologic and pathologic manifestations of the infection of rhesus monkeys with simian immunodeficiency virus of macaques. Letvin NL, et al. **J Acquir Immune Defic Syndr** 1990;3(11):1023–40 (35 ref.)

DRUG THERAPY

Nonhuman primate models for evaluation of AIDS therapy. McClure HM, et al. **Ann N Y Acad Sci** 1990;616:287–98 (51 ref.)

IMMUNOLOGY

Peptides derived from the CDR3-homologous domain of the CD4 molecule are specific inhibitors of HIV-1 and SIV infection, virus-induced cell fusion, and postinfection viral transmission in vitro. Implications for the design of small peptide anti-HIV therapeutic agents. Rausch DM, et al. **Ann N Y Acad Sci** 1990;616:125–48 (79 ref.)
SIV infection of macaques: a model for AIDS vaccine development. Gardner MB. **Dev Biol Stand** 1990;72:259–66 (28 ref.)

MICROBIOLOGY

Nonhuman primate lentiviruses: models for human infection. Kodama T, et al. **Dev Biol Stand** 1990;72:267–71 (20 ref.)

SIMIAN AIDS see **SIMIAN ACQUIRED IMMUNODEFICIENCY SYNDROME**

SIMIAN FOAMY VIRUSES see **SPUMAVIRINAE**

SIMIAN IMMUNODEFICIENCY VIRUSES see **SIV**

SIMIAN T-LYMPHOTROPIC VIRUS TYPE III see **SIV**

SIMIAN RETROVIRUSES

IMMUNOLOGY

SIV infection of macaques: a model for AIDS vaccine development. Gardner MB. **Dev Biol Stand** 1990;72:259–66 (28 ref.)

SIMIAN SARCOMA VIRUS PROTEINS see **ANTIGENS, POLYOMAVIRUS TRANSFORMING**

SIMIAN VIRUS 40 see **SV40 VIRUS**

SIMMONDS' DISEASE see **HYPOPITUITARISM**

SIMPLE REPETITIVE SEQUENCE see **REPETITIVE SEQUENCES, NUCLEIC ACID**

SIMULIIDAE

PARASITOLOGY

Onchocerciasis: a review of clinical, pathologic and chemotherapeutic aspects, and vector control program. Gibson DW, et al. **Prog Clin Parasitol** 1989;1:57–103 (199 ref.)

SIMULIUM see **SIMULIIDAE**

SIN-10 see **MOLSIDOMINE**

SINCALIDE

METABOLISM

Functional role of brain CCK receptors. Woodruff GN, et al. **Neuropeptides** 1991 Jul;19 Suppl:45–56 (79 ref.)

SINCALIDE RECEPTORS see **RECEPTORS, CHOLECYSTOKININ**

SINGLE PARENT

LEGISLATION & JURISPRUDENCE

Adoption and single parents: a review. Groze V. **Child Welfare** 1991 May–Jun;70(3):321–32 (31 ref.)

SINGLE-PARENT FAMILY see **SINGLE PARENT**

SINGLE PERSON

STATISTICS & NUMERICAL DATA

[Family status and coronary heart disease] Wagner U. **Z Arztl Fortbild (Jena)** 1991 Jun 10;85(11):517–21 (55 ref.) **(Ger)**

SINGLE-PHOTON ABSORPTIOMETRY see **ABSORPTIOMETRY, PHOTON**

SINGLE-PHOTON EMISSION-COMPUTED TOMOGRAPHY see **TOMOGRAPHY, EMISSION-COMPUTED, SINGLE-PHOTON**

SINGLE-STRANDED DNA see **DNA, SINGLE-STRANDED**

SINGLE-STRANDED DNA BINDING PROTEINS see **DNA-BINDING PROTEINS**

SINOATRIAL BLOCK

PHYSIOPATHOLOGY

[Physiopathology of the sinus node and sinoatrial conduction] Guize L, et al. **Arch Mal Coeur** 1990 Nov;83(12):1871–7 (26 ref.) (Eng. Abstr.) **(Fre)**

SINOATRIAL NODE

DRUG EFFECTS

Drug effects on the sinus node. A clinical perspective. Linker NJ, et al. **Cardiovasc Drugs Ther** 1988 Jul;2(2):165–70 (69 ref.)

PHYSIOLOGY

The mammalian sinoatrial node. Opthof T. **Cardiovasc Drugs Ther** 1988 Mar;1(6):573–97 (175 ref.)

Arrhythmias and clinical electrophysiology of the transplanted human heart. Liem LB, et al. **Semin Thorac Cardiovasc Surg** 1990 Jul;2(3):271–8 (37 ref.)

[Sinoatrial node: comments on its function and structure] Lesiak M, et al. **Kardiol Pol** 1990 Mar;33(3):191–9 (23 ref.) **(Pol)**

PHYSIOPATHOLOGY

Pacing in atrial arrhythmias. Sutton R. **PACE** 1990 Dec;13(12 Pt 2):1823–7 (36 ref.)

[Physiopathology of the sinus node and sinoatrial conduction] Guize L, et al. **Arch Mal Coeur** 1990 Nov;83(12):1871–7 (26 ref.) (Eng. Abstr.) **(Fre)**

[Efficacy and tolerance of disopyramide in arrhythmia associated with sinus node dysfunction] Brembilla-Perrot B, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):837–42 (15 ref.) (Eng. Abstr.) **(Fre)**

SINUS ARRHYTHMIA see **ARRHYTHMIA, SINUS**

SINUS OF VALSALVA

Sinus of Valsalva aneurysms. Goldberg N, et al. **Clin Cardiol** 1990 Dec;13(12):831–6 (41 ref.)

[Non-ruptured calcified aneurysm of the Valsalva's sinus with angina pectoris and aortic insufficiency. Surgical treatment] Varin J, et al. **Ann Cardiol Angeiol (Paris)** 1990 Sep;39(7):411–5 (13 ref.) (Eng. Abstr.) **(Fre)**

[Complementary transthoracic and transesophageal echo-doppler in the diagnosis of rupture of the sinus of Valsalva in right heart. Apropos of 4 cases] Jimenez M, et al. **Arch Mal Coeur Vaiss** 1991 Mar;84(3):387–92 (18 ref.) (Eng. Abstr.) **(Fre)**

[Mycotic aneurysm of the sinus of Valsalva and complete atrioventricular block complicating infectious endocarditis with aortic regurgitation: a case report] Abe M, et al. **J Cardiol Suppl** 1991;25:187–94; discussion 195–6 (11 ref.) (Eng. Abstr.) **(Jpn)**

SINUS THROMBOSIS

ETIOLOGY

Cerebrovascular complications of inflammatory bowel disease. Johns DR. **Am J Gastroenterol** 1991 Mar; 86(3):367–70 (45 ref.)

[Cerebral sinus vein thrombosis in Behçet's disease] Borer H, et al. **Schweiz Med Wochenschr** 1991 May 25; 121(21):788–92 (53 ref.) (Eng. Abstr.) **(Ger)**

SINUSITIS

The approach to acute and chronic sinusitis in children. Younis RT, et al. **Ear Nose Throat J** 1991 Jan;70(1):35–9 (27 ref.)

Management of sinusitis. Slavin RG. **J Am Geriatr Soc** 1991 Feb;39(2):212–7 (32 ref.)

Pediatric sinus problems. Bernstein L. **Otolaryngol Clin North Am** 1971 Feb;4(1):127–42 (8 ref.)

Acute and chronic sinusitis. Litton WB. **Otolaryngol Clin North Am** 1971 Feb;4(1):25–37 (4 ref.)

The diagnosis and treatment of suppurative sinus disease in children. Ritter FN. **Otolaryngol Clin North Am** 1970 Jun; 3(2):295–301 (4 ref.)

[Childhood sinusitis. A description and comments based on a 10-year series of cases] De Prà M, et al. **Minerva Pediatr** 1990 Dec;42(12):515–30 (23 ref.) (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Upper respiratory disease, sinusitis, and polyposis. King VV. **Clin Rev Allergy** 1991 Spring-Summer;9(1–2):143–57 (38 ref.)

Current management and treatment of complications of sinusitis in children. Gurucharri MJ, et al. **Ear Nose Throat J** 1991 Feb;70(2):107–12 (5 ref.)

[A case of multiple inflammatory tracheo-bronchial polyps associated with chronic sinusitis] Sugihara R, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Nov; 28(11):1494–8 (20 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Emerging techniques in the diagnosis of sinusitis. Druce HM. **Ann Allergy** 1991 Feb;66(2):132–6 (61 ref.)

Pediatric sinusitis: diagnosis and management with endoscopic techniques. Duplechain JK, et al. **J La State Med Soc** 1991 May;143(5):7–13 (13 ref.)

DRUG THERAPY

Sheldon Memorial Lecture. Medical management of nasal polyps and sinusitis. Slavin RG. **J Allergy Clin Immunol** 1991 Aug;88(2):141–6 (26 ref.)

ETIOLOGY

Sinusitis. Friedman RA, et al. **Annu Rev Med** 1991;42:471–89 (29 ref.)

Paranasal sinusitis. Geriatric considerations. McMahan JT. **Otolaryngol Clin North Am** 1990 Dec;23(6):1169–77 (27 ref.)

[Sinusitis during nasotracheal intubation] Dubin J, et al. **Rev Laryngol Otol Rhinol (Bord)** 1989;110(1):93–6 (13 ref.) (Eng. Abstr.) **(Fre)**

[Non-clostridial anaerobic infection of the oral cavity and the ORL organs] Mironov AIu. **Vestn Otorinolaringol** 1990 Nov–Dec;(6):76–8 (20 ref.) **(Rus)**

[Sinusitis] Emhart O. **Rev Chil Pediatr** 1989 Mar–Apr; 60(2):112–7 (12 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

[ORL versus naso-sinusal allergy] Elbaz P. **Allerg Immunol (Paris)** 1991 Jan;23(1):19–22 (1 ref.) (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Sinus aspergillosis and allergic fungal sinusitis. Hartwick RW, et al. **Ann Otol Rhinol Laryngol** 1991 May;100(5 Pt 1):427–30 (19 ref.)

PHYSIOPATHOLOGY

The sinusitis cycle. Reilly JS. **Otolaryngol Head Neck Surg** 1990 Nov;103(5 (Pt 2)):856–61; discussion 861–2 (31 ref.)

RADIOGRAPHY

Inflammatory diseases of the paranasal sinuses. Zizmor J, et al. **Otolaryngol Clin North Am** 1973 Jun;6(2):459–72 (4 ref.)

SURGERY

[Endoscopic nasal sinus surgery] Wang ZZ. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1990 Aug; 25(4):243–5 (19 ref.) **(Chi)**

[Sinusitis in childhood] Gates GA. **Arch Otorhinolaryngol Suppl** 1991;1:67–78 (63 ref.) **(Ger)**

THERAPY

The medical treatment of sinusitis. Smith JM, et al. **Otolaryngol Clin North Am** 1971 Feb;4(1):39–55 (44 ref.)

SINUSITIS, ETHMOID see **ETHMOID SINUSITIS**

SINUSITIS, FRONTAL see **FRONTAL SINUSITIS**

SINUSITIS, MAXILLARY see **MAXILLARY SINUSITIS**

SINUSITIS, SPHENOID see **SPHENOID SINUSITIS**

SIPHONAPTERA see **FLEAS**

SIPPLE SYNDROME see **NEOPLASMS, MULTIPLE ENDOCRINE**

SIPUNCULIDA see **NEMATODA**

SIRENOMELIA see **ECTROMELIA**

SIS GENES see **ONCOGENES**

SISTER CHROMATID EXCHANGE

Nature and role of high sister chromatid exchanges in Bloom syndrome cells. Some cytogenetic and immunological aspects. Shiraishi Y. **Cancer Genet Cytogenet** 1990 Dec; 50(2):175–87 (33 ref.)

[Sister chromatid exchanges in the cells of higher eukaryotes] Lazutka IuS. **Tsitologiia** 1990;32(10):977–84 (57 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

[Cytogenetic changes in peripheral blood lymphocytes of oncology patients] Polishchuk LZ, et al. **Tsitol Genet** 1990 Nov–Dec;24(6):46–56 (103 ref.) (Eng. Abstr.) **(Rus)**

SITE-DIRECTED MUTAGENESIS see **MUTAGENESIS, SITE-DIRECTED**

SITE MAPPING, RESTRICTION see **RESTRICTION MAPPING**

SITE-SPECIFIC MUTAGENESIS see **MUTAGENESIS, SITE-DIRECTED**

SITUATIONAL ETHICS see **ETHICS**

SITUS INVERSUS

COMPLICATIONS

Prolonged survival with isolated levocardia and situs inversus. Vijayakumar V, et al. **Cleve Clin J Med** 1991 May–Jun;58(3):243–7 (25 ref.)

[Cystic ureteritis. Presentation of a new case and review of the most recent national literature] Luque Arana JI, et al. **Arch Esp Urol** 1990 Jul–Aug;43(6):668–71 (28 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

[Successful surgical treatment of a case of corrected transposition in situs inversus with associated anomalies] Matsui Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jun;39(6):967–73 (21 ref.) (Eng. Abstr.) **(Jpn)**

SIV

Immunologic and pathologic manifestations of the infection of rhesus monkeys with simian immunodeficiency virus of macaques. Letvin NL, et al. **J Acquir Immune Defic Syndr** 1990;3(11):1023–40 (35 ref.)

GENETICS

Nonhuman primate lentiviruses: models for human infection. Kodama T, et al. **Dev Biol Stand** 1990;72:267–71 (20 ref.)

IMMUNOLOGY

SIV infection of macaques: a model for AIDS vaccine development. Gardner MB. **Dev Biol Stand** 1990;72:259–66 (28 ref.)

SIV–1 see SIV

SIV–2 see SIV

SJOGREN'S SYNDROME

see related
KERATOCONJUNCTIVITIS SICCA

Clinical features of Sjögren's syndrome. Youinou P, et al. **Curr Opin Rheumatol** 1990 Oct;2(5):687–93 (28 ref.)

COMPLICATIONS

Diffuse infiltrative lymphocytosis syndrome in human immunodeficiency virus infection--a Sjögren's-like disease. Itescu S. **Rheum Dis Clin North Am** 1991 Feb;17(1):99–115 (67 ref.)

[Central and peripheral neurologic lesions in primary Gougerot–Sjögren syndrome. Clinicopathological study of a case] Bakchine S, et al. **Rev Neurol (Paris)** 1991; 147(5):368–75 (42 ref.) (Eng. Abstr.) **(Fre)**

[Malignant B–cell lymphoma in a patient with primary Sjögren syndrome] Varga M, et al. **Orv Hetil** 1991 Jan 6;132(1):29–32 (30 ref.) (Eng. Abstr.) **(Hun)**

[Breast cancer and B cell malignant lymphoma associated with Sjögren'ssyndrome--a case report and review of literature in Japan] Kohno A, et al. **Ryumachi** 1990 Oct; 30(5):388–93, 395; discussion 393–4 (30 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Diagnostic criteria for Sjögren's syndrome: the state of the art. Vitali C, et al. **Clin Exp Rheumatol** 1990 Jul–Aug;8 Suppl 5:13–6 (28 ref.)

DRUG THERAPY

[Acute mastitis in rheumatoid polyarthritis with Gougerot–Sjögren syndrome treated with tiopronin (Acadione)] Gregoir C, et al. **Rev Rhum Mal Osteoartic** 1991 Mar;58(3):203–6 (19 ref.) **(Fre)**

ETIOLOGY

Animal models of systemic lupus erythematosus and Sjögren's syndrome. Mountz J. **Curr Opin Rheumatol** 1990 Oct;2(5):740–8 (43 ref.)

Immunopathogenesis of systemic lupus erythematosus and Sjögren's syndrome. Reeves WH. **Curr Opin Rheumatol** 1990 Oct;2(5):717–23 (28 ref.)

GENETICS

Molecular genetics of systemic lupus erythematosus and Sjögren's syndrome. Reveille JD. **Curr Opin Rheumatol** 1990 Oct;2(5):733–9 (14 ref.)

IMMUNOLOGY

Molecular definition of the Ro(SSA) particle(s): a frequent target of autoimmunity in systemic lupus erythematosus and Sjögren's syndrome. Reichlin M. **Br J Rheumatol** 1991; 30 Suppl 1:58–62 (44 ref.)

Immunologic and viral factors in Sjögren's syndrome. Talal N. **Clin Exp Rheumatol** 1990 Jul–Aug;8 Suppl 5:23–6 (26 ref.)

Anti–Ro(SSA) and anti–La(SSB) antibodies in lupus erythematosus and Sjögren's syndrome. Provost TT. **Keio J Med** 1991 Jun;40(2):72–7 (26 ref.)

PATHOLOGY

[A case of temporal arteritis associated with polymyalgia rheumatica and subclinical Sjögren's syndrome] Kohriyama K, et al. **Ryumachi** 1990 Aug;30(4):272–80 (27 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Sjögren's syndrome: an oligo–monoclonal B cell process. Tzioufas AG, et al. **Clin Exp Rheumatol** 1990 Jul–Aug;8 Suppl 5:17–21 (44 ref.)

Bilateral tonic pupils and polyneuropathy in Sjögren's syndrome: a common pathophysiological mechanism? Waterschoot MP, et al. **Eur Neurol** 1991;31(2):114–6 (12 ref.)

SKELETAL FIXATION see **FRACTURE FIXATION**

SKELETAL MUSCLE RELAXANTS see **MUSCLE RELAXANTS, CENTRAL**

SKIING

INJURIES

Tarsal tunnel syndrome in athletes. Case reports and literature review. Jackson DL, et al. **Am J Sports Med** 1991 Jan–Feb;19(1):61–5 (38 ref.)

On the importance of planned health education. Prevention of ski injury as an example. Kok G, et al. **Am J Sports Med** 1990 Nov–Dec;18(6):600–5 (21 ref.)

Alpine skiing and the mature athlete. Burns TP, et al. **Clin Sports Med** 1991 Apr;10(2):327–42 (89 ref.)

SKILLED NURSING FACILITIES

Infection surveillance in long–term care facilities. Smith PW. **Infect Control Hosp Epidemiol** 1991 Jan;12(1):55–8 (36 ref.)

Methicillin–resistant Staphylococcus aureus in extended–care facilities: experiences in a Veterans' Affairs nursing home and a review of the literature. Strausbaugh LJ, et al. **Infect Control Hosp Epidemiol** 1991 Jan;12(1):36–45 (33 ref.)

SKIN

Skin cleansing in health and disease. Raab W. **Wien Med Wochenschr Suppl** 1990;108:4–10 (35 ref.)

Progress in burn treatment and the use of artificial skin. Tompkins RG, et al. **World J Surg** 1990 Nov–Dec; 14(6):819–24 (29 ref.)

[Cleansing of the skin in childhood] Gelmetti C. **Pediatr Med Chir** 1990 Jul–Aug;12(4):417–23 (47 ref.) (Eng. Abstr.) **(Ita)**

ABNORMALITIES

Aplasia cutis congenita and arteriovenous fistula. Case report and review. Singman R, et al. **Arch Neurol** 1990 Nov; 47(11):1255–8 (30 ref.)

ANATOMY & HISTOLOGY

Anatomy and circulation of the canine skin. Pavletic MM. **Microsurgery** 1991;12(2):103–12 (30 ref.)

BLOOD SUPPLY

Monitoring in microvascular surgery. Furnas H, et al. **Ann Plast Surg** 1991 Mar;26(3):265–72 (75 ref.)

The pathogenesis of skin damage in venous disease: a review. Cheatle TR, et al. **Eur J Vasc Surg** 1991 Apr;5(2):115–23 (75 ref.)

Follicular accentuation of leukocytoclastic vasculitis in an HIV–seropositive man. Report of a case and review of the literature. Weimer CE Jr, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 2):898–902 (37 ref.)

Type 1 diabetes mellitus associated with livedo reticularis: case report and review of the literature. Abrahamian LM, et al. **Pediatr Dermatol** 1991 Mar;8(1):46–50 (59 ref.)

[Microvascular anatomy of the skin and its appendages] Curri SB. **Phlebologie** 1990 Jul–Oct;43(3):407–30 (40 ref.) (Eng. Abstr.) **(Fre)**

[Necrotic atheromatous angiodermatitis of the legs] Zukervar P, et al. **Phlebologie** 1990 Jul–Oct;43(3):469–72; discussion 472–5 (7 ref.) **(Fre)**

[Decubitus ulcers in geriatrics--pathogenesis, prevention and therapy] Seiler WO, et al. **Ther Umsch** 1991 May; 48(5):329–40 (65 ref.) (Eng. Abstr.) **(Ger)**

[Current knowledge of cutaneous vasculitis] Ivanov OL, et al. **Klin Med (Mosk)** 1991 Jan;69(1):32–7 (49 ref.) **(Rus)**

CHEMISTRY

Amyloid P–component and the skin. Breathnach SM, et al. **Clin Dermatol** 1990 Apr–Jun;8(2):46–54 (76 ref.)

CYTOLOGY

Antigen processing and presentation by epidermal Langerhans cells. Induction of immunity or unresponsiveness. Cruz PD Jr, et al. **Dermatol Clin** 1990 Oct;8(4):633–47 (90 ref.)

Reconstruction of the human skin equivalent in vitro: a new tool for skin biology. Dubertret L. **Skin Pharmacol** 1990; 3(2):144–8 (21 ref.)

DRUG EFFECTS

The effects of topical corticosteroids on human skin. Chan HL. **Ann Acad Med Singapore** 1991 Jan;20(1):133–8 (49 ref.)

The chemical peel. Peters W. **Ann Plast Surg** 1991 Jun; 26(6):564–71 (32 ref.)

Effects of chemicals on photobiologic reactions of skin. Davies RE, et al. **Basic Life Sci** 1990;53:127–35 (9 ref.)

Clinical effects of long–term therapy with topical tretinoin and cellular mode of action. Voorhees JJ. **J Int Med Res** 1990;18 Suppl 3:26C–28C (11 ref.)

Occupational risks of (meth)acrylate compounds in embedding media for electron microscopy. Tobler M, et al. **J Microsc** 1990 Dec;160 (Pt 3):291–8 (36 ref.)

Human epidermis reconstructed on dermal substrates in vitro: an alternative to animals in skin pharmacology. Régnier M, et al. **Skin Pharmacol** 1990;3(2):70–85 (40 ref.)

Skin tolerance to cleansing agents. White IR. **Wien Med Wochenschr Suppl** 1990;108:13–6 (18 ref.)

[Significance of laundry detergent residues from a dermato–toxicological viewpoint] Matthies W, et al. **Derm Beruf Umwelt** 1990 Nov–Dec;38(6):184–9 (36 ref.) (Eng. Abstr.) **(Ger)**

[Clinical and experimental study of glucocorticosteroids] Takeda K. **Nippon Hifuka Gakkai Zasshi** 1990 Nov; 100(13):1297–310 (34 ref.) **(Jpn)**

EMBRYOLOGY

Fetoscopy and fetal skin biopsy for prenatal diagnosis of genetic skin disorders. Eady RA. **Semin Dermatol** 1988 Mar;7(1):2–8 (30 ref.)

IMMUNOLOGY

The late phase response: clinical implications. Lemanske RF Jr. **Adv Intern Med** 1991;36:171–93 (121 ref.)

Inside the skin: the local immune and inflammatory milieu in leprosy. Scollard DM. **Am J Trop Med Hyg** 1991 Apr; 44(4 Pt 2):17–23 (36 ref.)

Cutaneous autoimmunity. Gawkrodger DJ. **Autoimmunity** 1989;3(3):213–33 (40 ref.)

Ganglioside antigens in tissue sections of skin, naevi, and melanoma--implications for treatment of melanoma. Hersey P. **Cancer Treat Res** 1991;54:137–51 (48 ref.)

Keratinocyte cytokines and growth factors. Functions in skin immunity and homeostasis. McKenzie RC, et al. **Dermatol Clin** 1990 Oct;8(4):649–61 (117 ref.)

Immunological cytotoxicity of cutaneous cellular targets. Norris DA. **Immunol Ser** 1989;46:123–65 (182 ref.)

Ultraviolet radiation and modulation. Roberts LK, et al. **Immunol Ser** 1989;46:167–215 (175 ref.)

Inductive effects of immunological cytokines in the skin. Sauder DN. **Immunol Ser** 1989;46:97–108 (23 ref.)

Skin–associated lymphoid tissue. Streilein JW. **Immunol Ser** 1989;46:73–96 (81 ref.)

[The cutaneous immune system and photo–aging] Nikkels AF, et al. **Rev Med Liege** 1991 Mar;46(3):158–63 (23 ref.) **(Fre)**

INJURIES

Skin loss of the lower limb. Murray DS. **Injury** 1990 Sep; 21(5):309–10 (5 ref.)

Regulation of cutaneous wound healing by growth factors and the microenvironment. Knighton DR, et al. **Invest Radiol** 1991 Jun;26(6):604–11 (72 ref.)

Current status of skin replacements for coverage of extensive burn wounds. Hansbrough JF. **J Trauma** 1990 Dec;30(12 Suppl):S155–60 (26 ref.)

INNERVATION

Neural control of human skin blood flow. Wallin BG. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S185–90 (17 ref.)

Perioral somesthetic sensibility: do the skin of the lower face and the midface exhibit comparable sensitivity? [see comments] Rath EM, et al. **J Oral Maxillofac Surg** 1990 Nov;48(11):1181–90 (75 ref.) Comment in: J Oral Maxillofac Surg 1991 Jul;49(7):779–80.

Immunohistochemistry of the Merkel cell. Mérot Y. **Semin Dermatol** 1988 Dec;7(4):269–77 (66 ref.)

Multiple peptides in cutaneous nerves: regulators under physiological conditions and a pathogenetic role in skin disease? Weihe E, et al. **Semin Dermatol** 1988 Dec; 7(4):284–300 (79 ref.)

Cutaneous sensory nerves. Winkelmann RK. **Semin Dermatol** 1988 Dec;7(4):236–68 (148 ref.)

[Current theories on the role of the central nervous system in temperature regulation in the human body] Akimov GA, et al. **Sov Med** 1990;(10):43–6 (46 ref.) **(Rus)**

METABOLISM

Dermal, intestinal, and renal obligatory losses of calcium: relation to skeletal calcium loss. Charles P, et al. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):266S–273S (49 ref.)

Keratin in cutaneous amyloidoses. Hashimoto K, et al. **Clin Dermatol** 1990 Apr–Jun;8(2):55–65 (35 ref.)

Cutaneous metabolism of xenobiotics. Kao J, et al. **Drug Metab Rev** 1990;22(4):363–410 (299 ref.)

DNA adduct formation in human and mouse skin by mixtures of polycyclic aromatic hydrocarbons. Phillips DH, et al. **IARC Sci Publ** 1990;(104):223–9 (15 ref.)

Short and long–term regulation of chloride conductance across toad skin. Katz U. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):349–55 (21 ref.)

Lymphocyte chemoattractants in psoriasis and normal skin. Camp RD, et al. **J Invest Dermatol** 1990 Nov;95(5):22S–23S (9 ref.)

Interleukin–1 in human skin: dysregulation in psoriasis. Cooper KD, et al. **J Invest Dermatol** 1990 Nov; 95(5):24S–26S (14 ref.)

Metabolism of natural retinoids in psoriatic epidermis. Siegenthaler G, et al. **J Invest Dermatol** 1990 Nov; 95(5):47S–48S (12 ref.)

Electron paramagnetic resonance in dermatologic research with particular reference to photodermatology. Fuchs J, et al. **Photodermatol Photoimmunol Photomed** 1990 Dec; 7(6):229–32 (49 ref.)

MICROBIOLOGY

Microbiology of specialized skin: the vulva. Elsner P, et al. **Semin Dermatol** 1990 Dec;9(4):300–4 (21 ref.)

The influence of various factors on the human resident skin flora. Hartmann AA. **Semin Dermatol** 1990 Dec;9(4):305–8 (27 ref.)

[Infections caused by Corynebacterium group 2] Fernández-Roblas R, et al. **Enferm Infecc Microbiol Clin** 1991 Mar;9(3):168–71 (37 ref.) **(Spa)**

PATHOLOGY

Inhibitory effect of curcumin and some related dietary compounds on tumor promotion and arachidonic acid metabolism in mouse skin. Conney AH, et al. **Adv Enzyme Regul** 1991;31:385–96 (27 ref.)

The invisible dermatoses. Kligman AM. **Arch Dermatol** 1991 Sep;127(9):1375–82 (51 ref.)

Unilateral facial actinic elastotic plaque—a new clinical variant of actinic elastosis. Wittal RA, et al. **Australas J Dermatol** 1989;30(1):15–22 (38 ref.)

Acute febrile neutrophilic dermatosis in childhood (Sweet's syndrome). Collins P, et al. **Br J Dermatol** 1991 Feb; 124(2):203–6 (17 ref.)

Benign persistent papular acantholytic and dyskeratotic eruption: a case report and review of the literature. Van Joost T, et al. **Br J Dermatol** 1991 Jan;124(1):92–5 (21 ref.)

Electrically induced dermal changes. A morphological study of porcine skin after transfer of low-moderate amounts of electrical energy. Karlsmark T. **Dan Med Bull** 1990 Dec; 37(6):507–20 (110 ref.)

A perspective of psoriasis as an aberration in skin modified to expression by the inflammatory/repair system. Krueger GG. **Immunol Ser** 1989;46:425–45 (65 ref.)

Mechanisms of cutaneous tissue damage in lupus erythematosus. Lee LA, et al. **Immunol Ser** 1989;46:359–86 (86 ref.)

Structure of the dermal-epidermal junction and potential mechanisms for its degradation: the possible role of inflammatory cells. Schechter NM. **Immunol Ser** 1989; 46:477–507 (175 ref.)

Terminology in surface microscopy. Consensus meeting of the Committee on Analytical Morphology of the Arbeitsgemeinschaft Dermatologische Forschung, Hamburg, Federal Republic of Germany, Nov. 17, 1989. Bahmer FA, et al. **J Am Acad Dermatol** 1990 Dec;23(6 Pt 1):1159–62 (18 ref.)

Comparison of methods for checking surgical margins. Rapini RP. **J Am Acad Dermatol** 1990 Aug;23(2 Pt 1):288–94 (28 ref.)

Histologic changes in skin associated with aging. Kurban RS, et al. **J Dermatol Surg Oncol** 1990 Oct;16(10):908–14 (59 ref.)

Cellular and molecular mechanisms of cutaneous aging. Yaar M, et al. **J Dermatol Surg Oncol** 1990 Oct;16(10):915–22 (60 ref.)

Lymphocyte adhesion to psoriatic dermal endothelium: mechanism and modulation. Chin YH, et al. **J Invest Dermatol** 1990 Nov;95(5):29S–31S (10 ref.)

Abnormal cutaneous topobiology: the molecular basis for dermatopathologic mononuclear cell patterns in inflammatory skin disease. Nickoloff BJ, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):128S–131S (36 ref.)

The skin in mastocytosis. Soter NA. **J Invest Dermatol** 1991 Mar;96(3):32S–38S; discussion 38S–39S (89 ref.)

Papulonecrotic tuberculid in a 9-year-old American girl: case report and review of the literature. Sloan JB, et al. **Pediatr Dermatol** 1990 Sep;7(3):191–5 (35 ref.)

Heparin-associated skin necrosis. Fowlie J, et al. **Postgrad Med J** 1990 Jul;66(777):573–5 (11 ref.)

Tuberculosis cutis miliaris disseminata as a manifestation of miliary tuberculosis: literature review and report of a case of recurrent skin lesions. Rietbroek RC, et al. **Rev Infect Dis** 1991 Mar-Apr;13(2):265–9 (18 ref.)

Percutaneous umbilical blood sampling, fetal skin sampling, and fetal liver biopsy. Shulman LP, et al. **Semin Perinatol** 1990 Dec;14(6):456–64 (52 ref.)

Dermatopathology of skin necrosis associated with purpura fulminans. Adcock DM, et al. **Semin Thromb Hemost** 1990 Oct;16(4):283–92 (81 ref.)

Proposed classification and pathologic mechanisms of purpura fulminans and skin necrosis. Adcock DM, et al. **Semin Thromb Hemost** 1990 Oct;16(4):333–40 (44 ref.)

Warfarin-induced skin necrosis. Comp PC, et al. **Semin Thromb Hemost** 1990 Oct;16(4):293–8 (82 ref.)

Recent concepts in the pathology of leprosy. Mukherjee A. **Trop Med Parasitol** 1990 Sep;41(3):344–6 (34 ref.)

A user's guide to veterinary surgical pathology laboratories. Or, why do I still get a diagnosis of chronic dermatitis even when I take a perfect biopsy? Dunstan RW. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1397–417 (20 ref.)

[Clinical signs of cutaneous aging] Beylot C. **Rev Fr Gynecol Obstet** 1991 Jun;86(6):433–41 (0 ref.) (Eng. Abstr.) **(Fre)**

[Application of the wrinkle test in peripheral nerve injuries] Goldberg I, et al. **Harefuah** 1991 Feb 15;120(4):220–1 (5 ref.) **(Heb)**

[Rothmund-Thomson's syndrome—a case demonstrating prominent hyperkeratosis and literature review] Aso K, et al. **Nippon Hifuka Gakkai Zasshi** 1990 Oct; 100(11):1191–8 (53 ref.) (Eng. Abstr.) **(Jpn)**

[Two cases of transient acantholytic dermatosis—with the analysis of 20 cases reported in Japan] Kato N, et al. **Nippon Hifuka Gakkai Zasshi** 1991 Mar;101(4):453–60 (36 ref.) (Eng. Abstr.) **(Jpn)**

[Punctate porokeratotic keratoderma] Kosogabe M, et al. **Nippon Hifuka Gakkai Zasshi** 1991 Apr;101(5):553–60 (25 ref.) (Eng. Abstr.) **(Jpn)**

[Pachydermoperiostosis—report of a case and review of 121 Japanese cases] Matsui Y, et al. **Nippon Hifuka Gakkai Zasshi** 1991 Mar;101(4):461–7 (61 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Dermatology in space: the final frontier. Fowler JF Jr. **Adv Dermatol** 1991;6:73–81; discussion 82 (31 ref.)

Skin changes during pregnancy. Parmley T, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):713–7 (17 ref.)

Measurement of properties and function of skin. Payne PA. **Clin Phys Physiol Meas** 1991 May;12(2):105–29 (98 ref.)

Sensitive and ethnic skin. A need for special skin-care agents? Berardesca E, et al. **Dermatol Clin** 1991 Jan;9(1):89–92 (32 ref.)

Defining the susceptibility of acne-prone and sensitive skin populations to extrinsic factors. Mills OH Jr, et al. **Dermatol Clin** 1991 Jan;9(1):93–8 (34 ref.)

Skin bioengineering in the noninvasive assessment of cutaneous aging. Berardesca E, et al. **Dermatologica** 1991; 182(1):1–6 (64 ref.)

Fundamentals of expanded tissue. Baker SR. **Head Neck** 1991 Jul-Aug;13(4):327–33 (26 ref.)

Immune and inflammatory processes in cutaneous tissues. Mechanisms and speculations [published erratum appears in J Clin Invest 1991 Feb;87(2):753] Kupper TS. **J Clin Invest** 1990 Dec;86(6):1783–9 (45 ref.)

The human skin: fragrances and pheromones. Berliner DL, et al. **J Steroid Biochem Mol Biol** 1991 Oct;39(4B):671–9 (23 ref.)

Theory of active transport across frog skin and other bifacial cell systems: a subsidiary of the association-induction hypothesis. Ling GN. **Scanning Microsc** 1990 Sep; 4(3):723–9; discussion 729–36 (29 ref.)

[The "protective acid coat" of the skin of our domestic animals] Meyer W, et al. **DTW Dtsch Tierarztl Wochenschr** 1991 May;98(5):167–70 (49 ref.) (Eng. Abstr.) **(Ger)**

[Vitronectin in normal human skin and in skin lesions] Hintner H, et al. **Hautarzt** 1991 Jan;42(1):16–22 (56 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

The commonality of cutaneous wound repair and lung injury. Clark RA. **Chest** 1991 Mar;99(3 Suppl):57S–60S (33 ref.)

PUVA-induced itching and skin pain. Roelandts R, et al. **Photodermatol Photoimmunol Photomed** 1990 Aug; 7(4):141–2 (11 ref.)

RADIATION EFFECTS

In vivo ultraviolet irradiation of human skin results in profound perturbation of the immune system. Relevance to ultraviolet-induced skin cancer [published erratum appears in Arch Dermatol 1991 Sep;127(9):1368] Baadsgaard O. **Arch Dermatol** 1991 Jan;127(1):99–109 (137 ref.)

DNA repair in mammalian tissues and cells. Krokan HE, et al. **Basic Life Sci** 1990;53:175–90 (84 ref.)

DNA damage and repair in human skin: pathways and questions. Sutherland BM, et al. **Basic Life Sci** 1990; 53:149–60 (35 ref.)

National Institutes of Health summary of the Consensus Development Conference on Sunlight, Ultraviolet Radiation, and the Skin. Bethesda, Maryland, May 8–10, 1989. Consensus Development Panel. **J Am Acad Dermatol** 1991 Apr;24(4):608–12 (0 ref.)

Tanning with UVB or UVA: an appraisal of risks. Diffey BL, et al. **J Photochem Photobiol B** 1991 Jan;8(2):219–23 (17 ref.)

[Sunlight, ultraviolet radiation and the skin: summary of the National Institute of Health Consensus Development Conference] Alcalay J. **Harefuah** 1991 Jan 15;120(2):102–4 (1 ref.) **(Heb)**

[Life style, sun-bathing and tanning—what about UV-A solariums?] Thune P. **Tidsskr Nor Laegeforen** 1991 Jun 30; 111(17):2085–7 (14 ref.) (Eng. Abstr.) **(Nor)**

SURGERY

Superficial foot and ankle surgery. Greenway HT Jr, et al. **Adv Dermatol** 1991;6:85–110; discussion 111 (8 ref.)

The reconstruction of skin. How and why. Prunieras M. **Int J Dermatol** 1990 Oct;29(8):553–6 (13 ref.)

ULTRASTRUCTURE

Electron microscopy of primary and secondary cutaneous amyloidoses and systemic amyloidosis. Lin CS, et al. **Clin Dermatol** 1990 Apr-Jun;8(2):36–45 (26 ref.)

Tissue culture and cutaneous amyloidoses. Lo WL, et al. **Clin Dermatol** 1990 Apr-Jun;8(2):80–6 (31 ref.)

Dendritic cells of the skin. Stingl G. **Dermatol Clin** 1990 Oct; 8(4):673–9 (46 ref.)

SKIN ABSORPTION

see related
ADMINISTRATION, CUTANEOUS

Severe lidocaine intoxication by cutaneous absorption. Lie RL, et al. **J Am Acad Dermatol** 1990 Nov;23(5 Pt 2):1026–8 (13 ref.)

DRUG EFFECTS

Absorption enhancers. Muranishi S. **Crit Rev Ther Drug Carrier Syst** 1990;7(1):1–33 (155 ref.)

PHYSIOLOGY

Transdermal drug absorption during pregnancy. Mattison DR. **Clin Obstet Gynecol** 1990 Dec;33(4):718–27 (20 ref.)

Dermal uptake of organic chemicals from a soil matrix. McKone TE. **Risk Anal** 1990 Sep;10(3):407–19 (32 ref.)

SKIN ADMINISTRATION, DRUG see **ADMINISTRATION, CUTANEOUS**

SKIN AGING

Chemical face peels. Matarasso SL, et al. **Dermatol Clin** 1991 Jan;9(1):131–50 (48 ref.)

Aging integumentary system. Podiatric review. Muehlman C, et al. **J Am Podiatr Med Assoc** 1990 Nov;80(11):577–82 (41 ref.)

The aging face: a psychocutaneous perspective. Gupta MA, et al. **J Dermatol Surg Oncol** 1990 Oct;16(10):902–4 (11 ref.)

Histologic changes in skin associated with aging. Kurban RS, et al. **J Dermatol Surg Oncol** 1990 Oct;16(10):908–14 (59 ref.)

The role of chemical peeling in the treatment of photodamaged skin. Matarasso SL, et al. **J Dermatol Surg Oncol** 1990 Oct;16(10):945–54 (29 ref.)

Silicone, fibrel, and collagen implantation for facial lines and wrinkles. Pollack SV. **J Dermatol Surg Oncol** 1990 Oct; 16(10):957–61 (16 ref.)

Cellular and molecular mechanisms of cutaneous aging. Yaar M, et al. **J Dermatol Surg Oncol** 1990 Oct;16(10):915–22 (60 ref.)

Selected approaches to the aging face. Konior RJ, et al. **Otolaryngol Clin North Am** 1990 Dec;23(6):1083–95 (29 ref.)

Sun-related skin diseases. Prawer SE. **Postgrad Med** 1991 Jun;89(8):51–4, 59–61, 64–6 (20 ref.)

[Aging of the skin: prevention and treatment] Brenner S, et al. **Harefuah** 1991 Feb 15;120(4):206–8 (21 ref.) **(Heb)**

[Skin aging. Physiopathology and clinical perspective (see comments)] Rodrigo FG, et al. **Acta Med Port** 1990 Sep-Oct;3(5):311–8 (75 ref.) (Eng. Abstr.) Comment in: Acta Med Port 1990 Sep-Oct;3(5):323. **(Por)**

DRUG EFFECTS

Clinical features of photodamage and treatment with topical tretinoin. Gardner SS, et al. **J Dermatol Surg Oncol** 1990 Oct;16(10):925–31 (23 ref.)

Sunscreens and the prevention of skin aging. Lowe NJ. **J Dermatol Surg Oncol** 1990 Oct;16(10):936–8 (14 ref.)

The future of topical therapy for cutaneous aging. Shupack JL, et al. **J Dermatol Surg Oncol** 1990 Oct;16(10):941–4 (24 ref.)

Methods for the assessment of the effects of topical retinoic acid in photo-ageing and actinic keratoses. Marks R. **J Int Med Res** 1990;18 Suppl 3:29C–34C (18 ref.)

Clinical effects of long-term therapy with topical tretinoin and cellular mode of action. Voorhees JJ. **J Int Med Res** 1990;18 Suppl 3:26C–28C (11 ref.)

Tretinoin therapy: practical aspects of evaluation and treatment. Weiss JS, et al. **J Int Med Res** 1990;18 Suppl 3:41C–48C (9 ref.)

GENETICS

The wrinkly skin syndrome: a report of a case and review of the literature. Hurvitz SA, et al. **Clin Genet** 1990 Oct; 38(4):307–13 (15 ref.)

[Cutaneous senescence and carcinogenesis] Berbis P. **Rev Fr Gynecol Obstet** 1991 Jun;86(6):448–50 (10 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

[Aging and the cutaneous immune system] Souteyrand P, et al. **Rev Fr Gynecol Obstet** 1991 Jun;86(6):455–7 (10 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Cosmetics for the elderly. O'Donoghue MN. **Dermatol Clin** 1991 Jan;9(1):29–34 (15 ref.)

Skin bioengineering in the noninvasive assessment of cutaneous aging. Berardesca E, et al. **Dermatologica** 1991; 182(1):1–6 (64 ref.)

Photodamaged skin: a medical or a cosmetic concern? Raab WP. **J Int Med Res** 1990;18 Suppl 3:2C–7C (16 ref.)

Common skin lesions of the elderly. Ries WR, et al. **Otolaryngol Clin North Am** 1990 Dec;23(6):1121–39 (37 ref.)

[Clinical signs of cutaneous aging] Beylot C. **Rev Fr Gynecol Obstet** 1991 Jun;86(6):433–41 (0 ref.) (Eng. Abstr.) **(Fre)**

[Ovarian hormones and cutaneous aging] de Lignières B. **Rev Fr Gynecol Obstet** 1991 Jun;86(6):451–4 (8 ref.) (Eng. Abstr.) **(Fre)**

[Histologic signs of cutaneous aging] Mestre-Deharo C, et al. **Rev Fr Gynecol Obstet** 1991 Jun;86(6):425-32 (10 ref.) (Eng. Abstr.) **(Fre)**

[Cutaneous electric stimulation in aging. Electroacupuncture of wrinkles following the procedure of Ph. Simonin] Schnitzler L, et al. **Rev Fr Gynecol Obstet** 1991 Jun; 86(6):461-6 (23 ref.) (Eng. Abstr.) **(Fre)**

[The injectable collagens. Technique of implantation, indications, limits] Schnitzler L. **Rev Fr Gynecol Obstet** 1991 Jun;86(6):469-73 (16 ref.) (Eng. Abstr.) **(Fre)**

RADIATION EFFECTS

[Light and skin] Takebe H. **Nippon Hifuka Gakkai Zasshi** 1990 Nov;100(13):1326-7 (6 ref.) **(Jpn)**

SKIN DISEASES

Cutaneous silica granuloma. A rare entity or rarely diagnosed? Report of two cases with review of the literature. Mowry RG, et al. **Arch Dermatol** 1991 May; 127(5):692-4 (15 ref.)

Extrafacial granuloma faciale [letter] Sears JK, et al. **Arch Dermatol** 1991 May;127(5):742-3 (5 ref.)

Animal models for amyloidosis. Yang JH. **Clin Dermatol** 1990 Apr-Jun;8(2):102-7 (53 ref.)

Papular dermatoses of pregnancy. Catanzarite V, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):754-8 (21 ref.)

Dermatopathology for the obstetrician. Eudy SF, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):728-37 (14 ref.)

Cutaneous periarteritis nodosa. Goodless DR, et al. **Int J Dermatol** 1990 Nov;29(9):611-5 (47 ref.)

Porphyrias and porphyrins. Young JW, et al. **Int J Dermatol** 1991 Jun;30(6):399-406 (91 ref.)

Infantile acute hemorrhagic edema of the skin: study of ten cases. Legrain V, et al. **J Am Acad Dermatol** 1991 Jan; 24(1):17-22 (35 ref.)

Neonatal skin disorders. Mallory SB. **Pediatr Clin North Am** 1991 Aug;38(4):745-61 (61 ref.)

Dermatology. Rustin MH. **Postgrad Med J** 1990 Nov; 66(781):894-905 (169 ref.)

The use of printed instruction sheets to enhance patient compliance. Katz LG. **Semin Dermatol** 1991 Jun;10(2):91-5 (5 ref.)

Cutaneous expression of graft-v-host disease in man. Mauduit G, et al. **Semin Dermatol** 1988 Jun;7(2):149-55 (34 ref.)

Acquired purpura fulminans. Francis RB Jr. **Semin Thromb Hemost** 1990 Oct;16(4):310-25 (90 ref.)

CHEMICALLY INDUCED

Medical defense against blistering chemical warfare agents. Smith WJ, et al. **Arch Dermatol** 1991 Aug;127(8):1207-13 (60 ref.)

Rhabdomyolysis and cutaneous necrosis following intravenous vasopressin infusion. Moreno-Sánchez D, et al. **Gastroenterology** 1991 Aug;101(2):529-32 (20 ref.)

[Evaluation of cutaneous risks of the Pill] Girard M. **Ann Dermatol Venereol** 1990;117(6-7):436-40 (45 ref.) (Eng. Abstr.) **(Fre)**

[Synthetic antimalarials and skin] Ribrioux A. **Ann Dermatol Venereol** 1990;117(12):975-90 (80 ref.) **(Fre)**

[The pathophysiology, clinical picture and treatment of coumarin-induced necrosis] Wankmüller H, et al. **Dtsch Med Wochenschr** 1991 Aug 30;116(35):1322-30 (60 ref.) **(Ger)**

[Subcutaneous nodules and sensitivity to aluminum in patients undergoing hyposensitivity immunotherapy] García-Patos V, et al. **Med Cutan Ibero Lat Am** 1990;18(2):83-8 (27 ref.) (Eng. Abstr.) **(Spa)**

CLASSIFICATION

Nongenital warts: classification and treatment options. Bolton RA. **Am Fam Physician** 1991 Jun;43(6):2049-56 (18 ref.)

The new cutaneous mucinoses: a review with an up-to-date classification of cutaneous mucinoses. Rongioletti F, et al. **J Am Acad Dermatol** 1991 Feb;24(2 Pt 1):265-70 (34 ref.)

Proposed classification and pathologic mechanisms of purpura fulminans and skin necrosis. Adcock DM, et al. **Semin Thromb Hemost** 1990 Oct;16(4):333-40 (44 ref.)

COMPLICATIONS

Porphyria cutanea tarda associated with HIV infection [letter] Lafeuillade A, et al. **AIDS** 1990 Sep;4(9):924 (8 ref.)

Cutaneous manifestations of human immunodeficiency virus infection. Part I. Dover JS, et al. **Arch Dermatol** 1991 Sep; 127(9):1383-91 (0 ref.)

Cutaneous mucinosis in a patient with eosinophilia-myalgia syndrome associated with L-tryptophan ingestion [letter] Dubin DB, et al. **Arch Dermatol** 1990 Nov;126(11):1517-8 (7 ref.)

Porphyria cutanea tarda and acquired immunodeficiency syndrome: case reports and literature review [letter] Scannell KA. **Arch Dermatol** 1990 Dec;126(12):1658-9 (4 ref.)

Skin manifestations in AIDS patients. Staughton R. **Br J Clin Pract Symp Suppl** 1990 Sep;71:109-13 (1 ref.)

Noninfectious inflammatory skin diseases in HIV-infected individuals. Cockerell CJ. **Dermatol Clin** 1991 Jul; 9(3):531-41 (82 ref.)

Papulosquamous disorders associated with human immunodeficiency virus infection. Duvic M. **Dermatol Clin** 1991 Jul;9(3):523-30 (76 ref.)

Cutaneous manifestations of HIV infection in children. Prose NS. **Dermatol Clin** 1991 Jul;9(3):543-50 (65 ref.)

Porphyria cutanea tarda associated with human immunodeficiency virus infection. A study of four cases and review of the literature. Boisseau AM, et al. **Dermatologica** 1991;182(3):155-9 (20 ref.)

Skin and gullet. Walton S, et al. **Gut** 1991 Jun;32(6):694-7 (33 ref.)

Dermatoses associated with sterile lytic bone lesions. Sofman MS, et al. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 1):494-8 (53 ref.)

Evaluation of clinically normal appearing skin for systemic infectious diseases in human immunodeficiency virus seropositive patients. Cohen PR. **Med Hypotheses** 1991 Mar;34(3):193-7 (49 ref.)

Nail changes in cutaneous disease. Kvedar JC, et al. **Semin Dermatol** 1991 Mar;10(1):65-70 (27 ref.)

[Livedo reticularis, cerebrovascular disorders and mitral disease: a new cause of Sneddon's syndrome?] Vaillant L, et al. **Ann Dermatol Venereol** 1990;117(12):925-30 (23 ref.) (Eng. Abstr.) **(Fre)**

[The POEMS syndrome: an uncommon entity among plasmocytic dyscrasias (letter)] Touze JE, et al. **Ann Med Interne (Paris)** 1990;141(7):621-3 (12 ref.) **(Fre)**

[Leukocytoclastic vasculitis and malignant hematologic diseases. (12 cases)] Beylot J, et al. **Rev Med Interne** 1989 Nov-Dec;10(6):509-14 (28 ref.) (Eng. Abstr.) **(Fre)**

[The ulcerative form of skin sarcoidosis] Rodionov AN, et al. **Vestn Dermatol Venerol** 1990;(7):68-71 (14 ref.) (Eng. Abstr.) **(Rus)**

CONGENITAL

Congenital self-healing reticulohistiocytosis. Report of a case with 7-year follow-up and a review of the literature. Alexis JB, et al. **Am J Dermatopathol** 1991 Apr;13(2):189-94 (20 ref.)

[Bone anomalies in Gunther's disease] Audran M, et al. **Rev Rhum Mal Osteoartic** 1990 Dec;57(12):885-8 (13 ref.) **(Fre)**

DIAGNOSIS

Assessing child abuse in the dermatologist's office. Schachner LA, et al. **Adv Dermatol** 1988;3:61-74 (22 ref.)

Vulvar dermatoses: common problems in dermatological and gynaecological practice. McKay M. **Br J Clin Pract Symp Suppl** 1990 Sep;71:5-10 (3 ref.)

Cutaneous lymphoproliferative disorders: an assessment of recent investigative techniques. Slater DN. **Br J Dermatol** 1991 Apr;124(4):309-23 (138 ref.)

Childhood sexual abuse--a dermatological perspective. Berth-Jones J, et al. **Clin Exp Dermatol** 1990 Sep; 15(5):321-30 (86 ref.)

Aging and the skin: recognizing and managing common disorders. Shenefelt PD, et al. **Geriatrics** 1990 Oct; 45(10):57-9, 63-6 (10 ref.)

Sarcoidosis: a Hawaii rarity. Charles J, et al. **Hawaii Med J** 1991 Jun;50(6):204, 207-8, 210 (8 ref.)

What dermatologists should know about digital imaging. Perednia DA. **J Am Acad Dermatol** 1991 Jul;25(1 Pt 1):89-108 (160 ref.)

New concepts in the field of vascular disorders of the skin. Picó MR, et al. **P R Health Sci J** 1991 Apr;10(1):25-32 (71 ref.)

Difficult diagnostic and management issues in pediatric dermatology. Eichenfield LF, et al. **Pediatr Clin North Am** 1991 Jun;38(3):687-710 (130 ref.)

Preschool sarcoidosis masquerading as juvenile rheumatoid arthritis: two case reports and a review of the literature. Sahn EE, et al. **Pediatr Dermatol** 1990 Sep;7(3):208-13 (34 ref.)

Fetoscopy and fetal skin biopsy for prenatal diagnosis of genetic skin disorders. Eady RA. **Semin Dermatol** 1988 Mar;7(1):2-8 (30 ref.)

[Eosinophilic granuloma of clavicular and subcutaneous localization. Report of a case] Gabaudan P, et al. **Rev Rhum Mal Osteoartic** 1990 Dec;57(12):899-900 (8 ref.) **(Fre)**

[Paraneoplastic syndromes in dermatology. Cutaneous paraneoplasias] Herzberg JJ. **Internist (Berl)** 1990 Aug; 31(8):505-12 (22 ref.) **(Ger)**

[Skin changes as an indication of heart disorders] Török L. **Z Hautkr** 1990 Nov;65(11):1001-6 (21 ref.) (Eng. Abstr.) **(Ger)**

[Systemic amyloidosis and the skin] Yanagihara M, et al. **Nippon Rinsho** 1991 Apr;49(4):892-5 (19 ref.) **(Jpn)**

[The POEMS syndrome] Antela López A, et al. **An Med Interna** 1989 Aug;6(8):439-42 (50 ref.) (Eng. Abstr.) **(Spa)**

[Lymphomatoid granulomatosis: a clinical case] Lavados M, et al. **Rev Med Chil** 1990 May;118(5):555-61 (17 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Topical treatment of cutaneous herpes simplex virus infections. Spruance SL, et al. **Antiviral Res** 1990 Dec; 14(6):305-21 (70 ref.)

Treatment of cutaneous sarcoidosis with chloroquine. Review of the literature. Zic JA, et al. **Arch Dermatol** 1991 Jul;127(7):1034-40 (53 ref.)

Current options for the treatment of systemic scleroderma. McGee BA, et al. **Clin Pharm** 1991 Jan;10(1):14-25 (72 ref.)

Antimalarial medications in dermatology. A review. Weiss JS. **Dermatol Clin** 1991 Apr;9(2):377-85 (103 ref.)

Griseofulvin: a new look at an old drug. Araujo OE, et al. **DICP** 1990 Sep;24(9):851-4 (23 ref.)

Therapeutic update: viral dermatosis and AIDS. Haldar B. **Indian J Dermatol** 1990 Mar;35(1):25-31 (12 ref.)

Cytotoxic drugs in the treatment of skin disease. Rapini RP. **Int J Dermatol** 1991 May;30(5):313-22 (150 ref.)

Dermatologic therapy: 1989. Coskey RJ. **J Am Acad Dermatol** 1990 Aug;23(2 Pt 1):280-7 (75 ref.)

Management of patients and side effects during cyclosporine therapy for cutaneous disorders. Fradin MS, et al. **J Am Acad Dermatol** 1990 Dec;23(6 Pt 2):1265-73; discussion 1273-5 (126 ref.)

Cyclosporine in nonpsoriatic dermatoses. Ho VC, et al. **J Am Acad Dermatol** 1990 Dec;23(6 Pt 2):1248-57; discussion 1257-9 (109 ref.)

Therapeutic use of cytokines in dermatology. Luger TA, et al. **J Am Acad Dermatol** 1991 Jun;24(6 Pt 1):915-26 (157 ref.)

Spironolactone in dermatologic therapy. Shaw JC. **J Am Acad Dermatol** 1991 Feb;24(2 Pt 1):236-43 (69 ref.)

Tretinoin therapy: practical aspects of evaluation and treatment. Weiss JS, et al. **J Int Med Res** 1990;18 Suppl 3:41C-48C (9 ref.)

Penicillamine and disorders affecting dermal collagen. Moynahan EJ. **Proc R Soc Med** 1977;70 Suppl 3:73-4 (2 ref.)

Capsaicin in dermatologic disease. Bernstein JE. **Semin Dermatol** 1988 Dec;7(4):304-9 (55 ref.)

Topical and systemic antibiotics: is there a rationale? Noble WC. **Semin Dermatol** 1990 Dec;9(4):250-4 (45 ref.)

[Immunomodulating agents in dermatology] Nicolas JF, et al. **Ann Dermatol Venereol** 1991;118(5):421-6 (26 ref.) **(Fre)**

[Mechanism of action and therapeutic use of cyclosporin A. Experimental and clinical experiences in dermatology] Laub R. **Dermatol Monatsschr** 1990;176(5-6):281-91 (55 ref.) (Eng. Abstr.) **(Ger)**

[Chloroquine and hydroxychloroquine: side effect profile of important therapeutic drugs] Ochsendorf FR, et al. **Hautarzt** 1991 Mar;42(3):140-6 (72 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

Epidemiology of primary cutaneous amyloidoses in South America. Ollague W, et al. **Clin Dermatol** 1990 Apr-Jun; 8(2):25-9 (25 ref.)

Epidemiology of primary cutaneous amyloidoses in southeast Asia. Tan T. **Clin Dermatol** 1990 Apr-Jun;8(2):20-4 (21 ref.)

[Current situation of occupational diseases in physicians and medical personnel] Valentin H. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2-3):182-200 (7 ref.) (Eng. Abstr.) **(Ger)**

[Dermatologic epidemiology] García Pérez A. **An R Acad Nac Med (Madr)** 1990;107(1):163-79 (29 ref.) **(Spa)**

ETHNOLOGY

Sensitive and ethnic skin. A need for special skin-care agents? Berardesca E, et al. **Dermatol Clin** 1991 Jan;9(1):89-92 (32 ref.)

ETIOLOGY

Cutaneous manifestations of immunological disorders in children. Paller AS. **Adv Dermatol** 1991;6:199-216; discussion 217 (60 ref.)

Diagnosis of Lyme disease based on dermatologic manifestations. Malane MS, et al. **Ann Intern Med** 1991 Mar 15;114(6):490-8 (74 ref.)

Cutaneous manifestations of collagen vascular disease in pregnancy. Horowitz GM, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):759-76 (62 ref.)

Cutaneous manifestations of bacterial and viral disorders in pregnancy. Smith LG Jr, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):792-800 (25 ref.)

Cutaneous clues to renal disease. Mazuryk HA, et al. **Cutis** 1991 Apr;47(4):241-8 (18 ref.)

Defining the susceptibility of acne-prone and sensitive skin populations to extrinsic factors. Mills OH Jr, et al. **Dermatol Clin** 1991 Jan;9(1):93-8 (34 ref.)

A clinical review: cutaneous manifestations of acute and chronic graft-versus-host disease following bone marrow transplantation. Tanaka K, et al. **J Dermatol** 1991 Jan; 18(1):11-7 (42 ref.)

Cutaneous diseases associated with HIV infection. Harawi SJ, et al. **Pathol Annu** 1991;26 Pt 1:265-309 (215 ref.)

Neurologic disorders and dermatologic manifestations in HIV-infected children. Zuckerman G, et al. **Pediatr Emerg Care** 1991 Apr;7(2):99-105 (49 ref.)

Viral redskins. Hart CA. **Semin Dermatol** 1988 Mar; 7(1):48-52 (28 ref.)

Multiple peptides in cutaneous nerves: regulators under physiological conditions and a pathogenetic role in skin disease? Weihe E, et al. **Semin Dermatol** 1988 Dec; 7(4):284-300 (79 ref.)

Sick building syndrome. Lyles WB, et al. **South Med J** 1991 Jan;84(1):65–71, 76 (41 ref.)
Dermatologic aspects of tick bites and tick-transmitted diseases. Merchant SR, et al. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):145–55 (33 ref.)
[Cutaneous manifestations in multiple myeloma] Collet E, et al. **Ann Dermatol Venereol** 1991;118(1):35–44 (165 ref.) **(Fre)**
[Whipple's disease with sarcoidosis-like cutaneous manifestations] Frenk E, et al. **Ann Dermatol Venereol** 1991; 118(2):115–8 (20 ref.) **(Fre)**
[Livedo reticularis. Review of the literature] Pibouin M, et al. **Ann Dermatol Venereol** 1990;117(8):557–68 (166 ref.) **(Fre)**
[Systemic manifestations associated with celiac disease in adults] Bouhnik Y, et al. **Gastroenterol Clin Biol** 1991; 15(1):28–33 (65 ref.) **(Fre)**
[The skin and the liver. What is their relationship in pathology?] Deleixhe-Mauhin F, et al. **Rev Med Liege** 1990 Dec;45(12):620–9 (59 ref.) **(Fre)**
[The dermatologic lesions of the postphlebitic syndrome] Doss N, et al. **Tunis Med** 1991 Feb;69(2):79–81 (6 ref.) **(Fre)**
[AIDS and the skin] De Filippi C. **G Ital Dermatol Venereol** 1990 Oct;125(10):413–21 (54 ref.) (Eng. Abstr.) **(Ita)**
[Generalized granuloma annulare with primary biliary cirrhosis] Koizumi H, et al. **Nippon Hifuka Gakkai Zasshi** 1990 Jul;100(8):871–8 (27 ref.) (Eng. Abstr.) **(Jpn)**
[Skin aging. Physiopathology and clinical perspective (see comments)] Rodrigo FG, et al. **Acta Med Port** 1990 Sep–Oct;3(5):311–8 (75 ref.) (Eng. Abstr.) Comment in: Acta Med Port 1990 Sep–Oct;3(5):323. **(Por)**
[Dermatomyositis. Clinico-histologic study of its skin manifestations] Soto de Delás J, et al. **Rev Med Univ Navarra** 1989 Jul–Sep;33(3):135–47 (51 ref.) (Eng. Abstr.) **(Spa)**

GENETICS

Dermatology and the human gene map. Moss C. **Br J Dermatol** 1991 Jan;124(1):3–9 (23 ref.)
Autosomal dominant transmission of the NAME syndrome (nevi, atrial myxoma, mucinosis of the skin and endocrine overactivity). Koopman RJ, et al. **Hum Genet** 1991 Jan; 86(3):300–4 (42 ref.)
Inherited mouse mutations as models of human adnexal, cornification, and papulosquamous dermatoses. Sundberg JP, et al. **J Invest Dermatol** 1990 Nov;95(5):62S–63S (15 ref.)
Neonatal purpura fulminans due to homozygous protein C or protein S deficiencies. Marlar RA, et al. **Semin Thromb Hemost** 1990 Oct;16(4):299–309 (88 ref.)
[HLA system in dermatology] Koeppel MC, et al. **Ann Med Interne (Paris)** 1990;141(8):698–706 (84 ref.) **(Fre)**

IMMUNOLOGY

Immunology and treatment of mosquito bites. Reunala T, et al. **Clin Exp Allergy** 1990 Nov;20 Suppl 4:19–24 (37 ref.)
Humoral immunopathological mechanisms in the skin. Jordon RE, et al. **Immunol Ser** 1989;46:109–22 (46 ref.)
Cell adhesion molecules. Structure, function, and implication in a variety of cutaneous and other pathologic conditions. Katz AM, et al. **Int J Dermatol** 1991 Mar;30(3):153–60 (55 ref.)
Immunogenetic features of some cases of immune-mediated skin diseases. Arnett FC. **J Autoimmun** 1991 Feb; 4(1):97–112 (79 ref.)
Role of Langerhans cells in cutaneous immunologic processes. Dezutter-Dambuant C. **Semin Dermatol** 1988 Jun;7(2):163–70 (113 ref.)

METABOLISM

Molecular pathology of collagen in cutaneous diseases. Uitto J. **Adv Dermatol** 1991;6:265–86; discussion 287 (84 ref.)
Keratin in cutaneous amyloidoses. Hashimoto K, et al. **Clin Dermatol** 1990 Apr–Jun;8(2):55–65 (35 ref.)

MICROBIOLOGY

Viral warts. Highet AS. **Semin Dermatol** 1988 Mar;7(1):53–7 (52 ref.)

PARASITOLOGY

Parasites of the skin and hair. Blondell RD. **Prim Care** 1991 Mar;18(1):167–83 (47 ref.)

PATHOLOGY

Monoclonal antibodies in diagnostic dermatopathology. Cerio R, et al. **Adv Dermatol** 1988;3:123–40 (110 ref.)
Fibrosing conditions in childhood. Falanga V. **Adv Dermatol** 1991;6:145–58; discussion 159 (57 ref.)
The invisible dermatoses. Kligman AM. **Arch Dermatol** 1991 Sep;127(9):1375–82 (51 ref.)
Acute febrile neutrophilic dermatosis in childhood (Sweet's syndrome). Collins P, et al. **Br J Dermatol** 1991 Feb; 124(2):203–6 (17 ref.)
Benign persistent papular acantholytic and dyskeratotic eruption: a case report and review of the literature. Van Joost T, et al. **Br J Dermatol** 1991 Jan;124(1):92–5 (21 ref.)
Histopathology of primary cutaneous amyloidoses and systemic amyloidosis. Li WM. **Clin Dermatol** 1990 Apr–Jun;8(2):30–5 (21 ref.)
Electron microscopy of primary and secondary cutaneous amyloidoses and systemic amyloidosis. Lin CS, et al. **Clin Dermatol** 1990 Apr–Jun;8(2):36–45 (26 ref.)
Tissue culture and cutaneous amyloidoses. Lo WL, et al. **Clin Dermatol** 1990 Apr–Jun;8(2):80–6 (31 ref.)
Clinical features of cutaneous amyloidoses. Wang WJ. **Clin Dermatol** 1990 Apr–Jun;8(2):13–9 (25 ref.)
Mucocutaneous manifestations in systemic amyloidosis. Wong CK. **Clin Dermatol** 1990 Apr–Jun;8(2):7–12 (19 ref.)
Histopathologic features of HIV-associated skin disease. Smith KJ, et al. **Dermatol Clin** 1991 Jul;9(3):551–78 (79 ref.)
Cervicoauricular fistula. Verma A, et al. **Ear Nose Throat J** 1990 Dec;69(12):826–8 (11 ref.)
Mechanisms of granulomatous inflammation. Epstein WL, et al. **Immunol Ser** 1989;46:687–721 (172 ref.)
Mechanisms of phototoxicity in porphyria cutanea tarda and erythropoietic protoporphyria. Lim HW. **Immunol Ser** 1989;46:671–85 (37 ref.)
Abnormal cutaneous topobiology: the molecular basis for dermatopathologic mononuclear cell patterns in inflammatory skin disease. Nickoloff BJ, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):128S–131S (36 ref.)
Common skin lesions of the elderly. Ries WR, et al. **Otolaryngol Clin North Am** 1990 Dec;23(6):1121–39 (37 ref.)
Nails in light and electron microscopy. Achten G, et al. **Semin Dermatol** 1991 Mar;10(1):54–64 (33 ref.)
Actinic reticuloid. Toonstra J. **Semin Diagn Pathol** 1991 May; 8(2):109–16 (50 ref.)
Dermatopathology of skin necrosis associated with purpura fulminans. Adcock DM, et al. **Semin Thromb Hemost** 1990 Oct;16(4):283–92 (81 ref.)
[Localized amyloidosis—dermatological area] Jidoi J, et al. **Nippon Rinsho** 1991 Apr;49(4):927–30 (17 ref.) **(Jpn)**

PHYSIOPATHOLOGY

Current concepts of neurocutaneous disorders. Berg BO. **Brain Dev** 1991;13(1):9–20 (145 ref.)
A current perspective on the role of eosinophils in dermatologic diseases. Leiferman KM. **J Am Acad Dermatol** 1991 Jun;24(6 Pt 2):1101–12 (106 ref.)
Tumor necrosis factor. Wakefield PE, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 1):675–85 (111 ref.)
Photodamaged skin: a medical or a cosmetic concern? Raab WP. **J Int Med Res** 1990;18 Suppl 3:2C–7C (16 ref.)
[Induced inflammation in normal human skin. I. Value, methods and results] Queille-Roussel C, et al. **Ann Dermatol Venereol** 1991;118(4):329–37 (51 ref.) **(Fre)**
[Vitronectin in normal human skin and in skin lesions] Hintner H, et al. **Hautarzt** 1991 Jan;42(1):16–22 (56 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

[Psychosomatic dermatology] Haustein UF, et al. **Dermatol Monatsschr** 1990;176(12):725–33 (49 ref.) (Eng. Abstr.) **(Ger)**
[Psychocutaneous diseases in primary care] Pérez-Izquierdo JM, et al. **Aten Primaria** 1991 Mar;8(3):177–80, 183–4, 187–92 (23 ref.) **(Spa)**

SURGERY

Tissue expansion. Swanson NA, et al. **Adv Dermatol** 1988; 3:243–58 (12 ref.)
Lasers 1990. Wheeland RG. **Adv Dermatol** 1991;6:125–41; discussion 142 (92 ref.)
Functional applications of suction-assisted lipectomy: a new treatment for old disorders. Apesos J, et al. **Aesthetic Plast Surg** 1991 Winter;15(1):73–9 (31 ref.)
Office dermatologic surgery and laser therapy. Roenigk RK. **Postgrad Med** 1991 Aug;90(2):209–15 (23 ref.)

THERAPY

Interferons: therapeutic potential in cutaneous diseases. Vance JC. **Adv Dermatol** 1991;6:3–33; discussion 34 (178 ref.)
Nongenital warts: classification and treatment options. Bolton RA. **Am Fam Physician** 1991 Jun;43(6):2049–56 (18 ref.)
Treatment. Wong CK. **Clin Dermatol** 1990 Apr–Jun; 8(2):108–11 (27 ref.)
Treatment of non-melanoma skin cancer: a review of recent trends with special reference to the Australian scene. Ashby MA, et al. **Clin Oncol (R Coll Radiol)** 1990 Sep;2(5):284–94 (60 ref.)
Shocking therapy: uses of transcutaneous electric nerve stimulation in dermatology. Ely H. **Dermatol Clin** 1991 Jan; 9(1):189–97 (63 ref.)
Dry skin, water, and lubrication. Lazar AP, et al. **Dermatol Clin** 1991 Jan;9(1):45–51 (21 ref.)
Chemical face peels. Matarasso SL, et al. **Dermatol Clin** 1991 Jan;9(1):131–50 (48 ref.)
Recent advances in phototherapy and photochemotherapy of skin disease. Morison WL. **J Dermatol Sci** 1990 May; 1(3):141–7 (21 ref.)
Reoperative versus conservative management for gastrointestinal fistulas. Rubelowsky J, et al. **Surg Clin North Am** 1991 Feb;71(1):147–57 (30 ref.)

VETERINARY

Veterinary dermatohistopathology: what's new and exciting? Scott DW. **Adv Dermatol** 1991;6:289–307; discussion 308 (88 ref.)
The role of nutrition in the management of dermatoses. Codner EC, et al. **Semin Vet Med Surg (Small Anim)** 1990 Aug;5(3):167–77 (42 ref.)
Fatty acid supplementation and skin disease. Campbell KL. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1475–86 (37 ref.)
A user's guide to veterinary surgical pathology laboratories. Or, why do I still get a diagnosis of chronic dermatitis even when I take a perfect biopsy? Dunstan RW. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1397–417 (20 ref.)
Recently described feline dermatoses. Medleau L. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1615–32 (78 ref.)
Skin diseases of the Chinese Shar-Pei. Muller GH. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1655–70 (5 ref.)
New therapeutic agents in veterinary dermatology. Mundell AC. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1541–56 (80 ref.)
Synthetic retinoids in veterinary dermatology. Power HT, et al. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1525–39 (47 ref.)
Newly reported skin disease syndromes in the dog. Stewart LJ. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1603–13 (30 ref.)

SKIN DISEASES, BULLOUS see **SKIN DISEASES, VESICULOBULLOUS**

SKIN DISEASES, FUNGAL see **DERMATOMYCOSES**

SKIN DISEASES, INFECTIOUS

Zoster-like eruption associated with herpes simplex virus infection in children. Harel L, et al. **Clin Pediatr (Phila)** 1990 Sep;29(9):539–41 (21 ref.)
Recent advances in pediatric infectious diseases and their impact on dermatology. Grossman KL, et al. **J Am Acad Dermatol** 1991 Mar;24(3):379–89 (117 ref.)

COMPLICATIONS

Disseminated, nonmeningeal gastrointestinal cryptococcal infection in an HIV-negative patient. Daly JS, et al. **Am J Gastroenterol** 1990 Oct;85(10):1421–4 (18 ref.)
Human immunodeficiency virus infection and the skin. A crucial interface. Cockerell CJ. **Arch Intern Med** 1991 Jul; 151(7):1295–303 (48 ref.)
Mucocutaneous disease in pediatric human immunodeficiency virus infection. Prose NS. **Pediatr Clin North Am** 1991 Aug; 38(4):977–90 (72 ref.)
The clinicopathologic spectrum of bacillary (epithelioid) angiomatosis. Cockerell CJ. **Prog AIDS Pathol** 1990; 2:111–26 (11 ref.)

DIAGNOSIS

Common skin infections. Sippe JR. **Aust Fam Physician** 1991 Jun;20(6):783–4, 787, 790–4 (4 ref.)

DRUG THERAPY

Cutaneous herpes simplex virus infections. Arbesfeld DM, et al. **Am Fam Physician** 1991 May;43(5):1655–64 (21 ref.)
Treatment of bacterial skin and soft tissue infections. File TM Jr, et al. **Surg Gynecol Obstet** 1991;172 Suppl:17–24 (45 ref.)
[Bacterial diseases of the skin in general practice] Hübner U, et al. **Z Arztl Fortbild (Jena)** 1990;84(23):1194–7 (8 ref.) **(Ger)**

ETIOLOGY

Cutaneous manifestations of systemic infection in children. Prose NS, et al. **Curr Probl Pediatr** 1991 Mar;21(3):92–113; discussion 114 (154 ref.)
The effect of UV-irradiation on viral infections of the skin. Norval M, et al. **Microbiol Sci** 1986 Jul;3(7):220–3 (25 ref.)
[Sporotrichoid form of M. marinum infection in a patient treated with cyclosporin following kidney transplantation] Dompmartin A, et al. **Ann Dermatol Venereol** 1991; 118(5):377–9 (29 ref.) **(Fre)**
[Infectious dermatoses in athletes] Ben Mosbah T, et al. **Rev Med Liege** 1990 Nov;45(11):571–7 (57 ref.) **(Fre)**
[Frequent dermatoses in early childhood] Albrecht-Nebe H. **Z Arztl Fortbild (Jena)** 1990;84(23):1217–21 (9 ref.) **(Ger)**

MICROBIOLOGY

[An anthrax epidemic in Switzerland. Clinical, diagnostic and epidemiological aspects of a mostly forgotten disease] Pfisterer RM. **Schweiz Med Wochenschr** 1991 Jun 1; 121(22):813–25 (99 ref.) (Eng. Abstr.) **(Ger)**
[Cutaneous infection by Mycobacterium fortuitum biovariant "third group"—a case report and bacteriological examination of the isolate] Fujimoto W, et al.

Nippon Hifuka Gakkai Zasshi 1990 Oct;100(11):1173–81 (54 ref.) (Eng. Abstr.) **(Jpn)**

[Cutaneous atypical mycobacteriosis due to Mycobacterium kansasii--a case report and a review of the literature] Iijima M, et al. **Nippon Hifuka Gakkai Zasshi** 1990 May; 100(6):711–20 (40 ref.) (Eng. Abstr.) **(Jpn)**

[Mycobacterium fortuitum in patients with chronic renal insufficiency: apropos of 2 cases] Viguera J, et al. **Enferm Infecc Microbiol Clin** 1990 May;8(5):286–8 (17 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Generalized eruption in a liver transplant patient. CMV. Elenitsas R, et al. **Arch Dermatol** 1990 Nov;126(11):1498, 1501 (17 ref.)

Nontuberculous mycobacterial infections of the skin. Report of fourteen cases and review of the literature. Street ML, et al. **J Am Acad Dermatol** 1991 Feb;24(2 Pt 1):208–15 (59 ref.)

Diagnosis of cutaneous cytomegalovirus infection: a review and report of a case. Toome BK, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 2):860–7 (53 ref.)

The turtle's revenge: a case of soft tissue Mycobacterium chelonae infection. Miller AC, et al. **Med J Aust** 1990 Oct 15;153(8):493–5 (24 ref.)

SURGERY

Necrotizing lesions of soft tissues: a review. Patiño JF, et al. **World J Surg** 1991 Mar–Apr;15(2):235–9 (45 ref.)

THERAPY

[Clinical aspects and therapy of frequent viral diseases of the skin] Kölzsch J. **Z Arztl Fortbild (Jena)** 1990; 84(23):1199–202 (0 ref.) **(Ger)**

SKIN DISEASES, PARASITIC

see related
ECTOPARASITIC INFESTATIONS

ETIOLOGY

Human subcutaneous dirofilariasis caused by Dirofilaria repens. Report of a case in Norway and review of recent literature. Settnes OP, et al. **APMIS** 1991 Apr;99(4):364–70 (46 ref.)

PARASITOLOGY

Urinary schistosomiasis with cutaneous lesions. Romero JA, et al. **Urol Int** 1991;46(1):85–6 (7 ref.)

SKIN DISEASES, STAPHYLOCOCCAL see **STAPHYLOCOCCAL SKIN INFECTIONS**

SKIN DISEASES, VESICULAR see **SKIN DISEASES, VESICULOBULLOUS**

SKIN DISEASES, VESICULOBULLOUS

Bullous dermatoses and prurigo of pregnancy. Hayashi RH. **Clin Obstet Gynecol** 1990 Dec;33(4):746–53 (35 ref.)

Blistering disorders in childhood. Eichenfield LF, et al. **Pediatr Clin North Am** 1991 Aug;38(4):959–76 (55 ref.)

Chronic bullous disease of childhood. Wojnarowska F. **Semin Dermatol** 1988 Mar;7(1):58–65 (57 ref.)

BLOOD

[Anti-Borrelia burgdorferi antibodies in chronic erythema migrans, benign lymphadenosis cutis, scleroderma and sclerotrophic lichen] Afa G, et al. **G Ital Dermatol Venereol** 1990 Sep;125(9):369–73 (48 ref.) (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Linear IgA dermatosis and Hodgkin's lymphoma--report of a case in an African and review of the literature. Jacyk WK, et al. **J Dermatol** 1990 Oct;17(10):633–7 (13 ref.)

[Subcorneal pustular dermatosis associated with epidermoid carcinoma of the lung] Buchet S, et al. **Ann Dermatol Venereol** 1991;118(2):125–8 (9 ref.) **(Fre)**

[Papular mucinosis disclosed by myopathy (letter)] Petit E, et al. **Ann Med Interne (Paris)** 1991;142(2):143–4 (11 ref.) **(Fre)**

[Acute neutrophilic febrile dermatosis (Sweet syndrome) associated with melanoma] Sánchez Conejo-Mir J, et al. **Med Cutan Ibero Lat Am** 1990;18(3):155–8 (16 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

The relevance of immunohistochemical techniques in the differentiation of subepidermal bullous diseases. Mutasim DF, et al. **Am J Dermatopathol** 1991 Feb;13(1):77–83 (38 ref.)

Immunodermatology update: the immunologically mediated vesiculobullous diseases. Helm KF, et al. **Mayo Clin Proc** 1991 Feb;66(2):187–202 (100 ref.)

Blistering diseases. Diagnostic help for primary care physicians. Goldberg SH, et al. **Postgrad Med** 1991 Feb 1;89(2):159–62 (3 ref.)

ETIOLOGY

[Solarium pseudoporphyria. Report of a case and review of the literature] Weiss J, et al. **Hautarzt** 1990 Dec; 41(12):671–4 (18 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Adult linear immunoglobulin A disease manifesting as desquamative gingivitis. Porter SR, et al. **Oral Surg Oral Med Oral Pathol** 1990 Oct;70(4):450–3 (45 ref.)

Evolving concept of IgA linear dermatosis. Chorzelski T, et al. **Semin Dermatol** 1988 Sep;7(3):225–32 (84 ref.)

New immunologic techniques for the fine diagnosis of blistering diseases. Woodley DT, et al. **Semin Dermatol** 1988 Sep;7(3):178–85 (35 ref.)

PATHOLOGY

Reevaluation of routine histology in the diagnosis of blistering diseases. Cockerell CJ. **Semin Dermatol** 1988 Sep; 7(3):171–7 (5 ref.)

[Oral manifestations of skin diseases] Zucker J, et al. **J Can Dent Assoc** 1990 Sep;56(9):867–71 (20 ref.) (Eng. Abstr.) **(Fre)**

SKIN DRUG ADMINISTRATION see **ADMINISTRATION, CUTANEOUS**

SKIN ELECTRIC CONDUCTANCE see **GALVANIC SKIN RESPONSE**

SKIN NEOPLASMS

Chemotherapy of metastatic Merkel cell carcinoma: case report and review of the literature. Sharma D, et al. **Am J Clin Oncol** 1991 Apr;14(2):166–9 (16 ref.)

An exchange of ideas about dysplastic nevi and malignant melanomas. Ackerman AB, et al. **Am J Dermatopathol** 1985;7 Suppl:99–105 (0 ref.)

Some observations, reflections, and questions about dysplastic nevi [editorial] Dixon SL, et al. **Am J Dermatopathol** 1985; 7 Suppl:A17–25 (69 ref.)

The dysplastic nevus syndrome. 1985 status report. Greene MH. **Am J Dermatopathol** 1985;7 Suppl:117–21 (57 ref.)

Regression of malignant melanoma. Is it present as frequently as it is invoked? Rywlin AM. **Am J Dermatopathol** 1985; 7 Suppl:183–5 (11 ref.)

Human cutaneous malignant melanoma as a model for cancer. Clark WH Jr. **Cancer Metastasis Rev** 1991 Jun;10(2):83–8 (17 ref.)

Squamous cell and basal cell skin carcinoma and rarer histologic types of skin cancer. Mortimer P. **Curr Opin Oncol** 1991 Apr;3(2):349–54 (29 ref.)

The epidermal nevus syndrome. Hodge JA, et al. **Int J Dermatol** 1991 Feb;30(2):91–8 (47 ref.)

Neurocutaneous melanosis: definition and review of the literature. Kadonaga JN, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 1):747–55 (76 ref.)

Biology of basal cell carcinoma (Part II). Miller SJ. **J Am Acad Dermatol** 1991 Feb;24(2 Pt 1):161–75 (236 ref.)

Biology of basal cell carcinoma (Part I). Miller SJ. **J Am Acad Dermatol** 1991 Jan;24(1):1–13 (194 ref.)

Bowenoid papulosis. Schwartz RA, et al. **J Am Acad Dermatol** 1991 Feb;24(2 Pt 1):261–4 (46 ref.)

Malignant melanoma as a model for cancer education and prevention. 1989 Harvey lecture American Association for Cancer Education. Robinson WA. **J Cancer Educ** 1990; 5(2):85–9 (22 ref.)

Mycosis fungoides and the Sézary syndrome: a review of pathogenesis, diagnosis, and therapy. Kuzel TM, et al. **J Clin Oncol** 1991 Jul;9(7):1298–313 (132 ref.)

Cutaneous melanoma. Koh HK. **N Engl J Med** 1991 Jul 18; 325(3):171–82 (190 ref.)

Important melanocytic lesions in childhood and adolescence. Roth ME, et al. **Pediatr Clin North Am** 1991 Aug; 38(4):791–809 (149 ref.)

Hemangiomas and vascular malformations. Silverman RA. **Pediatr Clin North Am** 1991 Aug;38(4):811–34 (123 ref.)

Primary cutaneous adenoid cystic carcinoma: a case report and review of the literature. Salzman MJ, et al. **Plast Reconstr Surg** 1991 Jul;88(1):140–4 (33 ref.)

Pigmented nevi. Hurwitz S. **Semin Dermatol** 1988 Mar; 7(1):17–25 (27 ref.)

Cutaneous malignant melanoma. Lawler PE. **Semin Oncol Nurs** 1991 Feb;7(1):26–35 (81 ref.)

Malignant melanoma and pigmented lesions: a diagnostic and management dilemma. Sina B, et al. **South Med J** 1990 Oct;83(10):1218–23 (20 ref.)

The Merkel cell and associated neoplasms in the eyelids and periocular region. Kivelä T, et al. **Surv Ophthalmol** 1990 Nov–Dec;35(3):171–87 (143 ref.)

Malignant melanoma. Raich PC. **W V Med J** 1990 Dec; 86(12):556–60 (15 ref.)

[Abrikossoff's tumor of the hand. Apropos of a case. Review of the literature] Maladry D, et al. **Ann Chir Main Memb Super** 1991;10(2):167–70 (16 ref.) (Eng. Abstr.) **(Fre)**

[Cutaneous plasmacytoma: review of the literature apropos of a case] Collet E, et al. **Rev Med Interne** 1991 May–Jun; 12(3):183–6 (22 ref.) (Eng. Abstr.) **(Fre)**

[Pilomatrix carcinoma. A new case] Naval L, et al. **Rev Stomatol Chir Maxillofac** 1991;92(1):48–50 (13 ref.) (Eng. Abstr.) **(Fre)**

[Amelanotic melanoma. Study of 18 cases] Rutowitsch MS, et al. **Med Cutan Ibero Lat Am** 1990;18(1):49–57 (43 ref.) (Eng. Abstr.) **(Por)**

[Epithelioid sarcoma. Immunohistochemical study. Therapy with recombinant alfa interferon] Porta J, et al. **Med Cutan Ibero Lat Am** 1990;18(3):191–6 (20 ref.) (Eng. Abstr.) **(Spa)**

[Vascular nevus. A study of its frequency, types and course] Tincopa Wong O, et al. **Med Cutan Ibero Lat Am** 1990; 18(2):112–8 (17 ref.) (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Inhibitory effect of curcumin and some related dietary compounds on tumor promotion and arachidonic acid metabolism in mouse skin. Conney AH, et al. **Adv Enzyme Regul** 1991;31:385–96 (27 ref.)

Mouse skin tumours and human lung cancer: relationships with complex environmental emissions. Nesnow S. **IARC Sci Publ** 1990;(104):44–54 (41 ref.)

Photocarcinogenicity of psoralens used in PUVA treatment: present status in mouse and man. Young AR. **J Photochem Photobiol B** 1990 Jun;6(1–2):237–47 (70 ref.)

Evidence for and possible mechanisms of non-genotoxic carcinogenesis in mouse skin. Ingram AJ, et al. **Mutat Res** 1991 Jun;248(2):333–40 (46 ref.)

Modification of multistage skin carcinogenesis in mice. DiGiovanni J. **Prog Exp Tumor Res** 1991;33:192–229 (186 ref.)

[Puva therapy and carcinogenesis] Thomas P, et al. **Ann Dermatol Venereol** 1991;118(6–7):503–6 (27 ref.) **(Fre)**

CLASSIFICATION

A review and proposed new classification of benign acquired neoplasms with hair follicle differentiation. Rosen LB. **Am J Dermatopathol** 1990 Oct;12(5):496–516 (106 ref.)

COMPLICATIONS

The infrequent association of systemic lupus erythematosus and solid tumors. Sulkes A, et al. **Cancer** 1991 Sep 15; 68(6):1389–93 (35 ref.)

Florid cutaneous papillomatosis, malignant acanthosis nigricans, and pulmonary squamous cell carcinoma. Gheeraert P, et al. **Int J Dermatol** 1991 Mar;30(3):193–7 (25 ref.)

Multiple pilomatricomas and myotonic dystrophy. Street ML, et al. **J Dermatol Surg Oncol** 1991 Sep;17(9):728–30 (13 ref.)

The clinicopathologic spectrum of bacillary (epithelioid) angiomatosis. Cockerell CJ. **Prog AIDS Pathol** 1990; 2:111–26 (11 ref.)

[Multiple spinocellular carcinomas on chronic lymphedema. Association with vitiligo] Dandurand M, et al. **Ann Dermatol Venereol** 1990;117(12):953–6 (19 ref.) **(Fre)**

[Carcinoma cuniculatum arising in necrobiosis lipoidica] Porneuf M, et al. **Ann Dermatol Venereol** 1991; 118(6–7):461–4 (19 ref.) **(Fre)**

[Solomon's syndrome associated with fibrous dysplasia of bone and vitamin-resistant rickets] Feldmann JL, et al. **Rev Rhum Mal Osteoartic** 1990 Dec;57(12):881–4 (37 ref.) **(Fre)**

[Acute neutrophilic febrile dermatosis (Sweet syndrome) associated with melanoma] Sánchez Conejo-Mir J, et al. **Med Cutan Ibero Lat Am** 1990;18(3):155–8 (16 ref.) (Eng. Abstr.) **(Spa)**

CONGENITAL

Congenital malignant melanoma. Ishii N, et al. **Br J Dermatol** 1991 May;124(5):492–4 (13 ref.)

Congenital melanocytic nevi: update 1990. Clark DP, et al. **Mo Med** 1991 Apr;88(4):228–31 (34 ref.)

Congenital vascular lesions. Metzker A. **Semin Dermatol** 1988 Mar;7(1):9–16 (26 ref.)

DIAGNOSIS

Evaluation and management of Carney's complex: an illustrative case [see comments] Wallace TM, et al. **Cleve Clin J Med** 1991 May–Jun;58(3):248–50, 255–6 (21 ref.) Comment in: Cleve Clin J Med 1991 May–Jun;58(3):214.

Immunocytochemistry and cutaneous neoplasia ('something will turn up', Micawber 1863). McKee PH. **Clin Exp Dermatol** 1990 Jul;15(4):235–44 (71 ref.)

Diagnosis, detection, and staging of cutaneous malignant melanoma. MacKie RM. **Curr Opin Oncol** 1990 Apr; 2(2):394–6 (22 ref.)

New concepts in the field of vascular disorders of the skin. Picó MR, et al. **P R Health Sci J** 1991 Apr;10(1):25–32 (71 ref.)

Difficult diagnostic and management issues in pediatric dermatology. Eichenfield LF, et al. **Pediatr Clin North Am** 1991 Jun;38(3):687–710 (130 ref.)

Immunohistological markers for the diagnosis of cutaneous lymphomas. Ralfkiaer E. **Semin Diagn Pathol** 1991 May; 8(2):62–72 (62 ref.)

Basal and squamous cell carcinomas: an overview. Vargo NL. **Semin Oncol Nurs** 1991 Feb;7(1):13–25 (56 ref.)

[Revised consensus melanoma of the skin] Rampen FH, et

al. **Ned Tijdschr Geneeskd** 1990 Oct 20;134(42):2031–3 (2 ref.) (Eng. Abstr.) **(Dut)**

[Von Recklinghausen's disease of atypical form (letter)] Béquet D, et al. **Ann Med Interne (Paris)** 1990; 141(7):619–20 (13 ref.) **(Fre)**

[Merkel cell carcinoma: differential diagnosis and appropriate therapy] Atzinger A. **Rontgenpraxis** 1990 Sep;43(9):338–40 (14 ref.) **(Ger)**

[Malignant lymphoma of the skin—especially cutaneous T-cell lymphoma] Nakajima H. **Nippon Hifuka Gakkai Zasshi** 1990 Nov;100(13):1336–8 (12 ref.) **(Jpn)**

[Epithelioid angiomatosis and HIV infection. A neoplastic or infectious proliferative disease?] Aguilar Ligorit E, et al. **An Med Interna** 1990 Jun;7(6):312–4 (25 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Photopheresis for T cell mediated diseases. Heald PW, et al. **Adv Dermatol** 1988;3:25–40 (16 ref.)

Chemotherapy of metastatic Merkel cell cancer. Crown J, et al. **Cancer Invest** 1991;9(2):129–32 (18 ref.)

EPIDEMIOLOGY

The rising incidence of cutaneous malignant melanoma. Lee JA. **Am J Dermatopathol** 1985;7 Suppl:35–9 (23 ref.)

Etiology, epidemiology, and prognosis of melanoma and skin neoplasms. Lee JA. **Curr Opin Oncol** 1990 Apr;2(2):388–93 (37 ref.)

Etiology and epidemiology of melanoma and skin neoplasms. Osterlind A. **Curr Opin Oncol** 1991 Apr;3(2):355–9 (26 ref.)

Melanoma and nonmelanoma skin cancer: epidemiology and risk factors. Fraser MC, et al. **Semin Oncol Nurs** 1991 Feb; 7(1):2–12 (72 ref.)

ETIOLOGY

Fibrosarcoma of the scalp following postoperative radiotherapy for medulloblastoma. Prasad ML, et al. **Acta Neurochir (Wien)** 1991;109(3–4):145–9 (22 ref.)

Multiple primary carcinomas as sequelae of treatment of pulmonary tuberculosis with repeated induced pneumothoraces. Case report and review of the literature. Solan MJ. **Am J Clin Oncol** 1991 Feb;14(1):49–51 (25 ref.)

Bowen's disease (squamous cell carcinoma in situ) as a skin marker for internal malignancy: a case–control study. Chuang TY, et al. **Am J Prev Med** 1990 Jul–Aug; 6(4):238–43 (21 ref.)

Squamous cell carcinoma arising in a sternotomy scar. Korula R, et al. **Ann Thorac Surg** 1991 Apr;51(4):667–9 (14 ref.)

In vivo ultraviolet irradiation of human skin results in profound perturbation of the immune system. Relevance to ultraviolet-induced skin cancer [published erratum appears in Arch Dermatol 1991 Sep;127(9):1368] Baadsgaard O. **Arch Dermatol** 1991 Jan;127(1):99–109 (137 ref.)

Effects of chemicals on photobiologic reactions of skin. Davies RE, et al. **Basic Life Sci** 1990;53:127–35 (9 ref.)

Longwave ultraviolet radiation and promotion of skin cancer. Matsui MS, et al. **Cancer Cells** 1991 Jan;3(1):8–12 (36 ref.)

The conversion stage of skin carcinogenesis. Marks F, et al. **Carcinogenesis** 1990 Dec;11(12):2085–92 (100 ref.)

Experimental studies of melanoma and other skin neoplasms. Albino AP. **Curr Opin Oncol** 1990 Apr;2(2):371–6 (17 ref.)

Etiology, epidemiology, and prognosis of melanoma and skin neoplasms. Lee JA. **Curr Opin Oncol** 1990 Apr;2(2):388–93 (37 ref.)

Multiple dermatofibromas in patients with autoimmune disorders receiving immunosuppressive therapy. Cohen PR. **Int J Dermatol** 1991 Apr;30(4):266–70 (20 ref.)

Pigmented postacne osteoma cutis in a patient treated with minocycline: report and review of the literature. Moritz DL, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 2):851–3 (19 ref.)

Marjolin's ulcer: a review and reevaluation of a difficult problem. Fleming MD, et al. **J Burn Care Rehabil** 1990 Sep–Oct;11(5):460–9 (35 ref.)

Photocarcinogenesis in the skin. Jung EG. **J Dermatol** 1991 Jan;18(1):1–10 (19 ref.)

Stratospheric ozone depletion and its relationship to skin cancer. Amron DM, et al. **J Dermatol Surg Oncol** 1991 Apr;17(4):370–2 (19 ref.)

Tanning with UVB or UVA: an appraisal of risks. Diffey BL, et al. **J Photochem Photobiol B** 1991 Jan;8(2):219–23 (17 ref.)

Grip and stick and the lymphatics. Ryan TJ. **Lymphology** 1990 Jun;23(2):81–4 (22 ref.)

AIDS, Kaposi sarcoma, and the lymphatic system: update and reflections. Witte MH, et al. **Lymphology** 1990 Jun; 23(2):73–80 (24 ref.)

Solar ultraviolet radiation effects on biological systems. Diffey BL. **Phys Med Biol** 1991 Mar;36(3):299–328 (164 ref.)

The influence of female hormones on malignant melanoma. Franceschi S, et al. **Tumori** 1990 Oct 31;76(5):439–49 (90 ref.)

[Skin pigmentation, nevi and sunshine as etiological factors in cutaneous malignant melanoma] Osterlind A, et al. **Nord Med** 1990;105(8–9):223–9 (30 ref.) (Eng. Abstr.) **(Dan)**

[An autopsy case of postirradiation cutaneous angiosarcoma of the hip] Okada H, et al. **Gan No Rinsho** 1990 Nov; 36(14):2497–501 (25 ref.) (Eng. Abstr.) **(Jpn)**

[Risk evaluation of stratospheric ozone depletion resulting from chlorofluorocarbons (CFC) on human health] Ando M. **Nippon Eiseigaku Zasshi** 1990 Dec;45(5):947–53 (20 ref.) (Eng. Abstr.) **(Jpn)**

[The occurrence of squamous-cell skin cancer in psoriasis patients] Anishchenko IS. **Vestn Dermatol Venerol** 1990; (11):25–9 (18 ref.) (Eng. Abstr.) **(Rus)**

[The etiology of Kaposi's sarcoma] Soriano V, et al. **Med Clin (Barc)** 1991 May 4;96(17):662–7 (63 ref.) **(Spa)**

GENETICS

Oncogenes and human malignancy. Wagner RF Jr, et al. **Adv Dermatol** 1988;3:277–92 (52 ref.)

Gene rearrangement studies in lymphoproliferative disorders of skin. Weiss LM, et al. **Adv Dermatol** 1988;3:141–60 (65 ref.)

A medical and genetic critique of the familial atypical multiple mole melanoma syndrome and the dysplastic nevus syndrome. Lynch HT, et al. **Am J Dermatopathol** 1985;7 Suppl:107–16 (21 ref.)

Genetics of melanoma. Fountain JW, et al. **Cancer Surv** 1990; 9(4):645–71 (123 ref.)

Allelic somatic mutations may explain vascular twin nevi. Happle R. **Hum Genet** 1991 Jan;86(3):321–2 (14 ref.)

Autosomal dominant transmission of the NAME syndrome (nevi, atrial myxoma, mucinosis of the skin and endocrine overactivity). Koopman RJ, et al. **Hum Genet** 1991 Jan; 86(3):300–4 (42 ref.)

Variants of mycosis fungoides and related cutaneous T-cell lymphomas. LeBoit PE. **Semin Diagn Pathol** 1991 May; 8(2):73–81 (34 ref.)

[Multiple trichoepithelioma and congenital nail dystrophy in 2 brothers] Yedomon HG, et al. **Ann Dermatol Venereol** 1991;118(2):119–20 (8 ref.) **(Fre)**

[Cutaneous senescence and carcinogenesis] Berbis P. **Rev Fr Gynecol Obstet** 1991 Jun;86(6):448–50 (10 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Immune response to basal cell and squamous cell carcinomas. Grimwood RE. **Immunol Ser** 1989;46:789–98 (43 ref.)

Melanoma and immunity. Rheins LA, et al. **Immunol Ser** 1989;46:769–87 (70 ref.)

Immune surveillance against cutaneous malignancies in experimental animals. Romerdahl CA, et al. **Immunol Ser** 1989;46:749–67 (72 ref.)

Lymphomatoid papulosis and Ki-1 (CD30)-positive cutaneous large cell lymphomas. Kaudewitz P, et al. **Semin Diagn Pathol** 1991 May;8(2):117–24 (46 ref.)

MICROBIOLOGY

Bacillary angiomatosis. Berger TG, et al. **AIDS Clin Rev** 1991;:81–95 (34 ref.)

PATHOLOGY

The histopathology of dysplastic nevi. Continued controversy. Roth ME, et al. **Am J Dermatopathol** 1991 Feb;13(1):38–51 (33 ref.)

Basaloid monomorphic adenomas. Batsakis JG, et al. **Ann Otol Rhinol Laryngol** 1991 Aug;100(8):687–90 (20 ref.)

Generalised eruptive syringoma—a papular dermatosis. Dyall-Smith DJ, et al. **Australas J Dermatol** 1990; 31(2):95–8 (27 ref.)

Amelanotic lentigo malignant melanoma: a case report and review of the literature. Irwin MS, et al. **Br J Plast Surg** 1991 May–Jun;44(4):312–4 (9 ref.)

Malignant blue nevus. Connelly J, et al. **Cancer** 1991 May 15;67(10):2653–7 (22 ref.)

Basal-cell carcinoma complicating a port-wine stain. Duhra P, et al. **Clin Exp Dermatol** 1991 Jan;16(1):63–5 (8 ref.)

Diagnosis, detection, and staging of cutaneous malignant melanoma. MacKie RM. **Curr Opin Oncol** 1990 Apr; 2(2):394–6 (22 ref.)

Melanomas and other skin neoplasms. Pathology and case reports [published erratum appears in Curr Opin Oncol 1990 Oct;2(5):1011] Ruiter DJ. **Curr Opin Oncol** 1990 Apr; 2(2):377–87 (30 ref.)

Mycosis fungoides and the Sézary syndrome: pathology, staging, and treatment. Hoppe RT, et al. **Curr Probl Cancer** 1990 Nov–Dec;14(6):293–371 (163 ref.)

Proliferating trichilemmal cyst in an organoid nevus. Gordon CJ. **Cutis** 1991 Jul;48(1):49–52 (13 ref.)

Xeroderma pigmentosum group D patient bearing lentigo maligna without neurological symptoms. Fukuro S, et al. **Dermatologica** 1990;181(2):129–33 (18 ref.)

Clinicopathologic study of cutaneous plasmacytoma. Torne R, et al. **Int J Dermatol** 1990 Oct;29(8):562–6 (20 ref.)

Pulmonary metastasis in nevoid basal cell carcinoma syndrome. Berardi RS, et al. **Int Surg** 1991 Jan–Mar; 76(1):64–6 (27 ref.)

Giant pilomatrix carcinoma: report and review of the literature. Bridger L, et al. **J Am Acad Dermatol** 1990 Nov; 23(5 Pt 2):985–8 (22 ref.)

Disseminated Kaposi's sarcoma not associated with HIV infection in a bisexual man. García-Muret MP, et al. **J Am Acad Dermatol** 1990 Nov;23(5 Pt 2):1035–8 (13 ref.)

Metastatic basal cell carcinoma: report of twelve cases with a review of the literature. Lo JS, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 1):715–9 (67 ref.)

Polypoid melanoma: a virulent variant of nodular melanoma. Report of three cases and literature review. Plotnick H, et al. **J Am Acad Dermatol** 1990 Nov;23(5 Pt 1):880–4 (16 ref.)

Cutaneous angiosarcoma. A literature review and case report. Wolf K, et al. **J Am Podiatr Med Assoc** 1990 Sep; 80(9):501–4 (10 ref.)

Troublesome tumours. 1: Adnexal tumours of the skin. Cotton D. **J Clin Pathol** 1991 Jul;44(7):543–8 (24 ref.)

Proliferating trichilemmal tumor: report of a case and review of the literature. Laing V, et al. **J Dermatol Surg Oncol** 1991 Mar;17(3):295–8 (17 ref.)

Newer variants and simulants of basal cell carcinoma. Lowe L, et al. **J Dermatol Surg Oncol** 1991 Aug;17(8):641–8 (47 ref.)

Embryologic fusion planes and the spread of cutaneous carcinoma: a review and reassessment. Wentzell JM, et al. **J Dermatol Surg Oncol** 1990 Nov;16(11):1000–6 (47 ref.)

Ideas in pathology. Malignant melanoma in situ: the evolution of a concept. Dubow BE, et al. **Mod Pathol** 1990 Nov; 3(6):734–44 (31 ref.)

Well-differentiated angiosarcoma of the skin following radiotherapy. Report of two cases. Cancellieri A, et al. **Pathol Res Pract** 1991 Mar;187(2–3):301–6 (43 ref.)

Histopathologic diagnosis of pigmented lesions of the skin. González SB. **Pathol Res Pract** 1991 May;187(4):387–431 (192 ref.)

Multiple pyogenic granulomata in childhood. Dillman AM, et al. **Pediatr Dermatol** 1991 Mar;8(1):28–31 (22 ref.)

Reticulohistiocytoma of the dorsum (Crosti's disease) and other B-cell lymphomas. Berti E, et al. **Semin Diagn Pathol** 1991 May;8(2):82–90 (12 ref.)

The morphologic spectrum of T-cell lymphomas of the skin: a proposal for a new classification. Kerl H, et al. **Semin Diagn Pathol** 1991 May;8(2):55–61 (28 ref.)

Cutaneous pseudo-T-cell lymphomas. Rijlaarsdam U, et al. **Semin Diagn Pathol** 1991 May;8(2):102–8 (49 ref.)

Intravascular lymphomatosis: clinicopathologic features and differential diagnosis. Wick MR, et al. **Semin Diagn Pathol** 1991 May;8(2):91–101 (53 ref.)

[Conjonctive nevus of the disseminated elastic type without osteopoikilosis or Weidman juvenile elastoma] Marguery MC, et al. **Ann Dermatol Venereol** 1991;118(6–7):465–8 (9 ref.) **(Fre)**

[Pigmented nevus and cutaneous ossifications. Apropos of 125 cases of osteonevi] Moulin G, et al. **Ann Dermatol Venereol** 1991;118(3):199–204 (28 ref.) (Eng. Abstr.) **(Fre)**

[Malignant melanoma: hepatic intra-arterial chemotherapy] Khayat D, et al. **Pathol Biol (Paris)** 1990 Oct;38(8):872–5 (25 ref.) **(Fre)**

[Cutaneous neuroendocrine carcinoma. Apropos of a case] Bergère A, et al. **Rev Med Interne** 1990 Jul–Aug; 11(4):316–8 (8 ref.) (Eng. Abstr.) **(Fre)**

[Diagnostic criteria in epiluminescence microscopy. Consensus meeting of the professional committee of analytic morphology of the Society of Dermatologic Research, 17 November 1989 in Hamburg] Bahmer FA, et al. **Hautarzt** 1990 Sep;41(9):513–4 (19 ref.) **(Ger)**

[Solitary and multiple granular cell tumors. Case reports and review of the literature] Bergner T, et al. **Hautarzt** 1991 Mar;42(3):162–7 (62 ref.) (Eng. Abstr.) **(Ger)**

[Merkel cell tumor] De Cesare A, et al. **Ann Ital Chir** 1990 Sep–Oct;61(5):539–45 (74 ref.) (Eng. Abstr.) **(Ita)**

[Molecular characterization of cutaneous neuroendocrine (Merkel cell) carcinoma. Review of the literature and presentation of a caseload] Lanzafame S. **Pathologica** 1990 May–Jun;82(1079):257–69 (65 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

The epidermal melanin unit in the pathophysiology of malignant melanoma. Jimbow K, et al. **Am J Dermatopathol** 1991 Apr;13(2):179–88 (65 ref.)

Cytokines and human malignant melanoma. Immuno- and growth-regulatory peptides in melanoma biology. Köck A, et al. **Cancer Treat Res** 1991;54:41–66 (172 ref.)

[Importance and function of the melanocyte-stimulating hormone in malignant melanoma. Importance of MSH] Beyer C, et al. **Dermatol Monatsschr** 1990;176(10):589–96 (38 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

The management of early skin cancer in the 90s. Kelly JW. **Aust Fam Physician** 1990 Nov;19(11):1714–25, 1729 (22 ref.)

Protective role of butylated hydroxytoluene and certain carotenoids in photocarcinogenesis. Black HS, et al. **Photochem Photobiol** 1991 May;53(5):707–16 (71 ref.)

Sun-related skin diseases. Prawer SE. **Postgrad Med** 1991 Jun;89(8):51–4, 59–61, 64–6 (20 ref.)

The role of the nurse in skin cancer prevention, screening, and early detection. Berwick M, et al. **Semin Oncol Nurs** 1991 Feb;7(1):64–71 (39 ref.)

Approaches to communicating preventive behaviors. Buller DB, et al. **Semin Oncol Nurs** 1991 Feb;7(1):53–63 (47 ref.)

Chemoprevention of human skin cancers. Loescher LJ, et al. **Semin Oncol Nurs** 1991 Feb;7(1):45–52 (54 ref.)

[UV spectrum of natural light and tanning equipment. How can physical damage be prevented?] Stickl HA. **Fortschr Med** 1990 Dec 20;108(36):691–3 (27 ref.) (Eng. Abstr.) **(Ger)**

[Local sunscreening agents—why, when, how and where?]

Thune P, et al. **Tidsskr Nor Laegeforen** 1991 Jun 30; 111(17):2088–90 (22 ref.) (Eng. Abstr.) **(Nor)**

RADIONUCLIDE IMAGING

[Immunoscintigraphy of malignant melanoma] Nicol L, et al. **Pathol Biol (Paris)** 1990 Oct;38(8):866–9 (19 ref.) (Eng. Abstr.) **(Fre)**

RADIOTHERAPY

Merkel cell carcinoma: the role of primary treatment with radiotherapy. Hasle H. **Clin Oncol (R Coll Radiol)** 1991 Mar;3(2):114–6 (20 ref.)

Surgery and radiotherapy for melanoma and skin neoplasms. Lejeune FJ. **Curr Opin Oncol** 1990 Apr;2(2):407–14 (34 ref.)

The medical necessity of evaluation and treatment of port-wine stains. Geronemus RG, et al. **J Dermatol Surg Oncol** 1991 Jan;17(1):76–9 (22 ref.)

Total-skin electron irradiation for cutaneous T-cell lymphoma: the Northern Israel Oncology Center experience. Kuten A, et al. **Strahlenther Onkol** 1991 Jul; 167(7):392–6 (25 ref.)

SECONDARY

Vulvar epithelioid sarcoma metastatic to the scalp. A case report and review of the literature. Weissmann D, et al. **Am J Dermatopathol** 1990 Oct;12(5):462–8 (35 ref.)

Late metastases of cutaneous melanoma: case report and literature review. Boi S, et al. **J Am Acad Dermatol** 1991 Feb;24(2 Pt 2):335–8 (27 ref.)

Cutaneous metastasis from papillary carcinoma of the thyroid gland. Elgart GW, et al. **J Am Acad Dermatol** 1991 Aug; 25(2 Pt 2):404–8 (22 ref.)

Cutaneous and subcutaneous neuroblastoma in children and adults: case reports and population study. Klapman MH, et al. **J Am Acad Dermatol** 1991 Jun;24(6 Pt 1):1025–7 (13 ref.)

An unusual cutaneous metastasis of a chondrosarcoma. Leal-Khouri SM, et al. **J Cutan Pathol** 1990 Oct; 17(5):274–7 (16 ref.)

Choriocarcinoma of the testis metastatic to the skin. Requena L, et al. **J Dermatol Surg Oncol** 1991 May;17(5):466–70 (17 ref.)

SURGERY

The current management of cutaneous melanoma. Ross MI, et al. **Adv Surg** 1991;24:139–200 (253 ref.)

Evolution of surgery for malignant melanoma. Roses DF. **Am J Dermatopathol** 1985;7 Suppl:193–5 (17 ref.)

Margins of of resection of malignant melanomas that are less than the hitherto conventional "wide and deep" margins are not advisable as yet. Veronesi U, et al. **Am J Dermatopathol** 1985;7 Suppl:123–6 (16 ref.)

Merkel cell tumour: clinical behaviour and treatment. Shaw JH, et al. **Br J Surg** 1991 Feb;78(2):138–42 (47 ref.)

Clinical management of port-wine stain in infants and young children using the flashlamp-pulsed dye laser. Nelson JS, et al. **Clin Pediatr (Phila)** 1990 Sep;29(9):503–8; discussion 509 (17 ref.)

Surgery and radiotherapy for melanoma and skin neoplasms. Lejeune FJ. **Curr Opin Oncol** 1990 Apr;2(2):407–14 (34 ref.)

Preoperative evaluation of the surgical patient. Leshin B, et al. **Dermatol Clin** 1990 Oct;8(4):787–94 (54 ref.)

Laser treatment of congenital vascular malformations. Landthaler M, et al. **Int Angiol** 1990 Jul–Sep;9(3):208–13 (43 ref.)

Cutaneous surgery and the pregnant patient. Gormley DE. **J Am Acad Dermatol** 1990 Aug;23(2 Pt 1):269–79 (130 ref.)

Comparison of methods for checking surgical margins. Rapini RP. **J Am Acad Dermatol** 1990 Aug;23(2 Pt 1):288–94 (28 ref.)

The management of congenital pigmented nevi. Everett MA. **J Okla State Med Assoc** 1991 May;84(5):213–8 (42 ref.)

Skin cancer: a review with consideration of treatment options including Mohs micrographic surgery. Lambert DR, et al. **Ohio Med** 1990 Oct;86(10):745–7 (7 ref.)

Mohs micrographic surgery. Hruza GJ. **Otolaryngol Clin North Am** 1990 Oct;23(5):845–64 (79 ref.)

Current status of the surgical treatment of melanoma. Jewell WR. **Surg Annu** 1991;23 Pt 1:57–72 (67 ref.)

[Should congenital melanocytic nevi be removed?] de Bliek JP, et al. **Ned Tijdschr Geneeskd** 1990 Oct 20; 134(42):2029–31 (15 ref.) **(Dut)**

[Therapy of penis cancer: border lines between organ preservation and radical surgery] Schilling A. **Hautarzt** 1990 Sep;41(9):473–5 (33 ref.) **(Ger)**

THERAPY

Laser treatment of benign cutaneous vascular lesions. Alster T, et al. **Am Fam Physician** 1991 Aug;44(2):547–54 (35 ref.)

Advanced basal and squamous cell carcinomas of the skin of the head and neck. Weber RS, et al. **Cancer Treat Res** 1990;52:61–81 (54 ref.)

Treatment of non-melanoma skin cancer: a review of recent trends with special reference to the Australian scene. Ashby MA, et al. **Clin Oncol (R Coll Radiol)** 1990 Sep;2(5):284–94 (60 ref.)

Melanomas and other skin neoplasms. Chemotherapy and new treatments. Rümke P. **Curr Opin Oncol** 1990 Apr; 2(2):397–406 (42 ref.)

Mycosis fungoides and the Sézary syndrome: pathology, staging, and treatment. Hoppe RT, et al. **Curr Probl Cancer** 1990 Nov–Dec;14(6):293–371 (163 ref.)

Systemic therapy of advanced metastatic malignant melanoma with a combination of fibroblast interferon-beta and recombinant interferon-gamma. Kowalzick L, et al. **Dermatologica** 1990;181(4):298–303 (36 ref.)

Disseminated malignant melanoma. New therapeutic approaches. Stadler R, et al. **Int J Dermatol** 1991 Apr; 30(4):239–42 (34 ref.)

The therapeutic role of interferons and monoclonal antibodies in cutaneous T-cell lymphomas. Bunn PA Jr, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):209S–212S (29 ref.)

Cutaneous T-cell lymphoma. McFadden ME. **Semin Oncol Nurs** 1991 Feb;7(1):36–44 (47 ref.)

[Merkel cell carcinoma: differential diagnosis and appropriate therapy] Atzinger A. **Rontgenpraxis** 1990 Sep;43(9):338–40 (14 ref.) **(Ger)**

[AIDS tumors] Hehlmann R, et al. **Verh Dtsch Ges Inn Med** 1990;96:534–9 (10 ref.) **(Ger)**

[A case of Stewart-Treves syndrome--treatment with recombinant interleukin 2 and a review of Japanese literature] Nabeya R, et al. **Nippon Hifuka Gakkai Zasshi** 1990 Sep;100(10):1029–39 (56 ref.) (Eng. Abstr.) **(Jpn)**

VETERINARY

Comparative aspects of cutaneous melanocytic neoplasms in the dog. Dunstan RW, et al. **Am J Dermatopathol** 1985;7 Suppl:197–201 (17 ref.)

Benign and malignant melanocytic neoplasms of domestic animals. Goldschmidt MH. **Am J Dermatopathol** 1985;7 Suppl:203–12 (36 ref.)

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the skin. Zackheim HS, et al. **IARC Sci Publ** 1990;(99):1–35 (47 ref.)

A user's guide to veterinary surgical pathology laboratories. Or, why do I still get a diagnosis of chronic dermatitis even when I take a perfect biopsy? Dunstan RW. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1397–417 (20 ref.)

[Papillomatosis of cattle and its relationship to equine sarcoid] Müller H. **Tierarztl Prax** 1991 Feb;19(1):39–43 (38 ref.) (Eng. Abstr.) **(Ger)**

SKIN PIGMENTATION

Crow-Fukase syndrome associated with extramedullary plasmacytoma. Shirabe S, et al. **Jpn J Med** 1991 Jan–Feb; 30(1):64–6 (11 ref.)

RADIATION EFFECTS

The effects of ultraviolet exposure on skin melanin pigmentation. Ortonne JP. **J Int Med Res** 1990;18 Suppl 3:8C–17C (59 ref.)

Photoprotection by melanin. Kollias N, et al. **J Photochem Photobiol B** 1991 May;9(2):135–60 (105 ref.)

SKIN TESTS

Fungal skin test antigens. Auger P. **Immunol Ser** 1989; 47:459–69 (27 ref.)

ADVERSE EFFECTS

Anaphylactic shock associated with chymopapain skin test. A case report and review of the literature. Pinkowski JL, et al. **Clin Orthop** 1990 Nov;(260):186–90 (23 ref.)

METHODS

Skin sensitization--a critical review of predictive test methods in animals and man. Botham PA, et al. **Food Chem Toxicol** 1991 Apr;29(4):275–86 (93 ref.)

The intracutaneous progressive dilution multi-food test. King WP, et al. **Otolaryngol Head Neck Surg** 1991 Feb; 104(2):235–8 (14 ref.)

STANDARDS

Standardization of allergenic extracts. Yunginger JW. **Ann Allergy** 1991 Feb;66(2):107–11 (27 ref.)

SKIN TRANSPLANTATION

see related

SURGICAL FLAPS

Septal dermoplasty for hereditary telangiectasia and other conditions. Saunders WH. **Otolaryngol Clin North Am** 1973 Oct;6(3):745–55 (7 ref.)

Cultured epidermal allografts--a temporary or permanent solution? Phillips TJ. **Transplantation** 1991 May; 51(5):937–41 (75 ref.)

ADVERSE EFFECTS

Complications of dermis-fat orbital implantation. Bosniak SL. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:170–81 (13 ref.)

IMMUNOLOGY

Studies in rodents on the use of polyclonal antilymphocyte serum and donor-specific bone marrow to induce specific unresponsiveness to skin allografts. Monaco AP. **Transplant Proc** 1991 Aug;23(4):2061–7 (38 ref.)

METHODS

Dermatofibrosarcoma protuberans of the toe. Kraemer BA, et al. **Ann Plast Surg** 1990 Oct;25(4):295–8 (45 ref.)

Modified nasolabial transposition flap provides vestibular lining and cover of alar defect with intact rim. Robinson JK, et al. **Arch Dermatol** 1990 Nov;126(11):1425–7 (14 ref.)

The lower trapezius island musculocutaneous flap revisited. Report of 45 cases and a unifying concept of the vascular supply. Urken ML, et al. **Arch Otolaryngol Head Neck Surg** 1991 May;117(5):502–11 (21 ref.)

The reconstruction of skin. How and why. Prunieras M. **Int J Dermatol** 1990 Oct;29(8):553–6 (13 ref.)

Synthetic membranes and cultured keratinocyte grafts. Limová M, et al. **J Am Acad Dermatol** 1990 Oct;23(4 Pt 1):713–9 (73 ref.)

Free tissue transfer of digital food pads for reconstruction of the distal limb in the dog. Basher AW, et al. **Microsurgery** 1991;12(2):118–24 (31 ref.)

Experimental and clinical free cutaneous transfers in the dog. Miller CC, et al. **Microsurgery** 1991;12(2):113–7 (11 ref.)

Axial pattern skin flaps in cats. Remedios AM, et al. **Microsurgery** 1991;12(2):125–9 (17 ref.)

Revascularization studies of an opposing eyelid pedicle flap. Silkiss RZ, et al. **Ophthal Plast Reconstr Surg** 1989; 5(2):110–7 (22 ref.)

Skin grafts. Branham GH, et al. **Otolaryngol Clin North Am** 1990 Oct;23(5):889–97 (10 ref.)

Conceptual approach to eyelid reconstruction. Custer PL. **Otolaryngol Clin North Am** 1990 Oct;23(5):991–1002 (7 ref.)

[Value of cultured keratinocytes in the treatment of leg ulcers] Cony M, et al. **Ann Dermatol Venereol** 1991; 118(2):139–43 (22 ref.) **(Fre)**

[Dermatoplasty using autologous transplants in postoperative ventral hernia] Nartsissov TV, et al. **Klin Khir** 1991;(3):65–7 (79 ref.) **(Rus)**

SKIN TUBERCULOSIS see **TUBERCULOSIS, CUTANEOUS**

SKIN ULCER

Ulceration and osteomyelitis. Mulder GD, et al. **Clin Podiatr Med Surg** 1990 Oct;7(4):733–42 (22 ref.)

COMPLICATIONS

Marjolin's ulcer: a review and reevaluation of a difficult problem. Fleming MD, et al. **J Burn Care Rehabil** 1990 Sep–Oct;11(5):460–9 (35 ref.)

DIAGNOSIS

[Ulcerating, anal lesions--sexually transmissible diseases] Geile D, et al. **Z Gastroenterol Verh** 1991 Mar;26:181–5 (0 ref.) **(Ger)**

ETIOLOGY

Foot ulceration and infections in elderly diabetics. Lipsky BA, et al. **Clin Geriatr Med** 1990 Nov;6(4):747–69 (100 ref.)

Lawrence lecture. The diabetic foot: neuropathic in aetiology? Boulton AJ. **Diabetic Med** 1990 Dec;7(10):852–8 (59 ref.)

The pathogenesis of skin damage in venous disease: a review. Cheatle TR, et al. **Eur J Vasc Surg** 1991 Apr;5(2):115–23 (75 ref.)

The diabetic foot. Soft tissue and bone infection. Lipsky BA, et al. **Infect Dis Clin North Am** 1990 Sep;4(3):409–32 (94 ref.)

Ulcerative lesions and herpes simplex virus type 2 in a patient with Evan's syndrome. Wilson DC, et al. **South Med J** 1990 Dec;83(12):1484–6 (18 ref.)

[The ulcerative form of skin sarcoidosis] Rodionov AN, et al. **Vestn Dermatol Venerol** 1990;(7):68–71 (14 ref.) (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Necrotic ulcer patch mimicking factitious panniculitis disclosing systemic lupus erythematosus] Blanc F, et al. **Ann Dermatol Venereol** 1990;117(11):836–8 (12 ref.) **(Fre)**

[Parastomal pyoderma gangrenosum. 3 new cases] Hill MP, et al. **Ann Dermatol Venereol** 1991;118(2):121–3 (10 ref.) **(Fre)**

PHYSIOPATHOLOGY

Clinical presentation and management of diabetic neuropathy and foot ulceration. Boulton AJ. **Diabetic Med** 1991;8 Spec No:S52–7 (30 ref.)

SURGERY

Foot reconstruction in diabetes mellitus and peripheral vascular insufficiency. Searles JM Jr, et al. **Clin Plast Surg** 1991 Jul;18(3):467–83 (115 ref.)

THERAPY

The latest theories and treatment for diabetic foot complications. Joseph R, et al. **Clin Podiatr Med Surg** 1991

Apr;8(2):249-72 (57 ref.)

SKIN WRINKLING see **SKIN AGING**

SKINFOLD THICKNESS

[Methods for the assessment of human body composition: skinfold thickness and bioelectrical impedance measurements] Komiya S. **Ann Physiol Anthropol** 1991 Jan; 10(1):3-17 (64 ref.) (Eng. Abstr.) **(Jpn)**

[Relationship between sexual maturation and subcutaneous fat] García Llop LA, et al. **An Esp Pediatr** 1990 Oct; 33(4):349-53 (33 ref.) (Eng. Abstr.) **(Spa)**

SKULL

see related
INTRACRANIAL PRESSURE

Salmonella osteomyelitis of the skull base. Senegor M, et al. **Surg Neurol** 1991 Jul;36(1):37-9 (14 ref.)

[Hydatidosis of the cranial vault. Two case reports] Benmoussa H, et al. **Neurochirurgie** 1990;36(3):191-3 (7 ref.) (Eng. Abstr.) **(Fre)**

ABNORMALITIES

Syndromes associated with simple calvarial and complex craniofacial anomalies. Iannetti P, et al. **Childs Nerv Syst** 1991 Apr;7(2):72-8 (27 ref.)

The cerebro-reno-digital syndromes: a new community. Lurie IW, et al. **Clin Genet** 1991 Feb;39(2):104-13 (34 ref.)

The craniofacial anatomy of Apert syndrome. Marsh JL, et al. **Clin Plast Surg** 1991 Apr;18(2):237-49 (20 ref.)

Cerebral midline developmental anomalies: spectrum and associated features. Delezoide AL, et al. **Genet Couns** 1990; 1(3-4):197-210 (22 ref.)

Mosaic 46, XY/47,XY, + der(18)t(Y;18)(q11.22;q11.2) karyotype, moderate mental retardation and non-specific dysmorphism. Fryns JP, et al. **Genet Couns** 1990;1(2):173-7 (10 ref.)

Craniodiaphyseal dysplasia. Brueton LA, et al. **J Med Genet** 1990 Nov;27(11):701-6 (21 ref.)

Interstitial deletion of the long arm of chromosome 18, del(18)(q12.2q21.1): a report of three cases of an autosomal deletion with a mild phenotype. Schinzel A, et al. **J Med Genet** 1991 May;28(5):352-5 (4 ref.)

Radiographic manifestations of congenital anomalies of the skull. Kaplan SB, et al. **Radiol Clin North Am** 1991 Mar; 29(2):195-218 (145 ref.)

Congenital craniofacial anomalies of ophthalmic importance. Fries PD, et al. **Surv Ophthalmol** 1990 Sep-Oct; 35(2):87-119 (154 ref.)

[Review of cranio-maxillo-facial malformations characterized by abnormal bone density] Reychler H. **Ann Chir Plast Esthet** 1990;35(5):421-31 (84 ref.) (Eng. Abstr.) **(Fre)**

[The role of occlusion and articulation in craniomandibular dysfunction] De Laat A. **Rev Belge Med Dent** 1990; 45(4):20-9 (47 ref.) (Eng. Abstr.) **(Fre)**

[Ultrasound, computed tomography and magnetic resonance tomography in a child with macrocephaly and glutaric aciduria type I] Doringer E, et al. **ROFO** 1990 Dec; 153(6):683-7 (22 ref.) (Eng. Abstr.) **(Ger)**

[Dolicocephaly and premature synostosis of the sagittal suture] Fehlow P. **Zentralbl Neurochir** 1990;51(3):147-52 (57 ref.) (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

A methodology for near-optimal computational superimposition of two-dimensional digital facial photographs and three-dimensional cranial surface meshes. Nickerson BA, et al. **J Forensic Sci** 1991 Mar;36(2):480-500 (39 ref.)

BLOOD SUPPLY

Meningeal blood supply of the convexity. Merland JJ, et al. **J Neuroradiol** 1977 Jun;4(2):129-74 (28 ref.) **(Eng, Fre)**

Normal and pathological blood supply of the cranial vault. Merland JJ, et al. **J Neuroradiol** 1977 Jun;4(2):95-127 (12 ref.) **(Eng, Fre)**

EMBRYOLOGY

Dr. Beverly R. Rollnick memorial lecture. Normal and abnormal craniofacial embryogenesis. Sulik KK. **Birth Defects** 1990;26(3):1-18 (33 ref.)

Ultrasound imaging of the cranium and spine. Medearis AL, et al. **Clin Perinatol** 1990 Sep;17(3):597-609 (9 ref.)

INJURIES

Pathogenesis and biomechanics of traumatic intracranial haemorrhages. Crooks DA. **Virchows Arch A Pathol Anat Histopathol** 1991; 418(6):479-83 (29 ref.)

PATHOLOGY

Vertical skeletal change associated with Andresen, Harvold, and Begg treatment. Ball JV, et al. **Eur J Orthod** 1991 Feb;13(1):47-52 (26 ref.)

CT and MR imaging of the central skull base. Part 2. Pathologic spectrum. Laine FJ, et al. **Radiographics** 1990 Sep;10(5):797-821 (29 ref.)

RADIOGRAPHY

Cranio-facial melorheostosis: case report and review of the literature. Williams JW, et al. **Br J Radiol** 1991 Jan; 64(757):60-2 (11 ref.)

Normal and pathological blood supply of the cranial vault. Merland JJ, et al. **J Neuroradiol** 1977 Jun;4(2):95-127 (12 ref.) **(Eng, Fre)**

[Consensus conference on anesthesia recovery and emergency medicine. 6th conference. Emergency thoracic and skull radiographies (Tours, May 4, 1990)] **Ann Fr Anesth Reanim** 1990;9(6):573-5 (0 ref.) **(Fre)**

[6th consensus conference on intensive care and emergency medicine. Thoracic radiographies and skull radiographies in emergencies] **J Radiol** 1990 Dec;71(12):691-3 (0 ref.) **(Fre)**

SURGERY

Cranial base surgery for malignant tumors. Janecka IP. **Clin Neurosurg** 1991;37:502-13 (29 ref.)

Management of anterior skull base tumors. Spetzler RF, et al. **Clin Neurosurg** 1991;37:490-501 (23 ref.)

The use of bone grafts and alloplastic materials in craniоplasty. Prolo DJ, et al. **Clin Orthop** 1991 Jul; (268):270-8 (41 ref.)

Surgical correction of the craniofacial dysmorphology of Apert syndrome. Marsh JL, et al. **Clin Plast Surg** 1991 Apr;18(2):251-75 (100 ref.)

Surgical correction of the craniofacial anomalies in Apert syndrome. Mulliken JB, et al. **Clin Plast Surg** 1991 Apr; 18(2):277-89 (46 ref.)

Tailoring the cranio-orbital approach. al-Mefty O, et al. **Kelo J Med** 1990 Dec;39(4):217-24 (10 ref.)

SKULL FRACTURES

COMPLICATIONS

Traumatic anterior fossa cerebrospinal fluid fistulae and craniofacial considerations. Marentette LJ, et al. **Otolaryngol Clin North Am** 1991 Feb;24(1):151-63 (34 ref.)

Do prophylactic antibiotics prevent meningitis after basilar skull fracture? Rathore MH. **Pediatr Infect Dis J** 1991 Feb; 10(2):87-8 (12 ref.)

[Post-traumatic infections of the frontal sinus] Le Clech G, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(2):103-5 (11 ref.) (Eng. Abstr.) **(Fre)**

[Sphenoid fissure syndrome in orbital fractures. Case presentation and literature review] Menard P, et al. **Rev Stomatol Chir Maxillofac** 1991;92(3):193-8 (30 ref.) (Eng. Abstr.) **(Fre)**

CONGENITAL

Intrauterine depressed skull fracture. A report of two cases [see comments] Nakahara T, et al. **Pediatr Neurosci** 1989; 15(3):121-4 (14 ref.) Comment in: Pediatr Neurosci 1989;15(6):317.

PATHOLOGY

[A case of incarceration of the vertebral and basilar arteries in a longitudinal fracture of the clivus] Sato H, et al. **No Shinkei Geka** 1990 Dec;18(12):1147-50 (16 ref.) (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Trauma of the ear. Potter GD. **Otolaryngol Clin North Am** 1973 Jun;6(2):401-12 (4 ref.)

Fractures of the paranasal sinuses. Zizmor J, et al. **Otolaryngol Clin North Am** 1973 Jun;6(2):473-85 (9 ref.)

[Radiology of craniofacial trauma] Sodano A, et al. **Radiol Med (Torino)** 1991 Jun;81(6):861-72 (21 ref.) **(Ita)**

SURGERY

Management of complicated fractures involving the orbits and nasoethmoid complex in young children. Crockett DM, et al. **Otolaryngol Clin North Am** 1991 Feb;24(1):119-37 (22 ref.)

Management of middle third facial fractures. Duckert LG. **Otolaryngol Clin North Am** 1991 Feb;24(1):103-18 (3 ref.)

Management of nasal fractures. Renner GJ. **Otolaryngol Clin North Am** 1991 Feb;24(1):195-213 (15 ref.)

Management of severe frontobasilar skull fractures. Stanley RB Jr. **Otolaryngol Clin North Am** 1991 Feb;24(1):139-50 (11 ref.)

Management of panfacial fractures. Wenig BL. **Otolaryngol Clin North Am** 1991 Feb;24(1):93-101 (24 ref.)

SKULL NEOPLASMS

Osteoma of the mastoid bone. Probst LE, et al. **J Otolaryngol** 1991 Jun;20(3):228-30 (18 ref.)

Clivus chordoma in a 9-year-old child: case report and review of the literature. Fink FM, et al. **Pediatr Hematol Oncol** 1987;4(2):91-100 (52 ref.)

[Aneurysmal temporal bone cyst. Apropos of 2 new cases] Pellet W, et al. **Neurochirurgie** 1991;37(3):160-72 (39 ref.) (Eng. Abstr.) **(Fre)**

[Radiation-induced sarcoma, apropos of a case with cervical and intrapetrous development] Darrouzet V, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(3):247-50 (14 ref.) (Eng. Abstr.) **(Fre)**

[Recklinghausen's disease] Landat F, et al. **Rev Stomatol Chir Maxillofac** 1991;92(1):51-7 (13 ref.) (Eng. Abstr.) **(Fre)**

[Osteoma of the mastoid] Morais Pérez D, et al. **Acta Otorrinolaringol Esp** 1990 Sep-Oct;41(5):343-6 (19 ref.) (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Normal and pathological blood supply of the cranial vault. Merland JJ, et al. **J Neuroradiol** 1977 Jun;4(2):95-127 (12 ref.) **(Eng, Fre)**

CONGENITAL

[Congenital cholesteatoma of the petrous bone. Etiopathogenic discussions apropos of 11 cases] Cannoni M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1989;110(1):33-42 (30 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

MR findings in extracerebral cavernous angiomas of the middle cranial fossa: report of two cases and review of the literature. Momoshima S, et al. **AJNR Am J Neuroradiol** 1991 Jul-Aug;12(4):756-60 (45 ref.)

CT and MR imaging of the central skull base. Part 2. Pathologic spectrum. Laine FJ, et al. **Radiographics** 1990 Sep;10(5):797-821 (29 ref.)

[Solitary plasmacytoma simulating pituitary adenoma] Jacquet G, et al. **Neurochirurgie** 1991;37(1):67-71 (19 ref.) (Eng. Abstr.) **(Fre)**

[A case of giant osteoma in the occipital bone] Nishitani K, et al. **No Shinkei Geka** 1990 Oct;18(10):947-52 (16 ref.) (Eng. Abstr.) **(Jpn)**

ETIOLOGY

[Unilateral (7 cases), bilateral (1 case) cerebral xanthomatosis: involvement of the temporal bone alone?] Defauchy M. **Bull Soc Ophtalmol Fr** 1990 Aug-Sep;90(8-9):837-41 (7 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

[Gardner's syndrome. Review of the literature. Report of a familial form] Camuzard JF, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(7):509-13 (39 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Malignant transformation of an osteoblastoma of the skull: an exceptional occurrence. Case report. Figarella-Branger D, et al. **J Neurosurg** 1991 Jul;75(1):138-42 (20 ref.)

Hemangioma of the frontal bone: review of the literature and report of a case. Faerber TH, et al. **J Oral Maxillofac Surg** 1991 Sep;49(9):1018-22 (22 ref.)

Cavernous hemangioma of the internal auditory meatus. Madden GJ, et al. **J Otolaryngol** 1990 Aug;19(4):288-91 (8 ref.)

[Infratemporal extension of tumors of the skull base] Sterkers O, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(2):83-6 (16 ref.) (Eng. Abstr.) **(Fre)**

[Giant cell tumor of the sphenoid bone: presentation of a case and review of the literature] Martínez Martínez J, et al. **Arch Neurobiol (Madr)** 1990 Jul-Aug;53(4):157-61 (35 ref.) (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Cysts, benign tumors, and malignant tumors of the paranasal sinuses. Zizmor J, et al. **Otolaryngol Clin North Am** 1973 Jun;6(2):487-508 (7 ref.)

Rare primary cranial vault and base of the skull tumors in children. Report of 30 cases with a short literature review. Kozlowski K, et al. **Radiol Med (Torino)** 1991 Mar; 81(3):213-24 (34 ref.)

RADIOTHERAPY

Temporal bone chemodectomas--comparing surgery and radiation therapy. Springate SC, et al. **Oncology (Williston Park)** 1991 Apr;5(4):131-7; discussion 140, 143 (34 ref.)

SECONDARY

Metastatic vaginal carcinoma to the temporal bone. Corey JP, et al. **Am J Otol** 1991 Mar;12(2):128-31 (20 ref.)

SURGERY

Craniofacial resection for tumors of the ethmoid and superior nasal vault. Levine PA. **Cancer Treat Res** 1990;52:47-53 (25 ref.)

Sellar and parasellar lesions. Chandler WF. **Clin Neurosurg** 1991;37:514-27 (21 ref.)

Cranial base surgery for malignant tumors. Janecka IP. **Clin Neurosurg** 1991;37:502-13 (29 ref.)

Management of anterior skull base tumors. Spetzler RF, et al. **Clin Neurosurg** 1991;37:490-501 (23 ref.)

Benign osteoblastoma of the sphenoid bone. Ciappetta P, et al. **Neurochirurgia (Stuttg)** 1991 May;34(3):97-100 (34 ref.)

Posterior fossa ependymomas: report of 30 cases and review of the literature. Lyons MK, et al. **Neurosurgery** 1991 May;

28(5):659–64; discussion 664–5 (53 ref.)
Temporal bone chemodectomas—comparing surgery and radiation therapy. Springate SC, et al. **Oncology (Williston Park)** 1991 Apr;5(4):131–7; discussion 140, 143 (34 ref.)
[Ossifying fibroma of the cranial vault. Case report] Shose Y, et al. **Neurol Med Chir (Tokyo)** 1990;30(11 Spec No):879–83 (27 ref.) (Eng. Abstr.) **(Jpn)**

SLEEP

A model for narcolepsy. Mamelak M. **Can J Psychol** 1991 Jun;45(2):194–220 (189 ref.)
Molecular mechanisms of sleep–wake regulation: roles of prostaglandins D2 and E2. Hayaishi O. **FASEB J** 1991 Aug; 5(11):2575–81 (53 ref.)
Disorders of movement and behaviour during sleep. Ambrogetti A, et al. **Med J Aust** 1991 Sep 2;155(5):336–40 (27 ref.)
[Respiratory pathology during sleep in children] Gaultier C, et al. **Rev Mal Respir** 1990;7(5):475–81 (44 ref.) **(Fre)**
[Hypoxemia of chronic obstructive bronchopneumopathy and sleep] Meslier N, et al. **Rev Mal Respir** 1990;7(5):483–8 (47 ref.) **(Fre)**

DRUG EFFECTS

Is interleukin 2 a neuromodulator in the brain? Nisticò G, et al. **Trends Neurosci** 1991 Apr;14(4):146–50 (56 ref.)

PHYSIOLOGY

Serotonin and sleep–wakefulness. Wauquier A, et al. **Ann N Y Acad Sci** 1990;600:447–58; discussion 458–9 (95 ref.)
Simulation study on dynamics transition in neuronal activity during sleep cycle by using asynchronous and symmetry neural network model. Nakao M, et al. **Biol Cybern** 1990; 63(4):243–50 (38 ref.)
Why asthmatic patients should not sleep in the right lateral decubitus position. Backon J, et al. **Br J Clin Pract** 1990 Nov;44(11):448–9 (30 ref.)
Eye movements during sleep. Neetens A, et al. **Bull Soc Belge Ophtalmol** 1989;237:227–44 (67 ref.)
Muscle pain, dyskinesia, and sleep. Lavigne GJ, et al. **Can J Physiol Pharmacol** 1991 May;69(5):678–82 (49 ref.)
Field studies of sleep/wake patterns and performance: a laboratory experience. Broughton RJ. **Can J Psychol** 1991 Jun;45(2):240–53 (52 ref.)
Sleep in Alzheimer's disease and other dementing disorders. Vitiello MV, et al. **Can J Psychol** 1991 Jun;45(2):221–39 (88 ref.)
Autonomic nervous system and coronary blood flow changes related to emotional activation and sleep. Verrier RL, et al. **Circulation** 1991 Apr;83(4 Suppl):II81–9 (56 ref.)
Sleep as a host defense: its regulation by microbial products and cytokines. Krueger JM, et al. **Clin Immunol Immunopathol** 1990 Nov;57(2):188–99 (99 ref.)
Non-invasive cardiorespiratory monitoring during sleep. Sackner MA. **Eur Respir J Suppl** 1990 Oct;11:545s–546s (14 ref.)
Role of biological membranes in slow-wave sleep. Karnovsky ML. **J Bioenerg Biomembr** 1991 Feb; 23(1):123–32 (61 ref.)
Pathophysiology of upper airway closure during sleep. Kuna ST, et al. **JAMA** 1991 Sep 11;266(10):1384–9 (75 ref.)
Are frequent spike-waves during non-REM sleep in relation with an acquired neuro-psychological deficit in epileptic children? Billard C, et al. **Neurophysiol Clin** 1990 Dec; 20(6):439–53 (17 ref.)
Keeping cool: a hypothesis about the mechanisms and functions of slow-wave sleep. McGinty D, et al. **Trends Neurosci** 1990 Dec;13(12):480–7 (58 ref.)
Somnogenic activity of immune response modifiers. Krueger JM. **Trends Pharmacol Sci** 1990 Mar;11(3):122–6 (34 ref.)
[Cardiovascular disorders during sleep] Messner-Pellenc P. **Presse Med** 1990 Nov 28;19(40):1851–6 (20 ref.) (Eng. Abstr.) **(Fre)**
[Pulmonary artery hypertension and nocturnal hypoxemia in chronic obstructive bronchopneumopathy] Apprill M, et al. **Rev Mal Respir** 1991;8(1):13–27 (97 ref.) (Eng. Abstr.) **(Fre)**
[The physiology and pathology of sleep] Billiard M. **Rev Mal Respir** 1990;7(5):381–9 (34 ref.) **(Fre)**
[Polygraphic registration during sleep] Krieger J. **Rev Mal Respir** 1990;7(5):411–8 (14 ref.) **(Fre)**
[The upper airway and respiratory disorders during sleep] Launois S, et al. **Rev Mal Respir** 1990;7(5):391–402 (97 ref.) **(Fre)**

SLEEP APNEA SYNDROMES

Clinical features and treatment of obstructive sleep apnea. Kimoff RJ, et al. **Can Med Assoc J** 1991 Mar 15; 144(6):689–95 (82 ref.)
[Snoring] Sun J, et al. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1988;23(5):304–6 (21 ref.) **(Chi)**

COMPLICATIONS

Sleep apnea and systemic hypertension: a causal association review. Hoffstein V, et al. **Am J Med** 1991 Aug;91(2):190–6 (31 ref.)
Sleep disordered breathing and pulmonary hypertension. Weitzenblum E, et al. **Eur Respir J Suppl** 1990 Oct; 11:523s–526s (21 ref.)
[Role of sleep apnea in essential arterial hypertension] Krieger J, et al. **Presse Med** 1990 Nov 24;19(39):1805–9 (30 ref.) (Eng. Abstr.) **(Fre)**
[Cardiovascular disorders during sleep] Messner-Pellenc P. **Presse Med** 1990 Nov 28;19(40):1851–6 (20 ref.) (Eng. Abstr.) **(Fre)**
[From sleep apnea syndrome to chronic respiratory insufficiency and right cardiac effects] Weitzenblum E, et al. **Rev Mal Respir** 1990;7(5):433–40 (37 ref.) **(Fre)**
[Sleep-related respiratory disorders and coronary heart disease] Koehler U, et al. **Pneumologie** 1991 May;45 Suppl 1:253–8 (20 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Diagnosis of obstructive sleep apnea. Bonekat HW, et al. **Clin Rev Allergy** 1990 Summer-Fall;8(2–3):197–213 (43 ref.)
Non-invasive cardiorespiratory monitoring during sleep. Sackner MA. **Eur Respir J Suppl** 1990 Oct;11:545s–546s (14 ref.)
[Diagnosis of sleep apnea syndrome] Peter JH, et al. **Rev Mal Respir** 1990;7(5):419–24 (25 ref.) **(Fre)**

DRUG THERAPY

[The medical treatment of sleep apnea syndrome] Lorimier P, et al. **Rev Mal Respir** 1990;7(5):467–74 (82 ref.) **(Fre)**
[Drug therapy of sleep-related respiration disorders] Kaufmann U, et al. **Pneumologie** 1991 May;45 Suppl 1:276–8 (18 ref.) **(Ger)**

EPIDEMIOLOGY

[The epidemiology of sleep apnea syndrome in adults] Durieux P, et al. **Rev Mal Respir** 1990;7(5):441–9 (56 ref.) **(Fre)**

ETIOLOGY

Pharyngoplasty surgery and obstructive sleep apnoea. Ruddy J, et al. **J Laryngol Otol** 1991 Mar;105(3):195–7 (10 ref.)
[German Society of Pneumology Study Group: Nocturnal disorders of respiratory and cardiovascular regulation. Recommendations for diagnosis and therapy of nocturnal disorders of respiratory and cardiovascular regulation] Fischer J. **Pneumologie** 1991 Feb;45(2):45–8 (27 ref.) **(Ger)**
[Infantile apnea. The etiopathogenetic aspects. The clinico-evolutionary forms. II.] Tărdea A. **Rev Pediatr Obstet Ginecol [Pediatr]** 1990 Jan–Mar; 39(1):51–62 (0 ref.) (Eng. Abstr.) **(Rum)**

PATHOLOGY

Cephalometric analysis of the obstructive sleep apnea syndrome. Rintala A, et al. **Proc Finn Dent Soc** 1991; 87(1):177–82 (17 ref.)

PHYSIOPATHOLOGY

Causes and consequences of blood pressure alterations in obstructive sleep apnea. Levinson PD, et al. **Arch Intern Med** 1991 Mar;151(3):455–62 (126 ref.)
Pathophysiology of upper airway closure during sleep. Kuna ST, et al. **JAMA** 1991 Sep 11;266(10):1384–9 (75 ref.)
Simulated long-term driving performance before and after uvulopalatopharyngoplasty. Haraldsson PO, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(2):106–10 (27 ref.)
Disturbances in volume regulating hormone system—a key to the pathogenesis of hypertension in obstructive sleep apnea syndrome? Ehlenz K, et al. **Pneumologie** 1991 May; 45 Suppl 1:239–45 (37 ref.)
[Snoring and sleep apnea syndrome in the elderly] Dejean Y, et al. **Rev Laryngol Otol Rhinol (Bord)** 1989;110(1):69–73 (21 ref.) (Eng. Abstr.) **(Fre)**
[Respiratory pathology during sleep in children] Gaultier C, et al. **Rev Mal Respir** 1990;7(5):475–81 (44 ref.) **(Fre)**
[From snoring to sleep apnea syndrome] Orcel B, et al. **Rev Mal Respir** 1990;7(5):425–32 (78 ref.) **(Fre)**
[Sleep apnea syndrome: a new diagnostic entity?] Leuenberger P. **Rev Med Suisse Romande** 1990 Aug; 110(8):681–5 (11 ref.) **(Fre)**
[Respiratory and cardiovascular physiology of sleep as the basis for understanding sleep-related disorders of respiration] Rasche K, et al. **Med Klin** 1991 Jan 15; 86(1):42–5 (18 ref.) **(Ger)**
[Sleep apnea] Rasche K, et al. **Verh Dtsch Ges Inn Med** 1990; 96:731–7 (14 ref.) **(Ger)**

SURGERY

[Obstructive sleep apnea treated with uvulo-palato-pharyngoplasty] Ovesen JO, et al. **Ugeskr Laeger** 1991 Mar 11;153(11):772–5 (27 ref.) (Eng. Abstr.) **(Dan)**
[Surgical treatment of sleep apnea syndrome] Chabolle F, et al. **Rev Mal Respir** 1990;7(5):451–8 (43 ref.) **(Fre)**
[Snoring and sleep-related respiratory disorders in children—clinical aspects, differential diagnoses and indications for adenotonsillectomy] Mayer-Brix J, et al. **Arch Otorhinolaryngol Suppl** 1991;1:79–114 (227 ref.) **(Ger)**

THERAPY

Role of nocturnal oxygen therapy in obstructive sleep apnea. When should it be used? Fletcher EC, et al. **Chest** 1990 Dec;98(6):1497–504 (19 ref.)
[Instrument treatment of sleep apnea syndrome] Rodenstein DO, et al. **Rev Mal Respir** 1990;7(5):459–65 (50 ref.) **(Fre)**
[Recommendations for diagnosis, therapy and long-term management of patients with sleep apnea (see comments)] Peter JH, et al. **Med Klin** 1991 Jan 15;86(1):46–50 (25 ref.) Comment in: Med Klin 1991 Jan 15;86(1):51–2. **(Ger)**

SLEEP DEPRIVATION

Monotonic and rhythmic influences: a challenge for sleep deprivation research. Babkoff H, et al. **Psychol Bull** 1991 May;109(3):411–28 (150 ref.)

PHYSIOLOGY

Sleep deprivation therapy. Kuhs H, et al. **Biol Psychiatry** 1991 Jun 1;29(11):1129–48 (140 ref.)

SLEEP DISORDERS

Disorders of movement and behaviour during sleep. Ambrogetti A, et al. **Med J Aust** 1991 Sep 2;155(5):336–40 (27 ref.)

CLASSIFICATION

Confusions concerning sleep disorders and the epilepsies in children and adolescents. Stores G. **Br J Psychiatry** 1991 Jan;158:1–7 (42 ref.)

DIAGNOSIS

Sleep disturbance in depression reconsidered. Southmayd SE, et al. **Can J Psychiatry** 1991 Jun;36(5):366–73 (49 ref.)

EPIDEMIOLOGY

National Institutes of Health Consensus Development Conference Statement: the treatment of sleep disorders of older people March 26–28, 1990. **Sleep** 1991 Apr; 14(2):169–77 (0 ref.)

PHYSIOPATHOLOGY

Psychophysiological aspects of nightmares, night terrors, and sleepwalking. Murray JB. **J Gen Psychol** 1991 Apr; 118(2):113–27 (90 ref.)
[The physiology and pathology of sleep] Billiard M. **Rev Mal Respir** 1990;7(5):381–9 (34 ref.) **(Fre)**
[Significance of EEG findings in pavor nocturnus] Fehlow P. **Kinderarztl Prax** 1990 Nov;58(11):561–5 (21 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Consensus conference. The treatment of sleep disorders of older people. National Institutes of Health. **Conn Med** 1990 Sep;54(9):512–8 (0 ref.)
The treatment of sleep disorders of older people. **Consens Statement** 1990 Mar 26–28;8(3):1–22 (0 ref.)
Research in sleep medicine. Nahmias J, et al. **N J Med** 1990 Nov;87(11 Spec No):907–10 (18 ref.)
Psychiatric management of sleep disorders. Lilie JK, et al. **Psychiatr Med** 1991;9(2):245–60 (62 ref.)

SLEEP, REM

PHYSIOLOGY

Paradoxical sleep and its chemical/structural substrates in the brain. Jones BE. **Neuroscience** 1991;40(3):637–56 (134 ref.)
Acetylcholine and acetylcholine receptor subtypes in REM sleep generation. Velazquez-Moctezuma J, et al. **Prog Brain Res** 1990;84:407–13 (69 ref.)
[Paradoxical sleep: is it the guardian of psychological individualism] Jouvet M. **Can J Psychol** 1991 Jun; 45(2):148–68 (88 ref.) (Eng. Abstr.) **(Fre)**

SLEEP STAGES

DRUG EFFECTS

Hypnotics and sleep physiology: a consensus report. European Sleep Research Society, Committee on Hypnotics and Sleep Physiology. Borbély AA, et al. **Eur Arch Psychiatry Clin Neurosci** 1991;241(1):13–21 (100 ref.)
Sleep, performance, and plasma levels in chronic insomniacs during 14-day use of flurazepam and midazolam: an introduction. Johnson LC, et al. **J Clin Psychopharmacol** 1990 Aug;10(4 Suppl):5S–9S (38 ref.)

PHYSIOLOGY

Computer analyses of EEG-sleep in the neonate: methodological considerations. Scher MS, et al. **J Clin Neurophysiol** 1990 Jul;7(3):417–41 (58 ref.)
Psychophysiological aspects of nightmares, night terrors, and sleepwalking. Murray JB. **J Gen Psychol** 1991 Apr;

118(2):113–27 (90 ref.)
Pavlovian theory of dreaming. Cautela JR, et al. **Pavlov J Biol Sci** 1974 Apr–Jun;9(2):104–21 (75 ref.)
Dreaming: cognitive processes during cortical activation and high afferent thresholds. Antrobus J. **Psychol Rev** 1991 Jan; 98(1):96–121 (95 ref.)
Sleep in old age: focus on gender differences. Rediehs MH, et al. **Sleep** 1990 Oct;13(5):410–24 (56 ref.)
Sick building syndrome. Lyles WB, et al. **South Med J** 1991 Jan;84(1):65–71, 76 (41 ref.)
[Respiratory and cardiovascular physiology of sleep as the basis for understanding sleep-related disorders of respiration] Rasche K, et al. **Med Klin** 1991 Jan 15; 86(1):42–5 (18 ref.) **(Ger)**
[German Society of Pneumology Study Group: Nocturnal disorders of respiratory and cardiovascular regulation. Recommendations for diagnosis and therapy of nocturnal disorders of respiratory and cardiovascular regulation] Fischer J. **Pneumologie** 1991 Feb;45(2):45–8 (27 ref.) **(Ger)**
[Sleep and epilepsy] Zeitlhofer J, et al. **Wien Klin Wochenschr** 1991;103(7):191–6 (50 ref.) (Eng. Abstr.) **(Ger)**

SLEEP TERROR DISORDER see **SLEEP DISORDERS**

SLIME BACTERIA see **MYXOBACTERALES**

SLIME MOLDS see **MYXOMYCOTA**

SLIPPED DISK see **INTERVERTEBRAL DISK DISPLACEMENT**

SLOTTED ATTACHMENT, DENTAL see **DENTURE, PRECISION ATTACHMENT**

SLOW ALPHA 2-MACROGLOBULINS see **ALPHA MACROGLOBULINS**

SLOW REACTING SUBSTANCE OF ANAPHYLAXIS see **SRS-A**

SLOW-REACTING SUBSTANCES

see related
NEUROREGULATORS

PHYSIOLOGY

Mediation of glomerular injury. Interactions between glomerular autacoids. Ardaillou R, et al. **Semin Nephrol** 1991 May;11(3):340–5 (36 ref.)

SLOW VIRUS DISEASES

COMPLICATIONS

[The role of viral agents in the induction of atherosclerosis from the point of view of the etiopathogenetic aspects of slow infections and the association of atherosclerosis with viruses] Votiakov VI, et al. **Vestn Akad Med Nauk SSSR** 1991;(5):59–64 (59 ref.) **(Rus)**

ETIOLOGY

[Current developments in the problem of prions and prion diseases] Israil A. **Rev Ig [Bacteriol]** 1990 Jan–Mar; 35(1):17–40 (86 ref.) (Eng. Abstr.) **(Rum)**

GENETICS

Genetics of response to slow virus (prion) infection. Kingsbury DT. **Annu Rev Genet** 1990;24:115–32 (67 ref.)
The new biology of spongiform encephalopathy: infectious amyloidoses with a genetic twist. Brown P, et al. **Lancet** 1991 Apr 27;337(8748):1019–22 (52 ref.)

MICROBIOLOGY

The scrapie agent and the prion hypothesis. Brunori M, et al. **Trends Biochem Sci** 1988 Aug;13(8):309–13 (54 ref.)

PREVENTION & CONTROL

Inactivation of the unconventional agents of scrapie, bovine spongiform encephalopathy and Creutzfeldt–Jakob disease. Taylor DM. **J Hosp Infect** 1991 Jun;18 Suppl A:141–6 (51 ref.)

TRANSMISSION

Bovine spongiform encephalopathy [see comments] Collee JG. **Lancet** 1990 Nov 24;336(8726):1300–3 (29 ref.) Comment in: Lancet 1991 Jan 19;337(8734):173–4.
A 'unified theory' of prion propagation. Weissmann C. **Nature** 1991 Aug 22;352(6337):679–83 (149 ref.)

VETERINARY

Bovine spongiform encephalopathy. Matthews D. **J R Soc Health** 1991 Feb;111(1):3–5 (7 ref.)
[Bovine spongiform encephalopathy: a new entity caused by a non-conventional transmissible agent] Parodi AL, et al. **Bull Acad Natl Med** 1990 Jun–Jul;174(6):731–9; discussion 740–1 (31 ref.) (Eng. Abstr.) **(Fre)**
[Bovine spongiform encephalopathy (BSE): state of knowledge and precautions] Stöber M. **DTW Dtsch Tierarztl Wochenschr** 1990 Dec;97(12):540–4 (67 ref.) (Eng. Abstr.) **(Ger)**
[BSE, bovine spongiform encephalopathy] Truyen U, et al. **Tierarztl Prax** 1990 Oct;18(5):463–8 (23 ref.) (Eng. Abstr.) **(Ger)**

SMALL CELL LUNG CANCER see **CARCINOMA, OAT CELL**

SMALL NUCLEAR RNA see **RNA, SMALL NUCLEAR**

SMELL

see related
ANOSMIA
ODORS

The sensory physiology of host-seeking behavior in mosquitoes. Bowen MF. **Annu Rev Entomol** 1991;36:139–58 (96 ref.)
Complex sensor systems: odour detection by the sense of smell and by electronic noses. Dodd G, et al. **Biochem Soc Trans** 1991 Feb;19(1):36–9 (16 ref.)
Olfaction in fish. Hara TJ. **Prog Neurobiol** 1975;5(4):271–335 (315 ref.)
Odor memory: taking stock. Schab FR. **Psychol Bull** 1991 Mar;109(2):242–51 (85 ref.)

PHYSIOLOGY

Molecular reaction cascades in olfactory signal transduction. Breer H. **J Steroid Biochem Mol Biol** 1991 Oct; 39(4B):621–5 (24 ref.)
A kinetic model of the odor response in single olfactory receptor neurons. Firestein S, et al. **J Steroid Biochem Mol Biol** 1991 Oct;39(4B):615–20 (21 ref.)
Central processing of olfaction. Scott JW. **J Steroid Biochem Mol Biol** 1991 Oct;39(4B):593–600 (40 ref.)
Molecular mechanisms of reception and transduction in olfaction and taste. Kurihara K. **Jpn J Physiol** 1990; 40(3):305–24 (89 ref.)
Current concepts in olfaction. Loury MC. **Md Med J** 1990 Oct;39(10):921–6 (43 ref.)
Studies on the mechanism of olfactory transduction in vertebrates. Gold GH, et al. **Neurosci Res Suppl** 1990; 12:S127–34 (10 ref.)
Olfaction. Park RK. **Otolaryngol Clin North Am** 1973 Oct; 6(3):637–43 (15 ref.)
Olfactory neurogenesis: genetic or environmental controls? Farbman AI. **Trends Neurosci** 1990 Sep;13(9):362–5 (49 ref.)
[New morphologic principles of the physiology of smell and taste] Andres KH. **Arch Otorhinolaryngol** 1975;210(1):1–41 (31 ref.) (Eng. Abstr.) **(Ger)**
[Evaluating function and disorders of smell] Herberhold C. **Arch Otorhinolaryngol** 1975;210(1):67–164 (540 ref.) (Eng. Abstr.) **(Ger)**
[Physiology of smell and taste] von Baumgarten R. **Arch Otorhinolaryngol** 1975;210(1):43–65 (45 ref.) (Eng. Abstr.) **(Ger)**
[An olfactory memory of significance for reproductive endocrinology] Kaba H, et al. **Nippon Seirigaku Zasshi** 1991;53(5):151–68 (131 ref.) **(Jpn)**

SMITTIA see **CHIRONOMIDAE**

SMOG

ADVERSE EFFECTS

Can vitamin E protect humans against the pathological effects of ozone in smog? Pryor WA. **Am J Clin Nutr** 1991 Mar;53(3):702–22 (161 ref.)

SMOKE

ADVERSE EFFECTS

Acute toxicology of components of vegetation smoke. Dost FN. **Rev Environ Contam Toxicol** 1991;119:1–46 (122 ref.)

ANALYSIS

Analytical studies on tobacco-specific N-nitrosamines in tobacco and tobacco smoke. Brunnemann KD, et al. **Crit Rev Toxicol** 1991;21(4):235–40 (32 ref.)
Cigarette classification as a consumer message. Gori GB. **Regul Toxicol Pharmacol** 1990 Dec;12(3 Pt 1):253–62 (37 ref.)

SMOKE INHALATION INJURY

COMPLICATIONS

Prolonged asthma after smoke inhalation: a report of three cases and a review of previous reports. Moisan TC. **J Occup Med** 1991 Apr;33(4):458–61 (42 ref.)

PHYSIOPATHOLOGY

Pulmonary circulation and burns and trauma. Herndon DN, et al. **J Trauma** 1990 Dec;30(12 Suppl):S41–4 (24 ref.)

SMOKELESS TOBACCO see **TOBACCO, SMOKELESS**

SMOKING

see related
TOBACCO USE DISORDER

Gender differences in psychosocial determinants of adolescent smoking. Clayton S. **J Sch Health** 1991 Mar; 61(3):115–20 (28 ref.)
Nasal transit time in normal subjects and pathologic conditions. Englender M, et al. **Otolaryngol Head Neck Surg** 1990 Dec;103(6):909–12 (18 ref.)
Cigarette classification as a consumer message. Gori GB. **Regul Toxicol Pharmacol** 1990 Dec;12(3 Pt 1):253–62 (37 ref.)
[Guilty before being born] Bayés García R, et al. **An Esp Pediatr** 1990 Oct;33 Suppl 41:29–36 (58 ref.) **(Spa)**

ADVERSE EFFECTS

The anesthetic risk of tobacco smoking. Beckers S, et al. **Acta Anaesthesiol Belg** 1991;42(1):45–56 (65 ref.)
Smoking, catecholamines and their effects on endothelial cell integrity. Bondjers G, et al. **Adv Exp Med Biol** 1990; 273:51–9 (42 ref.)
Cigarette smoking and coronary artery disease. Colditz GA. **Adv Exp Med Biol** 1990;273:311–26 (59 ref.)
Tobacco smoking and atherosclerosis: overview. Diana JN. **Adv Exp Med Biol** 1990;273:1–7 (9 ref.)
Smoking and the pathogenesis of atherosclerosis. McGill HC Jr. **Adv Exp Med Biol** 1990;273:9–16 (30 ref.)
Cigarette smoking as a risk factor for coronary artery disease. Weintraub WS. **Adv Exp Med Biol** 1990;273:27–37 (45 ref.)
New effects of active and passive smoking on reproduction? [editorial] Samet JM. **Am J Epidemiol** 1991 Feb 15; 133(4):348–50 (13 ref.)
Diet, smoking, and alcohol: influence on coronary heart disease risk. Castelli WP. **Am J Kidney Dis** 1990 Oct;16(4 Suppl 1):41–6 (38 ref.)
Uterine cervical cancer risk in cigarette smokers: a meta-analytic study. Licciardone JC, et al. **Am J Prev Med** 1990 Sep–Oct;6(5):274–81 (27 ref.)
The peripheral vascular consequences of smoking. Krupski WC. **Ann Vasc Surg** 1991 May;5(3):291–304 (145 ref.)
Smoking, antioxidants, essential fatty acids and coronary heart disease. Duthie GG, et al. **Biochem Soc Trans** 1990 Dec;18(6):1051–4 (33 ref.)
The role of nicotine and nicotinic mechanisms in neuropsychiatric disease. Newhouse PA, et al. **Br J Addict** 1991 May;86(5):521–6 (45 ref.)
Cardiovascular effects of smoking. Mancia G, et al. **Clin Exp Hypertens [A]** 1990;12(5):917–29 (22 ref.)
Tobacco-specific N-nitrosamines: some aspects of prevention. Appel KE. **Crit Rev Toxicol** 1991;21(4):299–304 (25 ref.)
Smoking, the oral contraceptive pill, and Crohn's disease. Wakefield AJ, et al. **Dig Dis Sci** 1991 Aug;36(8):1147–50 (51 ref.)
Smoking and occlusive peripheral arterial disease. Clinical review. Lepäntalo M, et al. **Eur J Surg** 1991 Feb; 157(2):83–7 (65 ref.)
Lung cancer and the changing cigarette. Hoffmann D, et al. **IARC Sci Publ** 1991;(105):449–59 (49 ref.)
Changes in tobacco consumption and lung cancer risk: evidence from national statistics. Lopez AD. **IARC Sci Publ** 1990;(103):57–76 (14 ref.)
Changes in tobacco consumption and lung cancer risk: evidence from studies of individuals. Shopland DR. **IARC Sci Publ** 1990;(103):77–91 (38 ref.)
Smoking and drinking: a review of the literature. Bien TH, et al. **Int J Addict** 1990 Dec;25(12):1429–54 (80 ref.)
Worldwide epidemiological patterns of lung cancer in nonsmokers. Koo LC, et al. **Int J Epidemiol** 1990;19 Suppl 1:S14–23 (72 ref.)
Smoking and hypertension as predictors of cardiovascular risk in population studies. Kannel WB, et al. **J Hypertens Suppl** 1990 Sep;8(5):S3–8 (11 ref.)
Smoking and vitamin C. Murata A. **World Rev Nutr Diet** 1991;64:31–57 (96 ref.)
[The effect of acute and chronic smoking on arterial blood pressure and on the effects of antihypertensive agents] Missault L, et al. **Ned Tijdschr Geneeskd** 1991 Feb 9; 135(6):211–5 (53 ref.) **(Dut)**
[Etiology of bronchial cancer: smoking, passive smoking, environment and occupation] Schmähl D. **Pneumologie** 1991 Apr;45(4):134–6 (7 ref.) (Eng. Abstr.) **(Ger)**
[Smoking and smoking cessation in the context of preventive cardiology] Abelin T. **Schweiz Rundsch Med Prax** 1990 Sep 11;79(37):1062–7 (39 ref.) (Eng. Abstr.) **(Ger)**
[Relationship between cigarette smoking and epithelial cancer of the uterine cervix] Ben-Hur H, et al. **Harefuah** 1990 Oct;119(7–8):221–3 (44 ref.) **(Heb)**
[Cigarette smoking and diseases of the circulatory system] Chamiec T. **Kardiol Pol** 1990;33(9–10):43–7 (44 ref.) **(Pol)**
[Cigarette smoking and the pathophysiology of diseases of the digestive system--facts and hypotheses. II. The role of cigarette smoking in the pathogenesis of digestive system diseases] Jonderko K, et al. **Pol Arch Med Wewn** 1990 Sep; 84(3):144–9 (37 ref.) **(Pol)**
[New theories on the role of genetically determined alpha

1-antitrypsindeficiency in the development of pulmonary emphysema] Pilacik B, et al. **Pol Tyg Lek** 1990 Sep 17-24; 45(38-39):798-800 (21 ref.) **(Pol)**

[Risk factors in systemic vasculitis] Shilkina NP, et al. **Klin Med (Mosk)** 1990 Jul;68(7):20-5 (62 ref.) **(Rus)**

[Interaction between the arterial wall and thrombocytes in smokers] Lassila R, et al. **Nord Med** 1991;106(1):8-10 (15 ref.) (Eng. Abstr.) **(Swe)**

BLOOD

Effects of cigarette smoke and nicotine on platelets and experimental coronary artery thrombosis. Folts JD, et al. **Adv Exp Med Biol** 1990;273:339-58 (66 ref.)

Vascular and platelet eicosanoids, smoking and atherosclerosis. Jeremy JY, et al. **Adv Exp Med Biol** 1990; 273:135-46 (63 ref.)

Smoking, platelet reactivity and fibrinogen. Kutti J. **Adv Exp Med Biol** 1990;273:129-34 (37 ref.)

Relations between smoking, food intake and plasma lipoproteins. Olsson AG, et al. **Adv Exp Med Biol** 1990; 273:237-43 (15 ref.)

Cigarette smoking and platelet function: relation to nicotine, carbon monoxide and saturated fat. Renaud S. **Adv Exp Med Biol** 1990;273:161-71 (23 ref.)

Seasonal variation in the phagocytic activity and arachidonic-acid metabolism of human blood monocytes in healthy non-smokers, smokers and chronic bronchitics. Linden M, et al. **Agents Actions Suppl** 1990;30:121-32 (19 ref.)

Reactive changes in the blood of smokers and the development of arterial diseases and COPD, a review: evidence of associations between changes and subsequent disease with implications for the evaluation of harmful ...fects of cigarettes, and for susceptibility to the chronic effects of inhaled pollutants. Anthony HM. **Rev Environ Health** 1989 Jan-Dec;8(1-4):25-86 (472 ref.)

[Drug therapy of smokers. Changed pharmacokinetics and -dynamics] Bornkessel BB. **Med Monatsschr Pharm** 1991 Feb;14(2):51-5 (2 ref.) **(Ger)**

EPIDEMIOLOGY

Cigarette smoking and the risk of natural menopause. Midgette AS, et al. **Epidemiology** 1990 Nov;1(6):474-80 (37 ref.)

Gender differences in tobacco use. Grunberg NE, et al. **Health Psychol** 1991;10(2):143-53 (110 ref.)

Lung cancer and smoking prevalence in Canada. Brancker A. **Health Rep** 1990;2(1):67-83 (20 ref.) **(Eng, Fre)**

Does asbestosis increase the risk of lung cancer? Edelman DA. **Int Arch Occup Environ Health** 1990;62(5):345-9 (45 ref.)

[Smoking effects on pregnancy] Aleixo Neto A. **Rev Saude Publica** 1990 Oct;24(5):420-4 (19 ref.) (Eng. Abstr.) **(Por)**

GENETICS

Rehabilitating a genetic perspective in the study of tobacco and alcohol use. Kozlowski LT. **Br J Addict** 1991 May; 86(5):517-20 (22 ref.)

Genetic influences on tobacco use: a review of human and animal studies. Collins AC. **Int J Addict** 1990-91; 25(1A):35-55 (70 ref.)

METABOLISM

Assessment of the roles of vitamin C, vitamin E, and beta-carotene in the modulation of oxidant stress mediated by cigarette smoke-activated phagocytes. Anderson R. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):358S-361S (39 ref.)

Pharmacokinetic considerations in understanding nicotine dependence. Benowitz NL. **Ciba Found Symp** 1990; 152:186-200; discussion 200-9 (31 ref.)

Tobacco smoking, chewing, and snuff dipping: factors contributing to the endogenous formation of N-nitroso compounds. Tsuda M, et al. **Crit Rev Toxicol** 1991; 21(4):243-53 (74 ref.)

Importance of exposure to gaseous and particulate phase components of tobacco smoke in active and passive smokers. Scherer G, et al. **Int Arch Occup Environ Health** 1990;62(6):459-66 (39 ref.)

Clinical pharmacology of inhaled drugs of abuse: implications in understanding nicotine dependence. Benowitz NL. **NIDA Res Monogr** 1990;99:12-29 (21 ref.)

The effects of nicotine on metabolic rate. Marks BL, et al. **Sports Med** 1990 Nov;10(5):277-85 (53 ref.)

[Neuropharmacology of smoking: basic research opens new therapeutic possibilities] Svensson TH, et al. **Lakartidningen** 1991 May 29;88(22):2066-71 (56 ref.) (Eng. Abstr.) **(Swe)**

PATHOLOGY

Effects of cigarette smoking on coronary vascular dynamics: relationship to coronary atherosclerosis. Klein LW, et al. **Adv Exp Med Biol** 1990;273:301-10 (59 ref.)

PHYSIOPATHOLOGY

Platelet-vessel wall interactions in individuals who smoke cigarettes. Murray JJ, et al. **Adv Exp Med Biol** 1990; 273:189-98 (49 ref.)

Cigarette smoking and endothelial injury: a review. Pittilo RM. **Adv Exp Med Biol** 1990;273:61-78 (87 ref.)

Understanding brain mechanisms in nicotine reinforcement. Corrigall WA. **Br J Addict** 1991 May;86(5):507-10 (28 ref.)

Neurophysiological aspects of smoking behaviour: a neuroelectric perspective. Knott VJ. **Br J Addict** 1991 May; 86(5):511-5 (23 ref.)

Biobehavioral research on nicotine use in women. Pomerleau CS, et al. **Br J Addict** 1991 May;86(5):527-31 (40 ref.)

Behavioural pharmacology of nicotine: multiple mechanisms. Stolerman IP. **Br J Addict** 1991 May;86(5):533-6 (12 ref.)

The relevance of receptor binding studies to tobacco research. Wonnacott S. **Br J Addict** 1991 May;86(5):537-41 (28 ref.)

Effect of nicotine on dynamic function of brain catecholamine neurons. Svensson TH, et al. **Ciba Found Symp** 1990;152:169-80; discussion 180-5 (53 ref.)

The 'healthy smoker': a phenomenon of health selection? Becklake MR, et al. **Respiration** 1990;57(3):137-44 (41 ref.)

[Analysis of maximal expiratory flow-volume curves--visual evaluation and quantitative evaluation] Meguro T, et al. **Nippon Eiseigaku Zasshi** 1991 Jun;46(2):625-34 (40 ref.) (Eng. Abstr.) **(Jpn)**

[Cigarette smoking and pathophysiology of diseases of the digestive system--facts and hypotheses. I. Cigarette smoking and physiology of the digestive system] Nowak A, et al. **Pol Arch Med Wewn** 1990 Mar;83(3):137-42 (33 ref.) **(Pol)**

PREVENTION & CONTROL

Cue exposure and relapse prevention in the treatment of addictive behaviors. Marlatt GA. **Addict Behav** 1990; 15(4):395-9 (10 ref.)

How to help your patients stop smoking [see comments] Husten CG, et al. **Am Fam Physician** 1990 Oct; 42(4):1017-26 (29 ref.) Comment in: Am Fam Physician 1991 Jul;44(1):46, 49-50.

Smoking cessation: research on relapse crises. O'Connell KA. **Annu Rev Nurs Res** 1990;8:83-100 (48 ref.)

Smoking control at the workplace. Fielding JE. **Annu Rev Public Health** 1991;12:209-34 (94 ref.)

Progress and problems in international public health efforts to reduce tobacco usage. Pierce JP. **Annu Rev Public Health** 1991;12:383-400 (59 ref.)

Comprehensive approaches to tobacco use control. Glynn TJ. **Br J Addict** 1991 May;86(5):631-5 (20 ref.)

Conceptual and methodological considerations for tobacco addiction research. Grunberg NE, et al. **Br J Addict** 1991 May;86(5):637-41 (24 ref.)

Smoking prevention: towards a process approach. Leventhal H, et al. **Br J Addict** 1991 May;86(5):583-7 (15 ref.)

Responsibilities and potentials of physicians in the fight against smoking. Prignot J. **Bull Int Union Tuberc Lung Dis** 1990 Dec;65(4):38-44 (81 ref.)

The impact of prophylactic methods in the control of lung cancer in the U.S.A. Cullen JW. **Cancer Treat Res** 1989; 45:15-33 (33 ref.)

The mechanism of lung carcinogenesis and smoking cessation. Weisburger JH. **Epidemiology** 1990 Jul;1(4):314-7 (28 ref.)

Progress in decreasing cigarette smoking. Resnicow K, et al. **Important Adv Oncol** 1991;:205-13 (31 ref.)

The smoke-free workplace. Sees KL. **J Psychoactive Drugs** 1990 Oct-Dec;22(4):479-83 (17 ref.)

Antismoking products. Gourlay SG, et al. **Med J Aust** 1990 Dec 3-17;153(11-12):699-707 (94 ref.)

Smoking and prevention. Jayanthi V, et al. **Respir Med** 1991 May;85(3):179-83 (55 ref.)

[Periodic medical examination. Update 1990: 3. Interventions looking to prevent cancer of the lung using other methods than smoking cessation. The Canadian Study Group for Periodic Medical Examination] **Union Med Can** 1991 Mar-Apr;120(2):61-3 (45 ref.) **(Fre)**

[Methods in weaning from smoking] Dittmann A, et al. **Pneumologie** 1990 Dec;44(12):1279-86 (69 ref.) **(Ger)**

[General practitioners and interventions against smoking: a critical review of interventions] Rosso S, et al. **Epidemiol Prev** 1991 Mar;13(46):37-44 (28 ref.) (Eng. Abstr.) **(Ita)**

PSYCHOLOGY

The influence of stress on psychopharmacological responses to nicotine. Balfour DJ. **Br J Addict** 1991 May;86(5):489-93 (40 ref.)

Is nicotine more addictive than cocaine? Henningfield JE, et al. **Br J Addict** 1991 May;86(5):565-9 (28 ref.)

The development of dependence on smoking in children. McNeill AD. **Br J Addict** 1991 May;86(5):589-92 (14 ref.)

A bioinformational systems perspective on tobacco dependence. Niaura R, et al. **Br J Addict** 1991 May; 86(5):593-7 (22 ref.)

Research on stress and smoking: progress and problems. Pomerleau OF, et al. **Br J Addict** 1991 May;86(5):599-603 (28 ref.)

Inter-relationships between conditioned and primary reinforcement in the maintenance of cigarette smoking. Rose JE, et al. **Br J Addict** 1991 May;86(5):605-9 (38 ref.)

Refining models of dependence: variations across persons and situations. Shiffman S. **Br J Addict** 1991 May;86(5):611-5 (22 ref.)

Great expectations: some suggestions for applying the balanced placebo design to nicotine and smoking. Sutton SR. **Br J Addict** 1991 May;86(5):659-62 (8 ref.)

Behavioural studies in humans: anxiety, stress and smoking. Pomerleau OF, et al. **Ciba Found Symp** 1990;152:225-35; discussion 235-9 (42 ref.)

THERAPY

Nicotinic receptor blockade therapy and smoking cessation. Clarke PB. **Br J Addict** 1991 May;86(5):501-5 (27 ref.)

Towards better diagnoses and more individual treatment of tobacco dependence. Fagerström KO. **Br J Addict** 1991 May;86(5):543-7 (19 ref.)

Smoking and smoking cessation in cancer patients. Gritz ER. **Br J Addict** 1991 May;86(5):549-54 (46 ref.)

Individual differences in difficulty quitting smoking. Hajek P. **Br J Addict** 1991 May;86(5):555-8 (22 ref.)

Smoking cessation and weight gain. Leischow SJ, et al. **Br J Addict** 1991 May;86(5):577-81 (36 ref.)

The future of nicotine replacement. Russell MA. **Br J Addict** 1991 May;86(5):653-8 (17 ref.)

Restricted environmental stimulation and smoking cessation: a 15-year progress report. Suedfeld P. **Int J Addict** 1990 Aug;25(8):861-88 (65 ref.)

Pharmacological and behavioral treatment for cigarette smoking. Hall SM, et al. **Prog Behav Modif** 1990;25:86-118 (120 ref.)

TRENDS

Smokers of the future. Warburton DM, et al. **Br J Addict** 1991 May;86(5):621-5 (29 ref.)

Lung cancer and smoking trends in the United States over the past 25 years. Garfinkel L, et al. **CA** 1991 May-Jun; 41(3):137-45 (13 ref.)

SMOKING, PASSIVE see **TOBACCO SMOKE POLLUTION**

SMS 201-995 see **OCTREOTIDE**

SNAILS

Isolation of achatin-I, a neuroactive tetrapeptide having a D-phenylalanine residue, from Achatina ganglia, and its effects on Achatina giant neurones. Kamatani Y, et al. **Comp Biochem Physiol [C]** 1991;98(1):97-103 (20 ref.)

PARASITOLOGY

Schistosomiasis in China. Mao SP, et al. **Prog Clin Parasitol** 1989;1:121-41 (71 ref.)

SNAKE BITES

[Accidents caused by poisonous snakes from Brazil] Jorge MT, et al. **AMB Rev Assoc Med Bras** 1990 Apr-Jun; 36(2):66-77 (113 ref.) (Eng. Abstr.) **(Por)**

BLOOD

Arboreal green pit vipers (genus Trimeresurus) of South-East Asia: bites by T. albolabris and T. macrops in Thailand and a review of the literature. Hutton RA, et al. **Trans R Soc Trop Med Hyg** 1990 Nov-Dec;84(6):866-74 (46 ref.)

EPIDEMIOLOGY

Venomous snakebites. Gold BS, et al. **Md Med J** 1990 Sep; 39(9):833-42 (24 ref.)

THERAPY

Management of snakebite. Johnson CA. **Am Fam Physician** 1991 Jul;44(1):174-80 (10 ref.)

SNAKE VENOMS

ANALYSIS

Inventory of alpha- and beta-fibrinogenases from snake venoms. For the Subcommittee on Nomenclature of Exogenous Hemostatic Factors of the Scientific and Standardization Committee of the International Society on Thrombosis and Haemostasis. Markland FS Jr. **Thromb Haemost** 1991 Apr 8;65(4):438-43 (84 ref.)

Thrombin-like enzymes from snake venoms: an inventory. For the Subcommittee on Nomenclature of Exogenous Hemostatic Factors of the Scientific and Standardization Committee of the International Society on Thrombosis and Haemostasis. Pirkle H, et al. **Thromb Haemost** 1991 Apr 8;65(4):444-50 (94 ref.)

GENETICS

Thrombin-like venom enzymes: structure and function. Pirkle H, et al. **Adv Exp Med Biol** 1990;281:165-75 (101 ref.)

PHARMACOLOGY

Characterization of snake venom principles affecting blood coagulation and platelet aggregation. Ouyang C, et al. **Adv Exp Med Biol** 1990;281:151-63 (135 ref.)

Effects of snake venoms on hemostasis. Meier J, et al. **Crit Rev Toxicol** 1991;21(3):171-82 (129 ref.)

POISONING

[Accidents caused by poisonous snakes from Brazil] Jorge MT, et al. **AMB Rev Assoc Med Bras** 1990 Apr-Jun; 36(2):66-77 (113 ref.) (Eng. Abstr.) **(Por)**

TOXICITY

Muscle necrosis caused by snake venoms and toxins. Harris JB, et al. **Electron Microsc Rev** 1990;3(2):183-211 (75 ref.)
Myotoxic components of snake venoms: their biochemical and biological activities. Mebs D, et al. **Pharmacol Ther** 1990;48(2):223-36 (77 ref.)
Effects of snake venom proteins on blood platelets. Kini RM, et al. **Toxicon** 1990;28(12):1387-422 (200 ref.)

SNAKES

CLASSIFICATION

[Accidents caused by poisonous snakes from Brazil] Jorge MT, et al. **AMB Rev Assoc Med Bras** 1990 Apr-Jun; 36(2):66-77 (113 ref.) (Eng. Abstr.) **(Por)**

GENETICS

Inherited color defects. Comparison between humans and snakes. Bechtel HB. **Int J Dermatol** 1991 Apr;30(4):243-6 (12 ref.)

SNEDDON-WILKINSON DISEASE see **SKIN DISEASES, VESICULOBULLOUS**

SNORING

[Snoring] Sun J, et al.
Chung Hua Erh Pi Yen Hou Ko Tsa Chih 1988;23(5):304-6 (21 ref.) **(Chi)**

PHYSIOPATHOLOGY

[Snoring and sleep apnea syndrome in the elderly] Dejean Y, et al. **Rev Laryngol Otol Rhinol (Bord)** 1989;110(1):69-73 (21 ref.) (Eng. Abstr.) **(Fre)**
[From snoring to sleep apnea syndrome] Orcel B, et al. **Rev Mal Respir** 1990;7(5):425-32 (78 ref.) **(Fre)**

SURGERY

[Snoring and sleep-related respiratory disorders in children--clinical aspects, differential diagnoses and indications for adenotonsillectomy] Mayer-Brix J, et al. **Arch Otorhinolaryngol Suppl** 1991;1:79-114 (227 ref.) **(Ger)**

SNUFF see **TOBACCO, SMOKELESS**

SOAPS

Skin cleansing in health and disease. Raab W.
Wien Med Wochenschr Suppl 1990;108:4-10 (35 ref.)

SOCCER

Meeting carbohydrate and fluid needs in soccer. Shephard RJ. **Can J Sport Sci** 1990 Sep;15(3):165-71 (70 ref.)

SOCIAL ACCOUNTABILITY see **SOCIAL RESPONSIBILITY**

SOCIAL ADJUSTMENT

Pre- and postoperative rehabilitation related to epilepsy surgery. Silfvenius H. **Acta Neurochir Suppl (Wien)** 1990; 50:100-6 (64 ref.)
Local crime as a natural hazard: implications for understanding the relationship between disorder and fear of crime. Taylor RB, et al. **Am J Community Psychol** 1990 Oct;18(5):619-41 (60 ref.)
The social psychiatry of later life [see comments] Henderson AS. **Br J Psychiatry** 1990 May;156:645-53 (90 ref.) Comment in: Br J Psychiatry 1990 Aug;157:302.
Beyond the continuum of care: conceptualizing day treatment for children and youth. Topp DB.
Community Ment Health J 1991 Apr;27(2):105-13 (12 ref.)
A review of child psychotherapy research since 1963. Barrnett RJ, et al. **J Am Acad Child Adolesc Psychiatry** 1991 Jan;30(1):1-14 (80 ref.)
Cognitive and social cognitive development of depressed children and adolescents. Kovacs M, et al.
J Am Acad Child Adolesc Psychiatry 1991 May; 30(3):388-92 (35 ref.)
The relationship between existing residential services and the needs of autistic adults. Van Bourgondien ME, et al.
J Autism Dev Disord 1990 Sep;20(3):299-308 (18 ref.)
Group homes in North Carolina for children and adults with autism. Wall AJ. **J Autism Dev Disord** 1990 Sep; 20(3):353-66 (47 ref.)
Prophylactic treatment of depression: a public health issue. Montgomery SA, et al. **Neuropsychobiology** 1989; 22(4):214-9 (19 ref.)
Cognitive-developmental systems theory in pervasive developmental disorders. Miller A.
Psychiatr Clin North Am 1991 Mar;14(1):141-63 (53 ref.)
Validity issues in research on Vietnam veteran adjustment. King DW, et al. **Psychol Bull** 1991 Jan;109(1):107-24 (112 ref.)
Measuring the social dimension of subjective health in chronic illness. Siegrist J, et al. **Psychother Psychosom** 1990; 54(2-3):90-8 (32 ref.)
[Health and psychosocial effects of miscarriage] Läpple M. **Fortschr Neurol Psychiatr** 1991 May;59(5):155-63 (87 ref.) (Eng. Abstr.) **(Ger)**
[Integrated management of the HIV positive patient--medical, psychological and psychosocial aspects] Jäger H. **Internist (Berl)** 1990 Sep;31(9):575-81 (26 ref.) **(Ger)**
[Psychosocial management of glioma patients treated with combined therapy] Schmidt B, et al.
Psychiatr Neurol Med Psychol (Leipz) 1990 Aug; 42(8):494-9 (16 ref.) (Eng. Abstr.) **(Ger)**

SOCIAL BEHAVIOR

How and what do autistic children see? Emotional, perceptive and social peculiarities reflected in more recent examinations of the visual perception and the process of observation in autistic children. Dalferth M.
Acta Paedopsychiatr 1989;52(2):121-33 (75 ref.)
Alcohol myopia. Its prized and dangerous effects. Steele CM, et al. **Am Psychol** 1990 Aug;45(8):921-33 (60 ref.)
Social motivation. Green RG. **Annu Rev Psychol** 1991; 42:377-99 (75 ref.)
Understanding the culture and behaviour of East Asians--a Confucian perspective [see comments] Cheng SK.
Aust N Z J Psychiatry 1990 Dec;24(4):510-5 (37 ref.) Comment in: Aust N Z J Psychiatry 1991 Mar;25(1):14-6.
Social behavior of students who are seriously emotionally disturbed. A quantitative analysis of intervention studies. Singh NN, et al. **Behav Modif** 1991 Jan;15(1):74-94 (60 ref.)
Childhood experiences and adult psychosocial functioning. Rutter M. **Ciba Found Symp** 1991;156:189-200; discussion 200-8 (14 ref.)
Common methodological framework for theory construction and evaluation in the social and behavioral sciences. Tzeng OC, et al. **Genet Soc Gen Psychol Monogr** 1991 Feb; 117(1):49-76 (80 ref.)
Senior centers and minority elders: a critical review. Ralston PA. **Gerontologist** 1991 Jun;31(3):325-31 (65 ref.)
The Emanuel Miller Memorial Lecture 1990. Cooperative learning in classrooms: processes and outcomes. Bennett N. **J Child Psychol Psychiatry** 1991 May;32(4):581-94 (21 ref.)
Hormonal regulation of sociosexual behavior in female mammals. Takahashi LK. **Neurosci Biobehav Rev** 1990 Winter;14(4):403-13 (191 ref.)
The interaction of pubertal and psychosocial development during adolescence. Litt IF. **Pediatr Rev** 1991 Feb; 12(8):249-55 (25 ref.)
The social unit: an important facet in the design of cancer control research. Biglan A, et al. **Prev Med** 1991 Mar; 20(2):292-305 (55 ref.)
Social behaviour and the prefrontal cortex. de Bruin JP.
Prog Brain Res 1990;85:485-96; discussion 497 (31 ref.)
[Behavior analytic approaches of research in psychiatry] Gaebel W. **Nervenarzt** 1990 Sep;61(9):527-35 (87 ref.) (Eng. Abstr.) **(Ger)**
[Alcohol drinking behaviors--physiological and sociomedical factors] Komura S.
Nippon Hoigaku Zasshi 1990 Dec;44(5-6):385-403 (39 ref.) (Eng. Abstr.) **(Jpn)**
[Infanticide in primates and man and the problems of reconstructing the social behavior of the hominids] Butovskaia ML. **Biol Nauki** 1990;(12):5-23 (72 ref.) (Eng. Abstr.) **(Rus)**

SOCIAL BEHAVIOR DISORDERS

see related
ANTISOCIAL PERSONALITY DISORDER

PSYCHOLOGY

Behavioral functioning in individuals with mental retardation. Zigler E, et al. **Annu Rev Psychol** 1991;42:29-50 (120 ref.)
The communicative function hypothesis: an operant behavior perspective. Cipani E. **J Behav Ther Exp Psychiatry** 1990 Dec;21(4):239-47 (26 ref.)
Normal and abnormal behavior in cross-cultural perspective: specifying the nature of their relationship. Draguns JG. **Nebr Symp Motiv** 1989;37:235-77 (150 ref.)

REHABILITATION

The behavioral model and adolescents with behavior disorders: a review of selected treatment studies. Olinger E, et al. **Prog Behav Modif** 1991;27:122-56 (100 ref.)

SOCIAL CHANGE

Societies, families, and change: the Alaskan example. Mohatt GV, et al. **Am Indian Alsk Native Ment Health Res** 1988; 1 MONO 1:325-52 discussion 353-65 (47 ref.)
Man/boy love and the American gay movement. Thorstad D. **J Homosex** 1990;20(1-2):251-74 (45 ref.)
Family and socialization in cross-cultural perspective: a model of change. Kağitçibaşi C. **Nebr Symp Motiv** 1989; 37:135-200 (250 ref.)
Tyranny of the obsessional character. Grumet GW.
Psychol Rep 1991 Feb;68(1):71-93 (80 ref.)
Ageing and life history: the meaning of reminiscence in late life. Coleman PG. **Sociol Rev [Monogr]** 1991;(37):120-43 (50 ref.)
[Changes of the family in the 20th century] Haag A.
Psychother Psychosom Med Psychol 1990 Sep-Oct; 40(9-10):351-6 (24 ref.) (Eng. Abstr.) **(Ger)**

SOCIAL CLASS

Socioeconomic status and morbidity and mortality in hypertensive blacks. Moorman PG, et al.
Cardiovasc Clin 1991;21(3):179-94 (38 ref.)
Black on class and mortality: theory, method and history. Strong PM. **J Public Health Med** 1990;12(3-4):168-80 (73 ref.)
Inequality in health--some theoretical and empirical problems. Vågerö D. **Soc Sci Med** 1991;32(4):367-71 (29 ref.)
Rethinking the health selection explanation for health inequalities. West P. **Soc Sci Med** 1991;32(4):373-84 (60 ref.)

SOCIAL CLUBS, THERAPEUTIC see **SELF-HELP GROUPS**

SOCIAL CONDITIONS

TRENDS

Resurgence of a new "clean living" movement in the United States. Engs RC. **J Sch Health** 1991 Apr;61(4):155-9 (53 ref.)

SOCIAL CONFORMITY

see related
SOCIAL CONTROL, INFORMAL

Between awakening and despair. The phenomenology and clinic of obstinacy. Bosch G. **Acta Paedopsychiatr** 1989; 52(3):197-203 (11 ref.)
Subcultural styles in adolescence. Brinkmann-Göbel R, et al. **Acta Paedopsychiatr** 1989;52(3):217-31 (32 ref.)
Drinking, the construction of ethnic identity and social process in a Western Australian youth subculture. Moore D. **Br J Addict** 1990 Oct;85(10):1265-78 (55 ref.)
A social pathology of human conflict. Brix VH.
Med War 1991 Jan-Mar;7(1):21-32 (29 ref.)
Cross-cultural studies of individualism and collectivism. Triandis HC. **Nebr Symp Motiv** 1989;37:41-133 (230 ref.)

SOCIAL CONTROL, FORMAL

Prevention of HIV transmission in the workplace: category II (emergency service) workers. Mueller K.
Am Ind Hyg Assoc J 1991 Feb;52(2):A104-7 (13 ref.)
Contributions of family violence research to criminal justice policy on wife assault: paradigms of science and social control. Fagan J. **Violence Vict** 1988 Fall;3(3):159-86 (130 ref.)

SOCIAL CONTROL, INFORMAL

Principles of non-verbal communication in efforts to reduce peer and social pressure. Duryea EJ. **J Sch Health** 1991 Jan;61(1):5-10 (52 ref.)

SOCIAL DISCRIMINATION see **PREJUDICE**

SOCIAL DOMINANCE

Behavioral correlates of chronic dominance-subordination relationships of male rats in a seminatural situation. Blanchard DC, et al. **Neurosci Biobehav Rev** 1990 Winter; 14(4):455-62 (36 ref.)

SOCIAL ENVIRONMENT

see related
LIFE STYLE

Local crime as a natural hazard: implications for understanding the relationship between disorder and fear of crime. Taylor RB, et al. **Am J Community Psychol** 1990 Oct;18(5):619-41 (60 ref.)
Some developmental implications of a disturbance in responding to complex environmental stimuli. Burke JC.
Am J Ment Retard 1991 Jul;96(1):37-52 (150 ref.)
The family context of nonorganic failure to thrive. Drotar D. **Am J Orthopsychiatry** 1991 Jan;61(1):23-34 (90 ref.)
Evolutionary personality psychology. Buss DM.
Annu Rev Psychol 1991;42:459-91 (140 ref.)
Social factors and psychopathology: stress, social support, and coping processes. Coyne JC, et al.
Annu Rev Psychol 1991;42:401-25 (130 ref.)
Social motivation. Green RG. **Annu Rev Psychol** 1991; 42:377-99 (75 ref.)
The social and family context of aboriginal self-harmful behaviour in remote Australia. Hunter EM.
Aust N Z J Psychiatry 1991 Jun;25(2):203-9 (33 ref.)
The development of dependence on smoking in children. McNeill AD. **Br J Addict** 1991 May;86(5):589-92 (14 ref.)
Alcohol problems and the city. Room R. **Br J Addict** 1990 Nov;85(11):1395-402 (31 ref.)

Refining models of dependence: variations across persons and situations. Shiffman S. **Br J Addict** 1991 May;86(5):611–5 (22 ref.)
The social psychiatry of later life [see comments] Henderson AS. **Br J Psychiatry** 1990 May;156:645–53 (90 ref.) Comment in: Br J Psychiatry 1990 Aug;157:302.
Self-esteem as a factor in social and domestic violence. Rosen I. **Br J Psychiatry** 1991 Jan;158:18–23 (11 ref.)
Psychosocial and erotic development in cross-gender identified children. Zucker KJ. **Can J Psychiatry** 1990 Aug; 35(6):487–95 (64 ref.)
The language environment of the young infant: implications for early perceptual development. Cooper RP, et al. **Can J Psychol** 1989 Jun;43(2):247–65 (55 ref.)
Social environment and social support. Kobasa SC, et al. **Cancer** 1991 Feb 1;67(3 Suppl):788–93 (18 ref.)
Childhood experiences and adult psychosocial functioning. Rutter M. **Ciba Found Symp** 1991;156:189–200; discussion 200–8 (14 ref.)
The use of single room occupancy (SRO) housing as a residential alternative for persons with a chronic mental illness. Linhorst DM. **Community Ment Health J** 1991 Apr; 27(2):135–44 (21 ref.)
Beyond the continuum of care: conceptualizing day treatment for children and youth. Topp DB. **Community Ment Health J** 1991 Apr;27(2):105–13 (12 ref.)
Environmental and biological incidences over predatory aggression in rodents. Haug M, et al. **Comp Biochem Physiol A** 1991;99(3):285–93 (91 ref.)
An ecological approach to language development: an alternative functionalism. Dent CH. **Dev Psychobiol** 1990 Nov;23(7):679–703 (125 ref.)
Socio-perceptual bases for the emergence of language: an alternative to innatist approaches. Zukow PG. **Dev Psychobiol** 1990 Nov;23(7):705–26 (145 ref.)
Adoption studies in functional psychosis [editorial] Kringlen E. **Eur Arch Psychiatry Clin Neurosci** 1991;240(6):307–13 (34 ref.)
Common methodological framework for theory construction and evaluation in the social and behavioral sciences. Tzeng OC, et al. **Genet Soc Gen Psychol Monogr** 1991 Feb; 117(1):49–76 (80 ref.)
Taste, food exposure, and eating behavior. Capaldi ED, et al. **Hosp Community Psychiatry** 1991 Aug;42(8):787–9 (20 ref.)
Aging and performance of home tasks. Lawton MP. **Hum Factors** 1990 Oct;32(5):527–36 (20 ref.)
Human factors and aging: an overview of research needs and application opportunities. Smith DB. **Hum Factors** 1990 Oct;32(5):509–26 (140 ref.)
The relationship between child and adult psychopathology in children of alcoholics. Giglio JJ, et al. **Int J Addict** 1990 Mar;25(3):263–90 (74 ref.)
The ecological validity of laboratory and analogue assessment methods of ADHD symptoms. Barkley RA. **J Abnorm Child Psychol** 1991 Apr;19(2):149–78 (115 ref.)
Social validity assessments: is current practice state of the art? Schwartz IS, et al. **J Appl Behav Anal** 1991 Summer; 24(2):189–204 (75 ref.)
The relationship between existing residential services and the needs of autistic adults. Van Bourgondien ME, et al. **J Autism Dev Disord** 1990 Sep;20(3):299–308 (18 ref.)
Group homes in North Carolina for children and adults with autism. Wall AJ. **J Autism Dev Disord** 1990 Sep; 20(3):353–66 (47 ref.)
The communicative function hypothesis: an operant behavior perspective. Cipani E. **J Behav Ther Exp Psychiatry** 1990 Dec;21(4):239–47 (26 ref.)
The Emanuel Miller Memorial Lecture 1990. Cooperative learning in classrooms: processes and outcomes. Bennett N. **J Child Psychol Psychiatry** 1991 May;32(4):581–94 (21 ref.)
Recent studies of mentally handicapped young people's behaviour. Fraser WI, et al. **J Child Psychol Psychiatry** 1991 Jan;32(1):79–108 (200 ref.)
Annotation: children of alcoholics. von Knorring AL. **J Child Psychol Psychiatry** 1991 Mar;32(3):411–21 (60 ref.)
Psychosocial risk and protective factors in childhood [see comments] Pellegrini DS. **J Dev Behav Pediatr** 1990 Aug; 11(4):201–9 (87 ref.) Comment in: J Dev Behav Pediatr 1990 Aug;11(4):210–1.
Living arrangements and sources of caregiving. Chappell NL. **J Gerontol** 1991 Jan;46(1):S1–8 (33 ref.)
Psychology of acculturation. Berry JW. **Nebr Symp Motiv** 1989;37:201–34 (42 ref.)
Normal and abnormal behavior in cross-cultural perspective: specifying the nature of their relationship. Draguns JG. **Nebr Symp Motiv** 1989;37:235–77 (150 ref.)
Alcohol challenge with sons of alcoholics: a critical review and analysis. Newlin DB, et al. **Psychol Bull** 1990 Nov; 108(3):383–402 (95 ref.)
Psychological factors affecting pulmonary and rheumatologic diseases. A review. Moran MG. **Psychosomatics** 1991 Winter;32(1):14–23 (71 ref.)
Crime at home and in the streets: the relationship between family and stranger violence. Fagan J, et al. **Violence Vict** 1987 Spring;2(1):5–23 (110 ref.)
The ecology of child abuse and neglect: review of the literature and presentation of data. Zuravin SJ. **Violence Vict** 1989 Summer;4(2):101–20 (55 ref.)
[Human ontogenesis from a behavioral biological viewpoint] Tembrock G. **Arztl Jugendkd** 1990;81(5):424–9 (9 ref.) (Eng. Abstr.) **(Ger)**
[Has general practice measurement of blood pressure become obsolete?] Mengden T, et al. **Internist (Berl)** 1991 Mar; 32(3):111–8 (50 ref.) **(Ger)**
[Psychosomatics of the family today] Stierlin H. **Psychother Psychosom Med Psychol** 1990 Sep–Oct; 40(9–10):357–62 (10 ref.) (Eng. Abstr.) **(Ger)**

SOCIAL IDENTIFICATION

Subcultural styles in adolescence. Brinkmann-Göbel R, et al. **Acta Paedopsychiatr** 1989;52(3):217–31 (32 ref.)
Drinking, the construction of ethnic identity and social process in a Western Australian youth subculture. Moore D. **Br J Addict** 1990 Oct;85(10):1265–78 (55 ref.)
Orthogonal cultural identification theory: the cultural identification of minority adolescents. Oetting ER, et al. **Int J Addict** 1990–91;25(5A–6A):655–85 (40 ref.)
On internalization in group psychology: the group within. Scheidlinger S. **J Am Acad Psychoanal** 1990 Fall; 18(3):494–504 (41 ref.)
Ethnic identity in adolescents and adults: review of research. Phinney JS. **Psychol Bull** 1990 Nov;108(3):499–514 (110 ref.)

SOCIAL INSURANCE see **SOCIAL SECURITY**

SOCIAL INTERACTION see **INTERPERSONAL RELATIONS**

SOCIAL ISOLATION

Restricted environmental stimulation and smoking cessation: a 15-year progress report. Suedfeld P. **Int J Addict** 1990 Aug;25(8):861–88 (65 ref.)

SOCIAL JUSTICE

Justice issues in health care delivery. Drane JF. **Bull Pan Am Health Organ** 1990;24(4):566–78 (18 ref.)
Health care provision and distributive justice: end stage renal disease and the elderly in Britain and America. Gill DG, et al. **Soc Sci Med** 1991;32(5):565–77 (55 ref.)

SOCIAL PERCEPTION

see related
STEREOTYPING
How and what do autistic children see? Emotional, perceptive and social peculiarities reflected in more recent examinations of the visual perception and the process of observation in autistic children. Dalferth M. **Acta Paedopsychiatr** 1989;52(2):121–33 (75 ref.)
Anxiety—social issues of treatment. Lader M. **Prog Clin Biol Res** 1990;361:257–73 (71 ref.)
A general model of consensus and accuracy in interpersonal perception. Kenny DA. **Psychol Rev** 1991 Apr;98(2):155–63 (28 ref.)
Within and without: images of community and implications for South African psychology. Butchart A, et al. **Soc Sci Med** 1990;31(10):1093–102 (46 ref.)
Vulnerability: towards a better understanding of a key variable in the genesis of fear of crime. Killias M. **Violence Vict** 1990 Summer;5(2):97–108 (39 ref.)

SOCIAL POLICY see **PUBLIC POLICY**

SOCIAL PROBLEMS

see related
ALCOHOLISM
SUBSTANCE DEPENDENCE
Origins of public health collapse in New York City: the dynamics of planned shrinkage, contagious urban decay and social disintegration. Wallace R, et al. **Bull N Y Acad Med** 1990 Sep–Oct;66(5):391–434 (84 ref.)
Depression. Nursing implications of a clinical and social problem. Abraham IL, et al. **Nurs Clin North Am** 1991 Sep;26(3):527–44 (17 ref.)
[Sexual violence as a sociomedical problem] Vasilev D. **Akush Ginekol (Sofiia)** 1990;29(4):67–71 (12 ref.) (Eng. Abstr.) **(Bul)**

LEGISLATION & JURISPRUDENCE
Obscenity and social harm: a contested terrain. Brannigan A. **Int J Law Psychiatry** 1991;14(1–2):1–12 (60 ref.)

STATISTICS & NUMERICAL DATA
The American drug panic of the 1980s: social construction or objective threat? Goode E. **Int J Addict** 1990 Sep; 25(9):1083–98 (65 ref.)

SOCIAL PSYCHIATRY see **COMMUNITY PSYCHIATRY**

SOCIAL REINFORCEMENT see **REINFORCEMENT, SOCIAL**

SOCIAL RESPONSIBILITY

Ethics and AIDS: a summary of the law and a critical analysis of the individual physician's ethical duty to treat. Tegtmeier JW. **Am J Law Med** 1990;16(1–2):249–65 (102 ref.)
An international perspective on organizing people at risk for AIDS at the community level. Martin GS, et al. **Antibiot Chemother** 1991;43:257–63 (9 ref.)
The future impact of AIDS on society. Roscam Abbing EW. **Antibiot Chemother** 1991;43:264–71 (20 ref.)
The unique treatment needs of female substance abusers in correctional institutions: the obligation of the criminal justice system to provide parity of services. Yang SS. **Med Law** 1990;9(4):1018–27 (33 ref.)
The impact of state and society on medical research. Pfaltz CR. **Prog Drug Res** 1990;35:9–23 (12 ref.)
Ethics, AIDS, and community responsibility. Douard J. **Theor Med** 1990 Sep;11(3):213–26 (13 ref.)
[Guilt and freedom—psychiatric-psychotherapeutic and anthropologic aspects] Bron B. **Psychother Psychosom Med Psychol** 1990 Dec;40(12):480–7 (61 ref.) (Eng. Abstr.) **(Ger)**

SOCIAL SCIENCES

Use of social science research to improve epidemiologic studies of and interventions for diarrhea and dysentery. Nichter M. **Rev Infect Dis** 1991 Mar–Apr;13 Suppl 4:S265–71 (33 ref.)

SOCIAL SECURITY

LEGISLATION & JURISPRUDENCE
The rating of psychiatric impairment in forensic practice: a review. Mendelson G. **Aust N Z J Psychiatry** 1991 Mar; 25(1):84–94 (38 ref.)

ORGANIZATION & ADMINISTRATION
The earnings test and the short-run work response to its elimination. Packard MD. **Soc Secur Bull** 1990 Sep; 53(9):2–16 (12 ref.)

SOCIAL SERVICE see **SOCIAL WORK**

SOCIAL SUPPORT

Role of support group for the family caregiver of dementia: recent developments in the structure of the support system. Vickers AB. **Adv Exp Med Biol** 1990;282:141–7 (25 ref.)
Psychological difficulties of caring for dementia patients: the role of support groups. Zandi T. **Adv Exp Med Biol** 1990; 282:113–20 (51 ref.)
Social factors and psychopathology: stress, social support, and coping processes. Coyne JC, et al. **Annu Rev Psychol** 1991;42:401–25 (130 ref.)
Social support and the cancer patient. Implications for future research and clinical care. Broadhead WE, et al. **Cancer** 1991 Feb 1;67(3 Suppl):794–9 (37 ref.)
Social environment and social support. Kobasa SC, et al. **Cancer** 1991 Feb 1;67(3 Suppl):788–93 (18 ref.)
Psychologic support and psychotropic medications. Hennaux P, et al. **Curr Opin Oncol** 1990 Oct;2(5):929–36 (23 ref.)
Psychosocial aspects of rheumatic disease: the developing biopsychosocial framework. Wegener ST. **Curr Opin Rheumatol** 1991 Apr;3(2):300–4 (25 ref.)
The effects of social support on women's health during pregnancy, labor and delivery, and the postpartum period. Gjerdingen DK, et al. **Fam Med** 1991 Jul;23(5):370–5 (50 ref.)
Social support and social networks: their relationship to the successful and unsuccessful survival of elderly people in the community. An analysis of concepts and a review of the evidence. Bowling A. **Fam Pract** 1991 Mar;8(1):68–83 (141 ref.)
Gender differences in social support and physical health. Shumaker SA, et al. **Health Psychol** 1991;10(2):102–11 (84 ref.)
Social networks, health, and emotional well-being among the oldest old in London. Bowling A, et al. **J Gerontol** 1991 Jan;46(1):S20–32 (79 ref.)
Measuring the social dimension of subjective health in chronic illness. Siegrist J, et al. **Psychother Psychosom** 1990; 54(2–3):90–8 (32 ref.)
Caring for the elderly: the partnership issue. Jutras S. **Soc Sci Med** 1990;31(7):763–71 (61 ref.)
Survival modes for people with AIDS in groups. Getzel GS. **Soc Work** 1991 Jan;36(1):7–11 (14 ref.)
The ecology of child abuse and neglect: review of the literature and presentation of data. Zuravin SJ. **Violence Vict** 1989 Summer;4(2):101–20 (55 ref.)
[Partnership networks and social organizations] Defert D. **Bull Acad Natl Med** 1990 Nov;174(8):1187–96; discussion 1196–7 (11 ref.) (Eng. Abstr.) **(Fre)**
[Medico-psychosocial rehabilitation of patients with cancer] Razavi D. **Rev Med Brux** 1991 Jan–Feb;12(1–2):19–25 (51 ref.) (Eng. Abstr.) **(Fre)**
[Support system for the demented elderly—the viewpoint of community care] Okuni M. **Nippon Ronen Igakkai Zasshi** 1990 May;27(3):314–8 (7 ref.) (Eng. Abstr.) **(Jpn)**

SOCIAL VALUES

Values and religious issues in psychotherapy and mental health. Bergin AE. **Am Psychol** 1991 Apr;46(4):394–403 (70 ref.)

The impact of television on children and clinical practice. Tonge BJ. **Aust N Z J Psychiatry** 1990 Dec;24(4):552–60 (65 ref.)
Obscenity and social harm: a contested terrain. Brannigan A. **Int J Law Psychiatry** 1991;14(1–2):1–12 (60 ref.)
Is social validity what we are interested in? Argument for a functional approach. Hawkins RP. **J Appl Behav Anal** 1991 Summer;24(2):205–13 (26 ref.)
Social validity assessments: is current practice state of the art? Schwartz IS, et al. **J Appl Behav Anal** 1991 Summer; 24(2):189–204 (75 ref.)
The need to define the terms 'parent' and 'parenthood'. Boult BE. **Med Law** 1990;9(4):1028–35 (15 ref.)
Cross-cultural studies of individualism and collectivism. Triandis HC. **Nebr Symp Motiv** 1989;37:41–133 (230 ref.)
[Changes of the family in the 20th century] Haag A. **Psychother Psychosom Med Psychol** 1990 Sep–Oct; 40(9–10):351–6 (24 ref.) (Eng. Abstr.) **(Ger)**
[Presentation of violence in the media and its effects on children and adolescents] Selg H. **Z Kinder Jugenpsychiatr** 1990 Sep;18(3):152–6 (29 ref.) **(Ger)**

SOCIAL WELFARE

The informal sector of welfare: a crisis in caring? Graham H. **Soc Sci Med** 1991;32(4):507–15 (58 ref.)

STATISTICS & NUMERICAL DATA

Who are the homeless families? Characteristics of sheltered mothers and children. Bassuk EL. **Community Ment Health J** 1990 Oct;26(5):425–34 (21 ref.)

TRENDS

[Welfare for the aged in Japan—current status and in the future] Takahashi M. **Nippon Ika Daigaku Zasshi** 1991 Apr; 58(2):160–4 (9 ref.) **(Jpn)**

SOCIAL WORK

see related
COMMUNITY HEALTH SERVICES

Physicians and the difficult patient. Staley JC. **Soc Work** 1991 Jan;36(1):74–9 (52 ref.)
Ethics and technological advances: contributions of social work practice. Abramson M. **Soc Work Health Care** 1990; 15(2):5–17 (31 ref.)
Trends in maternal and child health care: implications for research and issues for social work practice. Carlton TO, et al. **Soc Work Health Care** 1990;15(1):45–62 (37 ref.)
Research in patient and family decision making regarding life sustaining and long term care. Coulton CJ. **Soc Work Health Care** 1990;15(1):63–78 (35 ref.)
Managing stress in health social work roles today. Dillon C. **Soc Work Health Care** 1990;14(4):91–108 (21 ref.)

ORGANIZATION & ADMINISTRATION

A social work practice model of case management: the case management grid. Moore ST. **Soc Work** 1990 Sep; 35(5):444–8 (36 ref.)
Social work's contribution to psychosocial rehabilitation. Peterson CL, et al. **Soc Work** 1990 Sep;35(5):468–72 (31 ref.)

SOCIAL WORK DEPARTMENT, HOSPITAL

Enhancing patient participation: clinical strategies in the discharge planning process. Abramson JS. **Soc Work Health Care** 1990;14(4):53–71 (52 ref.)

TRENDS

Enhancing social work influence in the hospital: identifying sources of power. Berger CS. **Soc Work Health Care** 1990; 15(2):77–93 (31 ref.)

SOCIAL WORKERS see **SOCIAL WORK**

SOCIALIZATION

The impact of television on children and clinical practice. Tonge BJ. **Aust N Z J Psychiatry** 1990 Dec;24(4):552–60 (65 ref.)
The Emanuel Miller Memorial Lecture 1990. Cooperative learning in classrooms: processes and outcomes. Bennett N. **J Child Psychol Psychiatry** 1991 May;32(4):581–94 (21 ref.)
Family and socialization in cross-cultural perspective: a model of change. Kağitçibaşi C. **Nebr Symp Motiv** 1989; 37:135–200 (250 ref.)
Enhancement of social learning family interventions for childhood conduct disorder. Miller GE, et al. **Psychol Bull** 1990 Sep;108(2):291–307 (260 ref.)
Correspondence training: review and current issues. Baer RA. **Res Dev Disabil** 1990;11(4):379–93 (33 ref.)

SOCIALIZED MEDICINE see **STATE MEDICINE**

SOCIETIES

Position of the American Dietetic Association: nutrition in foodservice establishments. **J Am Diet Assoc** 1991 Apr; 91(4):480–2 (18 ref.)

SOCIETIES, DENTAL

Comparative policies of two national dental associations: Norway and the United States. Heløe LA. **J Public Health Policy** 1991 Summer;12(2):209–28 (32 ref.)

SOCIETIES, MEDICAL

Undergraduate teaching project of the American gastroenterological Association: a pathophysiology resource. Hofmann AF, et al. **Am J Physiol** 1991 Jun;260(6 Pt 3):S1–5 (1 ref.)
Current role of catheter ablative procedures in patients with cardiac arrhythmias. A report for health professionals from the Subcommittee on Electrocardiography and Electrophysiology, American Heart Association. Scheinman MM, et al. **Circulation** 1991 Jun;83(6):2146–53 (58 ref.)
Medicare reimbursement for geriatric assessment: report of the American Geriatrics Society Ad Hoc Committee on Geriatrics Assessment. Rubenstein LZ, et al. **J Am Geriatr Soc** 1991 Sep;39(9):926–31 (17 ref.)
Procurement, banking and decontamination of bone and collagenous tissue allografts: guidelines for infection control. Angermann P, et al. **J Hosp Infect** 1991 Mar; 17(3):159–69 (83 ref.)
The competitive marketplace for research funding. Kopple JD. **JPEN J Parenter Enteral Nutr** 1991 Jul–Aug; 15(4):363–70 (22 ref.)
[Disorders of the innervation of the large intestine—classification and diagnosis. Results of a consensus conference of the Society of Gastroenteropathology 1 December 1990 in Frankfurt/Main] Borchard F, et al. **Pathologe** 1991 May; 12(3):171–4 (10 ref.) **(Ger)**

HISTORY

The embryo comes of age: the first decade of the Fertility Society of Australia. Johnston I, et al. **Aust N Z J Obstet Gynaecol** 1991 Feb;31(1):55–7 (2 ref.)
[Ideas of the Chamber of Medicine, 1932–1935] Hegedüs K. **Orv Hetil** 1991 May 5;132(18):983–6 (16 ref.) **(Hun)**
[The protracted history of the founding of the Hungarian Chamber of Medicine] Szállási A. **Orv Hetil** 1991 May 5; 132(18):981–3 (15 ref.) **(Hun)**

SOCIETIES, NURSING

ORGANIZATION & ADMINISTRATION

An opinion piece: the consensus conference. Felton G. **J Prof Nurs** 1991 May–Jun;7(3):184–7 (4 ref.)

SOCIOECONOMIC FACTORS

Biomedical and social considerations on the AIDS pandemic and associated tumors. Giraldo G. **Antibiot Chemother** 1991;43:272–5 (0 ref.)
Weaning in European and Latin American countries. Casado de Frias E, et al. **Beitr Infusionther** 1991;27:1–14 (34 ref.)
The ecology of child abuse and neglect: review of the literature and presentation of data. Žuravin SJ. **Violence Vict** 1989 Summer;4(2):101–20 (55 ref.)

SOCIOECONOMIC STATUS see **SOCIAL CLASS**

SOCIOLOGY

see related
GROUP PROCESSES

Sociological studies of the role of the chiropractor: an exercise in ideological hegemony? Coulter ID. **J Manipulative Physiol Ther** 1991 Jan;14(1):51–8 (34 ref.)

SOCIOLOGY, MEDICAL

Risks and benefits of a family systems approach to medical care. Baird MA, et al. **Fam Med** 1990 Sep–Oct; 22(5):396–403 (53 ref.)
Lyme disease: the social construction of a new disease and its social consequences. Aronowitz RA. **Milbank Q** 1991; 69(1):79–112 (71 ref.)
Bringing social structure back into clinical decision making. Clark JA, et al. **Soc Sci Med** 1991;32(8):853–66 (162 ref.)

HISTORY

A critical historical analysis of the medical construction of lesbianism. Stevens PE, et al. **Int J Health Serv** 1991; 21(2):291–307 (170 ref.)

SOCIOPATHIC PERSONALITY see **ANTISOCIAL PERSONALITY DISORDER**

SODIUM

see related
HYPERNATREMIA
HYPONATREMIA
NATRIURESIS

ADMINISTRATION & DOSAGE

On the waterfront: predictive and reactive regulatory descriptions of thirst and sodium appetite. Rowland NE. **Physiol Behav** 1990 Dec;48(6):899–903 (29 ref.)
Sodium bicarbonate ingestion and exercise performance. An update. Linderman J, et al. **Sports Med** 1991 Feb;11(2):71–7 (30 ref.)
[Current perspectives in the diagnosis and treatment of acidosis in resuscitation] Koster RW, et al. **Ned Tijdschr Geneeskd** 1990 Nov 10;134(45):2175–8 (20 ref.) **(Dut)**

ADVERSE EFFECTS

Nonprescription drugs and hypertension. Which ones affect blood pressure? Bradley JG. **Postgrad Med** 1991 May 1; 89(6):195–7, 201–2 (32 ref.)

BLOOD

[The circulatory system and hydrosodium volumes in chronic uremia] Cannella G. **G Ital Cardiol** 1990 May;20(5):438–48 (54 ref.) **(Ita)**
[Sodium, potassium, calcium in chronic renal insufficiency] Locatelli F, et al. **G Ital Cardiol** 1990 May;20(5):449–62 (85 ref.) **(Ita)**

METABOLISM

Regulation of proximal tubule sodium reabsorption by angiotensin II (AII) and atrial natriuretic factor (ANF). Harris PJ, et al. **Acta Physiol Scand Suppl** 1990;591:63–5 (24 ref.)
Observations and influences on sodium sensitivity of blood pressure in humans. Luft FC, et al. **Adv Nephrol Necker Hosp** 1991;20:237–45 (66 ref.)
Structure and modulation of voltage-sensitive sodium and calcium channels. Catterall WA, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:30–5 (29 ref.)
Sodium–calcium interactions and salt-sensitive hypertension. Kurtz TW, et al. **Am J Hypertens** 1990 Aug;3(8 Pt 2):152S–155S (28 ref.)
Cellular magnesium and Na/Mg exchange in heart cells. Murphy E, et al. **Annu Rev Physiol** 1991;53:273–87 (83 ref.)
Sodium cotransport in vascular smooth muscle cells. O'Donnell ME, et al. **Blood Vessels** 1991;28(1–3):138–46 (27 ref.)
Atrial natriuretic peptide (ANP) as a neuropeptide: interaction with angiotensin II on volume control and renal sodium handling. Unger T, et al. **Br J Clin Pharmacol** 1990; 30 Suppl 1:83S–88S (35 ref.)
Regulation and interaction of intracellular calcium, sodium and hydrogen ions in cardiac muscle. MacLeod KT. **Cardioscience** 1991 Jun;2(2):71–85 (109 ref.)
Essential hypertension in blacks: epidemiology, characteristics, and possible roles of racial differences in sodium, potassium, and calcium regulation. Aviv A, et al. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:335–42 (112 ref.)
Typology of Na+ transport abnormalities in erythrocytes from essential hypertensive patients. A first step towards the diagnosis and specific treatment of different forms of primary hypertension. Garay R. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:373–8 (25 ref.)
Digitalislike circulating factor in hypertension: potential messenger between salt balance and intracellular sodium. Haddy FJ. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:343–9 (65 ref.)
A study of urinary and intracellular sodium and potassium, renin, aldosterone, and hypertension in blacks and Indians in Natal. Hoosen S, et al. **Cardiovasc Drugs Ther** 1990 Mar; 4 Suppl 2:363–5 (23 ref.)
Erythrocyte concentrations and transmembrane fluxes of sodium and potassium in essential hypertension: role of intrinsic and environmental factors. Lijnen P, et al. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:321–33 (113 ref.)
Nifedipine and hypertension: roles of vasodilation and sodium balance. MacGregor GA. **Cardiovasc Drugs Ther** 1989 Jun; 3 Suppl 1:295–301 (30 ref.)
Sodium transport inhibitors in pregnancy-induced hypertension. Poston L. **Cardiovasc Drugs Ther** 1990 Mar; 4 Suppl 2:351–6 (42 ref.)
Diuretics and cation transport in hypertensive blacks. Quintanilla AP, et al. **Cardiovasc Drugs Ther** 1990 Mar;4 Suppl 2:383–7 (52 ref.)
Ionic mechanisms regulating sodium entry into vascular smooth muscle. Bobik A, et al. **Clin Exp Pharmacol Physiol** 1991 Feb;18(2):117–20 (27 ref.)
Cation antiporters. Khananshvili D. **Curr Opin Cell Biol** 1990 Aug;2(4):731–4 (17 ref.)
Na(+)–Ca2+ exchanger: the elusive protein. Rahamimoff H. **Curr Top Cell Regul** 1990;31:241–71 (105 ref.)
Na+ transport in hypertension. Hilton PJ. **Diabetes Care** 1991 Mar;14(3):233–9 (48 ref.)
Neurovascular mechanisms and sodium balance in the pathogenesis of hypertension. Brum JM, et al. **Hypertension** 1991 Jan;17(1 Suppl):I45–51 (55 ref.)
Membrane sodium transport and salt sensitivity of blood pressure. Weder AB. **Hypertension** 1991 Jan;17(1 Suppl):I74–80 (51 ref.)
Regulation of the abundance of sodium pumps in isolated

animal cells. Lamb JF. **Int J Biochem** 1990;22(12):1365–70 (30 ref.)
Comparative analysis of electrogenic sodium transport in vertebrate large intestine. Clauss W, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):373–82 (55 ref.)
Salt appetite, body sodium, handling of a NaCl load, renin, and aldosterone in genetically and spontaneously hypertensive rats. Ledingham JM, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S6–8 (10 ref.)
The control of body sodium in relation to hypertension: exploring the Strauss concept. Simpson FO. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S27–30 (18 ref.)
Hypertension in the course of insulin dependent diabetes mellitus and its pathogenetic mechanisms. Feldt-Rasmussen B, et al. **J Diabetic Complications** 1990 Apr–Jun;4(2):60–2 (26 ref.)
Genetic aspects of ion transport systems in hypertension. Bianchi G, et al. **J Hypertens Suppl** 1990 Dec;8(7):S213–8 (52 ref.)
Sodium and potassium transport by the collecting duct. Stokes JB. **Kidney Int** 1990 Oct;38(4):679–86 (77 ref.)
The Na(+)-motive respiratory chain of marine bacteria. Tokuda H, et al. **Microbiol Sci** 1985;2(3):65–6, 69–71 (27 ref.)
Salt and the newborn kidney. Haycock GB, et al. **Pediatr Nephrol** 1991 Jan;5(1):65–70 (58 ref.)
Intrinsic regulation of apical sodium entry in epithelia. Turnheim K. **Physiol Rev** 1991 Apr;71(2):429–45 (228 ref.)
The sodium pump and other mechanisms of thermogenesis in selected tissues. Kelly JM, et al. **Proc Nutr Soc** 1990 Jul;49(2):185–202 (119 ref.)
Na–Ca or Na–Ca–K exchange in rod photoreceptors. Schnetkamp PP. **Prog Biophys Mol Biol** 1989;54(1):1–29 (70 ref.)
Angiotensin II and proximal tubule sodium transport. Yanagawa N. **Renal Physiol Biochem** 1991 Jul–Oct; 14(4–5):208–15 (29 ref.)
A review of 23Na nuclear magnetic resonance spectroscopy for the in vitro study of cellular sodium metabolism. Nissen H, et al. **Scand J Clin Lab Invest** 1990 Sep;50(5):497–507 (38 ref.)
Adrenergic receptors and catecholamine effects on sodium transport in the mammalian nephron. Cohen HT, et al. **Semin Nephrol** 1991 Mar;11(2):110–9 (123 ref.)
Regulation of cell pH and sodium transport in inner medullary collecting duct. Kleinman JG. **Semin Nephrol** 1991 Jan;11(1):55–64 (52 ref.)
Regulation of proximal reabsorption by effective arterial blood volume. Seldin DW, et al. **Semin Nephrol** 1991 Mar; 11(2):212–9 (71 ref.)
Posttranslational modifications and intracellular transport of sodium pumps: importance of subunit assembly. Geering K. **Soc Gen Physiol Ser** 1991;46:31–43 (49 ref.)
Conformational transitions in the alpha-subunit and ion occlusion. Jørgensen PL. **Soc Gen Physiol Ser** 1991; 46:189–200 (25 ref.)
Signal pathway of Na+ in fused renal epithelial cells. Oberleithner H. **Toxicol Lett** 1990 Sep;53(1–2):13–7 (7 ref.)
[Na–K–Cl cotransport system in red blood cells] Jin Y. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):43–7 (30 ref.) **(Chi)**
[Cellular metabolism of sodium and hypertension] Cusi D, et al. **Ann Ital Med Int** 1989 Jan–Mar;4(1):48–61 (59 ref.) (Eng. Abstr.) **(Ita)**

PHARMACOKINETICS

Cellular model of proximal tubule NaCl and NaHCO3 absorption. Moe OW, et al. **Kidney Int** 1990 Oct; 38(4):605–11 (90 ref.)
Factors governing sodium and chloride transport across the inner medullary collecting duct. Rocha AS, et al. **Kidney Int** 1990 Oct;38(4):654–67 (80 ref.)
Studies of terminal differentiation of electrolyte transport in the renal proximal tubule using short-term primary cultures. Larsson SH, et al. **Pediatr Nephrol** 1989 Jul; 3(3):363–8 (45 ref.)
The red cell Na/K pump reaction cycle: ligand signal sites and Na coupled anion transport. Hoffman JF, et al. **Soc Gen Physiol Ser** 1991;46:281–8 (24 ref.)
Architecture of the sodium pump molecule: probing the folding of the hydrophobic domain. Modyanov N, et al. **Soc Gen Physiol Ser** 1991;46:99–115 (50 ref.)
[Ion and water transport in human large intestine in the normal state and pathology] Loginov AS, et al. **Klin Med (Mosk)** 1990 Sep;68(9):28–31 (36 ref.) **(Rus)**

PHARMACOLOGY

Methodology of sodium sensitivity assessment. The example of age and sex. Grobbee DE. **Hypertension** 1991 Jan;17(1 Suppl):I109–14 (46 ref.)
Relation between sodium intake, renal function, and the regulation of arterial pressure. Osborn JL. **Hypertension** 1991 Jan;17(1 Suppl):I91–6 (26 ref.)
Non-modulating hypertension. A subset of sodium-sensitive hypertension. Williams GH, et al. **Hypertension** 1991 Jan; 17(1 Suppl):I81–5 (29 ref.)
[Gastrin, insulin and glucagon secretion after cimetidine and sodium hydrocarbonate intake in patients with duodenal ulcer] Valenkevich LN, et al. **Klin Med (Mosk)** 1991 Mar; 69(3):91–3 (22 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Contribution of the tubuloglomerular feedback mechanism to sodium homeostasis and interaction with the renin–angiotensin system. Navar LG, et al. **Acta Physiol Scand Suppl** 1990;591:66–73 (27 ref.)
The role of sodium ion transport in Escherichia coli energetics. Dibrov PA. **Biochim Biophys Acta** 1991 Feb 8;1056(3):209–24 (156 ref.)
Clinical implementation of sodium modeling. A reappraisal. Petitclerc T, et al. **Contrib Nephrol** 1989;74:200–6 (17 ref.)
Central role of sodium in hypertension in diabetic subjects. Weidmann P, et al. **Diabetes Care** 1991 Mar;14(3):220–32 (122 ref.)
The Wellcome prize lecture. Intracellular sodium in cardiac muscle: effects on contraction. Eisner DA. **Exp Physiol** 1990 Jul;75(4):437–57 (51 ref.)
Bacterial energy transductions coupled to sodium ions. Dimroth P. **Res Microbiol** 1990 Mar–Apr;141(3):332–6 (19 ref.)

THERAPEUTIC USE

Indications for use of bicarbonate in patients with metabolic acidosis. Arieff AI. **Br J Anaesth** 1991 Aug;67(2):165–77 (105 ref.)

URINE

The tenuous relationship between atriopeptin and sodium excretion. Goetz KL. **Acta Physiol Scand Suppl** 1990; 591:88–96 (22 ref.)
Role of the renin–angiotensin system in control of sodium excretion and arterial pressure. Hall JE, et al. **Acta Physiol Scand Suppl** 1990;591:48–62 (36 ref.)
Is atrial natriuretic factor a physiological regulator of sodium excretion? A review of the evidence. Richards AM. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S39–42 (20 ref.)

SODIUM CHANNELS

CHEMISTRY

Holistic approaches to receptor and channel structure and dynamics. Kosower EM. **Biochem Soc Symp** 1990;57:49–64 (34 ref.)

DRUG EFFECTS

The ouabain-insensitive sodium pump. Proverbio F, et al. **Comp Biochem Physiol A** 1991;99(3):279–83 (52 ref.)
The amiloride-blockable sodium channel of epithelial tissue. Eaton DC, et al. **Ion Channels** 1988;1:251–82 (76 ref.)
Ca++ and Na+ channels involved in neuronal cell death. Protection by flunarizine. Pauwels PJ, et al. **Life Sci** 1991; 48(20):1881–93 (70 ref.)
The cardiac sodium channel: a target for antiarrhythmic drug action. Grant AO. **PACE** 1990 Nov;13(11 Pt 2):1541–52 (70 ref.)
The action of toxins on the voltage-gated sodium channel. Janiszewski L. **Pol J Pharmacol Pharm** 1990 Nov–Dec; 42(6):581–8 (24 ref.)

METABOLISM

Epithelial Na+ channels. Smith PR, et al. **Annu Rev Physiol** 1991;53:509–30 (100 ref.)
On the voltage dependence of inactivation in the sodium channel of the squid giant axon. Keynes RD. **Proc R Soc Lond [Biol]** 1991 Jan 22;243(1306):47–53 (32 ref.)

PHYSIOLOGY

Voltage-sensitive sodium channels: agents that perturb inactivation gating. Agnew WS, et al. **Ann N Y Acad Sci** 1991;625:200–23 (60 ref.)
Role of inactivation in local anesthetic action. Khodorov BI. **Ann N Y Acad Sci** 1991;625:224–48 (67 ref.)
Denis Haydon F.R.S., cell excitability and spirits of port. A commentary on the interaction of homologous series of alkanols with sodium channels. Requena J. **Ann N Y Acad Sci** 1991;625:318–26 (21 ref.)
Molecular models of anesthetic action on sodium channels, including those from human brain. Urban BW, et al. **Ann N Y Acad Sci** 1991;625:327–43 (40 ref.)
The role of nonprotein domains in the function and synthesis of voltage-gated sodium channels. Levinson SR, et al. **Ion Channels** 1990;2:33–64 (48 ref.)
The inactivation of sodium channels in the node of Ranvier and its chemical modification. Ulbricht W. **Ion Channels** 1990;2:123–68 (221 ref.)

ULTRASTRUCTURE

Structure and modulation of voltage-sensitive sodium and calcium channels. Catterall WA, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:30–5 (29 ref.)

SODIUM CHLORIDE

see related
DIET, SODIUM-RESTRICTED

Sympathetic neural contribution to salt-induced hypertension in Dahl rats. Mark AL. **Hypertension** 1991 Jan;17(1 Suppl):I86–90 (39 ref.)
Salt and hypertension. Lessons from animal models that relate to human hypertension. Tobian L. **Hypertension** 1991 Jan; 17(1 Suppl):I52–8 (25 ref.)

ADVERSE EFFECTS

Hypertension after Intersalt: prospects for prevention. Beard TC. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S31–4 (25 ref.)
A salt–hypertension hypothesis. Beard TC. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S35–8 (47 ref.)

METABOLISM

Left ventricular mass index and diastolic filling. Relation to blood pressure and demographic variables in a healthy biracial sample. Hinderliter AL, et al. **Am J Hypertens** 1991 Jul;4(7 Pt 1):579–85 (50 ref.)
Blunted renal sodium excretion during acute saline loading in normotensive men with positive family histories of hypertension. Widgren BR, et al. **Am J Hypertens** 1991 Jul;4(7 Pt 1):570–8 (60 ref.)
Clinical interaction of salt and weight change on blood pressure level. Prineas RJ. **Hypertension** 1991 Jan;17(1 Suppl):I143–9 (36 ref.)
Role of salt in the control of blood pressure in obesity and diabetes mellitus. Tuck ML. **Hypertension** 1991 Jan;17(1 Suppl):I135–42 (104 ref.)
Ion channel regulation in the thick ascending limb of the loop of Henle. Greger R, et al. **Kidney Int Suppl** 1991 Jul; 33:S119–24 (45 ref.)
Haloadaptation: salt sensing and cell–envelope changes. Russell NJ, et al. **Microbiol Sci** 1985 Nov;2(11):345–50 (39 ref.)

PHARMACOKINETICS

Cellular model of proximal tubule NaCl and NaHCO3 absorption. Moe OW, et al. **Kidney Int** 1990 Oct; 38(4):605–11 (90 ref.)
Mechanism of proximal NaCl reabsorption in the proximal tubule of the mammalian kidney. Berry CA, et al. **Semin Nephrol** 1991 Mar;11(2):86–97 (86 ref.)

PHARMACOLOGY

Observational studies of salt and blood pressure. Elliott P. **Hypertension** 1991 Jan;17(1 Suppl):I3–8 (67 ref.)
Racial and ethnic modifiers of the salt–blood pressure response. Flack JM, et al. **Hypertension** 1991 Jan;17(1 Suppl):I115–21 (48 ref.)
Salt sensitivity. Definition, conception, methodology, and long-term issues. Sullivan JM. **Hypertension** 1991 Jan;17(1 Suppl):I61–8 (58 ref.)
Membrane sodium transport and salt sensitivity of blood pressure. Weder AB. **Hypertension** 1991 Jan;17(1 Suppl):I74–80 (51 ref.)
Salt appetite, body sodium, handling of a NaCl load, renin, and aldosterone in genetically and spontaneously hypertensive rats. Ledingham JM, et al. **J Cardiovasc Pharmacol** 1990;16 Suppl 7:S6–8 (10 ref.)
The renal transport of taurine and the regulation of renal sodium–chloride–dependent transporter activity. Chesney RW, et al. **Pediatr Nephrol** 1990 Jul;4(4):399–407 (37 ref.)

SODIUM CHLORIDE SOLUTION, HYPERTONIC see **SALINE SOLUTION, HYPERTONIC**

SODIUM CROMOGLYCATE see **DISODIUM CROMOGLYCATE**

SODIUM DEXTRAN SULFATE see **DEXTRAN SULFATE**

SODIUM, DIETARY

[Evaluation of dietary sodium intake in epidemiological studies: methods and problems] Zamboni S, et al. **G Ital Cardiol** 1990 Dec;20(12):1155–60 (35 ref.) **(Ita)**

ADMINISTRATION & DOSAGE

Sodium and potassium intakes in Ireland. Flynn A, et al. **Proc Nutr Soc** 1990 Jul;49(2):323–32 (55 ref.)

ADVERSE EFFECTS

Studies of salt intake in hypertension. What can epidemiology teach us? Swales JD. **Am J Hypertens** 1990 Aug;3(8 Pt 1):645–9 (24 ref.)
The primary role of the kidney and salt intake in the aetiology of essential hypertension: Part II [see comments] de Wardener HE. **Clin Sci** 1990 Oct;79(4):289–97 (135 ref.) Comment in: Clin Sci 1991 Apr;80(4):401–2.
[Iodine containing drugs and thyroid gland function. A diagnostic and therapeutic problem] Weissel M. **Acta Med Austriaca** 1991;18(1):6–11 (54 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Dietary, total body, and intracellular potassium–to–sodium ratios and their influence on cancer. Jansson B. **Cancer Detect Prev** 1990;14(5):563–5 (9 ref.)
The pathogenesis of hypertension: black–white differences. Blaustein MP, et al. **Cardiovasc Clin** 1991;21(3):97–114 (78

ref.)

PHARMACOLOGY

Peripheral neurohumoral factors and central control of homeostasis during altered sodium intake. Aguilera G. **Adv Exp Med Biol** 1990;274:227–42 (51 ref.)
Relationship between dietary cations and blood pressure. Kesteloot H. **Ann Nutr Metab** 1991;35 Suppl 1:109–18 (13 ref.)
Beta-adrenoceptor responsiveness in hypertension: effects of dietary NaCl intake. Feldman RD. **Br J Clin Pharmacol** 1990;30 Suppl 1:55S–60S (27 ref.)

POISONING

Fatal hypernatremia from exogenous salt intake: report of a case and review of the literature [published erratum appears in Mayo Clin Proc 1991 Apr;66(4):439] [see comments] Moder KG, et al. **Mayo Clin Proc** 1990 Dec; 65(12):1587–94 (30 ref.) Comment in: Mayo Clin Proc 1991 Apr;66(4):438–9.

THERAPEUTIC USE

Sodium loading treatment for amphotericin B-induced nephrotoxicity. Gardner ML, et al. **DICP** 1990 Oct; 24(10):940–6 (26 ref.)

SODIUM ETIDRONATE

THERAPEUTIC USE

Etidronate for hypercalcemia of malignancy and osteoporosis. Horowitz E, et al. **Am Fam Physician** 1991 Jun;43(6):2155–9 (13 ref.)
Bisphosphonate therapy for osteoporosis. Attie MF. **Hosp Pract [Off]** 1991 Mar 30;26(3A):87–90 (4 ref.)

SODIUM-GLUCOSE TRANSPORT SYSTEM see **MONOSACCHARIDE TRANSPORT PROTEINS**

SODIUM GLUTAMATE

ADVERSE EFFECTS

MSG and hydrolyzed vegetable protein induced headache: review and case studies. Scopp AL. **Headache** 1991 Feb; 31(2):107–10 (23 ref.)

SODIUM NITROPRUSSIDE see **NITROPRUSSIDE**

SODIUM, POTASSIUM ADENOSINE TRIPHOSPHATASE see **ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM**

SODIUM, POTASSIUM ATPASE see **ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM**

SODIUM VALPROATE see **VALPROIC ACID**

SOFT CONTACT LENSES see **CONTACT LENSES, HYDROPHILIC**

SOFT TISSUE NEOPLASMS

Soft tissue tumours of the hand. Rayner CR. **J Hand Surg [Br]** 1991 May;16(2):125–6 (2 ref.)
[Epithelioid sarcoma. Immunohistochemical study. Therapy with recombinant alfa interferon] Porta J, et al. **Med Cutan Ibero Lat Am** 1990;18(3):191–6 (20 ref.) (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Phenoxyacetic acid herbicides and chlorophenols and the etiology of lymphoma and soft-tissue neoplasms. Kelly SJ, et al. **Public Health Rev** 1989–90;17(1):1–37 (89 ref.)

COMPLICATIONS

Crow-Fukase syndrome associated with extramedullary plasmacytoma. Shirabe S, et al. **Jpn J Med** 1991 Jan–Feb; 30(1):64–6 (11 ref.)

CONGENITAL

Cytogenetic analysis of a congenital fibrosarcoma. Adam LR, et al. **Cancer Genet Cytogenet** 1991 Mar;52(1):37–41 (21 ref.)

DIAGNOSIS

Diagnosis and management of retroperitoneal soft-tissue sarcoma. Storm FK, et al. **Ann Surg** 1991 Jul;214(1):2–10 (15 ref.)
Treatment of soft tissue sarcomas. Diagnostic imaging. Golding RP, et al. **Cancer Treat Res** 1989;44:23–37 (74 ref.)
Imaging the soft tissues of the neck: non-nodal acquired disease. Swartz JD, et al. **Crit Rev Diagn Imaging** 1991; 31(3–4):471–547 (57 ref.)
Compartment syndrome as a presentation of non-Hodgkin's lymphoma. Southworth SR, et al. **J Orthop Trauma** 1990; 4(4):470–3 (22 ref.)
An infantile case of infiltrating lipoma in the buttock. Kubota M, et al. **J Pediatr Surg** 1991 Feb;26(2):230–2 (16 ref.)
Imaging of musculoskeletal tumors. Manaster BJ, et al. **Semin Oncol** 1991 Apr;18(2):140–9 (28 ref.)
Magnetic resonance appearance of fibromatosis. A report of 14 cases and review of the literature. Kransdorf MJ, et al. **Skeletal Radiol** 1990;19(7):495–9 (14 ref.)
[The differential diagnosis of malignant soft tissue tumors: pyomyositis] Ahrens P, et al. **Aktuelle Radiol** 1991 Jan; 1(1):40–2 (8 ref.) (Eng. Abstr.) **(Ger)**
[Tumors of the parapharyngeal space. Topographical anatomy, diagnosis, therapy, literature review] Kehrl W, et al. **Laryngorhinootologie** 1990 Oct;69(10):527–32 (26 ref.) (Eng. Abstr.) **(Ger)**
[Tumors of the adipose tissue during 10 years of diagnostic activities (1979–1988)] Grandi E, et al. **Pathologica** 1990 May–Jun;82(1079):217–56 (64 ref.) (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Megatherapy for soft tissue sarcomas. EBMT experience. Pinkerton CR. **Bone Marrow Transplant** 1991;7 Suppl 3:120–2 (12 ref.)
Chemotherapy for metastatic soft tissue sarcomas—another full circle? [editorial] Bramwell VH. **Br J Cancer** 1991 Jul; 64(1):7–9 (42 ref.)
Adjuvant chemotherapy for soft tissue sarcomas. Bramwell VH. **Cancer Treat Res** 1989;44:93–102 (21 ref.)
Preoperative intra-arterial chemotherapy. Huth JF, et al. **Cancer Treat Res** 1989;44:103–10 (33 ref.)
Chemotherapy in advanced soft tissue sarcomas. Verweij J, et al. **Cancer Treat Res** 1989;44:75–92 (76 ref.)
Chemotherapy for children with aggressive fibromatosis and Langerhans' cell histiocytosis. Raney RB Jr. **Clin Orthop** 1991 Jan;(262):58–63 (39 ref.)
Chemotherapy for bone and soft-tissue sarcomas of the extremities. Yasko AW, et al. **J Bone Joint Surg [Am]** 1991 Sep;73(8):1263–71 (122 ref.)
Retropharyngeal synovial sarcoma in an infant: report of a case and of its response to chemotherapy; review of the literature. Lenoir P, et al. **Pediatr Hematol Oncol** 1991 Jan–Mar;8(1):45–52 (28 ref.)

ETIOLOGY

[Angiosarcoma after total knee prosthesis. Apropos of a case] Himmer O, et al. **Rev Chir Orthop** 1991;77(2):125–9 (51 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Cytogenetic analysis of a congenital fibrosarcoma. Adam LR, et al. **Cancer Genet Cytogenet** 1991 Mar;52(1):37–41 (21 ref.)
Soft tissue tumours: the genetic basis of development. Cooper CS, et al. **Carcinogenesis** 1991 Feb;12(2):155–65 (182 ref.)

MORTALITY

Influence of local recurrence on survival: a controversy reviewed from the perspective of soft tissue sarcoma. Barr LC, et al. **Br J Surg** 1991 Jun;78(6):648–50 (24 ref.)

NURSING

The nursing role in limb salvage surgery. Piasecki PA. **Nurs Clin North Am** 1991 Mar;26(1):33–41 (16 ref.)

PATHOLOGY

Pathology of soft tissue sarcomas. Selected current issues. Enjoji M, et al. **Acta Pathol Jpn** 1990 Dec;40(12):863–70 (57 ref.)
Heffalumps, jagulars, and cheshire cats. A commentary on cytokeratins and soft tissue sarcomas. Swanson PE. **Am J Clin Pathol** 1991 Apr;95(4 Suppl 1):S2–7 (49 ref.)
Extraskeletal chondromas. Marcial-Seoane RA, et al. **Bol Asoc Med P R** 1990 Sep;82(9):394–402 (22 ref.)
Sarcomas of soft tissue and bone. Mazanet R, et al. **Cancer** 1991 Aug 1;68(3):463–73 (115 ref.)
Musculoskeletal tumor staging: 1988 update. Enneking WF. **Cancer Treat Res** 1989;44:39–49 (11 ref.)
Soft tissue tumors. Matsuno T, et al. **Curr Opin Rheumatol** 1990 Feb;2(1):115–9 (21 ref.)
Extraskeletal Ewing's sarcoma. Presentation of two cases and review of the literature. Pavlidis NA, et al. **Eur J Surg Oncol** 1991 Jun;17(3):308–12 (12 ref.)
Leiomyosarcoma of the buttock. Landry MM, et al. **J Am Acad Dermatol** 1991 Apr;24(4):618–20 (16 ref.)
Retroperitoneal soft tissue sarcomas: a review of the literature. Van Dam PA, et al. **Obstet Gynecol Surv** 1990 Oct;45(10):670–82 (160 ref.)
"Dedifferentiation" in bone and soft-tissue tumors. A histological indicator of tumor progression. Meis JM. **Pathol Annu** 1991;26 Pt 1:37–62 (53 ref.)
Soft tissue neoplasma of the mediastinum. Swanson PE. **Semin Diagn Pathol** 1991 Feb;8(1):14–34 (200 ref.)
Primary and secondary spinal epidural extraskeletal Ewing's sarcoma. Report of two cases and review of the literature. Benmeir P, et al. **Spine** 1991 Feb;16(2):224–7 (32 ref.)
[Progress in the pathology of soft part tumors] Liu ZJ. **Chung-hua Ping Li Hsueh Tsa Chih** 1990 Sep;19(3):161–4 (24 ref.) **(Chi)**
[Neuromuscular hamartoma] Boman F, et al. **Ann Pathol** 1991;11(1):36–41 (10 ref.) (Eng. Abstr.) **(Fre)**
[Tumors of the adipose tissue during 10 years of diagnostic activities (1979–1988)] Grandi E, et al. **Pathologica** 1990 May–Jun;82(1079):217–56 (64 ref.) (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

The radiological assessment of adults with soft tissue sarcoma. Williams MP. **Clin Oncol (R Coll Radiol)** 1990 Jan;2(1):46–51 (14 ref.)
[Hemangiopericytoma. Apropos of a case] Buchon R, et al. **Ann Radiol (Paris)** 1990;33(2):114–9 (17 ref.) (Eng. Abstr.) **(Fre)**
[Tenosynovial giant cell tumor in the differential diagnosis of painful heel] Sager M, et al. **Schweiz Rundsch Med Prax** 1990 Oct 2;79(40):1175–9 (28 ref.) (Eng. Abstr.) **(Ger)**
[Radiodiagnosis and radiotherapy of hemangiopericytoma (review of literature)] Mikelova LV, et al. **Vestn Rentgenol Radiol** 1991 Mar–Apr;(2):82–6 (76 ref.) **(Rus)**

RADIOTHERAPY

The role for radiation therapy in the management of patients with sarcoma of soft tissue in 1988. Suit HD. **Cancer Treat Res** 1989;44:65–74 (35 ref.)
The place of chemotherapy in the management of soft tissue sarcoma: experiences of the EORTC Soft Tissue and Bone Sarcoma Group. Blackledge G, et al. **Clin Oncol (R Coll Radiol)** 1989 Nov;1(2):106–9 (23 ref.)
The George Edelstyn memorial lecture: radiation in the management of malignant soft tissue tumours. Suit HD. **Clin Oncol (R Coll Radiol)** 1989 Sep;1(1):5–10 (20 ref.)
Combined brachytherapy and external beam radiation in soft tissue sarcomas. Salvi G, et al. **Rays** 1991 Jan–Mar; 16(1):92–6 (17 ref.) **(Eng, Ita)**

SECONDARY

[Distal metastases of bronchial cancers. Bone and soft tissue metastases] Letanche G, et al. **Bull Cancer (Paris)** 1990; 77(10):1025–30 (16 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Dermatofibrosarcoma protuberans of the toe. Kraemer BA, et al. **Ann Plast Surg** 1990 Oct;25(4):295–8 (45 ref.)
Surgery of soft tissue sarcomas. Westbury G. **Cancer Treat Res** 1989;44:51–64 (43 ref.)
Surgery in the management of soft tissue sarcoma. Westbury G. **Clin Oncol (R Coll Radiol)** 1989 Nov;1(2):101–5 (14 ref.)
Current management of soft tissue sarcomas. Edwards MJ. **J Ky Med Assoc** 1990 Sep;88(9):497–503 (11 ref.)
The nursing role in limb salvage surgery. Piasecki PA. **Nurs Clin North Am** 1991 Mar;26(1):33–41 (16 ref.)
Resection and reconstruction for soft-tissue sarcomas of the extremity. Jaffe KA, et al. **Orthop Clin North Am** 1991 Jan;22(1):161–76 (88 ref.)
Elastofibroma dorsi: report of two cases and literature review. Brown GW. **Wis Med J** 1991 Jun;90(6):281–4 (12 ref.)

THERAPY

Soft tissue sarcomas of the extremity and retroperitoneum: advances in management. Sondak VK, et al. **Adv Surg** 1991; 24:333–59 (55 ref.)
Soft tissue and bone sarcomas. Santoro A, et al. **Cancer Chemother Biol Response Modif** 1990;11:544–54 (50 ref.)
Pediatric soft tissue sarcomas. Goren MP, et al. **Curr Opin Oncol** 1990 Jun;2(3):481–5 (18 ref.)
Management of extremity soft tissue sarcoma. Miles Lecture. 1988. Brennan MF. **Eur J Surg Oncol** 1990 Dec; 16(6):520–31 (32 ref.)
Adjuvant therapy for adult patients with soft tissue sarcomas. Delaney TF, et al. **Oncology (Williston Park)** 1991 Jun; 5(6):105–18; discussion 118, 120, 123–4 (53 ref.)
Management of soft tissue sarcomas of the extremities. Kraybill WG, et al. **Surgery** 1991 Mar;109(3 Pt 1):233–5 (15 ref.)

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of soft tissues. Greaves P, et al. **IARC Sci Publ** 1990;(99):597–623 (106 ref.)

SOFTWARE

Nucleic acid sequence analysis software for microcomputers. Cannon G. **Anal Biochem** 1990 Nov 1;190(2):147–53 (6 ref.)
Artificial neural networks and their use in quantitative pathology. Dytch HE, et al. **Anal Quant Cytol Histol** 1990 Dec;12(6):379–93 (28 ref.)
The present status of cardiac pacing. Furman S. **Herz** 1991 Jun;16(3):171–81 (34 ref.)
MULTI: a shared memory approach to cooperative molecular modeling. Darden T, et al. **J Mol Graph** 1991 Mar;9(1):18–23, 35 (11 ref.)
An affordable approach to interactive desktop molecular modeling. Ferrin TE, et al. **J Mol Graph** 1991 Mar; 9(1):27–32, 37–8 (26 ref.)
Ration formulation using linear programming. VandeHaar MJ, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul; 7(2):541–56 (3 ref.)
[Which programmable functions of pacemakers are available, and what is their clinical relevance?] Jung W, et al. **Herz** 1991 Jun;16(3):158–70 (56 ref.) (Eng. Abstr.) **(Ger)**
[Action and reaction elements as performance-modifying

components of computer use in clinical psychology] Weber P, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Dec; 42(12):755–60 (5 ref.) (Eng. Abstr.) **(Ger)**

SOFTWARE ENGINEERING see **SOFTWARE**

SOFTWARE TOOLS see **SOFTWARE**

SOIL

STANDARDS

[Soil hygiene after irrigation of agricultural fields with sewage water containing surface-active substances (review of the literature)] Mudryl IV. **Gig Sanit** 1990 Aug;(8):27–30 (34 ref.) **(Rus)**

SOIL MICROBIOLOGY

Soil and groundwater transport of microorganisms. Berry DF, et al. **Biotechnology** 1991;15:57–73 (84 ref.)

Factors affecting the transfer of genetic information among microorganisms in soil. Stotzky G, et al. **Biotechnology** 1991;15:95–122 (101 ref.)

Microbial degradation of hydrocarbons in the environment. Leahy JG, et al. **Microbiol Rev** 1990 Sep;54(3):305–15 (157 ref.)

Dissimilatory Fe(III) and Mn(IV) reduction. Lovley DR. **Microbiol Rev** 1991 Jun;55(2):259–87 (342 ref.)

Physiology of soil oligotrophic bacteria. Hattori T. **Microbiol Sci** 1984 Jul;1(4):102–4 (12 ref.)

Mycobacteria in the environment. Jenkins PA. **Soc Appl Bacteriol Symp Ser** 1991;20:137S–141S (15 ref.)

The monitoring and detection of Bacillus anthracis in the environment. Titball RW, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:9S–18S (52 ref.)

Aquatic and terrestrial bacteria in diving environments: monitoring and significance. Joseph SW, et al. **Undersea Biomed Res** 1991 May;18(3):187–91 (16 ref.)

Environmental aspects of Campylobacter infections. Stelzer W, et al. **Zentralbl Mikrobiol** 1991;146(1):3–15 (51 ref.)

SOIL POLLUTANTS

The behaviour of heavy metals in sewage sludge-amended soils. Alloway BJ, et al. **Sci Total Environ** 1991 Mar;100 Spec No:151–76 (132 ref.)

ANALYSIS

The case for a cause–effect linkage between environmental contamination and development in eggs of the common snapping turtle (Chelydra S.serpentina) from Ontario, Canada. Bishop CA, et al. **J Toxicol Environ Health** 1991 Aug;33(4):521–47 (54 ref.)

Assessment of the human health risks posed by exposure to chromium-contaminated soils. Sheehan PJ, et al. **J Toxicol Environ Health** 1991 Feb;32(2):161–201 (163 ref.)

[Polychlorinated dibenzodioxins and dibenzofurans in water, sediment and soil. A general overview of the pollution status] Christmann W. **Schriftenr Ver Wasser Boden Lufthyg** 1990;82:71–82 (9 ref.) **(Ger)**

PHARMACOKINETICS

Dermal uptake of organic chemicals from a soil matrix. McKone TE. **Risk Anal** 1990 Sep;10(3):407–19 (32 ref.)

TOXICITY

[Environmental health related evaluation of halogenated organic compounds] Dieter HH. **Schriftenr Ver Wasser Boden Lufthyg** 1990;82:23–36 (23 ref.) **(Ger)**

[The toxicity of several polychlorinated hydrocarbons] Krowke R. **Schriftenr Ver Wasser Boden Lufthyg** 1990; 82:9–21 (24 ref.) **(Ger)**

[Pollution of soil and ground water by volatile halogenated hydrocarbons caused by environmental accidents in South Hessen] Toussaint B. **Schriftenr Ver Wasser Boden Lufthyg** 1990;82:139–69 (24 ref.) **(Ger)**

[Soil hygiene after irrigation of agricultural fields with sewage water containing surface-active substances (review of the literature)] Mudryl IV. **Gig Sanit** 1990 Aug;(8):27–30 (34 ref.) **(Rus)**

SOLANACEOUS ALKALOIDS

CHEMICAL SYNTHESIS

Chemical synthesis of bioactive polyamines from solanaceous plants. Thiengchanya A, et al. **Ciba Found Symp** 1990; 154:99–109; discussion 109–11 (15 ref.)

TOXICITY

Solanine (glycoalkaloids) in potatoes: toxicological evaluation. Slanina P. **Food Chem Toxicol** 1990 Nov; 28(11):759–61 (11 ref.)

Spirosolane-containing Solanum species and induction of congenital craniofacial malformations. Keeler RF, et al. **Toxicon** 1990;28(8):873–84 (27 ref.)

SOLANUM ALKALOIDS see **SOLANACEOUS ALKALOIDS**

SOLANUM TUBEROSUM see **POTATOES**

SOLAR AGING OF SKIN see **SKIN AGING**

SOLE see **FLATFISHES**

SOLUTIONS

CHEMISTRY

Application of scattering techniques in the domain of amphiphiles. Corti M, et al. **Adv Colloid Interface Sci** 1990 Aug;32(2–3):151–66 (23 ref.)

SOLUTIONS, HEMODIALYSIS see **HEMODIALYSIS SOLUTIONS**

SOLVENTS

Organic solvent and aerosol abuse. Miller NS, et al. **Am Fam Physician** 1991 Jul;44(1):183–9 (26 ref.)

Persisting neurotoxic consequences of solvent abuse: a developing animal model for toluene-induced neurotoxicity. Pryor GT. **NIDA Res Monogr** 1990; 101:156–66 (27 ref.)

ADVERSE EFFECTS

Solvent exposure and cardiovascular disease. Wilcosky TC, et al. **Am J Ind Med** 1991;19(5):569–86 (49 ref.)

Systemic sclerosis associated with cutaneous exposure to solvent: case report and review of the literature. Brasington RD Jr, et al. **Arthritis Rheum** 1991 May;34(5):631–3 (15 ref.)

Neurobehavioral effects of toxicity due to metals, solvents, and insecticides. White RF, et al. **Clin Neuropharmacol** 1990 Oct;13(5):392–412 (94 ref.)

Human solvent exposure. Factors influencing the pharmacokinetics and acute toxicity. Baelum J. **Pharmacol Toxicol** 1991;68 Suppl 1:1–36 (226 ref.)

[The use of 1,1,1-trichloroethane (methylchloroform) in industrial operations: the neurotoxicity risk] Fernicola C, et al. **Med Lav** 1991 Jan–Feb;82(1):38–49 (37 ref.) (Eng. Abstr.) **(Ita)**

[Physiological and environmental factors affecting biological monitoring of exposure to organic solvent vapors] Sato A, et al. **Sangyo Igaku** 1991 Jan;33(1):3–16 (78 ref.) (Eng. Abstr.) **(Jpn)**

METABOLISM

Halophilic proteins and the influence of solvent on protein stabilization. Zaccai G, et al. **Trends Biochem Sci** 1990 Sep; 15(9):333–7 (35 ref.)

PHARMACOKINETICS

Human solvent exposure. Factors influencing the pharmacokinetics and acute toxicity. Baelum J. **Pharmacol Toxicol** 1991;68 Suppl 1:1–36 (226 ref.)

PHARMACOLOGY

CNS depressant effects of volatile organic solvents. Evans EB, et al. **Neurosci Biobehav Rev** 1991 Summer; 15(2):233–41 (104 ref.)

Protein--solvent interactions in pharmaceutical formulations. Arakawa T, et al. **Pharm Res** 1991 Mar;8(3):285–91 (72 ref.)

POISONING

[Acute poisoning caused by wood preservatives from the viewpoint of the Berlin (East) Central Toxicologic Information service] Liebenow H, et al. **Z Arztl Fortbild (Jena)** 1991 Apr 25;85(8):385–8 (12 ref.) **(Ger)**

[Chronic toluene poisoning] Ferreiro JL, et al. **Neurologia** 1990 Jun–Jul;5(6):205–7 (13 ref.) (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Contact dissolution of cholesterol gallstones with organic solvents. Hofmann AF, et al. **Gastroenterol Clin North Am** 1991 Mar;20(1):183–99 (72 ref.)

Topical treatment of calcified and pigment stones. Leuschner U. **Semin Liver Dis** 1990 Aug;10(3):191–6 (54 ref.)

TOXICITY

An introduction to the clinical toxicology of volatile substances. Flanagan RJ, et al. **Drug Saf** 1990 Sep–Oct; 5(5):359–83 (186 ref.)

SOMAN

TOXICITY

Toxicokinetics of soman: species variation and stereospecificity in elimination pathways. Benschop HP, et al. **Neurosci Biobehav Rev** 1991 Spring;15(1):73–7 (16 ref.)

SOMATIC CELL HYBRIDS see **HYBRID CELLS**

SOMATIC GENE THERAPY see **GENE THERAPY**

SOMATIZATION DISORDER see **SOMATOFORM DISORDERS**

SOMATOCRININ see **SOMATOTROPIN-RELEASING HORMONE**

SOMATOFORM DISORDERS

The somatic patient. Purcell TB. **Emerg Med Clin North Am** 1991 Feb;9(1):137–59 (56 ref.)

Somatization disorder: defining its role in clinical medicine. Smith RC. **J Gen Intern Med** 1991 Mar–Apr;6(2):168–75 (72 ref.)

DIAGNOSIS

Body dysmorphic disorder and the DSM-IV: the demise of dysmorphophobia. Munro A, et al. **Can J Psychiatry** 1991 Mar;36(2):91–6 (48 ref.)

Somatization disorder and the chronic candidiasis syndrome: a possible overlap. Cater RE 2d. **Med Hypotheses** 1991 Jun;35(2):126–35 (50 ref.)

Diagnosing depression in patients with medical illness. Kathol RG, et al. **Psychosomatics** 1990 Fall;31(4):434–40 (20 ref.)

Psychological and behavioral factors affecting medical conditions and DSM-IV. An overview. Stoudemire A, et al. **Psychosomatics** 1991 Winter;32(1):5–13 (33 ref.)

[Functional syndromes in internal medicine. Epidemiology, etiology, pathogenesis, psychodynamics and differential diagnosis] Köhle K. **Internist (Berl)** 1991 Jan;32(1):3–11 (31 ref.) **(Ger)**

[A basic psychodiagnostic program for internists] Gruber G, et al. **Z Gesamte Inn Med** 1990 Sep 1;45(17):512–4 (18 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Primary head and facial pain] Waespe W, et al. **Internist (Berl)** 1991 Jan;32(1):31–7 (14 ref.) **(Ger)**

PHYSIOPATHOLOGY

The autonomic nervous system and "functional" illness. Ferrari E. **Funct Neurol** 1990 Jul–Sep;5(3):279–84 (19 ref.)

PSYCHOLOGY

Family systems intervention and physical illness. Sholevar GP, et al. **Gen Hosp Psychiatry** 1990 Nov;12(6):363–72 (59 ref.)

Gender, stress, and health. Baum A, et al. **Health Psychol** 1991;10(2):80–5 (58 ref.)

Gender differences in social support and physical health. Shumaker SA, et al. **Health Psychol** 1991;10(2):102–11 (84 ref.)

Couvade syndrome: male counterpart to pregnancy. Klein H. **Int J Psychiatry Med** 1991;21(1):57–69 (37 ref.)

Structural equation modeling in clinical assessment research with children. Morris RJ, et al. **J Consult Clin Psychol** 1991 Jun;59(3):371–9 (53 ref.)

Secondary depression: observations in alcoholism, Briquet's syndrome, anxiety disorder, schizophrenia, and antisocial personality. A form of comorbidity? Guze SB. **Psychiatr Clin North Am** 1990 Dec;13(4):651–9 (17 ref.)

Beyond attentional strategies: cognitive-perceptual model of somatic interpretation. Cioffi D. **Psychol Bull** 1991 Jan; 109(1):25–41 (180 ref.)

Chronic fatigue syndrome and depression: conceptual and methodological ambiguities [editorial] Ray C. **Psychol Med** 1991 Feb;21(1):1–9 (84 ref.)

Psychological factors affecting pulmonary and rheumatologic diseases. A review. Moran MG. **Psychosomatics** 1991 Winter;32(1):14–23 (71 ref.)

[Health and psychosocial effects of miscarriage] Läpple M. **Fortschr Neurol Psychiatr** 1991 May;59(5):155–63 (87 ref.) (Eng. Abstr.) **(Ger)**

[Functional syndromes of the gastrointestinal tract] Adler G, et al. **Internist (Berl)** 1991 Jan;32(1):19–25 (41 ref.) **(Ger)**

[Functional respiratory disorders] Feddersen CO, et al. **Internist (Berl)** 1991 Jan;32(1):26–30 (31 ref.) **(Ger)**

[Soft tissue pain and psychiatric evaluation] Marelli R. **Z Unfallchir Versicherungsmed** 1991;84(1):34–42 (14 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Managing somatization disorder. Morrison J. **Dis Mon** 1990 Oct;36(10):537–91 (63 ref.)

Ability to avoid premature treatment. A skill of consultation-liaison psychiatrists. Granet RB, et al. **Gen Hosp Psychiatry** 1990 Sep;12(5):323–8 (22 ref.)

Abnormal illness behaviours and their treatments. Pilowsky I. **Med J Aust** 1990 Sep 17;153(6):346–8 (29 ref.)

Managing somatization phenomena in primary care. Mabe PA, et al. **Psychiatr Med** 1990;8(4):117–27 (34 ref.)

[Treatment of functional disorders from the psychotherapeutic point of view] Buddeberg C. **Internist (Berl)** 1991 Jan;32(1):50–5 (8 ref.) **(Ger)**

SOMATOMAMMOTROPIN RECEPTORS see

RECEPTORS, SOMATOTROPIN

SOMATOMEDIN C see INSULIN-LIKE GROWTH FACTOR I

SOMATOMEDIN MSA see INSULIN-LIKE GROWTH FACTOR II

SOMATOMEDINS

Assays for IGF binding proteins. Rutanen EM, et al. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:70–3 (24 ref.)
[Somatomedins] Chevenne D. **Ann Biol Clin (Paris)** 1991; 49(2):69–91 (236 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

The gene structure of the insulin-like growth factor family. Sussenbach JS. **Prog Growth Factor Res** 1989;1(1):33–48 (70 ref.)

METABOLISM

Molecular forms of human IGF binding proteins: physiological implications. Binoux M, et al. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:41–7 (35 ref.)
Clinical aspects of insulin-like growth factor binding proteins. Cohen P, et al. **Acta Endocrinol (Copenh)** 1991; 124 Suppl 2:74–85 (72 ref.)
Growth retardation in Down syndrome in relation to insulin-like growth factors and growth hormone. Annerén G, et al. **Am J Med Genet Suppl** 1990;7:59–62 (30 ref.)
Renal glomerular and tubular insulin and insulin-like growth factor receptors. Meezan E, et al. **Contrib Nephrol** 1990; 83:60–6 (35 ref.)
Disturbance of growth hormone—insulin-like growth factor axis in uraemia. Implications for recombinant human growth hormone treatment. Tönshoff B, et al. **Pediatr Nephrol** 1990 Nov;4(6):654–62 (76 ref.)
[Somatomedin, growth and nutritional status] Tirapegui JO, et al. **Arq Gastroenterol** 1990 Apr–Jun;27(2):95–102 (71 ref.) (Eng. Abstr.) **(Por)**

PHYSIOLOGY

Paracrine actions of IGF binding proteins. Minuto F, et al. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:63–9 (34 ref.)
The insulin-like growth factors: their putative role in atherogenesis. Ferns GA, et al. **Artery** 1991;18(4):197–225 (132 ref.)
Somatomedins on the move. Van den Brande JL. **Horm Res** 1990;33(2–4):58–68 (63 ref.)
Insulin-like growth factors and thecal–granulosa-cell function. Geisthovel F, et al. **Hum Reprod** 1990 Oct; 5(7):785–99 (122 ref.)
Insulin-like growth factor binding proteins: roles in regulating IGF physiology. Clemmons DR. **J Dev Physiol** 1991 Feb;15(2):105–10 (24 ref.)
Regulation and action of insulin-like growth factors at the cellular level. Phillips LS, et al. **Proc Nutr Soc** 1990 Oct; 49(3):451–8 (34 ref.)
[Insulin-like growth factors] Mitev V, et al. **Eksp Med Morfol** 1990;29(2):67–75 (17 ref.) **(Bul)**
[Principles and clinical significance of insulin-like growth factors/somatomedins] Weimann E, et al. **Klin Wochenschr** 1990 Oct 17;68(20):985–1002 (160 ref.) (Eng. Abstr.) **(Ger)**

SECRETION

Human endometrial protein secretion relative to implantation. Seppälä M, et al. **Baillieres Clin Obstet Gynaecol** 1991 Mar; 5(1):61–72 (76 ref.)
Insulin-like growth factor measurements in the evaluation of growth hormone secretion. Furlanetto RW. **Horm Res** 1990;33 Suppl 4:25–30 (52 ref.)

SOMATOSENSORY CORTEX

PHYSIOLOGY

Intracortical processes regulating the integration of sensory information. Ebner FF, et al. **Prog Brain Res** 1990; 86:129–41 (46 ref.)
How sensory cortex is subdivided in mammals: implications for studies of prefrontal cortex. Kaas JH. **Prog Brain Res** 1990;85:3–10; discussion 10–1 (37 ref.)
Local circuitry of the somatosensory thalamus in the processing of sensory information. Ralston HJ 3d. **Prog Brain Res** 1991;87:13–28 (39 ref.)

PHYSIOPATHOLOGY

Role of the forebrain in nociception. Willis WD Jr. **Prog Brain Res** 1991;87:1–12 (55 ref.)

SOMATOSENSORY EVOKED POTENTIALS see EVOKED POTENTIALS, SOMATOSENSORY

SOMATOSTATIN

ANALOGS & DERIVATIVES

Peptide inhibition of myointimal proliferation by angiopeptin, a somatostatin analogue. Lundergan CF, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):132B–136B (40 ref.)

ANALYSIS

Somatostatin receptor imaging in vivo localization of tumors with a radiolabeled somatostatin analog. Lamberts SW, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1079–82 (14 ref.)

BIOSYNTHESIS

[Biosynthesis of somatostatin] Liu JL. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):367–9 (21 ref.) **(Chi)**

METABOLISM

Somatostatin receptors in malignant tissues. Reubi JC, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1073–7 (24 ref.)
[Effect of cysteamine on the exhaustion of somatotropin release inhibiting hormone and its mechanism] Liu JL. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul;21(3):271–4 (20 ref.) **(Chi)**

PHARMACOLOGY

Pharmacology of spinal peptides affecting sensory and motor functions: dynorphins, somatostatins and tachykinins. Spampinato S, et al. **Pharmacol Res** 1991 Feb;23(2):113–27 (113 ref.)
Growth promotion in farm animals. Buttery PJ, et al. **Proc Nutr Soc** 1990 Oct;49(3):459–66 (42 ref.)
Preclinical and clinical studies with somatostatin related to the central nervous system. Vécsei L, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(4):473–502 (249 ref.)
Effects of somatostatin on the exocrine pancreas. Layer P, et al. **Scand J Gastroenterol** 1991 Feb;26(2):129–36 (90 ref.)

PHYSIOLOGY

Interrelationship of somatostatin and growth hormone–releasing hormone in the genesis of the rhythmic secretion of growth hormone. Tannenbaum GS. **Acta Paediatr Scand Suppl** 1990;367:76–80 (41 ref.)
Growth hormone, somatostatin and psoriasis. Guilhou JJ. **Dermatologica** 1990;181(2):81–2 (15 ref.)
[Neuropeptide–mediated transmission of nociceptive information and its regulation. Novel mechanisms of analgesics] Kuraishi Y. **Yakugaku Zasshi** 1990 Oct; 110(10):711–26 (63 ref.) (Eng. Abstr.) **(Jpn)**
[Effect of somatostatin on the digestive tract functions] Dwornicki M. **Przegl Lek** 1990;47(8):593–6 (11 ref.) **(Pol)**
[The control of GH secretion by GHRH and somatostatin: the current status] Tresguerres JA, et al. **Rev Clin Esp** 1990 Nov;187(8):420–8 (37 ref.) **(Spa)**

SECRETION

[Modification of gastrin and somatostatin cells in the gastric antrum in experimental diabetes] Sanz Esponera J. **An R Acad Nac Med (Madr)** 1990;107(2):275–84 (23 ref.) **(Spa)**

THERAPEUTIC USE

Somatostatin in the treatment of bleeding oesophageal varices. McCormick PA, et al. **Acta Gastroenterol Belg** 1990 Jul–Aug;53(4):418–22 (19 ref.)
Somatostatin and analogues in the treatment of cancer. A review [see comments] Evers BM, et al. **Ann Surg** 1991 Mar;213(3):190–8 (81 ref.) Comment in: Ann Surg 1991 Mar;213(3):189.
Treatment of NIDDM with insulin agonists or substitutes. Galloway JA. **Diabetes Care** 1990 Dec;13(12):1209–39 (179 ref.)
Growth factor–receptor pathway interfering treatment by somatostatin analogs and suramin: preclinical and clinical studies. Klijn JG, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1089–95 (37 ref.)
Somatostatin analogues in the treatment of breast and prostate cancer. Manni A, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1083–7 (19 ref.)
[Drug treatment of acute esophageal varices hemorrhage using vasoactive substances (somatostatin and octreotide)] Meier R, et al. **Z Gastroenterol** 1990 Sep;28 Suppl 2:36–40 (58 ref.) **(Ger)**
[Somatostatin and octreotide in therapy of gastrointestinal diseases] Stöckmann F. **Z Gastroenterol Verh** 1991 Mar; 26:166–70 (80 ref.) **(Ger)**
[Therapeutic usefulness of synthetic delayed-action somatostatin in gastrointestinal diseases] Miranda Ruiz R, et al. **Rev Gastroenterol Mex** 1991 Jan–Mar;56(1):39–41 (42 ref.) **(Spa)**

SOMATOSTATIN-14 see SOMATOSTATIN

SOMATOSTATINOMA

[Somatostatinoma] Reggio D, et al. **G Chir** 1988 Nov; 9(11):805–8 (46 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Pancreatic somatostatinoma. Soldati T, et al. **Panminerva Med** 1990 Jul–Sep;32(3):141–4 (13 ref.)

SOMATOTROPIN

Insulin-like growth factor binding proteins (IGFBPs) with special reference to IGFBP-3. Blum WF, et al. **Acta Paediatr Scand Suppl** 1990;367:55–62 (63 ref.)
Human growth hormone. Its use and abuse. Bradley CA, et al. **Clin Lab Med** 1990 Sep;10(3):473–7 (9 ref.)
NIH Technology Assessment Conference statement on bovine somatotropin. **JAMA** 1991 Mar 20;265(11):1423–5 (0 ref.)
[Growth hormone and delayed growth in the chronic renal insufficiency child] Broyer M. **Nephrologie** 1990;11(4):247 (3 ref.) **(Fre)**

ADMINISTRATION & DOSAGE

What is the best mode of growth hormone administration? Tuvemo T. **Acta Paediatr Scand Suppl** 1989;362:44–9 (35 ref.)
Frequency of administration of growth hormone—an important factor in determining growth response to exogenous growth hormone. Hindmarsh PC, et al. **Horm Res** 1990;33 Suppl 4:83–9 (36 ref.)
Pharmacological aspects of growth hormone replacement therapy: route, frequency and timing of administration. Jørgensen JO, et al. **Horm Res** 1990;33 Suppl 4:77–82 (40 ref.)

ADVERSE EFFECTS

Possible metabolic side effects of high dose growth hormone treatment. Gustafsson J. **Acta Paediatr Scand Suppl** 1989; 362:50–5 (59 ref.)

ANALOGS & DERIVATIVES

Food safety and pharmacokinetic studies which support a zero (0) meat and milk withdrawal time for use of sometribove in dairy cows. Hammond BG, et al. **Ann Rech Vet** 1990;21 Suppl 1:107S–120S (53 ref.)

ANALYSIS

Receptor assays for growth hormone. Friesen HG. **Acta Paediatr Scand Suppl** 1990;370:87–91; discussion 92 (20 ref.)
Liquid chromatographic control of the identity, purity and "potency" of biomolecules used as drugs. Farid NA, et al. **J Pharm Biomed Anal** 1989;7(2):185–8 (7 ref.)

BIOSYNTHESIS

Heterogeneity of growth hormone production in human pituitary tumour cells [comment] Davis JR. **Clin Endocrinol (Oxf)** 1991 Jan;34(1):3–4 (13 ref.) Comment on: Clin Endocrinol (Oxf) 1991 Jan;34(1):5–11.

BLOOD

Clinical aspects of GH binding proteins. Daughaday WH, et al. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:27–32 (24 ref.)
Regulation of the growth hormone binding proteins in human plasma. Fontoura M, et al. **Acta Endocrinol (Copenh)** 1991; 124 Suppl 2:10–3 (21 ref.)
Growth hormone binding proteins in plasma—an update. Baumann G. **Acta Paediatr Scand Suppl** 1990;367:142–7 (52 ref.)
[The role of growth hormone in the development of complications in insulin-dependent diabetes] Krawczuk-Rybak M, et al. **Padiatr Grenzgeb** 1991; 30(3):237–43 (37 ref.) (Eng. Abstr.) **(Ger)**

CHEMISTRY

Growth hormone binding proteins and various forms of growth hormone: implications for measurements. Baumann G. **Acta Paediatr Scand Suppl** 1990;370:72–80; discussion 81 (76 ref.)
An approach to the three-dimensional structure of bovine growth hormone based on chemical modification and secondary structure prediction. Ermacora M, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):109–15 (54 ref.)
[The molecular polymorphism of the growth hormone and prolactin and its clinical significance] Bulatov AA. **Probl Endokrinol (Mosk)** 1990 Jul–Aug;36(4):30–5 (25 ref.) **(Rus)**

DEFICIENCY

Beneficial effects of GH replacement therapy in adults. Christiansen JS, et al. **Acta Endocrinol (Copenh)** 1991 Jul; 125(1):7–13 (31 ref.)
Aetiology and pathogenesis of growth hormone deficiency. Bierich JR. **Acta Paediatr Scand Suppl** 1990;370:155–63 (111 ref.)
Should adults with growth hormone deficiency be maintained on growth hormone substitution therapy? Häger A. **Acta Paediatr Scand Suppl** 1989;362:72–5 (34 ref.)
Growth hormone deficiency in children has psychological and educational co-morbidity. Stabler B, et al.

Clin Pediatr (Phila) 1991 Mar;30(3):156–60 (20 ref.)
Retarded cerebral growth of hormone-deficient mice. Noguchi T. **Comp Biochem Physiol [C]** 1991;98(1):239–48 (68 ref.)
Involvement of brain catecholamines and acetylcholine in growth hormone deficiency states. Pathophysiological, diagnostic and therapeutic implications. Müller EE, et al. **Drugs** 1991 Feb;41(2):161–77 (101 ref.)
Regulation of renal phosphate reabsorption during development: implications from a new model of growth hormone deficiency. Haramati A, et al. **Pediatr Nephrol** 1990 Jul;4(4):387–91 (22 ref.)
[Molecular aspects of hereditary growth hormone defects] Argente Oliver J. **An Esp Pediatr** 1990 Nov;33 Suppl 42:132–8 (52 ref.) **(Spa)**

GENETICS

Prolactin and growth hormone: molecular heterogeneity and measurement in serum. Smith CR, et al. **Ann Clin Biochem** 1990 Nov;27 (Pt 6):542–50 (71 ref.)
Effects of human growth hormone on reproductive and neuroendocrine functions in transgenic mice. Bartke A, et al. **Biotechnology** 1991;16:237–48 (34 ref.)
Production of sheep transgenic for growth hormone genes. Rexroad CE Jr. **Biotechnology** 1991;16:259–63 (16 ref.)
Developmental regulation and tissue-specific expression of a chimaeric phosphoenolpyruvate carboxykinase/bovine growth hormone gene in transgenic animals. McGrane MM, et al. **J Reprod Fertil Suppl** 1990;41:17–23 (23 ref.)
Integration, expression and germ-line transmission of growth-related genes in pigs. Pursel VG, et al. **J Reprod Fertil Suppl** 1990;41:77–87 (33 ref.)
Insertion, expression and physiology of growth-regulating genes in ruminants. Rexroad CE Jr, et al. **J Reprod Fertil Suppl** 1990;41:119–24 (23 ref.)
Cell type specific expression of the growth hormone gene and its control by GHF-1. Karin M, et al. **Nippon Naibunpi Gakkai Zasshi** 1990 Dec 20; 66(12):1205–20 (49 ref.)
Tissue-specific expression of the growth hormone gene and its control by growth hormone factor-1. Karin M, et al. **Recent Prog Horm Res** 1990;46:43–57; discussion 57–8 (51 ref.)

METABOLISM

Growth hormone binding proteins: biochemical characterization and assays. Baumann G. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:21–6 (38 ref.)
Growth retardation in Down syndrome in relation to insulin-like growth factors and growth hormone. Annerén G, et al. **Am J Med Genet Suppl** 1990;7:59–62 (30 ref.)
Growth hormone excess and galactorrhoea without acromegalic features. Case reports. Pestell R, et al. **Br J Obstet Gynaecol** 1991 Jan;98(1):92–7 (14 ref.)
Disturbance of growth hormone—insulin-like growth factor axis in uraemia. Implications for recombinant human growth hormone treatment. Tönshoff B, et al. **Pediatr Nephrol** 1990 Nov;4(6):654–62 (76 ref.)
Sex hormone-related and growth hormone-related alopecias. Schmeitzel LP. **Vet Clin North Am Small Anim Pract** 1990 Nov;20(6):1579–601 (79 ref.)

PHARMACOLOGY

Effects of growth hormone on body composition and metabolism. Edén S, et al. **Acta Paediatr Scand Suppl** 1990; 367:14–9 (60 ref.)
Cellular effects of growth hormone on adipocytes. Goodman HM, et al. **Chin J Physiol** 1991;34(1):27–44 (27 ref.)
Growth hormone (replacement) therapy in adults: bone and calcium metabolism. van der Veen EA, et al. **Horm Res** 1990;33 Suppl 4:65–8 (18 ref.)
Interrelationships between exogenous porcine somatotropin (PST) administration and dietary protein and energy intake on protein deposition capacity and energy metabolism of pigs. Campbell RG, et al. **J Anim Sci** 1991 Apr; 69(4):1522–31 (31 ref.)
Adipose cellularity in Gallus domesticus: investigations to control body composition in growing chickens. Cartwright AL. **J Nutr** 1991 Sep;121(9):1486–97 (101 ref.)
Assays for human growth hormones. Bangham DR. **J Pharm Biomed Anal** 1989;7(2):169–72 (3 ref.)
Management of the dairy herd treated with bovine somatotropin. Crooker BA, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):417–37 (82 ref.)

PHYSIOLOGY

Does the serum binding protein for growth hormone have a functional role? Herington AC, et al. **Acta Endocrinol (Copenh)** 1991;124 Suppl 2:14–20 (48 ref.)
Actions of growth hormone on adipose tissue: possible involvement of autocrine or paracrine factors. Goodman HM, et al. **Acta Paediatr Scand Suppl** 1990;367:132–6 (38 ref.)
Cartilage as a target tissue for growth hormone and insulin-like growth factor I. Isaksson OG, et al. **Acta Paediatr Scand Suppl** 1990;367:137–41 (35 ref.)
Growth hormone and insulin-like growth factor I in chronic renal failure—pathophysiology and rationale for growth hormone treatment. Mehls O, et al. **Acta Paediatr Scand Suppl** 1990;370:28–34; discussion 35 (40 ref.)
The renal growth hormone/insulin-like growth factor I axis. Hammerman MR. **Am J Kidney Dis** 1991 Jun;17(6):644–6 (14 ref.)
The role of growth hormone and insulin-like growth factor-I in experimental renal growth and scarring. el Nahas AM. **Am J Kidney Dis** 1991 Jun;17(6):677–9 (17 ref.)
Growth hormone, somatostatin and psoriasis. Guilhou JJ. **Dermatologica** 1990;181(2):81–2 (15 ref.)
Growth hormone and body composition. Bengtsson BA, et al. **Horm Res** 1990;33 Suppl 4:19–24 (54 ref.)
Clinical implications of growth hormone feedback mechanisms. Müller EE. **Horm Res** 1990;33 Suppl 4:90–6 (67 ref.)
The insulin-antagonistic effect of the counterregulatory hormones. Lager I. **J Intern Med Suppl** 1991;735:41–7 (52 ref.)
Anabolic-androgenic steroids profoundly affect growth at puberty in boys. Rogol AD, et al. **NIDA Res Monogr** 1990; 102:187–95 (16 ref.)
Endogenous mediators of growth. Loveridge N, et al. **Proc Nutr Soc** 1990 Oct;49(3):443–50 (64 ref.)
Prolactin and growth hormone in the regulation of the immune system. Gala RR. **Proc Soc Exp Biol Med** 1991 Oct;198(1):513–27 (133 ref.)

SECRETION

Pulsatile growth hormone secretory pattern: autofeedback regulation and effects on growth factors. Jansson JO, et al. **Acta Paediatr Scand Suppl** 1990;367:98–102 (30 ref.)
Interrelationship of somatostatin and growth hormone-releasing hormone in the genesis of the rhythmic secretion of growth hormone. Tannenbaum GS. **Acta Paediatr Scand Suppl** 1990;367:76–80 (41 ref.)
Is growth hormone secretion related to growth? Westgren U. **Acta Paediatr Scand Suppl** 1989;362:32–5 (20 ref.)
Tests for growth hormone secretion [see comments] Brook CG, et al. **Arch Dis Child** 1991 Jan;66(1):85–7 (9 ref.) Comment in: Arch Dis Child 1991 May;66(5):666.
The neurophysiological regulation of growth hormone secretion. Buonomo FC, et al. **Domest Anim Endocrinol** 1990 Oct;7(4):435–50 (144 ref.)
Pubertal growth and growth hormone secretion. Martha PM Jr, et al. **Endocrinol Metab Clin North Am** 1991 Mar; 20(1):165–82 (66 ref.)
Insulin-like growth factor measurements in the evaluation of growth hormone secretion. Furlanetto RW. **Horm Res** 1990;33 Suppl 4:25–30 (52 ref.)
Pharmacological testing of growth hormone secretion. Reiter EO, et al. **Horm Res** 1990;33(2–4):121–6; discussion 126–7 (40 ref.)
Assessment of growth hormone secretion: what are we looking for practically? Vanderschueren-Lodeweyckx M. **Horm Res** 1990;33 Suppl 4:1–6 (27 ref.)
Age-related alterations of the growth hormone/insulin-like-growth-factor I axis. Kelijman M. **J Am Geriatr Soc** 1991 Mar;39(3):295–307 (156 ref.)
Assessment of growth hormone secretion in children. Zachmann M. **Keio J Med** 1990 Sep;39(3):173–86 (11 ref.)
[A case report of adjacent tumor of sphenoid ridge meningioma and GH producing pituitary adenoma] Uno M, et al. **No Shinkei Geka** 1991 Jun;19(6):583–7 (21 ref.) (Eng. Abstr.) **(Jpn)**
[Regulation of GH by GHRH: controversies] Fernández-Tresguerres Hernández JA. **An R Acad Nac Med (Madr)** 1990;107(1):117–29 (25 ref.) **(Spa)**
[The control of GH secretion by GHRH and somatostatin: the current status] Tresguerres JA, et al. **Rev Clin Esp** 1990 Nov;187(8):420–8 (37 ref.) **(Spa)**

STANDARDS

Clinical review 21: The efficacy and safety of growth hormone for animal agriculture. Etherton TD. **J Clin Endocrinol Metab** 1991 May;72(5):957A–957C (11 ref.)

THERAPEUTIC USE

Endocrine basis for growth-promoting therapy. Albertsson-Wikland K. **Acta Paediatr Scand Suppl** 1990; 367:11–3 (21 ref.)
Clinical tests as predictors of growth response in GH treatment of short normal children. Hagenäs L. **Acta Paediatr Scand Suppl** 1989;362:36–43 (71 ref.)
Regulation of growth hormone receptor turnover by growth hormone. Hochberg Z, et al. **Acta Paediatr Scand Suppl** 1990;367:148–52 (20 ref.)
Can growth hormone treatment increase final height in constitutional short stature? Ivarsson SA. **Acta Paediatr Scand Suppl** 1989;362:56–60 (29 ref.)
Chronic nonendocrine diseases with growth impairment; is growth hormone of therapeutic value? Moëll C. **Acta Paediatr Scand Suppl** 1989;362:69–71 (22 ref.)
What is the value of growth hormone treatment in short children with specified syndrome? Turner's syndrome, osteochondrodysplasias, Prader-Willi syndrome, Noonan syndrome. Nilsson KO. **Acta Paediatr Scand Suppl** 1989; 362:61–8 (67 ref.)
Is there an auxological basis for growth-promoting treatment with human growth hormone in short children? Ranke MB, et al. **Acta Paediatr Scand Suppl** 1990;367:4–10 (39 ref.)
Conclusions: a consensus statement on growth hormone therapy. Rosenfeld R, et al. **Acta Paediatr Scand Suppl** 1990; 367:177–8 (0 ref.)
Is it ethical to treat healthy short children with growth hormone? Underwood LE, et al. **Acta Paediatr Scand Suppl** 1989;362:18–23 (20 ref.)
Treatment with human growth hormone: who, how, when and why? Vanderschueren-Lodeweyckx M. **Acta Paediatr Scand Suppl** 1990;367:23–8 (44 ref.)
Synergistic effect of growth hormone and gonadotropins in achieving conception in "clonidine-negative" patients with unexplained infertility. Blumenfeld Z, et al. **Ann N Y Acad Sci** 1991;626:250–65 (51 ref.)
Growth hormone therapy in girls with Turner syndrome. Dean H. **Birth Defects** 1990;26(4):229–34 (17 ref.)
Recombinant growth hormone in paediatrics. Williams DM, et al. **Br J Hosp Med** 1991 Apr;45(4):224–5 (16 ref.)
Wider indications for treatment with biosynthetic human growth hormone in children. Hindmarsh PC, et al. **Clin Endocrinol (Oxf)** 1991 May;34(5):417–27 (110 ref.)
Non-conventional use of growth hormone: European experience. Darendeliler F, et al. **Horm Res** 1990; 33(2–4):128–36 (40 ref.)
Results of long-term growth hormone replacement therapy in children: when and how to treat? Job JC. **Horm Res** 1990;33 Suppl 4:69–76 (33 ref.)
Replacement therapy in hypothalamus-pituitary insufficiency: management in the adolescent. Stahnke N, et al. **Horm Res** 1990;33 Suppl 4:38–44 (43 ref.)
Growth hormone for short stature not due to classic growth hormone deficiency. Cara JF, et al. **Pediatr Clin North Am** 1990 Dec;37(6):1229–54 (89 ref.)
Use of growth hormone in the treatment of short stature: boon or abuse? Saenger P. **Pediatr Rev** 1991 Jun; 12(12):355–63 (56 ref.)
Is taller really better? Growth hormone therapy in short children. Diekema DS. **Perspect Biol Med** 1990 Autumn; 34(1):109–23 (70 ref.)
Growth promoters in humans. Burns HJ. **Proc Nutr Soc** 1990 Oct;49(3):467–72 (142 ref.)
[Is growth hormone supplementation in growth hormone deficiency in adults indicated?] de Boer H, et al. **Ned Tijdschr Geneeskd** 1990 Dec 15;134(50):2428–31 (38 ref.) **(Dut)**
[Treatment of hypophyseal nanism] Tamburrano G, et al. **Minerva Endocrinol** 1990 Jan–Mar;15(1):55–60 (30 ref.) (Eng. Abstr.) **(Ita)**

TOXICITY

[Toxicological and pharmacological effects of the use of bovine somatotropin in dairy farming] Witkamp RF, et al. **Tijdschr Diergeneeskd** 1990 Sep 1;115(17):780–8 (39 ref.) (Eng. Abstr.) **(Dut)**

SOMATOTROPIN RECEPTORS see **RECEPTORS, SOMATOTROPIN**

SOMATOTROPIN RELEASE INHIBITING HORMONE see **SOMATOSTATIN**

SOMATOTROPIN-RELEASING FACTOR 44 see **SOMATOTROPIN-RELEASING HORMONE**

SOMATOTROPIN-RELEASING HORMONE

Growth hormone-releasing hormone: clinical studies and therapeutic aspects. Low LC. **Neuroendocrinology** 1991;53 Suppl 1:37–40 (34 ref.)

ANALOGS & DERIVATIVES

[Analogs of GHRH in the benign gynecologic pathology] Benagiano G, et al. **Drugs Exp Clin Res** 1990;16 Suppl:59–68 (56 ref.) **(Ita)**

DIAGNOSTIC USE

Usefulness of the growth hormone-releasing hormone test regardless of which fragment is used (GHRH 1–44, 1–40 or 1–29). Laron Z. **Isr J Med Sci** 1991 Jun;27(6):343–5 (31 ref.)

GENETICS

Growth hormone-releasing hormone: structure, gene expression and molecular heterogeneity. Frohman LA, et al. **Acta Paediatr Scand Suppl** 1990;367:81–6 (25 ref.)

METABOLISM

Growth-hormone releasing hormone in a bronchial carcinoid. Huber RM, et al. **Cancer** 1991 May 15; 67(10):2538–42 (29 ref.)

PHARMACOLOGY

Neuroactive drugs in growth disorders. Ghigo E, et al. **Acta Paediatr Scand Suppl** 1990;367:33–7 (34 ref.)

PHYSIOLOGY

Interrelationship of somatostatin and growth hormone-releasing hormone in the genesis of the rhythmic

secretion of growth hormone. Tannenbaum GS. **Acta Paediatr Scand Suppl** 1990;367:76–80 (41 ref.)
[The control of GH secretion by GHRH and somatostatin: the current status] Tresguerres JA, et al. **Rev Clin Esp** 1990 Nov;187(8):420–8 (37 ref.) **(Spa)**

SECRETION

[Regulation of GH by GHRH: controversies] Fernández-Tresguerres Hernández JA. **An R Acad Nac Med (Madr)** 1990;107(1):117–29 (25 ref.) **(Spa)**

THERAPEUTIC USE

Growth hormone-releasing hormone and growth hormone-releasing peptide as potential therapeutic modalities. Thorner MO, et al. **Acta Paediatr Scand Suppl** 1990;367:29–32 (18 ref.)
[Analogs of GHRH in the benign gynecologic pathology] Benagiano G, et al. **Drugs Exp Clin Res** 1990;16 Suppl:59–68 (56 ref.) **(Ita)**

SOMATOTYPES

Somatotypes of weight lifters. Orvanová E. **J Sports Sci** 1990 Summer;8(2):119–37 (45 ref.)

SOMNAMBULISM

PHYSIOPATHOLOGY

Psychophysiological aspects of nightmares, night terrors, and sleepwalking. Murray JB. **J Gen Psychol** 1991 Apr; 118(2):113–27 (90 ref.)

SONOGRAPHY, SPEECH see **SOUND SPECTROGRAPHY**

SORBIC ACID

ANALOGS & DERIVATIVES

The metabolism of benzene to muconic acid, a potential biological marker of benzene exposure. Witz G, et al. **Adv Exp Med Biol** 1991;283:613–8 (16 ref.)

ANALYSIS

[Use of gas chromatography for determining benzoic and sorbic acid levels in orange beverage and tomato concentrate] Giryn H, et al. **Rocz Panstw Zakl Hig** 1990; 41(5–6):217–22 (14 ref.) (Eng. Abstr.) **(Pol)**

CHEMISTRY

Nucleophilic reactions of sorbic acid. Khandelwal GD, et al. **Food Addit Contam** 1990 Sep–Oct;7(5):685–94 (21 ref.)
Effect of surfactants and dispersed components on the activity and reactivity of sorbic acid. Wedzicha BL, et al. **Food Addit Contam** 1990 Sep–Oct;7(5):695–709 (21 ref.)

TOXICITY

Toxicology of sorbic acid and sorbates. Walker R. **Food Addit Contam** 1990 Sep–Oct;7(5):671–6 (26 ref.)

SORBITOL

ADVERSE EFFECTS

Sorbitol and dental caries. Birkhed D, et al. **World Rev Nutr Diet** 1991;65:1–37 (184 ref.)

SORE THROAT see **PHARYNGITIS**

SORPTION DETOXIFICATION

METHODS

Possibilities of selective and unselective adsorbent development in blood purification. Falkenhagen D, et al. **Contrib Nephrol** 1990;78:142–54; discussion 154–6 (19 ref.)
Extracorporeal techniques in the treatment of poisoned patients. Pond SM. **Med J Aust** 1991 May 6;154(9):617–22 (63 ref.)
[Treatment of acute hepatic failure] Paczkowski PM, et al. **Pol Arch Med Wewn** 1990 Sep;84(3):157–65 (0 ref.) **(Pol)**
[Immobilized antibodies in the extracorporeal detoxification of the body] Lopukhin IuM, et al. **Vestn Akad Med Nauk SSSR** 1991;(3):59–62 (50 ref.) **(Rus)**
[Sorption detoxification in the treatment of patients with tuberculosis] Pidufala GR. **Vrach Delo** 1991 Jun;(6):25–8 (21 ref.) **(Rus)**

SOS RESPONSE (GENETICS)

PHYSIOLOGY

RecA protein in the SOS response: milestones and mysteries. Witkin EM. **Biochimie** 1991 Feb–Mar;73(2–3):133–41 (73 ref.)

SOTALOL

PHARMACOLOGY

Is class III antiarrhythmic activity important? Singh BN. **Cardiovasc Drugs Ther** 1990 Jun;4 Suppl 3:597–602 (12 ref.)
[Sotalol. Beta-blockade and class III antiarrhythmic effect] Bjørnstad H, et al. **Tidsskr Nor Laegeforen** 1990 Nov 30; 110(29):3763–5 (17 ref.) **(Nor)**

SOUND

see related
ACOUSTIC STIMULATION
NOISE

Measurement of sound. Hood LJ, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):233–51 (31 ref.)

DIAGNOSTIC USE

Sound field measurement tutorial. Working Group on Sound Field Calibration of the Committee on Audiologic Evaluation American Speech-Language-Hearing Association. **ASHA** 1991 Jan;33(1 Suppl 3):25–38 (35 ref.)

SOUND LOCALIZATION

Sound localization by human listeners. Middlebrooks JC, et al. **Annu Rev Psychol** 1991;42:135–59 (100 ref.)
The development of a human auditory localization response: a U-shaped function. Muir DW, et al. **Can J Psychol** 1989 Jun;43(2):199–216 (50 ref.)

SOUND SPECTROGRAPHY

Effects of peak pressure and energy of impulses. Patterson JH Jr. **J Acoust Soc Am** 1991 Jul;90(1):205–8 (12 ref.)

SOUTHERN BLOTTING see **BLOTTING, SOUTHERN**

SOY BEANS see **SOYBEANS**

SOYA OIL see **SOYBEAN OIL**

SOYBEAN OIL

THERAPEUTIC USE

[The effect of soybean protein on lipids and trace elements in elderly hospitalized women] Regöly-Mérei A, et al. **Orv Hetil** 1991 Jul 14;132(28):1523–6 (33 ref.) (Eng. Abstr.) **(Hun)**

SOYBEANS

Review of clinical studies on cholesterol-lowering response to soy protein. Carroll KK. **J Am Diet Assoc** 1991 Jul; 91(7):820–7 (81 ref.)
Increasing use of soyfoods and their potential role in cancer prevention. Messina M, et al. **J Am Diet Assoc** 1991 Jul; 91(7):836–40 (56 ref.)
Nutritional benefits of soy protein and soy fiber. Slavin J. **J Am Diet Assoc** 1991 Jul;91(7):816–9 (31 ref.)
Soy protein in relation to human protein and amino acid nutrition. Young VR. **J Am Diet Assoc** 1991 Jul; 91(7):828–35 (51 ref.)
[Negative effects of anti-nutritional factors from soybeans in Salmonidae] van den Ingh TS, et al. **Tijdschr Diergeneeskd** 1990 Oct 15;115(20):935–8 (13 ref.) (Eng. Abstr.) **(Dut)**

ADVERSE EFFECTS

Studies of food allergens: soybean and egg proteins. Djurtoft R, et al. **Adv Exp Med Biol** 1991;289:281–93 (25 ref.)

ANALYSIS

Physiological effects and physico-chemical properties of soy cotyledon fiber. Lo GS. **Adv Exp Med Biol** 1990;270:49–66 (21 ref.)

TOXICITY

Residue trypsin inhibitor: data needs for risk assessment. Hathcock JN. **Adv Exp Med Biol** 1991;289:273–9 (33 ref.)

SPACE FLIGHT

see related
SEALED CABIN ECOLOGY
WEIGHTLESSNESS

Dermatology in space: the final frontier. Fowler JF Jr. **Adv Dermatol** 1991;6:73–81; discussion 82 (31 ref.)
Work under extreme conditions. Luczak H. **Ergonomics** 1991 Jun;34(6):687–720 (44 ref.)
Back pain and spinal changes in microgravity. Wing PC, et al. **Orthop Clin North Am** 1991 Apr;22(2):255–62 (18 ref.)
Variations in recovery and readaptation to load bearing conditions after space flight and whole body suspension in the rat. Musacchia XJ, et al. **Physiologist** 1991 Feb;34(1 Suppl):S170–1 (10 ref.)
[Biology and space medicine. New prospects for internal medicine] Tallarida G, et al. **Ann Ital Med Int** 1989 Oct–Dec;4(4):413–21 (40 ref.) (Eng. Abstr.) **(Ita)**
[Genetic aspects of man's adaptation to long-term space flight] Delone NL, et al. **Kosm Biol Aviakosm Med** 1991 Mar–Apr;25(2):10–5 (50 ref.) (Eng. Abstr.) **(Rus)**
[Glucocorticoid receptors in physiological states and in extreme conditions] Vorob'ev DV, et al. **Kosm Biol Aviakosm Med** 1990 Nov–Dec;24(6):4–11 (92 ref.) (Eng. Abstr.) **(Rus)**
[The sensory systems of mollusks as a model subject for space biology] Kovalev VA, et al. **Nerv Sist** 1990;29:186–93 (26 ref.) **(Rus)**

SPACE MEDICINE see **AEROSPACE MEDICINE**

SPACE PERCEPTION

Spatial cognition in Parkinson disease. Levin BE. **Alzheimer Dis Assoc Disord** 1990 Fall;4(3):161–70 (47 ref.)
[Illusion of visual tilt: a case] Cohen L, et al. **Rev Neurol (Paris)** 1991;147(5):389–91 (18 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Role of the hippocampus in temporal and spatial navigation: an adaptive neural network. Schmajuk NA. **Behav Brain Res** 1990 Aug 20;39(3):205–29 (92 ref.)
Different patterns of dissociation in unilateral spatial neglect. Cubelli R, et al. **Brain Cogn** 1991 Mar;15(2):139–59 (73 ref.)
"Object vision" and "spatial vision": the neuropsychological evidence for the distinction. Ettlinger G. **Cortex** 1990 Sep; 26(3):319–41 (124 ref.)
A critical review of Luneburg's model with regard to global structure of visual space. Indow T. **Psychol Rev** 1991 Jul; 98(3):430–53 (125 ref.)
[Interhemispheric differences in the spatial-frequency description of images and the consequences for visual recognition] Nevskaia AA, et al. **Zh Vyssh Nerv Deiat** 1990 Sep–Oct;40(5):915–24 (22 ref.) (Eng. Abstr.) **(Rus)**

SPACE-TIME CLUSTERING

see related
DISEASE OUTBREAKS

SPACER DNA see **DNA, RIBOSOMAL**

SPANISH AMERICANS see **HISPANIC AMERICANS**

SPARGANOSIS

DIAGNOSIS

Cerebral sparganosis: case report and review. Holodniy M, et al. **Rev Infect Dis** 1991 Jan–Feb;13(1):155–9 (39 ref.)

SPARGANUM

ISOLATION & PURIFICATION

Cerebral sparganosis: case report and review. Holodniy M, et al. **Rev Infect Dis** 1991 Jan–Feb;13(1):155–9 (39 ref.)

SPARTEINE

METABOLISM

Genetic polymorphism of sparteine/debrisoquine oxidation: a reappraisal. Lennard MS. **Pharmacol Toxicol** 1990 Oct; 67(4):273–83 (97 ref.)

SPASM

see related
MUSCLE CRAMP

Intussusception of the rectum and the solitary ulcer syndrome. Ihre T. **Ann Med** 1990 Dec;22(6):419–23 (35 ref.)

COMPLICATIONS

[Primary pulmonary hypertension in children] Rachocka J, et al. **Wiad Lek** 1990 Oct 1–15;43(19–20):964–6 (21 ref.) (Eng. Abstr.) **(Pol)**

DRUG THERAPY

[Treatment of facial spasm with botulin A toxin] Adenis JP, et al. **J Fr Ophtalmol** 1990;13(5):259–64 (18 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Hemifacial spasm in an infant due to fourth ventricular ganglioglioma. Case report. Bills DC, et al. **J Neurosurg** 1991 Jul;75(1):134–7 (24 ref.)
Magnetic resonance imaging of vertebrobasilar ectasia in tic convulsif. Case report. Harsh GR 4th, et al. **J Neurosurg** 1991 Jun;74(6):999–1003 (22 ref.)

PHYSIOPATHOLOGY

Sudden death and paroxysmal autonomic dysfunction in stiff-man syndrome. Mitsumoto H, et al. **J Neurol** 1991 Apr;238(2):91–6 (42 ref.)

SURGERY

[A case of juvenile hemifacial spasm, successfully treated by microvascular decompression] Okada J, et al. **No Shinkei Geka** 1991 Jan;19(1):53–7 (17 ref.) (Eng. Abstr.) **(Jpn)**

[Accessory nerve decompression for the treatment of spasmodic torticollis] Shima F, et al. **No Shinkei Geka** 1990 Aug;18(8):693–700 (32 ref.) **(Jpn)**

THERAPY

Facial dystonia, essential blepharospasm and hemifacial spasm. Holds JB, et al. **Am Fam Physician** 1991 Jun; 43(6):2113–20 (13 ref.)

[Intravascular volume expansion and intravenous nimodipine in the treatment of cerebral vasospasm after surgical treatment of intracranial aneurysm] Adnet P, et al. **Agressologie** 1990 Jun;31(6):385–8 (23 ref.) (Eng. Abstr.) **(Fre)**

[Preoperative treatment of arterial spasm and preparation of the patient for surgery of intracranial aneurysm] Chacornac R. **Agressologie** 1990 Jun;31(6):315–9 (48 ref.) (Eng. Abstr.) **(Fre)**

SPASM, ESOPHAGEAL see **ESOPHAGEAL SPASM, DIFFUSE**

SPASMOLYTICS see **PARASYMPATHOLYTICS**

SPASMS, INFANTILE

[Infantile spasms] Nieto Barrera M. **An Esp Pediatr** 1990 Nov; 33 Suppl 43:37–43 (70 ref.) **(Spa)**

DIAGNOSIS

Chaos, balance, and development: thoughts on selected childhood epilepsy syndromes. Vining EP. **Epilepsia** 1990; 31 Suppl 3:S30–6 (44 ref.)

Early myoclonic encephalopathy, early infantile epileptic encephalopathy, and benign and severe infantile myoclonic epilepsies: a critical review and personal contributions. Lombroso CT. **J Clin Neurophysiol** 1990 Jul;7(3):380–408 (60 ref.)

What is a neonatal seizure? Problems in definition and quantification for investigative and clinical purposes. Shewmon DA. **J Clin Neurophysiol** 1990 Jul;7(3):315–68 (166 ref.)

Benign infantile epilepsy with complex partial seizures. Watanabe K, et al. **J Clin Neurophysiol** 1990 Jul;7(3):409–16 (14 ref.)

[Epileptic syndromes of infancy and early childhood] Todt H, et al. **Z Arztl Fortbild (Jena)** 1990;84(15):743–5 (14 ref.) **(Ger)**

ETIOLOGY

Benign neonatal seizures. Miles DK, et al. **J Clin Neurophysiol** 1990 Jul;7(3):369–79 (29 ref.)

Infantile spasms. Bobele GB, et al. **Neurol Clin** 1990 Aug; 8(3):633–45 (50 ref.)

GENETICS

'Benign' familial neonatal convulsions. Webb R, et al. **J Child Neurol** 1990 Oct;5(4):295–8 (15 ref.)

[Early myoclonic encephalopathy. Delimitation of the syndrome in view of genetic counseling] Voirin J, et al. **Pediatrie** 1991;46(4):323–7 (28 ref.) (Eng. Abstr.) **(Fre)**

[The Angelman or "happy puppet" syndrome] Kálmánchey R, et al. **Orv Hetil** 1990 Sep 30;131(39):2151–4 (24 ref.) (Eng. Abstr.) **(Hun)**

SPASMUS NUTANS see **SPASMS, INFANTILE**

SPASTIC PARAPARESIS see **PARAPARESIS, TROPICAL SPASTIC**

SPASTIC PARAPLEGIA see **PARAPLEGIA**

SPASTIC PARAPLEGIA, HEREDITARY

GENETICS

A Dutch family with autosomal dominant pure spastic paraparesis (Strümpell's disease). Scheltens P, et al. **Acta Neurol Scand** 1990 Sep;82(3):169–73 (23 ref.)

Corpus callosum agenesis, spastic quadriparesis and irregular lining of the lateral ventricles on CT-scan. A distinct X-linked mental retardation syndrome? Vles JS, et al. **Genet Couns** 1990;1(2):97–102 (19 ref.)

SPASTICITY, MUSCLE see **MUSCLE SPASTICITY**

SPATIAL BEHAVIOR

Behavioral approaches to spatial orientation in infancy. Acredolo L. **Ann N Y Acad Sci** 1990;608:596–607; discussion 607–12 (17 ref.)

Varieties of spatial cognition. Psychobiological considerations. Nadel L. **Ann N Y Acad Sci** 1990; 608:613–26; discussion 626–36 (51 ref.)

SPECIALTIES, DENTAL

Implant dentistry, the specialty. Guaccio RA. **N Y State Dent J** 1991 Jun–Jul;57(6):48–51 (0 ref.)

SPECIALTIES, MEDICAL

[Veterinary pathology: a vital specialism within veterinary medicine] Vos JH, et al. **Tijdschr Diergeneeskd** 1991 Jul 1;116(13):677–83 (66 ref.) (Eng. Abstr.) **(Dut)**

SPECIALTIES, NURSING

Ambulatory surgery and prepared discharges. Effects on orthopedic patients and nursing practice. Connolly ML. **Nurs Clin North Am** 1991 Mar;26(1):105–12 (20 ref.)

Pain management in the orthopedic patient. Mooney NE. **Nurs Clin North Am** 1991 Mar;26(1):73–87 (43 ref.)

SPECIES SPECIFICITY

Brains, bodies and metabolism. Armstrong E. **Brain Behav Evol** 1990;36(2–3):166–76 (82 ref.)

Evolutionary innovation in behavior and speciation: opportunities for behavioral neuroethology. Hoy RR. **Brain Behav Evol** 1990;36(2–3):141–53 (55 ref.)

The visual pathways of eutherian mammals and marsupials develop according to a common timetable. Robinson SR, et al. **Brain Behav Evol** 1990;36(4):177–95 (190 ref.)

Neuroethological approaches to the evolution of neural systems. Volman SF. **Brain Behav Evol** 1990;36(2–3):154–65 (60 ref.)

Normal and abnormal visual development in kittens: insights into the mechanisms that underlie visual perceptual development in humans. Mitchell DE. **Can J Psychol** 1989 Jun;43(2):141–64 (95 ref.)

Extrapolation by proximate inference. Dews PB. **Neurosci Biobehav Rev** 1991 Spring;15(1):149–51 (8 ref.)

Difficulties in using animal data to predict pharmacological response in man. Jenden DJ. **Neurosci Biobehav Rev** 1991 Spring;15(1):105–7 (39 ref.)

Animal-to-human extrapolation using compartmental models. Medina RL, et al. **Neurosci Biobehav Rev** 1991 Spring;15(1):57–61 (11 ref.)

Some animal models and their probability of extrapolation to man. Wolthuis OL. **Neurosci Biobehav Rev** 1991 Spring; 15(1):25–34 (71 ref.)

Extrapolation of animal toxicity to humans: interspecies comparisons in drug development. Voisin EM, et al. **Regul Toxicol Pharmacol** 1990 Oct;12(2):107–16 (55 ref.)

Correlation and revised nomenclature of ventral nuclei in the thalamus of human and monkey. Jones EG. **Stereotact Funct Neurosurg** 1990;54–55:1–20 (53 ref.)

[Retino-hypothalamic pathways in vertebrates] Tilgner S, et al. **Klin Monatsbl Augenheilkd** 1990 Oct;197(4):295–301 (131 ref.) (Eng. Abstr.) **(Ger)**

SPECIESISM see **ANIMAL WELFARE**

SPECIMEN HANDLING

Bile sampling, processing and analysis in clinical studies. Strasberg SM, et al. **Hepatology** 1990 Sep;12(3 Pt 2):176S–180S; discussion 180S–182S (44 ref.)

Sample preparation for the HPLC analysis of drugs in biological fluids. McDowall RD, et al. **J Pharm Biomed Anal** 1989;7(9):1087–96 (25 ref.)

[The use of polystyrene-divinylbenzene-copolymers for the preparation of biological samples in drug control] Maass S, et al. **Pharmazie** 1990 Jul;45(8):549–54 (57 ref.) **(Ger)**

METHODS

Noninvasive techniques for improving fertility potential of retrograde ejaculates. Check JH, et al. **Arch Androl** 1990; 25(3):271–6 (20 ref.)

Laboratory handling of impalpable breast lesions: a review. Armstrong JS, et al. **J Clin Pathol** 1991 Feb;44(2):89–93 (40 ref.)

STANDARDS

Assessing the risk of occupational acquisition of the human immunodeficiency virus: implications for hospital policy. Orient JM. **South Med J** 1990 Oct;83(10):1121–7 (45 ref.)

VETERINARY

Techniques and significance of gamete collection and storage in the great apes. Gould KG. **J Med Primatol** 1990; 19(6):537–51 (35 ref.)

Performing a complete canine semen evaluation in a small animal hospital. Johnston SD. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):545–51 (11 ref.)

Achieving canine pregnancy by using frozen or chilled extended semen. Linde-Forsberg C. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):467–85 (63 ref.)

SPECT see **TOMOGRAPHY, EMISSION-COMPUTED, SINGLE-PHOTON**

SPECTACLES see **EYEGLASSES**

SPECTRIN

CHEMISTRY

The spectrin skeleton: from red cells to brain. Bennett V, et al. **J Clin Invest** 1991 May;87(5):1483–9 (75 ref.)

PHYSIOLOGY

Spectrin-based membrane skeleton: a multipotential adaptor between plasma membrane and cytoplasm [published erratum appears in Physiol Rev 1991 Jan;71(1):preceding Table of Contents] Bennett V. **Physiol Rev** 1990 Oct; 70(4):1029–65 (441 ref.)

SPECTROFLUOROMETRY see **SPECTROMETRY, FLUORESCENCE**

SPECTROMETRY, FLUORESCENCE

Time-resolved fluorescence spectroscopy. Applications to calmodulin. Anderson SR. **J Biol Chem** 1991 Jun 25; 266(18):11405–8 (39 ref.)

METHODS

Fluorescence techniques for studying protein structure. Eftink MR. **Methods Biochem Anal** 1991;35:127–205 (409 ref.)

SPECTROMETRY, MASS see **SPECTRUM ANALYSIS, MASS**

SPECTROMETRY, MASS, FAST ATOM BOMBARDMENT

Mass spectrometry of beta-lactam antibiotics with special reference to ionization by fast atom bombardment (FAB). Casy AF, et al. **J Pharm Biomed Anal** 1989;7(10):1121–57 (22 ref.)

[Determination of the primary structures of proteins by mass spectrometry] Shimonishi Y. **Tanpakushitsu Kakusan Koso** 1991 Jun;36(8):1509–20 (81 ref.) **(Jpn)**

SPECTROMETRY, MASS-GAS CHROMATOGRAPHY see **MASS FRAGMENTOGRAPHY**

SPECTROMETRY, PARTICLE-INDUCED X-RAY EMISSION see **SPECTROMETRY, X-RAY EMISSION**

SPECTROMETRY, PROTON-INDUCED X-RAY EMISSION see **SPECTROMETRY, X-RAY EMISSION**

SPECTROMETRY, X-RAY EMISSION

From E.M. microprobe analysis to NMRD studies of the lens. Clark JI, et al. **Lens Eye Toxic Res** 1989;6(4):523–39 (31 ref.)

Code of practice for clinical proton dosimetry. Vynckier S, et al. **Radiother Oncol** 1991 Jan;20(1):53–63 (33 ref.)

SPECTROMETRY, X-RAY EMISSION, ELECTRON MICROSCOPIC see **ELECTRON PROBE MICROANALYSIS**

SPECTROMETRY, X-RAY EMISSION, ELECTRON PROBE see **ELECTRON PROBE MICROANALYSIS**

SPECTROMETRY, X-RAY FLUORESCENCE see **SPECTROMETRY, X-RAY EMISSION**

SPECTROPHOTOMETRY

METHODS

Optical method. Chance B. **Annu Rev Biophys Biophys Chem** 1991;20:1–28 (151 ref.)

SPECTROPHOTOMETRY, INFRARED

Introduction to Fourier transform infrared spectroscopy and applications in the pharmaceutical sciences. Markovich RJ, et al. **Pharm Res** 1991 Jun;8(6):663–75 (37 ref.)

METHODS

Use of capnography in critically ill adults. Szaflarski NL, et al. **Heart Lung** 1991 Jul;20(4):363–72 (45 ref.)

SPECTROSCOPY see **SPECTRUM ANALYSIS**

SPECTROSCOPY, MAGNETIC RESONANCE see **NUCLEAR MAGNETIC RESONANCE**

SPECTROSCOPY, MASS see **SPECTRUM ANALYSIS, MASS**

SPECTROSCOPY, MASS, FAST ATOM BOMBARDMENT see **SPECTROMETRY, MASS, FAST ATOM BOMBARDMENT**

SPECTROSCOPY, NUCLEAR MAGNETIC RESONANCE see **NUCLEAR MAGNETIC RESONANCE**

SPECTRUM ANALYSIS

Photosynthetic reaction centers: interfacing molecular genetics and optical spectroscopy. Youvan DC. **Trends Biochem Sci** 1991 Apr;16(4):145–9 (42 ref.)

INSTRUMENTATION

Ion mobility spectrometry. Hill HH Jr, et al. **Anal Chem** 1990 Dec 1;62(23):1201A–1209A (57 ref.)

METHODS

Test models to determine potential ocular drug induced side effects. Lerman S. **Lens Eye Toxic Res** 1989;6(1–2):1–36 (50 ref.)

In vivo and in vitro non invasive studies on the ocular lens. Lerman S. **Lens Eye Toxic Res** 1989;6(4):503–14 (51 ref.)

Mass spectrometry and its use in tandem with laser spectroscopy. Grant ER, et al. **Science** 1990 Oct 5; 250(4977):61–8 (138 ref.)

[Protein dynamics revealed by an ultrafast time-resolved spectroscopy of tryptophan] Tanaka F, et al. **Tanpakushitsu Kakusan Koso** 1990 Oct;35(13):2223–33 (60 ref.) **(Jpn)**

SPECTRUM ANALYSIS, MASS

The widening horizons of bioanalytical mass spectrometry. Hill RE. **Clin Chim Acta** 1990 Dec 17;194(1):1–17 (23 ref.)

Quantification of steroid conjugates using fast atom bombardment mass spectrometry. Gaskell SJ. **Steroids** 1990 Oct;55(10):458–62 (21 ref.)

INSTRUMENTATION

Plasma desorption mass spectrometry of large biomolecules. Roepstorff P. **J Pharm Biomed Anal** 1989;7(2):247–53 (22 ref.)

Tandem mass spectrometry: quadrupole and hybrid instruments. Yost RA, et al. **Methods Enzymol** 1990; 193:154–200 (107 ref.)

Membrane inlet mass spectrometry: a universal monitor for dissolved gases in microbial physiology. Cox RP, et al. **Microbiol Sci** 1984 Nov;1(8):200–3 (17 ref.)

[Isotope-mass spectrometry. Basis and possible use] Carle R. **Pharm Unserer Zeit** 1991 Mar;20(2):75–82 (18 ref.) **(Ger)**

METHODS

Beyond gene sequencing: analysis of protein structure with mass spectrometry. Fenselau C. **Annu Rev Biophys Biophys Chem** 1991;20:205–20 (98 ref.)

Use of capnography in critically ill adults. Szaflarski NL, et al. **Heart Lung** 1991 Jul;20(4):363–72 (45 ref.)

Glycoconjugates: overview and strategy. Laine RA. **Methods Enzymol** 1990;193:539–53 (54 ref.)

Constituents of nucleic acids: overview and strategy. McCloskey JA. **Methods Enzymol** 1990;193:771–81 (56 ref.)

Mass spectrometry and its use in tandem with laser spectroscopy. Grant ER, et al. **Science** 1990 Oct 5; 250(4977):61–8 (138 ref.)

[Use of mass spectrometry for the analysis of protein sequence] Hetper J, et al. **Postepy Biochem** 1989; 35(4):609–21 (28 ref.) **(Pol)**

SPECTRUM ANALYSIS, MASS-GAS CHROMATOGRAPHY see **MASS FRAGMENTOGRAPHY**

SPEECH

see related
VERBAL BEHAVIOR

Methods and goals of speech production research. Fujimura O. **Lang Speech** 1990 Jul–Sep;33 (Pt 3):195–258 (307 ref.)

PHYSIOLOGY

[Biology of human speech communication] Hertrich I. **Anthropol Anz** 1991 Mar;49(1–2):97–119 (29 ref.) (Eng. Abstr.) **(Ger)**

[The relationships of restorative and prosthetic surgical measures with voice and speech functions] Reitemeier G, et al. **Zahn Mund Kieferheilkd** 1990;78(6):507–12 (6 ref.) (Eng. Abstr.) **(Ger)**

[The potentials for testing voice and speech functions from the oral medicine viewpoint. A review paper] Reitemeier G, et al. **Zahn Mund Kieferheilkd** 1990;78(5):417–23 (13 ref.) (Eng. Abstr.) **(Ger)**

[Current problems in the study of the structural-functional organization of the acoustic-speech system of the brain] Vartanian IA. **Usp Fiziol Nauk** 1991 Apr–Jun;22(2):19–32 (76 ref.) **(Rus)**

[The vocalization and speech systems of the brain: an evolutionary neurobiological analysis] Vartanian IA, et al. **Zh Evol Biokhim Fiziol** 1990 Nov–Dec;26(6):826–36 (43 ref.) **(Rus)**

SPEECH ACOUSTICS

Central auditory function. Keith RW, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):371–9 (13 ref.)

SPEECH, ALARYNGEAL

METHODS

Mechanisms for vocal communication following total laryngectomy. Trudeau MD, et al. **Cancer Treat Res** 1990; 52:117–31 (48 ref.)

SPEECH DISCRIMINATION see **SPEECH PERCEPTION**

SPEECH DISORDERS

DIAGNOSIS

Taxonomies in biology, phonetics, phonology, and speech motor control. Folkins JW, et al. **J Speech Hear Disord** 1990 Nov;55(4):596–611 (141 ref.)

EPIDEMIOLOGY

Morbidity, epidemiology and systems analysis in phoniatrics: introduction, literature, updating. Schindler O. **Folia Phoniatr (Basel)** 1990;42(6):320–6 (4 ref.)

REHABILITATION

Amplification as a remediation technique for children with normal peripheral hearing. Committee on Amplification for the Hearing Impaired American Speech-Language-Hearing Association. **ASHA** 1991 Jan; 33(1 Suppl 3):22–4 (21 ref.)

SURGERY

Pharyngeal flap surgery in adults. Hall CD, et al. **Cleft Palate Craniofac J** 1991 Apr;28(2):179–82; discussion 182–3 (18 ref.)

SPEECH INTELLIGIBILITY

see related
SPEECH PRODUCTION MEASUREMENT

SPEECH-LANGUAGE PATHOLOGY

METHODS

Video applications: past, present, and future. Huer MB, et al. **ASHA** 1990 Nov;32(11):57–60, 68 (29 ref.)

The changing role of the speech-language pathologist in pediatric rehabilitation/habilitation. Gardner J, et al. **Pediatrician** 1990;17(4):283–6 (9 ref.)

SPEECH PATHOLOGY see **SPEECH-LANGUAGE PATHOLOGY**

SPEECH PERCEPTION

Socio-perceptual bases for the emergence of language: an alternative to innatist approaches. Zukow PG. **Dev Psychobiol** 1990 Nov;23(7):705–26 (145 ref.)

PHYSIOLOGY

Acquired word deafness, and the temporal grain of sound representation in the primary auditory cortex. Phillips DP, et al. **Behav Brain Res** 1990 Nov 15;40(2):85–94 (84 ref.)

The components and neuroanatomic bases of prosody. Merewether FC, et al. **J Commun Disord** 1990 Aug–Oct; 23(4–5):325–36 (70 ref.)

[Biology of human speech communication] Hertrich I. **Anthropol Anz** 1991 Mar;49(1–2):97–119 (29 ref.) (Eng. Abstr.) **(Ger)**

[Current problems in the study of the structural-functional organization of the acoustic-speech system of the brain] Vartanian IA. **Usp Fiziol Nauk** 1991 Apr–Jun;22(2):19–32 (76 ref.) **(Rus)**

SPEECH PRODUCTION MEASUREMENT

METHODS

Taxonomies in biology, phonetics, phonology, and speech motor control. Folkins JW, et al. **J Speech Hear Disord** 1990 Nov;55(4):596–611 (141 ref.)

SPEECH SOUNDS see **PHONETICS**

SPEECH SYNTHESIZERS see **COMMUNICATION AIDS FOR HANDICAPPED**

SPEECH THERAPY

Aural rehabilitation. Tyler RS, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):429–45 (84 ref.)

METHODS

Laryngeal cancer: diagnosis, treatment and speech rehabilitation. McKenna JP, et al. **Am Fam Physician** 1991 Jul;44(1):123–9 (16 ref.)

SPERM see **SPERMATOZOA**

SPERM CAPACITATION

Morphology of mammalian sperm membranes during differentiation, maturation, and capacitation. Bearer EL, et al. **J Electron Microsc Tech** 1990 Dec;16(4):281–97 (58 ref.)

PHYSIOLOGY

Cyclic nucleotides and mammalian sperm capacitation. Fraser LR, et al. **J Reprod Fertil Suppl** 1990;42:9–21 (94 ref.)

SPERM COUNT

VETERINARY

Performing a complete canine semen evaluation in a small animal hospital. Johnston SD. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):545–51 (11 ref.)

SPERM MATURATION

Morphology of mammalian sperm membranes during differentiation, maturation, and capacitation. Bearer EL, et al. **J Electron Microsc Tech** 1990 Dec;16(4):281–97 (58 ref.)

SPERM MOTILITY

[Movement characteristics of the spermatozoa] Lu CX. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul;21(3):208–15 (35 ref.) **(Chi)**

SPERM NUMBER see **SPERM COUNT**

SPERM-OVUM INTERACTIONS

Factors affecting penetration of zona-free hamster ova. Chang YS, et al. **Arch Androl** 1990;25(3):213–24 (47 ref.)

Ultrastructure of sperm, spermiogenesis, and sperm-egg interactions in selected invertebrates and lower vertebrates which use external fertilization. Koch RA, et al. **J Electron Microsc Tech** 1990 Oct;16(2):115–54 (129 ref.)

GENETICS

Micro-insemination: genetic aspects. Ng SC, et al. **Arch Androl** 1990;25(3):261–70 (49 ref.)

PHYSIOLOGY

How the egg regulates sperm function during gamete interaction: facts and fantasies. Saling PM. **Biol Reprod** 1991 Feb;44(2):246–51 (39 ref.)

Current concepts in gamete receptors for fertilization in mammals. Sidhu KS, et al. **Int Rev Cytol** 1991;127:253–88 (220 ref.)

Excitation, activation and sperm entry in voltage-clamped sea-urchin eggs. Chambers EL, et al. **J Reprod Fertil Suppl** 1990;42:117–32 (33 ref.)

Phosphoinositides and their products in the mammalian sperm acrosome reaction. Harrison RA, et al. **J Reprod Fertil Suppl** 1990;42:51–67 (93 ref.)

Egg signals for triggering the acrosome reaction in starfish spermatozoa. Hoshi M, et al. **J Reprod Fertil Suppl** 1990; 42:23–31 (21 ref.)

First messengers at fertilization. Jaffe LA. **J Reprod Fertil Suppl** 1990;42:107–16 (45 ref.)

Identification and functions of mammalian sperm-egg recognition molecules during fertilization. Jones R. **J Reprod Fertil Suppl** 1990;42:89–105 (94 ref.)

Zona pellucida-mediated signal transduction in mammalian spermatozoa. Kopf GS. **J Reprod Fertil Suppl** 1990; 42:33–49 (67 ref.)

Cell signalling at fertilization of hamster eggs. Miyazaki S. **J Reprod Fertil Suppl** 1990;42:163–75 (44 ref.)

Development of sperm-egg recognition processes in mammals. Moore HD. **J Reprod Fertil Suppl** 1990;42:71–8 (42 ref.)

Molecular mechanisms of sea-urchin sperm activation before fertilization. Shapiro BM, et al. **J Reprod Fertil Suppl** 1990; 42:3–8 (39 ref.)

Regulation of mammalian fertilization by zona pellucida glycoproteins. Wassarman PM. **J Reprod Fertil Suppl** 1990; 42:79–87 (52 ref.)

Clinical relevance of evaluation of sperm and ova. Zamboni L. **Monogr Pathol** 1991;(33):10–31 (43 ref.)

[Several new concepts on the terminal mechanism of mammal fertilization] Reyes A, et al. **Ginecol Obstet Mex** 1990 Oct; 58:292–9 (40 ref.) (Eng. Abstr.) **(Spa)**

[Combination of various sperm tests yields a good picture of fertilization capacity] Gottlieb C. **Lakartidningen** 1990 Dec 19;87(51–52):4451–3 (14 ref.) **(Swe)**

SPERM PENETRATION see **SPERM-OVUM INTERACTIONS**

SPERM TRANSPORT

PHYSIOLOGY

Cervical mucus and sperm transport in reproduction. Overstreet JW, et al. **Semin Perinatol** 1991 Apr;

15(2):149–55 (40 ref.)

SPERMATIC CORD

A case of funicular schwannoma. Romics I, et al. **Acta Chir Hung** 1990;31(2):187–9 (16 ref.)

Malignant fibrous histiocytoma: review and case report. Maguire BM, et al. **Aust N Z J Surg** 1991 Aug;61(8):636–9 (22 ref.)

Malignant mesothelioma of the tunica vaginalis testis. Carp NZ, et al. **J Urol** 1990 Dec;144(6):1475–8 (29 ref.)

[Leiomyosarcoma of the spermatic cord: a case report] Takaha N, et al. **Hinyokika Kiyo** 1991 Feb;37(2):191–3 (10 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Well-differentiated liposarcoma of the paratesticular area: report of a case with fine-needle aspiration preoperative diagnosis and review of the literature. Dalla Palma P, et al. **Diagn Cytopathol** 1990;6(6):421–6 (49 ref.)

SURGERY

Penopubic and penile testicular ectopia. Redman JF, et al. **South Med J** 1991 Apr;84(4):535–6 (16 ref.)

[Varicocele in childhood and adolescence. Evaluation apropos of a series of 58 cases] Peyret C, et al. **Ann Urol (Paris)** 1990;24(4):301–5 (14 ref.) (Eng. Abstr.) **(Fre)**

SPERMATIC CORD TORSION

Extravaginal torsion of spermatic cord in adult. Abber JC, et al. **Urology** 1991 Jul;38(1):79–81 (8 ref.)

[Testicular torsion in neonates. With special emphasis on bilateral cases] Felding C, et al. **Ugeskr Laeger** 1990 Oct 29;152(44):3240–2 (24 ref.) (Eng. Abstr.) **(Dan)**

CONGENITAL

[Prenatal testicular torsion. Presentation of a case and review of the literature] Flores-Rivera AR, et al. **Bol Med Hosp Infant Mex** 1991 Feb;48(2):117–20 (33 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Testicular torsion: experience with 28 cases] Jara Rascón J, et al. **Arch Esp Urol** 1990 Oct;43(8):837–40 (312 ref.) (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

A false-positive scan for testicular torsion and false-negative scan for epididymitis. Rosenson AS, et al. **Clin Nucl Med** 1990 Dec;15(12):863–4 (11 ref.)

SURGERY

Testicular torsion: a surgical emergency. Prater JM, et al. **Am Fam Physician** 1991 Sep;44(3):834–40 (25 ref.)

SPERMATOCIDAL AGENTS

Barrier contraceptives, spermicides, and periodic abstinence. Connell EB. **Curr Opin Obstet Gynecol** 1991 Aug; 3(4):477–81 (35 ref.)

The spermicidal effect of ethylene dibromide in bulls and rams. Amir D. **Mol Reprod Dev** 1991 Jan;28(1):99–109 (29 ref.)

ADVERSE EFFECTS

Spermicides, hormonal contraception and congenital malformations. Simpson JL, et al. **Adv Contracept** 1990 Sep; 6(3):141–67 (84 ref.)

THERAPEUTIC USE

Contraception—a look forward, Part I: New spermicides and natural family planning. Woolley RJ. **J Am Board Fam Pract** 1991 Jan–Feb;4(1):33–46 (90 ref.)

SPERMATOCYTES

see related
SPERM MATURATION

PHYSIOLOGY

Evaluation and treatment of a male factor component to unexplained infertility. Check JH, et al. **Arch Androl** 1990; 25(3):199–211 (51 ref.)

SPERMATOGENESIS

Ultrastructure of sperm, spermiogenesis, and sperm–egg interactions in selected invertebrates and lower vertebrates which use external fertilization. Koch RA, et al. **J Electron Microsc Tech** 1990 Oct;16(2):115–54 (129 ref.)

[Incidence of structural chromosomal abnormalities in spermatogenesis in man] Luciani JM, et al. **Reprod Nutr Dev** 1990;Suppl 1:95s–103s (49 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Spermatogenesis of Drosophila hydei. Hennig W, et al. **Int Rev Cytol** 1990;123:129–75 (88 ref.)

On the parental origin of de novo mutation in man. Chandley AC. **J Med Genet** 1991 Apr;28(4):217–23 (55 ref.)

SPERMATOZOA

see related
OLIGOSPERMIA

[Molecular mechanisms of regulating mammalian sex and problems of fractionating spermatozoa] Popov LS, et al. **Mol Biol (Mosk)** 1991 Jan–Feb;25(1):22–42 (125 ref.) (Eng. Abstr.) **(Rus)**

ABNORMALITIES

[Incidence of structural chromosomal abnormalities in spermatogenesis in man] Luciani JM, et al. **Reprod Nutr Dev** 1990;Suppl 1:95s–103s (49 ref.) (Eng. Abstr.) **(Fre)**

[Chromosome abnormalities of human gametes] Sèle B, et al. **Reprod Nutr Dev** 1990;Suppl 1:75s–82s (15 ref.) (Eng. Abstr.) **(Fre)**

CHEMISTRY

PCR analysis of DNA sequences in single cells: single sperm gene mapping and genetic disease diagnosis. Arnheim N, et al. **Genomics** 1990 Nov;8(3):415–9 (18 ref.)

Distribution patterns of CCK and CCK mRNA in some neuronal and non-neuronal tissues. Hökfelt T, et al. **Neuropeptides** 1991 Jul;19 Suppl:31–43 (83 ref.)

CYTOLOGY

Genetic mapping by single sperm typing. Arnheim N, et al. **Anim Genet** 1991;22(2):105–15 (23 ref.)

Sperm nuclear stability and male infertility. Jager S. **Arch Androl** 1990;25(3):253–9 (48 ref.)

The sea urchin spermatozoon. Brokaw CJ. **Bioessays** 1990 Sep;12(9):449–52 (32 ref.)

DRUG EFFECTS

The spermicidal effect of ethylene dibromide in bulls and rams. Amir D. **Mol Reprod Dev** 1991 Jan;28(1):99–109 (29 ref.)

IMMUNOLOGY

Antisperm antibodies. Cropp CS, et al. **Arch Immunol Ther Exp (Warsz)** 1990;38(1–2):31–46 (111 ref.)

Sperm and seminal plasma antigens relevant to contraceptive vaccine development. Isojima S. **Curr Opin Immunol** 1989–90;2(5):752–6 (17 ref.)

Sperm surface antigens involved in mammalian fertilization: their role in contraceptive vaccine development for humans. Naz RK. **Curr Opin Immunol** 1989–90;2(5):748–51 (18 ref.)

Autoimmunity to sperm antigens. Raghupathy R, et al. **Curr Opin Immunol** 1989–90;2(5):757–60 (17 ref.)

[Immunological causes of male infertility] Hassoun S, et al. **Allerg Immunol (Paris)** 1991 Apr;23(4):121–5 (18 ref.) (Eng. Abstr.) **(Fre)**

[Interactions between the reproductive and immune systems] Kurpisz M. **Postepy Hig Med Dosw** 1989;43(5–6):365–409 (155 ref.) (Eng. Abstr.) **(Pol)**

[Surface antigens of male germ cells—their identification and functional analysis] Kurpisz M. **Postepy Hig Med Dosw** 1990;44(1–3):1–19 (85 ref.) (Eng. Abstr.) **(Pol)**

METABOLISM

DNA packaging and organization in mammalian spermatozoa: comparison with somatic cells. Ward WS, et al. **Biol Reprod** 1991 Apr;44(4):569–74 (52 ref.)

Zona pellucida-mediated signal transduction in mammalian spermatozoa. Kopf GS. **J Reprod Fertil Suppl** 1990; 42:33–49 (67 ref.)

Cell signalling at fertilization of hamster eggs. Miyazaki S. **J Reprod Fertil Suppl** 1990;42:163–75 (44 ref.)

Profile of a mammalian sperm receptor gene. Kinloch RA, et al. **New Biol** 1989 Dec;1(3):232–8 (64 ref.)

PHYSIOLOGY

Hypoosmotic swelling test of sperm. Takahashi K, et al. **Arch Androl** 1990;25(3):225–42 (77 ref.)

Evaluation of human sperm function. Aitken RJ. **Br Med Bull** 1990 Jul;46(3):654–74 (51 ref.)

Excitation, activation and sperm entry in voltage-clamped sea-urchin eggs. Chambers EL, et al. **J Reprod Fertil Suppl** 1990;42:117–32 (33 ref.)

Development of sperm–egg recognition processes in mammals. Moore HD. **J Reprod Fertil Suppl** 1990;42:71–8 (42 ref.)

Molecular mechanisms of sea-urchin sperm activation before fertilization. Shapiro BM, et al. **J Reprod Fertil Suppl** 1990; 42:3–8 (39 ref.)

Clinical relevance of evaluation of sperm and ova. Zamboni L. **Monogr Pathol** 1991;(33):10–31 (43 ref.)

The differential roles of parental genomes in mammalian development. Norris ML, et al. **Oxf Rev Reprod Biol** 1990; 12:225–44 (85 ref.)

[Movement characteristics of the spermatozoa] Lu CX. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul;21(3):208–15 (35 ref.) **(Chi)**

[The fertilization potential of sperm] Grillo JM. **J Gynecol Obstet Biol Reprod (Paris)** 1991;20(1):19–25 (44 ref.) (Eng. Abstr.) **(Fre)**

[Male infertility] Katayama T. **Nippon Hinyokika Gakkai Zasshi** 1990 Sep;81(9):1287–301 (106 ref.) **(Jpn)**

[The long-term storage of spermatozoa and its role in vertebrate fertilization] Maksudov GIu. **Biol Nauki** 1991; (2):57–64 (22 ref.) (Eng. Abstr.) **(Rus)**

[The interaction of testicular protein and steroid hormones in regulating the function of the germ cells] Gladkova AI, et al. **Usp Fiziol Nauk** 1991 Apr–Jun;22(2):103–23 (79 ref.) **(Rus)**

ULTRASTRUCTURE

The fate of sperm specific non-histone chromosomal proteins after fertilization in sea urchins. Imschenetzky M, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):241–5 (21 ref.)

Ultrastructural studies on the fertilization of mammalian gametes. Oura C, et al. **Int Rev Cytol** 1990;122:105–51 (303 ref.)

Morphology of mammalian sperm membranes during differentiation, maturation, and capacitation. Bearer EL, et al. **J Electron Microsc Tech** 1990 Dec;16(4):281–97 (58 ref.)

Ultrastructure of sperm, spermiogenesis, and sperm–egg interactions in selected invertebrates and lower vertebrates which use external fertilization. Koch RA, et al. **J Electron Microsc Tech** 1990 Oct;16(2):115–54 (129 ref.)

SPERMICIDAL AGENTS see **SPERMATOCIDAL AGENTS**

SPERMIDINE

ANALOGS & DERIVATIVES

Trypanothione metabolism and rational approaches to drug design. Fairlamb AH. **Biochem Soc Trans** 1990 Oct; 18(5):717–20 (35 ref.)

SPERMIOCYTES see **SPERMATOCYTES**

SPHAEROPHORUS INFECTIONS see **FUSOBACTERIUM INFECTIONS**

SPHAGNUM see **PLANTS**

SPHENOID BONE

Clinoidal meningiomas. Al-Mefty O. **J Neurosurg** 1990 Dec; 73(6):840–9 (60 ref.)

[A case of tuberculoma of the orbit with sphenoidal origin] Van Effenterre G, et al. **J Fr Ophtalmol** 1990;13(1–2):62–8 (26 ref.) (Eng. Abstr.) **(Fre)**

[Solitary plasmacytoma simulating pituitary adenoma] Jacquet G, et al. **Neurochirurgie** 1991;37(1):67–71 (19 ref.) (Eng. Abstr.) **(Fre)**

[Giant cell tumor of the sphenoid bone: presentation of a case and review of the literature] Martínez Martínez J, et al. **Arch Neurobiol (Madr)** 1990 Jul–Aug;53(4):157–61 (35 ref.) (Eng. Abstr.) **(Spa)**

INJURIES

[Sphenoid fissure syndrome in orbital fractures. Case presentation and literature review] Menard P, et al. **Rev Stomatol Chir Maxillofac** 1991;92(3):193–8 (30 ref.) (Eng. Abstr.) **(Fre)**

INNERVATION

Anatomic study of the otic ganglion in humans. Roitman R, et al. **Head Neck** 1990 Nov–Dec;12(6):503–6 (8 ref.)

SURGERY

Benign osteoblastoma of the sphenoid bone. Ciappetta P, et al. **Neurochirurgia (Stuttg)** 1991 May;34(3):97–100 (34 ref.)

SPHENOID SINUS

Mucoceles of the sphenoidal sinus. Report of six cases and review of the literature. Barat JL, et al. **J Neuroradiol** 1990; 17(2):135–51 (44 ref.) **(Eng, Fre)**

[The problems posed by nasosinusal chondrosarcoma: a review of the literature and a case report] Esteban Ortega F, et al. **An Otorrinolaringol Ibero Am** 1990;17(5):519–34 (38 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Telecanthal approach for meningiomas in the ethmoid and sphenoid sinuses. Fujitsu K, et al. **Neurosurgery** 1991 May; 28(5):714–9; discussion 719–20 (50 ref.)

[Advances in rhinoneurosurgery] Pu G. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1988;23(2):120–3 (20 ref.) **(Chi)**

SPHENOID SINUSITIS

COMPLICATIONS

[Isolated sphenoidal aspergillosis presenting as an optic neuropathy] Cudennec YF, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(3):227–30 (14 ref.) (Eng. Abstr.) **(Fre)**

SPHEROCYTOSIS, HEREDITARY

see related
ANEMIA, SIDEROBLASTIC

Current problems in haematology. 2: Hereditary spherocytosis. Smedley JC, et al. **J Clin Pathol** 1991 Jun; 44(6):441–4 (9 ref.)

BLOOD

Clinical and molecular aspects of disorders of the erythrocyte membrane skeleton. Gallagher PG, et al. **Semin Perinatol** 1990 Oct;14(5):351–67 (178 ref.)

GENETICS

Genetics of the red cell membrane skeleton. Palek J, et al. **Semin Hematol** 1990 Oct;27(4):290–332 (368 ref.)

SPHINCTEROPLASTY, TRANSDUODENAL see **SPHINCTEROTOMY, TRANSHEPATIC**

SPHINCTEROTOMY, TRANSDUODENAL see **SPHINCTEROTOMY, TRANSHEPATIC**

SPHINCTEROTOMY, TRANSHEPATIC

The place of endoscopy in the management of gallstones. Winslet MC, et al. **Baillieres Clin Gastroenterol** 1991 Mar; 5(1):99–129 (221 ref.)

Acute gallstone pancreatitis and endoscopic therapy. Carr-Locke DL. **Endoscopy** 1990 Jul;22(4):180–3 (47 ref.)

[Endoscopic sphincterotomy in choledocholithiasis: analysis of an experience of 530 interventions] Ginestal-Cruz A, et al. **Acta Med Port** 1990 May–Jun;3(3):133–40 (30 ref.) (Eng. Abstr.) **(Por)**

ADVERSE EFFECTS

Endoscopic sphincterotomy complications and their management: an attempt at consensus. Cotton PB, et al. **Gastrointest Endosc** 1991 May–Jun;37(3):383–93 (102 ref.)

ERCP- and endoscopic sphincterotomy-induced pancreatitis. Sherman S, et al. **Pancreas** 1991 May; 6(3):350–67 (181 ref.)

METHODS

[Percutaneous transhepatic sphincterotomy] Gandini G, et al. **Radiol Med (Torino)** 1990 Dec;80(6):893–7 (14 ref.) (Eng. Abstr.) **(Ita)**

[Endoscopic papillotomy] Ermolov AS, et al. **Khirurgiia (Mosk)** 1991 Mar;(3):129–34 (43 ref.) **(Rus)**

SPHINGOGLYCOLIPIDS see **GLYCOSPHINGOLIPIDS**

SPHINGOLIPIDOSIS

DIAGNOSIS

[The biochemical diagnosis of lysosomal storage diseases at medical genetic centers. II. Glycoproteinoses, sphingolipidoses (review of the literature] Gusina NB, et al. **Lab Delo** 1990;(12):4–12 (54 ref.) **(Rus)**

SPHINGOLIPIDS

METABOLISM

Cell regulation by sphingosine and more complex sphingolipids. Merrill AH Jr. **J Bioenerg Biomembr** 1991 Feb;23(1):83–104 (148 ref.)

SPHINGOMYELINS

METABOLISM

Intracellular transport and metabolism of sphingomyelin. Koval M, et al. **Biochim Biophys Acta** 1991 Mar 12; 1082(2):113–25 (196 ref.)

PHARMACOLOGY

Photosensitization of cultured cells and viruses by pyrene lipids. Gatt S, et al. **Indian J Biochem Biophys** 1990 Dec; 27(6):359–62 (23 ref.)

SPHINGOSINE

METABOLISM

Cell regulation by sphingosine and more complex sphingolipids. Merrill AH Jr. **J Bioenerg Biomembr** 1991 Feb;23(1):83–104 (148 ref.)

SPHYGMOMANOMETERS, CONTINUOUS see **BLOOD PRESSURE MONITORS**

SPIDER BITE see **ARACHNIDISM**

SPIDER VENOMS

[Review of latrodectism and Malmignatta sting (Latrodectus tredecimguttatus) in Italy] Torregiani F, et al. **Minerva Med** 1990 Jul–Aug;81(7–8 Suppl):147–54 (74 ref.) (Eng. Abstr.) **(Ita)**

ANALYSIS

Spider toxin and the glutamate receptors. Kawai N, et al. **Comp Biochem Physiol [C]** 1991;98(1):87–95 (43 ref.)

PHARMACOLOGY

Spider toxin and the glutamate receptors. Kawai N, et al. **Comp Biochem Physiol [C]** 1991;98(1):87–95 (43 ref.)

[Glutamate receptor and spider toxins] Kawai N, et al. **Seikagaku** 1990 Oct;62(10):1241–53 (61 ref.) **(Jpn)**

SPIN LABELS

see related
ELECTRON SPIN RESONANCE

Use of electron spin resonance spectroscopy of spin labels for studying drug–induced membrane perturbation. Ondriaš K. **J Pharm Biomed Anal** 1989;7(6):649–75 (282 ref.)

SPINA BIFIDA see **SPINAL DYSRAPHISM**

SPINA BIFIDA APERTA see **SPINA BIFIDA CYSTICA**

SPINA BIFIDA CYSTICA

COMPLICATIONS

Neurologic status of spina bifida patients and the orthopedic surgeon. Mazur JM, et al. **Clin Orthop** 1991 Mar; (264):54–64 (22 ref.)

SPINA BIFIDA MANIFESTA see **SPINA BIFIDA CYSTICA**

SPINA BIFIDA OCCULTA

COMPLICATIONS

[Neurogenic bladder dysfunction due to spina bifida and sacral dysgenesis manifested itself in middle age. Report of a case] Kaneoya F, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Jul;81(7):1091–4 (4 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Cervical neurenteric fistula causing recurrent meningitis in Klippel–Feil sequence: case report and literature review. Gumerlock MK, et al. **Pediatr Infect Dis J** 1991 Jul; 10(7):532–5 (24 ref.)

[The congenital cervical dermal sinus. A clinical case report and review of the literature] Ceddia A, et al. **Minerva Pediatr** 1990 Dec;42(12):553–8 (20 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

The tethered spinal cord. Etiology and clinical manifestations. Schmidt DM, et al. **Orthop Rev** 1990 Oct; 19(10):870–6 (34 ref.)

PATHOLOGY

Craniospinal neurenteric cyst. Koksel T, et al. **Br J Neurosurg** 1990;4(5):425–8 (22 ref.)

Neurenteric cysts with meningomyelocele or meningocele. Split notochord syndrome. Ebisu T, et al. **Childs Nerv Syst** 1990 Dec;6(8):465–7 (14 ref.)

SURGERY

The tethered cord syndrome in the adult. Report of three cases and review of the literature. Salvati M, et al. **Zentralbl Neurochir** 1990;51(2):91–3 (33 ref.)

THERAPY

The tethered cord in myelomeningocele: should it be untethered? Banta JV. **Dev Med Child Neurol** 1991 Feb; 33(2):173–6 (34 ref.)

SPINA BIFIDA, OPEN see **SPINA BIFIDA CYSTICA**

SPINAL ACCESSORY NERVE see **ACCESSORY NERVE**

SPINAL BIFIDA, CLOSED see **SPINA BIFIDA OCCULTA**

SPINAL CANAL

Solitary extradural cavernous hemangiomas in the spinal canal. Report of five cases. Hillman J, et al. **Surg Neurol** 1991 Jul;36(1):19–24 (51 ref.)

SPINAL CORD

see related
MYELOGRAPHY

Transplantation of adrenal tissue into the central nervous system. Fine A. **Brain Res Brain Res Rev** 1990 May–Aug; 15(2):121–33 (119 ref.)

ABNORMALITIES

Cervical neurenteric fistula causing recurrent meningitis in Klippel–Feil sequence: case report and literature review. Gumerlock MK, et al. **Pediatr Infect Dis J** 1991 Jul; 10(7):532–5 (24 ref.)

ANATOMY & HISTOLOGY

Anatomy of the serotonergic system. Törk I. **Ann N Y Acad Sci** 1990;600:9–34; discussion 34–5 (75 ref.)

Descending motor pathways and the spinal motor system: limbic and non-limbic components. Holstege G. **Prog Brain Res** 1991;87:307–421 (546 ref.)

Brainstem–spinal cord projections in the cat, related to control of head and axial movements. Holstege G. **Rev Oculomot Res** 1988;2:431–70 (134 ref.)

[Anatomy of ascending sensory pathways in the spinal cord] Mizuno N. **No To Shinkei** 1990 Dec;42(12):1125–40 (204 ref.) **(Jpn)**

BLOOD SUPPLY

Review of the secondary injury theory of acute spinal cord trauma with emphasis on vascular mechanisms. Tator CH, et al. **J Neurosurg** 1991 Jul;75(1):15–26 (146 ref.)

Laser-Doppler flowmetry. A review of its application for measuring cerebral and spinal cord blood flow. Frerichs KU, et al. **Mol Chem Neuropathol** 1990 Jan;12(1):55–70 (29 ref.)

CHEMISTRY

Distribution patterns of CCK and CCK mRNA in some neuronal and non-neuronal tissues. Hökfelt T, et al. **Neuropeptides** 1991 Jul;19 Suppl:31–43 (83 ref.)

CYTOLOGY

Lineage analysis with a recombinant retrovirus: application to chick spinal motor neurons. Leber SM, et al. **Adv Neurol** 1991;56:27–36 (41 ref.)

Central synaptic transmission: studies at the connection between primary afferent fibres and dorsal spinocerebellar tract (DSCT) neurones in Clarke's column of the spinal cord. Walmsley B. **Prog Neurobiol** 1991;36(5):391–423 (139 ref.)

DRUG EFFECTS

Pharmacology of spinal peptides affecting sensory and motor functions: dynorphins, somatostatins and tachykinins. Spampinato S, et al. **Pharmacol Res** 1991 Feb;23(2):113–27 (113 ref.)

EMBRYOLOGY

Motorizing the spinal cord. Lumsden A. **Cell** 1991 Feb 8; 64(3):471–3 (21 ref.)

ENZYMOLOGY

Choline acetyltransferase: a molecular genetic approach. Mallet J, et al. **Prog Brain Res** 1990;84:3–10 (26 ref.)

GROWTH & DEVELOPMENT

Migratory patterns of clonally related cells in the developing central nervous system. Gray GE, et al. **Experientia** 1990 Sep 15;46(9):929–40 (74 ref.)

METABOLISM

The biochemistry of myelin in X-linked mutants. Quarles RH. **Ann N Y Acad Sci** 1990;605:135–45 (46 ref.)

GABAB receptors in the cat spinal cord. Lev-Tov A, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):87–94 (32 ref.)

Neurochemical actions of CCK underlying the therapeutic potential of CCK-B antagonists. Hughes J, et al. **Neuropeptides** 1991 Jul;19 Suppl:85–9 (34 ref.)

PATHOLOGY

Multiple spinal ossified arachnoiditis. A case report. Kitagawa H, et al. **Spine** 1990 Nov;15(11):1236–8 (28 ref.)

[A case of multiple sclerosis with syrinx formation demonstrated on MRI] Moriwaka F, et al. **Rinsho Shinkeigaku** 1991 Mar;31(3):324–6 (4 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Operantly conditioned plasticity in spinal cord. Wolpaw JR, et al. **Ann N Y Acad Sci** 1991;627:338–48 (40 ref.)

Vestibulospinal and neck reflexes: interaction in the vestibular nuclei. Wilson VJ. **Arch Ital Biol** 1991 Jan;129(1):43–52 (44 ref.)

Neurographic assessment of central delay changes in the H reflex pathway: a new test of spinal function in man. Abbruzzese M, et al. **Electroencephalogr Clin Neurophysiol Suppl** 1990;41:73–83 (40 ref.)

Electrophysiological assessment of the spinal mechanisms underlying spasticity. Pierrot-Deseilligny E.

Electroencephalogr Clin Neurophysiol Suppl 1990;41:264–73 (51 ref.)
Functional dispositions of the spinal stepping generators and their half-centres. Eke-Okoro ST.
Electromyogr Clin Neurophysiol 1991 Mar;31(2):81–3 (10 ref.)
On the function of spinal primary afferent fibres supplying colon and urinary bladder. Jänig W, et al.
J Auton Nerv Syst 1990 Jul;30 Suppl:S89–96 (33 ref.)
Bulbospinal serotonergic pathways in the control of blood pressure. Coote JH. **J Cardiovasc Pharmacol** 1990;15 Suppl 7:S35–41 (75 ref.)
The electrophysiological actions of neurotensin in the central nervous system. Stowe ZN, et al. **Life Sci** 1991; 49(14):987–1002 (136 ref.)
Spinal cholinergic mechanisms. Gillberg PG, et al.
Prog Brain Res 1990;84:361–70 (73 ref.)
Corticospinal, rubrospinal and rubro-olivary projections: a unifying hypothesis [published erratum appears in Trends Neurosci 1991 Jan;14(1):13] Kennedy PR.
Trends Neurosci 1990 Dec;13(12):474–9 (52 ref.)
Plateau potentials and active integration in the 'final common pathway' for motor behaviour. Kiehn O.
Trends Neurosci 1991 Feb;14(2):68–73 (49 ref.)
Presynaptic inhibition of muscle spindle and tendon organ afferents in the mammalian spinal cord. Rudomin P.
Trends Neurosci 1990 Dec;13(12):499–505 (75 ref.)
[Spinal cord regulation of somatic functions in mammals] Druga R, et al. **Cesk Fysiol** 1990;39(5):377–97 (79 ref.) **(Cze)**
[The current significance of spinal cord stimulation in the framework of functional neurosurgery] Probst C.
Schweiz Rundsch Med Prax 1990 Sep 4;79(36):1025–30 (18 ref.) (Eng. Abstr.) **(Ger)**
[Spinal cord monitoring during spinal surgery] Sabato S, et al. **Harefuah** 1991 Feb 1;120(3):154–6 (49 ref.) **(Heb)**
[Control of spinal motor system by descending noradrenergic neuron] Fukuda H, et al. **Nippon Yakurigaku Zasshi** 1990 Jul;96(1):1–9 (48 ref.) (Eng. Abstr.) **(Jpn)**
[Spinal cord evoked potentials and sensory transmission] Denda S, et al. **No To Shinkei** 1990 Dec;42(12):1155–65 (88 ref.) **(Jpn)**
[Properties of afferent connexions to the spinocerebellar tracts] Hirai N. **No To Shinkei** 1990 Dec;42(12):1141–53 (93 ref.) **(Jpn)**

PHYSIOPATHOLOGY

Pain and neurotransmitters. Otsuka M, et al.
Cell Mol Neurobiol 1990 Sep;10(3):293–302 (52 ref.)
Nociceptive transmission within the spinal cord. Sorkin LS.
Mt Sinai J Med 1991 May;58(3):208–16 (132 ref.)
Back pain and spinal changes in microgravity. Wing PC, et al. **Orthop Clin North Am** 1991 Apr;22(2):255–62 (18 ref.)
Neuropharmacology of amyotrophic lateral sclerosis. Askmark H, et al. **Prog Brain Res** 1990;84:371–80 (88 ref.)

SURGERY

Spinal cord stimulation: a contemporary series [see comments] Spiegelmann R, et al. **Neurosurgery** 1991 Jan; 28(1):65–70; discussion 70–1 (32 ref.) Comment in: Neurosurgery 1991 Jun;28(6):932–3.

TRANSPLANTATION

Intraspinal transplants. Tessler A. **Ann Neurol** 1991 Feb; 29(2):115–23 (99 ref.)
Grafts, growth factors and grafts that make growth factors. Olson L, et al. **Prog Brain Res** 1990;82:55–66 (45 ref.)

SPINAL CORD COMPRESSION

COMPLICATIONS

Syringomyelia secondary to compression of the cervical spinal cord by an extramedullary lymphoma. Hormigo A, et al. **Neurosurgery** 1990 Nov;27(5):834–6; discussion 836 (11 ref.)

DIAGNOSIS

Cervical disk disease. Russell EJ. **Radiology** 1990 Nov; 177(2):313–25 (184 ref.)
[Hemangioblastoma associated with syringomyelia and syringobulbia in a patient with rheumatoid arthritis] Bonet M, et al. **Arch Neurobiol (Madr)** 1990 Mar-Apr;53(2):89–91 (6 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Cord compression in Scheuermann's kyphosis. A case report. Normelli HC, et al. **Acta Orthop Scand** 1991 Feb;62(1):70–2 (15 ref.)
On the significance of Lhermitte's sign in oncology. Ventafridda V, et al. **J Neurooncol** 1991 Apr;10(2):133–7 (34 ref.)
Spinal cord compression—an oncologic emergency. Frank AR. **Nebr Med J** 1990 Aug;75(8):230–5 (17 ref.)
Intradural herniation of a thoracic disc presenting as flaccid paraplegia: case report. Hamilton MG, et al.
Neurosurgery 1990 Sep;27(3):482–4 (31 ref.)
Myelopathies in the cancer patient: incidence, presentation, diagnosis and management. Part 1. Choucair AK.
Oncology (Williston Park) 1991 Jun;5(6):71–80 (0 ref.)
Spinal cord compression secondary to vertebral aseptic osteonecrosis. Laloux P, et al. **Spine** 1991 Apr;16(4):480–1 (6 ref.)
Management of spinal cord compression secondary to metastatic prostatic carcinoma. Flynn DF, et al.
Urol Clin North Am 1991 Feb;18(1):145–52 (20 ref.)
[Neurologic complications of osteoporotic vertebral compression. 3 new cases and critical analysis of the literature] Lafforgue P, et al. **Rev Rhum Mal Osteoartic** 1990 Oct;57(9):619–25 (21 ref.) (Eng. Abstr.) **(Fre)**
[A case of epidural lipomatosis presenting spinal ataxia] Tsuzaka K, et al. **Rinsho Shinkeigaku** 1991 Feb;31(2):206–9 (11 ref.) (Eng. Abstr.) **(Jpn)**
[Neurological aspects of microcrystalline arthropathies] Siniachenko OV, et al. **Sov Med** 1991;(4):31–3 (49 ref.) **(Rus)**

SPINAL CORD DISEASES

CHEMICALLY INDUCED

Acute fatal myeloencephalopathy after combined intrathecal chemotherapy in a child with acute lymphoblastic leukemia. von der Weid NX, et al. **Med Pediatr Oncol** 1991; 19(3):192–8 (33 ref.)

COMPLICATIONS

Rehabilitation of quadriparesis secondary to spinal cord sarcoidosis. Tuel SM, et al. **Am J Phys Med Rehabil** 1991 Apr;70(2):63–9 (39 ref.)
Neurologic and psychiatric manifestations of HIV disease. Hollander H. **J Gen Intern Med** 1991 Jan-Feb;6(1 Suppl):S24–31 (57 ref.)

DIAGNOSIS

Central cord syndrome. Maroon JC, et al. **Clin Neurosurg** 1991;37:612–21 (23 ref.)
Imaging of the spine and spinal cord. Manelfe C.
Curr Opin Radiol 1991 Feb;3(1):5–15 (46 ref.)
Superficial siderosis of the central nervous system. A 37-year follow-up of a case and review of the literature. Stevens I, et al. **Eur Arch Psychiatry Clin Neurosci** 1991; 241(1):57–60 (22 ref.)
Magnetic resonance imaging contrast agents: theory and application to the central nervous system. Bronen RA, et al. **J Neurosurg** 1990 Dec;73(6):820–39 (82 ref.)
Magnetic resonance in pediatric and adolescent neuroimaging. Barnes PD. **Neurol Clin** 1990 Aug; 8(3):741–57 (80 ref.)
Sarcoidosis presenting as an isolated intramedullary tumor. Levivier M, et al. **Neurosurgery** 1991 Aug;29(2):271–6 (39 ref.)
Imaging modalities for evaluation of the spine. Bates D, et al. **Radiol Clin North Am** 1991 Jul;29(4):675–90 (150 ref.)
Clinical syndromes and differential diagnosis of spinal disorders. Elghazawi AK. **Radiol Clin North Am** 1991 Jul; 29(4):651–63 (57 ref.)
Infectious and inflammatory processes of the spine. Smith AS, et al. **Radiol Clin North Am** 1991 Jul;29(4):809–27 (61 ref.)
[MR imaging and disorders in orthopedics] Yoshikawa K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1991 May; 65(5):382–94 (34 ref.) **(Jpn)**

ETIOLOGY

Iatrogenic spinal subdural haematoma. Bills DC, et al.
Aust N Z J Surg 1991 Sep;61(9):703–6 (25 ref.)
Permanent neurologic deficits in heat stroke. Lin JJ, et al. **Chung Hua I Hsueh Tsa Chih** 1991 Feb;47(2):133–8 (21 ref.)
[Spinal cord manifestations] Haas J.
Verh Dtsch Ges Inn Med 1990;96:554–68 (37 ref.) **(Ger)**

PATHOLOGY

[Lesions of the spinal cord and spinal roots in human immunodeficiency virus infection] Gray F, et al.
Rev Neurol (Paris) 1990;146(11):655–64 (97 ref.) (Eng. Abstr.) **(Fre)**

REHABILITATION

Rehabilitation in spinal cord disorders. 2. Anatomy, pathogenesis, and research for neurologic recovery. Ragnarsson KT, et al. **Arch Phys Med Rehabil** 1991 Mar; 72(4-S):S295–7 (11 ref.)

SURGERY

Intraspinal transplants. Tessler A. **Ann Neurol** 1991 Feb; 29(2):115–23 (99 ref.)
Transplantation of glial cell cultures into areas of demyelination in the adult CNS. Blakemore WF, et al.
Prog Brain Res 1990;82:225–32 (24 ref.)

SPINAL CORD INJURIES

Toward a health services research capacity in spinal cord injury. DeJong G, et al. **Paraplegia** 1991 Jul;29(6):373–89 (30 ref.)

COMPLICATIONS

Male infertility following spinal cord injury. Linsenmeyer TA. **J Am Paraplegia Soc** 1991 Jul;14(3):116–21 (48 ref.)
Evaluation and treatment of erectile dysfunction following spinal cord injury: a review. Linsenmeyer TA.
J Am Paraplegia Soc 1991 Apr;14(2):43–51 (65 ref.)
Cruciate paralysis: a clinical and radiographic analysis of injuries to the cervicomedullary junction. Dickman CA, et al. **J Neurosurg** 1990 Dec;73(6):850–8 (28 ref.)
Review of the secondary injury theory of acute spinal cord trauma with emphasis on vascular mechanisms. Tator CH, et al. **J Neurosurg** 1991 Jul;75(1):15–26 (146 ref.)
Sexuality and reproduction in spinal cord injured women. Nygaard I, et al. **Obstet Gynecol Surv** 1990 Nov; 45(11):727–32 (20 ref.)
Review article: post-spinal cord injury syringomyelia. Umbach I, et al. **Paraplegia** 1991 May;29(4):219–21 (45 ref.)
Hydroureteronephrosis after spinal cord injury. Effects of lower urinary tract dysfunction on upper tract anatomy. Staskin DR. **Urol Clin North Am** 1991 May;18(2):309–16 (9 ref.)
[Current principles of urological management of patients with injuries of the spine and spinal cord] Bohatyrewicz A, et al. **Pol Tyg Lek** 1989 Oct 23-Nov 6;44(43–45):937–40 (18 ref.) (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Methylprednisolone in spinal cord injury: the possible mechanism of action. Hsu CY, et al. **J Neurotrauma** 1990 Fall;7(3):115–9 (45 ref.)
The experimental basis for early pharmacological intervention in spinal cord injury. Simpson RK, et al.
Paraplegia 1991 Jul;29(6):364–72 (63 ref.)

EPIDEMIOLOGY

A retrospective study of spinal cord injuries in Cape Province rugby players, 1963–1989. Incidence, mechanisms and prevention. Kew T, et al. **S Afr Med J** 1991 Aug 3; 80(3):127–33 (48 ref.)

ETIOLOGY

Spinal cord injury caused by a stab wound—a case report. Lee HM, et al. **Yonsei Med J** 1990 Sep;31(3):280–4 (9 ref.)
[Severe cervical spinal cord injuries without traumatic osteo-disco-ligamentous lesion] Argenson C, et al.
Rev Chir Orthop 1990;76(7):507–18 (48 ref.) (Eng. Abstr.) **(Fre)**
[Lhermitte's sign during lateral cervical puncture: survey of possible accidents in the lateral C1-C2 puncture and report of 2 cases of spinal cord penetration] Rossitti SL, et al. **Arq Neuropsiquiatr** 1990 Sep;48(3):341–7 (22 ref.) (Eng. Abstr.) **(Por)**

PHYSIOPATHOLOGY

Perspectives on cardiovascular fitness and SCI [published erratum appears in J Am Paraplegia Soc 1991 Jan;14(1):21] Figoni SF. **J Am Paraplegia Soc** 1990 Oct;13(4):63–71 (89 ref.)
A systems approach to aging, Alzheimer's disease, and spinal cord regeneration. Roberts E. **Prog Brain Res** 1990; 86:339–55 (111 ref.)

PREVENTION & CONTROL

Risk control and prevention of spinal cord damage due to surgery of thoracoabdominal aneurysms: medicolegal aspects [editorial] de Mol B, et al.
Eur J Cardiothorac Surg 1991;5(2):57–60 (36 ref.)
The cervical spine in maxillofacial trauma. Assessment and airway management. Kellman R.
Otolaryngol Clin North Am 1991 Feb;24(1):1–13 (50 ref.)

PSYCHOLOGY

Psychological consequences of spinal injury: a review of the literature. Craig AR, et al. **Aust N Z J Psychiatry** 1990 Sep;24(3):418–25 (55 ref.)
The impact of spinal cord injury on female sexuality, menstruation and pregnancy: a review of the literature. Sipski ML. **J Am Paraplegia Soc** 1991 Jul;14(3):122–6 (32 ref.)

RADIOGRAPHY

Radiology of cervical spine trauma. Hudgins PA, et al.
Clin Neurosurg 1991;37:571–95 (32 ref.)

REHABILITATION

Rehabilitation in spinal cord disorders. 3. Comprehensive management of spinal cord injury. Closson JB, et al.
Arch Phys Med Rehabil 1991 Mar;72(4-S):S298–308 (100 ref.)
Rehabilitation in spinal cord disorders. 4. Outcomes and issues of aging after spinal cord injury. Lammertse DP, et al. **Arch Phys Med Rehabil** 1991 Mar;72(4-S):S309–11 (10 ref.)
Rehabilitation in spinal cord disorders. 1. Epidemiology, prevention, and system of care of spinal cord disorders. Parsons KC, et al. **Arch Phys Med Rehabil** 1991 Mar; 72(4-S):S293–4 (8 ref.)
Pediatric spinal cord injury: treatment and outcome. Massagli

TL, et al. **Pediatrician** 1990;17(4):244–54 (64 ref.)

SURGERY

Acute spinal cord injury: monitoring and anaesthetic implications. Lam AM. **Can J Anaesth** 1991 May;38(4 Pt 2):R60–73 (71 ref.) **(Eng, Fre)**

Thoracolumbar spinal injuries. Plewes JL. **Injury** 1990 Sep; 21(5):296–301 (42 ref.)

THERAPY

The experimental technology of brain transplantation: implications for rehabilitation. Deckel AW. **Adv Clin Rehabil** 1990;3:270–93 (84 ref.)

Nonoperative management of cervical spine injury. Saul TG. **Clin Neurosurg** 1991;37:596–611 (55 ref.)

Fluid therapy in neurosurgical patients. Frost EA. **Middle East J Anesthesiol** 1991 Feb;11(1):39–52 (31 ref.)

Halo versus Minerva—which orthosis? Pringle RG. **Paraplegia** 1990 Jun;28(5):281–4 (12 ref.)

Pediatric spinal trauma: vertebral column and spinal cord injuries in children. Dickman CA, et al. **Pediatr Neurosci** 1989;15(5):237–55; discussion 56 (137 ref.)

[Time for intensive care of acute spinal cord injuries?] Holtz A. **Lakartidningen** 1991 Jul 10;88(28–29):2442–4 (16 ref.) **(Swe)**

SPINAL CORD NEOPLASMS

CLASSIFICATION

Classification of primary intracranial sarcomas and other central nervous system neoplasms. Ironside JW. **Histopathology** 1991 May;18(5):483–6 (30 ref.)

COMPLICATIONS

The association of hydrocephalus with intramedullary spinal cord tumors: a series of 25 patients. Rifkinson-Mann S, et al. **Neurosurgery** 1990 Nov;27(5):749–54; discussion 754 (65 ref.)

Primary primitive neuroectodermal tumor of the spinal cord associated with neural tube defect. Freyer DR, et al. **Pediatr Neurosci** 1989;15(4):181–7 (36 ref.)

[Mature lumbar multi-tissue dysembryoma of the spinal cord with sacral spina bifida occulta] Borne G, et al. **Neurochirurgie** 1990;36(3):180–4 (17 ref.) (Eng. Abstr.) **(Fre)**

[Hemangioblastoma associated with syringomyelia and syringobulbia in a patient with rheumatoid arthritis] Bonet M, et al. **Arch Neurobiol (Madr)** 1990 Mar–Apr;53(2):89–91 (6 ref.) (Eng. Abstr.) **(Spa)**

CONGENITAL

[Intramedullary D12–L1 epidermoid tumor. Report of a case and review of the literature] Vallée B, et al. **Neurochirurgie** 1991;37(1):61–6 (34 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Diagnostic imaging advances in neurooncology. Van Tassel P, et al. **Curr Opin Oncol** 1991 Jun;3(3):439–48 (62 ref.)

Imaging of central nervous system tumors. Dillon WP. **Curr Opin Radiol** 1991 Feb;3(1):46–50 (27 ref.)

Markers of central nervous system tumors. Birkmayer GD. **Immunol Ser** 1990;53:317–22 (32 ref.)

Magnetic resonance imaging contrast agents: theory and application to the central nervous system. Bronen RA, et al. **J Neurosurg** 1990 Dec;73(6):820–39 (82 ref.)

Solitary dorsal intramedullary schwannoma. Case report. Herregodts P, et al. **J Neurosurg** 1991 May;74(5):816–20 (37 ref.)

Magnetic resonance in pediatric and adolescent neuroimaging. Barnes PD. **Neurol Clin** 1990 Aug; 8(3):741–57 (80 ref.)

Primary central nervous system lymphoma: a new clinical challenge [editorial] DeAngelis LM. **Neurology** 1991 May; 41(5):619–21 (26 ref.)

MRI of radiation induced spinal cord glioma. Bazan C 3d, et al. **Neuroradiology** 1990;32(4):331–3 (10 ref.)

Spinal glioblastomas: report of seven cases and review of the literature. Ciappetta P, et al. **Neurosurgery** 1991 Feb; 28(2):302–6 (43 ref.)

Sarcoidosis presenting as an isolated intramedullary tumor. Levivier M, et al. **Neurosurgery** 1991 Aug;29(2):271–6 (39 ref.)

Neoplastic disease of the spine. Masaryk TJ. **Radiol Clin North Am** 1991 Jul;29(4):829–45 (115 ref.)

PATHOLOGY

Spinal cord glioblastoma multiforme with intracranial dissemination—case report. Asano N, et al. **Neurol Med Chir (Tokyo)** 1990 Jul;30(7):489–94 (21 ref.)

SECONDARY

On the significance of Lhermitte's sign in oncology. Ventafridda V, et al. **J Neurooncol** 1991 Apr;10(2):133–7 (34 ref.)

Primary pituitary carcinoma with spinal cord metastasis—case report. Sakamoto T, et al. **Neurol Med Chir (Tokyo)** 1990 Oct;30(10):763–7 (33 ref.)

SURGERY

Neurosurgery issues in oncology. Sawaya R. **Curr Opin Oncol** 1991 Jun;3(3):459–66 (46 ref.)

Malignant spinal cord tumors: a review and case presentation. Raney DJ. **J Neurosci Nurs** 1991 Feb;23(1):44–9 (7 ref.)

VETERINARY

Metastatic neoplasms of the central nervous system. Fenner WR. **Semin Vet Med Surg (Small Anim)** 1990 Nov; 5(4):253–61 (68 ref.)

Spinal neoplasia: diagnosis and treatment. Luttgen PJ. **Semin Vet Med Surg (Small Anim)** 1990 Nov;5(4):246–52 (28 ref.)

SPINAL DISEASES

Osteomyelitis of the spine. Büff HU, et al. **Conn Med** 1991 Feb;55(2):71–5 (18 ref.)

A wider spectrum of spondyloarthropathies. Khan MA, et al. **Semin Arthritis Rheum** 1990 Oct;20(2):107–13 (59 ref.)

[15 cases of vertebral involvement of histiocytosis X in children. Review of the literature] Jouve JL, et al. **Ann Pediatr (Paris)** 1991 Mar;38(3):167–74 (53 ref.) (Eng. Abstr.) **(Fre)**

BLOOD

Cardiac, ocular, and renal manifestations of seronegative spondyloarthropathies. Youssef W, et al. **Curr Opin Rheumatol** 1990 Aug;2(4):582–5 (5 ref.)

COMPLICATIONS

The inter-relationship of facet joint osteoarthritis and degenerative disc disease. Oegema TR Jr, et al. **Br J Rheumatol** 1991;30 Suppl 1:16–20 (17 ref.)

[Dysphagia disclosing a cervical disk calcification in a child. Apropos of a case and review of the literature] Jawish R, et al. **Chir Pediatr** 1990;31(2):127–30 (29 ref.) (Eng. Abstr.) **(Fre)**

[Neurologic complications of osteoporotic vertebral compression. 3 new cases and critical analysis of the literature] Lafforgue P, et al. **Rev Rhum Mal Osteoartic** 1990 Oct;57(9):619–25 (21 ref.) (Eng. Abstr.) **(Fre)**

[Differential diagnosis and therapy of vertigo of vertebral origin] Seifert K. **Laryngorhinootologie** 1990 Jul;69(7):394–7 (35 ref.) (Eng. Abstr.) **(Ger)**

[Headache in orthopedic consultation] Müller G. **Z Arztl Fortbild (Jena)** 1991 Jan 25;85(1–2):53–4 (0 ref.) **(Ger)**

[Neurological aspects of microcrystalline arthropathies] Siniachenko OV, et al. **Sov Med** 1991;(4):31–3 (49 ref.) **(Rus)**

DIAGNOSIS

Recent advances in spinal magnetic resonance imaging. Sze G. **Can Assoc Radiol J** 1991 Jun;42(3):190–8 (25 ref.)

Pediatric spondyloarthropathies. Kredich D, et al. **Clin Orthop** 1990 Oct;(259):18–22 (16 ref.)

Imaging of the spine in infants and children. Byrd SE. **Curr Opin Radiol** 1990 Dec;2(6):885–94 (30 ref.)

Imaging of the spine and spinal cord. Manelfe C. **Curr Opin Radiol** 1991 Feb;3(1):5–15 (46 ref.)

Imaging of spinal disorders. Stoker DJ. **Curr Opin Radiol** 1990 Oct;2(5):691–6 (24 ref.)

Infectious disease of the spine. Diagnostic and treatment considerations. Wisneski RJ. **Orthop Clin North Am** 1991 Jul;22(3):491–501 (44 ref.)

Radiologic case study. Intraspinal lumbar synovial cyst. Budris DM. **Orthopedics** 1991 May;14(5):613, 618–20 (18 ref.)

Imaging modalities for evaluation of the spine. Bates D, et al. **Radiol Clin North Am** 1991 Jul;29(4):675–90 (150 ref.)

Clinical syndromes and differential diagnosis of spinal disorders. Elghazawi AK. **Radiol Clin North Am** 1991 Jul; 29(4):651–63 (57 ref.)

Infectious and inflammatory processes of the spine. Smith AS, et al. **Radiol Clin North Am** 1991 Jul;29(4):809–27 (61 ref.)

Magnetic resonance imaging and the nonoperative treatment of spinal epidural abscess. Hanigan WC, et al. **Surg Neurol** 1990 Dec;34(6):408–13 (34 ref.)

Contrast-enhanced magnetic resonance imaging of the spine. Lee C, et al. **Top Magn Reson Imaging** 1991 Mar;3(2):41–73 (51 ref.)

[MR imaging and disorders in orthopedics] Yoshikawa K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1991 May; 65(5):382–94 (34 ref.) **(Jpn)**

EPIDEMIOLOGY

Spinal disorders. Overall impact on society and the need for orthopedic resources. Nachemson AL. **Acta Orthop Scand Suppl** 1991;241:17–22 (58 ref.)

ETIOLOGY

Vertebral osteomyelitis. Sapico FL, et al. **Infect Dis Clin North Am** 1990 Sep;4(3):539–50 (37 ref.)

Myelomeningocele. Lindseth RE, et al. **Instr Course Lect** 1991;40:271–91 (61 ref.)

Spontaneous spinal subdural hematoma: case report and review of the literature. Calhoun JM, et al. **Neurosurgery** 1991 Jul;29(1):133–4 (12 ref.)

IMMUNOLOGY

Immunology, genetics, and animal models of the spondyloarthropathies. Taurog JD. **Curr Opin Rheumatol** 1990 Aug;2(4):586–91 (12 ref.)

MICROBIOLOGY

Vertebral Candida infections. A case report and review of the literature. Almekinders LC, et al. **Clin Orthop** 1991 Jun;(267):174–8 (26 ref.)

PHYSIOPATHOLOGY

Pelvic obliquity: a review. Dubousset J. **Orthopedics** 1991 Apr;14(4):479–81 (0 ref.)

RADIOGRAPHY

Deletion of 16q with prolonged survival and unusual radiographic manifestations. Casamassima AC, et al. **Am J Med Genet** 1990 Dec;37(4):504–9 (18 ref.)

RADIOTHERAPY

[Radiotherapy as an emergency measure] Frey B, et al. **Schweiz Rundsch Med Prax** 1991 Mar 26;80(13):325–30 (43 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Innovative cervical fusion and instrumentation techniques. Sonntag VK, et al. **Clin Neurosurg** 1991;37:636–60 (64 ref.)

Surgical management of cervical spine instability. Currier BL. **Curr Opin Rheumatol** 1990 Feb;2(1):176–87 (18 ref.)

Medical and surgical treatment of seronegative spondyloarthropathy. Khan MA. **Curr Opin Rheumatol** 1990 Aug;2(4):592–9 (32 ref.)

A review of the therapeutic concept and results of operative treatment in acute and chronic lesions of the cervical spine: the Hannover experience. Illgner A, et al. **J Orthop Trauma** 1991;5(1):100–13 (45 ref.)

THERAPY

Medical and surgical treatment of seronegative spondyloarthropathy. Khan MA. **Curr Opin Rheumatol** 1990 Aug;2(4):592–9 (32 ref.)

SPINAL DYSRAPHISM

Current trends in spinal dysraphism. Humphreys RP. **Paraplegia** 1991 Feb;29(2):79–83 (29 ref.)

Developmental disorders of the pediatric spine. Byrd SE, et al. **Radiol Clin North Am** 1991 Jul;29(4):711–52 (104 ref.)

CHEMICALLY INDUCED

Spina bifida in infants of women treated with carbamazepine during pregnancy [see comments] Rosa FW. **N Engl J Med** 1991 Mar 7;324(10):674–7 (26 ref.) Comment in: N Engl J Med 1991 Mar 7;324(10):690–1.

COMPLICATIONS

The tethered spinal cord. Etiology and clinical manifestations. Schmidt DM, et al. **Orthop Rev** 1990 Oct; 19(10):870–6 (34 ref.)

[Mature lumbar multi-tissue dysembryoma of the spinal cord with sacral spina bifida occulta] Borne G, et al. **Neurochirurgie** 1990;36(3):180–4 (17 ref.) (Eng. Abstr.) **(Fre)**

ULTRASONOGRAPHY

The role of ultrasound in evaluation of patients with elevated maternal serum alpha-fetoprotein: a review. Watson WJ, et al. **Obstet Gynecol** 1991 Jul;78(1):123–8 (46 ref.)

SPINAL FLUID PRESSURE see **CEREBROSPINAL FLUID PRESSURE**

SPINAL FRACTURES

CLASSIFICATION

An unusual type of fracture in the upper sacrum. Strange-Vognsen HH, et al. **J Orthop Trauma** 1991; 5(2):200–3 (14 ref.)

DIAGNOSIS

Apophyseal fracture of the lumbar spine in adolescence. Clark JE. **Orthop Rev** 1991 Jun;20(6):512–6 (12 ref.)

ETIOLOGY

Vertebral compression fractures at the onset of acute lymphoblastic leukemia in a child. Oliveri MB, et al. **Henry Ford Hosp Med J** 1991;39(1):45–8 (34 ref.)

[Spinal metastases and metastasis-induced pathological fractures of the spine] Schwarzenbach O, et al. **Unfallchirurg** 1990 Oct;93(10):457–66 (39 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Biomechanics of fracture risk prediction of the hip and spine

by quantitative computed tomography. Hayes WC, et al. **Radiol Clin North Am** 1991 Jan;29(1):1–18 (94 ref.)

RADIOGRAPHY

The axial load teardrop fracture. A biomechanical, clinical and roentgenographic analysis. Torg JS, et al. **Am J Sports Med** 1991 Jul–Aug;19(4):355–64 (101 ref.)

Fractures of the spine in diffuse idiopathic skeletal hyperostosis. Paley D, et al. **Clin Orthop** 1991 Jun; (267):22–32 (20 ref.)

SURGERY

Isolated symptomatic cervical spinous process fracture requiring surgery. Case report. Hirsh LF, et al. **J Neurosurg** 1991 Jul;75(1):131–3 (17 ref.)

The role of transpedicular fixation systems for stabilization of the lumbar spine. Zindrick MR. **Orthop Clin North Am** 1991 Apr;22(2):333–44 (87 ref.)

SPINAL FUSION

see related

LAMINECTOMY

Biomechanics of spinal fixation and fusion. Nagel DA, et al. **Spine** 1991 Mar;16(3 Suppl):S151–4 (22 ref.)

INSTRUMENTATION

Biomechanics of thoracolumbar spinal fixation. A review. Krag MH. **Spine** 1991 Mar;16(3 Suppl):S84–99 (134 ref.)

Biomechanics of cervical spine internal fixation. Montesano PX, et al. **Spine** 1991 Mar;16(3 Suppl):S10–6 (25 ref.)

METHODS

Innovative cervical fusion and instrumentation techniques. Sonntag VK, et al. **Clin Neurosurg** 1991;37:636–60 (64 ref.)

Bone stimulators for fusions and fractures. Barden RM, et al. **Nurs Clin North Am** 1991 Mar;26(1):89–103 (34 ref.)

The role of transpedicular fixation systems for stabilization of the lumbar spine. Zindrick MR. **Orthop Clin North Am** 1991 Apr;22(2):333–44 (87 ref.)

Painful internal disc derangements of the lumbosacral spine: discographic diagnosis and treatment by posterior lumbar interbody fusion. Schechter NA, et al. **Orthopedics** 1991 Apr;14(4):447–51 (43 ref.)

Spinal fusion in a patient with lumbosacral agenesis. Rieger MA, et al. **Spine** 1990 Dec;15(12):1382–4 (23 ref.)

[Segmental instability and lumbar spinal canal stenosis. Theoretical, clinical and surgical aspects] Benini A. **Neurochirurgia (Stuttg)** 1990 Sep;33(5):146–57 (81 ref.) (Eng. Abstr.) **(Ger)**

[Complications of ventral fusion operations in degenerative intervertebral disk diseases] Kalff R, et al. **Neurochirurgia (Stuttg)** 1990 Nov;33(6):184–9 (38 ref.) (Eng. Abstr.) **(Ger)**

SPINAL GANGLIA see **GANGLIA, SPINAL**

SPINAL INJURIES

Common spinal injuries in athletes. Hodge B. **Nurs Clin North Am** 1991 Mar;26(1):211–21 (18 ref.)

CEREBROSPINAL FLUID

Cerebrospinal fluid endothelin-1 and endothelin-3 levels in normal and neurosurgical patients: a clinical study and literature review. Kraus GE, et al. **Surg Neurol** 1991 Jan; 35(1):20–9 (61 ref.)

COMPLICATIONS

[Current principles of urological management of patients with injuries of the spine and spinal cord] Bohatyrewicz A, et al. **Pol Tyg Lek** 1989 Oct 23–Nov 6;44(43–45):937–40 (18 ref.) (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Spinal trauma. Pathria MN, et al. **Radiol Clin North Am** 1991 Jul;29(4):847–65 (57 ref.)

PHYSIOPATHOLOGY

Biomechanics of cervical spine trauma. Maiman DJ, et al. **Clin Neurosurg** 1991;37:543–70 (22 ref.)

PREVENTION & CONTROL

Industrial back pain complaints. A broader perspective. Battié MC, et al. **Orthop Clin North Am** 1991 Apr;22(2):273–82 (122 ref.)

RADIOGRAPHY

[Functional roentgen diagnosis of the upper cervical spine] Dvořák J. **Orthopade** 1991 Apr;20(2):121–6 (18 ref.) (Eng. Abstr.) **(Ger)**

[Computed tomography of the skeletal system] Maas R, et al. **Rontgenpraxis** 1990 Aug;43(8):293–300 (8 ref.) **(Ger)**

SURGERY

[Ventral approaches to the upper cervical spine] Crockard HA. **Orthopade** 1991 Apr;20(2):140–6 (25 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Pediatric spinal trauma: vertebral column and spinal cord injuries in children. Dickman CA, et al. **Pediatr Neurosci** 1989;15(5):237–55; discussion 56 (137 ref.)

SPINAL MUSCULAR ATROPHY, INFANTILE see **WERDNIG-HOFFMANN DISEASE**

SPINAL NEOPLASMS

COMPLICATIONS

Spinal cord compression—an oncologic emergency. Frank AR. **Nebr Med J** 1990 Aug;75(8):230–5 (17 ref.)

[The role of episacroiliac lipomas as a cause of pseudolumbago–sciatica syndromes] Rosati E, et al. **Arch Putti Chir Organi Mov** 1990;38(2):339–47 (12 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Primary sacral bone tumours in children (report of 16 cases with a short literature review). Kozlowski K, et al. **Australas Radiol** 1990 May;34(2):142–9 (20 ref.)

Magnetic resonance imaging in the evaluation of spinal tumors. Sze G. **Cancer** 1991 Feb 15;67(4 Suppl):1229–41 (32 ref.)

Neoplastic disease of the spine. Masaryk TJ. **Radiol Clin North Am** 1991 Jul;29(4):829–45 (115 ref.)

Current imaging in spinal metastatic disease. Kamholtz R, et al. **Semin Oncol** 1991 Apr;18(2):158–69 (50 ref.)

Sacrococcygeal chordoma: clinicoradiological study. Saltutti C, et al. **Urol Int** 1990;45(6):372–5 (14 ref.)

[Cervical chordoma. Apropos of a case] Godard J, et al. **Neurochirurgie** 1990;36(6):388–93 (26 ref.) (Eng. Abstr.) **(Fre)**

[Chordoma (a review of 11 cases)] De Santis E, et al. **Arch Putti Chir Organi Mov** 1990;38(1):133–46 (25 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

Plasma cell dyscrasia in a 15-year-old boy: case report and review of the literature [letter] Rapoport AP, et al. **Am J Med** 1990 Dec;89(6):816–8 (8 ref.)

RADIOGRAPHY

Osseous lesions of the cervical spine. Camins MB, et al. **Clin Neurosurg** 1991;37:722–39 (36 ref.)

[Chordoma of the mobile spine. Report of 9 cases. Review of the literature] Chevalier X, et al. **Rev Rhum Mal Osteoartic** 1990 Nov;57(11):767–78 (98 ref.) (Eng. Abstr.) **(Fre)**

SECONDARY

Multiple spinal metastases from paraganglioma. North CA, et al. **Cancer** 1990 Nov 15;66(10):2224–8 (37 ref.)

Metastatic tumors of the cervical spine. Perrin RG, et al. **Clin Neurosurg** 1991;37:740–55 (59 ref.)

Occult carcinoma esophagus metastatic to spine producing paraplegia—a case report and review of literature. Kaushal R, et al. **Indian J Med Sci** 1990 Nov;44(11):304–6 (10 ref.)

Extracranial metastases of medulloblastoma in adults: literature review. Rochkind S, et al. **J Neurol Neurosurg Psychiatry** 1991 Jan;54(1):80–6 (100 ref.)

Current imaging in spinal metastatic disease. Kamholtz R, et al. **Semin Oncol** 1991 Apr;18(2):158–69 (50 ref.)

Management of spinal cord compression secondary to metastatic prostatic carcinoma. Flynn DF, et al. **Urol Clin North Am** 1991 Feb;18(1):145–52 (20 ref.)

[Spinal metastases and metastasis-induced pathological fractures of the spine] Schwarzenbach O, et al. **Unfallchirurg** 1990 Oct;93(10):457–66 (39 ref.) (Eng. Abstr.) **(Ger)**

[Primary carcinoid tumor of the testis with metastasis to the upper vertebrae. Report of a case] Shimura S, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Jul;82(7):1157–60 (13 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Surgical palliation of spinal oncologic disease: a review and analysis of current approaches. Bednar DA, et al. **Can J Surg** 1991 Apr;34(2):129–31 (12 ref.)

Multiple spinal meningiomas: case report and review of the literature. Pagni CA, et al. **Zentralbl Neurochir** 1990; 51(4):225–8 (28 ref.)

[Sacrectomy at the level of S2 in schwannoma of the sacral region. Case report and review of the literature] Nowacki MP, et al. **Nowotwory** 1990 Jul–Sep;40(3):201–6 (15 ref.) (Eng. Abstr.) **(Pol)**

SPINAL NERVE ROOTS

Diagnostics of cervicogenic headache. Pfaffenrath V, et al. **Funct Neurol** 1990 Apr–Jun;5(2):159–64 (13 ref.)

The headache of challenge in our time: cervicogenic headache. Sjaastad O. **Funct Neurol** 1990 Apr–Jun; 5(2):155–8 (13 ref.)

[Pain after sympathectomy] Farcot JM, et al. **Agressologie** 1990 Apr;31(4):191–7 (52 ref.) (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Anatomical and radiological variations of the lumbar dural sac and nerve root sheaths. Maiuri F, et al. **Clin Neurol Neurosurg** 1990;92(3):203–13 (97 ref.)

BLOOD SUPPLY

The significance of venous return impairment in ischemic radiculopathy and myelopathy. Parke WW. **Orthop Clin North Am** 1991 Apr;22(2):213–21 (19 ref.)

Blood supply of nerve roots and dorsal root ganglia. Yoshizawa H, et al. **Orthop Clin North Am** 1991 Apr; 22(2):195–211 (74 ref.)

INJURIES

Experimental pathophysiological correlates of clinical symptomatology in peripheral neuropathic pain syndromes. Rappaport ZH, et al. **Stereotact Funct Neurosurg** 1990; 54–55:90–5 (7 ref.)

PATHOLOGY

[Lesions of the spinal cord and spinal roots in human immunodeficiency virus infection] Gray F, et al. **Rev Neurol (Paris)** 1990;146(11):655–64 (97 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Pathophysiology of sciatica. Olmarker K, et al. **Orthop Clin North Am** 1991 Apr;22(2):223–34 (99 ref.)

[Pathophysiology of vertebrogenic lumbar and leg pain (pain, sensory disorders, paralysis): review related to clinical aspects] Benini A. **Schweiz Rundsch Med Prax** 1991 Feb 12;80(7):131–8 (14 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

The role of functional dorsal rhizotomy for the treatment of children with spastic cerebral palsy. Nazar GB, et al. **J Ky Med Assoc** 1990 Sep;88(9):482–7 (29 ref.)

Ablative neurosurgical procedures for the treatment of chronic pain. Sindou M, et al. **Neurophysiol Clin** 1990 Nov; 20(5):399–423 (108 ref.)

SPINAL NERVES

PHYSIOPATHOLOGY

[Pathophysiology of vertebrogenic lumbar and leg pain (pain, sensory disorders, paralysis): review related to clinical aspects] Benini A. **Schweiz Rundsch Med Prax** 1991 Feb 12;80(7):131–8 (14 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Dorsal rhizotomy for children with cerebral palsy: support for concepts of motor control. Giuliani CA. **Phys Ther** 1991 Mar;71(3):248–59 (79 ref.)

SPINAL OSTEOPHYTOSIS

COMPLICATIONS

Anterior cervical osteophytes causing dysphagia. Flynn JM. **Bol Asoc Med P R** 1991 Feb;83(2):47–53 (34 ref.)

DIAGNOSIS

Cervical disk disease. Russell EJ. **Radiology** 1990 Nov; 177(2):313–25 (184 ref.)

PHYSIOPATHOLOGY

Pathophysiology and treatment of cervical spondylotic myelopathy. Cusick JF. **Clin Neurosurg** 1991;37:661–81 (64 ref.)

SURGERY

[Segmental instability and lumbar spinal canal stenosis. Theoretical, clinical and surgical aspects] Benini A. **Neurochirurgia (Stuttg)** 1990 Sep;33(5):146–57 (81 ref.) (Eng. Abstr.) **(Ger)**

SPINAL PUNCTURE

ADVERSE EFFECTS

Iatrogenic spinal subdural haematoma. Bills DC, et al. **Aust N Z J Surg** 1991 Sep;61(9):703–6 (25 ref.)

Subdural hematoma after lumbar puncture: two case reports and review of the literature. Vos PE, et al. **Clin Neurol Neurosurg** 1991;93(2):127–32 (47 ref.)

Role of computed tomography in the early management of bacterial meningitis. Haslam RH. **J Pediatr** 1991 Jul;119(1 (Pt 1)):157–9 (13 ref.)

Intracerebral hemorrhage after lumbar myelography with iohexol: report of a case and review of the literature. Van de Kelft E, et al. **Neurosurgery** 1991 Apr;28(4):570–4 (38 ref.)

Post dural puncture headache (PDPH): a review [see comments] Gielen M. **Reg Anesth** 1989 May–Jun; 14(3):101–6 (70 ref.) Comment in: Reg Anesth 1990 Jan–Feb;15(1):46–7.

[Lhermitte's sign during lateral cervical puncture: survey of

possible accidents in the lateral C1–C2 puncture and report of 2 cases of spinal cord penetration] Rossitti SL, et al. **Arq Neuropsiquiatr** 1990 Sep;48(3):341–7 (22 ref.) (Eng. Abstr.) **(Por)**

SPINAL STENOSIS

Spinal stenosis. When arthritis is more than arthritis! Chase JA. **Nurs Clin North Am** 1991 Mar;26(1):53–64 (34 ref.)

DIAGNOSIS

[Discopathy and lumbar stenosis] Dziak A. **Pol Tyg Lek** 1989 Oct 23–Nov 6;44(43–45):932–5 (22 ref.) **(Pol)**

PHYSIOPATHOLOGY

The significance of venous return impairment in ischemic radiculopathy and myelopathy. Parke WW. **Orthop Clin North Am** 1991 Apr;22(2):213–21 (19 ref.)

SURGERY

[Segmental instability and lumbar spinal canal stenosis. Theoretical, clinical and surgical aspects] Benini A. **Neurochirurgia (Stuttg)** 1990 Sep;33(5):146–57 (81 ref.) (Eng. Abstr.) **(Ger)**

[A case of achondroplasia showing diffuse spinal canal stenosis] Ohashi T, et al. **No Shinkei Geka** 1990 Aug; 18(8):773–7 (20 ref.) (Eng. Abstr.) **(Jpn)**

SPINDLE APPARATUS, MITOTIC see **MITOTIC SPINDLE APPARATUS**

SPINE

see related
LAMINECTOMY

[Radiologic study of osteopenic syndromes. Between tradition and innovation] Cammisa M, et al. **Radiol Med (Torino)** 1990 Jul–Aug;80(1–2):1–8 (10 ref.) **(Ita)**

ABNORMALITIES

Radiographic manifestations of congenital anomalies of the spine. O'Connor JF, et al. **Radiol Clin North Am** 1991 Mar; 29(2):407–29 (14 ref.)

ANATOMY & HISTOLOGY

Contrast-enhanced magnetic resonance imaging of the spine. Lee C, et al. **Top Magn Reson Imaging** 1991 Mar;3(2):41–73 (51 ref.)

EMBRYOLOGY

Ultrasound imaging of the cranium and spine. Medearis AL, et al. **Clin Perinatol** 1990 Sep;17(3):597–609 (9 ref.)

INNERVATION

[Parkinsonian rigidity: clinical and physiopathologic aspects] Delwaide PJ, et al. **Rev Neurol (Paris)** 1990;146(10):548–54 (44 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Anatomy of the extrinsic spinal muscles related to the deformities of scoliosis. Nudelman W, et al. **Acta Anat (Basel)** 1990;139(3):220–5 (17 ref.)

The sclerotic pedicle--how many causes are there? Yochum TR, et al. **Skeletal Radiol** 1990;19(6):411–7 (46 ref.)

[Magnetic resonance imaging of the spine in rheumatoid arthritis] Imakiire A, et al. **Ryumachi** 1990 Jun;30(3):223–32 (12 ref.) **(Jpn)**

PHYSIOLOGY

Conditioning of the spinal stretch reflex: implications for rehabilitation. Wolf SL, et al. **Phys Ther** 1990 Oct; 70(10):652–6 (30 ref.)

RADIOGRAPHY

Biomechanics of fracture risk prediction of the hip and spine by quantitative computed tomography. Hayes WC, et al. **Radiol Clin North Am** 1991 Jan;29(1):1–18 (94 ref.)

[X-ray diagnosis of the spine] Opitz G, et al. **Rontgenpraxis** 1991 Mar;44(3):67–74 (23 ref.) **(Ger)**

SURGERY

[A new concept of biomechanics in spinal surgery and its influences on the development of artificial implantation] Zhou DW, et al. **Chung Hua Wai Ko Tsa Chih** 1990 Oct; 28(10):595–8 (32 ref.) **(Chi)**

[Spinal cord monitoring during spinal surgery] Sabato S, et al. **Harefuah** 1991 Feb 1;120(3):154–6 (49 ref.) **(Heb)**

SPINOCEREBELLAR ATAXIAS see **SPINOCEREBELLAR DEGENERATION**

SPINOCEREBELLAR DEGENERATION

DRUG THERAPY

[Pharmacotherapy of the spino-cerebellar syndromes] Berciano J, et al. **Neurologia** 1990 Jun–Jul;5(6):200–4 (47 ref.) **(Spa)**

SPINOTHALAMIC TRACTS

PHYSIOPATHOLOGY

Role of the forebrain in nociception. Willis WD Jr. **Prog Brain Res** 1991;87:1–12 (55 ref.)

SPIRAL ORGAN see **ORGAN OF CORTI**

SPIRILLUM

ISOLATION & PURIFICATION

[Human chronic gastritis associated with non-Helicobacter pylori spiral organisms (Gastrospirillum hominis). Four cases and review of the literature] Fléjou JF, et al. **Gastroenterol Clin Biol** 1990;14(11):806–10 (24 ref.) (Eng. Abstr.) **(Fre)**

SPIRITUAL HEALING see **MENTAL HEALING**

SPIROCHAETALES INFECTIONS

COMPLICATIONS

Spirochetal arthritis, including Lyme disease. Cooke WD, et al. **Curr Opin Rheumatol** 1990 Aug;2(4):622–7 (27 ref.)

SPIROCHETE INFECTIONS see **SPIROCHAETALES INFECTIONS**

SPIROLACTONE see **SPIRONOLACTONE**

SPIROMETRY

Pulmonary function testing in pulmonary prevention. Harber P, et al. **Occup Med** 1991 Jan–Mar;6(1):69–79 (26 ref.)

METHODS

Measurement of maximal static respiratory pressures at the mouth with different air leaks. Mayos M, et al. **Chest** 1991 Aug;100(2):364–6 (12 ref.)

[Spirometry] Schlegel J. **Verh Dtsch Ges Inn Med** 1990; 96:713–9 (4 ref.) **(Ger)**

STANDARDS

Pulmonary function testing: guidelines for medical surveillance and epidemiological studies. McKay RT, et al. **Occup Med** 1991 Jan–Mar;6(1):43–57 (12 ref.)

SPIRONOLACTONE

THERAPEUTIC USE

Spironolactone in dermatologic therapy. Shaw JC. **J Am Acad Dermatol** 1991 Feb;24(2 Pt 1):236–43 (69 ref.)

SPLANCHNIC CIRCULATION

Nonocclusive mesenteric ischemia. Brandt LJ, et al. **Annu Rev Med** 1991;42:107–17 (11 ref.)

SPLEEN

[Extracorporeal use of porcine spleen in the treatment of patients] Genyk SN, et al. **Vestn Khir** 1991 Feb;146(2):151–3 (19 ref.) **(Rus)**

ABNORMALITIES

Hepatobiliary anomalies associated with polysplenia syndrome. Gagner M, et al. **Gastrointest Radiol** 1991 Spring;16(2):167–71 (20 ref.)

Associated occurrence of persistent truncus arteriosus and asplenia. Gumbiner CH, et al. **Pediatr Cardiol** 1991 Jul; 12(3):192–5 (17 ref.)

BLOOD SUPPLY

Clinical courses and treatment of splenic artery aneurysms--report of 3 cases and review of literatures in Japan. Fukunaga Y, et al. **Osaka City Med J** 1990 Nov; 36(2):161–73 (11 ref.)

Microcirculatory pathways and blood flow in spleen: new insights from washout kinetics, corrosion casts, and quantitative intravital videomicroscopy. Groom AC, et al. **Scanning Microsc** 1991 Mar;5(1):159–73; discussion 173–4 (55 ref.)

DRUG EFFECTS

Innervation and vascular pharmacodynamics of the mouse spleen. Reilly FD. **Scanning Microsc** 1991 Mar;5(1):183–8; discussion 188–9 (46 ref.)

IMMUNOLOGY

The spleen in malaria: the role of barrier cells. Weiss L. **Immunol Lett** 1990 Aug;25(1–3):165–72 (27 ref.)

INJURIES

Splenic trauma. Choice of management. Lucas CE. **Ann Surg** 1991 Feb;213(2):98–112 (50 ref.)

[Conservative treatment of the spleen. Report of 50 cases] Kehila M, et al. **Ann Chir** 1990;44(7):570–4 (28 ref.) (Eng. Abstr.) **(Fre)**

INNERVATION

Substance P innervation of spleen in rats: nerve fibers associate with lymphocytes and macrophages in specific compartments of the spleen. Lorton D, et al. **Brain Behav Immun** 1991 Mar;5(1):29–40 (77 ref.)

Innervation and vascular pharmacodynamics of the mouse spleen. Reilly FD. **Scanning Microsc** 1991 Mar;5(1):183–8; discussion 188–9 (46 ref.)

[The relationship between the sympathetic nerves and immunocytes in the spleen] Saito H. **Kaibogaku Zasshi** 1991 Feb;66(1):8–19 (29 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

[Effect of surgical stress on cytotoxicity of the natural killer cells] Zlochevskaia LL. **Klin Khir** 1990;(8):42–7 (74 ref.) **(Rus)**

[Formation of target cells in the immunocompetent organ (spleen) of mice with experimental infection caused by influenza A viruses with various properties] Shidlovskaia NK, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):23–7 (24 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Regeneration of the spleen and splenic autotransplantation. Holdsworth RJ. **Br J Surg** 1991 Mar;78(3):270–8 (88 ref.)

RADIOGRAPHY

Computed tomography of the spleen. Srp A, et al. **Acta Univ Carol [Med] (Praha)** 1989;35(1–2):11–30 (17 ref.)

SURGERY

Surgical aspects of malaria. Gibney EJ. **Br J Surg** 1990 Sep; 77(9):964–7 (68 ref.)

TRANSPLANTATION

[Autotransplantation of splenic tissue after splenectomy in adults] Becker NA. **Ugeskr Laeger** 1991 Jul 1; 153(27):1924–6 (20 ref.) (Eng. Abstr.) **(Dan)**

ULTRASTRUCTURE

Barrier cells in the spleen. Weiss L. **Immunol Today** 1991 Jan;12(1):24–9 (39 ref.)

SPLENECTOMY

Partial splenectomy for symptomatic splenic hamartoma. Havlik RJ, et al. **J Pediatr Surg** 1990 Dec;25(12):1273–5 (14 ref.)

[Autotransplantation of splenic tissue after splenectomy in adults] Becker NA. **Ugeskr Laeger** 1991 Jul 1; 153(27):1924–6 (20 ref.) (Eng. Abstr.) **(Dan)**

ADVERSE EFFECTS

Gastric perforation as a complication of splenectomy: report of five cases and review of the literature. McClenathan JH. **Can J Surg** 1991 Apr;34(2):175–8 (16 ref.)

[Removal of the spleen and risk of the development of severe infections in children] Epifanov NS. **Pediatriia** 1991; (3):96–9 (68 ref.) **(Rus)**

METHODS

[Correction of secondary hypersplenism in the surgical treatment of portal hypertension] Kalita NIa, et al. **Vestn Khir** 1991 Mar;146(3):137–40 (54 ref.) **(Rus)**

SPLENIC ARTERY

Multiple congenital aneurysms of unknown origin. De Letter JA, et al. **Eur J Vasc Surg** 1991 Jun;5(3):349–54 (15 ref.)

[Correction of secondary hypersplenism in the surgical treatment of portal hypertension] Kalita NIa, et al. **Vestn Khir** 1991 Mar;146(3):137–40 (54 ref.) **(Rus)**

SPLENIC DISEASES

[Splenic cysts] Fernández-Llamazares Rodríguez J, et al. **Rev Quir Esp** 1988 Jul–Aug;15(4):175–8 (15 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

[A rare cause of pleurisy from subdiaphragmatic origin: epidermoid cyst of the spleen] Caillet B, et al. **Rev Pneumol Clin** 1990;46(3):114–5 (6 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Splenic hydatid cyst. A report of 16 cases] Herrera Merino N, et al. **Rev Esp Enferm Dig** 1991 Apr;79(4):254–8 (50 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

The spleen in the spleen syndrome: the association of splenoma with hematopoietic and neoplastic disease—compendium of cases since 1864. Steinberg JJ, et al. **J Surg Oncol** 1991 Jul;47(3):193–202 (52 ref.)

[Systemic manifestations associated with celiac disease in adults] Bouhnik Y, et al. **Gastroenterol Clin Biol** 1991; 15(1):28–33 (65 ref.) **(Fre)**

[Splenic abscess in typhoid fever] Calleri G, et al. **Clin Ter** 1991 May 31;137(4):281–3 (10 ref.) (Eng. Abstr.) **(Ita)**

GENETICS

Familial splenic epidermoid cyst. Ragozzino MW, et al. **AJR Am J Roentgenol** 1990 Dec;155(6):1233–4 (12 ref.)

PHYSIOPATHOLOGY

Functional asplenia in systemic lupus erythematosus. Piliero P, et al. **Semin Arthritis Rheum** 1990 Dec;20(3):185–9 (15 ref.)

RADIOGRAPHY

[Epidermoid cysts of the spleen. Report of 6 cases] Duvoisin B, et al. **J Radiol** 1990 May;71(5):345–50 (35 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[Splenic cysts. Decapsulation treatment or partial splenectomy] Kramer WL. **Ned Tijdschr Geneeskd** 1990 Nov 3;134(44):2130–4 (32 ref.) **(Dut)**

[Conservative treatment of the spleen. Report of 50 cases] Kehila M, et al. **Ann Chir** 1990;44(7):570–4 (28 ref.) (Eng. Abstr.) **(Fre)**

[Cysts of the spleen. Spontaneous involution checked by imaging] Raffaelli CP, et al. **J Radiol** 1991 Jun–Jul; 72(6–7):389–92 (20 ref.) (Eng. Abstr.) **(Fre)**

[Non-parasitic cysts of the spleen (review of the literature)] Kurguzov OP, et al. **Khirurgiia (Mosk)** 1990 Jun;(6):130–4 (114 ref.) **(Rus)**

[Splenic epidermoid cyst. Immunohistochemical study] Cremades Mira A, et al. **An Esp Pediatr** 1990 Aug; 33(2):185–8 (25 ref.) **(Spa)**

THERAPY

[For a conservative treatment of hydatid cyst of the spleen] Moumen M, et al. **J Chir (Paris)** 1991 May;128(5):260–2 (15 ref.) (Eng. Abstr.) **(Fre)**

SPLENIC NEOPLASMS

DIAGNOSIS

Iron oxide-enhanced MR imaging of the liver and spleen: review of the first 5 years. Ferrucci JT, et al. **AJR Am J Roentgenol** 1990 Nov;155(5):943–50 (20 ref.)

[Splenic hamartoma] Masuda M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Dec;87(12):2680–4 (20 ref.) **(Jpn)**

[A case of splenic hamartoma] Yamada Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Dec;87(12):2685–9 (19 ref.) **(Jpn)**

PATHOLOGY

Inflammatory pseudotumor of the spleen. Report of two cases with a review of the literature. Monforte-Muñoz H, et al. **Am J Clin Pathol** 1991 Oct;96(4):491–5 (17 ref.)

Fine needle aspiration biopsy of a splenic hemangioma. A case report with review of the literature. Barbazza R, et al. **Haematologica** 1990 May–Jun;75(3):278–81 (28 ref.)

SURGERY

Inflammatory pseudotumors of the spleen. Safran D, et al. **Arch Surg** 1991 Jul;126(7):904–8 (21 ref.)

Partial splenectomy for symptomatic splenic hamartoma. Havlik RJ, et al. **J Pediatr Surg** 1990 Dec;25(12):1273–5 (14 ref.)

SPLENIC RUPTURE

DIAGNOSIS

Spontaneous splenic rupture following infectious mononucleosis. Safran D, et al. **Am Surg** 1990 Oct; 56(10):601–5 (24 ref.)

ETIOLOGY

[Atraumatic rupture of the spleen. A proposal of new attitudes. Apropos a case in brucellosis] Marín León I, et al. **An Med Interna** 1990 Sep;7(9):474–6 (29 ref.) (Eng. Abstr.) **(Spa)**

SPLENIC VEIN

[A case report of thrombosis in portal and splenic vein due to alcoholic pancreatitis] Michida T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jun;88(6):1388–92 (16 ref.) **(Jpn)**

SURGERY

Selective splenocaval shunt. Report of 26 cases and review of the literature. Atta HM, et al. **Arch Surg** 1991 May; 126(5):582–5 (17 ref.)

SPLENOMEGALY

[Dacie syndrome and other splenomegalies without apparent cause] Aggio MC. **Rev Invest Clin** 1990 Apr–Jun; 42(2):142–4 (31 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Infantile inflammatory multisystem disease: clinicopathological findings and review of the literature. Horoupian DS, et al. **Clin Neuropathol** 1990 Jul–Aug; 9(4):170–6 (22 ref.)

DIAGNOSIS

The clinical diagnosis of splenomegaly. Yang JC, et al. **West J Med** 1991 Jul;155(1):47–52 (43 ref.)

ETIOLOGY

Spontaneous splenic rupture following infectious mononucleosis. Safran D, et al. **Am Surg** 1990 Oct; 56(10):601–5 (24 ref.)

SPLENORENAL SHUNT, SURGICAL

ADVERSE EFFECTS

The significance of portal vein thrombosis after distal splenorenal shunt. Jin GL, et al. **Arch Surg** 1991 Aug; 126(8):1011–5; discussion 1015–6 (23 ref.)

SPLICED LEADER PEPTIDES see **SIGNAL PEPTIDES**

SPLICING, RNA see **RNA SPLICING**

SPLINTS

see related
STENTS

[Splint treatment of Perthes disease] Krauspe R. **Z Orthop** 1990 Jul–Aug;128(4):411–4 (16 ref.) (Eng. Abstr.) **(Ger)**

[Functional therapy in treatment of fractures and joint injuries] Tscherne H, et al. **Zentralbl Chir** 1990; 115(16):997–1005 (11 ref.) (Eng. Abstr.) **(Ger)**

VETERINARY

Principles of conservative fracture management: splints and casts. Leighton RL. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):39–51 (6 ref.)

Principles of external skeletal fixation using the Kirschner-Ehmer splint. Toombs JP. **Semin Vet Med Surg (Small Anim)** 1991 Feb;6(1):68–74 (24 ref.)

Complications of fractures repaired with casts and splints. Tomlinson J. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):735–44 (1 ref.)

SPLIT GENES see **RNA SPLICING**

SPONDYLARTHRITIS ANKYLOPOIETICA see **SPONDYLITIS, ANKYLOSING**

SPONDYLITIS

CLASSIFICATION

Traditional and new types of spondarthritis with special consideration of spondylodiscitis. Schilling F, et al. **Neurosurg Rev** 1990;13(4):273–8 (17 ref.)

[Seronegative spondylarthropathies—an overview] Michel B. **Schweiz Rundsch Med Prax** 1991 May 21;80(21):580–3 (34 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Anterior sacral meningocele and tuberculous spondylitis of the sacrum in a patient with neurofibromatosis. Case report and review of the literature. Mellion BT, et al. **Neurofibromatosis** 1989;2(5–6):299–308 (44 ref.)

DIAGNOSIS

Infectious and inflammatory processes of the spine. Smith AS, et al. **Radiol Clin North Am** 1991 Jul;29(4):809–27 (61 ref.)

[Masked psychopathological conditions imitating pathology of the locomotor system (review of the literature)] Ostroglazov VG, et al. **Zh Nevropatol Psikhiatr** 1991; 91(4):121–8 (134 ref.) **(Rus)**

IMMUNOLOGY

[Molecular mimicking in rheumatic inflammatory pathogenesis (editorial)] Toubert A. **Presse Med** 1991 Apr 13;20(14):627–8 (10 ref.) **(Fre)**

PATHOLOGY

[A manifestation suggesting juvenile spondylarthropathy: anterior tibial enthesitis. Apropos of 3 cases] Wendling D, et al. **Ann Pediatr (Paris)** 1991 Feb;38(2):103–6 (17 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Indications for and results of operative treatment of spondylitis and spondylodiscitis. Krödel A, et al. **Arch Orthop Trauma Surg** 1991;110(2):78–82 (29 ref.)

SPONDYLITIS, ANKYLOSING

BLOOD

[Ankylosing spondylitis and phosphocalcic parameters] Wendling D, et al. **Rev Rhum Mal Osteoartic** 1991 Apr; 58(4):279–81 (16 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

DISH and ankylosing spondylitis. Case report and review of the literature. Troise Rioda W, et al. **Clin Exp Rheumatol** 1990 Nov–Dec;8(6):591–3 (6 ref.)

Amyloidosis in a case of ankylosing spondylitis with a review of the literature. Lance NJ, et al. **J Rheumatol** 1991 Jan; 18(1):100–3 (27 ref.)

[Uveitis and rheumatic diseases] Malaise-Stals J. **Bull Soc Belge Ophtalmol** 1989;230:3–12 (32 ref.) (Eng. Abstr.) **(Fre)**

[Spondylodiscitis in kyphotic deformity of ankylosing spondylitis and its healing affected by dorsal correction osteotomies. Report of 33 patients] Hehne HJ, et al. **Z Orthop** 1990 Sep–Oct;128(5):494–502 (68 ref.) (Eng. Abstr.) **(Ger)**

[A case of psoriatic arthropathy complicated with clinical feature of ankylosing spondylitis] Yamamoto O, et al. **Nippon Hifuka Gakkai Zasshi** 1990 Nov;100(12):1263–9 (58 ref.) (Eng. Abstr.) **(Jpn)**

[The kidney in ankylosing spondylitis] Ortiz Arduan A, et al. **An Med Interna** 1990 Oct;7(10):539–42 (65 ref.) **(Spa)**

DRUG THERAPY

Are there any antirheumatic drugs that modify the course of ankylosing spondylitis? Laurent R. **Baillieres Clin Rheumatol** 1991 Aug;4(2):387–400 (62 ref.)

An approach to the human immunodeficiency virus-positive patient with a spondyloarthropathic disease. Solomon G, et al. **Rheum Dis Clin North Am** 1991 Feb;17(1):43–58 (46 ref.)

EPIDEMIOLOGY

Review of UK data on the rheumatic diseases—5. Ankylosing spondylitis. Rigby AS. **Br J Rheumatol** 1991 Feb;30(1):50–3 (41 ref.)

[Epidemiological aspects of ankylosing spondylitis] Fellmann J. **Schweiz Rundsch Med Prax** 1991 May 21;80(21):573–5 (33 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Enhanced inflammatory reactivity in the pathogenesis of spondyloarthropathies. Repo H, et al. **Autoimmunity** 1990; 7(4):245–54 (55 ref.)

[Rheumatism in Crohn's disease. New facts, new ideas (editorial)] Le Quintrec JL. **Presse Med** 1991 May 25; 20(20):933–5 (10 ref.) **(Fre)**

GENETICS

Genetical factors—other than HLA-B27—in "HLA-B27-associated diseases". Derhaag PJ. **Scand J Rheumatol Suppl** 1990;87:122–6; discussion 126 (22 ref.)

IMMUNOLOGY

Immunology, genetics, and animal models of the spondyloarthropathies. Taurog JD. **Curr Opin Rheumatol** 1990 Aug;2(4):586–91 (12 ref.)

Theoretical models to explain the association of HLA-B27 with ankylosing spondylitis. Ebringer A. **Scand J Rheumatol Suppl** 1990;87:151–63 (63 ref.)

Inflammation in HLA-B27-associated diseases. Leirisalo-Repo M. **Scand J Rheumatol Suppl** 1990;87:140–7; discussion 147 (69 ref.)

Structure and immune recognition of HLA-B27 antigens: implications for disease association. López de Castro JA, et al. **Scand J Rheumatol Suppl** 1990;87:21–31 (25 ref.)

[New pathogenetic aspects of ankylosing spondylitis] Schmidt KL. **Z Rheumatol** 1991 Mar–Apr;50(2):65–73 (105 ref.) (Eng. Abstr.) **(Ger)**

MORTALITY

[Prognosis in ankylosing spondylitis] Diethelm U, et al. **Schweiz Rundsch Med Prax** 1991 May 21;80(21):584–7 (26

ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Spondyloarthropathies. Creamer P, et al. **Aust Fam Physician** 1990 Oct;19(10):1519–26 (8 ref.)
Clinical and radiographic features of ankylosing spondylitis. van der Linden SM. **Curr Opin Rheumatol** 1990 Aug; 2(4):563–9 (46 ref.)
Ankylosing spondylitis and other spondyloarthropathies. Khan MA, et al. **Rheum Dis Clin North Am** 1990 Aug; 16(3):551–79 (187 ref.)

REHABILITATION

[Swiss Bechterew's Disease Association: a patient self-help organization] Baumberger H. **Schweiz Rundsch Med Prax** 1991 Jun 4;80(23):644–9 (55 ref.) (Eng. Abstr.) **(Ger)**
[Goals and possibilities of physiotherapy in ankylosing spondylitis] Schlumpf U. **Schweiz Rundsch Med Prax** 1991 Jun 4;80(23):639–43 (23 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Ankylosing spondylitis. Bennett GJ. **Clin Neurosurg** 1991; 37:622–35 (23 ref.)

THERAPY

[Sports in ankylosing spondylitis] Spring H. **Schweiz Rundsch Med Prax** 1991 Jun 4;80(23):629–35 (36 ref.) (Eng. Abstr.) **(Ger)**

SPONDYLODISCITIS see **DISCITIS**

SPONDYLOEPIPHYSEAL DYSPLASIA see **OSTEOCHONDRODYSPLASIAS**

SPONDYLOLISTHESIS

PHYSIOPATHOLOGY

Instability in spondylolisthesis. Friberg O. **Orthopedics** 1991 Apr;14(4):463–5 (23 ref.)

SPONDYLOLYSIS

COMPLICATIONS

Stress fracture of the lumbar pedicle. Case reports of "pediculolysis" and review of the literature. Gunzburg R, et al. **Spine** 1991 Feb;16(2):185–9 (40 ref.)

SPONDYLOSIS see **SPINAL OSTEOPHYTOSIS**

SPONDYLOSIS DEFORMANS see **SPINAL OSTEOPHYTOSIS**

SPONGURIDINE see **ARABINOFURANOSYLURACIL**

SPORE COUNT see **COLONY COUNT, MICROBIAL**

SPORES, BACTERIAL

CYTOLOGY

Longevity of microorganisms in natural environments. Gest H, et al. **Microbiol Sci** 1987 Mar;4(3):69–71 (19 ref.)

GENETICS

The genetics of bacterial spore germination. Moir A, et al. **Annu Rev Microbiol** 1990;44:531–53 (120 ref.)

SPORES, FUNGAL

IMMUNOLOGY

Current status of mold immunotherapy. Dhillon M. **Ann Allergy** 1991 May;66(5):385–92 (30 ref.)

SPOROTHRIX see **SPOROTRICHUM**

SPOROTRICHOSIS

Fungal infections in pediatric patients. Bosso JA. **Pharmacotherapy** 1990;10(6 (Pt 3)):150S–153S (24 ref.)

SPOROTRICHUM

IMMUNOLOGY

Antigenic structures of Sporothrix schenckii. Travassos LR. **Immunol Ser** 1989;47:193–221 (87 ref.)

SPOROZOA

IMMUNOLOGY

Development of recombinant antigen vaccines for the control of theileriosis. Musoke AJ, et al. **Parassitologia** 1990 Apr; 32(1):73–85 (65 ref.)
Methods currently used for the control of Theileria annulata: their validity and proposals for future control strategies. Singh DK. **Parassitologia** 1990 Apr;32(1):33–40 (15 ref.)

ISOLATION & PURIFICATION

Control of Theileria species (other than East Coast fever and Theileria annulata infection), Ehrlichia and tick toxicosis: present situation and proposals for future control strategies. Young AS. **Parassitologia** 1990 Apr;32(1):41–54 (81 ref.)

PHYSIOLOGY

Theileria parva: influence of vector, parasite and host relationships on the epidemiology of theileriosis in southern Africa. Norval RA, et al. **Parasitology** 1991 Jun;102 Pt 3:347–56 (74 ref.)
[Common characteristics of the invasion of host cells by sporozoa] Dubremetz JF. **Ann Parasitol Hum Comp** 1990; 65 Suppl 1:23–5 (17 ref.) (Eng. Abstr.) **(Fre)**

SPORTS

see related
ATHLETIC INJURIES
DOPING IN SPORTS

Sudden cardiac death in young athletes. A review. McCaffrey FM, et al. **Am J Dis Child** 1991 Feb; 145(2):177–83 (88 ref.)
Bone mineral density levels in elite female athletes. Wolman RL. **Ann Rheum Dis** 1990 Dec;49(12):1013–6 (41 ref.)
Nutrition and athletic performance. Kris-Etherton PM. **Bol Asoc Med P R** 1990 Aug;82(8):366–8 (32 ref.)
Overtraining syndrome. Budgett R. **Br J Sports Med** 1990 Dec;24(4):231–6 (59 ref.)
Intensive training in young athletes. Maffulli N, et al. **Br J Sports Med** 1990 Dec;24(4):237–9 (50 ref.)
Sudden cardiac death in blacks, including black athletes. Williams RA. **Cardiovasc Clin** 1991;21(3):297–320 (76 ref.)
Sports-medicine considerations of lesser metatarsalgia. McNerney JE. **Clin Podiatr Med Surg** 1990 Oct;7(4):645–87 (41 ref.)
Rowing and sculling and the older athlete. Boland AL, et al. **Clin Sports Med** 1991 Apr;10(2):245–56 (11 ref.)
Nutrition of the older athlete. Rock CL. **Clin Sports Med** 1991 Apr;10(2):445–57 (44 ref.)
Analysis of upper-extremity performance in athletes and musicians. An KN, et al. **Hand Clin** 1990 Aug;6(3):393–403 (19 ref.)
The possible involvement of endogenous opioid peptides and catecholestrogens in provoking menstrual irregularities in women athletes. De Crée C. **Int J Sports Med** 1990 Oct; 11(5):329–48 (150 ref.)
Preseason cardiovascular examination: a review. Hergenroeder AC, et al. **J Adolesc Health Care** 1990 Sep; 11(5):379–86 (60 ref.)
Are high-performance young women athletes doomed to become low-performance old wives? A reconsideration of the increased risk of osteoporosis in amenorrheic women. De Cree C, et al. **J Sports Med Phys Fitness** 1991 Mar; 31(1):108–14 (30 ref.)
Mineral waters in treatment of metabolic changes from fatigue in sportsmen. Grassi M, et al. **J Sports Med Phys Fitness** 1990 Dec;30(4):441–9 (37 ref.)
Minerals: exercise performance and supplementation in athletes. Clarkson PM. **J Sports Sci** 1991 Summer;9 Spec No:91–116 (122 ref.)
J.B. Wolffe memorial lecture. Biomechanics: a bridge builder among the sport sciences. Cavanagh PR. **Med Sci Sports Exerc** 1990 Oct;22(5):546–57 (81 ref.)
Nutritional intake in adolescent athletes. Loosli AR, et al. **Pediatr Clin North Am** 1990 Oct;37(5):1143–52 (40 ref.)
Iron deficiency in the young athlete. Rowland TW. **Pediatr Clin North Am** 1990 Oct;37(5):1153–63 (37 ref.)
Heat illness. Fluid and electrolyte issues for pediatric and adolescent athletes. Squire DL. **Pediatr Clin North Am** 1990 Oct;37(5):1085–109 (99 ref.)
Amenorrhea, osteopenia, and the female athlete. White CM, et al. **Pediatr Clin North Am** 1990 Oct;37(5):1125–41 (104 ref.)
Competitive sport and the insulin-dependent diabetic patient. Greenhalgh PM. **Postgrad Med J** 1990 Oct;66(780):803–6 (53 ref.)
Interpretive and critical research in sport and physical education. Bain LL. **Res Q Exerc Sport** 1989 Mar; 60(1):21–4 (37 ref.)
Qualitative research as a form of scientific inquiry in sport and physical education. Locke LF. **Res Q Exerc Sport** 1989 Mar;60(1):1–20 (66 ref.)
Testing for hypothesized equality. Londeree BR, et al. **Res Q Exerc Sport** 1990 Sep;61(3):275–9 (25 ref.)
Becoming a high school coach: from playing sports to coaching. Sage GH. **Res Q Exerc Sport** 1989 Mar; 60(1):81–92 (60 ref.)
Qualitative research: comments and controversies. Schutz RW. **Res Q Exerc Sport** 1989 Mar;60(1):30–5 (26 ref.)
Benefits of sport and physical activity for the disabled: implications for the individual and for society. Shephard RJ. **Scand J Rehabil Med** 1991;23(2):51–9 (80 ref.)
The 'athletic heart syndrome'. A critical review. George KP, et al. **Sports Med** 1991 May;11(5):300–30 (238 ref.)
[Sports and diabetes in children and adolescents] Dorchy H, et al. **Ann Pediatr (Paris)** 1991 Apr;38(4):217–23 (3 ref.) (Eng. Abstr.) **(Fre)**
[Physical activities in "sick" children, sports on prescription] de Mondenard JP. **Schweiz Z Sportmed** 1991 Mar; 39(1):21–31 (71 ref.) (Eng. Abstr.) **(Fre)**
[Sports and the digestive tract] Moser B. **Dtsch Med Wochenschr** 1990 Sep 21;115(38):1448–51 (50 ref.) **(Ger)**
[The sports heart and its differentiation. Differential diagnosis of pathologic conditions in athletes] Kindermann W, et al. **Fortschr Med** 1991 Jan 30;109(3):33–6 (0 ref.) (Eng. Abstr.) **(Ger)**
[The value of physical activity for prevention of coronary heart disease] Rost R, et al. **Fortschr Med** 1991 Jan 30; 109(3):41–4 (0 ref.) (Eng. Abstr.) **(Ger)**
[Tachycardic arrhythmias in athletes. Incidence, clinical relevance and prognostic significance] Zehender M, et al. **Fortschr Med** 1991 Jan 30;109(3):37–40 (31 ref.) (Eng. Abstr.) **(Ger)**
[Practical experiences with wheelchair sports of paraplegic patients] Kober G. **Rehabilitation (Stuttg)** 1990 Nov; 29(4):232–5 (17 ref.) (Eng. Abstr.) **(Ger)**
[Sports in ankylosing spondylitis] Spring H. **Schweiz Rundsch Med Prax** 1991 Jun 4;80(23):629–35 (36 ref.) (Eng. Abstr.) **(Ger)**
[Chronic pediatric pathology and sports] Caramia G, et al. **Pediatr Med Chir** 1990 Jul-Aug;12(4):333–41 (41 ref.) (Eng. Abstr.) **(Ita)**
[Evaluation of athletic potential. Drugs and athletics. Stress reduction in the practice of sports in children and adolescents] Cervera Luque JM. **An Esp Pediatr** 1990 Nov; 33 Suppl 43:116–9 (15 ref.) **(Spa)**
[Physical maturation and sport participation. Adolescent female athletes] Cuadrado Martínez P. **An Esp Pediatr** 1990 Nov;33 Suppl 43:110–5 (10 ref.) **(Spa)**
[Diurnal rhythm and performance in sports--a review and some practical advice] Berglund B. **Lakartidningen** 1991 May 22;88(21):1975–7 (26 ref.) **(Swe)**

PSYCHOLOGY

The psychology of the aging athlete. Moss N. **Clin Sports Med** 1991 Apr;10(2):431–44 (21 ref.)
Exercise and sport in mental health: a review of the literature. Gleser J, et al. **Isr J Psychiatry Relat Sci** 1990;27(2):99–112 (83 ref.)
Stress management for athletes. Wilks B. **Sports Med** 1991 May;11(5):289–99 (99 ref.)

TRENDS

Performance-enhancing aids in sport: health consequences and nutritional alternatives. Kleiner SM. **J Am Coll Nutr** 1991 Apr;10(2):163–76 (107 ref.)

SPORTS MEDICINE

see related
ATHLETIC INJURIES
PROTECTIVE DEVICES

[Infectious dermatoses in athletes] Ben Mosbah T, et al. **Rev Med Liege** 1990 Nov;45(11):571–7 (57 ref.) **(Fre)**
[Sports and arthrosis] Gremion G, et al. **Schweiz Z Sportmed** 1990 Nov;38(3):143–9 (17 ref.) (Eng. Abstr.) **(Fre)**
[Preparticipation medical screening: rationale and practical approach] Dlin R, et al. **Harefuah** 1991 Feb 15;120(4):221–6 (29 ref.) **(Heb)**

SPOUSE ABUSE

DIAGNOSIS

The role of the physician in identifying and treating abused women. Brashear DB. **Indiana Med** 1990 Aug;83(8):574–7 (20 ref.)
Clinical strategies in recognizing spouse abuse. Veltkamp LJ, et al. **Psychiatr Q** 1990 Fall;61(3):179–87 (21 ref.)

LEGISLATION & JURISPRUDENCE

Contributions of family violence research to criminal justice policy on wife assault: paradigms of science and social control. Fagan J. **Violence Vict** 1988 Fall;3(3):159–86 (130 ref.)

PSYCHOLOGY

Self-esteem as a factor in social and domestic violence. Rosen I. **Br J Psychiatry** 1991 Jan;158:18–23 (11 ref.)
Children's observations of violence: I. Critical issues in child development and intervention planning. Jaffe PG, et al. **Can J Psychiatry** 1990 Aug;35(6):466–70 (37 ref.)
Love and violence: gender paradoxes in volatile attachments. Goldner V, et al. **Fam Process** 1990 Dec;29(4):343–64 (34 ref.)
Battered women and the myth of masochism. Moss VA. **J Psychosoc Nurs Ment Health Serv** 1991 Jul;29(7):18–23 (17 ref.)
Profiling of wife assaulters: preliminary evidence for a trimodal analysis. Dutton DG. **Violence Vict** 1988 Spring; 3(1):5–29 (110 ref.)
Male abuse of a married or cohabiting female partner: the application of sociological theory to research findings. Ellis D. **Violence Vict** 1989 Winter;4(4):235–55 (95 ref.)
Crime at home and in the streets: the relationship between family and stranger violence. Fagan J, et al. **Violence Vict** 1987 Spring;2(1):5–23 (110 ref.)
An analysis of risk markers in husband to wife violence: the

current state of knowledge. Hotaling GT, et al. **Violence Vict** 1986 Summer;1(2):101–24 (90 ref.)
The male batterer: clinical and research issues. Sonkin DJ. **Violence Vict** 1988 Spring;3(1):65–79 (85 ref.)

SPRAINS AND STRAINS

Ankle sprains are always more than 'just a sprain'. Stanley KL. **Postgrad Med** 1991 Jan;89(1):251–5 (10 ref.)

DIAGNOSIS

Chronic and recurrent ankle sprains. Zimmer TJ. **Clin Sports Med** 1991 Jul;10(3):653–9 (11 ref.)

PREVENTION & CONTROL

Prophylactic ankle bracing. Miller EA, et al. **Pediatr Clin North Am** 1990 Oct;37(5):1175–85 (20 ref.)

THERAPY

Common ankle injuries in the athlete. Ruda SC. **Nurs Clin North Am** 1991 Mar;26(1):167–80 (12 ref.)

SPREAD PLATE COUNT see **COLONY COUNT, MICROBIAL**

SPRUE see **CELIAC DISEASE**

SPUMAVIRINAE

GENETICS

Spumaviruses: a group of complex retroviruses. Flügel RM. **J Acquir Immune Defic Syndr** 1991;4(8):739–50 (56 ref.)

PHYSIOLOGY

Replication and regulation of primate foamy viruses. Mergia A, et al. **Virology** 1991 Oct;184(2):475–82 (61 ref.)

SPUTUM

CHEMISTRY

Assessment of soluble parameters in sputum. Stockley RA, et al. **Agents Actions Suppl** 1990;30:145–60 (16 ref.)

CYTOLOGY

Sputum cell counts in airway disease: a useful sampling technique. Gibson PG, et al. **Agents Actions Suppl** 1990; 30:161–72 (16 ref.)

IMMUNOLOGY

The measuring of "respiratory-membrane permeability" and local production of immunoglobulins and antibodies by means of an analysis of sputum. van de Graaf EA, et al. **Agents Actions Suppl** 1990;30:257–67 (27 ref.)

METABOLISM

Respiratory tract penetration of quinolone antimicrobials: a case in study. Ritrovato CA, et al. **Pharmacotherapy** 1991; 11(1):38–49 (70 ref.)

MICROBIOLOGY

[Usefulness of the sputum for the etiologic diagnosis of pneumonia] Pachón J, et al. **Enferm Infecc Microbiol Clin** 1989 Jan;7(1):44–7 (47 ref.) **(Spa)**

PARASITOLOGY

Disseminated strongyloidiasis in AIDS and non-AIDS immunocompromised hosts: diagnosis by sputum and bronchoalveolar lavage. Kramer MR, et al. **South Med J** 1990 Oct;83(10):1226–9 (24 ref.)

SQ 14225 see **CAPTOPRIL**

SQUID

ANATOMY & HISTOLOGY

The epistellar body and what followed from its discovery. Young JZ. **Boll Soc Ital Biol Sper** 1990 Jul;66(7):607–13 (19 ref.)

PHYSIOLOGY

Stoichiometry and voltage dependence of the Na+/K+ pump in squid giant axons and Xenopus oocytes. Rakowski RF. **Soc Gen Physiol Ser** 1991;46:339–53 (25 ref.)

SQUINT see **STRABISMUS**

SRC GENES see **GENES, SRC**

SRC ONCOGENE PROTEIN PP60 see **ONCOGENE PROTEIN PP60(V-SRC)**

SRC PROTO-ONCOGENE PROTEIN PP60 see **PROTO-ONCOGENE PROTEIN PP60(C-SRC)**

SRS-A

ANALOGS & DERIVATIVES

Sulphidopeptide leukotrienes in asthma. Lee TH, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21A:415–9 (9 ref.)

BIOSYNTHESIS

Eosinophil phenotypes and LTC4 generation in vitro and in hypereosinophilic states. Sheff DM, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:481–8 (77 ref.)

PHARMACOLOGY

The role of phospholipase A2 activating protein (PLAP) in regulating prostanoid production in smooth muscle and endothelial cells following leukotriene D4 treatment. Clark MA, et al. **Adv Exp Med Biol** 1990;275:125–44 (11 ref.)

PHYSIOLOGY

Sulphidopeptide leukotrienes in asthma. Lee TH, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21A:415–9 (9 ref.)
[Leukotrienes and myocardial ischemia] Moĭbenko AA, et al. **Kardiologiia** 1991 May;31(5):79–82 (92 ref.) **(Rus)**

SSPE see **SUBACUTE SCLEROSING PANENCEPHALITIS**

ST. ANTHONY'S FIRE see **ERGOTISM**

STA-MCA BYPASS see **CEREBRAL REVASCULARIZATION**

STABILIZING AGENTS see **EXCIPIENTS**

STABLE FACTOR see **FACTOR VII**

STAGGERER MICE see **MICE, NEUROLOGIC MUTANTS**

STAGING, NEOPLASM see **NEOPLASM STAGING**

STAINS AND STAINING

The collagen fibril—a model system for studying the staining and fixation of a protein. Chapman JA, et al. **Electron Microsc Rev** 1990;3(1):143–82 (80 ref.)
Negative staining of proteins. Kiselev NA, et al. **Electron Microsc Rev** 1990;3(1):43–72 (151 ref.)
Mechanisms of protein silver staining in polyacrylamide gels: a 10-year synthesis. Rabilloud T. **Electrophoresis** 1990 Oct; 11(10):785–94 (63 ref.)
New stains for blood and bone marrow cells. Kass L. **Stain Technol** 1990;65(5):211–30 (101 ref.)

METHODS

The use of the diff-quik stain in the immediate interpretation of fine-needle aspiration biopsies. Silverman JF, et al. **Diagn Cytopathol** 1990;6(5):366–9 (16 ref.)
[The theory of the staining of tissue basophils with the PAS method] Lopunova ZhK. **Arkh Anat Gistol Embriol** 1991 Mar;100(3):70–3 (32 ref.) **(Rus)**

STANDARDS

Standardization of biological dyes and stains: pitfalls and possibilities. Schulte EK. **Histochemistry** 1991;95(4):319–28 (140 ref.)

STAMMERING see **STUTTERING**

STANDARD PREPARATIONS see **REFERENCE STANDARDS**

STANDARDS, REFERENCE see **REFERENCE STANDARDS**

STAPEDECTOMY see **STAPES SURGERY**

STAPEDIUS

PHYSIOLOGY

Acoustic reflex measures in audiologic evaluation. Margolis RH, et al. **Otolaryngol Clin North Am** 1991 Apr; 24(2):329–47 (43 ref.)

STAPES

Surgery for congenital stapes ankylosis with an associated congenital ossicular chain anomaly. Teunissen B, et al. **Int J Pediatr Otorhinolaryngol** 1991 May;21(3):217–26 (34 ref.)

ABNORMALITIES

Isolated congenital stapes ankylosis: surgical results in 32 ears and a review of the literature. Teunissen B, et al. **Laryngoscope** 1990 Dec;100(12):1331–6 (59 ref.)

STAPES SURGERY

Surgery for congenital stapes ankylosis with an associated congenital ossicular chain anomaly. Teunissen B, et al. **Int J Pediatr Otorhinolaryngol** 1991 May;21(3):217–26 (34 ref.)

ADVERSE EFFECTS

Stapes surgery in osteogenesis imperfecta: analysis of postoperative hearing loss. Garretsen TJ, et al. **Ann Otol Rhinol Laryngol** 1991 Feb;100(2):120–30 (45 ref.)

STAPHYLOCOAGULASE see **COAGULASE**

STAPHYLOCOCCAL CLUMPING FACTOR see **COAGULASE**

STAPHYLOCOCCAL FOOD POISONING

EPIDEMIOLOGY

Foodborne staphylococcal illness. Tranter HS. **Lancet** 1990 Oct 27;336(8722):1044–6 (17 ref.)

STAPHYLOCOCCAL INFECTIONS

see related
CROSS INFECTION

Expanding perspectives on the toxic shock syndrome. Freedman JD, et al. **Adv Intern Med** 1991;36:363–97 (151 ref.)
Native valve Staphylococcus epidermidis endocarditis: report of seven cases and review of the literature. Arber N, et al. **Am J Med** 1991 Jun;90(6):758–62 (30 ref.)
Staphylococcal and streptococcal pyrogenic toxins involved in toxic shock syndrome and related illnesses. Bohach GA, et al. **Crit Rev Microbiol** 1990;17(4):251–72 (224 ref.)
Pyogenic infection of the sacroiliac joint. Case reports and review of the literature. Vyskocil JJ, et al. **Medicine (Baltimore)** 1991 May;70(3):188–97 (53 ref.)
Infected intracranial aneurysm in an infant: case report. Whitfield PC, et al. **Neurosurgery** 1991 Apr;28(4):623–5 (27 ref.)
[Native valve endocarditis caused by Staphylococcus epidermidis] Aguado JM. **Enferm Infecc Microbiol Clin** 1989 Apr;7(4):210–6 (41 ref.) **(Spa)**

COMPLICATIONS

Pyomyositis in patients with the human immunodeficiency virus: an unusual form of disseminated bacterial infection. Widrow CA, et al. **Am J Med** 1991 Aug;91(2):129–36 (46 ref.)
[Neurologic manifestations of infectious endocarditis] Hannachi N, et al. **Arch Mal Coeur Vaiss** 1991 Jan; 84(1):81–6 (21 ref.) (Eng. Abstr.) **(Fre)**
[Rupture of an infected vein graft in the course of mediastinitis following coronary artery bypass grafting: report of a case] Kohno H, et al. **Kyobu Geka** 1990 Nov; 43(12):996–9 (11 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Postoperative toxic shock syndrome. Hughes D, et al. **Iowa Med** 1991 Feb;81(2):55–8 (9 ref.)
Recurrent aortic graft infection following descending thoracic aorta to femoral artery bypass. A case report and review. Costantino MJ. **J Cardiovasc Surg (Torino)** 1991 Jul-Aug;32(4):477–81 (22 ref.)
Neonatal renal abscess caused by Staphylococcus aureus. Dougherty FE, et al. **Pediatr Infect Dis J** 1991 Jun; 10(6):463–6 (28 ref.)
[The differential diagnosis of malignant soft tissue tumors: pyomyositis] Ahrens P, et al. **Aktuelle Radiol** 1991 Jan; 1(1):40–2 (8 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Treatment of infection and colonization caused by methicillin-resistant Staphylococcus aureus. Chambers HF. **Infect Control Hosp Epidemiol** 1991 Jan;12(1):29–35 (77 ref.)
Emergent resistance to ciprofloxacin amongst Pseudomonas aeruginosa and Staphylococcus aureus: clinical significance and therapeutic approaches. Ball P. **J Antimicrob Chemother** 1990 Dec;26 Suppl F:165–79 (75 ref.)
[Therapy and prophylaxis of infectious endocarditis] [see comments] Niebel J. **Immun Infekt** 1991 Apr;19(2):45–9 (18 ref.) (Eng. Abstr.) Comment in: Immun Infekt 1991 Apr;19(2):37. **(Ger)**

EPIDEMIOLOGY

The worldwide problem of methicillin-resistant Staphylococcus aureus. Brumfitt W, et al. **Drugs Exp Clin Res** 1990;16(5):205–14 (43 ref.)

ETIOLOGY

Fibronectin-staphylococcal interactions in endovascular infections. Proctor RA. **Int J Med Microbiol** 1990 Dec; 274(3):342–9 (48 ref.)

Osteomyelitis of the wrist in a patient with Hodgkin's disease. Hayes TG, et al. **J Intern Med** 1991 May;229(5):467–9 (13 ref.)
An evaluation of the role of surface hydrophobicity and extracellular slime in the pathogenesis of foreign-body-related infections due to coagulase-negative staphylococci. Fleer A, et al. **J Invest Surg** 1989;2(4):391–6 (10 ref.)
New aspects in the pathogenesis and prevention of polymer-associated foreign-body infections caused by coagulase-negative staphylococci. Jansen B, et al. **J Invest Surg** 1989;2(4):361–80 (91 ref.)

IMMUNOLOGY

Cystic fibrosis. Infection and immunity to Staphylococcus aureus and Haemophilus influenzae. Greenberg DP, et al. **Clin Rev Allergy** 1991 Spring-Summer;9(1–2):75–86 (46 ref.)
Staphylococcal enterotoxins and the immune system. Wood AC, et al. **FEMS Microbiol Immunol** 1991 Jun;3(3):121–33 (134 ref.)
[In vitro and in vivo efficacy of a toxin-neutralizing human staphylococcal immunoglobulin] Hungerer KD, et al. **Behring Inst Mitt** 1990 Oct;(86):170–84 (32 ref.) (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Neonatal infections with coagulase negative staphylococci. Millar MR, et al. **Arch Dis Child** 1990 Oct;65(10 Spec No):1015–6 (23 ref.)
Microbiology of airway disease in patients with cystic fibrosis. Gilligan PH. **Clin Microbiol Rev** 1991 Jan; 4(1):35–51 (213 ref.)
Coagulase-negative staphylococcal infection in the neonate. St. Geme JW 3d, et al. **Clin Perinatol** 1991 Jun; 18(2):281–302 (116 ref.)
Nasal carriage of Staphylococcus aureus and its influence on hospital infections caused by methicillin-resistant strains. Heczko PB, et al. **Int J Med Microbiol** 1990 Dec; 274(3):333–41 (41 ref.)
Coagulase-negative staphylococcal infections in neonates. Hall SL. **Pediatr Infect Dis J** 1991 Jan;10(1):57–67 (129 ref.)

PREVENTION & CONTROL

Antimicrobial prophylaxis in coronary bypass surgery: a critical appraisal. Ariano RE, et al. **DICP** 1991 May; 25(5):478–84 (42 ref.)
Should we vigorously try to contain and control methicillin-resistant Staphylococcus aureus? Boyce JM. **Infect Control Hosp Epidemiol** 1991 Jan;12(1):46–54 (95 ref.)
Prevention of infection by ciprofloxacin in neutropenia. Warren RE, et al. **J Antimicrob Chemother** 1990 Dec;26 Suppl F:109–23 (66 ref.)
Postoperative endophthalmitis. Elston RA, et al. **J Hosp Infect** 1991 Apr;17(4):243–53 (49 ref.)
Potential for vaccination against infections caused by Staphylococcus aureus. Foster TJ. **Vaccine** 1991 Apr; 9(4):221–7 (99 ref.)

TRANSMISSION

Methicillin-resistant Staphylococcus aureus in extended-care facilities: experiences in a Veterans' Affairs nursing home and a review of the literature. Strausbaugh LJ, et al. **Infect Control Hosp Epidemiol** 1991 Jan;12(1):36–45 (33 ref.)

STAPHYLOCOCCAL PNEUMONIA see **PNEUMONIA, STAPHYLOCOCCAL**

STAPHYLOCOCCAL PROTEIN A

Therapeutic plasmapheresis and protein A immunoadsorption in malignancy: a brief review. Nand S, et al. **J Clin Apheresis** 1990;5(4):206–12 (77 ref.)

STAPHYLOCOCCAL SCALDED SKIN SYNDROME

ETIOLOGY

[A picture of epidermal necrolysis after hepatic allograft. Etiologic aspects] Merle C, et al. **Ann Dermatol Venereol** 1990;117(9):635–9 (25 ref.) **(Fre)**

THERAPY

Managing skin infections in children. Wooldridge WE. **Postgrad Med** 1991 Mar;89(4):109–12 (14 ref.)

STAPHYLOCOCCAL SKIN INFECTIONS

Infectious skin diseases. Ferrante JA. **Prim Care** 1990 Dec; 17(4):867–81 (12 ref.)
The pathogenic staphylococci. Aly R. **Semin Dermatol** 1990 Dec;9(4):292–9 (41 ref.)

VETERINARY

Strategies for management of recurrent pyoderma in dogs. DeBoer DJ. **Vet Clin North Am Small Anim Pract** 1990 Nov;20(6):1509–24 (28 ref.)

STAPHYLOCOCCUS

[Current methods of staphylococcal enterotoxin detection in food products] Domaradskaia TI. **Vopr Pitan** 1991 Jan–Feb; (1):7–12 (75 ref.) **(Rus)**

CLASSIFICATION

Epidemiologic typing systems for coagulase-negative staphylococci. Birnbaum D, et al. **Infect Control Hosp Epidemiol** 1991 May;12(5):319–26 (51 ref.)

ENZYMOLOGY

Neonatal infections with coagulase negative staphylococci. Millar MR, et al. **Arch Dis Child** 1990 Oct;65(10 Spec No):1015–6 (23 ref.)
Coagulase-negative staphylococcal infections in neonates. Hall SL. **Pediatr Infect Dis J** 1991 Jan;10(1):57–67 (129 ref.)

IMMUNOLOGY

Biological properties of staphylococcal lipoteichoic acid and related macromolecules. Ohshima Y, et al. **Int J Med Microbiol** 1990 Dec;274(3):359–65 (40 ref.)

METABOLISM

Fibronectin-staphylococcal interactions in endovascular infections. Proctor RA. **Int J Med Microbiol** 1990 Dec; 274(3):342–9 (48 ref.)

PATHOGENICITY

Coagulase-negative staphylococcal infection in the neonate. St. Geme JW 3d, et al. **Clin Perinatol** 1991 Jun; 18(2):281–302 (116 ref.)

PHYSIOLOGY

Surface proteins of coagulase-negative staphylococci: their role in adherence to biomaterials and in opsonization. Fleer A, et al. **J Biomater Appl** 1990 Oct;5(2):154–65 (26 ref.)
Role of host and bacterial factors in modulating staphylococcal adhesion to implanted polymer surfaces. Vaudaux P, et al. **J Biomater Appl** 1990 Oct;5(2):134–53 (57 ref.)
An evaluation of the role of surface hydrophobicity and extracellular slime in the pathogenesis of foreign-body-related infections due to coagulase-negative staphylococci. Fleer A, et al. **J Invest Surg** 1989;2(4):391–6 (10 ref.)
New aspects in the pathogenesis and prevention of polymer-associated foreign-body infections caused by coagulase-negative staphylococci. Jansen B, et al. **J Invest Surg** 1989;2(4):361–80 (91 ref.)

STAPHYLOCOCCUS AUREUS

Staphylococcal and streptococcal pyrogenic toxins involved in toxic shock syndrome and related illnesses. Bohach GA, et al. **Crit Rev Microbiol** 1990;17(4):251–72 (224 ref.)
The pathogenic staphylococci. Aly R. **Semin Dermatol** 1990 Dec;9(4):292–9 (41 ref.)
[Interaction of staphylococcal alpha-toxin with biomembranes] Bukharova TB, et al. **Mol Gen Mikrobiol Virusol** 1990 Aug;(8):3–4 (30 ref.) (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Nasal carriage of MRSA: the role of mupirocin and outlook for resistance. Hill RL, et al. **Drugs Exp Clin Res** 1990; 16(8):397–402 (56 ref.)
Activity of antibiotics against microorganisms ingested by mononuclear phagocytes. van den Broek PJ. **Eur J Clin Microbiol Infect Dis** 1991 Feb;10(2):114–8 (42 ref.)
Activity of antibiotics against Staphylococcus aureus within polymorphonuclear neutrophils. Yancey RJ, et al. **Eur J Clin Microbiol Infect Dis** 1991 Feb;10(2):107–13 (31 ref.)
Should we vigorously try to contain and control methicillin-resistant Staphylococcus aureus? Boyce JM. **Infect Control Hosp Epidemiol** 1991 Jan;12(1):46–54 (95 ref.)
Effect of pefloxacin on microorganism: host cell interaction. Desnottes JF, et al. **J Antimicrob Chemother** 1990 Oct;26 Suppl B:17–26 (30 ref.)

ENZYMOLOGY

The cellobiose permease of Escherichia coli consists of three proteins and is homologous to the lactose permease of Staphylococcus aureus. Reizer J, et al. **Res Microbiol** 1990 Nov-Dec;141(9):1061–7 (15 ref.)

GENETICS

Antimicrobial resistance and gene transfer in Staphylococcus aureus. al-Masaudi SB, et al. **J Appl Bacteriol** 1991 Apr; 70(4):279–90 (84 ref.)

GROWTH & DEVELOPMENT

Nasal carriage of Staphylococcus aureus and its influence on hospital infections caused by methicillin-resistant strains. Heczko PB, et al. **Int J Med Microbiol** 1990 Dec; 274(3):333–41 (41 ref.)

IMMUNOLOGY

Mitogenic toxins as MHC class II-dependent probes for T cell antigen receptors. Fleischer B, et al. **Behring Inst Mitt** 1991 Feb;(88):170–6 (17 ref.)
Staphylococcal enterotoxins and the immune system. Wood AC, et al. **FEMS Microbiol Immunol** 1991 Jun;3(3):121–33 (134 ref.)
Staphylococcal–enterotoxin-dependent cell-mediated cytotoxicity. Dohlsten M, et al. **Immunol Today** 1991 May; 12(5):147–50 (42 ref.)
Potential for vaccination against infections caused by Staphylococcus aureus. Foster TJ. **Vaccine** 1991 Apr; 9(4):221–7 (99 ref.)
[In vitro and in vivo efficacy of a toxin-neutralizing human staphylococcal immunoglobulin] Hungerer KD, et al. **Behring Inst Mitt** 1990 Oct;(86):170–84 (32 ref.) (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Infected pseudocyst of adrenal gland. Case report. Naess H, et al. **Eur J Surg** 1991 Mar;157(3):237–8 (11 ref.)

METABOLISM

Interactions of bacteria with extracellular matrix proteins. Hook M, et al. **Cell Differ Dev** 1990 Dec 2;32(3):433–8 (14 ref.)
Foodborne staphylococcal illness. Tranter HS. **Lancet** 1990 Oct 27;336(8722):1044–6 (17 ref.)

PATHOGENICITY

Expanding perspectives on the toxic shock syndrome. Freedman JD, et al. **Adv Intern Med** 1991;36:363–97 (151 ref.)

PHYSIOLOGY

The worldwide problem of methicillin-resistant Staphylococcus aureus. Brumfitt W, et al. **Drugs Exp Clin Res** 1990;16(5):205–14 (43 ref.)

STAPHYLOCOCCUS EPIDERMIDIS

Native valve Staphylococcus epidermidis endocarditis: report of seven cases and review of the literature. Arber N, et al. **Am J Med** 1991 Jun;90(6):758–62 (30 ref.)
Recurrent aortic graft infection following descending thoracic aorta to femoral artery bypass. A case report and review. Costantino MJ. **J Cardiovasc Surg (Torino)** 1991 Jul–Aug;32(4):477–81 (22 ref.)
Pyogenic infection of the sacroiliac joint. Case reports and review of the literature. Vyskocil JJ, et al. **Medicine (Baltimore)** 1991 May;70(3):188–97 (53 ref.)
[Native valve endocarditis caused by Staphylococcus epidermidis] Aguado JM. **Enferm Infecc Microbiol Clin** 1989 Apr;7(4):210–6 (41 ref.) **(Spa)**

ISOLATION & PURIFICATION

Postoperative toxic shock syndrome. Hughes D, et al. **Iowa Med** 1991 Feb;81(2):55–8 (9 ref.)

STARCH

Starch and dietary fibre: their physiological and epidemiological interrelationships. Stephen AM. **Can J Physiol Pharmacol** 1991 Jan;69(1):116–20 (31 ref.)

ADMINISTRATION & DOSAGE

Mechanisms and experimental and epidemiological evidence relating dietary fibre (non-starch polysaccharides) and starch to protection against large bowel cancer. Bingham SA. **Proc Nutr Soc** 1990 Jul;49(2):153–71 (123 ref.)

ADVERSE EFFECTS

Starch peritonitis. A case report and clinicopathologic review. Klink B, et al. **Am Surg** 1990 Nov;56(11):672–4 (19 ref.)
The hazards of surgical glove dusting powders. Ellis H. **Surg Gynecol Obstet** 1990 Dec;171(6):521–7 (89 ref.)

ANALYSIS

Non-starch polysaccharides (dietary fiber) and resistant starch. Englyst HN, et al. **Adv Exp Med Biol** 1990; 270:205–25 (63 ref.)

CHEMISTRY

The structure and interactions of starch with food constituents. Biliaderis CG. **Can J Physiol Pharmacol** 1991 Jan;69(1):60–78 (170 ref.)
Composition, structure, functionality, and chemical modification of legume starches: a review. Hoover R, et

al. **Can J Physiol Pharmacol** 1991 Jan;69(1):79–92 (130 ref.)

METABOLISM

Passage of starch into the colon of humans: quantitation and implications. McBurney MI. **Can J Physiol Pharmacol** 1991 Jan;69(1):130–6 (78 ref.)
Measurement of starch absorption in humans. Strocchi A, et al. **Can J Physiol Pharmacol** 1991 Jan;69(1):108–10 (11 ref.)
Direct hydrolysis of raw starch. Ueda S, et al. **Microbiol Sci** 1984 Apr;1(1):21–4 (32 ref.)

PHARMACOLOGY

Small intestinal effects of starchy foods. Wolever TM. **Can J Physiol Pharmacol** 1991 Jan;69(1):93–9 (72 ref.)

TOXICITY

Toxicological evaluation of some enzymes, modified starches and certain other substances. Joint FAO/WHO Expert Committee on Food Additives. **FAO Nutr Meet Rep Ser** 1972;(50A):1–109 (258 ref.)

STARFISH

PHYSIOLOGY

Facts and hypotheses of calcium regulation of MPF activity during meiotic maturation of starfish oocytes. Dorée M, et al. **J Reprod Fertil Suppl** 1990;42:135–40 (57 ref.)
Egg signals for triggering the acrosome reaction in starfish spermatozoa. Hoshi M, et al. **J Reprod Fertil Suppl** 1990; 42:23–31 (21 ref.)

STARTLE REACTION

PHYSIOLOGY

The descending auditory pathway and acousticomotor systems: connections with the inferior colliculus. Huffman RF, et al. **Brain Res Brain Res Rev** 1990 Sep–Dec; 15(3):295–323 (337 ref.)
Startle response models of sensorimotor gating and habituation deficits in schizophrenia. Geyer MA, et al. **Brain Res Bull** 1990 Sep;25(3):485–98 (87 ref.)
Pharmacological and anatomical analysis of fear conditioning. Davis M. **NIDA Res Monogr** 1990;97:126–62 (120 ref.)

STARVATION

see related
HUNGER

Famine: a perspective for the nutrition community. Field JO. **Nutr Rev** 1991 May;49(5):144–52 (30 ref.)
Nutritional consequences of major gastrointestinal surgery. Patient outcome and starvation. Shikora SA, et al. **Surg Clin North Am** 1991 Jun;71(3):509–21 (54 ref.)

METABOLISM

Energy metabolism and indirect calorimetry in critically ill and injured patients. Bursztein S, et al. **Acute Care** 1988–89; 14–15:91–110 (38 ref.)

PHYSIOPATHOLOGY

Maternal weight gain, infant birth weight, and diet: causal sequences. Susser M. **Am J Clin Nutr** 1991 Jun; 53(6):1384–96 (58 ref.)
Nutritional status and biological response. Friedman L. **Fed Proc** 1966 Jan–Feb;25(1):137–44 (66 ref.)

STASIS ULCER see **VARICOSE ULCER**

STATE HEALTH PLANS

ECONOMICS

Financing health care for persons with HIV infection: guidelines for state action. Fox DM. **Am J Law Med** 1990; 16(1–2):223–47 (74 ref.)

LEGISLATION & JURISPRUDENCE

The politics of universal access: the Massachusetts Health Security Act of 1988. Goldberger SA. **J Health Polit Policy Law** 1990 Winter;15(4):857–85 (59 ref.)
The slippery slope of health care finance: business interests and hospital reimbursement in Massachusetts. Kronick R. **J Health Polit Policy Law** 1990 Winter;15(4):887–913 (6 ref.)

ORGANIZATION & ADMINISTRATION

Overlooked connections: policy development and implementation in state–local relations. Paul-Shaheen PA. **J Health Polit Policy Law** 1990 Winter;15(4):833–56 (22 ref.)
All-payer rate-setting and the provision of hospital care to the uninsured: the New Jersey experience. Rosko MD. **J Health Polit Policy Law** 1990 Winter;15(4):815–31 (31 ref.)

STATE MEDICINE

Towards a Swedish health policy for the 1990s: planned markets and public firms. von Otter C, et al. **Soc Sci Med** 1991;32(4):473–81 (46 ref.)

STATISTICAL BIAS see **BIAS (EPIDEMIOLOGY)**

STATISTICAL COMPUTING see **MATHEMATICAL COMPUTING**

STATISTICAL MODELS see **MODELS, STATISTICAL**

STATISTICAL REGRESSION see **REGRESSION ANALYSIS**

STATISTICS

see related
BIBLIOMETRICS
BIOMETRY
EPIDEMIOLOGIC METHODS
META-ANALYSIS
MODELS, STATISTICAL
PSYCHOMETRICS

Statistical methods and insights for protein and DNA sequences. Karlin S, et al. **Annu Rev Biophys Biophys Chem** 1991;20:175–203 (103 ref.)
Advances in data assessment. Application to the etiology of nausea reported during chemotherapy, concerns about significance testing, and opportunities in clinical trials. Morrow GR, et al. **Cancer** 1991 Feb 1;67(3 Suppl):780–7 (31 ref.)
Some statistical methods for immunodiagnostic cancer tests. Gail MH. **Immunol Ser** 1990;53:13–25 (26 ref.)
Statistical concepts and methods for the reader of clinical studies in emergency medicine. Lewis RJ, et al. **J Emerg Med** 1991 Jul–Aug;9(4):221–32 (92 ref.)
Neoadjuvant chemotherapy in invasive bladder cancer. Trial design and statistics. Dalesio O. **Prog Clin Biol Res** 1990; 353:57–64 (11 ref.)
Sequential stopping rules in clinical trials. McPherson K. **Stat Med** 1990 Jun;9(6):595–600 (24 ref.)
Multiple imputation in health-care databases: an overview and some applications. Rubin DB, et al. **Stat Med** 1991 Apr;10(4):585–98 (26 ref.)

METHODS

Graphical analysis of single-case time series data. Morley S, et al. **Br J Clin Psychol** 1991 May;30 (Pt 2):97–115 (18 ref.)
Statistical aspects of research methodology. Murray GD. **Br J Surg** 1991 Jul;78(7):777–81 (11 ref.)
Statistical aids to visual field interpretation. Mills RP. **J Ocul Pharmacol** 1991 Spring;7(1):89–95 (5 ref.)
Testing for hypothesized equality. Londeree BR, et al. **Res Q Exerc Sport** 1990 Sep;61(3):275–9 (25 ref.)

STATOCONIA see **OTOLITHIC MEMBRANE**

STATUS ASTHMATICUS

COMPLICATIONS

Isoproterenol infusion in the management of respiratory failure in children with status asthmaticus: experience in a small community hospital and review of the literature. Victoria MS, et al. **J Asthma** 1991;28(2):103–8 (16 ref.)
Resistant status asthmaticus in children. DeNicola LK, et al. **J Fla Med Assoc** 1990 Sep;77(9):809–13 (30 ref.)

PHYSIOPATHOLOGY

Severe acute asthma. Pathophysiology, clinical assessment, and treatment. Solèr M, et al. **Respiration** 1990;57(2):114–21 (48 ref.)

THERAPY

Status asthmaticus. Williams AJ, et al. **Acute Care** 1988–89; 14–15:208–28 (87 ref.)
[Therapy of status asthmaticus in childhood. A current review] Niggemann B, et al. **Monatsschr Kinderheilkd** 1991 Jun;139(6):323–9 (35 ref.) (Eng. Abstr.) **(Ger)**

STATUS DYSRAPHICUS see **SPINAL DYSRAPHISM**

STATUS EPILEPTICUS

CHEMICALLY INDUCED

[Generalized status epilepticus after ingestion of ibuprofen (Brufen), disclosing systemic lupus erythematosus] Lortholary A, et al. **Rev Med Interne** 1990 May–Jun; 11(3):243–4 (12 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

[Status epilepticus with aphasic manifestation] Thomas P, et al. **Rev Neurol (Paris)** 1991;147(3):246–50 (22 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Status epilepticus: concepts in diagnosis and treatment. DeLorenzo RJ. **Semin Neurol** 1990 Dec;10(4):396–405 (24 ref.)
[Non-convulsive status epilepticus and the importance of emergency EEG] Amit R, et al. **Harefuah** 1990 Jul; 119(1–2):35–6 (20 ref.) **(Heb)**

DRUG THERAPY

Convulsive disorders: status epilepticus. Bleck TP. **Clin Neuropharmacol** 1991 Jun;14(3):191–8 (16 ref.)
Status epilepticus. II: Treatment. Brown JK, et al. **Dev Med Child Neurol** 1991 Feb;33(2):97–109 (31 ref.)
[Barbiturate coma in the treatment of refractory status epilepticus in adults. Usefulness of continuous electroencephalography in intensive care] Jolliet P, et al. **Schweiz Med Wochenschr** 1991 Jun 15;121(24):903–9 (40 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Status epilepticus. I: Pathogenesis. Brown JK, et al. **Dev Med Child Neurol** 1991 Jan;33(1):3–17 (33 ref.)
Status epilepticus in infancy and childhood. Dunn DW. **Neurol Clin** 1990 Aug;8(3):647–57 (59 ref.)

THERAPY

Management of major status epilepticus in adults [see comments] O'Brien MD. **BMJ** 1990 Oct 20;301(6757):918 (0 ref.) Comment in: BMJ 1990 Dec 8;301(6764):1331–2.

STEATONECROSIS see **FAT NECROSIS**

STEATORRHEA see **CELIAC DISEASE**

STEELE-RICHARDSON-OLSZEWSKI SYNDROME see **SUPRANUCLEAR PALSY, PROGRESSIVE**

STEELY HAIR SYNDROME see **KINKY HAIR SYNDROME**

STEIN-LEVENTHAL SYNDROME see **POLYCYSTIC OVARY SYNDROME**

STELLATE GANGLION

ULTRASTRUCTURE

The epistellar body and what followed from its discovery. Young JZ. **Boll Soc Ital Biol Sper** 1990 Jul;66(7):607–13 (19 ref.)

STEM CELLS

Lineage analysis with a recombinant retrovirus: application to chick spinal motor neurons. Leber SM, et al. **Adv Neurol** 1991;56:27–36 (41 ref.)
Gene targeting in murine embryonic stem cells: introduction of specific alterations into the mammalian genome. Mansour SL. **Genet Anal Tech Appl** 1990 Dec;7(8):219–27 (66 ref.)

CYTOLOGY

The proliferation and fusion of myoblasts in vivo. Grounds MD. **Adv Exp Med Biol** 1990;280:101–4; discussion 104–6 (17 ref.)
The origin of epidermal melanocytes. Implications for the histogenesis of nevi and melanomas. Cramer SF. **Arch Pathol Lab Med** 1991 Feb;115(2):115–9 (68 ref.)
Stem cells and the elixir of life. Evans GS, et al. **Bioessays** 1991 Mar;13(3):135–8 (24 ref.)
Biology of growth factors: requirements for stem cell survival. Crosier PS, et al. **Bone Marrow Transplant** 1991; 7 Suppl 1:6–9 (38 ref.)
Extracellular factors, signalling pathways and differentiation of adipose precursor cells. Ailhaud G. **Curr Opin Cell Biol** 1990 Dec;2(6):1043–9 (6 ref.)
Cell lineage in vertebrate development. Blau HM, et al. **Curr Opin Cell Biol** 1990 Dec;2(6):981–5 (31 ref.)
Embryonic stem cells: proliferation and differentiation. Bradley A. **Curr Opin Cell Biol** 1990 Dec;2(6):1013–7 (10 ref.)
Hepatocyte differentiation and liver progenitor cells. Fausto N. **Curr Opin Cell Biol** 1990 Dec;2(6):1036–42 (11 ref.)
Transcriptional control and the integration of cell-autonomous and environmental cues during development. Karin M. **Curr Opin Cell Biol** 1990 Dec; 2(6):996–1002 (24 ref.)
Cell lineage and cell migration in the developing cerebral cortex. Walsh C, et al. **Experientia** 1990 Sep 15;46(9):940–7 (104 ref.)
Glial cell lineage in the cerebral cortex: a review and synthesis. Cameron RS, et al. **GLIA** 1991;4(2):124–37 (187 ref.)
Cell origin and identity in limb regeneration and development. Ferretti P, et al. **GLIA** 1991;4(2):214–24 (61 ref.)
Schwann cell precursors and their development. Jessen KR, et al. **GLIA** 1991;4(2):185–94 (73 ref.)
Glial cell lineages in the neural crest. Le Douarin N, et al. **GLIA** 1991;4(2):175–84 (47 ref.)

Points of controversy in the O-2A lineage: clocks and type-2 astrocytes. Noble M. **GLIA** 1991;4(2):157-64 (71 ref.)
Division of astroblasts and oligodendroblasts in postnatal rodent brain: evidence for separate astrocyte and oligodendrocyte lineages. Skoff RP, et al. **GLIA** 1991; 4(2):165-74 (45 ref.)
The complex relationship between cell division and the control of differentiation in oligodendrocyte-type-2 astrocyte progenitor cells isolated from perinatal and adult rat optic nerves. Noble M, et al.
Prog Growth Factor Res 1989;1(3):179-94 (42 ref.)
[Osteogenic stem cells of the bone marrow] Fridenshtein AIa. **Ontogenez** 1991 Mar-Apr;22(2):189-97 (23 ref.) (Eng. Abstr.) **(Rus)**
[Tissue systems with stem cells] Khrushchov NG. **Ontogenez** 1991 Mar-Apr;22(2):118-24 (23 ref.) (Eng. Abstr.) **(Rus)**
[Genetic control over the determination and proliferation of melanocyte stem cells in mammals] Koniukhov BV. **Ontogenez** 1991 Mar-Apr;22(2):167-75 (47 ref.) (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Numerous growth factors can influence in vitro megakaryocytopoiesis. Hoffman R, et al.
Yale J Biol Med 1990 Sep-Oct;63(5):411-8 (64 ref.)

METABOLISM

Immunochemical analyses of the myoblast membrane and lineage. Kaufman SJ. **Adv Exp Med Biol** 1990;280:47-54; discussion 55 (22 ref.)
Gene targeting in embryonic stem cells. Doetschman TC. **Biotechnology** 1991;16:89-101 (34 ref.)
Targeted mutagenesis in embryo-derived stem cells. Thomas K. **Biotechnology** 1991;16:45-54 (21 ref.)

PHYSIOLOGY

Regeneration in the primate uterus: the role of stem cells. Padykula HA. **Ann N Y Acad Sci** 1991;622:47-56 (24 ref.)
Teratocarcinoma stem cells. Damjanov I. **Cancer Surv** 1990; 9(2):303-19 (84 ref.)
Stem cells: attributes, cycles, spirals, pitfalls and uncertainties. Lessons for and from the crypt. Potten CS, et al. **Development** 1990 Dec;110(4):1001-20 (83 ref.)
[Hematopoietic microenvironment: cellular and extracellular matrix elements] Minguell JJ, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):177-82 (35 ref.) (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Radiosensitivity of glial progenitor cells of the perinatal and adult rat optic nerve studied by an in vitro clonogenic assay. van der Maazen RW, et al. **Radiother Oncol** 1991 Apr;20(4):258-64 (28 ref.)

TRANSPLANTATION

Issues in myoblast transfer. Brooke MH.
Adv Exp Med Biol 1990;280:231-3 (0 ref.)
The principles and practice of myoblast transfer. Karpati G. **Adv Exp Med Biol** 1990;280:69-74 (23 ref.)
Plausible structural/functional/behavioral/biochemical transformations following myoblast transfer therapy. Law PK, et al. **Adv Exp Med Biol** 1990;280:241-9; discussion 249-50 (25 ref.)
Practical aspects of myoblast implantation: investigations on two inherited myopathies in animals. Morgan JE. **Adv Exp Med Biol** 1990;280:89-94; discussion 95-6 (16 ref.)
A comparison of long-term survival of muscle precursor cell suspensions and minced muscle allografts in the non-tolerant mouse. Watt DJ. **Adv Exp Med Biol** 1990; 280:35-8; discussion 39 (17 ref.)
New developments in stem cell transplantation with special reference to the first in utero transplants in humans. Touraine JL, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:92-7 (9 ref.)

STEM CELLS, ERYTHROID see **ERYTHROID PROGENITOR CELLS**

STEM CELLS, HEMATOPOIETIC see **HEMATOPOIETIC STEM CELLS**

STEM CELLS, NEOPLASTIC see **TUMOR STEM CELLS**

STENOCARDIA see **ANGINA PECTORIS**

STENTS

Interventional treatment of hepatic arterial and venous pathology: a commentary. Rösch J, et al.
Cardiovasc Intervent Radiol 1990 Jun-Jul;13(3):183-8 (21 ref.)
Intravascular stents. General principles and status of lower-extremity arterial applications. Becker GJ. **Circulation** 1991 Feb;83(2 Suppl):I122-36 (65 ref.)
Endoscopic management of pancreatic disorders: potential risks of pancreatic prostheses. Siegel J, et al. **Endoscopy** 1991 May;23(3):177-80 (15 ref.)
Intracoronary stents: clinical and angiographic results. Popma JJ, et al. **Herz** 1990 Oct;15(5):307-18 (62 ref.)
Stenting of coronary arteries: has a modern Pandora's box been opened? Serruys PW, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):143B-154B (79 ref.)
Endoscopically inserted biliary endoprosthesis in malignant obstructive jaundice. A survey of the literature. Naggar E, et al. **Liver** 1990 Dec;10(6):321-4 (19 ref.)
Biliary endoprostheses. Plastic versus metal stents. Lammer J. **Radiol Clin North Am** 1990 Nov;28(6):1211-22 (31 ref.)
Metallic endoprostheses: boon or bust? [comment] Mueller PR. **Radiology** 1991 Jun;179(3):603-5 (23 ref.) Comment on: Radiology 1991 Jun;179(3):703-7.
New mechanical devices for treatment of coronary artery disease. Erbel R, et al. **Z Kardiol** 1990;79 Suppl 3:121-9 (63 ref.)
[Interventional angiology in the area of the thigh. Percutaneous balloon dilatation, new procedures of recanalization, stents] Teifke A, et al. **Fortschr Med** 1991 Mar 30;109(9):204-7 (17 ref.) (Eng. Abstr.) **(Ger)**
[4 years' experience with a balloon-expandable endoprosthesis. Experimental and clinical application] Kauffmann GW, et al. **Radiologe** 1991 Apr;31(4):202-9 (27 ref.) (Eng. Abstr.) **(Ger)**
[Current state of interventional measures in cardiology] Klein W, et al. **Wien Med Wochenschr** 1991;141(3):41-3 (24 ref.) (Eng. Abstr.) **(Ger)**

STEREOISOMERS

Chirality and its importance in drug development. Campbell DB, et al. **Biochem Soc Trans** 1991 Apr;19(2):472-5 (23 ref.)
Chiral drug metabolism: a perspective. Kaye B. **Biochem Soc Trans** 1991 Apr;19(2):456-9 (15 ref.)
A clinical pharmacologist's perspective. Tucker GT. **Biochem Soc Trans** 1991 Apr;19(2):460-2 (20 ref.)
Clinical pharmacology through the looking glass: reflections on the racemate vs enantiomer debate. Lennard MS. **Br J Clin Pharmacol** 1991 Jun;31(6):623-5 (31 ref.)
Importance of enantiomeric purity and its control by thin-layer chromatography. Martens J, et al. **J Pharm Biomed Anal** 1990;8(3):259-69 (91 ref.)

STEREOTAXIC TECHNIQUES

see related
BRAIN MAPPING

Stereotactic neurosurgery. Galloway RL, et al. **Crit Rev Biomed Eng** 1990;18(3):181-205 (120 ref.)
Grafts and growth factors in CNS. Basic science with clinical promise. Olson L. **Stereotact Funct Neurosurg** 1990; 54-55:250-67 (51 ref.)
[Stereotaxic radiosurgery:methods and indications in the treatment of cerebral arteriovenous malformations] Blond S, et al. **Agressologie** 1990 May;31(5):277-9 (10 ref.) (Eng. Abstr.) **(Fre)**
[MRI, geometric distortion of the image and stereotaxy] Derosier C, et al. **J Radiol** 1991 Jun-Jul;72(6-7):349-53 (10 ref.) (Eng. Abstr.) **(Fre)**
[Cerebral nocardiosis cured by repeated stereotaxic punctures and antibiotic therapy] Baylot D, et al. **Presse Med** 1991 Apr 27;20(16):744-6 (10 ref.) (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

Radiosurgery: a nursing perspective. Krause EA, et al. **J Neurosci Nurs** 1991 Feb;23(1):24-8 (7 ref.)
The gamma knife: implications for nursing practice and patient education. Neatherlin JS, et al. **J Neurosci Nurs** 1991 Feb;23(1):71-4 (12 ref.)

STEREOTYPED BEHAVIOR

Stereotypic or obsessive-compulsive disorders in dogs and cats. Luescher UA, et al.
Vet Clin North Am Small Anim Pract 1991 Mar; 21(2):401-13 (55 ref.)

PHYSIOLOGY

Head banging in young children. Vinson RP, et al.
Am Fam Physician 1991 May;43(5):1625-8 (27 ref.)

STEREOTYPING

Pornography and/as degradation. Jarvie I.
Int J Law Psychiatry 1991;14(1-2):13-27 (35 ref.)
Stigma, AIDS and quality of nursing care: state of the science. Siminoff LA, et al. **J Adv Nurs** 1991 Mar; 16(3):262-9 (70 ref.)
Ageism in cancer care of the elderly. Derby SE. **Oncol Nurs Forum** 1991 Jul;18(5):921-6 (49 ref.)

STERIGMATOCYSTIN

TOXICITY

Biological reactive intermediates of bisfuranoid mycotoxins. Hsieh DP. **J Toxicol Sci** 1990 Dec;15 Suppl 4:152-8 (24 ref.)

STERILITY see **INFERTILITY**

STERILITY, FEMALE see **INFERTILITY, FEMALE**

STERILITY, MALE see **INFERTILITY, MALE**

STERILIZATION

INSTRUMENTATION

[Suitability of different procedures for the sterilization of microsurgical instruments. A review of current and future procedures] Draeger J, et al.
Klin Monatsbl Augenheilkd 1990 Aug;197(2):133-7 (6 ref.) (Eng. Abstr.) **(Ger)**

METHODS

Sterilization. Disciplined microbial control. Miller CH. **Dent Clin North Am** 1991 Apr;35(2):339-55 (37 ref.)
Cleaning, disinfection, and sterilization of gastrointestinal endoscopes: approaches in the office. Tremain SC, et al. **J Fam Pract** 1991 Mar;32(3):300-5 (26 ref.)

STERILIZATION, SEXUAL

see related
PEST CONTROL, BIOLOGICAL

Experimental methods of contraception. Grubb GS. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):491-5 (27 ref.)

STERILIZATION, TUBAL

Sterilization. Limpaphayom K. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):501-9 (23 ref.)

STERNOCLAVICULAR JOINT

Sternoclavicular septic arthritis due to haemophilus influenzae. Koroscil TM, et al. **South Med J** 1990 Dec; 83(12):1469-71 (3 ref.)

PHYSIOPATHOLOGY

[Headache within the scope of the Brügger sternal syndrome] Albustin H, et al. **Z Arztl Fortbild (Jena)** 1991 Jan 25; 85(1-2):55-6 (3 ref.) **(Ger)**

RADIOGRAPHY

[Recurrent dislocation of the sternoclavicular joint] Szabó G. **Magy Traumatol Orthop Helyreallito Sebesz** 1991; 34(2):103-6 (11 ref.) (Eng. Abstr.) **(Hun)**

STERNOCOSTOCLAVICULAR HYPEROSTOSIS see **HYPEROSTOSIS, STERNOCOSTOCLAVICULAR**

STERNUM

[Sternal site of sarcoidosis] Kheiralla JC, et al. **Rev Med Interne** 1990 May-Jun;11(3):229-30 (6 ref.) (Eng. Abstr.) **(Fre)**
[Aspergillus osteomyelitis of the sternum. Description of a case and review of the literature] Ollé JE, et al. **Enferm Infecc Microbiol Clin** 1990 Feb;8(2):94-6 (37 ref.) (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Early postoperative sternal approximation after ITA harvesting: computed tomographic evaluation. Vanleeuw P, et al. **Ann Thorac Surg** 1991 Sep;52(3):518-22 (16 ref.)

SURGERY

Squamous cell carcinoma arising in a sternotomy scar. Korula R, et al. **Ann Thorac Surg** 1991 Apr;51(4):667-9 (14 ref.)
Early postoperative sternal approximation after ITA harvesting: computed tomographic evaluation. Vanleeuw P, et al. **Ann Thorac Surg** 1991 Sep;52(3):518-22 (16 ref.)
Serious infectious complications of midsternotomy: a review of bacteriology and antimicrobial therapy. Siegman-Igra Y, et al. **Scand J Infect Dis** 1990;22(6):633-43 (32 ref.)
[Sternal osteitis and mediastinitis after coronary artery bypass graft surgery] Detroz B, et al. **Ann Chir** 1991;45(2):128-35 (35 ref.) (Eng. Abstr.) **(Fre)**

STEROID 11-HYDROXYLASE

METABOLISM

Two forms of cytochrome P-450(11 beta) in rat zona glomerulosa cells: a short review. Müller J, et al. **Endocr Res** 1991;17(1-2):165-84 (53 ref.)

STEROID 17-HYDROXYLASE

DEFICIENCY

Clinical, biochemical and molecular aspects of 17-hydroxylase deficiency. Winter JS. **Endocr Res** 1991; 17(1-2):53-62 (12 ref.)
17 alpha-hydroxylase/17,20-lyase deficiency: from clinical investigation to molecular definition. Yanase T, et al. **Endocr Rev** 1991 Feb;12(1):91-108 (189 ref.)
17 alpha-hydroxylation deficiency. Biglieri EG, et al. **Endocrinol Metab Clin North Am** 1991 Jun;20(2):257-68 (28 ref.)

STEROID 21-HYDROXYLASE

DEFICIENCY

The management of classical congenital adrenal hyperplasia due to 21-hydroxylase deficiency. Brook CG. **Clin Endocrinol (Oxf)** 1990 Oct;33(4):559-67 (25 ref.)

Congenital adrenal hyperplasia caused by 21-hydroxylase deficiency. Its molecular basis and its remaining therapeutic problems. Migeon CJ, et al. **Endocrinol Metab Clin North Am** 1991 Jun;20(2):277-96 (53 ref.)

Congenital adrenal hyperplasia due to 21-hydroxylase deficiency. Cutler GB Jr, et al. **N Engl J Med** 1990 Dec 27;323(26):1806-13 (53 ref.)

GENETICS

[Adrenogenital syndrome. II. Molecular biology] Koppens PF, et al. **Tijdschr Kindergeneeskd** 1991 Feb;59(1):1-8 (33 ref.) (Eng. Abstr.) **(Dut)**

[Gene heterogeneity in adrenal 21-hydroxylase] Morel Y. **Presse Med** 1991 May 25;20(20):945-9 (11 ref.) (Eng. Abstr.) **(Fre)**

STEROID HYDROXYLASES

ANTAGONISTS & INHIBITORS

Inhibition of oral contraceptive steroid-metabolizing enzymes by steroids and drugs. Guengerich FP. **Am J Obstet Gynecol** 1990 Dec;163(6 Pt 2):2159-63 (36 ref.)

[Drug interactions with quinolones. Modification of hepatic monooxygenases as the cause] Schulz-Schalge T, et al. **Med Monatsschr Pharm** 1990 Dec;13(12):372-81 (32 ref.) **(Ger)**

PHYSIOLOGY

Regulation of steroid hydroxylases in normal and SV40 T antigen-transfected bovine adrenocortical cells in long-term culture. Hornsby PJ. **Endocr Res** 1991; 17(1-2):109-34 (35 ref.)

[Cytochrome P-450 in human fetal liver. Properties of P-450 HFLa,a form of cytochrome P-450 in human fetal livers] Kitada M. **Yakugaku Zasshi** 1991 Mar;111(3):158-69 (38 ref.) (Eng. Abstr.) **(Jpn)**

STEROID 11-MONOOXYGENASE see **STEROID 11-HYDROXYLASE**

STEROID 17-MONOOXYGENASE see **STEROID 17-HYDROXYLASE**

STEROID 21-MONOOXYGENASE see **STEROID 21-HYDROXYLASE**

STEROID MONOOXYGENASES see **STEROID HYDROXYLASES**

STEROID RECEPTORS see **RECEPTORS, STEROID**

STEROIDAL ANTI-INFLAMMATORY AGENTS see **ANTI-INFLAMMATORY AGENTS, STEROIDAL**

STEROIDS

ADMINISTRATION & DOSAGE

[Epidural steroid injection for low back pain] Ho ST, et al. **Ma Tsui Hsueh Tsa Chi** 1990 Jun;28(2):209-14 (40 ref.) **(Chi)**

ADVERSE EFFECTS

The risk of upper gastrointestinal haemorrhage during steroidal and non-steroidal anti-inflammatory therapy. Rooney PJ, et al. **Baillieres Clin Rheumatol** 1991 Aug; 4(2):207-17 (116 ref.)

Growth retardation in juvenile chronic arthritis patients treated with steroids. Falcini F, et al. **Clin Exp Rheumatol** 1991 Jan-Feb;9 Suppl 6:37-40 (8 ref.)

Steroids and biologic agents in the intensive care unit. Allen RP, et al. **Crit Care Clin** 1991 Jul;7(3):695-711 (95 ref.)

ANALYSIS

Comparison of merits of steroid radioimmunoassays using iodinated or tritiated radioligands. Cuilleron CY, et al. **Int J Rad Appl Instrum [B]** 1990;17(7):661-6 (71 ref.)

Quantification of steroid conjugates using fast atom bombardment mass spectrometry. Gaskell SJ. **Steroids** 1990 Oct;55(10):458-62 (21 ref.)

BIOSYNTHESIS

Steroidogenesis and ionic permeability in adrenal glomerulosa cells. Marusic ET, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):171-6 (20 ref.)

Placental steroid hormones. Conley AJ, et al. **Baillieres Clin Endocrinol Metab** 1990 Jun;4(2):249-72 (140 ref.)

Distinctive properties of adrenal cortex mitochondria. Orme-Johnson NR. **Biochim Biophys Acta** 1990 Dec 6; 1020(3):213-31 (146 ref.)

The biosynthesis of triterpenoids, steroids, and carotenoids. Harrison DM. **Nat Prod Rep** 1990 Dec;7(6):459-84 (235 ref.)

BLOOD

[Interaction between beta-endorphin, steroids and peptide hormones in fibrocystic lesions of the female breast] Schurz B. **Wien Klin Wochenschr Suppl** 1991;187:3-26 (163 ref.) (Eng. Abstr.) **(Ger)**

CHEMISTRY

Synthetic procedures fo. the preparation of deuterium-labeled analogs of naturally occurring steroids. Wudy SA. **Steroids** 1990 Oct;55(10):463-71 (41 ref.)

Synthesis of 13C-labeled steroid hormones. Zomer G, et al. **Steroids** 1990 Oct;55(10):440-2 (10 ref.)

IMMUNOLOGY

Locally active steroid hormones may facilitate compartmentalization of immunity by regulating the types of lymphokines produced by helper T cells. Daynes RA, et al. **Res Immunol** 1991 Jan;142(1):40-5 (15 ref.)

METABOLISM

Steroid binding at sigma receptors: CNS and immunological implications. Su TP, et al. **Ciba Found Symp** 1990; 153:107-13; discussion 113-6 (7 ref.)

Aggressive behavior in birds: an experimental model for studies of brain-steroid interactions. Schlinger BA, et al. **Comp Biochem Physiol [A]** 1990;97(3):307-16 (79 ref.)

Heterodox notions on pathways of steroidogenesis. Lieberman S, et al. **Endocr Rev** 1990 Nov;11(4):469-93 (142 ref.)

Synthesis and metabolism of vertebrate-type steroids by tissues of insects: a critical evaluation. Swevers L, et al. **Experientia** 1991 Jul 15;47(7):687-98 (111 ref.)

The significance of steroid metabolism in human cancer. Miller WR, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):317-25 (56 ref.)

Chronobiology in laboratory medicine: principles and clinical applications illustrated from measurements of neutral steroids in saliva. Walker RF, et al. **Prog Clin Biol Res** 1990;341A:105-17 (36 ref.)

Potential value of salivary steroids in chronoepidemiological and endocrine-related studies. Wilson DW, et al. **Prog Clin Biol Res** 1990;341A:119-30 (45 ref.)

PHARMACOLOGY

Steroids and neuronal destruction or stabilization. Hall ED. **Ciba Found Symp** 1990;153:206-14; discussion 214-9 (25 ref.)

Steroid regulation of the GABAA receptor: ligand binding, chloride transport and behaviour. Majewska MD. **Ciba Found Symp** 1990;153:83-97; discussion 97-106 (37 ref.)

The molecular features of membrane perturbation by anaesthetic steroids: a study using differential scanning calorimetry, small angle X-ray diffraction and solid state 2H NMR. Makriyannis A, et al. **Ciba Found Symp** 1990; 153:172-84; discussion 185-9 (19 ref.)

Impact of NSAID and steroids on cartilage destruction in murine antigen induced arthritis. van den Berg WB. **J Rheumatol Suppl** 1991 Feb;27:122-3 (12 ref.)

Biochemical and pharmacological development of steroidal inhibitors of aromatase. Brueggemeier RW, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):379-85 (26 ref.)

Anticonvulsant steroids and the GABA/benzodiazepine receptor-chloride ionophore complex. Belelli D, et al. **Neurosci Biobehav Rev** 1990 Fall;14(3):315-22 (66 ref.)

Rapid membrane effects of steroid hormones: an emerging concept in neuroendocrinology. Schumacher M. **Trends Neurosci** 1990 Sep;13(9):359-62 (48 ref.)

Non-genomic and genomic effects of steroids on neural activity. McEwen BS. **Trends Pharmacol Sci** 1991 Apr; 12(4):141-7 (37 ref.)

PHYSIOLOGY

Effects of steroid hormones on the serotonergic system. Biegon A. **Ann N Y Acad Sci** 1990;600:427-32; discussion 432-4 (43 ref.)

Is N-methyl-N'-nitro-N-nitrosoguanidine a hormonal carcinogen? (Review). Kodama M, et al. **Anticancer Res** 1991 Mar-Apr;11(2):941-6 (38 ref.)

Steroid hormone regulation of cultured breast cancer cells. Darbre PD, et al. **Cancer Treat Res** 1988;40:307-41 (119 ref.)

Steroids, growth factors, and cell cycle controls in breast cancer. Musgrove EA, et al. **Cancer Treat Res** 1991; 53:305-31 (167 ref.)

Steroids in relation to epilepsy and anaesthesia. Bäckström T, et al. **Ciba Found Symp** 1990;153:225-30; discussion 230-9 (24 ref.)

Steroid effects on neuronal activity: when is the genome involved? McEwen BS, et al. **Ciba Found Symp** 1990; 153:3-12; discussion 12-21 (29 ref.)

Steroids and steroid receptors in growth control of cultured breast cancer cells. Darbre PD. **Int J Cancer Suppl** 1990; 5:67-75 (118 ref.)

Regulation of transforming growth factor-beta subtypes by members of the steroid hormone superfamily. Wakefield L, et al. **J Cell Sci Suppl** 1990;13:139-48 (34 ref.)

Neurosteroids: a new brain function? Baulieu EE, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):395-403 (32 ref.)

Regulation of proliferation, invasion and growth factor synthesis in breast cancer by steroids. Dickson RB, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):305-16 (156 ref.)

Steroid hormones as mediators of neural plasticity. McEwen BS, et al. **J Steroid Biochem Mol Biol** 1991 Aug; 39(2):223-32 (64 ref.)

Behavioural physiology of serotonergic and steroid-like anxiolytics as antistress drugs. Bohus B, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):529-34 (71 ref.)

[Cancer and steroid hormones] Matsumoto K. **Nippon Seikeigeka Gakkai Zasshi** 1990 Nov;64(11):1127-33 (14 ref.) **(Jpn)**

THERAPEUTIC USE

Medical treatment of mild endometriosis associated with infertility. Candiani GB, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 Feb 25;38(3):169-80 (101 ref.)

Hashimoto's encephalopathy: a steroid-responsive disorder associated with high anti-thyroid antibody titers--report of 5 cases. Shaw PJ, et al. **Neurology** 1991 Feb;41(2 (Pt 1)):228-33 (28 ref.)

[Steroid therapy in multiple sclerosis] Beer S, et al. **Schweiz Med Wochenschr** 1991 Jun 29;121(26):961-9 (85 ref.) (Eng. Abstr.) **(Ger)**

URINE

[The analysis of urinary steroids using capillary gas-liquid chromatography] Shaposhnikov AV, et al. **Lab Delo** 1990; (9):18-23 (13 ref.) (Eng. Abstr.) **(Rus)**

STEROIDS, ANABOLIC see **ANABOLIC STEROIDS**

STEROLS

BIOSYNTHESIS

Inhibitors of fungal sterol synthesis: squalene-epoxidation and C-14-demethylation. Berg D, et al. **J Enzym Inhib** 1989; 3(1):1-11 (52 ref.)

METABOLISM

Cerebrotendinous xanthomatosis: clinical and biochemical evaluation of eight patients and review of the literature. Kuriyama M, et al. **J Neurol Sci** 1991 Apr;102(2):225-32 (82 ref.)

Intracellular trafficking of sterols. Billheimer JT, et al. **Subcell Biochem** 1990;16:301-31 (133 ref.)

PHARMACOLOGY

Replacement of vertebrate serum with lipids and other factors in the culture of invertebrate cells, tissues, parasites, and pathogens. Goodwin RH. **In Vitro Cell Dev Biol** 1991 Jun; 27A(6):470-8 (216 ref.)

STEVENS-JOHNSON SYNDROME

ETIOLOGY

Mycoplasma pneumoniae infections and Stevens-Johnson syndrome. Report of eight cases and review of the literature. Levy M, et al. **Clin Pediatr (Phila)** 1991 Jan; 30(1):42-9 (59 ref.)

STICKLEBACKS see **FISHES**

STIFLE

ANATOMY & HISTOLOGY

Principles of magnetic resonance imaging and application to the stifle joint in dogs. Widmer WR, et al. **J Am Vet Med Assoc** 1991 Jun 1;198(11):1914-22 (43 ref.)

STIGMATIZATION see **CHRISTIANITY**

STILBESTROL see **DIETHYLSTILBESTROL**

STILLBIRTH see **FETAL DEATH**

STILL'S DISEASE see **ARTHRITIS, JUVENILE RHEUMATOID**

STIMULATION, ACOUSTIC see **ACOUSTIC STIMULATION**

STIMULATION, CHEMICAL

see related
ENZYME INDUCTION

STIMULATION, ELECTRIC see **ELECTRIC STIMULATION**

STIMULATION, PHOTIC see **PHOTIC STIMULATION**

STIMULATION, PHYSICAL see **PHYSICAL STIMULATION**

STINGS see **BITES AND STINGS**

STIPPLED EPIPHYSES see **CHONDRODYSPLASIA PUNCTATA**

STLV-III see **SIV**

STOCKINGS, COMPRESSION see **BANDAGES**

STOCKINGS, ELASTIC see **BANDAGES**

STOICISM see **PHILOSOPHY**

STOMACH

see related
GASTRECTOMY

Button battery ingestion: a review. Thompson N, et al. **Adverse Drug React Acute Poisoning Rev** 1990 Autumn; 9(3):157–80 (88 ref.)

Removal of foreign bodies from the upper gastrointestinal tract of children. Towbin RB. **Curr Opin Radiol** 1990 Dec; 2(6):904–8 (5 ref.)

BLOOD SUPPLY

Ruptured gastric artery aneurysm complicating pneumococcal sepsis: a case report and review. Costantino MJ. **J Med Assoc Ga** 1990 Sep;79(9):677–8 (17 ref.)

CYTOLOGY

The neuroendocrine system of the gut--an update. Sundler F, et al. **Acta Oncol** 1991;30(4):419–27 (65 ref.)

DRUG EFFECTS

Is there a rational basis for the different spectra of adverse effects of nonsteroidal anti-inflammatory drugs (NSAIDs)? Brune K. **Drugs** 1990;40 Suppl 5:12–5 (22 ref.)

ENZYMOLOGY

Gastric lipase and digestion of human milk fat. **Nutr Rev** 1990 Oct;48(10):385–7 (8 ref.)

INJURIES

Gastric perforation as a complication of splenectomy: report of five cases and review of the literature. McClenathan JH. **Can J Surg** 1991 Apr;34(2):175–8 (16 ref.)

MICROBIOLOGY

[The role of Campylobacter pylori in lesions of the upper segments of the digestive tract in children] Shcherbakov PL. **Pediatriia** 1990;(8):99–105 (98 ref.) **(Rus)**

PHYSIOLOGY

[Comparison of methods: gastro-duodenal manometry and study of gastric emptying] Stanghellini V, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):125–30 (31 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

[Esophago-gastro-intestinal manometry: study methods and potential clinical applications] Pandolfo N, et al. **Minerva Chir** 1991 Apr 15;46(7 Suppl):63–70 (26 ref.) (Eng. Abstr.) **(Ita)**

SURGERY

Colonic necrosis or fistula following pancreatitis or gastric surgery. Wille-Jørgensen P, et al. **Eur J Surg** 1991 Feb; 157(2):137–9 (11 ref.)

Carcinoma of the gastric stump: risks and pathogenesis. Northfield TC, et al. **Gut** 1990 Nov;31(11):1217–9 (42 ref.)

[Diarrhea after gastric surgery] Hurtado Andrade H. **Rev Gastroenterol Mex** 1990 Apr-Jun;55(2):101–4 (25 ref.) **(Spa)**

[Diarrhea after gastric surgery] Hurtado Andrade H. **Rev Gastroenterol Mex** 1990 Apr-Jun;55(2):101–4 (25 ref.) **(Spa)**

ULTRASONOGRAPHY

[Endoscopic ultrasound scanning of the upper gastrointestinal canal] Vilmann P, et al. **Ugeskr Laeger** 1991 Feb 4; 153(6):414–7 (25 ref.) (Eng. Abstr.) **(Dan)**

STOMACH CONTENTS see **GASTROINTESTINAL CONTENTS**

STOMACH DILATATION

VETERINARY

[Stomach dilatation-volvulus in the dog: current viewpoint and retrospective study in 160 patients] van Sluijs FJ. **Tijdschr Diergeneeskd** 1991 Feb 1;116(3):112–21 (38 ref.) (Eng. Abstr.) **(Dut)**

STOMACH DISEASES

Advances in etiology, diagnosis, and treatment of gastric disorders. Loffeld RJ. **Compr Ther** 1991 Apr;17(4):7–14 (7 ref.)

Helicobacter pylori: its role in gastric disease. Vaira D, et al. **Dig Dis** 1990;8(6):322–36 (89 ref.)

BLOOD

[Serum pepsinogen I in gastroduodenal pathology] Perasso A, et al. **Recenti Prog Med** 1991 Feb;82(2):86–90 (34 ref.) (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Lipoxygenase products in gastric damage and protection. Peskar BM. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:753–60 (23 ref.)

The gastropulmonary route of infection--fact or fiction? Tryba M. **Am J Med** 1991 Aug 8;91(2A):135S–146S (65 ref.)

Nonsteroidal anti-inflammatory gastropathy: from theory to practice. Balaa MA. **Am J Med Sci** 1991 Apr;301(4):272–6 (71 ref.)

The management of NSAID gastropathy. Howard JM, et al. **Baillieres Clin Rheumatol** 1991 Aug;4(2):269–91 (96 ref.)

COMPLICATIONS

Gastric sarcoidosis [see comments] Teichman RF, et al. **J R Soc Med** 1991 Jan;84(1):50–1 (13 ref.) Comment in: J R Soc Med 1991 May;84(5):322.

DIAGNOSIS

Imaging of the stomach and duodenum. Bartram CI. **Curr Opin Radiol** 1991 Jun;3(3):407–13 (24 ref.)

[The diagnosis in motility disorders of the stomach and small intestine] Layer P, et al. **Dtsch Med Wochenschr** 1991 Feb 15;116(7):261–3 (14 ref.) **(Ger)**

ETIOLOGY

The clinical significance and pathophysiology of stress-related gastric mucosal hemorrhage. Bresalier RS. **J Clin Gastroenterol** 1991;13 Suppl 2:S35–43 (100 ref.)

A rare cause of parastomal hernia: stomach herniation. McAllister JD, et al. **South Med J** 1991 Jul;84(7):911–2 (4 ref.)

[Gastric modifications in cirrhosis] Payen JL, et al. **Gastroenterol Clin Biol** 1991;15(4):285–95 (150 ref.) **(Fre)**

MICROBIOLOGY

[Helicobacter pylori and gastroduodenal pathology. First Part: Pathophysiology and diagnostic methods] Sobhani I, et al. **Gastroenterol Clin Biol** 1991;15(5):405–11 (86 ref.) **(Fre)**

[Campylobacter pylori and its role in the pathogenesis of selected diseases of the stomach and duodenum] Matysiak-Budnik T. **Pol Tyg Lek** 1990 Feb 19–26; 45(8–9):189–92 (26 ref.) **(Pol)**

[Helicobacter pylori: a new pathogen to be considered in infancy] Herrera Montes I, et al. **An Esp Pediatr** 1991 May; 34(5):373–5 (30 ref.) (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Modern techniques in the diagnosis and treatment of gastrointestinal and biliary tree parasites. el Sheikh Mohamed AR, et al. **Hepatogastroenterology** 1991 Apr; 38(2):180–8 (67 ref.)

PREVENTION & CONTROL

Lipoxygenase products in gastric damage and protection. Peskar BM. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:753–60 (23 ref.)

[New knowledge about the stomach and nutrition] Wolff G. **Z Arztl Fortbild (Jena)** 1991 Apr 10;85(7):287–90 (36 ref.) **(Ger)**

SURGERY

Risk of gastric cancer after gastric surgery for benign disorders. Stalnikowicz R, et al. **Arch Intern Med** 1990 Oct; 150(10):2022–6 (63 ref.)

THERAPY

Therapeutic upper gastrointestinal endoscopy. Past, present, and future. Lambert R. **Scand J Gastroenterol Suppl** 1990; 175:63–76 (58 ref.)

VETERINARY

[The treatment of left abomasal displacement in cattle] van der Velden MA. **Tijdschr Diergeneeskd** 1991 May 1; 116(9):445–53 (45 ref.) (Eng. Abstr.) **(Dut)**

STOMACH NEOPLASMS

Cavernous hemangioma of the stomach: a case report and review of the literature. Yamaguchi K, et al. **Gastroenterol Jpn** 1990 Aug;25(4):489–93 (18 ref.)

Malignant tumours of the stomach. Cuschieri A. **Recenti Prog Med** 1990 Jun;81(6):374–86 (53 ref.)

[The heterotopic pancreas in children. Apropos of 4 new cases] Anagnostopoulos D, et al. **Chir Pediatr** 1990; 31(3):164–6 (32 ref.) (Eng. Abstr.) **(Fre)**

[Visceral hemangiopericytoma: report of a case with gastric localization] Bellisi M, et al. **G Chir** 1988 Feb;9(2):100–2 (13 ref.) (Eng. Abstr.) **(Ita)**

[A case report of multiple lipomas of the alimentary tract and gall bladder combined with early gastric cancer] Tokoro Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Feb;88(2):175–9 (20 ref.) **(Jpn)**

[Primary gastric lymphoma: incidence, prognostic factors and effect of treatment with chemotherapy] Lobato-Mendizábal E, et al. **Sangre (Barc)** 1990 Aug; 35(4):257–62 (22 ref.) (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Neuroendocrine cell hyperplasia and neuroendocrine carcinoma of the rodent fundic stomach. Poynter D, et al. **Mutat Res** 1991 Jun;248(2):303–19 (76 ref.)

COMPLICATIONS

Early gastric cancer arising from localized Ménétrier's disease. Hsu CT, et al. **Gastroenterol Jpn** 1991 Apr; 26(2):213–7 (24 ref.)

Metastatic ossified gastric carcinoid with hypergastrinemia associated with gastric and thyroid autoantibodies. Linz AJ, et al. **J Am Osteopath Assoc** 1990 Dec;90(12):1092, 1095–9 (23 ref.)

Evans' syndrome associated with gastric plasmacytoma: case report and a review of the literature. Yonekura S, et al. **Jpn J Med** 1990 Sep-Oct;29(5):512–5 (10 ref.)

Plummer-Vinson syndrome complicated by gastric cancer: a case report. Nagai T, et al. **Keio J Med** 1990 Jun; 39(2):106–11 (34 ref.)

[A case of adenocarcinoma of the stomach associated with SIADH] Saitoh S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jun;88(6):1349–53 (14 ref.) **(Jpn)**

[Double gastric neoplasia (lymphoma/adenocarcinoma) associated with alpha-1 antitrypsin deficiency. Presentation of a case and review of the literature] Hernández Batuecas I, et al. **An Med Interna** 1989 Jan;6(1):29–32 (22 ref.) (Eng. Abstr.) **(Spa)**

[Gastric carcinoid polyp and type A atrophic gastritis] Vareal E, et al. **An Med Interna** 1989 May;6(5):249–51 (13 ref.) (Eng. Abstr.) **(Spa)**

[Gastric lipoma: an infrequent cause of upper digestive hemorrhage] Pérez Cabañas I, et al. **Rev Esp Enferm Dig** 1990 Sep;78(3):163–5 (21 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Early indicators of potential neoplasia produced in the rat forestomach by non-genotoxic agents: the importance of induced cellular proliferation. Clayson DB, et al. **Mutat Res** 1991 Jun;248(2):321–31 (49 ref.)

[Molecular diagnosis of gastric cancer] Yasui W, et al. **Gan To Kagaku Ryoho** 1991 Jan;18(1):7–13 (30 ref.) (Eng. Abstr.) **(Jpn)**

[Current outlook on improving the detection of stomach cancer (review of the literature)] Portnoĭ LM, et al. **Vestn Rentgenol Radiol** 1991 Jan-Feb;(1):57–60 (60 ref.) **(Rus)**

[Gastric non-Hodgkin's lymphoma and adenocarcinoma (letter)] García Girón C, et al. **An Med Interna** 1989 Dec; 6(12):656–7 (9 ref.) **(Spa)**

[Gastric adenocarcinoma following the treatment of a gastric non-Hodgkin's lymphoma] García-Girón C, et al. **Med Clin (Barc)** 1990 Nov 24;95(18):698–701 (37 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Current strategies in the management of locoregional and metastatic gastric carcinoma. Ajani JA, et al. **Cancer** 1991 Jan 1;67(1 Suppl):260–5 (35 ref.)

Upper gastrointestinal tumors. Ogawa M, et al. **Cancer Chemother Biol Response Modif** 1990;11:453–9 (25 ref.)

Cisplatin therapy for adenocarcinoma of the stomach. Leichman L, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):25–33 (47 ref.)

[Modern therapeutic strategies in stomach cancer] Wilke H, et al. **Z Gastroenterol Verh** 1991 Mar;26:217–8 (9 ref.) **(Ger)**

[Experience with cytostatic therapy of stomach cancer] Kuklis B, et al. **Orv Hetil** 1991 Aug 4;132(31):1691–4 (29 ref.) (Eng. Abstr.) **(Hun)**

[Dose intensity in cancer chemotherapy in gastric cancer] Kumai K, et al. **Gan To Kagaku Ryoho** 1990 Oct; 17(10):2013–7 (25 ref.) (Eng. Abstr.) **(Jpn)**

[Issues of adjuvant chemotherapy in gastric cancer: its clinical significance] Nakajima T. **Gan To Kagaku Ryoho** 1991 May; 18(6):952–7 (21 ref.) (Eng. Abstr.) **(Jpn)**

EPIDEMIOLOGY

Gastric and colorectal cancer in the tropical part of Africa (a review). Bálint GA. **Acta Med Hung** 1990;47(1–2):91–8 (62 ref.)

Risk of gastric cancer after gastric surgery for benign

disorders. Stalnikowicz R, et al. **Arch Intern Med** 1990 Oct; 150(10):2022–6 (63 ref.)

Epidemiological research in stomach cancer: progress over the last ten years [editorial] [published erratum appears in J Cancer Res Clin Oncol 1991;117(3):273] Boeing H. **J Cancer Res Clin Oncol** 1991;117(2):133–43 (93 ref.)

[Chronic atrophic gastritis and the risk of cancer] Gabrielli F, et al. **Minerva Chir** 1990 Oct 15;45(19):1205–16 (69 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Gastric juice ascorbic acid: effects of disease and implications for gastric carcinogenesis. Schorah CJ, et al. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):287S–293S (17 ref.)

Proposed mechanism of induction of gastric carcinoids: the gastrin hypothesis. Håkanson R, et al. **Eur J Clin Invest** 1990 Oct;20 Suppl 1:S65–71 (54 ref.)

Carcinoma of the gastric stump: risks and pathogenesis. Northfield TC, et al. **Gut** 1990 Nov;31(11):1217–9 (42 ref.)

The etiology of gastric cancer. Forman D. **IARC Sci Publ** 1991;(105):22–32 (45 ref.)

Gastric carcinogenesis: diet as a causative factor. Sugimura T, et al. **Med Oncol Tumor Pharmacother** 1990;7(2–3):87–92 (56 ref.)

GENETICS

Genetic alterations in human gastric cancer. Hirohashi S, et al. **Cancer Cells** 1991 Feb;3(2):49–52 (35 ref.)

METABOLISM

[A case of colony stimulating factor (CSF) producing gastric carcinoma] Saeki T, et al. **Gan No Rinsho** 1990 Nov; 36(14):2469–74 (13 ref.) (Eng. Abstr.) **(Jpn)**

[The characters of AFP-producing early gastric cancer] Chang YC, et al. **Nippon Geka Gakkai Zasshi** 1990 Oct; 91(10):1574–80 (18 ref.) (Eng. Abstr.) **(Jpn)**

[Dynamics of morphological and biochemical changes in the gastric mucosa in rats during tumor induction] Vol'fson NI, et al. **Vopr Onkol** 1990;36(11):1287–92 (52 ref.) **(Rus)**

MICROBIOLOGY

[Helicobacter pylori infection: a facilitator of stomach cancer?] Cooreman MP, et al. **Z Gastroenterol Verh** 1991 Mar;26:284–6 (30 ref.) **(Ger)**

MORTALITY

Improving survival in gastric cancer: review of operative mortality in English language publications from 1970. Macintyre IM, et al. **Br J Surg** 1991 Jul;78(7):771–6 (108 ref.)

[Gastric carcinoma: results of surgical treatment] Salvini P, et al. **G Chir** 1988 Mar–Apr;9(3–4):203–9 (34 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

Primary alveolar soft-part sarcoma of stomach. Yagihashi S, et al. **Am J Surg Pathol** 1991 Apr;15(4):399–406 (50 ref.)

Mixed (composite) glandular–endocrine cell carcinoma of the stomach. Report of a case and review of literature. Yang GC, et al. **Am J Surg Pathol** 1991 Jun;15(6):592–8 (24 ref.)

Carcinoma in hyperplastic polyps of the stomach. An underestimated possibility. Case reports. Orlowska J, et al. **APMIS** 1991 May;99(5):398–404 (21 ref.)

Growth factors in progression of human esophageal and gastric carcinomas. Yoshida K, et al. **Exp Pathol** 1990; 40(4):291–300 (72 ref.)

Vulvar leiomyomatosis in a patient with esophagogastric leiomyomatosis: review of the syndrome. Faber K, et al. **Gynecol Oncol** 1991 Apr;41(1):92–4 (10 ref.)

Depressed adenoma of the stomach. Conceptual review and study of five cases. Coma-del-Corral MJ, et al. **J Clin Gastroenterol** 1991 Jun;13(3):353–7 (21 ref.)

Gastric leiomyoblastoma in childhood. Hamazoe R, et al. **J Pediatr Surg** 1991 Feb;26(2):225–7 (18 ref.)

[Leiomyoblastoma of the stomach. A clinical contribution and review of the literature] Di Cataldo A, et al. **G Chir** 1988 Mar–Apr;9(3–4):225–8 (14 ref.) (Eng. Abstr.) **(Ita)**

[Possible correlations between histopathologic morphology and prognosis in gastric carcinoma] Vitale M, et al. **Minerva Med** 1990 Nov;81(11):801–5 (27 ref.) (Eng. Abstr.) **(Ita)**

[Anatomo-clinical considerations on early gastric cancer] Vitale M, et al. **Minerva Med** 1990 Oct;81(10):717–22 (32 ref.) (Eng. Abstr.) **(Ita)**

[A case of gastric cancer (IIb) on the submucosal tumor (leiomyoma) of the stomach] Soejima H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Nov; 87(11):2526–30 (15 ref.) **(Jpn)**

[A heterotopic Brunner's adenoma in the stomach: a case report] Yasutake K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Jul;87(7):1551–5 (20 ref.) **(Jpn)**

[Long-term follow-up of a patient with early diagnosis of untreated stomach cancer] Starzyńska T, et al. **Pol Tyg Lek** 1990 Feb 19–26;45(8–9):177–8 (13 ref.) (Eng. Abstr.) **(Pol)**

[Stage I cancer of the stomach (T1N0M0P1–2). Classification and x-ray diagnosis (review of the literature] Slesareva IuG. **Vestn Rentgenol Radiol** 1990 Mar–Apr;(2):63–9 (149 ref.) **(Rus)**

[Dynamics of morphological and biochemical changes in the gastric mucosa in rats during tumor induction] Vol'fson NI, et al. **Vopr Onkol** 1990;36(11):1287–92 (52 ref.) **(Rus)**

[Update on experimental gastric carcinogenesis in the rat, without exogenous carcinogens] Gómez Portilla A, et al. **Rev Esp Enferm Dig** 1990 Oct;78(4):222–4 (25 ref.) **(Spa)**

PHYSIOPATHOLOGY

Zollinger–Ellison syndrome. A new look at regression of gastrinomas. Delcore R, et al. **Arch Surg** 1991 May; 126(5):556–8 (21 ref.)

The gastrin hypothesis. Implications for antisecretory drug selection. Karnes WE Jr, et al. **J Clin Gastroenterol** 1990; 12 Suppl 2:S7–12 (70 ref.)

RADIOGRAPHY

[Gastric cancer presenting fine stippled calcification in radiography: a case report and a review of the Japanese literature] Takasaki M, et al. **Gan No Rinsho** 1990 Oct; 36(12):2186–92 (50 ref.) (Eng. Abstr.) **(Jpn)**

SECONDARY

[Gastric metastases of ovarian adenocarcinoma. Apropos of a case] Majerus B, et al. **Acta Chir Belg** 1990 Jul–Aug; 90(4):166–71 (31 ref.) (Eng. Abstr.) **(Fre)**

[A case of a metastatic hepatocellular carcinoma to the stomach—review of Japanese literature] Kumai T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Mar;88(3):749–53 (16 ref.) **(Jpn)**

SURGERY

Surgical strategy for early gastric cancer. Hioki K, et al. **Br J Surg** 1990 Dec;77(12):1330–4 (100 ref.)

Intraoperative radiation therapy for carcinoma of the stomach and pancreas. Abe M, et al. **Front Radiat Ther Oncol** 1991;25:258–69; discussion 330–3 (11 ref.)

Intraoperative radiotherapy in gastric and pancreatic carcinoma: a European experience. Calvo FA, et al. **Front Radiat Ther Oncol** 1991;25:270–83 (26 ref.)

Intraoperative radiation therapy for pancreatic, biliary and gastric carcinoma: the US experience. Merrick HW 3d, et al. **Front Radiat Ther Oncol** 1991;25:246–57 (35 ref.)

Malignant gastric teratoma in an infant. Balik E, et al. **Z Kinderchir** 1990 Dec;45(6):383–5 (14 ref.)

[Adenomatous polyps in the stomach-colon—when is polypectomy curative?] Niebel W, et al. **Z Gastroenterol Verh** 1991 Mar;26:80–1 (6 ref.) **(Ger)**

[The use of an isolated jejunum segment in gastric surgery] Rozsos I. **Orv Hetil** 1991 Jan 6;132(1):23–7 (51 ref.) (Eng. Abstr.) **(Hun)**

[Total gastrectomy versus subtotal gastrectomy in the surgical treatment of stage II and III gastric cancer. Preliminary results] Cucchiara G, et al. **G Chir** 1988 Mar–Apr;9(3–4):241–7 (31 ref.) (Eng. Abstr.) **(Ita)**

[Cancer of the stomach: indications and limits of reductive and palliative surgery] Fegiz G, et al. **G Chir** 1988 Sep; 9(9):565–72 (20 ref.) (Eng. Abstr.) **(Ita)**

[Gastric carcinoma: results of surgical treatment] Salvini P, et al. **G Chir** 1988 Mar–Apr;9(3–4):203–9 (34 ref.) (Eng. Abstr.) **(Ita)**

[Surgical treatment of patients with cancer of the cardio-esophageal region] Chernousov AF, et al. **Grud Serdechnososudistain Khir** 1990;(9):70–3 (50 ref.) **(Rus)**

THERAPY

Gastric, esophageal, and pancreatic cancer, and rare tumors. Bleiberg H. **Curr Opin Oncol** 1990 Aug;2(4):718–24 (27 ref.)

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the stomach. Takahashi M, et al. **IARC Sci Publ** 1990;(99):129–57 (87 ref.)

STOMACH RUPTURE

DIAGNOSIS

Spontaneous rupture of the stomach in an adult. LeDoux MS, et al. **South Med J** 1991 Mar;84(3):399–401 (19 ref.)

ETIOLOGY

Traumatic rupture of the stomach after Heimlich maneuver. van der Ham AC, et al. **J Emerg Med** 1990 Nov–Dec; 8(6):713–5 (23 ref.)

STOMACH ULCER

CHEMICALLY INDUCED

[Effect of non-steroidal anti-inflammatory drugs on the stomach] Svintsitskiĭ AS. **Klin Med (Mosk)** 1990 Sep; 68(9):18–22 (53 ref.) **(Rus)**

[NSAID causes ulcer and other gastrointestinal disorders] Axelson J. **Lakartidningen** 1991 Apr 3;88(14):1286–9 (94 ref.) **(Swe)**

COMPLICATIONS

[Prognosis and surgical tactics in gastroduodenal ulcers] Zakharova GN, et al. **Sov Med** 1990;(10):35–9 (60 ref.) **(Rus)**

[Characteristics of peptic ulcer in women] Sakhautdinov VG, et al. **Vestn Khir** 1991 Feb;146(2):145–7 (22 ref.) **(Rus)**

DRUG THERAPY

The therapeutic control of acid secretion in gastric ulcer: a critical appraisal [editorial] Savarino V, et al. **Biomed Pharmacother** 1990;44(8):395–7 (18 ref.)

Gastric H+,K(+)-ATPase as a therapeutic target in peptic ulcer disease. Sachs G, et al. **Dig Dis Sci** 1990 Dec; 35(12):1537–44 (33 ref.)

Clinical efficacy of famotidine in the treatment of acid-related diseases: an overview. Dammann HG. **Hepatogastroenterology** 1990 Jul;37 Suppl 1:2–5 (0 ref.)

[New developments in drug therapy: omeprazole] Koop H. **Z Gastroenterol Verh** 1991 Mar;26:159–61 (23 ref.) **(Ger)**

[Slowly healing stomach ulcer] Sheptulin AA, et al. **Klin Med (Mosk)** 1991 Mar;69(3):34–8 (48 ref.) **(Rus)**

[High demands on drug administration and pharmacological principles applied in ulcer diseases] Hellström PM. **Lakartidningen** 1991 Feb 6;88(6):425–30 (15 ref.) **(Swe)**

EPIDEMIOLOGY

[Is peptic ulcer a seasonal disease?] Rigaud D, et al. **Gastroenterol Clin Biol** 1990;14(10):727–31 (35 ref.) **(Fre)**

ETIOLOGY

Non-acid mechanisms of gastric and duodenal ulcer formation. Bynum TE. **J Clin Gastroenterol** 1991;13 Suppl 2:S56–64 (114 ref.)

Stress ulcers. Haglund U. **Scand J Gastroenterol Suppl** 1990; 175:27–33 (45 ref.)

IMMUNOLOGY

[The immune system of the body and peptic ulcer of the stomach] Shevchuk MG, et al. **Klin Khir** 1990;(9):56–60 (50 ref.) **(Rus)**

MICROBIOLOGY

Does Helicobacter pylori play a role in the pathogenesis of peptic ulcer? Part I: No. Helicobacter pylori is a commensal in the stomach. Desai HG. **J Assoc Physicians India** 1990 Sep;38 Suppl 1:746–7 (34 ref.)

Does Helicobacter pylori play a role in the pathogenesis of peptic ulcer? Part II. Yes, Helicobacter pylori is a pathogenetic factor in peptic ulcer. Nanivadekar SA. **J Assoc Physicians India** 1990 Sep;38 Suppl 1:748–51 (27 ref.)

[Helicobacter pylori and gastroduodenal pathology. Second part: Clinical aspects and therapy] Sobhani I, et al. **Gastroenterol Clin Biol** 1991;15(5):412–20 (99 ref.) **(Fre)**

[Virulence factors of Helicobacter pylori and pathomechanisms of mucosal damage] Raedsch R. **Z Gastroenterol Verh** 1991 Mar;26:281–2 (14 ref.) **(Ger)**

[Helicobacter pylori in patho- and morphogenesis of chronic gastritis and peptic ulcer] Zaĭtseva KK. **Arkh Patol** 1991; 53(2):72–5 (57 ref.) (Eng. Abstr.) **(Rus)**

PATHOLOGY

Quality of gastric ulcer healing: histological and ultrastructural assessment. Tarnawski A, et al. **Aliment Pharmacol Ther** 1991;5 Suppl 1:79–90 (32 ref.)

[Clinical significance of peptic erosions] Wolff G. **Z Arztl Fortbild (Jena)** 1991 Jun 10;85(11):507–9 (27 ref.) **(Ger)**

PHYSIOPATHOLOGY

Review article: stomach wars—a mucosal defense initiative. Matthews JB, et al. **Aliment Pharmacol Ther** 1991 Apr; 5(2):105–14 (46 ref.)

Vascular mediation of gastric mucosal damage and cytoprotection. Jacobson ED. **Indian J Physiol Pharmacol** 1990 Oct;34(4):223–34 (82 ref.)

Mechanisms of gastric mucosal injury and protection. Szabo S. **J Clin Gastroenterol** 1991;13 Suppl 2:S21–34 (73 ref.)

[Physiologic and pathologic age related changes in the stomach] Rösch W. **Fortschr Med** 1990 Nov 30; 108(34):643–6 (14 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

The risk of large bowel cancer after partial gastrectomy for benign ulcer disease. Lundegårdh G, et al. **Ann Surg** 1990 Dec;212(6):714–9 (32 ref.)

Reoperation for failed gastric bypass procedures for obesity. Mason EE, et al. **Surg Clin North Am** 1991 Feb;71(1):45–56 (13 ref.)

STOMACH VOLVULUS

VETERINARY

[Stomach dilatation–volvulus in the dog: current viewpoint

and retrospective study in 160 patients] van Sluijs FJ. **Tijdschr Diergeneeskd** 1991 Feb 1;116(3):112–21 (38 ref.) (Eng. Abstr.) **(Dut)**

STOMATITIS

CLASSIFICATION

Development of a staging system for chemotherapy-induced stomatitis. Western Consortium for Cancer Nursing Research. **Cancer Nurs** 1991 Feb;14(1):6–12 (30 ref.)

DIAGNOSIS

[Virus diseases of the mouth mucosa] Nasemann T. **Arch Otorhinolaryngol** 1976;213(1):333–62 (17 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

The role of herpes simplex virus in the development of oral mucositis in bone marrow transplant recipients. Woo SB, et al. **Cancer** 1990 Dec 1;66(11):2375–9 (19 ref.)

[Oral lichen planus] Brabant P, et al. **Acta Stomatol Belg** 1990 Dec;87(4):233–9 (23 ref.) (Eng. Abstr.) **(Dut)**

[Inflammatory and systemic reactions of the mouth mucosa] Hornstein OP. **Arch Otorhinolaryngol** 1976;213(1):287–331 (72 ref.) (Eng. Abstr.) **(Ger)**

[Non-clostridial anaerobic infection of the oral cavity and the ORL organs] Mironov AIu. **Vestn Otorinolaringol** 1990 Nov–Dec;(6):76–8 (20 ref.) **(Rus)**

STOMATITIS, APHTHOUS

DIAGNOSIS

[Evaluation and treatment of aphthous ulcerations of the mouth] Boisnic S, et al. **Ann Dermatol Venereol** 1991; 118(1):53–9 (19 ref.) **(Fre)**

DRUG THERAPY

Common inflammatory diseases of the mouth. Conklin RJ, et al. **Int J Dermatol** 1991 May;30(5):323–35 (189 ref.)

STOMATITIS, DENTURE

ETIOLOGY

[Denture stomatitis] Carlino P, et al. **Schweiz Monatsschr Zahnmed** 1991;101(2):217–23 (59 ref.) **(Fre)**

STOMATITIS, HERPETIC

EPIDEMIOLOGY

Sero-epidemiological and -sociological patterns of herpes simplex virus infection in the world. Nahmias AJ, et al. **Scand J Infect Dis Suppl** 1990;69:19–36 (46 ref.)

STOMATOGNATHIC SYSTEM

PHYSIOLOGY

Elements of a general theory of joints. 4. Coupled joints as simple gear systems. Kubein-Meesenburg D, et al. **Anat Anz** 1991;172(5):309–21 (20 ref.)

Relationship of occlusal vertical dimension to the health of the masticatory system. Rivera-Morales WC, et al. **J Prosthet Dent** 1991 Apr;65(4):547–53 (81 ref.)

PHYSIOPATHOLOGY

The gnathic system in obese and diabetics. I (Basic relationship of function and form). Jány Z, et al. **Czech Med** 1990;13(2–3):79–89 (27 ref.)

STOMATOLOGY see **DENTISTRY**

STRABISMUS

PHYSIOPATHOLOGY

[Dissociated vertical divergence. Early strabismus. Nystagmus] Bourron-Madignier M, et al. **Bull Soc Ophtalmol Fr** 1990 Apr;90(4):385–8, 391–3 (13 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[Surgical treatment of squint today. A status determination] Rüssmann W. **Fortschr Ophthalmol** 1990;87 Suppl:S155–62 (50 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Convergent comitant strabismus in children. Evens L, et al. **Bull Soc Belge Ophtalmol** 1989;232:1–6 (25 ref.)

STREAK PLATE COUNT see **COLONY COUNT, MICROBIAL**

STREET DRUG TESTING see **SUBSTANCE ABUSE DETECTION**

STREET DRUGS

Testing the abuse liability of anxiolytic and hypnotic drugs in humans. de Wit H, et al. **Drug Alcohol Depend** 1991 Jun;28(1):83–111 (80 ref.)

Assessment of abuse liability of stimulant drugs in humans: a methodological survey. Foltin RW, et al. **Drug Alcohol Depend** 1991 Jun;28(1):3–48 (190 ref.)

Abuse liability studies of opioid agonist-antagonists in humans. Preston KL, et al. **Drug Alcohol Depend** 1991 Jun; 28(1):49–82 (65 ref.)

Is there an epidemic of drug misuse in Brazil? A review of the epidemiologic evidence (1977–1988). de Almeida-Filho N, et al. **Int J Addict** 1991 Mar;26(3):355–69 (40 ref.)

Hispanics and illicit drug use: a review of recent findings. De La Rosa MR, et al. **Int J Addict** 1990 Jun;25(6):665–91 (52 ref.)

Effectiveness of the Transcendental Meditation program in preventing and treating substance misuse: a review. Gelderloos P, et al. **Int J Addict** 1991 Mar;26(3):293–325 (100 ref.)

Benzodiazepine dependency discontinuation: focus on the chemical dependency detoxification setting and benzodiazepine-polydrug abuse. Smith DE, et al. **J Psychiatr Res** 1990;24 Suppl 2:145–56 (19 ref.)

Gangs, drugs, and violence. Moore J. **NIDA Res Monogr** 1990;103:160–76 (35 ref.)

The long-term neurobehavioral consequences of substance abuse: conceptual and methodological challenges for future research. Reed RJ, et al. **NIDA Res Monogr** 1990;101:10–56 (272 ref.)

The latest fads to increase muscle mass and energy. A look at what some athletes are using. Woolley BH. **Postgrad Med** 1991 Feb 1;89(2):195–8, 201–5 (27 ref.)

Body packing--a case report and review of the literature. Stewart A, et al. **Postgrad Med J** 1990 Aug;66(778):659–61 (19 ref.)

ADVERSE EFFECTS

Acute reactions to drugs of abuse [see comments] **Med Lett Drugs Ther** 1990 Oct 5;32(828):92–4 (25 ref.) Comment in: Med Lett Drugs Ther 1991 Jan 25;33(836):8.

The consequences of maternal substance abuse for the child exposed in utero. McCance-Katz EF. **Psychosomatics** 1991 Summer;32(3):268–74 (36 ref.)

ANALYSIS

Drugs-of-abuse testing. Screening and confirmation. Aziz K. **Clin Lab Med** 1990 Sep;10(3):493–502 (13 ref.)

CHEMICAL SYNTHESIS

[Clandestine drug synthesis: past, present and future] Camí Morell J. **Med Clin (Barc)** 1990 Sep 22;95(9):344–7 (15 ref.) **(Spa)**

METABOLISM

Metabolic studies of drugs of abuse. Volkow ND, et al. **NIDA Res Monogr** 1991;105:47–53 (25 ref.)

PHARMACOKINETICS

Genetics of responses to drugs of abuse. Shuster L. **Int J Addict** 1990–91;25(1A):57–79 (110 ref.)

Drug disposition and effects in the fetus. Rurak DW, et al. **J Dev Physiol** 1991 Jan;15(1):33–44 (104 ref.)

PHARMACOLOGY

In vitro immunotoxicology and immunopharmacology: studies on drugs of abuse by R.M. Pillai and R.R. Watson. Donahoe RM. **Toxicol Lett** 1990 Oct;53(3):265–8 (10 ref.)

POISONING

The contribution of impurities to the acute morbidity of illegal drug use. Shesser R, et al. **Am J Emerg Med** 1991 Jul;9(4):336–42 (130 ref.)

SUPPLY & DISTRIBUTION

The social epidemiology of international drug trafficking: comparison of source of supply and distribution networks. Montagne M. **Int J Addict** 1990 May;25(5):557–77 (90 ref.)

TOXICITY

In vitro immunotoxicology and immunopharmacology: studies on drugs of abuse. Pillai RM, et al. **Toxicol Lett** 1990 Oct;53(3):269–83 (96 ref.)

STREET PEOPLE see **HOMELESS PERSONS**

STREETER SYNDROME see **AMNIOTIC BAND SYNDROME**

STREPTOCOCCACEAE

GENETICS

Genetics of lactic acid bacteria with special reference to lactococci. Rodríguez A, et al. **Microbiologia** 1990 Dec; 6(2):51–64 (117 ref.)

ISOLATION & PURIFICATION

Aerococcus viridans infection. Case report and review. Park JW, et al. **Clin Pediatr (Phila)** 1990 Sep;29(9):525–6 (11 ref.)

STREPTOCOCCAL INFECTIONS

Group B streptococcal endocarditis of tricuspid valve. Watanakunakorn C, et al. **Chest** 1991 Aug;100(2):569–71 (16 ref.)

Aerococcus viridans infection. Case report and review. Park JW, et al. **Clin Pediatr (Phila)** 1990 Sep;29(9):525–6 (11 ref.)

Staphylococcal and streptococcal pyrogenic toxins involved in toxic shock syndrome and related illnesses. Bohach GA, et al. **Crit Rev Microbiol** 1990;17(4):251–72 (224 ref.)

Cerebral abscess complicating dilatation of a corrosive esophageal stricture. Djupesland P, et al. **Eur Arch Otorhinolaryngol** 1991;248(5):308–10 (13 ref.)

Septic arthritis due to group C streptococcus: report and review of the literature. Ike RW. **J Rheumatol** 1990 Sep; 17(9):1230–6 (52 ref.)

Group A streptococcal infections and acute rheumatic fever. Bisno AL. **N Engl J Med** 1991 Sep 12;325(11):783–93 (150 ref.)

Streptococcus bovis meningitis: report of 2 cases. Purdy RA, et al. **Neurology** 1990 Nov;40(11):1782–4 (18 ref.)

Group A beta-hemolytic streptococcal vulvovaginitis in prepubertal girls: a case report and review of the past twenty years. Straumanis JP, et al. **Pediatr Infect Dis J** 1990 Nov;9(11):845–8 (15 ref.)

Infectious skin diseases. Ferrante JA. **Prim Care** 1990 Dec; 17(4):867–81 (12 ref.)

Group C streptococcal arthritis: case report and review. Ortel TL, et al. **Rev Infect Dis** 1990 Sep–Oct;12(5):829–37 (88 ref.)

[Streptococcal pharyngitis] Karabiber N. **Mikrobiyol Bul** 1990 Jul;24(3):272–8 (14 ref.) (Eng. Abstr.) **(Tur)**

COMPLICATIONS

Hypothesis on the pathogenesis of post-streptococcal glomerulonephritis based on recent clinical and experimental research. Holm SE. **Int J Med Microbiol** 1990 Dec;274(3):325–32 (27 ref.)

Group G streptococcus septic arthritis and osteomyelitis: report and literature review. Burkert T, et al. **J Rheumatol** 1991 Jun;18(6):904–7 (44 ref.)

[A case report of pulmonary sequestration (Pryce I) associated with infective endocarditis] Sugimoto T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Apr;39(4):458–62 (11 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Bacterial endocarditis presenting as acute myocardial infarction: a cautionary note for the era of reperfusion. Herzog CA, et al. **Am J Med** 1991 Mar;90(3):392–7 (39 ref.)

Pyogenic hepatic abscess. Vukmir RB. **Ann Emerg Med** 1991 Apr;20(4):421–3 (19 ref.)

The effects of the rapid strep test on physician management of streptococcal pharyngitis. Bryars CH 3d, et al. **J Am Board Fam Pract** 1991 May–Jun;4(3):139–43 (17 ref.)

Mycotic aneurysms of the carotid arteries--case report and review of the literature. Jebara VA, et al. **J Vasc Surg** 1991 Aug;14(2):215–9 (30 ref.)

DRUG THERAPY

A comparison of cephalosporins and penicillins in the treatment of group A beta-hemolytic streptococcal pharyngitis: a meta-analysis supporting the concept of microbial copathogenicity. Pichichero ME, et al. **Pediatr Infect Dis J** 1991 Apr;10(4):275–81 (54 ref.)

[Therapy and prophylaxis of infectious endocarditis] [see comments] Niebel J. **Immun Infekt** 1991 Apr;19(2):45–9 (18 ref.) (Eng. Abstr.) Comment in: Immun Infekt 1991 Apr;19(2):37. **(Ger)**

EPIDEMIOLOGY

Streptococcus zooepidemicus (Lancefield group C) septicaemia in Hong Kong. Yuen KY, et al. **J Infect** 1990 Nov;21(3):241–50 (29 ref.)

[The present-day epidemiological process in streptococcal infection] Oană C, et al. **Rev Med Chir Soc Med Nat Iasi** 1990 Apr–Jun;94(2):351–2 (0 ref.) (Eng. Abstr.) **(Rum)**

ETIOLOGY

Role of bacterial debris in inflammatory diseases of the joint and eye. Fox A. **APMIS** 1990 Nov;98(11):957–68 (99 ref.)

[Fatal maternal streptococcus A infection after cesarean section] Tanguy M, et al. **Ann Fr Anesth Reanim** 1990; 9(5):447–9 (15 ref.) (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Lung abscess with group A beta-hemolytic Streptococcus. Case report and review. Frieden TR, et al. **Arch Intern Med** 1991 Aug;151(8):1655–7 (34 ref.)

Nutritionally variant streptococci. Ruoff KL. **Clin Microbiol Rev** 1991 Apr;4(2):184–90 (69 ref.)

Group C streptococcal pleurisy and pneumonia: a fulminant case and review of the literature. Dolinski SY, et al. **Infection** 1990 Jul-Aug;18(4):239-41 (17 ref.)
The role of the streptococcus in poststreptococcal reactive arthritis and childhood polyarteritis nodosa. Fink CW. **J Rheumatol Suppl** 1991 Apr;29:14-20 (27 ref.)
Streptococcal infections in man. Ross PW. **Microbiol Sci** 1985 Jun;2(6):174-8 (20 ref.)
Infectious crystalline keratopathy. Role of nutritionally variant streptococci and other bacterial factors. Ormerod LD, et al. **Ophthalmology** 1991 Feb;98(2):159-69 (59 ref.)
Group B streptococcal infections. Edwards MS. **Pediatr Infect Dis J** 1990 Oct;9(10):778-81 (38 ref.)
[Streptococcus agalactiae] de la Rosa M, et al. **Enferm Infecc Microbiol Clin** 1989 Oct;7(8):436-9 (68 ref.) **(Spa)**

PATHOLOGY

Suppurative oral candidosis. Review of the literature and report of a case. McManners J, et al. **Int J Oral Maxillofac Surg** 1990 Oct;19(5):257-9 (15 ref.)

PREVENTION & CONTROL

Preventing group B streptococcal infection in newborns. Hueston WJ. **Am Fam Physician** 1991 Feb;43(2):487-92 (18 ref.)
Failures of endocarditis prophylaxis: selective review of the literature and a case report. van der Bijl P, et al. **Ann Dent** 1991 Summer;50(1):5-8 (26 ref.)
Group B streptococcus: the effectiveness of screening and chemoprophylaxis. Greenspoon JS, et al. **Obstet Gynecol Surv** 1991 Aug;46(8):499-508 (35 ref.)

VETERINARY

An update on Streptococcus suis identification. Higgins R, et al. **J Vet Diagn Invest** 1990 Jul;2(3):249-52 (26 ref.)

STREPTOCOCCAL OK-432 see **PICIBANIL**

STREPTOCOCCAL PREPARATION OK-432 see **PICIBANIL**

STREPTOCOCCUS

CLASSIFICATION

Lancefield group F and related streptococci. Whitworth JM. **J Med Microbiol** 1990 Nov;33(3):135-51 (249 ref.)
Intrageneric relationships of Enterococci as determined by reverse transcriptase sequencing of small-subunit rRNA. Williams AM, et al. **Res Microbiol** 1991 Jan;142(1):67-74 (23 ref.)

DRUG EFFECTS

Resistance of enterococci to glycopeptides. Courvalin P. **Antimicrob Agents Chemother** 1990 Dec;34(12):2291-6 (55 ref.)
Antibiotic resistance among enterococci: current problems and management strategies. Murray BE. **Curr Clin Top Infect Dis** 1991;11:94-117 (132 ref.)

ENZYMOLOGY

A family of clostridial and streptococcal ligand-binding proteins with conserved C-terminal repeat sequences. Wren BW. **Mol Microbiol** 1991 Apr;5(4):797-803 (38 ref.)

GENETICS

Molecular genetics of Streptococcus thermophilus. Mercenier A. **FEMS Microbiol Rev** 1990 Sep;7(1-2):61-77 (87 ref.)
[Conjugation in streptococci] Ravdonikas LE, et al. **Mol Gen Mikrobiol Virusol** 1990 Oct;(10):8-15 (76 ref.) (Eng. Abstr.) **(Rus)**
[Development of the genetics of lactic bacteria with emphasis on the genetics of lactococci and their bacteriophages] de Fabrizio SV, et al. **Rev Argent Microbiol** 1990 Apr-Jun; 22(2):102-14 (72 ref.) **(Spa)**

GROWTH & DEVELOPMENT

Nutritionally variant streptococci. Ruoff KL. **Clin Microbiol Rev** 1991 Apr;4(2):184-90 (69 ref.)
Enterococci in milk and milk products. Garg SK, et al. **Crit Rev Microbiol** 1991;18(1):15-45 (251 ref.)
Proteinase inhibition, immunoglobulin-binding proteins and a novel antimicrobial principle. Björck L. **Mol Microbiol** 1990 Sep;4(9):1439-42 (19 ref.)

ISOLATION & PURIFICATION

An update on Streptococcus suis identification. Higgins R, et al. **J Vet Diagn Invest** 1990 Jul;2(3):249-52 (26 ref.)

METABOLISM

Interactions of bacteria with extracellular matrix proteins. Hook M, et al. **Cell Differ Dev** 1990 Dec 2;32(3):433-8 (14 ref.)

PATHOGENICITY

Streptococcal infections in man. Ross PW. **Microbiol Sci** 1985 Jun;2(6):174-8 (20 ref.)

PHYSIOLOGY

Antimicrobial resistance among enterococci. Herman DJ, et al. **Antimicrob Agents Chemother** 1991 Jan;35(1):1-4 (68 ref.)
Infectious crystalline keratopathy. Role of nutritionally variant streptococci and other bacterial factors. Ormerod LD, et al. **Ophthalmology** 1991 Feb;98(2):159-69 (59 ref.)

STREPTOCOCCUS AGALACTIAE

Preventing group B streptococcal infection in newborns. Hueston WJ. **Am Fam Physician** 1991 Feb;43(2):487-92 (18 ref.)
Group B streptococcal endocarditis of tricuspid valve. Watanakunakorn C, et al. **Chest** 1991 Aug;100(2):569-71 (16 ref.)
[Streptococcus agalactiae] de la Rosa M, et al. **Enferm Infecc Microbiol Clin** 1989 Oct;7(8):436-9 (68 ref.) **(Spa)**

ISOLATION & PURIFICATION

Group B streptococcus: the effectiveness of screening and chemoprophylaxis. Greenspoon JS, et al. **Obstet Gynecol Surv** 1991 Aug;46(8):499-508 (35 ref.)
Group B streptococcal infections. Edwards MS. **Pediatr Infect Dis J** 1990 Oct;9(10):778-81 (38 ref.)

STREPTOCOCCUS FAECALIS

DRUG EFFECTS

Antibiotic resistance among enterococci: current problems and management strategies. Murray BE. **Curr Clin Top Infect Dis** 1991;11:94-117 (132 ref.)

METABOLISM

[Regulatory mechanism of the cytoplasmic pH by H(+)-adenosinetriphosphatase] Kobayashi H. **Yakugaku Zasshi** 1990 Oct;110(10):703-10 (67 ref.) (Eng. Abstr.) **(Jpn)**

STREPTOCOCCUS GROUP A see **STREPTOCOCCUS PYOGENES**

STREPTOCOCCUS GROUP B see **STREPTOCOCCUS AGALACTIAE**

STREPTOCOCCUS LACTIS

GENETICS

[Functional properties of plasmids in lactic streptococci] Akçelik M. **Mikrobiyol Bul** 1990 Apr;24(2):164-76 (61 ref.) (Eng. Abstr.) **(Tur)**

STREPTOCOCCUS MUTANS

IMMUNOLOGY

Development and outlook for a caries vaccine. Michalek SM, et al. **Crit Rev Oral Biol Med** 1990;1(1):37-54 (195 ref.)
Dental caries vaccine: some problems solved? Everhart DL, et al. **Microbiol Sci** 1985 Oct;2(10):312-3 (22 ref.)

PHYSIOLOGY

Salivary lysozyme, lactoferrin and peroxidases: antibacterial effects on cariogenic bacteria and clinical applications in preventive dentistry. Tenovuo J, et al. **Proc Finn Dent Soc** 1991;87(2):197-208 (85 ref.)

STREPTOCOCCUS PNEUMONIAE

see related
PNEUMOCOCCAL INFECTIONS

DRUG EFFECTS

Antibiotic resistance in Europe and the current use of antibiotics in severe pediatric infections. Levy J. **Scand J Infect Dis Suppl** 1990;73:23-9 (50 ref.)

IMMUNOLOGY

Pneumococcal vaccine trials in Papua New Guinea: relationships between epidemiology of pneumococcal infection and efficacy of vaccine. Riley ID, et al. **Rev Infect Dis** 1991 May-Jun;13 Suppl 6:S535-41 (41 ref.)
Use of vaccines for respiratory infections. Strategies for influenza and pneumococcal vaccines. Mäkelä PH, et al. **Scand J Infect Dis Suppl** 1990;70:141-8 (31 ref.)

ISOLATION & PURIFICATION

Acute glossitis and bacteremia caused by Streptococcus pneumoniae: case report and review [letter] Stoddard JJ, et al. **Am J Dis Child** 1991 Jun;145(6):598-9 (5 ref.)
Pneumococcal endometritis and neonatal sepsis. Robinson EN Jr. **Rev Infect Dis** 1990 Sep-Oct;12(5):799-801 (11 ref.)

METABOLISM

Penicillin-resistant pneumococci. Allen KD. **J Hosp Infect** 1991 Jan;17(1):3-13 (61 ref.)

PHYSIOLOGY

Pathogenesis of pneumococcal pneumonia. Johnston RB Jr. **Rev Infect Dis** 1991 May-Jun;13 Suppl 6:S509-17 (105 ref.)

STREPTOCOCCUS PYOGENES

Staphylococcal and streptococcal pyrogenic toxins involved in toxic shock syndrome and related illnesses. Bohach GA, et al. **Crit Rev Microbiol** 1990;17(4):251-72 (224 ref.)
The effects of the rapid strep test on physician management of streptococcal pharyngitis. Bryars CH 3d, et al. **J Am Board Fam Pract** 1991 May-Jun;4(3):139-43 (17 ref.)
The role of the streptococcus in poststreptococcal reactive arthritis and childhood polyarteritis nodosa. Fink CW. **J Rheumatol Suppl** 1991 Apr;29:14-20 (27 ref.)
Group A streptococcal infections and acute rheumatic fever. Bisno AL. **N Engl J Med** 1991 Sep 12;325(11):783-93 (150 ref.)
A comparison of cephalosporins and penicillins in the treatment of group A beta-hemolytic streptococcal pharyngitis: a meta-analysis supporting the concept of microbial copathogenicity. Pichichero ME, et al. **Pediatr Infect Dis J** 1991 Apr;10(4):275-81 (54 ref.)
[Fatal maternal streptococcus A infection after cesarean section] Tanguy M, et al. **Ann Fr Anesth Reanim** 1990; 9(5):447-9 (15 ref.) (Eng. Abstr.) **(Fre)**
[Streptococcal pharyngitis] Karabiber N. **Mikrobiyol Bul** 1990 Jul;24(3):272-8 (14 ref.) (Eng. Abstr.) **(Tur)**

IMMUNOLOGY

[Streptococci, molecular mimicry and APO titer] Fantini F. **Boll Ist Sieroter Milan** 1989;68(2):108-14 (21 ref.) **(Ita)**

ISOLATION & PURIFICATION

Lung abscess with group A beta-hemolytic Streptococcus. Case report and review. Frieden TR, et al. **Arch Intern Med** 1991 Aug;151(8):1655-7 (34 ref.)
Group A beta-hemolytic streptococcal vulvovaginitis in prepubertal girls: a case report and review of the past twenty years. Straumanis JP, et al. **Pediatr Infect Dis J** 1990 Nov;9(11):845-8 (15 ref.)
[The use of rapid direct methods for identifying Streptococcus group A in medical practice] Iontova IM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Jul; (7):98-104 (37 ref.) **(Rus)**

STREPTOCOCCUS SANGUIS

METABOLISM

Utilization of nitrogenous compounds by oral bacteria. Rogers AH. **Aust Dent J** 1990 Oct;35(5):468-71 (16 ref.)

STREPTOKINASE

ADMINISTRATION & DOSAGE

[rt-PA versus streptokinase--Has the controversy regarding the optimal thrombolytic agent been resolved by results of the GISSI II/International rt-PA vs. Streptokinase fatality Study?] Gulba DC, et al. **Z Kardiol** 1991 Jan; 80(1):1-5 (35 ref.) **(Ger)**

METABOLISM

The mechanisms of the activation of plasminogen by streptokinase and urokinase. Takada Y, et al. **Adv Exp Med Biol** 1990;281:223-34 (41 ref.)

PHARMACOLOGY

[Inhibition by ethanol and acetaldehyde the plasmin activity and plasminogen activation induced by urokinase and streptokinase] Roszkowska-Jakimiec W, et al. **Rocz Akad Med Bialymst** 1988-89;33-34:53-66 (14 ref.) (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Coronary artery thrombolysis: comparison of approved agents. Porter RS, et al. **Am Fam Physician** 1991 Aug; 44(2):591-8 (29 ref.)
Heparin-induced thrombocytopenia and thrombosis: reversal with streptokinase. A case report and review of literature. Mehta DP, et al. **Am J Hematol** 1991 Apr;36(4):275-9 (55 ref.)
Streptokinase and recombinant tissue plasminogen activator (rt-PA) are equally effective in treating acute myocardial infarction. Sherry S, et al. **Ann Intern Med** 1991 Mar 1; 114(5):417-23 (92 ref.)
Thrombolytic therapy in the management of acute limb ischaemia. Earnshaw JJ. **Br J Surg** 1991 Mar;78(3):261-9 (136 ref.)
Blood viscosity and platelet function in thrombolytic therapy of acute myocardial infarction. Hoffmann JJ. **Eur Heart J** 1990 Aug;11 Suppl F:29-35 (51 ref.)
[The treatment of deep venous thrombosis. Thrombolysis vs heparin] Schmutzler R. **Phlebologie** 1990 Nov-Dec; 43(4):656-65; discussion 666 (0 ref.) (Eng. Abstr.) **(Fre)**

[Strategies of reperfusion in developing infarct] Zago AJ, et al. **Arq Bras Cardiol** 1990 Nov;55(5):329–38 (41 ref.) **(Por)**

[Status of the coronary arteries after thrombolytic therapy of myocardial infarction] Savchenko AP. **Klin Med (Mosk)** 1991 Jan;69(1):13–6 (40 ref.) **(Rus)**

STREPTOMYCES

ENZYMOLOGY

[The role of propionyl-CoA carboxylase in the biosynthesis of antibiotics] Kirsanov AIu, et al. **Antibiot Khimioter** 1991 Apr;36(4):32–5 (62 ref.) **(Rus)**

METABOLISM

[Genetic and biochemical control of biosynthesis of macrolide antibiotics] Navashin SM, et al. **Antibiot Khimioter** 1990 Dec;35(12):34–8 (62 ref.) **(Rus)**

[New [illegible]oplastic antibiotics. New drugs, new producers ar[illegible] presentatives of the known classes] Viadro MM, et [illegible]**tibiot Khimioter** 1990 Oct;35(10):52–6 (87 ref.) **(Rus)**

PHYSIOLOGY

Autoregulatory factors of secondary metabolism and morphogenesis in actinomycetes. Horinouchi S, et al. **Crit Rev Biotechnol** 1990;10(3):191–204 (92 ref.)

STREPTONIVICIN see **NOVOBIOCIN**

STREPTOZOCIN see **STREPTOZOTOCIN**

STREPTOZOTOCIN

ANALOGS & DERIVATIVES

Chlorozotocin. **IARC Monogr Eval Carcinog Risks Hum** 1990;50:65–75 (53 ref.)

STREPTOZOTOCIN DIABETES see **DIABETES MELLITUS, EXPERIMENTAL**

STRESS

Response of mammalian cells to metabolic stress; changes in cell physiology and structure/function of stress proteins. Welch WJ, et al. **Curr Top Microbiol Immunol** 1991; 167:31–55 (135 ref.)

The gamma delta cell response to stress: unresolved issues and possible significance. Born W, et al. **Res Immunol** 1990 Sep;141(7):595–600 (33 ref.)

[Activation of the cholinergic synapse in the septo–hippocampus under stress conditions] Finkelstein Y, et al. **Harefuah** 1989 Sep;117(5–6):154–7 (42 ref.) **(Heb)**

[Effects of intra-partum stress on lipid metabolism. Adaptation of plasma lipid transport systems in neonates] Campoy Folgoso C, et al. **An Esp Pediatr** 1990 Sep; 33(3):245–52 (64 ref.) (Eng. Abstr.) **(Spa)**

BLOOD

The phenomenon of leukergy (leukocyte adhesiveness/aggregation): a powerful investigative tool and a sensitive indicator of inflammation, trauma and stress. Berliner S, et al. **Isr J Med Sci** 1991 Mar;27(3):164–72 (98 ref.)

Can serum bilirubin be an index of in vivo oxidative stress? Hidalgo FJ, et al. **Med Hypotheses** 1990 Nov;33(3):207–11 (51 ref.)

COMPLICATIONS

The adult respiratory distress syndrome (ARDS) and oxidative stress: therapeutic implications. Cross CE, et al. **Adv Exp Med Biol** 1990;264:435–48 (89 ref.)

Stress ulceration in the intensive care unit: use of H2-receptor antagonists. Moore JG. **Aliment Pharmacol Ther** 1991;5 Suppl 1:111–9 (23 ref.)

The gastropulmonary route of infection—fact or fiction? Tryba M. **Am J Med** 1991 Aug 8;91(2A):135S–146S (65 ref.)

Neuroendocrine correlates of stress-related amenorrhea. Genazzani AR, et al. **Ann N Y Acad Sci** 1991;626:125–9 (39 ref.)

Metabolic markers of stress-induced myocardial ischemia. Camici P, et al. **Circulation** 1991 May;83(5 Suppl):III8–13 (22 ref.)

Stress and sudden death. The case of the long QT syndrome. Schwartz PJ, et al. **Circulation** 1991 Apr;83(4 Suppl):II71–80 (67 ref.)

Sucralfate versus antacids or H2-antagonists for stress ulcer prophylaxis: a meta-analysis on efficacy and pneumonia rate. Tryba M. **Crit Care Med** 1991 Jul;19(7):942–9 (47 ref.)

Pathophysiology, monitoring, and management of the ventilator-dependent patient: considerations for drug therapy, emphasis on stress ulcer prophylaxis. Dellinger RP. **DICP** 1990 Nov;24(11 Suppl):S8–11 (16 ref.)

The clinical significance and pathophysiology of stress-related gastric mucosal hemorrhage. Bresalier RS. **J Clin Gastroenterol** 1991;13 Suppl 2:S35–43 (100 ref.)

The paradoxical stress response: a possible common basis for depression and other conditions. Silvestrini B. **J Clin Psychiatry** 1990 Sep;51 Suppl:6–8 (15 ref.)

Histamine H2-receptor antagonists. Keithley JK. **Nurs Clin North Am** 1991 Jun;26(2):361–73 (22 ref.)

Prevention of stress ulcer bleeding: a review. Geus WP, et al. **Scand J Gastroenterol Suppl** 1990;178:32–41 (71 ref.)

Stress ulcers. Haglund U. **Scand J Gastroenterol Suppl** 1990; 175:27–33 (45 ref.)

Stress gastritis revisited. Durham RM, et al. **Surg Clin North Am** 1991 Aug;71(4):791–810 (136 ref.)

[Prevention of stress ulcer hemorrhage: a risk–benefit analysis] Jehle EC, et al. **Z Gastroenterol** 1990 Jun; 28(6):315–21 (97 ref.) (Eng. Abstr.) **(Ger)**

[The central nervous system, stress and motility of the gastrointestinal tract] Erckenbrecht JF. **Z Gastroenterol Verh** 1991 Mar;26:248–52 (36 ref.) **(Ger)**

[Prevention of stress hemorrhage in critical care patients] Rösch W. **Z Gastroenterol Verh** 1991 Mar;26:29–30 (16 ref.) **(Ger)**

[Modern concepts for the prevention of acute stress hemorrhage] Tryba M, et al. **Z Gastroenterol Verh** 1991 Mar;26:26–8 (36 ref.) **(Ger)**

[Stressor immunodeficiencies in man] Levando VA, et al. **Usp Fiziol Nauk** 1990 Jul–Sep;21(3):79–97 (104 ref.) **(Rus)**

DIET THERAPY

Maintaining nutritional balance in adults. Elsen RJ, et al. **Compr Ther** 1991 Mar;17(3):12–9 (23 ref.)

DRUG THERAPY

Kinin/prostaglandin system: its therapeutic value in surgical stress. Hartl WH, et al. **Crit Care Med** 1990 Oct; 18(10):1167–74 (134 ref.)

GENETICS

Cellular responses to oxidative stress: the [Ah] gene battery as a paradigm. Nebert DW, et al. **Environ Health Perspect** 1990 Aug;88:13–25 (60 ref.)

Genetic variation in the stress response: susceptibility to experimental allergic encephalomyelitis and implications for human inflammatory disease. Mason D. **Immunol Today** 1991 Feb;12(2):57–60 (39 ref.)

IMMUNOLOGY

Effect of stress on drug hypersensitivity. Thomassen D. **Drug Saf** 1991 Jul–Aug;6(4):235–40 (48 ref.)

T cell recognition of stress proteins. A link between infectious and autoimmune disease. Lamb JR, et al. **Mol Biol Med** 1990 Aug;7(4):311–21 (69 ref.)

Environmental stress and immunity: possible implications for IgE-mediated allergy. Parker CW. **Perspect Biol Med** 1991 Winter;34(2):197–212 (85 ref.)

[Stress and immunity. The role of stress in auto-immunity of Basedow's disease] Ducornet B, et al. **Ann Endocrinol (Paris)** 1990;51(1):17–24 (64 ref.) (Eng. Abstr.) **(Fre)**

[Psychogenic stimulation of the immune system by nutrition] Bergler R, et al. **Zentralbl Hyg Umweltmed** 1991 Mar; 191(2–3):241–64 (197 ref.) (Eng. Abstr.) **(Ger)**

[Response to stress and the immunological system] Danenberg HD, et al. **Harefuah** 1991 Apr 15;120(8):455–9 (49 ref.) **(Heb)**

[Effect of surgical stress on cytotoxicity of the natural killer cells] Zlochevskaia LL. **Klin Khir** 1990;(8):42–7 (74 ref.) **(Rus)**

METABOLISM

Hormonal and metabolic response to operative stress in the neonate. Schmeling DJ, et al. **JPEN J Parenter Enteral Nutr** 1991 Mar–Apr;15(2):215–38 (250 ref.)

Balance between omega 3 and omega 6 fatty acids in heart muscle in relation to diet, stress and ageing. Gudbjarnason S, et al. **World Rev Nutr Diet** 1991;66:292–305 (20 ref.)

[The mechanisms of action and repression of oxidative stress] Popescu A. **Rev Roum Physiol** 1990 Apr–Jun;27(2):85–91 (9 ref.) **(Fre)**

[Parenteral nutritional therapy with reference to post-aggression metabolism] Schürmann W, et al. **Klin Anasthesiol Intensivther** 1990;40:73–86 (10 ref.) **(Ger)**

[The role of heat-shock proteins] Lipińska B. **Postepy Biochem** 1990;36(1–2):32–42 (159 ref.) **(Pol)**

[The in vivo production of corticosteroids by the adrenals in rats of the SSHR hypertensive strain] Kotlobai AA, et al. **Biol Nauki** 1990;(6):60–75 (67 ref.) (Eng. Abstr.) **(Rus)**

[Cerebral circulation and neurologic diseases related to oxidative stress. Free radicals and antioxidants] Romero D, et al. **Neurologia** 1990 Oct;5(8):271–83 (214 ref.) **(Spa)**

PHYSIOPATHOLOGY

Interaction of alcohol and stress at the cardiovascular level. Pohorecky LA. **Alcohol** 1990 Nov–Dec;7(6):537–46 (121 ref.)

Central regulation of stress responses: regulation of the autonomic nervous system and visceral function by corticotrophin releasing factor–41. Fisher LA, et al. **Baillieres Clin Endocrinol Metab** 1991 Mar;5(1):35–50 (102 ref.)

Hormonal regulation of the acute haemostatic response to stress. Grant PJ. **Blood Coagul Fibrinolysis** 1990 Aug; 1(3):299–306 (84 ref.)

Physiological and behavioral responses to corticotropin–releasing factor administration: is CRF a mediator of anxiety or stress responses? Dunn AJ, et al. **Brain Res Brain Res Rev** 1990 May–Aug;15(2):71–100 (267 ref.)

Disorders of the hypothalamic pulse generator: insufficient or inappropriate gonadotropin–releasing hormone release. Casper RF. **Clin Obstet Gynecol** 1990 Sep;33(3):611–21 (57 ref.)

Physiological costs of combating chemical toxicants: ecological implications. Calow P. **Comp Biochem Physiol [C]** 1991;100(1–2):3–6 (37 ref.)

Role of the central nervous system in stress ulcers. Glavin GB. **Compr Ther** 1991 Apr;17(4):3–5 (16 ref.)

Physiologic stress and cellular ischemia: relationship to immunosuppression and susceptibility to sepsis. Abraham E. **Crit Care Med** 1991 May;19(5):613–8 (69 ref.)

Pathophysiologic changes in the critically ill patient: risk factors for ulceration and altered drug metabolism. Gonzalez ER. **DICP** 1990 Nov;24(11 Suppl):S5–7 (18 ref.)

Stress-related mucosal damage: review of drug therapy. Vorder Bruegge WF, et al. **J Clin Gastroenterol** 1990;12 Suppl 2:S35–40 (26 ref.)

Ubiquitin, cell stress and diseases of the nervous system. Lowe J, et al. **Neuropathol Appl Neurobiol** 1990 Aug; 16(4):281–91 (44 ref.)

Central and peripheral benzodiazepine receptors: involvement in an organism's response to physical and psychological stress. Drugan RC, et al. **Neurosci Biobehav Rev** 1991 Summer;15(2):277–98 (329 ref.)

Cardiovascular response to stress. Herd JA. **Physiol Rev** 1991 Jan;71(1):305–30 (162 ref.)

The determinants of stress-induced activation of the prefrontal cortical dopamine system. Deutch AY, et al. **Prog Brain Res** 1990;85:367–402; discussion 402–3 (234 ref.)

Glucocorticoids, hippocampal damage and the glutamatergic synapse. Sapolsky RM. **Prog Brain Res** 1990;86:13–23 (81 ref.)

Biochemical switching in hypothalamic circuits mediating responses to stress. Swanson LW. **Prog Brain Res** 1991; 87:181–200 (83 ref.)

Psychoneuroendocrinology of stress and emotions: issues for future research. Vingerhoets AJ, et al. **Psychother Psychosom** 1991;55(2–4):69–75 (22 ref.)

VETERINARY

Model systems to study immunomodulation in domestic food animals. Roth JA, et al. **Adv Vet Sci Comp Med** 1990; 35:21–41 (95 ref.)

Behavioral aspects of stress. Friend TH. **J Dairy Sci** 1991 Jan;74(1):292–303 (73 ref.)

How behavioral stress disrupts the endocrine control of reproduction in domestic animals. Moberg GP. **J Dairy Sci** 1991 Jan;74(1):304–11 (49 ref.)

Stress and the endocrine hypothalamus–pituitary–testis system: a review. Knol BW. **Vet Q** 1991 Apr;13(2):104–14 (92 ref.)

STRESS DISORDERS, POST-TRAUMATIC

DIAGNOSIS

"Negative symptoms": a cumulative trauma stress disorder? [see comments] Stampfer HG. **Aust N Z J Psychiatry** 1990 Dec;24(4):516–28 (35 ref.) Comment in: Aust N Z J Psychiatry 1991 Mar;25(1):9, 12–3.

Posttraumatic stress disorder in tort actions: forensic minefield. Sparr LF, et al. **Bull Am Acad Psychiatry Law** 1990;18(3):283–302 (77 ref.)

Post-traumatic stress disorder (PTSD): a review of the literature and report on nine cases seen in Papua New Guinea. Johnson FY. **P N G Med J** 1990 Jun;33(2):121–32 (30 ref.)

[Post-traumatic stress disorders. On the development of the current disease concept] Dressing H, et al. **Nervenarzt** 1991 Jan;62(1):16–26 (95 ref.) **(Ger)**

DRUG THERAPY

New approaches in the pharmacotherapy of posttraumatic stress disorder. Silver JM, et al. **J Clin Psychiatry** 1990 Oct;51 Suppl:33–8; discussion 44–6 (58 ref.)

ETIOLOGY

[Psychiatric disorders in resuscitation units] Perla E. **Agressologie** 1991;32(2):103–13 (44 ref.) (Eng. Abstr.) **(Fre)**

[Mild closed cranio-cerebral injury in children (review of the literature)] Morkhedzh A. **Zh Nevropatol Psikhiatr** 1990;90(8):114–8 (96 ref.) **(Rus)**

PSYCHOLOGY

What children can tell us about living in danger. Garbarino J, et al. **Am Psychol** 1991 Apr;46(4):376–83 (33 ref.)

Post-traumatic stress disorder in disaster survivors. North

CS, et al. **Compr Ther** 1990 Dec;16(12):3–9 (40 ref.)
Trauma and nostalgia: new aspects on the coping of aging Holocaust survivors. Hertz DG.
Isr J Psychiatry Relat Sci 1990;27(4):189–98 (26 ref.)
The cultural bereavement interview: a new clinical research approach for refugees. Eisenbruch M.
Psychiatr Clin North Am 1990 Dec;13(4):715–35 (38 ref.)
Head-injured parents and their children. Psychosocial consequences of a traumatic syndrome. Urbach JR, et al.
Psychosomatics 1991 Winter;32(1):24–33 (77 ref.)

THERAPY

Psychological intervention for victims and helpers after disasters. Alexander DA. **Br J Gen Pract** 1990 Aug; 40(337):345–8 (20 ref.)
Trauma, dissociation, and multiple personality. Chu JA.
Compr Ther 1990 Dec;16(12):35–40 (14 ref.)
New uses of hypnosis in the treatment of posttraumatic stress disorder. Spiegel D, et al. **J Clin Psychiatry** 1990 Oct;51 Suppl:39–43; discussion 44–6 (38 ref.)
Assessment and treatment of torture victims: a critical review. Allodi FA. **J Nerv Ment Dis** 1991 Jan;179(1):4–11 (71 ref.)

STRESS FRACTURES see **FRACTURES, STRESS**

STRESS, MECHANICAL

[Stress on the coxal end of the femur during loading in the hip joint flexion posture] Savvidis E.
Aktuel Probl Chir Orthop 1990;39:1–56 (63 ref.) **(Ger)**

STRESS PROTEINS see **HEAT-SHOCK PROTEINS**

STRESS, PSYCHOLOGICAL

see related
LIFE CHANGE EVENTS

Care of AIDS patients as a source of stress to nursing staff. Klonoff EA, et al. **AIDS Educ Prev** 1990 Winter; 2(4):338–48 (13 ref.)
Neurotransmitters and stress. Goldstein DS.
Biofeedback Self Regul 1990 Sep;15(3):243–71 (26 ref.)
Triage of disaster-related neuropsychiatric casualties. Burkle FM Jr. **Emerg Med Clin North Am** 1991 Feb;9(1):87–105 (85 ref.)
Production control and chronic stress in work organizations. Houben GJ. **Int J Health Serv** 1991;21(2):309–27 (133 ref.)
Behavioural change and the stress-coping paradigm: some comments on modelling the European code on avoiding cancer. Kelly MP. **J Public Health Med** 1990;12(2):105–8 (14 ref.)
The link between stress and illness. Do our coping methods influence our health? Sutherland JE. **Postgrad Med** 1991 Jan;89(1):159–64 (29 ref.)
Managing stress in health social work roles today. Dillon C. **Soc Work Health Care** 1990;14(4):91–108 (21 ref.)
[Environment, working conditions and cardiovascular diseases] Kristensen TS, et al. **Arq Bras Cardiol** 1990 Oct; 55(4):223–6 (20 ref.) **(Por)**
[Evaluation of athletic potential. Drugs and athletics. Stress reduction in the practice of sports in children and adolescents] Cervera Luque JM. **An Esp Pediatr** 1990 Nov; 33 Suppl 43:116–9 (15 ref.) **(Spa)**

COMPLICATIONS

Silent ischemia during mental stress: scintigraphic evidence and electrocardiographic patterns. Tavazzi L, et al.
Adv Cardiol 1990;37:53–66 (29 ref.)
Stress and alcohol interaction: an update of human research. Pohorecky LA. **Alcohol Clin Exp Res** 1991 Jun; 15(3):438–59 (234 ref.)
Stress, coping, and health: models of interaction for Indian and native populations. Dinges NG, et al.
Am Indian Alsk Native Ment Health Res 1988;1 MONO 1:8–55 discussion 56–64 (161 ref.)
American Indians, stress, and alcohol. Mail PD.
Am Indian Alsk Native Ment Health Res 1989;3(2):7–26 (70 ref.)
Psychoneuroimmunology: a literature review. Vollhardt LT.
Am J Orthopsychiatry 1991 Jan;61(1):35–47 (55 ref.)
Childhood traumas: an outline and overview [see comments] Terr LC. **Am J Psychiatry** 1991 Jan;148(1):10–20 (40 ref.) Comment in: Am J Psychiatry 1991 Aug;148(8):1102–3.
Social factors and psychopathology: stress, social support, and coping processes. Coyne JC, et al.
Annu Rev Psychol 1991;42:401–25 (130 ref.)
The influence of stress on psychopharmacological responses to nicotine. Balfour DJ. **Br J Addict** 1991 May;86(5):489–93 (40 ref.)
Research on stress and smoking: progress and problems. Pomerleau OF, et al. **Br J Addict** 1991 May;86(5):599–603 (28 ref.)
Coping, problem solving and stress: a framework for intervention strategies. Ostell A. **Br J Med Psychol** 1991 Mar;64 (Pt 1):11–24 (65 ref.)
Early stress and adult emotional reactivity in rhesus monkeys. Suomi SJ. **Ciba Found Symp** 1991;156:171–83; discussion 183–8 (30 ref.)
Stress and sudden death. The case of the long QT syndrome. Schwartz PJ, et al. **Circulation** 1991 Apr;83(4 Suppl):II71–80 (67 ref.)
Stressful experience and cardiorespiratory disorders. Weiner H. **Circulation** 1991 Apr;83(4 Suppl):II2–8 (39 ref.)
Work under extreme conditions. Luczak H. **Ergonomics** 1991 Jun;34(6):687–720 (44 ref.)
Gender, stress, and health. Baum A, et al.
Health Psychol 1991;10(2):80–5 (58 ref.)
Stress and psoriasis. Psychoneuroimmunologic mechanisms [published erratum appears in Int J Dermatol 1991 Apr;30(4):270] Farber EM, et al. **Int J Dermatol** 1991 Jan; 30(1):8–12 (68 ref.)
Psychosocial risk and protective factors in childhood [see comments] Pellegrini DS. **J Dev Behav Pediatr** 1990 Aug; 11(4):201–9 (87 ref.) Comment in: J Dev Behav Pediatr 1990 Aug;11(4):210–1.
The role of behavioral factors in white coat and sustained hypertension. Pickering TG, et al. **J Hypertens Suppl** 1990 Dec;8(7):S141–7 (46 ref.)
Stress and hypertension. Zimmerman RS, et al.
J Hypertens Suppl 1990 Sep;8(4):S103–7 (22 ref.)
Stress-related reproductive failure. Barnea ER, et al.
J In Vitro Fert Embryo Transf 1991 Feb;8(1):15–23 (52 ref.)
Non-ulcer dyspepsia. Morris C. **J Psychosom Res** 1991; 35(2–3):129–40 (89 ref.)
Anxiety and the human family unit: a perspective. Payne RH. **J S C Med Assoc** 1990 Sep;86(9):507–10 (4 ref.)
Psychologic factors associated with peptic ulcer disease. Schindler BA, et al. **Med Clin North Am** 1991 Jul; 75(4):865–76 (66 ref.)
Stress and hypertension--a critical review [see comments] Freeman ZS. **Med J Aust** 1990 Nov 19;153(10):621–5 (56 ref.) Comment in: Med J Aust 1991 Feb 18;154(4):291.
Stress and infectious disease in humans. Cohen S, et al.
Psychol Bull 1991 Jan;109(1):5–24 (140 ref.)
Stress, emotion, and human immune function. O'Leary A.
Psychol Bull 1990 Nov;108(3):363–82 (190 ref.)
Psychological factors affecting pulmonary and rheumatologic diseases. A review. Moran MG. **Psychosomatics** 1991 Winter;32(1):14–23 (71 ref.)
Psychological distress and quality of life in endocrine disease. Sonino N, et al. **Psychother Psychosom** 1990;54(2–3):140–4 (21 ref.)
Stress and psychologic and environmental factors in functional dyspepsia. Richter JE.
Scand J Gastroenterol Suppl 1991;182:40–6 (35 ref.)
Stress and hypertension [see comments] Mustacchi P.
West J Med 1990 Aug;153(2):180–5 (135 ref.) Comment in: West J Med 1990 Dec;153(6):663–4.
[Psychological stress and gastroduodenal ulcer] Rigaud D.
Gastroenterol Clin Biol 1990;14(10):757–65 (71 ref.) **(Fre)**
[Psyche and rheumatoid arthritis--a retrospect] Drunkenmölle C. **Z Arztl Fortbild (Jena)** 1990; 84(22):1167–9 (23 ref.) **(Ger)**
[The role of emotional stress in pathogenesis of gastrointestinal diseases and the importance of psychopharmacologic combinations in their treatment (published erratum appears in Boll Chim Farm 1990 Dec;129(12):following 329)] Pace V, et al.
Boll Chim Farm 1990 Jun;129(6):3S–9S (30 ref.) (Eng. Abstr.) **(Ita)**
[Psychosocial risk factors of ischemic heart disease] Wrześniewski K. **Przegl Lek** 1990;47(11):767–9 (36 ref.) **(Pol)**
[Current aspects of the clinical course and pathogenesis of migraine (review of the literature)] Kolosova OA, et al.
Zh Nevropatol Psikhiatr 1991;91(5):104–6 (62 ref.) **(Rus)**

DRUG THERAPY

Behavioural physiology of serotonergic and steroid-like anxiolytics as antistress drugs. Bohus B, et al.
Neurosci Biobehav Rev 1990 Winter;14(4):529–34 (71 ref.)

ETIOLOGY

Psychological disorders in rheumatoid arthritis: a growing consensus? Creed F. **Ann Rheum Dis** 1990 Oct; 49(10):808–12 (46 ref.)
The doctor's health. Under stress? Myerson S.
Practitioner 1990 Nov;234(1496):973–6 (13 ref.)
Coping with the stress on carers. Taylor J. **Practitioner** 1990 Mar 22;234(1485):300–1 (2 ref.)
[Stress of medical origin and "education" of the patient] Fontaine O, et al. **Rev Med Liege** 1990 Sep;45(9):422–32 (61 ref.) **(Fre)**
[The psychological status of women with frustrated wish for children] Rechenberger I. **Gynakologe** 1990 Aug; 23(4):222–7 (30 ref.) **(Ger)**

IMMUNOLOGY

Impact of mental stress on the immune response. Ballieux RE. **J Clin Periodontol** 1991 Jul;18(6):427–30 (39 ref.)
[Post-stress disorders of resistance of mice to recurrent infection by homologous influenza virus] Kramskaia TA, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):47–50 (16 ref.) (Eng. Abstr.) **(Rus)**

METABOLISM

Localization and modulation of brain and pituitary receptors involved in stress responses. De Souza EB.
Psychopharmacol Bull 1988;24(3):360–4 (25 ref.)
[Pathogenetic mechanisms of stress-induced aggravation of experimental influenza and its prevention] Frolov BA, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):50–4 (25 ref.) (Eng. Abstr.) **(Rus)**
[The role of lipid peroxidation in post-stress aggravation of influenza and the corrective effect od ionol] Inozemtseva LI, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):54–7 (17 ref.) (Eng. Abstr.) **(Rus)**

NURSING

Stress and anxiety. Robinson L. **Nurs Clin North Am** 1990 Dec;25(4):935–43 (24 ref.)

PHYSIOPATHOLOGY

Interleukins, signal transduction, and the immune system–mediated stress response. Eskay RL, et al.
Adv Exp Med Biol 1990;274:331–43 (60 ref.)
Central action of adrenal steroids during stress and adaptation. Reul JM, et al. **Adv Exp Med Biol** 1990; 274:243–56 (75 ref.)
Mental activity, adrenergic modulation, and cardiac arrhythmias in patients with heart disease. Coumel P, et al. **Circulation** 1991 Apr;83(4 Suppl):II58–70 (29 ref.)
What do plasma and urinary measures of catecholamines tell us about human response to stressors? Dimsdale JE, et al.
Circulation 1991 Apr;83(4 Suppl):II36–42 (47 ref.)
Ventricular responses to mental stress testing in patients with coronary artery disease. Pathophysiological implications. Rozanski A, et al. **Circulation** 1991 Apr;83(4 Suppl):II137–44 (37 ref.)
Methodology of mental stress testing in cardiovascular research. Steptoe A, et al. **Circulation** 1991 Apr;83(4 Suppl):II14–24 (97 ref.)
Autonomic nervous system and coronary blood flow changes related to emotional activation and sleep. Verrier RL, et al. **Circulation** 1991 Apr;83(4 Suppl):II81–9 (56 ref.)
Effects of opioid peptides on peripheral stimulation and "stress"-induced analgesia in animals. Bodnar RJ.
Crit Rev Neurobiol 1990;6(1):39–49 (188 ref.)
Opioid peptides and stress. Székely JI.
Crit Rev Neurobiol 1990;6(1):1–12 (124 ref.)
Psychosocial stress, personality and blood platelet behavior: implications for psychophysiologic and psychoneuroimmunologic research. Baltrusch HJ, et al.
Int J Neurosci 1990 Apr;51(3–4):237–9 (4 ref.)
The impact of elder health, caregiver involvement, and global stress on two dimensions of caregiver burden. Miller B, et al. **J Gerontol** 1991 Jan;46(1):S9–19 (41 ref.)
Stress-ethanol interaction: involvement of endogenous opioid mechanisms. Aragon CM, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):535–41 (37 ref.)
Central and peripheral benzodiazepine receptors: involvement in an organism's response to physical and psychological stress. Drugan RC, et al.
Neurosci Biobehav Rev 1991 Summer;15(2):277–98 (329 ref.)
Role of genotype in the adaptation of the brain dopamine system to stress. Puglisi-Allegra S, et al.
Neurosci Biobehav Rev 1990 Winter;14(4):523–8 (42 ref.)
The influence of stress on convulsive parameters in the mouse. Rae GA, et al. **Neurosci Biobehav Rev** 1990 Winter; 14(4):491–4 (37 ref.)
GABAergic and dopaminergic transmission in the rat cerebral cortex: effect of stress, anxiolytic and anxiogenic drugs. Biggio G, et al. **Pharmacol Ther** 1990;48(2):121–42 (190 ref.)
Cardiovascular reactivity to psychosocial stressors. A review of the effects of beta-blockade. Mills PJ, et al.
Psychosomatics 1991 Spring;32(2):209–20 (79 ref.)
[The physiological bases of preventing disorders in cardiac activity during emotional stress] Ul'ianinskiĭ LS.
Fiziol Zh SSSR 1990 Oct;76(10):1273–9 (31 ref.) **(Rus)**
[The role of the sympathetic-adrenal system in the development of hypertension. Effect of the emotional factor] Belova EV. **Kardiologiia** 1991 May;31(5):83–5 (24 ref.) **(Rus)**
[Glucocorticoid receptors in physiological states and in extreme conditions] Vorob'ev DV, et al.
Kosm Biol Aviakosm Med 1990 Nov–Dec;24(6):4–11 (92 ref.) (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Resilience and human adaptability: who rises above adversity? 1990 Eleanor Clarke Slagle Lecture. Fine SB.
Am J Occup Ther 1991 Jun;45(6):493–503 (76 ref.)
Behavioural studies in humans: anxiety, stress and smoking. Pomerleau OF, et al. **Ciba Found Symp** 1990;152:225–35; discussion 235–9 (42 ref.)

THERAPY

Scientific inquiry in childhood cancer psychosocial research. Theoretical, conceptual, and methodologic issues in the investigation and behavioral treatment of procedure-related distress. Carpenter PJ. **Cancer** 1991 Feb 1;67(3 Suppl):833–8 (31 ref.)
Stress management for athletes. Wilks B. **Sports Med** 1991 May;11(5):289–99 (99 ref.)
[Stress: a treatable cardiovascular risk factor?] Speidel H, et al. **Schweiz Rundsch Med Prax** 1990 Sep 25;79(39):1115–9 (65 ref.) (Eng. Abstr.) **(Ger)**

[Stress and kneipptherapy] Armijo Valenzuela M. **An R Acad Nac Med (Madr)** 1990;107(3):413–27 (27 ref.) **(Spa)**

STRESSFUL EVENTS see **LIFE CHANGE EVENTS**

STRIATE CORTEX see **VISUAL CORTEX**

STRIATED BORDER see **MICROVILLI**

STRIDOR see **RESPIRATORY SOUNDS**

STROKE see **CEREBROVASCULAR DISORDERS**

STROKE VOLUME

Ejection fraction revisited. Robotham JL, et al. **Anesthesiology** 1991 Jan;74(1):172–83 (55 ref.)

Left ventricular ejection fraction may not be useful as an end point of thrombolytic therapy comparative trials. Califf RM, et al. **Circulation** 1990 Nov;82(5):1847–53 (47 ref.)

Radionuclide assessment of infarct size and left ventricular function in clinical trials of thrombolysis. Cerqueira MD, et al. **Circulation** 1991 Sep;84(3 Suppl):I100–8 (42 ref.)

Influence of abnormal breathing conditions on right ventricular function. Jardin F, et al. **Intensive Care Med** 1991;17(3):129–35 (36 ref.)

[Accessory mitral tissue responsible for left ventricular outflow obstruction. Reports of 7 cases] Arnaud-Crozat E, et al. **Arch Mal Coeur** 1990 Sep;83(10):1579–82 (13 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Potential application of new imaging modalities in the measurement of cardiac volumes and characteristics. MacIntyre WJ. **Eur Heart J** 1990 Dec;11 Suppl I:133–40 (19 ref.)

[Left ventricular diastolic function. Doppler-echocardiography study] Roudaut R, et al. **Presse Med** 1991 May 18;20(19):903–7 (14 ref.) (Eng. Abstr.) **(Fre)**

[Intraoperative diagnosis—measuring heart time volume and assessment of shunts] Hagl S, et al. **Z Kardiol** 1990;79 Suppl 4:107–17 (39 ref.) (Eng. Abstr.) **(Ger)**

STROMAL DYSTROPHIES, CORNEAL see **CORNEAL DYSTROPHIES, HEREDITARY**

STRONGYLE INFECTIONS, EQUINE

PARASITOLOGY

[Epidemiology, chemotherapy, anthelmintics-resistance and prevention of Strongylidae infections in horses] Eysker M, et al. **Tijdschr Diergeneeskd** 1990 Oct 1;115(19):891–907 (89 ref.) (Eng. Abstr.) **(Dut)**

STRONGYLOIDES

Eosinophilic ascites due to hyperinfection with Strongyloides stercoralis. Lambroza A, et al. **Am J Gastroenterol** 1991 Jan;86(1):89–91 (13 ref.)

Strongyloides stercoralis. Zygmunt DJ. **Infect Control Hosp Epidemiol** 1990 Sep;11(9):495–7 (30 ref.)

STRONGYLOIDIASIS

Strongyloides stercoralis. Zygmunt DJ. **Infect Control Hosp Epidemiol** 1990 Sep;11(9):495–7 (30 ref.)

COMPLICATIONS

Disseminated strongyloidiasis in AIDS: uncommon but important. Gompels MM, et al. **AIDS** 1991 Mar;5(3):329–32 (9 ref.)

Eosinophilic ascites due to hyperinfection with Strongyloides stercoralis. Lambroza A, et al. **Am J Gastroenterol** 1991 Jan;86(1):89–91 (13 ref.)

Disseminated strongyloidiasis and other selected unusual infections in patients with the acquired immunodeficiency syndrome. Glezerov V, et al. **Prog AIDS Pathol** 1990; 2:137–42 (44 ref.)

Disseminated strongyloidiasis in AIDS and non-AIDS immunocompromised hosts: diagnosis by sputum and bronchoalveolar lavage. Kramer MR, et al. **South Med J** 1990 Oct;83(10):1226–9 (24 ref.)

PARASITOLOGY

Parasitic diseases. Other roundworms. Trichuris, hookworm, and Strongyloides. Walden J. **Prim Care** 1991 Mar; 18(1):53–74 (40 ref.)

STRONGYLOSIS, EQUINE see **STRONGYLE INFECTIONS, EQUINE**

STRONGYLUS

[Gastrointestinal strongylosis and malabsorption of nutrients] Dakkak A. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:73–6 (27 ref.) (Eng. Abstr.) **(Fre)**

STRONTIUM RADIOISOTOPES

ADMINISTRATION & DOSAGE

Treatment of keloids by 90Sr–90Y beta-rays. Supe SS, et al. **Strahlenther Onkol** 1991 Jul;167(7):397–402 (43 ref.)

ANALYSIS

[The importance of bioindicators in the evaluation of radioactive contamination] Marović G. **Arh Hig Rada Toksikol** 1990 Dec;41(4):371–8 (52 ref.) (Eng. Abstr.) **(Scr)**

THERAPEUTIC USE

The role of strontium-90 beta irradiation in the management of pterygium. Neal AJ, et al. **Clin Oncol (R Coll Radiol)** 1991 Mar;3(2):105–9 (19 ref.)

G-STROPHANTHIN see **OUABAIN**

STRUCTURAL GENES see **GENES, STRUCTURAL**

STRUCTURE-ACTIVITY RELATIONSHIP

Domains, motifs, and linkers in 2-oxo acid dehydrogenase multienzyme complexes: a paradigm in the design of a multifunctional protein. Perham RN. **Biochemistry** 1991 Sep 3;30(35):8501–12 (116 ref.)

Using theoretical descriptors in quantitative structure-activity relationships: some toxicological indices. Wilson LY, et al. **J Med Chem** 1991 May;34(5):1668–74 (35 ref.)

[The biochemical basis of pharmaceutical chemistry. 9. The effect of structure on biopharmaceutic/pharmacokinetic behavior] Nuhn P, et al. **Pharmazie** 1991 Jan;46(1):61–72 (44 ref.) **(Ger)**

STRUCTURE, MOLECULAR see **MOLECULAR STRUCTURE**

STUDENT HEALTH SERVICES

Use of isotretinoin in the college health service setting. Bercovitch L. **J Am Coll Health** 1990 Sep;39(2):83–6 (10 ref.)

STUDENTS

Abuse and neglect in schools. Sugar M. **Am J Psychother** 1990 Oct;44(4):484–98 (41 ref.)

PSYCHOLOGY

The fear of understanding schizophrenia and the avoidance of the acutely disturbed student. Karon BP. **J Am Coll Health** 1990 Sep;39(2):61–72; discussion 73–5 (55 ref.)

STUDENTS, MEDICAL

[Maximal oxygen consumption and various physiological and somatic characteristics of students of the Białystok Medical Academy 1976–1977 and 1980–1986] Kiczka K, et al. **Rocz Akad Med Bialymst** 1988–89;33–34:177–207 (84 ref.) (Eng. Abstr.) **(Pol)**

PSYCHOLOGY

Caring for medical students as patients. Lane LW, et al. **Arch Intern Med** 1990 Nov;150(11):2249–53 (52 ref.)

The evaluation of teaching in undergraduate psychiatric education: students' attitudes to psychiatry and the evaluation of clinical competency. Kelly B, et al. **Med Teach** 1991;13(1):77–87 (37 ref.)

STUDENTS, NURSING

LEGISLATION & JURISPRUDENCE

Suing programs of nursing education. Helms LB, et al. **Nurs Outlook** 1991 Jul-Aug;39(4):158–61 (28 ref.)

PSYCHOLOGY

Role conflict in student nurses: towards a positive approach for the 1990s. Shead H. **J Adv Nurs** 1991 Jun;16(6):736–40 (31 ref.)

STUTTERING

DRUG THERAPY

The pharmacology of stuttering: a critical review. Brady JP. **Am J Psychiatry** 1991 Oct;148(10):1309–16 (102 ref.)

THERAPY

Stuttering. Leung AK, et al. **Clin Pediatr (Phila)** 1990 Sep; 29(9):498–502 (19 ref.)

STYRENES

see related **POLYSTYRENES**

TOXICITY

The genetic toxicology of styrene and styrene oxide. Barale R. **Mutat Res** 1991 Mar;257(2):107–26 (122 ref.)

SUBACUTE SCLEROSING PANENCEPHALITIS

COMPLICATIONS

[Retinitis disclosing subacute sclerosing panencephalitis] Cochereau-Massin I, et al. **Bull Soc Ophtalmol Fr** 1990 May;90(5):479–81 (17 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Molecular events in measles virus infection of the central nervous system. Swoveland PT. **Int Rev Exp Pathol** 1991; 32:255–75 (85 ref.)

PHYSIOPATHOLOGY

Rapidly fatal subacute sclerosing panencephalitis in a 19-year-old man. Sie TH, et al. **Eur Neurol** 1991;31(2):94–9 (37 ref.)

SUBARACHNOID HEMORRHAGE

CEREBROSPINAL FLUID

Cerebrospinal fluid endothelin-1 and endothelin-3 levels in normal and neurosurgical patients: a clinical study and literature review. Kraus GE, et al. **Surg Neurol** 1991 Jan; 35(1):20–9 (61 ref.)

COMPLICATIONS

Cerebral angioplasty: a new treatment for vasospasm secondary to subarachnoid hemorrhage. Cook HA. **J Neurosci Nurs** 1990 Oct;22(5):319–21 (16 ref.)

Prevention and treatment of delayed ischemic dysfunction in patients with aneurysmal subarachnoid hemorrhage. Tettenborn D, et al. **Stroke** 1990 Dec;21(12 Suppl):IV85–9 (34 ref.)

[Neurogenic pulmonary edema, complication of meningeal hemorrhage: report of 4 cases] Jourdan C, et al. **Agressologie** 1990 Jun;31(6):395–403 (35 ref.) (Eng. Abstr.) **(Fre)**

[Transcranial Doppler in the evaluation of vasospasm after subarachnoid hemorrhage] Kaech DL, et al. **Neurochirurgie** 1990;36(5):279–86 (27 ref.) (Eng. Abstr.) **(Fre)**

[Terson's syndrome and intraocular complications in meningeal hemorrhages (26 cases)] Roux FX, et al. **Neurochirurgie** 1991;37(2):106–10 (15 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Headache as a warning symptom of impending aneurysmal subarachnoid haemorrhage. Ostergaard JR. **Cephalalgia** 1991 Feb;11(1):53–5 (25 ref.)

Diagnosis and management of nontraumatic subarachnoid hemorrhage in elderly patients. Loftus CM. **Clin Geriatr Med** 1991 Aug;7(3):569–82 (17 ref.)

Superficial siderosis of the central nervous system. A 37-year follow-up of a case and review of the literature. Stevens I, et al. **Eur Arch Psychiatry Clin Neurosci** 1991; 241(1):57–60 (22 ref.)

Early diagnosis of aneurysmal subarachnoid haemorrhage. Dinakar I. **J Indian Med Assoc** 1991 Jan;89(1):18–9 (11 ref.)

A case of subarachnoid hemorrhage with electrocardiographic and echocardiographic changes simulating transmural myocardial infarction. Yamaguchi T, et al. **Jpn J Med** 1991 Mar-Apr;30(2):142–5 (14 ref.)

Subarachnoid hemorrhage due to intracranial aneurysm: current management. Maurer PK, et al. **Mil Med** 1991 May; 156(5):236–9 (19 ref.)

[Meningeal hemorrhage disclosing a brain tumor in a child] Lena G, et al. **Ann Pediatr (Paris)** 1991 Mar;38(3):193–5 (10 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Calcium antagonists in the management of patients with aneurysmal subarachnoid hemorrhage: a review. Adams HP Jr. **Angiology** 1990 Nov;41(11 Pt 2):1010–6 (49 ref.)

Calcium antagonists in the management of subarachnoid haemorrhage. Robinson MJ, et al. **Cerebrovasc Brain Metab Rev** 1990 Fall;2(3):205–26 (158 ref.)

EPIDEMIOLOGY

[Epidemiology of meningeal hemorrhage caused by aneurysmal rupture (report of 600 cases)] Childs M, et al. **Agressologie** 1990 May;31(5):253–6 (10 ref.) **(Fre)**

ETIOLOGY

Mycotic (Aspergillus) arteritis resulting in fatal subarachnoid hemorrhage: a case report. Lau AH, et al. **Angiology** 1991

Mar;42(3):251–5 (14 ref.)
Aneurysm rebleeding after treatments that leave the aneurysm sac patent. Todd NV. **Br J Neurosurg** 1990; 4(5):373–9 (32 ref.)
Spontaneous dissecting aneurysms of the basilar artery presenting with a subarachnoid hemorrhage. Report of two cases. Hosoda K, et al. **J Neurosurg** 1991 Oct;75(4):628–33 (26 ref.)
Traumatic pericallosal aneurysm in a patient with no major trauma. Case report. Senegor M. **J Neurosurg** 1991 Sep; 75(3):475–7 (28 ref.)
Aspergillosis of the central nervous system causing subarachnoid hemorrhage from mycotic aneurysm of the basilar artery—case report. Iihara K, et al. **Neurol Med Chir (Tokyo)** 1990 Aug;30(8):618–23 (21 ref.)
Subarachnoid hemorrhage from multiple neurofibromas of the cauda equina: case report. Bruni P, et al. **Neurosurgery** 1991 Jun;28(6):910–3 (31 ref.)
Sickle cell disease and aneurysmal subarachnoid hemorrhage. Batjer HH, et al. **Surg Neurol** 1991 Aug;36(2):145–9 (22 ref.)
[Neurologic intensive care in a general hospital—check lists for diagnostic strategy and therapy] Dommel U. **Z Arztl Fortbild (Jena)** 1990;84(22):1149–52 (0 ref.) **(Ger)**

PHYSIOPATHOLOGY

Endothelium-dependent relaxations and chronic vasospasm after subarachnoid hemorrhage. Kim P, et al. **Blood Vessels** 1990;27(2–5):263–8 (29 ref.)
The control mechanism involved in post-subarachnoid hemorrhage vasospasm. Alvisi C, et al. **J Neurosurg Sci** 1991 Jan–Mar;35(1):1–8 (53 ref.)
Bedside monitoring in subarachnoid hemorrhage. Evoked responses, hemispheral blood flow, and flow-velocity measurements. Symon L. **Mol Chem Neuropathol** 1990 Jan; 12(1):1–9 (32 ref.)
Peptidergic innervation of the cerebral circulation. Role in subarachnoid hemorrhage in man. Edvinsson L, et al. **Neurosurg Rev** 1990;13(4):265–72 (43 ref.)
[Physiopathology of meningeal hemorrhage caused by aneurysmal rupture: extracerebral aspects] Melon E, et al. **Agressologie** 1990 May;31(5):244–51 (53 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Haemodynamic considerations in the management of patients with subarachnoid haemorrhage. Archer DP, et al. **Can J Anaesth** 1991 May;38(4 Pt 1):454–70 (115 ref.)
[Preoperative treatment of arterial spasm and preparation of the patient for surgery of intracranial aneurysm] Chacornac R. **Agressologie** 1990 Jun;31(6):315–9 (48 ref.) (Eng. Abstr.) **(Fre)**
[Current strategies for subarachnoid hemorrhage caused by aneurysm] Guridi J, et al. **Rev Med Univ Navarra** 1989 Jan–Mar;33(1):37–40 (100 ref.) (Eng. Abstr.) **(Spa)**

SUBARACHNOID PRESSURE see **INTRACRANIAL PRESSURE**

SUBARACHNOID SPACE

Factors affecting the subarachnoid spread of local anesthetic solutions. Stienstra R, et al. **Reg Anesth** 1991 Jan–Feb; 16(1):1–6 (58 ref.)

SUBCELLULAR FRACTIONS

METABOLISM

Intracellular trafficking of sterols. Billheimer JT, et al. **Subcell Biochem** 1990;16:301–31 (133 ref.)

SUBCHONDRAL CYSTS see **BONE CYSTS**

SUBCLAVIAN ARTERY

[Spontaneous rupture of subclavian artery disclosing Ehlers–Danlos disease. A case] Tron F, et al. **Presse Med** 1991 Apr 20;20(15):692–6 (18 ref.) (Eng. Abstr.) **(Fre)**
[Sternocostoclavicular hyperostosis. Apropos of a case with subclavian arteriovenous compression] Lechevalier D, et al. **Rev Rhum Mal Osteoartic** 1991 Feb;58(2):121–3 (10 ref.) **(Fre)**

ABNORMALITIES

Complications of anomalous origin of the right subclavian artery: case report and review of the literature. Akers DL Jr, et al. **Ann Vasc Surg** 1991 Jul;5(4):385–8 (19 ref.)

INJURIES

Arterial abnormalities of the shoulder in athletes. Nuber GW, et al. **Am J Sports Med** 1990 Sep–Oct;18(5):514–9 (12 ref.)

SURGERY

Modified Blalock–Taussig shunts in the treatment of tetralogy of Fallot. Rosenkranz ER. **Semin Thorac Cardiovasc Surg** 1990 Jan;2(1):27–33 (70 ref.)
[Surgical reconstruction of the proximal vertebral artery: vertebral to subclavian transposition] Ogawa A. **No Shinkei Geka** 1991 Jan;19(1):7–13 (47 ref.) **(Jpn)**

TRANSPLANTATION

Coarctation: do we need to resect ductal tissue? Jonas RA. **Ann Thorac Surg** 1991 Sep;52(3):604–7 (12 ref.)

SUBCLAVIAN STEAL SYNDROME

ETIOLOGY

Coronary-subclavian steal syndrome following coronary artery bypass grafting. Saydjari R, et al. **Cardiology** 1991; 78(1):53–7 (9 ref.)
[The vertebral-subclavian "steal" syndrome] Kandel' EI, et al. **Zh Vopr Neirokhir** 1990 Sep–Oct;(5):31–6 (111 ref.) **(Rus)**

SUBCLAVIAN VEIN

Obstructed central venous catheters. Restoring function with a 12-hour infusion of low-dose urokinase. Haire WD, et al. **Cancer** 1990 Dec 1;66(11):2279–85 (39 ref.)
Effort thrombosis of the axillosubclavian vein: a disabling vascular disorder. Machleder HI. **Compr Ther** 1991 May; 17(5):18–24 (14 ref.)
Internal mammary artery subclavian vein fistula following internal jugular vein catheterization. A case report and review of the literature. Halldorsson A, et al. **J Cardiovasc Surg (Torino)** 1991 May–Jun;32(3):376–9 (17 ref.)
Indwelling subclavian catheters and a visit with the "pinched-off sign". Lafreniere R. **J Surg Oncol** 1991 Aug; 47(4):261–4 (12 ref.)
A modification of the supraclavicular approach to the central circulation. Conroy JM, et al. **South Med J** 1990 Oct; 83(10):1178–81 (16 ref.)
[Sternocostoclavicular hyperostosis. Apropos of a case with subclavian arteriovenous compression] Lechevalier D, et al. **Rev Rhum Mal Osteoartic** 1991 Feb;58(2):121–3 (10 ref.) **(Fre)**

SUBCONSCIOUS see **UNCONSCIOUS (PSYCHOLOGY)**

SUBCORNEAL PUSTULAR DERMATOSIS see **SKIN DISEASES, VESICULOBULLOUS**

SUBCUTANEOUS EMPHYSEMA

ETIOLOGY

Iatrogenic pneumomediastinum after endodontic therapy. Nahlieli O, et al. **Oral Surg Oral Med Oral Pathol** 1991 May;71(5):618–9 (12 ref.)

SUBDURAL EMPYEMA

DIAGNOSIS

Magnetic resonance imaging and the nonoperative treatment of spinal epidural abscess. Hanigan WC, et al. **Surg Neurol** 1990 Dec;34(6):408–13 (34 ref.)

MICROBIOLOGY

[A case of Salmonella subdural empyema (first case in Japan)] Asano J, et al. **No To Hattatsu** 1990 Sep;22(5):518–9 (3 ref.) **(Jpn)**

SUBDURAL SPACE

ANATOMY & HISTOLOGY

On the question of a subdural space. Haines DE. **Anat Rec** 1991 May;230(1):3–21 (104 ref.)

SUBLINGUAL DRUG ADMINISTRATION see **ADMINISTRATION, SUBLINGUAL**

SUBLINGUAL GLAND NEOPLASMS

Sublingual papillary adenocarcinoma: a case report and review of the literature. Burgess RC, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):537–40 (18 ref.)

SUBLINGUAL REGION see **MOUTH FLOOR**

SUBMANDIBULAR GLAND

[Pleomorphic adenomas: apropos of a submaxillary location] Magremanne M, et al. **Acta Stomatol Belg** 1990 Jun; 87(2):133–9 (18 ref.) **(Fre)**

CHEMISTRY

Identification of insulin binding sites in isolated cells from rat submaxillary gland. Scacchi GE, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):189–93 (14 ref.)

SUBMANDIBULAR GLAND DISEASES

A submandibular sialolith of unusual size: a case report. Akin I, et al. **J Otolaryngol** 1991 Apr;20(2):123–5 (11 ref.)

SUBMANDIBULAR GLAND NEOPLASMS

Schwannoma of the submandibular gland. Diaz DD, et al. **Head Neck** 1991 May–Jun;13(3):239–42 (13 ref.)

CONGENITAL

Congenital tumours of the salivary gland: a case report and review. Harris MD, et al. **Histopathology** 1990 Aug; 17(2):155–7 (13 ref.)

DIAGNOSIS

Submandibular cystic hygroma resembling a plunging ranula in a neonate. Review and report of a case. Osborne TE, et al. **Oral Surg Oral Med Oral Pathol** 1991 Jan;71(1):16–20 (31 ref.)

PATHOLOGY

[Tumors of the submaxillary gland] Hamoir M, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(1):26–9 (13 ref.) (Eng. Abstr.) **(Fre)**

SUBMARINE MEDICINE

see related
SEALED CABIN ECOLOGY

SUBMAXILLARY GLAND see **SUBMANDIBULAR GLAND**

SUBMUCOUS PLEXUS

PHYSIOLOGY

[Neurophysiology of the enteric nervous system] Schemann M. **Z Gastroenterol Verh** 1991 Mar;26:234–5 (5 ref.) **(Ger)**

SUBPERIOSTEAL IMPLANTATION see **DENTAL IMPLANTATION, SUBPERIOSTEAL**

SUBSIDIES, GOVERNMENT see **FINANCING, GOVERNMENT**

SUBSIDIES, RESEARCH see **RESEARCH SUPPORT**

SUBSTANCE ABUSE

see related
DESIGNER DRUGS
DRUG AND NARCOTIC CONTROL

Anabolic steroid abuse. Landry GL, et al. **Adv Pediatr** 1990; 37:185–205 (107 ref.)
Residential therapeutic communities for female substance abusers. De Leon G, et al. **Bull N Y Acad Med** 1991 May–Jun;67(3):277–90 (35 ref.)
Drug abuse: a national policy perspective. Falco M. **Bull N Y Acad Med** 1991 May–Jun;67(3):196–206 (7 ref.)
Prosecution to enhance treatment. Goldsmith S. **Child Today** 1990 Jul–Aug;19(4):13–6, 36 (26 ref.)
Animal models of opiate, cocaine, and cannabis use. Hutchings DE, et al. **Clin Perinatol** 1991 Mar;18(1):1–22 (55 ref.)
Substance use by pregnant adolescents. Kokotailo PK, et al. **Clin Perinatol** 1991 Mar;18(1):125–38 (37 ref.)
Benzodiazepine abuse and dependence: misconceptions and facts [see comments] Farnsworth MG. **J Fam Pract** 1990 Oct;31(4):393–400 (25 ref.) Comment in: J Fam Pract 1991 Feb;32(2):127–8.
Medical and dental implications of cocaine abuse. Lee CY, et al. **J Oral Maxillofac Surg** 1991 Mar;49(3):290–3 (28 ref.)
Substance abuse. Frances RJ. **JAMA** 1991 Jun 19; 265(23):3171–2 (17 ref.)
The role of the medical review officer in the workplace. Platman SR. **Md Med J** 1990 Nov;39(11):1015–8 (14 ref.)
Cocaine effects on fetal development: a comparison of clinical and animal research findings. Dow-Edwards DL. **Neurotoxicol Teratol** 1991 May–Jun;13(3):347–52 (42 ref.)
Abuse liability of anabolic steroids and their possible role in the abuse of alcohol, morphine, and other substances. Cicero TJ, et al. **NIDA Res Monogr** 1990;102:1–28 (110 ref.)
The long-term neurobehavioral consequences of substance abuse: conceptual and methodological challenges for future research. Reed RJ, et al. **NIDA Res Monogr** 1990;101:10–56 (272 ref.)
Current patterns of drug abuse that involve smoking. Wesson DR, et al. **NIDA Res Monogr** 1990;99:5–11 (4 ref.)
Animal models of drug self-administration by smoking. Wood RW. **NIDA Res Monogr** 1990;99:159–71 (48 ref.)
Clinical-behavioral observations of the long-term effects of drug abuse. Woody GE, et al. **NIDA Res Monogr** 1990; 101:71–85 (18 ref.)
A review of the literature on cocaine abuse in pregnancy. Lindenberg CS, et al. **Nurs Res** 1991 Mar–Apr;40(2):69–75 (46 ref.)
Substance abuse in women. Cyr MG, et al. **Obstet Gynecol Clin North Am** 1990 Dec;17(4):905–25 (102 ref.)

Methamphetamine. Stimulant of the 1990s? Derlet RW, et al. **West J Med** 1990 Dec;153(6):625–8 (46 ref.)
[Abuse of megadoses of vitamins] Arroyave G. **Arch Latinoam Nutr** 1988 Sep;38(3):589–98 (54 ref.) (Eng. Abstr.) **(Spa)**
[Causes and medical effects of cocaine abuse] Barroso-Moguel R, et al. **Gac Med Mex** 1990 Nov–Dec; 126(6):513–8 (47 ref.) (Eng. Abstr.) **(Spa)**
[MDMA ("ecstasy"): a currently used drug in Spain] Prat A, et al. **Rev Clin Esp** 1991 Feb;188(2):106–8 (23 ref.) **(Spa)**

COMPLICATIONS

Cocaine-induced heart diseases. Rezkalla SH, et al. **Am Heart J** 1990 Dec;120(6 (Pt 1)):1403–8 (86 ref.)
Neurologic complications of cocaine abuse. Spivey WH, et al. **Ann Emerg Med** 1990 Dec;19(12):1422–8 (81 ref.)
Cardiac complications of cocaine abuse. Isner JM, et al. **Annu Rev Med** 1991;42:133–8 (16 ref.)
Cocaine and rhabdomyolysis: report of a case and review of the literature. Flaque-Coma J. **Bol Asoc Med P R** 1990 Sep;82(9):423–4 (16 ref.)
Scientific foundation of clinical practice: opiate use in pregnant women. Finnegan LP, et al. **Bull N Y Acad Med** 1991 May–Jun;67(3):223–39 (20 ref.)
Cardiovascular effects of alcohol, cocaine, and acquired immune deficiency. Brown J, et al. **Cardiovasc Clin** 1991; 21(3):341–76 (194 ref.)
Drug-induced colonic pseudo-obstruction. Report of a case. Ohri SK, et al. **Dis Colon Rectum** 1991 Apr;34(4):347–51 (51 ref.)
Drug-induced psychoses. Hurlbut KM. **Emerg Med Clin North Am** 1991 Feb;9(1):31–52 (49 ref.)
Pregnancy, abruptio placentae and cocaine. Norman B, et al. **Indiana Med** 1990 Sep;83(9):634–9 (13 ref.)
Populations at increased risk of HIV infection: current knowledge and limitations. Gibbs DA, et al. **J Acquir Immune Defic Syndr** 1991;4(9):881–9 (30 ref.)
Substance use and misuse in childhood and adolescence. Farrell M, et al. **J Child Psychol Psychiatry** 1991 Jan; 32(1):109–28 (135 ref.)
Cocaine: a primer for providers of perinatal care. Holland JG, et al. **J Miss State Med Assoc** 1990 Sep;31(9):287–93 (10 ref.)
Eating disorders: a primer for the substance abuse specialist. 2. Theories of etiology, treatment approaches, and considerations during co-morbidity with substance abuse. Katz JL. **J Subst Abuse Treat** 1990;7(4):211–7 (25 ref.)
Eating disorders: a primer for the substance abuse specialist: 1. Clinical features. Katz JL. **J Subst Abuse Treat** 1990; 7(3):143–9 (15 ref.)
Lung disorders due to drug abuse. McCarroll KA, et al. **J Thorac Imaging** 1991 Jan;6(1):30–5 (41 ref.)
Substance abuse-related spontaneous bladder rupture: report of 2 cases and review of the literature. Marshall GA, et al. **J Urol** 1991 Jan;145(1):135–7 (24 ref.)
Maternal substance use and subsequent sudden infant death syndrome (SIDS) in offspring. Kandall SR, et al. **Neurotoxicol Teratol** 1991 Mar–Apr;13(2):235–40 (45 ref.)
Morphine-induced immune modulation: does it predispose to HIV infection? Arora PK. **NIDA Res Monogr** 1990; 96:150–65 (37 ref.)
Chronic wounds and delusions of parasitosis in the drug abuser. Marschall MA, et al. **Plast Reconstr Surg** 1991 Aug; 88(2):328–30 (19 ref.)
Cocaine-induced myocardial infarction. A growing threat to men in their 30s. Amin M, et al. **Postgrad Med** 1991 Sep 15;90(4):50–5 (37 ref.)
Lymph nodes in HIV-positive drug abusers with persistent generalized lymphadenopathy: histology, immunohistochemistry, and pathogenetic correlations. Baroni CD, et al. **Prog AIDS Pathol** 1990;2:33–50 (47 ref.)
The consequences of maternal substance abuse for the child exposed in utero. McCance-Katz EF. **Psychosomatics** 1991 Summer;32(3):268–74 (36 ref.)
Crack, sex, and STD. Marx R, et al. **Sex Transm Dis** 1991 Apr–Jun;18(2):92–101 (84 ref.)
[Headache caused by analgesic and/or ergotamine abuse] Panconesi A, et al. **Clin Ter** 1991 May 15;137(3):169–83 (66 ref.) (Eng. Abstr.) **(Ita)**
[Cardiovascular complications induced by cocaine abuse] de Oliveira Júnior W, et al. **Arq Bras Cardiol** 1990 Aug; 55(2):129–31 (20 ref.) **(Por)**
[Peripheral neuropathy by chronic deliberate inhalation of benzine (n-hexane). A case report and review of the literature] Malbergier A. **Rev Paul Med** 1990 May–Jun; 108(3):142–4 (7 ref.) (Eng. Abstr.) **(Por)**

DIAGNOSIS

Introduction to the forensic pathology of cocaine. Karch SB. **Am J Forensic Med Pathol** 1991 Jun;12(2):126–31 (74 ref.)
The antisocial personality disorder diagnosis in substance abusers: problems and issues. Alterman AI, et al. **J Nerv Ment Dis** 1991 Jul;179(7):401–9 (66 ref.)
The nosology of abuse and dependence. Kleber HD. **J Psychiatr Res** 1990;24 Suppl 2:57–64 (22 ref.)
Identifying and responding to drug abuse in the workplace: an overview. Seymour RB, et al. **J Psychoactive Drugs** 1990 Oct–Dec;22(4):383–405 (32 ref.)
Anabolic steroids—a review of the clinical toxicology and diagnostic screening. Narducci WA, et al. **J Toxicol Clin Toxicol** 1990;28(3):287–310 (87 ref.)
Assessing substance abuse and other psychiatric disorders: history of problems, state of affairs. Robins L. **NIDA Res Monogr** 1991;105:203–12 (7 ref.)

DRUG THERAPY

Detoxification considerations in the medical management of substance abuse in pregnancy. Allen MH. **Bull N Y Acad Med** 1991 May–Jun;67(3):270–6 (15 ref.)
Acute pain and substance abuse in surgical patients. Tucker C. **J Neurosci Nurs** 1990 Dec;22(6):339–49 (32 ref.)
Antidepressant for substance-abusing schizophrenic patients: a minireview. Siris SG, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1991; 15(1):1–13 (58 ref.)

EPIDEMIOLOGY

Abuse, addiction, tolerance, and dependence to benzodiazepines in medical and nonmedical populations. Miller NS, et al. **Am J Drug Alcohol Abuse** 1991;17(1):27–37 (50 ref.)
Drug use in pregnancy: obstetric perspectives. Evans AT, et al. **Clin Perinatol** 1991 Mar;18(1):23–32 (46 ref.)
Drug abuse and public health. A global perspective. Senay EC. **Drug Saf** 1991;6 Suppl 1:1–65 (175 ref.)
Is there an epidemic of drug misuse in Brazil? A review of the epidemiologic evidence (1977–1988). de Almeida-Filho N, et al. **Int J Addict** 1991 Mar;26(3):355–69 (40 ref.)
Hispanics and illicit drug use: a review of recent findings. De La Rosa MR, et al. **Int J Addict** 1990 Jun;25(6):665–91 (52 ref.)
The American drug panic of the 1980s: social construction or objective threat? Goode E. **Int J Addict** 1990 Sep; 25(9):1083–98 (65 ref.)
Ethnic specification, validation prospects, and the future of drug use research. Trimble JE. **Int J Addict** 1990–91; 25(2A):149–68; discussion 168–70 (38 ref.)
Alcohol and drug problems in Czechoslovakia. Nerad J, et al. **J Subst Abuse Treat** 1991;8(1–2):83–8 (26 ref.)
Incidence of the nonmedical use of anabolic-androgenic steroids. Yesalis CE, et al. **NIDA Res Monogr** 1990; 102:97–112 (51 ref.)
[Use of alcohol and narcotics among Danish adolescents in the 1980's] Nielsen HW, et al. **Ugeskr Laeger** 1991 Apr 22;153(17):1189–93 (17 ref.) (Eng. Abstr.) **(Dan)**
[Alcohol and drug problems in the Third World] Mork T. **Tidsskr Nor Laegeforen** 1991 Jun 10;111(15):1855–7 (16 ref.) (Eng. Abstr.) **(Nor)**
[Problems with narcotics at the workplace] Knutsson A. **Lakartidningen** 1990 Oct 31;87(44):3585–6, 3591 (19 ref.) **(Swe)**

ETHNOLOGY

Ethnicity and alcohol/drug use revisited: a framework for future research. Cheung YW. **Int J Addict** 1990–91; 25(5A–6A):581–605 (100 ref.)
Orthogonal cultural identification theory: the cultural identification of minority adolescents. Oetting ER, et al. **Int J Addict** 1990–91;25(5A–6A):655–85 (40 ref.)

ETIOLOGY

Addictive behaviors and benzodiazepines: 2. Are there differences between benzodiazepines in potential for physical dependence and abuse liability? Senay EC. **Adv Alcohol Subst Abuse** 1990;9(3–4):53–64 (38 ref.)
Benzodiazepines: abuse and new use. Warneke LB. **Can J Psychiatry** 1991 Apr;36(3):194–205 (126 ref.)
Testing the abuse liability of anxiolytic and hypnotic drugs in humans. de Wit H, et al. **Drug Alcohol Depend** 1991 Jun;28(1):83–111 (80 ref.)
Assessment of abuse liability of stimulant drugs in humans: a methodological survey. Foltin RW, et al. **Drug Alcohol Depend** 1991 Jun;28(1):3–48 (190 ref.)
Abuse liability studies of opioid agonist-antagonists in humans. Preston KL, et al. **Drug Alcohol Depend** 1991 Jun; 28(1):49–82 (65 ref.)
Relative abuse liability of different benzodiazepines in drug abusers. Griffiths RR, et al. **J Clin Psychopharmacol** 1990 Aug;10(4):237–43 (35 ref.)
The benzodiazepines as drugs of abuse. Cole JO, et al. **J Psychiatr Res** 1990;24 Suppl 2:135–44 (30 ref.)

GENETICS

Genetics of responses to drugs of abuse. Shuster L. **Int J Addict** 1990–91;25(1A):57–79 (110 ref.)
Genetic influences in human substance abuse. Pickens RW, et al. **J Addict Dis** 1991;10(1–2):205–13 (20 ref.)
Methodological issues in genetic studies of human substance abuse. Svikis DS, et al. **J Addict Dis** 1991;10(1–2):215–28 (18 ref.)

METABOLISM

Clinical pharmacology of inhaled drugs of abuse: implications in understanding nicotine dependence. Benowitz NL. **NIDA Res Monogr** 1990;99:12–29 (21 ref.)
Synaptic regulation of the enkephalin gene and transcription factors in vivo: possible roles in drug abuse. Uhl GR, et al. **NIDA Res Monogr** 1991;105:123–9 (19 ref.)
Metabolic studies of drugs of abuse. Volkow ND, et al. **NIDA Res Monogr** 1991;105:47–53 (25 ref.)
[Molecular neurobiological research in the fight against drug abuse] Terenius L. **Lakartidningen** 1991 Jul 24; 88(30–31):2526–30 (22 ref.) (Eng. Abstr.) **(Swe)**

NURSING

Fetal and neonatal effects of maternal cocaine use. Peters H, et al. **J Obstet Gynecol Neonatal Nurs** 1991 Mar–Apr; 20(2):121–6 (23 ref.)
An opinion piece: the consensus conference. Felton G. **J Prof Nurs** 1991 May–Jun;7(3):184–7 (4 ref.)
Recreational drugs. Societal and professional issues. Solari-Twadell PA. **Nurs Clin North Am** 1991 Jun; 26(2):499–509 (13 ref.)

PHYSIOPATHOLOGY

Substance abuse and cerebral blood flow. Mathew RJ, et al. **Am J Psychiatry** 1991 Mar;148(3):292–305 (138 ref.)
Neurosciences research. Finding the key to alcohol abuse and alcoholism. Gordis E. **Neuropsychopharmacology** 1990 Oct–Dec;3(5–6):311–4 (0 ref.)
The pharmacology of cocaine smoking in humans. Jones RT. **NIDA Res Monogr** 1990;99:30–41 (16 ref.)
Persisting neurotoxic consequences of solvent abuse: a developing animal model for toluene-induced neurotoxicity. Pryor GT. **NIDA Res Monogr** 1990; 101:156–66 (27 ref.)
Why evaluate for residual drug effects. Spencer JW. **NIDA Res Monogr** 1990;101:1–9 (11 ref.)

PREVENTION & CONTROL

Adolescent substance abuse: practice implications. Wodarski JS. **Adolescence** 1990 Fall;25(99):667–88 (80 ref.)
Preventive strategies in education: history, current practices, and future trends regarding substance abuse and pregnancy prevention. Sowers JG. **Bull N Y Acad Med** 1991 May–Jun; 67(3):256–69 (4 ref.)
Medical education for alcohol and other drug abuse in the United States. Lewis DC. **Can Med Assoc J** 1990 Nov 15; 143(10):1091–6 (22 ref.)
Drug abuse and its clinical implications with special reference to Nigeria. Abiodun OA. **Cent Afr J Med** 1991 Jan; 37(1):24–30 (43 ref.)
The social epidemiology of international drug trafficking: comparison of source of supply and distribution networks. Montagne M. **Int J Addict** 1990 May;25(5):557–77 (90 ref.)
Drugs of abuse testing. Coffman NB, et al. **J Am Osteopath Assoc** 1991 Apr;91(4):385–8, 395–6 (0 ref.)
Computer-assisted strategies for substance abuse prevention: opportunities and barriers. Orlandi MA, et al. **J Consult Clin Psychol** 1990 Aug;58(4):425–31 (43 ref.)
Preventing drug use in adolescents through media interventions. Schilling RF, et al. **J Consult Clin Psychol** 1990 Aug;58(4):416–24 (63 ref.)
Screening for psychiatric and substance abuse disorders in clinical practice. Ford DE, et al. **J Gen Intern Med** 1990 Sep–Oct;5(5 Suppl):S37–41 (30 ref.)
Drug abuse in the United States. Strategies for prevention. **JAMA** 1991 Apr 24;265(16):2102–7 (53 ref.)
Preventing substance abuse as an integral part of worksite health promotion. Cook RF, et al. **Occup Med** 1990 Oct–Dec;5(4):725–38 (33 ref.)
Traditions and innovations: a community-based approach to substance abuse prevention. Parker L, et al. **R I Med J** 1991 Jun;74(6):281–6 (17 ref.)

PSYCHOLOGY

Substance abuse and panic-related anxiety: a critical review. Cox BJ, et al. **Behav Res Ther** 1990;28(5):385–93 (69 ref.)
Disabilities, developmental handicaps, and substance misuse: a review. Moore D, et al. **Int J Addict** 1991 Jan;26(1):65–90 (90 ref.)
Animal models for assessing drugs of abuse. Brady JV. **Neurosci Biobehav Rev** 1991 Spring;15(1):35–43 (81 ref.)
Summary thoughts about drugs and violence. Collins JJ. **NIDA Res Monogr** 1990;103:265–75 (23 ref.)
Biological evaluation of compounds for their physical dependence potential and abuse liability. XIV. Animal Testing Committee of the Committee on Problems of Drug Dependence, Inc. (1990). Jacobson AE. **NIDA Res Monogr** 1991;105:622–39 (7 ref.)
The interrelationships between alcohol and drugs and family violence. Miller BA. **NIDA Res Monogr** 1990;103:177–207 (86 ref.)
Gangs, drugs, and violence. Moore J. **NIDA Res Monogr** 1990;103:160–76 (35 ref.)
Abstinence symptomatology and neuropsychological impairment in chronic cocaine abusers. O'Malley SS, et al. **NIDA Res Monogr** 1990;101:179–90 (30 ref.)
Nathan B. Eddy Memorial Award Lecture. Schuster CR. **NIDA Res Monogr** 1991;105:6–19 (30 ref.)
Indications of psychological dependence among anabolic-androgenic steroid abusers. Yesalis CE, et al. **NIDA Res Monogr** 1990;102:196–214 (67 ref.)
Caffeine as a model drug of abuse. Holtzman SG. **Trends Pharmacol Sci** 1990 Sep;11(9):355–6 (19 ref.)

REHABILITATION

Postgraduate medical fellowship training in alcoholism and drug abuse: national consensus standards. Galanter M, et al. **Am J Drug Alcohol Abuse** 1991;17(1):1–12 (7 ref.)

Effectiveness of the Transcendental Meditation program in preventing and treating substance misuse: a review. Gelderloos P, et al. **Int J Addict** 1991 Mar;26(3):293–325 (100 ref.)

A practical approach to benzodiazepine discontinuation. DuPont RL. **J Psychiatr Res** 1990;24 Suppl 2:81–90 (26 ref.)

The unique treatment needs of female substance abusers in correctional institutions: the obligation of the criminal justice system to provide parity of services. Yang SS. **Med Law** 1990;9(4):1018–27 (33 ref.)

THERAPY

Critical aspects of the psychodynamics of substance abuse and the evaluation of their application to a psychotherapeutic approach. Kaufman E. **Int J Addict** 1990–91;25(2A):97–114; discussion 115–6 (33 ref.)

Case management in addictions treatment. Graham K, et al. **J Subst Abuse Treat** 1990;7(3):181–8 (30 ref.)

Creating integrated programs for severely mentally ill persons with substance disorders. Ridgely MS. **New Dir Ment Health Serv** 1991 Summer;(50):29–41 (19 ref.)

Methodology: what are the design issues involved in the defined research priorities? Beutler LE. **NIDA Res Monogr** 1990;104:105–18 (15 ref.)

Therapist effects in the treatment of drug dependence: implications for conducting comparative treatment studies. Crits-Christoph P, et al. **NIDA Res Monogr** 1990;104:39–49 (17 ref.)

Attrition in substance abuse comparative treatment research: the illusion of randomization. Howard KI, et al. **NIDA Res Monogr** 1990;104:66–79 (26 ref.)

SUBSTANCE ABUSE DETECTION

Medicines and drug testing in the workplace. DuPont RL. **J Psychoactive Drugs** 1990 Oct–Dec;22(4):451–9 (28 ref.)

Chemical dependency and drug testing in the workplace. Osterloh JD, et al. **J Psychoactive Drugs** 1990 Oct–Dec; 22(4):407–17 (57 ref.)

Identifying and responding to drug abuse in the workplace: an overview. Seymour RB, et al. **J Psychoactive Drugs** 1990 Oct–Dec;22(4):383–405 (32 ref.)

Drug testing in the workplace. Osterloh J. **Occup Med** 1990 Jul–Sep;5(3):617–32 (62 ref.)

ADVERSE EFFECTS

Acute water intoxication as a complication of urine drug testing in the workplace [see comments] Klonoff DC, et al. **JAMA** 1991 Jan 2;265(1):84–5 (27 ref.) Comment in: JAMA 1991 May 22–29;265(20):2672.

LEGISLATION & JURISPRUDENCE

Drug testing: medical, legal, and ethical issues. Miller NS, et al. **J Subst Abuse Treat** 1990;7(4):239–44 (33 ref.)

METHODS

Drugs of abuse testing. Coffman NB, et al. **J Am Osteopath Assoc** 1991 Apr;91(4):385–8, 395–6 (0 ref.)

Drug-testing methods and reliability. Fretthold DW. **J Psychoactive Drugs** 1990 Oct–Dec;22(4):419–28 (16 ref.)

STANDARDS

The medical review officer and workplace drug testing. Clark HW. **J Psychoactive Drugs** 1990 Oct–Dec;22(4):435–45 (12 ref.)

The medical review officer. Macdonald DI. **J Psychoactive Drugs** 1990 Oct–Dec;22(4):429–34 (8 ref.)

SUBSTANCE ABUSE, INTRAVENOUS

Drug sharing among intravenous drug users [letter] Inciardi JA, et al. **AIDS** 1991 Jun;5(6):772–3 (11 ref.)

AIDS and drugs in Amsterdam: prevention measures. Buning E. **Antibiot Chemother** 1991;43:37–44 (8 ref.)

HIV disease in the intravenous drug user: role of the primary care physician. Wartenberg AA. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S35–40 (41 ref.)

COMPLICATIONS

HIV and harm reduction for injection drug users. Brettle RP. **AIDS** 1991 Feb;5(2):125–36 (141 ref.)

Acute aortic occlusion secondary to Aspergillus endocarditis in an intravenous drug abuser. Light JT Jr, et al. **Ann Vasc Surg** 1991 May;5(3):271–5 (14 ref.)

Drug addiction and AIDS. Cargnel A, et al. **Antibiot Chemother** 1991;43:45–54 (38 ref.)

Kaposi's sarcoma in Italy, a country with intravenous drug users as the main group affected by HIV infection. Tirelli U, et al. **Antibiot Chemother** 1991;43:115–23 (10 ref.)

Prognostic factors in patients with IVDA and bacteremia. Arizmendi A, et al. **Bol Asoc Med P R** 1990 Sep;82(9):412–5 (5 ref.)

Drug abuse and AIDS: causes for the connection. Donahoe RM. **NIDA Res Monogr** 1990;96:181–91 (28 ref.)

Perspectives on infection with HIV-1 among intravenous drug users. Vlahov D, et al. **Psychopharmacol Bull** 1988; 24(3):325–9 (45 ref.)

Pulmonary complications of intravenous drug misuse. 2. Infective and HIV related complications. Hind CR. **Thorax** 1990 Dec;45(12):957–61 (90 ref.)

Pulmonary complications of intravenous drug misuse. 1. Epidemiology and non-infective complications. Hind CR. **Thorax** 1990 Nov;45(11):891–8 (88 ref.)

[Severe infections in parenteral drug addicts] Lozano F, et al. **Enferm Infecc Microbiol Clin** 1989;7 Suppl 1:41–9 (57 ref.) **(Spa)**

EPIDEMIOLOGY

[AIDS and HIV infection in intravenous drug addicts in the Federal Republic of Germany] Stark K, et al. **Dtsch Med Wochenschr** 1991 May 31;116(22):863–9 (44 ref.) **(Ger)**

PREVENTION & CONTROL

Community prevention efforts to reduce the spread of AIDS associated with intravenous drug abuse. Leukefeld CG, et al. **AIDS Educ Prev** 1990 Fall;2(3):235–43 (18 ref.)

PSYCHOLOGY

Substance abuse and AIDS: the need for mental health services. Batki SL. **New Dir Ment Health Serv** 1990 Winter; (48):55–67 (35 ref.)

REHABILITATION

Buprenorphine: beyond methadone? Rosen MI, et al. **Hosp Community Psychiatry** 1991 Apr;42(4):347–9 (12 ref.)

Compulsory treatment for drug abuse. Leukefeld CG, et al. **Int J Addict** 1990 Jun;25(6):621–40 (35 ref.)

[Treatment of drug-dependent patients with methadone. 2: AIDS prevention by drug substitution?] Böcker FM. **Fortschr Med** 1991 Feb 20;109(5):132–5 (41 ref.) (Eng. Abstr.) **(Ger)**

SUBSTANCE ABUSE TESTING see **SUBSTANCE ABUSE DETECTION**

SUBSTANCE DEPENDENCE

Drug dependence and pregnancy: antenatal and intrapartum problems. Kliman L. **Anaesth Intensive Care** 1990 Aug; 18(3):358–60 (9 ref.)

Chronic benzodiazepine administration: from the patient to the gene. Miller LG. **J Clin Pharmacol** 1991 Jun;31(6):492–5 (20 ref.)

Benzodiazepine abuse and dependence: misconceptions and facts [see comments] Farnsworth MG. **J Fam Pract** 1990 Oct;31(4):393–400 (25 ref.) Comment in: J Fam Pract 1991 Feb;32(2):127–8.

Physician addiction to pharmaceuticals: personal history, practice setting, access to drugs, and recovery. Wright C 4th. **Md Med J** 1990 Nov;39(11):1021–5 (20 ref.)

Cocaine effects on fetal development: a comparison of clinical and animal research findings. Dow-Edwards DL. **Neurotoxicol Teratol** 1991 May–Jun;13(3):347–52 (42 ref.)

Tranquillisers and health care in crisis. Gabe J, et al. **Soc Sci Med** 1991;32(4):449–54 (48 ref.)

'Addiction' phenomenon. Neill JR. **South Med J** 1991 Aug; 84(8):1003–6 (50 ref.)

[Can one become dependent on sugar?] Pudel V. **Z Ernahrungswiss** 1990;29 Suppl 1:62–6 (13 ref.) (Eng. Abstr.) **(Ger)**

[List of abuse substances most requested by drug addicts, particularly in reference to the Alexandria province. Notes for the general practitioner] Torregiani F, et al. **Minerva Med** 1990 Jul–Aug;81(7–8 Suppl):155–9 (6 ref.) (Eng. Abstr.) **(Ita)**

[Effects of drug consumption on the newborn] Gallart Catalá A. **An Esp Pediatr** 1990 Nov;33 Suppl 43:234–41 (63 ref.) **(Spa)**

COMPLICATIONS

Dual diagnoses: psychiatric syndromes in alcoholism and drug addiction. Miller NS, et al. **Am Fam Physician** 1991 Jun;43(6):2071–6 (27 ref.)

Cocaine-induced heart diseases. Rezkalla SH, et al. **Am Heart J** 1990 Dec;120(6 (Pt 1)):1403–8 (86 ref.)

The contribution of impurities to the acute morbidity of illegal drug use. Shesser R, et al. **Am J Emerg Med** 1991 Jul;9(4):336–42 (130 ref.)

Perinatal effects of cocaine and amphetamine use during pregnancy. Kandall SR. **Bull N Y Acad Med** 1991 May–Jun;67(3):240–55 (48 ref.)

Cocaine and pregnancy: clinical and methodologic issues. Chasnoff IJ. **Clin Perinatol** 1991 Mar;18(1):113–23 (30 ref.)

Developmental pathogenesis of defects associated with prenatal cocaine exposure: fetal vascular disruption. Jones KL. **Clin Perinatol** 1991 Mar;18(1):139–46 (24 ref.)

Cardiovascular complications of cocaine. Isner JM, et al. **Curr Probl Cardiol** 1991 Feb;16(2):89–123 (80 ref.)

Substance use and misuse in childhood and adolescence. Farrell M, et al. **J Child Psychol Psychiatry** 1991 Jan; 32(1):109–28 (135 ref.)

Thinking about stopping treatment for panic disorder. DuPont RL. **J Clin Psychiatry** 1990 Dec;51 Suppl A:38–45 (45 ref.)

The presentation and treatment of acute cocaine intoxication: experience of a teaching hospital. Burns MV, et al. **J Ky Med Assoc** 1990 Nov;88(11):604–7 (17 ref.)

Maternal cocaine addiction and fetal behavioral state. I: A human model for the study of sudden infant death syndrome. Gingras JL, et al. **Med Hypotheses** 1990 Dec; 33(4):227–30 (39 ref.)

Maternal cocaine addiction. II: An animal model for the study of brainstem mechanisms operative in sudden infant death syndrome. Gingras JL, et al. **Med Hypotheses** 1990 Dec;33(4):231–4 (32 ref.)

Multiple addictions: co-synchronous use of alcohol and drugs. Miller NS, et al. **N Y State J Med** 1990 Dec; 90(12):596–600 (20 ref.)

Dual diagnosis of major mental illness and substance disorder: an overview. Drake RE, et al. **New Dir Ment Health Serv** 1991 Summer;(50):3–12 (55 ref.)

The consequences of maternal substance abuse for the child exposed in utero. McCance-Katz EF. **Psychosomatics** 1991 Summer;32(3):268–74 (36 ref.)

[Multiple organ complications in cocaine poisoning] Guerin JM, et al. **Rev Med Interne** 1989 Nov–Dec;10(6):561–2 (9 ref.) **(Fre)**

[Ocular infections in drug addiction: the microbiological characteristics and diagnostic difficulties] Moreno Montañes J, et al. **An Med Interna** 1990 Aug;7(8):428–31 (26 ref.) **(Spa)**

[Infective endocarditis in drug addict patients] Botas Rodriguez J, et al. **Rev Esp Cardiol** 1990 Aug–Sep; 43(7):477–91 (125 ref.) **(Spa)**

DIAGNOSIS

Drug and alcohol dependence and psychiatric populations: the need for diagnosis, intervention, and training. Miller NS, et al. **Compr Psychiatry** 1991 May–Jun;32(3):268–76 (82 ref.)

The diagnosis of drug dependence by primary care providers. Shine D. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S32–4 (17 ref.)

The nosology of abuse and dependence. Kleber HD. **J Psychiatr Res** 1990;24 Suppl 2:57–64 (22 ref.)

Chemical dependency and drug testing in the workplace. Osterloh JD, et al. **J Psychoactive Drugs** 1990 Oct–Dec; 22(4):407–17 (57 ref.)

Benzodiazepines and the elderly. A review of potential problems. Closser MH. **J Subst Abuse Treat** 1991; 8(1–2):35–41 (50 ref.)

Addiction to and dependence on benzodiazepines. Diagnostic confusion in clinical practice and research studies. Miller NS, et al. **J Subst Abuse Treat** 1991;8(1–2):61–7 (60 ref.)

Assessment of comorbid psychiatric illness and substance disorders. Kofoed L. **New Dir Ment Health Serv** 1991 Summer;(50):43–55 (34 ref.)

DRUG THERAPY

[Psychotropic effect of clonidine--the role of alpha 2 adrenergic receptors in the pathogenesis of mental disorders] Kasperowicz-Dąbrowiecka A, et al. **Psychiatr Pol** 1990 Mar–Apr;24(2):151–9 (40 ref.) **(Pol)**

EPIDEMIOLOGY

Abuse, addiction, tolerance, and dependence to benzodiazepines in medical and nonmedical populations. Miller NS, et al. **Am J Drug Alcohol Abuse** 1991;17(1):27–37 (50 ref.)

Crack cocaine use: a review of prevalence and adverse effects. Smart RG. **Am J Drug Alcohol Abuse** 1991; 17(1):13–26 (40 ref.)

Alcohol and drug dependence among the elderly: epidemiology, diagnosis, and treatment. Miller NS, et al. **Compr Psychiatry** 1991 Mar–Apr;32(2):153–65 (26 ref.)

Is there an epidemic of drug misuse in Brazil? A review of the epidemiologic evidence (1977–1988). de Almeida-Filho N, et al. **Int J Addict** 1991 Mar;26(3):355–69 (40 ref.)

Hispanics and illicit drug use: a review of recent findings. De La Rosa MR, et al. **Int J Addict** 1990 Jun;25(6):665–91 (52 ref.)

The American drug panic of the 1980s: social construction or objective threat? Goode E. **Int J Addict** 1990 Sep; 25(9):1083–98 (65 ref.)

Alcohol and drug problems in Czechoslovakia. Nerad J, et al. **J Subst Abuse Treat** 1991;8(1–2):83–8 (26 ref.)

[Alcohol and drug problems in the Third World] Mork T. **Tidsskr Nor Laegeforen** 1991 Jun 10;111(15):1855–7 (16 ref.) (Eng. Abstr.) **(Nor)**

[Problems with narcotics at the workplace] Knutsson A. **Lakartidningen** 1990 Oct 31;87(44):3585–6, 3591 (19 ref.) **(Swe)**

ETHNOLOGY

Ethnicity and alcohol/drug use revisited: a framework for future research. Cheung YW. **Int J Addict** 1990–91; 25(5A–6A):581–605 (100 ref.)

ETIOLOGY

Addictive behaviors and benzodiazepines: 2. Are there differences between benzodiazepines in potential for physical dependence and abuse liability? Senay EC. **Adv Alcohol Subst Abuse** 1990;9(3–4):53–64 (38 ref.)

Testing the abuse liability of anxiolytic and hypnotic drugs in humans. de Wit H, et al. **Drug Alcohol Depend** 1991 Jun;28(1):83–111 (80 ref.)

Assessment of abuse liability of stimulant drugs in humans:

a methodological survey. Foltin RW, et al. **Drug Alcohol Depend** 1991 Jun;28(1):3–48 (190 ref.)
Abuse liability studies of opioid agonist-antagonists in humans. Preston KL, et al. **Drug Alcohol Depend** 1991 Jun; 28(1):49–82 (65 ref.)
Tranylcypromine addiction: a case report and review. Briggs NC, et al. **J Clin Psychiatry** 1990 Oct;51(10):426–9 (24 ref.)
Relative abuse liability of different benzodiazepines in drug abusers. Griffiths RR, et al. **J Clin Psychopharmacol** 1990 Aug;10(4):237–43 (35 ref.)
The benzodiazepines as drugs of abuse. Cole JO, et al. **J Psychiatr Res** 1990;24 Suppl 2:135–44 (30 ref.)
Alprazolam and diazepam: addiction potential. Juergens S. **J Subst Abuse Treat** 1991;8(1–2):43–51 (90 ref.)
Benzodiazepines: a major problem. Introduction. Miller NS, et al. **J Subst Abuse Treat** 1991;8(1–2):3–7 (39 ref.)
[Medical problems caused by cocaine] Urrutia A, et al. **Med Clin (Barc)** 1991 Feb 9;96(5):189–93 (49 ref.) **(Spa)**
[Abuse potential of benzodiazepines. Sensible use means continuous follow-up] Bergman U, et al. **Lakartidningen** 1990 Dec 19;87(51–52):4401–3 (20 ref.) **(Swe)**

GENETICS

Genetics of responses to drugs of abuse. Shuster L. **Int J Addict** 1990–91;25(1A):57–79 (110 ref.)
Issues surrounding the assessment of the genetic determinants of drugs as reinforcing stimuli. Carney JM, et al. **J Addict Dis** 1991;10(1–2):163–77 (40 ref.)
Biochemical genetic differences in vulnerability to drug effects: is statistically significant always physiologically important and vice versa? Ritz MC. **J Addict Dis** 1991; 10(1–2):189–203 (44 ref.)

METABOLISM

Pharmacokinetic considerations in understanding nicotine dependence. Benowitz NL. **Ciba Found Symp** 1990; 152:186–200; discussion 200–9 (31 ref.)
[Neuropharmacology of smoking: basic research opens new therapeutic possibilities] Svensson TH, et al. **Lakartidningen** 1991 May 29;88(22):2066–71 (56 ref.) (Eng. Abstr.) **(Swe)**
[Molecular neurobiological research in the fight against drug abuse] Terenius L. **Lakartidningen** 1991 Jul 24; 88(30–31):2526–30 (22 ref.) (Eng. Abstr.) **(Swe)**

PHYSIOPATHOLOGY

The neural substrates of drug addiction and dependence. Pulvirenti L, et al. **Funct Neurol** 1990 Apr–Jun;5(2):109–19 (75 ref.)
Pharmacologic aspects of benzodiazepine tolerance and dependence. Busto U, et al. **J Subst Abuse Treat** 1991; 8(1–2):29–33 (50 ref.)

PREVENTION & CONTROL

Adolescent substance abuse: practice implications. Wodarski JS. **Adolescence** 1990 Fall;25(99):667–88 (80 ref.)
Conceptual and methodological considerations for tobacco addiction research. Grunberg NE, et al. **Br J Addict** 1991 May;86(5):637–41 (24 ref.)
The social epidemiology of international drug trafficking: comparison of source of supply and distribution networks. Montagne M. **Int J Addict** 1990 May;25(5):557–77 (90 ref.)

PSYCHOLOGY

Chemical dependency in women: important issues. Blume SB. **Am J Drug Alcohol Abuse** 1990;16(3–4):297–307 (52 ref.)
Is nicotine more addictive than cocaine? Henningfield JE, et al. **Br J Addict** 1991 May;86(5):565–9 (28 ref.)
Behavioural (non-chemical) addictions [editorial] [see comments] Marks I. **Br J Addict** 1990 Nov;85(11):1389–94 (15 ref.) Comment in: Br J Addict 1990 Nov;85(11):1417–9; discussion 1429–31. Comment in: Br J Addict 1990 Nov;85(11):1421–3; discussion 1429–31. Comment in: Br J Addict 1990 Nov;85(11):1425–7; discussion 1429–31.
Great expectations: some suggestions for applying the balanced placebo design to nicotine and smoking. Sutton SR. **Br J Addict** 1991 May;86(5):659–62 (8 ref.)
Drug addiction, pregnancy, and childbirth: legal issues for the medical and social services communities. Connolly WB Jr, et al. **Clin Perinatol** 1991 Mar;18(1):147–86 (119 ref.)
Disabilities, developmental handicaps, and substance misuse: a review. Moore D, et al. **Int J Addict** 1991 Jan;26(1):65–90 (90 ref.)
Codependency: a critique. Harper J, et al. **J Psychoactive Drugs** 1990 Jul–Sep;22(3):285–92 (63 ref.)
Diazepam (Valium): its dependency liability. Murray JB. **J Psychol** 1990 Nov;124(6):655–74 (120 ref.)
Chemical dependency in women: a description of its effects and outcome on adequate parenting. Davis SK. **J Subst Abuse Treat** 1990;7(4):225–32 (31 ref.)
The prediction of suicide [see comments] Davis AT, et al. **Med J Aust** 1990 Nov 5;153(9):552–4 (26 ref.) Comment in: Med J Aust 1991 Feb 4;154(3):218.
Dependence studies of new compounds in the rhesus monkey and mouse (1990). Aceto MD, et al. **NIDA Res Monogr** 1991;105:640–81 (10 ref.)
Biological evaluation of compounds for their physical dependence potential and abuse liability. XIV. Animal Testing Committee of the Committee on Problems of Drug Dependence, Inc. (1990). Jacobson AE. **NIDA Res Monogr** 1991;105:622–39 (7 ref.)
Indications of psychological dependence among anabolic–androgenic steroid abusers. Yesalis CE, et al. **NIDA Res Monogr** 1990;102:196–214 (67 ref.)
Benzodiazepine dependence, withdrawal severity, and clinical outcome: effects of personality. Rickels K, et al. **Psychopharmacol Bull** 1988;24(3):415–20 (15 ref.)
Cocaine addiction: psychology and neurophysiology [published erratum appears in Science 1991 Aug 2;253(5019):494] Gawin FH. **Science** 1991 Mar 29; 251(5001):1580–6 (41 ref.)
[Motivation for addiction and for detoxification: myths vs reality] Shufman EN, et al. **Harefuah** 1991 Jan 1;120(1):22–5 (13 ref.) **(Heb)**

REHABILITATION

Postgraduate medical fellowship training in alcoholism and drug abuse: national consensus standards. Galanter M, et al. **Am J Drug Alcohol Abuse** 1991;17(1):1–12 (7 ref.)
Substance abuse disorders: a psychiatric priority. Group for the Advancement of Psychiatry Committee on Alcoholism and the Addictions. **Am J Psychiatry** 1991 Oct; 148(10):1291–300 (100 ref.)
Effectiveness of the Transcendental Meditation program in preventing and treating substance misuse: a review. Gelderloos P, et al. **Int J Addict** 1991 Mar;26(3):293–325 (100 ref.)
Evaluation research on prison-based drug treatment programs and some policy implications. Rouse JJ. **Int J Addict** 1991 Jan;26(1):29–44 (50 ref.)
A practical approach to benzodiazepine discontinuation. DuPont RL. **J Psychiatr Res** 1990;24 Suppl 2:81–90 (26 ref.)
Benzodiazepine dependency discontinuation: focus on the chemical dependency detoxification setting and benzodiazepine–polydrug abuse. Smith DE, et al. **J Psychiatr Res** 1990;24 Suppl 2:145–56 (19 ref.)
Monitoring, reentry, and relapse prevention for chemically dependent health care professionals. Buxton M. **J Psychoactive Drugs** 1990 Oct–Dec;22(4):447–50 (7 ref.)
Detoxification from benzodiazepines: schedules and strategies. Alexander B, et al. **J Subst Abuse Treat** 1991; 8(1–2):9–17 (75 ref.)

THERAPY

Relaxation training: a nursing intervention for substance abusers. Dodge VH. **Arch Psychiatr Nurs** 1991 Apr; 5(2):99–104 (26 ref.)
Safe use of codeine in the recovering alcoholic or addict. Stock CJ. **DICP** 1991 Jan;25(1):49–53 (29 ref.)
Program components of a comprehensive integrated care system for serious mentally ill patients with substance disorders. Minkoff K. **New Dir Ment Health Serv** 1991 Summer;(50):13–27 (28 ref.)
Supporting the addicted doctor. Lloyd G. **Practitioner** 1990 Nov;234(1496):989–91 (6 ref.)
[Transcerebral electrostimulation in hypnotic drug withdrawal] Demotes-Mainard J, et al. **Encephale** 1990 Jul–Aug;16(4):265–7 (21 ref.) (Eng. Abstr.) **(Fre)**

URINE

[Analytical exploration of drug addiction] Bourdon R, et al. **Presse Med** 1991 Jan 26;20(3):124–7 (9 ref.) (Eng. Abstr.) **(Fre)**

SUBSTANCE K

Neurokinin A and B. Munekata E. **Comp Biochem Physiol [C]** 1991;98(1):171–9 (58 ref.)

SUBSTANCE P

ANALOGS & DERIVATIVES

Progress in the development of potent bombesin receptor antagonists. Jensen RT, et al. **Trends Pharmacol Sci** 1991 Jan;12(1):13–9 (47 ref.)

ANALYSIS

Substance P innervation of spleen in rats: nerve fibers associate with lymphocytes and macrophages in specific compartments of the spleen. Lorton D, et al. **Brain Behav Immun** 1991 Mar;5(1):29–40 (77 ref.)

METABOLISM

Use of anti-idiotypic antibodies as probes for in vitro and in vivo identification of substance P receptor. Couraud JY, et al. **Mol Chem Neuropathol** 1990 Jan;12(1):71–82 (19 ref.)
Development of substance P (SP)-containing cells in the central nervous system: consequences of neurotransmitter co-localization. Jonakait GM, et al. **Prog Neurobiol** 1991; 36(1):1–21 (98 ref.)

PHARMACOLOGY

Substance P, the immune system and inflammation. Hartung HP, et al. **Int Rev Immunol** 1989 Jun;4(3):229–49 (68 ref.)
Facilitation of memory by peripheral administration of substance P and naloxone using avoidance and habituation learning tasks. Tomaz C, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):447–53 (43 ref.)

PHYSIOLOGY

[Neuropeptide-mediated transmission of nociceptive information and its regulation. Novel mechanisms of analgesics] Kuraishi Y. **Yakugaku Zasshi** 1990 Oct; 110(10):711–26 (63 ref.) (Eng. Abstr.) **(Jpn)**
[The role of neuropeptides in neural somatic reflexes] Traczyk WZ. **Acta Physiol Pol** 1989;40 Suppl 34:55–66 (38 ref.) **(Pol)**

SUBSTANCE USE DISORDERS

Volatile substance abuse. Chalmers EM. **Med J Aust** 1991 Feb 18;154(4):269–74 (123 ref.)
[Chronic toluene poisoning] Ferreiro JL, et al. **Neurologia** 1990 Jun–Jul;5(6):205–7 (13 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Organic solvent and aerosol abuse. Miller NS, et al. **Am Fam Physician** 1991 Jul;44(1):183–9 (26 ref.)

SUBSTANCE WITHDRAWAL, NEONATAL see **NEONATAL ABSTINENCE SYNDROME**

SUBSTANCE WITHDRAWAL SYNDROME

Anticonvulsant drug withdrawal in seizure-free patients. Jenck MA, et al. **Clin Pharm** 1990 Oct;9(10):781–7 (37 ref.)
Neuroleptic malignant syndrome. When levodopa withdrawal is the cause. Rainer C, et al. **Postgrad Med** 1991 Apr;89(5):175–8, 180 (12 ref.)

DIAGNOSIS

Alcohol withdrawal syndromes. McMicken DB. **Emerg Med Clin North Am** 1990 Nov;8(4):805–19 (103 ref.)
The nosology of abuse and dependence. Kleber HD. **J Psychiatr Res** 1990;24 Suppl 2:57–64 (22 ref.)
Protracted withdrawal syndromes from benzodiazepines. Ashton H. **J Subst Abuse Treat** 1991;8(1–2):19–28 (50 ref.)

DRUG THERAPY

Beta-blockers in alcohol withdrawal. Neff DA, et al. **DICP** 1991 Jan;25(1):31–2 (8 ref.)
Safe use of codeine in the recovering alcoholic or addict. Stock CJ. **DICP** 1991 Jan;25(1):49–53 (29 ref.)
Chlormethiazole: current status in the treatment of the acute ethanol withdrawal syndrome. Majumdar SK. **Drug Alcohol Depend** 1991 May;27(3):201–7 (46 ref.)
FMRF-NH2 like mammalian octapeptide in opiate dependence and withdrawal. Malin DH, et al. **NIDA Res Monogr** 1991;105:271–7 (12 ref.)
The drug management of severe alcohol withdrawal syndrome. Gillman MA, et al. **Postgrad Med J** 1990 Dec; 66(782):1005–9 (47 ref.)

ETIOLOGY

Smoking cessation and weight gain. Leischow SJ, et al. **Br J Addict** 1991 May;86(5):577–81 (36 ref.)
Short-acting versus long-acting benzodiazepines: discontinuation effects in panic disorders. Burrows GD, et al. **J Psychiatr Res** 1990;24 Suppl 2:65–72 (22 ref.)
Benzodiazepine discontinuation syndromes. Greenblatt DJ, et al. **J Psychiatr Res** 1990;24 Suppl 2:73–9 (36 ref.)
Benzodiazepines and the elderly. A review of potential problems. Closser MH. **J Subst Abuse Treat** 1991; 8(1–2):35–41 (50 ref.)

METABOLISM

Neuropharmacological and clinical aspects of alcohol withdrawal. Nutt DJ, et al. **Ann Med** 1990;22(4):275–81 (106 ref.)

PHYSIOPATHOLOGY

Pharmacological mechanisms of benzodiazepine withdrawal. Nutt DJ. **J Psychiatr Res** 1990;24 Suppl 2:105–10 (30 ref.)
Pharmacologic aspects of benzodiazepine tolerance and dependence. Busto U, et al. **J Subst Abuse Treat** 1991; 8(1–2):29–33 (50 ref.)
Abstinence symptomatology and neuropsychological impairment in chronic cocaine abusers. O'Malley SS, et al. **NIDA Res Monogr** 1990;101:179–90 (30 ref.)

PREVENTION & CONTROL

Nicotinic receptor blockade therapy and smoking cessation. Clarke PB. **Br J Addict** 1991 May;86(5):501–5 (27 ref.)
The future of nicotine replacement. Russell MA. **Br J Addict** 1991 May;86(5):653–8 (17 ref.)
The benzodiazepines: anxiolytic and withdrawal effects. Little HJ. **Neuropeptides** 1991 Jul;19 Suppl:11–4 (18 ref.)

PSYCHOLOGY

Inter-relationships between conditioned and primary reinforcement in the maintenance of cigarette smoking. Rose JE, et al. **Br J Addict** 1991 May;86(5):605–9 (38 ref.)
Great expectations: some suggestions for applying the balanced placebo design to nicotine and smoking. Sutton

SR. **Br J Addict** 1991 May;86(5):659–62 (8 ref.)
Learning and memory deficits in detoxified alcoholics. Oscar-Berman M. **NIDA Res Monogr** 1990;101:136–55 (61 ref.)
Benzodiazepine dependence, withdrawal severity, and clinical outcome: effects of personality. Rickels K, et al. **Psychopharmacol Bull** 1988;24(3):415–20 (15 ref.)

REHABILITATION

Benzodiazepine dependency discontinuation: focus on the chemical dependency detoxification setting and benzodiazepine-polydrug abuse. Smith DE, et al. **J Psychiatr Res** 1990;24 Suppl 2:145–56 (19 ref.)
Detoxification from benzodiazepines: schedules and strategies. Alexander B, et al. **J Subst Abuse Treat** 1991; 8(1–2):9–17 (75 ref.)
Providing cost efficient detoxification services to alcoholic patients. Beshai NN. **Public Health Rep** 1990 Sep–Oct; 105(5):475–81 (48 ref.)
[The abstinence paradigm, is it fiction?] Bschor F. **Verh Dtsch Ges Inn Med** 1990;96:588–95 (17 ref.) **(Ger)**

THERAPY

Cranial electrostimulation (CES) use in the detoxification of opiate-dependent patients. Alling FA, et al. **J Subst Abuse Treat** 1990;7(3):173–80 (57 ref.)

SUBSTANTIA NIGRA

ANATOMY & HISTOLOGY

The human substantia nigra and ventral tegmental area. A neuroanatomical study with notes on aging and aging diseases. van Domburg PH, et al. **Adv Anat Embryol Cell Biol** 1991;121:1–132 (0 ref.)
The substantia nigra and its relations with the striatum in the monkey. Langer LF, et al. **Prog Brain Res** 1991; 87:81–99 (82 ref.)

DRUG EFFECTS

Differential action of various allosteric modulators of GABAA receptor upon the spontaneous discharge rate of nigral neurons "in vivo". Mereu G, et al. **Adv Biochem Psychopharmacol** 1990;46:109–25 (47 ref.)
Nigrostriatal dopaminergic activity, deprenyl treatment, and longevity. Knoll J. **Adv Neurol** 1990;53:425–9 (19 ref.)
Interactions of exogenous L-dopa with nigrostriatal dopaminergic neurons in Parkinson's disease. Melamed E. **Adv Neurol** 1990;53:61–6 (21 ref.)

ENZYMOLOGY

A noncholinergic action of acetylcholinesterase (AChE) in the brain: from neuronal secretion to the generation of movement. Greenfield SA. **Cell Mol Neurobiol** 1991 Feb; 11(1):55–77 (90 ref.)

METABOLISM

[Neurochemistry of the mesencephalic substantia nigra: interrelations between excitatory amino acids, N-methyl-D-aspartate type receptors and intrinsic neuronal systems] Bustos G, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):59–64 (41 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Corticonigral degeneration with neuronal achromasia and basal neurofibrillary tangles. Paulus W, et al. **Acta Neuropathol (Berl)** 1990;81(1):89–94 (39 ref.)
Neuropathology of the substantia nigra. Gibb WR. **Eur Neurol** 1991;31 Suppl 1:48–59 (91 ref.)
Third Dorothy S. Russell memorial lecture. Huntington's disease: some recent neuropathological studies. Richardson EP Jr. **Neuropathol Appl Neurobiol** 1990 Dec;16(6):451–60 (21 ref.)

PHYSIOLOGY

[Striatal 18F-dopa uptake measuring nigrostriatal function] Otsuka M, et al. **Nippon Rinsho** 1991 Jul;49(7):1532–6 (16 ref.) **(Jpn)**

PHYSIOPATHOLOGY

The nigrostriatal system in Parkinson's disease. Graybiel AM, et al. **Adv Neurol** 1990;53:17–29 (29 ref.)

TRANSPLANTATION

Transplants in Parkinson's disease. Lindvall O. **Eur Neurol** 1991;31 Suppl 1:17–27 (71 ref.)
Nigral grafts in neonatal rats: protection from aphagia induced by subsequent adult 6-OHDA lesions. Rogers DC, et al. **Prog Brain Res** 1990;82:489–92 (19 ref.)
[Intracerebral grafts in Parkinson's disease] Menei P, et al. **Presse Med** 1991 Mar 23;20(11):513–7 (29 ref.) (Eng. Abstr.) **(Fre)**

SUBSTRATE CYCLING

Redox cycling of radical anion metabolites of toxic chemicals and drugs and the Marcus theory of electron transfer. Mason RP. **Environ Health Perspect** 1990 Jul;87:237–43 (30 ref.)

SUBTALAR JOINT

Cubonavicular coalition. Palladino SJ, et al. **J Am Podiatr Med Assoc** 1991 May;81(5):262–6 (12 ref.)

ANATOMY & HISTOLOGY

The lateral ligamentous support of the subtalar joint. Harper MC. **Foot Ankle** 1991 Jun;11(6):354–8 (12 ref.)

SURGERY

Synovectomy–arthroplasty as an alternative to triple arthrodesis in the management of subtalar joint pain. Jacobs AM, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):485–500 (49 ref.)
Pantalar arthrodesis. Leal LO, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):701–15 (21 ref.)
Reconstruction for subtalar instability: a review. Schon LC, et al. **Foot Ankle** 1991 Apr;11(5):319–25 (11 ref.)

SUBTILISINS

METABOLISM

Mammalian subtilisins: the long-sought dibasic processing endoproteases. Barr PJ. **Cell** 1991 Jul 12;66(1):1–3 (17 ref.)
Subtilisin-like proteinases involved in the activation of proproteins of the eukaryotic secretory pathway. Hutton JC. **Curr Opin Cell Biol** 1990 Dec;2(6):1131–42 (19 ref.)
Electrostatic complementarity in molecular associations. Náray-Szabó G. **J Mol Graph** 1989 Jun;7(2):76–81, 98 (34 ref.)
Subtilisin--an enzyme designed to be engineered. Wells JA, et al. **Trends Biochem Sci** 1988 Aug;13(8):291–7 (33 ref.)

SUBTRACTION ANGIOGRAPHY, DIGITAL see **ANGIOGRAPHY, DIGITAL SUBTRACTION**

SUBTRACTION TECHNIQUE

[MR angiography] Baumgart T, et al. **Radiol Diagn (Berl)** 1990;31(5):489–92 (11 ref.) (Eng. Abstr.) **(Ger)**

SUBVALVULAR STENOSIS, IDIOPATHIC HYPERTROPHIC see **CARDIOMYOPATHY, HYPERTROPHIC**

SUCCIMER see **DIMERCAPTOSUCCINIC ACID**

SUCCINATE DEHYDROGENASE

DEFICIENCY

Multiple defects of the mitochondrial respiratory chain in a mitochondrial encephalopathy (MERRF): a clinical, biochemical and molecular study. Bindoff LA, et al. **J Neurol Sci** 1991 Mar;102(1):17–24 (48 ref.)

SUCCINIC OXIDASE see **SUCCINATE DEHYDROGENASE**

SUCCINYLCHOLINE

ADVERSE EFFECTS

[Anesthetics responsible for anaphylactic shock. A French multicenter study] Laxenaire MC, et al. **Ann Fr Anesth Reanim** 1990;9(6):501–6 (21 ref.) (Eng. Abstr.) **(Fre)**
[Use of atracurium for the prevention of fasciculations and succinylcholine myalgia in athletes undergoing orthopedic surgery] Pagani I, et al. **Minerva Anestesiol** 1990 Nov; 56(11):1413–7 (26 ref.) (Eng. Abstr.) **(Ita)**
[Succinylcholine apnea] Carrasco MS, et al. **Rev Esp Anestesiol Reanim** 1990 Nov–Dec;37(6):346–55 (56 ref.) **(Spa)**

SUCCINYLDICHOLINE see **SUCCINYLCHOLINE**

SUCKING BEHAVIOR

PHYSIOLOGY

Ankyloglossia with deviation of the epiglottis and larynx. Mukai S, et al. **Ann Otol Rhinol Laryngol Suppl** 1991 May; 153:3–20 (53 ref.)

SUCRALFATE

ADVERSE EFFECTS

Antacid and sucralfate-induced hypophosphatemic osteomalacia: a case report and review of the literature. Chines A, et al. **Calcif Tissue Int** 1990 Nov;47(5):291–5 (26 ref.)

DIAGNOSTIC USE

[Scintigraphy using labelled sucralfate in the diagnosis of chronic idiopathic inflammatory diseases of the intestine] Del Piano M, et al. **Ann Ital Med Int** 1988 Apr–Jun; 3(2):126–31 (13 ref.) (Eng. Abstr.) **(Ita)**

PHARMACOLOGY

Mechanisms of gastroduodenal protection by sucralfate. Rees WD. **Am J Med** 1991 Aug 8;91(2A):58S–63S (53 ref.)

THERAPEUTIC USE

Treatment of peptic ulcer disease with sucralfate: a review. Hunt RH. **Am J Med** 1991 Aug 8;91(2A):102S–106S (54 ref.)
Acid secretory changes and early relapse following duodenal ulcer healing with ranitidine or sucralfate. Marks IN, et al. **Am J Med** 1991 Aug 8;91(2A):95S–101S (35 ref.)
Sucralfate therapy and reflux esophagitis: an overview. Orlando RC. **Am J Med** 1991 Aug 8;91(2A):123S–124S (26 ref.)
Failure of infection control in intensive care units: can sucralfate improve the situation? Weinstein RA. **Am J Med** 1991 Aug 8;91(2A):132S–134S (15 ref.)
Sucralfate versus antacids or H2-antagonists for stress ulcer prophylaxis: a meta-analysis on efficacy and pneumonia rate. Tryba M. **Crit Care Med** 1991 Jul;19(7):942–9 (47 ref.)
Clinical studies of sucralfate in reflux esophagitis. The European experience. Hameeteman W. **J Clin Gastroenterol** 1991;13 Suppl 2:S16–20 (39 ref.)
Sucralfate. McCarthy DM. **N Engl J Med** 1991 Oct 3; 325(14):1017–25 (159 ref.)
[Prevention of duodenal ulcer recurrence. A new prospect] Soulé JC. **Presse Med** 1991 Mar 16;20(10):465–70 (37 ref.) (Eng. Abstr.) **(Fre)**

SUCROSE

Sucrose and fructose in the diabetic diet. Nutrition Subcommittee of the British Diabetic Association's Professional Advisory Committee. **Diabetic Med** 1990 Nov; 7(9):764–9 (35 ref.)

ADVERSE EFFECTS

Why free sugars consumption should be below 15 kg per person per year in industrialised countries: the dental evidence. Sheiham A. **Br Dent J** 1991 Jul 20;171(2):63–5 (49 ref.)
Report of the COMA panel on dietary sugars and human disease: discussion paper [see comments] Yudkin J. **J R Soc Med** 1990 Oct;83(10):627–8 (12 ref.) Comment in: J R Soc Med 1991 Apr;84(4):246. Comment in: J R Soc Med 1991 May;84(5):320–1.

ANALOGS & DERIVATIVES

Renal mineralization--a ubiquitous lesion in chronic rat studies. Lord GH, et al. **Food Chem Toxicol** 1990 Jun; 28(6):449–55 (45 ref.)

METABOLISM

[Is sugar a nutrient robber?] Feldheim W. **Z Ernahrungswiss** 1990;29 Suppl 1:26–30 (9 ref.) (Eng. Abstr.) **(Ger)**

SUCTION

METHODS

Automated percutaneous lumbar diskectomy. Onik G, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):531–8 (46 ref.)
[Therapy of respiratory insufficiency. Endotracheal suctioning--fiberglass bronchoscopy--long-term intubation--tracheotomy] Sporn P, et al. **Klin Anasthesiol Intensivther** 1991;39:314–25; discussion 333–9 (39 ref.) **(Ger)**

SUCTION LIPECTOMY see **LIPECTOMY**

SUCTORIA see **CILIATA**

SUDDEN DEAFNESS see **DEAFNESS, SUDDEN**

SUDDEN INFANT DEATH

Parental reactions to the loss of an infant child: a review. Dyregrov A. **Scand J Psychol** 1990;31(4):266–80 (120 ref.)
[Characteristics of cardiorespiratory function in the sudden infant death syndrome] Javorka K, et al. **Cesk Pediatr** 1991 May;46(5):281–4 (40 ref.) **(Slo)**

EPIDEMIOLOGY

Sudden infant death syndrome epidemiology: a review and update. Little RE, et al. **Epidemiol Rev** 1990;12:241–6 (52 ref.)
[Sudden infant death syndrome: the theoretical and practical problems. IV] Hecser L, et al. **Pediatrie** 1990 Apr–Jun; 39(2):129–36 (47 ref.) **(Rum)**

ETIOLOGY

Ankyloglossia with deviation of the epiglottis and larynx. Mukai S, et al. **Ann Otol Rhinol Laryngol Suppl** 1991 May; 153:3–20 (53 ref.)
Sudden infant death syndrome and inherited disorders of fatty acid beta-oxidation. Harpey JP, et al. **Biol Neonate** 1990; 58 Suppl 1:70–80 (59 ref.)
Neural maturational delay as a link in the chain of events leading to SIDS. Becker LE. **Can J Neurol Sci** 1990 Nov;

17(4):361–71 (80 ref.)
Possible mechanisms responsible for the sudden infant death syndrome. Byard RW. **J Paediatr Child Health** 1991 Jun; 27(3):147–57 (171 ref.)
Maternal cocaine addiction and fetal behavioral state. I: A human model for the study of sudden infant death syndrome. Gingras JL, et al. **Med Hypotheses** 1990 Dec; 33(4):227–30 (39 ref.)
Maternal cocaine addiction. II: An animal model for the study of brainstem mechanisms operative in sudden infant death syndrome. Gingras JL, et al. **Med Hypotheses** 1990 Dec;33(4):231–4 (32 ref.)
Sudden infant death syndrome (SIDS): a time lag factor. Reid GM. **Med Hypotheses** 1991 Feb;34(2):186–9 (20 ref.)
Generalized view of the origins of the sudden infant death syndrome. Vorontsov IM, et al. **Med Hypotheses** 1990 Nov; 33(3):187–92 (41 ref.)
Maternal substance use and subsequent sudden infant death syndrome (SIDS) in offspring. Kandall SR, et al. **Neurotoxicol Teratol** 1991 Mar–Apr;13(2):235–40 (45 ref.)
Sudden infant death syndrome and small airway occlusion: facts and a hypothesis. Martinez FD. **Pediatrics** 1991 Feb; 87(2):190–8 (89 ref.)
Sudden infant death syndrome and possible relation to vestibular function. Farrimond T. **Percept Mot Skills** 1990 Oct;71(2):419–23 (31 ref.)
Sudden infant death syndrome (crib death) and possible relation to long-term mattress compression. Chapell MS. **Psychol Rep** 1990 Dec;67(3 Pt 2):1267–72 (34 ref.)
[Sudden infant death—an emotional trigger mechanism] Kaada B. **Tidsskr Nor Laegeforen** 1990 Nov 30; 110(29):3767–9 (20 ref.) (Eng. Abstr.) **(Nor)**
[The infant sudden death syndrome. The theoretical and practical problems. II.] Hecser L, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1989 Oct–Dec; 38(4):303–11 (92 ref.) **(Rum)**
[The sudden infant death syndrome: the theoretical and practical problems. III.] Hecser L, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1990 Jan–Mar; 39(1):43–50 (80 ref.) **(Rum)**

SUDECK'S ATROPHY

DIAGNOSIS

[Neurologic aspects of clinical manifestations, pathophysiology and therapy of reflex sympathetic dystrophy (causalgia, Sudeck's disease)] Blumberg H, et al. **Nervenarzt** 1991 Apr;62(4):205–11 (32 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Sudeck disease] Enderle A, et al. **Z Lymphol** 1990 Dec; 14(2):68–75 (0 ref.) (Eng. Abstr.) **(Ger)**

SUFFOCATION see **ASPHYXIA**

SUGAR ALCOHOL DEHYDROGENASES

GENETICS

[Molecular genetic study on the incapability of synthesising ascorbic acid in scurvy-prone animals] Nishikimi M, et al. **Tanpakushitsu Kakusan Koso** 1990 Dec;35(16):2866–73 (31 ref.) **(Jpn)**

SUGAR ALCOHOL OXIDOREDUCTASES see **SUGAR ALCOHOL DEHYDROGENASES**

SUGAR ALCOHOLS

TOXICITY

Shortcomings of current strategy for toxicity testing of food chemicals: polyols. Roe FJ. **Food Chem Toxicol** 1990 Nov; 28(11):739–42 (22 ref.)

SUGAR SUBSTITUTES see **SWEETENING AGENTS**

SUGARS see **CARBOHYDRATES**

SUGGESTION

Suggestion, relaxation, and hypnosis as adjuncts in the care of surgery patients: a review of the literature. Blankfield RP. **Am J Clin Hypn** 1991 Jan;33(3):172–86 (48 ref.)

SUICIDE

Serotonin and suicidal behavior. Mann JJ, et al. **Ann N Y Acad Sci** 1990;600:476–84; discussion 484–5 (43 ref.)
Depression and suicide assessment. Hofmann DP, et al. **Emerg Med Clin North Am** 1991 Feb;9(1):107–21 (48 ref.)
Child and adolescent suicide. Acosta-Rua MV. **J Fla Med Assoc** 1991 May;78(5):295–8 (8 ref.)
Adolescent suicide. Risk factors and prevention. Lartigue EK, et al. **J Fla Med Assoc** 1990 Aug;77(8):745–7 (21 ref.)
Brain markers and suicide: can a relationship be found? Little KY, et al. **J Forensic Sci** 1990 Nov;35(6):1393–403 (45 ref.)
The prediction of suicide [see comments] Davis AT, et al. **Med J Aust** 1990 Nov 5;153(9):552–4 (26 ref.) Comment in: Med J Aust 1991 Feb 4;154(3):218.
[Cancer and suicide. Review of the literature] Stenager EN, et al. **Ugeskr Laeger** 1991 Mar 11;153(11):764–8 (30 ref.) (Eng. Abstr.) **(Dan)**
[The overdose risk in prescribing of antidepressive agents] Pinder RM. **Ned Tijdschr Geneeskd** 1991 Mar 16; 135(11):457–61 (31 ref.) **(Dut)**

HISTORY

Social images of suicide. Marra R, et al. **Br J Sociol** 1991 Jun;42(2):273–88 (55 ref.)

LEGISLATION & JURISPRUDENCE

Suicide cases in civil law: do the legal tests make sense? McClung M. **Bull Am Acad Psychiatry Law** 1990; 18(4):365–72 (29 ref.)

PREVENTION & CONTROL

Training physicians in the clinical evaluation of the suicidal patient. Peterson LG, et al. **Adv Psychosom Med** 1990; 20:89–108 (40 ref.)
Assessing suicide risk in stroke patients: review of two cases. Garden FH, et al. **Arch Phys Med Rehabil** 1990 Nov; 71(12):1003–5 (19 ref.)
Adolescent suicide. Prevention, intervention, and postvention. Pallikkathayil L, et al. **Nurs Clin North Am** 1991 Sep;26(3):623–34 (27 ref.)
The assessment and management of the suicidal patient. Fawcett J, et al. **Psychiatr Med** 1991;9(2):299–311 (34 ref.)
Predicting and preventing hospital and clinic suicides. Litman RE. **Suicide Life Threat Behav** 1991 Spring;21(1):56–73 (23 ref.)
[Prevention and after-care of suicidal behavior—a literature review] Stenager EN. **Nord Med** 1991;106(5):160–3 (15 ref.) (Eng. Abstr.) **(Dan)**
[Periodic medical examination. Update 1990. Early diagnosis of depression and the prevention of suicide. The Canadian Study Group on Periodic Medical Examination] **Union Med Can** 1991 Jan–Feb;120(1):17–22, 16 (73 ref.) **(Fre)**

PSYCHOLOGY

Gender identity conflicts in adolescents as motivation for suicide. Cohen Y. **Adolescence** 1991 Spring;26(101):19–29 (10 ref.)
Psychodynamics of suicide, with particular reference to the young. Hendin H. **Am J Psychiatry** 1991 Sep;148(9):1150–8 (86 ref.)
The social and family context of aboriginal self-harmful behaviour in remote Australia. Hunter EM. **Aust N Z J Psychiatry** 1991 Jun;25(2):203–9 (33 ref.)
Patient suicide and its impact on the psychotherapist. Menninger WW. **Bull Menninger Clin** 1991 Spring; 55(2):216–27 (18 ref.)
Suicide risk assessment and prediction. Beck AT, et al. **Crisis** 1990 Nov;11(2):22–30 (43 ref.)
Suicide risk assessment and prediction in the 1990s. Clark DC. **Crisis** 1990 Nov;11(2):104–12 (36 ref.)
Suicide notes and their implications for intervention. Leenaars AA. **Crisis** 1991 Apr;12(1):1–20 (37 ref.)
The interface between empirical suicide research and clinical practice. Maltsberger JT, et al. **Crisis** 1990 Nov;11(2):3–10 (25 ref.)
Suicidal tendencies: detection and evaluation. Pöldinger W, et al. **Crisis** 1990 Nov;11(2):11–21 (18 ref.)
Physical illness, pain, and suicidal behavior. Venkoba Rao A. **Crisis** 1990 Nov;11(2):48–56 (30 ref.)
Fluoxetine and suicidal ideation. McGrath BJ, et al. **DICP** 1991 Jun;25(6):607–9 (20 ref.)
Suicide and panic disorder: a review. Noyes R Jr. **J Affect Disord** 1991 May–Jun;22(1–2):1–11 (68 ref.)
Childhood depression and suicide. Kelly GL. **Nurs Clin North Am** 1991 Sep;26(3):545–58 (47 ref.)
Youth suicide: risk factors, assessment, and treatment of adolescent and young adult suicidal patients. Blumenthal SJ. **Psychiatr Clin North Am** 1990 Sep;13(3):511–56 (252 ref.)
Schizophrenics kill themselves too: a review of risk factors for suicide. Caldwell CB, et al. **Schizophr Bull** 1990; 16(4):571–89 (124 ref.)
Personality assessment in suicide prediction. Eyman JR, et al. **Suicide Life Threat Behav** 1991 Spring;21(1):37–55 (65 ref.)
Suicide and life-threatening behavior. Introduction. Maris RW. **Suicide Life Threat Behav** 1991 Spring;21(1):1–17 (60 ref.)
Suicidal behavior in children and adolescents: a clinical and research perspective. Pfeffer CR. **Yale J Biol Med** 1990 Jul–Aug;63(4):325–32 (39 ref.)
[Evaluation of the risk factors of suicide in patients treated for mental disorders. Review of the literature from 1978 to 1988] Théret L, et al. **Ann Med Psychol (Paris)** 1990 Apr;148(4):411–4 (37 ref.) (Eng. Abstr.) **(Fre)**
[Suicidal behavior and "individual freedom"] Blankenburg W. **Versicherungsmedizin** 1991 Feb 1;43(1):9–13 (27 ref.) (Eng. Abstr.) **(Ger)**
[Suicide during inpatient psychiatric treatment] Busch H, et al. **Versicherungsmedizin** 1991 Feb 1;43(1):13–8 (42 ref.) (Eng. Abstr.) **(Ger)**
[The risk of suicidal behavior in syndromes of reciprocal delirium interpretation induction] Grecu G, et al. **Rev Med Chir Soc Med Nat Iasi** 1990 Apr–Jun;94(2):309–12 (0 ref.) **(Rum)**

STATISTICS & NUMERICAL DATA

Suicidal behavior and depressive disorders in adolescents and young adults. Diekstra RF. **Neuropsychobiology** 1989; 22(4):194–207 (63 ref.)

TRENDS

Adolescent and elderly white male suicide trends: evidence of changing well-being? McCall PL. **J Gerontol** 1991 Jan; 46(1):S43–51 (41 ref.)

SUICIDE, ATTEMPTED

Central serotonergic function in parasuicide. Coccaro EF, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(5):663–74 (72 ref.)
Industrial nail gun injuries. Schor JS, et al. **South Med J** 1991 Jul;84(7):922–3 (10 ref.)

PSYCHOLOGY

Patient suicide and its impact on the psychotherapist. Menninger WW. **Bull Menninger Clin** 1991 Spring; 55(2):216–27 (18 ref.)
Suicide and panic disorder: a review. Noyes R Jr. **J Affect Disord** 1991 May–Jun;22(1–2):1–11 (68 ref.)
Self-inflected oral injuries and suicidal ideation secondary to loss of teeth. Watkins KV. **N Y State Dent J** 1991 May; 57(5):21–3 (12 ref.)
Assessing an adult patient's suicide risk. What primary care physicians need to know. Westreich L. **Postgrad Med** 1991 Sep 15;90(4):59–62 (11 ref.)
Suicide and life-threatening behavior. Introduction. Maris RW. **Suicide Life Threat Behav** 1991 Spring;21(1):1–17 (60 ref.)
[Suicidal behavior and "individual freedom"] Blankenburg W. **Versicherungsmedizin** 1991 Feb 1;43(1):9–13 (27 ref.) (Eng. Abstr.) **(Ger)**

STATISTICS & NUMERICAL DATA

Suicidal behavior and depressive disorders in adolescents and young adults. Diekstra RF. **Neuropsychobiology** 1989; 22(4):194–207 (63 ref.)

SULBACTAM

PHARMACOLOGY

Overcoming enzymatic resistance in bacteria: impact on future therapy. Labia R, et al. **J Int Med Res** 1990;18 Suppl 4:48D–57D (57 ref.)

THERAPEUTIC USE

Ampicillin/sulbactam—a combination of an old and a new agent in the treatment of infection. Kerins DM. **Am J Med Sci** 1991 Jun;301(6):406–11 (35 ref.)
Ampicillin-sulbactam therapy for multiple pyogenic hepatic abscesses [clinical conference] Zenon GJ 3d, et al. **Clin Pharm** 1990 Dec;9(12):939–47 (45 ref.)
[Sulbactam-ampicillin combination—a drug of broad antibacterial spectrum] Savko V. **Antibiot Khimioter** 1991 Jan;36(1):51–5 (42 ref.) **(Rus)**

SULFADIAZINE

ADVERSE EFFECTS

Sulfadiazine crystalluria revisited. The treatment of Toxoplasma encephalitis in patients with acquired immunodeficiency syndrome. Simon DI, et al. **Arch Intern Med** 1990 Nov;150(11):2379–84 (34 ref.)

PHARMACOKINETICS

Malnutrition and drugs: clinical implications. Mehta S. **Dev Pharmacol Ther** 1990;15(3–4):159–65 (21 ref.)

SULFAMYL DIURETICS see **DIURETICS, SULFAMYL**

SULFANILAMIDES

PHARMACOLOGY

Molecular modeling and quantitative structure-activity analysis of antibacterial sulfanilamides and sulfones. De Benedetti PG. **Prog Drug Res** 1991;36:361–417 (60 ref.)

THERAPEUTIC USE

[Current principles of chemotherapy of nonspecific ulcerative colitis in children] Denisova MF. **Pediatriia** 1990;(7):97–101 (62 ref.) **(Rus)**

SULFASALAZINE see **SALICYLAZOSULFAPYRIDINE**

SULFATES

ANALYSIS

Quantification of steroid conjugates using fast atom bombardment mass spectrometry. Gaskell SJ. **Steroids** 1990 Oct;55(10):458–62 (21 ref.)

METABOLISM

Physiology and ecology of the sulphate-reducing bacteria. Gibson GR. **J Appl Bacteriol** 1990 Dec;69(6):769–97 (265 ref.)

Sulfated surfaces in sensitivity: an 'on–off' switch for anaphylaxis? Lasser EC. **Med Hypotheses** 1991 Jan; 34(1):13–9 (48 ref.)

SULFATES, INORGANIC see **SULFATES**

SULFATIDATE SULFATASE see **CEREBROSIDE SULFATASE**

SULFATIDOSIS see **LEUKODYSTROPHY, METACHROMATIC**

SULFATION FACTOR see **SOMATOMEDINS**

SULFHYDRYL COMPOUNDS

CHEMISTRY

Implications of thiolester linked fatty acids in apolipoprotein B. Lee DM. **Adv Exp Med Biol** 1991;285:49–58 (38 ref.)

METABOLISM

Antioxidant defense systems: the role of carotenoids, tocopherols, and thiols. Di Mascio P, et al. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):194S–200S (52 ref.)

Nucleophilic reactions of sorbic acid. Khandelwal GD, et al. **Food Addit Contam** 1990 Sep–Oct;7(5):685–94 (21 ref.)

Tubulin sulfhydryl groups as probes and targets for antimitotic and antimicrotubule agents. Luduena RF, et al. **Pharmacol Ther** 1991;49(1–2):133–52 (110 ref.)

Reaction of thiyl radicals with alcohols, ethers and polyunsaturated fatty acids: a possible role of thiyl free radicals in thiol mutagenesis? Schöneich C, et al. **Radiat Environ Biophys** 1990;29(4):263–71 (40 ref.)

Status of calcium and thiols in hepatocellular injury by oxidative stress. Reed DJ. **Semin Liver Dis** 1990 Nov; 10(4):285–92 (104 ref.)

[The thioldisulfide system as one of the elements of compensatory mechanisms in influenza] Leont'eva GF, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):40–4 (24 ref.) (Eng. Abstr.) **(Rus)**

PHARMACOLOGY

Sulfur containing compounds as antioxidants. Dansette PM, et al. **Adv Exp Med Biol** 1990;264:209–15 (14 ref.)

Cystine depletion of cystinotic cells by aminothiols. Thoene JG, et al. **Proc R Soc Med** 1977;70 Suppl 3:37–40 (15 ref.)

TOXICITY

Reaction of thiyl radicals with alcohols, ethers and polyunsaturated fatty acids: a possible role of thiyl free radicals in thiol mutagenesis? Schöneich C, et al. **Radiat Environ Biophys** 1990;29(4):263–71 (40 ref.)

SULFIDES

METABOLISM

[The thioldisulfide system as one of the elements of compensatory mechanisms in influenza] Leont'eva GF, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):40–4 (24 ref.) (Eng. Abstr.) **(Rus)**

SULFITE REDUCTASES

GENETICS

An unusual yet strongly conserved flavoprotein reductase in bacteria and mammals. Porter TD. **Trends Biochem Sci** 1991 Apr;16(4):154–8 (30 ref.)

SULFITES

ADVERSE EFFECTS

Diagnosis of sulfite and aspirin sensitivity. Bush RK, et al. **Clin Rev Allergy** 1990 Summer–Fall;8(2–3):159–78 (42 ref.)

METABOLISM

Nucleophilic reactions of sorbic acid. Khandelwal GD, et al. **Food Addit Contam** 1990 Sep–Oct;7(5):685–94 (21 ref.)

PHARMACOLOGY

Inhibition of browning by sulfites. Wedzicha BL, et al. **Adv Exp Med Biol** 1991;289:217–36 (59 ref.)

SULFITES, INORGANIC see **SULFITES**

SULFONAMIDES

Torasemide. A review of its pharmacological properties and therapeutic potential. Friedel HA, et al. **Drugs** 1991 Jan; 41(1):81–103 (77 ref.)

ADVERSE EFFECTS

[Hepatotoxicity of antimicrobial agents. I: Antibacterial antibiotics] Horsmans Y, et al. **Gastroenterol Clin Biol** 1990; 14(12):911–8 (92 ref.) **(Fre)**

[Comparison of the adverse effect profile of different substances such as penicillins, tetracyclines, sulfonamides and quinolones] Keller H. **Infection** 1991;19 Suppl 1:S19–24 (17 ref.) (Eng. Abstr.) **(Ger)**

PHARMACOLOGY

The loop diuretic torasemide in chronic renal failure. Pharmacokinetics and pharmacodynamics. Knauf H, et al. **Drugs** 1991;41 Suppl 3:23–34 (44 ref.)

Preclinical studies on the anti-migraine drug, sumatriptan. Humphrey PP, et al. **Eur Neurol** 1991;31(5):282–90 (40 ref.)

Sumatriptan in acute migraine: pharmacology and review of world experience. Peroutka SJ. **Headache** 1990;30 Suppl 2:554–60 (43 ref.)

THERAPEUTIC USE

Low dose loop diuretics in essential hypertension. Experience with torasemide. Achhammer I, et al. **Drugs** 1991;41 Suppl 3:80–91 (51 ref.)

The efficacy of diuretics in acute and chronic renal failure. Focus on torasemide. Risler T, et al. **Drugs** 1991;41 Suppl 3:69–79 (63 ref.)

Rationale for the use of 5-HT1-like agonists in the treatment of migraine. Feniuk W, et al. **J Neurol** 1991;238 Suppl 1:S57–61 (42 ref.)

SULFONES

Polysulfone intracorneal lenses. Lane SS, et al. **Int Ophthalmol Clin** 1991 Winter;31(1):37–46 (28 ref.)

PHARMACOLOGY

Molecular modeling and quantitative structure-activity analysis of antibacterial sulfanilamides and sulfones. De Benedetti PG. **Prog Drug Res** 1991;36:361–417 (60 ref.)

SULFONYLDIANILINE see **DAPSONE**

SULFONYLUREA COMPOUNDS

ADMINISTRATION & DOSAGE

Rationale for the association of sulfonylurea and insulin. Del Prato S. **Am J Med** 1991 Jun 24;90(6A):77S–82S (47 ref.)

Combination of insulin and sulfonylureas: a literature review. Halimi S, et al. **Am J Med** 1991 Jun 24;90(6A):83S–86S (53 ref.)

IMMUNOLOGY

[Hypersensitivity to hypoglycemic sulfonylurea compounds. Are there cross-reactions?] Chichmanian RM, et al. **Therapie** 1991 Mar–Apr;46(2):163–7 (31 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOLOGY

Hepatic sensitivity to insulin: effects of sulfonylurea drugs. Del Prato S, et al. **Am J Med** 1991 Jun 24;90(6A):29S–36S (76 ref.)

Mechanisms of sulfonylurea-induced insulin release. Malaisse WJ, et al. **Diabetes Care** 1990 Aug;13 Suppl 3:9–17 (123 ref.)

THERAPEUTIC USE

Mechanisms for hyperglycemia in type II diabetes mellitus: therapeutic implications for sulfonylurea treatment—an update. Porte D Jr, et al. **Am J Med** 1991 Jun 24; 90(6A):8S–14S (26 ref.)

Use of sulfonylurea agents in older diabetic patients. Peters AL, et al. **Clin Geriatr Med** 1990 Nov;6(4):903–21 (74 ref.)

Combined insulin-sulfonylurea therapy in treatment of NIDDM. Groop LC, et al. **Diabetes Care** 1990 Aug;13 Suppl 3:47–52 (53 ref.)

Biguanides and sulfonylureas as combination therapy in NIDDM. Hermann LS. **Diabetes Care** 1990 Aug;13 Suppl 3:37–41 (26 ref.)

Sulfonylureas. Why, which, and how? Melander A, et al. **Diabetes Care** 1990 Aug;13 Suppl 3:18–25 (57 ref.)

Will sulfonylurea treatment of impaired glucose tolerance delay development and complications of NIDDM? Melander A, et al. **Diabetes Care** 1990 Aug;13 Suppl 3:53–8 (35 ref.)

Combined insulin and sulfonylurea therapy for type 2 diabetes mellitus. Riddle MC. **Diabetes Res Clin Pract** 1991 Jan; 11(1):3–8 (17 ref.)

Antidiabetic agents. Francisco GE. **Prim Care** 1990 Sep; 17(3):499–519 (53 ref.)

The clinical use of oral sulfonylureas in the management of non-insulin dependent diabetes mellitus (NIDDM). Ponte CD. **W V Med J** 1990 Oct;86(10):455–8 (34 ref.)

SULFOTRANSFERASES

METABOLISM

The enzymes of detoxication. Jakoby WB, et al. **J Biol Chem** 1990 Dec 5;265(34):20715–8 (56 ref.)

SULFUR

METABOLISM

The interactions between copper, molybdenum, and sulphur in ruminant nutrition. Suttle NF. **Annu Rev Nutr** 1991; 11:121–40 (81 ref.)

Cytoskeletal origins in sulfur-metabolizing archaebacteria. Searcy DG, et al. **Biosystems** 1991;25(1–2):1–11 (54 ref.)

Hydrogen-sulfur autotrophy in the hyperthermophilic archaebacterium, Pyrodictium brockii. Pihl TD, et al. **Biotechnol Genet Eng Rev** 1990;8:345–77 (113 ref.)

Thiosulfate, polythionates and elemental sulfur assimilation and reduction in the bacterial world. Le Faou A, et al. **FEMS Microbiol Rev** 1990 Aug;6(4):351–81 (259 ref.)

Physiology of the thiobacilli: elucidating the sulphur oxidation pathway. Kelly DP. **Microbiol Sci** 1985; 2(4):105–9 (38 ref.)

PHARMACOLOGY

[The pharmacodynamics and toxicology of sulfur-containing therapeutic agents used in balneotherapy] Prattsel' KhG. **Vopr Kurortol Fizioter Lech Fiz Kult** 1991 Jan–Feb;(1):6–13 (32 ref.) **(Rus)**

SULFUR AMINO ACIDS see **AMINO ACIDS, SULFUR**

SULFUR MUSTARD see **MUSTARD GAS**

SULPIRIDE

THERAPEUTIC USE

[Antiemetic properties of levo-sulpiride] Guslandi M. **Minerva Med** 1990 Dec;81(12):855–60 (20 ref.) (Eng. Abstr.) **(Ita)**

SUNBATHING see **HELIOTHERAPY**

SUNBURN

[Life style, sun-bathing and tanning—what about UV-A solariums?] Thune P. **Tidsskr Nor Laegeforen** 1991 Jun 30; 111(17):2085–7 (14 ref.) (Eng. Abstr.) **(Nor)**

PREVENTION & CONTROL

Sun-related skin diseases. Prawer SE. **Postgrad Med** 1991 Jun;89(8):51–4, 59–61, 64–6 (20 ref.)

[UV spectrum of natural light and tanning equipment. How can physical damage be prevented?] Stickl HA. **Fortschr Med** 1990 Dec 20;108(36):691–3 (27 ref.) (Eng. Abstr.) **(Ger)**

SUNLIGHT

Photodamaged skin: a medical or a cosmetic concern? Raab WP. **J Int Med Res** 1990;18 Suppl 3:2C–7C (16 ref.)

The steroid hormone of sunlight soltriol (vitamin D) as a seasonal regulator of biological activities and photoperiodic rhythms. Stumpf WE, et al. **J Steroid Biochem Mol Biol** 1991 Aug;39(2):283–9 (63 ref.)

ADVERSE EFFECTS

National Institutes of Health summary of the Consensus Development Conference on Sunlight, Ultraviolet Radiation, and the Skin. Bethesda, Maryland, May 8–10, 1989. Consensus Development Panel. **J Am Acad Dermatol** 1991 Apr;24(4):608–12 (0 ref.)

Stratospheric ozone depletion and its relationship to skin cancer. Amron DM, et al. **J Dermatol Surg Oncol** 1991 Apr;17(4):370–2 (19 ref.)

Solar ultraviolet radiation effects on biological systems. Diffey BL. **Phys Med Biol** 1991 Mar;36(3):299–328 (164 ref.)

[UV spectrum of natural light and tanning equipment. How can physical damage be prevented?] Stickl HA. **Fortschr Med** 1990 Dec 20;108(36):691–3 (27 ref.) (Eng. Abstr.) **(Ger)**

[Sunlight, ultraviolet radiation and the skin: summary of the National Institute of Health Consensus Development Conference] Alcalay J. **Harefuah** 1991 Jan 15;120(2):102–4 (1 ref.) **(Heb)**

SUNSCREENING AGENTS

Sunscreen. The ultimate cosmetic. O'Donoghue MN. **Dermatol Clin** 1991 Jan;9(1):99–104 (40 ref.)

Sunscreens. Update and review. Luftman DB, et al. **J Dermatol Surg Oncol** 1991 Sep;17(9):744–6 (14 ref.)

ADMINISTRATION & DOSAGE

[Local sunscreening agents—why, when, how and where?] Thune P, et al. **Tidsskr Nor Laegeforen** 1991 Jun 30; 111(17):2088–90 (22 ref.) (Eng. Abstr.) **(Nor)**

ADVERSE EFFECTS

[Review of the literature on adverse reactions to sunscreens 1947 to 1989] Schauder S. **Z Hautkr** 1990 Nov; 65(11):982–98 (90 ref.) (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Photoplex. Lener ME. **Am Pharm** 1991 Jun;NS31(6):39–43 (20 ref.)

Sunscreens and the prevention of skin aging. Lowe NJ. **J Dermatol Surg Oncol** 1990 Oct;16(10):936–8 (14 ref.)

SUPEREGO

[A systematic approach to the prediction of psychosomatic disease] D'Amelio G, et al. **Minerva Med** 1990 Sep; 81(9):629–32 (8 ref.) (Eng. Abstr.) **(Ita)**

SUPERIOR COLLICULUS

Gaze control through superior colliculus: structure and function. Grantyn R. **Rev Oculomot Res** 1988;2:273–333 (631 ref.)

ANATOMY & HISTOLOGY

Projection of the mammalian superior colliculus upon the dorsal lateral geniculate nucleus: organization of tectogeniculate pathways in nineteen species. Harting JK, et al. **J Comp Neurol** 1991 Feb 8;304(2):275–306 (137 ref.)

Centrifugal pathways to the retina: influence of the optic tectum [see comments] Uchiyama H. **Vis Neurosci** 1989 Sep;3(3):183–206 (212 ref.) Comment in: Vis Neurosci 1990 May;4(5):493–5.

EMBRYOLOGY

Cell recognition and pattern formation in the developing nervous system. Trisler D. **J Exp Biol** 1990 Oct;153:11–27 (42 ref.)

GROWTH & DEVELOPMENT

Dynamics of axonal growth and the formation of orderly nerve connections in the fish retinotectal system. Stuermer CA. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):165–82 (32 ref.)

PHYSIOLOGY

In situ analysis of neuronal dynamics and positional cues in the patterning of nerve connections. Fraser SE, et al. **J Exp Biol** 1990 Oct;153:61–70 (22 ref.)

In vitro experiments on axonal guidance and growth-cone collapse. Müller B, et al. **J Exp Biol** 1990 Oct;153:29–46 (24 ref.)

Target recognition and dynamics of axonal growth in the retinotectal system of fish. Stuermer CA. **Neurosci Res Suppl** 1990;13:S1–10 (37 ref.)

The visual superior colliculus and pulvinar. Robinson DL, et al. **Rev Oculomot Res** 1989;3:337–60 (115 ref.)

The deep layers of the superior colliculus. Sparks DL, et al. **Rev Oculomot Res** 1989;3:213–55 (327 ref.)

Distributed spatial coding in the superior colliculus: a review. McIlwain JT. **Vis Neurosci** 1991 Jan;6(1):3–13 (118 ref.)

The processing of object and self-motion in the tectofugal and accessory optic pathways of birds. Frost BJ, et al. **Vision Res** 1990;30(11):1677–88 (68 ref.)

SUPERIOR MESENTERIC ARTERY SYNDROME

Superior mesenteric artery syndrome: an approach to the diagnosis and management of upper gastrointestinal obstruction of unclear etiology. Fromm S, et al. **S D J Med** 1990 Nov;43(11):5–10 (28 ref.)

SUPERIOR VENA CAVA OBSTRUCTION see **SUPERIOR VENA CAVA SYNDROME**

SUPERIOR VENA CAVA SYNDROME

DIAGNOSIS

[The role of new medical imaging technics (TDM and MRI) in the diagnostic strategies of superior vena cava syndrome] Coulomb M, et al. **Rev Mal Respir** 1991;8(1):45–57 (26 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Superior vena cava syndrome caused by an intrathoracic plasmacytoma. Davis SR, et al. **Cancer** 1991 Sep 15; 68(6):1376–9 (19 ref.)

[The superior vena cava syndrome secondary to a benign intrathoracic goiter: a case report and review of the literature] Ziad F, et al. **Rev Clin Esp** 1990 Oct;187(5):233–5 (36 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Long-term vascular access via the inferior vena cava. Williard W, et al. **J Surg Oncol** 1991 Mar;46(3):162–6 (15 ref.)

SUPERIOR VENA CAVA THROMBOSIS see **SUPERIOR VENA CAVA SYNDROME**

SUPEROVULATION

Induction of multiple follicular development for IVF. Fleming R, et al. **Br Med Bull** 1990 Jul;46(3):596–615 (45 ref.)

The role of superovulation with menotropins in ovulatory infertility: a review [see comments] Corsan GH, et al. **Fertil Steril** 1991 Mar;55(3):468–77 (99 ref.) Comment in: Fertil Steril 1991 Mar;55(3):478–80.

Controlled ovarian hyperstimulation and intrauterine insemination for treatment of infertility [see comments] Dodson WC, et al. **Fertil Steril** 1991 Mar;55(3):457–67 (76 ref.) Comment in: Fertil Steril 1991 Mar;55(3):478–80.

DRUG EFFECTS

Superovulation and the luteal phase. Doyle MB, et al. **Curr Opin Obstet Gynecol** 1989 Oct;1(1):91–6 (24 ref.)

PHYSIOLOGY

Endocrine monitoring for assisted human conception. Howles CM, et al. **Br Med Bull** 1990 Jul;46(3):616–27 (45 ref.)

Endocrinology in luteal phase and implantation. Smitz J, et al. **Br Med Bull** 1990 Jul;46(3):709–19 (41 ref.)

SUPEROXIDE

Highlights of current research involving superoxide and perhydroxyl radicals in aqueous solutions. Bielski BH, et al. **Int J Radiat Biol** 1991 Feb;59(2):291–319 (134 ref.)

Oxidant mechanisms in glomerulonephritis. Shah SV. **Semin Nephrol** 1991 May;11(3):320–6 (39 ref.)

[Studies on the activation of molecular oxygen and the biological defence mechanism against active oxygen species] Ozawa T. **Yakugaku Zasshi** 1990 Sep;110(9):617–38 (80 ref.) (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Reactive oxygen species, antioxidants, and acquired immunodeficiency syndrome. Sense or speculation? Halliwell B, et al. **Arch Intern Med** 1991 Jan;151(1):29–31 (61 ref.)

[Active oxygen species and asbestos toxicity] Kagamimori S, et al. **Sangyo Igaku** 1990 Nov;32(6):439–47 (106 ref.) (Eng. Abstr.) **(Jpn)**

METABOLISM

Superoxide scavengers and SOD or SOD mimics. Czapski G, et al. **Adv Exp Med Biol** 1990;264:45–50 (14 ref.)

Production of superoxide anion by glycated proteins: involvement in complications of diabetes mellitus. Monboisse JC, et al. **Adv Exp Med Biol** 1990;264:551–4 (9 ref.)

Enzymic mechanisms of superoxide production. Cross AR, et al. **Biochim Biophys Acta** 1991 May 6;1057(3):281–98 (337 ref.)

Generation of superoxide anion and hydrogen peroxide at the surface of plant cells. Vianello A, et al. **J Bioenerg Biomembr** 1991 Jun;23(3):409–23 (116 ref.)

Oxygen free radicals and corneal endothelium. Hull DS, et al. **Lens Eye Toxic Res** 1989;6(1–2):87–91 (5 ref.)

Bacterial defenses against oxidative stress. Storz G, et al. **Trends Genet** 1990 Nov;6(11):363–8 (36 ref.)

[Current knowledge of the mechanism of neutrophil granulocyte and macrophage activation for the formation of superoxide anions and of H2O2 and for the causes of defects in the NADPH-oxidase enzyme system involved] Kolb E. **Z Gesamte Inn Med** 1991 Apr;46(6):179–84 (40 ref.) (Eng. Abstr.) **(Ger)**

[Chemical and biochemical studies on reactivities, formations and toxicities of reactive oxygen species] Nagano T. **Yakugaku Zasshi** 1991 Feb;111(2):103–19 (45 ref.) (Eng. Abstr.) **(Jpn)**

[The role of active forms of oxygen in cell differentiation, neoplasm promotion and aging] Sikora E. **Postepy Biochem** 1989;35(4):563–74 (83 ref.) **(Pol)**

[Free radicals and antioxidants] Pawłowicz Z, et al. **Wiad Lek** 1990 Sep 1–15;43(17–18):884–9 (30 ref.) (Eng. Abstr.) **(Pol)**

PHARMACOLOGY

Superoxide anion and endothelial regulation of arterial tone. Katušić ZS, et al. **Semin Perinatol** 1991 Feb;15(1):30–3 (28 ref.)

SUPEROXIDE DISMUTASE

BIOSYNTHESIS

Nutritional effect and expression of SODs: induction and gene expression; diagnostics; prospective protection against oxygen toxicity. del Río LA, et al. **Free Radic Res Commun** 1991;12–13 Pt 2:819–27 (49 ref.)

BLOOD

Free radicals involvement in neurological porphyrias and lead poisoning. Monteiro HP, et al. **Mol Cell Biochem** 1991 Apr 24;103(1):73–83 (88 ref.)

CHEMISTRY

Probing the structural basis for enzyme–substrate recognition in Cu,Zn superoxide dismutase. Fisher CL, et al. **Free Radic Res Commun** 1991;12–13 Pt 1:287–96 (39 ref.)

GENETICS

Targeting SOD by gene and protein engineering and inhibition of oxidative stress in various diseases. Inoue M, et al. **Adv Exp Med Biol** 1990;264:5–12 (12 ref.)

Genetic modulation of the cellular antioxidant defense capacity. Amstad P, et al. **Environ Health Perspect** 1990 Aug;88:77–82 (31 ref.)

Evolutionary aspects of superoxide dismutase: the copper/zinc enzyme. Bannister WH, et al. **Free Radic Res Commun** 1991;12–13 Pt 1:349–61 (37 ref.)

Targeting SOD by gene and protein engineering and inhibition of free radical injury. Inoue M, et al. **Free Radic Res Commun** 1991;12–13 Pt 1:391–9 (25 ref.)

METABOLISM

Extracellular-superoxide dismutase, distribution in the body and therapeutic applications. Marklund SL, et al. **Adv Exp Med Biol** 1990;264:1–4 (15 ref.)

Reactivity of active centre analogues of Cu2Zn2 superoxide dismutase. Weser U, et al. **Adv Exp Med Biol** 1990;264:51–7 (15 ref.)

Superoxide dismutases. Beyer W, et al. **Prog Nucleic Acid Res Mol Biol** 1991;40:221–53 (218 ref.)

[Superoxide dismutases: significances in aging, diabetes, ischemia and cancer] Taniguchi N. **Rinsho Byori** 1990 Aug; 38(8):876–81 (24 ref.) (Eng. Abstr.) **(Jpn)**

PHARMACOLOGY

Effect of superoxide dismutase on the autoxidation of hydroquinones formed during DT-diaphorase catalysis and glutathione nucleophilic addition. Cadenas E, et al. **Adv Exp Med Biol** 1990;264:37–44 (24 ref.)

Superoxide scavengers and SOD or SOD mimics. Czapski G, et al. **Adv Exp Med Biol** 1990;264:45–50 (14 ref.)

The protective role of superoxide dismutase during activation of ribonucleotide reductase. Fontecave M, et al. **Adv Exp Med Biol** 1990;264:29–35 (10 ref.)

SOD mimicking properties of copper (II) complexes: health side effects. Lapluye G. **Adv Exp Med Biol** 1990;264:59–68 (22 ref.)

Multiple actions of superoxide dismutase: why can it both inhibit and stimulate reduction of oxygen by hydroquinones? Bandy B, et al. **Free Radic Biol Med** 1990; 9(2):143–8 (19 ref.)

PHYSIOLOGY

Superoxide dismutase as an inhibitor of erythroid progenitor cell cycling. Pluthero FG, et al. **Ann N Y Acad Sci** 1991; 628:222–32 (38 ref.)

Phylogenetic distribution of superoxide dismutase supports an endosymbiotic origin for chloroplasts and mitochondria. Grace SC. **Life Sci** 1990;47(21):1875–86 (114 ref.)

THERAPEUTIC USE

Superoxide dismutase therapy for myocardial ischemia. Downey JM, et al. **Free Radic Res Commun** 1991;12–13 Pt 2:703–20 (73 ref.)

Radioprotective effect of free radical scavenging enzymes. Jones JB, et al. **J Otolaryngol** 1990 Oct;19(5):299–306 (24 ref.)

SUPPRESSION, GENETIC

Suppression of ras-transformants (review). Kuzumaki N. **Anticancer Res** 1991 Jan–Feb;11(1):313–9 (73 ref.)

Phenotype suppression: a postulated molecular mechanism for mediating the relationship of proliferation and differentiation by Fos/Jun interactions at AP-1 sites in steroid responsive promoter elements of tissue-specific genes. Lian JB, et al. **J Cell Biochem** 1991 Jan;45(1):9–14 (38 ref.)

[UAG suppression in animal cells—synthesis of the sponge ras protein] Kuchino Y. **Tanpakushitsu Kakusan Koso** 1991 Apr;36(5):789–97 (27 ref.) **(Jpn)**

GENETICS

Cancer genetics and cancer suppression. Sachs L. **Cancer Detect Prev** 1990;14(5):539–45 (43 ref.)

SUPPRESSOR CELLS

DRUG EFFECTS

[Immunomodulating therapy of rheumatoid arthritis] Balabanova RM, et al. **Revmatologiia (Mosk)** 1990 Jul–Sep; (3):38–44 (80 ref.) **(Rus)**

IMMUNOLOGY

Nature, function, and regulation of suppressor T-cells in the mouse. Argyris BF. **Immunol Ser** 1989;45:419–36 (120 ref.)

Induction and elimination of suppressor T cells in humans. Gupta S. **Immunol Ser** 1989;45:437–47 (43 ref.)

The distinctive specificity of antigen-specific suppressor T cells. Sercarz E, et al. **Immunol Today** 1991 Apr;12(4):111–8

SUPPRESSOR CELLS

(72 ref.)
[The role of suppressor cells in the mother-fetus system] Shloma DV, et al. **Akush Ginekol (Mosk)** 1991 Feb;(2):13–6 (68 ref.) **(Rus)**

SUPPRESSOR FACTOR, T-CELL, GLIOBLASTOMA-DERIVED see **TRANSFORMING GROWTH FACTOR BETA**

SUPPRESSOR MUTATION see **SUPPRESSION, GENETIC**

SUPPRESSOR TRANSFER RNA see **RNA, TRANSFER**

SUPPURATION

COMPLICATIONS

[Heparin therapy of disseminated intravascular coagulation in pyo-inflammatory diseases in children] Dmitriev VV. **Anesteziol Reanimatol** 1991 Jan-Feb;(1):69–72 (63 ref.) **(Rus)**

SUPRACHIASMATIC NUCLEUS

EMBRYOLOGY

Developmental and functional aspects of grafting of the suprachiasmatic nucleus in the Brattleboro and the arrhythmic rat. Boer GJ, et al. **Eur J Morphol** 1990; 28(2–4):330–45 (42 ref.)

PHYSIOLOGY

Neuropeptide Y in the circadian timing system. Moore RY, et al. **Ann N Y Acad Sci** 1990;611:247–57 (78 ref.)
Physiological basis for photic entrainment. Meijer JH. **Eur J Morphol** 1990;28(2–4):308–16 (28 ref.)

SUPRANUCLEAR PALSY, PROGRESSIVE

COMPLICATIONS

Dystonia in Parkinson's disease, multiple system atrophy, and progressive supranuclear palsy. Rivest J, et al. **Neurology** 1990 Oct;40(10):1571–8 (93 ref.)

SUPRAPUBIC CYSTOSTOMY see **CYSTOSTOMY**

SUPRASELLAR CYST see **CRANIOPHARYNGIOMA**

SUPRATENTORIAL NEOPLASMS

CLASSIFICATION

Supratentorial tumours. Part II: Tumours of neuroglial cells. Sage MR. **Australas Radiol** 1991 Feb;35(1):18–30 (39 ref.)

DIAGNOSIS

Supratentorial tumours. Part I: General role of imaging. Sage MR. **Australas Radiol** 1991 Feb;35(1):4–17 (57 ref.)

SURAL NERVE

PATHOLOGY

[Accidental poisoning with podophyllin: a case with study of peripheral nerve] Chapon F, et al. **Rev Neurol (Paris)** 1991;147(3):240–3 (18 ref.) (Eng. Abstr.) **(Fre)**

TRANSPLANTATION

Striatal adrenal medulla/sural nerve cografts in hemiparkinsonian monkeys. Hansen JT, et al. **Prog Brain Res** 1990;82:573–80 (33 ref.)

SURAMIN

PHARMACOLOGY

Suramin: the discovery of an old anticancer drug. Zaniboni A. **Med Oncol Tumor Pharmacother** 1990;7(4):287–90 (32 ref.)

THERAPEUTIC USE

Growth factor-receptor pathway interfering treatment by somatostatin analogs and suramin: preclinical and clinical studies. Klijn JG, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):1089–95 (37 ref.)
Suramin, a novel antitumor compound. La Rocca RV, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):893–8 (33 ref.)
Use of suramin in treatment of prostatic carcinoma refractory to conventional hormonal manipulation. LaRocca RV, et al. **Urol Clin North Am** 1991 Feb;18(1):123–9 (43 ref.)

SURFACE-ACTIVE AGENTS

see related
PULMONARY SURFACTANTS

ADVERSE EFFECTS

Skin tolerance to cleansing agents. White IR. **Wien Med Wochenschr Suppl** 1990;108:13–6 (18 ref.)

CHEMISTRY

Effect of surfactants and dispersed components on the activity and reactivity of sorbic acid. Wedzicha BL, et al. **Food Addit Contam** 1990 Sep-Oct;7(5):695–709 (21 ref.)

METABOLISM

Biosurfactants. Cooper DG. **Microbiol Sci** 1986 May; 3(5):145–9 (27 ref.)

THERAPEUTIC USE

Neonatal surfactant deficiency and surfactant replacement therapy. Hallman M, et al. **Int J Technol Assess Health Care** 1991;7 Suppl 1:21–5 (17 ref.)
[Effects of exogenous surfactants on mortality and main complications of hyaline membrane disease] Walti H, et al. **Pediatrie** 1990;45(10):657–63 (25 ref.) (Eng. Abstr.) **(Fre)**

TOXICITY

Chronic toxicities of surfactants and detergent builders to algae: a review and risk assessment. Lewis MA. **Ecotoxicol Environ Safety** 1990 Oct;20(2):123–40 (94 ref.)

SURFACE ANTIGENS see **ANTIGENS, SURFACE**

SURFACE GLYCOPROTEINS see **MEMBRANE GLYCOPROTEINS**

SURFACE MARKERS, IMMUNOLOGICAL see **ANTIGENS, SURFACE**

SURFACE PROTEINS see **MEMBRANE PROTEINS**

SURFACE VARIANT GLYCOPROTEINS, TRYPANOSOMA see **VARIANT SURFACE GLYCOPROTEINS, TRYPANOSOMA**

SURFACTANT, PULMONARY see **PULMONARY SURFACTANTS**

SURFACTANTS see **SURFACE-ACTIVE AGENTS**

SURGERY

Human immunodeficiency virus and the thoracic surgeon. Stiles QR. **Ann Thorac Surg** 1991 Feb;51(2):341–3 (18 ref.)
Do otolaryngologist-head and neck surgeons and/or chemotherapy have a role in the treatment of head and neck cancer? Schuller DE. **Arch Otolaryngol Head Neck Surg** 1991 May; 117(5):498–501 (20 ref.)
Methods to reduce intraoperative transmission of blood-borne disease. Hester RA, et al. **J Bone Joint Surg [Am]** 1991 Aug;73(7):1108–11 (47 ref.)
Surgeons with HIV infection: the risk to patients. Schaffner W. **J Hosp Infect** 1991 Jun;18 Suppl A:191–6 (8 ref.)
Current surgical controversies over HIV infection [editorial] Shanson DC. **J Hosp Infect** 1991 Feb;17(2):77–81 (23 ref.)
A surgeon's risk of AIDS. Schiff SJ. **J Neurosurg** 1990 Nov; 73(5):651–60 (64 ref.)
Mycotic infection and the pediatric surgeon. Nagar H. **Mycopathologia** 1990 Dec;112(3):147–55 (87 ref.)

EDUCATION

Preparing surgery house officers for their teaching role. Sheets KJ, et al. **Am J Surg** 1991 Apr;161(4):443–9 (43 ref.)

TRENDS

[Advances in general surgery in past 40 years in China] Zhu Y, et al. **Chung Hua Wai Ko Tsa Chih** 1991 Jan;29(1):29–35 (0 ref.) **(Chi)**

SURGERY, LASER see **LASER SURGERY**

SURGERY, MINOR

Local anesthesia for soft-tissue surgery. Ehlert TK, et al. **Otolaryngol Clin North Am** 1990 Oct;23(5):831–44 (16 ref.)
[Selection of anesthetic methods for diagnostic and therapeutic minor surgery] Strasser K. **Klin Anasthesiol Intensivther** 1989;37:200–3 (5 ref.) **(Ger)**

SURGERY, OFFICE see **AMBULATORY SURGERY**

SURGERY, OPERATIVE

see related
INTRAOPERATIVE COMPLICATIONS
OPERATING ROOMS
POSTOPERATIVE COMPLICATIONS

Surgery in the aged. Koruda MJ, et al. **Adv Surg** 1991; 24:293–331 (182 ref.)
Perioperative management of surgical patients with diabetes mellitus [see comments] Hirsch IB, et al. **Anesthesiology** 1991 Feb;74(2):346–59 (130 ref.) Comment in: Anesthesiology 1991 Feb;74(2):209–11.
Potassium in the perioperative period. Vaughan RS. **Br J Anaesth** 1991 Aug;67(2):194–200 (41 ref.)
Safe surgery in sickle cell disease. Banerjee AK, et al. **Br J Surg** 1991 May;78(5):516–7 (12 ref.)
Preoperative evaluation of the cardiac patient for noncardiac surgery. Barash PG. **Can J Anaesth** 1991 May;38(4 Pt 2):R134–44 (41 ref.) **(Eng, Fre)**
Perioperative management of the asthmatic patient. Hirshman CA. **Can J Anaesth** 1991 May;38(4 Pt 2):R26–38 (62 ref.) **(Eng, Fre)**
Perioperative considerations for patients treated with bleomycin. Waid-Jones MI, et al. **Chest** 1991 Apr; 99(4):993–9 (56 ref.)
Role of insulin in management of surgical patients with diabetes mellitus. Hirsch IB, et al. **Diabetes Care** 1990 Sep; 13(9):980–91 (116 ref.)
Macrophage function and surgery. A clinical review with special reference to phagocytosis. Athlin L, et al. **Eur J Surg** 1991 Mar;157(3):163–70 (83 ref.)
Measurement of tissue perfusion by oxygen transport patterns in experimental shock and in high-risk surgical patients. Shoemaker WC, et al. **Intensive Care Med** 1990;16 Suppl 2:S135–44 (35 ref.)
Human immunodeficiency virus and the surgeon. Hebra A, et al. **J S C Med Assoc** 1990 Sep;86(9):479–83 (17 ref.)
Hormonal and metabolic response to operative stress in the neonate. Schmeling DJ, et al. **JPEN J Parenter Enteral Nutr** 1991 Mar-Apr;15(2):215–38 (250 ref.)
Zinc in clinical surgery--a research review. Okada A, et al. **Jpn J Surg** 1990 Nov;20(6):635–44 (36 ref.)
Practical aspects of anesthesia in non-cardiac surgery--choice of anesthetic: local or general? Hempelmann G, et al. **Middle East J Anesthesiol** 1990 Oct; 10(6):579–84 (10 ref.)
Anesthetic management of patients with congenital heart disease coming for non-cardiac surgery. al Khudhairi D. **Middle East J Anesthesiol** 1990 Oct;10(6):585–93 (23 ref.)
Preoperative assessment and preparation--an anesthesiologist's view. Morgan M. **Middle East J Anesthesiol** 1990 Oct;10(6):567–78 (17 ref.)
Preoperative evaluation of hematologic status. Calandri C, et al. **Mt Sinai J Med** 1991 Jan;58(1):41–7 (40 ref.)
Preoperative evaluation of the patient with liver disease. Conn M. **Mt Sinai J Med** 1991 Jan;58(1):75–80 (15 ref.)
Preoperative evaluation of the patient with endocrine disease. Gilbert PL. **Mt Sinai J Med** 1991 Jan;58(1):58–68 (25 ref.)
Preoperative evaluation of the patient with chronic renal disease. Gilbert PL, et al. **Mt Sinai J Med** 1991 Jan; 58(1):69–74 (30 ref.)
The internist as preoperative consultant: risk assessment and management. Gilbert PL. **Mt Sinai J Med** 1991 Jan; 58(1):3–8 (21 ref.)
Prevention of deep venous thrombosis and pulmonary embolism in surgical patients. Halperin JL. **Mt Sinai J Med** 1991 Jan;58(1):28–33 (34 ref.)
Preoperative evaluation of pulmonary status. Klein JT, et al. **Mt Sinai J Med** 1991 Jan;58(1):37–40 (28 ref.)
Preoperative evaluation of the patient with cardiac disease. Sklaroff HJ. **Mt Sinai J Med** 1991 Jan;58(1):48–57 (33 ref.)
Overview of surgery: 1991. Collins JA. **Surg Annu** 1991;23 Pt 1:1–29 (241 ref.)
Operative ultrasound: ten years of experience. Machi J, et al. **Surg Annu** 1991;23 Pt 1:73–90 (32 ref.)
Nutrition and metabolism in sepsis and multisystem organ failure. Baue AE. **Surg Clin North Am** 1991 Jun; 71(3):549–65 (61 ref.)
Amino acids in surgical nutrition. Principles and practice. Dudrick PS, et al. **Surg Clin North Am** 1991 Jun; 71(3):459–76 (63 ref.)
Perioperative nutritional support. Ellis LM, et al. **Surg Clin North Am** 1991 Jun;71(3):493–507 (57 ref.)
Nutritional assessment and indications for nutritional support. Smith LC, et al. **Surg Clin North Am** 1991 Jun;71(3):449–57 (26 ref.)
[Normovolemic hemodilution] Côté DJ. **Can J Anaesth** 1991 Mar;38(2):243–51 (54 ref.) (Eng. Abstr.) **(Fre)**
[The surgical risk in patients with cardiac diseases] Kothe K, et al. **Anaesthesiol Reanim** 1991;16(2):84–92 (30 ref.) (Eng. Abstr.) **(Ger)**
[Autologous blood transfusion in general surgery] Martin M, et al. **Anasthesiol Intensivmed Notfallmed Schmerzther** 1991 Jun;26(4):211–3 (6 ref.) **(Ger)**
[Anesthetic methods for patients at risk in major surgery] Schaer HM. **Klin Anasthesiol Intensivther** 1989;37:204–13 (20 ref.) **(Ger)**
[Stabilization of the perioperative heat balance] Turner E, et al. **Klin Anasthesiol Intensivther** 1990;38:152–60 (21 ref.) **(Ger)**
[The effects of the responses to surgical stresses] Tsuji H. **Nippon Geka Gakkai Zasshi** 1990 Oct;91(10):1519–23 (21 ref.) **(Jpn)**
[Transfusion therapy and volume treatment in elective surgery and traumas] Søndenaa K, et al. **Tidsskr Nor Laegeforen** 1990 Nov 30;110(29):3725–8 (52 ref.) (Eng. Abstr.) **(Nor)**
[The role of toxic forms of oxygen in the development of complications during operations using extracorporeal circulation] Petukhov EB, et al.

Grud Serdechnososudistaia Khir 1991 Jan;(1):44–6 (84 ref.) **(Rus)**

[Infusions into the venous bed of the bones] Atiasov NI. **Vestn Khir** 1991 Mar;146(3):134–7 (21 ref.) **(Rus)**

ADVERSE EFFECTS

Perioperative stroke. Part I: General surgery, carotid artery disease, and carotid endarterectomy. Wong DH. **Can J Anaesth** 1991 Apr;38(3):347–73 (351 ref.)

Kinin/prostaglandin system: its therapeutic value in surgical stress. Hartl WH, et al. **Crit Care Med** 1990 Oct; 18(10):1167–74 (134 ref.)

[Operative risk. Patient evaluation, informed consent] Ariani G, et al. **Minerva Anestesiol** 1991 Jan–Feb;57(1–2):39–42 (17 ref.) (Eng. Abstr.) **(Ita)**

[Acquired immunodeficiency syndrome and surgery] Karavanov AG. **Klin Khir** 1991;(2):38–41 (63 ref.) **(Rus)**

CONTRAINDICATIONS

Risk prediction in medicine and surgery: ethical and practical considerations. Seymour DG, et al. **J R Coll Physicians Lond** 1990 Jul;24(3):173–7 (36 ref.)

METHODS

New operative technique to reduce surgeons' risk of HIV infection. Raahave D, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:177–83 (22 ref.)

Towards safer surgery. Sim AJ. **J Hosp Infect** 1991 Jun;18 Suppl A:184–90 (3 ref.)

Surgery of the frontal sinuses. Montgomery WW. **Otolaryngol Clin North Am** 1971 Feb;4(1):97–126 (24 ref.)

MORTALITY

[Preoperative cardiovascular risk assessment] Erdmann E. **Internist (Berl)** 1991 Apr;32(4):220–5 (25 ref.) **(Ger)**

PSYCHOLOGY

Intra-anesthetic awareness. Eldor J, et al. **Resuscitation** 1991 Apr;21(2–3):113–9 (56 ref.)

REHABILITATION

[Prognostic-nutritional indices] Staniaszczyk M, et al. **Wiad Lek** 1990 Dec 1–15;43(23–24):1120–6 (50 ref.) **(Pol)**

STANDARDS

Multimodality therapy in advanced cervical carcinoma. Whitney CW. **Curr Opin Obstet Gynecol** 1990 Feb; 2(1):85–91 (12 ref.)

Quality assurance in the surgical intensive care unit. Where it came from and where it's going. Osler T, et al. **Surg Clin North Am** 1991 Aug;71(4):887–904 (47 ref.)

TRENDS

[Autologous blood transfusion in surgery: its present-day status and the prospects of its development] Lytkin MI, et al. **Vestn Khir** 1990 Apr;144(4):141–5 (63 ref.) **(Rus)**

SURGERY, ORAL

Care of the asthmatic oral and maxillofacial surgery patient. Hoffman MJ, et al. **J Oral Maxillofac Surg** 1991 Jan; 49(1):69–75 (77 ref.)

Preoperative laboratory testing for the oral and maxillofacial surgery patient. Wagner JD, et al. **J Oral Maxillofac Surg** 1991 Feb;49(2):177–82 (72 ref.)

Antimicrobial prophylaxis in oral surgery. Heimdahl A, et al. **Scand J Infect Dis Suppl** 1990;70:91–101 (65 ref.)

[Hemorrhagic diathesis and oral surgery] Grignani G, et al. **Minerva Stomatol** 1990 Oct;39(10):789–96 (19 ref.) (Eng. Abstr.) **(Ita)**

SURGERY, ORAL, PREPROSTHETIC

Reconstructive preprosthetic surgery. I. Anatomical considerations. Cawood JI, et al. **Int J Oral Maxillofac Surg** 1991 Apr;20(2):75–82 (10 ref.)

The rehabilitation of oral defects by osseointegrated implants. van Steenberghe D, et al. **J Clin Periodontol** 1991 Jul; 18(6):488–93 (36 ref.)

SURGERY, OUTPATIENT see **AMBULATORY SURGERY**

SURGERY, PLASTIC

Cosmetic breast surgery—is it useful? Green MF. **Br J Clin Pract Symp Suppl** 1989 Nov;68:151–5; discussion 157–8 (11 ref.)

Aesthetic surgery of the face. Tardy ME Jr, et al. **Dermatol Clin** 1991 Jan;9(1):169–87 (15 ref.)

Silicone, fibrel, and collagen implantation for facial lines and wrinkles. Pollack SV. **J Dermatol Surg Oncol** 1990 Oct; 16(10):957–61 (16 ref.)

Plastic surgery. Dellon AL. **JAMA** 1991 Jun 19; 265(23):3160–2 (23 ref.)

Plastic and reconstructive surgery in the Dominican Republic. Geraghty T, et al. **Mo Med** 1991 Feb;88(2):91–7 (11 ref.)

Local anesthesia for soft-tissue surgery. Ehlert TK, et al. **Otolaryngol Clin North Am** 1990 Oct;23(5):831–44 (16 ref.)

Reconstruction after mastectomy. Bostwick J 3d. **Surg Clin North Am** 1990 Oct;70(5):1125–40 (32 ref.)

Advances in aesthetic surgery. Mitz V. **World J Surg** 1990 Nov–Dec;14(6):825–8 (21 ref.)

[Advances in augmentation mammaplasty] Liu LG, et al. **Chung Hua Cheng Hsing Shao Shang Wai Ko Tsa Chih** 1991 Mar;7(1):58–60 (21 ref.) **(Chi)**

ADVERSE EFFECTS

[Glaucoma as etiopathogenic hypothesis of amaurosis after blepharoplasty. Apropos of a clinical case] Scuderi N, et al. **Ann Chir Plast Esthet** 1990;35(5):410–3 (21 ref.) (Eng. Abstr.) **(Fre)**

METHODS

Philosophy, technical principles, selection, and indication in body contouring surgery. Baroudi R, et al. **Aesthetic Plast Surg** 1991 Winter;15(1):1–18 (44 ref.)

Laser applications in cosmetic surgery. Toregard BM. **Ann Chir Gynaecol** 1990;79(4):208–15 (9 ref.)

Extended blepharoplasty. Adamson PA, et al. **Arch Otolaryngol Head Neck Surg** 1991 Jun;117(6):606–9; discussion 610 (6 ref.)

Evaluation of facial skeletal aesthetics and surgical planning. Bartlett SP, et al. **Clin Plast Surg** 1991 Jan;18(1):1–9 (28 ref.)

Alloplastic augmentation of the anterior mandible. Flowers RS. **Clin Plast Surg** 1991 Jan;18(1):107–38 (27 ref.)

Nasal base, maxillary, and infraorbital implants—alloplastic. Hinderer UT. **Clin Plast Surg** 1991 Jan;18(1):87–105 (52 ref.)

Calf augmentation and correction of contour deformities. Howard PS. **Clin Plast Surg** 1991 Jul;18(3):601–13 (11 ref.)

A surgical system for the correction of bony chin deformity. McCarthy JG, et al. **Clin Plast Surg** 1991 Jan;18(1):139–52 (21 ref.)

Alloplastic cheek augmentation. Mladick RA. **Clin Plast Surg** 1991 Jan;18(1):29–38 (23 ref.)

Segmental osteotomy of the upper and lower jaw. Ohmori K, et al. **Clin Plast Surg** 1991 Jan;18(1):163–9 (4 ref.)

Aesthetic surgery of the facial skeleton: the forehead. Ortiz Monasterio F. **Clin Plast Surg** 1991 Jan;18(1):19–27 (13 ref.)

Mandibular angle augmentation and reduction. Ousterhout DK. **Clin Plast Surg** 1991 Jan;18(1):153–61 (12 ref.)

When osteotomies should be considered. Rosen HM. **Clin Plast Surg** 1991 Jan;18(1):205–12 (10 ref.)

Management of extremity injuries with external fixator or Ilizarov devices. Cooperative effort between orthopedic and plastic surgeons. Vasconez HC, et al. **Clin Plast Surg** 1991 Jul;18(3):505–13 (32 ref.)

Skeletal alterations as a basis for facial rejuvenation. Whitaker LA, et al. **Clin Plast Surg** 1991 Jan;18(1):197–203 (21 ref.)

Temporal and malar-zygomatic reduction and augmentation. Whitaker LA. **Clin Plast Surg** 1991 Jan;18(1):55–64 (16 ref.)

Malar augmentation using autogenous materials. Wolfe SA, et al. **Clin Plast Surg** 1991 Jan;18(1):39–54 (44 ref.)

Z-plasty. Davis WE, et al. **Otolaryngol Clin North Am** 1990 Oct;23(5):875–87 (11 ref.)

Incision planning and basic soft-tissue surgery. Freeman MS. **Otolaryngol Clin North Am** 1990 Oct;23(5):865–74 (7 ref.)

Reconstruction of the lip. Renner GJ, et al. **Otolaryngol Clin North Am** 1990 Oct;23(5):975–90 (13 ref.)

Injuries of the external ear. Templer J, et al. **Otolaryngol Clin North Am** 1990 Oct;23(5):1003–18 (20 ref.)

Scar revision and camouflage. Thomas JR, et al. **Otolaryngol Clin North Am** 1990 Oct;23(5):963–73 (15 ref.)

The Tessier number 5 cleft: a report of two cases and a review of the literature. Galante G, et al. **Plast Reconstr Surg** 1991 Jul;88(1):131–5 (22 ref.)

The treatment of vaginal atresia. Tolhurst DE, et al. **Surg Gynecol Obstet** 1991 May;172(5):407–14 (58 ref.)

[Procedures for repairing skin losses of the knee with joint exposure] Tropet Y, et al. **Rev Chir Orthop** 1991; 77(3):198–204 (17 ref.) (Eng. Abstr.) **(Fre)**

[Repair of enlarged orbital exenteration cavities] Gola R, et al. **Rev Stomatol Chir Maxillofac** 1991;92(1):8–13 (12 ref.) (Eng. Abstr.) **(Fre)**

[Plastic surgery aspects in small breast cancer] Spilker G, et al. **Chirurg** 1991 Feb;62(2):91–7 (21 ref.) **(Ger)**

PSYCHOLOGY

Psychosocial considerations in interface surgery. Pertschuk M. **Clin Plast Surg** 1991 Jan;18(1):11–8 (33 ref.)

TRENDS

Plastic surgery in China. Wang DM, et al. **Chin Med J (Engl)** 1991 May;104(5):355–7 (11 ref.)

[Advances and retrospect of plastic surgery in past 40 years in China] Kong FG. **Chung Hua Wai Ko Tsa Chih** 1991 Jan;29(1):50–2 (0 ref.) **(Chi)**

SURGERY, REPEAT see **REOPERATION**

SURGICAL ANASTOMOSIS see **ANASTOMOSIS, SURGICAL**

SURGICAL BLOOD LOSS see **BLOOD LOSS, SURGICAL**

SURGICAL DIATHERMY see **ELECTROCOAGULATION**

SURGICAL FLAPS

Monitoring in microvascular surgery. Furnas H, et al. **Ann Plast Surg** 1991 Mar;26(3):265–72 (75 ref.)

Modified nasolabial transposition flap provides vestibular lining and cover of alar defect with intact rim. Robinson JK, et al. **Arch Dermatol** 1990 Nov;126(11):1425–7 (14 ref.)

Pharyngeal flap surgery in adults. Hall CD, et al. **Cleft Palate Craniofac J** 1991 Apr;28(2):179–82; discussion 182–3 (18 ref.)

The reconstruction of skin. How and why. Prunieras M. **Int J Dermatol** 1990 Oct;29(8):553–6 (13 ref.)

Slit grafting: the use of serrated island grafts in male and female-pattern alopecia. Swinehart JM, et al. **J Dermatol Surg Oncol** 1991 Mar;17(3):243–53 (14 ref.)

An improved technique for development of the pectoralis major myocutaneous flap. Marx RE, et al. **J Oral Maxillofac Surg** 1990 Nov;48(11):1168–80 (19 ref.)

Regional flaps in facial reconstruction. Baker SR. **Otolaryngol Clin North Am** 1990 Oct;23(5):925–46 (17 ref.)

Design of local skin flaps. Larrabee WF Jr. **Otolaryngol Clin North Am** 1990 Oct;23(5):899–923 (27 ref.)

Progress in flap surgery: greater anatomical understanding and increased sophistication in application. Lamberty BG, et al. **World J Surg** 1990 Nov–Dec;14(6):776–85 (50 ref.)

[Oxygen free radicals and ischemia-reperfusion injury of flaps] Feng F, et al. **Chung Hua Cheng Hsing Shao Shang Wai Ko Tsa Chih** 1990 Dec;6(4):299–301 (23 ref.) **(Chi)**

[Prevention and treatment of flap necrosis by drugs] Zheng JW. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1990 May; 25(3):176–8 (17 ref.) **(Chi)**

[Repair of chest wall defects after full thickness surgical resection] Abbes M, et al. **Ann Chir** 1990;44(8):673–80 (20 ref.) (Eng. Abstr.) **(Fre)**

[Vaginal and perineal reconstruction following excision for cancer. Apropos of 4 cases] Abbes M, et al. **Ann Chir Plast Esthet** 1991;36(1):54–60 (17 ref.) (Eng. Abstr.) **(Fre)**

[Tissue losses of the heel] Abifadel M, et al. **Ann Chir Plast Esthet** 1990;35(4):331–3 (15 ref.) (Eng. Abstr.) **(Fre)**

[Procedures for repairing skin losses of the knee with joint exposure] Tropet Y, et al. **Rev Chir Orthop** 1991; 77(3):198–204 (17 ref.) (Eng. Abstr.) **(Fre)**

[Partial vertical laryngectomies and reconstruction with plathysma myocutaneous flap] Camponês do Brasil OO, et al. **Rev Laryngol Otol Rhinol (Bord)** 1991;112(1):45–53 (84 ref.) (Eng. Abstr.) **(Fre)**

[Role of the free forearm flap in reconstruction after total circular pharyngolaryngectomy. Review of the literature and a case report] Rodier-Bruant C, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(3):255–60 (39 ref.) (Eng. Abstr.) **(Fre)**

[Use of the greater omentum in thoracic surgery] Levashev IuN, et al. **Grud Serdechnososudistaia Khir** 1990;(10):72–4 (55 ref.) **(Rus)**

[Dermatoplasty using autologous transplants in postoperative ventral hernia] Nartsissov TV, et al. **Klin Khir** 1991;(3):65–7 (79 ref.) **(Rus)**

ADVERSE EFFECTS

Complications of flaps. Salasche SJ, et al. **J Dermatol Surg Oncol** 1991 Feb;17(2):132–40 (25 ref.)

METHODS

A schema for local flap selection in the upper extremity: a hypothesis. Hallock GG. **Ann Plast Surg** 1990 Dec; 25(6):479–83 (64 ref.)

Combined skin and skin-muscle flap technique in lower blepharoplasty: a 10-year experience. Massiha H. **Ann Plast Surg** 1990 Dec;25(6):467–76 (10 ref.)

Composite free flaps in oromandibular reconstruction. Review of the literature. Urken ML. **Arch Otolaryngol Head Neck Surg** 1991 Jul;117(7):724–32 (99 ref.)

The lower trapezius island musculocutaneous flap revisited. Report of 45 cases and a unifying concept of the vascular supply. Urken ML, et al. **Arch Otolaryngol Head Neck Surg** 1991 May;117(5):502–11 (21 ref.)

Fasciocutaneous flaps in reconstruction of the lower extremity. Fix RJ, et al. **Clin Plast Surg** 1991 Jul; 18(3):571–82 (37 ref.)

Microvascular reconstruction of the lower extremity in the elderly. Goldberg JA, et al. **Clin Plast Surg** 1991 Jul; 18(3):459–65 (49 ref.)

Prevention of complications and correction of postoperative problems in microsurgery of the lower extremity. Grotting JC. **Clin Plast Surg** 1991 Jul;18(3):485–9 (5 ref.)

Muscle flap coverage for the lower extremity. Guzman-Stein G, et al. **Clin Plast Surg** 1991 Jul;18(3):545–52 (19 ref.)

Fasciocutaneous flaps. Lamberty BG, et al. **Clin Plast Surg** 1990 Oct;17(4):713–26 (72 ref.)

Muscle and musculocutaneous flaps of the foot. Saltz R, et al. **Clin Plast Surg** 1991 Jul;18(3):627–38 (69 ref.)

Coronally displaced flaps in reconstructive periodontal therapy. Gantes BG, et al. **Dent Clin North Am** 1991 Jul; 35(3):495–504 (19 ref.)

Surgical techniques for reconstructive periodontics. Takei HH. **Dent Clin North Am** 1991 Jul;35(3):531–9 (9 ref.)
A new approach for repair of oro–antral–nasal fistulae. The anteriorly based buccinator myomucosal island flap. Carstens MH, et al. **J Craniomaxillofac Surg** 1991 Feb; 19(2):64–70 (40 ref.)
Local skin flaps on the cheeks. Bennett RG. **J Dermatol Surg Oncol** 1991 Feb;17(2):161–5 (6 ref.)
Flap dynamics. Dzubow LM. **J Dermatol Surg Oncol** 1991 Feb;17(2):116–30 (59 ref.)
Scalp flaps. Field LM. **J Dermatol Surg Oncol** 1991 Feb; 17(2):190–9 (9 ref.)
Ear reconstruction with local flaps. Mellette JR Jr. **J Dermatol Surg Oncol** 1991 Feb;17(2):176–82 (6 ref.)
Periorbital reconstruction. Moy RL, et al. **J Dermatol Surg Oncol** 1991 Feb;17(2):153–9 (2 ref.)
Reconstruction of the lower lip and chin using local and random-pattern flaps. Wheeland RG. **J Dermatol Surg Oncol** 1991 Jul;17(7):605–15 (30 ref.)
Reconstruction of the nose with local flaps. Zitelli JA, et al. **J Dermatol Surg Oncol** 1991 Feb;17(2):184–9 (4 ref.)
Identification of muscle flaps in small animals. Gregory CR, et al. **Microsurgery** 1991;12(2):136–9 (16 ref.)
Axial pattern skin flaps in cats. Remedios AM, et al. **Microsurgery** 1991;12(2):125–9 (17 ref.)
Revascularization studies of an opposing eyelid pedicle flap. Silkiss RZ, et al. **Ophthal Plast Reconstr Surg** 1989; 5(2):110–7 (22 ref.)
Conceptual approach to eyelid reconstruction. Custer PL. **Otolaryngol Clin North Am** 1990 Oct;23(5):991–1002 (7 ref.)
Nasal fistulas. Krause CJ. **Otolaryngol Clin North Am** 1973 Oct;6(3):791–800 (2 ref.)
Cerebrospinal fluid rhinorrhea. Montgomery WW. **Otolaryngol Clin North Am** 1973 Oct;6(3):757–71 (11 ref.)
Gracilis myocutaneous flap for the coverage of an extensive scrotoperineal defect and protection of the ruptured urethra and testes. Lee YT, et al. **Yonsei Med J** 1990 Jun; 31(2):187–91 (19 ref.)
[Use of a posterior temporal muscle flap in surgery of the temporomandibular joint] Cheynet F, et al. **Rev Stomatol Chir Maxillofac** 1991;92(2):84–91 (27 ref.) (Eng. Abstr.) **(Fre)**
[Primary soft tissue treatment and soft tissue reconstruction] Knopp W, et al. **Chirurg** 1991 May;62(5):378–87 (17 ref.) **(Ger)**
[Vascularized periosteal transplant. A review of a new therapeutic possibility] Stock W, et al. **Handchir Mikrochir Plast Chir** 1991 May;23(3):149–56 (56 ref.) (Eng. Abstr.) **(Ger)**

SURGICAL INSTRUMENTS

Bone cutting. Giraud JY, et al. **Clin Phys Physiol Meas** 1991 Feb;12(1):1–19 (57 ref.)
[Surgery with invasive performance ultrasound] Heiland L, et al. **Biomed Tech (Berlin)** 1990;35 Suppl 3:318–9 (5 ref.) **(Ger)**
[Surgical dissection and anastomosis in medicine—from the viewpoint of technique] Reidenbach HD. **Biomed Tech (Berlin)** 1990;35 Suppl 3:1–9 (11 ref.) **(Ger)**

SURGICAL REPLANTATION see **REPLANTATION**

SURGICAL REVISION see **REOPERATION**

SURGICAL SCRUB see **HANDWASHING**

SURGICAL STAPLERS

Staple closure of the hypopharynx after diverticulectomy and total laryngectomy. Wolfensberger M, et al. **Dysphagia** 1991;6(1):26–9 (26 ref.)
Gastrointestinal tumours after stapler vs vicryl anastomoses in carcinogen-treated rats. Buhr HJ, et al. **Eur J Surg Oncol** 1990 Dec;16(6):493–6 (21 ref.)
[Current status and perspectives of mechanical suture techniques in abdominal and thoracic surgery] Kockel N, et al. **Zentralbl Chir** 1991;116(4):219–41 (54 ref.) (Eng. Abstr.) **(Ger)**
[Eversion-resection with stapler in cancer of the rectum. Original technique for preserving the sphincter in extreme cases] Tamames Escobar S. **An R Acad Nac Med (Madr)** 1990;107(3):483–91 (21 ref.) **(Spa)**

SURGICAL WOUND DEHISCENCE

COMPLICATIONS

[Postoperative ventral hernia] Nartsissov TV, et al. **Sov Med** 1991;(1):35–7 (62 ref.) **(Rus)**

ETIOLOGY

[Surgical tactics in bleeding duodenal ulcers] Khachiev LG, et al. **Khirurgiia (Mosk)** 1990 Jul;(7):32–6 (50 ref.) (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Prevention of postoperative suppurative-inflammatory complications in gastrointestinal surgery] Gataullin NG, et al. **Khirurgiia (Mosk)** 1990 Sep;(9):160–3 (78 ref.) **(Rus)**

[Use of fibrin glue in thoracic surgery] Astrozhnikov IuV, et al. **Vestn Khir** 1990 Oct;145(10):133–7 (45 ref.) **(Rus)**

THERAPY

Complications of foot surgery. Wound dehiscence, hypertrophic scars, and keloids. Wilczynski RJ. **Clin Podiatr Med Surg** 1991 Apr;8(2):359–65 (12 ref.)

SURGICAL WOUND INFECTION

[Deep infections of the sternal wound following heart surgery: postoperative mediastinitis] Aguado JM. **Enferm Infece Microbiol Clin** 1991 Apr;9(4):226–36 (118 ref.) **(Spa)**

COMPLICATIONS

[Non-clostridium anaerobic infections in abdominal surgery] Shevchuk MG, et al. **Klin Khir** 1991;(1):46–9 (56 ref.) **(Rus)**

DIAGNOSIS

Recurrent aortic graft infection following descending thoracic aorta to femoral artery bypass. A case report and review. Costantino MJ. **J Cardiovasc Surg (Torino)** 1991 Jul–Aug;32(4):477–81 (22 ref.)
Diagnosis and management of the infected total joint arthroplasty. Cuckler JM, et al. **Orthop Clin North Am** 1991 Jul;22(3):523–30 (37 ref.)
[Diagnosis of early postoperative intra-abdominal complications] Kachurin VS, et al. **Vestn Khir** 1991 Jan; 146(1):134–6 (33 ref.) **(Rus)**

DRUG THERAPY

Management of recurrent infection following surgery for periductal mastitis. Hughes LE. **Br J Clin Pract Symp Suppl** 1989 Nov;68:81–5; discussion 87–9 (8 ref.)
Newer concepts in antimicrobial therapy. Gentry LO. **Clin Orthop** 1990 Dec;(261):23–6 (12 ref.)
Topical antibiotic irrigation in the prophylaxis of operative wound infections in orthopedic surgery. Dirschl DR, et al. **Orthop Clin North Am** 1991 Jul;22(3):419–26 (45 ref.)
Design and evaluation of clinical trials of antimicrobial agents in surgery. Dellinger EP. **Surg Gynecol Obstet** 1991;172 Suppl:65–72 (42 ref.)
[Treatment of local infection with taurolin] Burri C. **Aktuel Probl Chir Orthop** 1990;34:78–84 (7 ref.) **(Ger)**
[Current state of the problem of antibiotic therapy of surgical infection in the abdominal cavity] Zubarev PN, et al. **Vestn Khir** 1990 Apr;144(4):145–8 (34 ref.) **(Rus)**

EPIDEMIOLOGY

Infection in orthopaedic implants. Sanderson PJ. **J Hosp Infect** 1991 Jun;18 Suppl A:367–75 (20 ref.)
[Infectious complications in the orthoptic liver transplant] Repáraz Padrós J. **Rev Med Univ Navarra** 1990 Jan–Mar; 34(1):41, 43–7, 49–50 (58 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Infection complicating orthopedic procedures and arthroplasties. Ross AC. **Curr Opin Rheumatol** 1990 Aug; 2(4):628–34 (10 ref.)
Infection in total joint replacement. Gillespie WJ. **Infect Dis Clin North Am** 1990 Sep;4(3):465–84 (119 ref.)
New aspects in the pathogenesis and prevention of polymer-associated foreign-body infections caused by coagulase-negative staphylococci. Jansen B, et al. **J Invest Surg** 1989;2(4):361–80 (91 ref.)
Molecular aspects of bacterial adhesion, colonization, and development of infections associated with biomaterials. Wadström T. **J Invest Surg** 1989;2(4):353–60 (40 ref.)
A unique inlet [the ascending aorta] for extra-anatomic bypass of infected arterial prostheses. Yared SF, et al. **J Ky Med Assoc** 1991 Jun;89(6):274–6 (17 ref.)
Mycotic infection and the pediatric surgeon. Nagar H. **Mycopathologia** 1990 Dec;112(3):147–55 (87 ref.)
Complications of penetrating keratoplasty: graft infections. Varley GA, et al. **Refract Corneal Surg** 1991 Jan–Feb; 7(1):62–6 (19 ref.)
Fecal diversion for Crohn disease of the colon. Winslet MC, et al. **Surg Annu** 1991;23 Pt 2:99–110 (49 ref.)
[The role of the immune system in the pathogenesis and treatment of suppurative-inflammatory diseases after cesarean section] Timoshenko LV, et al. **Akush Ginekol (Mosk)** 1990 Nov;(11):9–12 (63 ref.) **(Rus)**
[Suppurative complications in reconstructive surgery of the aorta and arteries of the lower extremities] Genyk SN, et al. **Khirurgiia (Mosk)** 1990 Nov;(11):147–50 (51 ref.) **(Rus)**

IMMUNOLOGY

[Antimicrobial activity of neutrophils and the methods of its study in surgical practice. Report I. Characteristics of the structure and non-oxygen dependent bactericidal mechanism of the neutrophils] Medvetskiĭ EB, et al. **Klin Khir** 1991;(2):45–7 (16 ref.) **(Rus)**

MICROBIOLOGY

Patterns of bacterial infection in calves implanted with artificial hearts. Burns GL, et al. **ASAIO Trans** 1990 Jul–Sep;36(3):M138–40 (14 ref.)
Infections with Chryseomonas luteola (CDC group Ve-1) and Flavimonas oryzihabitans (CDC group Ve-2) in neurosurgical patients. Kostman JR, et al. **Rev Infect Dis** 1991 Mar–Apr;13(2):233–6 (17 ref.)
Serious infectious complications of midsternotomy: a review of bacteriology and antimicrobial therapy. Siegman-Igra Y, et al. **Scand J Infect Dis** 1990;22(6):633–43 (32 ref.)

PREVENTION & CONTROL

Patient costs for prophylaxis and treatment of obstetric and gynecologic surgical infections. Stein GE. **Am J Obstet Gynecol** 1991 May;164(5 Pt 2):1377–80 (29 ref.)
Antimicrobial prophylaxis in coronary bypass surgery: a critical appraisal. Ariano RE, et al. **DICP** 1991 May; 25(5):478–84 (42 ref.)
Antibiotic prophylaxis in hysterectomy and induced abortion. A review of the evidence. Houang ET. **Drugs** 1991 Jan; 41(1):19–37 (102 ref.)
Postoperative endophthalmitis. Elston RA, et al. **J Hosp Infect** 1991 Apr;17(4):243–53 (49 ref.)
Appendicitis in children: current therapeutic recommendations. Neilson IR, et al. **J Pediatr Surg** 1990 Nov;25(11):1113–6 (16 ref.)
Sepsis in orthopedic surgery. Drez D Jr, et al. **Orthopedics** 1991 Feb;14(2):157–62 (33 ref.)
Antimicrobial prophylaxis in oral surgery. Heimdahl A, et al. **Scand J Infect Dis Suppl** 1990;70:91–101 (65 ref.)
Antibiotic choices in surgical intensive care unit patients. Reed RL 2d. **Surg Clin North Am** 1991 Aug;71(4):765–89 (184 ref.)
[Incidence of infection, causes and prevention of osteitis in trauma surgery] Haas N, et al. **Aktuel Probl Chir Orthop** 1990;34:8–26 (19 ref.) **(Ger)**
[Antibiotic therapy—what is certain?] Hansis M. **Aktuel Probl Chir Orthop** 1990;34:28–31 (15 ref.) **(Ger)**
[Perioperative prevention in ophthalmologic microsurgery] Draeger J, et al. **Fortschr Ophthalmol** 1990;87 Suppl:S101–9 (31 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Salvage of prosthetic grafts and joints in the lower extremity. Budny PJ, et al. **Clin Plast Surg** 1991 Jul;18(3):583–91 (51 ref.)
Management of total knee arthroplasty infection. Windsor RE. **Orthop Clin North Am** 1991 Jul;22(3):531–8 (25 ref.)
[Stability in post-traumatic osteitis] Burri C. **Aktuel Probl Chir Orthop** 1990;34:44–54 (30 ref.) **(Ger)**
[Bone transplantation in post-traumatic osteitis] Burri C. **Aktuel Probl Chir Orthop** 1990;34:107–26 (42 ref.) **(Ger)**
[Therapy of acute osteitis] Neugebauer R. **Aktuel Probl Chir Orthop** 1990;34:39–43 (9 ref.) **(Ger)**
[Quality control in bone infection] Russe OJ. **Aktuel Probl Chir Orthop** 1990;34:150–2 (9 ref.) **(Ger)**
[Irrigation drainage in local treatment of infection of bones and joints] Wörsdörfer O, et al. **Aktuel Probl Chir Orthop** 1990;34:55–64 (30 ref.) **(Ger)**

THERAPY

A sensible approach to early postoperative foot infection in the otherwise healthy patient. Krantz JG. **Clin Podiatr Med Surg** 1991 Apr;8(2):341–57 (55 ref.)

SURROGATE MOTHERS

Oocyte donation and surrogacy. Serhal P. **Br Med Bull** 1990 Jul;46(3):796–812 (35 ref.)

SURVEILLANCE, IMMUNOLOGIC see **IMMUNOLOGIC SURVEILLANCE**

SURVEY METHODS see **DATA COLLECTION**

SURVIVAL

Human survival from the viewpoint of contextual individualism: discussion paper. Bartalos MK. **J R Soc Med** 1990 Sep;83(9):573–5 (9 ref.)

PSYCHOLOGY

Integrating affect in treatment with adult survivors of physical and sexual abuse. Cornell WF, et al. **Am J Orthopsychiatry** 1991 Jan;61(1):59–69 (38 ref.)
Psychological intervention for victims and helpers after disasters. Alexander DA. **Br J Gen Pract** 1990 Aug; 40(337):345–8 (20 ref.)
Post-traumatic stress disorder in disaster survivors. North CS, et al. **Compr Ther** 1990 Dec;16(12):3–9 (40 ref.)
Trauma and nostalgia: new aspects on the coping of aging Holocaust survivors. Hertz DG. **Isr J Psychiatry Relat Sci** 1990;27(4):189–98 (26 ref.)

SURVIVAL ANALYSIS

Interpretation of survival data in clinical trials. Anderson JR, et al. **Oncology (Williston Park)** 1991 Feb;5(2):104–10;

discussion 110, 113-4 (21 ref.)
Quality adjusted survival analysis. Glasziou PP, et al. **Stat Med** 1990 Nov;9(11):1259-76 (19 ref.)

SUSPENDING AGENTS see **EXCIPIENTS**

SUSTAINED-RELEASE PREPARATIONS see **DELAYED-ACTION PREPARATIONS**

SUTURE TECHNIQUES

Laparoscopic use of sutures. Marrero MA, et al. **Clin Obstet Gynecol** 1991 Jun;34(2):387-94 (18 ref.)
Gastrointestinal tumours after stapler vs vicryl anastomoses in carcinogen-treated rats. Buhr HJ, et al. **Eur J Surg Oncol** 1990 Dec;16(6):493-6 (21 ref.)
Use of fibrin glue in obstetrics and gynecology: a review of the literature. Adamyan LV, et al. **Int J Fertil** 1991 Mar-Apr;36(2):76-7, 81-8 (112 ref.)
[Reconstruction of the left ventricle by circular endoventriculoplasty with septal exclusion] Dor V, et al. **Arch Mal Coeur** 1990 Oct;83(11):1687-94 (12 ref.) (Eng. Abstr.) **(Fre)**
[Use of laser welded suture on the blood vessels and in surgery of the gastrointestinal tract] Gondzhilashvili VG, et al. **Khirurgiia (Mosk)** 1991 Mar;(3):141-5 (66 ref.) **(Rus)**

ADVERSE EFFECTS

A complication of the buried suture. Kinninmonth AW. **J Hand Surg [Am]** 1990 Nov;15(6):959-60 (1 ref.)
[Surgical tactics in bleeding duodenal ulcers] Khachiev LG, et al. **Khirurgiia (Mosk)** 1990 Jul;(7):32-6 (50 ref.) (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

[Current status and perspectives of mechanical suture techniques in abdominal and thoracic surgery] Kockel N, et al. **Zentralbl Chir** 1991;116(4):219-41 (54 ref.) (Eng. Abstr.) **(Ger)**

SUTURES

Laparoscopic use of sutures. Marrero MA, et al. **Clin Obstet Gynecol** 1991 Jun;34(2):387-94 (18 ref.)
Suture selection for the pediatrician. Grisham JE, et al. **Pediatr Emerg Care** 1990 Dec;6(4):301-4 (25 ref.)
[Suture materials for inguinal hernia in adults] Melita P, et al. **G Chir** 1988 Nov;9(11):812-5 (14 ref.) (Eng. Abstr.) **(Ita)**
[Prevention of postoperative suppurative-inflammatory complications in gastrointestinal surgery] Gataullin NG, et al. **Khirurgiia (Mosk)** 1990 Sep;(9):160-3 (78 ref.) **(Rus)**
[Surgical absorbable suture materials] Kuzin MI, et al. **Khirurgiia (Mosk)** 1990 Sep;(9):152-7 (72 ref.) **(Rus)**

STANDARDS

[Soluble synthetic suture materials] Chkhikvadze TF, et al. **Khirurgiia (Mosk)** 1990 Dec;(12):154-8 (84 ref.) **(Rus)**

SUXAMETHONIUM see **SUCCINYLCHOLINE**

SV40 T ANTIGENS see **ANTIGENS, POLYOMAVIRUS TRANSFORMING**

SV40 T PROTEINS see **ANTIGENS, POLYOMAVIRUS TRANSFORMING**

SV40 VIRUS

GENETICS

The in vitro replication of DNA containing the SV40 origin. Hurwitz J, et al. **J Biol Chem** 1990 Oct 25;265(30):18043-6 (56 ref.)

METABOLISM

SV40 and human brain tumors. Geissler E. **Prog Med Virol** 1990;37:211-22 (41 ref.)

PHYSIOLOGY

Cell alterations induced by the large T-antigens of SV40 and polyoma virus. Dilworth SM. **Semin Cancer Biol** 1990 Dec;1(6):407-14 (68 ref.)

SWALLOWING see **DEGLUTITION**

SWAMP FEVER see **EQUINE INFECTIOUS ANEMIA**

SWAMP FEVER VIRUS see **EQUINE INFECTIOUS ANEMIA VIRUS**

SWAN-GANZ CATHETERIZATION see **CATHETERIZATION, SWAN-GANZ**

SWEAT GLAND DISEASES

COMPLICATIONS

Reactive arthritis due to hidradenitis suppurativa mimicking osteomyelitis. Tallo R, et al. **South Med J** 1991 Sep; 84(9):1147-9 (17 ref.)

PATHOLOGY

[Dyshidrosiform pemphigoid] Torrelo A, et al. **Med Cutan Ibero Lat Am** 1990;18(3):189-90 (7 ref.) (Eng. Abstr.) **(Spa)**

SWEAT GLAND NEOPLASMS

CHEMISTRY

[Immunological markers for the study of sweat gland tumors] Da Gloria Antunes ER. **Med Cutan Ibero Lat Am** 1990; 18(4):238-44 (27 ref.) (Eng. Abstr.) **(Por)**

COMPLICATIONS

Eccrine syringofibroadenomatous hyperplasia in a patient with bullous pemphigoid: a case report and review of the literature. Nomura K, et al. **Dermatologica** 1991; 182(1):59-62 (14 ref.)

PATHOLOGY

Pure apocrine nevus. A study of light-microscopic and immunohistochemical features of a rare tumor. Ando K, et al. **Am J Dermatopathol** 1991 Feb;13(1):71-6 (12 ref.)
Pigmented apocrine hidrocystoma--a report of two cases and review of the literature. off Veraldi S, et al. **Clin Exp Dermatol** 1991 Jan;16(1):18-21 (42 ref.)
Eccrine porocarcinoma. Akiyoshi E, et al. **Dermatologica** 1991;182(4):239-42 (25 ref.)
Epidermotropic eccrine porocarcinoma. Landa NG, et al. **J Am Acad Dermatol** 1991 Jan;24(1):27-31 (18 ref.)
Adenoid cystic carcinoma of sweat glands: report of two cases. Urso C, et al. **Tumori** 1991 Jun 30;77(3):264-7 (19 ref.)
[Tubular apocrine adenoma. Description of 4 cases] Barnadas MA, et al. **Med Cutan Ibero Lat Am** 1990;18(1):35-9 (13 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

[The complete remission of recurrent sweat gland carcinoma by radiotherapy combined with hyperthermia] Fujimoto R, et al. **Gan No Rinsho** 1990 Nov;36(14):2485-90 (29 ref.) (Eng. Abstr.) **(Jpn)**

SWEAT GLANDS

INNERVATION

[Current theories on the role of the central nervous system in temperature regulation in the human body] Akimov GA, et al. **Sov Med** 1990;(10):43-6 (46 ref.) **(Rus)**

SWEATING

see related
CYSTIC FIBROSIS
HYPERHIDROSIS

SWEETENING AGENTS

ANALYSIS

Sweeteners, flavorings, and dyes in antibiotic preparations. Kumar A, et al. **Pediatrics** 1991 Mar;87(3):352-60 (44 ref.)

CHEMISTRY

[The evaluation of "natural" sweeteners, especially concentrated fruit juices, syrups and honey] Hötzel D. **Z Ernahrungswiss** 1990;29 Suppl 1:53-61 (12 ref.) (Eng. Abstr.) **(Ger)**

PHARMACOLOGY

Effects of intense sweeteners on hunger, food intake, and body weight: a review. Rolls BJ. **Am J Clin Nutr** 1991 Apr;53(4):872-8 (45 ref.)

SWIFT'S DISEASE see **ACRODYNIA**

SWIMBLADDER see **AIR SACS**

SWIMMING

Costs of swimming measured at optimum speed: scale effects, differences between swimming styles, taxonomic groups and submerged and surface swimming. Videler JJ, et al. **Comp Biochem Physiol A** 1990;97(2):91-9 (39 ref.)
Swimmer's itch: a cercarial dermatitis. Mulvihill CA, et al. **Cutis** 1990 Sep;46(3):211-3 (12 ref.)
Contact lens considerations in surface and subsurface aqueous environments. Josephson JE, et al. **Optom Vis Sci** 1991 Jan;68(1):2-11 (72 ref.)
Aquatic therapy for patients with rheumatic disease. McNeal RL. **Rheum Dis Clin North Am** 1990 Nov;16(4):915-29 (22 ref.)

INJURIES

Triathlon injuries. The swim-bike-run how-to for medical practitioners. Fitzpatrick MJ. **Aust Fam Physician** 1991 Jul; 20(7):953-8 (6 ref.)
Swimming and the older athlete. Richardson AB, et al. **Clin Sports Med** 1991 Apr;10(2):301-18 (18 ref.)

SWINE

GENETICS

Integration, expression and germ-line transmission of growth-related genes in pigs. Pursel VG, et al. **J Reprod Fertil Suppl** 1990;41:77-87 (33 ref.)
Reciprocal translocations in the pig (Sus scrofa): a review. Long SE. **Vet Rec** 1991 Mar 23;128(12):275-8 (32 ref.)

METABOLISM

Interrelationships between exogenous porcine somatotropin (PST) administration and dietary protein and energy intake on protein deposition capacity and energy metabolism of pigs. Campbell RG, et al. **J Anim Sci** 1991 Apr; 69(4):1522-31 (31 ref.)
Biotin in animal nutrition. **Nutr Rev** 1990 Sep;48(9):352-5 (11 ref.)

PHYSIOLOGY

Oviduct function in pigs, with particular reference to the pathological condition of polyspermy. Hunter RH. **Mol Reprod Dev** 1991 Aug;29(4):385-91 (57 ref.)
Diet selection of pigs and poultry. Rose SP, et al. **Proc Nutr Soc** 1991 Mar;50(1):87-98 (39 ref.)

SURGERY

Swine as models in experimental surgery. Swindle MM, et al. **J Invest Surg** 1988;1(1):65-79 (60 ref.)

SWINE DISEASES

DIAGNOSIS

[The diagnosis of Eperythrozoon suis infection] Heinritzi K. **Tierarztl Prax** 1990 Oct;18(5):477-81 (8 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

Aspects of the epidemiology of Yersinia enterocolitica: a review. Andersen JK, et al. **Int J Food Microbiol** 1991 Jul;13(3):231-7 (27 ref.)

ETIOLOGY

Environmental factors affecting the severity of pneumonia in pigs. Done SH. **Vet Rec** 1991 Jun 22;128(25):582-6 (59 ref.)

IMMUNOLOGY

Dynamics of swine mange: a critical review of the literature. Davis DP, et al. **J Med Entomol** 1990 Sep;27(5):727-37 (93 ref.)

MICROBIOLOGY

An update on Streptococcus suis identification. Higgins R, et al. **J Vet Diagn Invest** 1990 Jul;2(3):249-52 (26 ref.)

PREVENTION & CONTROL

Genetically engineered vaccines for control of Aujeszky's disease (pseudorabies). Kit S. **Vaccine** 1990 Oct;8(5):420-4 (23 ref.)

THERAPY

Cytokines: applications in domestic food animals. Blecha F. **J Dairy Sci** 1991 Jan;74(1):328-39 (98 ref.)

SWINEPOX VIRUS see **POXVIRIDAE**

SWISS BLUE see **METHYLENE BLUE**

SWITCH GENES see **GENES, SWITCH**

SWITCH REGION GENES see **IMMUNOGLOBULIN SWITCH REGION**

SWITCH REGION, IG see **IMMUNOGLOBULIN SWITCH REGION**

SWITCHBOARD SERVICE see **TELEPHONE**

SWITCHING COMPLEX see **GENES, SWITCH**

SWYER SYNDROME see **GONADAL DYSGENESIS, 46,XY**

SYCOSIS see **FOLLICULITIS**

SYLVIAN VEIN see **CEREBRAL VEINS**

SYMBIOSIS

The molecular biology of symbiotic bacteria of aphididae. Ishikawa H, et al. **Microbiol Sci** 1986 Apr;3(4):117-20 (25 ref.)
Symbiosis of protozoa with hydrogen-utilizing methanogens.

Stumm CK, et al. **Microbiol Sci** 1986 Apr;3(4):100–5 (23 ref.)

PHYSIOLOGY

[Development of intestinal biocenosis in healthy and sick newborn infants] Dzhamali NF, et al. **Pediatriia** 1991; (2):88–92 (59 ref.) **(Rus)**

SYMBIOTIC RELATIONS (PSYCHOLOGY) see **OBJECT ATTACHMENT**

SYMPATHECTOMY

Cardiac sympathetic innervation and the prevention of sudden death. Schwartz PJ. **Cardiologia** 1990 Jan;35(1 Suppl):51–4 (42 ref.)

ADVERSE EFFECTS

[Pain after sympathectomy] Farcot JM, et al. **Agressologie** 1990 Apr;31(4):191–7 (52 ref.) (Eng. Abstr.) **(Fre)**

SYMPATHETIC BLOCKING AGENTS see **SYMPATHOLYTICS**

SYMPATHETIC FIBERS see **ADRENERGIC FIBERS**

SYMPATHETIC GANGLIA see **GANGLIA, SYMPATHETIC**

SYMPATHETIC NERVE BLOCK see **AUTONOMIC NERVE BLOCK**

SYMPATHETIC NERVOUS SYSTEM

ANATOMY & HISTOLOGY

Topical organization of the cardiac sympathetic nervous system. Thomas JX Jr, et al. **Basic Res Cardiol** 1990;85 Suppl 1:3–8 (39 ref.)

[The relationship between the sympathetic nerves and immunocytes in the spleen] Saito H. **Kaibogaku Zasshi** 1991 Feb;66(1):8–19 (29 ref.) (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Role of vasopressin in cardiovascular and blood pressure regulation. Abboud FM, et al. **Blood Vessels** 1990; 27(2–5):106–15 (21 ref.)

Pharmacology of noradrenaline and neuropeptide tyrosine (NPY)–mediated sympathetic cotransmission. Lundberg JM, et al. **Fundam Clin Pharmacol** 1990;4(4):373–91 (82 ref.)

Influence of 5-HT1A receptor agonists on sympathetic and parasympathetic nerve activity. Ramage AG. **J Cardiovasc Pharmacol** 1990;15 Suppl 7:S75–85 (68 ref.)

METABOLISM

Transmitter release from sympathetic nerve terminals on an impulse–by–impulse basis and presynaptic receptors. Brock JA, et al. **Ann N Y Acad Sci** 1990;604:176–87 (32 ref.)

Presynaptic modulation of sympathetic neurotransmitter release by modulators of cyclic 3',5'-guanosine monophosphate in canine vascular smooth muscle. Greenberg SS, et al. **Ann N Y Acad Sci** 1990;604:305–22 (98 ref.)

Carrier–mediated outward transport of noradrenaline from adrenergic varicosities. Trendelenburg U. **Pol J Pharmacol Pharm** 1990 Nov–Dec;42(6):515–20 (20 ref.)

PHYSIOLOGY

Regulation of the sympathetic nervous system by circulating vasopressin. Kvetňanský R, et al. **Adv Exp Med Biol** 1990; 274:113–34 (69 ref.)

Neural control of airway vasculature and edema. Widdicombe JG. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S18–21 (30 ref.)

Receptor interactions at noradrenergic neurones. Illes P, et al. **Ann N Y Acad Sci** 1990;604:197–210 (67 ref.)

Neuropeptide Y and sympathetic neurotransmission. Lundberg JM, et al. **Ann N Y Acad Sci** 1990;611:166–74 (50 ref.)

Second messengers are involved in facilitatory but not inhibitory receptor actions at sympathetic nerve endings. Majewski H, et al. **Ann N Y Acad Sci** 1990;604:266–75 (38 ref.)

Prostaglandins and the release of the adrenergic transmitter. Malik KU, et al. **Ann N Y Acad Sci** 1990;604:222–36 (72 ref.)

Release of vasoactive peptides from autonomic and sensory nerves. Lundberg JM, et al. **Blood Vessels** 1991; 28(1–3):27–34 (34 ref.)

Lymphatic innervation. McHale NG. **Blood Vessels** 1990; 27(2–5):127–36 (33 ref.)

What do plasma and urinary measures of catecholamines tell us about human response to stressors? Dimsdale JE, et al. **Circulation** 1991 Apr;83(4 Suppl):II36–42 (47 ref.)

Insulin resistance, energy balance and sympathetic nervous system activity. Landsberg L. **Clin Exp Hypertens [A]** 1990; 12(5):817–30 (49 ref.)

Properties of sympathetic neuromuscular transmission and smooth muscle cell membranes in vascular beds. Kitamura K, et al. **Comp Biochem Physiol [C]** 1991;98(1):181–92 (173 ref.)

Hypertension in obesity and NIDDM. Role of insulin and sympathetic nervous system. Daly PA, et al. **Diabetes Care** 1991 Mar;14(3):240–8 (101 ref.)

Hyperinsulinemia or increased sympathetic drive as links for obesity and hypertension. Modan M, et al. **Diabetes Care** 1991 Jun;14(6):470–87 (235 ref.)

The power transfer from the neuromuscular machinery to its load as a vegetative and somatic behaviour. Federici A, et al. **Funct Neurol** 1990 Jul–Sep;5(3):233–7 (19 ref.)

The neural regulation of circulation explored in the frequency domain. Malliani A, et al. **J Auton Nerv Syst** 1990 Jul;30 Suppl:S103–8 (27 ref.)

The paradoxical stress response: a possible common basis for depression and other conditions. Silvestrini B. **J Clin Psychiatry** 1990 Sep;51 Suppl:6–8 (15 ref.)

Effects of nutrient intake on sympathoadrenal activity and thermogenic mechanisms. Astrup AV, et al. **J Neurosci Methods** 1990 Sep;34(1–3):187–92 (38 ref.)

Catecholaminergic modulation and transmission in sympathetic preganglionic neurons. Nishi S. **Jpn J Physiol** 1990;40(6):775–87 (50 ref.)

Adrenergic influences and interactions with angiotensin II. Blantz RC, et al. **Kidney Int Suppl** 1990 Nov;30:S84–6 (20 ref.)

Assessment of sympathoneural activity in clinical research. McCance AJ. **Life Sci** 1991;48(8):713–21 (101 ref.)

Neurotransmitter plasticity in the sympathetic nervous system: influence of external factors and possible physiological implications. Zurn AD. **Life Sci** 1991; 48(19):1799–808 (92 ref.)

"Upstream" regulation of the release probability in sympathetic nerve varicosities. Stjärne L, et al. **Neuroscience** 1990;36(3):571–87 (131 ref.)

Central and peripheral control of sympathoadrenal activity and energy metabolism in rats. Scheurink AJ, et al. **Physiol Behav** 1990 Dec;48(6):909–20 (102 ref.)

Genetic obesity: is the defect in the sympathetic nervous system? A review through developmental studies in the preobese Zucker rat. Krief S, et al. **Proc Soc Exp Biol Med** 1991 Oct;198(1):528–38 (160 ref.)

[Neurophysiology of the enteric nervous system] Schemann M. **Z Gastroenterol Verh** 1991 Mar;26:234–5 (5 ref.) **(Ger)**

[Evaluation of sympathetic nervous activity in humans] Grassi G, et al. **G Ital Cardiol** 1990 Nov;20(11):1038–43 (28 ref.) **(Ita)**

PHYSIOPATHOLOGY

Neuroendocrine activation in congestive heart failure. Forfar JC. **Am J Cardiol** 1991 May 6;67(12):3C–5C (24 ref.)

Autonomic nervous system dysregulation in human hypertension. Julius S. **Am J Cardiol** 1991 Apr 22; 67(10):3B–7B (49 ref.)

Beta–adrenergic receptor regulation in the heart in pathophysiologic states: abnormal adrenergic responsiveness in cardiac disease. Homcy CJ, et al. **Annu Rev Physiol** 1991;53:137–59 (130 ref.)

Sympathetic—parasympathetic interaction and sudden death. Vanoli E, et al. **Basic Res Cardiol** 1990;85 Suppl 1:305–21 (53 ref.)

Pharmacological mechanisms to attenuate sympathetically induced myocardial ischemia. Schulz R, et al. **Cardiovasc Drugs Ther** 1989 Mar;3(1):43–56 (90 ref.)

Mental activity, adrenergic modulation, and cardiac arrhythmias in patients with heart disease. Coumel P, et al. **Circulation** 1991 Apr;83(4 Suppl):II58–70 (29 ref.)

Stress and sudden death. The case of the long QT syndrome. Schwartz PJ, et al. **Circulation** 1991 Apr;83(4 Suppl):II71–80 (67 ref.)

Activation of pain fibers to the internal carotid artery intracranially may cause the pain and local signs of reduced sympathetic and enhanced parasympathetic activity in cluster headache. Hardebo JE. **Headache** 1991 May; 31(5):314–20 (48 ref.)

Reflex control of renal sympathetic nervous activity in heart failure. Zucker IH, et al. **Herz** 1991 Apr;16(2):82–91 (33 ref.)

Biochemical evidence of sympathetic hyperactivity in human hypertension. Esler M, et al. **Hypertension** 1991 Apr;17(4 Suppl):III29–35 (45 ref.)

Sympathetic neural contribution to salt–induced hypertension in Dahl rats. Mark AL. **Hypertension** 1991 Jan;17(1 Suppl):I86–90 (39 ref.)

Management of hypertension by reduction in sympathetic activity. Mathias CJ. **Hypertension** 1991 Apr;17(4 Suppl):III69–74 (40 ref.)

Obesity—a state of reduced sympathetic activity and normal or high adrenal activity (the autonomic and adrenal hypothesis revisited). Bray GA. **Int J Obes** 1990;14 Suppl 3:77–91; discussion 91–2 (91 ref.)

Noradrenergic function in panic disorder. Charney DS, et al. **J Clin Psychiatry** 1990 Dec;51 Suppl A:5–11 (115 ref.)

Pre– and postsynaptic adrenergic dysfunctions in hypertension. de Champlain J. **J Hypertens Suppl** 1990 Dec; 8(7):S77–85 (75 ref.)

Increased regional sympathetic nervous activity in human hypertension: causes and consequences. Esler M, et al. **J Hypertens Suppl** 1990 Dec;8(7):S53–7 (31 ref.)

Regulation of sympathetic nerve activity in mild human hypertension. Mark AL. **J Hypertens Suppl** 1990 Dec; 8(7):S67–75 (49 ref.)

The sympathoadrenal system, obesity and hypertension: an overview. Landsberg L. **J Neurosci Methods** 1990 Sep; 34(1–3):179–86 (68 ref.)

Sympathetic neuronal activity in diabetic and non–diabetic subjects with peripheral arterial occlusive disease. Huber KH, et al. **Klin Wochenschr** 1991 Apr 4;69(6):233–8 (25 ref.)

[The role of the sympathetic–adrenal system in the development of hypertension. Effect of the emotional factor] Belova EV. **Kardiologiia** 1991 May;31(5):83–5 (24 ref.) **(Rus)**

SECRETION

Cardiac sympathetic activity in myocardial ischemia: release and effects of noradrenaline. Schömig A, et al. **Basic Res Cardiol** 1990;85 Suppl 1:9–30 (152 ref.)

SYMPATHETIC TRANSMITTER RELEASERS see **SYMPATHOMIMETICS**

SYMPATHINS see **CATECHOLAMINES**

SYMPATHOLYTICS

PHARMACOLOGY

Sympatholytic interventions and vascular remodelling. Lee RM, et al. **Basic Res Cardiol** 1991;86 Suppl 1:55–64 (36 ref.)

Sympatholytic drugs and cardiac remodelling in human and experimental arterial hypertension. Rorive G, et al. **Basic Res Cardiol** 1991;86 Suppl 1:141–8 (31 ref.)

THERAPEUTIC USE

Use of centrally acting sympatholytic agents in the management of hypertension. Oster JR, et al. **Arch Intern Med** 1991 Aug;151(8):1638–44 (63 ref.)

Beta– and alpha–adrenoceptor–agonists and –antagonists in chronic heart failure. Brodde OE. **Basic Res Cardiol** 1990; 85 Suppl 1:57–66 (73 ref.)

Centrally acting sympatholytic agents in the treatment of congestive heart failure. A review of the literature. Manmontri A, et al. **Drugs** 1990 Aug;40(2):169–75 (28 ref.)

SYMPATHOMIMETICS

ADVERSE EFFECTS

Nonprescription drugs and hypertension. Which ones affect blood pressure? Bradley JG. **Postgrad Med** 1991 May 1; 89(6):195–7, 201–2 (32 ref.)

[Systemic effects of eyedrops] Le Jeunne C, et al. **Ann Med Interne (Paris)** 1990;141(8):674–7 (10 ref.) **(Fre)**

PHARMACOLOGY

Mechanisms of facilitation and muscarinic or alpha–adrenergic inhibition of acetylcholine and noradrenaline secretion from peripheral nerves. Alberts P. **Acta Physiol Scand Suppl** 1982;506:1–39 (253 ref.)

THERAPEUTIC USE

Beta– and alpha–adrenoceptor–agonists and –antagonists in chronic heart failure. Brodde OE. **Basic Res Cardiol** 1990; 85 Suppl 1:57–66 (73 ref.)

The role of adrenergic drugs in antihypertensive therapy. Itskovitz HD. **Cleve Clin J Med** 1991 Jan–Feb;58(1):79–93 (26 ref.)

Sympathomimetics for acute severe asthma: should only beta 2–selective agonists be used? Reed MT, et al. **DICP** 1990 Sep;24(9):868–73 (59 ref.)

Gastrointestinal receptors and drugs in motility disorders. Ruoff HJ, et al. **Digestion** 1991;48(1):1–17 (132 ref.)

Treatment of attentional and hyperactivity problems in children with sympathomimetic drugs: a comprehensive review [see comments] Jacobvitz D, et al. **J Am Acad Child Adolesc Psychiatry** 1990 Sep;29(5):677–88 (130 ref.) Comment in: J Am Acad Child Adolesc Psychiatry 1991 Mar;30(2):335.

[Means and methods of non–opiate analgesia from the point of view of the concept of the adrenergic regulation of pain sensitivity] Ignatov IuD, et al. **Anesteziol Reanimatol** 1991 May–Jun;(3):65–8 (39 ref.) (Eng. Abstr.) **(Rus)**

SYNAPSES

DRUG EFFECTS

Macromolecular sites for specific neurotoxins and drugs on chemosensitive synapses and electrical excitation in biological membranes. Albuquerque EX, et al. **Ion Channels** 1988;1:95–162 (270 ref.)

Presynaptic actions of botulinal neurotoxins at vertebrate neuromuscular junctions. Molgo J, et al. **J Physiol (Paris)** 1990;84(2):152–66 (121 ref.)

Memory, synaptic plasticity and neurotoxins. Petit TL. **Neurotoxicology** 1990 Summer;11(2):323–32 (54 ref.)

Glucocorticoids, hippocampal damage and the glutamatergic synapse. Sapolsky RM. **Prog Brain Res** 1990;86:13–23 (81 ref.)

[Glutamate receptor and spider toxins] Kawai N, et al. **Seikagaku** 1990 Oct;62(10):1241–53 (61 ref.) **(Jpn)**

ENZYMOLOGY

[Adenyl cyclase activity in synapses of the CA1 segment of the horn of Ammon in Mongolian gerbils] Szumańska G, et al. **Neuropatol Pol** 1989;27(4):505–18 (36 ref.) (Eng. Abstr.) **(Pol)**

METABOLISM

Axonal transport of receptors. A major criterion for presynaptic localization. Laduron PM, et al. **Ann N Y Acad Sci** 1990;604:462–9 (44 ref.)

Presynaptic nicotinic receptors and the modulation of transmitter release. Wonnacott S, et al. **Ciba Found Symp** 1990;152:87–101; discussion 102–5 (43 ref.)

What determines the time course of neurotransmitter release in fast synapses? Parnas I, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec;1(1–4):19–30 (28 ref.)

Enhanced synaptic activation of NMDA receptors during hippocampal seizures. Yaari Y, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec;1(1–4):41–7 (13 ref.)

Pharmacology of long-term potentiation. A model for learning reviewed. Beukers M, et al. **Pharm Weekbl [Sci]** 1991 Feb 22;13(1):7–12 (62 ref.)

Spreading depression-like depolarization and selective vulnerability of neurons. A brief review. Somjen GG, et al. **Stroke** 1990 Nov;21(11 Suppl):III179–83 (40 ref.)

PATHOLOGY

Synaptic dysgenesis. Becker LE. **Can J Neurol Sci** 1991 May; 18(2):170–80 (59 ref.)

Dendritic and synaptic pathology in mental retardation. Huttenlocher PR. **Pediatr Neurol** 1991 Mar–Apr;7(2):79–85 (62 ref.)

PHYSIOLOGY

Trans-synaptophobia. Routtenberg A. **Adv Exp Med Biol** 1990;268:401–3 (17 ref.)

Cellular and synaptic alterations in the aging brain. Agnati LF, et al. **Aging (Milano)** 1990 Mar;2(1):5–25 (125 ref.)

Astrocytes within the hypothalamic arcuate nucleus contain estrogen-sensitive peroxidase, bind fluorescein-conjugated estradiol, and may mediate synaptic plasticity in the rat. Keefe DL, et al. **Am J Obstet Gynecol** 1991 Apr; 164(4):959–66 (54 ref.)

Morphological aspects of synaptic plasticity in Aplysia. An anatomical substrate for long-term memory. Bailey CH, et al. **Ann N Y Acad Sci** 1991;627:181–96 (53 ref.)

The relationship of GAP-43 to the development and plasticity of synaptic connections. Benowitz LI, et al. **Ann N Y Acad Sci** 1991;627:58–74 (87 ref.)

Presynaptic regulation of dopamine release. Implications for the functional organization of the basal ganglia. Chesselet MF. **Ann N Y Acad Sci** 1990;604:17–22 (43 ref.)

Silent synaptic connections and their modifiability. Faber DS, et al. **Ann N Y Acad Sci** 1991;627:151–64 (50 ref.)

Presynaptic modulation of sympathetic neurotransmitter release by modulators of cyclic 3',5'-guanosine monophosphate in canine vascular smooth muscle. Greenberg SS, et al. **Ann N Y Acad Sci** 1990;604:305–22 (98 ref.)

Cerebellar synaptic plasticity. Relation to learning versus neural activity. Greenough WT, et al. **Ann N Y Acad Sci** 1991;627:231–47 (69 ref.)

The role of activity in the development of phasic and tonic synaptic terminals. Lnenicka GA. **Ann N Y Acad Sci** 1991; 627:197–211 (68 ref.)

Protein kinases and long-term potentiation. Meffert MK, et al. **Ann N Y Acad Sci** 1991;627:2–9 (82 ref.)

Anesthetic action on stimulus-secretion coupling. Pocock G, et al. **Ann N Y Acad Sci** 1991;625:71–81 (20 ref.)

Calcium involvement in anesthetic blockade of synaptic transmission. Puil E, et al. **Ann N Y Acad Sci** 1991; 625:82–90 (42 ref.)

Long-term potentiation during the activity-dependent sharpening of the retinotopic map in goldfish. Schmidt JT. **Ann N Y Acad Sci** 1991;627:10–25 (58 ref.)

Synaptic and nonsynaptic cross talk between neurons. Role of presynaptic alpha 2-receptors in mental disorders. Vizi ES. **Ann N Y Acad Sci** 1990;604:344–52 (43 ref.)

Mechanisms underlying long-term potentiation of synaptic transmission. Madison DV, et al. **Annu Rev Neurosci** 1991; 14:379–97 (108 ref.)

Cellular and molecular biology of the presynaptic nerve terminal. Trimble WS, et al. **Annu Rev Neurosci** 1991; 14:93–122 (161 ref.)

Is arachidonic acid a retrograde messenger in long-term potentiation? Lynch MA, et al. **Biochem Soc Trans** 1991 Apr;19(2):391–6 (36 ref.)

Gangliosides and synaptic transmission. Thomas PD, et al. **Biochim Biophys Acta** 1990 Oct 8;1031(3):277–89 (223 ref.)

Contributions of dendritic spines and perforated synapses to synaptic plasticity. Calverley RK, et al. **Brain Res Brain Res Rev** 1990 Sep–Dec;15(3):215–49 (298 ref.)

Biochemical pharmacology of isolated neuronal growth cones: implications for synaptogenesis. Lockerbie RO. **Brain Res Brain Res Rev** 1990 May–Aug;15(2):145–65 (159 ref.)

Quantum mechanics of synapses. Burden SJ, et al. **Cell** 1990 Oct 5;63(1):7–8 (14 ref.)

Phosphoinositides and synaptic function in NG108-15 neuroblastoma x glioma hybrid cells. Higashida H, et al. **Comp Biochem Physiol [C]** 1991;98(1):129–37 (48 ref.)

Pre- and post-synaptic cholinergic dysfunction in aged rodent brain regions: new findings and an interpretative review. Sherman KA, et al. **Int J Dev Neurosci** 1990; 8(6):689–708 (140 ref.)

Synaptic connections, receptive fields, and patterns of activity in the tiger salamander retina. A simulation of patterns of activity formed at each cellular level from photoreceptors to ganglion cells [the Friendenwald lecture] [published erratum appears in Invest Ophthalmol Vis Sci 1991 Jul;32(8):2440] Werblin F. **Invest Ophthalmol Vis Sci** 1991 Mar;32(3):459–83 (106 ref.)

Development of spontaneous synaptic activity in a hypothalamic network grown in culture. Swandulla D, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):57–63 (16 ref.)

Synaptic connections made by axons regenerating in the central nervous system of adult mammals. Aguayo AJ, et al. **J Exp Biol** 1990 Oct;153:199–224 (110 ref.)

Specification of synaptic connections mediating the simple stretch reflex. Frank E, et al. **J Exp Biol** 1990 Oct;153:71–84 (34 ref.)

In situ analysis of neuronal dynamics and positional cues in the patterning of nerve connections. Fraser SE, et al. **J Exp Biol** 1990 Oct;153:61–70 (22 ref.)

Morphological plasticity of postsynaptic neurones in reactive synaptogenesis. Hamori J. **J Exp Biol** 1990 Oct;153:251–60 (53 ref.)

The influence of action potentials on the development of the central visual pathway in mammals. Kalil RE. **J Exp Biol** 1990 Oct;153:261–76 (62 ref.)

Development of the rodent cerebellum and synaptic re-formation of donor climbing terminals on spines of the host Purkinje dendrites after chemical deafferentation. Kawamura K, et al. **J Exp Biol** 1990 Oct;153:289–303 (34 ref.)

In vitro experiments on axonal guidance and growth-cone collapse. Müller B, et al. **J Exp Biol** 1990 Oct;153:29–46 (24 ref.)

Synapse formation in the adult brain after lesions and after transplantation of embryonic tissue. Raisman G, et al. **J Exp Biol** 1990 Oct;153:277–87 (23 ref.)

The formation of cooperative cell assemblies in the visual cortex. Singer W. **J Exp Biol** 1990 Oct;153:177–97 (75 ref.)

Development of the mammalian retinogeniculate pathway: target finding, transient synapses and binocular segregation. So KF, et al. **J Exp Biol** 1990 Oct;153:85–104 (69 ref.)

Cerebellar synaptogenesis: what we can learn from mutant mice. Sotelo C. **J Exp Biol** 1990 Oct;153:225–49 (58 ref.)

Developing concepts of the synapses. Eccles JC. **J Neurosci** 1990 Dec;10(12):3769–81 (52 ref.)

The neural network underlying locomotion in lamprey—synaptic and cellular mechanisms. Grillner S, et al. **Neuron** 1991 Jul;7(1):1–15 (120 ref.)

Synaptic regulation of the enkephalin gene and transcription factors in vivo: possible roles in drug abuse. Uhl GR, et al. **NIDA Res Monogr** 1991;105:123–9 (19 ref.)

Probabilistic secretion of quanta in the central nervous system: granule cell synaptic control of pattern separation and activity regulation. Gibson WG, et al. **Philos Trans R Soc Lond [Biol]** 1991 Jun 29; 332(1264):199–220 (50 ref.)

Hippocampal synaptic plasticity and NMDA receptors: a role in information storage? Morris RG, et al. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29; 329(1253):187–204 (118 ref.)

The action potential: an effect of fuel cell reactions in the synapse. Nordenström BE. **Physiol Chem Phys Med NMR** 1989;21(4):265–78 (62 ref.)

Mechanisms of visual plasticity: Hebb synapses, NMDA receptors, and beyond. Rauschecker JP. **Physiol Rev** 1991 Apr;71(2):587–615 (432 ref.)

Effects of aging on the dynamics of information processing and synaptic weight changes in the mammalian hippocampus. Barnes CA. **Prog Brain Res** 1990;86:89–104 (94 ref.)

Synaptic plasticity and behavioral modifications in the marine mollusk Aplysia. Castellucci VF, et al. **Prog Brain Res** 1990;86:105–15 (72 ref.)

Function of nicotinic synapses. Colquhoun D, et al. **Prog Brain Res** 1990;84:43–50 (38 ref.)

Spontaneous synaptic activity at developing neuromuscular junctions. Tabti N, et al. **Prog Brain Res** 1990;84:63–72 (24 ref.)

The cell and molecular biology of the cholinergic synapse: twenty years of progress. Whittaker VP. **Prog Brain Res** 1990;84:419–36 (125 ref.)

Depolarization induced neuronal release of taurine in relation to synaptic transmission: comparison with GABA and glutamate. Schousboe A, et al. **Prog Clin Biol Res** 1990; 351:289–97 (36 ref.)

Synaptic connections between medullary respiratory neurons and considerations on the genesis of respiratory rhythm. Ezure K. **Prog Neurobiol** 1990;35(6):429–50 (133 ref.)

Stochastic approaches to the study of synaptic function. Fesce R. **Prog Neurobiol** 1990;35(2):85–133 (215 ref.)

The regulation of quantal size. Van der Kloot W. **Prog Neurobiol** 1991;36(2):93–130 (245 ref.)

Central synaptic transmission: studies at the connection between primary afferent fibres and dorsal spinocerebellar tract (DSCT) neurones in Clarke's column of the spinal cord. Walmsley B. **Prog Neurobiol** 1991;36(5):391–423 (139 ref.)

Synaptic plasticity in the cerebellar cortex that may underlie the vestibulo-ocular adaptation. Ito M. **Rev Oculomot Res** 1985;1:213–21 (0 ref.)

Presynaptic inhibition of muscle spindle and tendon organ afferents in the mammalian spinal cord. Rudomin P. **Trends Neurosci** 1990 Dec;13(12):499–505 (75 ref.)

The possible role of adhesion in synaptic modification. Schubert D. **Trends Neurosci** 1991 Apr;14(4):127–30 (57 ref.)

[Synaptic mechanisms of excitatory amino acids and NMDA receptor mediated brain excitability] Yamamura T, et al. **Masui** 1990 Nov;39(11):1448–59 (39 ref.) (Eng. Abstr.) **(Jpn)**

[Synaptic transmission and cerebrovascular pathology] Pendefunda L. **Rev Med Chir Soc Med Nat Iasi** 1990 Jan–Mar;94(1):193–207 (52 ref.) **(Rum)**

[The system of synaptic influences on the neocortical neurons in the conditioned reflex] Storozhuk VM. **Zh Vyssh Nerv Deiat** 1990 Sep–Oct;40(5):819–33 (59 ref.) **(Rus)**

ULTRASTRUCTURE

"Specificity versus (quasi-) randomness" revisited. Szentágothai J. **Acta Morphol Hung** 1990;38(3–4):159–67 (20 ref.)

Quantitation of synaptic density in the septal nuclei of young and aged Fischer 344 rats. Scheff SW, et al. **Neurobiol Aging** 1991 Jan–Feb;12(1):3–12 (60 ref.)

[Functional morphology of the central synapse] Langmeier M. **Cesk Fysiol** 1991;40(3):221–54 (170 ref.) **(Cze)**

SYNAPTIC MEMBRANES

CHEMISTRY

The submembrane machinery for nicotinic acetylcholine receptor clustering. Froehner SC. **J Cell Biol** 1991 Jul; 114(1):1–7 (78 ref.)

PATHOLOGY

[Structural reorganization of the brain synaptic membranes and aging] Konev SV, et al. **Fiziol Zh** 1990 Sep–Oct; 36(5):36–42 (23 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Synaptic plasma membrane composition and fluidity in the pathogenesis of hepatic encephalopathy. Pappas SC. **Adv Exp Med Biol** 1990;272:149–57 (17 ref.)

Proteins of synaptic vesicles involved in exocytosis and membrane recycling. Südhof TC, et al. **Neuron** 1991 May; 6(5):665–77 (103 ref.)

SYNAPTIC RECEPTORS see **RECEPTORS, SYNAPTIC**

SYNAPTIC VESICLES

CHEMISTRY

Membrane antigens of endocrine, large dense-core and small synaptic vesicles. Winkler H, et al. **Biochem Soc Trans** 1991 Feb;19(1):79–83 (44 ref.)

METABOLISM

Ionic channels and proteins in synaptic vesicles: facts and speculations. Rahamimoff R, et al. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec;1(1–4):7–17 (61 ref.)

[Active transport of neurotransmitters by synaptic vesicles] Moriyama Y. **Seikagaku** 1991 Mar;63(3):202–7 (20 ref.) **(Jpn)**

PHYSIOLOGY

Regulated secretion. Miller SG, et al. **Curr Opin Cell Biol** 1990 Aug;2(4):642–7 (25 ref.)

Proteins of synaptic vesicles involved in exocytosis and membrane recycling. Südhof TC, et al. **Neuron** 1991 May; 6(5):665–77 (103 ref.)

SYNAPTONEMAL COMPLEX

Coming to grips with a complex matter. A multidisciplinary approach to the synaptonemal complex. Loidl J. **Chromosoma** 1991 Jun;100(5):289–92 (23 ref.)

SYNAPTOSOMES

METABOLISM

[Changes in the calcium transport systems of rat brain synaptosomes and their possible role in the pathophysiology of aging] Satrustegi D, et al. **Fiziol Zh** 1990 Sep–Oct;36(5):42–50 (41 ref.) (Eng. Abstr.) **(Rus)**

SYNAPTOSOMES

PHYSIOLOGY

Neural release of ATP and adenosine. White TD, et al. **Ann N Y Acad Sci** 1990;603:287–98; discussion 298–9 (66 ref.)

SYNCHROCYCLOTRONS see **PARTICLE ACCELERATORS**

SYNCHROTRONS see **PARTICLE ACCELERATORS**

SYNCOPE

Reflex syncope: current understanding of the pathophysiology and therapies. Silverman B. **J Med Assoc Ga** 1991 Mar;80(3):173–5 (8 ref.)

[Short near-fainting in children with or without loss of conscience] Paci A, et al. **Pediatr Med Chir** 1990 Nov–Dec; 12(6):611–20 (33 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Diagnostic evaluation of syncope [see comments] Kapoor WN. **Am J Med** 1991 Jan;90(1):91–106 (209 ref.) Comment in: Am J Med 1991 Jan;90(1):1–5.

New diagnostic modalities for the evaluation of the patient with syncope. Weiner HL. **Del Med J** 1991 Jul;63(7):407–10 (18 ref.)

Common complaints with cardiac implications in children. Sharkey AM, et al. **Pediatr Clin North Am** 1991 Jun; 38(3):657–66 (17 ref.)

[Syncope: diagnostic possibility and evaluation] Grupi CJ, et al. **Arq Bras Cardiol** 1991 Jan;56(1):73–7 (17 ref.) **(Por)**

ETIOLOGY

Syncope: mechanisms and manifestations. Kienzle MG. **Hosp Pract [Off]** 1990 Dec 15;25(12):77–85, 88 (8 ref.)

Cardiovascular causes of syncope. Identifying and controlling trigger mechanisms. Akhtar M, et al. **Postgrad Med** 1991 Aug;90(2):87–94 (33 ref.)

PHYSIOPATHOLOGY

Vegetative nervous system and syncopes. Simone F. **Funct Neurol** 1990 Jul–Sep;5(3):187–92 (19 ref.)

SYNCYTIUM see **GIANT CELLS**

SYNDACTYLIA

SURGERY

Syndactyly. Eaton CJ, et al. **Hand Clin** 1990 Nov;6(4):555–75 (69 ref.)

Desyndactyly: a literature review. Juris RS, et al. **J Foot Surg** 1990 Sep–Oct;29(5):463–70 (32 ref.)

SYNOSTOSIS

RADIOGRAPHY

Occipitalization of the atlas. Harcourt BT, et al. **J Manipulative Physiol Ther** 1990 Nov–Dec;13(9):532–8 (21 ref.)

SYNOVIAL CHONDROMATOSIS see **CHONDROMATOSIS, SYNOVIAL**

SYNOVIAL CHONDROMETAPLASIA see **CHONDROMATOSIS, SYNOVIAL**

SYNOVIAL CYST

Synovial cysts of the groin. Case report. Ikard RW. **Eur J Surg** 1991 Apr;157(4):285–7 (22 ref.)

COMPLICATIONS

Entrapment neuropathy of the suprascapular nerve by a ganglion. A report of three cases. Ogino T, et al. **J Bone Joint Surg [Am]** 1991 Jan;73(1):141–7 (23 ref.)

DIAGNOSIS

Radiologic case study. Intraspinal lumbar synovial cyst. Budris DM. **Orthopedics** 1991 May;14(5):613, 618–20 (18 ref.)

[Synovial cysts of psoas bursa in men. 4 cases and literature review] Badère JM, et al. **Rev Rhum Mal Osteoartic** 1990 Jun;57(6):481–5 (51 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

[A case report; ganglion cyst of a cervical facet joint] Nonoyama Y, et al. **No Shinkei Geka** 1991 Aug; 19(8):747–50 (14 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Miscellaneous synovial lesions. Bertoni F, et al. **Curr Opin Rheumatol** 1990 Feb;2(1):120–37 (14 ref.)

RADIOGRAPHY

[Synovial cyst of the hip with venous compression. Diagnosis using x-ray computed tomography. A case report] Bousquet JC, et al. **J Radiol** 1990 Nov;71(11):623–7 (19 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[Subchondral cysts (capsulo-synovial inclusions). Apropos of 25 cases] Ucla E, et al. **Rev Chir Orthop** 1990;76(8):533–7 (9 ref.) (Eng. Abstr.) **(Fre)**

ULTRASONOGRAPHY

[Sonography of the wrist and the hand] Milbradt H, et al. **Radiologe** 1990 Aug;30(8):360–5 (11 ref.) (Eng. Abstr.) **(Ger)**

SYNOVIAL FLUID

CYTOLOGY

Role of cytological analysis of synovial fluid in diagnosis and research. Freemont AJ. **Ann Rheum Dis** 1991 Feb; 50(2):120–3 (30 ref.)

IMMUNOLOGY

[The role of neutrophils in nonspecific immunity in patients with rheumatoid arthritis] Bernacka K, et al. **Postepy Hig Med Dosw** 1989;43(5–6):411–22 (69 ref.) (Eng. Abstr.) **(Pol)**

[Fibronectin and immune complexes in rheumatic diseases] Mazepa MA. **Vestn Akad Med Nauk SSSR** 1991;(4):57–61 (46 ref.) (Eng. Abstr.) **(Rus)**

METABOLISM

A comparison of synovial fluid concentrations of non-steroidal anti-inflammatory drugs with their in vitro activity. Urquhart E. **Agents Actions** 1991 Mar; 32(3–4):261–5 (26 ref.)

SYNOVIAL MEMBRANE

[Synovial osteochondromatosis of the knee and synovial chondrosarcoma. Report of 2 cases] Benoit J, et al. **Rev Chir Orthop** 1990;76(3):198–203 (5 ref.) (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

[Synovial angiogenesis] Lioté F. **Rev Rhum Mal Osteoartic** 1991 Apr;58(3 (Pt 2)):51S–59S (55 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Arthroscopic evaluation of synovitis in the knee joints. Kurosaka M, et al. **Arthroscopy** 1991;7(2):162–70 (5 ref.)

SURGERY

Synovectomy-arthroplasty as an alternative to triple arthrodesis in the management of subtalar joint pain. Jacobs AM, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):485–500 (49 ref.)

Synovectomy, arthroplasty, and arthrodesis in the reconstruction of the rheumatoid wrist and hand. Osterman AL, et al. **Curr Opin Rheumatol** 1991 Feb;3(1):102–8 (27 ref.)

[Synovectomy in treatment of inflammatory rheumatic diseases: historical or current?] Tillmann K. **Z Orthop** 1991 Mar–Apr;129(2):129–35 (38 ref.) (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

The morphology of synovial lining of various structures in several species as observed with scanning electron microscopy. Steinberg PJ, et al. **Scanning Microsc** 1990 Dec;4(4):987–1019; discussion 1019–20 (50 ref.)

SYNOVIAL OSTEOCHONDROMATOSIS see **CHONDROMATOSIS, SYNOVIAL**

SYNOVIOMA

PATHOLOGY

[Correlation between epithelioid sarcoma and poorly differentiated fibroblastic synovialosarcoma] Bouziani A, et al. **Arch Anat Cytol Pathol** 1991;39(1–2):34–7 (8 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Endolaryngeal synovial sarcoma. An update on diagnosis and treatment. Ferlito A, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(2):116–9 (13 ref.)

SYNOVITIS

DIAGNOSIS

Arthroscopic evaluation of synovitis in the knee joints. Kurosaka M, et al. **Arthroscopy** 1991;7(2):162–70 (5 ref.)

ETIOLOGY

Cactus thorn synovitis. Zoltan JD. **Arthroscopy** 1991; 7(2):244–5 (7 ref.)

[Chronic arthritis and synovitis in sarcoidosis in adults. Apropos of 2 new cases] Bouvier M, et al. **Rev Rhum Mal Osteoartic** 1991 Apr;58(4):287–90 (12 ref.) **(Fre)**

[Orthopedic aspects of Crohn disease. Examples of extra-intestinal organ manifestations] Sons HU, et al. **Beitr Orthop Traumatol** 1990 Oct;37(10):539–44 (40 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Cellular basis for rheumatoid inflammation. Cush JJ, et al. **Clin Orthop** 1991 Apr;(265):9–22 (94 ref.)

METABOLISM

A pathological role for damaged hyaluronan in synovitis. Henderson EB, et al. **Ann Rheum Dis** 1991 Mar; 50(3):196–200 (65 ref.)

Hypoxia and inflammatory synovitis: observations and speculation. Stevens CR, et al. **Ann Rheum Dis** 1991 Feb; 50(2):124–32 (140 ref.)

PATHOLOGY

Miscellaneous synovial lesions. Bertoni F, et al. **Curr Opin Rheumatol** 1990 Feb;2(1):120–37 (14 ref.)

SYNOVITIS, PIGMENTED VILLONODULAR

DIAGNOSIS

[Magnetic resonance imaging of the knee. 3 cases of pigmented villonodular synovitis] Adam P, et al. **J Radiol** 1991 Mar;72(3):141–7 (12 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Hemopigmented villonodular synovitis] Dufour M, et al. **J Radiol** 1991 Jun–Jul;72(6–7):363–73 (31 ref.) (Eng. Abstr.) **(Fre)**

2-5A SYNTHETASE see **2',5'-OLIGOADENYLATE SYNTHETASE**

SYNTHETIC VACCINES see **VACCINES, SYNTHETIC**

SYPHACIA see **OXYUROIDEA**

SYPHILIS

Endemic treponematoses. Part II. Pinta and endemic syphilis. Engelkens HJ, et al. **Int J Dermatol** 1991 Apr;30(4):231–8 (60 ref.)

Syphilis in adults. Hutchinson CM, et al. **Med Clin North Am** 1990 Nov;74(6):1389–416 (97 ref.)

Syphilis: from Beethoven to HIV. Tramont EC. **Mt Sinai J Med** 1990 Sep;57(4):192–6 (8 ref.)

Syphilis. A new visit from an old enemy. Wooldridge WE. **Postgrad Med** 1991 Jan;89(1):193–6, 199–202 (8 ref.)

COMPLICATIONS

Controversies regarding the natural history and treatment of syphilis in HIV disease. Tramont EC. **AIDS Clin Rev** 1991;:97–107 (47 ref.)

Effect of human immunodeficiency virus (HIV) infection on the course of syphilis and on the response to treatment. Musher DM, et al. **Ann Intern Med** 1990 Dec 1; 113(11):872–81 (129 ref.)

Syphilis. Musher D. **Pediatr Infect Dis J** 1990 Oct;9(10):768–9 (4 ref.)

[HIV infection and syphilis. Case description and literature review] Steiner A, et al. **Schweiz Med Wochenschr** 1991 Jan 19;121(3):67–71 (41 ref.) (Eng. Abstr.) **(Ger)**

[Syphilitic lesions of the organ of vision (review)] Mozherenkov VP, et al. **Vestn Oftalmol** 1990 Jul–Aug; 106(4):77–9 (31 ref.) (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Clinical picture of early syphilis in patients with HIV infection in the light of literature data] Starzycki Z. **Przegl Dermatol** 1990 Jul–Aug;77(4):276–82 (19 ref.) (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Syphilis, neurosyphilis, penicillin, and AIDS. Musher DM. **J Infect Dis** 1991 Jun;163(6):1201–6 (17 ref.)

EPIDEMIOLOGY

Syphilis--an STD on the increase. Kirchner JT. **Am Fam Physician** 1991 Sep;44(3):843–54 (22 ref.)

Gonorrhoea and syphilis in Sweden--past and present. Danielsson D. **Scand J Infect Dis Suppl** 1990;69:69–76 (11 ref.)

IMMUNOLOGY

Autoimmunity in syphilis. Wicher K, et al. **Immunol Ser** 1990; 52:101–24 (108 ref.)

Immunocompetence of inflammatory cells in rabbit testes

infected with Treponema pallidum. Wicher V, et al. **J Reprod Immunol** 1990 Aug;18(1):105–15 (49 ref.)

TRANSMISSION

Syphilis and blood transfusion: a global perspective. De Schryver A, et al. **Transfusion** 1990 Nov–Dec;30(9):844–7 (30 ref.)

SYPHILIS, CONGENITAL

Congenital syphilis—the forgotten disease. Abeyewickreme I. **Ceylon Med J** 1991 Mar;36(1):1–3 (12 ref.)

Congenital syphilis: trends and recommendations for evaluation and management. Zenker PN, et al. **Pediatr Infect Dis J** 1991 Jul;10(7):516–22 (84 ref.)

SYRINGES

A hematologist's view of contrast media, clotting in angiography syringes and thrombosis during coronary angiography. Grabowski EF. **Am J Cardiol** 1990 Oct 26; 66(14):23F–25F (17 ref.)

SYRINGOMA, CHONDROID see HIDRADENOMA

SYRINGOMYELIA

[Syringomyelia: review of the literature and report of a case] Gonik R, et al. **Arq Neuropsiquiatr** 1990 Sep;48(3):376–84 (54 ref.) (Eng. Abstr.) **(Por)**

ETIOLOGY

Syringomyelia secondary to compression of the cervical spinal cord by an extramedullary lymphoma. Hormigo A, et al. **Neurosurgery** 1990 Nov;27(5):834–6; discussion 836 (11 ref.)

Review article: post-spinal cord injury syringomyelia. Umbach I, et al. **Paraplegia** 1991 May;29(4):219–21 (45 ref.)

[Hemangioblastoma associated with syringomyelia and syringobulbia in a patient with rheumatoid arthritis] Bonet M, et al. **Arch Neurobiol (Madr)** 1990 Mar–Apr;53(2):89–91 (6 ref.) (Eng. Abstr.) **(Spa)**

SYSTEMATIC BIAS see BIAS (EPIDEMIOLOGY)

SYSTEMS ANALYSIS

see related
TASK PERFORMANCE AND ANALYSIS

SYSTEMS THEORY

see related
MODELS, THEORETICAL

Organic unity theory: the mind–body problem revisited. Goodman A. **Am J Psychiatry** 1991 May;148(5):553–63 (37 ref.)

Affects as central organising and integrating factors. A new psychosocial/biological model of the psyche. Ciompi L. **Br J Psychiatry** 1991 Jul;159:97–105 (73 ref.)

A systems approach to aging, Alzheimer's disease, and spinal cord regeneration. Roberts E. **Prog Brain Res** 1990; 86:339–55 (111 ref.)

[The role of bacteriophages in the self-regulating system of a plague enzootic] Pak GIu, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Sep;(9):97–100 (10 ref.) **(Rus)**

SYSTOLE

Systolic hypertension in the elderly: reasons not to treat. Michelis MF. **Am J Kidney Dis** 1990 Oct;16(4):332–4 (10 ref.)

[Congestive heart failure with intact systolic function] Bareiss P, et al. **Arch Mal Coeur Vaiss** 1991 Mar;84(3):321–7 (27 ref.) (Eng. Abstr.) **(Fre)**

[Isolated systolic hypertension—characteristics of hemodynamic findings] Akizuki S, et al. **Kokyu To Junkan** 1991 Jun;39(6):523–32 (93 ref.) **(Jpn)**

PHYSIOLOGY

Systolic time intervals. Boudoulas H. **Eur Heart J** 1990 Dec; 11 Suppl I:93–104 (62 ref.)

Role of the mitral subvalvular apparatus in left ventricular systolic mechanics. Sarris GE, et al. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):133–43 (63 ref.)

SYSTOLIC CLICK-MURMUR SYNDROME see MITRAL VALVE PROLAPSE

SYSTOLIC TIME INTERVAL see SYSTOLE

T3 RECEPTORS see RECEPTORS, THYROID HORMONE

T4 ANTIGENS, T-CELL see ANTIGENS, CD4

T4 CELLS see T4 LYMPHOCYTES

T4 RECEPTORS see RECEPTORS, THYROID HORMONE

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T ANTIGENS see ANTIGENS, VIRAL, TUMOR

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T-CELL GROWTH FACTOR see INTERLEUKIN-2

T-CELL GROWTH FACTOR RECEPTORS see RECEPTORS, INTERLEUKIN-2

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T-CELL LEUKEMIA, ADULT see LEUKEMIA, T-CELL

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T-CELL LEUKEMIA-LYMPHOMA, ADULT see LEUKEMIA-LYMPHOMA, T-CELL, ACUTE, HTLV-I-ASSOCIATED

T-CELL LEUKEMIA-LYMPHOMA, HTLV-I-ASSOCIATED see LEUKEMIA-LYMPHOMA, T-CELL, ACUTE, HTLV-I-ASSOCIATED

T-CELL LEUKEMIA VIRUS I, HUMAN see HTLV-I

T-CELL LEUKEMIA VIRUS I ANTIBODIES, ADULT see HTLV-I ANTIBODIES

T-CELL LEUKEMIA VIRUS I ANTIBODIES, HUMAN see HTLV-I ANTIBODIES

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T-CELL SUBSETS see T-LYMPHOCYTE SUBSETS

T-CELLS see T-LYMPHOCYTES

T-MYCOPLASMA see UREAPLASMA

T-PHAGES

GENETICS

Phage T4 introns: self-splicing and mobility. Belfort M. **Annu Rev Genet** 1990;24:363–85 (90 ref.)

Intron-associated splicing reactions in bacteriophage T4. Maley F, et al. **Mol Microbiol** 1990 Jun;4(6):867–71 (27 ref.)

T VIRUS see AVIAN RETICULOENDOTHELIOSIS VIRUS

TAC PEPTIDE see RECEPTORS, INTERLEUKIN-2

TAC P55 PEPTIDE see RECEPTORS, INTERLEUKIN-2

TACHYARRHYTHMIA see TACHYCARDIA

TACHYCARDIA

Clinical spectrum of ventricular tachycardia. Akhtar M. **Circulation** 1990 Nov;82(5):1561–73 (86 ref.)

CHEMICALLY INDUCED

Safety and side effects of human and ovine corticotropin-releasing hormone administration in man. Nink M, et al. **Klin Wochenschr** 1991 Mar 18;69(5):185–95 (69 ref.)

COMPLICATIONS

Nonischemic sudden tachyarrhythmic death in atherosclerotic heart disease. Meissner MD, et al. **Circulation** 1991 Aug;84(2):905–12 (126 ref.)

DIAGNOSIS

The role of signal averaged electrocardiography in identifying patients at high risk for lethal ventricular tachyarrhythmias. Simson MB. **PACE Pacing Clin Electrophysiol** 1991 May;14(5 Pt 2):944–52 (59 ref.)

[Spectral analysis of the ECG for detecting late potentials as risk factors of life-threatening cardiac arrhythmias] Haberl R, et al. **Klin Wochenschr** 1990 Aug 2;68(15):744–9 (26 ref.) (Eng. Abstr.) **(Ger)**

[Arrhythmogenic right ventricular disease] Wichter T, et al. **Z Kardiol** 1991 Feb;80(2):107–25 (169 ref.) (Eng. Abstr.) **(Ger)**

[Programmed electric stimulation of the ventricles in the assessment of electric instability of the myocardium in patients with ischemic heart disease] Kaik Iu, et al. **Ter Arkh** 1991;63(1):129–33 (86 ref.) **(Rus)**

DRUG THERAPY

Is drug treatment of tachyarrhythmias a science or a lottery? Campbell RW. **Cardiologia** 1990 Jan;35(1 Suppl):43–5 (15 ref.)

Magnesium and cardiac arrhythmias. Reappraisal of an old substance. Critelli G, et al. **Cardiologia** 1990 Jan;35(1 Suppl):39–42 (65 ref.)

[Tachycardia with wide ventricular complex—hazards in acute therapy] Meesmann M, et al. **Med Klin** 1991 Mar 15;86(3):152–6 (39 ref.) **(Ger)**

[Digitalis therapy in the aged] Erdmann E. **Verh Dtsch Ges Inn Med** 1990;96:258–65 (17 ref.) **(Ger)**

ETIOLOGY

Atrial tachyarrhythmias after cardiac surgery. Groves PH, et al. **Eur Heart J** 1991 Mar;12(3):458–63 (63 ref.)

[Late potentials as risk parameters after heart infarct] Haberl R, et al. **Fortschr Med** 1991 Jan 15;109(1):27–30 (43 ref.) (Eng. Abstr.) **(Ger)**

[Significance of arrhythmias in advanced age] Lang E. **Ther Umsch** 1991 May;48(5):322–8 (11 ref.) (Eng. Abstr.) **(Ger)**

[Arrhythmia in acute myocardial ischemia] Tomaszewski R. **Wiad Lek** 1990 Oct 1–15;43(19–20):959–63 (28 ref.) **(Pol)**

[Idiopathic ventricular tachycardia] García Hernández N. **Arch Inst Cardiol Mex** 1990 Sep–Oct;60(5):473–7 (19 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Atrial regulation of intravascular volume: observations on the tachycardia–polyuria syndrome. Zullo MA. **Am Heart J** 1991 Jul;122(1 (Pt 1)):188–94 (108 ref.)

Effect of ibopamine, a dopamine congener, on arrhythmias in heart failure. Storstein L. **Cardiology** 1990;77 Suppl 5:30–5 (31 ref.)

Electrophysiological basis of ventricular late potentials. el-Sherif N, et al. **PACE** 1990 Dec;13(12 Pt 2):2140–7 (20 ref.)

Potential interactions between antiarrhythmic medication and the automatic implantable cardioverter defibrillator. Gottlieb CD, et al. **PACE Pacing Clin Electrophysiol** 1991 May;14(5 Pt 2):898–904 (41 ref.)

[Value and limitations of Holter monitoring and electrophysiologic testing in the evaluation of the treatment of sustained monomorphic ventricular tachycardia] Aouate P, et al. **Arch Mal Coeur** 1990 Dec;83(14):2031–7 (28 ref.) (Eng. Abstr.) **(Fre)**

[High resolution electrocardiogram and late potential monitoring] Costa O, et al. **Rev Port Cardiol** 1991 Feb; 10(2):125–32 (16 ref.) (Eng. Abstr.) **(Por)**

[Recording late ventricular potentials during examination of patients with high risk of sudden death] Shushliapin OI, et al. **Kardiologiia** 1990 Nov;30(11):106–8 (31 ref.) **(Rus)**

PREVENTION & CONTROL

Effects of beta-blockade on the incidence of ventricular tachyarrhythmias during acute myocardial ischemia: experimental findings and clinical implications. Haverkamp W, et al. **Basic Res Cardiol** 1990;85 Suppl 1:293–303 (57 ref.)

[Tachycardic arrhythmias in athletes. Incidence, clinical relevance and prognostic significance] Zehender M, et al. **Fortschr Med** 1991 Jan 30;109(3):37–40 (31 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Surgical management of ventricular tachyarrhythmias. Van Meter CH Jr. **J La State Med Soc** 1991 Feb;143(2):31–6 (15 ref.)

Surgery for ischemic ventricular tachycardia—operative techniques and long-term results. Hargrove WC 3d. **Semin Thorac Cardiovasc Surg** 1989 Jul;1(1):83–7 (24 ref.)

Surgery for ventricular tachycardia: intraoperative mapping techniques. Mickleborough LL. **Semin Thorac Cardiovasc Surg** 1989 Jul;1(1):74–82 (62 ref.)

[Non-medicamentous treatment of ventricular tachyarrhythmias: clinical aspects] Klein G, et al. **Grud Serdechnososudistaia Khir** 1991 Mar;(3):18–23 (15 ref.) (Eng. Abstr.) **(Rus)**

[Surgical treatment of post-infarction ventricular tachycardia—a step forward in the therapy] Van Hemel NM, et al. **Grud Serdechnososudistaia Khir** 1991 Mar; (3):15–8 (22 ref.) (Eng. Abstr.) **(Rus)**

THERAPY

Current status of antitachycardia devices. Rosenthal ME, et

al. **Circulation** 1990 Dec;82(6):1889–99 (99 ref.)
Antitachycardia pacing: electrophysiologic concepts and clinical experience. Bashir Y, et al. **Indian Heart J** 1991 Jan–Feb;43(1):1–4 (29 ref.)
Biosensor applications to antitachycardia devices. Cohen TJ, et al. **PACE** 1991 Feb;14(2 Pt 2):322–8 (25 ref.)
Ventricular tachycardia/fibrillation: therapeutic alternatives. Fisher JD, et al. **PACE** 1991 Feb;14(2 Pt 2):370–5 (44 ref.)
Programmed stimulation-guided therapy compared with implantable cardioverter defibrillator device therapy in the treatment of ventricular tachyarrhythmias. Troup PJ. **PACE** 1991 Feb;14(2 Pt 2):267–72 (31 ref.)
The role of the automatic implantable cardioverter–defibrillator in the treatment of ventricular tachycardia. Hammon JW. **Semin Thorac Cardiovasc Surg** 1989 Jul;1(1):88–96 (16 ref.)
[Therapeutic value of esophageal stimulation. Factors influencing the results in flutter and atrial tachysystole] Chabert JP, et al. **Ann Cardiol Angeiol (Paris)** 1991 Feb; 40(2):69–74 (16 ref.) (Eng. Abstr.) **(Fre)**
[Anti-tachycardia stimulation in supraventricular and ventricular tachycardia with and without cardioverter/defibrillator] Klein H. **Herz** 1991 Jun; 16(3):182–98 (48 ref.) (Eng. Abstr.) **(Ger)**
[Non-pharmacologic therapy of malignant cardiac arrhythmias] Lüderitz B, et al. **Internist (Berl)** 1990 Oct; 31(10):648–56 (48 ref.) **(Ger)**

TACHYCARDIA, ATRIOVENTRICULAR NODAL REENTRY

Reentrant junctional tachycardias. Akhtar M. **PACE** 1990 Dec;13(12 Pt 2):2133–9 (18 ref.)

SURGERY

Fulguration for AV nodal tachycardia: results in 42 patients with a mean follow-up of 23 months. Haissaguerre M, et al. **PACE** 1990 Dec;13(12 Pt 2):2000–7 (13 ref.)

THERAPY

Diagnosis and treatment of supraventricular tachycardias in infants and children. Colloridi V, et al. **Cardiologia** 1990 Jan;35(1 Suppl):33–8 (31 ref.)

TACHYCARDIA, AV NODAL REENTRANT see **TACHYCARDIA, ATRIOVENTRICULAR NODAL REENTRY**

TACHYCARDIA, ECTOPIC ATRIAL

SURGERY

Surgical management of chronic ectopic atrial tachycardia. Lowe JE, et al. **Semin Thorac Cardiovasc Surg** 1989 Jul; 1(1):58–66 (41 ref.)

THERAPY

Diagnosis and treatment of supraventricular tachycardias in infants and children. Colloridi V, et al. **Cardiologia** 1990 Jan;35(1 Suppl):33–8 (31 ref.)

TACHYCARDIA, ECTOPIC JUNCTIONAL

ETIOLOGY

[Varicella myocarditis and junctional ectopic tachycardia] Senellart F, et al. **Pediatrie** 1991;46(3):267–70 (15 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Diagnosis and treatment of supraventricular tachycardias in infants and children. Colloridi V, et al. **Cardiologia** 1990 Jan;35(1 Suppl):33–8 (31 ref.)

TACHYCARDIA, PAROXYSMAL

DRUG THERAPY

Adenosine for paroxysmal supraventricular tachycardia. DiPalma JR. **Am Fam Physician** 1991 Sep;44(3):929–31 (11 ref.)

ETIOLOGY

[Right ventricular myxoma complicated by paroxysmal atrial tachycardia: a surgical case report] Kamada S, et al. **Kyobu Geka** 1990 Dec;43(13):1100–4 (18 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Modifications of heart rate variability preceding the onset of tachyarrhythmias. Coumel P. **Cardiologia** 1990 Jan;35(1 Suppl):7–12 (24 ref.)

THERAPY

Diagnosis and treatment of supraventricular tachycardias in infants and children. Colloridi V, et al. **Cardiologia** 1990 Jan;35(1 Suppl):33–8 (31 ref.)
Management of acute paroxysmal supraventricular tachycardia in pregnancy. Pahlow B, et al. **J Am Osteopath Assoc** 1991 Jan;91(1):51–2, 57, 61–2 (28 ref.)

TACHYCARDIA, SUPRAVENTRICULAR

DIAGNOSIS

Supraventricular tachycardia. Changes in management. Caruso AC. **Postgrad Med** 1991 Aug;90(2):73–6, 79–82 (8 ref.)
[Induction of supraventricular tachycardia (paroxysmal junctional tachycardia and atrial tachycardia) by esophageal stimulation] Brembilla-Perrot B, et al. **Arch Mal Coeur** 1990 Oct;83(11):1695–702 (28 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Adenosine for paroxysmal supraventricular tachycardia. DiPalma JR. **Am Fam Physician** 1991 Sep;44(3):929–31 (11 ref.)
Adenosine. An evaluation of its use in cardiac diagnostic procedures, and in the treatment of paroxysmal supraventricular tachycardia. Faulds D, et al. **Drugs** 1991 Apr;41(4):596–624 (164 ref.)
Pharmacological management of supraventricular tachycardia. Klein GJ, et al. **PACE** 1990 Nov;13(11 Pt 2):1516–24 (17 ref.)
[The value of adenosine in the treatment of supraventricular tachycardia] Smits P, et al. **Ned Tijdschr Geneeskd** 1990 Nov 24;134(47):2277–80 (27 ref.) **(Dut)**
[Drug therapy of ventricular arrhythmia] Hashiba K. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):447–50 (6 ref.) **(Jpn)**

ETIOLOGY

[Paroxysmal supraventricular tachycardia induced by deglutition] Tison E, et al. **Ann Cardiol Angeiol (Paris)** 1991 Mar;40(3):141–5 (27 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

[The role of atrial natriuretic factor in the regulation of the activity of the cardiovascular system] Baturova EA, et al. **Kardiologiia** 1991 Jan;31(1):91–3 (55 ref.) **(Rus)**

SURGERY

Nonpharmacological therapy of supraventricular arrhythmias: surgery and catheter ablation techniques. Part II. Singer I, et al. **PACE** 1990 Sep;13(9):1173–83 (41 ref.)
[Laser correction of arrhythmia] Bobrov VA, et al. **Kardiologiia** 1990 Dec;30(12):76–9 (62 ref.) **(Rus)**

THERAPY

Supraventricular tachycardia: diagnosis and current acute management. Till JA, et al. **Arch Dis Child** 1991 May; 66(5):647–52 (35 ref.)
Management of acute paroxysmal supraventricular tachycardia in pregnancy. Pahlow B, et al. **J Am Osteopath Assoc** 1991 Jan;91(1):51–2, 57, 61–2 (28 ref.)
[Anti-tachycardia stimulation in supraventricular and ventricular tachycardia with and without cardioverter/defibrillator] Klein H. **Herz** 1991 Jun; 16(3):182–98 (48 ref.) (Eng. Abstr.) **(Ger)**
[Non-pharmacologic therapy of malignant cardiac arrhythmias] Lüderitz B, et al. **Internist (Berl)** 1990 Oct; 31(10):648–56 (48 ref.) **(Ger)**

TACHYKININS

PHARMACOLOGY

Pharmacology of spinal peptides affecting sensory and motor functions: dynorphins, somatostatins and tachykinins. Spampinato S, et al. **Pharmacol Res** 1991 Feb;23(2):113–27 (113 ref.)

PHYSIOLOGY

Neutral endopeptidase modulation of neurogenic inflammation in airways. Nadel JA. **Eur Respir J Suppl** 1990 Dec;12:645s–651s (38 ref.)

TACRINE

ADMINISTRATION & DOSAGE

THA, a putative drug in the treatment of Alzheimer's disease? Thal LJ. **Acta Neurol Scand Suppl** 1990;129:27–8 (8 ref.)

PHARMACOLOGY

Next generation tacrine. Schwarz RD, et al. **Neurobiol Aging** 1991 Mar–Apr;12(2):185–7 (0 ref.)
Tacrine: a pharmacological review. Freeman SE, et al. **Prog Neurobiol** 1991;36(4):257–77 (162 ref.)

THERAPEUTIC USE

Alternatives in the treatment of memory loss in patients with Alzheimer's disease. Volger BW. **Clin Pharm** 1991 Jun; 10(6):447–56 (92 ref.)

TAE KWON DO see **MARTIAL ARTS**

TAENIA

IMMUNOLOGY

Taenia saginata and Taenia solium: reciprocal models. Harrison LJ, et al. **Acta Leiden** 1989;57(2):143–52 (30 ref.)
The coexistence of Taenia solium cysticerci and the pig: role of the antigen B. Laclette JP, et al. **Acta Leiden** 1989; 57(2):115–22 (34 ref.)
New approaches in the diagnosis of Taenia solium cysticercosis and taeniasis. Flisser A, et al. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:95–8 (24 ref.)

TAENIA INFECTIONS see **TAENIASIS**

TAENIARHYNCHUS see **TAENIA**

TAENIASIS

see related
CYSTICERCOSIS

DIAGNOSIS

Diagnostic methods and epidemiologic surveillance of Taenia solium infection. Schantz PM, et al. **Acta Leiden** 1989; 57(2):153–63 (54 ref.)
New approaches in the diagnosis of Taenia solium cysticercosis and taeniasis. Flisser A, et al. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:95–8 (24 ref.)

DRUG THERAPY

Efficacy of low doses of praziquantel in taeniasis. Pawłowski ZS. **Acta Trop (Basel)** 1990 Dec;48(2):83–8 (27 ref.)

EPIDEMIOLOGY

Parasitic zoonoses: selective review of some diseases in South America. Grisi L. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:79–82 (36 ref.)

TAHYNA VIRUS see **CALIFORNIA GROUP VIRUSES**

TAIL

ABNORMALITIES

The T/t complex and the genetic control of mouse development. Shin HS. **Immunol Ser** 1989;43:443–71 (182 ref.)

TAKA-AMYLASE A see **ALPHA-AMYLASE**

TAKAYASU ARTERITIS see **TAKAYASU SYNDROME**

TAKAYASU SYNDROME

Giant cell and Takayasu's arteritis. Bengtsson BA, et al. **Curr Opin Rheumatol** 1991 Feb;3(1):15–22 (47 ref.)

COMPLICATIONS

The association between aneurysm formation and systemic hypertension in Takayasu's arteritis. Sharma S, et al. **Clin Radiol** 1990 Sep;42(3):182–7 (16 ref.)
[Hypertension in Takayasu's disease] Godeau P, et al. **Ann Med Interne (Paris)** 1990;141(5):431–6 (56 ref.) **(Fre)**
[Severe pulmonary artery involvement of Takayasu arteritis. 3 cases and review of the literature] Blétry O, et al. **Arch Mal Coeur Vaiss** 1991 Jun;84(6):817–22 (32 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

The incidence and patterns of pulmonary artery involvement in Takayasu's arteritis. Sharma S, et al. **Clin Radiol** 1990 Sep;42(3):177–81 (8 ref.)

SURGERY

[Anesthesiology problems in Takayasu's syndrome] Gaida BJ, et al. **Anaesthesist** 1991 Jan;40(1):1–6 (79 ref.) (Eng. Abstr.) **(Ger)**

TALC

ADVERSE EFFECTS

The hazards of surgical glove dusting powders. Ellis H. **Surg Gynecol Obstet** 1990 Dec;171(6):521–7 (89 ref.)
[Respiratory failure in a HIV seropositive heroin addict female] Magnan A, et al. **Ann Fr Anesth Reanim** 1991; 10(1):74–6 (10 ref.) (Eng. Abstr.) **(Fre)**

TALENT see **APTITUDE**

TALIPES CAVUS see **FOOT DEFORMITIES**

TALIPES EQUINOVARUS see **CLUBFOOT**

TALOCALCANEAL JOINT see **SUBTALAR JOINT**

TALUS

Enigma of pediatric vertical talus deformity. Marcinko DE, et al. **J Foot Surg** 1990 Sep-Oct;29(5):452-8 (39 ref.)

ANATOMY & HISTOLOGY

The lateral ligamentous support of the subtalar joint. Harper MC. **Foot Ankle** 1991 Jun;11(6):354-8 (12 ref.)

INJURIES

Posteriormedial dislocation of the talus. A case report and review of the literature. Hidalgo Ovejero AM, et al. **Acta Orthop Belg** 1991;57(1):63-7 (16 ref.)

Injuries to the talus-neck fractures and osteochondral lesions (osteochondritis dissecans). Dickson KF, et al. **J Foot Surg** 1991 May-Jun;30(3):310-8 (28 ref.)

TAMOXIFEN

ADVERSE EFFECTS

Antiestrogen chemoprevention of breast cancer: critical issues and research. Love RR. **Prev Med** 1991 Jan; 20(1):64-78 (94 ref.)

[Tamoxifen and endometrial adenocarcinoma] Rodier JF, et al. **Bull Cancer (Paris)** 1990;77(12):1207-10 (20 ref.) (Eng. Abstr.) **(Fre)**

ANALOGS & DERIVATIVES

Introduction to toremifene. Kangas L. **Breast Cancer Res Treat** 1990 Aug;16 Suppl:S3-7 (14 ref.)

Preclinical studies with toremifene as an antitumor agent. Robinson SP, et al. **Breast Cancer Res Treat** 1990 Aug;16 Suppl:S9-17 (25 ref.)

Phase II trials with toremifene in advanced breast cancer: a review. Valavaara R. **Breast Cancer Res Treat** 1990 Aug; 16 Suppl:S31-5 (17 ref.)

Predictive value of tumor estrogen and progesterone receptor levels in postmenopausal women with advanced breast cancer treated with toremifene. Valavaara R, et al. **Cancer** 1990 Dec 1;66(11):2264-9 (47 ref.)

[The anti-estrogenic effect of 4-chloro-1,2-diphenyl-1-(4-[2-(N,N-dimethylamino) ethoxy]phenyl)1-butene (Toremifene) on the endocrine regulation in breast cancer patients] Számel I, et al. **Orv Hetil** 1991 Mar 31;132(13):683-6 (22 ref.) (Eng. Abstr.) **(Hun)**

THERAPEUTIC USE

Adjuvant therapy in early breast cancer. Chittoor SR, et al. **Am Fam Physician** 1991 Aug;44(2):453-62 (33 ref.)

Studies of tamoxifen in women with mastalgia. Fentiman IS, et al. **Br J Clin Pract Symp Suppl** 1989 Nov;68:34-6; discussion 49-53 (7 ref.)

Adjuvant endocrine therapy for operable breast cancer. Stewart HJ. **Bull Cancer (Paris)** 1991;78(4):379-84 (21 ref.)

Endocrine therapy for desmoid tumors. Wilcken N, et al. **Cancer** 1991 Sep 15;68(6):1384-8 (30 ref.)

Systemic therapy with single agents for advanced or recurrent endometrial carcinoma. Thigpen T. **Cancer Treat Res** 1989;49:93-106 (51 ref.)

Long-term adjuvant tamoxifen therapy for breast cancer: the prelude to prevention. Jordan VC. **Cancer Treat Rev** 1990 Mar;17(1):15-36 (123 ref.)

Hormonal aspects of endometrial cancer. Sutton G. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):69-73 (16 ref.)

Adjuvant therapy for stages I and II breast cancer. Henderson IC. **Curr Opin Oncol** 1989 Dec;1(2):308-17 (22 ref.)

Tamoxifen in premenopausal patients with metastatic breast cancer: a review. Sunderland MC, et al. **J Clin Oncol** 1991 Jul;9(7):1283-97 (138 ref.)

Hormonal treatment of endometrial carcinoma: an overview and new development in biology. Satyaswaroop PG, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):997-1001 (10 ref.)

Chemosuppression of breast cancer with long-term tamoxifen therapy. Jordan VC. **Prev Med** 1991 Jan;20(1):3-14 (90 ref.)

Adjuvant antiestrogen therapy for breast cancer. Past, present, and future. Gibson DF, et al. **Surg Clin North Am** 1990 Oct;70(5):1103-13 (87 ref.)

[Pancreatic carcinoma, sex hormones receptors and treatment with tamoxifen] Grunebaum E, et al. **Harefuah** 1991 Mar 15;120(6):340-3 (32 ref.) **(Heb)**

TANDEM REPEAT see **REPETITIVE SEQUENCES, NUCLEIC ACID**

TANGIER DISEASE

PHYSIOPATHOLOGY

The role of HDL in reverse cholesterol transport and its disturbances in Tangier disease and HDL deficiency with xanthomas. Schmitz G, et al. **Eur Heart J** 1990 Aug;11 Suppl E:197-211 (98 ref.)

TAPE RECORDING, VIDEO see **VIDEOTAPE RECORDING**

TAPETORETINAL DEGENERATION see **RETINITIS PIGMENTOSA**

TAPEWORM INFECTION see **CESTODE INFECTIONS**

TAPEWORMS see **CESTODA**

TAPIOCA see **CASSAVA**

TARGETED TOXINS see **IMMUNOTOXINS**

TARICHA see **SALAMANDRIDAE**

TARICHATOXIN see **TETRODOTOXIN**

TARS

PHARMACOLOGY

Effects of zinc oxide, rosin and resin acids and their combinations on bacterial growth and inflammatory cells. Söderberg TA. **Scand J Plast Reconstr Surg Suppl** 1990; 22:1-87 (193 ref.)

TARSAL BONES

ABNORMALITIES

Tarsal coalition: etiology, diagnosis, and treatment. Pachuda NM, et al. **J Foot Surg** 1990 Sep-Oct;29(5):474-88 (70 ref.)

INJURIES

Fixation devices in rearfoot surgery. Corey SV, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):433-47 (21 ref.)

SURGERY

Calcaneonavicular bar resection. Alter SA. **Clin Podiatr Med Surg** 1991 Jul;8(3):469-83 (15 ref.)

Common exostectomies of the rearfoot. Le TA, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):601-23 (69 ref.)

Cole osteotomy. Navicular-cuneiform arthrodesis-transcuboidal osteotomy. Leal LO, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):637-45 (15 ref.)

Bone grafting in rearfoot surgery. Wolf K. **Clin Podiatr Med Surg** 1991 Jul;8(3):449-67 (28 ref.)

TARSAL JOINT

[Course of bone lesions of leprosic feet towards dislocation of the tarsus and metatarsus] Carayon A, et al. **Rev Chir Orthop** 1990;76(8):579-82 (11 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Effects of ankle arthrodesis on the subtalar and midtarsal joints. Conti RJ, et al. **J Foot Surg** 1990 Jul-Aug; 29(4):334-6 (11 ref.)

TARSAL TUNNEL SYNDROME

Tarsal tunnel syndrome: review of the literature. Cimino WR. **Foot Ankle** 1990 Aug;11(1):47-52 (46 ref.)

ETIOLOGY

Tarsal tunnel syndrome in athletes. Case reports and literature review. Jackson DL, et al. **Am J Sports Med** 1991 Jan-Feb;19(1):61-5 (38 ref.)

SURGERY

The tarsal tunnel syndrome and its surgical decompression. Mendicino SS, et al. **Clin Podiatr Med Surg** 1991 Jul; 8(3):501-12 (27 ref.)

TARSUS

see related
TARSAL BONES

INJURIES

[Imaging techniques in trauma of the ankle joint and tarsus] Lehner K, et al. **Rontgenpraxis** 1991 Jan;44(1):9-15 (10 ref.) **(Ger)**

TARSUS OSSEUS see **TARSUS**

TARTRAZINE

ADVERSE EFFECTS

Tartrazine sensitivity. Dipalma JR. **Am Fam Physician** 1990 Nov;42(5):1347-50 (33 ref.)

TASK PERFORMANCE AND ANALYSIS

Motor skill acquisition. Higgins S. **Phys Ther** 1991 Feb; 71(2):123-39 (63 ref.)

Sodium bicarbonate ingestion and exercise performance. An update. Linderman J, et al. **Sports Med** 1991 Feb;11(2):71-7 (30 ref.)

TASTE

Off-flavors in foods. Reineccius G. **Crit Rev Food Sci Nutr** 1991;29(6):381-402 (98 ref.)

Taste, food exposure, and eating behavior. Capaldi ED, et al. **Hosp Community Psychiatry** 1991 Aug;42(8):787-9 (20 ref.)

Effects of feeds on flavor of red meat: a review. Melton SL. **J Anim Sci** 1990 Dec;68(12):4421-35 (83 ref.)

A sensory perspective of effect of feeds on flavor in meats: poultry meats. Poste LM. **J Anim Sci** 1990 Dec; 68(12):4414-20 (28 ref.)

Taste-active components in some foods: a review of Japanese research. Fuke S, et al. **Physiol Behav** 1991 May;49(5):863-8 (27 ref.)

A contrarian view of the wisdom of the body as it relates to dietary self-selection. Galef BG Jr. **Psychol Rev** 1991 Apr;98(2):218-23 (55 ref.)

[Can one become dependent on sugar?] Pudel V. **Z Ernahrungswiss** 1990;29 Suppl 1:62-6 (13 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Molecular mechanisms of reception and transduction in olfaction and taste. Kurihara K. **Jpn J Physiol** 1990; 40(3):305-24 (89 ref.)

Transduction mechanisms for the taste of amino acids. Brand JG, et al. **Physiol Behav** 1991 May;49(5):899-904 (26 ref.)

Mechanisms of diet selection: the translation of needs into behaviour. Rogers PJ, et al. **Proc Nutr Soc** 1991 Mar; 50(1):65-70 (32 ref.)

[New morphologic principles of the physiology of smell and taste] Andres KH. **Arch Otorhinolaryngol** 1975;210(1):1-41 (31 ref.) (Eng. Abstr.) **(Ger)**

[Evaluating function and disorders of taste] Rollin H. **Arch Otorhinolaryngol** 1975;210(1):165-218 (310 ref.) (Eng. Abstr.) **(Ger)**

[Physiology of smell and taste] von Baumgarten R. **Arch Otorhinolaryngol** 1975;210(1):43-65 (45 ref.) (Eng. Abstr.) **(Ger)**

TASTE BUDS

ANATOMY & HISTOLOGY

[New morphologic principles of the physiology of smell and taste] Andres KH. **Arch Otorhinolaryngol** 1975;210(1):1-41 (31 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Mechanisms of chemosensory transduction in taste cells. Akabas MH. **Int Rev Neurobiol** 1990;32:241-79 (223 ref.)

Transduction mechanisms for the taste of amino acids. Brand JG, et al. **Physiol Behav** 1991 May;49(5):899-904 (26 ref.)

Taste cells in the gut and on the tongue. Their common, paraneuronal features. Fujita T. **Physiol Behav** 1991 May; 49(5):883-5 (12 ref.)

[Physiology of smell and taste] von Baumgarten R. **Arch Otorhinolaryngol** 1975;210(1):43-65 (45 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Evaluating function and disorders of taste] Rollin H. **Arch Otorhinolaryngol** 1975;210(1):165-218 (310 ref.) (Eng. Abstr.) **(Ger)**

TASTE DISORDERS

PHYSIOPATHOLOGY

[Evaluating function and disorders of taste] Rollin H. **Arch Otorhinolaryngol** 1975;210(1):165-218 (310 ref.) (Eng. Abstr.) **(Ger)**

TAT GENE PRODUCTS see **GENE PRODUCTS, TAT**

TAT PROTEIN see **GENE PRODUCTS, TAT**

TATTOOING

ADVERSE EFFECTS

[A case of lepromatous leprosy inoculated by tattooing] Itamar BS. **Ann Dermatol Venereol** 1990;117(9):631-3 (8 ref.) **(Fre)**

TAURINE

ANALYSIS

Spatial distribution of taurine in the teleost retina and its role in retinal tissue regeneration. Lima L, et al. **Prog Clin Biol Res** 1990;351:103-12 (34 ref.)

Immunocytochemical visualization of taurine-containing and taurine-synthesizing cells. Madsen S. **Prog Clin Biol Res** 1990;351:21-8 (24 ref.)

Immunocytochemical localization of taurine: methodological aspects. Madsen S, et al. **Prog Clin Biol Res** 1990;351:37-44

(16 ref.)

DEFICIENCY

Effects of taurine depletion on excitable tissues: recent studies. Lake N. **Prog Clin Biol Res** 1990;351:407–14 (20 ref.)

Taurine deficiency. Sturman JA. **Prog Clin Biol Res** 1990; 351:385–95 (68 ref.)

METABOLISM

The renal transport of taurine and the regulation of renal sodium–chloride–dependent transporter activity. Chesney RW, et al. **Pediatr Nephrol** 1990 Jul;4(4):399–407 (37 ref.)

The interaction between taurine, calcium and phospholipids: further investigations of a trinitarian hypothesis. Huxtable RJ. **Prog Clin Biol Res** 1990;351:185–96 (33 ref.)

Taurine transport and cell volume regulation in a mammalian cell. Lambert IH, et al. **Prog Clin Biol Res** 1990;351:267–76 (26 ref.)

Derangements in cerebral osmohomeostasis: a common denominator for stimulation of taurine and phosphoethanolamine release. Lehmann A. **Prog Clin Biol Res** 1990;351:337–47 (34 ref.)

Taurine release associated to cell swelling in the nervous system. Pasantes-Morales H, et al. **Prog Clin Biol Res** 1990; 351:369–76 (22 ref.)

Depolarization induced neuronal release of taurine in relation to synaptic transmission: comparison with GABA and glutamate. Schousboe A, et al. **Prog Clin Biol Res** 1990; 351:289–97 (36 ref.)

Uptake and release of taurine—an overview. Shain W, et al. **Prog Clin Biol Res** 1990;351:243–52 (37 ref.)

PHYSIOLOGY

A GABA-agonist like effect of taurine on the formation of low affinity GABA receptors on cultured cerebellar granule cells. Abraham JH, et al. **Prog Clin Biol Res** 1990; 351:77–81 (13 ref.)

Taurine and volume regulation in fish cells. Fugelli K, et al. **Prog Clin Biol Res** 1990;351:481–8 (13 ref.)

Spatial distribution of taurine in the teleost retina and its role in retinal tissue regeneration. Lima L, et al. **Prog Clin Biol Res** 1990;351:103–12 (34 ref.)

Homeostatic and protective effects of taurine. Nakagawa M. **Prog Clin Biol Res** 1990;351:447–9 (10 ref.)

Neuromodulatory and trophic actions of taurine. Oja SS, et al. **Prog Clin Biol Res** 1990;351:69–76 (22 ref.)

Taurine and mechanisms of cell volume regulation. Pasantes-Morales H, et al. **Prog Clin Biol Res** 1990; 351:317–28 (82 ref.)

Modulation of cardiac Ca++ current by taurine. Sawamura A, et al. **Prog Clin Biol Res** 1990;351:207–15 (19 ref.)

Taurine as a neuromodulator in the insect central nervous system. Strang RH, et al. **Prog Clin Biol Res** 1990; 351:227–35 (13 ref.)

Neuronal discharge hypersynchrony and the intracranial water balance in relation to glutamic acid and taurine redistribution: migraine and epilepsy. van Gelder NM. **Prog Clin Biol Res** 1990;351:1–20 (83 ref.)

TAUSSIG-BING ANOMALY see **DOUBLE OUTLET RIGHT VENTRICLE**

TAX GENE PRODUCTS see **GENE PRODUCTS, TAX**

TAX GENES see **GENES, PX**

TAX PROTEIN see **GENE PRODUCTS, TAX**

TAXES

LEGISLATION & JURISPRUDENCE

The conundrum of charitability: reassessing tax exemption for hospitals. Hyman DA. **Am J Law Med** 1990; 16(3):327–80 (0 ref.)

TAY-SACHS DISEASE

GENETICS

The biochemistry of HEXA and HEXB gene mutations causing GM2 gangliosidosis. Mahuran DJ. **Biochim Biophys Acta** 1991 Feb 22;1096(2):87–94 (81 ref.)

The molecular basis of Tay-Sachs disease: mutation identification and diagnosis. Mahuran DJ, et al. **Clin Biochem** 1990 Oct;23(5):409–15 (60 ref.)

TAY-SACHS DISEASE GANGLIOSIDE see **G(M2) GANGLIOSIDE**

TC-DTPA see **TECHNETIUM TC 99M PENTETATE**

99MTC-DTPA see **TECHNETIUM TC 99M PENTETATE**

TC-99M MDP see **TECHNETIUM TC 99M MEDRONATE**

TCGF see **INTERLEUKIN-2**

TEA

see related
THEOPHYLLINE

ADVERSE EFFECTS

Tea. **IARC Monogr Eval Carcinog Risks Hum** 1991;51:207–71 (150 ref.)

TEACHING

Abuse and neglect in schools. Sugar M. **Am J Psychother** 1990 Oct;44(4):484–98 (41 ref.)

Preparing surgery house officers for their teaching role. Sheets KJ, et al. **Am J Surg** 1991 Apr;161(4):443–9 (43 ref.)

Review of the teaching of medical ethics in London medical schools. Burling SJ, et al. **J Med Ethics** 1990 Dec; 16(4):206–9 (11 ref.)

[Residents and the teaching role: review of the literature] Chamberland M, et al. **Can Med Assoc J** 1990 Oct 15; 143(8):725–30 (34 ref.) (Eng. Abstr.) **(Fre)**

METHODS

Application of teaching and learning principles to computer-aided instruction. Jelovsek FR, et al. **MD Comput** 1989 Sep–Oct;6(5):267–73 (17 ref.)

[Teaching methods in continuing education] Rügheimer E. **Klin Anasthesiol Intensivther** 1990;38:348–66 (20 ref.) **(Ger)**

STANDARDS

The evaluation of teaching in undergraduate psychiatric education: students' attitudes to psychiatry and the evaluation of clinical competency. Kelly B, et al. **Med Teach** 1991;13(1):77–87 (37 ref.)

The problem of poor retention of cardiopulmonary resuscitation skills may lie with the instructor, not the learner or the curriculum. Kaye W, et al. **Resuscitation** 1991 Feb;21(1):67–87 (61 ref.)

TEACHING MATERIALS

Evaluating written patient education materials. Frank-Stromborg M, et al. **Semin Oncol Nurs** 1991 May; 7(2):125–34 (34 ref.)

STANDARDS

The gap between patient reading comprehension and the readability of patient education materials. Davis TC, et al. **J Fam Pract** 1990 Nov;31(5):533–8 (26 ref.)

TEARS

[Tear film diagnosis in contact lens wearers] Lemp MA, et al. **Klin Monatsbl Augenheilkd** 1990 Sep;197(3):202–6 (26 ref.) (Eng. Abstr.) **(Ger)**

CHEMISTRY

[Diagnosis of disturbances in pre-ocular tear film] Prost M. **Klin Oczna** 1991 Jan;93(1):29–30 (20 ref.) (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Antibodies in human tears during and after infection. Friedman MG. **Surv Ophthalmol** 1990 Sep–Oct;35(2):151–7 (63 ref.)

PHYSIOLOGY

Influence of diet on tear function. Caffery BE. **Optom Vis Sci** 1991 Jan;68(1):58–72 (248 ref.)

[Physiology and function of pre-ocular tear film] Prost M. **Klin Oczna** 1990 Sep;92(5–6):111–3 (16 ref.) (Eng. Abstr.) **(Pol)**

[Causes of disturbance in the stability of lacrimal film] Prost M. **Klin Oczna** 1990 Sep;92(5–6):114–6 (11 ref.) (Eng. Abstr.) **(Pol)**

TEAS, HERBAL see **BEVERAGES**

TEAS, MEDICINAL see **BEVERAGES**

TECHNETIUM

see related
ORGANOTECHNETIUM COMPOUNDS

Direct labeling with 99mTc. Eckelman WC, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):3–7 (36 ref.)

DIAGNOSTIC USE

Animal models in radiotracer design of a Tc-labelled myocardial perfusion imaging agent. Mousa SA. **Am J Physiol Imaging** 1991;6(1):16–25 (22 ref.)

Labeling of anti-tumor antibodies and antibody fragments with Tc-99m. Hansen HJ, et al. **Cancer Treat Res** 1990; 51:233–44 (39 ref.)

Scintigraphic localization of ectopic parathyroid lesions with thallium-201. Moisa II, et al. **Head Neck** 1991 May–Jun; 13(3):184–90 (30 ref.)

PHARMACOKINETICS

Nonosseous accumulation of bone-seeking radiopharmaceuticals. Gentili A, et al. **Radiographics** 1990 Sep;10(5):871–81 (21 ref.)

TECHNETIUM-DTPA see **TECHNETIUM TC 99M PENTETATE**

TECHNETIUM METHYLENE DIPHOSPHONATE see **TECHNETIUM TC 99M MEDRONATE**

TECHNETIUM TC 99M MEDRONATE

PHARMACOKINETICS

Technetium-99m-methylene diphosphonate (MDP) uptake in a sympathetic effusion: an index of malignancy and a review of the literature. Cole TJ, et al. **J Nucl Med** 1991 Feb;32(2):325–7 (7 ref.)

TECHNETIUM TC 99M PENTETATE

DIAGNOSTIC USE

The use of radionuclide techniques in the assessment of alveolar–capillary membrane permeability on the intensive care unit. Hunter DN, et al. **Intensive Care Med** 1990; 16(6):363–71 (62 ref.)

PHARMACOKINETICS

Pulmonary clearance of 99mTc-DTPA. An index of alveolar epithelial permeability. Groth S. **Dan Med Bull** 1991 Jun; 38(3):189–203 (117 ref.)

TECHNOLOGY

Molecule of the year. Diamond: glittering prize for materials science [published erratum appears in Science 1991 Jan 25;251(4992):362] Guyer RL, et al. **Science** 1990 Dec 21; 250(4988):1640–3 (0 ref.)

TECHNOLOGY ASSESSMENT, BIOMEDICAL

Status of medical engineering technology assessment in Japan. Kikuchi M. **Front Med Biol Eng** 1991;3(1):3–15 (9 ref.)

Electroencephalographic (EEG) video monitoring. Erlichman M. **Health Technol Assess Rep** 1990;(4):1–14 (46 ref.)

Carotid endarterectomy. Handelsman H. **Health Technol Assess Rep** 1990;(5):1–15 (130 ref.)

Extracranial–intracranial bypass to reduce the risk of ischemic stroke. Holohan TV. **Health Technol Assess Rep** 1990;(6):1–9 (44 ref.)

Role of parenteral nutrition in inflammatory bowel disease, acute renal failure, and hepatic encephalopathy. Clinical Efficacy Assessment Subcommittee of the Health and Public Policy Subcommittee, American College of Physicians. **Int J Technol Assess Health Care** 1990; 6(4):655–62 (32 ref.)

Nonsurgical treatment of cholelithiasis. An analysis of clinical opportunity. Weinstein DF, et al. **Int J Technol Assess Health Care** 1990;6(4):643–54 (37 ref.)

Should a major imaging procedure (CT or MRI) be required in the workup of dementia? An opposing view. Clarfield AM, et al. **J Fam Pract** 1990 Oct;31(4):405–10 (25 ref.)

Should a major imaging procedure (CT or MRI) be required in the workup of dementia? An affirmative view. Katzman R. **J Fam Pract** 1990 Oct;31(4):401–5 (20 ref.)

Cardiology and the quality of medical practice. The Cardiology Working Group [see comments] **JAMA** 1991 Jan 23–30;265(4):482–5; discussion 496–8 (17 ref.) Comment in: JAMA 1991 Jul 17;266(3):364.

ECONOMICS

The economic implications of radiologic screening for colonic cancer. Gelfand DW, et al. **AJR Am J Roentgenol** 1991 May;156(5):939–43 (51 ref.)

TRENDS

Technology assessment—an update [see comments] Rettig RA. **Invest Radiol** 1991 Feb;26(2):165–73 (88 ref.) Comment in: Invest Radiol 1991 Feb;26(2):109.

TECHNOLOGY, DENTAL

Technological methods in the diagnosis and treatment of temporomandibular disorders. Laskin DM, et al. **Int J Technol Assess Health Care** 1990;6(4):558–68 (71 ref.)

TRENDS

Pit and fissure sealants. An underutilized preventive technology. Cohen LD. **Int J Technol Assess Health Care** 1990;6(3):378–91 (74 ref.)

Present and future value of dental composite materials and sealants. Dogon IL. **Int J Technol Assess Health Care** 1990; 6(3):369–77 (52 ref.)

Oral radiology. An expanding technology in search of a direction. Gröndahl HG.

Int J Technol Assess Health Care 1990;6(4):610–9 (41 ref.)

TECHNOLOGY, FOOD see **FOOD TECHNOLOGY**

TECHNOLOGY, HIGH-COST

Access to high-tech health care. Ethics. Merrill JM. **Cancer** 1991 Mar 15;67(6 Suppl):1750–2 (6 ref.)

Technological innovation and the winning-combination phenomenon. The case of the extracorporeal lithotriptor. Poulin D. **Int J Technol Assess Health Care** 1991;7(1):63–7 (9 ref.)

The financial impact of the high technology newborn. Edell DS, et al. **N C Med J** 1991 Feb;52(2):97–9 (10 ref.)

TECHNOLOGY, MEDICAL

see related
DIAGNOSIS, LABORATORY

Ethical problems of medical technology. Vilardell F. **Bull Pan Am Health Organ** 1990;24(4):379–85 (19 ref.)

New technologies for the treatment of obstructive arterial disease. Fischell TA, et al. **Cathet Cardiovasc Diagn** 1991 Mar;22(3):205–33 (167 ref.)

EDUCATION

[Training in medical technological equipment] Obermayer A. **Klin Anasthesiol Intensivther** 1990;38:308–13 (0 ref.) **(Ger)**

INSTRUMENTATION

[Surgical dissection and anastomosis in medicine—from the viewpoint of technique] Reidenbach HD. **Biomed Tech (Berlin)** 1990;35 Suppl 3:1–9 (11 ref.) **(Ger)**

[Special therapeutic directions. 4: Procedures with technical assistance and diagnostic procedures] Eujen R. **Med Monatsschr Pharm** 1991 Apr;14(4):109–17 (8 ref.) **(Ger)**

LEGISLATION & JURISPRUDENCE

Patenting medical technology. Noonan WD. **J Leg Med** 1990 Sep;11(3):263–319 (303 ref.)

STANDARDS

Health care in the developing world: need for appropriate laboratory technology [see comments] Heuck CC, et al. **Clin Chem** 1991 Apr;37(4):490–6 (20 ref.) Comment in: Clin Chem 1991 Apr;37(4):488–9.

TRENDS

High technology and psychiatric care of the elderly. Lieff JD. **Int Psychogeriatr** 1989 Spring;1(1):87–101 (50 ref.)

Ethics and technological advances: contributions of social work practice. Abramson M. **Soc Work Health Care** 1990; 15(2):5–17 (31 ref.)

[Status and perspectives of medical technique] Matauschek J. **Z Gesamte Inn Med** 1990 Sep 1;45(17):517–9 (4 ref.) (Eng. Abstr.) **(Ger)**

TECHNOLOGY, RADIOLOGIC

The determination of phantom and collimator scatter components of the output of megavoltage photon beams: measurement of the collimator scatter part with a beam-coaxial narrow cylindrical phantom. van Gasteren JJ, et al. **Radiother Oncol** 1991 Apr;20(4):250–7 (27 ref.)

STANDARDS

[Ethics in radiology] Wenz W. **Schweiz Med Wochenschr** 1991 Mar 2;121(9):275–81 (18 ref.) (Eng. Abstr.) **(Ger)**

TECTUM MESENCEPHALI see **CORPORA QUADRIGEMINA**

TEENAGE PREGNANCY see **PREGNANCY IN ADOLESCENCE**

TEFLON see **POLYTETRAFLUOROETHYLENE**

TEGAFUR

ADMINISTRATION & DOSAGE

[Effect of tegafur administration combined with hormonal therapy in patients with newly diagnosed stage D prostatic cancer] Kobayashi N, et al. **Hinyokika Kiyo** 1990 Jul; 36(7):793–800 (28 ref.) (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

[Experience with cytostatic therapy of stomach cancer] Kuklis B, et al. **Orv Hetil** 1991 Aug 4;132(31):1691–4 (29 ref.) (Eng. Abstr.) **(Hun)**

TEGMENTUM MESENCEPHALI

ANATOMY & HISTOLOGY

The human substantia nigra and ventral tegmental area. A neuroanatomical study with notes on aging and aging diseases. van Domburg PH, et al. **Adv Anat Embryol Cell Biol** 1991;121:1–132 (0 ref.)

TEICHOIC ACIDS

METABOLISM

Biological properties of staphylococcal lipoteichoic acid and related macromolecules. Ohshima Y, et al. **Int J Med Microbiol** 1990 Dec;274(3):359–65 (40 ref.)

TELANGIECTASIA, HEREDITARY HEMORRHAGIC

SURGERY

Septal dermoplasty for hereditary telangiectasia and other conditions. Saunders WH. **Otolaryngol Clin North Am** 1973 Oct;6(3):745–55 (7 ref.)

TELANGIECTASIS

[Juxto-foveolar telangiectasia, and Leber-Coats disease] Zografos L. **Ophtalmologie** 1987 Apr-Jun;1(2):175–85 (52 ref.) **(Fre)**

DIAGNOSIS

[Pigmentary retinopathy and Coats' vasculopathy] Munteanu C. **Oftalmologia** 1990 Apr-Jun;34(2):135–42 (25 ref.) (Eng. Abstr.) **(Rum)**

THERAPY

Small vessel sclerotherapy: an overview. Duffy DM. **Adv Dermatol** 1988;3:221–42 (21 ref.)

Laser treatment of benign cutaneous vascular lesions. Alster T, et al. **Am Fam Physician** 1991 Aug;44(2):547–54 (35 ref.)

TELECOMMUNICATION NETWORKS see **COMPUTER COMMUNICATION NETWORKS**

TELECOMMUNICATIONS

Click on the video learning connection. Hulse SF. **Radiol Technol** 1991 May-Jun;62(5):386–8 (6 ref.)

TELECONFERENCE see **TELECOMMUNICATIONS**

TELEMETRY

METHODS

Theory and application of diffuse infrared biotelemetry. Santić A. **Crit Rev Biomed Eng** 1991;18(4):289–309 (34 ref.)

TELENCEPHALON

"Perestroika" in the basal forebrain: opening the border between neurology and psychiatry. Heimer L, et al. **Prog Brain Res** 1991;87:109–65 (404 ref.)

CYTOLOGY

The migration of luteinizing hormone-releasing hormone (LHRH) neurons from the medial olfactory placode into the medial basal forebrain. Schwanzel-Fukuda M, et al. **Experientia** 1990 Sep 15;46(9):956–62 (61 ref.)

Tracing glial cell lineages in the mammalian forebrain. Goldman JE, et al. **GLIA** 1991;4(2):149–56 (50 ref.)

METABOLISM

Trophic regulation of basal forebrain gene expression in aging and Alzheimer's disease. Higgins GA, et al. **Prog Brain Res** 1990;86:239–55 (87 ref.)

PHYSIOLOGY

Elasmobranch vision: multimodal integration in the brain. Bodznick D. **J Exp Zool Suppl** 1990;5:108–16 (38 ref.)

TELEOLOGICAL ETHICS see **ETHICS**

TELEPHONE

The presentation of expert testimony via live audio-visual communication. Miller RD. **Bull Am Acad Psychiatry Law** 1991;19(1):5–20 (34 ref.)

TELERADIOISOTOPE THERAPY see **RADIOISOTOPE TELETHERAPY**

TELESCOPIC PROSTHESIS see **DENTURE, OVERLAY**

TELEVISION

The impact of television on children and clinical practice. Tonge BJ. **Aust N Z J Psychiatry** 1990 Dec;24(4):552–60 (65 ref.)

Children, adolescents, and television. Dietz WH, et al. **Curr Probl Pediatr** 1991 Jan;21(1):8–31; discussion 32 (206 ref.)

How epidemiologists can improve television network news coverage of disease cluster reports. Greenberg M, et al. **Epidemiology** 1990 Mar;1(2):167–70 (15 ref.)

Click on the video learning connection. Hulse SF. **Radiol Technol** 1991 May-Jun;62(5):386–8 (6 ref.)

[Presentation of violence in the media and its effects on children and adolescents] Selg H. **Z Kinder Jugenpsychiatr** 1990 Sep;18(3):152–6 (29 ref.) **(Ger)**

[Influence of violence in television programs of viewers' violence--a critical review] Shemesh E, et al. **Harefuah** 1991 Mar 1;120(5):283–6 (35 ref.) **(Heb)**

TEMPERATURE

see related
BODY TEMPERATURE
THERMOMETERS

Temperature and the seasonality of births. Lam DA, et al. **Adv Exp Med Biol** 1991;286:73–88 (44 ref.)

Epidemiologic aspects of the relationship between temperature and male reproduction. Spira A. **Adv Exp Med Biol** 1991;286:49–56 (12 ref.)

Effects of temperature on the biochemistry of the testis. Steinberger A. **Adv Exp Med Biol** 1991;286:33–47 (69 ref.)

Temperature acclimatization of the carp. Cellular and molecular aspects of the compensatory response. Krauskopf M, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun; 21(1):151–7 (31 ref.)

Sudden infant death syndrome (SIDS): a time lag factor. Reid GM. **Med Hypotheses** 1991 Feb;34(2):186–9 (20 ref.)

Is hsp70 the cellular thermometer? Craig EA, et al. **Trends Biochem Sci** 1991 Apr;16(4):135–40 (40 ref.)

Strategies for coping with low environmental temperatures. Harwood J. **Trends Biochem Sci** 1991 Apr;16(4):126–7 (7 ref.)

[The current status of and outlook for the development of the forensic medical identification of persons by bones exposed to high-temperature effects] Golubovich LL, et al. **Sud Med Ekspert** 1990 Oct-Dec;33(4):45–7 (64 ref.) **(Rus)**

TEMPERATURE SENSE

PHYSIOLOGY

An update on thermosensitive neurons in the brain: from cellular biology to thermal and non-thermal homeostatic functions. Hori T. **Jpn J Physiol** 1991;41(1):1–22 (71 ref.)

TEMPLATES

A template based method of pattern matching in protein sequences. Taylor WR. **Prog Biophys Mol Biol** 1989; 54(3):159–252 (80 ref.)

TEMPORAL ARTERITIS

Giant cell arteritis. Bengtsson BA. **Curr Opin Rheumatol** 1990 Feb;2(1):60–5 (17 ref.)

Giant cell and Takayasu's arteritis. Bengtsson BA, et al. **Curr Opin Rheumatol** 1991 Feb;3(1):15–22 (47 ref.)

COMPLICATIONS

[Tongue necrosis disclosing Horton's disease. Role of an associated ergotism (letter)] Saveuse H, et al. **Ann Med Interne (Paris)** 1990;141(7):635–7 (37 ref.) **(Fre)**

[Peripheral nerve diseases disclosing Horton's disease (2 cases)] Balquet MH, et al. **Rev Med Interne** 1991 Jan-Feb; 12(1):57–9 (10 ref.) (Eng. Abstr.) **(Fre)**

[Genital sites of giant-cell arteritis] Ducroix JP, et al. **Rev Med Interne** 1990 Jul-Aug;11(4):285–8 (33 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Special considerations in orofacial pain. Austin DG, et al. **Dent Clin North Am** 1991 Jan;35(1):227–44 (159 ref.)

Giant cell arteritis and polymyalgia rheumatica. Spiera H. **Hosp Pract [Off]** 1990 Nov 15;25(11):71–4, 77–8, 81–4 passim (5 ref.)

Giant cell arteritis presenting as limb claudication. Report and review of the literature. Walz-Leblanc BA, et al. **J Rheumatol** 1991 Mar;18(3):470–2 (18 ref.)

[Temporal arteritis: diagnostic and therapeutic approach. What is new?] Lantin JP, et al. **Schweiz Rundsch Med Prax** 1991 Apr 9;80(15):379–82 (41 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Giant cell arteritis (temporal arteritis) affecting the breast: report of two cases and review of published reports. McKendry RJ, et al. **Ann Rheum Dis** 1990 Dec; 49(12):1001–4 (23 ref.)

A study of elastic tissue and actinic radiation in "aging," temporal arteritis, polymyalgia rheumatica, and atherosclerosis. The actinic storm in the modern world. O'Brien JP, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 1):765–76 (108 ref.)

[A case of temporal arteritis associated with polymyalgia rheumatica and subclinical Sjögren's syndrome] Kohriyama K, et al. **Ryumachi** 1990 Aug;30(4):272–80 (27 ref.) (Eng. Abstr.) **(Jpn)**

TEMPORAL BONE

see related

LABYRINTH

Temporal bone chemodectomas--comparing surgery and radiation therapy. Springate SC, et al. **Oncology (Williston Park)** 1991 Apr;5(4):131-7; discussion 140, 143 (34 ref.)

[Unilateral (7 cases), bilateral (1 case) cerebral xanthomatosis: involvement of the temporal bone alone?] Defauchy M. **Bull Soc Ophtalmol Fr** 1990 Aug-Sep;90(8-9):837-41 (7 ref.) (Eng. Abstr.) **(Fre)**

[Aneurysmal temporal bone cyst. Apropos of 2 new cases] Pellet W, et al. **Neurochirurgie** 1991;37(3):160-72 (39 ref.) (Eng. Abstr.) **(Fre)**

ABNORMALITIES

Congenital malformations of the ear. Petasnick JP. **Otolaryngol Clin North Am** 1973 Jun;6(2):413-28 (24 ref.)

BLOOD SUPPLY

[Vascular pathology of the temporal bone] Trujillo M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(5):443-51 (50 ref.) (Eng. Abstr.) **(Fre)**

INJURIES

Trauma of the ear. Potter GD. **Otolaryngol Clin North Am** 1973 Jun;6(2):401-12 (4 ref.)

PATHOLOGY

Metastatic vaginal carcinoma to the temporal bone. Corey JP, et al. **Am J Otol** 1991 Mar;12(2):128-31 (20 ref.)

Human cytomegalovirus labyrinthitis. Strauss M. **Am J Otolaryngol** 1990 Sep-Oct;11(5):292-8 (29 ref.)

A case of eosinophilic granuloma in the temporal bone. Wanifuchi N, et al. **Auris Nasus Larynx** 1991;18(1):17-26 (62 ref.)

The temporal bone: imaging considerations. Swartz JD. **Crit Rev Diagn Imaging** 1990;30(4):341-417 (68 ref.)

Imaging of the temporal bone. Jabour BA. **Curr Opin Radiol** 1991 Feb;3(1):57-60 (16 ref.)

Temporal bone involvement by prostatic adenocarcinoma: report of two cases and review of the literature. Sahin AA, et al. **Head Neck** 1991 Jul-Aug;13(4):349-54 (24 ref.)

The temporal bone: an organ in search of a histopathology. Michaels L. **Histopathology** 1991 May;18(5):391-4 (25 ref.)

Elongated styloid process: an overview. Murthy PS, et al. **Int J Oral Maxillofac Surg** 1990 Aug;19(4):230-1 (12 ref.)

The temporal bone: magnetic resonance imaging. Swartz JD, et al. **Top Magn Reson Imaging** 1990 Sep;2(4):1-16 (36 ref.)

RADIOGRAPHY

Tomographic anatomy of the temporal bone. Buckingham RA, et al. **Otolaryngol Clin North Am** 1973 Jun;6(2):337-62 (4 ref.)

Conventional radiography of the temporal bone. Laszlo I. **Otolaryngol Clin North Am** 1973 Jun;6(2):323-36 (8 ref.)

Eosinophilic granuloma of the temporal bone: radiological approach in the pediatric patient. Hadjigeorgi C, et al. **Pediatr Radiol** 1990;20(7):546-9 (21 ref.)

SURGERY

Temporal and malar-zygomatic reduction and augmentation. Whitaker LA. **Clin Plast Surg** 1991 Jan;18(1):55-64 (16 ref.)

TEMPORAL LOBE

Psychosis and the temporal lobe. Stevens JR. **Adv Neurol** 1991;55:79-96 (98 ref.)

Intractable complex partial seizures associated with occult temporal lobe encephalocele and meningoangiomatosis: a case report. Whiting DM, et al. **Surg Neurol** 1990 Nov; 34(5):318-22 (12 ref.)

ABNORMALITIES

Are complex partial seizures a sequela of temporal lobe dysgenesis? Scheibel AB. **Adv Neurol** 1991;55:59-77 (70 ref.)

PATHOLOGY

Primary CNS malignant rhabdoid tumor (MRT): report of two cases and review of literature. Chou SM, et al. **Clin Neuropathol** 1991 Jan-Feb;10(1):1-10 (25 ref.)

Temporal lobe asymmetries as the key to the etiology of schizophrenia. Crow TJ. **Schizophr Bull** 1990;16(3):433-43 (53 ref.)

A viral-anatomical explantation of schizophrenia [see comments] Torrey EF. **Schizophr Bull** 1991;17(1):15-8 (24 ref.) Comment in: Schizophr Bull 1991;17(1):19-24.

PHYSIOLOGY

Temporal coherence of superimposed EEG waves: a problem in nonlinearity. Stowell H. **Int J Neurosci** 1990 Jan; 50(1-2):121-6 (32 ref.)

The medial temporal lobe memory system. Squire LR, et al. **Science** 1991 Sep 20;253(5026):1380-6 (61 ref.)

Visual association pathways in human brain. Iwata M. **Tohoku J Exp Med** 1990 Aug;161 Suppl:61-78 (27 ref.)

Cortical connections of MT in four species of primates: areal, modular, and retinotopic patterns. Krubitzer LA, et al. **Vis Neurosci** 1990 Aug;5(2):165-204 (147 ref.)

PHYSIOPATHOLOGY

The frontal lobes, basal ganglia, and temporal lobes as sites for schizophrenia. Buchsbaum MS. **Schizophr Bull** 1990; 16(3):379-89 (56 ref.)

SURGERY

Effects of temporal lobe surgery on behavior. Rausch R. **Adv Neurol** 1991;55:279-92 (65 ref.)

Surgical management of intractable seizure disorders. Hodges K, et al. **J Neurosci Nurs** 1991 Apr;23(2):93-100 (20 ref.)

TEMPORAL MUSCLE

Hemangioma of the temporalis muscle. Sharma BS, et al. **Ann Otol Rhinol Laryngol** 1991 Jan;100(1):76-8 (18 ref.)

TRANSPLANTATION

[Use of a posterior temporal muscle flap in surgery of the temporomandibular joint] Cheynet F, et al. **Rev Stomatol Chir Maxillofac** 1991;92(2):84-91 (27 ref.) (Eng. Abstr.) **(Fre)**

TEMPORARY THRESHOLD SHIFT, AUDITORY see **AUDITORY FATIGUE**

TEMPOROMANDIBULAR JOINT

ANATOMY & HISTOLOGY

Magnetic resonance imaging of the temporomandibular joint. Pollei SR, et al. **Semin Ultrasound CT MR** 1990 Aug; 11(4):346-61 (73 ref.)

[The temporomandibular joint: anatomy, physiology, clinical review] Poignonec S, et al. **Ann Radiol (Paris)** 1990; 33(7-8):363-71 (24 ref.) (Eng. Abstr.) **(Fre)**

[Biometry of the temporomandibular joint] **Orthod Fr** 1990; 61 Pt 1:265-78 (0 ref.) **(Fre)**

[Diagnostic temporomandibular arthroscopy. Technic. Normal anatomy] Chossegros C, et al. **Rev Stomatol Chir Maxillofac** 1990;91(6):409-16 (19 ref.) (Eng. Abstr.) **(Fre)**

CHEMISTRY

Characterization of the extracellular matrix of the primate temporomandibular joint. Milam SB, et al. **J Oral Maxillofac Surg** 1991 Apr;49(4):381-91 (73 ref.)

PHYSIOPATHOLOGY

Orthodontic treatment and temporomandibular joint sounds--a longitudinal study. Sadowsky C, et al. **Am J Orthod Dentofacial Orthop** 1991 May;99(5):441-7 (49 ref.)

RADIOGRAPHY

Diagnostic imaging of the temporomandibular joint. Dixon DC. **Dent Clin North Am** 1991 Jan;35(1):53-74 (60 ref.)

The temporomandibular joint. Pruzansky S. **Otolaryngol Clin North Am** 1973 Jun;6(2):523-48 (26 ref.)

[The temporomandibular joint: is it a joint like other joints? Radiologic examination of the joint] **Orthod Fr** 1990;61 Pt 1:193-207 (0 ref.) **(Fre)**

[Imaging of the temporomandibular joint] **Orthod Fr** 1990; 61 Pt 1:209-64 (0 ref.) **(Fre)**

SURGERY

[Use of a posterior temporal muscle flap in surgery of the temporomandibular joint] Cheynet F, et al. **Rev Stomatol Chir Maxillofac** 1991;92(2):84-91 (27 ref.) (Eng. Abstr.) **(Fre)**

TEMPOROMANDIBULAR JOINT DISEASES

Technological methods in the diagnosis and treatment of temporomandibular disorders. Laskin DM, et al. **Int J Technol Assess Health Care** 1990;6(4):558-68 (71 ref.)

[Synovial chondromatosis of the temporomandibular joint. Apropos of 3 cases] Chossegros C, et al. **Rev Stomatol Chir Maxillofac** 1990;91(6):417-22 (26 ref.) (Eng. Abstr.) **(Fre)**

EPIDEMIOLOGY

Orthodontic treatment and temporomandibular joint sounds--a longitudinal study. Sadowsky C, et al. **Am J Orthod Dentofacial Orthop** 1991 May;99(5):441-7 (49 ref.)

The prevalence of craniomandibular disorders in completely edentulous denture-wearing subjects. Mercado MD, et al. **J Oral Rehabil** 1991 May;18(3):231-42 (35 ref.)

ETIOLOGY

Acute and chronic postural abnormalities as related to craniofacial pain and temporomandibular disorders. Mannheimer JS, et al. **Dent Clin North Am** 1991 Jan; 35(1):185-208 (103 ref.)

Temporomandibular symptoms and occlusion: a review of the literature & the concept. Lipp MJ. **N Y State Dent J** 1990 Nov;56(9):58-66 (64 ref.)

IMMUNOLOGY

Psoriatic arthritis of the temporomandibular joints with ankylosis. Literature review and case reports. Koorbusch GF, et al. **Oral Surg Oral Med Oral Pathol** 1991 Mar; 71(3):267-74 (48 ref.)

PATHOLOGY

Tissue responses to degenerative changes in the temporomandibular joint: a review. Stegenga B, et al. **J Oral Maxillofac Surg** 1991 Oct;49(10):1079-88 (64 ref.)

[The temporomandibular joint: is it a joint like other joints? Joint pathology] **Orthod Fr** 1990;61 Pt 1:175-92 (0 ref.) **(Fre)**

PHYSIOPATHOLOGY

Temporomandibular joint findings in pediatric populations and young adults: a critical review. Tallents RH, et al. **Angle Orthod** 1991 Spring;61(1):7-16 (63 ref.)

Evaluation of temporomandibular joint sounds. Diagnostic analysis and clinical implications. Stockstill JW, et al. **Dent Clin North Am** 1991 Jan;35(1):75-88 (55 ref.)

Temporomandibular joint osteoarthrosis and internal derangement. Part I: Clinical course and initial treatment. Boering G, et al. **Int Dent J** 1990 Dec;40(6):339-46 (14 ref.)

[Dental occlusion and orthodontics in children] Ackx J, et al. **Rev Belge Med Dent** 1990;45(4):45-52 (28 ref.) (Eng. Abstr.) **(Fre)**

[The anatomical and physiological aspects in the treatment of temporomandibular joint disorders] Graber TM. **Fortschr Kieferorthop** 1991 Jun;52(3):126-32 (24 ref.) (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Diagnostic imaging of the temporomandibular joint. Dixon DC. **Dent Clin North Am** 1991 Jan;35(1):53-74 (60 ref.)

Psoriatic involvement of the temporomandibular joint. Literature review and report of two cases. Miles DA, et al. **Oral Surg Oral Med Oral Pathol** 1991 Jun;71(6):770-4 (9 ref.)

The temporomandibular joint. Pruzansky S. **Otolaryngol Clin North Am** 1973 Jun;6(2):523-48 (26 ref.)

[The temporomandibular joint: is it a joint like other joints? Radiologic examination of the joint] **Orthod Fr** 1990;61 Pt 1:193-207 (0 ref.) **(Fre)**

[Imaging of the temporomandibular joint] **Orthod Fr** 1990; 61 Pt 1:209-64 (0 ref.) **(Fre)**

SURGERY

Temporomandibular joint surgery. Hoffman D, et al. **Dent Clin North Am** 1991 Jan;35(1):89-107 (30 ref.)

The treatment of temporomandibular joint internal derangements using a modified open condylotomy: a preliminary report. Upton LG, et al. **J Oral Maxillofac Surg** 1991 Jun;49(6):578-83 discussion 583-4 (25 ref.)

THERAPY

Long-term orthopedic appliance therapy. Baragona PM, et al. **Dent Clin North Am** 1991 Jan;35(1):109-21 (15 ref.)

Nonsurgical management of disc-interference disorders. Okeson JP. **Dent Clin North Am** 1991 Jan;35(1):29-51 (41 ref.)

Temporomandibular joint osteoarthrosis and internal derangement. Part II: Additional treatment options. Stegenga B, et al. **Int Dent J** 1990 Dec;40(6):347-53 (11 ref.)

Practical management of internal derangements of the temporomandibular joint in partially and completely edentulous patients. Robson FC. **J Prosthet Dent** 1991 Jun; 65(6):828-32 (29 ref.)

TEMPOROMANDIBULAR JOINT SYNDROME

Chronic benign orofacial pain and dysfunction. Roistacher SL. **Int Anesthesiol Clin** 1991 Winter;29(1):69-77 (10 ref.)

Temporomandibular joint syndrome: diagnostician's dilemma--a review. Ficarra BJ, et al. **J Med** 1991; 22(2):97-121 (22 ref.)

Thoracic outlet syndrome and dysfunction of the temporomandibular joint: proved pathology or pseudosyndromes? Nelson DA. **Perspect Biol Med** 1990 Summer;33(4):567-76 (33 ref.)

Are craniomandibular disorders a general health problem? Kirveskari P. **Proc Finn Dent Soc** 1991;87(2):309-13 (27 ref.)

DIAGNOSIS

[Nocturnal bruxism. Contributions to the detection and assessment of involvement in the craniomandibular pain dysfunction syndrome] Ieremia L, et al. **Rev Med Interna Neurol Psihiatr Neurochir Dermatovenerol Neurol Psihiatr Neurochir** 1989 Oct-Dec;34(4):307-16 (86

ref.) (Eng. Abstr.) **(Rum)**

ETIOLOGY

Occlusion as it relates to TMJ. A study of the literature. **Baker RW Sr, et al. N Y State Dent J** 1991 Jan;57(1):36–9 (25 ref.)

Oromandibular disorders and headache. A critical appraisal. Graff-Radford SB. **Neurol Clin** 1990 Nov;8(4):929–45 (63 ref.)

Identifying normal and abnormal development of dental occlusion. Smith RJ. **Pediatr Clin North Am** 1991 Oct; 38(5):1149–71 (126 ref.)

[Occlusion in the etiology of craniomandibular disorders. Current directions] Carossa S, et al. **Minerva Stomatol** 1991 Jan–Feb;40(1–2):23–8 (41 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

Psoriatic arthropathy of the temporomandibular joint. Wilson AW, et al. **Oral Surg Oral Med Oral Pathol** 1990 Nov; 70(5):555–8 (23 ref.)

PSYCHOLOGY

Psychologic considerations in temporomandibular dysfunction. A biopsychosocial view of symptom formation. Grzesiak RC. **Dent Clin North Am** 1991 Jan; 35(1):209–26 (64 ref.)

A biopsychosocial approach to TMJ pain—or looking for keys in the dark. Hampf G. **Proc Finn Dent Soc** 1990; 86(3–4):171–81 (69 ref.)

RADIOGRAPHY

The temporomandibular joint. Pruzansky S. **Otolaryngol Clin North Am** 1973 Jun;6(2):523–48 (26 ref.)

THERAPY

[Therapy of stress headache and migraine by eliminating para-functions of the masticatory system] Schmidt H. **Z Arztl Fortbild (Jena)** 1991 Jan 25;85(1–2):63–4 (0 ref.) **(Ger)**

TENDINITIS

Tendinitis, overuse syndromes, and tendon injuries. Stern PJ. **Hand Clin** 1990 Aug;6(3):467–76 (68 ref.)

ETIOLOGY

Shoulder impingement syndrome. A critical review. Fu FH, et al. **Clin Orthop** 1991 Aug;(269):162–73 (37 ref.)

PATHOLOGY

Peripheral nerve entrapments, repetitive strain disorder, occupation-related syndromes, bursitis, and tendonitis. Nakano KK. **Curr Opin Rheumatol** 1991 Apr;3(2):226–39 (51 ref.)

[A manifestation suggesting juvenile spondylarthropathy: anterior tibial enthesitis. Apropos of 3 cases] Wendling D, et al. **Ann Pediatr (Paris)** 1991 Feb;38(2):103–6 (17 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[Rehabilitation treatment after surgical reconstruction of the Achilles tendon] Swiatłowski T, et al. **Wiad Lek** 1990 Jun 15;43(12):597–602 (14 ref.) (Eng. Abstr.) **(Pol)**

TENDON INJURIES

Tendinitis, overuse syndromes, and tendon injuries. Stern PJ. **Hand Clin** 1990 Aug;6(3):467–76 (68 ref.)

ETIOLOGY

Bilateral simultaneous rupture of the patellar tendon. Case report and review of the literature. Dejong CH, et al. **Arch Orthop Trauma Surg** 1991;110(4):222–6 (42 ref.)

Flexor pollicis longus rupture after fracture of the distal radius. Ashall G. **Injury** 1991 Mar;22(2):153–5 (15 ref.)

PHYSIOPATHOLOGY

Acquired flatfoot secondary to tibialis posterior dysfunction: biomechanical aspects. Mueller TJ. **J Foot Surg** 1991 Jan–Feb;30(1):2–11 (32 ref.)

SURGERY

Lateral ankle instability associated with dislocation of the peroneal tendons treated by the Chrisman–Snook procedure. A case report and literature review. Sobel M, et al. **Am J Sports Med** 1990 Sep–Oct;18(5):539–43 (39 ref.)

Comparison of the mechanical and histologic properties of Achilles tendons in New Zealand white rabbits secondarily repaired with Marlex mesh. Hosey G, et al. **J Foot Surg** 1991 May–Jun;30(3):214–33 (107 ref.)

A complication of the buried suture. Kinninmonth AW. **J Hand Surg [Am]** 1990 Nov;15(6):959–60 (1 ref.)

[Rehabilitation treatment after surgical reconstruction of the Achilles tendon] Swiatłowski T, et al. **Wiad Lek** 1990 Jun 15;43(12):597–602 (14 ref.) (Eng. Abstr.) **(Pol)**

THERAPY

The elbow. Wilkins KE, et al. **Instr Course Lect** 1991;40:1–87 (348 ref.)

TENDON TRANSFER

METHODS

Lateral ankle instability associated with dislocation of the peroneal tendons treated by the Chrisman–Snook procedure. A case report and literature review. Sobel M, et al. **Am J Sports Med** 1990 Sep–Oct;18(5):539–43 (39 ref.)

Surgical treatment of posterior tibial tendon dysfunctions. Quinn MR, et al. **Clin Podiatr Med Surg** 1991 Jul; 8(3):543–54 (20 ref.)

REHABILITATION

[Rehabilitation treatment after surgical reconstruction of the Achilles tendon] Swiatłowski T, et al. **Wiad Lek** 1990 Jun 15;43(12):597–602 (14 ref.) (Eng. Abstr.) **(Pol)**

TENDONS

[Peripheral neuropathy in a sporadic case of cerebrotendinous xanthomatosis] Ben Hamida M, et al. **Rev Neurol (Paris)** 1991;147(5):385–8 (11 ref.) (Eng. Abstr.) **(Fre)**

ABNORMALITIES

Trigger finger secondary to anomalous lumbrical insertion: a case report and review of the literature. Bartell TH, et al. **Plast Reconstr Surg** 1991 Feb;87(2):354–7 (45 ref.)

[Compression of the median nerve in the carpal tunnel due to an intra-canal palmar muscle] Schuhl JF. **Ann Chir Main Memb Super** 1991;10(2):171–3; discussion 174 (7 ref.) (Eng. Abstr.) **(Fre)**

INNERVATION

Presynaptic inhibition of muscle spindle and tendon organ afferents in the mammalian spinal cord. Rudomin P. **Trends Neurosci** 1990 Dec;13(12):499–505 (75 ref.)

PATHOLOGY

Tumors and tumor-like lesions arising in tendons. A clinicopathological study of 75 cases. Józsa L, et al. **Arch Orthop Trauma Surg** 1991;110(2):83–6 (31 ref.)

Anabolic steroid-induced tendon pathology: a review of the literature. Laseter JT, et al. **Med Sci Sports Exerc** 1991 Jan;23(1):1–3 (22 ref.)

[Correlation between epithelioid sarcoma and poorly differentiated fibroblastic synovialosarcoma] Bouziani A, et al. **Arch Anat Cytol Pathol** 1991;39(1–2):34–7 (8 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Surgical treatment of posterior tibial tendon dysfunctions. Quinn MR, et al. **Clin Podiatr Med Surg** 1991 Jul; 8(3):543–54 (20 ref.)

SURGERY

Subluxing peroneal tendons. An anatomic approach. Smith TF, et al. **Clin Podiatr Med Surg** 1991 Jul;8(3):555–77 (13 ref.)

Age of aponeurotic awareness. Anderson RL. **Ophthal Plast Reconstr Surg** 1985;1(1):77–9 (16 ref.)

TENDONS, PARA-ARTICULAR

[Madelung's disease and lesions of the extensor tendons. A case report] Rondier J, et al. **Rev Chir Orthop** 1990; 76(3):204–8 (10 ref.) (Eng. Abstr.) **(Fre)**

[Tenosynovial giant cell tumor in the differential diagnosis of painful heel] Sager M, et al. **Schweiz Rundsch Med Prax** 1990 Oct 2;79(40):1175–9 (28 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Tumors and tumor-like lesions arising in tendons. A clinicopathological study of 75 cases. Józsa L, et al. **Arch Orthop Trauma Surg** 1991;110(2):83–6 (31 ref.)

SURGERY

Tenodesis of the chronically unstable distal ulna. Breen TF, et al. **Hand Clin** 1991 May;7(2):355–63 (26 ref.)

[Surgical therapy and results in rupture of the rotator cuff] Hermann B, et al. **Z Orthop** 1990 Nov–Dec;128(6):648–51 (33 ref.) (Eng. Abstr.) **(Ger)**

[Tensile strength of new and modified flexor tendon sutures] Sántha E, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1991; 34(1):33–41 (18 ref.) (Eng. Abstr.) **(Hun)**

TENEBRIO

GROWTH & DEVELOPMENT

Constant topological organization of the coleopteran metamorphosing nervous system: analysis of persistent elements in the nervous system of Tenebrio molitor. Breidbach O. **J Neurobiol** 1990 Oct;21(7):990–1001 (55 ref.)

TENIPOSIDE

THERAPEUTIC USE

New chemotherapies for ovarian cancer. Systemic and intraperitoneal podophyllotoxins. Muggia FM, et al. **Cancer** 1991 Jan 1;67(1 Suppl):225–30 (36 ref.)

TENNIS

INJURIES

Tennis injuries. Dalziel R, et al. **Aust Fam Physician** 1991 Jul;20(7):931, 934–7, 940–1 (3 ref.)

The senior tennis player. Leach RE, et al. **Clin Sports Med** 1991 Apr;10(2):283–90 (12 ref.)

TENOSYNOVITIS

Stenosing tenosynovitis of the flexor hallucis longus at the ankle joint. Lynch T, et al. **J Foot Surg** 1990 Jul–Aug; 29(4):345–8 (14 ref.)

ETIOLOGY

Trigger finger secondary to anomalous lumbrical insertion: a case report and review of the literature. Bartell TH, et al. **Plast Reconstr Surg** 1991 Feb;87(2):354–7 (45 ref.)

MICROBIOLOGY

Primary meningococcal tenosynovitis. Trimble RB. **Iowa Med** 1990 Oct;80(10):485–6 (10 ref.)

PATHOLOGY

Miscellaneous synovial lesions. Bertoni F, et al. **Curr Opin Rheumatol** 1990 Feb;2(1):120–37 (14 ref.)

ULTRASONOGRAPHY

[Sonography of the wrist and the hand] Milbradt H, et al. **Radiologe** 1990 Aug;30(8):360–5 (11 ref.) (Eng. Abstr.) **(Ger)**

TENS see **TRANSCUTANEOUS ELECTRIC NERVE STIMULATION**

TERATOGENS

see related
ABNORMALITIES, DRUG-INDUCED

Effects of heat and chemical stress on development. Petersen NS. **Adv Genet** 1990;28:275–96 (110 ref.)

Occupational exposure and defects of the central nervous system in offspring: review. Roeleveld N, et al. **Br J Ind Med** 1990 Sep;47(9):580–8 (121 ref.)

In vivo and in vitro structure-dosimetry-activity relationships of substituted phenols in developmental toxicity assays. Kavlock RJ, et al. **Fundam Appl Toxicol** 1991 Feb;16(2):225–9 (10 ref.)

Whole embryo culture and teratogenesis. Steele CE. **Hum Reprod** 1991 Jan;6(1):144–7 (29 ref.)

Developmental toxicity of valproic acid. Cotariu D, et al. **Life Sci** 1991;48(14):1341–50 (99 ref.)

The embryotoxicity of phenytoin: an update on possible mechanisms. Hansen DK. **Proc Soc Exp Biol Med** 1991 Sep;197(4):361–8 (104 ref.)

Effects of parental occupational exposures on spontaneous abortion and congenital malformation. Taskinen HK. **Scand J Work Environ Health** 1990 Oct;16(5):297–314 (149 ref.)

METABOLISM

The metabolism of xenobiotics and its relationship to toxicity/genotoxicity: studies with human lymphocytes. Lundgren B, et al. **Acta Physiol Scand Suppl** 1990;592:49–59 (18 ref.)

PHARMACOKINETICS

Pharmacokinetic considerations in the design and interpretation of developmental toxicity studies. Nau H. **Fundam Appl Toxicol** 1991 Feb;16(2):219–21 (17 ref.)

TOXICITY

Midbrain micromass cultures: a model for studies of teratogenic and sub-teratogenic effects on CNS development. Walum E, et al. **Acta Physiol Scand Suppl** 1990;592:61–72 (34 ref.)

Fetal effects of maternal drug exposure. Farrar HC, et al. **Annu Rev Pharmacol Toxicol** 1991;31:525–47 (118 ref.)

Structure-activity relationships (SAR) and structure-metabolism relationships (SMR) affecting the teratogenicity of carboxylic acids. Di Carlo FJ. **Drug Metab Rev** 1990;22(5):411–49 (83 ref.)

[Progress report. What can one expect from a "functional prenatal toxicology?"] Bleyl DW. **Nahrung** 1990; 34(9):843–55 (63 ref.) (Eng. Abstr.) **(Ger)**

TERATOID TUMOR see **TERATOMA**

TERATOMA

Epipalatus: a rare intraoral teratoma. Sciubba JJ, et al. **Oral Surg Oral Med Oral Pathol** 1991 Apr;71(4):476–81 (41 ref.)

[Adenocarcinoma of the rete testis. Review of the literature apropos of a new case] Hodé E, et al. **Ann Urol (Paris)** 1991;25(1):38–40 (33 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Benign teratoma of the omentum and ovary coexistent with an ovarian neoplasm. Smith R, et al. **Gynecol Oncol** 1990 Nov;39(2):204–7 (5 ref.)

[Mature lumbar multi-tissue dysembryoma of the spinal cord with sacral spina bifida occulta] Borne G, et al. **Neurochirurgie** 1990;36(3):180–4 (17 ref.) (Eng. Abstr.) **(Fre)**

[Immature teratoma of the testis associated with Klinefelter's syndrome: a case report] Tada M, et al. **Hinyokika Kiyo** 1990 Dec;36(12):1471–4 (14 ref.) (Eng. Abstr.) **(Jpn)**

CONGENITAL

Congenital head and neck masses in infants and children. Part II. Guarisco JL. **Ear Nose Throat J** 1991 Feb; 70(2):75–82 (35 ref.)

Death due to high-output cardiac failure in fetal sacrococcygeal teratoma. Bond SJ, et al. **J Pediatr Surg** 1990 Dec;25(12):1287–91 (14 ref.)

Congenital nasopharyngeal teratoma in newborn: case report and review of literature. Jawad AJ, et al. **Z Kinderchir** 1990 Dec;45(6):375–8 (15 ref.)

DIAGNOSIS

Primary embryonal-cell carcinoma of the parietal lobe. Case report. Koeleveld RF, et al. **J Neurosurg** 1991 Sep; 75(3):468–71 (23 ref.)

Intrascrotal adenomatoid tumors. Tammela TL, et al. **J Urol** 1991 Jul;146(1):61–5 (46 ref.)

[Teratoid tumors in children] Kudriavtsev VA, et al. **Vopr Onkol** 1991;37(1):17–22 (54 ref.) **(Rus)**

[Teratocarcinoma of the ethmoid. A clinical case report (published erratum appears in An Otorrinolaringol Ibero Am 1991;18(1):following Table of Contents)] Stuyt MT, et al. **An Otorrinolaringol Ibero Am** 1990;17(6):663–8 (6 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Acute myocardial infarct following chemotherapy for testicular carcinoma: on the coronary toxicity of cytostatic agents] Borek G, et al. **Schweiz Med Wochenschr** 1991 Mar 16;121(11):385–9 (28 ref.) (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Teratocarcinoma stem cells. Damjanov I. **Cancer Surv** 1990; 9(2):303–19 (84 ref.)

Hydatidiform moles and teratomas confirm the human identity of the preimplantation embryo. Suarez A. **J Med Philos** 1990 Dec;15(6):627–35 (15 ref.)

ETIOLOGY

Risk factors for bilateral testicular germ cell tumors. Does heredity play a role? Kratzik C, et al. **Cancer** 1991 Aug 15;68(4):916–21 (62 ref.)

GENETICS

Developmental tumours. Schofield PN. **Br Med Bull** 1991 Jan;47(1):227–43 (88 ref.)

PATHOLOGY

Gliomatosis peritonei with malignant transformation: a case report and review of the literature. Shefren G, et al. **Am J Obstet Gynecol** 1991 Jun;164(6 Pt 1):1617–20; discussion 1620–1 (10 ref.)

Low-grade immature teratomas with peritoneal gliomatosis; a case report. Gratama S, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 May 10; 39(3):235–41 (14 ref.)

Interaction between endometrium epithelial cells (SNG-M) and teratocarcinoma cells (HT-H) differentiated into trophoblast. Fukuda MN. **Hum Cell** 1989 Dec;2(4):345–55 (61 ref.)

Teratocarcinoma stem cells as a model for differentiation in the mouse embryo. Lehtonen E, et al. **Int J Dev Biol** 1989 Mar;33(1):105–15 (86 ref.)

Retroperitoneal teratoma with predominance of nephroblastic elements—a case report. Kim YW, et al. **J Korean Med Sci** 1990 Dec;5(4):237–42 (20 ref.)

Carcinoid tumor occurring in a mature testicular teratoma. Miliauskas JR. **Pathology** 1991 Jan;23(1):72–4 (23 ref.)

Teratoid Wilms' tumor: report of a unilateral case. Vujanić GM. **Pediatr Pathol** 1991 Mar–Apr;11(2):303–9 (17 ref.)

[Primary testicular carcinoid tumor with teratoma: a case report] Nagakawa O, et al. **Hinyokika Kiyo** 1991 Jun; 37(6):641–5 (18 ref.) (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Retroconversion of immature teratoma of the ovary: CT appearances. Moskovic E, et al. **Clin Radiol** 1991 Jun; 43(6):402–8 (19 ref.)

SURGERY

Inadequate scrotal incision in testicular neoplasms: review of literature and report of three cases. Murshidi MS. **Acta Urol Belg** 1990;58(3):163–9 (11 ref.)

Neonatal intracranial teratomas. Hunt SJ, et al. **Surg Neurol** 1990 Nov;34(5):336–42 (30 ref.)

Malignant gastric teratoma in an infant. Balik E, et al. **Z Kinderchir** 1990 Dec;45(6):383–5 (14 ref.)

TERATOMA, CYSTIC see **DERMOID CYST**

TERATOMA, MATURE see **DERMOID CYST**

TERMINAL ADDITION ENZYME see **DNA NUCLEOTIDYLEXOTRANSFERASE**

TERMINAL CARE

see related
HOSPICES
PALLIATIVE TREATMENT

Care of the child dying of cancer: Part I. Foley GV, et al. **CA** 1990 Nov–Dec;40(6):327–54 (102 ref.)

Nurses caring for the terminally ill in the community: a review of the literature. Bergen A. **Int J Nurs Stud** 1991; 28(1):89–101 (46 ref.)

[Palliative treatment of patients in terminal phase. Experience at the Unité de Soins Palliatifs of the Hôpital International de l'Université de Paris] Michard P, et al. **Ann Med Interne (Paris)** 1990;141(4):313–8 (41 ref.) (Eng. Abstr.) **(Fre)**

METHODS

Indirectly intended life-shortening analgesia: clarifying the principles. Barry FR, et al. **Issues Law Med** 1990 Fall; 6(2):117–51 (133 ref.)

Determinants of grief resolution in cancer death. Yancey D, et al. **J Palliat Care** 1990 Winter;6(4):24–31 (33 ref.)

Palliative care in the young. Hill F. **Practitioner** 1990 Mar 22;234(1485):292–6 (1 ref.)

PSYCHOLOGY

Coping with the stress on carers. Taylor J. **Practitioner** 1990 Mar 22;234(1485):300–1 (2 ref.)

[Topics in clinical thanatology. Autopathothanatobiographies, -diaries, -epistulographies in comparison with Angloamerican clinical thanatologic experiences] Jacob H. **Psychother Psychosom Med Psychol** 1990 Dec; 40(12):449–65 (269 ref.) (Eng. Abstr.) **(Ger)**

["When the hour strikes"—thoughts on dying in the aged] Kuhlmey J. **Z Arztl Fortbild (Jena)** 1990;84(13):667–70 (35 ref.) **(Ger)**

STANDARDS

The terminal quality of life and passive or active euthanasia. Daikos GK. **Qual Assur Health Care** 1990;2(3–4):375–86 (23 ref.)

TERMINAL DEOXYRIBONUCLEOTIDYLTRANSFERASE see **DNA NUCLEOTIDYLEXOTRANSFERASE**

TERMINAL REPEAT see **REPETITIVE SEQUENCES, NUCLEIC ACID**

TERMINALS, COMPUTER see **COMPUTER TERMINALS**

TERMINOLOGY see **NOMENCLATURE**

TERPENE PHOSPHATES see **POLYISOPRENYL PHOSPHATES**

TERPENES

ADMINISTRATION & DOSAGE

[Carbocysteine-sobrerol combination and exacerbation of chronic bronchitis] Pasturenzi L, et al. **Arch Monaldi Mal Torace** 1988 Nov–Dec;43(6):487–505 (45 ref.) (Eng. Abstr.) **(Ita)**

CHEMISTRY

Monoterpenoids. Grayson DH. **Nat Prod Rep** 1990 Aug; 7(4):327–47 (314 ref.)

Terpenoid glycosides. Pfander H, et al. **Nat Prod Rep** 1991 Feb;8(1):69–95 (153 ref.)

ISOLATION & PURIFICATION

Subcellular distribution of enzymes of mono- and sesquiterpene biosynthesis in plant tissues. Pérez LM. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):51–8 (73 ref.)

THERAPEUTIC USE

Chemoprevention and chemotherapy of mammary tumors by monoterpenoids. Gould MN, et al. **Prog Clin Biol Res** 1990;347:255–68 (12 ref.)

TOXICITY

The human relevance of the renal tumor-inducing potential of d-limonene in male rats: implications for risk assessment. Flamm WG, et al. **Regul Toxicol Pharmacol** 1991 Feb; 13(1):70–86 (89 ref.)

TERRORISM see **VIOLENCE**

TEST-TUBE FERTILIZATION see **FERTILIZATION IN VITRO**

TESTICULAR DISEASES

CHEMICALLY INDUCED

Gonadal toxicity following cancer therapy in adults: significance, diagnosis, prevention and treatment. Kreuser ED, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):169–75 (28 ref.)

COMPLICATIONS

Sarcoidosis and testicular germ cell tumor. Case report. Droz JP, et al. **Scand J Urol Nephrol** 1990;24(3):171–3 (13 ref.)

[Supernumerary testis and homolateral varicocele. Apropos of a case, study of spermatogenesis and review of the literature] Mianne D, et al. **J Urol (Paris)** 1990;96(3):177–80 (8 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

[Experimental surgical model of hydrocele for the use of sclerotherapy] Castillo Jimeno JM, et al. **Arch Esp Urol** 1990 Oct;43(8):819–28 (27 ref.) (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Immunocompetence of inflammatory cells in rabbit testes infected with Treponema pallidum. Wicher V, et al. **J Reprod Immunol** 1990 Aug;18(1):105–15 (49 ref.)

SURGERY

[Varicocele in childhood and adolescence. Evaluation apropos of a series of 58 cases] Peyret C, et al. **Ann Urol (Paris)** 1990;24(4):301–5 (14 ref.) (Eng. Abstr.) **(Fre)**

TESTICULAR FEMINIZATION

GENETICS

Molecular basis of androgen insensitivity. French FS, et al. **Recent Prog Horm Res** 1990;46:1–38; discussion 38–42 (162 ref.)

TESTICULAR HORMONES

PHYSIOLOGY

[The interaction of testicular protein and steroid hormones in regulating the function of the germ cells] Gladkova AI, et al. **Usp Fiziol Nauk** 1991 Apr–Jun;22(2):103–23 (79 ref.) **(Rus)**

TESTICULAR INTERSTITIAL CELLS see **LEYDIG CELLS**

TESTICULAR NEOPLASMS

Testicular relapse in children with acute nonlymphoblastic leukemia. Furman WL, et al. **Cancer** 1990 Nov 15; 66(10):2095–8 (32 ref.)

Testicular cancer. Richie JP. **Compr Ther** 1990 Nov; 16(11):11–4 (9 ref.)

[Adenocarcinoma of the rete testis. Review of the literature apropos of a new case] Hodé E, et al. **Ann Urol (Paris)** 1991;25(1):38–40 (33 ref.) (Eng. Abstr.) **(Fre)**

[Leydigoma of the testis. Review of reported cases and presentation of 2 new cases] Casetta G, et al. **Minerva Urol Nefrol** 1990 Oct–Dec;42(4):227–9 (8 ref.) (Eng. Abstr.) **(Ita)**

[Diagnostic and therapeutic management of testicular tumors. Review of 15 years] Gil Sanz MJ, et al. **Arch Esp Urol** 1991 May;44(4):417–23 (37 ref.) (Eng. Abstr.) **(Spa)**

[Combination of malignant tumors of the genitourinary system in the same patient: testicular seminoma, renal adenocarcinoma and adenocarcinoma of the prostate] Lioy Lupis MT, et al. **Arch Esp Urol** 1991 Jan–Feb;44(1):73–5 (12 ref.) (Eng. Abstr.) **(Spa)**

BLOOD

Testicular tumors. Lightner DJ, et al. **Immunol Ser** 1990; 53:397–401 (20 ref.)

Consensus statement on circulating tumour markers and staging patients with germ cell tumours. Rustin GJ, et al. **Prog Clin Biol Res** 1990;357:277–84 (21 ref.)

CLASSIFICATION

Consensus on pathological classifications of testicular tumours. Mostofi FK, et al. **Prog Clin Biol Res** 1990; 357:267–76 (13 ref.)

COMPLICATIONS

Sarcoidosis, "Sarcoid-like lymphadenopathy," and testicular germ cell tumors. Toner GC, et al. **Am J Med** 1990 Nov; 89(5):651–6 (37 ref.)

Sarcoidosis and testicular germ cell tumor. Case report. Droz JP, et al. **Scand J Urol Nephrol** 1990;24(3):171–3 (13 ref.)

Germ cell tumor of testis in a patient with von Hippel–Lindau disease. Cendron M, et al. **Urology** 1991 Jan;37(1):69–71 (12 ref.)

Association of germ cell tumors and Hodgkin's disease. Dexeus FH, et al. **Urology** 1991 Feb;37(2):129–34 (15 ref.)

[Arteriographic diagnosis of a tumor arising from an undescended testis] Kónya A, et al. **Orv Hetil** 1991 Feb 17;132(7):357–9 (16 ref.) (Eng. Abstr.) **(Hun)**

[Immature teratoma of the testis associated with Klinefelter's syndrome: a case report] Tada M, et al. **Hinyokika Kiyo** 1990 Dec;36(12):1471–4 (14 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Towards the earlier diagnosis of testicular cancer. Raghavan D. **Aust Fam Physician** 1990 Jun;19(6):865–75 (20 ref.)

Polyarteritis nodosa masquerading as a primary testicular neoplasm: a case report and review of the literature. Huisman TK, et al. **J Urol** 1990 Nov;144(5):1236–8 (13 ref.)

Intrascrotal adenomatoid tumors. Tammela TL, et al. **J Urol** 1991 Jul;146(1):61–5 (46 ref.)

Testicular cancer: the role of the primary care physician in prevention and early detection. Iammarino NK, et al. **Tex Med** 1991 May;87(5):66–71 (33 ref.)

[Intrascrotal nongerminal space-occupying lesions] Vahlensieck W Jr. **Fortschr Med** 1990 Oct 20;108(30):572–6 (20 ref.) (Eng. Abstr.) **(Ger)**

[Leydig-cell tumors of the testicle] Guerriero O, et al. **Ann Ital Chir** 1990 Nov–Dec;61(6):651–5; discussion 655–6 (33 ref.) (Eng. Abstr.) **(Ita)**

[Tumors of the testicle] Lo Forti B, et al. **G Chir** 1990 Apr; 11(4):247–9 (13 ref.) (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Etoposide therapy for testicular cancer. Loehrer PJ Sr. **Cancer** 1991 Jan 1;67(1 Suppl):220–4 (21 ref.)

Testis cancer. Aggressive therapy for advanced disease. Kaye SB. **Prog Clin Biol Res** 1990;357:229–34 (17 ref.)

Computed tomography of pulmonary bleomycin toxicity. Mills P, et al. **Semin Ultrasound CT MR** 1990 Oct; 11(5):417–22 (21 ref.)

[Acute myocardial infarct following chemotherapy for testicular carcinoma: on the coronary toxicity of cytostatic agents] Borek G, et al. **Schweiz Med Wochenschr** 1991 Mar 16;121(11):385–9 (28 ref.) (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Teratocarcinoma stem cells. Damjanov I. **Cancer Surv** 1990; 9(2):303–19 (84 ref.)

EPIDEMIOLOGY

Aetiology and epidemiology of testicular cancer: report of consensus group. Forman D, et al. **Prog Clin Biol Res** 1990; 357:245–53 (41 ref.)

ETIOLOGY

Gonadal malignancy in individuals with sex chromosome anomalies. Müller J, et al. **Birth Defects** 1990;26(4):247–55 (25 ref.)

Urological manifestations of HIV-related disease. A case of AIDS-associated testicular seminoma, Kaposi's sarcoma and possible intracranial lymphoma. Green ST, et al. **Br J Urol** 1991 Feb;67(2):188–90 (25 ref.)

Risk factors for bilateral testicular germ cell tumors. Does heredity play a role? Kratzik C, et al. **Cancer** 1991 Aug 15;68(4):916–21 (62 ref.)

Atrophy, hormones, genes and viruses in aetiology germ cell tumours. Oliver RT. **Cancer Surv** 1990;9(2):263–86 (89 ref.)

Testicular relapse of acute lymphoblastic leukemia (ALL). Ritzén EM. **J Reprod Immunol** 1990 Aug;18(1):117–21 (12 ref.)

Aetiology and epidemiology of testicular cancer: report of consensus group. Forman D, et al. **Prog Clin Biol Res** 1990; 357:245–53 (41 ref.)

[Undescended testes. Current state of knowledge] Desgrandchamps F. **J Urol (Paris)** 1990;96(8):407–14 (58 ref.) (Eng. Abstr.) **(Fre)**

[Risk factors of testicular neoplasms] Jeziorski KG. **Pol Tyg Lek** 1990 Aug 6–13;45(32–33):677–9 (20 ref.) **(Pol)**

GENETICS

Clinical and genetic features of human germ cell cancer. Dmitrovsky E, et al. **Cancer Surv** 1990;9(2):369–86 (87 ref.)

Cytogenetics, ploidy and differentiation of human testicular, ovarian and extragonadal germ cell tumours. Oosterhuis JW, et al. **Cancer Surv** 1990;9(2):320–32 (67 ref.)

PATHOLOGY

Metastasizing Sertoli cell tumours of the human testis--a report of two cases and a review of the literature [letter] Lindegaard Madsen E, et al. **Acta Oncol** 1990;29(7):946–9 (25 ref.)

Testicular germ cell tumors. An update on clinical pathologic correlation. Abu-Jawdeh GM, et al. **Acta Pathol Jpn** 1991 Feb;41(2):83–93 (107 ref.)

Testicular plasmacytoma. A case report with immunohistochemical studies and literature review. Oppenheim PI, et al. **Arch Pathol Lab Med** 1991 Jun; 115(6):629–32 (27 ref.)

Clinical and biological significance of carcinoma in situ of the testis. Jørgensen N, et al. **Cancer Surv** 1990;9(2):287–302 (56 ref.)

Clues from natural history and results of treatment supporting the monoclonal origin of germ cell tumours. Oliver RT. **Cancer Surv** 1990;9(2):333–68 (107 ref.)

Choriocarcinoma of the testis metastatic to the skin. Requena L, et al. **J Dermatol Surg Oncol** 1991 May;17(5):466–70 (17 ref.)

Testicular germ cell tumors. Clinically relevant pathologic findings. Ro JY, et al. **Pathol Annu** 1991;26 Pt 2:59–87 (86 ref.)

Malignant mesothelioma of the tunica vaginalis. Kamiya M, et al. **Pathol Res Pract** 1990 Oct;186(5):680–4; discussion 685–6 (32 ref.)

Carcinoid tumor occurring in a mature testicular teratoma. Miliauskas JR. **Pathology** 1991 Jan;23(1):72–4 (23 ref.)

Consensus on pathological classifications of testicular tumours. Mostofi FK, et al. **Prog Clin Biol Res** 1990; 357:267–76 (13 ref.)

Consensus statement on circulating tumour markers and staging patients with germ cell tumours. Rustin GJ, et al. **Prog Clin Biol Res** 1990;357:277–84 (21 ref.)

Non-germ cell tumors of testis. Dilworth JP, et al. **Urology** 1991 May;37(5):399–417 (145 ref.)

[Primary testicular carcinoid tumor with teratoma: a case report] Nagakawa O, et al. **Hinyokika Kiyo** 1991 Jun; 37(6):641–5 (18 ref.) (Eng. Abstr.) **(Jpn)**

[Primary carcinoid tumor of the testis with metastasis to the upper vertebrae. Report of a case] Shimura S, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Jul;82(7):1157–60 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Testicular germ cell tumor--pathogenetic aspects] Erichsen A. **Tidsskr Nor Laegeforen** 1991 Feb 20;111(5):585–6 (26 ref.) (Eng. Abstr.) **(Nor)**

PHYSIOPATHOLOGY

Comparative biology of mouse and human embryonal carcinoma. Pera MF, et al. **Cancer Surv** 1990;9(2):243–62 (76 ref.)

RADIOGRAPHY

Radiologic staging of chest in testicular seminoma. Steinfeld AD, et al. **Urology** 1990 Nov;36(5):428–30 (14 ref.)

RADIOTHERAPY

Radiation therapy of early (stages I and II-A) seminoma of testis after initial orchiectomy. Sinha PP, et al. **Urology** 1990 Nov;36(5):390–4 (20 ref.)

SURGERY

Inadequate scrotal incision in testicular neoplasms: review of literature and report of three cases. Murshidi MS. **Acta Urol Belg** 1990;58(3):163–9 (11 ref.)

Modified retroperitoneal lymphadenectomy for patients with clinical stage I testicular cancer. Richie JP. **Cancer Treat Res** 1989;46:35–54 (52 ref.)

Surgery in advanced disease for testicular cancer. Donohue JP, et al. **Prog Clin Biol Res** 1990;357:305–12 (27 ref.)

THERAPY

Testicular tumours. Management & treatment. Abrahámová J. **Acta Univ Carol [Med Monogr] (Praha)** 1990;138:1–185 (437 ref.)

Pediatric genitourinary tumors. Issa MM, et al. **Curr Opin Oncol** 1991 Jun;3(3):545–52 (66 ref.)

Testicular cancer. Oliver RT. **Curr Opin Oncol** 1990 Jun; 2(3):529–32 (7 ref.)

Testicular cancer. Oliver RT. **Curr Opin Oncol** 1991 Jun; 3(3):559–64 (40 ref.)

Current controversies in the treatment of testicular cancer. Horwich A. **Eur J Cancer** 1991;27(3):322–6 (51 ref.)

Malignant Leydig cell tumour of the testis: a case report and review of the literature. Unlüer E, et al. **Int Urol Nephrol** 1990;22(5):455–60 (9 ref.)

Long-term side effects after treatment of testicular cancer. Fossá SD, et al. **Prog Clin Biol Res** 1990;357:321–30 (53 ref.)

Basic principles of clinical trials as applied to testicular cancer. Freedman LS, et al. **Prog Clin Biol Res** 1990; 357:255–66 (32 ref.)

Testis cancer: the way forward. Raghavan D. **Prog Clin Biol Res** 1990;357:235–43 (52 ref.)

Management of patients with non-seminomatous germ cell tumours stage I. Rørth M, et al. **Prog Clin Biol Res** 1990; 357:295–303 (26 ref.)

Consensus statement on the investigation and management of testicular seminoma 1989. Thomas G, et al. **Prog Clin Biol Res** 1990;357:285–94 (19 ref.)

Progress and controversies in the management of seminoma. Thomas G. **Prog Clin Biol Res** 1990;357:217–24 (20 ref.)

Evolution of the management of stage I nonseminomatous germ-cell tumors of the testis. Sogani PC. **Urol Clin North Am** 1991 Aug;18(3):561–73 (62 ref.)

[Two cases of spermatocytic seminoma] Hori T, et al. **Hinyokika Kiyo** 1991 Feb;37(2):187–90 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Germinal tumors of the testis. A caseload and review of the literature] Armora Mani J, et al. **Actas Urol Esp** 1990 Sep–Oct;14(5):319–24 (20 ref.) (Eng. Abstr.) **(Spa)**

ULTRASONOGRAPHY

Gonadoblastoma in an anatomically normal man: a case report and literature review. Chapman WH, et al. **J Urol** 1990 Dec;144(6):1472–4 (11 ref.)

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the testis. Mostofi FK, et al. **IARC Sci Publ** 1990;(99):399–419 (92 ref.)

TESTICULAR TORSION see **SPERMATIC CORD TORSION**

TESTING, BIOCOMPATIBLE MATERIALS see **MATERIALS TESTING**

TESTIS

see related
ORCHIECTOMY

ABNORMALITIES

The Klinefelter syndrome of testicular dysgenesis. Schwartz ID, et al. **Endocrinol Metab Clin North Am** 1991 Mar; 20(1):153–63 (57 ref.)

Polyorchidism: case report and review of literature. Thum G. **J Urol** 1991 Feb;145(2):370–2 (63 ref.)

Penopubic and penile testicular ectopia. Redman JF, et al. **South Med J** 1991 Apr;84(4):535–6 (16 ref.)

[The role of therapeutic laparoscopy in the surgical treatment of intra-abdominal testes in children] Andze GO, et al. **Chir Pediatr** 1990;31(6):299–302 (28 ref.) (Eng. Abstr.) **(Fre)**

[Supernumerary testis and homolateral varicocele. Apropos of a case, study of spermatogenesis and review of the literature] Mianne D, et al. **J Urol (Paris)** 1990;96(3):177–80 (8 ref.) (Eng. Abstr.) **(Fre)**

[Management of the impalpable testis; the value of laparoscopy for subsequent treatment] Senoh K, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Jul;82(7):1125–32 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Risk factors of testicular neoplasms] Jeziorski KG. **Pol Tyg Lek** 1990 Aug 6–13;45(32–33):677–9 (20 ref.) **(Pol)**

[Polyorchism: a case report] Lanza P, et al. **Arch Esp Urol** 1991 Apr;44(3):291–3 (9 ref.) (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Histology of the fertile and infertile testis. Wheeler JE. **Monogr Pathol** 1991;(33):56–103 (220 ref.)

CYTOLOGY

Cell–cell interactions in the testis. Skinner MK. **Endocr Rev** 1991 Feb;12(1):45–77 (676 ref.)

DRUG EFFECTS

Gonadal toxicity following cancer therapy in adults: significance, diagnosis, prevention and treatment. Kreuser ED, et al. **Cancer Treat Rev** 1990 Sep;17(2–3):169–75 (28 ref.)

EMBRYOLOGY

Development of the mammalian gonad: the fate of the supporting cell lineage. McLaren A. **Bioessays** 1991 Apr; 13(4):151–6 (34 ref.)

Testicular differentiation--a developmental cascade. Morphogenetic effects of H-Y antigen and testosterone in the male mammalian gonad. Müller U, et al. **Differentiation** 1983;23 Suppl:S99–103 (60 ref.)

Development and regulation of growth and differentiated function in human and subhuman primate fetal gonads [published erratum appears in Endocr Rev 1991 Feb;12(1):90] Rabinovici J, et al. **Endocr Rev** 1990 Nov; 11(4):532–57 (276 ref.)

Structural proteins in sexual differentiation of embryonic gonads. Fröjdman K, et al. **Int J Dev Biol** 1989 Mar; 33(1):99–103 (26 ref.)

Testicular descent: new insights into its hormonal control. Hutson JM, et al. **Oxf Rev Reprod Biol** 1990;12:1–56 (227 ref.)

ENZYMOLOGY

Aromatase activity in fetal gonads of mammals. Weniger JP. **J Dev Physiol** 1990 Dec;14(6):303–6 (53 ref.)

GROWTH & DEVELOPMENT

Endocrine function and regulation of the fetal and neonatal testis. Huhtaniemi I. **Int J Dev Biol** 1989 Mar;33(1):117–23 (38 ref.)

IMMUNOLOGY

Recent evidence for immune privilege in the testis. Maddocks S, et al. **J Reprod Immunol** 1990 Aug;18(1):9–18 (47 ref.)
Testicular immunoregulatory factors. Pöllänen P, et al. **J Reprod Immunol** 1990 Aug;18(1):51–76 (161 ref.)
Activation of the immune system in the testis. Pöllänen P, et al. **J Reprod Immunol** 1990 Aug;18(1):77–87 (85 ref.)
Testis physiology relevant to immunoregulation. Setchell BP, et al. **J Reprod Immunol** 1990 Aug;18(1):19–32 (103 ref.)
Role of testicular autoantigens and influence of lymphokines in testicular autoimmune disease. Yule TD, et al. **J Reprod Immunol** 1990 Aug;18(1):89–103 (35 ref.)

INJURIES

Gracilis myocutaneous flap for the coverage of an extensive scrotoperineal defect and protection of the ruptured urethra and testes. Lee YT, et al. **Yonsei Med J** 1990 Jun; 31(2):187–91 (19 ref.)

METABOLISM

Effects of temperature on the biochemistry of the testis. Steinberger A. **Adv Exp Med Biol** 1991;286:33–47 (69 ref.)
Intratesticular control of steroidogenesis. Sharpe RM. **Clin Endocrinol (Oxf)** 1990 Dec;33(6):787–807 (114 ref.)
Molecular biology of the male endocrine system. Schweikert HU. **Recent Results Cancer Res** 1990;118:145–52 (24 ref.)

PATHOLOGY

Histology of the fertile and infertile testis. Wheeler JE. **Monogr Pathol** 1991;(33):56–103 (220 ref.)
[The testicular biopsy—pro and contra] Kumanov F. **Vutr Boles** 1990;29(2):23–6 (9 ref.) **(Bul)**

PHYSIOLOGY

Effects of elevated temperature on the epididymis and testis: experimental studies. Bedford JM. **Adv Exp Med Biol** 1991; 286:19–32 (37 ref.)
Is testicular function in immature rats increased rather than decreased by a moderate increase in temperature? Bergh AR. **Adv Exp Med Biol** 1991;286:179–82 (19 ref.)
The multi-level compartmentation of the simulation models of the counter-current heat exchange (CCHE) mechanism of the testis. Tritto G. **Adv Exp Med Biol** 1991;286:137–51 (16 ref.)
Thermoregulation of the scrotum and testis: studies in animals and significance for man. Waites GM. **Adv Exp Med Biol** 1991;286:9–17 (19 ref.)
Testicular function of sexually immature rats chronically treated with melatonin. Olivares AN, et al. **Arch Biol Med Exp (Santiago)** 1989 Dec;22(4):387–93 (22 ref.)
Endocrinology of male fertility and infertility. Schlaff WD, et al. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):412–7 (24 ref.)
Recent developments in the endocrine regulation of the male gonad. Negro-Vilar A. **Ginecol Obstet Mex** 1990 Apr–May;58 Suppl 1:14–7 (37 ref.)
Local control mechanisms in the testis. Tähkä KM. **Int J Dev Biol** 1989 Mar;33(1):141–8 (104 ref.)
Regulation of the testis. Maddocks S, et al. **J Reprod Immunol** 1990 Aug;18(1):33–50 (133 ref.)
[The interaction of testicular protein and steroid hormones in regulating the function of the germ cells] Gladkova AI, et al. **Usp Fiziol Nauk** 1991 Apr–Jun;22(2):103–23 (79 ref.) **(Rus)**

PHYSIOPATHOLOGY

The pathogenesis of epididymo-testicular dysfunction in varicocele: factors other than temperature. Comhaire F. **Adv Exp Med Biol** 1991;286:281–7 (38 ref.)
Testicular hyperthermia: physiopathology, diagnostic and therapeutical concepts. Mirone V, et al. **Adv Exp Med Biol** 1991;286:217–20 (18 ref.)
The physiology of testicular thermoregulation in the light of new anatomical and pathological aspects. Shafik A. **Adv Exp Med Biol** 1991;286:153–72 (22 ref.)
Hypothesis to explain subfertile semen. Zorgniotti AW. **Adv Exp Med Biol** 1991;286:221–3 (5 ref.)
Primary and secondary testicular insufficiency. Lee PA, et al. **Pediatr Clin North Am** 1990 Dec;37(6):1359–87 (60 ref.)
Stress and the endocrine hypothalamus–pituitary–testis system: a review. Knol BW. **Vet Q** 1991 Apr;13(2):104–14 (92 ref.)

RADIOGRAPHY

Diagnostic imaging of the male canine reproductive organs. Methods and limitations. Johnston GR, et al. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):553–89 (79 ref.)

SECRETION

The rat testis—a source of hypothalamic neuropeptide-like factor. Damian E. **Endocrinologie** 1990 Jul–Dec; 28(3–4):207–9 (0 ref.)

TESTIS, UNDESCENDED see **CRYPTORCHISM**

TESTOSTERONE

BIOSYNTHESIS

Testicular function of sexually immature rats chronically treated with melatonin. Olivares AN, et al. **Arch Biol Med Exp (Santiago)** 1989 Dec;22(4):387–93 (22 ref.)
Intratesticular control of steroidogenesis. Sharpe RM. **Clin Endocrinol (Oxf)** 1990 Dec;33(6):787–807 (114 ref.)

BLOOD

An examination of research design effects on the association of testosterone and male aging: results of a meta-analysis. Gray A, et al. **J Clin Epidemiol** 1991;44(7):671–84 (99 ref.)
The prevention of LHRH induced disease flares in patients with metastatic carcinoma of the prostate. Boccon-Gibod L. **Prog Clin Biol Res** 1990;359:125–9; discussion 141–53 (14 ref.)
Psychological and behavioural effects of endogenous testosterone levels and anabolic-androgenic steroids among males. A review. Bahrke MS, et al. **Sports Med** 1990 Nov; 10(5):303–37 (278 ref.)

METABOLISM

Effect of cis-platinum on heme, drug, and steroid metabolism pathways: possible involvement in nephrotoxicity and infertility. Maines MD. **Crit Rev Toxicol** 1990;21(1):1–20 (136 ref.)

PHYSIOLOGY

Molecular action of erythropoietin on RNA synthesis: 30 years of study. Perretta M. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):203–17 (79 ref.)
The influence of testosterone on human aggression. Archer J. **Br J Psychol** 1991 Feb;82 (Pt 1):1–28 (150 ref.)
Testicular differentiation--a developmental cascade. Morphogenetic effects of H-Y antigen and testosterone in the male mammalian gonad. Müller U, et al. **Differentiation** 1983;23 Suppl:S99–103 (60 ref.)
Clinical review 24: Androgens in the aging male. Vermeulen A. **J Clin Endocrinol Metab** 1991 Aug;73(2):221–4 (7 ref.)
Androgens: endocrine physiology and pharmacology. Winters SJ. **NIDA Res Monogr** 1990;102:113–30 (46 ref.)

SECRETION

Embryonic sex hormones in birds. Weniger JP. **Int J Dev Biol** 1991 Mar;35(1):1–7 (101 ref.)

THERAPEUTIC USE

Androgen therapy in Klinefelter syndrome during adolescence. Winter JS. **Birth Defects** 1990;26(4):235–45 (24 ref.)

TESTOSTERONE 5-ALPHA-REDUCTASE

ANTAGONISTS & INHIBITORS

The clinical development of a 5 alpha-reductase inhibitor, finasteride. Stoner E. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):375–8 (12 ref.)
Role of 5 alpha-reductase inhibitors in the treatment of advanced prostatic carcinoma. Gormley GJ. **Urol Clin North Am** 1991 Feb;18(1):93–8 (30 ref.)

TESTOSTERONE BINDING GLOBULIN see **SEX HORMONE-BINDING GLOBULIN**

TESTOSTERONE DELTA-4-5-ALPHA-REDUCTASE see **TESTOSTERONE 5-ALPHA-REDUCTASE**

TESTOSTERONE ESTRADIOL BINDING GLOBULIN see **SEX HORMONE-BINDING GLOBULIN**

TESTOSTERONE PROPIONATE see **TESTOSTERONE**

TETANUS

see related
TRISMUS

Tetanus: pathophysiology, management, and prophylaxis. Bleck TP. **Dis Mon** 1991 Sep;37(9):545–603 (193 ref.)

IMMUNOLOGY

[IgG subclass antibodies in children of Vallidolid. Low materno-fetal protection] Gutiérrez Diéz FJ, et al. **An Esp Pediatr** 1991 Jan;34(1):19–24 (57 ref.) (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

The prevention of tetanus in the elderly. Richardson JP, et al. **Arch Intern Med** 1991 Sep;151(9):1712–7 (77 ref.)
Vaccinations in the health strategies of developing countries. Henderson RH. **Scand J Infect Dis Suppl** 1990;76:7–14 (3 ref.)

TETANUS ANTITOXIN

HISTORY

A centennial review; the 1890 tetanus antitoxin paper of von Behring and Kitasato and the related developments. Kantha SS. **Kelo J Med** 1991 Mar;40(1):35–9 (34 ref.)

TETANUS TOXIN

CHEMISTRY

Chains and fragments of tetanus toxin, and their contribution to toxicity. Ahnert-Hilger G, et al. **J Physiol (Paris)** 1990; 84(3):229–36 (24 ref.)

TETANUS TOXOID

The prevention of tetanus in the elderly. Richardson JP, et al. **Arch Intern Med** 1991 Sep;151(9):1712–7 (77 ref.)

IMMUNOLOGY

[IgG subclass antibodies in children of Vallidolid. Low materno-fetal protection] Gutiérrez Diéz FJ, et al. **An Esp Pediatr** 1991 Jan;34(1):19–24 (57 ref.) (Eng. Abstr.) **(Spa)**

TETANUS VACCINE see **TETANUS TOXOID**

TETHERED CORD SYNDROME see **SPINA BIFIDA OCCULTA**

TETRACEMATE see **EDTA**

TETRACHLORODIBENZODIOXIN

ADVERSE EFFECTS

Long-term carcinogenesis studies on 2,3,7,8-tetrachlorodibenzo-p-dioxin and hexachlorodibenzo-p-dioxins. Huff JE, et al. **Cell Biol Toxicol** 1991 Jan;7(1):67–94 (81 ref.)

ANALOGS & DERIVATIVES

Long-term carcinogenesis studies on 2,3,7,8-tetrachlorodibenzo-p-dioxin and hexachlorodibenzo-p-dioxins. Huff JE, et al. **Cell Biol Toxicol** 1991 Jan;7(1):67–94 (81 ref.)
Determination of dioxins and furans in foods and biological tissues: review and update. Firestone D. **J Assoc Off Anal Chem** 1991 Mar–Apr;74(2):375–84 (109 ref.)
Some laboratory experimental designs for obtaining dynamic property data on dioxins. Altwicker ER. **Sci Total Environ** 1991 May 1;104(1–2):47–72 (57 ref.)
Atmospheric lifetimes of dibenzo-p-dioxins and dibenzofurans. Atkinson R. **Sci Total Environ** 1991 May 1;104(1–2):17–33 (71 ref.)

PHARMACOLOGY

2,3,7,8-Tetrachlorodibenzo-p-dioxin induces cytochrome P450IA1 enzyme activity by activating transcription of the corresponding gene. Lusska AE, et al. **Adv Enzyme Regul** 1991;31:307–17 (48 ref.)
2,3,7,8-tetrachlorodibenzo-p-dioxin-induced changes in immunocompetence: possible mechanisms. Holsapple MP, et al. **Annu Rev Pharmacol Toxicol** 1991;31:73–100 (109 ref.)

TOXICITY

The Ah receptor and the mechanism of dioxin toxicity. Landers JP, et al. **Biochem J** 1991 Jun 1;276 (Pt 2):273–87 (239 ref.)
Oxidative stress induced by 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). Stohs SJ. **Free Radic Biol Med** 1990;9(1):79–90 (130 ref.)
Use of epidemiology data to assess the cancer risk of 2,3,7,8-tetrachlorodibenzo-p-dioxin. Tollefson L. **Regul Toxicol Pharmacol** 1991 Apr;13(2):150–69 (51 ref.)
Human exposure to dioxin. Travis CC, et al. **Sci Total Environ** 1991 May 1;104(1–2):97–127 (113 ref.)
A critical review of the developmental toxicity and teratogenicity of 2,3,7,8-tetrachlorodibenzo-p-dioxin: recent advances toward understanding the mechanism. Couture LA, et al. **Teratology** 1990 Dec;42(6):619–27 (72 ref.)

TETRACYCLINE

THERAPEUTIC USE

Tetracyclines in urology: current concepts [see comments] Cunha BA, et al. **Urology** 1990 Dec;36(6):548–56 (30 ref.) Comment in: Urology 1991 Apr;37(4):395.
[Anticollagenolytic effect of tetracycline and its therapeutic use] Grabowska-Bochenek R, et al. **Przegl Lek** 1990; 47(3):353–4 (0 ref.) **(Pol)**

TETRACYCLINES

ADMINISTRATION & DOSAGE

[Drugs for antibiotic- and chemotherapy of Q fever] Maksimovich MB. **Antibiot Khimioter** 1991 Feb;36(2):41-3 (61 ref.) **(Rus)**

ADVERSE EFFECTS

[Hepatotoxicity of antimicrobial agents. I: Antibacterial antibiotics] Horsmans Y, et al. **Gastroenterol Clin Biol** 1990; 14(12):911-8 (92 ref.) **(Fre)**

[Comparison of the adverse effect profile of different substances such as penicillins, tetracyclines, sulfonamides and quinolones] Keller H. **Infection** 1991;19 Suppl 1:S19-24 (17 ref.) (Eng. Abstr.) **(Ger)**

PHARMACOLOGY

Tetracyclines inhibit connective tissue breakdown: new therapeutic implications for an old family of drugs. Golub LM, et al. **Crit Rev Oral Biol Med** 1991;2(3):297-321 (136 ref.)

THERAPEUTIC USE

[Reliability of oral contraceptives during long-term use of tetracycline for the treatment of acne] van den Brekel AJ, et al. **Ned Tijdschr Geneeskd** 1991 Apr 27;135(17):749-51 (21 ref.) **(Dut)**

TETRADECANOATES see **MYRISTATES**

TETRADECANOIC ACIDS see **MYRISTIC ACIDS**

TETRADECANOYLPHORBOL ACETATE

METABOLISM

Protein kinase C activation by phorbol esters: do cysteine-rich regions and pseudosubstrate motifs play a role? Gschwendt M, et al. **Trends Biochem Sci** 1991 May; 16(5):167-9 (17 ref.)

PHARMACOLOGY

Arachidonic acid as a mediator of some of the actions of phorbolmyristate acetate, a tumor promoter and inducer of differentiation. Das UN.
Prostaglandins Leukot Essent Fatty Acids 1991 Apr; 42(4):241-4 (35 ref.)

TOXICITY

Inhibitory effect of curcumin and some related dietary compounds on tumor promotion and arachidonic acid metabolism in mouse skin. Conney AH, et al.
Adv Enzyme Regul 1991;31:385-96 (27 ref.)

TETRAETHYLRHODAMINE see **RHODAMINES**

TETRAETHYLTHIURAM DISULFIDE see **DISULFIRAM**

TETRAGASTRIN RECEPTORS see **RECEPTORS, CHOLECYSTOKININ**

TETRAHYDRO-1,4-OXAZINES see **MORPHOLINES**

TETRAHYDROAMINOACRIDINE see **TACRINE**

TETRAHYDROCANNABINOL

PHARMACOLOGY

The effects of delta-9-THC on mechanisms of learning and memory. Deadwyler SA, et al. **NIDA Res Monogr** 1990; 97:79-93 (60 ref.)

TOXICITY

Animal models of opiate, cocaine, and cannabis use. Hutchings DE, et al. **Clin Perinatol** 1991 Mar;18(1):1-22 (55 ref.)

TETRAHYDROFOLATE DEHYDROGENASE

ANTAGONISTS & INHIBITORS

The renewed potential for folate antagonists in contemporary cancer chemotherapy. Berman EM, et al. **J Med Chem** 1991 Feb;34(2):479-85 (58 ref.)

GENETICS

The mammalian dihydrofolate reductase locus. Hamlin JL, et al. **Biochim Biophys Acta** 1990 Oct 23;1087(2):107-25 (219 ref.)

The dihydrofolate reductase-thymidylate synthetase gene in the drug resistance of malaria parasites. Hyde JE.
Pharmacol Ther 1990;48(1):45-59 (76 ref.)

TETRAHYDROFOLATES

PHARMACOLOGY

5,10-Dideaza-5,6,7,8-tetrahydrofolic acid (DDATHF): a potent inhibitor of purine biosynthesis. **Nutr Rev** 1990 Nov; 48(11):421-3 (4 ref.)

TETRAHYDROPAPAVEROLINE

PHARMACOLOGY

Anatomical "circuitry" in the brain mediating alcohol drinking revealed by THP-reactive sites in the limbic system. Myers RD. **Alcohol** 1990 Sep-Oct;7(5):449-59 (89 ref.)

TETRAHYDROXYADIPIC ACID see **GLUCARIC ACID**

TETRAHYDROXYPAPAVEROLINE see **TETRAHYDROPAPAVEROLINE**

TETRAHYMENA

GENETICS

Nobel lecture. Self-splicing and enzymatic activity of an intervening sequence RNA from Tetrahymena. Cech TR. **Biosci Rep** 1990 Jun;10(3):239-61 (101 ref.)

Copy number control in the Tetrahymena macronuclear genome. Larson DD, et al. **J Protozool** 1991 May-Jun; 38(3):258-63 (55 ref.)

TETRALOGY OF FALLOT

GENETICS

The inheritance of conotruncal malformations: a review and report of two siblings with tetralogy of Fallot with pulmonary atresia. Wulfsberg EA, et al. **Clin Genet** 1991 Jul;40(1):12-6 (13 ref.)

MORTALITY

Tetralogy of Fallot: late results and reoperations. Pacifico AD, et al. **Semin Thorac Cardiovasc Surg** 1990 Jan; 2(1):108-16 (20 ref.)

PATHOLOGY

Balloon dilation of branch pulmonary artery stenosis. Rothman A, et al. **Semin Thorac Cardiovasc Surg** 1990 Jan; 2(1):46-54 (33 ref.)

Tetralogy of Fallot: angiographic and pathological correlation. Soto B, et al.
Semin Thorac Cardiovasc Surg 1990 Jan;2(1):12-26 (20 ref.)

PHYSIOPATHOLOGY

[Cardiological aspects of pregnancy in women with tetralogy of Fallot. Description of a case of multiple pregnancies and review of the literature] Ferro M, et al.
Minerva Cardioangiol 1990 Nov;38(11):501-3 (20 ref.) (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Tetralogy of Fallot: angiographic and pathological correlation. Soto B, et al.
Semin Thorac Cardiovasc Surg 1990 Jan;2(1):12-26 (20 ref.)

SURGERY

Late ventricular arrhythmias occurring after repair of tetralogy of Fallot: do they matter? Deanfield JE.
Int J Cardiol 1991 Feb;30(2):143-50 (42 ref.)

Transannular outflow tract patching for tetralogy: indications and results. Kirklin JK, et al.
Semin Thorac Cardiovasc Surg 1990 Jan;2(1):61-9 (25 ref.)

Predicting the degree of relief of the pulmonary stenosis or atresia after the repair of tetralogy of Fallot. Kirklin JW, et al. **Semin Thorac Cardiovasc Surg** 1990 Jan;2(1):55-60 (16 ref.)

Tetralogy of Fallot: late results and reoperations. Pacifico AD, et al. **Semin Thorac Cardiovasc Surg** 1990 Jan; 2(1):108-16 (20 ref.)

Modified Blalock-Taussig shunts in the treatment of tetralogy of Fallot. Rosenkranz ER.
Semin Thorac Cardiovasc Surg 1990 Jan;2(1):27-33 (70 ref.)

[Repair of Tetralogy of Fallot with a single pulmonary artery. Developmental modalities] Bloch G, et al. **Ann Chir** 1990; 44(8):624-7 (10 ref.) **(Fre)**

[Evaluation of the quality of life in adulthood of 158 patients surgically-treated for tetralogy of Fallot] Aigueperse J, et al. **Arch Mal Coeur Vaiss** 1991 May;84(5):685-90 (9 ref.) (Eng. Abstr.) **(Fre)**

[Complete repair of tetralogy of Fallot in infants under the age of 6 months. Apropos of 25 cases] Guirgis NH, et al. **Arch Mal Coeur Vaiss** 1991 May;84(5):679-83 (12 ref.) (Eng. Abstr.) **(Fre)**

ULTRASONOGRAPHY

Echocardiography in classical tetralogy of Fallot. McConnell ME. **Semin Thorac Cardiovasc Surg** 1990 Jan;2(1):2-11 (33 ref.)

L-TETRAMISOLE see **LEVAMISOLE**

TETRAPLEGIA see **QUADRIPLEGIA**

TETRAZOLES

ADVERSE EFFECTS

[Coagulation disorders caused by cephalosporins containing methylthiotetrazole side chains] Peetermans W, et al.
Acta Clin Belg 1990;45(5):327-33 (29 ref.) (Eng. Abstr.) **(Dut)**

PHARMACOLOGY

In vitro pharmacology of DuP 753. Chiu AT, et al.
Am J Hypertens 1991 Apr;4(4 Pt 2):282S-287S (18 ref.)

In vivo pharmacology of DuP 753. Wong PC, et al.
Am J Hypertens 1991 Apr;4(4 Pt 2):288S-298S (39 ref.)

[Trend in the development of new inhibitors of cyclic nucleotide metabolism and their clinical application] Hidaka H, et al. **Nippon Rinsho** 1991 Apr;49(4):961-7 (13 ref.) **(Jpn)**

TETRAZOLIUM SALTS

CHEMISTRY

The tetrazolium-formazan system: design and histochemistry. Seidler E. **Prog Histochem Cytochem** 1991;24(1):1-86 (210 ref.)

TETRODOTOXIN

POISONING

Puffer fish poisoning. Lange WR. **Am Fam Physician** 1990 Oct;42(4):1029-33 (27 ref.)

TEXTBOOKS, PROGRAMMED see **PROGRAMMED INSTRUCTION**

TEXTILES

Cancer risks due to asbestos and man-made fibres. McDonald JC. **Recent Results Cancer Res** 1990;120:122-31 (23 ref.)

[Surgical absorbable suture materials] Kuzin MI, et al.
Khirurgiia (Mosk) 1990 Sep;(9):152-7 (72 ref.) **(Rus)**

TFE see **POLYTETRAFLUOROETHYLENE**

TGE VIRUS see **GASTROENTERITIS VIRUS OF SWINE**

TGF-ALPHA see **TRANSFORMING GROWTH FACTOR ALPHA**

TGF-BETA see **TRANSFORMING GROWTH FACTOR BETA**

THALAMIC DISEASES

COMPLICATIONS

[Cerebellar ataxia and unilateral asterixis caused by thalamic hematoma. Presumed mechanisms] Trouillas P, et al.
Rev Neurol (Paris) 1990;146(8-9):484-9 (38 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[A case of solitary thalamic abscess treated by sterotactic aspiration] Yoritaka A, et al. **No To Shinkei** 1990 Aug; 42(8):749-53 (19 ref.) (Eng. Abstr.) **(Jpn)**

THALAMIC NUCLEI

ANATOMY & HISTOLOGY

The specificity of the nonspecific thalamus: the midline nuclei. Bentivoglio M, et al. **Prog Brain Res** 1991;87:53-80 (168 ref.)

Correlation and revised nomenclature of ventral nuclei in the thalamus of human and monkey. Jones EG.
Stereotact Funct Neurosurg 1990;54-55:1-20 (53 ref.)

PHYSIOPATHOLOGY

Role of the forebrain in nociception. Willis WD Jr.
Prog Brain Res 1991;87:1-12 (55 ref.)

THALAMOSTRIATE VEIN see **CEREBRAL VEINS**

THALAMUS

ANATOMY & HISTOLOGY

The anatomical relationship of the prefrontal cortex with the striatopallidal system, the thalamus and the amygdala: evidence for a parallel organization. Groenewegen HJ, et al. **Prog Brain Res** 1990;85:95-116; discussion 116-8 (52 ref.)

The anatomy of sensory relay functions in the thalamus. Jones EG. **Prog Brain Res** 1991;87:29-52 (118 ref.)

Higher centers concerned with eye movement and visual attention: cerebral cortex and thalamus. Leichnetz GR, et

al. **Rev Oculomot Res** 1988;2:365–429 (342 ref.)

PHYSIOLOGY

Basal ganglia–thalamocortical circuits: parallel substrates for motor, oculomotor, "prefrontal" and "limbic" functions. Alexander GE, et al. **Prog Brain Res** 1990;85:119–46 (170 ref.)

Role of the prefrontal–-thalamic axis in classical conditioning. Powell DA, et al. **Prog Brain Res** 1990; 85:433–65; discussion 465–6 (88 ref.)

Local circuitry of the somatosensory thalamus in the processing of sensory information. Ralston HJ 3d. **Prog Brain Res** 1991;87:13–28 (39 ref.)

The visual superior colliculus and pulvinar. Robinson DL, et al. **Rev Oculomot Res** 1989;3:337–60 (115 ref.)

The central thalamus. Schlag–Rey M, et al. **Rev Oculomot Res** 1989;3:361–90 (152 ref.)

A role for GABAB receptors in excitation and inhibition of thalamocortical cells. Crunelli V, et al. **Trends Neurosci** 1991 Jan;14(1):16–21 (48 ref.)

THALASSEMIA

BLOOD

Fate of alpha–hemoglobin chains and erythrocyte defects in beta–thalassemia. Rouyer–Fessard P, et al. **Ann N Y Acad Sci** 1990;612:106–17 (52 ref.)

Differences in the pathophysiology of hemolysis of alpha– and beta–thalassemic red blood cells. Shinar E, et al. **Ann N Y Acad Sci** 1990;612:118–26 (43 ref.)

Innate resistance to malaria: the intraerythrocytic cycle. Nagel RL. **Blood Cells** 1990;16(2–3):321–39; discussion 340–9 (90 ref.)

[Fetal hemoglobin] Rokicka–Piotrowicz M. **Postepy Hig Med Dosw** 1989;43(5–6):475–97 (103 ref.) (Eng. Abstr.) **(Pol)**

CLASSIFICATION

Silent beta–thalassemia and thalassemia intermedia. Huisman TH. **Haematologica** 1990 Sep–Oct;75 Suppl 5:1–8 (13 ref.)

COMPLICATIONS

Clinical studies on iron chelation in patients with thalassemia major. Freedman MH, et al. **Haematologica** 1990 Sep–Oct; 75 Suppl 5:74–83 (28 ref.)

The interactions of alpha–thalassemia with hemoglobinopathies. Steinberg MH. **Hematol Oncol Clin North Am** 1991 Jun;5(3):453–73 (148 ref.)

[The endocrine complications in thalassemia major] Anastasi S, et al. **Pediatr Med Chir** 1991 Jan–Feb;13(1):63–5 (15 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Antenatal diagnosis. Summary of results. Alter BP. **Ann N Y Acad Sci** 1990;612:237–50 (17 ref.)

Antenatal diagnosis of beta–thalassemia in Sardinia. Cao A, et al. **Ann N Y Acad Sci** 1990;612:215–25 (33 ref.)

Prenatal diagnosis of thalassemia and of the sickle cell syndromes in Greece. Loukopoulos D, et al. **Ann N Y Acad Sci** 1990;612:226–36 (12 ref.)

Prenatal diagnosis of hemoglobinopathies. Fischel–Ghodsian N. **Clin Perinatol** 1990 Dec;17(4):811–28 (161 ref.)

Detection and prevention of important alpha–thalassemia variants. Hsia YE. **Semin Perinatol** 1991 Feb;15(1 Suppl 1):35–42 (26 ref.)

Prenatal diagnosis of beta–thalassemia. Kazazian HH Jr. **Semin Perinatol** 1991 Jun;15(3 Suppl 2):15–24 (93 ref.)

DRUG THERAPY

Pyridoxal isonicotinoyl hydrazone. Effective iron chelation after oral administration. Brittenham GM. **Ann N Y Acad Sci** 1990;612:315–26 (49 ref.)

Pharmacologic manipulation of fetal hemoglobin. Update on clinical trials with hydroxyurea. Dover GJ. **Ann N Y Acad Sci** 1990;612:184–90 (29 ref.)

Oral iron chelators for the clinical management of iron overload. Current hopes and problems. Piomelli S. **Ann N Y Acad Sci** 1990;612:311–4 (16 ref.)

EPIDEMIOLOGY

Retrospective clinical remarks in thalassemia intermedia. Dore F, et al. **Haematologica** 1990 Sep–Oct;75 Suppl 5:9–25 (11 ref.)

GENETICS

Thalassemia: genotypes and phenotypes. Loukopoulos D. **Ann Hematol** 1991 May;62(5):145–50 (55 ref.)

Thalassemia: genotypes and phenotypes. Loukopoulos D. **Ann Hematol** 1991 Apr;62(4):85–94 (55 ref.)

The use of direct gene analysis to define beta–thalassemia. Dozy AM, et al. **Ann N Y Acad Sci** 1990;612:22–30 (19 ref.)

The alpha–thalassemias. Higgs DR, et al. **Ann N Y Acad Sci** 1990;612:15–22 (36 ref.)

Gene defects in beta–thalassemia and their prenatal diagnosis. Kazazian HH Jr, et al. **Ann N Y Acad Sci** 1990;612:1–14 (55 ref.)

Beta–thalassemia in Thailand. Winichagoon P, et al. **Ann N Y Acad Sci** 1990;612:31–42 (25 ref.)

Frequencies of common beta–thalassaemia alleles among different populations: variability in clinical severity. Huisman TH. **Br J Haematol** 1990 Aug;75(4):454–7 (30 ref.)

Delta beta thalassemia and hereditary persistence of fetal hemoglobin. Bollekens JA, et al. **Hematol Oncol Clin North Am** 1991 Jun;5(3):399–422 (156 ref.)

Occurrence of the alpha thalassaemia–mental retardation syndrome (non–deletional type) in an Australian male. Harvey MP, et al. **J Med Genet** 1990 Sep;27(9):577–81 (20 ref.)

METABOLISM

Iron metabolism and iron chelation in the thalassaemia disorders. Pippard MJ. **Haematologica** 1990 Sep–Oct;75 Suppl 5:66–71 (21 ref.)

PHYSIOPATHOLOGY

Endocrine abnormalities in thalassemia. Vullo C, et al. **Ann N Y Acad Sci** 1990;612:293–310 (46 ref.)

Intrathoracic extramedullary hematopoiesis simulating posterior mediastinal mass–-report of a case in patient with beta–thalassemia intermedia. Yu YC, et al. **Kao Hsiung I Hsueh Ko Hsueh Tsa Chih** 1991 Jan;7(1):43–8 (23 ref.)

PSYCHOLOGY

A psychosocial perspective. Growing up with thalassemia, a chronic disorder. Nash KB. **Ann N Y Acad Sci** 1990; 612:442–50 (19 ref.)

SURGERY

Marrow transplantation for severe aplastic anemia and thalassemia major. Storb R, et al. **Semin Hematol** 1991 Jul; 28(3):235–9 (7 ref.)

THERAPY

Current therapy for thalassemia in Italy. Gabutti V. **Ann N Y Acad Sci** 1990;612:268–74 (34 ref.)

Current therapy of Cooley's anemia. A decade of experience with subcutaneous desferrioxamine. Giardina PJ, et al. **Ann N Y Acad Sci** 1990;612:275–85 (24 ref.)

Design, properties, and effective use of the oral chelator L1 and other alpha–ketohydroxypyridines in the treatment of transfusional iron overload in thalassemia. Kontoghiorghes GJ. **Ann N Y Acad Sci** 1990;612:339–50 (42 ref.)

The treatment of Cooley's anemia. Nathan DG. **Haematologica** 1990 Sep–Oct;75 Suppl 5:57–65 (15 ref.)

Management of thalassemia major (Cooley's anemia). Piomelli S, et al. **Hematol Oncol Clin North Am** 1991 Jun; 5(3):557–69 (38 ref.)

Paraplegia in a pregnant thalassemic woman due to extramedullary hematopoiesis: successful management with transfusions. Singounas EG, et al. **Surg Neurol** 1991 Sep; 36(3):210–5 (22 ref.)

THALASSEMIA MAJOR see **THALASSEMIA**

THALLIUM

POISONING

[Recurrent peripheral neuropathy caused by thallium poisoning] Labauge R, et al. **Rev Neurol (Paris)** 1991; 147(4):317–9 (14 ref.) (Eng. Abstr.) **(Fre)**

THALLIUM RADIOISOTOPES

DIAGNOSTIC USE

Adenosine thallium 201 myocardial perfusion scintigraphy. Verani MS. **Am Heart J** 1991 Jul;122(1 (Pt 1)):269–78; discussion 302–6 (23 ref.)

Dipyridamole thallium imaging. Beer SG, et al. **Am J Cardiol** 1991 May 21;67(14):18D–26D (83 ref.)

Exercise thallium–201 scintigraphy in the diagnosis and prognosis of coronary artery disease. Kotler TS, et al. **Ann Intern Med** 1990 Nov 1;113(9):684–702 (193 ref.)

Prognostic value of thallium–201 myocardial perfusion imaging. A diagnostic tool comes of age. Brown KA. **Circulation** 1991 Feb;83(2):363–81 (146 ref.)

Intravenous dipyridamole thallium–201 SPECT imaging methodology, applications, and interpretations. Rockett JF, et al. **Clin Nucl Med** 1990 Oct;15(10):712–25 (59 ref.)

Scintigraphic localization of ectopic parathyroid lesions with thallium–201. Moisa II, et al. **Head Neck** 1991 May–Jun; 13(3):184–90 (30 ref.)

Controversies in nuclear medicine. Analysis of 201Tl myocardial images. Quantitative 201Tl myocardial perfusion imaging. Maisey MN. **Nucl Med Commun** 1991 Apr;12(4):323–32 (19 ref.)

Controversies in nuclear medicine. Analysis of 201Tl myocardial images. Visual analysis of thallium scans from digitized gated images. Martin W, et al. **Nucl Med Commun** 1991 Apr;12(4):327–32 (29 ref.)

Pharmacological and other nonexercise alternatives to exercise testing to evaluate myocardial perfusion and left ventricular function with radionuclides. DePuey EG, et al. **Semin Nucl Med** 1991 Apr;21(2):92–101 (67 ref.)

[201Thallium reinjection after exertion–redistribution myocardial scintigraphy. A new method for distinguishing between scars and vital myocardium] Munz DL, et al. **Dtsch Med Wochenschr** 1991 Mar 8;116(10):361–6 (21 ref.) (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

[Methods for producing 123I and 201Tl and their use in nuclear medicine] Venikov NI, et al. **Med Radiol (Mosk)** 1991;36(3):52–6 (86 ref.) **(Rus)**

THANATOLOGY

see related

DEATH

[Topics in clinical thanatology. Autopathothanatobiographies, –diaries, –epistulographies in comparison with Angloamerican clinical thanatologic experiences] Jacob H. **Psychother Psychosom Med Psychol** 1990 Dec; 40(12):449–65 (269 ref.) (Eng. Abstr.) **(Ger)**

THANATOPHORIC DWARFISM see **THANATOPHORIC DYSPLASIA**

THANATOPHORIC DYSPLASIA

ETIOLOGY

Atelosteogenesis I and boomerang dysplasia: a question of nosology. Hunter AG, et al. **Clin Genet** 1991 Jun; 39(6):471–80 (16 ref.)

GENETICS

[Fatal nanism: 3 different entities] Escrivá Tomás P, et al. **An Esp Pediatr** 1991 Apr;34(4):305–9 (11 ref.) (Eng. Abstr.) **(Spa)**

[Evidence of heterogeneity in dyssegmental dysplasia] Oliván Gonzalvo G, et al. **An Esp Pediatr** 1990 Sep;33(3):213–23 (28 ref.) (Eng. Abstr.) **(Spa)**

THC see **TETRAHYDROCANNABINOL**

THEA see **TEA**

THEBAINE

ANALOGS & DERIVATIVES

Novel thebainelike morphinandienes and their Diels–Alder adducts. Maat L. **NIDA Res Monogr** 1990;96:35–49 (21 ref.)

THECA CELLS

PHYSIOLOGY

Insulin–like growth factors and thecal–granulosa–cell function. Geisthovel F, et al. **Hum Reprod** 1990 Oct; 5(7):785–99 (122 ref.)

THEILERIASIS

EPIDEMIOLOGY

Theileria parva: influence of vector, parasite and host relationships on the epidemiology of theileriosis in southern Africa. Norval RA, et al. **Parasitology** 1991 Jun;102 Pt 3:347–56 (74 ref.)

PREVENTION & CONTROL

Control of tropical theileriosis (Theileria annulata infection) of cattle. Brown CG. **Parassitologia** 1990 Apr;32(1):23–31 (33 ref.)

Methods currently used for the control of East Coast fever: their validity and proposals for future control strategies. Musisi FL. **Parassitologia** 1990 Apr;32(1):15–22 (16 ref.)

Development of recombinant antigen vaccines for the control of theileriosis. Musoke AJ, et al. **Parassitologia** 1990 Apr; 32(1):73–85 (65 ref.)

Methods currently used for the control of Theileria annulata: their validity and proposals for future control strategies. Singh DK. **Parassitologia** 1990 Apr;32(1):33–40 (15 ref.)

Control of Theileria species (other than East Coast fever and Theileria annulata infection), Ehrlichia and tick toxicosis: present situation and proposals for future control strategies. Young AS. **Parassitologia** 1990 Apr;32(1):41–54 (81 ref.)

THEMATIC APPERCEPTION TEST

What is the TAT? A review of ten years of research. Keiser RE, et al. **J Pers Assess** 1990 Winter;55(3–4):800–3 (6 ref.)

THEOBROMINE

ADVERSE EFFECTS

Theobromine. **IARC Monogr Eval Carcinog Risks Hum** 1991; 51:421–41 (102 ref.)

THEOPHYLLINE

ADMINISTRATION & DOSAGE

An updated comparison of drug dosing methods. Part II: Theophylline. Erdman SM, et al. **Clin Pharmacokinet** 1991 Apr;20(4):280–92 (52 ref.)

ADVERSE EFFECTS

Ranitidine–theophylline interaction—fact or fiction? Hegman GW, et al. **DICP** 1991 Jan;25(1):21–5 (20 ref.)

Theophylline in asthma and COPD: changing perspectives and controversies. Poe RH, et al. **Geriatrics** 1991 Apr; 46(4):55–6, 61–5 (46 ref.)

Theophylline. **IARC Monogr Eval Carcinog Risks Hum** 1991; 51:391–419 (202 ref.)

[Adverse drug effects in bronchial asthma] Zamir C, et al. **Harefuah** 1990 Dec 2;119(11):392–6 (45 ref.) **(Heb)**

PHARMACOKINETICS

Pharmacokinetic interactions between theophylline and other medication (Part I). Upton RA. **Clin Pharmacokinet** 1991 Jan;20(1):66–80 (0 ref.)

Pharmacokinetic interactions between theophylline and other medication (Part II). Upton RA. **Clin Pharmacokinet** 1991 Feb;20(2):135–50 (312 ref.)

Interspecies metabolism and pharmacokinetic scaling of theophylline disposition. Gaspari F, et al. **Drug Metab Rev** 1990;22(2–3):179–207 (127 ref.)

PHARMACOLOGY

[Recent acquisitions on the pharmacology and therapeutic uses of theophylline with special reference to cardiovascular effects] Costa R, et al. **Clin Ter** 1991 Feb 28;136(4):233–44 (60 ref.) (Eng. Abstr.) **(Ita)**

THEOPHYLLINE RECEPTORS see **RECEPTORS, PURINERGIC**

THERAPEUTIC CULTS

see related
QUACKERY

TRENDS

[Special therapeutic trends. 2: General procedures, basic naturopathy procedures] Eujen R, et al. **Med Monatsschr Pharm** 1991 Feb;14(2):43–6 (0 ref.) **(Ger)**

THERAPEUTIC EQUIVALENCY

[Generic prescription] Olesgaard P. **Ugeskr Laeger** 1991 Jul 29;153(31):2158–60 (15 ref.) (Eng. Abstr.) **(Dan)**

THERAPEUTICS

Interferons: from molecular biology to man. Part 3. Interferons and disease. Balkwill FR. **Microbiol Sci** 1986 Sep;3(9):281–4 (24 ref.)

[Special therapeutic directions. 4: Procedures with technical assistance and diagnostic procedures] Eujen R. **Med Monatsschr Pharm** 1991 Apr;14(4):109–17 (8 ref.) **(Ger)**

PSYCHOLOGY

[Stress of medical origin and "education" of the patient] Fontaine O, et al. **Rev Med Liege** 1990 Sep;45(9):422–32 (61 ref.) **(Fre)**

THERAPY, COMBINED MODALITY see **COMBINED MODALITY THERAPY**

THERAPY, COMPUTER-ASSISTED

Computer-aided clinical management: microscopic cancer of the ectocervix. Johnson N. **Bailliere's Clin Obstet Gynaecol** 1990 Dec;4(4):885–904 (94 ref.)

Digital/programmable hearing aids—an eye towards the future. Staab WJ. **Br J Audiol** 1990 Aug;24(4):243–56 (29 ref.)

METHODS

[Possibilities of mathematical modeling in psychiatry (review of the literature)] Blokhina VP, et al. **Zh Nevropatol Psikhiatr** 1990;90(7):120–3 (74 ref.) **(Rus)**

THERMOCOAGULATION see **ELECTROCOAGULATION**

THERMODILUTION

METHODS

Thermodilution method for measuring cardiac output. Conway J, et al. **Eur Heart J** 1990 Dec;11 Suppl I:17–20 (18 ref.)

Alternatives to Swan–Ganz cardiac output monitoring. Moore FA, et al. **Surg Clin North Am** 1991 Aug; 71(4):699–721 (91 ref.)

THERMODYNAMICS

Biothermokinetics of processes and energy conversion. Walz D. **Biochim Biophys Acta** 1990 Sep 19;1019(3):171–224 (103 ref.)

The thermodynamics of bipolarity: a bifurcation model of bipolar illness and bipolar character and its psychotherapeutic applications. Sabelli HC, et al. **Psychiatry** 1990 Nov;53(4):346–68 (66 ref.)

[The thermodynamic approach to a scrutiny of the Purkinje effect and related phenomena] Chukova IuP. **Usp Fiziol Nauk** 1990 Oct–Dec;21(4):123–37 (46 ref.) **(Rus)**

THERMOELECTRIC POWER PLANTS see **POWER PLANTS**

THERMOGRAPHY

Scrotal thermography in varicocele. Comhaire F. **Adv Exp Med Biol** 1991;286:267–70 (12 ref.)

Thermography of the hand and wrist: practical applications. Feldman F. **Hand Clin** 1991 Feb;7(1):99–112 (58 ref.)

Use of thermography for initial detection of early reflex sympathetic dystrophy. Karstetter KW, et al. **J Am Podiatr Med Assoc** 1991 Apr;81(4):198–205 (38 ref.)

Thermography—its current diagnostic status in musculoskeletal medicine. Awerbuch MS. **Med J Aust** 1991 Apr 1;154(7):441–4 (39 ref.)

Use of telethermography in the management of sports injuries. Garagiola U, et al. **Sports Med** 1990 Oct; 10(4):267–72 (15 ref.)

INSTRUMENTATION

Future applications of electronic thermography. Gratt BM, et al. **J Am Dent Assoc** 1991 May;122(6):28–36 (92 ref.)

METHODS

Quantitative thermal imaging. Ring EF. **Clin Phys Physiol Meas** 1990;11 Suppl A:87–95 (18 ref.)

THERMOLYSIN

METABOLISM

Thermolysin: a peptide forming enzyme. Reddy AV. **Indian J Biochem Biophys** 1991 Feb;28(1):10–5 (79 ref.)

THERMOMETERS

Deep body intrascrotal thermometer: theory and methodology. Takihara H, et al. **Adv Exp Med Biol** 1991; 286:115–9 (7 ref.)

Tympanic membrane thermometer: a new and improved way to measure temperature? Ros SP. **Pediatr Emerg Care** 1990 Dec;6(4):299–300 (10 ref.)

THERMORECEPTORS

PHYSIOLOGY

[Trends in the modern physiology of thermoreception] Lupandin IuV, et al. **Nerv Sist** 1990;29:136–42 (28 ref.) **(Rus)**

[Current theories on the role of the central nervous system in temperature regulation in the human body] Akimov GA, et al. **Sov Med** 1990;(10):43–6 (46 ref.) **(Rus)**

THERMOREGULATION see **BODY TEMPERATURE REGULATION**

THERMOTHERAPY see **HYPERTHERMIA, INDUCED**

THIADIAZINES

ADMINISTRATION & DOSAGE

[Treatment of local infection with taurolin] Burri C. **Aktuel Probl Chir Orthop** 1990;34:78–84 (7 ref.) **(Ger)**

THIAMAZOLE see **METHIMAZOLE**

THIAMINE

METABOLISM

[Is sugar a nutrient robber?] Feldheim W. **Z Ernahrungswiss** 1990;29 Suppl 1:26–30 (9 ref.) (Eng. Abstr.) **(Ger)**

THIAZEPINES

THERAPEUTIC USE

KT-362 related effects on intracellular calcium release and associated clinical potential: arrhythmias, myocardial ischemia, and hypertension. Hester RK, et al. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1345–54 (32 ref.)

THIAZIDE DIURETICS see **DIURETICS, THIAZIDE**

THIAZOLES

ADVERSE EFFECTS

[Contact hypersensitivity to Kathon CG. Apropos of 35 cases among 977 tested subjects] Ledieu G, et al. **Ann Dermatol Venereol** 1991;118(3):181–9 (41 ref.) (Eng. Abstr.) **(Fre)**

PHARMACOLOGY

The use of diacylglycerol kinase inhibitors for elucidating the roles of protein kinase C. de Chaffoy de Courcelles D. **Adv Second Messenger Phosphoprotein Res** 1990; 24:491–6 (50 ref.)

THERAPEUTIC USE

[Mucolytic therapy: a new product] Zoni G. **Boll Chim Farm** 1990 Oct–Nov;129(10–11):22S–26S (29 ref.) **(Ita)**

THIGH

Extraskeletal Ewing's sarcoma. Presentation of two cases and review of the literature. Pavlidis NA, et al. **Eur J Surg Oncol** 1991 Jun;17(3):308–12 (12 ref.)

BLOOD SUPPLY

[Interventional angiology in the area of the thigh. Percutaneous balloon dilatation, new procedures of recanalization, stents] Teifke A, et al. **Fortschr Med** 1991 Mar 30;109(9):204–7 (17 ref.) (Eng. Abstr.) **(Ger)**

THINKING

Culture tales. A narrative approach to thinking, cross-cultural psychology, and psychotherapy. Howard GS. **Am Psychol** 1991 Mar;46(3):187–97 (65 ref.)

Ordering thoughts on thought disorder. McGrath J. **Br J Psychiatry** 1991 Mar;158:307–16 (60 ref.)

How a relationship between thinking and feeling may give rise to a variety of human behaviors. O'Connor BP. **Genet Soc Gen Psychol Monogr** 1991 Feb;117(1):29–48 (75 ref.)

A psychoanalytic view of the Rorschach Comprehensive System "special scores". Meloy JR, et al. **J Pers Assess** 1991 Apr;56(2):202–17 (55 ref.)

Significance of the positive–negative distinction in schizophrenia. Kay SR. **Schizophr Bull** 1990;16(4):635–52 (72 ref.)

[Affective processes and the development of thinking] Mancia M. **Minerva Pediatr** 1991 Mar;43(3):161–7 (23 ref.) **(Ita)**

THINNESS

[Endocrinologic approach to obesity and thinness] Matsukura S, et al. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):309–16 (14 ref.) **(Jpn)**

THIO-TEPA

TOXICITY

Thiotepa. **IARC Monogr Eval Carcinog Risks Hum** 1990; 50:123–41 (121 ref.)

THIOAMIDES

METABOLISM

Metabolism of thioamide antithyroid drugs. Sitar DS. **Drug Metab Rev** 1990;22(5):477–502 (91 ref.)

THIOBACILLUS

METABOLISM

Physiology of the thiobacilli: elucidating the sulphur oxidation pathway. Kelly DP. **Microbiol Sci** 1985; 2(4):105–9 (38 ref.)

THIOBARBITURATES

METABOLISM

Malondialdehyde and thiobarbituric acid–reactivity as diagnostic indices of lipid peroxidation and peroxidative tissue injury. Janero DR. **Free Radic Biol Med** 1990; 9(6):515–40 (196 ref.)

THIOETHERS see **SULFIDES**

THIOL PROTEINASES see **CYSTEINE PROTEINASES**

THIOLS see **SULFHYDRYL COMPOUNDS**

THIOMEBUMAL see **THIOPENTAL**

THIOPENTAL

ADMINISTRATION & DOSAGE

[Barbiturate coma in the treatment of refractory status epilepticus in adults. Usefulness of continuous electroencephalography in intensive care] Jolliet P, et al. **Schweiz Med Wochenschr** 1991 Jun 15;121(24):903–9 (40 ref.) (Eng. Abstr.) **(Fre)**

THIOPENTOBARBITAL see **THIOPENTAL**

THIOPHENES

Naturally occurring di- and trithiophenes. Kagan J. **Fortschr Chem Org Naturst** 1991;56:87–169 (270 ref.)

THIOPHOSPHAMIDE see **THIO-TEPA**

THIOREDOXIN

SECRETION

Interleukin 1 beta and thioredoxin are secreted through a novel pathway of secretion. Rubartelli A, et al. **Biochem Soc Trans** 1991 Apr;19(2):255–9 (20 ref.)

THIOREDOXIN REDUCTASE (NADPH)

METABOLISM

Ferredoxin–dependent chloroplast enzymes. Knaff DB, et al. **Biochim Biophys Acta** 1991 Jan 22;1056(2):93–125 (337 ref.)

THIOSULFATES

METABOLISM

Thiosulfate, polythionates and elemental sulfur assimilation and reduction in the bacterial world. Le Faou A, et al. **FEMS Microbiol Rev** 1990 Aug;6(4):351–81 (259 ref.)

THERAPEUTIC USE

Cisplatin rescue therapy: experience with sodium thiosulfate, WR2721, and diethyldithiocarbamate. Gandara DR, et al. **Crit Rev Oncol Hematol** 1990;10(4):353–65 (95 ref.)

THIOTEPA see **THIO-TEPA**

THIRD-NERVE PALSY see **OCULOMOTOR NERVE PARALYSIS**

THIRD-NERVE PARALYSIS see **OCULOMOTOR NERVE PARALYSIS**

THIRD PARTY PAYMENTS see **INSURANCE, HEALTH, REIMBURSEMENT**

THORACIC ARTERIES

SURGERY

Early postoperative sternal approximation after ITA harvesting: computed tomographic evaluation. Vanleeuw P, et al. **Ann Thorac Surg** 1991 Sep;52(3):518–22 (16 ref.)

THORACIC CYST see **MEDIASTINAL CYST**

THORACIC DISEASES

Thoracic and extrathoracic bronchial fistulas. Powner DJ, et al. **Chest** 1991 Aug;100(2):480–6 (49 ref.)

DIAGNOSIS

Thoracic magnetic resonance imaging. Weinreb JC, et al. **Clin Chest Med** 1991 Mar;12(1):33–54 (108 ref.)

[Thoracic sarcoidosis] Roos N, et al. **Radiologe** 1990 Dec; 30(12):581–90 (48 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Semi-invasive aspergillosis with involvement of the thoracic wall cured by itraconazole] Milleron B, et al. **Rev Pneumol Clin** 1990;46(4):175–7 (18 ref.) (Eng. Abstr.) **(Fre)**

[Thoracic actinomycosis. Report of 8 cases] Patey O, et al. **Rev Pneumol Clin** 1990;46(3):91–7 (35 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[X-ray computed tomography of the thorax] Webb WR. **J Radiol** 1990 Nov;71(11):573–85 (69 ref.) **(Fre)**

[Thoracic X-ray in intensive care] Maffessanti M, et al. **Radiol Med (Torino)** 1991 Jul–Aug;82(1–2):107–17 (30 ref.) **(Ita)**

SURGERY

[Use of the greater omentum in thoracic surgery] Levashev IuN, et al. **Grud Serdechnososudistaia Khir** 1990;(10):72–4 (55 ref.) **(Rus)**

VETERINARY

Thoracoscopy. McCarthy TC, et al. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1341–52 (10 ref.)

THORACIC DUCT

[Thoracic duct cyst—a case report] Takahashi C, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Jul;38(7):1214–8 (24 ref.) (Eng. Abstr.) **(Jpn)**

THORACIC INJURIES

[Thoracic trauma] Aguilar JL, et al. **Rev Esp Anestesiol Reanim** 1991 Jan–Feb;38(1):58–62 (32 ref.) **(Spa)**

COMPLICATIONS

[Myocardial infarction caused by closed thoracic injury: pathogenic and angiocoronarographic aspects. Apropos of 4 cases and review of the literature] Marek A, et al. **Ann Cardiol Angeiol (Paris)** 1991 Mar;40(3):111–21 (55 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

ABC of major trauma. Radiological assessment—II. Lewars MD, et al. **BMJ** 1990 Oct 13;301(6756):861–4 (0 ref.)

Radiology of thoracic trauma. Stark P. **Invest Radiol** 1990 Nov;25(11):1265–75 (37 ref.)

SURGERY

[The place and extent of thoracotomy in gunshot chest wounds] Vasilev B, et al. **Khirurgiia (Sofiia)** 1990; 43(3):48–52 (14 ref.) (Eng. Abstr.) **(Bul)**

THORACIC NEOPLASMS

COMPLICATIONS

Superior vena cava syndrome caused by an intrathoracic plasmacytoma. Davis SR, et al. **Cancer** 1991 Sep 15; 68(6):1376–9 (19 ref.)

Paraneoplastic syndromes in thoracic malignancies. Richardson GE, et al. **Curr Opin Oncol** 1991 Apr;3(2):320–7 (72 ref.)

Thoracic outlet syndrome caused by tumor of the first rib. Melliere D, et al. **J Vasc Surg** 1991 Aug;14(2):235–40 (13 ref.)

[Right thoracic kidney with simple renal cyst: report of a case] Shimura S, et al. **Hinyokika Kiyo** 1990 Nov; 36(11):1321–4 (6 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Primary chest wall tumor appearing as frozen shoulder. Review and case presentations. Demazière A, et al. **J Rheumatol** 1991 Jun;18(6):911–4 (7 ref.)

[Giant cell tumor. Apropos of a costovertebral site] Barberet G, et al. **J Radiol** 1991 Feb;72(2):117–21 (14 ref.) (Eng. Abstr.) **(Fre)**

[Ewing's sarcoma and peripheral neuroectodermal tumors. Report of a case with laterothoracic localization] Cuvelier A, et al. **Rev Pneumol Clin** 1990;46(3):116–22 (35 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

Cytogenetic analysis of primitive neuroectodermal tumors. Absence of the t(11;22) in two of three cases and a review of the literature. Gorman PA, et al. **Cancer Genet Cytogenet** 1991 Jan;51(1):13–22 (13 ref.)

PATHOLOGY

Malignant fibrous histiocytoma in a recurrent thoracic chordoma: case report and literature review. Nanda A, et al. **Neurosurgery** 1991 Apr;28(4):588–92 (41 ref.)

[Desmoid tumors] Armaroli R, et al. **G Chir** 1988 Jan; 9(1):40–2 (12 ref.) (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

The radiology of Askin tumours. Saifuddin A, et al. **Clin Radiol** 1991 Jan;43(1):19–23 (20 ref.)

[Costal osteoid osteoma. Apropos of a case. Review of the literature] Montane de la Roque P, et al. **Rev Rhum Mal Osteoartic** 1991 Jan;58(1):43–5 (8 ref.) **(Fre)**

RADIOTHERAPY

[The reaction of the heart to radiation. II. Clinical studies] Adler K, et al. **Radiobiol Radiother (Berl)** 1990;31(6):465–75 (84 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Intraoperative radiotherapy in thoracic tumors. Calvo FA, et al. **Front Radiat Ther Oncol** 1991;25:307–16 (15 ref.)

Cervical, cervicomediastinal and intrathoracic lymphangioma. Glasson MJ, et al. **Prog Pediatr Surg** 1991; 27:62–83 (51 ref.)

[Repair of chest wall defects after full thickness surgical resection] Abbes M, et al. **Ann Chir** 1990;44(8):673–80 (20 ref.) (Eng. Abstr.) **(Fre)**

THORACIC NERVES

INJURIES

Damage of the long thoracic and dorsal scapular nerve after traumatic shoulder dislocation: case report and review of the literature. Jerosch J, et al. **Acta Orthop Belg** 1990; 56(3–4):625–7 (21 ref.)

THORACIC OUTLET SYNDROME

Thoracic outlet syndrome and dysfunction of the temporomandibular joint: proved pathology or pseudosyndromes? Nelson DA. **Perspect Biol Med** 1990 Summer;33(4):567–76 (33 ref.)

COMPLICATIONS

The role of thoracic outlet syndrome in the double crush syndrome. Narakas AO. **Ann Chir Main Memb Super** 1990; 9(5):331–40 (57 ref.)

ETIOLOGY

Thoracic outlet syndrome caused by tumor of the first rib. Melliere D, et al. **J Vasc Surg** 1991 Aug;14(2):235–40 (13 ref.)

THERAPY

Thoracic outlet syndrome—a myofascial variant: Part 2. Treatment. Sucher BM. **J Am Osteopath Assoc** 1990 Sep; 90(9):810–2, 817–23 (17 ref.)

THORACIC RADIOGRAPHY

The role of thoraco-abdominal irradiation before marrow transplantation. Vitale V, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:35–6 (7 ref.)

Digital chest radiography. MacMahon H, et al. **Clin Chest Med** 1991 Mar;12(1):19–32 (39 ref.)

Imaging of the intensive care unit patient. Wiener MD, et al. **Clin Chest Med** 1991 Mar;12(1):169–98 (138 ref.)

Digital chest radiology. Hansell DM. **Curr Opin Radiol** 1991 Jun;3(3):364–71 (26 ref.)

The role of chest computed tomography in the diagnosis of drug-related reactions. Kuhlman JE. **J Thorac Imaging** 1991 Jan;6(1):52–61 (80 ref.)

Radiology in the intensive-care unit. Swensen SJ, et al. **Mayo Clin Proc** 1991 Apr;66(4):396–410 (54 ref.)

Radiographic manifestations of anomalies of the chest wall. Swischuk LE, et al. **Radiol Clin North Am** 1991 Mar; 29(2):271–8 (36 ref.)

Radiologic staging of chest in testicular seminoma. Steinfeld AD, et al. **Urology** 1990 Nov;36(5):428–30 (14 ref.)

[6th consensus conference on intensive care and emergency medicine. Thoracic radiographies and skull radiographies in emergencies] **J Radiol** 1990 Dec;71(12):691–3 (0 ref.) **(Fre)**

METHODS

[Cardiac diagnosis in the conventional chest x-ray] Teifke A, et al. **Rontgenblatter** 1990 Sep;43(9):370–6 (19 ref.) (Eng. Abstr.) **(Ger)**

THORACIC SURGERY

An approach to the management of chest wall deformities. Myers NA. **Prog Pediatr Surg** 1991;27:170–90 (50 ref.)

Nursing perspectives in the management of infants and children requiring thoracic surgery. Telfer H, et al. **Prog Pediatr Surg** 1991;27:30–52 (54 ref.)

INSTRUMENTATION

[Current status and perspectives of mechanical suture techniques in abdominal and thoracic surgery] Kockel N, et al. **Zentralbl Chir** 1991;116(4):219–41 (54 ref.) (Eng. Abstr.) **(Ger)**

METHODS

New uses of the laser in thoracic and cardiovascular surgery. Michaelis LL, et al. **Jpn J Surg** 1990 Nov;20(6):620–6 (35 ref.)

[Thoracic drainage in mechanically ventilated patients—indications, placement technique, complications] Konrad F. **Klin Anasthesiol Intensivther** 1991;39:326–32; discussion 333–9 (7 ref.) **(Ger)**

[Use of the greater omentum in thoracic surgery] Levashev IuN, et al. **Grud Serdechnososudistaia Khir** 1990;(10):72–4 (55 ref.) **(Rus)**

TRENDS

[Use of fibrin glue in thoracic surgery] Astrozhnikov IuV, et al. **Vestn Khir** 1990 Oct;145(10):133–7 (45 ref.) **(Rus)**

THORACIC VERTEBRAE

Multiple spinal metastases from paraganglioma. North CA, et al. **Cancer** 1990 Nov 15;66(10):2224–8 (37 ref.)

Vertebral compression fractures at the onset of acute lymphoblastic leukemia in a child. Oliveri MB, et al.

Henry Ford Hosp Med J 1991;39(1):45–8 (34 ref.)
Occult carcinoma esophagus metastatic to spine producing paraplegia—a case report and review of literature. Kaushal R, et al. **Indian J Med Sci** 1990 Nov;44(11):304–6 (10 ref.)
Intradural herniation of a thoracic disc presenting as flaccid paraplegia: case report. Hamilton MG, et al. **Neurosurgery** 1990 Sep;27(3):482–4 (31 ref.)
[Primary carcinoid tumor of the testis with metastasis to the upper vertebrae. Report of a case] Shimura S, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Jul;82(7):1157–60 (13 ref.) (Eng. Abstr.) **(Jpn)**

ABNORMALITIES

[Scoliosis in adults (review of the literature. I] Fishchenko VIa, et al. **Ortop Travmatol Protez** 1990 Aug;(8):70–8 (99 ref.) **(Rus)**

INJURIES

[Infection by the hematogenic route of closed vertebral fracture: apropos of a case and review of the literature] Rombouts-Godin V, et al. **Rev Chir Orthop** 1990; 76(8):591–7 (33 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

[Neurological aspects of microcrystalline arthropathies] Siniachenko OV, et al. **Sov Med** 1991;(4):31–3 (49 ref.) **(Rus)**

PATHOLOGY

Cervical and thoracic pain. Bland JH. **Curr Opin Rheumatol** 1991 Apr;3(2):218–25 (23 ref.)
Spinal cord compression secondary to vertebral aseptic osteonecrosis. Laloux P, et al. **Spine** 1991 Apr;16(4):480–1 (6 ref.)

SURGERY

Multiple thoracic disc herniations. Peker S, et al. **Acta Neurochir (Wien)** 1990;107(3–4):167–70 (21 ref.)
Biomechanics of thoracolumbar spinal fixation. A review. Krag MH. **Spine** 1991 Mar;16(3 Suppl):S84–99 (134 ref.)

THORACOPLASTY

METHODS

[Use of the greater omentum for reconstruction of the chest] Nikoladze GD. **Sov Med** 1991;(4):28–31 (58 ref.) **(Rus)**

THORACOSCOPY

METHODS

[Endoscopic biopsy diagnosis of diffuse interstitial lung diseases] Ballin A. **Z Gesamte Inn Med** 1990 Oct 1; 45(19):569–72 (13 ref.) (Eng. Abstr.) **(Ger)**

VETERINARY

Thoracoscopy. McCarthy TC, et al. **Vet Clin North Am Small Anim Pract** 1990 Sep; 20(5):1341–52 (10 ref.)

THORACOTOMY

Pain relief after thoracotomy. Conacher ID. **Br J Anaesth** 1990 Dec;65(6):806–12 (40 ref.)
"Directed" emergency room thoracotomy: a prognostic prerequisite for survival. Ivatury RR, et al. **J Trauma** 1991 Aug;31(8):1076–81; discussion 1081–2 (46 ref.)
[The place and extent of thoracotomy in gunshot chest wounds] Vasilev B, et al. **Khirurgiia (Sofiia)** 1990; 43(3):48–52 (14 ref.) (Eng. Abstr.) **(Bul)**
[Justifications and benefits of exploratory thoracotomy in stage IIIb bronchopulmonary cancer] Bergeron P, et al. **Ann Chir** 1990;44(8):662–9 (29 ref.) (Eng. Abstr.) **(Fre)**

THORAX

Transthoracic needle aspiration. The benign diagnosis. Fraser RS. **Arch Pathol Lab Med** 1991 Aug;115(8):751–61 (58 ref.)
Breast cancer: chest wall hyperthermia–electron beam therapy. Kapp DS, et al. **Front Radiat Ther Oncol** 1991; 25:151–68; discussion 180–2 (45 ref.)

ABNORMALITIES

An approach to the management of chest wall deformities. Myers NA. **Prog Pediatr Surg** 1991;27:170–90 (50 ref.)
Radiographic manifestations of anomalies of the chest wall. Swischuk LE, et al. **Radiol Clin North Am** 1991 Mar; 29(2):271–8 (36 ref.)
[Asphyxiating thoracic dysplasia associated with proximal myopathy and arachnoid cyst] Ardura Fernández J, et al. **An Esp Pediatr** 1990 Dec;33(6):592–6 (14 ref.) **(Spa)**

PHYSIOLOGY

Control of voluntary trunk movements in man. Mechanisms for postural equilibrium during standing. Oddsson LI. **Acta Physiol Scand Suppl** 1990;595:1–60 (290 ref.)
[Weaning and chest wall mechanics] Suwa K. **Nippon Kyobu Shikkan Gakkai Zasshi** 1991 Mar; 29(3):307–11 (14 ref.) (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

Electron arc therapy of the chest wall for breast cancer: rationale, dosimetry, and clinical aspects. Stewart JR, et al. **Front Radiat Ther Oncol** 1991;25:134–50 (41 ref.)

ULTRASONOGRAPHY

[Ultrasonic diagnosis in dogs and cats. 2. Clinical use—a review] Flückiger M. **Schweiz Arch Tierheilkd** 1991; 133(3):101–11 (57 ref.) (Eng. Abstr.) **(Ger)**

THOST-UNNA SYNDROME see **KERATODERMA, PALMOPLANTAR, DIFFUSE**

THREADWORMS see **ENTEROBIUS**

THREONINE

THERAPEUTIC USE

L-threonine as a symptomatic treatment for amyotrophic lateral sclerosis (ALS). Roufs JB. **Med Hypotheses** 1991 Jan;34(1):20–3 (17 ref.)

THRESHOLD LIMIT VALUES see **MAXIMUM PERMISSIBLE EXPOSURE LEVEL**

THROAT see **PHARYNX**

THROMBASE see **THROMBIN**

THROMBIN

ADMINISTRATION & DOSAGE

[A study on local administration of thrombin following transurethral resection of the prostate—clinical investigation with four-way balloon catheter] Izumi H, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1277–85 (22 ref.) (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Thrombin inhibition by hirudin: how hirudin inhibits thrombin. Fenton JW 2d, et al. **Haemostasis** 1991;21 Suppl 1:27–31 (27 ref.)
Hirudin for diagnostic purposes. Stocker K. **Haemostasis** 1991;21 Suppl 1:161–7 (13 ref.)
Effect of low molecular weight heparin preparations on the inhibition of thrombin by heparin cofactor II. Tollefsen DM, et al. **Semin Thromb Hemost** 1990 Oct;16 Suppl:66–70 (17 ref.)

BIOSYNTHESIS

Mode of action of unfractionated and low molecular weight heparins on the generation of thrombin in plasma. Hemker HC, et al. **Haemostasis** 1990;20 Suppl 1:81–92 (58 ref.)

DRUG EFFECTS

Modulations of thrombin activity by polyelectrolytes in the presence of antithrombin III. Schiele J, et al. **Semin Thromb Hemost** 1991;17 Suppl 1:35–41 (17 ref.)

GENETICS

Thrombin-like venom enzymes: structure and function. Pirkle H, et al. **Adv Exp Med Biol** 1990;281:165–75 (101 ref.)

ISOLATION & PURIFICATION

Inventory of alpha- and beta-fibrinogenases from snake venoms. For the Subcommittee on Nomenclature of Exogenous Hemostatic Factors of the Scientific and Standardization Committee of the International Society on Thrombosis and Haemostasis. Markland FS Jr. **Thromb Haemost** 1991 Apr 8;65(4):438–43 (84 ref.)
Thrombin-like enzymes from snake venoms: an inventory. For the Subcommittee on Nomenclature of Exogenous Hemostatic Factors of the Scientific and Standardization Committee of the International Society on Thrombosis and Haemostasis. Pirkle H, et al. **Thromb Haemost** 1991 Apr 8;65(4):444–50 (94 ref.)

METABOLISM

Prothrombinase: recognition and developments. Seegers WH. **Adv Exp Med Biol** 1990;281:93–6 (0 ref.)

PHYSIOLOGY

The role of platelets, thrombin and hyperplasia in restenosis after coronary angioplasty. Ip JH, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):77B–88B (107 ref.)

THROMBOANGIITIS OBLITERANS

COMPLICATIONS

Acute myocardial infarction in a patient with Buerger's disease. A case report and a review of the literature. Kim KS, et al. **Korean J Intern Med** 1987 Jul;2(2):278–81 (14 ref.)

ETIOLOGY

[Risk factors in systemic vasculitis] Shilkina NP, et al. **Klin Med (Mosk)** 1990 Jul;68(7):20–5 (62 ref.) **(Rus)**

PHYSIOPATHOLOGY

Buerger's disease and inflammatory aspects of atherosclerosis. Lie JT. **Curr Opin Rheumatol** 1990 Feb;2(1):76–80 (12 ref.)

THROMBOCYTAPHERESIS see **PLATELETPHERESIS**

THROMBOCYTES see **BLOOD PLATELETS**

THROMBOCYTHEMIA, ESSENTIAL see **THROMBOCYTHEMIA, HEMORRHAGIC**

THROMBOCYTHEMIA, HEMORRHAGIC

Essential thrombocythemia. Schafer AI. **Prog Hemost Thromb** 1991;10:69–96 (190 ref.)

COMPLICATIONS

Primary thrombocythaemia in pregnancy. Beard J, et al. **Br J Haematol** 1991 Mar;77(3):371–4 (33 ref.)
[Neurologic complications of essential thrombocythemia. 6 cases (published erratum appears in Rev Neurol (Paris) 1991;147(4):273)] Labauge R, et al. **Rev Neurol (Paris)** 1991; 147(1):52–6 (27 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Therapy of essential thrombocythemia with alpha-interferon: results and prospects. Lazzarino M, et al. **Eur J Haematol Suppl** 1990;52:15–21 (41 ref.)

EPIDEMIOLOGY

Essential thrombocythemia: a retrospective study on the clinical course of 100 patients. Chistolini A, et al. **Haematologica** 1990 Nov-Dec;75(6):537–40 (14 ref.)

PATHOLOGY

[Essential thrombocythemia transformed to acute myeloblastic leukemia] Okuda M, et al. **Rinsho Ketsueki** 1990 Oct;31(10):1689–93 (14 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

The clinical spectrum of thrombocytosis and thrombocythemia. Frenkel EP. **Am J Med Sci** 1991 Jan; 301(1):69–80 (95 ref.)

THERAPY

Primary thrombocythaemia: diagnosis and management. Pearson TC. **Br J Haematol** 1991 Jun;78(2):145–8 (16 ref.)
[Role of alpha-interferon in the therapy of essential thrombocythemia] Lazzarino M, et al. **Haematologica** 1990 Jul-Aug;75 Suppl 4:41–7 (37 ref.) **(Ita)**

THROMBOCYTHEMIA, IDIOPATHIC see **THROMBOCYTHEMIA, HEMORRHAGIC**

THROMBOCYTHEMIA, PRIMARY see **THROMBOCYTHEMIA, HEMORRHAGIC**

THROMBOCYTOPATHY see **BLOOD PLATELET DISORDERS**

THROMBOCYTOPENIA

Immune thrombocytopenia in the perinatal period. Beardsley DS. **Semin Perinatol** 1990 Oct;14(5):368–73 (36 ref.)
Neonatal alloimmune thrombocytopenia. Levine AB, et al. **Semin Perinatol** 1991 Jun;15(3 Suppl 2):35–40 (32 ref.)

CHEMICALLY INDUCED

EDTA-dependent pseudothrombocytopenia: a clinical study of 18 patients and a review of the literature. Berkman N, et al. **Am J Hematol** 1991 Mar;36(3):195–201 (32 ref.)
Heparin-induced thrombocytopenia and thrombosis: reversal with streptokinase. A case report and review of literature. Mehta DP, et al. **Am J Hematol** 1991 Apr;36(4):275–9 (55 ref.)
Heparin-induced thrombocytopenia. Warkentin TE, et al. **Prog Hemost Thromb** 1991;10:1–34 (225 ref.)
[Heparin and blood platelets] Komarnicki M, et al. **Pol Tyg Lek** 1989 Oct 2–16;44(40–42):899–901 (34 ref.) **(Pol)**

COMPLICATIONS

Immune thrombocytopenia and May-Hegglin anomaly during pregnancy. Siddiqui T, et al. **J Fla Med Assoc** 1991 Feb;78(2):88–92 (29 ref.)
A case of POEMS syndrome associated with essential thrombocythaemia and dermal mastocytosis. Jackson A, et al. **Postgrad Med J** 1990 Sep;66(779):761–7 (52 ref.)
Ulcerative lesions and herpes simplex virus type 2 in a patient with Evan's syndrome. Wilson DC, et al. **South Med J** 1990 Dec;83(12):1484–6 (18 ref.)

[Lymph node toxoplasmosis, recurrent autoimmune thrombopenia and Hodgkin's disease (letter)] Hauteville D, et al. **Ann Med Interne (Paris)** 1990;141(8):710–2 (15 ref.) **(Fre)**

ETIOLOGY

Biochemical pharmacology of platelet-activating factor (and PAF antagonists) in relation to clinical and experimental thrombocytopenia. Meade CJ, et al. **Biochem Pharmacol** 1991 Mar 1;41(5):657–68 (121 ref.)

Chronic immune thrombocytopenia in sarcoidosis. Hisada M, et al. **Keio J Med** 1990 Dec;39(4):261–4 (27 ref.)

[Sarcoidosis associated with hemolytic anemia and autoimmune thrombocytopenia (letter)] Bourgain C, et al. **Ann Med Interne (Paris)** 1990;141(7):625–6 (9 ref.) **(Fre)**

[Biology and clinical course of idiopathic thrombocytopenia (primary)] Robak T. **Pol Tyg Lek** 1990 Dec 17–31; 45(51–52):1061–5 (34 ref.) **(Pol)**

IMMUNOLOGY

Immune haemolytic anaemia and thrombocytopenia: drugs and autoantibodies. Murphy WG, et al. **Biochem Soc Trans** 1991 Feb;19(1):183–6 (16 ref.)

[Immune neonatal thrombocytopenia] Tchernia G, et al. **Arch Fr Pediatr** 1991 May;48(5):355–61 (47 ref.) **(Fre)**

THERAPY

Neonatal uses of intravenous immunoglobulin. Bussel JB. **Am J Pediatr Hematol Oncol** 1990 Winter;12(4):505–9 (21 ref.)

Review on therapeutic options in HIV associated thrombocytopenia with emphasis on i.v. immunoglobulin treatment. Nydegger UE, et al. **Immunol Invest** 1991 Apr; 20(2):223–9 (23 ref.)

Recommendations for the evaluation and treatment of neonatal autoimmune and alloimmune thrombocytopenia. The Working Party on Neonatal Immune Thrombocytopenia of the Neonatal Hemostasis Subcommittee of the Scientific and Standardization Committee of the ISTH. Bussel J, et al. **Thromb Haemost** 1991 May 6;65(5):631–4 (38 ref.)

THROMBOCYTOSIS

PHYSIOPATHOLOGY

The clinical spectrum of thrombocytosis and thrombocythemia. Frenkel EP. **Am J Med Sci** 1991 Jan; 301(1):69–80 (95 ref.)

THROMBOEMBOLISM

BLOOD

The fibrinolytic enzyme system and its role in the etiology of thromboembolic disease. Wiman B, et al. **Semin Thromb Hemost** 1990 Jul;16(3):207–16 (92 ref.)

CHEMICALLY INDUCED

[Ovulation inhibitors: the significance of estrogen dose] Kuhl H. **Geburtshilfe Frauenheilkd** 1990 Dec;50(12):910–22 (113 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Perioperative stroke. Part II: Cardiac surgery and cardiogenic embolic stroke. Wong DH. **Can J Anaesth** 1991 May;38(4 Pt 1):471–88 (202 ref.)

DIAGNOSIS

Monoclonal antibodies for the detection of thrombosis. Gaffney PJ, et al. **Adv Exp Med Biol** 1990;281:419–27 (39 ref.)

[Value of the plasma measurement of D-dimers in the diagnosis of venous thromboembolism] Bounameaux H, et al. **J Mal Vasc** 1991;16(2):133–6 (14 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Thrombolytic therapy for noncoronary diseases. Sherry S. **Ann Emerg Med** 1991 Apr;20(4):396–404 (96 ref.)

Thrombolytic therapy for venous thromboembolism. Goldhaber SZ. **Baillieres Clin Haematol** 1990 Jul; 3(3):693–704 (31 ref.)

Anticoagulant therapy in venous thromboembolism. Hirsh J. **Baillieres Clin Haematol** 1990 Jul;3(3):685–92 (37 ref.)

Therapy of acute thromboembolism with heparin and warfarin. Carter BL. **Clin Pharm** 1991 Jul;10(7):503–18 (143 ref.)

Fifty years of progress with antithrombotic drugs—with much more to come: a perspective. Sherry S. **J Intern Med** 1991 Feb;229(2):113–6 (14 ref.)

Thromboembolism prophylaxis. Choosing the proper method for surgical patients. Corapi MJ, et al. **Postgrad Med** 1991 Aug;90(2):233–40 (15 ref.)

Replacement therapy in patients with hereditary antithrombin III deficiency. Menache D. **Semin Hematol** 1991 Jan;28(1):31–8 (23 ref.)

Antithrombin III replacement therapy in pregnancy. Owen J. **Semin Hematol** 1991 Jan;28(1):46–52 (42 ref.)

[Thromboxane antagonists] Hof-Mussler S. **Med Monatsschr Pharm** 1991 Apr;14(4):98–9 (2 ref.) **(Ger)**

[Thrombolytic therapy of thromboembolic occlusive diseases of major arteries of the lower extremities] Rodionov SV, et al. **Vestn Khir** 1990 May;144(5):129–33 (40 ref.) **(Rus)**

ETIOLOGY

Hereditary protein C deficiency: a review of the genetics, clinical presentation, diagnosis and treatment. Marlar RA, et al. **Blood Coagul Fibrinolysis** 1990 Aug;1(3):319–30 (112 ref.)

Orthopedic complications. Compartment syndrome, fat embolism syndrome, and venous thromboembolism. Slye DA. **Nurs Clin North Am** 1991 Mar;26(1):113–32 (58 ref.)

[Atrial fibrillation—thromboembolism and prevention] Petersen P, et al. **Ugeskr Laeger** 1991 Jul 22;153(30):2105–7 (30 ref.) (Eng. Abstr.) **(Dan)**

[Recurrent venous thromboembolism caused by heparin cofactor II deficiency. A case] Schved JF, et al. **Presse Med** 1991 Jul 6–13;20(26):1211–4 (11 ref.) (Eng. Abstr.) **(Fre)**

[Clinical and pathophysiological aspects of thromboembolic phenomena in cancer] Sheran A, et al. **Harefuah** 1990 Aug; 119(3–4):89–93 (40 ref.) **(Heb)**

[Usefulness of echocardiography in the diagnosis of the causes of arterial embolism] Drążkiewicz T, et al. **Pol Tyg Lek** 1990 Nov 5–12;45(45–46):934–5 (13 ref.) **(Pol)**

[Thromboembolism and blood coagulation in congestive heart failure] Serbin VI, et al. **Pediatriia** 1991;(2):92–7 (77 ref.) **(Rus)**

GENETICS

Clinical aspects of antithrombin III deficiency. Hathaway WE. **Semin Hematol** 1991 Jan;28(1):19–23 (68 ref.)

PREVENTION & CONTROL

An overview of venous thromboembolism prophylaxis. Silver D. **Am J Surg** 1991 Apr;161(4):537–40 (24 ref.)

Prophylaxis against venous thromboembolism in surgical patients. Wheeler HB, et al. **Am J Surg** 1991 Apr; 161(4):507–11 (32 ref.)

Anticoagulants in the prevention of venous thromboembolism. Gallus AS. **Baillieres Clin Haematol** 1990 Jul;3(3):651–84 (133 ref.)

Prophylaxis of postoperative thromboembolism. Wille-Jørgensen P. **Dan Med Bull** 1991 Jun;38(3):203–28 (400 ref.)

Prophylaxis of venous thromboembolism. Kakkar VV, et al. **World J Surg** 1990 Sep–Oct;14(5):670–8 (104 ref.)

[The risk of thromboembolism in prosthetic surgery of the hip, and its prevention by administration of individualized heparin dosages] Hernandez-Vaquero D. **Acta Orthop Belg** 1990;56(2):445–50 (41 ref.) (Eng. Abstr.) **(Fre)**

[Prevention of venous thrombosis in surgery] Cornu P. **Agressologie** 1990 Mar;31(3):131–5 (13 ref.) (Eng. Abstr.) **(Fre)**

[Spinal anesthesia and prevention of thrombosis by heparin] Louville Y, et al. **Agressologie** 1990 Mar;31(3):160–3 (49 ref.) (Eng. Abstr.) **(Fre)**

[Perioperative prevention of thromboembolism in neurosurgery] Moskopp D, et al. **Neurochirurgia (Stuttg)** 1990 Sep;33(5):137–45 (153 ref.) (Eng. Abstr.) **(Ger)**

[Current status of preventive drug therapy of thromboembolic arterial vascular diseases] Hoffmann W. **Z Arztl Fortbild (Jena)** 1990;84(16):837–40 (12 ref.) **(Ger)**

[Management with antithrombin III concentrate in a pregnant woman with hereditary antithrombin III deficiency] Higuchi M, et al. **Rinsho Ketsueki** 1990 Sep;31(9):1544–7 (17 ref.) (Eng. Abstr.) **(Jpn)**

[New options in the prevention and treatment of thromboembolic disease: low-molecular-weight heparins] Sureda A, et al. **Sangre (Barc)** 1990 Oct;35(5):389–96 (52 ref.) **(Spa)**

THERAPY

Thromboembolism and its management in pregnancy. Jeffries WS, et al. **Med J Aust** 1991 Aug 19;155(4):253–8 (106 ref.)

ULTRASONOGRAPHY

Contemporary venous imaging. Cronan JJ. **Cardiovasc Intervent Radiol** 1991 Mar–Apr;14(2):87–97 (43 ref.)

THROMBOLYSIN see **FIBRINOLYSIN**

THROMBOLYSIS, THERAPEUTIC see **THROMBOLYTIC THERAPY**

THROMBOLYTIC AGENTS see **FIBRINOLYTIC AGENTS**

THROMBOLYTIC THERAPY

New developments in thrombolytic therapy. Collen D, et al. **Adv Exp Med Biol** 1990;281:333–54 (105 ref.)

Thrombolytic therapy. Quiñones-Baldrich WJ, et al. **Adv Surg** 1991;24:103–37 (89 ref.)

Recombinant tissue-type plasminogen activator: current concepts and guidelines for clinical use in acute myocardial infarction. Part I. Becker RC, et al. **Am Heart J** 1991 Jan; 121(1 (Pt 1)):220–44 (127 ref.)

Adjunctive use of beta-adrenergic blockers, calcium antagonists and other therapies in coronary thrombolysis. Becker RC, et al. **Am J Cardiol** 1991 Jan 25;67(3):25A–31A (101 ref.)

Thrombosis and thrombolysis in unstable angina. Brochier ML, et al. **Am J Cardiol** 1991 Sep 3;68(7):105B–109B (38 ref.)

Thrombolysis in refractory unstable angina. Brunelli C, et al. **Am J Cardiol** 1991 Sep 3;68(7):110B–118B (40 ref.)

Role of new anticoagulants as adjunctive therapy during thrombolysis. Eisenberg PR. **Am J Cardiol** 1991 Jan 25; 67(3):19A–24A (48 ref.)

Thrombolysis in postinfarction angina. Ouyang P, et al. **Am J Cardiol** 1991 Sep 3;68(7):119B–124B (36 ref.)

Heparin as an adjunctive treatment after thrombolytic therapy for acute myocardial infarction. Prins MH, et al. **Am J Cardiol** 1991 Jan 25;67(3):3A–11A (29 ref.)

Thrombolysis in unstable angina: results of clinical studies. Scrutinio D, et al. **Am J Cardiol** 1991 Sep 3;68(7):99B–104B (53 ref.)

Antiplatelet and antithrombotic therapy in unstable angina. Théroux P. **Am J Cardiol** 1991 Sep 3;68(7):92B–98B (40 ref.)

Integration of anticoagulation, thrombolysis and coronary angioplasty for unstable angina pectoris. Topol EJ. **Am J Cardiol** 1991 Sep 3;68(7):136B–141B (36 ref.)

Role of new antiplatelet agents as adjunctive therapies in thrombolysis. Willerson JT, et al. **Am J Cardiol** 1991 Jan 25;67(3):12A–18A (20 ref.)

Edgar J Poth lecture. Pathogenesis, diagnosis, and treatment of thrombosis. Thomas JH. **Am J Surg** 1990 Dec; 160(6):547–51 (40 ref.)

Thrombolytic therapy for noncoronary diseases. Sherry S. **Ann Emerg Med** 1991 Apr;20(4):396–404 (96 ref.)

Adjuncts to thrombolysis for myocardial reperfusion. Popma JJ, et al. **Ann Intern Med** 1991 Jul 1;115(1):34–44 (100 ref.)

Coronary angiography after thrombolytic therapy for acute myocardial infarction. Topol EJ, et al. **Ann Intern Med** 1991 May 15;114(10):877–85 (82 ref.)

Aspirin and thrombolytic therapy in the management of acute myocardial infarction. Hockings B. **Aust Fam Physician** 1990 Jul;19(7):1003, 1006–9 (13 ref.)

Fibrinolytic therapy in coronary artery disease. Gill JB, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):745–79 (113 ref.)

Thrombolytic therapy for venous thromboembolism. Goldhaber SZ. **Baillieres Clin Haematol** 1990 Jul; 3(3):693–704 (31 ref.)

Anticoagulant therapy in venous thromboembolism. Hirsh J. **Baillieres Clin Haematol** 1990 Jul;3(3):685–92 (37 ref.)

Antithrombotic therapy for coronary artery disease and valvular heart disease. Israel DH, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):705–43 (121 ref.)

Clinical potential of low molecular weight heparins. Levine MN, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):545–54 (37 ref.)

Antithrombotic treatment of cerebrovascular disease. Oczkowski WJ, et al. **Baillieres Clin Haematol** 1990 Jul; 3(3):781–813 (103 ref.)

Late potentials as predictors of risk after thrombolytic treatment? [published erratum appears in Br Heart J 1991 Feb;65(2):113] Breithardt G, et al. **Br Heart J** 1990 Sep; 64(3):174–6 (33 ref.)

Thrombolytic therapy in peripheral vascular disease. Hess H. **Br J Surg** 1990 Oct;77(10):1083–4 (7 ref.)

Thrombolytic therapy: state of the art. Guerci AD. **Cardiologia** 1991 Jan;36(1):11–7 (34 ref.)

Seminars in thrombosis, thrombolysis, and vascular biology. Part 2: Coagulation and thrombosis. Becker RC. **Cardiology** 1991;78(3):257–66 (60 ref.)

Seminars in thrombosis, thrombolysis and vascular biology. 1. The vascular endothelium. Becker RC. **Cardiology** 1991; 78(1):13–22 (54 ref.)

The role of beta-receptor and calcium-entry-blocking agents in acute myocardial infarction in the thrombolytic era: can the results of thrombolytic reperfusion be enhanced? [editorial] Lavie CJ, et al. **Cardiovasc Drugs Ther** 1988 Dec; 2(5):601–7 (36 ref.)

Thrombolytic therapy for stroke. Brott T. **Cerebrovasc Brain Metab Rev** 1991 Summer;3(2):91–113 (172 ref.)

Recent advances in the diagnosis and lytic therapy of pulmonary embolism. Goldhaber SZ. **Chest** 1991 Apr;99(4 Suppl):173S–179S (28 ref.)

Laboratory parameters to monitor safety and efficacy during thrombolytic therapy. Hirsch DR, et al. **Chest** 1991 Apr; 99(4 Suppl):113S–120S (48 ref.)

The pharmacology of aspirin, heparin, coumarin, and thrombolytic agents. Implications for therapeutic use in cardiopulmonary disease. Kessler CM. **Chest** 1991 Apr;99(4 Suppl):97S–112S (67 ref.)

Bolus, front-loaded, and accelerated thrombolytic infusions for myocardial infarction and pulmonary embolism. Levine MN. **Chest** 1991 Apr;99(4 Suppl):128S–134S (42 ref.)

Doppler ultrasound of the deep leg veins. A revolution in the diagnosis of deep vein thrombosis and monitoring of thrombolysis. Polak JF. **Chest** 1991 Apr;99(4 Suppl):165S–172S (34 ref.)

Principles of thrombolysis in pulmonary embolism. Prewitt RM. **Chest** 1991 Apr;99(4 Suppl):157S–164S (17 ref.)
Thrombolysis in acute myocardial infarction. Tognoni G, et al. **Chest** 1991 Apr;99(4 Suppl):121S–127S (63 ref.)
Left ventricular ejection fraction may not be useful as an end point of thrombolytic therapy comparative trials. Califf RM, et al. **Circulation** 1990 Nov;82(5):1847–53 (47 ref.)
Radionuclide assessment of infarct size and left ventricular function in clinical trials of thrombolysis. Cerqueira MD, et al. **Circulation** 1991 Sep;84(3 Suppl):I100–8 (42 ref.)
Antithrombotic therapy in the coronary vein graft patient. Israel DH, et al. **Clin Cardiol** 1991 Apr;14(4):283–95 (76 ref.)
Management of the patient following coronary thrombolysis. Massel D, et al. **Clin Cardiol** 1990 Sep;13(9):591–609 (254 ref.)
Therapy of acute thromboembolism with heparin and warfarin. Carter BL. **Clin Pharm** 1991 Jul;10(7):503–18 (143 ref.)
Update: current role of thrombolytic therapy. Anderson JL. **Compr Ther** 1991 May;17(5):51–8 (27 ref.)
The controversy of heparin therapy as an adjunct to thrombolysis in acute myocardial infarction. Chow MS, et al. **DICP** 1991 Jun;25(6):613–6 (34 ref.)
Thrombolysis: adjuvant therapy and the role of complement. Fox KA. **Eur Heart J** 1990 Aug;11 Suppl F:36–42 (25 ref.)
The role of intervention following thrombolysis for acute myocardial infarction. Hillis WS. **Eur Heart J** 1990 Aug; 11 Suppl F:56–60 (18 ref.)
Blood viscosity and platelet function in thrombolytic therapy of acute myocardial infarction. Hoffmann JJ. **Eur Heart J** 1990 Aug;11 Suppl F:29–35 (51 ref.)
In vivo models of arterial thrombosis and thrombolysis. Bush LR, et al. **FASEB J** 1990 Oct;4(13):3087–98 (59 ref.)
Clinical management of patients receiving thrombolytic therapy. Daily EK. **Heart Lung** 1991 Sep;20(5 Pt 2):552–65 (67 ref.)
Limitations of thrombolytic therapy for acute myocardial infarction complicated by congestive heart failure and cardiogenic shock. Bates ER, et al. **J Am Coll Cardiol** 1991 Oct;18(4):1077–84 (93 ref.)
Clinical trials: current status and recommendations. Clagett GP. **J Vasc Surg** 1991 May;13(5):761–3 (16 ref.)
Coronary thrombolysis for the elderly? Gurwitz JH, et al. **JAMA** 1991 Apr 3;265(13):1720–3 (45 ref.)
Thrombolytic therapy in acute MI. Weighing the risks and benefits. Ro KG, et al. **Postgrad Med** 1990 Dec;88(8):79–80, 83–6, 89–90 passim (28 ref.)
Thrombosis, fibrinolysis, and thrombolytic therapy: a perspective. Sherry S, et al. **Prog Cardiovasc Dis** 1991 Sep–Oct;34(2):89–100 (177 ref.)
Fibrinolytic therapy: biochemical mechanisms. Robbins KC. **Semin Thromb Hemost** 1991 Jan;17(1):1–6 (34 ref.)
Thrombolysis in arterial bypass grafts. Van Breda A. **Semin Thromb Hemost** 1991 Jan;17(1):7–13 (65 ref.)
[Acute myocardial infarction: immediate coronary angioplasty for failure or contra-indications of thrombolytic therapy. Apropos of a series of 100 cases] Mossard JM, et al. **Arch Mal Coeur Vaiss** 1991 Apr; 84(4):469–75 (30 ref.) (Eng. Abstr.) **(Fre)**
[The treatment of deep venous thrombosis. Thrombolysis vs heparin] Schmutzler R. **Phlebologie** 1990 Nov–Dec; 43(4):656–65; discussion 666 (0 ref.) (Eng. Abstr.) **(Fre)**
[Preclinical lysis in acute myocardial infarct. A determination of its place] Trenkwalder P, et al. **Dtsch Med Wochenschr** 1991 Jun 21;116(25):992–5 (24 ref.) **(Ger)**
[Thrombolysis in acute myocardial infarct. An established therapy with open questions] Baumann PC. **Schweiz Med Wochenschr** 1991 Apr 6;121(14):493–500 (52 ref.) (Eng. Abstr.) **(Ger)**
[Thrombolytic therapy in deep vein thrombosis] Markel A, et al. **Harefuah** 1991 Feb 15;120(4):203–6 (52 ref.) **(Heb)**
[Recombinant DNA technology in thrombolytic therapy: tissue-type plasminogen activator] Mazza P. **Boll Chim Farm** 1991 Mar;130(3):105–7 (5 ref.) **(Ita)**
[Thrombolytics in acute myocardial infarct: which ones, for whom, when?] Chiariello M, et al. **Cardiologia** 1990 Jul; 35(7):533–42 (81 ref.) **(Ita)**
[Thrombolytic therapy in unstable angina: a critical review] Meplini P, et al. **G Ital Cardiol** 1990 Dec;20(12):1150–4 (61 ref.) **(Ita)**
[Antithrombotic therapy in geriatrics] Matsuda T. **Nippon Ronen Igakkai Zasshi** 1991 Mar;28(2):140–4 (4 ref.) **(Jpn)**
[Strategies of reperfusion in developing infarct] Zago AJ, et al. **Arq Bras Cardiol** 1990 Nov;55(5):329–38 (41 ref.) **(Por)**
[Plasminogen activators as thrombolytic agents in myocardial infarction] Chamone DA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1989 Nov–Dec; 44(6):288–94 (40 ref.) (Eng. Abstr.) **(Por)**
[Status of the coronary arteries after thrombolytic therapy of myocardial infarction] Savchenko AP. **Klin Med (Mosk)** 1991 Jan;69(1):13–6 (40 ref.) **(Rus)**
[Thrombolysis and transluminal coronary angioplasty in acute myocardial infarction. Report of the Ischemic Cardiopathy Section of the Spanish Society of Cardiology] **Rev Esp Cardiol** 1990 Oct;43(8):519–26 (0 ref.) **(Spa)**
[The current indications for antithrombotic treatment in valve disease] del Río del Busto A, et al. **Rev Esp Cardiol** 1991 Mar;44(3):190–202 (89 ref.) **(Spa)**
[Coronary angioplasty in acute coronary syndrome] Martínez Elbal L, et al. **Rev Port Cardiol** 1990 May;9(5):463–70 (34 ref.) (Eng. Abstr.) **(Spa)**
[Reocclusion following thrombolytic treatment in acute myocardial infarct] Modin G, et al. **Nord Med** 1991; 106(1):4–7 (15 ref.) (Eng. Abstr.) **(Swe)**

ADVERSE EFFECTS

Side-effects of antithrombotic therapy. Levine MN, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):815–29 (66 ref.)
Reperfusion arrhythmias after thrombolysis. Electrophysiologic tempest, or much ado about nothing. Krumholz HM, et al. **Chest** 1991 Apr;99(4 Suppl):135S–140S (51 ref.)
Toxic effects of drugs used in the ICU. Anticoagulants and thrombolytics. Risks and benefits. Guidry JR, et al. **Crit Care Clin** 1991 Jul;7(3):533–54 (162 ref.)
Haemorrhagic aspects of thrombolytic therapy. Samama M. **Eur Heart J** 1990 Aug;11 Suppl F:15–8 (23 ref.)

METHODS

Thrombolytic therapy in the management of acute limb ischaemia. Earnshaw JJ. **Br J Surg** 1991 Mar;78(3):261–9 (136 ref.)
Reperfusion adjunctive therapy. Cairns JA. **Chest** 1991 Apr; 99(4 Suppl):141S–149S (63 ref.)
[Thrombolytic therapy of thromboembolic occlusive diseases of major arteries of the lower extremities] Rodionov SV, et al. **Vestn Khir** 1990 May;144(5):129–33 (40 ref.) **(Rus)**

STANDARDS

Coronary artery thrombolysis: comparison of approved agents. Porter RS, et al. **Am Fam Physician** 1991 Aug; 44(2):591–8 (29 ref.)
Clinical controversies surrounding thrombolytic therapy in acute myocardial infarction. Kline EM. **Heart Lung** 1990 Nov;19(6):596–601 (35 ref.)
Pivotal role of early and sustained infarct vessel patency in patients with acute myocardial infarction. Topol EJ, et al. **Heart Lung** 1990 Nov;19(6):583–93 (84 ref.)
Thrombolytic therapy for acute myocardial infarction in the 1990s. Effron MB, et al. **Md Med J** 1991 Jun;40(6):485–91 (42 ref.)
Towards better thrombolytic therapy. Collen D, et al. **Prog Cardiovasc Dis** 1991 Sep–Oct;34(2):101–12 (94 ref.)

TRENDS

[The current aspects of antithrombotic therapy] Bücharova V. **Vutr Boles** 1990;29(3):14–20 (36 ref.) **(Bul)**
[Systemic thrombolysis in acute myocardial infarct. The physiopathological bases, current status, problems and prospects] Davi R. **Clin Ter** 1990 Dec 31;135(6):417–64 (250 ref.) (Eng. Abstr.) **(Ita)**
[Pharmacological basis of thrombolytic therapy] Kleking GP, et al. **Klin Med (Mosk)** 1990 Jun;68(6):13–9 (37 ref.) **(Rus)**

UTILIZATION

Selection of patients with acute myocardial infarction for thrombolytic therapy [see comments] Muller DW, et al. **Ann Intern Med** 1990 Dec 15;113(12):949–60 (107 ref.) Comment in: Ann Intern Med 1990 Dec 15;113(12):907–8. Comment in: Ann Intern Med 1991 Mar 15;114(6):521.

THROMBOPENIA see **THROMBOCYTOPENIA**

THROMBOPHLEBITIS

see related
VENA CAVA FILTERS

Deep venous thrombosis: recent advances in pathogenesis and treatment. Nadrowski LF. **Surg Annu** 1991;23 Pt 1:147–73 (173 ref.)
Deep venous thrombosis in the surgical intensive care unit. Hoyt DB, et al. **Surg Clin North Am** 1991 Aug;71(4):811–30 (77 ref.)

BLOOD

Biochemical aspects of the pathogenesis of venous thrombosis. Felez J. **Acta Chir Scand Suppl** 1990;556:9–17 (36 ref.)
A critical review of the evidence supporting a relationship between impaired fibrinolytic activity and venous thromboembolism. Prins MH, et al. **Arch Intern Med** 1991 Sep;151(9):1721–31 (94 ref.)

CHEMICALLY INDUCED

Heparin-induced thrombocytopenia and thrombosis: reversal with streptokinase. A case report and review of literature. Mehta DP, et al. **Am J Hematol** 1991 Apr;36(4):275–9 (55 ref.)

DIAGNOSIS

Noninvasive diagnosis of deep venous thrombosis. Satiani B, et al. **Am Fam Physician** 1991 Aug;44(2):569–74 (15 ref.)
Physiological considerations in imaging of lower extremity venous thrombosis. Chaudhuri TK, et al. **Am J Physiol Imaging** 1991;6(2):90–104 (88 ref.)
An overview of noninvasive methods of deep vein thrombosis detection. Hayt DB, et al. **Clin Imaging** 1990 Aug; 14(3):179–97 (65 ref.)
Diagnosis of deep vein thrombosis. Bergqvist D, et al. **World J Surg** 1990 Sep–Oct;14(5):679–87 (102 ref.)
[Can ultrasonic scanning replace phlebography in the diagnosis of deep thrombophlebitis of the leg?] Mantoni MY. **Ugeskr Laeger** 1990 Oct 15;152(42):3054–6 (24 ref.) (Eng. Abstr.) **(Dan)**
[The use of imaging techniques in the diagnosis of deep venous thrombosis of the legs] Teller P, et al. **Rontgenpraxis** 1991 May;44(5):137–45 (40 ref.) **(Ger)**
[Diagnosis of deep leg vein thrombosis--can we dispense with phlebography?] Jung M. **Vasa Suppl** 1990;30:30–3 (23 ref.) **(Ger)**

DRUG THERAPY

Use of plasminogen activators in venous thrombosis. Hirsh J, et al. **World J Surg** 1990 Sep–Oct;14(5):688–93 (35 ref.)
[Treatment of established venous thrombosis with low molecular weight heparins. A critical review] Bounameaux H. **J Mal Vasc** 1991;16(2):129–32 (14 ref.) (Eng. Abstr.) **(Fre)**
[Low molecular weight heparins in everyday practice] Horellou MH, et al. **J Mal Vasc** 1991;16(2):179–83 (12 ref.) (Eng. Abstr.) **(Fre)**
[Round table on the treatment of deep venous thrombosis. Review of the international literature] Potron G. **Phlebologie** 1990 Nov–Dec;43(4):637–42 (0 ref.) **(Fre)**
[The treatment of deep venous thrombosis. Thrombolysis vs heparin] Schmutzler R. **Phlebologie** 1990 Nov–Dec; 43(4):656–65; discussion 666 (0 ref.) (Eng. Abstr.) **(Fre)**
[What is guaranteed in fibrinolytic therapy of deep venous thrombosis? (published erratum appears in Internist (Berl) 1991 Feb;32(2):108)] Seifried E. **Internist (Berl)** 1990 Nov; 31(11):689–97 (40 ref.) **(Ger)**
[Thrombolytic treatment of venous thrombosis] Straub H. **Verh Dtsch Ges Inn Med** 1990;96:343–54 (50 ref.) **(Ger)**
[Thrombolytic therapy in deep vein thrombosis] Markel A, et al. **Harefuah** 1991 Feb 15;120(4):203–6 (52 ref.) **(Heb)**

ETIOLOGY

Pre-surgical identification of the patient at risk for developing venous thromboembolism post-operatively. Brandjes DP, et al. **Acta Chir Scand Suppl** 1990;556:18–21 (16 ref.)
A comparison of general anesthesia and regional anesthesia as a risk factor for deep vein thrombosis following hip surgery: a critical review. Prins MH, et al. **Thromb Haemost** 1990 Dec 28;64(4):497–500 (36 ref.)
[Peripheral arterial occlusive disease and acute deep venous thrombosis--when and how to treat?] Heidrich H. **Verh Dtsch Ges Inn Med** 1990;96:112–7 (19 ref.) **(Ger)**

GENETICS

The molecular genetics of familial venous thrombosis. Cooper DN. **Blood Rev** 1991 Mar;5(1):55–70 (177 ref.)

IMMUNOLOGY

[The role of anticardiolipin antibodies in the pathogenesis of arterial and venous thromboses] Eber B. **Acta Med Austriaca** 1990;17(4):67–70 (45 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Prevention of venous thrombosis in patients undergoing major orthopaedic surgical procedures. Hirsh J. **Acta Chir Scand Suppl** 1990;556:30–5 (40 ref.)
Benefits of prophylaxis in general surgery. Nicolaides AN. **Acta Chir Scand Suppl** 1990;556:25–9 (45 ref.)
Rationale for development of low-molecular-weight heparins and their clinical potential in the prevention of postoperative venous thrombosis. Hirsh J. **Am J Surg** 1991 Apr;161(4):512–8 (73 ref.)
Efficacy of a postoperative regimen of enoxaparin in deep vein thrombosis prophylaxis. Turpie AG. **Am J Surg** 1991 Apr;161(4):532–6 (24 ref.)
Low molecular weight heparins: an emerging new class of glycosaminoglycan antithrombotics. Freedman MD. **J Clin Pharmacol** 1991 Apr;31(4):298–306 (92 ref.)
Setting the record straight on low-dose heparin. Shulman AG. **Lancet** 1991 Sep 7;338(8767):619–20 (26 ref.)
Prevention of deep venous thrombosis and pulmonary embolism in surgical patients. Halperin JL. **Mt Sinai J Med** 1991 Jan;58(1):28–33 (34 ref.)
Prophylaxis of venous thrombosis following total hip and total knee replacement using antithrombin III and heparin. Francis CW, et al. **Semin Hematol** 1991 Jan;28(1):39–45 (54 ref.)
[Thromboembolic disease in obstetrics. Current concepts] Grio R, et al. **Minerva Ginecol** 1990 Sep;42(9):341–4 (17 ref.) (Eng. Abstr.) **(Ita)**

SURGERY

Surgical treatment of acute deep venous thrombosis. Lord RS, et al. **World J Surg** 1990 Sep–Oct;14(5):694–702 (99 ref.)

THERAPY

Acute venous thrombosis. Therapeutic choices for superficial

and deep veins. Messmore HL, et al. **Postgrad Med** 1991 May 15;89(7):73–7 (15 ref.)
[Therapy of deep venous thrombosis of the leg] Partsch H. **Z Hautkr** 1990 Nov;65(11):979–81 (9 ref.) **(Ger)**

ULTRASONOGRAPHY

Doppler ultrasound of the deep leg veins. A revolution in the diagnosis of deep vein thrombosis and monitoring of thrombolysis. Polak JF. **Chest** 1991 Apr;99(4 Suppl):165S–172S (34 ref.)
Ultrasound diagnosis of lower limb deep venous thrombosis. Fletcher JP, et al. **Med J Aust** 1990 Oct 15;153(8):453–5 (30 ref.)
Techniques for color flow sonography of the lower extremity. Knighton RA, et al. **Radiographics** 1990 Sep; 10(5):775–86 (6 ref.)
[Color coded Doppler angiography in peripheral arterial and venous vascular diagnosis] Mörz B, et al. **Vasa Suppl** 1990; 30:41–2 (18 ref.) **(Ger)**

THROMBOPLASTIN

ANTAGONISTS & INHIBITORS

Regulation of coagulation by a multivalent Kunitz-type inhibitor. Broze GJ Jr, et al. **Biochemistry** 1990 Aug 21; 29(33):7539–46 (97 ref.)
The lipoprotein-associated coagulation inhibitor. Broze GJ Jr, et al. **Prog Hemost Thromb** 1991;10:243–68 (131 ref.)

METABOLISM

Prothrombinase: recognition and developments. Seegers WH. **Adv Exp Med Biol** 1990;281:93–6 (0 ref.)

PHYSIOLOGY

The initiation of the tissue factor dependent pathway of blood coagulation. Rapaport SI. **Adv Exp Med Biol** 1990; 281:97–103 (12 ref.)
Regulation of the tissue factor pathway. Rapaport SI. **Ann N Y Acad Sci** 1991;614:51–62 (43 ref.)
Is the WKS motif the tissue-factor binding site for coagulation factor VII? Andrews BS. **Trends Biochem Sci** 1991 Jan;16(1):31–6 (45 ref.)

THROMBOPLASTINOGEN see **FACTOR VIII**

THROMBOPOIETIN

PHYSIOLOGY

Is thrombopoietin interleukin 6? Williams N. **Exp Hematol** 1991 Aug;19(7):714–8 (60 ref.)
Role of thrombopoietin in controlling blood platelet production. McDonald TP, et al. **Prog Clin Biol Res** 1990; 356:219–30 (21 ref.)

THROMBOSIS

Edgar J Poth lecture. Pathogenesis, diagnosis, and treatment of thrombosis. Thomas JH. **Am J Surg** 1990 Dec; 160(6):547–51 (40 ref.)
Seminars in thrombosis, thrombolysis and vascular biology. 1. The vascular endothelium. Becker RC. **Cardiology** 1991; 78(1):13–22 (54 ref.)
An in vivo model of experimental arterial stenosis, intimal damage, and periodic thrombosis. Folts J. **Circulation** 1991 Jun;83(6 Suppl):IV3–14 (55 ref.)
Experimental arterial thrombosis in nonhuman primates. Harker LA, et al. **Circulation** 1991 Jun;83(6 Suppl):IV41–55 (58 ref.)
Acute thrombosis of the renal transplant artery: a case report and review of the literature. Groggel GC. **Clin Nephrol** 1991 Jul;36(1):42–5 (15 ref.)
Amniotic and thromboembolism. Chatelain SM, et al. **Clin Obstet Gynecol** 1990 Sep;33(3):473–81 (18 ref.)
Guidelines on the investigation and management of thrombophilia. The British Committee for Standards in Haematology. **J Clin Pathol** 1990 Sep;43(9):703–9 (43 ref.)
Thrombosis, fibrinolysis, and thrombolytic therapy: a perspective. Sherry S, et al. **Prog Cardiovasc Dis** 1991 Sep–Oct;34(2):89–100 (177 ref.)

BLOOD

Searching for the thrombogenic mechanism(s) of fibrinogen. Di Minno G, et al. **Thromb Res Suppl** 1990;11:61–7 (48 ref.)
[Molecular markers of thrombosis and their clinical significance] Pan JY, et al. **Chung Hua Nei Ko Tsa Chih** 1990 Jul;29(7):395–7 (18 ref.) **(Chi)**
[The mysteries of lipoprotein (a): a bridge between thrombosis and atheroma] Hachulla E, et al. **Rev Med Interne** 1991 May–Jun;12(3):192–7 (26 ref.) (Eng. Abstr.) **(Fre)**
[New drugs for the inhibition of the pro-thrombotic effects of prostaglandins and thromboxane A2] Patscheke H. **Verh Dtsch Ges Inn Med** 1990;96:696–702 (13 ref.) **(Ger)**

CHEMICALLY INDUCED

The adverse effects of recombinant human erythropoietin therapy. Wong KC, et al. **Adverse Drug React Acute Poisoning Rev** 1990 Winter; 9(4):183–206 (113 ref.)
A hematologist's view of contrast media, clotting in angiography syringes and thrombosis during coronary angiography. Grabowski EF. **Am J Cardiol** 1990 Oct 26; 66(14):23F–25F (17 ref.)
Prothrombinex-induced thrombosis and its management with regional plasminogen activator in hepatic failure. Anderson BJ, et al. **Med J Aust** 1990 Sep 17;153(6):352, 355–6 (10 ref.)
[The antibaby pill as a risk factor for thrombosis: are the molecular mechanisms known?] Nawroth PP, et al. **Klin Wochenschr** 1991 May 24;69(8):335–9 (34 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Popliteal venous aneurysms with or without pulmonary embolism. Helsted M, et al. **Eur J Vasc Surg** 1991 Jun; 5(3):333–42 (18 ref.)

DIAGNOSIS

Monoclonal antibodies for the detection of thrombosis. Gaffney PJ, et al. **Adv Exp Med Biol** 1990;281:419–27 (39 ref.)
Effort thrombosis of the axillosubclavian vein: a disabling vascular disorder. Machleder HI. **Compr Ther** 1991 May; 17(5):18–24 (14 ref.)
Diagnosis and management of thromboses in the perinatal period. Manco-Johnson MJ. **Semin Perinatol** 1990 Oct; 14(5):393–402 (126 ref.)
[Deep venous thrombosis of the lower limbs: the role of non-invasive diagnostic methods] Zufferey P. **Rev Med Suisse Romande** 1991 Mar;111(3):235–9 (16 ref.) **(Fre)**

DRUG THERAPY

Thrombolytic therapy. Quiñones-Baldrich WJ, et al. **Adv Surg** 1991;24:103–37 (89 ref.)
Obstructed central venous catheters. Restoring function with a 12-hour infusion of low-dose urokinase. Haire WD, et al. **Cancer** 1990 Dec 1;66(11):2279–85 (39 ref.)
Seminars in thrombosis, thrombolysis, and vascular biology. Part 2: Coagulation and thrombosis. Becker RC. **Cardiology** 1991;78(3):257–66 (60 ref.)
In vivo models of arterial thrombosis and thrombolysis. Bush LR, et al. **FASEB J** 1990 Oct;4(13):3087–98 (59 ref.)
Thromboxane synthase inhibitors, thromboxane receptor antagonists and dual blockers in thrombotic disorders. Gresele P, et al. **Trends Pharmacol Sci** 1991 Apr; 12(4):158–63 (47 ref.)
[Anti-aggregants in 1990] Verstraete M. **Rev Med Interne** 1990 May–Jun;11(3):209–15 (56 ref.) (Eng. Abstr.) **(Fre)**
[Heparin and blood platelets] Komarnicki M, et al. **Pol Tyg Lek** 1989 Oct 2–16;44(40–42):899–901 (34 ref.) **(Pol)**
[Pharmacological basis of thrombolytic therapy] Kleking GP, et al. **Klin Med (Mosk)** 1990 Jun;68(6):13–9 (37 ref.) **(Rus)**

EPIDEMIOLOGY

The significance of portal vein thrombosis after distal splenorenal shunt. Jin GL, et al. **Arch Surg** 1991 Aug; 126(8):1011–5; discussion 1015–6 (23 ref.)
Lp(a) as a marker for coronary heart disease risk. Scanu AM. **Clin Cardiol** 1991 Feb;14(2 Suppl 1):I35–9 (23 ref.)
Postpartum ovarian vein thrombophlebitis: a review. Dunnihoo DR, et al. **Obstet Gynecol Surv** 1991 Jul; 46(7):415–27 (82 ref.)

ETIOLOGY

Lipoprotein(a): structure, biology, and clinical relevance. Scanu AM, et al. **Adv Intern Med** 1991;36:249–70 (87 ref.)
The fibrinolytic system of the vessel wall and its role in the control of thrombosis. Loskutoff DJ, et al. **Ann N Y Acad Sci** 1990;598:238–47 (97 ref.)
Complications of anomalous origin of the right subclavian artery: case report and review of the literature. Akers DL Jr, et al. **Ann Vasc Surg** 1991 Jul;5(4):385–8 (19 ref.)
Lipids and thrombosis. Gasser JA, et al. **Baillieres Clin Endocrinol Metab** 1990 Dec;4(4):923–38 (190 ref.)
The role of fibrinolytic factors in ischaemia. Pandolfi M, et al. **Eye** 1991;5 (Pt 2):159–69 (135 ref.)
Oxidative status and oral contraceptive. Its relevance to platelet abnormalities and cardiovascular risk. Ciavatti M, et al. **Free Radic Biol Med** 1991;10(5):325–38 (171 ref.)
Pathogenesis of thrombosis. Prentice CR. **Haemostasis** 1990; 20 Suppl 1:50–9 (35 ref.)
Amplification mechanisms in platelet activation and arterial thrombosis. De Clerck FF, et al. **J Hypertens Suppl** 1990 Dec;8(7):S87–93 (82 ref.)
The porcine model for the understanding of thrombogenesis and atherogenesis. Fuster V, et al. **Mayo Clin Proc** 1991 Aug;66(8):818–31 (64 ref.)
Large vessel occlusion with vasculitis in systemic lupus erythematosus. Harmon SM, et al. **South Med J** 1991 Sep; 84(9):1150–4 (25 ref.)
[Late occlusive thrombosis of mitral prosthesis with sinus rhythm. Report of two surgically treated patients] Tabone X, et al. **Ann Cardiol Angeiol (Paris)** 1990 Oct;39(8):467–70 (9 ref.) (Eng. Abstr.) **(Fre)**
[Recurring arterial thrombosis in the adult during a nephrotic syndrome. Report of a case and review of the literature] Farkas JC, et al. **Nephrologie** 1990;11(3):167–70 (55 ref.) (Eng. Abstr.) **(Fre)**
[Influence of protein S deficiency on the arterial thrombosis risk] Wiesel ML, et al. **Presse Med** 1991 Jun 8;20(22):1023–7 (24 ref.) (Eng. Abstr.) **(Fre)**
[Prethrombotic states in pediatrics] Fiori GM, et al. **Pediatr Med Chir** 1991 Mar–Apr;13(2):139–45 (47 ref.) (Eng. Abstr.) **(Ita)**
[Right ventricular thrombosis due to familial heparin cofactor II deficiency] Nagae N, et al. **Kyobu Geka** 1990 Sep; 43(10):830–4 (13 ref.) (Eng. Abstr.) **(Jpn)**
[Left atrial thrombus in the early postoperative period after mitral valve replacement] Take A, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jul;39(7):1039–48 (46 ref.) (Eng. Abstr.) **(Jpn)**
[A case report of thrombosis in portal and splenic vein due to alcoholic pancreatitis] Michida T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jun;88(6):1388–92 (16 ref.) **(Jpn)**
[Fast-acting plasminogen activator inhibitor in the plasma] Mirowski M, et al. **Postepy Hig Med Dosw** 1989; 43(2–4):237–54 (97 ref.) (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

[The role of anticardiolipin antibodies in the pathogenesis of arterial and venous thromboses] Eber B. **Acta Med Austriaca** 1990;17(4):67–70 (45 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Thrombotic microangiopathy. Kwaan HC. **Adv Exp Med Biol** 1990;281:367–75 (73 ref.)

PHYSIOPATHOLOGY

Mechanisms of platelet activation: thromboxane A2 as an amplifying signal for other agonists. FitzGerald GA. **Am J Cardiol** 1991 Sep 3;68(7):11B–15B (73 ref.)
The effect of flow and mass transport in thrombogenesis. Basmadjian D. **Ann Biomed Eng** 1990;18(6):685–709 (36 ref.)
Integrin structure and function in hemostasis and thrombosis. Bennett JS. **Ann N Y Acad Sci** 1991;614:214–28 (114 ref.)
Modulation by cytokines of leukocyte–endothelial cell interactions. Implications for thrombosis. Beretz A, et al. **Biorheology** 1990;27(3–4):455–60 (23 ref.)
Stratton lecture 1989. Thrombosis and inflammation as multicellular processes: pathophysiologic significance of transcellular metabolism. Marcus AJ. **Blood** 1990 Nov 15; 76(10):1903–7 (45 ref.)
Importance of experimental models for the development of clinical trials on thromboatherosclerosis. Fuster V, et al. **Circulation** 1991 Jun;83(6 Suppl):IV15–25 (91 ref.)
Role of von Willebrand factor in arterial thrombosis. Studies in normal and von Willebrand disease pigs. Nichols TC, et al. **Circulation** 1991 Jun;83(6 Suppl):IV56–64 (61 ref.)
Physiological role of vessel wall related antithrombotic mechanisms: contribution of endogenous and exogenous heparin-like components to the anticoagulant potential of the endothelium. Preissner KT. **Haemostasis** 1990;20 Suppl 1:30–49 (161 ref.)
[Blood platelets and the elderly. Relation to the arterial wall and hemostasis] Boisseau MR. **Ann Cardiol Angeiol (Paris)** 1991 May;40(5):239–42 (21 ref.) **(Fre)**

PREVENTION & CONTROL

Pharmacologic profile of a low molecular weight heparin (enoxaparin): experimental and clinical validation of the prophylactic antithrombotic effects. Fareed J, et al. **Acta Chir Scand Suppl** 1990;556:75–90 (35 ref.)
Endothelial cell seeding. Herring MB. **J Vasc Surg** 1991 May; 13(5):731–2 (10 ref.)
Aspirin in the prevention of thrombosis. Lekstrom JA, et al. **Medicine (Baltimore)** 1991 May;70(3):161–78 (78 ref.)
Topically applied antithrombotic agents offer a new therapeutic approach to the prevention of microvascular thrombosis. Cooley BC, et al. **Microsurgery** 1991; 12(4):281–7 (117 ref.)
An overview of dipyridamole. Mammen EF. **Thromb Res Suppl** 1990;12:1–3 (14 ref.)
Aspirin as an antithrombotic drug: from the aggregometer to clinical trials. de Gaetano G. **Verh K Acad Geneeskd Belg** 1990;52(6):459–71; discussion 471–3 (33 ref.)
[Current aspects of arterial anti-thrombosis prophylaxis] Sternon J. **Rev Med Brux** 1990 Dec;11(10):503–11 (25 ref.) (Eng. Abstr.) **(Fre)**
[Current aspects of perioperative heparin administration] Basic-Micic M, et al. **Gynakologe** 1991 Feb;24(1):59–63 (31 ref.) **(Ger)**

RADIOGRAPHY

[Idiopathic thrombosis of renal vein in adults: presentation of a case and review of clinico-diagnostic and therapeutic

aspects] López-Costea MA, et al. **Actas Urol Esp** 1991 Jan-Feb;15(1):99-102 (16 ref.) (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

Non-tumor applications of radioimmune imaging. Strauss HW, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):127-34 (25 ref.)

THERAPY

Diagnosis and management of thromboses in the perinatal period. Manco-Johnson MJ. **Semin Perinatol** 1990 Oct; 14(5):393-402 (126 ref.)

[Emergency measures in acute arterial vascular occlusions] Leyhe A. **Internist (Berl)** 1991 Apr;32(4):164-9 (16 ref.) **(Ger)**

ULTRASONOGRAPHY

[Thrombosis of mechanical heart valve prosthesis. Value of transesophageal echocardiography in the study of mitral valve prosthesis] Roudaut R, et al. **Arch Mal Coeur Vaiss** 1991 Apr;84(4):503-9 (13 ref.) (Eng. Abstr.) **(Fre)**

THROMBOSIS, CORONARY see **CORONARY THROMBOSIS**

THROMBOSIS, RETINAL VEIN see **RETINAL VEIN OCCLUSION**

THROMBOSIS, VENOUS see **THROMBOPHLEBITIS**

THROMBOXANE A SYNTHASE see **THROMBOXANE SYNTHETASE**

THROMBOXANE A2

ANTAGONISTS & INHIBITORS

Pathophysiological role of thromboxane A2 and pharmacological approaches to its inhibition. Patscheke H, et al. **Z Kardiol** 1990;79 Suppl 3:151-4 (17 ref.)

[Therapy of arterial occlusive disease] Bollinger A. **Verh Dtsch Ges Inn Med** 1990;96:702-6 (22 ref.) **(Ger)**

[New drugs for the inhibition of the pro-thrombotic effects of prostaglandins and thromboxane A2] Patscheke H. **Verh Dtsch Ges Inn Med** 1990;96:696-702 (13 ref.) **(Ger)**

BIOSYNTHESIS

Effects of non-steroidal anti-inflammatory drugs on the in vivo synthesis of thromboxane and prostacyclin in humans. Drvota V, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21A:153-6 (15 ref.)

Activation of thromboxane and prostacyclin biosynthesis in humans. Gréen K, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:607-10 (19 ref.)

Thromboxane biosynthesis in cardiovascular diseases. Patrono C, et al. **Stroke** 1990 Dec;21(12 Suppl):IV130-3 (26 ref.)

Thromboxane synthesis inhibitors and receptor antagonists. Patrono C. **Thromb Res Suppl** 1990;11:15-23 (32 ref.)

BLOOD

Acetylsalicylic acid and the balance between prostacyclin and thromboxane A2. Viinikka L. **Scand J Clin Lab Invest Suppl** 1990;201:103-8 (36 ref.)

PHYSIOLOGY

Mechanisms of platelet activation: thromboxane A2 as an amplifying signal for other agonists. FitzGerald GA. **Am J Cardiol** 1991 Sep 3;68(7):11B-15B (73 ref.)

Prostacyclin, thromboxane A2, and hypertension. Zhao WG, et al. **Clin Invest Med** 1990 Dec;13(6):343-52 (122 ref.)

THROMBOXANE SYNTHETASE

Thromboxane synthase. From isolation to function. Ullrich V, et al. **Stroke** 1990 Dec;21(12 Suppl):IV134-8 (33 ref.)

ANTAGONISTS & INHIBITORS

Thromboxane synthase inhibitors, thromboxane receptor antagonists and dual blockers in thrombotic disorders. Gresele P, et al. **Trends Pharmacol Sci** 1991 Apr; 12(4):158-63 (47 ref.)

[Highlights of thromboxane synthetase inhibitor research] Yu WG, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul; 21(3):216-20 (55 ref.) **(Chi)**

THROMBOXANES

ANTAGONISTS & INHIBITORS

Innovations in drug research: inhibitors of thromboxane and leukotrienes. Ford-Hutchinson AW. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:272-6 (14 ref.)

The potential role of thromboxane inhibitors in preventing myocardial ischaemic injury. Mehta JL, et al. **Drugs** 1990 Nov;40(5):657-65 (64 ref.)

[Thromboxane antagonists] Hof-Mussler S. **Med Monatsschr Pharm** 1991 Apr;14(4):98-9 (2 ref.) **(Ger)**

BIOSYNTHESIS

Drug interactions with the in vivo synthesis of thromboxane and prostacyclin. Gréen K, et al. **Drug Metabol Drug Interact** 1989;7(4):321-50 (94 ref.)

Prostaglandin and thromboxane biosynthesis. Smith WL, et al. **Pharmacol Ther** 1991;49(3):153-79 (246 ref.)

THRUSH see **CANDIDIASIS, ORAL**

THUMB

Osteoarthritis of the carpometacarpal joint of the thumb. Strickland JW, et al. **Indiana Med** 1990 Nov;83(11):828-30 (2 ref.)

[Abrikossoff's tumor of the hand. Apropos of a case. Review of the literature] Maladry D, et al. **Ann Chir Main Memb Super** 1991;10(2):167-70 (16 ref.) (Eng. Abstr.) **(Fre)**

ABNORMALITIES

Management of thumb hypoplasia. Kleinman WB. **Hand Clin** 1990 Nov;6(4):617-41 (84 ref.)

Congenital onychodysplasia of the index fingers: a case involving the thumbnails. Kikuchi I. **Semin Dermatol** 1991 Mar;10(1):7-11 (21 ref.)

[Polydactyly of the hands. Recommendation for expanded classification] Schrader M. **Handchir Mikrochir Plast Chir** 1991 May;23(3):115-27 (52 ref.) (Eng. Abstr.) **(Ger)**

INJURIES

Flexor pollicis longus rupture after fracture of the distal radius. Ashall G. **Injury** 1991 Mar;22(2):153-5 (15 ref.)

[Laxity in the metacarpophalangeal joint of the thumb] Gottlieb J, et al. **Nord Med** 1991;106(1):16-8 (15 ref.) (Eng. Abstr.) **(Dan)**

[Management of open, potentially infected hand injuries with bone defect by delayed early bone substitution] Cziffer E, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1990; 33(4):297-302 (23 ref.) (Eng. Abstr.) **(Hun)**

SURGERY

Thumb replantation after cardiac transplantation. Borah GL, et al. **Plast Reconstr Surg** 1991 Sep;88(3):499-502 (41 ref.)

THYMECTOMY

[Postoperative intensive care after thymectomy for myasthenia gravis] Engler JM, et al. **Ann Chir** 1990; 44(8):628-31 (10 ref.) (Eng. Abstr.) **(Fre)**

METHODS

[A case report of extended thymectomy in an elderly patient with myasthenia gravis associated with Hashimoto's disease] Mizutani S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Feb;39(2):228-31 (13 ref.) (Eng. Abstr.) **(Jpn)**

THYMIC CYST see **MEDIASTINAL CYST**

THYMIC GROUP VIRUSES see **MOUSE LEUKEMIA VIRUSES**

THYMIC HORMONES see **THYMUS HORMONES**

THYMIDINE

ANALYSIS

Localization in situ of specific mRNA using thymine-thymine dimerized DNA probes. Sensitive and reliable non-radioactive in situ hybridization. Koji T, et al. **Acta Pathol Jpn** 1990 Nov;40(11):793-807 (89 ref.)

THYMIDINE KINASE

BLOOD

[Thymidine kinase: a serum marker in clinical medicine] Llobell Segui GJ, et al. **An Med Interna** 1989 Jul;6(7):381-5 (66 ref.) (Eng. Abstr.) **(Spa)**

METABOLISM

Regulation of de novo and salvage pathways in chemotherapy. Weber G, et al. **Adv Enzyme Regul** 1991; 31:45-67 (37 ref.)

Thymidine kinase. Kit S. **Microbiol Sci** 1985 Dec; 2(12):369-75 (26 ref.)

PHYSIOLOGY

Role of herpes simplex virus thymidine kinase expression in viral pathogenesis and latency. Tenser RB. **Intervirology** 1991;32(2):76-92 (138 ref.)

THYMIDINE PHOSPHATASE see **5'-NUCLEOTIDASE**

THYMIDYLATE SYNTHETASE

ANTAGONISTS & INHIBITORS

Thymidylate synthase inhibitors: the in vitro activity of a series of heterocyclic benzoyl ring modified 2-desamino-2-methyl-N10-substituted-5,8-dideazafolates. Jackman AL, et al. **Adv Enzyme Regul** 1991;31:13-27 (51 ref.)

The renewed potential for folate antagonists in contemporary cancer chemotherapy. Berman EM, et al. **J Med Chem** 1991 Feb;34(2):479-85 (58 ref.)

Developments of the fluoropyrimidines as inhibitors of thymidylate synthetase: pharmacologic and clinical aspects. Machover D. **J Surg Oncol Suppl** 1991;2:42-50 (72 ref.)

GENETICS

The dihydrofolate reductase-thymidylate synthetase gene in the drug resistance of malaria parasites. Hyde JE. **Pharmacol Ther** 1990;48(1):45-59 (76 ref.)

[Molecular cloning and molecular biological studies of human thymidylate synthase gene] Takeishi K. **Yakugaku Zasshi** 1990 Dec;110(12):891-907 (52 ref.) (Eng. Abstr.) **(Jpn)**

METABOLISM

Regulation of de novo and salvage pathways in chemotherapy. Weber G, et al. **Adv Enzyme Regul** 1991; 31:45-67 (37 ref.)

A tale of two enzymes, deoxycytidylate deaminase and thymidylate synthase. Maley F, et al. **Prog Nucleic Acid Res Mol Biol** 1990;39:49-80 (146 ref.)

THYMINE

ANALOGS & DERIVATIVES

Repair of O4-alkylthymine damage in human cells. Wani AA, et al. **Basic Life Sci** 1990;53:417-35 (84 ref.)

Biomarkers of OH radical damage in vivo. Karam LR, et al. **Free Radic Res Commun** 1991;12-13 Pt 1:11-6 (24 ref.)

Why do O6-alkylguanine and O4-alkylthymine miscode? The relationship between the structure of DNA containing O6-alkylguanine and O4-alkylthymine and the mutagenic properties of these bases. Swann PF. **Mutat Res** 1990 Nov-Dec;233(1-2):81-94 (57 ref.)

THYMOANALEPTICS see **ANTIDEPRESSIVE AGENTS**

THYMOLEPTICS see **ANTIDEPRESSIVE AGENTS**

THYMOMA

[Thymomas] Sánchez Heras AB, et al. **An Med Interna** 1989 Dec;6(12):651-5 (25 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Thymolipoma in association with myasthenia gravis. Le Marc'hadour F, et al. **Am J Surg Pathol** 1991 Aug; 15(8):802-9 (39 ref.)

Thymoma and myasthenia gravis in pregnancy: report of a case. Huang CC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1991 Feb;90(2):206-8 (10 ref.)

[Clinical analysis of myasthenia gravis accompanied by invasive thymoma] Wakata N, et al. **Rinsho Shinkeigaku** 1991 Mar;31(3):260-5 (19 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

[A case of intrathyroidal thymoma presenting as a thyroid mass] Takahashi H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Mar;39(3):351-5 (10 ref.) (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

[Chemotherapy of thymoma] Monden Y, et al. **Gan To Kagaku Ryoho** 1990 Oct;17(10):2019-24 (26 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Thymomas and thymic carcinomas. Walker AN, et al. **Semin Diagn Pathol** 1990 Nov;7(4):250-65 (89 ref.)

[A case of invasive thymoma displaying endobronchial and endocaval polypoid growth] Ichimanda M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jun;39(6):938-42 (17 ref.) (Eng. Abstr.) **(Jpn)**

[A case of invasive thymoma displaying endobronchial polypoid growth] Yokoi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Mar; 28(3):529-34 (11 ref.) (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Post-operative radiotherapy in invasive thymoma. Jackson MA, et al. **Radiother Oncol** 1991 Jun;21(2):77-82 (26 ref.)

THYMOPENTIN

THERAPEUTIC USE

[Vulvar lesions caused by Papillomavirus (HPV): effectiveness of thymopentin (Syntomoduline). First results

and experiences] Di Stefano L, et al. **Minerva Ginecol** 1991 Jan–Feb;43(1–2):53–6 (10 ref.) (Eng. Abstr.) **(Ita)**

THYMOPOIETIN PENTAPEPTIDE see **THYMOPENTIN**

THYMOSIN

IMMUNOLOGY

A thymosin–tuftsin conjugate as a new potential immunomodulator in cattle. Khansari DN, et al. **Adv Vet Sci Comp Med** 1990;35:161–77 (56 ref.)

PHYSIOLOGY

Regulation of pituitary hormones by thymosins and other immune system products. Hall NR, et al. **Immunol Ser** 1989; 45:469–77 (32 ref.)

Mechanism of action of the thymosins: modulation of lymphokines, receptors, and T–cell differentiation antigens. Oates KK, et al. **Immunol Ser** 1989;45:273–88 (79 ref.)

THYMOTAXIN see **BETA 2–MICROGLOBULIN**

THYMUS–DEPENDENT LYMPHOCYTES see **T–LYMPHOCYTES**

THYMUS EXTRACTS

THERAPEUTIC USE

[The use of thymus preparations in treating patients with rheumatic diseases] Svintsitskiĭ AS. **Ter Arkh** 1991; 63(5):137–40 (81 ref.) **(Rus)**

THYMUS GLAND

see related
BURSA OF FABRICIUS

Tumors of the neck showing thymic or related branchial pouch differentiation: a unifying concept. Chan JK, et al. **Hum Pathol** 1991 Apr;22(4):349–67 (84 ref.)

Aberrant cervical thymus in children: three case reports and review of the literature. Spigland N, et al. **J Pediatr Surg** 1990 Nov;25(11):1196–9 (15 ref.)

[A case of intrathyroidal thymoma presenting as a thyroid mass] Takahashi H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Mar;39(3):351–5 (10 ref.) (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Functional histology of the human thymus. von Gaudecker B. **Anat Embryol (Berl)** 1991;183(1):1–15 (68 ref.)

CYTOLOGY

Prothymocyte seeding in the thymus. O'Neill HC. **Immunol Lett** 1991 Jan;27(1):1–6; discussion 7–8 (57 ref.)

Towards an integrated view of thymopoiesis. Boyd RL, et al. **Immunol Today** 1991 Feb;12(2):71–9 (363 ref.)

Phenotypic and functional stages in the intrathymic development of alpha beta T cells. Nikolić–Zugić J. **Immunol Today** 1991 Feb;12(2):65–70 (67 ref.)

Human thymic epithelium and T cell development: current issues and future directions. Haynes BF. **Thymus** 1990 Nov–Dec;16(3–4):143–57 (90 ref.)

Development of human T lymphocytes and their thymus–dependency. van Dongen JJ, et al. **Thymus** 1990 Nov–Dec;16(3–4):207–34 (144 ref.)

EMBRYOLOGY

Neural crest function in thymus development. Bockman DE, et al. **Immunol Ser** 1989;45:451–67 (58 ref.)

T–cell development in the fetus and the invariant series hypothesis. Aspinall R, et al. **Immunol Today** 1991 Jan; 12(1):7–10 (35 ref.)

GROWTH & DEVELOPMENT

Thymic involution and aging processes. Piantanelli L, et al. **Int J Neurosci** 1990 Apr;51(3–4):283–5 (4 ref.)

IMMUNOLOGY

Myasthenia gravis. Newsom–Davis J. **Ann Ital Med Int** 1988; 3 Suppl 1:32–7 (33 ref.)

T–cell subset relationships in thymocyte development. Scollay R. **Curr Opin Immunol** 1991 Apr;3(2):204–9 (49 ref.)

Imprint of thymic selection on autoreactive repertoires. Zauderer M, et al. **Immunol Rev** 1990 Aug;116:159–70 (30 ref.)

The role of thymic epithelium in the acquisition of tolerance. Houssaint E, et al. **Immunol Today** 1990 Oct;11(10):357–60 (47 ref.)

First Medawar prize lecture. The immunological function of the thymus and of the thymus–derived lymphocytes. Miller JF. **Transplant Proc** 1991 Feb;23(1 Pt 1):9–10 (25 ref.)

[Analogies between the thymus and epidermis] De Panfilis G. G **Ital Dermatol Venereol** 1990 Nov;125(11):479–86 (62 ref.) (Eng. Abstr.) **(Ita)**

INNERVATION

Innervation of the rat thymus gland. Kendall MD, et al. **Brain Behav Immun** 1991 Mar;5(1):9–28 (59 ref.)

Interrelation of peptidergic innervation with mast cells and ED1–positive cells in rat thymus. Müller S, et al. **Brain Behav Immun** 1991 Mar;5(1):55–72 (97 ref.)

PHYSIOLOGY

The thymic hormones. Comsa J. **Hormones** 1971;2(4):226–55 (135 ref.)

TRANSPLANTATION

Presence of host–reactive and MHC–restricted T cells in a transplanted severe combined immunodeficient (SCID) patient suggest positive selection and absence of clonal deletion. Spits H, et al. **Immunol Rev** 1990 Aug;116:101–16 (67 ref.)

THYMUS HORMONES

PHYSIOLOGY

The thymic hormones. Comsa J. **Hormones** 1971;2(4):226–55 (135 ref.)

THYMUS NEOPLASMS

[Thymomas] Sánchez Heras AB, et al. **An Med Interna** 1989 Dec;6(12):651–5 (25 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Thymolipoma in association with myasthenia gravis. Le Marc'hadour F, et al. **Am J Surg Pathol** 1991 Aug; 15(8):802–9 (39 ref.)

The relationship of pemphigus to neoplasia. Younus J, et al. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 1):498–502 (33 ref.)

Thymoma and myasthenia gravis in pregnancy: report of a case. Huang CC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1991 Feb;90(2):206–8 (10 ref.)

[Clinical analysis of myasthenia gravis accompanied by invasive thymoma] Wakata N, et al. **Rinsho Shinkeigaku** 1991 Mar;31(3):260–5 (19 ref.) (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Successful treatment of metastatic thymic carcinoma with cisplatin, vinblastine, bleomycin, and etoposide chemotherapy. Carlson RW, et al. **Cancer** 1990 Nov 15; 66(10):2092–4 (24 ref.)

[Chemotherapy of thymoma] Monden Y, et al. **Gan To Kagaku Ryoho** 1990 Oct;17(10):2019–24 (26 ref.) (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Cellular aspects of the pathogenesis of radiation–induced thymic lymphomas in C57 BL mice (review). Boniver J, et al. **In Vivo** 1990 Jan–Feb;4(1):41–3 (28 ref.)

PATHOLOGY

Thymomas and thymic carcinomas. Walker AN, et al. **Semin Diagn Pathol** 1990 Nov;7(4):250–65 (89 ref.)

[A case of invasive thymoma displaying endobronchial and endocaval polypoid growth] Ichimanda M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jun;39(6):938–42 (17 ref.) (Eng. Abstr.) **(Jpn)**

[A case of invasive thymoma displaying endobronchial polypoid growth] Yokoi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Mar; 28(3):529–34 (11 ref.) (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Post–operative radiotherapy in invasive thymoma. Jackson MA, et al. **Radiother Oncol** 1991 Jun;21(2):77–82 (26 ref.)

SURGERY

[Recurrent thymic carcinoid tumor–report of a case] Nawata S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jun;39(6):962–6 (14 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Thymic carcinoid–a case report and review of the literature. Akiyama S, et al. **Jpn J Surg** 1990 Sep;20(5):577–81 (4 ref.)

THYROCALCITONIN see **CALCITONIN**

THYROGLOBULIN

ANALYSIS

Thyroid tumors. Seesko HG, et al. **Immunol Ser** 1990; 53:431–52 (133 ref.)

CHEMISTRY

The structure of thyroid autoantigens. Furmaniak J, et al. **Autoimmunity** 1990;7(1):63–80 (110 ref.)

GENETICS

The molecular genetics of three thyroid autoantigens: thyroglobulin, thyroid peroxidase and the thyrotropin receptor. Ludgate M, et al. **Autoimmunity** 1990; 7(2–3):201–11 (56 ref.)

IMMUNOLOGY

Shared thyroglobulin epitopes in autoimmune thyroiditis. Kong YC. **Immunol Ser** 1990;52:229–40 (31 ref.)

Thyroglobulin antibodies in experimental autoimmune thyroiditis. Vladutiu AO. **Immunol Ser** 1990;52:241–66 (129 ref.)

Mapping the autoepitopes of thyroglobulin. Rose NR, et al. **Isr J Med Sci** 1990 Dec;26(12):666–72 (37 ref.)

THYROGLOSSAL CYST

Papillary carcinoma in thyroglossal duct remnants. Pacheco–Ojeda L, et al. **Eur Arch Otorhinolaryngol** 1991; 248(5):268–70 (15 ref.)

CONGENITAL

Congenital head and neck masses in infants and children. Part I [published erratum appears in Ear Nose Throat J 1991 Jun;70(6):354] Guarisco JL. **Ear Nose Throat J** 1991 Jan;70(1):40–7 (35 ref.)

PATHOLOGY

[Cancer arising in a cyst of the thyroglossal tract] Bourguignat E, et al. **Ann Otolaryngol Chir Cervicofac** 1991; 108(1):21–5 (52 ref.) (Eng. Abstr.) **(Fre)**

[Carcinoma arising in thyroglossal duct cyst: presentation of a new case and review of the literature] Redondo E, et al. **Acta Otorrinolaringol Esp** 1990 Jul–Aug;41(4):249–51 (20 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Primary papillary carcinoma of a thyroglossal duct cyst: report of a case and literature review. Weiss SD, et al. **Br J Surg** 1991 Jan;78(1):87–9 (25 ref.)

THYROID ANTAGONISTS

METABOLISM

Metabolism of thioamide antithyroid drugs. Sitar DS. **Drug Metab Rev** 1990;22(5):477–502 (91 ref.)

THYROID CRISIS

Thyroid crises. Gavin LA. **Med Clin North Am** 1991 Jan; 75(1):179–93 (45 ref.)

COMPLICATIONS

Thyroid crisis associated with severe hypocalcemia. Yamaji Y, et al. **Jpn J Med** 1991 Mar–Apr;30(2):179–81 (19 ref.)

THYROID DISEASES

Thyroid disease and pregnancy. Becks GP, et al. **Med Clin North Am** 1991 Jan;75(1):121–50 (192 ref.)

Thyroid disease in the elderly. Levy EG. **Med Clin North Am** 1991 Jan;75(1):151–67 (80 ref.)

Endocrine management of the open heart surgical patient. Hoogwerf BJ, et al. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):75–80 (42 ref.)

[Treatment of solitary toxic thyroid nodule with 131I: results in 43 patients] Marín JF, et al. **Med Clin (Barc)** 1991 May 18;96(19):730–2 (16 ref.) (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Thyroid disorders induced by lithium and amiodarone: an overview. Chow CC, et al. **Adverse Drug React Acute Poisoning Rev** 1990 Winter; 9(4):207–22 (109 ref.)

A review of iodine toxicity reports. Pennington JA. **J Am Diet Assoc** 1990 Nov;90(11):1571–81 (157 ref.)

COMPLICATIONS

Vision–threatening thyroid orbital disease–the clinical features. McClellan KA. **Aust N Z J Ophthalmol** 1990 Aug; 18(3):247–50 (12 ref.)

Management of dysthyroid eye disease. Fells P. **Br J Ophthalmol** 1991 Apr;75(4):245–6 (10 ref.)

Thyroid diseases and breast cancer. Goldman MB. **Epidemiol Rev** 1990;12:16–28 (105 ref.)

Recurrent acute suppurative thyroiditis. Skuza K, et al. **J Otolaryngol** 1991 Apr;20(2):126–9 (14 ref.)

DIAGNOSIS

Advances in molecular biology. Potential impact on diagnosis and treatment of disorders of the thyroid. Baxter JD. **Med Clin North Am** 1991 Jan;75(1):41–59 (94 ref.)

Fine–needle aspiration biopsy cytology of the thyroid. Its value and limitations in the diagnosis and management of solitary thyroid nodules. Nguyen GK, et al. **Pathol Annu** 1991;26 Pt 1:63–91 (40 ref.)

Evaluation of thyroid nodules. Dorsch TR. **Semin Surg Oncol** 1991 Mar–Apr;7(2):64–6 (29 ref.)

Modern methodologies of differentiating thyroid masses. Mafee MF, et al. **Semin Surg Oncol** 1991 Mar–Apr;

7(2):67–75 (20 ref.)
Medical needs in the evaluation of thyroid dysfunction. Lindstedt G. **Ups J Med Sci** 1990;95(3):197–211 (34 ref.)
[Recent parameters for diagnosis of challenging thyroid gland disorders: consequences for diagnosis and therapy] Wenzel KW. **Acta Med Austriaca** 1991;18(1):1–6 (30 ref.) (Eng. Abstr.) **(Ger)**
[Diagnosis and therapy of thyroid diseases] Inada M. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):391–4 (1 ref.) **(Jpn)**

DRUG THERAPY

Thyroid disease in relation to pregnancy. Lazarus JH, et al. **Clin Endocrinol (Oxf)** 1991 Jan;34(1):91–8 (68 ref.)
[Thyroid disease] Ashitaka Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1990 Aug; 42(8):855–60 (19 ref.) (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Human autoimmune thyroid disease: risk factors. Burek CL, et al. **Immunol Ser** 1990;52:169–90 (85 ref.)
[Disorders due to iodine deficiency] Delange F. **Acta Clin Belg** 1990;45(6):394–411 (78 ref.) (Eng. Abstr.) **(Fre)**
[The HLA system and thyroid diseases] Rasovskiĭ BL, et al. **Probl Endokrinol (Mosk)** 1990 Sep–Oct;36(5):85–90 (77 ref.) **(Rus)**

IMMUNOLOGY

The immunoregulatory disturbance in autoimmune thyroid disease. Volpé R. **Autoimmunity** 1988;2(1):55–72 (86 ref.)
[Antibodies which block thyroid function: current concept of thyroid autoimmunity] Bonnyns M, et al. **Acta Clin Belg** 1990;45(4):223–6 (22 ref.) **(Fre)**
[Autoimmune thyroid diseases—cell mediated immunity] Bachowska E. **Postepy Hig Med Dosw** 1990;44(4–6):235–45 (44 ref.) (Eng. Abstr.) **(Pol)**

PATHOLOGY

Nonoperative techniques for tissue diagnosis in the management of thyroid nodules and goiters. Clark KC, et al. **Semin Surg Oncol** 1991 Mar–Apr;7(2):76–80 (38 ref.)

PHYSIOPATHOLOGY

A perspective on the thyroid and depression. Joffe RT. **Can J Psychiatry** 1990 Dec;35(9):754–8 (57 ref.)
The natural history of autoimmune thyroid disease. Volpé R. **Thyroidol Clin Exp** 1988 Apr;(1):13–20 (50 ref.)

RADIONUCLIDE IMAGING

[The thyroid gland scintigram. A decision aid for the surgical approach in thyroid gland diseases?] Ladurner D. **Chirurg** 1990 Sep;61(9):647–9; discussion 649–50 (11 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

The operative management of coexisting thyroid and parathyroid disease. Strichartz SD, et al. **Arch Surg** 1990 Oct;125(10):1327–31 (38 ref.)
[Surgical strategies in thyroid gland diseases in childhood and adolescence] Pistor G, et al. **Z Kinderchir** 1990 Dec; 45(6):342–8 (51 ref.) (Eng. Abstr.) **(Ger)**
[Thyroid nodule and carcinoma in children] Astudillo Neira PE, et al. **Cir Pediatr** 1988 Jul;1(3):124–7 (38 ref.) (Eng. Abstr.) **(Spa)**

THYROID FUNCTION TESTS

Effective laboratory evaluation of thyroid status. Bayer MF. **Med Clin North Am** 1991 Jan;75(1):1–26 (136 ref.)
The effects of nonthyroid disease and drugs on thyroid function tests. Cavalieri RR. **Med Clin North Am** 1991 Jan; 75(1):27–39 (72 ref.)
[Evaluating thyroid gland function in patients with protein anomalies] Eber O, et al. **Acta Med Austriaca** 1991; 18(1):11–9 (94 ref.) (Eng. Abstr.) **(Ger)**
[Iodine containing drugs and thyroid gland function. A diagnostic and therapeutic problem] Weissel M. **Acta Med Austriaca** 1991;18(1):6–11 (54 ref.) (Eng. Abstr.) **(Ger)**
[Testing thyroid function: state of the art] Zabelle J, et al. **Harefuah** 1991 Jan 1;120(1):37–40 (30 ref.) **(Heb)**

METHODS

Clinical chemistry of thyroid function testing. Wellby ML. **Adv Clin Chem** 1990;28:1–92 (452 ref.)
[Recent parameters for diagnosis of challenging thyroid gland disorders: consequences for diagnosis and therapy] Wenzel KW. **Acta Med Austriaca** 1991;18(1):1–6 (30 ref.) (Eng. Abstr.) **(Ger)**

TRENDS

Assessment of thyroid status by laboratory methods: developments and perspectives. Liewendahl K. **Scand J Clin Lab Invest Suppl** 1990;201:83–92 (80 ref.)

VETERINARY

Current diagnostic techniques for evaluating thyroid function in the dog. Beale KM. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1429–41 (59 ref.)

THYROID GLAND

Papillary carcinoma in thyroglossal duct remnants. Pacheco-Ojeda L, et al. **Eur Arch Otorhinolaryngol** 1991; 248(5):266–70 (15 ref.)

CYTOLOGY

Structural and functional properties of thyroid follicle cells in culture. Westermark B, et al. **Acta Physiol Scand Suppl** 1990;592:15–24 (32 ref.)

DRUG EFFECTS

The effect of hepatic enzyme-inducing drugs on thyroid hormones and the thyroid gland. Curran PG, et al. **Endocr Rev** 1991 May;12(2):135–50 (161 ref.)
The effects of drugs on tests of thyroid function. Davies PH, et al. **Eur J Clin Pharmacol** 1991;40(5):439–51 (130 ref.)
The effects of nonthyroid disease and drugs on thyroid function tests. Cavalieri RR. **Med Clin North Am** 1991 Jan; 75(1):27–39 (72 ref.)

ENZYMOLOGY

[Effect of detergents on the solubilization of 5'-nucleotidase from the thyroid gland] Piotrowska E, et al. **Rocz Akad Med Bialymst** 1988–89;33–34:11–21 (32 ref.) (Eng. Abstr.) **(Pol)**
[Thyroid gland inositol-1-phosphate synthase (its purification and characteristics)] Stelmach H, et al. **Rocz Akad Med Bialymst** 1988–89;33–34:23–32 (18 ref.) (Eng. Abstr.) **(Pol)**

GROWTH & DEVELOPMENT

Thyroid growth—an example of modulation of cell function. Hesch RD. **Horm Metab Res Suppl** 1990;23:47–50 (11 ref.)

IMMUNOLOGY

The structure of thyroid autoantigens. Furmaniak J, et al. **Autoimmunity** 1990;7(1):63–80 (110 ref.)
The molecular genetics of three thyroid autoantigens: thyroglobulin, thyroid peroxidase and the thyrotropin receptor. Ludgate M, et al. **Autoimmunity** 1990; 7(2–3):201–11 (56 ref.)
Prevalence of thyroid autoimmunity in insulin dependent diabetes mellitus in the Bayamon region. Sánchez-Lugo F. **Bol Asoc Med P R** 1991 Feb;83(2):54–7 (13 ref.)
Hashimoto's encephalopathy: a steroid-responsive disorder associated with high anti-thyroid antibody titers—report of 5 cases. Shaw PJ, et al. **Neurology** 1991 Feb;41(2 (Pt 1)):228–33 (28 ref.)
[Autoimmune pathology of the thyroid gland in rheumatoid arthritis and systemic lupus erythematosus] Serebriakov VG. **Revmatologiia (Mosk)** 1991 Jan–Mar;(1):30–3 (51 ref.) **(Rus)**

METABOLISM

Activation of the cyclic AMP cascade as an oncogenic mechanism: the thyroid example. Maenhaut C, et al. **Biochimie** 1991 Jan;73(1):29–36 (63 ref.)

PATHOLOGY

Fine-needle aspiration biopsy cytology of the thyroid. Its value and limitations in the diagnosis and management of solitary thyroid nodules. Nguyen GK, et al. **Pathol Annu** 1991;26 Pt 1:63–91 (40 ref.)
[Physiological basis of goiter transformation of the thyroid gland and the pathogenesis of euthyroid goiter] Aleshin BV. **Fiziol Zh** 1990 Nov–Dec;36(6):115–20 (27 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Regulatory peptides in the thyroid gland—a review on their localization and function. Ahrén B. **Acta Endocrinol (Copenh)** 1991 Mar;124(3):225–32 (82 ref.)
New aspects of thyroid physiology: a review. Rudas P, et al. **Acta Vet Hung** 1990;38(1–2):77–86 (37 ref.)
Glycosyl phosphatidylinositol in thyroid: cell signalling or protein anchor? Jacquemin C. **Biochimie** 1991 Jan; 73(1):37–40 (42 ref.)
Thyrotropin (TSH) action on thyroid hormone deiodination and secretion: one aspect of thyrotropin regulation of thyroid cell biology. Köhrle J. **Horm Metab Res Suppl** 1990;23:18–28 (50 ref.)
Function, proliferation and differentiation of the dog and human thyrocyte. Maenhaut C, et al. **Horm Metab Res Suppl** 1990;23:51–61 (72 ref.)
The role of hCG in regulation of the thyroid gland in normal and abnormal pregnancy. Kennedy RL, et al. **Obstet Gynecol** 1991 Aug;78(2):298–307 (106 ref.)
Evidence that the pacemaker controlling activity rhythms is shortened in male thyroparathyroidectomized (TPX) rats: similarities to the effects of estradiol in females. McEachron DL, et al. **Prog Clin Biol Res** 1990;341B:13–24 (30 ref.)

PHYSIOPATHOLOGY

Current diagnostic techniques for evaluating thyroid function in the dog. Beale KM. **Vet Clin North Am Small Anim Pract** 1990 Nov; 20(6):1429–41 (59 ref.)
[Pathophysiology of systemic changes in premature menopause] Kolesnikova TN. **Akush Ginekol (Mosk)** 1990 Dec;(12):7–11 (81 ref.) **(Rus)**
[Hypophyseal-thyroid system in patients with menstrual dysfunction] Prilepskaia VN, et al. **Akush Ginekol (Mosk)** 1991 Mar;(3):5–8 (71 ref.) **(Rus)**

RADIONUCLIDE IMAGING

Scintigraphic imaging of the thyroid, parathyroid, and adrenal glands. Gross MD, et al. **Curr Opin Radiol** 1990 Dec;2(6):851–9 (24 ref.)
Thyroid scintigraphy in small animals. Kintzer PP, et al. **Semin Vet Med Surg (Small Anim)** 1991 May;6(2):131–9 (20 ref.)

THYROID HORMONE RECEPTORS see **RECEPTORS, THYROID HORMONE**

THYROID HORMONES

see related
THYROGLOBULIN

BLOOD

Assessment of thyroid status by laboratory methods: developments and perspectives. Liewendahl K. **Scand J Clin Lab Invest Suppl** 1990;201:83–92 (80 ref.)

METABOLISM

New aspects of thyroid physiology: a review. Rudas P, et al. **Acta Vet Hung** 1990;38(1–2):77–86 (37 ref.)
The effect of hepatic enzyme-inducing drugs on thyroid hormones and the thyroid gland. Curran PG, et al. **Endocr Rev** 1991 May;12(2):135–50 (161 ref.)
Thyrotropin (TSH) action on thyroid hormone deiodination and secretion: one aspect of thyrotropin regulation of thyroid cell biology. Köhrle J. **Horm Metab Res Suppl** 1990;23:18–28 (50 ref.)

PHARMACOLOGY

Effects of thyroid hormones on the hypothalamic dopaminergic neurons. Reymond MJ, et al. **Adv Exp Med Biol** 1990;274:257–70 (74 ref.)

PHYSIOLOGY

Thyroid hormone regulation of gene expression. Brent GA, et al. **Annu Rev Physiol** 1991;53:17–35 (74 ref.)
Syndromes of thyroid hormone resistance. Franklyn JA. **Clin Endocrinol (Oxf)** 1991 Mar;34(3):237–45 (44 ref.)
Thyroid hormone and neoplastic transformation. Guernsev DL, et al. **Crit Rev Oncog** 1990;1(4):389–408 (117 ref.)
Thyroid hormone. Basis for its hypocholesterolemic effect. Ness GC. **J Fla Med Assoc** 1991 Jun;78(6):383–5 (23 ref.)
Thyroid hormones and thermogenesis. Dauncey MJ. **Proc Nutr Soc** 1990 Jul;49(2):203–15 (83 ref.)
[Thyroid hormones and the development of the nervous system] Mussa GC, et al. **Minerva Pediatr** 1990 Sep; 42(9):321–9 (26 ref.) (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Use of sensitive TSH assay to determine optimal thyroid hormone therapy and avoid osteoporosis. Wartofsky L. **Annu Rev Med** 1991;42:341–5 (16 ref.)
Thyroid hormone replacement: indications, dosage, and monitoring. Bade PF, et al. **S D J Med** 1990 Nov; 43(11):13–6 (16 ref.)

THYROID NEOPLASMS

Thyroid cancer: a lethal endocrine neoplasm. Robbins J, et al. **Ann Intern Med** 1991 Jul 15;115(2):133–47 (128 ref.)
Follicular and Hürthle cell carcinoma of the thyroid. Cooper DS, et al. **Endocrinol Metab Clin North Am** 1990 Sep; 19(3):577–91 (97 ref.)
Thyroid cancer in childhood. Gorlin JB, et al. **Endocrinol Metab Clin North Am** 1990 Sep;19(3):649–62 (59 ref.)
Progress in thyroid cancer. Kaplan MM. **Endocrinol Metab Clin North Am** 1990 Sep;19(3):469–78 (32 ref.)
Radioiodine-131 in the diagnosis and treatment of metastatic well differentiated thyroid cancer. Maxon HR 3d, et al. **Endocrinol Metab Clin North Am** 1990 Sep;19(3):685–718 (136 ref.)
Analysis of eight Sipple's syndrome patients and review of eighty-two cases from the Japanese literature. Oishi S, et al. **Jpn J Clin Oncol** 1990 Dec;20(4):392–406 (91 ref.)
Nonsquamous tumors of the head and neck in the geriatric population. Becker SP, et al. **Otolaryngol Clin North Am** 1990 Dec;23(6):1141–57 (44 ref.)
Papillary carcinoma of the thyroid. Cady B. **Semin Surg Oncol** 1991 Mar–Apr;7(2):81–6 (31 ref.)
Medullary carcinoma of the thyroid: current diagnosis and

management. Lairmore TC, et al. **Semin Surg Oncol** 1991 Mar–Apr;7(2):92–9 (51 ref.)
Follicular carcinoma of the thyroid. Watne AL, et al. **Semin Surg Oncol** 1991 Mar–Apr;7(2):87–91 (20 ref.)
[Hurthle cell thyroid neoplasms] Blum A, et al. **Harefuah** 1990 Dec 16;119(12):451–2 (6 ref.) **(Heb)**
[Primary lymphoma of the thyroid gland. Review of the literature and presentation of a clinical case] Stolfi VM, et al. **G Chir** 1989 Nov;10(11):641–5 (22 ref.) (Eng. Abstr.) **(Ita)**
[Current problems in the diagnosis and treatment of thyroid cancer] Romanchishen AF. **Klin Khir** 1991;(5):51–6 (143 ref.) **(Rus)**

CHEMICALLY INDUCED

Evidence for and possible mechanisms of non-genotoxic carcinogenesis in the rodent thyroid. Thomas GA, et al. **Mutat Res** 1991 Jun;248(2):357–70 (89 ref.)

CHEMISTRY

[Immunohistochemistry of thyroid cancers. II. Medullary carcinomas (CMT) and "mixed" or "intermediate" tumors] De Micco C. **Ann Pathol** 1990;10(5–6):297–312 (186 ref.) **(Fre)**

COMPLICATIONS

Thyrotoxicosis caused by thyroid cancer. Paul SJ, et al. **Endocrinol Metab Clin North Am** 1990 Sep;19(3):593–612 (67 ref.)
Tracheopathia osteochondroplastica complicated with thyroid cancer: case report and review of the literature in Japan. Morita S, et al. **Jpn J Med** 1990 Nov–Dec; 29(6):637–41 (23 ref.)

DIAGNOSIS

Thyroid: diagnostic techniques. Kenady DE, et al. **Curr Opin Oncol** 1990 Feb;2(1):87–94 (26 ref.)
Primary Hodgkin's disease of the thyroid: report of a case and a review of the literature. Vailati A, et al. **Haematologica** 1991 Jan–Feb;76(1):69–71 (33 ref.)
Thyroid tumors. Seesko HG, et al. **Immunol Ser** 1990; 53:431–52 (133 ref.)
Fine needle biopsy diagnosis of thyroid nodules. Perspective. Hamburger JI. **Thyroidol Clin Exp** 1988 Apr;(1):21–34 (61 ref.)
[Diagnosis of medullary thyroid gland carcinoma] Kujat C, et al. **Dtsch Med Wochenschr** 1990 Sep 28;115(39):1475–9 (24 ref.) **(Ger)**
[Hürthle's tumors of the thyroid: a clinical case and review of the literature] Garavello A, et al. **G Chir** 1991 Jan–Feb; 12(1–2):37–40 (31 ref.) (Eng. Abstr.) **(Ita)**
[Thyroid carcinoma] Namba H, et al. **Gan To Kagaku Ryoho** 1991 Jan;18(1):22–9 (34 ref.) (Eng. Abstr.) **(Jpn)**
[A case of intrathyroidal thymoma presenting as a thyroid mass] Takahashi H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Mar;39(3):351–5 (10 ref.) (Eng. Abstr.) **(Jpn)**
[Diagnosis and differentiation of follicular neoplasms of the thyroid gland] Sporny S, et al. **Pol Tyg Lek** 1990 Jun 18–25; 45(25–26):525–9 (33 ref.) **(Pol)**

DRUG THERAPY

Role of thyroid stimulating hormone suppression in the management of thyroid cancer. Thomas CG Jr. **Semin Surg Oncol** 1991 Mar–Apr;7(2):115–9 (49 ref.)
[Treatment of solitary toxic thyroid nodule with 131I: results in 43 patients] Marín JF, et al. **Med Clin (Barc)** 1991 May 18;96(19):730–2 (16 ref.) (Eng. Abstr.) **(Spa)**

EPIDEMIOLOGY

Incidence of carcinoma of the thyroid in nodular goiter. Cole WH. **Semin Surg Oncol** 1991 Mar–Apr;7(2):61–3 (8 ref.)
Endemic goiter and endemic thyroid disorders. Gaitan E, et al. **World J Surg** 1991 Mar–Apr;15(2):205–15 (127 ref.)

ETIOLOGY

Hashimoto's thyroiditis as a risk factor of thyroid lymphoma. Aozasa K. **Acta Pathol Jpn** 1990 Jul;40(7):459–68 (50 ref.)
Multiple primary carcinomas as sequelae of treatment of pulmonary tuberculosis with repeated induced pneumothoraces. Case report and review of the literature. Solan MJ. **Am J Clin Oncol** 1991 Feb;14(1):49–51 (25 ref.)
Oncogenes and growth factors in thyroid carcinogenesis. Frauman AG, et al. **Endocrinol Metab Clin North Am** 1990 Sep;19(3):479–93 (103 ref.)
Radiation-induced thyroid tumors. Schneider AB. **Endocrinol Metab Clin North Am** 1990 Sep;19(3):495–508 (42 ref.)
Head and neck irradiation in childhood: increased risk of developing thyroid disease. Sako K. **Semin Surg Oncol** 1991 Mar–Apr;7(2):112–4 (11 ref.)

GENETICS

Changing concepts in the management of hereditary and sporadic medullary thyroid carcinoma. Grauer A, et al. **Endocrinol Metab Clin North Am** 1990 Sep;19(3):613–35 (112 ref.)
[Medullary cancer of the thyroid] Calmettes C. **Bull Cancer (Paris)** 1990;77(11):1063–72 (32 ref.) (Eng. Abstr.) **(Fre)**
[Thyroid cancer and familial rectocolonic polyposis] de Mestier P. **Chirurgie** 1990;116(6–7):514–6 (14 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Necrosis of a Hürthle cell tumor of the thyroid following fine needle aspiration. Case report and literature review. Keyhani-Rofagha S, et al. **Acta Cytol** 1990 Nov–Dec; 34(6):805–8 (16 ref.)
Intraoperative pathologic diagnosis of thyroid neoplasms. Report on experience with 504 specimens. Rosen Y, et al. **Cancer** 1990 Nov 1;66(9):2001–6 (23 ref.)
Thyrolipoma: diagnostic pitfalls in the cytologic diagnosis and review of the literature. Rollins SD, et al. **Diagn Cytopathol** 1991;7(2):150–4 (19 ref.)
Endocardial metastases of follicular thyroid carcinoma: a case report and review of the literature. Clare-Salzler MJ, et al. **Eur J Surg Oncol** 1991 Apr;17(2):219–23 (20 ref.)
Tumors of the neck showing thymic or related branchial pouch differentiation: a unifying concept. Chan JK, et al. **Hum Pathol** 1991 Apr;22(4):349–67 (84 ref.)
Cutaneous metastasis from papillary carcinoma of the thyroid gland. Elgart GW, et al. **J Am Acad Dermatol** 1991 Aug; 25(2 Pt 2):404–8 (22 ref.)
Malignant transformation of a Hürthle cell tumor: case report and survey of the literature. McDonald RJ, et al. **J Nucl Med** 1991 Jun;32(6):1266–9 (38 ref.)
A case of familial adenomatous polyposis complicated by thyroid carcinoma, carcinoma of the ampulla of vater and adrenocortical adenoma. Ono C, et al. **Jpn J Surg** 1991 Mar;21(2):234–40 (34 ref.)
Thyroid and parathyroid cancer. Gluck WL. **Otolaryngol Clin North Am** 1990 Dec;23(6):1181–97 (56 ref.)
Mediastinal cysts and intrathoracic thyroid tumors. Wick MR. **Semin Diagn Pathol** 1990 Nov;7(4):285–94 (52 ref.)
[Cancer arising in a cyst of the thyroglossal tract] Bourguignat E, et al. **Ann Otolaryngol Chir Cervicofac** 1991; 108(1):21–5 (52 ref.) (Eng. Abstr.) **(Fre)**
[Unusual histological aspects of thyroid tumors] Rigaud C. **Ann Pathol** 1990;10(5–6):313–22 (127 ref.) **(Fre)**
[Thyrolipoma. A case report and review of the literature] Haouet S, et al. **Arch Anat Cytol Pathol** 1990;38(5–6):230–2 (10 ref.) (Eng. Abstr.) **(Fre)**
[Thyroid microcarcinoma with a fatal outcome and 34 other unusually aggressive cases reported in the literature] Satge D, et al. **Arch Anat Cytol Pathol** 1990;38(4):143–51 (52 ref.) (Eng. Abstr.) **(Fre)**
[Thyroid plasmacytoma with amyloid deposits. Report of a case and review of the literature] Levesque H, et al. **Rev Med Interne** 1989 Nov–Dec;10(6):553–6 (27 ref.) **(Fre)**
[Pathology of 2A and 2B multiple endocrine neoplasia—a current assessment] Schröder S, et al. **Pathologe** 1991 May; 12(3):131–7 (64 ref.) **(Ger)**
[Malignant tumors associated with thyroid cancer in an autopsy material] Tiszlavicz L, et al. **Orv Hetil** 1991 Mar 17;132(11):575–8 (35 ref.) (Eng. Abstr.) **(Hun)**
[Sipple's syndrome: a case report] Takaha N, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1309–12 (10 ref.) (Eng. Abstr.) **(Jpn)**
[Occult papillary carcinoma of the thyroid presenting as a solitary pulmonary metastasis] Sasaki H, et al. **Nippon Naibunpi Gakkai Zasshi** 1991 Jun 20;67(6):655–65 (29 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

TSH and thyroid cancer. Williams ED. **Horm Metab Res Suppl** 1990;23:72–5 (27 ref.)

RADIONUCLIDE IMAGING

Endocrine imaging in the management of goiter and thyroid nodules: Part I. Beierwaltes WH. **J Nucl Med** 1991 Jul; 32(7):1455–61 (23 ref.)
Iodine 131 metaiodobenzylguanidine scintigraphy of medullary carcinoma of the thyroid [published erratum appears in South Med J 1991 Jul;84(7):816, 937] Skowsky WR, et al. **South Med J** 1991 May;84(5):636–41 (33 ref.)
Thyroid cancer presenting as a hot thyroid nodule: report of a case and review of the literature. Rubenfeld S, et al. **Thyroidol Clin Exp** 1988 Apr;(1):63–8 (51 ref.)
[New techniques of thyroid medical imaging. Value and limitations in the exploration of isolated thyroid nodules] Renard E, et al. **Ann Endocrinol (Paris)** 1990;51(3–4):155–60 (31 ref.) (Eng. Abstr.) **(Fre)**

RADIOTHERAPY

Acute radiation-induced pulmonary injury: computed tomography evaluation. Ikezoe J, et al. **Semin Ultrasound CT MR** 1990 Oct;11(5):409–16 (19 ref.)

SURGERY

Primary papillary carcinoma of a thyroglossal duct cyst: report of a case and literature review. Weiss SD, et al. **Br J Surg** 1991 Jan;78(1):87–9 (25 ref.)
Surgery in the treatment of thyroid cancer. Demeure MJ, et al. **Endocrinol Metab Clin North Am** 1990 Sep; 19(3):663–83 (161 ref.)
Thyroid cancer. Clark OH, et al. **Med Clin North Am** 1991 Jan;75(1):211–34 (158 ref.)
Complications in management of thyroid cancer. Loré JM Jr. **Semin Surg Oncol** 1991 Mar–Apr;7(2):120–5 (15 ref.)
[Decision-making for lymph node excision in surgery of thyroid cancer. Extemporaneous examination of the external supraclavicular lymph nodes] Proye C, et al. **Chirurgie** 1990;116(3):290–4; discussion 294–5 (28 ref.) (Eng. Abstr.) **(Fre)**
[Functional cervical lymph node excision with section of the sternocleidomastoid muscle] Rodier D, et al. **J Chir (Paris)** 1990 Dec;127(12):604–7 (10 ref.) (Eng. Abstr.) **(Fre)**
[Surgical treatment of thyroid cancer] Günther B. **Med Klin** 1990 Dec 15;85(12):719–24, 739 (85 ref.) **(Ger)**
[Surgical strategies in thyroid gland diseases in childhood and adolescence] Pistor G, et al. **Z Kinderchir** 1990 Dec; 45(6):342–8 (51 ref.) (Eng. Abstr.) **(Ger)**
[Hürthle cell tumor of the thyroid: which surgical approach?] Favia G, et al. **G Chir** 1989 Apr;10(4):163–6 (19 ref.) (Eng. Abstr.) **(Ita)**
[Thyroid nodule and carcinoma in children] Astudillo Neira PE, et al. **Cir Pediatr** 1988 Jul;1(3):124–7 (38 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Evaluation and medical management of thyroid cancer. Petersen MM, et al. **Cancer Treat Res** 1990;52:151–70 (120 ref.)
Treatment of thyroid malignancies. Kenady DE, et al. **Curr Opin Oncol** 1991 Feb;3(1):128–38 (141 ref.)
Long-term management of differentiated thyroid cancer. Ross DS. **Endocrinol Metab Clin North Am** 1990 Sep; 19(3):719–39 (98 ref.)

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the thyroid gland. Napalkov NP. **IARC Sci Publ** 1990;(99):539–72 (100 ref.)
Thyroid scintigraphy in small animals. Kintzer PP, et al. **Semin Vet Med Surg (Small Anim)** 1991 May;6(2):131–9 (20 ref.)

THYROID PEROXIDASE see **IODIDE PEROXIDASE**

THYROID STIMULATING HORMONE see **THYROTROPIN**

THYROID-STIMULATING HORMONE, ALPHA SUBUNIT see **GLYCOPROTEIN HORMONES, ALPHA SUBUNIT**

THYROID STIMULATING HORMONE RECEPTORS see **RECEPTORS, THYROTROPIN**

THYROID STORM see **THYROID CRISIS**

THYROIDECTOMY

Treatment of thyroid malignancies. Kenady DE, et al. **Curr Opin Oncol** 1991 Feb;3(1):128–38 (141 ref.)
Nonoperative techniques for tissue diagnosis in the management of thyroid nodules and goiters. Clark KC, et al. **Semin Surg Oncol** 1991 Mar–Apr;7(2):76–80 (38 ref.)

METHODS

Surgical treatment of substernal goiters. Maruotti RA, et al. **Int Surg** 1991 Jan–Mar;76(1):12–7 (19 ref.)
[The thyroid gland scintigram. A decision aid for the surgical approach in thyroid gland diseases?] Ladurner D. **Chirurg** 1990 Sep;61(9):647–9; discussion 649–50 (11 ref.) (Eng. Abstr.) **(Ger)**
[Surgical treatment of thyroid cancer] Günther B. **Med Klin** 1990 Dec 15;85(12):719–24, 739 (85 ref.) **(Ger)**

TRENDS

[Current status and trends in the surgery of the endocrine system] Fujimoto Y. **Nippon Naibunpi Gakkai Zasshi** 1990 Dec 20;66(12):1236–42 (29 ref.) **(Jpn)**

THYROIDITIS

Thyroiditis. Acute, subacute, and chronic. Singer PA. **Med Clin North Am** 1991 Jan;75(1):61–77 (82 ref.)

THYROIDITIS, AUTOIMMUNE

[Postpartum thyroiditis: silent thyroiditis] Wémeau JL. **Presse Med** 1991 Apr 6;20(13):601–6 (37 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Hashimoto's thyroiditis as a risk factor of thyroid lymphoma. Aozasa K. **Acta Pathol Jpn** 1990 Jul;40(7):459–68 (50 ref.)
Hashimoto's encephalopathy: a steroid-responsive disorder associated with high anti-thyroid antibody titers--report of 5 cases. Shaw PJ, et al. **Neurology** 1991 Feb;41(2 (Pt 1)):228–33 (28 ref.)

[Hashimoto's disease and hyperthyroidism] Ducornet B, et al. **Ann Med Interne (Paris)** 1991;142(3):181–96 (118 ref.) **(Fre)**

[Turner's syndrome and autoimmune dysthyroidism] Ortéga F, et al. **Rev Med Interne** 1990 Jul–Aug;11(4):333–5 (22 ref.) (Eng. Abstr.) **(Fre)**

[A case report of extended thymectomy in an elderly patient with myasthenia gravis associated with Hashimoto's disease] Mizutani S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Feb;39(2):228–31 (13 ref.) (Eng. Abstr.) **(Jpn)**

EPIDEMIOLOGY

Endemic goiter and endemic thyroid disorders. Gaitan E, et al. **World J Surg** 1991 Mar–Apr;15(2):205–15 (127 ref.)

ETIOLOGY

Yersinia enterocolitica and thyroid autoimmunity. Bech K. **Autoimmunity** 1990;7(4):291–4 (23 ref.)

Autoimmune thyroid diseases and enteropathogenic Yersinia enterocolitica. Wenzel BE, et al. **Autoimmunity** 1990; 7(4):295–303 (43 ref.)

Iodine in autoimmune thyroiditis. Sundick RS. **Immunol Ser** 1990;52:213–28 (46 ref.)

[Autoimmune pathology of the thyroid gland in rheumatoid arthritis and systemic lupus erythematosus] Serebriakov VG. **Revmatologiia (Mosk)** 1991 Jan–Mar;(1):30–3 (51 ref.) **(Rus)**

GENETICS

Mapping the autoepitopes of thyroglobulin. Rose NR, et al. **Isr J Med Sci** 1990 Dec;26(12):666–72 (37 ref.)

HISTORY

The discovery of thyroid autoimmunity. Rose NR. **Immunol Today** 1991 May;12(5):167–8 (3 ref.)

IMMUNOLOGY

Pathophysiology of Hashimoto's thyroiditis and hypothyroidism. Rapoport B. **Annu Rev Med** 1991;42:91–6 (22 ref.)

Shared thyroglobulin epitopes in autoimmune thyroiditis. Kong YC. **Immunol Ser** 1990;52:229–40 (31 ref.)

Thyroglobulin antibodies in experimental autoimmune thyroiditis. Vladutiu AO. **Immunol Ser** 1990;52:241–66 (129 ref.)

Thyroid–associated ophthalmopathy––a model for the association of organ–specific autoimmune disorders. Wall JR, et al. **Immunol Today** 1991 May;12(5):150–3 (31 ref.)

RADIONUCLIDE IMAGING

Endocrine imaging in the management of goiter and thyroid nodules: Part I. Beierwaltes WH. **J Nucl Med** 1991 Jul; 32(7):1455–61 (23 ref.)

THERAPY

Spontaneous autoimmune thyroiditis: new therapeutic strategies. Wick G, et al. **Immunol Ser** 1990;52:191–211 (68 ref.)

[Progress in endocrinological therapy of basedow's and Hashimoto's diseases] Nagataki S. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):364–7 (6 ref.) **(Jpn)**

THYROIDITIS, CHRONIC see **THYROIDITIS, AUTOIMMUNE**

THYROIDITIS, INFECTIOUS see **THYROIDITIS, SUPPURATIVE**

THYROIDITIS, LYMPHOCYTIC see **THYROIDITIS, AUTOIMMUNE**

THYROIDITIS, LYMPHOMATOUS see **THYROIDITIS, AUTOIMMUNE**

THYROIDITIS, SUBACUTE

DIAGNOSIS

[The diagnosis and therapy of de Quervain's subacute thyroiditis] Kujat C, et al. **Dtsch Med Wochenschr** 1991 Sep 20;116(38):1439–43 (21 ref.) **(Ger)**

THYROIDITIS, SUPPURATIVE

Recurrent acute suppurative thyroiditis. Skuza K, et al. **J Otolaryngol** 1991 Apr;20(2):126–9 (14 ref.)

ETIOLOGY

Recurrent acute suppurative thyroiditis. Skuza K, et al. **J Otolaryngol** 1991 Apr;20(2):126–9 (14 ref.)

THYROLIBERIN see **THYROTROPIN–RELEASING HORMONE**

THYROTOXIC CRISIS see **THYROID CRISIS**

THYROTOXIC STORM see **THYROID CRISIS**

THYROTOXICOSIS

Thyrotoxicosis in the critically ill. Reasner CA 2d, et al. **Crit Care Clin** 1991 Jan;7(1):57–74 (117 ref.)

CHEMICALLY INDUCED

Thyrotoxicosis induced by topical iodine application. Shetty KR, et al. **Arch Intern Med** 1990 Nov;150(11):2400–1 (9 ref.)

COMPLICATIONS

Coexisting hyperparathyroidism with thyrotoxicosis. McGowan DM, et al. **J Endocrinol Invest** 1991 Apr; 14(4):305–10 (33 ref.)

[Idiopathic atrial fibrillation and occult thyrotoxicosis] Giladi M, et al. **Harefuah** 1990 Jul;119(1–2):25–7 (40 ref.) **(Heb)**

EPIDEMIOLOGY

Endemic goiter and endemic thyroid disorders. Gaitan E, et al. **World J Surg** 1991 Mar–Apr;15(2):205–15 (127 ref.)

ETIOLOGY

Unusual types of thyrotoxicosis. Cavalieri RR, et al. **Adv Intern Med** 1991;36:271–86 (52 ref.)

Thyrotoxicosis caused by thyroid cancer. Paul SJ, et al. **Endocrinol Metab Clin North Am** 1990 Sep;19(3):593–612 (67 ref.)

PSYCHOLOGY

Psychiatric aspects of hyperthyroidism. Jadresic DP. **J Psychosom Res** 1990;34(6):603–15 (92 ref.)

THYROTROPIN

ANTAGONISTS & INHIBITORS

Role of thyroid stimulating hormone suppression in the management of thyroid cancer. Thomas CG Jr. **Semin Surg Oncol** 1991 Mar–Apr;7(2):115–9 (49 ref.)

BLOOD

The effect of diagnostic methodology on the sensitivity of the TRH stimulation test for depression: a literature review. Arana GW, et al. **Biol Psychiatry** 1990 Oct 15;28(8):733–7 (17 ref.)

METABOLISM

Use of sensitive TSH assay to determine optimal thyroid hormone therapy and avoid osteoporosis. Wartofsky L. **Annu Rev Med** 1991;42:341–5 (16 ref.)

PHYSIOLOGY

Antibodies to receptors by an auto–anti–idiotypic strategy. Erlanger BF. **Biochem Soc Trans** 1991 Feb;19(1):138–43 (30 ref.)

Thyrotropin (TSH) action on thyroid hormone deiodination and secretion: one aspect of thyrotropin regulation of thyroid cell biology. Köhrle J. **Horm Metab Res Suppl** 1990;23:18–28 (50 ref.)

TSH and thyroid cancer. Williams ED. **Horm Metab Res Suppl** 1990;23:72–5 (27 ref.)

Critical review of gangliosides and thyrotropin–releasing hormone in peripheral neuromuscular diseases. Bradley WG. **Muscle Nerve** 1990 Sep;13(9):833–42 (86 ref.)

SECRETION

[Extra–hormonal aspects of the central action of thyroliberin (TRH)] Przegaliński E. **Acta Physiol Pol** 1989;40 Suppl 34:115–26 (39 ref.) **(Pol)**

THYROTROPIN ALPHA SUBUNIT see **GLYCOPROTEIN HORMONES, ALPHA SUBUNIT**

THYROTROPIN RECEPTORS see **RECEPTORS, THYROTROPIN**

THYROTROPIN–RELEASING HORMONE

DIAGNOSTIC USE

The effect of diagnostic methodology on the sensitivity of the TRH stimulation test for depression: a literature review. Arana GW, et al. **Biol Psychiatry** 1990 Oct 15;28(8):733–7 (17 ref.)

PHARMACOLOGY

[Pharmacologic profile of protirelin tartrate] Angelucci L, et al. **Ann Ital Med Int** 1990 Jul–Sep;5(3 Pt 2):232–44 (106 ref.) (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

[Distribution and physiological functions of thyrotropin releasing hormone (TRH)] Wang GL. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul;21(3):275–8 (41 ref.) **(Chi)**

[Effect of neurohormones on the secretion of hormones of the anterior pituitary gland] Kosowicz J. **Acta Physiol Pol** 1989;40 Suppl 34:1–10 (16 ref.) **(Pol)**

[Extra–hormonal aspects of the central action of thyroliberin (TRH)] Przegaliński E. **Acta Physiol Pol** 1989;40 Suppl 34:115–26 (39 ref.) **(Pol)**

[Regulation of prolactin secretion at the cellular level] Bilinski M, et al. **Acta Physiol Pharmacol Latinoam** 1990; 40(4):437–98 (525 ref.) (Eng. Abstr.) **(Spa)**

THYROXINE

BLOOD

Euthyroid low thyroxine (T4) and triiodothyronine (T3) states in prematures and sick neonates. Fisher DA. **Pediatr Clin North Am** 1990 Dec;37(6):1297–312 (54 ref.)

THERAPEUTIC USE

Thyroxine replacement therapy [comment] Toft AD. **Clin Endocrinol (Oxf)** 1991 Feb;34(2):103–5 (29 ref.) Comment on: Clin Endocrinol (Oxf) 1991 Feb;34(2):115–8.

Conservative treatment and long term prophylactic thyroxine in the prevention of recurrence of multinodular goiter. Anderson PE, et al. **Surg Gynecol Obstet** 1990 Oct; 171(4):309–14 (23 ref.)

THYROXINE 5'–DEIODINASE see **IODIDE PEROXIDASE**

THYROXINE 5'–MONODEIODINASE see **IODIDE PEROXIDASE**

THYROXINE RECEPTORS see **RECEPTORS, THYROID HORMONE**

TIBIA

Surgical treatment of posterior tibial tendon dysfunctions. Quinn MR, et al. **Clin Podiatr Med Surg** 1991 Jul; 8(3):543–54 (20 ref.)

Resection and reconstruction for bone tumors in the proximal tibia. Yaw KM, et al. **Orthop Clin North Am** 1991 Jan; 22(1):133–48 (88 ref.)

Emergency resuscitation in children. The role of intraosseous infusion. Driggers DA, et al. **Postgrad Med** 1991 Mar; 89(4):129–32 (9 ref.)

Fibromyxoma of bone. Abdelwahab IF, et al. **Skeletal Radiol** 1991;20(2):95–8 (7 ref.)

Primary chemotherapy and delayed surgery for malignant fibrous histiocytoma of bone in the extremity. Bacci G, et al. **Tumori** 1990 Dec 31;76(6):537–42 (25 ref.)

ABNORMALITIES

The Weismann–Netter syndrome: a cause of bowed legs in childhood. Francis GL, et al. **Pediatrics** 1991 Aug; 88(2):334–7 (10 ref.)

[Congenital bowing and pseudoarthrosis of the tibia in children] Merloz P, et al. **Pediatrie** 1990;45(9):587–91 (15 ref.) (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

Large vessel occlusion with vasculitis in systemic lupus erythematosus. Harmon SM, et al. **South Med J** 1991 Sep; 84(9):1150–4 (25 ref.)

PATHOLOGY

[A manifestation suggesting juvenile spondylarthropathy: anterior tibial enthesitis. Apropos of 3 cases] Wendling D, et al. **Ann Pediatr (Paris)** 1991 Feb;38(2):103–6 (17 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Ten–year results of tibial osteotomy for medial gonarthrosis. The influence of overcorrection. Odenbring S, et al. **Arch Orthop Trauma Surg** 1991;110(2):103–8 (34 ref.)

Free vascularized fibula transfer in the management of congenital pseudarthrosis of the tibia. Manoylovic R, et al. **Microsurgery** 1991;12(3):170–4 (27 ref.)

TIBIAL FRACTURES

[Fractures of the tibial head. Classification, diagnosis, therapy (review)] Südkamp NP, et al. **Acta Chir Orthop Traumatol Cech** 1991 May;58(3):129–41 (10 ref.) **(Cze)**

CLASSIFICATION

Triplane fracture of the distal tibia: unusual case presentation and literature review. Kornblatt N, et al. **J Foot Surg** 1990 Sep–Oct;29(5):421–8 (15 ref.)

COMPLICATIONS

Knee ligament injuries combined with ipsilateral tibial and femoral diaphyseal fractures: the "floating knee". van Raay JJ, et al. **Arch Orthop Trauma Surg** 1991;110(2):75–7 (17 ref.)

Posttraumatic Aeromonas hydrophila osteomyelitis. Bonatus TJ, et al. **Orthopedics** 1990 Oct;13(10):1158–63 (31 ref.)

CONGENITAL

[Congenital bowing and pseudoarthrosis of the tibia in children] Merloz P, et al. **Pediatrie** 1990;45(9):587–91 (15 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

[Stress fractures of the tibia: uncommon mechanical complication of osteoarthritis of the knee. Report of 3 cases] Gacon G, et al. **Rev Chir Orthop** 1990;76(3):209–14 (16 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

[The biomechanics of osteosynthesis] Claes L. **Aktuel Probl Chir Orthop** 1990;34:32–8 (12 ref.) **(Ger)**

SURGERY

[Triplane fractures of the upper head of tibia. Apropos of 2 cases] Piétu G, et al. **Rev Chir Orthop** 1991;77(2):121–4 (16 ref.) (Eng. Abstr.) **(Fre)**

[Vascularized periosteal transplant. A review of a new therapeutic possibility] Stock W, et al. **Handchir Mikrochir Plast Chir** 1991 May;23(3):149–56 (56 ref.) (Eng. Abstr.) **(Ger)**

[Role of the fibula in distal tibial fracture] Heim U. **Z Unfallchir Versicherungsmed** 1990;83(4):187–95 (16 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Bridging bone gaps with the Ilizarov technique. Biologic principles. Alonso JE, et al. **Clin Plast Surg** 1991 Jul; 18(3):497–504 (29 ref.)

TIBIAL MENISCI see **MENISCI, TIBIAL**

TIC

Tourette syndrome and other tic disorders. Diagnosis, pathophysiology, and treatment. Singer HS, et al. **Medicine (Baltimore)** 1991 Jan;70(1):15–32 (200 ref.)

ETIOLOGY

[Multiple tics and Gilles de la Tourette syndrome] Müller K. **Monatsschr Kinderheilkd** 1991 Jun;139(6):330–5 (59 ref.) (Eng. Abstr.) **(Ger)**

TIC DOULOUREUX see **TRIGEMINAL NEURALGIA**

TICARCILLIN

PHARMACOLOGY

[New antimicrobial agent series XXXVII: potassium clavulanate/Ticarcillin sodium] Fujimori I. **Jpn J Antibiot** 1991 Apr;44(4):365–87 (31 ref.) **(Jpn)**

TICK CONTROL

Report of the FAO Expert Consultation on Revision of Strategies for the Control of Ticks and Tick-borne Diseases, Rome, 25–29 September 1989. **Parassitologia** 1990 Apr;32(1):3–12 (0 ref.)

Summing-up of strategies for tick-borne disease control in Africa, especially east Africa. Lawrence JA. **Parassitologia** 1990 Apr;32(1):113–5 (0 ref.)

Methods currently used for the control of East Coast fever: their validity and proposals for future control strategies. Musisi FL. **Parassitologia** 1990 Apr;32(1):15–22 (16 ref.)

The impact of natural infestations of ticks in Zambia on the productivity of cattle and implications for tick control strategies in central Africa. Pegram RG, et al. **Parassitologia** 1990 Apr;32(1):165–75 (12 ref.)

Methods currently used for the control of heartwater: their validity and proposals for future control strategies. Uilenberg G. **Parassitologia** 1990 Apr;32(1):55–62 (25 ref.)

Perspectives for subunit vaccines for the control of ticks. Willadsen P. **Parassitologia** 1990 Apr;32(1):195–200 (17 ref.)

Control of Theileria species (other than East Coast fever and Theileria annulata infection), Ehrlichia and tick toxicosis: present situation and proposals for future control strategies. Young AS. **Parassitologia** 1990 Apr;32(1):41–54 (81 ref.)

METHODS

Amblyomma variegatum and associated diseases in the Caribbean: strategies for control and eradication in Guadeloupe. Camus E, et al. **Parassitologia** 1990 Apr; 32(1):185–93 (17 ref.)

Summing-up of strategies for the control of ticks in Africa. Chema S. **Parassitologia** 1990 Apr;32(1):201–2 (0 ref.)

Methods currently used for the control of multi-host ticks: their validity and proposals for future control strategies. Chizyuka HG, et al. **Parassitologia** 1990 Apr;32(1):127–32 (21 ref.)

Summing-up of strategies for the control of ticks in regions of the world other than Africa. George JE. **Parassitologia** 1990 Apr;32(1):203–9 (12 ref.)

Methods currently used for the control of one-host ticks: their validity and proposals for future control strategies. Nari A. **Parassitologia** 1990 Apr;32(1):133–43 (36 ref.)

Application of biotechnology for the diagnosis and control of ticks and tick-borne diseases. Stiller D. **Parassitologia** 1990 Apr;32(1):87–111 (125 ref.)

Control of ticks. Garris GI. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):173–83 (33 ref.)

[Methods for suppressing the population count of pasture ixodid ticks] Naumov RL, et al. **Med Parazitol (Mosk)** 1991 Jan–Feb;(1):52–7 (70 ref.) (Eng. Abstr.) **(Rus)**

TICK INFESTATIONS

PARASITOLOGY

Biology of ticks. Cupp EW. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):1–26 (73 ref.)

VETERINARY

Amblyomma variegatum and associated diseases in the Caribbean: strategies for control and eradication in Guadeloupe. Camus E, et al. **Parassitologia** 1990 Apr; 32(1):185–93 (17 ref.)

Summing-up of strategies for the control of ticks in Africa. Chema S. **Parassitologia** 1990 Apr;32(1):201–2 (0 ref.)

Methods currently used for the control of multi-host ticks: their validity and proposals for future control strategies. Chizyuka HG, et al. **Parassitologia** 1990 Apr;32(1):127–32 (21 ref.)

Summing-up of strategies for the control of ticks in regions of the world other than Africa. George JE. **Parassitologia** 1990 Apr;32(1):203–9 (12 ref.)

Methods currently used for the control of one-host ticks: their validity and proposals for future control strategies. Nari A. **Parassitologia** 1990 Apr;32(1):133–43 (36 ref.)

Acaricide resistance in single and multi-host ticks and strategies for control. Nolan J. **Parassitologia** 1990 Apr; 32(1):145–53 (19 ref.)

The impact of pure infestations of Rhipicephalus appendiculatus and Amblyomma hebraeum on the productivity of cattle and implications for tick control strategies in Africa. Norval RA. **Parassitologia** 1990 Apr; 32(1):155–63 (38 ref.)

The impact of natural infestations of ticks in Zambia on the productivity of cattle and implications for tick control strategies in central Africa. Pegram RG, et al. **Parassitologia** 1990 Apr;32(1):165–75 (12 ref.)

Perspectives for subunit vaccines for the control of ticks. Willadsen P. **Parassitologia** 1990 Apr;32(1):195–200 (17 ref.)

Control of ticks. Garris GI. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):173–83 (33 ref.)

Dermatologic aspects of tick bites and tick-transmitted diseases. Merchant SR, et al. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):145–55 (33 ref.)

TICK PARALYSIS

VETERINARY

Tick paralysis in North America and Australia. Malik R, et al. **Vet Clin North Am Small Anim Pract** 1991 Jan; 21(1):157–71 (50 ref.)

TICK TOXICOSES

VETERINARY

Control of Theileria species (other than East Coast fever and Theileria annulata infection), Ehrlichia and tick toxicosis: present situation and proposals for future control strategies. Young AS. **Parassitologia** 1990 Apr;32(1):41–54 (81 ref.)

TICKS

Tick-borne diseases. Doan-Wiggins L. **Emerg Med Clin North Am** 1991 May;9(2):303–25 (62 ref.)

Report of the FAO Expert Consultation on Revision of Strategies for the Control of Ticks and Tick-borne Diseases, Rome, 25–29 September 1989. **Parassitologia** 1990 Apr;32(1):3–12 (0 ref.)

Amblyomma variegatum and associated diseases in the Caribbean: strategies for control and eradication in Guadeloupe. Camus E, et al. **Parassitologia** 1990 Apr; 32(1):185–93 (17 ref.)

Summing-up of strategies for tick-borne disease control in regions of the world other than Africa. Pipano E, et al. **Parassitologia** 1990 Apr;32(1):117–25 (48 ref.)

[Ticks and Lyme disease] Sáez S, et al. **Enferm Infecc Microbiol Clin** 1991 Feb;9(2):111–5 (17 ref.) **(Spa)**

CLASSIFICATION

A review of the ixodid ticks (Acari, Ixodidae) occurring in southern Africa. Walker JB. **Onderstepoort J Vet Res** 1991 Jun;58(2):81–105 (181 ref.)

[The taxonomic aspects of the transmission of the causative agent of Lyme disease] Filippova NA. **Parazitologiia** 1990 Jul–Aug;24(4):257–67 (58 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Perspectives for subunit vaccines for the control of ticks. Willadsen P. **Parassitologia** 1990 Apr;32(1):195–200 (17 ref.)

MICROBIOLOGY

Lyme borreliosis: relation of its causative agent to its vectors and hosts in North America and Europe. Lane RS, et al. **Annu Rev Entomol** 1991;36:587–609 (129 ref.)

[First isolation of Borrelia burgdorferi (Lyme spirochaeta) from ticks in Hungary] Lakos A, et al. **Orv Hetil** 1991 Jan 20;132(3):129–30, 133–4 (39 ref.) (Eng. Abstr.) **(Hun)**

PARASITOLOGY

Interaction between parasite and tick vector. Friedhoff KT. **Int J Parasitol** 1990 Jul;20(4):525–35 (54 ref.)

Theileria parva: influence of vector, parasite and host relationships on the epidemiology of theileriosis in southern Africa. Norval RA, et al. **Parasitology** 1991 Jun;102 Pt 3:347–56 (74 ref.)

PATHOGENICITY

[Methods for suppressing the population count of pasture ixodid ticks] Naumov RL, et al. **Med Parazitol (Mosk)** 1991 Jan–Feb;(1):52–7 (70 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Off-host physiological ecology of ixodid ticks. Needham GR, et al. **Annu Rev Entomol** 1991;36:659–81 (97 ref.)

Lyme disease. Buchstein SR, et al. **Infect Dis Clin North Am** 1991 Mar;5(1):103–16 (75 ref.)

Acaricide resistance in single and multi-host ticks and strategies for control. Nolan J. **Parassitologia** 1990 Apr; 32(1):145–53 (19 ref.)

Biology of ticks. Cupp EW. **Vet Clin North Am Small Anim Pract** 1991 Jan;21(1):1–26 (73 ref.)

TICLOPIDINE

THERAPEUTIC USE

Current use of antiplatelet drugs in stroke syndromes in the USA. Nelson E. **Ann N Y Acad Sci** 1990;598:368–75 (19 ref.)

Ticlopidine. An updated review of its pharmacology and therapeutic use in platelet-dependent disorders [published erratum appears in Drugs 1990 Oct;40(4):following Table of Contents] McTavish D, et al. **Drugs** 1990 Aug; 40(2):238–59 (122 ref.)

TIME

Time as a commodity: reflections and implications. Peloquin SM. **Am J Occup Ther** 1991 Feb;45(2):147–54 (26 ref.)

TIME PERCEPTION

Perceptual information for the timing of interceptive action. Tresilian JR. **Perception** 1990;19(2):223–39 (51 ref.)

PHYSIOLOGY

Role of the hippocampus in temporal and spatial navigation: an adaptive neural network. Schmajuk NA. **Behav Brain Res** 1990 Aug 20;39(3):205–29 (92 ref.)

[The structural prerequisites for the temporal support of neural activity] Mering TA. **Usp Fiziol Nauk** 1990 Oct–Dec;21(4):103–22 (140 ref.) **(Rus)**

TIME-RESOLVED IMMUNOFLUOROMETRIC ASSAY see **FLUOROIMMUNOASSAY**

TIMED-RELEASE PREPARATIONS see **DELAYED-ACTION PREPARATIONS**

TIMED VITAL CAPACITY see **FORCED EXPIRATORY VOLUME**

TIMIDITY see **SHYNESS**

TIN

see related
ORGANOTIN COMPOUNDS

TINEA

DRUG THERAPY

Oxiconazole nitrate: pharmacology, efficacy, and safety of a new imidazole antifungal agent. Jegasothy BV, et al. **Clin Ther** 1991 Jan–Feb;13(1):126–41 (30 ref.)

[Clinical aspects and therapy of dermatophytosis (tinea)] Tausch I. **Z Arztl Fortbild (Jena)** 1990;84(23):1188–91 (15 ref.) **(Ger)**

TRANSMISSION

Fungal skin infections associated with animal contact. Radentz WH. **Am Fam Physician** 1991 Apr;43(4):1253–6 (10 ref.)

TINEA UNGUIUM

MICROBIOLOGY

Onychomycosis. Degreef H. **Br J Clin Pract Symp Suppl** 1990 Sep;71:91–7 (21 ref.)

TINEA VERSICOLOR

DRUG THERAPY

Itraconazole in tinea versicolor: a review. Delescluse J. **J Am Acad Dermatol** 1990 Sep;23(3 Pt 2):551–4 (24 ref.)

TINIDAZOLE

ADVERSE EFFECTS

[Neuropathy caused by metronidazole. Report of a case and review of the literature] Pita-Ramírez L, et al. **Rev Invest Clin** 1990 Oct–Dec;42(4):281–4 (20 ref.) (Eng. Abstr.) **(Spa)**

TINNITUS

Tinnitus. Marion MS, et al. **Mayo Clin Proc** 1991 Jun; 66(6):614–20 (32 ref.)

[Tinnitus] Wang L. **Chung Hua Erh Pi Yen Hou Ko Tsa Chih** 1988;23(3):181–3 (15 ref.) **(Chi)**

DIAGNOSIS

[A multicenter double blind versus placebo study of trimetazidine in tinnitus. Measurements of tinnitus] Labaeye P, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107 Suppl 1:68–70 (0 ref.) **(Fre)**

PHYSIOPATHOLOGY

On the pathophysiology of tinnitus; a review and a peripheral model. Eggermont JJ. **Hear Res** 1990 Sep;48(1–2):111–23 (35 ref.)

Phantom auditory perception (tinnitus): mechanisms of generation and perception. Jastreboff PJ. **Neurosci Res** 1990 Aug;8(4):221–54 (304 ref.)

Palatal myoclonus and tinnitus in children. Fox GN, et al. **West J Med** 1991 Jan;154(1):98–102 (24 ref.)

PSYCHOLOGY

[New aspects of complex chronic tinnitus. II: The lost silence: effects and psychotherapeutic possibilities in complex chronic tinnitus] Goebel G, et al. **Psychother Psychosom Med Psychol** 1991 Mar–Apr; 41(3–4):123–33 (62 ref.) (Eng. Abstr.) **(Ger)**

TIOPRONIN see **MERCAPTOPROPIONYLGLYCINE**

TISSUE ADHESIVES

see related
BONE CEMENTS

Adhesives in retinal detachment surgery. Gilbert CE. **Br J Ophthalmol** 1991 May;75(5):309–10 (10 ref.)

ADMINISTRATION & DOSAGE

[Advances in the treatment of pneumothorax with pleural adhesion therapy] Deng GJ. **Chung Hua Chieh Ho Ho Hu Hsi Tsa Chih** 1991 Feb; 14(1):42–3 (11 ref.) **(Chi)**

[Prevention of postoperative suppurative-inflammatory complications in gastrointestinal surgery] Gataullin NG, et al. **Khirurgiia (Mosk)** 1990 Sep;(9):160–3 (78 ref.) **(Rus)**

TISSUE BANKS

Serum and tissue banks for biological markers. Whiteside TL, et al. **Immunol Ser** 1990;53:55–68 (20 ref.)

[Risks of a cartilage-bone bank with reference to HIV infection] Schadel A, et al. **HNO** 1991 May;39(5):177–81 (45 ref.) (Eng. Abstr.) **(Ger)**

ORGANIZATION & ADMINISTRATION

A simplified protocol for banking bone from surgical donors requiring a 90-day quarantine and an HIV-1 antibody test. La Prairie AJ, et al. **Can J Surg** 1991 Feb;34(1):41–8 (61 ref.)

Epidemiologic issues in the design and use of biologic specimen banks. Winn DM, et al. **Epidemiol Rev** 1990; 12:56–70 (77 ref.)

STANDARDS

Procurement, banking and decontamination of bone and collagenous tissue allografts: guidelines for infection control. Angermann P, et al. **J Hosp Infect** 1991 Mar; 17(3):159–69 (83 ref.)

TISSUE CAGES see **DIFFUSION CHAMBERS, CULTURE**

TISSUE COMPATIBILITY see **HISTOCOMPATIBILITY**

TISSUE CULTURE

see related
CELL LINE
CELLS, CULTURED
CLONE CELLS
TUMOR CELLS, CULTURED
VIRUS CULTIVATION

METHODS

Three-dimensional histoculture: origins and applications in cancer research. Hoffman RM. **Cancer Cells** 1991 Mar; 3(3):86–92 (75 ref.)

Contribution of in vitro culture methods for respiratory epithelial cells to the study of the physiology of the respiratory tract. Jorissen M, et al. **Eur Respir J** 1991 Feb; 4(2):210–7 (94 ref.)

The culture of postimplantation embryos. New DA. **Hum Reprod** 1991 Jan;6(1):58–63 (40 ref.)

The construction of high efficiency human bone marrow tissue ex vivo. Emerson SG, et al. **J Cell Biochem** 1991 Mar;45(3):268–72 (35 ref.)

Long-term marrow cultures: human and murine systems. Quesenberry P, et al. **J Cell Biochem** 1991 Mar;45(3):273–8 (44 ref.)

Formation of cartilage tissue in vitro. Solursh M. **J Cell Biochem** 1991 Mar;45(3):258–60 (22 ref.)

TISSUE DISTRIBUTION

Physiological basis of multicompartmental models of drug distribution. Atkinson AJ Jr, et al. **Trends Pharmacol Sci** 1991 Mar;12(3):96–101 (24 ref.)

TISSUE DONORS

Paediatric bone marrow transplantation using donors other than HLA genotypically identical siblings. Hows JM. **Arch Dis Child** 1991 Apr;66(4):546–50 (28 ref.)

The world experience with unrelated donor transplants. Beatty PG. **Bone Marrow Transplant** 1991;7 Suppl 1:54–8 (15 ref.)

Anaesthetic management of the brain dead for organ donation. Gelb AW, et al. **Can J Anaesth** 1990 Oct; 37(7):806–12 (28 ref.)

Selection of marrow donors for patients lacking an HLA-identical sibling. Anasetti C, et al. **Cancer Treat Res** 1990;50:129–40 (28 ref.)

Bone marrow transplantation for acute nonlymphocytic leukemia (ANL). Appelbaum FR. **Cancer Treat Res** 1990; 50:201–22 (88 ref.)

Bone marrow transplantation: introduction and overview. Champlin RE. **Cancer Treat Res** 1990;50:1–7 (25 ref.)

Kidney transplantation from anencephalic donors. Report of 5 cases and a review of the literature. Gomez-Campderà FJ, et al. **Child Nephrol Urol** 1990;10(3):143–9 (32 ref.)

The organ donor. Brayman KL, et al. **Crit Care Clin** 1990 Oct;6(4):821–39 (138 ref.)

Is altruism enough? Required request and the donation of cadaver organs and tissues in the United States. Caplan AL, et al. **Crit Care Clin** 1990 Oct;6(4):1007–18 (15 ref.)

Oocyte and embryo donation. Nulsen JC, et al. **Curr Opin Obstet Gynecol** 1989 Oct;1(1):55–9 (9 ref.)

Anencephalic infants as organ donors: the medical, legal, moral and economic issues. The Bioethics Committee of Arkansas Children's Hospital. Taylor BJ, et al. **J Arkansas Med Soc** 1990 Oct;87(5):184–7 (10 ref.)

Obtaining consent for organ donation: the role of the healthcare profession. Rudy LA, et al. **J S C Med Assoc** 1991 Jun;87(6):307–10 (5 ref.)

Hyperfiltration-induced renal injury in normal man: myth or reality. Steckler RE, et al. **J Urol** 1990 Dec; 144(6):1323–7 (67 ref.)

Brainstem death: the evolution of a concept. Pallis C. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):135–52 (123 ref.)

TISSUE EXPANSION

Tissue expansion. Swanson NA, et al. **Adv Dermatol** 1988; 3:243–58 (12 ref.)

Fundamentals of expanded tissue. Baker SR. **Head Neck** 1991 Jul–Aug;13(4):327–33 (26 ref.)

METHODS

Soft-tissue expansion in lower extremity reconstruction. Borges Filho PT, et al. **Clin Plast Surg** 1991 Jul;18(3):593–9 (17 ref.)

[Use of the greater omentum in thoracic surgery] Levashev IuN, et al. **Grud Serdechnososudistaia Khir** 1990;(10):72–4 (55 ref.) **(Rus)**

TRENDS

Tissue expansion: past, present, and future. Marcus J, et al. **J Am Acad Dermatol** 1990 Nov;23(5 Pt 1):813–25 (75 ref.)

TISSUE EXTRACTS

THERAPEUTIC USE

[Current and future aspects of chondroprotective treatments (editorial)] Bannwarth B, et al. **Presse Med** 1991 Apr 20; 20(15):683–5 (10 ref.) **(Fre)**

TISSUE FACTOR see **THROMBOPLASTIN**

TISSUE PRESERVATION

METHODS

A simplified protocol for banking bone from surgical donors requiring a 90-day quarantine and an HIV-1 antibody test. La Prairie AJ, et al. **Can J Surg** 1991 Feb;34(1):41–8 (61 ref.)

[Endothelial protection in surgical interventions and corneal donor tissue] Hartmann C. **Fortschr Ophthalmol** 1990;87 Suppl:S198–205 (48 ref.) (Eng. Abstr.) **(Ger)**

TISSUE PROCUREMENT see **ORGAN PROCUREMENT**

TISSUE THROMBOPLASTIN see **THROMBOPLASTIN**

TISSUE TRANSPLANTATION

see related
TISSUE DONORS
TISSUE PRESERVATION

Use of autogenous materials in reconstructing the anophthalmic socket. Petrelli RL. **Adv Ophthalmic Plast Reconstr Surg** 1990;8:153–69 (24 ref.)

Cellular transplants. Ricordi C, et al. **Transplant Proc** 1991 Feb;23(1 Pt 1):73–6 (47 ref.)

Progress in free tissue transfer. O'Brien BM, et al. **World J Surg** 1990 Nov–Dec;14(6):786–95 (111 ref.)

PSYCHOLOGY

Psychological and psychiatric aspects of organ and tissue transplantation. Roberts JM. **J S C Med Assoc** 1991 Jun; 87(6):355–7 (10 ref.)

TISSUE-TYPE PLASMINOGEN ACTIVATOR see **PLASMINOGEN ACTIVATOR, TISSUE-TYPE**

TISSUE TYPING see **HISTOCOMPATIBILITY TESTING**

TITANIUM

Clinical experience with titanium implants, especially with the limited contact dynamic compression plate system. Matter P, et al. **Arch Orthop Trauma Surg** 1990;109(6):311–3 (5 ref.)

Titanium endosseous implant-soft tissue interface: a literature review. Donley TG, et al. **J Periodontol** 1991 Feb; 62(2):153–60 (50 ref.)

[The Wurzburg titanium miniplate system: evaluation of 3-year utilization] Couvreur J, et al. **Acta Stomatol Belg** 1990 Dec;87(4):272–82 (11 ref.) (Eng. Abstr.) **(Dut)**

TLV see **MAXIMUM PERMISSIBLE EXPOSURE LEVEL**

TMJ SYNDROME see **TEMPOROMANDIBULAR JOINT SYNDROME**

TN ELEMENTS see **DNA INSERTION ELEMENTS**

TNF-ALPHA see **TUMOR NECROSIS FACTOR**

TNF-BETA see **LYMPHOTOXIN**

TOAD, FIRE-BELLIED see **ANURA**

TOADS AND FROGS see **ANURA**

TOBACCO

see related
NICOTINE
SMOKING
TOBACCO USE DISORDER

ANALYSIS

Analytical studies on tobacco-specific N-nitrosamines in tobacco and tobacco smoke. Brunnemann KD, et al. **Crit Rev Toxicol** 1991;21(4):235–40 (32 ref.)

GENETICS

Engineering plant male sterility using a cell-restricted cytotoxin. Lichtenstein C. **Trends Biochem Sci** 1990 Dec; 15(12):453–4 (8 ref.)

TOBACCO DEPENDENCE see **TOBACCO USE DISORDER**

TOBACCO MOSAIC VIRUS

GENETICS

Regulation of tobamovirus gene expression. Dawson WO, et al. **Adv Virus Res** 1990;38:307–42 (153 ref.)

[Tobacco mosaic virus: molecular biology and pathology] Okada Y. **Tanpakushitsu Kakusan Koso** 1991 Feb;

36(2):101–14 (58 ref.) **(Jpn)**

ULTRASTRUCTURE

Switching in the self-assembly of tobacco mosaic virus. Caspar DL, et al. **Adv Biophys** 1990;26:157–85 (63 ref.)

TOBACCO SMOKE POLLUTION

ADVERSE EFFECTS

Environmental tobacco smoke (ETS) in airliners—a health hazard evaluation. Crawford WA, et al. **Aviat Space Environ Med** 1991 Jun;62(6):580–6 (22 ref.)

Passive smoking and heart disease. Epidemiology, physiology, and biochemistry. Glantz SA, et al. **Circulation** 1991 Jan;83(1):1–12 (71 ref.)

Reactive changes in the blood of smokers and the development of arterial diseases and COPD, a review: evidence of associations between changes and subsequent disease with implications for the evaluation of harmful effects of cigarettes, and for susceptibility to the chronic effects of inhaled pollutants. Anthony HM. **Rev Environ Health** 1989 Jan–Dec;8(1–4):25–86 (472 ref.)

[Role of anatomopathological studies in the evaluation of the risk of lung cancer caused by passive smoking] Faccini JM. **Rev Mal Respir** 1990;7(6):529–33 (27 ref.) (Eng. Abstr.) **(Fre)**

[Passive smoking] Zellweger JP. **Schweiz Rundsch Med Prax** 1991 Apr 30;80(18):492–5 (25 ref.) (Eng. Abstr.) **(Fre)**

[Etiology of bronchial cancer: smoking, passive smoking, environment and occupation] Schmähl D. **Pneumologie** 1991 Apr;45(4):134–6 (7 ref.) (Eng. Abstr.) **(Ger)**

ANALYSIS

Importance of exposure to gaseous and particulate phase components of tobacco smoke in active and passive smokers. Scherer G, et al. **Int Arch Occup Environ Health** 1990;62(6):459–66 (39 ref.)

TOBACCO, SMOKELESS

Smokeless tobacco: current status and future directions. Hatsukami D, et al. **Br J Addict** 1991 May;86(5):559–63 (29 ref.)

ADVERSE EFFECTS

Remission of precancerous lesions in the oral cavity of tobacco chewers and maintenance of the protective effect of beta-carotene or vitamin A. Stich HF, et al. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):298S–304S (45 ref.)

ANALYSIS

Occurrence of and exposure to N-nitrosamines in Sweden: a review. Osterdahl BG. **IARC Sci Publ** 1991;(105):235–7 (7 ref.)

METABOLISM

Tobacco smoking, chewing, and snuff dipping: factors contributing to the endogenous formation of N-nitroso compounds. Tsuda M, et al. **Crit Rev Toxicol** 1991; 21(4):243–53 (74 ref.)

TOBACCO USE DISORDER

EPIDEMIOLOGY

Smokeless tobacco: current status and future directions. Hatsukami D, et al. **Br J Addict** 1991 May;86(5):559–63 (29 ref.)

PREVENTION & CONTROL

Progress and problems in international public health efforts to reduce tobacco usage. Pierce JP. **Annu Rev Public Health** 1991;12:383–400 (59 ref.)

Nicotine dependence: a preventable risk factor for other diseases. Cohen C, et al. **J Gen Intern Med** 1990 Sep–Oct; 5(5 Suppl):S73–8 (26 ref.)

REHABILITATION

Antismoking products. Gourlay SG, et al. **Med J Aust** 1990 Dec 3–17;153(11–12):699–707 (94 ref.)

TOCODYNAMOMETRY see **CARDIOTOCOGRAPHY**

TOCOGRAPHY see **CARDIOTOCOGRAPHY**

TOCOLYTIC AGENTS

[Tocolysis] Buben K. **Cesk Gynekol** 1990 Jul;55(6):440–7 (35 ref.) **(Cze)**

ADVERSE EFFECTS

Drug therapy during pregnancy. Niebyl JR. **Curr Opin Obstet Gynecol** 1991 Feb;3(1):24–7 (18 ref.)

THERAPEUTIC USE

Reversing acute intrapartum fetal distress using tocolytic drugs. Smith CV. **Clin Obstet Gynecol** 1991 Jun;34(2):352–9 (41 ref.)

TOCOPHEROL see **VITAMIN E**

TOE JOINT

SURGERY

Arthrodesis of the first metatarsophalangeal joint: a review of the literature and long-term retrospective analysis. Gregory JL, et al. **J Foot Surg** 1990 Jul–Aug;29(4):369–74 (21 ref.)

TOES

Renal cell carcinoma with acrometastasis: report of two cases and review of the literature. Troncoso A, et al. **Mod Pathol** 1991 Jan;4(1):66–9 (28 ref.)

ABNORMALITIES

Adams-Oliver syndrome associated with congenital heart defect: not a coincidence. [letter] David A, et al. **Am J Med Genet** 1991 Jul 1;40(1):126–7 (5 ref.)

Mesomelic dysplasia with absence of fibulae and hexadactyly: Nievergelt syndrome or new syndrome? Petrella R, et al. **Am J Med Genet** 1990 Sep;37(1):10–4 (16 ref.)

Polydactyly of the foot in adults: literature review and unusual case presentation with diagnostic and treatment recommendations. Coppolelli BG, et al. **J Foot Surg** 1991 Jan–Feb;30(1):12–8 (19 ref.)

Desyndactyly: a literature review. Juris RS, et al. **J Foot Surg** 1990 Sep–Oct;29(5):463–70 (32 ref.)

Congenital malalignment of the great toenails: case report and literature review. Cohen PR. **Pediatr Dermatol** 1991 Mar;8(1):43–5 (22 ref.)

Tetra-oligodactyly with bilateral aplasia and hypoplasia of long bones of upper and lower limbs: a variable manifestation of the syndrome of ectrodactyly with tibial aplasia. Sener RN, et al. **Pediatr Radiol** 1990;21(1):57–61 (11 ref.)

BLOOD SUPPLY

[Barré-Masson glomus tumors] Kurguzov OP, et al. **Khirurgiia (Mosk)** 1991 Mar;(3):134–41 (114 ref.) **(Rus)**

SURGERY

Dermatofibrosarcoma protuberans of the toe. Kraemer BA, et al. **Ann Plast Surg** 1990 Oct;25(4):295–8 (45 ref.)

TRANSPLANTATION

The role of nonvascularized toe phalanx transplantation. Buck-Gramcko D. **Hand Clin** 1990 Nov;6(4):643–59 (35 ref.)

Toe transfer for congenital hand defects. Eaton CJ, et al. **Microsurgery** 1991;12(3):186–95 (134 ref.)

TOGAVIRIDAE

CLASSIFICATION

[Variability of RNA viruses as exemplified by Togaviruses] Koblet H. **Schweiz Med Wochenschr** 1991 Feb 23; 121(8):239–44 (18 ref.) **(Ger)**

TOGAVIRUS INFECTIONS

EPIDEMIOLOGY

[The Ockelbo disease, nephropathia epidemica and tularemia. A great deal is known about the infectious diseases in the north—but quite a few question-marks are left] Tärnvik A. **Lakartidningen** 1991 Jul 24;88(30–31):2515–8 (15 ref.) **(Swe)**

TOILET TRAINING

Toileting problems in children. Christophersen ER. **Pediatr Ann** 1991 May;20(5):240–4 (15 ref.)

TOKEN ECONOMY

Token economy approaches for psychiatric patients. Progress and pitfalls over 25 years. Glynn SM. **Behav Modif** 1990 Oct;14(4):383–407 (60 ref.)

TOKEN REINFORCEMENT see **TOKEN ECONOMY**

TOLMETIN

ANALOGS & DERIVATIVES

Ketorolac: an injectable NSAID. DiPalma JR. **Am Fam Physician** 1991 Jan;43(1):207–10 (16 ref.)

Ketorolac, an injectable nonnarcotic analgesic [see comments] Litvak KM, et al. **Clin Pharm** 1990 Dec; 9(12):921–35 (135 ref.) Comment in: Clin Pharm 1990 Dec;9(12):938.

Ketorolac tromethamine. Jay GT. **Conn Med** 1991 May; 55(5):288–90 (21 ref.)

Ketorolac: a parenteral nonsteroidal antiinflammatory drug. Resman-Targoff BH. **DICP** 1990 Nov;24(11):1098–104 (51 ref.)

Ketorolac tromethamine pharmacokinetics and metabolism after intravenous, intramuscular, and oral administration in humans and animals. Mroszczak EJ, et al. **Pharmacotherapy** 1990;10(6 (Pt 2)):33S–39S (6 ref.)

TOLOSA-HUNT SYNDROME see **OPHTHALMOPLEGIA**

TOLUENE

ADVERSE EFFECTS

The neurological sequelae to toluene inhalation. Smith MS. **J R Nav Med Serv** 1990 Summer;76(2):69–74 (32 ref.)

Human solvent exposure. Factors influencing the pharmacokinetics and acute toxicity. Baelum J. **Pharmacol Toxicol** 1991;68 Suppl 1:1–36 (226 ref.)

METABOLISM

The TOL plasmids: determinants of the catabolism of toluene and the xylenes. Assinder SJ, et al. **Adv Microb Physiol** 1990;31:1–69 (190 ref.)

PHARMACOKINETICS

Human solvent exposure. Factors influencing the pharmacokinetics and acute toxicity. Baelum J. **Pharmacol Toxicol** 1991;68 Suppl 1:1–36 (226 ref.)

POISONING

[Chronic toluene poisoning] Ferreiro JL, et al. **Neurologia** 1990 Jun–Jul;5(6):205–7 (13 ref.) (Eng. Abstr.) **(Spa)**

TOXICITY

Persisting neurotoxic consequences of solvent abuse: a developing animal model for toluene-induced neurotoxicity. Pryor GT. **NIDA Res Monogr** 1990; 101:156–66 (27 ref.)

TOLUENE DIISOCYANATE

ADVERSE EFFECTS

Bronchial hyperresponsiveness, airway inflammation and occupational asthma induced by toluene diisocyanate. Fabbri LM, et al. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:42–7 (31 ref.)

TOLUIDINES

TOXICITY

Xylene/amitraz: a pharmacologic review and profile. Jones RD. **Vet Hum Toxicol** 1990 Oct;32(5):446–8 (30 ref.)

[4-Chloro-o-toluidine-induced bladder cancer] Stasik MJ. **Dtsch Med Wochenschr** 1991 Sep 20;116(38):1444–7 (50 ref.) **(Ger)**

TOLYLENE DIISOCYANATE see **TOLUENE DIISOCYANATE**

TOMATINE

ANALOGS & DERIVATIVES

Spirosolane-containing Solanum species and induction of congenital craniofacial malformations. Keeler RF, et al. **Toxicon** 1990;28(8):873–84 (27 ref.)

TOMODENSITOMETRY see **TOMOGRAPHY, X-RAY COMPUTED**

TOMOGRAPHY

METHODS

Tomographic views of normal and abnormal hearts: the anatomic basis for various cardiac imaging techniques. Part II. Waller BF, et al. **Clin Cardiol** 1990 Dec;13(12):877–84 (9 ref.)

Quantification in impedance imaging. Barber DC. **Clin Phys Physiol Meas** 1990;11 Suppl A:45–56 (13 ref.)

[Electrical impedance tomography] Kanai H. **Nippon Rinsho** 1991 Apr;49(4):968–74 (12 ref.) **(Jpn)**

TOMOGRAPHY, COMPUTED, SCANNERS see **TOMOGRAPHY SCANNERS, X-RAY COMPUTED**

TOMOGRAPHY, EMISSION-COMPUTED

see related
GAMMA CAMERAS

Positron emission tomography and interventional cardiology. Gould KL. **Am J Cardiol** 1990 Oct 26;66(14):51F–58F (57 ref.)

Assessment of myocardial perfusion by positron emission tomography. Schwaiger M, et al. **Am J Cardiol** 1991 May 21;67(14):35D–43D (32 ref.)

Biological correlates of mental activity studied with PET. Volkow ND, et al. **Am J Psychiatry** 1991 Apr;

148(4):439–43 (41 ref.)
Positron emission tomography as an aid in understanding electrocardiographic changes of ischemia, infarction, and cardiomyopathy. Grover-McKay M. **Ann N Y Acad Sci** 1990;601:77–94 (53 ref.)
Brain–behavior relationships in aphasia studied by positron emission tomography. Metter EJ. **Ann N Y Acad Sci** 1991; 620:153–64 (49 ref.)
Positron emission tomography: basic principles and applications in psychiatric research. Volkow ND, et al. **Ann N Y Acad Sci** 1991;620:128–44 (98 ref.)
Positron emission tomography as a research tool in the investigation of psychiatric and psychological disorders. Jones AK, et al. **Baillieres Clin Endocrinol Metab** 1991 Mar; 5(1):187–203 (53 ref.)
The applications of positron emission tomography to oncology [editorial] Ott RJ. **Br J Cancer** 1991 Mar; 63(3):343–5 (27 ref.)
Sight and insight: regional cerebral metabolic activity in schizophrenia visualised by positron emission tomography, and competing neurodevelopmental perspectives [see comments] Waddington JL. **Br J Psychiatry** 1990 May; 156:615–9 (48 ref.) Comment in: Br J Psychiatry 1990 Nov;157:784–5.
Imaging of myocardial metabolism by positron emission tomography. Rigo P, et al. **Cardiovasc Drugs Ther** 1990 Aug;4 Suppl 4:847–51 (28 ref.)
Cardiac positron emission tomography. A report for health professionals from the Committee on Advanced Cardiac Imaging and Technology of the Council on Clinical Cardiology, American Heart Association. Bonow RO, et al. **Circulation** 1991 Jul;84(1):447–54 (56 ref.)
Clinical cardiac positron emission tomography: state of the art. Gould KL. **Circulation** 1991 Sep;84(3 Suppl):I22–36 (89 ref.)
Pulmonary applications of nuclear medicine. Kramer EL, et al. **Clin Chest Med** 1991 Mar;12(1):55–75 (157 ref.)
Physiologic studies of cerebral ischemia. Leblanc R. **Clin Neurosurg** 1991;37:289–311 (53 ref.)
Where have we got to with neuroreceptor mapping of the human brain? Mazière B, et al. **Eur J Nucl Med** 1990; 16(11):817–35 (195 ref.)
Infarct sizing by scintigraphic techniques and nuclear magnetic resonance imaging. van der Wall EE, et al. **Eur J Nucl Med** 1990;17(1–2):83–90 (63 ref.)
Radiopharmaceuticals: state of the art. Verbruggen AM. **Eur J Nucl Med** 1990;17(6–8):346–64 (114 ref.)
Positron emission tomography in neuropsychiatry. Faulstich ME, et al. **Invest Radiol** 1991 Feb;26(2):184–94 (93 ref.)
The imaging of brain function. Positron emission tomography, single-photon emission computed tomography, and some prospects for magnetic resonance. Potchen EJ, et al. **Invest Radiol** 1991 Mar;26(3):258–65 (67 ref.)
Specification and selection of regions of interest (ROIs) in a computerized brain atlas. Bohm C, et al. **J Cereb Blood Flow Metab** 1991 Mar;11(2):A64–8 (11 ref.)
Physiological ROI definition by image subtraction. Fox PT. **J Cereb Blood Flow Metab** 1991 Mar;11(2):A79–82 (12 ref.)
Region of interest issues: the relationship between structure and function in the brain. Mazziotta JC, et al. **J Cereb Blood Flow Metab** 1991 Mar;11(2):A51–6 (10 ref.)
In-vivo quantitative imaging of catecholaminergic nerve terminals in brain and peripheral organs using positron emission tomography (PET). Kopin IJ. **J Neural Transm Suppl** 1990;32:19–27 (38 ref.)
Clinical application of PET for the evaluation of brain tumors. Coleman RE, et al. **J Nucl Med** 1991 Apr; 32(4):616–22 (52 ref.)
Epilepsy. Fisher RS, et al. **J Nucl Med** 1991 Apr;32(4):651–9 (95 ref.)
The clinical role of metabolic imaging of the heart by positron emission tomography. Schwaiger M, et al. **J Nucl Med** 1991 Apr;32(4):565–78 (101 ref.)
The applications of PET in clinical oncology. Strauss LG, et al. **J Nucl Med** 1991 Apr;32(4):623–48; discussion 649–50 (132 ref.)
Cardiac blood–pool tracers [editorial; comment] Subramanian KM. **J Nucl Med** 1991 Mar;32(3):480–2 (12 ref.) Comment on: J Nucl Med 1991 Mar;32(3):475–80.
Detection and quantification of opiate receptors in man by positron emission tomography. Potential applications to the study of pain. Sadzot B, et al. **Neurophysiol Clin** 1990 Nov; 20(5):323–34 (29 ref.)
The clinical role of PET in cerebrovascular disease. Brooks DJ. **Neurosurg Rev** 1991;14(2):91–6 (23 ref.)
Neuroimaging in epilepsy: contribution of MRI, PET and SPECT. Sperling MR. **Semin Neurol** 1990 Dec; 10(4):349–56 (97 ref.)
Studies of central nervous system disorders with single photon emission computed tomography and positron emission tomography: evolution over the past 2 decades. Alavi A, et al. **Semin Nucl Med** 1991 Jan;21(1):58–81 (224 ref.)
[The use of positron emission tomography in cardiology; a metabolic dimension] Blanksma PK, et al. **Ned Tijdschr Geneeskd** 1991 Jan 5;135(1):9–13 (24 ref.) **(Dut)**
[Evaluation of patients with coronary insufficiency using single-photon gamma tomography and positron-emission tomography] Cerqueira MD, et al. **J Radiol** 1991 Jan; 72(1):23–34 (45 ref.) (Eng. Abstr.) **(Fre)**
[Slowly progressive apraxia: a MRI and positron tomography in 4 cases] Léger JM, et al. **Rev Neurol (Paris)** 1991; 147(3):183–91 (23 ref.) (Eng. Abstr.) **(Fre)**
[Functional metabolic neuroimaging by positron-emission tomography in man] Salmon E, et al. **Rev Neurol (Paris)** 1990;146(8–9):459–77 (65 ref.) (Eng. Abstr.) **(Fre)**
[Positron emission tomography for the determination of pathophysiology of cerebral ischemia] Herholz K, et al. **Arzneimittelforschung** 1991 Mar;41(3A):298–303 (52 ref.) (Eng. Abstr.) **(Ger)**
[PET scan in tumor diagnosis in the head and neck] Reisser C, et al. **Laryngorhinootologie** 1991 Apr;70(4):214–7 (16 ref.) (Eng. Abstr.) **(Ger)**
[Measurement of serotonin uptake site in the human brain using PET] Fukuda H, et al. **Nippon Rinsho** 1991 Jul; 49(7):1567–71 (15 ref.) **(Jpn)**
[Imaging of D2 dopamine receptor] Hatazawa J, et al. **Nippon Rinsho** 1991 Jul;49(7):1546–50 (17 ref.) **(Jpn)**
[Striatal 18F-dopa uptake measuring nigrostriatal function] Otsuka M, et al. **Nippon Rinsho** 1991 Jul;49(7):1532–6 (16 ref.) **(Jpn)**
[Positron emission tomography studies of dopamine D1 receptors] Shinotoh H. **Nippon Rinsho** 1991 Jul; 49(7):1541–5 (21 ref.) **(Jpn)**
[Mapping of histamine H1 receptors in human brain by positron emission tomography] Yanai K, et al. **Nippon Rinsho** 1991 Jul;49(7):1572–7 (21 ref.) **(Jpn)**

METHODS

Adenosine in myocardial perfusion imaging using positron emission tomography. Gupta NC, et al. **Am Heart J** 1991 Jul;122(1 (Pt 1)):293–301; discussion 302–6 (15 ref.)
Adenosine thallium 201 myocardial perfusion scintigraphy. Verani MS. **Am Heart J** 1991 Jul;122(1 (Pt 1)):269–78; discussion 302–6 (23 ref.)
Positron emission tomography in the study of brain metabolism in psychiatric and neuropsychiatric disorders. Bench CJ, et al. **Br J Psychiatry Suppl** 1990;(9):82–95 (85 ref.)
Single photon emission computed tomography and positron emission tomography in cancer imaging. Coleman RE. **Cancer** 1991 Feb 15;67(4 Suppl):1261–70 (50 ref.)
Positron emission tomography. Jones T. **Clin Phys Physiol Meas** 1990;11 Suppl A:27–36 (18 ref.)
Positron emission tomography studies of brain receptors. Mazière B, et al. **Fundam Clin Pharmacol** 1991;5(1):61–91 (188 ref.)
PET: its clinical role in neurology [editorial] Brooks D. **J Neurol Neurosurg Psychiatry** 1991 Jan;54(1):1–5 (63 ref.)
PET perfusion imaging and nuclear cardiology. Gould KL. **J Nucl Med** 1991 Apr;32(4):579–606 (153 ref.)
Three-dimensional motion analysis of an improved head immobilization system for simulation, CT, MRI, and PET imaging. Thornton AF Jr, et al. **Radiother Oncol** 1991 Apr; 20(4):224–8 (16 ref.)
[Methods and clinical applications of positron emission tomography in endocrinology] De Landsheere C, et al. **Ann Endocrinol (Paris)** 1990;51(3–4):148–54 (23 ref.) (Eng. Abstr.) **(Fre)**
[Measurement of cerebral glucose metabolism using 11C-labeled glucose] Ishiwata K. **Nippon Rinsho** 1991 Jul; 49(7):1509–14 (22 ref.) **(Jpn)**
[Benzodiazepine receptors and PET] Tsukada H. **Nippon Rinsho** 1991 Jul;49(7):1578–83 (21 ref.) **(Jpn)**
[Measurement and image reconstruction of three-dimensional radioisotope distribution] Tanaka E. **Radioisotopes** 1990 Nov;39(11):510–20 (70 ref.) **(Jpn)**

STANDARDS

Validity of PET studies in brain tumors. Herholz K, et al. **Cerebrovasc Brain Metab Rev** 1990 Fall;2(3):240–65 (154 ref.)
Precision and accuracy considerations of physiological quantitation in PET. Carson RE. **J Cereb Blood Flow Metab** 1991 Mar;11(2):A45–50 (32 ref.)
Assessment: positron emission tomography. Report of the Therapeutics and Technology Assessment Subcommittee of the American Academy of Neurology. **Neurology** 1991 Feb;41(2 (Pt 1)):163–7 (67 ref.)

STATISTICS & NUMERICAL DATA

Statistical issues in the analysis of neuroimages. Ford I, et al. **J Cereb Blood Flow Metab** 1991 Mar;11(2):A89–95 (41 ref.)
Statistical analysis of functional neuroimaging data: exploratory versus inferential methods. Pawlik G. **J Cereb Blood Flow Metab** 1991 Mar;11(2):A136–9 (15 ref.)

TRENDS

Future perspectives: diagnostic possibilities with positron emission tomography. Schelbert HR. **Rontgenblatter** 1990 Sep;43(9):384–90 (30 ref.)
[Present status and future potential of positron emission tomography] Yamasaki T. **Radioisotopes** 1990 Dec; 39(12):587–96 (25 ref.) **(Jpn)**

TOMOGRAPHY, EMISSION-COMPUTED, SINGLE-PHOTON

Myocardial perfusion imaging with technetium-99m sestamibi SPECT in the evaluation of coronary artery disease. Maddahi J, et al. **Am J Cardiol** 1990 Oct 16; 66(13):55E–62E (32 ref.)
Exercise thallium-201 perfusion scintigraphy in the assessment of coronary artery disease. Mahmarian JJ, et al. **Am J Cardiol** 1991 May 21;67(14):2D–11D (67 ref.)
Imaging dementia with SPECT. Holman BL, et al. **Ann N Y Acad Sci** 1991;620:165–74 (25 ref.)
Cerebral perfusion imaging. Holmes RA. **Curr Opin Radiol** 1990 Dec;2(6):860–7 (18 ref.)
Where have we got to with neuroreceptor mapping of the human brain? Mazière B, et al. **Eur J Nucl Med** 1990; 16(11):817–35 (195 ref.)
The use of cerebral activation procedures with single photon emission tomography. Ring HA, et al. **Eur J Nucl Med** 1991;18(2):133–41 (43 ref.)
Infarct sizing by scintigraphic techniques and nuclear magnetic resonance imaging. van der Wall EE, et al. **Eur J Nucl Med** 1990;17(1–2):83–90 (63 ref.)
Role of single photon wall motion and perfusion studies in the evaluation of patients with suspected coronary artery disease. Yaoita H, et al. **Eur J Nucl Med** 1990;17(5):269–78 (98 ref.)
CT-SPECT fusion for analysis of radiolabeled antibodies: applications in gastrointestinal and lung carcinoma. Kramer EL, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):27–42 (49 ref.)
The imaging of brain function. Positron emission tomography, single-photon emission computed tomography, and some prospects for magnetic resonance. Potchen EJ, et al. **Invest Radiol** 1991 Mar;26(3):258–65 (67 ref.)
Single photon emission computed tomography (SPET) of the brain. Ell PJ. **J Neurosci Methods** 1990 Sep; 34(1–3):207–17 (13 ref.)
The investigation of dementia with single photon emission tomography. Buell U, et al. **Nucl Med Commun** 1990 Dec; 11(12):823–41 (81 ref.)
Neuroimaging in epilepsy: contribution of MRI, PET and SPECT. Sperling MR. **Semin Neurol** 1990 Dec; 10(4):349–56 (97 ref.)
Studies of central nervous system disorders with single photon emission computed tomography and positron emission tomography: evolution over the past 2 decades. Alavi A, et al. **Semin Nucl Med** 1991 Jan;21(1):58–81 (224 ref.)
Single photon emission computed tomography imaging of brain tumors. Biersack HJ, et al. **Semin Nucl Med** 1991 Jan;21(1):2–10 (29 ref.)
Single photon tomography in Alzheimer's disease and the dementias. Bonte FJ, et al. **Semin Nucl Med** 1990 Oct; 20(4):342–52 (42 ref.)
Single photon emission computed tomography in epilepsy. Devous MD Sr, et al. **Semin Nucl Med** 1990 Oct; 20(4):325–41 (72 ref.)
An overview of the contribution of regional cerebral blood flow studies in cerebrovascular disease: is there a role for single photon emission computed tomography? Hellman RS, et al. **Semin Nucl Med** 1990 Oct;20(4):303–24 (91 ref.)
Current and future radiopharmaceuticals for brain imaging with single photon emission computed tomography. Kung HF, et al. **Semin Nucl Med** 1990 Oct;20(4):290–302 (129 ref.)
The scintigraphic evaluation of Huntington's disease and other movement disorders using single photon emission computed tomography perfusion brain scans. Nagel JS, et al. **Semin Nucl Med** 1991 Jan;21(1):11–23 (70 ref.)
Brain single photon emission computed tomography: newer activation and intervention studies. Tikofsky RS, et al. **Semin Nucl Med** 1991 Jan;21(1):40–57 (97 ref.)
Functional brain imaging in the evaluation of psychiatric illness. Van Heertum RL, et al. **Semin Nucl Med** 1991 Jan; 21(1):24–39 (85 ref.)
Interventions and functional brain imaging. Yudd AP, et al. **Semin Nucl Med** 1991 Apr;21(2):153–8 (58 ref.)
[The measurement of cerebral perfusion and hemodynamic reserve using SPECT: use in cerebral vascular pathology] Steinling M. **Ann Radiol (Paris)** 1990;33(3):156–69 (37 ref.) (Eng. Abstr.) **(Fre)**
[Evaluation of patients with coronary insufficiency using single-photon gamma tomography and positron-emission tomography] Cerqueira MD, et al. **J Radiol** 1991 Jan; 72(1):23–34 (45 ref.) (Eng. Abstr.) **(Fre)**
[The contribution of single-photon emission-computed tomography in cerebral function diagnosis] Weder B, et al. **Schweiz Med Wochenschr** 1990 Dec 1;120(48):1791–800 (34 ref.) (Eng. Abstr.) **(Ger)**
[Low-level chemoluminescence as a marker of ischemic myocardial damage] Török B, et al. **Orv Hetil** 1991 Apr 14;132(15):815–7 (15 ref.) (Eng. Abstr.) **(Hun)**

INSTRUMENTATION

Instrumentation and computers for brain single photon emission computed tomography. Croft BY. **Semin Nucl Med** 1990 Oct;20(4):281–9 (18 ref.)

METHODS

Single-photon emission computed tomographic thallium imaging with adenosine, dipyridamole, and exercise. Iskandrian AS. **Am Heart J** 1991 Jul;122(1 (Pt 1)):279–84; discussion 302–6 (10 ref.)

The use and applications of single-photon emission computerised tomography in dementia. Geaney DP, et al. **Br J Psychiatry Suppl** 1990;(9):66–75 (80 ref.)

Single photon emission computed tomography and positron emission tomography in cancer imaging. Coleman RE. **Cancer** 1991 Feb 15;67(4 Suppl):1261–70 (50 ref.)

New directions in medical imaging of cancer. Magnetic resonance methods and single photon emission computed tomography. Nunnally RL, et al. **Cancer** 1991 Feb 15;67(4 Suppl):1271–7 (68 ref.)

Intravenous dipyridamole thallium-201 SPECT imaging methodology, applications, and interpretations. Rockett JF, et al. **Clin Nucl Med** 1990 Oct;15(10):712–25 (59 ref.)

SPECT myocardial perfusion imaging update. Datz FL, et al. **Semin Ultrasound CT MR** 1991 Feb;12(1):28–44 (59 ref.)

[201Thallium reinjection after exertion-redistribution myocardial scintigraphy. A new method for distinguishing between scars and vital myocardium] Munz DL, et al. **Dtsch Med Wochenschr** 1991 Mar 8;116(10):361–6 (21 ref.) (Eng. Abstr.) **(Ger)**

[Effect of extra- and intra-cranial vascular anastomosis on regional blood flow, studied by SPECT using 99m-Tc HMPAO] Pávics L, et al. **Orv Hetil** 1990 Oct 7; 131(40):2183–6 (41 ref.) (Eng. Abstr.) **(Hun)**

STANDARDS

Question-driven technology assessment: SPECT as an example. Caplan LR. **Neurology** 1991 Feb;41(2 (Pt 1)):187–91 (23 ref.)

STATISTICS & NUMERICAL DATA

Statistical issues in the analysis of neuroimages. Ford I, et al. **J Cereb Blood Flow Metab** 1991 Mar;11(2):A89–95 (41 ref.)

TOMOGRAPHY, NMR see **MAGNETIC RESONANCE IMAGING**

TOMOGRAPHY, POSITRON-EMISSION see **TOMOGRAPHY, EMISSION-COMPUTED**

TOMOGRAPHY, PROTON SPIN see **MAGNETIC RESONANCE IMAGING**

TOMOGRAPHY, RADIONUCLIDE-COMPUTED see **TOMOGRAPHY, EMISSION-COMPUTED**

TOMOGRAPHY SCANNERS, X-RAY COMPUTED

see related
RADIOGRAPHIC IMAGE ENHANCEMENT

Fast computed tomography for quantitative cardiac analysis--state of the art and future perspectives. Ritman EL. **Mayo Clin Proc** 1990 Oct;65(10):1336–49 (71 ref.)

TOMOGRAPHY, SINGLE-PHOTON, EMISSION-COMPUTED see **TOMOGRAPHY, EMISSION-COMPUTED, SINGLE-PHOTON**

TOMOGRAPHY, TRANSMISSION COMPUTED see **TOMOGRAPHY, X-RAY COMPUTED**

TOMOGRAPHY, ULTRASONIC see **ULTRASONOGRAPHY**

TOMOGRAPHY, X-RAY COMPUTED

Epidural haematoma in the newborn infants: therapeutic consequences from the correlation between haematoma content and computed tomography features. A review. Aoki N. **Acta Neurochir (Wien)** 1990;106(1–2):65–7 (22 ref.)

Computed tomography of the spleen. Srp A, et al. **Acta Univ Carol [Med] (Praha)** 1989;35(1–2):11–30 (17 ref.)

The evaluation of blunt abdominal trauma: computed tomography scan, lavage, or sonography? Thal ER, et al. **Adv Surg** 1991;24:201–28 (82 ref.)

CT of infantile myofibromatosis of the orbit with intracranial involvement: a case report. Stautz CC. **AJNR** 1991 Jan-Feb;12(1):184–5 (5 ref.)

CT of the gastrointestinal tract: principles and interpretation. Balthazar EJ. **AJR Am J Roentgenol** 1991 Jan;156(1):23–32 (20 ref.)

Computerized tomography in acute gastrointestinal disorders. Balthazar EJ, et al. **Am J Gastroenterol** 1990 Nov; 85(11):1445–52 (27 ref.)

Computed tomography of chronic diffuse infiltrative lung disease. Part 2. Müller NL, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 1):1440–8 (69 ref.)

Computed tomography of chronic diffuse infiltrative lung disease. Part 1. Müller NL, et al. **Am Rev Respir Dis** 1990 Nov;142(5):1206–15 (66 ref.)

Quantifying emphysema by CT scanning. Clinicopathologic correlates. MacNee W, et al. **Ann N Y Acad Sci** 1991; 624:179–94 (56 ref.)

Early postoperative sternal approximation after ITA harvesting: computed tomographic evaluation. Vanleeuw P, et al. **Ann Thorac Surg** 1991 Sep;52(3):518–22 (16 ref.)

Cranial computerised tomography in dementia of the Alzheimer type. Burns A. **Br J Psychiatry Suppl** 1990; (9):10–5 (50 ref.)

Recent advances in radiotherapy treatment planning. Rosenman J, et al. **Cancer Invest** 1991;9(4):465–81 (104 ref.)

CT-guided transthoracic needle biopsy. Gardner D, et al. **Cardiovasc Intervent Radiol** 1991 Jan-Feb;14(1):17–23 (35 ref.)

Computed tomography of asbestos-related pulmonary parenchymal and pleural diseases. Aberle DR, et al. **Clin Chest Med** 1991 Mar;12(1):115–31 (116 ref.)

Radiographic evaluation of focal lung disease. Naidich DP, et al. **Clin Chest Med** 1991 Mar;12(1):77–95 (82 ref.)

Imaging the airways. Computed tomography and magnetic resonance imaging. Shepard JO, et al. **Clin Chest Med** 1991 Mar;12(1):151–68 (80 ref.)

Imaging of the intensive care unit patient. Wiener MD, et al. **Clin Chest Med** 1991 Mar;12(1):169–98 (138 ref.)

CT of the airways. Davis SD, et al. **Clin Imaging** 1990 Oct-Dec;14(4):280–300 (71 ref.)

The appearance of the piriformis muscle syndrome in computed tomography and magnetic resonance imaging. A case report and review of the literature. Jankiewicz JJ, et al. **Clin Orthop** 1991 Jan;(262):205–9 (24 ref.)

Pleural granulocytic sarcoma: CT characteristics. Lee MJ, et al. **Clin Radiol** 1991 Jan;43(1):57–9 (11 ref.)

Retroconversion of immature teratoma of the ovary: CT appearances. Moskovic E, et al. **Clin Radiol** 1991 Jun; 43(6):402–8 (19 ref.)

Comparison of MRI and CT for study of renal and perirenal masses. Janus CL, et al. **Crit Rev Diagn Imaging** 1991; 32(2):69–118 (73 ref.)

The temporal bone: imaging considerations. Swartz JD. **Crit Rev Diagn Imaging** 1990;30(4):341–417 (68 ref.)

Imaging of the larynx and cervical trachea. Curtin HD. **Curr Opin Radiol** 1991 Feb;3(1):84–92 (23 ref.)

Contrast material for computed tomography and magnetic resonance imaging of the gastrointestinal tract. Hamm B, et al. **Curr Opin Radiol** 1991 Jun;3(3):474–82 (35 ref.)

Digital chest radiology. Hansell DM. **Curr Opin Radiol** 1991 Jun;3(3):364–71 (26 ref.)

New trends in computed tomography of the head and neck. Horvath M, et al. **Curr Opin Radiol** 1991 Feb;3(1):109–13 (14 ref.)

Imaging of the temporal bone. Jabour BA. **Curr Opin Radiol** 1991 Feb;3(1):57–60 (16 ref.)

Magnetic resonance imaging and computed tomography of cerebral vascular disease. Sevick RJ, et al. **Curr Opin Radiol** 1991 Feb;3(1):31–6 (28 ref.)

Lung cancer staging. Shanmuganathan K, et al. **Curr Opin Radiol** 1991 Jun;3(3):351–6 (17 ref.)

Computed tomographic diagnosis of diffuse lung disease. Staples C. **Curr Opin Radiol** 1991 Jun;3(3):372–9 (26 ref.)

Diagnostic features and clinical signs of 21 patients with lissencephaly type 1. de Rijk-van Andel JF, et al. **Dev Med Child Neurol** 1990 Aug;32(8):707–17 (46 ref.)

Superficial siderosis of the central nervous system. A 37-year follow-up of a case and review of the literature. Stevens I, et al. **Eur Arch Psychiatry Clin Neurosci** 1991; 241(1):57–60 (22 ref.)

Computed tomography and acute pancreatitis. Hill MC, et al. **Gastroenterol Clin North Am** 1990 Dec;19(4):811–42 (91 ref.)

Corpus callosum agenesis, spastic quadriparesis and irregular lining of the lateral ventricles on CT-scan. A distinct X-linked mental retardation syndrome? Vles JS, et al. **Genet Couns** 1990;1(2):97–102 (19 ref.)

Computed tomography of the hand and wrist. Magid D, et al. **Hand Clin** 1991 Feb;7(1):219–33 (21 ref.)

Roles of computed tomography and magnetic resonance imaging diagnoses in the treatment of head and neck cancer. Foust RJ, et al. **Hematol Oncol Clin North Am** 1991 Aug;5(4):657–65 (28 ref.)

CT-SPECT fusion for analysis of radiolabeled antibodies: applications in gastrointestinal and lung carcinoma. Kramer EL, et al. **Int J Rad Appl Instrum [B]** 1991;18(1):27–42 (49 ref.)

Current applications of imaging procedures in the patient with lung cancer. Bragg DG. **Int J Radiat Oncol Biol Phys** 1991 Aug;21(3):847–51 (16 ref.)

CT and MR imaging of massive macronodular adrenocortical disease: a rare cause of autonomous primary adrenal hypercortisolism. Doppman JL, et al. **J Comput Assist Tomogr** 1991 Sep-Oct;15(5):773–9 (21 ref.)

Bleeding patterns in ruptured posterior fossa aneurysms: a CT study. Sadato N, et al. **J Comput Assist Tomogr** 1991 Jul-Aug;15(4):612–7 (36 ref.)

Curvilinear and tubulonodular varieties of lipoma of the corpus callosum: an MR and CT study. Tart RP, et al. **J Comput Assist Tomogr** 1991 Sep-Oct;15(5):805–10 (52 ref.)

Three-dimensional image display in medicine. Mankovich NJ, et al. **J Digit Imaging** 1990 May;3(2):69–80 (60 ref.)

Should a major imaging procedure (CT or MRI) be required in the workup of dementia? An opposing view. Clarfield AM, et al. **J Fam Pract** 1990 Oct;31(4):405–10 (25 ref.)

Should a major imaging procedure (CT or MRI) be required in the workup of dementia? An affirmative view. Katzman R. **J Fam Pract** 1990 Oct;31(4):401–5 (20 ref.)

Role of computed tomography in the early management of bacterial meningitis. Haslam RH. **J Pediatr** 1991 Jul;119(1 (Pt 1)):157–9 (13 ref.)

The role of chest computed tomography in the diagnosis of drug-related reactions. Kuhlman JE. **J Thorac Imaging** 1991 Jan;6(1):52–61 (80 ref.)

Prognostic significance of computed tomography of the brain in thrombotic thrombocytopenic purpura. Kay AC, et al. **Mayo Clin Proc** 1991 Jun;66(6):602–7 (11 ref.)

Fast computed tomography for quantitative cardiac analysis--state of the art and future perspectives. Ritman EL. **Mayo Clin Proc** 1990 Oct;65(10):1336–49 (71 ref.)

The neuroradiology of visual disturbances. Nadalo LA, et al. **Neurol Clin** 1991 Feb;9(1):1–33 (34 ref.)

Survival of patients with well-differentiated astrocytomas diagnosed in the era of computed tomography. Vertosick FT Jr, et al. **Neurosurgery** 1991 Apr;28(4):496–501 (20 ref.)

Computed tomography and angiogram of primary hepatic rhabdomyosarcoma: report of two adult cases. Hayakawa K, et al. **Radiat Med** 1990 Mar-Apr;8(2):35–9 (13 ref.)

Complications of radiation therapy: CT evaluation. Bluemke DA, et al. **Radiographics** 1991 Jul;11(4):581–600 (53 ref.)

CT of lymphoma: spectrum of disease. Fishman EK, et al. **Radiographics** 1991 Jul;11(4):647–69 (66 ref.)

CT and MR imaging of the central skull base. Part 2. Pathologic spectrum. Laine FJ, et al. **Radiographics** 1990 Sep;10(5):797–821 (29 ref.)

CT of thoracic aortic aneurysms. Posniak HV, et al. **Radiographics** 1990 Sep;10(5):839–55 (67 ref.)

Otic capsule dysplasia: clinical and CT findings. Urman SM, et al. **Radiographics** 1990 Sep;10(5):823–38 (13 ref.)

Biomechanics of fracture risk prediction of the hip and spine by quantitative computed tomography. Hayes WC, et al. **Radiol Clin North Am** 1991 Jan;29(1):1–18 (94 ref.)

Computed tomography of air-space disease. Hommeyer SH, et al. **Radiol Clin North Am** 1991 Sep;29(5):1065–84 (56 ref.)

Osteoporosis. Current techniques and recent developments in quantitative bone densitometry. Lang P, et al. **Radiol Clin North Am** 1991 Jan;29(1):49–76 (138 ref.)

Computed tomography in chronic interstitial lung disease. Müller NL. **Radiol Clin North Am** 1991 Sep;29(5):1085–93 (65 ref.)

High resolution lung computed tomography. Normal anatomic and pathologic findings. Webb WR. **Radiol Clin North Am** 1991 Sep;29(5):1051–63 (52 ref.)

CT evaluation for pulmonary metastases in patients with extrathoracic malignancy. Davis SD. **Radiology** 1991 Jul; 180(1):1–12 (129 ref.)

Computed tomography of hepatocellular carcinoma. Brizi MG, et al. **Rays** 1990 Jul-Sep;15(3):337–51 (29 ref.) **(Eng, Ita)**

Role of computed tomography in cerebrovascular ischemia. Salvolini U, et al. **Rays** 1990 Apr-Jun;15(2):179–94 (20 ref.) **(Eng, Ita)**

Computed tomographic evaluation of patients with tardive dyskinesia. Hoffman WF, et al. **Schizophr Res** 1991 Jul-Aug;5(1):1–12 (56 ref.)

The impact of radiologic imaging on staging of cancer of the head and neck. Dillon WP, et al. **Semin Oncol** 1991 Apr;18(2):64–79 (45 ref.)

Imaging primary and metastatic cancer of the liver. Halvorsen RA Jr, et al. **Semin Oncol** 1991 Apr;18(2):111–22 (33 ref.)

Lung cancer imaging: primary diagnosis, staging, and local recurrence. Heelan R. **Semin Oncol** 1991 Apr;18(2):87–98 (39 ref.)

Neuroimaging for central nervous system tumors. Jaeckle KA. **Semin Oncol** 1991 Apr;18(2):150–7 (27 ref.)

Current imaging in spinal metastatic disease. Kamholtz R, et al. **Semin Oncol** 1991 Apr;18(2):158–69 (50 ref.)

Imaging of musculoskeletal tumors. Manaster BJ, et al. **Semin Oncol** 1991 Apr;18(2):140–9 (28 ref.)

Imaging in colorectal carcinoma. Taylor AJ, et al. **Semin Oncol** 1991 Apr;18(2):99–110 (27 ref.)

Upper urinary tract infection: the current role of CT, ultrasound, and MRI. Goldman SM, et al. **Semin Ultrasound CT MR** 1991 Aug;12(4):335–60 (68 ref.)

Lumbar discography followed by computed tomography. Refining the diagnosis of low-back pain. Bernard TN Jr. **Spine** 1990 Jul;15(7):690–707 (155 ref.)

Applications of computed tomography in gynecologic diseases. Ascher SM, et al. **Urol Radiol** 1991;13(1):16–28 (46 ref.)

[Value of superior angiocardiography in the evaluation of the surgical excision of bronchial cancer. Respective role compared to thoracic x-ray computed tomography] Regnard JF, et al. **Ann Chir** 1990;44(8):655–9 (15 ref.) (Eng. Abstr.) **(Fre)**

[Hepatic angiosarcoma. CT and MRI aspects. A case report and review of the literature] Fajadet P, et al. **Ann Radiol (Paris)** 1990;33(4–5):260–3 (19 ref.) (Eng. Abstr.) **(Fre)**

[Role of modern imaging (CT-MRI) in the preoperative evaluation of bronchial cancers. Results in 202 cases] Giron J, et al. **Ann Radiol (Paris)** 1990;33(4–5):219–28 (31 ref.) (Eng. Abstr.) **(Fre)**

[Diagnosis and percutaneous treatment of pulmonary hydatid cyst. State of the problem apropos of a case] Goffette P, et al. **J Belge Radiol** 1990 Aug;73(4):259–63 (17 ref.) (Eng. Abstr.) **(Fre)**

[Synovial cyst of the hip with venous compression. Diagnosis

using x-ray computed tomography. A case report] Bousquet JC, et al. **J Radiol** 1990 Nov;71(11):623-7 (19 ref.) (Eng. Abstr.) **(Fre)**

[Contribution of scanner in the diagnosis of intestinal infarction] Buchon R, et al. **J Radiol** 1991 May;72(5):291-7 (21 ref.) (Eng. Abstr.) **(Fre)**

[Comparative study of MRI and x-ray computed tomography in the preoperative evaluation of rectal carcinoma] Guinet C, et al. **J Radiol** 1990 May;71(5):357-63 (18 ref.) (Eng. Abstr.) **(Fre)**

[The posterior interparieto-peritoneal or retroperitoneal spaces. 2: Pathological x-ray computed tomographic image] Hureau J, et al. **J Radiol** 1991 Apr;72(4):205-27 (35 ref.) (Eng. Abstr.) **(Fre)**

[Aneurysm of the pulmonary artery. X-ray computed tomographic and MRI aspects. A case report and review of the literature] Poey C, et al. **J Radiol** 1990 Nov; 71(11):629-32 (16 ref.) (Eng. Abstr.) **(Fre)**

[X-ray computed tomography of the liver with injection] Tyrrel RP, et al. **J Radiol** 1990 May;71(5):317-23 (43 ref.) **(Fre)**

[X-ray computed tomography of the thorax] Webb WR. **J Radiol** 1990 Nov;71(11):573-85 (69 ref.) **(Fre)**

[The role of new medical imaging technics (TDM and MRI) in the diagnostic strategies of superior vena cava syndrome] Coulomb M, et al. **Rev Mal Respir** 1991;8(1):45-57 (26 ref.) (Eng. Abstr.) **(Fre)**

[Pattern of cerebral infarct in computerized tomography. Pathophysiologic concepts, validation and clinical relevance] Ringelstein EB, et al. **Nervenarzt** 1990 Aug; 61(8):462-71 (41 ref.) (Eng. Abstr.) **(Ger)**

[Aneurysms of the anterior inferior cerebellar artery. A case report and review of the literature] Russegger L, et al. **Nervenarzt** 1990 Aug;61(8):499-503 (33 ref.) (Eng. Abstr.) **(Ger)**

[Possibilities and limitations of radiology--CT and MRT in cases of tumors of the uterus and ovary] Köster O. **Rontgenblatter** 1990 Oct;43(10):413-9 (52 ref.) (Eng. Abstr.) **(Ger)**

[Computed tomography and magnetic resonance tomography of rectal and sigmoid tumors] Krestin GP, et al. **Rontgenblatter** 1990 Oct;43(10):426-9 (17 ref.) (Eng. Abstr.) **(Ger)**

[Computed tomography and magnetic resonance tomography in cases of coronary heart disease] Lackner K, et al. **Rontgenblatter** 1990 Sep;43(9):391-7 (14 ref.) (Eng. Abstr.) **(Ger)**

[Computed tomography and magnetic resonance tomography in cases of pelvic tumors unconnected with organs] Maurer J, et al. **Rontgenblatter** 1990 Oct;43(10):420-5 (26 ref.) (Eng. Abstr.) **(Ger)**

[3D-reconstruction in computed tomography as a diagnostic plus in traumatology?] Billet FP, et al. **Rontgenpraxis** 1990 Oct;43(10):355-64 (19 ref.) **(Ger)**

[Computed tomography of the pancreas] Claussen CD, et al. **Rontgenpraxis** 1990 Nov;43(11):397-402 (22 ref.) **(Ger)**

[Current radiologic diagnosis of esophageal tumors] Georgi M, et al. **Rontgenpraxis** 1990 Sep;43(9):313-22 (13 ref.) **(Ger)**

[The place of HR-CT in the diagnosis of calcifying and ossifying disease processes of the eye and the orbit] Gülden JW, et al. **Rontgenpraxis** 1991 Jul;44(7):200-8 (41 ref.) **(Ger)**

[Imaging techniques in trauma of the ankle joint and tarsus] Lehner K, et al. **Rontgenpraxis** 1991 Jan;44(1):9-15 (10 ref.) **(Ger)**

[Computed tomography of the retroperitoneum] Schild H, et al. **Rontgenpraxis** 1990 Nov;43(11):408-9 (0 ref.) **(Ger)**

[Computerized tomography for the study of lesions of the digestive system wall] Angelelli G, et al. **Radiol Med (Torino)** 1991 Jan-Feb;81(1-2):83-9 (63 ref.) (Eng. Abstr.) **(Ita)**

[Computerized tomography and magnetic resonance in the study of the pericardium] Di Guglielmo L, et al. **Radiol Med (Torino)** 1990 Jul-Aug;80(1-2):140-52 (16 ref.) **(Ita)**

[Current diagnostic imaging in the study of the ear] Ettorre GC. **Radiol Med (Torino)** 1990 Nov;80(5):688-95 (36 ref.) **(Ita)**

[Diagnostic imaging of pulmonary emphysema. From radiography to high-resolution computerized tomography] Gavelli G, et al. **Radiol Med (Torino)** 1990 Nov; 80(5):679-87 (21 ref.) **(Ita)**

[Lymph node metastasis of carcinoma of the cervix uteri. Role of lymphography and computerized tomography] La Fianza A, et al. **Radiol Med (Torino)** 1990 Oct;80(4):486-91 (31 ref.) (Eng. Abstr.) **(Ita)**

[Leukodystrophies: clinical aspects and findings with computerized tomography and magnetic resonance imaging] Magnaldi S. **Radiol Med (Torino)** 1991 Jul-Aug; 82(1-2):13-26 (70 ref.) (Eng. Abstr.) **(Ita)**

[Pulmonary lymphangioleiomyomatosis. Radiologic aspects and the diagnostic role of computed tomography] Zompatori M, et al. **Radiol Med (Torino)** 1990 Sep; 80(3):286-92 (25 ref.) (Eng. Abstr.) **(Ita)**

[Primary leiomyosarcoma of the pancreas] Murata K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1990 Oct 25; 50(10):1215-23 (56 ref.) (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

Magnetic resonance imaging and cine computerized tomography as future tools for cardiac output measurement. Omvik P. **Eur Heart J** 1990 Dec;11 Suppl I:141-3 (11 ref.)

Non-standard CT scanners: their role in radiotherapy. Webb S. **Int J Radiat Oncol Biol Phys** 1990 Dec;19(6):1589-607 (92 ref.)

METHODS

Stable xenon CT cerebral blood flow imaging: rationale for and role in clinical decision making. Johnson DW, et al. **AJNR** 1991 Mar-Apr;12(2):201-13 (76 ref.)

Computerised tomography in schizophrenia 15 years on. Lewis SW. **Br J Psychiatry Suppl** 1990;(9):16-24 (100 ref.)

Carcinoma of the female reproductive organs. Value of cross-sectional imaging. Hricak H. **Cancer** 1991 Feb 15;67(4 Suppl):1209-18 (38 ref.)

High-resolution computed tomography of chronic interstitial lung disease. Müller NL, et al. **Clin Chest Med** 1991 Mar; 12(1):97-114 (69 ref.)

CT staging of renal carcinoma: a prospective comparison of three dynamic computed tomography techniques. Miles KA, et al. **Eur J Radiol** 1991 Jul-Aug;13(1):37-42 (19 ref.)

Angio-CT: diagnosis and detection of complications of acute pancreatitis. Freeny PC. **Hepatogastroenterology** 1991 Apr; 38(2):109-15 (22 ref.)

In vivo tissue characterization using quantitative computed tomography: a review. Crawley EO. **J Med Eng Technol** 1990 Nov-Dec;14(6):233-42 (59 ref.)

Measurement of cerebral blood flow by the stable xenon computerized tomography method. Bidabé AM, et al. **J Neuroradiol** 1990;17(2):103-24 (58 ref.) **(Eng, Fre)**

Computed tomography and high-resolution computed tomography of pneumoconioses. Gamsu G. **J Occup Med** 1991 Jul;33(7):794-6 (17 ref.)

Three-dimensional computed tomographic imaging. Katowitz JA, et al. **Ophthal Plast Reconstr Surg** 1987; 3(4):243-8 (14 ref.)

Three-dimensional motion analysis of an improved head immobilization system for simulation, CT, MRI, and PET imaging. Thornton AF Jr, et al. **Radiother Oncol** 1991 Apr; 20(4):224-8 (16 ref.)

High-resolution computed tomography of asbestos-related diseases. Aberle DR. **Semin Roentgenol** 1991 Apr; 26(2):118-31 (71 ref.)

The high-resolution computed tomography technique. Mayo JR. **Semin Roentgenol** 1991 Apr;26(2):104-9 (22 ref.)

Differential diagnosis of chronic diffuse infiltrative lung disease on high-resolution computed tomography. Müller NL. **Semin Roentgenol** 1991 Apr;26(2):132-42 (35 ref.)

High-resolution computed tomography of cystic lung disease. Naidich DP. **Semin Roentgenol** 1991 Apr; 26(2):151-74 (105 ref.)

The airway. Takasugi JE, et al. **Semin Roentgenol** 1991 Apr; 26(2):175-90 (48 ref.)

High-resolution computed tomography of focal lung disease. Templeton PA, et al. **Semin Roentgenol** 1991 Apr; 26(2):143-50 (16 ref.)

High-resolution computed tomography of the lung: normal and abnormal anatomy. Webb WR. **Semin Roentgenol** 1991 Apr;26(2):110-7 (25 ref.)

High-resolution computed tomography in pulmonary sarcoidosis. Dawson WB, et al. **Semin Ultrasound CT MR** 1990 Oct;11(5):423-9 (18 ref.)

Congenital heart disease: applications of computed tomography and magnetic resonance imaging. Schlesinger AE, et al. **Semin Ultrasound CT MR** 1991 Feb;12(1):11-27 (56 ref.)

Ultrafast computed tomography in cardiac imaging: a review. Stanford W, et al. **Semin Ultrasound CT MR** 1991 Feb; 12(1):45-60 (37 ref.)

The role of high resolution computed tomography in the diagnosis of interstitial lung disease. Hansell DM, et al. **Thorax** 1991 Feb;46(2):77-84 (29 ref.)

[Computed tomography in acute severe pancreatitis] Rotman N, et al. **Ann Chir** 1990;44(10):783-6 (18 ref.) **(Fre)**

[The estimation of the effective dose in bone mineral measurements with photon absorptiometry and computed tomography] Kalender WA. **Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr** 1991 Aug;155(2):149-54 (29 ref.) (Eng. Abstr.) **(Ger)**

[Computed tomography of the pelvis] Grabbe E, et al. **Rontgenpraxis** 1990 Aug;43(8):301-6 (17 ref.) **(Ger)**

[Spiral-CT: a new technique for volumetric scans. I. Basic principles and methodology] Kalender WA, et al. **Rontgenpraxis** 1990 Sep;43(9):323-30 (11 ref.) **(Ger)**

[Strategy in radiologic diagnosis: CT of the neck] Lenz M. **Rontgenpraxis** 1990 Aug;43(8):271-80 (40 ref.) **(Ger)**

[Computed tomography of the skeletal system] Maas R, et al. **Rontgenpraxis** 1990 Aug;43(8):293-300 (8 ref.) **(Ger)**

[Spiral-CT: a new technique for volumetric scans. II. Potential clinical applications] Soucek M, et al. **Rontgenpraxis** 1990 Oct;43(10):365-75 (16 ref.) **(Ger)**

[High resolution computerized tomography in diffuse interstitial pathology of the lung] Gavelli G, et al. **Radiol Med (Torino)** 1991 Jan-Feb;81(1-2):127-39 (43 ref.) **(Ita)**

TRENDS

Noninvasive evaluation of cerebral ischemia. Trends for the 1990s. Tsuruda JS, et al. **Circulation** 1991 Feb;83(2 Suppl):I176-89 (72 ref.)

VETERINARY

Preliminary study of lomustine in the treatment of intracranial masses in dogs following localization by imaging techniques. Fulton LM, et al. **Semin Vet Med Surg (Small Anim)** 1990 Nov;5(4):241-5 (16 ref.)

TOMOGRAPHY, X-RAY COMPUTED, SCANNERS see **TOMOGRAPHY SCANNERS, X-RAY COMPUTED**

TONGUE

ABNORMALITIES

Ankyloglossia with deviation of the epiglottis and larynx. Mukai S, et al. **Ann Otol Rhinol Laryngol Suppl** 1991 May; 153:3-20 (53 ref.)

Tongue tie. Kern I. **Med J Aust** 1991 Jul 1;155(1):33-4 (5 ref.)

ANATOMY & HISTOLOGY

[The vallecula: an anatomic reality?] Briche D, et al. **Rev Stomatol Chir Maxillofac** 1991;92(4):213-8 (31 ref.) (Eng. Abstr.) **(Fre)**

INNERVATION

Taste cells in the gut and on the tongue. Their common, paraneuronal features. Fujita T. **Physiol Behav** 1991 May; 49(5):883-5 (12 ref.)

PATHOLOGY

Magnetic resonance imaging of the tongue and oropharynx. McKenna KM, et al. **Top Magn Reson Imaging** 1990 Sep; 2(4):49-59 (16 ref.)

[Tongue necrosis disclosing Horton's disease. Role of an associated ergotism (letter)] Saveuse H, et al. **Ann Med Interne (Paris)** 1990;141(7):635-7 (37 ref.) **(Fre)**

TONGUE DISEASES

An enteric duplication cyst occurring in the anterior two-thirds of the tongue. Willner A, et al. **Int J Pediatr Otorhinolaryngol** 1991 Apr;21(2):169-77 (21 ref.)

[Orofacial manifestations of hypertrichosis lanuginosa. Review of the literature apropos of a clinical case] De Clercq D, et al. **Rev Stomatol Chir Maxillofac** 1990; 91(6):465-8 (24 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Diseases of the tongue. Nally F. **Practitioner** 1991 Jan; 235(1498):65-71 (0 ref.)

DRUG THERAPY

Common inflammatory diseases of the mouth. Conklin RJ, et al. **Int J Dermatol** 1991 May;30(5):323-35 (189 ref.)

ETIOLOGY

Infectious mononucleosis with airway obstruction and multiple cranial nerve paresis. Maddern BR, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):529-32 (22 ref.)

RADIOGRAPHY

Arteriovenous malformation of the tongue. Saydjari R, et al. **South Med J** 1990 Nov;83(11):1335-7 (12 ref.)

TONGUE HABITS

Oral habits. A behavioral approach. Peterson JE Jr, et al. **Pediatr Clin North Am** 1991 Oct;38(5):1289-307 (55 ref.)

TONGUE NEOPLASMS

Enteric duplication in the oral cavity. Awouters P, et al. **Int J Oral Maxillofac Surg** 1991 Feb;20(1):12-4 (17 ref.)

Intraductal carcinoma of the tongue. Report of a case. Watatani K, et al. **Int J Oral Maxillofac Surg** 1991 Jun; 20(3):175-6 (9 ref.)

Benign mesenchymoma of the tongue. Report of a case, with review of the literature. Takenoshita Y, et al. **J Craniomaxillofac Surg** 1991 May;19(4):161-5 (27 ref.)

Epithelioid hemangioendothelioma of the oral cavity: report of two cases and review of literature. Marrogi AJ, et al. **J Oral Maxillofac Surg** 1991 Jun;49(6):633-8 (54 ref.)

Elective treatment of the neck in cancer of the oral tongue. Silver CE, et al. **Semin Surg Oncol** 1991 Jan-Feb;7(1):14-9 (47 ref.)

[Lingual chondroma] Sanchez-Aniceto G, et al. **Rev Stomatol Chir Maxillofac** 1990;91(6):480-2 (11 ref.) (Eng. Abstr.) **(Fre)**

CHEMISTRY

A light microscopic and immunohistochemical study of a multiple granular cell tumor and review of the literature.

Baden E, et al. **J Oral Maxillofac Surg** 1990 Oct; 48(10):1093–9 (90 ref.)

DIAGNOSIS

Recurrent multifocal adult rhabdomyoma diagnosed by fine-needle aspiration cytology: report of a case and review of the literature. Walker WP, et al. **Diagn Cytopathol** 1990; 6(5):354–8 (20 ref.)

PATHOLOGY

Granular cell tumour (myoblastoma): two cases and a review of the literature. Payne-James JJ, et al. **Br J Clin Pract** 1990 Aug;44(8):334–6 (24 ref.)

Angiolymphoid hyperplasia with eosinophilia of the tongue: report of a case and review of the literature. Razquin S, et al. **Hum Pathol** 1991 Aug;22(8):837–9 (12 ref.)

Firm mass of the tongue [clinical conference] Moore K, et al. **J Oral Maxillofac Surg** 1990 Nov;48(11):1206–10 (37 ref.)

[Solitary and multiple granular cell tumors. Case reports and review of the literature] Bergner T, et al. **Hautarzt** 1991 Mar;42(3):162–7 (62 ref.) (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

Effect of dose rate on local control and complications in definitive irradiation of T1–2 squamous cell carcinomas of mobile tongue and floor of mouth with interstitial iridium-192. Mazeron JJ, et al. **Radiother Oncol** 1991 May; 21(1):39–47 (41 ref.)

Combined external beam irradiation and interstitial radiotherapy of T1–T2 cancers of the mobile tongue and floor of mouth. Montemaggi P, et al. **Rays** 1991 Jan–Mar; 16(1):53–8 (6 ref.) **(Eng, Ita)**

SECONDARY

Lingual metastasis from a carcinoma of the colon. A case report and review of the literature. Piattelli A. **Acta Stomatol Belg** 1990 Dec;87(4):257–64 (73 ref.)

Renal cell carcinoma metastatic to the tongue: a case report. Ishikawa J, et al. **Hinyokika Kiyo** 1991 Mar;37(3):263–5 (15 ref.)

SURGERY

Mandibulotomy and mandibulectomy in difficult tumors of the base of the tongue and oropharynx. Shaha AR. **Semin Surg Oncol** 1991 Jan–Feb;7(1):25–30 (9 ref.)

TONIC PUPIL

PHYSIOPATHOLOGY

Bilateral tonic pupils and polyneuropathy in Sjögren's syndrome: a common pathophysiological mechanism? Waterschoot MP, et al. **Eur Neurol** 1991;31(2):114–6 (12 ref.)

TONIN see **KININASE II**

TONOFILAMENTS see **INTERMEDIATE FILAMENTS**

TONOMETRY

METHODS

Techniques of intraocular pressure determination. Green K. **Lens Eye Toxic Res** 1990;7(3–4):485–9 (11 ref.)

TONSIL

Tonsillolith. Černý R, et al. **Acta Univ Palacki Olomuc Fac Med** 1990;126:267–73 (11 ref.)

INNERVATION

The neuroimmune connection in human tonsils. Weihe E, et al. **Brain Behav Immun** 1991 Mar;5(1):41–54 (69 ref.)

PATHOLOGY

The hidden tonsils of Waldeyer's ring. Dolen WK, et al. **Ann Allergy** 1990 Oct;65(4):244–8 (24 ref.)

TONSILLAR NEOPLASMS

Burkitt's lymphoma of the tonsil. Kraus M, et al. **J Laryngol Otol** 1990 Dec;104(12):991–4 (24 ref.)

TONSILLECTOMY

Current concepts in pediatric adenotonsillar disease. Kearns DB, et al. **Ear Nose Throat J** 1991 Jan;70(1):15–9 (28 ref.)

Moderation of morbidity following tonsillectomy and adenoidectomy: a study of awareness under anesthesia. Wood WE, et al. **Int J Pediatr Otorhinolaryngol** 1990 Nov; 20(2):93–105 (15 ref.)

The indications for tonsillectomy and adenoidectomy. Reid JM, et al. **Otolaryngol Clin North Am** 1970 Jun;3(2):339–44 (13 ref.)

[Snoring and sleep-related respiratory disorders in children—clinical aspects, differential diagnoses and indications for adenotonsillectomy] Mayer-Brix J, et al. **Arch Otorhinolaryngol Suppl** 1991;1:79–114 (227 ref.) **(Ger)**

TONSILLITIS

COMPLICATIONS

[A case of cervico-mediastinal abscess, secondary to acute tonsillitis: investigation of the treatments] Fukamoto K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1990 Jun;93(6):884–93 (40 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Current concepts in pediatric adenotonsillar disease. Kearns DB, et al. **Ear Nose Throat J** 1991 Jan;70(1):15–9 (28 ref.)

TOOTH

see related
DENTITION
MALOCCLUSION
MASTICATION
ODONTOGENESIS

Twins and twinning, dentists and dentistry [see comments] Townsend G, et al. **Aust Dent J** 1990 Aug;35(4):317–27 (52 ref.) Comment in: Aust Dent J 1990 Dec;35(6):549–50.

Current status of adhesive resin systems. Barkmeier WW, et al. **J Am Coll Dent** 1991 Summer;58(2):36–9 (29 ref.)

ANATOMY & HISTOLOGY

Tooth crown heights, tooth wear, sexual dimorphism and jaw growth in hominoids. Dean MC, et al. **Z Morphol Anthropol** 1991;78(3):425–40 (27 ref.)

CHEMISTRY

Calbindin-D9k. A vitamin-D-dependent, calcium-binding protein in mineralized tissues. Balmain N. **Clin Orthop** 1991 Apr;(265):265–76 (78 ref.)

CYTOLOGY

Biology of tooth-cell adhesion. Aukhil I. **Dent Clin North Am** 1991 Jul;35(3):459–67 (24 ref.)

EMBRYOLOGY

Syndecan and tenascin: induction during early tooth morphogenesis and possible interactions. Thesleff I, et al. **Cell Differ Dev** 1990 Dec 2;32(3):383–9 (37 ref.)

Molecular determinants of tooth development: a review. Slavkin HC. **Crit Rev Oral Biol Med** 1990;1(1):1–16 (115 ref.)

Growth factors and tooth development. Partanen AM, et al. **Int J Dev Biol** 1989 Mar;33(1):165–72 (43 ref.)

Cell-matrix interactions in tooth development. Thesleff I, et al. **Int J Dev Biol** 1989 Mar;33(1):91–7 (48 ref.)

Molecular changes during determination and differentiation of the dental mesenchymal cell lineage. Thesleff I, et al. **J Biol Buccale** 1990 Sep;18(3):179–88 (61 ref.)

IMMUNOLOGY

[The immune system in the tooth-maxillodental segment area] Robustova TG, et al. **Stomatologiia (Mosk)** 1990 Jul–Aug;(4):88–91 (40 ref.) **(Rus)**

INJURIES

Treatment of traumatic dental injuries. Shift in strategy. Andreasen FM, et al. **Int J Technol Assess Health Care** 1990;6(4):588–602 (62 ref.)

Management of associated dental injuries in maxillofacial trauma. Dierks EJ. **Otolaryngol Clin North Am** 1991 Feb; 24(1):165–79 (18 ref.)

PHYSIOLOGY

Biomechanics of the intact, prepared and restored tooth: some clinical implications. Hood JA. **Int Dent J** 1991 Feb; 41(1):25–32 (30 ref.)

Implants in relation to natural teeth. Klinge B. **J Clin Periodontol** 1991 Jul;18(6):482–7 (25 ref.)

[The development and perspectives of the Edgewise technic. The biomechanics of the continuous arch] Garcia R. **Orthod Fr** 1990;61 Pt 1:59–93 (98 ref.) **(Fre)**

TOOTH ABNORMALITIES

ETIOLOGY

Regional macrodontia and regional bony enlargement associated with congenital infiltrating lipomatosis of the face presenting as unilateral facial hyperplasia. Brief review and case report. MacMillan AR, et al. **Int J Oral Maxillofac Surg** 1990 Oct;19(5):283–6 (15 ref.)

PATHOLOGY

Structural abnormalities of the craniofacial complex and congenital malformations. Poole AE, et al. **Pediatr Clin North Am** 1991 Oct;38(5):1089–125 (24 ref.)

TOOTH ABRASION

VETERINARY

Tooth crown heights, tooth wear, sexual dimorphism and jaw growth in hominoids. Dean MC, et al. **Z Morphol Anthropol** 1991;78(3):425–40 (27 ref.)

TOOTH APEX see **TOOTH ROOT**

TOOTH, ARTIFICIAL

see related
ACRYLIC RESINS
DENTAL PORCELAIN

TOOTH BLEACHING

METHODS

Reviewing vital bleaching and chemical alterations. Feinman RA. **J Am Dent Assoc** 1991 Feb;122(2):55–6 (7 ref.)

TOOTH CROWDING see **MALOCCLUSION**

TOOTH, DECIDUOUS

CHEMISTRY

Predictors of tooth-lead level with special reference to traffic. A study of lead-exposure in children. Lyngbye T, et al. **Int Arch Occup Environ Health** 1990;62(6):417–22 (37 ref.)

TOOTH DISEASES

ETIOLOGY

Occupational diseases of teeth. Gupta BN. **J Soc Occup Med** 1990 Winter;40(4):149–52 (28 ref.)

MICROBIOLOGY

[Microbiologic diagnosis, antibacterial chemotherapy and prevention in dental care—a review] Handrick W, et al. **Z Arztl Fortbild (Jena)** 1991 Apr 25;85(8):353–8 (57 ref.) **(Ger)**

RADIOGRAPHY

Fine-detail panoramic radiography by free-focus radiography. A clinical demonstration of diagnostic radiographs. Jensen TW. **Oral Surg Oral Med Oral Pathol** 1990 Oct;70(4):502–15 (21 ref.)

THERAPY

Restoring the ageing dentition: repair or replacement? Ettinger RL. **Int Dent J** 1990 Oct;40(5):275–82 (58 ref.)

TOOTH ERUPTION

PHYSIOLOGY

Eruption disturbances of permanent molars: a review. Raghoebar GM, et al. **J Oral Pathol Med** 1991 Apr; 20(4):159–66 (54 ref.)

[The rate of the eruption of human teeth. A review] Schroeder HE. **Schweiz Monatsschr Zahnmed** 1991; 101(3):279–84 (27 ref.) (Eng. Abstr.) **(Ger)**

TOOTH ERUPTION, ECTOPIC

Transmigration of permanent mandibular canines. Case report. Shanmuhasuntharam P, et al. **Aust Dent J** 1991 Jun; 36(3):209–13 (27 ref.)

Eruption disturbances of permanent molars: a review. Raghoebar GM, et al. **J Oral Pathol Med** 1991 Apr; 20(4):159–66 (54 ref.)

TOOTH EXTRACTION

Hypoprothrombinemia (factor II deficiency): report of a case and review of literature. Rahimi A, et al. **J Oral Maxillofac Surg** 1991 Jan;49(1):84–7 (26 ref.)

ADVERSE EFFECTS

Herniation of the antral membrane through an extraction site. Report of a case. Shultz RE, et al. **Oral Surg Oral Med Oral Pathol** 1991 Mar;71(3):280–2 (3 ref.)

TOOTH FRACTURES

[Research on tooth fractures] Xu J, et al. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1990 May; 25(3):173–5 (20 ref.) **(Chi)**

THERAPY

Management of associated dental injuries in maxillofacial trauma. Dierks EJ. **Otolaryngol Clin North Am** 1991 Feb; 24(1):165–79 (18 ref.)

Managing common dental problems and emergencies. Josell

SD, et al. **Pediatr Clin North Am** 1991 Oct;38(5):1325–42 (38 ref.)

TOOTH GERM

see related
ODONTOGENESIS

METABOLISM

Syndecan and tenascin: induction during early tooth morphogenesis and possible interactions. Thesleff I, et al. **Cell Differ Dev** 1990 Dec 2;32(3):383–9 (37 ref.)

PHYSIOLOGY

Growth factors and tooth development. Partanen AM, et al. **Int J Dev Biol** 1989 Mar;33(1):165–72 (43 ref.)

TOOTH, IMPACTED

Eruption disturbances of permanent molars: a review. Raghoebar GM, et al. **J Oral Pathol Med** 1991 Apr; 20(4):159–66 (54 ref.)

COMPLICATIONS

[Acute pericoronitis of mandibular wisdom teeth] Chen SY, et al. **Chung Hua Kou Chiang Hsueh Tsa Chih** 1990 May; 25(3):179–80 (16 ref.) **(Chi)**

TOOTH LOSS

ETIOLOGY

Hypophosphatasia in an adult: a case report. Nangaku M, et al. **Jpn J Med** 1991 Jan–Feb;30(1):47–52 (32 ref.)

PSYCHOLOGY

Self-inflected oral injuries and suicidal ideation secondary to loss of teeth. Watkins KV. **N Y State Dent J** 1991 May; 57(5):21–3 (12 ref.)

REHABILITATION

Prosthetic reconstruction of dentitions seriously compromised by periodontal disease. Lundgren D. **J Clin Periodontol** 1991 Jul;18(6):390–5 (27 ref.)

TOOTH MIGRATION

Transmigration of permanent mandibular canines. Case report. Shanmuhasuntharam P, et al. **Aust Dent J** 1991 Jun; 36(3):209–13 (27 ref.)

TOOTH MOVEMENT, MINOR

Orthodontic treatment and temporomandibular joint sounds--a longitudinal study. Sadowsky C, et al. **Am J Orthod Dentofacial Orthop** 1991 May;99(5):441–7 (49 ref.)

Toothbrushing and transient bacteremia in patients undergoing orthodontic treatment. Schlein RA, et al. **Am J Orthod Dentofacial Orthop** 1991 May;99(5):466–72 (39 ref.)

The case for postoperative orthodontics in orthognathic surgery. Koole R, et al. **J Craniomaxillofac Surg** 1990 Oct; 18(7):293–6 (8 ref.)

[Bone resorption in orthodontic tooth movement: an attempted schematization] Olive M, et al. **Orthod Fr** 1989; 60 Pt 2:895–904 (54 ref.) (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

Vertical skeletal change associated with Andresen, Harvold, and Begg treatment. Ball JV, et al. **Eur J Orthod** 1991 Feb;13(1):47–52 (26 ref.)

[Metal technology and materials in Edgewise technic] Hurez C. **Orthod Fr** 1990;61 Pt 1:95–119 (34 ref.) **(Fre)**

METHODS

Restoring teeth following crown lengthening procedures. Assif D, et al. **J Prosthet Dent** 1991 Jan;65(1):62–4 (10 ref.)

Lingual orthodontic appliances: invisible braces. Muir JC. **N Z Dent J** 1991 Apr;87(388):57–9 (4 ref.)

[The development and perspectives of the Edgewise technic. The therapeutic setting] Decosse MH. **Orthod Fr** 1990;61 Pt 1:19–57 (131 ref.) **(Fre)**

[The development and perspectives of the Edgewise technic. The biomechanics of the continuous arch] Garcia R. **Orthod Fr** 1990;61 Pt 1:59–93 (98 ref.) **(Fre)**

[The Tweed-Merrifield Edgewise technic] Horn AJ. **Orthod Fr** 1990;61 Pt 1:121–60 (122 ref.) **(Fre)**

[The therapeutic impact of the Begg technic on vertical dimension] Méry J, et al. **Orthod Fr** 1989;60 Pt 2:861–71 (22 ref.) (Eng. Abstr.) **(Fre)**

[A comparative study of cephalometric variation of the skeletal and dentoalveolar structures after treatment with the Begg, Ricketts and edgewise technic in cases of Class I and Class II malocclusions treated with and without extractions] Saurel-Passebosc C, et al. **Orthod Fr** 1989;60 Pt 2:873–94 (8 ref.) (Eng. Abstr.) **(Fre)**

TOOTH ROOT

see related
ROOT RESORPTION

Current status of periodontal therapy for furcation involvements. Carranza FA Jr, et al. **Dent Clin North Am** 1991 Jul;35(3):555–70 (67 ref.)

Removable partial overdentures with natural root structure and osseointegrated fixtures. Jackson TR. **Dent Clin North Am** 1990 Oct;34(4):711–28 (16 ref.)

ABNORMALITIES

Incidence and features of three-rooted permanent mandibular molars. Loh HS. **Aust Dent J** 1990 Oct;35(5):434–7 (14 ref.)

PATHOLOGY

Root lesions. König KG. **Int Dent J** 1990 Oct;40(5):283–8 (13 ref.)

TOOTH, SUPERNUMERARY

EPIDEMIOLOGY

Development of supernumerary premolars in an orthodontic population. Rubenstein LK, et al. **Oral Surg Oral Med Oral Pathol** 1991 Mar;71(3):392–5 (10 ref.)

SURGERY

Tissue regeneration principles applied to separation of fused teeth. Kohavi D, et al. **J Clin Periodontol** 1990 Oct; 17(9):623–9 (26 ref.)

TOOTH SUPPORTING STRUCTURES see **PERIODONTIUM**

TOOTH, UNERUPTED

see related
TOOTH, IMPACTED

Eruption disturbances of permanent molars: a review. Raghoebar GM, et al. **J Oral Pathol Med** 1991 Apr; 20(4):159–66 (54 ref.)

RADIOGRAPHY

Intracoronal radiolucencies within unerupted teeth. Case report and review of literature. Ignelzi MA Jr, et al. **Oral Surg Oral Med Oral Pathol** 1990 Aug;70(2):214–20 (20 ref.)

TOOTH, WISDOM see **MOLAR, THIRD**

TOOTHACHE

CLASSIFICATION

[Headaches and craniofacial pains with dental involvement in the classification of the International Headache Society (1988)] Macaluso GM, et al. **Minerva Stomatol** 1990 Aug; 39(8):685–95 (16 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Headache problems that can present as toothache. Graff-Radford SB. **Dent Clin North Am** 1991 Jan; 35(1):155–70 (66 ref.)

DRUG THERAPY

[Piroxicam in analgesia] Eandi M, et al. **Clin Ter** 1991 Jan 31;136(2):107–35 (52 ref.) (Eng. Abstr.) **(Ita)**

TOOTHBRUSHING

Toothbrushing and transient bacteremia in patients undergoing orthodontic treatment. Schlein RA, et al. **Am J Orthod Dentofacial Orthop** 1991 May;99(5):466–72 (39 ref.)

ADVERSE EFFECTS

Episodic factitious gingival injury secondary to topical anesthesia. A case report. Raab FJ, et al. **J Periodontol** 1991 Jun;62(6):402–6 (28 ref.)

TOOTHPASTE

Clinical effect and mechanism of cariostatic action of fluoride-containing toothpastes: a review. Rølla G, et al. **Int Dent J** 1991 Jun;41(3):171–4 (14 ref.)

Sanguinaria toothpaste and oral rinse regimen clinical efficacy in short- and long-term trials. Kuftinec MM, et al. **J Can Dent Assoc** 1990;56(7 Suppl):31–3 (37 ref.)

New perspectives on Sanguinaria clinicals: individual toothpaste and oral rinse testing. Laster LL, et al. **J Can Dent Assoc** 1990;56(7 Suppl):19–30 (24 ref.)

[The treatment of dentin hypersensitivity] Collaert B, et al. **Rev Belge Med Dent** 1991;46(2):63–73 (53 ref.) (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

The effects of tartar-control toothpaste on the oral soft tissues. Kowitz G, et al. **Oral Surg Oral Med Oral Pathol** 1990 Oct;70(4):529–36 (30 ref.)

THERAPEUTIC USE

Role of toothpastes in the cleaning of teeth. Forward GC. **Int Dent J** 1991 Jun;41(3):164–70 (32 ref.)

TOPECTOMY see **PSYCHOSURGERY**

TOPOGRAPHIC BRAIN MAPPING see **BRAIN MAPPING**

TORNADOES see **NATURAL DISASTERS**

TORP see **OSSICULAR REPLACEMENT PROSTHESIS**

TORSADES DE POINTES

Torsades de Pointes: a review. Vukmir RB. **Am J Emerg Med** 1991 May;9(3):250–5 (44 ref.)

CLASSIFICATION

Torsades de pointes: arrhythmia, syndrome, or chimera? A perspective in the light of the Lambeth Conventions. Curtis MJ. **Cardiovasc Drugs Ther** 1991 Feb;5(1):191–200 (29 ref.)

DRUG THERAPY

[Magnesium sulphate in the treatment of torsade de pointes ventricular tachycardia] Sangiorgi M, et al. **Ann Ital Med Int** 1988 Apr–Jun;3(2):141–7 (20 ref.) **(Ita)**

PHYSIOPATHOLOGY

Torsades de pointes and early afterdepolarizations. Cranefield PF, et al. **Cardiovasc Drugs Ther** 1991 Apr;5(2):531–7 (21 ref.)

Electrophysiologic mechanisms involved in the development of torsades de pointes. Priori SG, et al. **Cardiovasc Drugs Ther** 1991 Feb;5(1):203–12 (37 ref.)

PREVENTION & CONTROL

Torsades de pointes: prevention and therapy. Keren A, et al. **Cardiovasc Drugs Ther** 1991 Apr;5(2):509–13 (48 ref.)

THERAPY

Torsades de pointes: prevention and therapy. Keren A, et al. **Cardiovasc Drugs Ther** 1991 Apr;5(2):509–13 (48 ref.)

TORTICOLLIS

SURGERY

[Accessory nerve decompression for the treatment of spasmodic torticollis] Shima F, et al. **No Shinkei Geka** 1990 Aug;18(8):693–700 (32 ref.) **(Jpn)**

THERAPY

[Therapeutic possibilities in spasmodic torticollis] Wöber C, et al. **Wien Klin Wochenschr** 1991;103(1):15–20 (101 ref.) (Eng. Abstr.) **(Ger)**

TORTURE

Electrically induced dermal changes. A morphological study of porcine skin after transfer of low-moderate amounts of electrical energy. Karlsmark T. **Dan Med Bull** 1990 Dec; 37(6):507–20 (110 ref.)

Assessment and treatment of torture victims: a critical review. Allodi FA. **J Nerv Ment Dis** 1991 Jan;179(1):4–11 (71 ref.)

TORULOPSIS see **CANDIDA**

TORULOSIS see **CRYPTOCOCCOSIS**

TOTAL BODY IRRADIATION see **WHOLE-BODY IRRADIATION**

TOTAL PARENTERAL NUTRITION see **PARENTERAL HYPERALIMENTATION**

TOUCH

The infant's use of visual and haptic information in the perception and recognition of objects. Ruff HA. **Can J Psychol** 1989 Jun;43(2):302–19 (80 ref.)

PHYSIOLOGY

Physiological reactions during brush saw operation. Bovenzi M, et al. **Int Arch Occup Environ Health** 1990;62(6):445–9 (25 ref.)

Rediscovering tactile agnosia. Caselli RJ. **Mayo Clin Proc** 1991 Feb;66(2):129–42 (36 ref.)

TOURETTE SYNDROME

Tourette syndrome and other tic disorders. Diagnosis, pathophysiology, and treatment. Singer HS, et al. **Medicine (Baltimore)** 1991 Jan;70(1):15–32 (200 ref.)

BLOOD

Alpha melanocyte stimulating hormone (MSH) in Tourette's syndrome. Sandyk R. **Int J Neurosci** 1989 Jan; 44(1–2):161–4 (20 ref.)

COMPLICATIONS

Tourette's disorder and associated complex behaviors: a case report. McDougle CJ, et al. **Yale J Biol Med** 1990 May–Jun;63(3):209–14 (35 ref.)

DIAGNOSIS

Conceptual and methodological issues in studies of obsessive–compulsive and Tourette's disorders. Hollander E, et al. **Psychiatr Dev** 1989 Winter;7(4):267–96 (132 ref.)

DRUG THERAPY

Stimulants for ADHD in child patients with Tourette's syndrome: the issue of relative risk. Gadow KD, et al. **J Dev Behav Pediatr** 1990 Oct;11(5):269–71; discussion 272 (50 ref.)

ETIOLOGY

Tourette syndrome attributed to frontal lobe dysfunction: numerous etiologies involved. Gedye A. **J Clin Psychol** 1991 Mar;47(2):233–52 (134 ref.)

Tourette syndrome: recent advances. Golden GS. **Neurol Clin** 1990 Aug;8(3):705–14 (51 ref.)

[Multiple tics and Gilles de la Tourette syndrome] Müller K. **Monatsschr Kinderheilkd** 1991 Jun;139(6):330–5 (59 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

Untying the gordian knot: the genetics of Tourette syndrome. Devor EJ. **J Nerv Ment Dis** 1990 Nov;178(11):669–79 (98 ref.)

NURSING

Tics through Tourette's syndrome. Carter JH. **J Neurosci Nurs** 1991 Jun;23(3):145–7 (9 ref.)

Nursing implications of Tourette's syndrome. Rea K. **J Neurosci Nurs** 1991 Jun;23(3):148–57 (32 ref.)

PHYSIOPATHOLOGY

Dopaminergic supersensitivity factors in Tourette's syndrome: a hypothesis. Sandyk R. **Int J Neurosci** 1989 Jan;44(1–2):169–74 (34 ref.)

TOURETTE'S DISORDER see **TOURETTE SYNDROME**

TOURNIQUET PAIN TEST see **PAIN MEASUREMENT**

TOURNIQUETS

Does tourniquet use during anterior cruciate ligament surgery interfere with postsurgical recovery of function? A review of the literature. Gutin B, et al. **Arthroscopy** 1991;7(1):52–6 (33 ref.)

TOXAPHENE

Toxaphene: chemistry, biochemistry, toxicity and environmental fate. Saleh MA. **Rev Environ Contam Toxicol** 1991;118:1–85 (304 ref.)

TOXASCARIASIS see **NEMATODE INFECTIONS**

TOXEMIA

see related
PREGNANCY TOXEMIAS

DRUG THERAPY

[Traditional Chinese medicine and Western medicine in the treatment of endotoxemia] Chen HL. **Chung Hsi I Chieh Ho Tsa Chih** 1991 Mar;11(3):184–7 (37 ref.) **(Chi)**

ETIOLOGY

Regulatory mechanisms of host responsiveness to endotoxin (lipopolysaccharide). Mathison J, et al. **Pathobiology** 1991; 59(3):185–8 (8 ref.)

METABOLISM

Altered Ca2+ homeostasis and functional correlates in hepatocytes and adipocytes in endotoxemia and sepsis. Spitzer JA. **J Trauma** 1990 Dec;30(12 Suppl):S192–7 (48 ref.)

THERAPY

[Plasmapheresis as an optimal method to improve the outcome of surgical diseases] Genyk SN, et al. **Sov Med** 1990;(7):33–41 (60 ref.) **(Rus)**

[Extracorporeal use of porcine spleen in the treatment of patients] Genyk SN, et al. **Vestn Khir** 1991 Feb;146(2):151–3 (19 ref.) **(Rus)**

TOXIC SHOCK SYNDROME see **SHOCK, SEPTIC**

TOXIC SUBSTANCES, ENVIRONMENTAL see **HAZARDOUS SUBSTANCES**

TOXICOLOGY

see related
POISONS

Postmortem forensic toxicology. Levine BS, et al. **Clin Lab Med** 1990 Sep;10(3):571–89 (70 ref.)

Using theoretical descriptors in quantitative structure–activity relationships: some toxicological indices. Wilson LY, et al. **J Med Chem** 1991 May;34(5):1668–74 (35 ref.)

METHODS

Biologically based pharmacodynamic models: tools for toxicological research and risk assessment. Conolly RB, et al. **Annu Rev Pharmacol Toxicol** 1991;31:503–23 (52 ref.)

From comparative physiology to toxicological risk assessment. Koeman JH. **Comp Biochem Physiol [C]** 1991; 100(1–2):7–10 (19 ref.)

A baseline–ecosystem approach to the analysis of ecotoxicological effects. Mathes K, et al. **Ecotoxicol Environ Safety** 1990 Oct;20(2):197–202 (16 ref.)

A viewpoint on the extrapolation of toxicological data from animals to man. Feron VJ, et al. **Food Chem Toxicol** 1990 Nov;28(11):783–8 (19 ref.)

Shortcomings of current strategy for toxicity testing of food chemicals: polyols. Roe FJ. **Food Chem Toxicol** 1990 Nov; 28(11):739–42 (22 ref.)

Pharmacokinetic considerations in the design and interpretation of developmental toxicity studies. Nau H. **Fundam Appl Toxicol** 1991 Feb;16(2):219–21 (17 ref.)

Whole embryo culture and teratogenesis. Steele CE. **Hum Reprod** 1991 Jan;6(1):144–7 (29 ref.)

Approaches used by the US National Toxicology Program in assessing the toxicity of chemical mixtures. Schwetz BA, et al. **IARC Sci Publ** 1990;(104):113–20 (8 ref.)

Comparison of endogenous and exogenous photosensitization in the lens using in vitro and photophysical studies. Roberts JE, et al. **Lens Eye Toxic Res** 1989;6(1–2):309–18 (34 ref.)

Staircase bioassay: the up-and-down method. Dixon WJ. **Neurosci Biobehav Rev** 1991 Spring;15(1):47–50 (10 ref.)

Stagewise, group sequential experimental designs for quantal responses. one-sample and two-sample comparisons. Feder PI, et al. **Neurosci Biobehav Rev** 1991 Spring;15(1):129–33 (6 ref.)

A perspective on the selection of experimental models. Irving GW 3d. **Neurosci Biobehav Rev** 1991 Spring;15(1):15–20 (25 ref.)

Animal-to-human extrapolation using compartmental models. Medina RL, et al. **Neurosci Biobehav Rev** 1991 Spring;15(1):57–61 (11 ref.)

Essential roles for animal models in understanding human toxicities. Russell RW. **Neurosci Biobehav Rev** 1991 Spring; 15(1):7–11 (44 ref.)

Behavioral toxicology and risk assessment. Annau Z. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):547–51 (32 ref.)

Reflex modification and the detection of toxicant-induced auditory dysfunction. Crofton KM. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):461–8 (68 ref.)

Threshold procedures for assessing the impact of agents on brain reward systems. Fountain SB, et al. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):469–75 (26 ref.)

Use of monkey neonatal neurobehavioral test batteries in safety testing protocols. Golub MS. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):537–41 (19 ref.)

The pigeon as a model for comparative behavioral pharmacology and toxicology. McMillan DE. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):523–9 (43 ref.)

Approaches for assessing the validity of a functional observational battery. Moser VC. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):483–8 (24 ref.)

Neurobehavioral assessment during the early postnatal period. Spear LP. **Neurotoxicol Teratol** 1990 Sep–Oct; 12(5):489–95 (43 ref.)

Operant behavior as a technique for toxicity testing. Wenger GR. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):515–21 (13 ref.)

[Methodology for research on toxicity and its prediction] Suzuki K. **Jikken Dobutsu** 1990 Oct;39(4):497–505 (18 ref.) **(Jpn)**

[Analysis of methodological approach to the evaluation of toxicity of complex mixtures of relatively constant composition used in industry (review of the literature)] Blinova EA. **Gig Tr Prof Zabol** 1990;(7):39–42 (53 ref.) (Eng. Abstr.) **(Rus)**

STANDARDS

Internal and external quality control in the toxicological analysis of blood and urine samples in the Federal Republic of Germany. Schaller KH, et al. **Int Arch Occup Environ Health** 1991;62(8):537–42 (10 ref.)

TRENDS

The advancement of the science of clinical toxicology. Van Heijst AN. **Vet Hum Toxicol** 1991 Feb;33(1):43–4 (0 ref.)

TOXIN–ANTIBODY CONJUGATES see **IMMUNOTOXINS**

TOXIN–ANTIBODY HYBRIDS see **IMMUNOTOXINS**

TOXIN CARRIERS see **IMMUNOTOXINS**

TOXIN CONJUGATES see **IMMUNOTOXINS**

TOXINS

Hormone, lectin and toxin–toxin conjugates. Oeltmann TN, et al. **Cancer Treat Res** 1988;37:281–95 (51 ref.)

Toxin selection and modification—overview. Youle RJ. **Cancer Treat Res** 1988;37:93–6 (13 ref.)

Perspectives on human health concerns arising from natural toxicants in feeds and poisonous plants. Cheeke PR. **Vet Hum Toxicol** 1990;32 Suppl:71–5 (27 ref.)

ADMINISTRATION & DOSAGE

Growth factors and other ligands. Raso V. **Cancer Treat Res** 1988;37:297–320 (83 ref.)

ANALYSIS

The potential for the toxic principles of Astragalus and related plants to appear in meat and milk. James LF, et al. **Vet Hum Toxicol** 1990;32 Suppl:104–9 (47 ref.)

CHEMISTRY

Toxin structure. Robertus JD. **Cancer Treat Res** 1988; 37:11–24 (45 ref.)

IMMUNOLOGY

The function of allergy: immunological defense against toxins. Profet M. **Q Rev Biol** 1991 Mar;66(1):23–62 (295 ref.)

ISOLATION & PURIFICATION

[Uremic middle-molecule toxins and their removal in hemofiltration] Kazakov IV, et al. **Urol Nefrol (Mosk)** 1991 Jan–Feb;(1):67–73 (119 ref.) **(Rus)**

PHARMACOLOGY

Structure and modulation of voltage-gated ion channels. Catterall WA, et al. **Ann N Y Acad Sci** 1991;625:174–80 (24 ref.)

Regulation of the epidermal growth factor receptor by growth-modulating agents. Rosner MR. **Biotechnol Appl Biochem** 1990 Oct;12(5):473–7 (37 ref.)

How protein toxins enter and kill cells. Olsnes S, et al. **Cancer Treat Res** 1988;37:39–73 (209 ref.)

POISONING

Diagnostic and clinically important aspects of cyanobacterial (blue-green algae) toxicoses. Beasley VR, et al. **J Vet Diagn Invest** 1989 Oct;1(4):359–65 (43 ref.)

Why these toxins and why now? Hall JO, et al. **Vet Hum Toxicol** 1990;32 Suppl:2–5 (46 ref.)

TOXICITY

Pharmacokinetic basis of age-related changes in sensitivity to toxicants. Birnbaum LS. **Annu Rev Pharmacol Toxicol** 1991;31:101–28 (281 ref.)

Natural carcinogens and dioxin. Ames BN. **Sci Total Environ** 1991 May 1;104(1–2):159–66 (9 ref.)

Anti-idiotype-based vaccines against biological toxins. Chanh TC, et al. **Toxicol Appl Pharmacol** 1991 Apr; 108(2):183–93 (33 ref.)

[Injury to the immune system by food contaminated by environmental toxins] Stickl HA. **Zentralbl Hyg Umweltmed** 1991 Mar;191(2–3):232–40 (10 ref.) (Eng. Abstr.) **(Ger)**

TOXINS, CHIMERIC see **IMMUNOTOXINS**

TOXINS, TARGETED see **IMMUNOTOXINS**

TOXOCARA

IMMUNOLOGY

Immunologic relevance of the cuticle and epicuticle of larval Dirofilaria immitis and Toxocara canis. Grieve RB. **Acta Trop (Basel)** 1990 Jul;47(5–6):399–402 (11 ref.)

METABOLISM

Surface associated glycoproteins from Toxocara canis larval parasites. Maizels RM, et al. **Acta Trop (Basel)** 1990 Jul; 47(5–6):355–64 (46 ref.)

TOXOCARIASIS

VETERINARY

Rational control of canine toxocariasis by the veterinary practitioner. Barriga OO. **J Am Vet Med Assoc** 1991 Jan 15;198(2):216–21 (26 ref.)

TOXOPLASMA

Toxoplasma gondii––new advances in cellular and molecular biology. McLeod R, et al. **Exp Parasitol** 1991 Jan; 72(1):109–21 (66 ref.)

PHYSIOLOGY

Cell attachment and entry by Toxoplasma gondii. Joiner K. **Behring Inst Mitt** 1991 Feb;(88):20–6 (19 ref.)

TOXOPLASMA GONDII see **TOXOPLASMA**

TOXOPLASMA GONDII INFECTION see **TOXOPLASMOSIS**

TOXOPLASMOSIS

Toxoplasmosis in humans: discussion paper. Ho-Yen DO. **J R Soc Med** 1990 Sep;83(9):571–2 (13 ref.)

Toxoplasmosis. Freij BJ, et al. **Pediatr Rev** 1991 Feb; 12(8):227–36 (18 ref.)

[From the historical background of Toxoplasma gondii to the sero-immunological interpretation of the 30-yr results of a longitudinal study of newborn infants until 96 months of age] Zardi O. **G Batteriol Virol Immunol** 1989 Jan–Dec; 82(1–12):8–16 (41 ref.) (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Toxoplasmic encephalitis. Luft BJ, et al. **AIDS Clin Rev** 1990; :215–34 (181 ref.)

Current diagnosis and management of toxoplasmosis in cancer patients. McCabe RE. **Oncology (Williston Park)** 1990 Oct;4(10):81–90; discussion 93–4 (46 ref.)

[Lymph node toxoplasmosis, recurrent autoimmune thrombopenia and Hodgkin's disease (letter)] Hauteville D, et al. **Ann Med Interne (Paris)** 1990;141(8):710–2 (15 ref.) **(Fre)**

[Acute toxoplasmic myocarditis. A cause of sudden death in a case of acquired immunodeficiency syndrome] Hoffman P, et al. **Arch Mal Coeur** 1990 Oct;83(11):1735–8 (10 ref.) (Eng. Abstr.) **(Fre)**

[Toxoplasmosis in patients with HIV infections: diagnosis and treatment] Bolao F, et al. **Enferm Infecc Microbiol Clin** 1990 Jun–Jul;8(6):376–83 (81 ref.) **(Spa)**

[The characteristics of the opportunistic infections associated with AIDS: tuberculosis and toxoplasmosis] Gatell JM. **Rev Clin Esp** 1990 May;186(8):405–6 (30 ref.) **(Spa)**

DIAGNOSIS

[Toxoplasma infection and pregnancy] Filipov G. **Akush Ginekol (Sofiia)** 1990;29(6):58–61 (14 ref.) **(Bul)**

[Clinical criteria of the diagnosis and management of various forms of toxoplasmosis] Kocięcka W. **Pol Tyg Lek** 1989 Aug 21–28;44(34–35):809–12 (30 ref.) **(Pol)**

DRUG THERAPY

Sulfadiazine crystalluria revisited. The treatment of Toxoplasma encephalitis in patients with acquired immunodeficiency syndrome. Simon DI, et al. **Arch Intern Med** 1990 Nov;150(11):2379–84 (34 ref.)

PREVENTION & CONTROL

Screening for viral and protozoal infections in pregnancy. A review. Klapper PE, et al. **Br J Obstet Gynaecol** 1990 Nov;97(11):974–83 (84 ref.)

Role of gamma interferon in Toxoplasma gondii infection. Subauste CS, et al. **Eur J Clin Microbiol Infect Dis** 1991 Feb;10(2):58–67 (88 ref.)

The tragedy of toxoplasmosis. Remington JS. **Pediatr Infect Dis J** 1990 Oct;9(10):762–3 (6 ref.)

TOXOPLASMOSIS, ANIMAL

Ovine toxoplasmosis: a review. Buxton D. **J R Soc Med** 1990 Aug;83(8):509–11 (41 ref.)

TOXOPLASMOSIS, CONGENITAL

COMPLICATIONS

[Chorioretinitis in congenital toxoplasmosis] Bazard MC, et al. **J Fr Ophtalmol** 1990;13(8–9):434–40 (22 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Clinical criteria of the diagnosis and management of various forms of toxoplasmosis] Kocięcka W. **Pol Tyg Lek** 1989 Aug 21–28;44(34–35):809–12 (30 ref.) **(Pol)**

PREVENTION & CONTROL

The tragedy of toxoplasmosis. Remington JS. **Pediatr Infect Dis J** 1990 Oct;9(10):762–3 (6 ref.)

[Screening for toxoplasmosis and rubella in prenatal care?] Hengst P. **Zentralbl Gynakol** 1990;112(15):941–4 (7 ref.) **(Ger)**

TOXOPLASMOSIS, OCULAR

Ocular toxoplasmosis. Tabbara KF. **Int Ophthalmol** 1990 Oct; 14(5–6):349–51 (10 ref.)

Ocular toxoplasmosis. Jabs DA. **Int Ophthalmol Clin** 1990 Fall;30(4):264–70 (73 ref.)

DIAGNOSIS

[Clinical criteria of the diagnosis and management of various forms of toxoplasmosis] Kocięcka W. **Pol Tyg Lek** 1989 Aug 21–28;44(34–35):809–12 (30 ref.) **(Pol)**

ETIOLOGY

[Ocular toxoplasmosis and AIDS. A case report] Garcher C, et al. **J Fr Ophtalmol** 1990;13(1–2):69–73 (25 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Ocular toxoplasmosis––clinical aspect. Bloch-Michel E. **Int Ophthalmol** 1990 Oct;14(5–6):353–7 (4 ref.)

TOYS see **PLAY AND PLAYTHINGS**

TP-5 see **THYMOPENTIN**

TRABECULECTOMY

Medicine, lasers and surgery. Cyrlin MN. **CLAO J** 1991 Apr; 17(2):138–40 (14 ref.)

Long-term efficacy of repeat argon laser trabeculoplasty. Feldman RM, et al. **Ophthalmology** 1991 Jul;98(7):1061–5 (18 ref.)

Laser trabeculoplasty. Reiss GR, et al. **Surv Ophthalmol** 1991 May–Jun;35(6):407–28 (175 ref.)

[5-Fluorouracil and trabeculectomy. A trial of low doses] Adenis JP, et al. **J Fr Ophtalmol** 1990;13(4):169–75 (44 ref.) (Eng. Abstr.) **(Fre)**

TRABECULOPLASTY see **TRABECULECTOMY**

TRACE ELEMENTS

Ultratrace minerals mythical elixirs or nutrients of concern? Nielsen FH. **Bol Asoc Med P R** 1991 Mar;83(3):131–3 (16 ref.)

Milestones in biological trace element research. Iyengar GV. **Sci Total Environ** 1991 Mar;100 Spec No:1–15 (44 ref.)

[The rationale for the recommended levels of consumption of energy and basic food substances (mineral substances)] Kon' IIa. **Vopr Pitan** 1990 Nov–Dec;(6):9–16 (33 ref.) **(Rus)**

ADVERSE EFFECTS

Toxic effects of electrolyte and trace mineral administration in the intensive care unit. Besunder JB, et al. **Crit Care Clin** 1991 Jul;7(3):659–93 (181 ref.)

Mutagenesis and micronutrients relationship. Chow CK. **Food Addit Contam** 1990;7 Suppl 1:S44–7 (16 ref.)

ANALYSIS

Measurements of trace elements in vivo. Chettle DR, et al. **Basic Life Sci** 1990;55:247–57 (41 ref.)

Trace elements in street and house dusts: sources and speciation. Fergusson JE, et al. **Sci Total Environ** 1991 Mar; 100 Spec No:125–50 (91 ref.)

[Determination of trace elements in the hair: significance and limitations] Lamand M, et al. **Ann Biol Clin (Paris)** 1990; 48(7):433–42 (101 ref.) (Eng. Abstr.) **(Fre)**

BLOOD

[Metals, inflammation and rheumatoid polyarthritis] Cutolo M, et al. **Rev Rhum Mal Osteoartic** 1990 Dec;57(12):895–8 (22 ref.) **(Fre)**

[The effect of soybean protein on lipids and trace elements in elderly hospitalized women] Regöly-Mérei A, et al. **Orv Hetil** 1991 Jul 14;132(28):1523–6 (33 ref.) (Eng. Abstr.) **(Hun)**

[Trace element deficiency in healthy subjects based on multi-element analysis of serum and plasma] Szabó G, et al. **Orv Hetil** 1991 Feb 24;132(8):395–400 (41 ref.) (Eng. Abstr.) **(Hun)**

DEFICIENCY

Mineral insufficiency and cancer. Diplock AT. **Med Oncol Tumor Pharmacother** 1990;7(2–3):193–8 (29 ref.)

Trace element deficiencies in cattle. Graham TW. **Vet Clin North Am Food Anim Pract** 1991 Mar;7(1):153–215 (455 ref.)

METABOLISM

The diagnostic value of measurements for trace elements in biological material. Aggett PJ. **Beitr Infusionther** 1991; 27:53–65 (25 ref.)

Current aspects of trace element research in environmental health. Kono K, et al. **Bull Osaka Med Coll** 1989 Nov; 35(1–2):1–9 (60 ref.)

Trace and ultratrace elements in health and disease. Nielsen FH. **Compr Ther** 1991 Mar;17(3):20–6 (20 ref.)

Dietary modulation of cytokine production and biologic functions. Meydani SN. **Nutr Rev** 1990 Oct;48(10):361–9 (53 ref.)

[Phytates, dietary fiber and drugs linked with the absorption of mineral substances and carbohydrates from food] Angelova-Gateva P, et al. **Vutr Boles** 1990;29(3):47–52 (32 ref.) **(Bul)**

PHARMACOLOGY

Nutritional effect and expression of SODs: induction and gene expression; diagnostics; prospective protection against oxygen toxicity. del Río LA, et al. **Free Radic Res Commun** 1991;12–13 Pt 2:819–27 (49 ref.)

Influence of energy levels and trace metals on health and life span. Good RA, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):230S–236S (88 ref.)

The effects of essential trace minerals on reproduction in beef cattle. Corah LR, et al. **Vet Clin North Am Food Anim Pract** 1991 Mar;7(1):41–57 (60 ref.)

PHYSIOLOGY

Trace metal nutrition and the immune response. Gershwin ME, et al. **Compr Ther** 1991 Mar;17(3):27–34 (37 ref.)

POISONING

Toxic effects of trace element excess. Thompson LJ, et al. **Vet Clin North Am Food Anim Pract** 1991 Mar;7(1):277–306 (114 ref.)

TRACHEA

see related
ANESTHESIA, INTRATRACHEAL
INTUBATION, INTRATRACHEAL

Management of tracheobronchial foreign bodies in children: an update. Healy GB. **Ann Otol Rhinol Laryngol** 1990 Nov; 99(11):889–91 (2 ref.)

[Tracheobronchial foreign bodies in childhood. Study of 133 cases and review of the literature] Sánchez Gómez S, et al. **Acta Otorrinolaringol Esp** 1990 Sep–Oct;41(5):309–16 (36 ref.) (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Neural control of airway vasculature and edema. Widdicombe JG. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S18–21 (30 ref.)

Reflex and nervous control of the tracheobronchial circulation. Godden DJ. **Eur Respir J Suppl** 1990 Dec; 12:602s–607s (59 ref.)

The ultrastructure and permeability of tracheobronchial blood vessels in health and disease. McDonald DM. **Eur Respir J Suppl** 1990 Dec;12:572s–585s (103 ref.)

Effects of neurotransmitters on tracheobronchial blood flow. Salonen RO, et al. **Eur Respir J Suppl** 1990 Dec; 12:630s–636s; discussion 636s–637s (50 ref.)

Airway heat and water fluxes and the tracheobronchial circulation. Solway J. **Eur Respir J Suppl** 1990 Dec; 12:608s–617s (69 ref.)

Effects of non-neural mediators and allergen on tracheobronchial blood flow. Webber SE, et al. **Eur Respir J Suppl** 1990 Dec;12:638s–643s; discussion 643s–644s (35 ref.)

Comparison between the vascular beds of upper and lower airways. Widdicombe JG. **Eur Respir J Suppl** 1990 Dec; 12:564s–571s (37 ref.)

CHEMISTRY

Structural features of the core proteins of human airway mucins ascertained by cDNA cloning. Porchet N, et al. **Am Rev Respir Dis** 1991 Sep;144(3 Pt 2):S15–8 (28 ref.)

Tachykinin receptors in the airways and lung: what should be block? Maggi CA. **Pharmacol Res** 1990 Sep–Oct; 22(5):527–40 (92 ref.)

CYTOLOGY

Growth and differentiation factors in tracheobronchial epithelium. Jetten AM. **Am J Physiol** 1991 Jun;260(6 Pt 1):L361–73 (154 ref.)

Positive and negative regulation of proliferation and differentiation in tracheobronchial epithelial cells. Jetten AM, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S36–9 (29 ref.)

Functional morphology of the tracheobronchial tree and the lung periphery. Eckert H. **Z Erkr Atmungsorgane** 1991; 176(2–3):87–90 (7 ref.)

DRUG EFFECTS

Adrenoceptors in airway smooth muscle. Goldie RG, et al. **Pharmacol Ther** 1990;48(3):295–322 (225 ref.)

INNERVATION

Prejunctional control of excitatory neuroeffector transmission by prostaglandins in the airway smooth muscle tissue. Ito Y. **Am Rev Respir Dis** 1991 Mar;143(3 Pt

2):S6–10 (39 ref.)

METABOLISM

Functional consequences of abnormal fatty acid profiles in cultured airway epithelial cells. Alpert SE, et al. **Exp Lung Res** 1991 Jan–Feb;17(1):1–15 (47 ref.)

Biochemistry and pharmacology of mucin-like glycoproteins produced by cultured airway epithelial cells. Kim KC. **Exp Lung Res** 1991 May–Jun;17(3):533–45 (59 ref.)

PATHOLOGY

Imaging the airways. Computed tomography and magnetic resonance imaging. Shepard JO, et al. **Clin Chest Med** 1991 Mar;12(1):151–68 (80 ref.)

PHYSIOLOGY

Myosin phosphorylation/dephosphorylation and regulation of airway smooth muscle contractility. de Lanerolle P, et al. **Am J Physiol** 1991 Aug;261(2 Pt 1):L1–14 (138 ref.)

Regulation of the contractile element of airway smooth muscle. Gerthoffer WT. **Am J Physiol** 1991 Aug;261(2 Pt 1):L15–28 (150 ref.)

Plasma exudation as a first line respiratory mucosal defence. Persson CG, et al. **Clin Exp Allergy** 1991 Jan;21(1):17–24 (40 ref.)

Biology of airway basal cells. Evans MJ, et al. **Exp Lung Res** 1991 May–Jun;17(3):513–31 (43 ref.)

[Airway mucociliary transport] Takizawa Y. **Arerugi** 1990 Dec;39(12):1549–55 (9 ref.) **(Jpn)**

[The significance of disorders of tracheobronchial clearance in the development and course of chronic nonspecific lung diseases] Belova GV, et al. **Klin Med (Mosk)** 1990 Oct; 68(10):9–13 (23 ref.) **(Rus)**

PHYSIOPATHOLOGY

Segmental axial myoclonus presenting as a 'clicking trachea' [letter] MacDonald EA. **J Child Neurol** 1991 Apr; 6(2):182–4 (10 ref.)

RADIOGRAPHY

CT of the airways. Davis SD, et al. **Clin Imaging** 1990 Oct–Dec;14(4):280–300 (71 ref.)

The airway. Takasugi JE, et al. **Semin Roentgenol** 1991 Apr; 26(2):175–90 (48 ref.)

SECRETION

Protease actions on airway secretions. Relevance to cystic fibrosis. Nadel JA. **Ann N Y Acad Sci** 1991;624:286–96 (50 ref.)

SURGERY

[Rupture of the innominate artery: a complication of tracheal surgery] Bosco G, et al. **G Chir** 1988 May;9(5):303–7 (12 ref.) (Eng. Abstr.) **(Ita)**

TRACHEAL CYST see **MEDIASTINAL CYST**

TRACHEAL DISEASES

COMPLICATIONS

Tracheopathia osteochondroplastica complicated with thyroid cancer: case report and review of the literature in Japan. Morita S, et al. **Jpn J Med** 1990 Nov–Dec; 29(6):637–41 (23 ref.)

DIAGNOSIS

Imaging the airways. Computed tomography and magnetic resonance imaging. Shepard JO, et al. **Clin Chest Med** 1991 Mar;12(1):151–68 (80 ref.)

Imaging of the larynx and cervical trachea. Curtin HD. **Curr Opin Radiol** 1991 Feb;3(1):84–92 (23 ref.)

PATHOLOGY

Fatal airway obstruction caused by a mucous ball from a transtracheal oxygen catheter. Burton GG, et al. **Chest** 1991 Jun;99(6):1520–3 (12 ref.)

RADIOGRAPHY

Laryngotracheobronchial cartilage calcification in children. A case report and review of the literature. Santos JM. **Pediatr Radiol** 1991;21(5):377–8 (9 ref.)

The airway. Takasugi JE, et al. **Semin Roentgenol** 1991 Apr; 26(2):175–90 (48 ref.)

SURGERY

Fistulas between the aorta and tracheobronchial tree. MacIntosh EL, et al. **Ann Thorac Surg** 1991 Mar; 51(3):515–9 (53 ref.)

TRACHEAL NEOPLASMS

Leiomyosarcoma of the trachea. Case report. Thedinger BA, et al. **Ann Otol Rhinol Laryngol** 1991 Apr;100(4 Pt 1):337–40 (11 ref.)

DIAGNOSIS

Imaging techniques in the evaluation of tracheobronchial neoplasms. Aberle DR, et al. **Chest** 1991 Jan;99(1):211–5 (30 ref.)

ETIOLOGY

[A case of multiple inflammatory tracheo-bronchial polyps associated with chronic sinusitis] Sugihara R, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1990 Nov; 28(11):1494–8 (20 ref.) (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Tracheal neurilemmoma: case report and review of the literature. Stack PS, et al. **Head Neck** 1990 Sep–Oct; 12(5):436–9 (27 ref.)

SURGERY

Fibrous histiocytoma of the trachea: management of a rare cause of upper airway obstruction. Sculerati N, et al. **Int J Pediatr Otorhinolaryngol** 1990 Aug;19(3):295–301 (11 ref.)

[Our experience of the surgical treatment of thirty-nine tracheobronchial carcinoid tumors] Balawi A, et al. **Ann Chir** 1991;45(2):155–61 (25 ref.) (Eng. Abstr.) **(Fre)**

[A case of tracheal benign mixed tumor] Takahashi H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jun;39(6):920–3 (5 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Endoscopic palliation of tracheobronchial malignancies. Hetzel MR, et al. **Thorax** 1991 May;46(5):325–33 (77 ref.)

TRACHEAL STENOSIS

COMPLICATIONS

An interesting case presentation: pulmonary malformations associated with oculoauriculovertebral dysplasia (Goldenhar anomalad). Downing GJ, et al. **J Perinatol** 1991 Jun;11(2):190–2 (16 ref.)

CONGENITAL

[Intrinsic congenital stenoses of the trachea] Grimaux B, et al. **Ann Otolaryngol Chir Cervicofac** 1991;108(3):157–63 (34 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Radiotherapy-induced emergencies in the x-ray picture] Wüstenberg H. **Radiobiol Radiother (Berl)** 1990; 31(5):419–25 (19 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Tracheal resection and reconstruction: indications, surgical procedure, and postoperative care. LaMuraglia MV, et al. **Heart Lung** 1991 May;20(3):245–52 (5 ref.)

Tracheal stenosis by innominate artery compression in infants: surgical treatment in 35 cases. Schuster T, et al. **Prog Pediatr Surg** 1991;27:231–43 (26 ref.)

TRACHEITIS

Necrotizing tracheitis caused by Corynebacterium pseudodiphtheriticum: unique case and review. Colt HG, et al. **Rev Infect Dis** 1991 Jan–Feb;13(1):73–6 (16 ref.)

ETIOLOGY

Bacterial tracheitis: report of eight new cases and review. Donnelly BW, et al. **Rev Infect Dis** 1990 Sep–Oct; 12(5):729–35 (42 ref.)

Tracheobronchitis due to Corynebacterium pseudodiphtheriticum. Craig TJ, et al. **South Med J** 1991 Apr;84(4):504–6 (9 ref.)

MICROBIOLOGY

Pneumococcal bacterial tracheitis. Orenstein JB, et al. **Am J Emerg Med** 1991 May;9(3):243–5 (10 ref.)

Fungal tracheobronchitis. Report of 9 cases and review of the literature. Clarke A, et al. **Medicine (Baltimore)** 1991 Jan;70(1):1–14 (52 ref.)

TRACHEOBRONCHOMEGALY

Congenital tracheobronchomegaly (Mounier-Kuhn syndrome): a report of 10 cases and review of the literature. Woodring JH, et al. **J Thorac Imaging** 1991 Apr;6(2):1–10 (40 ref.)

TRACHEOESOPHAGEAL FISTULA

CONGENITAL

Esophageal motility in an adult with a congenital H-type tracheoesophageal fistula. Heitmiller RF, et al. **Dysphagia** 1990;5(3):138–41 (13 ref.)

SURGERY

Influence of anatomy and physiology on the management of oesophageal atresia. Beasley SW. **Prog Pediatr Surg** 1991; 27:53–61 (14 ref.)

TRACHEOSTOMY

Review of intubation in severe laryngotracheobronchitis. McEniery J, et al. **Pediatrics** 1991 Jun;87(6):847–53 (24 ref.)

ADVERSE EFFECTS

[Rupture of the innominate artery: a complication of tracheal surgery] Bosco G, et al. **G Chir** 1988 May;9(5):303–7 (12 ref.) (Eng. Abstr.) **(Ita)**

REHABILITATION

Tracheostomy scar revision using allogeneic dura. Carlson ER, et al. **J Oral Maxillofac Surg** 1991 Mar;49(3):315–8 (3 ref.)

TRACHEOTOMY

Electrosurgery-induced endotracheal tube ignition during tracheotomy. Aly A, et al. **Ann Otol Rhinol Laryngol** 1991 Jan;100(1):31–3 (6 ref.)

[Therapy of respiratory insufficiency. Endotracheal suctioning—fiberglass bronchoscopy—long-term intubation—tracheotomy] Sporn P, et al. **Klin Anasthesiol Intensivther** 1991;39:314–25; discussion 333–9 (39 ref.) **(Ger)**

NURSING

Tracheal resection and reconstruction: indications, surgical procedure, and postoperative care. LaMuraglia MV, et al. **Heart Lung** 1991 May;20(3):245–52 (5 ref.)

TRACHOMA VIRUS see **CHLAMYDIA TRACHOMATIS**

TRADITIONAL BIRTH ATTENDANT see **MIDWIFERY**

TRADITIONAL MEDICINE, CHINESE see **MEDICINE, CHINESE TRADITIONAL**

TRADITIONAL MEDICINE, ORIENTAL see **MEDICINE, ORIENTAL TRADITIONAL**

TRANEXAMIC ACID

THERAPEUTIC USE

Risk-benefit assessment of drugs used for the treatment of menstrual disorders. Higham JM, et al. **Drug Saf** 1991 May–Jun;6(3):183–91 (47 ref.)

TRANQUILIZING AGENTS

see related
HYPNOTICS AND SEDATIVES

TRANQUILIZING AGENTS, MAJOR

Cyclic antidepressants, lithium, and neuroleptic agents. Pharmacology and toxicology. Krishel S, et al. **Emerg Med Clin North Am** 1991 Feb;9(1):53–86 (143 ref.)

ADMINISTRATION & DOSAGE

Guidelines for the dosage of antipsychotic drugs. Beckmann H, et al. **Acta Psychiatr Scand Suppl** 1990;358:63–6 (21 ref.)

The concept of the neuroleptic threshold: an update. Bitter I, et al. **J Clin Psychopharmacol** 1991 Feb;11(1):28–33 (53 ref.)

Maintenance medication for schizophrenia: strategies for dose reduction. Schooler NR. **Schizophr Bull** 1991;17(2):311–24 (42 ref.)

ADVERSE EFFECTS

Tardive dyskinesia: legal and preventive aspects [see comments] Shriqui CL, et al. **Can J Psychiatry** 1990 Oct; 35(7):576–80 (56 ref.) Comment in: Can J Psychiatry 1990 Oct;35(7):573–4.

Sexual side effects of antipsychotic medication: evaluation and interventions. Sullivan G, et al. **Hosp Community Psychiatry** 1990 Nov;41(11):1238–41 (52 ref.)

Alzheimer disease: basic and clinical advances. Katzman R, et al. **J Am Geriatr Soc** 1991 May;39(5):516–25 (81 ref.)

ECT and tardive dyskinesia. Hay DP, et al. **J Geriatr Psychiatry Neurol** 1990 Apr–Jun;3(2):106–9 (23 ref.)

The neuroleptic malignant syndrome. Dickey W. **Prog Neurobiol** 1991;36(5):425–36 (195 ref.)

Antipsychotic medications and seizures. Marks RC, et al. **Psychiatr Med** 1991;9(1):37–52 (34 ref.)

Neuroleptic drug-induced extrapyramidal syndromes and tardive dyskinesia. Casey DE. **Schizophr Res** 1991 Mar–Apr;4(2):109–20 (70 ref.)

Drug-induced dementia. Lowenthal DT, et al. **South Med J** 1991 May;84(5 Suppl 1):S24–31 (57 ref.)

Tardive dyskinesia. Casey DE. **West J Med** 1990 Nov; 153(5):535–41 (47 ref.)

[Tardive dyskinesia in long-term treatment with neuroleptics—review of the literature and personal experience with its therapy] Ceškova E, et al. **Cesk Psychiatr** 1990 Aug;86(4):269–74 (15 ref.) **(Cze)**

[Akathisia. A frequent adverse effect in treatment with neuroleptics] Madsen AL. **Ugeskr Laeger** 1991 Apr 1; 153(14):998–1000 (30 ref.) (Eng. Abstr.) **(Dan)**

[Neurologic sequelae of the neuroleptics–lithium combination: role of hyperthermia] Pelletier J, et al. **Rev Med Interne** 1991 May–Jun;12(3):187–91 (23 ref.) (Eng. Abstr.) **(Fre)**

[Patient education concerning late hyperkineses] Helmchen H. **Nervenarzt** 1991 May;62(5):265–8 (19 ref.) **(Ger)**

[Neuroleptic malignant syndrome] Sczesni B, et al. **Wien Klin Wochenschr** 1991;103(1):1–7 (28 ref.) (Eng. Abstr.) **(Ger)**

[Tardive dyskinesia. A possible complication of chronic treatment with neuroleptics] D'Aquila F, et al. **Riv Neurol** 1990 Jul–Aug;60(4):140–5 (79 ref.) (Eng. Abstr.) **(Ita)**

BLOOD

Neuroleptic plasma levels. Van Putten T, et al. **Schizophr Bull** 1991;17(2):197–216 (79 ref.)

METABOLISM

[Pharmacology–biochemistry and physiopathology of tardive dyskinesia: review of the latest findings and controversies] Gómez–Galera A. **Arch Biol Med Exp (Santiago)** 1988 Jun; 21(1):65–9 (35 ref.) (Eng. Abstr.) **(Spa)**

PHARMACOKINETICS

Pharmacokinetics of antipsychotic drugs in man. Dahl SG. **Acta Psychiatr Scand Suppl** 1990;358:37–40 (55 ref.)

Clinical pharmacokinetics of remoxipride. von Bahr C, et al. **Acta Psychiatr Scand Suppl** 1990;358:41–4 (16 ref.)

Blood level monitoring of antipsychotics and antidepressants. Javaid JI, et al. **Psychiatr Med** 1991;9(1):163–87 (97 ref.)

PHARMACOLOGY

Biochemical pharmacology of the atypical neuroleptic remoxipride. Köhler C, et al. **Acta Psychiatr Scand Suppl** 1990;358:27–36 (45 ref.)

Neuropharmacological and behavioural properties of remoxipride in the rat. Ogren SO, et al. **Acta Psychiatr Scand Suppl** 1990;358:21–6 (28 ref.)

Remoxipride. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in schizophrenia [published erratum appears in Drugs 1991 Apr;41(4):532] Wadworth AN, et al. **Drugs** 1990 Dec; 40(6):863–79 (68 ref.)

Mechanism of action of atypical antipsychotics. Herrling PL. **Pharmacopsychiatry** 1991 Mar;24(2):48–9 (18 ref.)

A clinical perspective on microdialysis. Pickar D. **Prog Neuropsychopharmacol Biol Psychiatry** 1990;14 Suppl:S59–62 (14 ref.)

Effects of neuroleptics on electrodermal activity in schizophrenic patients: a review. Schnur DB. **Psychopharmacology (Berl)** 1990;102(4):429–37 (54 ref.)

The mechanism of action of novel antipsychotic drugs. Meltzer HY. **Schizophr Bull** 1991;17(2):263–87 (222 ref.)

Psychopharmacology of classical and atypical antipsychotics. Richelson E. **Yakubutsu Seishin Kodo** 1991 Feb;11(1):71–4 (11 ref.)

Neurotensin–dopamine interactions: relevance to schizophrenia and the action of antipsychotic drugs. Stowe ZN, et al. **Yakubutsu Seishin Kodo** 1991 Feb;11(1):49–59 (105 ref.)

POISONING

[Poisoning caused by neuroleptics and other related drugs] Montoya–Cabrera MA. **Gac Med Mex** 1990 Nov–Dec; 126(6):533–6 (7 ref.) (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Treatment programme and long–term outcome in chronic schizophrenia. Kane JM. **Acta Psychiatr Scand Suppl** 1990; 358:151–7 (55 ref.)

Antipsychotics in the elderly. Rosen J, et al. **Acta Psychiatr Scand Suppl** 1990;358:170–5 (61 ref.)

Atypical neuroleptics: role of multiple receptors, endogenous dopamine, and receptor linkage. Seeman P. **Acta Psychiatr Scand Suppl** 1990;358:19–20 (72 ref.)

Clinically relevant differences between antipsychotic compounds. Silverstone T. **Acta Psychiatr Scand Suppl** 1990;358:88–91 (25 ref.)

Neuroleptic drug use in the nursing home: the impact of OBRA. Burke WJ. **Am Fam Physician** 1991 Jun; 43(6):2125–30 (12 ref.)

Epidemiology, etiology, diagnosis, and treatment of schizophrenia. Ryan PM. **Am J Hosp Pharm** 1991 Jun; 48(6):1271–80 (107 ref.)

The effect of neuroleptics on cognitive and psychomotor function. King DJ. **Br J Psychiatry** 1990 Dec;157:799–811 (140 ref.)

Ethnicity and psychotropic drugs. Bond WS. **Clin Pharm** 1991 Jun;10(6):467–70 (37 ref.)

Pathophysiologic basis for schizophrenia and the efficacy of antipsychotics. Ereshefsky L, et al. **Clin Pharm** 1990 Sep; 9(9):682–707 (276 ref.)

Treatment of delirium in the critically ill patient. Fish DN. **Clin Pharm** 1991 Jun;10(6):456–66 (119 ref.)

Guidelines for prescribing psychoactive drugs in the elderly: Part 2. Maletta G, et al. **Geriatrics** 1991 Sep;46(9):52–7, 60 (33 ref.)

Pharmacologic management of aggression in the elderly. Yudofsky SC, et al. **J Clin Psychiatry** 1990 Oct;51 Suppl:22–8; discussion 29–32 (44 ref.)

Clozapine. A novel antipsychotic agent [see comments] Baldessarini RJ, et al. **N Engl J Med** 1991 Mar 14; 324(11):746–54 (100 ref.) Comment in: N Engl J Med 1991 Aug 15;325(7):518–9.

Psychopharmacology and clinical practice. Glod CA. **Nurs Clin North Am** 1991 Jun;26(2):375–99 (28 ref.)

Drug treatment of schizophrenia: current concepts. Naber D, et al. **Pharmacopsychiatry** 1991 Mar;24(2):43–4 (0 ref.)

Long term use of neuroleptics by schizophrenic patients. Williams R, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1991; 15(2):221–8 (29 ref.)

Somatic therapies in geriatric psychiatry. Blake LM. **Psychiatr Med** 1991;9(2):263–73 (22 ref.)

Atypical antipsychotics. Holland D, et al. **Psychiatr Med** 1991;9(1):5–24 (27 ref.)

Neuroleptics: effects on neuropsychological function in chronic schizophrenic patients. Cassens G, et al. **Schizophr Bull** 1990;16(3):477–99 (70 ref.)

When symptoms persist: choosing among alternative somatic treatments for schizophrenia. Christison GW, et al. **Schizophr Bull** 1991;17(2):217–45 (153 ref.)

New antipsychotics: classification, efficacy, and adverse effects. Gerlach J. **Schizophr Bull** 1991;17(2):289–309 (122 ref.)

Neuroleptics and the natural course of schizophrenia. Wyatt RJ. **Schizophr Bull** 1991;17(2):325–51 (85 ref.)

Mechanisms of action of atypical antipsychotic drugs. Implications for novel therapeutic strategies for schizophrenia. Deutch AY, et al. **Schizophr Res** 1991 Mar–Apr;4(2):121–56 (450 ref.)

New approaches to therapy for neurodegenerative diseases. Schmechel DE. **South Med J** 1991 May;84(5 Suppl 1):S11–23 (96 ref.)

[Continuity in the neuroleptic treatment in patients with schizophrenia. Current data] Tignol J, et al. **Ann Med Psychol (Paris)** 1990 Mar;148(3):290–3 (10 ref.) **(Fre)**

[Prescription of neuroleptics for children] Bouvard MP, et al. **Encephale** 1990 Sep–Oct;16(5):389–98 (59 ref.) (Eng. Abstr.) **(Fre)**

[Atypical neuroleptics. Review of the available clinical data] Verhoeven WM, et al. **Encephale** 1990 Nov–Dec; 16(6):439–44 (44 ref.) (Eng. Abstr.) **(Fre)**

[Therapeutic treatment with neuroleptics. I: State of research on mechanisms of action, effectiveness and compliance in treatment of psychoses] Krausz M, et al. **Psychiatr Prax** 1991 Jan;18(1):9–13 (54 ref.) (Eng. Abstr.) **(Ger)**

[Therapeutic treatment with neuroleptics. II: Subjective mechanisms of effect, compliance and consequences for treatment strategy] Krausz M, et al. **Psychiatr Prax** 1991 Jan;18(1):14–20 (75 ref.) (Eng. Abstr.) **(Ger)**

TRANQUILIZING AGENTS, MINOR

Testing the abuse liability of anxiolytic and hypnotic drugs in humans. de Wit H, et al. **Drug Alcohol Depend** 1991 Jun;28(1):83–111 (80 ref.)

Tranquillisers and health care in crisis. Gabe J, et al. **Soc Sci Med** 1991;32(4):449–54 (48 ref.)

ADVERSE EFFECTS

Cardiovascular considerations in selection of anti–panic pharmacotherapy. Taylor CB, et al. **J Psychiatr Res** 1990; 24 Suppl 2:43–9 (24 ref.)

CHEMICAL SYNTHESIS

Imidazopyridines: towards novel hypnotic and anxiolytic drugs. George P, et al. **Farmaco** 1991 Jan;46(1 Suppl):277–88 (23 ref.)

CHEMISTRY

In–vivo metabolism of 4–substituted arylpiperazines to pharmacologically active 1–arylpiperazines. Caccia S. **Boll Chim Farm** 1990 May;129(5):183–9 (32 ref.)

HISTORY

Antianxiety agents: a historical perspective. Williams M. **Prog Clin Biol Res** 1990;361:131–44 (58 ref.)

METABOLISM

Zolpidem and alpidem: two imidazopyridines with selectivity for omega 1– and omega 3–receptor subtypes. Langer SZ, et al. **Adv Biochem Psychopharmacol** 1990;46:61–72 (27 ref.)

PHARMACOLOGY

Behavioural physiology of serotonergic and steroid–like anxiolytics as antistress drugs. Bohus B, et al. **Neurosci Biobehav Rev** 1990 Winter;14(4):529–34 (71 ref.)

GABAergic and dopaminergic transmission in the rat cerebral cortex: effect of stress, anxiolytic and anxiogenic drugs. Biggio G, et al. **Pharmacol Ther** 1990;48(2):121–42 (190 ref.)

Ipsapirone: a novel anxiolytic and selective 5–HT1A receptor ligand. Fanelli RJ, et al. **Prog Clin Biol Res** 1990;361:461–7 (28 ref.)

A novel potent non–benzodiazepine anxioselective agent with reduced dependence liability: ICI 198, 256. Patel JB, et al. **Prog Clin Biol Res** 1990;361:483–8 (9 ref.)

Pharmacology of the serotonergic anxiolytic tandospirone (SM–3997). Seymour PA, et al. **Prog Clin Biol Res** 1990; 361:453–60 (9 ref.)

Gepirone hydrochloride: preclinical pharmacology and recent clinical findings. Yevich JP, et al. **Prog Clin Biol Res** 1990;361:443–51 (7 ref.)

Novel anxiolytic agents: actions on specific subtypes of central 5–HT receptors. Yocca FD. **Prog Clin Biol Res** 1990;361:145–77 (115 ref.)

Animal models of anxiety and the development of novel anxiolytic drugs. Sanger DJ, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1991; 15(2):205–12 (30 ref.)

Novel anxiolytics that act as partial agonists at benzodiazepine receptors. Haefely W, et al. **Trends Pharmacol Sci** 1990 Nov;11(11):452–6 (32 ref.)

THERAPEUTIC USE

Understanding and treating depression in anxious patients. Dubovsky SL. **J Clin Psychiatry** 1990 Oct;51 Suppl:3–8; discussion 14–7 (55 ref.)

Advances in treatment of anxiety and depressive disorders. Lyles WB, et al. **J Fla Med Assoc** 1990 Aug;77(8):731–4 (40 ref.)

Future directions in the treatment of anxiety. Hirschfeld RM. **J Psychiatr Res** 1990;24 Suppl 2:163–7 (15 ref.)

Neurochemical actions of CCK underlying the therapeutic potential of CCK–B antagonists. Hughes J, et al. **Neuropeptides** 1991 Jul;19 Suppl:85–9 (34 ref.)

Buspirone and related compounds as alternative anxiolytics. Taylor DP, et al. **Neuropeptides** 1991 Jul;19 Suppl:15–9 (15 ref.)

Somatic therapies in geriatric psychiatry. Blake LM. **Psychiatr Med** 1991;9(2):263–73 (22 ref.)

TRANS–ACTING FACTORS see **TRANS–ACTIVATORS**

TRANS–ACTING TRANSCRIPTION FACTOR, HIV see **GENE PRODUCTS, TAT**

TRANS–ACTIVATION (GENETICS)

The regulation and expression of MHC class I genes. David–Watine B, et al. **Immunol Today** 1990 Aug; 11(8):286–92 (75 ref.)

HIV trans–activation and transcription control mechanisms. Jones KA. **New Biol** 1989 Nov;1(2):127–35 (53 ref.)

PHYSIOLOGY

Modulation of HIV–enhancer activity by heterologous agents: a minireview. Chinnadurai G. **Gene** 1991 May 30; 101(2):165–70 (44 ref.)

Transcriptional enhancers can act in trans. Müller HP, et al. **Trends Genet** 1990 Sep;6(9):300–4 (48 ref.)

TRANS–ACTIVATOR PROTEIN P40(TAX) see **GENE PRODUCTS, TAX**

TRANS–ACTIVATOR PROTEIN P40(X) see **GENE PRODUCTS, TAX**

TRANS–ACTIVATORS

The transactivator GAL4: co–activators, adaptors and chromatin. Stanway CA. **Bioessays** 1991 May;13(5):241–2 (16 ref.)

GENETICS

[Enhancers, DNA loops and stable complexes: a mechanism of transcription activation] Studitskiĭ VM, et al. **Mol Biol (Mosk)** 1990 Jul–Aug;24(4):909–19 (70 ref.) (Eng. Abstr.) **(Rus)**

[The trans–activator genes of viral transcription (editorial)] **Vopr Virusol** 1990 May–Jun;35(3):255–7 (24 ref.) **(Rus)**

METABOLISM

Functional dissection of a viral transactivator. Dingwall C. **Bioessays** 1991 Feb;13(2):85–6 (17 ref.)

Steroid hormone receptors as transactivators of gene expression. O'Malley BW. **Biotechnology** 1991;16:35–41 (12 ref.)

The Iridovirus frog virus 3: a model for trans–acting proteins. Willis DB, et al. **Microbiol Sci** 1986 Feb;3(2):59–63 (23 ref.)

PHYSIOLOGY

E1a revisited: the case for multiple cooperative trans–activation domains. Braithwaite AW, et al. **New Biol** 1991 Jan;3(1):18–26 (63 ref.)

Regulation of HIV gene expression by RNA–protein interactions. Rosen CA. **Trends Genet** 1991 Jan;7(1):9–14 (44 ref.)

TRANSACTIVATION see **TRANS–ACTIVATION (GENETICS)**

TRANSAMINASES see **AMINOTRANSFERASES**

TRANSCRIPTASES see RNA POLYMERASES

TRANSCRIPTION FACTOR NF-KB see NF-KAPPA B

TRANSCRIPTION FACTORS

see related

TRANS-ACTIVATORS

Xenopus transcription factors: key molecules in the developmental regulation of differential gene expression. Wolffe AP. **Biochem J** 1991 Sep 1;278 (Pt 2):313–24 (152 ref.)

Cyclic AMP response element binding proteins: a cornucopia of transcription factors. Habener JF. **Mol Endocrinol** 1990 Aug;4(8):1087–94 (72 ref.)

[Transcriptional regulation of plant genes by light] Shinozaki K. **Tanpakushitsu Kakusan Koso** 1991 Feb;36(2):115–27 (47 ref.) **(Jpn)**

GENETICS

Nuclear proto-oncogenes fos and jun. Ransone LJ, et al. **Annu Rev Cell Biol** 1990;6:539–57 (114 ref.)

Stimulus-transcription coupling in the nervous system: involvement of the inducible proto-oncogenes fos and jun. Morgan JI, et al. **Annu Rev Neurosci** 1991;14:421–51 (177 ref.)

Oxygen regulated gene expression in Escherichia coli: control of anaerobic respiration by the FNR protein. Unden G, et al. **Antonie Van Leeuwenhoek** 1991 Feb;59(2):65–76 (93 ref.)

Krox-20: a candidate gene for the regulation of pattern formation in the hindbrain. Gilardi P, et al. **Biochimie** 1991 Jan;73(1):85–91 (53 ref.)

Gap genes and gradients—the logic behind the gaps. Hülskamp M, et al. **Bioessays** 1991 Jun;13(6):261–8 (50 ref.)

Transcription and cancer. Cox PM, et al. **Br J Cancer** 1991 May;63(5):651–62 (167 ref.)

Oncogenic conversion of transcription factors by chromosomal translocations. Cleary ML. **Cell** 1991 Aug 23;66(4):619–22 (25 ref.)

Heat shock factor and the heat shock response. Sorger PK. **Cell** 1991 May 3;65(3):363–6 (29 ref.)

Transcriptional regulation of interferon-stimulated genes. Williams BR. **Eur J Biochem** 1991 Aug 15;200(1):1–11 (110 ref.)

HNF-1, a member of a novel class of dimerizing homeodomain proteins. Mendel DB, et al. **J Biol Chem** 1991 Jan 15;266(2):677–80 (72 ref.)

Phenotype suppression: a postulated molecular mechanism for mediating the relationship of proliferation and differentiation by Fos/Jun interactions at AP-1 sites in steroid responsive promoter elements of tissue-specific genes. Lian JB, et al. **J Cell Biochem** 1991 Jan;45(1):9–14 (38 ref.)

Fos-jun and the primary genomic response in the nervous system. Possible physiological role and pathophysiological significance. Doucet JP, et al. **Mol Neurobiol** 1990 Spring-Summer;4(1-2):27–55 (205 ref.)

From cell code to gene code: cytokines and transcription factors. Muegge K, et al. **New Biol** 1989 Dec;1(3):239–46 (63 ref.)

Fos and jun: two into one will go. Woodgett JR. **Semin Cancer Biol** 1990 Dec;1(6):389–97 (69 ref.)

Transcription factor regulation of hematopoietic lineage cells. Engel JD, et al. **Semin Hematol** 1991 Apr;28(2):158–69 (49 ref.)

Nuclear targets for transcription regulation by oncogenes. Gutman A, et al. **Trends Genet** 1991 Feb;7(2):49–54 (41 ref.)

["Cis" and "trans" regulator elements of transcription] Etienne J, et al. **Ann Biol Clin (Paris)** 1990;48(10):681–94 (26 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

The Egr family of nuclear signal transducers. Sukhatme VP. **Am J Kidney Dis** 1991 Jun;17(6):615–8 (20 ref.)

Ribosomal 5S RNA from Xenopus laevis oocytes: conformation and interaction with transcription factor IIIA. Romby P, et al. **Biochimie** 1990 Jun-Jul; 72(6-7):437–52 (73 ref.)

The transactivator GAL4: co-activators, adaptors and chromatin. Stanway CA. **Bioessays** 1991 May;13(5):241–2 (16 ref.)

Cell type-specific enhancement in the Drosophila embryo by consensus homeodomain binding sites. White RJ. **Bioessays** 1990 Nov;12(11):537–9 (21 ref.)

Transcription factor phosphorylation: a link between signal transduction and the regulation of gene expression. Bohmann D. **Cancer Cells** 1990 Nov;2(11):337–44 (48 ref.)

Modular structure of transcription factors: implications for gene regulation. Frankel AD, et al. **Cell** 1991 May 31; 65(5):717–9 (33 ref.)

Oncogenic conversion by regulatory changes in transcription factors. Lewin B. **Cell** 1991 Jan 25;64(2):303–12 (54 ref.)

Signal transduction and gene control. Karin M. **Curr Opin Cell Biol** 1991 Jun;3(3):467–73 (51 ref.)

Phosphorylation of transcriptional factors and cell-cycle-dependent proteins by casein kinase II. Meisner H, et al. **Curr Opin Cell Biol** 1991 Jun;3(3):474–83 (86 ref.)

FNR and its role in oxygen-regulated gene expression in Escherichia coli. Spiro S, et al. **FEMS Microbiol Rev** 1990 Aug;6(4):399–428 (184 ref.)

POU-domain transcription factors: pou-er-ful developmental regulators. Rosenfeld MG. **Genes Dev** 1991 Jun;5(6):897–907 (84 ref.)

Too many transcription factors: positive and negative interactions. Karin M. **New Biol** 1990 Feb;2(2):126–31 (51 ref.)

Multicomponent transcription factor complexes: the exception or the rule? Shaw PE. **New Biol** 1990 Feb; 2(2):111–8 (102 ref.)

A common denominator linking glycogen metabolism, nuclear oncogenes and development. Woodgett JR. **Trends Biochem Sci** 1991 May;16(5):177–81 (27 ref.)

PHYSIOLOGY

Structure and function of the protein CRE-BP1: heterogeneity of the protein that binds to the cAMP-responsive element. Ishii S, et al. **Adv Second Messenger Phosphoprotein Res** 1990;24:335–9 (20 ref.)

A novel mechanism for eukaryotic gene expression. The involvement of DNA tertiary structure in estrogen receptor recognition of its target nucleotide sequence. Lannigan DA, et al. **Biochem Pharmacol** 1990 Dec 15;40(12):2579–85 (41 ref.)

Steroid hormone receptors and in vitro transcription. Allan GF, et al. **Bioessays** 1991 Feb;13(2):73–8 (39 ref.)

Cross-coupling of AP-1 and intracellular hormone receptors. Lamph WW. **Cancer Cells** 1991 May;3(5):183–5 (20 ref.)

Regulation of transcription and cell identity by POU domain proteins. Ruvkun G, et al. **Cell** 1991 Feb 8;64(3):475–8 (29 ref.)

Transcriptional activators in hepatocytes. Johnson PF. **Cell Growth Differ** 1990 Jan;1(1):47–52 (60 ref.)

Cytokines and transcription factors. Muegge K, et al. **Cytokine** 1990 Jan;2(1):1–8 (63 ref.)

fos-jun Conspiracy: implications for the cell. Verma IM, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:119–26 (18 ref.)

Early transcriptional events in cell growth: the Egr family. Sukhatme VP. **J Am Soc Nephrol** 1990 Dec;1(6):859–66 (44 ref.)

MyoD and the regulation of myogenesis by helix-loop-helix proteins. Tapscott SJ, et al. **J Clin Invest** 1991 Apr; 87(4):1133–8 (59 ref.)

Cell type specific expression of the growth hormone gene and its control by GHF-1. Karin M, et al. **Nippon Naibunpi Gakkai Zasshi** 1990 Dec 20; 66(12):1205–20 (49 ref.)

AP1, a composite transcription factor implicated in abnormal growth control. Imler JL, et al. **Prog Growth Factor Res** 1989;1(2):69–77 (49 ref.)

Tissue-specific expression of the growth hormone gene and its control by growth hormone factor-1. Karin M, et al. **Recent Prog Horm Res** 1990;46:43–57; discussion 57–8 (51 ref.)

RADIATION EFFECTS

Radiation-induced activation of transcription factors in mammalian cells. Krämer M, et al. **Radiat Environ Biophys** 1990;29(4):303–13 (44 ref.)

TRANSCRIPTION, GENETIC

see related

GENE PRODUCTS, TAT
GENE PRODUCTS, TAX
GENES, PX
TRANS-ACTIVATORS
TRANSCRIPTION FACTORS

Transcriptional and translational regulation of the expression of the l(2)gl tumor suppressor gene of Drosophila melanogaster. Strand D, et al. **Adv Enzyme Regul** 1991; 31:339–50 (20 ref.)

Background paper. Transcription and replication of coronavirus RNA: a 1989 update. Lai MM. **Adv Exp Med Biol** 1990;276:327–33 (33 ref.)

Transcripts associated with herpes simplex virus latency. Stevens JG. **Adv Exp Med Biol** 1990;278:199–204 (17 ref.)

Paramyxoviridae: transcription and replication. Galinski MS. **Adv Virus Res** 1991;39:129–62 (206 ref.)

Reporter genes: application to the study of mammalian gene transcription. Alam J, et al. **Anal Biochem** 1990 Aug 1; 188(2):245–54 (64 ref.)

Vitamin D3 receptors: structure and function in transcription. Pike JW. **Annu Rev Nutr** 1991;11:189–216 (156 ref.)

A novel mechanism for eukaryotic gene expression. The involvement of DNA tertiary structure in estrogen receptor recognition of its target nucleotide sequence. Lannigan DA, et al. **Biochem Pharmacol** 1990 Dec 15;40(12):2579–85 (41 ref.)

Transcriptional regulation of the heat-shock response: a plant perspective. Gurley WB, et al. **Biochemistry** 1991 Jan 8; 30(1):1–12 (112 ref.)

Cell-type-specific transcription in yeast. Dolan JW, et al. **Biochim Biophys Acta** 1991 Feb 16;1088(2):155–69 (128 ref.)

RNA polymerase III transcription of genes that lack internal control regions. Kunkel GR. **Biochim Biophys Acta** 1991 Jan 17;1088(1):1–9 (79 ref.)

Steroid hormone receptors and in vitro transcription. Allan GF, et al. **Bioessays** 1991 Feb;13(2):73–8 (39 ref.)

Histone H1 and the conformation of transcriptionally active chromatin. Garrard WT. **Bioessays** 1991 Feb;13(2):87–8 (20 ref.)

The transactivator GAL4: co-activators, adaptors and chromatin. Stanway CA. **Bioessays** 1991 May;13(5):241–2 (16 ref.)

The activation and silencing of gene transcription in the liver. Camper SA, et al. **Biotechnology** 1991;16:81–7 (24 ref.)

Does the breakpoint within the major breakpoint cluster region (M-bcr) influence the duration of the chronic phase in chronic myeloid leukemia? An analytical comparison of current literature. Mills KI, et al. **Blood** 1991 Sep 1; 78(5):1155–61 (20 ref.)

Transcription and cancer. Cox PM, et al. **Br J Cancer** 1991 May;63(5):651–62 (167 ref.)

Cross-coupling of AP-1 and intracellular hormone receptors. Lamph WW. **Cancer Cells** 1991 May;3(5):183–5 (20 ref.)

Transcriptional control—lessons from an E. coli promoter data base. Gralla JD. **Cell** 1991 Aug 9;66(3):415–8 (18 ref.)

Transcriptional activators in hepatocytes. Johnson PF. **Cell Growth Differ** 1990 Jan;1(1):47–52 (60 ref.)

Transcriptional regulation of the erythropoietin gene. Caro J, et al. **Contrib Nephrol** 1991;88:10–6; discussion 17 (16 ref.)

Transcriptional control and the integration of cell-autonomous and environmental cues during development. Karin M. **Curr Opin Cell Biol** 1990 Dec; 2(6):996–1002 (24 ref.)

Nuclear RNA processing. Lamond AI. **Curr Opin Cell Biol** 1991 Jun;3(3):493–501 (52 ref.)

Cell-specific transcription and cell differentiation in the erythroid lineage. Orkin SH. **Curr Opin Cell Biol** 1990 Dec; 2(6):1003–12 (38 ref.)

RNA polymerase III transcription. Wolffe AP. **Curr Opin Cell Biol** 1991 Jun;3(3):461–6 (36 ref.)

Regulation of MHC class II gene transcription. Kara CJ, et al. **Curr Opin Immunol** 1991 Feb;3(1):16–21 (35 ref.)

Transcriptional control of hepadnavirus gene expression. Schaller H, et al. **Curr Top Microbiol Immunol** 1991; 168:21–39 (69 ref.)

Retroviruses as genetic tools to isolate transcriptionally active chromosomal regions. von Melchner H, et al. **Environ Health Perspect** 1990 Aug;88:141–8 (80 ref.)

Transcriptional control by nuclear receptors. Beato M. **FASEB J** 1991 Apr;5(7):2044–51 (42 ref.)

Pseudo-templated transcription in prokaryotic and eukaryotic organisms. Jacques JP, et al. **Genes Dev** 1991 May;5(5):707–13 (58 ref.)

Transcriptional regulation of HLA class-II genes. Peterlin BM, et al. **Immunol Res** 1990;9(3):164–77 (83 ref.)

Role of latency-associated transcript in herpes simplex virus infection. Nsiah YA, et al. **Intervirology** 1991;32(2):101–15 (83 ref.)

Early transcriptional events in cell growth: the Egr family. Sukhatme VP. **J Am Soc Nephrol** 1990 Dec;1(6):859–66 (44 ref.)

How mobile are active RNA polymerases? Cook PR. **J Cell Sci** 1990 Jun;96 (Pt 2):189–92 (25 ref.)

Interpreting nucleolar structure: where are the transcribing genes? Jordan EG. **J Cell Sci** 1991 Apr;98 (Pt 4):437–42 (59 ref.)

Triple post-transcriptional control. Bechhofer DH. **Mol Microbiol** 1990 Sep;4(9):1419–23 (26 ref.)

Transcriptional regulatory cascade of nitrogen-fixation genes in anoxygenic photosynthetic bacteria: oxygen- and nitrogen-responsive factors. Kranz RG, et al. **Mol Microbiol** 1990 Nov;4(11):1793–800 (49 ref.)

Post-transcriptional control in the polycistronic operon environment: studies of the atp operon of Escherichia coli. McCarthy JE. **Mol Microbiol** 1990 Aug;4(8):1233–40 (37 ref.)

New insights in DNA repair: preferential repair of transcriptionally active DNA. Terleth C, et al. **Mutagenesis** 1991 Mar;6(2):103–11 (105 ref.)

Compartmentalized transcription of acetylcholine receptor genes during motor endplate epigenesis. Changeux JP. **New Biol** 1991 May;3(5):413–29 (210 ref.)

Synergistic activation of eukaryotic transcription: the multiacceptor target hypothesis. Herbomel P. **New Biol** 1990 Dec;2(12):1063–70 (70 ref.)

From gene to chromosome: organization levels defined by the interplay of transcription and replication in vertebrates. Herbomel P. **New Biol** 1990 Nov;2(11):937–45 (73 ref.)

HIV trans-activation and transcription control mechanisms. Jones KA. **New Biol** 1989 Nov;1(2):127–35 (53 ref.)

Molecular structure and transcriptional regulation of the salivary gland proline-rich protein multigene families. Carlson DM, et al. **Prog Nucleic Acid Res Mol Biol** 1991; 41:1–22 (56 ref.)

Retroposons—seeds of evolution. Brosius J. **Science** 1991 Feb 15;251(4995):753 (17 ref.)

Regulation of MHC transcription. Halloran PF, et al. **Transplantation** 1990 Nov;50(5):725–38 (153 ref.)

Nucleosomes: regulators of transcription. Grunstein M. **Trends Genet** 1990 Dec;6(12):395–400 (35 ref.)

Nuclear targets for transcription regulation by oncogenes. Gutman A, et al. **Trends Genet** 1991 Feb;7(2):49–54 (41 ref.)

Structural changes in nucleosomes during transcription: strip, split or flip? Thoma F. **Trends Genet** 1991 Jun;7(6):175–7 (22 ref.)

Methodologies for in vitro nucleic acid amplification and

their applications. Gingeras TR, et al. **Vet Microbiol** 1990 Sep;24(3–4):235–51 (30 ref.)
[Transcriptional regulation of plant genes by light] Shinozaki K. **Tanpakushitsu Kakusan Koso** 1991 Feb;36(2):115–27 (47 ref.) **(Jpn)**
[Enhancers, DNA loops and stable complexes: a mechanism of transcription activation] Studitskiĭ VM, et al. **Mol Biol (Mosk)** 1990 Jul–Aug;24(4):909–19 (70 ref.) (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

2,3,7,8–Tetrachlorodibenzo–p–dioxin induces cytochrome P450IA1 enzyme activity by activating transcription of the corresponding gene. Lusska AE, et al. **Adv Enzyme Regul** 1991;31:307–17 (48 ref.)
Regulation of receptor expression by agonists: transcriptional and post–transcriptional controls. Hadcock JR, et al. **Trends Neurosci** 1991 Jun;14(6):242–7 (28 ref.)

GENETICS

Mouse retrotransposons: a cellular reservoir of long terminal repeat (LTR) elements with diverse transcriptional specificities. Keshet E, et al. **Adv Cancer Res** 1991; 56:215–51 (195 ref.)
Transcriptional regulation of the human apolipoprotein genes. Zannis VI, et al. **Adv Exp Med Biol** 1991;285:1–23 (93 ref.)
Preventing the synthesis of unused transcripts by Rho factor. Richardson JP. **Cell** 1991 Mar 22;64(6):1047–9 (18 ref.)
Mechanisms for diversity in gene expression patterns. Struhl K. **Neuron** 1991 Aug;7(2):177–81 (33 ref.)
Transcriptional enhancers can act in trans. Müller HP, et al. **Trends Genet** 1990 Sep;6(9):300–4 (48 ref.)
[Myogenic genes and specific transcription of muscle: the case of acetylcholine receptor] Piette J. **Pathol Biol (Paris)** 1991 Mar;39(3):167–9 (13 ref.) **(Fre)**
[Transcription regulation—how are genes turned on and off?] Njølstad PR. **Tidsskr Nor Laegeforen** 1990 Oct 30; 110(26):3366–71 (26 ref.) (Eng. Abstr.) **(Nor)**
[Expression of eukaryotic rDNA genes] Swat W, et al. **Postepy Biochem** 1990;36(1–2):4–13 (82 ref.) **(Pol)**
[RNA editing—newly discovered mechanism of the changes in genetic information] Szymański M, et al. **Postepy Biochem** 1990;36(1–2):2–4 (12 ref.) **(Pol)**
[The trans–activator genes of viral transcription (editorial)] **Vopr Virusol** 1990 May–Jun;35(3):255–7 (24 ref.) **(Rus)**

PHYSIOLOGY

Basal, cell–specific and hormonal regulation of gene transcription: an overview of the 1980s. Eberhardt NL. **Acta Paediatr Scand Suppl** 1990;370:141–52 (85 ref.)
Transcriptional control and cellular transformation. Groner B. **Ann Oncol** 1990 Sep;1(5):321–5 (43 ref.)
Histone function in transcription. Grunstein M. **Annu Rev Cell Biol** 1990;6:643–78 (212 ref.)
Transcriptional regulation of interferon–stimulated genes. Williams BR. **Eur J Biochem** 1991 Aug 15;200(1):1–11 (110 ref.)
Mechanisms of complex transcriptional regulation: implications for brain development. He X, et al. **Neuron** 1991 Aug;7(2):183–96 (220 ref.)
The TPR snap helix: a novel protein repeat motif from mitosis to transcription. Goebl M, et al. **Trends Biochem Sci** 1991 May;16(5):173–7 (25 ref.)
Coordination of gene expression in the formation of mammalian mitochondria. Nagley P. **Trends Genet** 1991 Jan;7(1):1–4 (20 ref.)

TRANSCRIPTIONAL REGULATORY ELEMENTS see **GENES, REGULATOR**

TRANSCULTURAL STUDIES see **CROSS–CULTURAL COMPARISON**

TRANSCUTANEOUS ADMINISTRATION see **ADMINISTRATION, CUTANEOUS**

TRANSCUTANEOUS BLOOD GAS MONITORING see **BLOOD GAS MONITORING, TRANSCUTANEOUS**

TRANSCUTANEOUS CAPNOMETRY see **BLOOD GAS MONITORING, TRANSCUTANEOUS**

TRANSCUTANEOUS ELECTRIC NERVE STIMULATION

Interferential current therapy. Goats GC. **Br J Sports Med** 1990 Jun;24(2):87–92 (53 ref.)
Shocking therapy: uses of transcutaneous electric nerve stimulation in dermatology. Ely H. **Dermatol Clin** 1991 Jan; 9(1):189–97 (63 ref.)

INSTRUMENTATION

[Fundamentals and requirements of peripheral electric nerve stimulation. A contribution to the improvement of safety standards in regional anesthesia] Kaiser H, et al. **Reg Anaesth** 1990 Sep;13(7):143–7 (21 ref.) (Eng. Abstr.) **(Ger)**

METHODS

[Hypothetical aspects of the preventive effectiveness of controlled reflex and stimulation therapy (exemplified by acupuncture and PuTENS) in migraine] Heydenreich A. **Psychiatr Neurol Med Psychol (Leipz)** 1990 Aug; 42(8):500–7 (32 ref.) (Eng. Abstr.) **(Ger)**
[Transcutaneous electric nerve stimulation (TENS) in headache and facial pain] Taubert K. **Z Arztl Fortbild (Jena)** 1991 Jan 25;85(1–2):31–6 (37 ref.) **(Ger)**

TRANSCUTANEOUS OXIMETRY see **BLOOD GAS MONITORING, TRANSCUTANEOUS**

TRANSDERMAL ADMINISTRATION see **ADMINISTRATION, CUTANEOUS**

TRANSDERMAL ELECTROSTIMULATION see **TRANSCUTANEOUS ELECTRIC NERVE STIMULATION**

TRANSDUCERS

[Sensors for amphiphilic ions—antenna of biochemical laboratory] Shirahama K. **Tanpakushitsu Kakusan Koso** 1990 Dec;35(16):2874–82 (7 ref.) **(Jpn)**

TRANSDUCIN

METABOLISM

Surfaces of interaction between Gt and rhodopsin in the GDP–bound and empty–pocket configurations. Hamm HE. **Adv Second Messenger Phosphoprotein Res** 1990;24:76–82 (15 ref.)
The molecular basis of GTP–binding protein interaction with receptors. Hamm HE, et al. **Biochem Soc Symp** 1990; 56:35–44 (32 ref.)

PHYSIOLOGY

Visual excitation and recovery. Stryer L. **J Biol Chem** 1991 Jun 15;266(17):10711–4 (67 ref.)

TRANSDUCTION, GENETIC

Herpes viruses: human transducing viruses. Sugden B. **Trends Biochem Sci** 1991 Feb;16(2):45–6 (8 ref.)

TRANSFECTION

Gene transfer into murine hematopoietic stem cells and bone marrow stromal cells. Luskey BD, et al. **Ann N Y Acad Sci** 1990;612:398–406 (36 ref.)
Immunogenetic markers as probes for polymorphism, gene regulation and gene transfer in man—the Gm system in perspective. Grubb R. **APMIS** 1991 Mar;99(3):199–209 (83 ref.)
Transfection of genes for cell surface products involved in antigen presentation—applications to the understanding of autoimmunity. Altmann DM, et al. **Autoimmunity** 1990; 7(2–3):213–20 (45 ref.)
Gene targeting in embryonic stem cells. Doetschman TC. **Biotechnology** 1991;16:89–101 (34 ref.)
Gene transfer in fish. Guise KS, et al. **Biotechnology** 1991; 16:295–306 (48 ref.)
Principles of gene transfer and the treatment of disease. Karson EM. **Biotechnology** 1991;16:189–212 (58 ref.)
Studies on transgenic fish: gene transfer, expression, and inheritance. Powers DA, et al. **Biotechnology** 1991; 16:307–24 (38 ref.)
Factors affecting the transfer of genetic information among microorganisms in soil. Stotzky G, et al. **Biotechnology** 1991;15:95–122 (101 ref.)
Gene transfer methods for plants and cell cultures. Potrykus I. **Ciba Found Symp** 1990;154:198–208; discussion 208–12 (33 ref.)
Heart–to–heart. New approaches for gene transfer in the myocardium [editorial; comment] O'Brien TX, et al. **Circulation** 1991 Jun;83(6):2133–6 (40 ref.) Comment on: Circulation 1991 Jun;83(6):2007–11.
EMBO medal review. On transferring genes into stem cells and mice. Wagner EF. **EMBO J** 1990 Oct;9(10):3024–32 (56 ref.)
Strategies for expression of foreign genes in plants. Potential use of engineered viruses. Joshi RL, et al. **FEBS Lett** 1991 Apr 9;281(1–2):1–8 (126 ref.)
The production of transgenic mice by embryo microinjection. Landel CP. **Genet Anal Tech Appl** 1991 May;8(3):83–94 (32 ref.)
Safety issues related to retroviral–mediated gene transfer in humans. Cornetta K, et al. **Hum Gene Ther** 1991 Spring; 2(1):5–14 (76 ref.)
Retrovirus packaging cells. Miller AD. **Hum Gene Ther** 1990 Spring;1(1):5–14 (30 ref.)
Expression of introduced genetic sequences in hematopoietic cells following retroviral–mediated gene transfer. Williams DA. **Hum Gene Ther** 1990 Fall;1(3):229–39 (59 ref.)
Gene transfer into vascular cells. Nabel EG, et al. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):189B–194B (27 ref.)
Antimicrobial resistance and gene transfer in Staphylococcus aureus. al–Masaudi SB, et al. **J Appl Bacteriol** 1991 Apr; 70(4):279–90 (84 ref.)
Strategies for introducing foreign DNA into the germ line of fish. Cloud JG. **J Reprod Fertil Suppl** 1990;41:107–16 (57 ref.)
Modification of milk composition. Wilmut I, et al. **J Reprod Fertil Suppl** 1990;41:135–46 (58 ref.)
Genetic manipulation of seeded endothelial cells in vascular prostheses. Stanley JC. **J Vasc Surg** 1991 May;13(5):736–8 (10 ref.)
Gene transfer, recombination and gene cloning in Clostridium acetobutylicum. Jones DT, et al. **Microbiol Sci** 1986 Jan; 3(1):19–22 (27 ref.)
Evolution of isopenicillin N synthase genes may have involved horizontal gene transfer. Landan G, et al. **Mol Biol Evol** 1990 Sep;7(5):399–406 (20 ref.)
Herpes simplex virus for gene delivery to neurons. Breakefield XO, et al. **New Biol** 1991 Mar;3(3):203–18 (130 ref.)
Activation of the erythropoietin receptor in stable lymphoid and myeloid transfectants. D'Andrea AD, et al. **Semin Hematol** 1991 Apr;28(2):152–7 (14 ref.)
Transfected cells and transgenic mice. Minasi LA, et al. **Transplant Proc** 1991 Feb;23(1 Pt 2):1715–6 (4 ref.)
Genetics of gene transfer between species. Heinemann JA. **Trends Genet** 1991 Jun;7(6):181–5 (32 ref.)

GENETICS

Repair of central nervous system lesions by glial cells immortalised with an oncogene–carrying retrovirus. Trotter J, et al. **Schweiz Arch Neurol Psychiatr** 1991; 142(2):102–4 (8 ref.)

PHYSIOLOGY

Gene transfer into hematopoietic stem cells. Nienhuis AW, et al. **Cancer** 1991 May 15;67(10 Suppl):2700–4 (25 ref.)

TRANSFER–GLUCOSIDASE see **GLYCOGEN DEBRANCHING ENZYME SYSTEM**

TRANSFER RNA see **RNA, TRANSFER**

TRANSFER RNA, ASP see **RNA, TRANSFER, ASP**

TRANSFER RNA, GLN see **RNA, TRANSFER, GLN**

TRANSFER RNA, GLU see **RNA, TRANSFER, GLU**

TRANSFER RNA, TYR see **RNA, TRANSFER, TYR**

TRANSFERASES

GENETICS

The E. coli ogt gene. Margison GP, et al. **Mutat Res** 1990 Nov–Dec;233(1–2):15–21 (40 ref.)

PHYSIOLOGY

[Epidemiologic aspects of enzymatic inactivation of aminoglycoside antibiotics] Taisova AS. **Antibiot Khimioter** 1990 Jul;35(7):52–6 (50 ref.) **(Rus)**

TRANSFERENCE (PSYCHOLOGY)

Concepts and controversies about the transference neurosis. Panel report. **J Am Psychoanal Assoc** 1991;39(1):227–39 (4 ref.)
On psychotherapist–patient sex: discussion paper. Palermo GB. **J R Soc Med** 1990 Nov;83(11):715–9 (30 ref.)

TRANSFERRIN

[Transferrin, transferrin receptors and incorporation of iron into cells] Fuchs O. **Cesk Fysiol** 1990;39(4):333–52 (110 ref.) **(Cze)**

ADMINISTRATION & DOSAGE

Drug targeting by endogenous transport vehicles. van Berkel TJ, et al. **Biochem Soc Trans** 1990 Oct;18(5):748–50 (11 ref.)

ANALYSIS

Congenital atransferrinemia. A case report and review of the literature. Hamill RL, et al. **Am J Clin Pathol** 1991 Aug; 96(2):215–8 (11 ref.)

DIAGNOSTIC USE

The use of radionuclide techniques in the assessment of alveolar–capillary membrane permeability on the intensive care unit. Hunter DN, et al. **Intensive Care Med** 1990; 16(6):363–71 (62 ref.)

METABOLISM

Transferrin receptor expression in normal and iron overloaded liver. Sciot R, et al. **APMIS Suppl** 1991; 23:21–31 (70 ref.)

PHARMACOLOGY

Growth factors and tooth development. Partanen AM, et al. **Int J Dev Biol** 1989 Mar;33(1):165–72 (43 ref.)

PHYSIOLOGY

The role of transferrin in the mechanism of cellular iron uptake. Thorstensen K, et al. **Biochem J** 1990 Oct 1; 271(1):1–9 (139 ref.)
The biology of transferrin. de Jong G, et al. **Clin Chim Acta** 1990 Sep;190(1–2):1–46 (239 ref.)
Regulation of transferrin receptor expression and control of cell growth. Neckers LM. **Pathobiology** 1991;59(1):11–8 (24 ref.)

TRANSFERRIN RECEPTORS see **RECEPTORS, TRANSFERRIN**

TRANSFORMATION, BACTERIAL

Pathogenic neisseriae—a model of bacterial virulence and genetic flexibility. Meyer TF. **Int J Med Microbiol** 1990 Nov;274(2):135–54 (95 ref.)
The regulation of genetic competence in Bacillus subtilis. Dubnau D. **Mol Microbiol** 1991 Jan;5(1):11–8 (52 ref.)

TRANSFORMATION, GENETIC

see related
DNA, RECOMBINANT
Prospects for gene transformation in insects. Handler AM, et al. **Annu Rev Entomol** 1991;36:159–83 (120 ref.)
Liposomes for the transformation of eukaryotic cells. Hug P, et al. **Biochim Biophys Acta** 1991 Jul 26;1097(1):1–17 (193 ref.)
Genetic exchange and genetic stability in bacterial populations. Istock CA. **Biotechnology** 1991;15:123–49 (100 ref.)
Application of germline transformation to the study of myogenesis. Shani M. **Biotechnology** 1991;16:55–64 (31 ref.)
Transformation of Aspergillus nidulans. Johnstone IL. **Microbiol Sci** 1985 Oct;2(10):307–11 (29 ref.)
Organelle transformation: shoot first, ask questions later. Butow RA, et al. **Trends Biochem Sci** 1990 Dec; 15(12):465–8 (29 ref.)

PHYSIOLOGY

Transformation injury and the unicellular phenotype of malignant cells. Frost P, et al. **Cancer Metastasis Rev** 1990 Jul;9(1):93–8 (19 ref.)

TRANSFORMED CELL LINE see **CELL LINE, TRANSFORMED**

TRANSFORMING GENES see **ONCOGENES**

TRANSFORMING GROWTH FACTOR ALPHA

CHEMISTRY

Three-dimensional structures of proteins determined by two-dimensional NMR and distance geometry calculations. Inagaki F. **Cell Struct Funct** 1990 Oct;15(5):237–43 (15 ref.)
The solution structures of epidermal growth factor and transforming growth factor alpha. Campbell ID, et al. **Prog Growth Factor Res** 1989;1(1):13–22 (42 ref.)

GENETICS

The role of ras gene expression and transforming growth factor alpha production in the etiology and progression of rodent and human breast cancer. Salomon DS, et al. **Cancer Treat Res** 1991;53:107–57 (278 ref.)
An evolutionarily conserved TGF-alpha/insulin-degrading enzyme. Rosner MR. **Mol Reprod Dev** 1990 Sep;27(1):54–9 (16 ref.)

METABOLISM

Expression of transforming growth factor alpha (TGF alpha) in breast cancer. Ciardiello F, et al. **Ann Oncol** 1991 Mar; 2(3):169–82 (112 ref.)

PHYSIOLOGY

Transforming growth factor-alpha. Pandiella A, et al. **Biochem Soc Trans** 1991 Apr;19(2):259–62 (20 ref.)
Transforming growth factor-alpha: an oncodevelopmental growth factor. Salomon DS, et al. **Cancer Cells** 1990 Dec; 2(12):389–97 (65 ref.)
TGF alpha in normal physiology. Kudlow JE, et al. **Semin Cancer Biol** 1990 Aug;1(4):293–302 (36 ref.)
Transforming growth factor alpha: expression, regulation and biological action of its integral membrane precursor. Luetteke NC, et al. **Semin Cancer Biol** 1990 Aug; 1(4):265–75 (62 ref.)
[PDGF, EGF and TGF-alpha. Promoters of cancer growth and wound healing] Uhl D. **Med Monatsschr Pharm** 1991 May;14(5):130–1 (3 ref.) **(Ger)**

THERAPEUTIC USE

EGF and TGF-alpha in wound healing and repair. Schultz G, et al. **J Cell Biochem** 1991 Apr;45(4):346–52 (43 ref.)

TRANSFORMING GROWTH FACTOR ALPHA RECEPTORS see **RECEPTORS, EPIDERMAL GROWTH FACTOR-UROGASTRONE**

TRANSFORMING GROWTH FACTOR BETA

Introduction: what is TGF-beta? Sporn MB, et al. **Ciba Found Symp** 1991;157:1–6 (34 ref.)

ANALYSIS

Assays for transforming growth factor beta. Meager A. **J Immunol Methods** 1991 Jul 26;141(1):1–14 (83 ref.)

BIOSYNTHESIS

Expression of TGF-beta 2 in human glioblastoma: a role in resistance to immune rejection? Fontana A, et al. **Ciba Found Symp** 1991;157:232–8; discussion 238–41 (26 ref.)

GENETICS

Multiple forms of TGF-beta: distinct promoters and differential expression. Roberts AB, et al. **Ciba Found Symp** 1991;157:7–15; discussion 15–28 (58 ref.)

METABOLISM

Latent forms of TGF-beta: molecular structure and mechanisms of activation. Miyazono K, et al. **Ciba Found Symp** 1991;157:81–9; discussion 89–92 (39 ref.)
TGF-beta receptors. Segarini PR. **Ciba Found Symp** 1991; 157:29–40; discussion 41–50 (57 ref.)

PHARMACOLOGY

TGF-beta stimulation and inhibition of cell proliferation: new mechanistic insights. Moses HL, et al. **Cell** 1990 Oct 19;63(2):245–7 (20 ref.)
Transforming growth factor-beta 1 induces extracellular matrix formation in glomerulonephritis. Border WA, et al. **Cell Differ Dev** 1990 Dec 2;32(3):425–31 (32 ref.)
Effects of TGF-beta s in the liver: cell proliferation and fibrogenesis. Fausto N, et al. **Ciba Found Symp** 1991; 157:165–74; discussion 174–7 (27 ref.)
In vivo and in vitro effects of TGF-beta 1 on normal and neoplastic haemopoiesis. Ruscetti FW, et al. **Ciba Found Symp** 1991;157:212–27; discussion 227–31 (42 ref.)
[Transforming growth factor beta—a new type of inhibitor of proliferation of normal and tumor cells] Stolka RS, et al. **Mol Biol (Mosk)** 1990 Jul–Aug;24(4):897–908 (104 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

A system of transforming growth factor-beta receptors. Segarini PR. **Am J Respir Cell Mol Biol** 1991 May; 4(5):395–6 (8 ref.)
The beta-type transforming growth factor. Mediators of cell regulation in the lung. Pelton RW, et al. **Am Rev Respir Dis** 1990 Dec;142(6 Pt 2):S31–5 (64 ref.)
Transforming growth factor-beta is a potent negative regulator of human lymphocytes. Kehrl JH, et al. **Ann N Y Acad Sci** 1991;628:345–53 (42 ref.)
Mechanisms controlling the extracellular activity of basic fibroblast growth factor and transforming growth factor. Rifkin DB, et al. **Ann N Y Acad Sci** 1991;614:250–8 (21 ref.)
Role of transforming growth factor-beta 1 in regulation of hematopoiesis. Ruscetti FW, et al. **Ann N Y Acad Sci** 1991; 628:31–43 (44 ref.)
The transforming growth factor-beta family. Massagué J. **Annu Rev Cell Biol** 1990;6:597–641 (257 ref.)
The transforming growth factor-beta in the regulation of normal and leukemic myelopoiesis. Pinto A, et al. **Biotherapy** 1990;2(4):385–98 (65 ref.)
TGF-beta: problems and prospects. Sporn MB, et al. **Cell Regul** 1990 Nov;1(12):875–82 (63 ref.)
Role of transforming growth factor-beta in repair and fibrosis. Raghow R. **Chest** 1991 Mar;99(3 Suppl):61S–65S (30 ref.)
TGF-beta and wound healing. Amento EP, et al. **Ciba Found Symp** 1991;157:115–23; discussion 123–9 (34 ref.)
Role of TGF-beta 1 in experimental glomerulonephritis. Border WA, et al. **Ciba Found Symp** 1991;157:178–89; discussion 189–93 (32 ref.)
The role of TGF-beta in pulmonary fibrosis. Khalil N, et al. **Ciba Found Symp** 1991;157:194–207; discussion 207–11 (44 ref.)
Regulation of epithelial proliferation by TGF-beta. Moses HL, et al. **Ciba Found Symp** 1991;157:66–74; discussion 75–80 (49 ref.)
The effects of TGF-beta on bone. Mundy GR. **Ciba Found Symp** 1991;157:137–43; discussion 143–51 (46 ref.)
Transforming growth factor beta 1: an autocrine regulator of adrenocortical steroidogenesis. Feige JJ, et al. **Endocr Res** 1991;17(1–2):267–79 (35 ref.)
Suppression of carcinogenesis: a role for TGF-beta and related molecules in prevention of cancer. Wakefield LM, et al. **Immunol Ser** 1990;51:217–43 (112 ref.)
Growth regulatory proteins from human platelets. Heldin CH, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:81–92 (73 ref.)
Transforming growth factor-beta and suppression of carcinogenesis. Sporn MB, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:259–66 (34 ref.)
Transforming growth factor-beta receptors and binding proteoglycans. Boyd FT, et al. **J Cell Sci Suppl** 1990; 13:131–8 (19 ref.)
Regulation of transforming growth factor-beta subtypes by members of the steroid hormone superfamily. Wakefield L, et al. **J Cell Sci Suppl** 1990;13:139–48 (34 ref.)
A possible role for transforming growth factor-beta in systemic sclerosis. Smith EA, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):125S–127S (39 ref.)
Current concepts in wound healing: growth factor and macrophage interaction. Cromack DT, et al. **J Trauma** 1990 Dec;30(12 Suppl):S129–33 (50 ref.)
The role of transforming growth factor-beta in hematopoiesis. A review. Hooper WC. **Leuk Res** 1991; 15(4):179–84 (36 ref.)
Interactions of retinoids and transforming growth factor-beta in regulation of cell differentiation and proliferation. Sporn MB, et al. **Mol Endocrinol** 1991 Jan;5(1):3–7 (56 ref.)
TGF-beta and PDGF mediated tissue repair: identifying mechanisms of action using impaired and normal models of wound healing. Cromack DT, et al. **Prog Clin Biol Res** 1991;365:359–73 (25 ref.)
Fibroblast growth factor and transforming growth factor beta in early embryonic development. Paterno GD, et al. **Prog Growth Factor Res** 1989;1(2):79–88 (50 ref.)
[Transforming growth factor (TGF)-beta] Zhang P. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):323–8 (51 ref.) **(Chi)**

TRANSFORMING GROWTH FACTORS

METABOLISM

Growth factors in normal and malignant uterine tissue. Murphy LJ, et al. **Ann N Y Acad Sci** 1991;622:383–91 (27 ref.)

PHYSIOLOGY

Autocrine and paracrine effects in the endometrium. Leake R, et al. **Ann N Y Acad Sci** 1991;622:145–8 (14 ref.)
Control of human breast cancer by estrogen, growth factors, and oncogenes. Dickson RB, et al. **Cancer Treat Res** 1988; 40:119–65 (316 ref.)
Tumor-associated growth factors in malignant rodent and human mammary epithelial cells. Salomon DS, et al. **Cancer Treat Res** 1988;40:363–89 (92 ref.)
Transforming growth factor-alpha. A model for membrane-anchored growth factors. Massagué J. **J Biol Chem** 1990 Dec 15;265(35):21393–6 (83 ref.)
Endogenous mediators of growth. Loveridge N, et al. **Proc Nutr Soc** 1990 Oct;49(3):443–50 (64 ref.)

TRANSFORMING REGION see **BASE SEQUENCE**

TRANSGENIC ANIMALS see **ANIMALS, TRANSGENIC**

TRANSGENIC MICE see **MICE, TRANSGENIC**

TRANSGLUTAMINASE see **PROTEIN-GLUTAMINE GAMMA-GLUTAMYLTRANSFERASE**

TRANSIENT ISCHEMIC ATTACK see **CEREBRAL ISCHEMIA, TRANSIENT**

TRANSIENT SITUATIONAL DISTURBANCE see **ADJUSTMENT DISORDERS**

TRANSIENTS AND MIGRANTS

Cancer in Italian migrants. Geddes M, et al. **Cancer Causes Control** 1991 Mar;2(2):133–40 (33 ref.)

TRANSILLUMINATION

[Transillumination or mammography in diagnosis of breast cancer?] Jarlman O, et al. **Lakartidningen** 1991 Jan 9; 88(1–2):15–6, 19 (18 ref.) **(Swe)**

TRANSISTORS

[Sensors for amphiphilic ions--antenna of biochemical laboratory] Shirahama K. **Tanpakushitsu Kakusan Koso** 1990 Dec;35(16):2874–82 (7 ref.) **(Jpn)**

TRANSLATION, GENETIC

Transcriptional and translational regulation of the expression of the l(2)gl tumor suppressor gene of Drosophila melanogaster. Strand D, et al. **Adv Enzyme Regul** 1991; 31:339–50 (20 ref.)
Glycoprotein synthesis and secretion: translation and targeting. Koch-Brandt C. **Am Rev Respir Dis** 1991 Sep; 144(3 Pt 2):S29–32 (46 ref.)
Posttranscriptional events in the expression of myelin protein genes. Campagnoni AT, et al. **Ann N Y Acad Sci** 1990; 605:270–9 (20 ref.)

Translational control in mammalian cells. Hershey JW. **Annu Rev Biochem** 1991;60:717–55 (245 ref.)
Ribosomal RNA and translation. Noller HF. **Annu Rev Biochem** 1991;60:191–227 (171 ref.)
Baker's yeast, the new work horse in protein synthesis studies: analyzing eukaryotic translation initiation. Linder P, et al. **Bioessays** 1990 Nov;12(11):519–26 (51 ref.)
Translational control during early development. Richter JD. **Bioessays** 1991 Apr;13(4):179–83 (34 ref.)
The role of poly(A) in the translation and stability of mRNA. Sachs A. **Curr Opin Cell Biol** 1990 Dec;2(6):1092–8 (22 ref.)
Codon context. Buckingham RH. **Experientia** 1990 Dec 1; 46(11–12):1126–33 (74 ref.)
Suppression and the code: beyond codons and anticodons. Murgola EJ. **Experientia** 1990 Dec 1;46(11–12):1134–41 (85 ref.)
Codon bias and gene expression. Kurland CG. **FEBS Lett** 1991 Jul 22;285(2):165–9 (48 ref.)
Tales of poly(A): a review. Munroe D, et al. **Gene** 1990 Jul 16;91(2):151–8 (93 ref.)
What are antibiotics? Archaic functions for modern activities. Davies J. **Mol Microbiol** 1990 Aug;4(8):1227–32 (41 ref.)
Translation initiation in Escherichia coli: old and new questions. Jacques N, et al. **Mol Microbiol** 1990 Jul; 4(7):1063–7 (47 ref.)
Homeotopic transformation and the origin of translation. Danchin A. **Prog Biophys Mol Biol** 1989;54(1):81–6 (39 ref.)
The novel mechanism of initiation of picornavirus RNA translation. Jackson RJ, et al. **Trends Biochem Sci** 1990 Dec;15(12):477–83 (34 ref.)
Picornavirus RNA translation continues to surprise. Sonenberg N. **Trends Genet** 1991 Apr;7(4):105–6 (13 ref.)

DRUG EFFECTS

[Mechanism for suppression mRNA translation with antisense oligonucleotides] Vlasov VV, et al. **Mol Biol (Mosk)** 1990 Sep–Oct;24(5):1157–61 (19 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Pre-translational, translational, and post-translational mechanisms in adaptation of intestinal proteins. Alpers DH. **Digestion** 1990;46 Suppl 2:50–8 (39 ref.)
In-vivo and in-vitro evidence supporting co-regulation of translation in sea-urchin eggs by polypeptide initiation factors, pH optimization, and mRNAs. Hille MB, et al. **J Reprod Fertil Suppl** 1990;42:235–48 (81 ref.)

TRANSLOCATION (GENETICS)

Balanced X;3 translocation associated with gonadal dysgenesis: clinical report and review [letter] Liu J. **Am J Med Genet** 1991 Jul 1;40(1):121–3 (10 ref.)
Adjacent-2 disjunction of a maternal t(9;22) leading to duplication 9pter----q22 and deficiency of 22pter----q11.2. Pivnick EK, et al. **Am J Med Genet** 1990 Sep;37(1):92–6 (20 ref.)
Nonreciprocal and jumping translocations of 15q1----qter in Prader-Willi syndrome. Rivera H, et al. **Am J Med Genet** 1990 Nov;37(3):311–7 (63 ref.)
Unusual mosaic trisomy 13 through 13/13 translocation and monosomy 13 with a small ring. Jalal SM, et al. **Ann Genet** 1990;33(3):173–5 (11 ref.)
Duplication 16q12----qter arising from 3:1 segregation in a 46,XX,t(13;16) (q12;q12) mother. Pérez-Castillo A, et al. **Ann Genet** 1990;33(2):121–3 (19 ref.)
bcl-1, t(11;14), and mantle cell-derived lymphomas [editorial] Raffeld M, et al. **Blood** 1991 Jul 15;78(2):259–63 (50 ref.)
The 14;18 translocation in European cases of follicular lymphoma: comparison of Southern blotting and the polymerase chain reaction. Pezzella F, et al. **Br J Haematol** 1990 Sep;76(1):58–64 (14 ref.)
Reciprocal translocation involving 3q21 in an unusual myeloproliferative disorder with myelodysplastic features and prominent dysmegakaryopoiesis. Cedrone M, et al. **Cancer Genet Cytogenet** 1991 Jan;51(1):73–8 (20 ref.)
Oncogenic conversion of transcription factors by chromosomal translocations. Cleary ML. **Cell** 1991 Aug 23;66(4):619–22 (25 ref.)
Chromosome translocations in human cancer. Testa JR. **Cell Growth Differ** 1990 Feb;1(2):97–101 (16 ref.)
Philadelphia chromosome translocation. Groffen J, et al. **Crit Rev Oncog** 1989;1(1):53–64 (105 ref.)
Quantitative estimation of the genetic risk associated with the induction of heritable translocations at low-dose exposure: ethylene oxide as an example. Rhomberg L, et al. **Environ Mol Mutagen** 1990;16(2):104–25 (70 ref.)
Implication of prior treatment with drug combinations including inhibitors of topoisomerase II in therapy-related monocytic leukemia with a 9;11 translocation. Albain KS, et al. **Genes Chromosom Cancer** 1990 May;2(1):53–8 (42 ref.)
Leukemia characterized by multiple sub-clones with unbalanced translocations involving different telomeric segments: case report and review of the literature. Shippey CA, et al. **Genes Chromosom Cancer** 1990 May;2(1):14–7 (17 ref.)
Molecular insights into the Philadelphia translocation. Heisterkamp N, et al. **Hematol Pathol** 1991;5(1):1–10 (81 ref.)
A sterile male with 45,X0 and a Y;22 translocation. Arnemann J, et al. **Hum Genet** 1991 Jun;87(2):134–8 (54 ref.)
Complex translocations, simple variant translocations and Ph-negative cases in chronic myelogenous leukaemia. Huret JL. **Hum Genet** 1990 Oct;85(6):565–8 (39 ref.)
Translocations t(14;18) and t(8;14) with rearranged bcl-2 and c-myc in a case presenting as B-ALL (L3). Brito-Babapulle V, et al. **Leukemia** 1991 Jan;5(1):83–7 (36 ref.)
De novo acute B-cell leukemia with translocation t(14;18): an entity with a poor prognosis. Kramer MH, et al. **Leukemia** 1991 Jun;5(6):473–8 (23 ref.)
Secondary acute lymphoblastic leukaemia with 4:11 translocation following treatment for Hodgkin's disease: case report and review of the literature. Lennard A, et al. **Leukemia** 1991 Jul;5(7):624–7 (36 ref.)
Role of acrocentric cen-pter satellite DNA in Robertsonian translocation and chromosomal non-disjunction. Choo KH. **Mol Biol Med** 1990 Oct;7(5):437–49 (76 ref.)
t(2;18) and t(18;22) variant chromosomal translocations and bcl-2 gene rearrangements in human malignant lymphomas. Larsen CJ, et al. **Nouv Rev Fr Hematol** 1990;32(6):401–3 (10 ref.)
The bcl-2 gene and 14;18 translocation in lymphoproliferative disorders. Pezzella F, et al. **Nouv Rev Fr Hematol** 1990;32(6):397–9 (14 ref.)
Oncogene involvement in lymphoid malignancy. Ngan BY, et al. **Tumour Biol** 1990;11 Suppl 1:78–93 (99 ref.)

GENETICS

Prader-Willi syndrome and Robertsonian translocations involving chromosome 15. Casamassima AC, et al. **Clin Genet** 1991 Apr;39(4):294–7 (15 ref.)
Multiple phenotypic consequences of the Ig/Myc translocation in B-cell-derived tumors. Klein G. **Genes Chromosom Cancer** 1989 Sep;1(1):3–8 (37 ref.)
Mosaic 46, XY/47,XY, + der(18)t(Y;18)(q11.22;q11.2) karyotype, moderate mental retardation and non-specific dysmorphism. Fryns JP, et al. **Genet Couns** 1990;1(2):173–7 (10 ref.)
Reciprocal translocations in the pig (Sus scrofa): a review. Long SE. **Vet Rec** 1991 Mar 23;128(12):275–8 (32 ref.)

TRANSLOCATION, CHROMOSOMAL see **TRANSLOCATION (GENETICS)**

TRANSLUMINAL CORONARY BALLOON DILATATION see **ANGIOPLASTY, TRANSLUMINAL, PERCUTANEOUS CORONARY**

TRANSMEMBRANE POTENTIALS see **MEMBRANE POTENTIALS**

TRANSMISSIBLE GASTROENTERITIS VIRUS OF SWINE see **GASTROENTERITIS VIRUS OF SWINE**

TRANSMISSION ELECTRON MICROSCOPY see **MICROSCOPY, ELECTRON**

TRANSPHOSPHORYLASES see **PHOSPHOTRANSFERASES**

TRANSPLACENTAL EXPOSURE see **MATERNAL-FETAL EXCHANGE**

TRANSPLANTATION

see related
HISTOCOMPATIBILITY TESTING
NEOPLASM TRANSPLANTATION

Annual review of transplantation. First MR. **Clin Transpl** 1990;:357–73 (135 ref.)
Update: center effects. Gjertson DW. **Clin Transpl** 1990; :375–83 (14 ref.)
Impact of cytomegalovirus infection on organ transplant recipients. Rubin RH. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S754–66 (115 ref.)
Cytomegalovirus immunoglobulins in the prevention and treatment of cytomegalovirus disease. Snydman DR. **Rev Infect Dis** 1990 Sep–Oct;12 Suppl 7:S839–48 (55 ref.)
Red cell antibodies arising from solid organ transplants. Ramsey G. **Transfusion** 1991 Jan;31(1):76–86 (87 ref.)
Cytomegalovirus infections in transplant patients: methods of prevention of primary cytomegalovirus. Bowden RA. **Transplant Proc** 1991 Jun;23(3 Suppl 3):136–8, discussion 138 (15 ref.)
Observations from transplantation contributing to the understanding of pathogenesis of CMV infection. Ho M. **Transplant Proc** 1991 Jun;23(3 Suppl 3):104–8, discussion 108–9 (39 ref.)
Clinical highlights of the 1990 Congress. Morris PJ. **Transplant Proc** 1991 Feb;23(1 Pt 1):25–7 (0 ref.)
Basic science highlights at the 1990 Congress. Sachs DH. **Transplant Proc** 1991 Feb;23(1 Pt 1):28–31 (13 ref.)
Prevention of cytomegalovirus-associated diseases with immunoglobulin. Snydman DR. **Transplant Proc** 1991 Jun; 23(3 Suppl 3):131–5, discussion 135 (27 ref.)
[Immunosuppressive agents--advances of the developmental studies and the mode of action] Ochiai T, et al. **Nippon Rinsho** 1991 Jun;49(6):1436–41 (20 ref.) **(Jpn)**

ADVERSE EFFECTS

Pathogenesis of human cytomegalovirus-associated diseases. Historical perspective. Weller TH. **Transplant Proc** 1991 Jun;23(3 Suppl 3):5–6, discussion 6–7 (14 ref.)

PHYSIOLOGY

The impact of infection on the outcome of transplantation. Rubin RH, et al. **Transplant Proc** 1991 Aug;23(4):2068–74 (44 ref.)
Treatment of CMV infections and disease in transplantation. Schmidt GM. **Transplant Proc** 1991 Jun;23(3 Suppl 3):126–9, discussion 129–30 (30 ref.)

TRENDS

Future trends in transplantation in the 1990s: prospects for the induction of clinical tolerance. Monaco AP. **Transplant Proc** 1991 Feb;23(1 Pt 1):67–72 (53 ref.)
Prospects in transplantation. Morris PJ. **Transplant Proc** 1991 Aug;23(4):2133–7 (26 ref.)

TRANSPLANTATION, ALLOGENEIC see **TRANSPLANTATION, HOMOLOGOUS**

TRANSPLANTATION, AUTOLOGOUS

Autotransplants in acute leukaemia. Gale RP, et al. **Br J Haematol** 1991 May;78(1):135–7 (21 ref.)

METHODS

[Autotransplantation of splenic tissue after splenectomy in adults] Becker NA. **Ugeskr Laeger** 1991 Jul 1; 153(27):1924–6 (20 ref.) (Eng. Abstr.) **(Dan)**

TRANSPLANTATION, BONE see **BONE TRANSPLANTATION**

TRANSPLANTATION, BONE MARROW see **BONE MARROW TRANSPLANTATION**

TRANSPLANTATION, BRAIN TISSUE see **BRAIN TISSUE TRANSPLANTATION**

TRANSPLANTATION, CARDIAC see **HEART TRANSPLANTATION**

TRANSPLANTATION, CORNEAL see **CORNEAL TRANSPLANTATION**

TRANSPLANTATION, FETAL TISSUE see **FETAL TISSUE TRANSPLANTATION**

TRANSPLANTATION, HEART see **HEART TRANSPLANTATION**

TRANSPLANTATION, HEART-LUNG see **HEART-LUNG TRANSPLANTATION**

TRANSPLANTATION, HEPATIC see **LIVER TRANSPLANTATION**

TRANSPLANTATION, HETEROLOGOUS

Transplantation of discordant xenografts: a review of progress. Platt JL, et al. **Immunol Today** 1990 Dec; 11(12):450–6; discussion 456–7 (59 ref.)

IMMUNOLOGY

Immune responses to allogeneic and xenogeneic implants of collagen and collagen derivatives. DeLustro F, et al. **Clin Orthop** 1990 Nov;(260):263–79 (129 ref.)
Revisiting a challenge in transplantation: discordant xenografting. Bach FH. **Hum Immunol** 1991 Apr; 30(4):262–9 (45 ref.)
Accommodation: a working paradigm for progressing toward clinical discordant xenografting. Bach FH, et al. **Transplant Proc** 1991 Feb;23(1 Pt 1):205–7 (15 ref.)

TRANSPLANTATION, HETEROTOPIC

Genetically altered and defined cell lines for transplantation in animal models of Parkinson's disease. Freed WJ, et al. **Prog Brain Res** 1990;82:11–21 (52 ref.)
Grafting genetically modified cells to the brain: conceptual and technical issues. Gage FH, et al. **Prog Brain Res** 1990; 82:1–10 (37 ref.)
Grafts, growth factors and grafts that make growth factors. Olson L, et al. **Prog Brain Res** 1990;82:55–66 (45 ref.)
The clinical application of cell grafting techniques in patients with Parkinson's disease. Quinn NP. **Prog Brain Res** 1990; 82:619–25 (38 ref.)
Donor procurement and surgical techniques for cardiac transplantation. Yacoub M, et al. **Semin Thorac Cardiovasc Surg** 1990 Apr;2(2):153–61 (59 ref.)
Severe primary hyperparathyroidism in a neonate having a parent with hypercalcemia: treatment by total parathyroidectomy and simultaneous heterotopic autotransplantation. Fujimoto Y, et al. **Surgery** 1990 Nov; 108(5):933–8 (23 ref.)

[Auxiliary heterotopic liver transplantation] Terpstra OT. **Ned Tijdschr Geneeskd** 1991 Jul 6;135(27):1211–3 (14 ref.) **(Dut)**

IMMUNOLOGY

Recent evidence for immune privilege in the testis. Maddocks S, et al. **J Reprod Immunol** 1990 Aug;18(1):9–18 (47 ref.)

METHODS

Hepatocyte transplantation. A potential treatment for liver disease. Demetriou AA, et al. **Dig Dis Sci** 1991 Sep; 36(9):1320–6 (11 ref.)

PHYSIOLOGY

Striatal adrenal medulla/sural nerve cografts in hemiparkinsonian monkeys. Hansen JT, et al. **Prog Brain Res** 1990;82:573–80 (33 ref.)

TRANSPLANTATION, HOMOLOGOUS

Effect of monoclonal antibodies on primate allograft rejection. Conti DJ, et al. **Crit Rev Immunol** 1990; 10(2):113–30 (120 ref.)

[New valvular homografts. Prospects and limits of their viability. Report of 42 implantations] Bloch G, et al. **Arch Mal Coeur** 1990 Oct;83(11):1661–7 (27 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

The biology of acute transplant rejection. Tilney NL, et al. **Ann Surg** 1991 Aug;214(2):98–106 (64 ref.)

Immune responses to allogeneic and xenogeneic implants of collagen and collagen derivatives. DeLustro F, et al. **Clin Orthop** 1990 Nov;(260):263–79 (129 ref.)

Transplantation immunity in insects: does allograft responsiveness exist? Karp RD. **Res Immunol** 1990 Nov–Dec;141(9):923–7 (21 ref.)

Advances in and future of tissue typing. Möller E. **Transplant Proc** 1991 Feb;23(1 Pt 1):63–6 (18 ref.)

T-cell tolerance. Strober S. **Transplant Proc** 1991 Feb;23(1 Pt 1):34–5 (17 ref.)

PATHOLOGY

Propagation and characterization of lymphocytes from transplant biopsies. Duquesnoy RJ, et al. **Crit Rev Immunol** 1991;10(6):455–80 (284 ref.)

TRANSPLANTATION IMMUNOLOGY

see related
HISTOCOMPATIBILITY TESTING
IMMUNOSUPPRESSION

Transplantation immunity: basic principles and future projections. Hong R. **Adv Pediatr** 1990;37:285–305 (95 ref.)

Allogeneic bone marrow transplantation: procedures and complications. Parr MD, et al. **Am J Hosp Pharm** 1991 Jan;48(1):127–37 (140 ref.)

Improvement of cadaver renal transplantation outcomes with verapamil: a review. Dawidson I, et al. **Am J Med** 1991 May 17;90(5A):37S–41S (8 ref.)

Therapeutic benefits of calcium channel blockers in cyclosporine-treated organ transplant recipients: blood pressure control and immunosuppression. Weir MR. **Am J Med** 1991 May 17;90(5A):32S–36S (27 ref.)

Blood transfusion and organ transplantation. Ross WB, et al. **Blood Rev** 1990 Dec;4(4):252–8 (47 ref.)

Significance of the HLA molecular structure to transplantation. Park MS, et al. **Clin Transpl** 1988;:301–28 (93 ref.)

Principles of immunosuppression. Chan GL, et al. **Crit Care Clin** 1990 Oct;6(4):841–92 (356 ref.)

Blood transfusion and allograft survival: is mixed chimerism the solution for tolerance induction in clinical transplantation? de Waal LP, et al. **Crit Rev Immunol** 1991; 10(5):417–25 (100 ref.)

Revisiting a challenge in transplantation: discordant xenografting. Bach FH. **Hum Immunol** 1991 Apr; 30(4):262–9 (45 ref.)

Transplantation immunology. Machado DS, et al. **Immunol Ser** 1990;50:499–512 (7 ref.)

Nursing implications of immunosupprcssion in transplantation. Shaefer M, et al. **Nurs Clin North Am** 1991 Jun;26(2):291–314 (105 ref.)

Basic immunology of transplantation. Ettenger R, et al. **Perspect Pediatr Pathol** 1991;14:9–40 (130 ref.)

Muromonab CD-3: a review of its pharmacology, pharmacokinetics, and clinical use in transplantation. Hooks MA, et al. **Pharmacotherapy** 1991;11(1):26–37 (74 ref.)

Transplantation immunity in insects: does allograft responsiveness exist? Karp RD. **Res Immunol** 1990 Nov–Dec;141(9):923–7 (21 ref.)

Transplantation tolerance with monoclonal antibodies. Wood KJ. **Semin Immunol** 1990 Nov;2(6):389–99 (62 ref.)

Immune repertoire of graft-invading T cells. Soulillou JP, et al. **Transpl Int** 1990 Oct;3(3):176–80 (28 ref.)

Mechanisms of transplantation tolerance: introduction. Brent L. **Transplant Proc** 1991 Feb;23(1 Pt 1):131–2 (16 ref.)

Tolerance: past, present, and future. Brent L. **Transplant Proc** 1991 Aug;23(4):2056–60 (40 ref.)

Immunosuppression for organ grafting. Calne RY. **Transplant Proc** 1991 Aug;23(4):2175–7 (26 ref.)

Impact of cyclosporine on organ transplantation. Margreiter R. **Transplant Proc** 1991 Aug;23(4):2180–2 (32 ref.)

Application of molecular genetics to transplantation immunology. Miller JF. **Transplant Proc** 1991 Feb;23(1 Pt 2):1717–8 (7 ref.)

Prospects in transplantation. Morris PJ. **Transplant Proc** 1991 Aug;23(4):2133–7 (26 ref.)

New horizons in immunosuppression. Simmons RL, et al. **Transplant Proc** 1991 Aug;23(4):2152–6 (70 ref.)

New approaches to transplantation tolerance. Smith CV, et al. **Transplant Proc** 1991 Aug;23(4):2157–61 (27 ref.)

Transplantation timeline. Mankind's three millennia—one maverick's three decades in the struggle against biochemical individuality. Kahan BD. **Transplantation** 1991 Jan;51(1):1–21 (452 ref.)

GENETICS

Laws of transplantation. Winn HJ. **Immunol Ser** 1989; 43:53–68 (16 ref.)

Regulation of MHC transcription. Halloran PF, et al. **Transplantation** 1990 Nov;50(5):725–38 (153 ref.)

IMMUNOLOGY

Tumor transplantation and tumor immunity: a personal view. Scott OC. **Cancer Res** 1991 Feb 1;51(3):757–63 (72 ref.)

[The immunobiology of transplant rejection and its pharmacological modification] Köhler H, et al. **Dtsch Med Wochenschr** 1991 Feb 15;116(7):264–9 (25 ref.) **(Ger)**

TRANSPLANTATION, ISLETS OF LANGERHANS see **ISLETS OF LANGERHANS TRANSPLANTATION**

TRANSPLANTATION, KIDNEY see **KIDNEY TRANSPLANTATION**

TRANSPLANTATION, LIVER see **LIVER TRANSPLANTATION**

TRANSPLANTATION, LUNG see **LUNG TRANSPLANTATION**

TRANSPLANTATION, ORGAN see **ORGAN TRANSPLANTATION**

TRANSPLANTATION, PANCREAS see **PANCREAS TRANSPLANTATION**

TRANSPLANTATION, PANCREATIC ISLETS see **ISLETS OF LANGERHANS TRANSPLANTATION**

TRANSPLANTATION, RENAL see **KIDNEY TRANSPLANTATION**

TRANSPLANTATION, SKIN see **SKIN TRANSPLANTATION**

TRANSPLANTATION, TISSUE see **TISSUE TRANSPLANTATION**

TRANSPORT, BIOLOGICAL see **BIOLOGICAL TRANSPORT**

TRANSPORT OF WOUNDED AND SICK see **TRANSPORTATION OF PATIENTS**

TRANSPORT PROTEINS see **CARRIER PROTEINS**

TRANSPORTATION

Public health versus public policy? An appraisal of British urban transport policy. Wolff SP, et al. **Public Health** 1991 May;105(3):217–28 (97 ref.)

METHODS

Robotic transportation. Lob WS. **Clin Chem** 1990 Sep; 36(9):1544–50 (8 ref.)

TRANSPORTATION OF PATIENTS

ABC of major trauma. Transport of injured patients. Wilson A, et al. **BMJ** 1990 Sep 29;301(6753):658–62 (1 ref.)

[Inter-hospital transportation of burned patients] Novák J, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1991; 34(1):43–8 (16 ref.) (Eng. Abstr.) **(Hun)**

TRANSPOSABLE ELEMENTS see **DNA INSERTION ELEMENTS**

TRANSPOSITION OF GREAT VESSELS

[A 38-year-old survivor with complete transposition of the great arteries] Ohtani T, et al. **Kokyu To Junkan** 1990 Nov; 38(11):1145–8 (10 ref.) (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Epidural anaesthesia for labour and caesarean section in a parturient with a single ventricle and transposition of the great arteries. Fong J, et al. **Can J Anaesth** 1990 Sep; 37(6):680–4 (18 ref.)

DIAGNOSIS

[A case report of corrected transposition of the great arteries without any associated defects in a 36-year-old man and the review of adult cases reported in Japan] Shimizu M, et al. **Kokyu To Junkan** 1990 Oct;38(10):1035–40 (22 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

The Damus-Stansel-Kaye procedure: anatomical determinants and modifications. DeLeon SY, et al. **Ann Thorac Surg** 1991 Sep;52(3):680–7 (23 ref.)

[Neonatal anatomical repair of transposition of great vessels associated with atrial septal defect. Apropos of 42 cases] Planché C, et al. **Arch Mal Coeur Vaiss** 1991 May; 84(5):669–73 (8 ref.) (Eng. Abstr.) **(Fre)**

[Successful surgical treatment of a case of corrected transposition in situs inversus with associated anomalies] Matsui Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jun;39(6):967–73 (21 ref.) (Eng. Abstr.) **(Jpn)**

TRANSPOSONS see **DNA INSERTION ELEMENTS**

TRANSSEXUALISM

PSYCHOLOGY

[Gender dysphoria and transsexualism. Psychiatric aspects] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1990 Nov; 148(9):775–81 (13 ref.) **(Fre)**

SURGERY

Transsexual healing: medicaid funding of sex reassignment surgery. Gordon EB. **Arch Sex Behav** 1991 Feb;20(1):61–74 (33 ref.)

TRANSTHYRETIN see **PREALBUMIN**

TRANSUDATES see **EXUDATES AND TRANSUDATES**

TRANSVESTISM

DIAGNOSIS

Transvestitic fetishism: diagnosis and treatment. Wise TN. **Psychiatr Med** 1990;8(4):75–84 (47 ref.)

TRANYLCYPROMINE

ADVERSE EFFECTS

Tranylcypromine addiction: a case report and review. Briggs NC, et al. **J Clin Psychiatry** 1990 Oct;51(10):426–9 (24 ref.)

TRAUMA see **WOUNDS AND INJURIES**

TRAUMA CENTERS

Inner-city trauma centers. Financial burdens or community saviors? Thal ER, et al. **Surg Clin North Am** 1991 Apr; 71(2):209–19 (18 ref.)

UTILIZATION

Trauma systems and public policy. Mendeloff JM, et al. **Annu Rev Public Health** 1991;12:401–24 (50 ref.)

TRAUMA, MULTIPLE see **MULTIPLE TRAUMA**

TRAUMA SEVERITY INDICES

ABC of major trauma. Scoring systems for trauma. Yates DW. **BMJ** 1990 Nov 10;301(6760):1090–4 (0 ref.)

Trauma scoring methods. Smith EJ, et al. **Br J Hosp Med** 1990 Aug;44(2):114–8 (37 ref.)

Update on trauma care in Canada. 6. Update on trauma registries and trauma scoring. Vestrup JA. **Can J Surg** 1990 Dec;33(6):461–3 (12 ref.)

TRAUMA UNITS see **TRAUMA CENTERS**

TRAUMATOLOGY

see related
WOUNDS AND INJURIES

TRENDS

Update on trauma care in Canada. 2. Update on pediatric trauma. Blair GK. **Can J Surg** 1990 Dec;33(6):443–6 (12 ref.)

Update on trauma care in Canada. 4. Resuscitation through the three phases of hemorrhagic shock after trauma. Lucas CE. **Can J Surg** 1990 Dec;33(6):451–6 (17 ref.)

Update on trauma care in Canada. 5. Trauma and hypothermia. McCallum AL. **Can J Surg** 1990 Dec; 33(6):457–60 (27 ref.)

Update on trauma care in Canada. 1. Recent advances in thermal injuries. Tredget EE. **Can J Surg** 1990 Dec; 33(6):439–42 (32 ref.)

TRAVEL

Preventive therapy for malaria. Johnson LW. **Am Fam Physician** 1991 Aug;44(2):471–8 (15 ref.)
Infections in HIV-infected travelers: risks and prevention. Wilson ME, et al. **Ann Intern Med** 1991 Apr 1; 114(7):582–92 (125 ref.)
Gastrointestinal and other vulnerabilities for geriatric globetrotters. Gordon ME. **Clin Geriatr Med** 1991 May; 7(2):321–30 (18 ref.)
Evaluation of the traveler. An introduction to emporiatrics for the emergency physician. Shepherd SM, et al. **Emerg Med Clin North Am** 1991 May;9(2):273–301 (99 ref.)
Protecting travelers from typhoid fever. Rao N. **Infect Control Hosp Epidemiol** 1991 Mar;12(3):168–72 (53 ref.)
Travel medicine and travel clinics. Wolfe MS. **Infect Dis Clin North Am** 1991 Jun;5(2):377–91 (33 ref.)
Health promotion and disease prevention for the international traveler. Alder MB, et al. **Nurse Pract** 1991 May;16(5):10–4, 16–8, 25 (17 ref.)
Health risks of foreign travel. Preparing adults for jaunts abroad. Spees DN. **Postgrad Med** 1991 Jun;89(8):147–50, 153, 156 (18 ref.)
Parasitic diseases. Bailey R. **Practitioner** 1990 Sep; 234(1494):844–9 (3 ref.)
Imported malaria. Conlon C. **Practitioner** 1990 Sep; 234(1494):841–3 (5 ref.)
Management of travellers' diarrhoea. Pithie A. **Practitioner** 1990 Sep;234(1494):833–8 (6 ref.)
Sexually transmitted diseases. Shahmanesh M. **Practitioner** 1990 Sep;234(1494):851–4 (9 ref.)
Parasitic diseases. International travel. Preparing your patient. Pust RE, et al. **Prim Care** 1991 Mar;18(1):213–40 (47 ref.)
Dissemination of human pathogens by airline travel. Masterton RG, et al. **Soc Appl Bacteriol Symp Ser** 1991; 20:31S–38S (44 ref.)
Travel medicine—prevention based on epidemiological data. Steffen R. **Trans R Soc Trop Med Hyg** 1991 Mar–Apr; 85(2):156–62 (44 ref.)
Travel medicine for the primary care physician. Studemeister A. **West J Med** 1991 Apr;154(4):418–22 (19 ref.)
[Ciguatera: an undesirable vacation souvenir] Schröter A, et al. **Med Monatsschr Pharm** 1991 Jul;14(7):206–10 (13 ref.) **(Ger)**
[Prevention of infectious diseases in traveling] Hirschel B. **Ther Umsch** 1991 Apr;48(4):245–50 (8 ref.) (Eng. Abstr.) **(Ger)**
[Diarrhea in returning travellers (etiology, diagnosis and therapy)] Meier R, et al. **Ther Umsch** 1990 Oct; 47(10):809–18 (47 ref.) (Eng. Abstr.) **(Ger)**
[Periemporiatric morbidity and death] Glazer I. **Harefuah** 1991 Feb 1;120(3):138–41 (26 ref.) **(Heb)**

TRAZODONE

ADMINISTRATION & DOSAGE

Trazodone dosing regimen: experience with single daily administration. Fabre LF. **J Clin Psychiatry** 1990 Sep;51 Suppl:23–6 (20 ref.)

ADVERSE EFFECTS

Trazodone-induced transient hypomanic symptoms and their management. Jabeen S, et al. **Br J Psychiatry** 1991 Feb; 158:275–8 (10 ref.)

TREACHER-COLLINS SYNDROME see **MANDIBULOFACIAL DYSOSTOSIS**

TREATMENT PROTOCOLS see **CLINICAL PROTOCOLS**

TREATMENT REFUSAL

see related
PATIENT DROPOUTS

Improving compliance and increasing control of hypertension: needs of special hypertensive populations. Clark LT. **Am Heart J** 1991 Feb;121(2 (Pt 2)):664–9 (45 ref.)
The ethics of forced feeding in anorexia nervosa [see comments] Hébert PC, et al. **Can Med Assoc J** 1991 Jan 15;144(2):141–4 (38 ref.) Comment in: Can Med Assoc J 1991 May 15;144(10):1205–8.
[Observance in cancerology] Hoerni B, et al. **Bull Cancer (Paris)** 1991;78(4):317–21 (36 ref.) **(Fre)**

PSYCHOLOGY

Refusal of care and discharging 'difficult' patients from the emergency department. Mayer D. **Ann Emerg Med** 1990 Dec;19(12):1436–46 (106 ref.)
Noncompliance in community psychiatry: a review of clinical interventions. Chen A. **Hosp Community Psychiatry** 1991 Mar;42(3):282–7 (67 ref.)

TREES

Chemical management of forest pest epidemics: a case study. Ecobichon DJ. **Biomed Environ Sci** 1990 Jun;3(2):217–39 (74 ref.)

TREHALOSE

METABOLISM

Trehalose in yeast, stress protectant rather than reserve carbohydrate. Wiemken A. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):209–17 (47 ref.)

TREHALOSE DIMYCOLATES see **CORD FACTORS**

TREMATODA

GROWTH & DEVELOPMENT

Cultivation of helminths in chick embryos. Fried B, et al. **Adv Parasitol** 1991;30:108–65 (158 ref.)

PHYSIOLOGY

Environment and host-parasite relationships in Monogenea. Lambert A. **Folia Parasitol (Praha)** 1990;37(3):219–24 (14 ref.)
Neurobiology of parasitic platyhelminths: possible solutions to the problems of correlating structure with function. Pax RA, et al. **Parasitology** 1991;102 Suppl:S31–9 (57 ref.)

TREMOR

Essential tremor: a review. Abila B. **West Afr J Med** 1991 Jan–Mar;10(1):426–32 (42 ref.)

ETIOLOGY

[Cerebellar ataxia and unilateral asterixis caused by thalamic hematoma. Presumed mechanisms] Trouillas P, et al. **Rev Neurol (Paris)** 1990;146(8–9):484–9 (38 ref.) (Eng. Abstr.) **(Fre)**
[Asterixis in bilateral subdural hematoma (letter)] Palomo F, et al. **Med Clin (Barc)** 1990 Jun 9;95(2):77 (10 ref.) **(Spa)**

PHYSIOPATHOLOGY

Isometric features of orthostatic tremor: an electromyographic analysis. Walker FO, et al. **Muscle Nerve** 1990 Oct;13(10):918–22 (12 ref.)
Petit mal epilepsy and parkinsonian tremor: hypothesis of a common pacemaker. Buzsáki G, et al. **Neuroscience** 1990; 36(1):1–14 (124 ref.)

TREPONEMA

IMMUNOLOGY

Molecular and antigenic analysis of treponemes. Strugnell R, et al. **Crit Rev Microbiol** 1990;17(4):231–50 (178 ref.)

TREPONEMAL INFECTIONS

COMPLICATIONS

Brucellosis and nonsyphilitic treponemal uveitis. Tabbara KF. **Int Ophthalmol Clin** 1990 Fall;30(4):294–6 (10 ref.)

TRETINOIN

ANALOGS & DERIVATIVES

Acitretin in the treatment of erythrokeratodermia variabilis. van de Kerkhof PC, et al. **Dermatologica** 1990;181(4):330–3 (23 ref.)
A new morphogenic metabolite of retinol: 3,4-didehydroretinoic acid. **Nutr Rev** 1991 Jan;49(1):22–4 (10 ref.)
[Angiolymphoid hyperplasia with eosinophilia. Remission with acitretin] Marcoux C, et al. **Ann Dermatol Venereol** 1991;118(3):217–21 (22 ref.) **(Fre)**

ANTAGONISTS & INHIBITORS

A hypothetical mechanism for fetal alcohol syndrome involving ethanol inhibition of retinoic acid synthesis at the alcohol dehydrogenase step. Duester G. **Alcohol Clin Exp Res** 1991 Jun;15(3):568–72 (64 ref.)
Inhibition of retinoic acid synthesis and its implications in fetal alcohol syndrome [editorial] Keir WJ. **Alcohol Clin Exp Res** 1991 Jun;15(3):560–4 (73 ref.)

HISTORY

Topical tretinoin research: an historical perspective. Thorne EG. **J Int Med Res** 1990;18 Suppl 3:18C–25C (24 ref.)

METABOLISM

Expression of a retinoic acid-receptor gene is regulated by retinoic acid itself. **Nutr Rev** 1990 Sep;48(9):355–7 (9 ref.)
The intracellular vitamin A-binding proteins: an overview of their functions. Wolf G. **Nutr Rev** 1991 Jan;49(1):1–12 (40 ref.)

PHARMACOLOGY

Retinoic acid: the morphogen of the main body axis? Green JB. **Bioessays** 1990 Sep;12(9):437–9 (18 ref.)
Retinoic acid and limb regeneration. Brockes JP. **J Cell Sci Suppl** 1990;13:191–8 (34 ref.)
Methods for the assessment of the effects of topical retinoic acid in photo-ageing and actinic keratoses. Marks R. **J Int Med Res** 1990;18 Suppl 3:29C–34C (18 ref.)
Retinoic acid and prostatic cancer cell growth. Whelan P. **Prog Clin Biol Res** 1990;357:117–20 (16 ref.)

THERAPEUTIC USE

Tretinoin treatment of photodamaged skin. Cosmesis through medical therapy. Weiss JS, et al. **Dermatol Clin** 1991 Jan; 9(1):123–9 (21 ref.)
Clinical features of photodamage and treatment with topical tretinoin. Gardner SS, et al. **J Dermatol Surg Oncol** 1990 Oct;16(10):925–31 (23 ref.)
Clinical effects of long-term therapy with topical tretinoin and cellular mode of action. Voorhees JJ. **J Int Med Res** 1990;18 Suppl 3:26C–28C (11 ref.)
Tretinoin therapy: practical aspects of evaluation and treatment. Weiss JS, et al. **J Int Med Res** 1990;18 Suppl 3:41C–48C (9 ref.)

TRIACYLGLYCEROL LIPASE see **LIPASE**

TRIACYLGLYCEROLS see **TRIGLYCERIDES**

TRIAGE

Triage of disaster-related neuropsychiatric casualties. Burkle FM Jr. **Emerg Med Clin North Am** 1991 Feb;9(1):87–105 (85 ref.)
[Clinical management problems in mass accidents] Friedl HP, et al. **Chirurg** 1991 Apr;62(4):239–42 (10 ref.) (Eng. Abstr.) **(Ger)**
[First aid for severely injured patients in mass accidents] Hartel W, et al. **Chirurg** 1991 Apr;62(4):233–8 (15 ref.) **(Ger)**

ORGANIZATION & ADMINISTRATION

Triage in the emergency department. Wiebe RA, et al. **Emerg Med Clin North Am** 1991 Aug;9(3):491–505 (81 ref.)

STANDARDS

Heart-lung transplantation for patients with cystic fibrosis. A test of clinical wisdom. Fiel SB. **Arch Intern Med** 1991 May;151(5):870–2 (10 ref.)

TRIAL OF LABOR

see related
CESAREAN SECTION DELIVERY

The role of epidural anesthesia in trial of labor. Johnson C, et al. **Reg Anesth** 1990 Nov–Dec;15(6):304–8 (38 ref.)

TRIAMCINOLONE ACETONIDE

ANALOGS & DERIVATIVES

Intradiscal injection of triamcinolone hexacetonide for acute, subacute, and chronic sciatica. Results at 3 months an open-prospectus study of 30 cases and review of the literature. Bertin P, et al. **Clin Rheumatol** 1990 Sep; 9(3):362–6 (14 ref.)

TRIATRIAL HEART see **COR TRIATRIATUM**

TRIAZINES

Melamine resins and their application in electron microscopy. Frösch D, et al. **Electron Microsc Rev** 1989;2(2):231–55 (44 ref.)

TRIAZOLES

PHARMACOLOGY

Highly selective inhibition of estrogen biosynthesis by CGS 20267, a new non-steroidal aromatase inhibitor. Bhatnagar AS, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20; 37(6):1021–7 (19 ref.)
New non-steroidal aromatase inhibitors: focus on R76713. De Coster R, et al. **J Steroid Biochem Mol Biol** 1990 Nov 20;37(3):335–41 (26 ref.)
Nefazodone: preclinical pharmacology of a new antidepressant. Eison AS, et al. **Psychopharmacol Bull** 1990; 26(3):311–5 (23 ref.)

TRIBUTYRINASE see **LIPASE**

TRICARBOXYLIC ACID CYCLE see **CITRIC ACID CYCLE**

TRICHINELLIASIS see **TRICHINOSIS**

TRICHINOSIS

IMMUNOLOGY

[Mechanisms of T-cell-mediated hypersensitivity in mice infected with the intestinal helminth Trichinella spiralis] Parmentier HK, et al. **Tijdschr Diergeneeskd** 1990 Dec 1; 115(23):1085–91 (35 ref.) (Eng. Abstr.) **(Dut)**

TRICHLORFON

POISONING

[Late toxic effects of chlorophos (review of the literature)] Nedopitanskaia NN, et al. **Gig Sanit** 1991 Mar;(3):61–4 (69 ref.) **(Rus)**

TRICHLOROETHANES

ADVERSE EFFECTS

[The use of 1,1,1-trichloroethane (methylchloroform) in industrial operations: the neurotoxicity risk] Fernicola C, et al. **Med Lav** 1991 Jan–Feb;82(1):38–49 (37 ref.) (Eng. Abstr.) **(Ita)**

TRICHLOROETHYLENE

ADVERSE EFFECTS

[Are industrial toxic substances a risk factor in gallbladder cancer?] Paraf F, et al. **Gastroenterol Clin Biol** 1990; 14(11):877–80 (40 ref.) (Eng. Abstr.) **(Fre)**

TRICHOBEZOARS see **BEZOARS**

TRICHOCEPHALIASIS see **TRICHURIASIS**

TRICHOMONAS INFECTIONS

Urethritis in men. Fowler JE Jr. **Semin Urol** 1991 Feb; 9(1):15–27 (87 ref.)

DRUG THERAPY

Gynaecological infections and strategies for treatment. Roex AJ. **Pharm Weekbl [Sci]** 1990 Dec 14;12(6A):268–74 (31 ref.)

TRICHOMONAS VAGINITIS

Vaginitis syndromes. Schaeffer AJ. **Semin Urol** 1991 Feb; 9(1):9–14 (15 ref.)

COMPLICATIONS

[Reactive arthritis and juxta-articular rheumatism in Trichomonas vaginitis] Bianucci G, et al. **Rev Rhum Mal Osteoartic** 1991 Jun;58(6):473–5 (21 ref.) **(Fre)**

TRICHOPHYTON

IMMUNOLOGY

Systematic control of dermatophytosis profunda of cattle in the former GDR. Kielstein P. **Mycoses** 1990 Nov–Dec; 33(11–12):575–9 (7 ref.)

TRICHOPHYTOSIS see **TINEA**

TRICHOSPORON

Disseminated Trichosporon capitatum infection in a patient with acute leukemia undergoing bone marrow transplantation. Liu KL, et al. **Bone Marrow Transplant** 1990 Sep;6(3):219–21 (25 ref.)

ISOLATION & PURIFICATION

Endocarditis due to Trichosporon beigelii: in vitro susceptibility of isolates and review. Keay S, et al. **Rev Infect Dis** 1991 May–Jun;13(3):383–6 (34 ref.)

TRICHOSTRONGYLOSIS

VETERINARY

[Epidemiology and immunology of trichostrongylosis in cattle and sheep, a synthesis] Jansen J. **Tijdschr Diergeneeskd** 1990 Nov 15;115(22):1042–50 (26 ref.) (Eng. Abstr.) **(Dut)**

TRICHOTHECENE EPOXIDES see **TRICHOTHECENES**

TRICHOTHECENES

POISONING

The apparently minimal hazard posed to human consumers of products from animals fed trichothecene-contaminated grains. Beasley VR, et al. **Vet Hum Toxicol** 1990;32 Suppl:27–39 (106 ref.)

TRICHOTILLOMANIA

DIAGNOSIS

Trichotillomania in childhood. Hamdan-Allen G. **Acta Psychiatr Scand** 1991 Apr;83(4):241–3 (20 ref.)

Annotation: trichotillomania. Swedo SE, et al. **J Child Psychol Psychiatry** 1991 Mar;32(3):401–9 (60 ref.)

THERAPY

Trichotillomania. Slagle DA, et al. **Am Fam Physician** 1991 Jun;43(6):2019–24 (16 ref.)

TRICHURIASIS

PARASITOLOGY

Parasitic diseases. Other roundworms. Trichuris, hookworm, and Strongyloides. Walden J. **Prim Care** 1991 Mar; 18(1):53–74 (40 ref.)

TRICLOSAN

THERAPEUTIC USE

Zinc citrate/Triclosan: a new anti-plaque system for the control of plaque and the prevention of gingivitis: short-term clinical and mode of action studies. Cummins D. **J Clin Periodontol** 1991 Jul;18(6):455–61 (45 ref.)

Antibacterial dentifrices. Clinical data and relevance with emphasis on zinc/triclosan. Gjermo P, et al. **J Clin Periodontol** 1991 Jul;18(6):468–73 (60 ref.)

TRICUSPID VALVE

Group B streptococcal endocarditis of tricuspid valve. Watanakunakorn C, et al. **Chest** 1991 Aug;100(2):569–71 (16 ref.)

Myxoma of tricuspid valve [letter] Sharma SC, et al. **J Thorac Cardiovasc Surg** 1991 May;101(5):938–40 (5 ref.)

ABNORMALITIES

Tricuspid atresia: association with persistent truncus arteriosus. Rao PS, et al. **Am Heart J** 1991 Sep;122(3 (Pt 1)):829–35 (29 ref.)

[A case of tricuspid atresia with unroofed coronary sinus] Koyama T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1990 Aug;38(8):1384–8 (12 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Lipomatous hamartoma of the tricuspid valve: echocardiographic-pathologic correlations. Crotty TB, et al. **Clin Cardiol** 1991 Mar;14(3):262–6 (20 ref.)

SURGERY

Pregnancy after Fontan repair of tricuspid atresia. Hess DB, et al. **South Med J** 1991 Apr;84(4):532–4 (4 ref.)

TRICUSPID VALVE INSUFFICIENCY

Aspects of mitral and tricuspid regurgitation. Barlow JB. **J Cardiol Suppl** 1991;25:3–33 (116 ref.)

CONGENITAL

[A case report of isolated congenital tricuspid regurgitation] Nakakura H, et al. **Kyobu Geka** 1990 Aug;43(9):733–5 (9 ref.) (Eng. Abstr.) **(Jpn)**

ETIOLOGY

[Infectious endocarditis of the tricuspid valve in patients with endocardial pacemakers] el Kohen M, et al. **Arch Mal Coeur** 1990 Nov;83(12):1855–7 (10 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

[The value of recording the pulmonary insufficiency flow by continuous Doppler for the evaluation of systolic pulmonary artery pressure] Raffoul H, et al. **Arch Mal Coeur** 1990 Oct;83(11):1703–9 (25 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Evaluation and management of tricuspid valve disease. Kratz J. **Cardiol Clin** 1991 May;9(2):397–407 (38 ref.)

TRICUSPID VALVE STENOSIS

SURGERY

Long-term function in University of Cape Town prostheses in the tricuspid position. Galvin IF, et al. **Ann Thorac Surg** 1991 Sep;52(3):552–4 (8 ref.)

Evaluation and management of tricuspid valve disease. Kratz J. **Cardiol Clin** 1991 May;9(2):397–407 (38 ref.)

TRICYCLIC ANTIDEPRESSIVE AGENTS see **ANTIDEPRESSIVE AGENTS, TRICYCLIC**

TRIETHYLENETETRAMINE

CHEMISTRY

A comparative study of in vitro and in vivo interaction of D-penicillamine and triethylenetetramine with copper. Sarkar B, et al. **Proc R Soc Med** 1977;70 Suppl 3:13–8 (7 ref.)

TRIGEMINAL GANGLION

Spontaneous trigemino-pontine pneumocephalus. Mariani L, et al. **Br J Neurosurg** 1991;5(2):199–204 (34 ref.)

[Treatment of essential trigeminal neuralgia by Gasserian compression using balloon (50 cases)] Abdennebi B, et al. **Neurochirurgie** 1991;37(2):115–8 (15 ref.) (Eng. Abstr.) **(Fre)**

[Microcompression of Gasser's ganglion. A treatment of essential facial neuralgia. Apropos of 70 cases] Peragut JC, et al. **Neurochirurgie** 1991;37(2):111–4 (20 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Extracerebral manifestations in migraine. A peptidergic involvement? Edvinsson L, et al. **J Intern Med** 1990 Oct; 228(4):299–304 (42 ref.)

TRIGEMINAL NERVE

Spontaneous trigemino-pontine pneumocephalus. Mariani L, et al. **Br J Neurosurg** 1991;5(2):199–204 (34 ref.)

INJURIES

[Condylar fractures and involvement of the trigeminal nerve] Goga D, et al. **Rev Stomatol Chir Maxillofac** 1990; 91(6):447–51 (13 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

[The role of neuropeptides in neural somatic reflexes] Traczyk WZ. **Acta Physiol Pol** 1989;40 Suppl 34:55–66 (38 ref.) **(Pol)**

PHYSIOPATHOLOGY

Bradycardia and the trigeminal nerve. Barnard NA, et al. **J Craniomaxillofac Surg** 1990 Nov;18(8):359–60 (19 ref.)

Basic mechanisms in vascular headache. Moskowitz MA. **Neurol Clin** 1990 Nov;8(4):801–15 (49 ref.)

[The upper cervical spine. Symptomatology, clinical diagnosis and therapy of functional disorder] Baumgartner H. **Orthopade** 1991 Apr;20(2):127–32 (9 ref.) (Eng. Abstr.) **(Ger)**

TRIGEMINAL NEURALGIA

COMPLICATIONS

Familial trigeminal neuralgia and Charcot-Marie-Tooth neuropathy. Report of two families and review. Coffey RJ, et al. **Surg Neurol** 1991 Jan;35(1):49–53 (31 ref.)

DIAGNOSIS

Special considerations in orofacial pain. Austin DG, et al. **Dent Clin North Am** 1991 Jan;35(1):227–44 (159 ref.)

ETIOLOGY

Magnetic resonance imaging of vertebrobasilar ectasia in tic convulsif. Case report. Harsh GR 4th, et al. **J Neurosurg** 1991 Jun;74(6):999–1003 (22 ref.)

GENETICS

Familial trigeminal neuralgia and Charcot-Marie-Tooth neuropathy. Report of two families and review. Coffey RJ, et al. **Surg Neurol** 1991 Jan;35(1):49–53 (31 ref.)

SURGERY

Surgical management of trigeminal neuralgia [see comments] Zakrzewska JM. **Br Dent J** 1991 Jan 19;170(2):61–2 (17 ref.) Comment in: Br Dent J 1991 Mar 23;170(6):210.

[Etiology and therapy of trigeminal neuralgia] Soyka D. **Neurochirurgia (Stuttg)** 1990 Oct;33 Suppl 1:11–3 (14 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

[Treatment of essential trigeminal neuralgia by Gasserian compression using balloon (50 cases)] Abdennebi B, et al. **Neurochirurgie** 1991;37(2):115–8 (15 ref.) (Eng. Abstr.) **(Fre)**

[Microcompression of Gasser's ganglion. A treatment of essential facial neuralgia. Apropos of 70 cases] Peragut JC, et al. **Neurochirurgie** 1991;37(2):111–4 (20 ref.) (Eng. Abstr.) **(Fre)**

TRIGEMINAL NUCLEUS, SPINAL

PHYSIOLOGY

The spinotrigeminal pathway and its spatial relationship to the origin of trigeminospinal projections in the rat. Phelan KD, et al. **Neuroscience** 1991;40(2):477–96 (107 ref.)

TRIGGER POINTS, MYOFASCIAL see **MYOFASCIAL PAIN SYNDROMES**

TRIGLYCERIDE LIPASE see **LIPASE**

TRIGLYCERIDES

ADMINISTRATION & DOSAGE

Alternative lipid sources for enteral and parenteral nutrition: long- and medium-chain triglycerides, structured triglycerides, and fish oils. Bell SJ, et al. **J Am Diet Assoc** 1991 Jan;91(1):74–8 (24 ref.)

ANALYSIS

Cytotoxicity of remnants of triglyceride-rich lipoproteins: an atherogenic insult? Chung BH, et al. **Adv Exp Med Biol** 1991;285:341–51 (18 ref.)

BLOOD

Postprandial hyperlipidemia. Gotto AM Jr, et al. **Am J Cardiol** 1991 Jul 24;68(3):11A–12A (11 ref.)

The hypertriglyceridemias: risk and management. Laboratory procedures. Kostner G, et al. **Am J Cardiol** 1991 Jul 24; 68(3):26A–29A (25 ref.)

Plasma triglyceride and coronary heart disease. Austin MA. **Arterioscler Thromb** 1991 Jan–Feb;11(1):2–14 (118 ref.)

Triglyceride measurements: a review of methods and interferences. Klotzsch SG, et al. **Clin Chem** 1990 Sep; 36(9):1605–13 (95 ref.)

Triglyceride-rich lipoproteins and atherosclerosis. Schwandt P. **Drugs** 1990;40 Suppl 1:38–41 (14 ref.)

The triglyceride controversy: a review of the data. Schwandt P. **Eur Heart J** 1990 Dec;11 Suppl H:38–43 (33 ref.)

Effects of gemfibrozil and other fibric acid derivatives on blood lipids and lipoproteins. Zimetbaum P, et al. **J Clin Pharmacol** 1991 Jan;31(1):25–37 (96 ref.)

[Determination of potentially atherogenic triglyceride-rich lipoprotein particles] Alaupovic P, et al. **Klin Wochenschr** 1990;68 Suppl 22:38–42 (29 ref.) (Eng. Abstr.) **(Ger)**

[Dietary modification of the postprandial phase] Canzler H. **Klin Wochenschr** 1990;68 Suppl 22:76–82 (15 ref.) **(Ger)**

[Peripheral remnant metabolism] Schmitz G, et al. **Klin Wochenschr** 1990;68 Suppl 22:32–7 (18 ref.) (Eng. Abstr.) **(Ger)**

[Triglyceride-rich lipoproteins as risk factors for atherosclerosis] Schwandt P. **Klin Wochenschr** 1990;68 Suppl 22:54–8 (20 ref.) (Eng. Abstr.) **(Ger)**

[Is macroangiopathy a complication of diabetes mellitus? II: Hypertriglyceridemia] Goldsztajn P. **Przegl Lek** 1990; 47(8):597–602 (45 ref.) **(Pol)**

[Effects of intra-partum stress on lipid metabolism. Adaptation of plasma lipid transport systems in neonates] Campoy Folgoso C, et al. **An Esp Pediatr** 1990 Sep; 33(3):245–52 (64 ref.) (Eng. Abstr.) **(Spa)**

CHEMISTRY

The apoB 100-apo(a) complex: relation to triglyceride-rich particles. Scanu AM, et al. **Adv Exp Med Biol** 1991; 285:295–8 (22 ref.)

The lipid surface of triglyceride-rich particles can modulate (apo)protein binding and tissue uptake. Small DM, et al. **Adv Exp Med Biol** 1991;285:281–8 (28 ref.)

The effects of glyceride structure on absorption and metabolism. Small DM. **Annu Rev Nutr** 1991;11:413–34 (105 ref.)

METABOLISM

Pathophysiology of triglyceride-rich particles. A. Metabolism of triglyceride-rich particles. Shepherd J, et al. **Am J Cardiol** 1991 Jul 24;68(3):5A–7A (15 ref.)

Lipase regulation of muscle triglyceride hydrolysis. Oscai LB, et al. **J Appl Physiol** 1990 Nov;69(5):1571–7 (63 ref.)

Triacylglycerol metabolism and hypertriglyceridemia. **Nutr Rev** 1990 Sep;48(9):348–50 (8 ref.)

New developments in fat emulsions. Carpentier YA, et al. **Proc Nutr Soc** 1990 Oct;49(3):375–80 (18 ref.)

[Triglycerides in 1991] Daubresse JC. **Rev Med Liege** 1991 May;46(5):245–55 (25 ref.) **(Fre)**

PHARMACOKINETICS

[Elimination and metabolism of MCT-containing fat emulsions in postoperative patients in the framework of total parenteral nutrition] Herrmann A, et al. **Infusionstherapie** 1990 Aug;17(4):185–90; 193–6 (57 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Pathophysiology of triglyceride-rich particles. B. Triglyceride-rich lipoprotein cell interactions. Stein Y, et al. **Am J Cardiol** 1991 Jul 24;68(3):8A–10A (18 ref.)

TRIHEXYPHENIDYL

POISONING

[Combined poisoning by etaminal sodium and cyclodol] Naumov VN. **Sud Med Ekspert** 1990 Jul–Sep;33(3):48–50 (19 ref.) **(Rus)**

TRIIODOTHYRONINE

BLOOD

Euthyroid low thyroxine (T4) and triiodothyronine (T3) states in prematures and sick neonates. Fisher DA. **Pediatr Clin North Am** 1990 Dec;37(6):1297–312 (54 ref.)

THERAPEUTIC USE

Augmentation regimens for depression. Nemeroff CB. **J Clin Psychiatry** 1991 May;52 Suppl:21–7 (21 ref.)

TRIIODOTHYRONINE RECEPTORS see **RECEPTORS, THYROID HORMONE**

TRIMESTER, FIRST see **PREGNANCY TRIMESTER, FIRST**

TRIMETAZIDINE

PHARMACOLOGY

Antioxidant properties of an antiischaemic agent: trimetazidine. Clauser P, et al. **Adv Exp Med Biol** 1990; 264:247–50 (14 ref.)

TRIMETHADIONE

THERAPEUTIC USE

Dissolution of pancreatic stones. Noda A. **Trop Gastroenterol** 1990 Apr–Jun;11(2):76–86 (18 ref.)

TRIMETHOPRIM

ADMINISTRATION & DOSAGE

Brief overview of single-dose therapy for uncomplicated urinary tract infections. Bailey RR. **Chemotherapy** 1990;36 Suppl 1:27–30 (22 ref.)

TRIMETHOPRIM-SULFAMETHOXAZOLE COMBINATION

ADMINISTRATION & DOSAGE

Brief overview of single-dose therapy for uncomplicated urinary tract infections. Bailey RR. **Chemotherapy** 1990;36 Suppl 1:27–30 (22 ref.)

[Drugs for antibiotic- and chemotherapy of Q fever] Maksimovich MB. **Antibiot Khimioter** 1991 Feb;36(2):41–3 (61 ref.) **(Rus)**

ADVERSE EFFECTS

Adverse reactions to co-trimoxazole in HIV infection. van der Ven AJ, et al. **Lancet** 1991 Aug 17;338(8764):431–3 (20 ref.)

Trimethoprim-sulfamethoxazole anaphylactoid reactions in patients with AIDS: case reports and literature review. Johnson MP, et al. **Pharmacotherapy** 1990;10(6):413–6 (19 ref.)

THERAPEUTIC USE

Prophylaxis and treatment of Pneumocystis carinii pneumonia. O'Doherty MJ, et al. **Br J Hosp Med** 1991 May;45(5):277–8, 280, 283 (44 ref.)

Pentamidine: a review. Wispelwey B, et al. **Infect Control Hosp Epidemiol** 1991 Jun;12(6):375–82 (63 ref.)

Prevention of infection by ciprofloxacin in neutropenia. Warren RE, et al. **J Antimicrob Chemother** 1990 Dec;26 Suppl F:109–23 (66 ref.)

Brucella endocarditis: the role of combined medical and surgical treatment. Jacobs F, et al. **Rev Infect Dis** 1990 Sep–Oct;12(5):740–4 (44 ref.)

[Pneumocystis carinii pneumonia in HIV infection. Diagnosis, prognostic factors and curative treatment] Saimot AG, et al. **Presse Med** 1991 Feb 16;20(6):258–64 (44 ref.) (Eng. Abstr.) **(Fre)**

[Consensus conference: pneumocystosis in HIV infections. 1st consensus conference in anti-infection therapeutics organized by "la Société de Pathologie Infectieuse de langue française", May 11, 1990] **Rev Pneumol Clin** 1990; 46(3):132–5 (0 ref.) **(Fre)**

TRIMETHOXYPHENETHYLAMINE see **MESCALINE**

TRIOSEPHOSPHATE ISOMERASE

METABOLISM

Enzyme catalysis: not different, just better. Knowles JR. **Nature** 1991 Mar 14;350(6314):121–4 (45 ref.)

TRIOSEPHOSPHATE MUTASE see **TRIOSEPHOSPHATE ISOMERASE**

TRIPLE SYMPTOM COMPLEX see **BEHCET'S SYNDROME**

TRIPLETS

Cerebral palsy in multiple births in Western Australia: genetic aspects. Petterson B, et al. **Am J Med Genet** 1990 Nov; 37(3):346–51 (27 ref.)

Delayed interval delivery in a triplet pregnancy; a case report. van Heusden AM, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 Jan 4;38(1):75–8 (10 ref.)

TRIPROLIDINE

ANALOGS & DERIVATIVES

Acrivastine. A review of its pharmacological properties and therapeutic efficacy in allergic rhinitis, urticaria and related disorders. Brogden RN, et al. **Drugs** 1991 Jun;41(6):927–40 (64 ref.)

TRIS BUFFER see **TROMETHAMINE**

TRISACCHARIDES

PHARMACOLOGY

[Inhibitors of alpha-glucosidase] Toeller M. **Journ Annu Diabetol Hotel Dieu** 1991;:203–12 (13 ref.) **(Fre)**

TRISAMINE see **TROMETHAMINE**

TRISMUS

ETIOLOGY

Aetiology and diagnosis of clinically evident jaw trismus. Luyk NH, et al. **Aust Dent J** 1990 Dec;35(6):523–9 (55 ref.)

TRISOMY

Pseudo-trisomy 13 syndrome. Cohen MM Jr, et al. **Am J Med Genet** 1991 Jun 1;39(3):332–5; discussion 336–7 (16 ref.)

Trisomy 14 mosaicism in a 5-year-old boy. Vachvanichsanong P, et al. **Am J Med Genet** 1991 Jul 1; 40(1):80–3 (37 ref.)

Trisomy 9 mosaicism in a girl with multiple malformations. Diaz-Mares L, et al. **Ann Genet** 1990;33(3):165–8 (12 ref.)

Unusual mosaic trisomy 13 through 13/13 translocation and monosomy 13 with a small ring. Jalal SM, et al. **Ann Genet** 1990;33(3):173–5 (11 ref.)

Trisomy 8 and an unbalanced t(5;17)(q11;p11) characterize two karyotypically independent clones in a case of idiopathic myelofibrosis evolving to acute nonlymphoid leukemia. Kerim S, et al. **Cancer Genet Cytogenet** 1991 Mar; 52(1):63–9 (26 ref.)

Similar cytogenetic abnormalities in two cases of plasma cell leukemia [see comments] Smadja N, et al. **Cancer Genet Cytogenet** 1991 Mar;52(1):123–9 (27 ref.) Comment in: Cancer Genet Cytogenet 1991 Mar;52(1):135–8.

Trisomy 8 as a nonrandom secondary change in myxoid liposarcoma. Sreekantaiah C, et al. **Cancer Genet Cytogenet** 1991 Feb;51(2):195–205 (50 ref.)

Trisomy 18 and 18p- features in a case of isochromosome 18q [46,XY,i(18q)]: prenatal diagnosis and autopsy report. Wurster-Hill DH, et al. **Clin Genet** 1991 Feb;39(2):142–8 (19 ref.)

Distal trisomy 14q. I. Clinical and cytogenetical studies. Gilgenkrantz S, et al. **Hum Genet** 1990 Oct;85(6):612–6 (22 ref.)

Partial 3q duplication syndrome and assignment of D3S5 to 3q25–3q28. van Essen AJ, et al. **Hum Genet** 1991 Jun; 87(2):151–4 (28 ref.)

Holoprosencephaly-polydactyly ('pseudotrisomy 13') syndrome: a syndrome with features of hydrolethalus and Smith-Lemli-Opitz syndromes. A collaborative multicentre study. Verloes A, et al. **J Med Genet** 1991 May; 28(5):297–303 (34 ref.)

Trisomy 8 in acute lymphoblastic leukemia (ALL): a case report and update of the literature. Garipidou V, et al. **Leukemia** 1990 Oct;4(10):717–9 (18 ref.)

Two live-born infants with trisomy 22. Phillipson J, et al. **Pediatr Pathol** 1990;10(6):1001–5 (12 ref.)

Trisomy 12 mosaicism detected by mid-trimester amniocentesis. Petrella R, et al. **Prenat Diagn** 1990 Dec; 10(12):781–5 (15 ref.)

Trisomy 12 mosaicism in phenotypically normal fetuses following prenatal detection. Wyandt HE, et al. **Prenat Diagn** 1990 Sep;10(9):569–74 (12 ref.)

Down syndrome and the trisomy 16 mouse: impact of gene imbalance on brain development and aging. Coyle JT, et al. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:85–99 (73 ref.)

[4p trisomy secondary to paternal translocation t(4p-;15q+)] Saad A, et al. **Ann Pediatr (Paris)** 1991 May;38(5):350–4 (17 ref.) (Eng. Abstr.) **(Fre)**

[A case of 17q distal trisomy associated with epilepsy] Kurihara M. **No To Hattatsu** 1991 Mar;23(2):210–2 (4 ref.) **(Jpn)**

TRITERPENES

ISOLATION & PURIFICATION

[Progress of studies on the chemical constituents of Ganoderma triterpene] Chen RY, et al. **Yao Hsueh Hsueh Pao** 1990;25(12):940–53 (61 ref.) **(Chi)**

METABOLISM

The biosynthesis of triterpenoids, steroids, and carotenoids. Harrison DM. **Nat Prod Rep** 1990 Dec;7(6):459–84 (235 ref.)

TRITICUM see WHEAT

TRITONS see POLYETHYLENE GLYCOLS

TRNA see RNA, TRANSFER

TRNAASP see RNA, TRANSFER, ASP

TRNAGLN see RNA, TRANSFER, GLN

TRNAGLU see RNA, TRANSFER, GLU

TRNATYR see RNA, TRANSFER, TYR

TROMETAMOL see TROMETHAMINE

TROMETHAMINE

Indications for use of bicarbonate in patients with metabolic acidosis. Arieff AI. **Br J Anaesth** 1991 Aug;67(2):165–77 (105 ref.)

PHARMACOKINETICS

Ketorolac: a parenteral nonsteroidal antiinflammatory drug. Resman-Targoff BH. **DICP** 1990 Nov;24(11):1098–104 (51 ref.)

Ketorolac tromethamine pharmacokinetics and metabolism after intravenous, intramuscular, and oral administration in humans and animals. Mroszczak EJ, et al. **Pharmacotherapy** 1990;10(6 (Pt 2)):33S–39S (6 ref.)

THERAPEUTIC USE

Ketorolac: an injectable NSAID. DiPalma JR. **Am Fam Physician** 1991 Jan;43(1):207–10 (16 ref.)

Ketorolac tromethamine. Jay GT. **Conn Med** 1991 May; 55(5):288–90 (21 ref.)

Antimicrobial potentiation of irrigation solutions containing tris-[hydroxymethyl] aminomethane-EDTA. Ashworth CD, et al. **J Am Vet Med Assoc** 1990 Dec 1;197(11):1513–4 (20 ref.)

TROPANES

CHEMISTRY

Tropane alkaloids. Fodor G, et al. **Nat Prod Rep** 1990 Dec; 7(6):539–48 (164 ref.)

METABOLISM

Recent developments in the biosynthesis of the tropane alkaloids. Leete E. **Planta Med** 1990 Aug;56(4):339–52 (102 ref.)

TROPHOBLAST

Interaction between endometrium epithelial cells (SNG–M) and teratocarcinoma cells (HT–H) differentiated into trophoblast. Fukuda MN. **Hum Cell** 1989 Dec;2(4):345–55 (61 ref.)

CYTOLOGY

[Functional morphology of the extravillous (peripheral) cyto- trophoblast of human placenta] Milovanov AP, et al. **Arkh Anat Gistol Embriol** 1990 Oct;99(10):77–82 (36 ref.) **(Rus)**

IMMUNOLOGY

Evasive strategies of trophoblast cells: selective expression of membrane antigens. Hunt JS, et al. **Am J Reprod Immunol** 1990 Jun;23(2):57–63 (81 ref.)

Immunology of human placental trophoblast membrane antigens. Bulmer JN, et al. **Arch Immunol Ther Exp (Warsz)** 1990;38(1–2):103–10 (54 ref.)

[Surface molecules on the trophoblast cells] Bjercke S. **Tidsskr Nor Laegeforen** 1991 Apr 10;111(9):1123–6 (23 ref.) (Eng. Abstr.) **(Nor)**

PATHOLOGY

Pathology of trophoblast. Kurman RJ. **Monogr Pathol** 1991; (33):195–227 (50 ref.)

PHYSIOLOGY

In vitro systems for the study of human trophoblast implantation. Coutifaris C, et al. **Ann N Y Acad Sci** 1991; 622:191–201 (18 ref.)

Factors regulating interaction between trophoblast and human endometrium. Flamigni C, et al. **Ann N Y Acad Sci** 1991;622:176–90 (81 ref.)

Mechanisms of trophoblast invasiveness and their control: the role of proteases and protease inhibitors. Lala PK, et al. **Cancer Metastasis Rev** 1990 Dec;9(4):369–79 (47 ref.)

Trophoblastic factors and the maternal recognition of pregnancy in sheep and cattle. Stewart HJ. **J Dev Physiol** 1990 Sep;14(3):115–23 (91 ref.)

ULTRASTRUCTURE

Ultrastructure in human implantation: transmission and scanning electron microscopy. Lindenberg S. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):1–14 (62 ref.)

TROPHOBLASTIC TUMOR

Rare gynecologic malignancies. Schink JC, et al. **Curr Opin Obstet Gynecol** 1991 Feb;3(1):78–90 (55 ref.)

Recent advances in the biology and treatment of gestational trophoblastic diseases and germ cell tumors. Berkowitz RS. **Curr Opin Oncol** 1990 Oct;2(5):901–5 (15 ref.)

DIAGNOSIS

Evolving concepts of molar pregnancy. Berkowitz RS, et al. **J Reprod Med** 1991 Jan;36(1):40–4 (32 ref.)

Placental site trophoblastic tumor. Diagnosis, clinical behavior and treatment. Finkler NJ. **J Reprod Med** 1991 Jan;36(1):27–30 (21 ref.)

DRUG THERAPY

Gestational trophoblastic neoplasia. Soper JT. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):92–7 (12 ref.)

Gestational trophoblastic tumors and malignant ovarian germ cell tumors. Berkowitz RS. **Curr Opin Oncol** 1989 Oct; 1(1):119–22 (15 ref.)

Single-agent chemotherapy for nonmetastatic gestational trophoblastic neoplasia. Perspectives for the 21st century after three decades of use. Kohorn EI. **J Reprod Med** 1991 Jan;36(1):49–55 (41 ref.)

ETIOLOGY

Partial hydatidiform mole with subsequent trophoblastic tumor; a case report. Vejerslev LO, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 Jun 5;40(1):73–7 (22 ref.)

MORTALITY

High-risk factors in metastatic gestational trophoblastic neoplasia. DuBeshter B. **J Reprod Med** 1991 Jan;36(1):9–13 (27 ref.)

PATHOLOGY

Malignant placental site trophoblastic tumor. A case report and a review of the literature. Larsen LG, et al. **APMIS Suppl** 1991;23:138–45 (18 ref.)

Pathology of trophoblast. Kurman RJ. **Monogr Pathol** 1991; (33):195–227 (50 ref.)

Placental site trophoblastic tumors (trophoblastic pseudotumors): pathology and clinical importance. Maymon R, et al. **Obstet Gynecol Surv** 1990 Oct; 45(10):654–6 (23 ref.)

[The so-called placental site trophoblastic tumor] Ammann M, et al. **Geburtshilfe Frauenheilkd** 1991 Jan;51(1):67–9 (9 ref.) **(Ger)**

SECONDARY

Diagnosis and management of brain metastasis from gestational trophoblastic disease. Weed JC Jr, et al. **Oncology (Williston Park)** 1991 Jun;5(6):48–50; discussion 50, 53–4 (7 ref.)

THERAPY

Gestational trophoblastic tumors. Lurain JR. **Semin Surg Oncol** 1990;6(6):347–53 (70 ref.)

TROPICAL MEDICINE

Malnutrition and infections as causes of childhood anemia in tropical Africa. Kasili EG. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):375–7 (15 ref.)

Travel medicine and travel clinics. Wolfe MS. **Infect Dis Clin North Am** 1991 Jun;5(2):377–91 (33 ref.)

Tropical trials and tribulations. Hall AJ, et al. **Int J Epidemiol** 1990 Dec;19(4):777–81 (27 ref.)

[Imported health problems] Bjorvatn B. **Tidsskr Nor Laegeforen** 1991 Apr 20;111(10):1247–50 (14 ref.) (Eng. Abstr.) **(Nor)**

TROPICAL SPASTIC PARAPARESIS see PARAPARESIS, TROPICAL SPASTIC

TROPOMYOSIN

PHYSIOLOGY

Paramyosin and the catch mechanism. Watabe S, et al. **Comp Biochem Physiol [B]** 1990;96(4):639–46 (49 ref.)

TROPONIN

Structure, function, and regulation of troponin C. Parmacek MS, et al. **Circulation** 1991 Sep;84(3):991–1003 (86 ref.)

ANALYSIS

Myosin light chains and troponin C: structural and evolutionary relationships revealed by amino acid sequence comparisons. Collins JH. **J Muscle Res Cell Motil** 1991 Feb;12(1):3–25 (133 ref.)

TROUT

METABOLISM

Effects of lipophilic complex formation on the uptake and distribution of some metals in fish. Tjälve H, et al. **Pharmacol Toxicol** 1991 Jun;68(6):430–9 (48 ref.)

PHYSIOLOGY

Generation and biological activities of lipoxins in the rainbow trout--an overview. Rowley AF, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991; 21B:557–60 (11 ref.)

TRUNCAL VAGOTOMY see VAGOTOMY, TRUNCAL

TRUNCUS ARTERIOSUS, PERSISTENT

COMPLICATIONS

Associated occurrence of persistent truncus arteriosus and asplenia. Gumbiner CH, et al. **Pediatr Cardiol** 1991 Jul; 12(3):192–5 (17 ref.)

EPIDEMIOLOGY

Tricuspid atresia: association with persistent truncus arteriosus. Rao PS, et al. **Am Heart J** 1991 Sep;122(3 (Pt 1)):829–35 (29 ref.)

SURGERY

[Immediate and mid-term results of complete repair of truncus arteriosus during the first year of life] Losay J, et al. **Arch Mal Coeur Vaiss** 1991 May;84(5):691–5 (13 ref.) (Eng. Abstr.) **(Fre)**

TRUTH DISCLOSURE

Credibility examination of children and adolescents on the question of sexual abuse. von Klitzing K. **Acta Paedopsychiatr** 1990;53(3):181–90 (14 ref.)

Children on the stand: the obligation to speak the truth. Burton RV, et al. **J Dev Behav Pediatr** 1991 Apr; 12(2):121–8 (66 ref.)

TRYPANOCIDAL AGENTS

CHEMICAL SYNTHESIS

Trypanothione metabolism and rational approaches to drug design. Fairlamb AH. **Biochem Soc Trans** 1990 Oct; 18(5):717–20 (35 ref.)

PHARMACOLOGY

[Biochemical bases of the action of anti-chagasic drugs] Morello A, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun; 21(1):93–9 (40 ref.) **(Spa)**

THERAPEUTIC USE

Potential therapeutic exploitation of the pulmonary polyamine uptake system. Cohen GM, et al. **Biochem Soc Trans** 1990 Oct;18(5):743–5 (28 ref.)

TRYPANOSOMA

GENETICS

mRNA processing in the Trypanosomatidae. Perry K, et al. **Experientia** 1991 Feb 15;47(2):118–28 (71 ref.)

Of HLA, tryps, and selection: an essay on coevolution of MHC and parasites. Klein J. **Hum Immunol** 1991 Apr; 30(4):247–58 (57 ref.)

IMMUNOLOGY

The pellicle and the membrane of the flagellum, flagellar adhesion zone, and flagellar pocket: functionally discrete surface domains of the bloodstream form of African trypanosomes. Balber AE. **Crit Rev Immunol** 1990; 10(3):177–201 (240 ref.)

METABOLISM

Trypanothione metabolism and rational approaches to drug design. Fairlamb AH. **Biochem Soc Trans** 1990 Oct; 18(5):717–20 (35 ref.)

TRYPANOSOMA BRUCEI see TRYPANOSOMA BRUCEI BRUCEI

TRYPANOSOMA BRUCEI BRUCEI

DRUG EFFECTS

Future prospects for the chemotherapy of human trypanosomiasis. 2. Combination chemotherapy and African trypanosomiasis. Jennings FW. **Trans R Soc Trop Med Hyg** 1990 Sep-Oct;84(5):618-21 (23 ref.)

GENETICS

Stage-specific mechanisms for activation and expression of variant surface glycoprotein genes in Trypanosoma brucei. Barry JD, et al. **Biochem Soc Trans** 1990 Oct;18(5):708-10 (35 ref.)

RNA editing and the mysterious undercover genes of trypanosomatid mitochondria. Lamond AI. **Trends Biochem Sci** 1988 Aug;13(8):283-4 (8 ref.)

Genetic exchange in African trypanosomes. Sternberg J, et al. **Trends Genet** 1990 Oct;6(10):317-22 (25 ref.)

[Antisense oligonucleotides: tools of molecular genetics and therapeutic agents] Toulmé JJ, et al. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:11-4 (19 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

[Antigenic variation of African trypanosomes] Pays E. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:5-10 (12 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Sexual stages in trypanosomes and implications. Jenni L. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:19-21 (16 ref.)

TRYPANOSOMA BRUCEI GAMBIENSE

IMMUNOLOGY

Control of antigenic variation in African trypanosomes. Van der Ploeg LH. **New Biol** 1991 Apr;3(4):324-30 (85 ref.)

ISOLATION & PURIFICATION

[The slow progress in the control of sleeping sickness] Wéry M. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:89-93 (19 ref.) (Eng. Abstr.) **(Fre)**

TRYPANOSOMA BRUCEI RHODESIENSE see **TRYPANOSOMA BRUCEI BRUCEI**

TRYPANOSOMA CRUZI

DRUG EFFECTS

[Biochemical bases of the action of anti-chagasic drugs] Morello A, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun; 21(1):93-9 (40 ref.) **(Spa)**

IMMUNOLOGY

Immunogenicity of Trypanosoma cruzi cysteine proteinase. Arnholdt AC, et al. **Res Immunol** 1991 Feb;142(2):146-51 (44 ref.)

Antigens of Trypanosoma cruzi that mimic mammalian nervous tissues: investigations of their role in the autoimmune pathophysiology of chronic Chagas' disease. Petry K, et al. **Res Immunol** 1991 Feb;142(2):151-6 (27 ref.)

[Antigens in Trypanosoma cruzi] Búa JE, et al. **Rev Argent Microbiol** 1990 Jan-Mar;22(1):37-55 (143 ref.) **(Spa)**

PHYSIOLOGY

The biology of Trypanosoma cruzi-macrophage interaction. de Araújo-Jorge TC. **Mem Inst Oswaldo Cruz** 1989 Oct-Dec;84(4):441-62 (169 ref.)

Pathogenesis of Chagas' disease. Andrade ZA. **Res Immunol** 1991 Feb;142(2):126-9 (28 ref.)

TRYPANOSOMA GAMBIENSE see **TRYPANOSOMA BRUCEI GAMBIENSE**

TRYPANOSOMA RHODESIENSE see **TRYPANOSOMA BRUCEI BRUCEI**

TRYPANOSOMA VARIANT SURFACE COAT GLYCOPROTEINS see **VARIANT SURFACE GLYCOPROTEINS, TRYPANOSOMA**

TRYPANOSOMATIDAE

GENETICS

RNA editing in mitochondrial mRNA of trypanosomatids. Stuart K. **Trends Biochem Sci** 1991 Feb;16(2):68-72 (29 ref.)

TRYPANOSOMIASIS

DRUG THERAPY

Future prospects for the chemotherapy of human trypanosomiasis. 1. Novel approaches to the chemotherapy of trypanosomiasis. Fairlamb AH. **Trans R Soc Trop Med Hyg** 1990 Sep-Oct;84(5):613-7 (53 ref.)

TRYPANOSOMIASIS, AFRICAN

DRUG THERAPY

Future prospects for the chemotherapy of human trypanosomiasis. 2. Combination chemotherapy and African trypanosomiasis. Jennings FW. **Trans R Soc Trop Med Hyg** 1990 Sep-Oct;84(5):618-21 (23 ref.)

PREVENTION & CONTROL

Perspectives in research on and control of African trypanosomiasis. Kuzoe FA. **Ann Trop Med Parasitol** 1991 Feb;85(1):33-41 (27 ref.)

[The slow progress in the control of sleeping sickness] Wéry M. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:89-93 (19 ref.) (Eng. Abstr.) **(Fre)**

TRYPANOSOMIASIS, CARDIOVASCULAR see **CHAGAS CARDIOMYOPATHY**

TRYPANOSOMIASIS, SOUTH AMERICAN

CLASSIFICATION

[Classification of Chagas' infection in humans] Prata A. **Rev Soc Bras Med Trop** 1990 Apr-Jun;23(2):109-13 (49 ref.) **(Por)**

DRUG THERAPY

Purine analogs as chemotherapeutic agents in leishmaniasis and American trypanosomiasis. Marr JJ. **J Lab Clin Med** 1991 Aug;118(2):111-9 (36 ref.)

EPIDEMIOLOGY

[Pragmatic data and observations related to the epidemiology of Chagas disease] Schenone H, et al. **Bol Chil Parasitol** 1989 Jul-Dec;44(3-4):66-86 (173 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Pathogenesis of Chagas' disease. Andrade ZA. **Res Immunol** 1991 Feb;142(2):126-9 (28 ref.)

IMMUNOLOGY

Regulation of immunity in Trypanosoma cruzi infection. Tarleton RL. **Exp Parasitol** 1991 Jul;73(1):106-9 (16 ref.)

Immunological aspects of the morbidity of human Chagas' disease. Gazzinelli G, et al. **Res Immunol** 1991 Feb; 142(2):167-9 (19 ref.)

Natural anti-Gal antibodies prevent, rather than cause, autoimmunity in human Chagas' disease. Gazzinelli RT. **Res Immunol** 1991 Feb;142(2):164-7 (18 ref.)

Murine Trypanosoma cruzi infection: a role for TH2 cells in the immunopathology of chronic infection. Hontebeyrie-Joskowicz M. **Res Immunol** 1991 Feb; 142(2):141-3 (33 ref.)

Origin and significance of anti-heart and anti-skeletal muscle autoantibodies in Chagas' disease. Laguens RP, et al. **Res Immunol** 1991 Feb;142(2):160-3 (17 ref.)

Chagas' disease: CD5 B-cell-dependent Th2 pathology? Minoprio P. **Res Immunol** 1991 Feb;142(2):137-40 (23 ref.)

Antigens of Trypanosoma cruzi that mimic mammalian nervous tissues: investigations of their role in the autoimmune pathophysiology of chronic Chagas' disease. Petry K, et al. **Res Immunol** 1991 Feb;142(2):151-6 (27 ref.)

Role of autoreactive immunological mechanisms in chagasic carditis. Ribeiro-dos-Santos R, et al. **Res Immunol** 1991 Feb;142(2):134-7 (12 ref.)

The role of T-cell subpopulations in experimental Chagas' disease. Tarleton RL. **Res Immunol** 1991 Feb;142(2):130-3 (36 ref.)

PARASITOLOGY

Trypanosoma cruzi, the etiologic agent of Chagas' disease: status in the blood supply in endemic and nonendemic countries. Schmuñis GA. **Transfusion** 1991 Jul-Aug; 31(6):547-57 (112 ref.)

PATHOLOGY

Macrophage activation and resistance to Trypanosoma cruzi infection. Russo N, et al. **Res Immunol** 1991 Feb; 142(2):144-6 (15 ref.)

PHYSIOPATHOLOGY

[An undetermined form of Chagas' disease: medico-occupational implications] De Oliveira Júnior W. **Arq Bras Cardiol** 1990 Feb;54(2):89-91 (40 ref.) **(Por)**

TRANSMISSION

Nosocomial transmission and infection control aspects of parasitic and ectoparasitic diseases. Part II. Blood and tissue parasites. Lettau LA. **Infect Control Hosp Epidemiol** 1991 Feb;12(2):111-21 (121 ref.)

TRYPSIN

ANALYSIS

Tumour-associated trypsin inhibitor and tumour-associated trypsin. Stenman UH. **Scand J Clin Lab Invest Suppl** 1990; 201:93-101 (56 ref.)

BLOOD

[Biochemical studies in the diagnosis of acute pancreatitis] Tvorogova MG, et al. **Ter Arkh** 1991;63(2):144-7 (26 ref.) **(Rus)**

METABOLISM

Electrostatic complementarity in molecular associations. Náray-Szabó G. **J Mol Graph** 1989 Jun;7(2):76-81, 98 (34 ref.)

Clinical evaluation of cathodic trypsin-like immunoreactivity in pancreatic diseases in adults. Møller-Petersen J. **Scand J Clin Lab Invest** 1990 Sep;50(5):463-77 (56 ref.)

TRYPSIN INHIBITOR, ALPHA 1-ANTITRYPSIN see **ALPHA 1-ANTITRYPSIN**

TRYPSIN INHIBITOR, KAZAL PANCREATIC

METABOLISM

Tumour-associated trypsin inhibitor and tumour-associated trypsin. Stenman UH. **Scand J Clin Lab Invest Suppl** 1990; 201:93-101 (56 ref.)

TRYPSIN INHIBITOR, KUNITZ, PANCREATIC see **APROTININ**

TRYPSIN INHIBITORS

ANALYSIS

Investigation of inter-alpha-trypsin inhibitor and slow migrating proteinase inhibitors in serum and urine. Odum L. **Dan Med Bull** 1991 Feb;38(1):68-77 (111 ref.)

GENETICS

Molecular cloning and sequence analysis of full-length cDNA coding for mouse contrapsin. Suzuki Y, et al. **J Biochem (Tokyo)** 1990 Sep;108(3):344-6 (15 ref.)

METABOLISM

Electrostatic complementarity in molecular associations. Náray-Szabó G. **J Mol Graph** 1989 Jun;7(2):76-81, 98 (34 ref.)

THERAPEUTIC USE

[Effect of acute aprotinin (Gordox) therapy on hemostasis in heart surgery patients, with special reference to hyperfibrinolysis] Szécsi J, et al. **Orv Hetil** 1990 Dec 23; 131(51):2809-14 (44 ref.) (Eng. Abstr.) **(Hun)**

TOXICITY

Residue trypsin inhibitor: data needs for risk assessment. Hathcock JN. **Adv Exp Med Biol** 1991;289:273-9 (33 ref.)

TRYPTAMINE RECEPTORS see **RECEPTORS, SEROTONIN**

TRYPTAMINES

PHYSIOLOGY

Tryptamine may couple dopaminergic and serotonergic transmission in the brain. Juorio AV, et al. **Gen Pharmacol** 1990;21(5):613-6 (49 ref.)

TRYPTOPHAN

[Protein dynamics revealed by an ultrafast time-resolved spectroscopy of tryptophan] Tanaka F, et al. **Tanpakushitsu Kakusan Koso** 1990 Oct;35(13):2223-33 (60 ref.) **(Jpn)**

ADVERSE EFFECTS

Cutaneous mucinosis in a patient with eosinophilia-myalgia syndrome associated with L-tryptophan ingestion [letter] Dubin DB, et al. **Arch Dermatol** 1990 Nov;126(11):1517-8 (7 ref.)

Eosinophilia-myalgia syndrome. Kazura JW. **Cleve Clin J Med** 1991 May-Jun;58(3):267-70 (25 ref.)

Neuromuscular manifestations of the L-tryptophan-associated eosinophilia-myalgia syndrome. Kaufman LD. **Curr Opin Rheumatol** 1990 Dec;2(6):896-900 (27 ref.)

L-tryptophan-related eosinophilia-myalgia syndrome: a case report. Wong CB, et al. **Hawaii Med J** 1990 Aug; 49(8):295-8, 303 (17 ref.)

L-tryptophan-associated eosinophilia-myalgia syndrome:

perspective of a new illness. Kaufman LD, et al. **Rheum Dis Clin North Am** 1991 May;17(2):427–41 (94 ref.)

[Myalgia–hypereosinophilia syndrome caused by L–tryptophan] Lacour JP, et al. **Ann Dermatol Venereol** 1990;117(12):991–8 (32 ref.) **(Fre)**

[L–tryptophan and the eosinophilia–myalgia syndrome—consequences for artificial nutrition?] Bässler KH. **Infusionstherapie** 1991 Feb;18(1):5–10 (37 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Clinical studies of 5–HT function using i.v. L–tryptophan. Price LH, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990; 14(4):459–72 (81 ref.)

METABOLISM

A light–induced tryptophan–riboflavin binding: biological implications. Silva E, et al. **Adv Exp Med Biol** 1991; 289:33–48 (81 ref.)

Relationship between interferon–gamma, indoleamine 2,3–dioxygenase, and tryptophan catabolism. Taylor MW, et al. **FASEB J** 1991 Aug;5(11):2516–22 (60 ref.)

PHARMACOLOGY

Endocrinological responses to 5–HT. Cowen PJ, et al. **Ann N Y Acad Sci** 1990;600:250–7; discussion 257–9 (11 ref.)

TRYPTOPHAN OXYGENASE

METABOLISM

Relationship between interferon–gamma, indoleamine 2,3–dioxygenase, and tryptophan catabolism. Taylor MW, et al. **FASEB J** 1991 Aug;5(11):2516–22 (60 ref.)

Indoleamine 2,3–dioxygenase—a new antioxidant enzyme. Sun Y. **Mater Med Pol** 1989 Jul–Sep;21(3):244–50 (84 ref.)

TRYPTOPHAN PYRROLASE see **TRYPTOPHAN OXYGENASE**

TRYPTOPHAN SYNTHASE

METABOLISM

Structural basis for catalysis by tryptophan synthase. Miles EW. **Adv Enzymol Relat Areas Mol Biol** 1991;64:93–172 (179 ref.)

TRYPTOPHAN SYNTHETASE see **TRYPTOPHAN SYNTHASE**

TSETSE FLIES

PARASITOLOGY

[The slow progress in the control of sleeping sickness] Wéry M. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:89–93 (19 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

The Tsetse Research Laboratory. Jordan AM, et al. **Ann Trop Med Parasitol** 1991 Feb;85(1):11–20 (68 ref.)

TSH see **THYROTROPIN**

TSH RECEPTORS see **RECEPTORS, THYROTROPIN**

TUBAL LIGATION see **STERILIZATION, TUBAL**

TUBE FEEDING see **ENTERAL FEEDING**

TUBE ILEOSTOMY see **ILEOSTOMY**

TUBERCULIN

HISTORY

[The "tuberculin intoxication" of 1890] Elkeles B. **Dtsch Med Wochenschr** 1990 Nov 9;115(45):1729–32 (35 ref.) **(Ger)**

IMMUNOLOGY

Cytokines and the Koch phenomenon. Rook GA, et al. **Tubercle** 1991 Mar;72(1):13–20 (50 ref.)

TUBERCULIN TEST

Tuberculosis in the elderly: incidence, manifestations, PPD skin tests, and preventive therapy. Mallet L, et al. **DICP** 1991 Jun;25(6):650–5 (47 ref.)

TUBERCULIN–TYPE HYPERSENSITIVITY see **HYPERSENSITIVITY, DELAYED**

TUBERCULOID BACILLUS see **MYCOBACTERIUM, ATYPICAL**

TUBERCULOID INFECTIONS see **MYCOBACTERIUM INFECTIONS, ATYPICAL**

TUBERCULOID LEPROSY see **LEPROSY, TUBERCULOID**

TUBERCULOMA

DIAGNOSIS

Tuberculous meningitis. Leonard JM, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):769–87 (78 ref.)

[A case of tuberculoma of the orbit with sphenoidal origin] Van Effenterre G, et al. **J Fr Ophtalmol** 1990;13(1–2):62–8 (26 ref.) (Eng. Abstr.) **(Fre)**

[A case of solitary tuberculoma of the liver and a review of the Japanese literature on the morphological characteristics in the images] Goto H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1990 Sep;87(9):1902–6 (26 ref.) **(Jpn)**

TUBERCULOSIS

Tuberculous mastitis. Wilson JP, et al. **Chest** 1990 Dec; 98(6):1505–9 (43 ref.)

[Tuberculosis of the cavum, report of two cases] Marrakchi R, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990; 111(2):149–52 (11 ref.) (Eng. Abstr.) **(Fre)**

[A case of epipharyngeal tuberculosis with tuberculosis otitis media] Kawahara T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1990 Aug;93(8):1222–6 (17 ref.) (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Esophageal tuberculosis: a rare presentation with hematemesis. Newman RM, et al. **Am J Gastroenterol** 1991 Jun;86(6):751–5 (25 ref.)

Mycobacterium tuberculosis in the acquired immunodeficiency syndrome. Kaiser–Smith J, et al. **J Am Osteopath Assoc** 1991 Apr;91(4):377–84 (28 ref.)

Tuberculosis and the acquired immune deficiency syndrome. Festenstein F, et al. **J Appl Bacteriol** 1991 Jul;71(1):19–30 (78 ref.)

Bacteremia due to Mycobacterium tuberculosis in patients with human immunodeficiency virus infection. A report of 9 cases and a review of the literature. Barber TW, et al. **Medicine (Baltimore)** 1990 Nov;69(6):375–83 (38 ref.)

Tuberculosis in patients with human immunodeficiency virus infection. Barnes PF, et al. **N Engl J Med** 1991 Jun 6; 324(23):1644–50 (60 ref.)

AIDS and tuberculosis. Martin DJ, et al. **S Afr Med J** 1990 Nov 3;78(9):533–5 (19 ref.)

[Tuberculosis and HIV infection] Lichterfeld A, et al. **Pneumologie** 1991 Jan;45(1):1–8 (100 ref.) **(Ger)**

DIAGNOSIS

New approaches to the diagnosis of tuberculosis in childhood with special reference to neurotuberculosis. Grange JM. **Indian J Pediatr** 1990 Sep–Oct;57(5):639–44 (26 ref.)

Diagnosis of tuberculosis by polymerase chain reaction. Rattan A. **Indian J Pediatr** 1990 Sep–Oct;57(5):673–7 (15 ref.)

The immunodiagnosis of tuberculosis in Thailand. Bovornkitti S, et al. **J Med Assoc Thai** 1990 Jun;73(6):305–7 (14 ref.)

[Tuberculosis of the upper digestive and respiratory tract] Ennouri A, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990; 111(3):217–20 (24 ref.) (Eng. Abstr.) **(Fre)**

[Diagnosis of tuberculosis] Schaberg T, et al. **Dtsch Med Wochenschr** 1990 Nov 23;115(47):1795–8 (14 ref.) **(Ger)**

[Opinion on childhood tuberculosis. A review] Wunderlich P, et al. **Kinderarztl Prax** 1990 Nov;58(11):555–9 (15 ref.) (Eng. Abstr.) **(Ger)**

[Determination of anti–mycobacteria antibody titers by ELISA for the early diagnosis of tuberculosis] Toida I, et al. **Kekkaku** 1990 Aug;65(8):545–58 (73 ref.) (Eng. Abstr.) **(Jpn)**

[Mycobacterial antigens and their diagnostic value] Badukshanova NM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1991 May;(5):54–9 (50 ref.) **(Rus)**

[Diagnostic efficacy of adenosine deaminase (ADA) in tuberculous serositis] Martínez JM, et al. **Enferm Infecc Microbiol Clin** 1989 Jan;7(1):48–53 (26 ref.) **(Spa)**

[Tuberculosis of the biliary system: presentation of a case and review of the literature] Arlandis Félix FJ, et al. **Rev Esp Enferm Dig** 1990 Jul;78(1):43–5 (4 ref.) (Eng. Abstr.) **(Spa)**

[Esophageal tuberculosis. Presentation of a case and review of the literature] Moreno Sánchez D, et al. **Rev Esp Enferm Dig** 1990 Oct;78(4):225–8 (24 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Treatment of tuberculosis. Lordi GM, et al. **Am Fam Physician** 1991 Jul;44(1):219–24 (15 ref.)

The use of fixed–dose combinations in antituberculous chemotherapy. Rationale for their application in daily, intermittent and pediatric regimens. Acocella G. **Bull Int Union Tuberc Lung Dis** 1990 Jun–Sep; 65(2–3):77–83 (7 ref.)

Drug resistance and tuberculosis elimination. Grange JM. **Bull Int Union Tuberc Lung Dis** 1990 Jun–Sep;65(2–3):57–9 (7 ref.)

Present and new drug regimens in chemotherapy and chemoprophylaxis of tuberculosis. Grosset J. **Bull Int Union Tuberc Lung Dis** 1990 Jun–Sep; 65(2–3):86–91 (38 ref.)

Chemoprophylaxis and chemotherapy of tuberculosis in HIV infected patients. van Deutekom H. **Bull Int Union Tuberc Lung Dis** 1990 Jun–Sep;65(2–3):84–5 (5 ref.)

Pediatric tuberculosis pyramid and its fate with and without chemotherapy/chemoprophylaxis. Udani PM. **Indian J Pediatr** 1990 Sep–Oct;57(5):627–37 (30 ref.)

Multidrug therapy for tuberculosis in children [comment] Starke JR. **Pediatr Infect Dis J** 1990 Nov;9(11):785–93 (84 ref.) Comment on: Pediatr Infect Dis J 1990 Nov;9(11):794–801. Comment on: Pediatr Infect Dis J 1990 Nov;9(11):802–6.

Dosing regimens in the treatment of tuberculosis. Blom–Bülow B. **Scand J Infect Dis Suppl** 1990;74:258–61 (12 ref.)

Drugs and drug development for chemotherapy of leprosy and tuberculosis, including M. avium infections. Seydel JK. **Trop Med Parasitol** 1990 Sep;41(3):341–3 (11 ref.)

[The "tuberculin intoxication" of 1890] Elkeles B. **Dtsch Med Wochenschr** 1990 Nov 9;115(45):1729–32 (35 ref.) **(Ger)**

[Therapy of tuberculosis] Schaberg T, et al. **Dtsch Med Wochenschr** 1990 Nov 23;115(47):1799–802 (13 ref.) **(Ger)**

[Current status of tuberculosis treatment] Cuello JA, et al. **Enferm Infecc Microbiol Clin** 1990 May;8(5):293–301 (68 ref.) **(Spa)**

EPIDEMIOLOGY

Tuberculosis in elderly persons. Stead WW, et al. **Annu Rev Med** 1991;42:267–76 (14 ref.)

Tuberculosis in the elderly: incidence, manifestations, PPD skin tests, and preventive therapy. Mallet L, et al. **DICP** 1991 Jun;25(6):650–5 (47 ref.)

Evolving concepts of the epidemiology, diagnosis, and therapy of Mycobacterium tuberculosis infection. Schweinle JE. **Yale J Biol Med** 1990 Nov–Dec; 63(6):565–79 (56 ref.)

[Tubercular disease in a general hospital. Apropos of 445 cases (see comments)] Prieto S, et al. **Enferm Infecc Microbiol Clin** 1990 May;8(5):263–9 (41 ref.) (Eng. Abstr.) Comment in: Enferm Infecc Microbiol Clin 1990 May;8(5):261–2. **(Spa)**

ETHNOLOGY

Pediatric tuberculosis in immigrants to the United Kingdom from the Indian sub–continent. Snell NJ. **Indian J Pediatr** 1990 Sep–Oct;57(5):645–50 (19 ref.)

ETIOLOGY

Mycobacterial infection after renal transplantation—report of 14 cases and review of the literature. Qunibi WY, et al. **Q J Med** 1990 Oct;77(282):1039–60 (96 ref.)

GENETICS

Population and molecular genetics of susceptibility to tuberculosis. Skamene E. **Clin Invest Med** 1991 Apr; 14(2):160–6 (31 ref.)

IMMUNOLOGY

Cooperative studies on the immunology of tuberculosis at Airlangga University, Surabaya, Indonesia. Kardjito T, et al. **Asian Pac J Allergy Immunol** 1990 Dec;8(2):141–6 (33 ref.)

The immune response to Mycobacterium tuberculosis. Munk ME, et al. **Behring Inst Mitt** 1991 Feb;(88):27–35 (98 ref.)

What mediates the immunopathological component of the immune response to Mycobacterium tuberculosis? Can it be switched off? Rook GA, et al. **Bull Int Union Tuberc Lung Dis** 1990 Jun–Sep;65(2–3):23–6 (23 ref.)

The macrophage in tuberculosis: sinner or saint? The T cell decides. Kaufmann SH. **Pathobiology** 1991;59(3):153–5 (19 ref.)

New insights into the immunopathology of tuberculosis. Rook GA, et al. **Pathobiology** 1991;59(3):148–52 (23 ref.)

Role of HLA linked factors in governing susceptibility to leprosy and tuberculosis. Mehra NK. **Trop Med Parasitol** 1990 Sep;41(3):352–4 (7 ref.)

Genetics of tuberculosis susceptibility. Pitchappan RM. **Trop Med Parasitol** 1990 Sep;41(3):355–6 (7 ref.)

Cytokines and the Koch phenomenon. Rook GA, et al. **Tubercle** 1991 Mar;72(1):13–20 (50 ref.)

[The immunology of tuberculosis and human immunodeficiency virus] Nicod L. **Rev Mal Respir** 1991; 8(3):277–81 (43 ref.) (Eng. Abstr.) **(Fre)**

[Morphological manifestations of secondary immunodeficiency] Erokhin VV, et al. **Probl Tuberk** 1990; (6):65–70 (63 ref.) **(Rus)**

MICROBIOLOGY

Nucleic acid based methods for detection of mycobacteria. Terpstra WJ. **Bull Int Union Tuberc Lung Dis** 1990 Jun–Sep;65(2–3):63–6 (9 ref.)

PHYSIOPATHOLOGY

The beneficial effects of localized tumor necrosis factor production in BCG infection. Kindler V, et al. **Behring Inst Mitt** 1991 Feb;(88):120–4 (26 ref.)

Immunology of the lung in HIV infection: the pathophysiologic basis for the development of tuberculosis in the AIDS setting. Rose RM. **Bull Int Union Tuberc Lung Dis** 1991 Mar;66(1):15–20 (31 ref.)

PREVENTION & CONTROL

Drug resistance and tuberculosis elimination. Grange JM. **Bull Int Union Tuberc Lung Dis** 1990 Jun–Sep;65(2–3):57–9 (7 ref.)

Recent developments in molecular biology of mycobacteria. Grange JM. **Bull Int Union Tuberc Lung Dis** 1990 Jun–Sep; 65(2–3):19–23 (21 ref.)

A modern approach to the immunotherapy of tuberculosis. Stanford JL, et al. **Bull Int Union Tuberc Lung Dis** 1990 Jun–Sep;65(2–3):27–9 (17 ref.)

First experience with BCG discontinuation in Europe. BCG vaccination and HIV infection. ten Dam HG. **Bull Int Union Tuberc Lung Dis** 1990 Jun–Sep;65(2–3):38–9 (16 ref.)

Biological safety cabinetry. Kruse RH, et al. **Clin Microbiol Rev** 1991 Apr;4(2):207–41 (224 ref.)

The role of BCG vaccine in tuberculosis control. Gheorghiu M. **Indian J Pediatr** 1990 Sep–Oct;57(5):651–5 (10 ref.)

Vaccines against tuberculosis: the impact of modern biotechnology. Kaufmann SH. **Scand J Infect Dis Suppl** 1990;76:54–9 (14 ref.)

Tuberculosis in developing countries and methods for its control. Rodrigues LC, et al. **Trans R Soc Trop Med Hyg** 1990 Sep–Oct;84(5):739–44 (28 ref.)

Mycobacterium vaccae in immunoprophylaxis and immunotherapy of leprosy and tuberculosis. Stanford JL, et al. **Vaccine** 1990 Dec;8(6):525–30 (45 ref.)

TRANSMISSION

Infectiousness of tuberculosis. Clancy L. **Bull Int Union Tuberc Lung Dis** 1990 Jun–Sep;65(2–3):70 (6 ref.)

VETERINARY

Tuberculosis in deer: a review. Clifton-Hadley RS, et al. **Vet Rec** 1991 Jul 6;129(1):5–12 (125 ref.)

TUBERCULOSIS, CARDIOVASCULAR

COMPLICATIONS

Valvular tuberculous endocarditis: a case report and review of the literature. Cope AP, et al. **J Infect** 1990 Nov; 21(3):293–6 (12 ref.)

TUBERCULOSIS, CUTANEOUS

[Focus on tuberculids] Zukervar P, et al. **Ann Dermatol Venereol** 1991;118(5):405–9 (21 ref.) **(Fre)**

CLASSIFICATION

[Cutaneous tuberculosis, a forgotten disease?] Piérard GE, et al. **Rev Med Liege** 1990 Sep;45(9):413–21 (46 ref.) **(Fre)**

DIAGNOSIS

[Bazin's erythema induratum: obsolete concept and terminology] Cribier B, et al. **Ann Dermatol Venereol** 1990; 117(12):937–43 (52 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

[Mycobacterium kansasii extensive subcutaneous infection in dermatomyositis (letter)] Algayrès JP, et al. **Ann Med Interne (Paris)** 1990;141(7):633–5 (15 ref.) **(Fre)**

PATHOLOGY

Papulonecrotic tuberculid in a 9-year-old American girl: case report and review of the literature. Sloan JB, et al. **Pediatr Dermatol** 1990 Sep;7(3):191–5 (35 ref.)

Tuberculosis cutis miliaris disseminata as a manifestation of miliary tuberculosis: literature review and report of a case of recurrent skin lesions. Rietbroek RC, et al. **Rev Infect Dis** 1991 Mar–Apr;13(2):265–9 (18 ref.)

TUBERCULOSIS, FEMALE GENITAL

COMPLICATIONS

Genital tuberculosis and subsequent fertility. Varma TR. **Int J Gynaecol Obstet** 1991 May;35(1):1–11 (38 ref.)

TUBERCULOSIS, GASTROINTESTINAL

COMPLICATIONS

Tuberculous appendicitis with perforation. al-Hilaly MA, et al. **Br J Clin Pract** 1990 Dec;44(12):632–3 (7 ref.)

[Intestinal perforation occurring at the beginning of treatment: a severe complication of bacillary tuberculosis] Doré P, et al. **Rev Pneumol Clin** 1990;46(2):49–54 (33 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Tuberculosis of the esophagus. Eng J, et al. **Dig Dis Sci** 1991 Apr;36(4):536–40 (42 ref.)

TUBERCULOSIS, HEPATIC

COMPLICATIONS

Focal hepatic tuberculosis in a patient with acquired immunodeficiency syndrome. Kielhofner MA, et al. **South Med J** 1991 Mar;84(3):401–4 (41 ref.)

[Portal hypertension in hepatic tuberculosis] Laraki R, et al. **Rev Med Interne** 1989 Sep–Oct;10(5):467–9 (14 ref.) **(Fre)**

TUBERCULOSIS, LYMPH NODE

COMPLICATIONS

[Primary mediastinal tuberculosis associated with esophageal fistula (letter)] Jiménez I, et al. **Enferm Infecc Microbiol Clin** 1989 Jun–Jul;7(6):337–8 (9 ref.) **(Spa)**

TUBERCULOSIS, MENINGEAL

DIAGNOSIS

New approaches to the diagnosis of tuberculosis in childhood with special reference to neurotuberculosis. Grange JM. **Indian J Pediatr** 1990 Sep–Oct;57(5):639–44 (26 ref.)

Diagnosis of neurotuberculosis. Wagle NM, et al. **Indian J Pediatr** 1990 Sep–Oct;57(5):657–66 (69 ref.)

Tuberculous meningitis. Leonard JM, et al. **Infect Dis Clin North Am** 1990 Dec;4(4):769–87 (78 ref.)

DRUG THERAPY

An overview of the use of anti-tuberculous drugs in Uganda and Hong Kong. Walubo A, et al. **J Clin Pharm Ther** 1991 Feb;16(1):63–7 (11 ref.)

URINE

[Hypervasopressinism during tuberculous meningitis] Sebbag L, et al. **Rev Mal Respir** 1991;8(3):311–2 (10 ref.) (Eng. Abstr.) **(Fre)**

TUBERCULOSIS, MILIARY

COMPLICATIONS

Valvular tuberculous endocarditis: a case report and review of the literature. Cope AP, et al. **J Infect** 1990 Nov; 21(3):293–6 (12 ref.)

PATHOLOGY

Tuberculosis cutis miliaris disseminata as a manifestation of miliary tuberculosis: literature review and report of a case of recurrent skin lesions. Rietbroek RC, et al. **Rev Infect Dis** 1991 Mar–Apr;13(2):265–9 (18 ref.)

TUBERCULOSIS, OSTEOARTICULAR

[Septic arthritis in children] Coll MD, et al. **Cir Pediatr** 1989 Jan;2(1):10–2 (11 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[A case of tuberculoma of the orbit with sphenoidal origin] Van Effenterre G, et al. **J Fr Ophtalmol** 1990;13(1–2):62–8 (26 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

[Bacillary trochanteritis. Apropos of 30 cases] Franceschi JP, et al. **Rev Rhum Mal Osteoartic** 1991 Jun;58(6):433–9 (12 ref.) (Eng. Abstr.) **(Fre)**

TUBERCULOSIS, PERITONEAL

COMPLICATIONS

[Tuberculous peritonitis. Description of 2 cases associated with another infection and literature review] Arend P, et al. **Acta Gastroenterol Belg** 1990 May–Jun;53(3):307–14 (18 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Nontuberculous mycobacterial peritonitis during continuous ambulatory peritoneal dialysis: case report and review of diagnostic and therapeutic strategies. Dunmire RB 3d, et al. **Am J Kidney Dis** 1991 Jul;18(1):126–30 (25 ref.)

TUBERCULOSIS, PLEURAL

DIAGNOSIS

[The usefulness and limitations of adenosine deaminase in the diagnosis of tubercular pleurisy. A meta-analytical study] Ena J, et al. **Med Clin (Barc)** 1990 Sep 22;95(9):333–5 (28 ref.) (Eng. Abstr.) **(Spa)**

TUBERCULOSIS, PULMONARY

see related

PNEUMONECTOMY

Endobronchial tuberculosis in children. A case report and review. Wood GS, et al. **Int J Pediatr Otorhinolaryngol** 1990 Dec;20(3):241–5 (13 ref.)

[Problems of chronic excreters in pulmonary tuberculosis] Zhang Y. **Chung Hua Chieh Ho Ho Hu Hsi Tsa Chih** 1990 Jun;13(3):170–3 (23 ref.) **(Chi)**

[Pulmonary infection with Mycobacterium szulgai] Auperin I, et al. **Rev Mal Respir** 1991;8(3):295–8 (7 ref.) (Eng. Abstr.) **(Fre)**

[The sequelae of tuberculosis] Shimamura K. **Kekkaku** 1990 Jul;65(7):451–5 (16 ref.) (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Tuberculosis and HIV disease. Johnson MP, et al. **AIDS Clin Rev** 1991;:109–26 (46 ref.)

The impact of human immunodeficiency virus infection on tuberculosis and its control. FitzGerald JM, et al. **Chest** 1991 Jul;100(1):191–200 (101 ref.)

Localized Aspergillus infestation in primary lung carcinoma. Clinical and pathological contrasts with post-tuberculous intracavitary aspergilloma. Smith FB, et al. **Chest** 1991 Aug;100(2):554–6 (12 ref.)

Mycobacterial disease associated with HIV infection. Beck K. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S19–23 (29 ref.)

Cursed duet: HIV infection and tuberculosis. Murray JF. **Respiration** 1990;57(3):210–20 (58 ref.)

[Tuberculosis and acute respiratory insufficiency. Apropos of 2 cases] Vergnenegre A, et al. **Rev Mal Respir** 1991; 8(1):110–4 (17 ref.) (Eng. Abstr.) **(Fre)**

[A case of mid-esophageal diverticulum with mucosal bridge caused by tuberculosis of the apex of the right lung] Shikiya K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Mar; 88(3):724–9 (33 ref.) **(Jpn)**

[Causes and mechanisms of the development of chronic cor pulmonale in patients with tuberculosis and chronic nonspecific diseases of the lungs] Mar'iandyshev AO. **Probl Tuberk** 1991;(4):70–3 (69 ref.) **(Rus)**

[Social and clinical aspects of caseous pneumonia] Polushkina EE, et al. **Probl Tuberk** 1991;(1):50–2 (17 ref.) **(Rus)**

[Lung lesions caused by opportunistic fungi in patients with tuberculosis of the respiratory organs] Solov'eva TN. **Probl Tuberk** 1990;(9):67–9 (43 ref.) **(Rus)**

[The characteristics of the opportunistic infections associated with AIDS: tuberculosis and toxoplasmosis] Gatell JM. **Rev Clin Esp** 1990 May;186(8):405–6 (30 ref.) **(Spa)**

DIAGNOSIS

Tuberculosis and the atypical pneumonia syndrome. Mangura BT, et al. **Clin Chest Med** 1991 Jun;12(2):349–62 (84 ref.)

[Bronchial tuberculosis. Report of 4 cases] Gadiolet Y, et al. **Rev Pneumol Clin** 1990;46(3):109–13 (31 ref.) (Eng. Abstr.) **(Fre)**

[Pathomorphosis and its significance in the diagnosis of tuberculosis and nonspecific diseases of the lungs] Pilipchuk VN, et al. **Klin Med (Mosk)** 1990 Oct;68(10):60–3 (8 ref.) (Eng. Abstr.) **(Rus)**

[Current state and trends in the development of differential diagnosis of disseminated processes and spherical formations in the lungs based on scientific analysis of documented information flow] Matusevich VG, et al. **Probl Tuberk** 1991;(3):69–70 (9 ref.) **(Rus)**

[An endobronchial mass as the presentation of tuberculosis. A report of 3 cases and review of the literature] Valdés Cuadrado L, et al. **An Med Interna** 1989 Dec;6(12):643–5 (23 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Multidrug therapy for tuberculosis in children [comment] Starke JR. **Pediatr Infect Dis J** 1990 Nov;9(11):785–93 (84 ref.) Comment on: Pediatr Infect Dis J 1990 Nov;9(11):794–801. Comment on: Pediatr Infect Dis J 1990 Nov;9(11):802–6.

Endobronchial tuberculosis—is corticosteroid treatment useful? A report of 8 cases and review of the literature. Chan HS, et al. **Postgrad Med J** 1990 Oct;66(780):822–6 (19 ref.)

[Effect of chemotherapy on infectiousness of pulmonary tuberculosis] Chen SH. **Chung Hua Chieh Ho Ho Hu Hsi Tsa Chih** 1990 Aug; 13(4):239–41 (22 ref.) **(Chi)**

[Pharmacokinetic aspects of tuberculosis therapy with a fixed combination of rifampicin, isoniazide and pyrazinamide] Schaberg T, et al. **Z Gesamte Inn Med** 1991 Jun;46(8):276–9 (17 ref.) (Eng. Abstr.) **(Ger)**

[The use of antioxidants and antihypoxants in tuberculosis (a review of the literature)] Skakun NP. **Vrach Delo** 1991 Mar;(3):52–6 (25 ref.) **(Rus)**

TUBERCULOSIS, PULMONARY

EPIDEMIOLOGY

The changing epidemiology of tuberculosis and other mycobacterial infections in the United States: implications for the radiologist. Buckner CB, et al. **AJR Am J Roentgenol** 1991 Feb;156(2):255–64 (43 ref.)

[Tuberculosis and mycobacteriosis in HIV–1 infection] Rosci MA, et al. **Recenti Prog Med** 1990 Jan;81(1):9–17 (80 ref.) (Eng. Abstr.) **(Ita)**

[Pulmonary disease caused by opportunistic environmental mycobacteria. Review of 35 cases] Hernández Flix S, et al. **Med Clin (Barc)** 1990 Jun 9;95(2):53–6 (26 ref.) (Eng. Abstr.) **(Spa)**

[Tuberculosis and AIDS. The situation in Spain. The outlook (editorial)] de March Ayuela P. **Rev Clin Esp** 1990 May; 186(8):365–8 (87 ref.) **(Spa)**

IMMUNOLOGY

Delayed–type hypersensitivity and cell–mediated immunity in the pathogenesis of tuberculosis. Dannenberg AM Jr. **Immunol Today** 1991 Jul;12(7):228–33 (42 ref.)

Host determinants of susceptibility to Mycobacterium tuberculosis. Sifford M, et al. **Semin Respir Infect** 1991 Mar; 6(1):44–50 (39 ref.)

Genetics of tuberculosis susceptibility. Pitchappan RM. **Trop Med Parasitol** 1990 Sep;41(3):355–6 (7 ref.)

MICROBIOLOGY

[Mycobacterium fortuitum in patients with chronic renal insufficiency: apropos of 2 cases] Viguera J, et al. **Enferm Infecc Microbiol Clin** 1990 May;8(5):286–8 (17 ref.) (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Return of tuberculosis: screening and preventive therapy [see comments] Dowling PT. **Am Fam Physician** 1991 Feb; 43(2):457–67 (34 ref.) Comment in: Am Fam Physician 1991 Feb;43(2):448.

Towards new leprosy and tuberculosis vaccines. Kaufmann S. **Microbiol Sci** 1987 Nov;4(11):324–8 (38 ref.)

[The anti–tuberculosis campaign throughout the world: strategies and actions in the field] Chaulet P. **Respiration** 1990;57(3):145–59 (57 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Multiple primary carcinomas as sequelae of treatment of pulmonary tuberculosis with repeated induced pneumothoraces. Case report and review of the literature. Solan MJ. **Am J Clin Oncol** 1991 Feb;14(1):49–51 (25 ref.)

THERAPY

[Sorption detoxification in the treatment of patients with tuberculosis] Pidufala GR. **Vrach Delo** 1991 Jun;(6):25–8 (21 ref.) **(Rus)**

TRANSMISSION

[Contacts of children with tuberculous patients] Castan Vidal ML, et al. **An Esp Pediatr** 1991 Feb;34(2):129–31 (20 ref.) (Eng. Abstr.) **(Spa)**

TUBERCULOSIS, SPINAL

DIAGNOSIS

Pott's disease in urban populations. A report of five cases and a review of the literature [see comments] Ellinas PA, et al. **N Y State J Med** 1990 Dec;90(12):588–91 (20 ref.) Comment in: N Y State J Med 1990 Dec;90(12):585–6.

RADIOGRAPHY

Pott's disease of the cervical spine. Slater RR Jr, et al. **South Med J** 1991 Apr;84(4):521–3 (22 ref.)

TUBERCULOSIS, UROGENITAL

THERAPY

Progress in the approach of tuberculosis of the genitourinary tract: remarks on a decade's experience over cases. Poulios C, et al. **Acta Urol Belg** 1990;58(3):101–23 (55 ref.)

TUBERCULOSIS VACCINES see **BCG VACCINE**

TUBERCULOSTATIC AGENTS see **ANTITUBERCULAR AGENTS**

TUBEROUS SCLEROSIS

COMPLICATIONS

Incidence of tuberous sclerosis in patients with cardiac rhabdomyoma. Harding CO, et al. **Am J Med Genet** 1990 Dec;37(4):443–6 (26 ref.)

Two unusual tumours of the gastrointestinal tract in a patient with tuberous sclerosis. Byard RW, et al. **J Paediatr Child Health** 1991 Apr;27(2):116–9 (20 ref.)

Disorders of hypopigmentation in children. Pinto FJ, et al. **Pediatr Clin North Am** 1991 Aug;38(4):991–1017 (55 ref.)

Malignant renal tumors in tuberous sclerosis. Washecka R, et al. **Urology** 1991 Apr;37(4):340–3 (24 ref.)

DIAGNOSIS

[Tuberous sclerosis] Rubio Barbón S, et al. **Med Clin (Barc)** 1991 May 25;96(20):784–7 (65 ref.) **(Spa)**

EMBRYOLOGY

Cell lineage and cell migration in the neural crest. Lallier TE. **Ann N Y Acad Sci** 1991;615:158–71 (63 ref.)

GENETICS

The hexabrachion gene as a candidate for a tuberous sclerosis gene. Gulcher J, et al. **Ann N Y Acad Sci** 1991;615:220–7 (45 ref.)

PATHOLOGY

International tuberous sclerosis conference [editorial] Roach ES. **J Child Neurol** 1990 Oct;5(4):269–72 (38 ref.)

TUBULIN

BIOSYNTHESIS

Hyperammonemia induces brain tubulin. Miñana MD, et al. **Adv Exp Med Biol** 1990;272:65–80 (30 ref.)

Increased expression of the major embryonic alpha–tubulin mRNA, T alpha 1, during neuronal regeneration, sprouting, and in Alzheimer's disease. Miller FD, et al. **Prog Brain Res** 1990;86:321–30 (35 ref.)

CHEMISTRY

Preparation of marked microtubules for the assay of the polarity of microtubule–based motors by fluorescence. Hyman AA. **J Cell Sci Suppl** 1991;14:125–7 (15 ref.)

GENETICS

Analysis of beta–tubulin sequences reveals highly conserved, coordinated amino acid substitutions. Evidence that these 'hot spots' are directly involved in the conformational change required for dynamic instability. Burns RG, et al. **FEBS Lett** 1990 Oct 1;271(1–2):1–8 (182 ref.)

Yeast tubulin genes. Yanagida M. **Microbiol Sci** 1987 Apr; 4(4):115–8 (21 ref.)

METABOLISM

Acetaldehyde and microtubules. Tuma DJ, et al. **Ann N Y Acad Sci** 1991;625:786–92 (37 ref.)

Stabilization of post–translational modification of microtubules during cellular morphogenesis. Bulinski JC, et al. **Bioessays** 1991 Jun;13(6):285–93 (57 ref.)

Tubulin sulfhydryl groups as probes and targets for antimitotic and antimicrotubule agents. Luduena RF, et al. **Pharmacol Ther** 1991;49(1–2):133–52 (110 ref.)

PHYSIOLOGY

Dynamic features of microtubules as visualized by dark–field microscopy. Hotani H, et al. **Adv Biophys** 1990;26:135–56 (37 ref.)

Functions of tubulin isoforms. Murphy DB. **Curr Opin Cell Biol** 1991 Feb;3(1):43–51 (37 ref.)

ULTRASTRUCTURE

Structural diversity and dynamics of microtubules and polymorphic tubulin assemblies. Unger E, et al. **Electron Microsc Rev** 1990;3(2):355–95 (262 ref.)

TUBULOINTERSTITIAL NEPHRITIS see **NEPHRITIS, INTERSTITIAL**

TUFTSIN

IMMUNOLOGY

A thymosin–tuftsin conjugate as a new potential immunomodulator in cattle. Khansari DN, et al. **Adv Vet Sci Comp Med** 1990;35:161–77 (56 ref.)

TULAREMIA

EPIDEMIOLOGY

Plague and tularemia. Craven RB, et al. **Infect Dis Clin North Am** 1991 Mar;5(1):165–75 (20 ref.)

[The Ockelbo disease, nephropathia epidemica and tularemia. A great deal is known about the infectious diseases in the north—but quite a few question–marks are left] Tärnvik A. **Lakartidningen** 1991 Jul 24;88(30–31):2515–8 (15 ref.) **(Swe)**

TUMESCENCE, PENILE see **PENILE ERECTION**

TUMOR ANTIBODIES see **ANTIBODIES, NEOPLASM**

TUMOR ANTIGENS see **ANTIGENS, NEOPLASM**

TUMOR ANTIGENS, VIRAL see **ANTIGENS, VIRAL, TUMOR**

TUMOR–ASSOCIATED CARBOHYDRATE ANTIGENS see **ANTIGENS, TUMOR–ASSOCIATED, CARBOHYDRATE**

TUMOR CELLS, CULTURED

see related
DRUG SCREENING ASSAYS, ANTITUMOR

Human intestinal cell lines as in vitro tools for electrolyte transport studies with relevance to secretory diarrhoea. Nath SK, et al. **J Diarrhoeal Dis Res** 1990 Dec;8(4):133–42 (53 ref.)

DRUG EFFECTS

Can human small–cell lung cancer cell lines be applied for optimizing chemotherapy? Roed H, et al. **Cancer Treat Res** 1989;45:151–72 (80 ref.)

Mechanisms of multidrug resistance in human tumor cells. The roles of P–glycoprotein, DNA topoisomerase II, and other factors. Beck WT. **Cancer Treat Rev** 1990 Dec;17 Suppl A:11–20 (70 ref.)

Morphologic alterations in drug sensitive vs. drug resistant cells due to cytostatic application. Dietel M, et al. **Cancer Treat Rev** 1990 Dec;17 Suppl A:3–10 (46 ref.)

Ether lipids and derivatives as investigational anticancer drugs. A brief review. Berdel WE. **Onkologie** 1990 Aug; 13(4):245–50 (71 ref.)

Vinorelbine (Navelbine). A new semisynthetic vinca alkaloid. Krikorian A, et al. **Onkologie** 1991 Feb;14(1):7–12 (22 ref.)

Pharmacology of drugs that alter multidrug resistance in cancer. Ford JM, et al. **Pharmacol Rev** 1990 Sep; 42(3):155–99 (382 ref.)

[In vitro effects and possible clinical relevance of interleukin 3] Zwierzina H, et al. **Acta Med Austriaca** 1991;18(1):24–7 (26 ref.) (Eng. Abstr.) **(Ger)**

[Iodo–doxorubicin, a new anthracycline derivative. Current state of progress] Mross KB, et al. **Onkologie** 1990 Oct; 13(5):346–51 (35 ref.) (Eng. Abstr.) **(Ger)**

[Mechanisms of resistance to DNA topoisomerase II inhibitors] Kohno K, et al. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1568–73 (16 ref.) (Eng. Abstr.) **(Jpn)**

[Combination cancer chemotherapy using a DNA topoisomerase inhibitor CPT–11, as a core agent—the in vitro evaluation] Oguro M, et al. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1556–61 (15 ref.) (Eng. Abstr.) **(Jpn)**

[Mechanisms of acquired resistance to DNA topoisomerase I inhibitors] Okada K, et al. **Gan To Kagaku Ryoho** 1991 Aug;18(10):1562–7 (27 ref.) (Eng. Abstr.) **(Jpn)**

[Transforming growth factor beta—a new type of inhibitor of proliferation of normal and tumor cells] Stoĭka RS, et al. **Mol Biol (Mosk)** 1990 Jul–Aug;24(4):897–908 (104 ref.) (Eng. Abstr.) **(Rus)**

[Antineoplastic agents as inducers of tumor cell differentiation] Belousova AK. **Vopr Med Khim** 1991 Mar–Apr;37(2):10–4 (48 ref.) **(Rus)**

IMMUNOLOGY

Tumoricidal effector molecules of murine macrophages. Schwamberger G, et al. **Pathobiology** 1991;59(4):248–53 (50 ref.)

Monocyte–mediated growth control and the induction of tumor cell death. van der Bosch J, et al. **Pathobiology** 1991; 59(4):243–7 (25 ref.)

METABOLISM

Taurine transport and cell volume regulation in a mammalian cell. Lambert IH, et al. **Prog Clin Biol Res** 1990;351:267–76 (26 ref.)

PATHOLOGY

Human neuroblastoma cells in culture: a model for neuronal cell differentiation and function. Påhlman S, et al. **Acta Physiol Scand Suppl** 1990;592:25–37 (63 ref.)

Three–dimensional histoculture: origins and applications in cancer research. Hoffman RM. **Cancer Cells** 1991 Mar; 3(3):86–92 (75 ref.)

Application of confocal scanning laser microscopy in experimental pathology. Smith GJ, et al. **J Electron Microsc Tech** 1991 May;18(1):38–49 (44 ref.)

The role of macrophages in the regulation of primary tumor growth. Walter S, et al. **Pathobiology** 1991;59(4):239–42 (25 ref.)

[Experimental models for hepatic metastases from colorectal tumors] Panis Y, et al. **Ann Chir** 1991;45(3):222–8 (97 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Immortalized neurons derived from tumors in transgenic mice [news] Calof AL. **Trends Neurosci** 1991 Jan;14(1):1–3 (21 ref.)

[PDGF, EGF and TGF–alpha. Promoters of cancer growth and wound healing] Uhl D. **Med Monatsschr Pharm** 1991 May;14(5):130–1 (3 ref.) **(Ger)**

RADIATION EFFECTS

Effects of feeder cells on the X–ray sensitivity of human colon cancer cells. Leith JT, et al. **Radiother Oncol** 1991 May;21(1):53–9 (24 ref.)

TUMOR CELLS, EMBOLIC see **NEOPLASM CIRCULATING CELLS**

TUMOR-DERIVED ACTIVATED CELLS see **LYMPHOCYTES, TUMOR-INFILTRATING**

TUMOR-INFILTRATING LYMPHOCYTES see **LYMPHOCYTES, TUMOR-INFILTRATING**

TUMOR INITIATORS see **CARCINOGENS**

TUMOR LYSIS SYNDROME

see related
TUMOR NECROSIS FACTOR

TUMOR MARKERS, BIOCHEMICAL see **TUMOR MARKERS, BIOLOGICAL**

TUMOR MARKERS, BIOLOGICAL

Prostate specific antigen. A review. Brawer MK. **Acta Oncol** 1991;30(2):161–8 (41 ref.)
A review of the role of established tumour markers. Beastall GH, et al. **Ann Clin Biochem** 1991 Jan;28 (Pt 1):5–18 (66 ref.)
Advances in the use of tumor markers. Schwartz MK. **Compr Ther** 1990 Nov;16(11):51–7 (11 ref.)
Chromogranin A: its role in endocrine function and as an endocrine and neuroendocrine tumor marker. Deftos LJ. **Endocr Rev** 1991 May;12(2):181–7 (55 ref.)
Serum and tissue banks for biological markers. Whiteside TL, et al. **Immunol Ser** 1990;53:55–68 (20 ref.)
Mucinic tumor markers recognized by monoclonal antibodies. Seregni E, et al. **J Nucl Med Allied Sci** 1990 Oct–Dec;34(4):314–20 (31 ref.)
Prostate specific antigen: a critical assessment of the most useful tumor marker for adenocarcinoma of the prostate. Oesterling JE. **J Urol** 1991 May;145(5):907–23 (112 ref.)
The bcl–2 gene and 14;18 translocation in lymphoproliferative disorders. Pezzella F, et al. **Nouv Rev Fr Hematol** 1990;32(6):397–9 (14 ref.)
Prostate-specific antigen and prostatic acid phosphatase: biomolecular and physiologic characteristics. Bilhartz DL, et al. **Urology** 1991 Aug;38(2):95–102 (83 ref.)
[Value and limitations of neoplasm markers in the diagnosis of pancreatic carcinoma] Fabris C, et al. **Recenti Prog Med** 1991 Mar;82(3):166–72 (34 ref.) (Eng. Abstr.) **(Ita)**
[Present status of tumor markers] Hirai H. **Hum Cell** 1988 Mar;1(1):1–9 (70 ref.) (Eng. Abstr.) **(Jpn)**
[Recent progress in polyamine research] Ohsawa N. **Hum Cell** 1990 Jun;3(2):91–8 (4 ref.) (Eng. Abstr.) **(Jpn)**
[Urothelial tumor markers: update] de Castro F, et al. **Rev Med Univ Navarra** 1990 Jul–Sep;34(3):167–71 (36 ref.) (Eng. Abstr.) **(Spa)**

ANALYSIS

Neuroendocrine markers in pathology. Heitz PU. **Acta Histochem Suppl** 1990;38:35–43 (40 ref.)
Neural and endocrine markers as diagnostic tools in pancreatic and gastrointestinal endocrine tumors. Klöppel G, et al. **Acta Histochem Suppl** 1990;38:93–8 (23 ref.)
Biological, biochemical and morphological markers of breast disorders and of breast cancer. Leathem AJ. **Acta Histochem Suppl** 1990;40:51–8 (41 ref.)
Synaptophysin. A widespread constituent of small neuroendocrine vesicles and a new tool in tumor diagnosis. Wiedenmann B. **Acta Oncol** 1991;30(4):435–40 (52 ref.)
Immunologic classification of acute lymphoblastic leukemia. Cabrera ME. **Am J Pediatr Hematol Oncol** 1990 Fall; 12(3):283–91 (73 ref.)
Biochemical markers in gastrointestinal malignancies. Cooper EH, et al. **Arq Gastroenterol** 1989 Oct–Dec;26(4):131–40 (42 ref.)
c–erbB–2 oncogene as a prognostic marker in breast cancer [editorial] Perren TJ. **Br J Cancer** 1991 Mar;63(3):328–32 (50 ref.)
Prostatic specific antigen. Shearer RJ. **Br J Urol** 1991 Jan; 67(1):1–5 (28 ref.)
DNA ploidy and prostate-specific antigen as prognostic factors in clinically resectable prostate cancer. Badalament RA, et al. **Cancer** 1991 Jun 15;67(12):3014–23 (51 ref.)
The pS2 gene, mRNA, and protein: a potential marker for human breast cancer. Rio MC, et al. **Cancer Cells** 1990 Aug–Sep;2(8–9):269–74 (46 ref.)
Role of early diagnosis and screening; biomarkers. Miller AB. **Cancer Detect Prev** 1991;15(1):21–6 (20 ref.)
Oncogenes as clinical prognostic indicators. Sunderland MC, et al. **Cancer Treat Res** 1991;53:3–22 (102 ref.)
Clinical correlation of tumor endocrine markers in lung cancer. Teeling M, et al. **Cancer Treat Res** 1989;45:137–49 (51 ref.)
Primary CNS malignant rhabdoid tumor (MRT): report of two cases and review of literature. Chou SM, et al. **Clin Neuropathol** 1991 Jan–Feb;10(1):1–10 (25 ref.)
Paraneoplastic syndromes and tumor markers for small cell and non–small cell lung cancer. Hansen M. **Curr Opin Oncol** 1990 Apr;2(2):345–51 (18 ref.)
Tissue tumor markers in the gastrointestinal tract. Mazzoleni G, et al. **Curr Opin Oncol** 1990 Aug;2(4):700–10 (41 ref.)
Immunohistology of renal carcinomas. Holthöfer H. **Eur Urol** 1990;18 Suppl 2:15–6 (9 ref.)
Tumor markers in gynecologic oncology. Daunter B. **Gynecol Oncol** 1990 Oct;39(1):1–15 (212 ref.)
Macromolecular adducts and related biomarkers in biomonitoring and epidemiology of complex exposures. Perera F, et al. **IARC Sci Publ** 1990;(104):164–80 (53 ref.)
Immunoglobulins in diagnosis and monitoring of neoplasia. Bergsagel DE, et al. **Immunol Ser** 1990;53:501–19 (80 ref.)
Markers of central nervous system tumors. Birkmayer GD. **Immunol Ser** 1990;53:317–22 (32 ref.)
Placental proteins as tumor markers. Braunstein GD. **Immunol Ser** 1990;53:673–701 (210 ref.)
Prostate cancer–associated markers. Chu TM. **Immunol Ser** 1990;53:339–56 (71 ref.)
Acute phase reactant proteins. Cooper EH. **Immunol Ser** 1990;53:521–36 (72 ref.)
Immunodiagnosis of renal cell carcinoma. Ebert T, et al. **Immunol Ser** 1990;53:469–83 (97 ref.)
Enhanced detection systems for enzyme–linked heterogeneous immunoassays: luminescence. Edwards JC, et al. **Immunol Ser** 1990;53:95–106 (39 ref.)
Mucin glycoproteins as tumor markers. Feller WF, et al. **Immunol Ser** 1990;53:631–72 (299 ref.)
Biological, molecular, and clinical markers for the diagnosis and typing of lung cancer. Gazdar AF, et al. **Immunol Ser** 1990;53:453–68 (72 ref.)
Immunodiagnosis of acute nonlymphocytic leukemia. Hurwitz CA, et al. **Immunol Ser** 1990;53:265–87 (126 ref.)
Immunodiagnosis of ovarian tumors. Jacobs I, et al. **Immunol Ser** 1990;53:323–38 (111 ref.)
Uterine tumors. Kato H. **Immunol Ser** 1990;53:385–95 (56 ref.)
Strategies for heterogeneous enzyme immunoassays for tumor markers. King WJ, et al. **Immunol Ser** 1990;53:83–93 (30 ref.)
Fibronectin. Liwnicz BH, et al. **Immunol Ser** 1990;53:537–54 (149 ref.)
Use of multiple markers to enhance clinical utility. Mercer DW. **Immunol Ser** 1990;53:39–54 (55 ref.)
Bone tumors. Schwartz MK. **Immunol Ser** 1990;53:423–30 (30 ref.)
Thyroid tumors. Seesko HG, et al. **Immunol Ser** 1990; 53:431–52 (133 ref.)
Recent diagnostic modalities for bladder cancer. Sheinfeld J, et al. **Immunol Ser** 1990;53:485–97 (53 ref.)
Pancarcinoma T and Tn epitopes: autoimmunogens and diagnostic markers that reveal incipient carcinomas and help establish prognosis. Springer GF, et al. **Immunol Ser** 1990;53:587–612 (137 ref.)
Immune complexes and malignancy. Vlock DR. **Immunol Ser** 1990;53:555–86 (252 ref.)
Markers for hepatocellular carcinoma. Wu AH, et al. **Immunol Ser** 1990;53:403–22 (90 ref.)
Oncogene proteins as biomarkers in the molecular epidemiology of occupational carcinogenesis. The example of the ras oncogene–encoded p21 protein. Brandt–Rauf PW. **Int Arch Occup Environ Health** 1991;63(1):1–8 (43 ref.)
In vivo and in vitro clinical applications of monoclonal antibodies against TAG–72. Colcher D, et al. **Int J Rad Appl Instrum [B]** 1991;18(4):395–401 (46 ref.)
Quantitative fluorescence image analysis in bladder cancer screening. Hemstreet GP 3d, et al. **J Occup Med** 1990 Sep; 32(9):822–8 (37 ref.)
Human chorionic gonadotropin expression by bladder cancers: biology and clinical potential. Iles RK, et al. **J Urol** 1991 Mar;145(3):453–8 (65 ref.)
Diagnosis of digestive tract cancer using cDNA probe and monoclonal antibody. Imai K. **Jpn J Med** 1990 Nov–Dec; 29(6):659–61 (7 ref.)
The present role of prostatic specific antigen (PSA) as a tumor marker in carcinoma of the prostate. Parra RO. **Mo Med** 1991 Jun;88(6):349–52 (18 ref.)
Neu (c–erbB–2), a tumor marker in carcinoma of the female breast. Maguire HC Jr, et al. **Pathobiology** 1990; 58(6):297–303 (75 ref.)
Tumour–associated trypsin inhibitor and tumour–associated trypsin. Stenman UH. **Scand J Clin Lab Invest Suppl** 1990; 201:93–101 (56 ref.)
Biological markers of prognosis in invasive bladder cancer. Fradet Y. **Semin Oncol** 1990 Oct;17(5):533–43 (63 ref.)
Gynecologic tumor markers. Olt GJ, et al. **Semin Surg Oncol** 1990;6(6):305–13 (74 ref.)
Applied histochemistry and cytochemistry. Eckert H. **Z Erkr Atmungsorgane** 1991;176(2–3):122–7 (5 ref.)
[Immunohistochemistry of thyroid cancers. II. Medullary carcinomas (CMT) and "mixed" or "intermediate" tumors] De Micco C. **Ann Pathol** 1990;10(5–6):297–312 (186 ref.) **(Fre)**
[New histopathologic techniques for determining prognosis] Genton CY. **Arch Gynecol Obstet** 1990;247 Suppl:S81–5 (22 ref.) **(Fre)**
[Utility and specificity of markers of breast cancer] Hurlimann J. **Arch Gynecol Obstet** 1990;247 Suppl:S86–90 (14 ref.) **(Fre)**
[In situ determination of the Ki–67 growth fraction (Ki–67 GF) in human tumors (studies in breast cancer)] Lellé RJ. **Acta Histochem Suppl** 1990;39:109–24 (45 ref.) (Eng. Abstr.) **(Ger)**
[Clinical and prognostic significance of tumor–associated proteases in gynecologic oncology] Graeff H, et al. **Geburtshilfe Frauenheilkd** 1991 Feb;51(2):90–9 (56 ref.) (Eng. Abstr.) **(Ger)**
[Immunohistochemistry in the diagnosis of gynecologic neoplasms] Lampe B, et al. **Geburtshilfe Frauenheilkd** 1990 Aug;50(8):585–92 (80 ref.) (Eng. Abstr.) **(Ger)**
[Immunohistochemical markers in lung tumors--a status evaluation] Müller KM, et al. **Pneumologie** 1991 Apr; 45(4):140–6 (51 ref.) (Eng. Abstr.) **(Ger)**
[Validity of immunohistologic study techniques in lung cancers] Dämmrich J. **Verh Dtsch Ges Inn Med** 1990; 96:208–20 (68 ref.) **(Ger)**
[What importance do tumor markers have in life insurance medicine?] Binsack T, et al. **Versicherungsmedizin** 1990 Dec 1;42(6):157–62 (15 ref.) (Eng. Abstr.) **(Ger)**
[Immunologic tumor diagnosis] Schmolke B. **Z Lymphol** 1990 Dec;14(2):58–61 (0 ref.) (Eng. Abstr.) **(Ger)**
[What did tumor markers bring us?] Seitzer D. **Zentralbl Gynakol** 1991;113(7):389–96 (22 ref.) **(Ger)**
[Immunological markers for the study of sweat gland tumors] Da Gloria Antunes ER. **Med Cutan Ibero Lat Am** 1990; 18(4):238–44 (27 ref.) (Eng. Abstr.) **(Por)**
[Antigenic markers in the cytological diagnosis of human malignant neoplasms] Frank GA, et al. **Arkh Patol** 1990; 52(8):70–4 (53 ref.) (Eng. Abstr.) **(Rus)**

BLOOD

Circulating chromogranin A as a diagnostic tool in clinical chemistry. O'Connor DT, et al. **Acta Histochem Suppl** 1990; 38:27–33 (55 ref.)
Peptide hormones as tumor markers in neuroendocrine gastrointestinal tumors. Eriksson B, et al. **Acta Oncol** 1991; 30(4):477–83 (30 ref.)
Alkaline phosphatase. A marker in prostatic cancer? Høisaeter PA. **Acta Oncol** 1991;30(2):171–2 (6 ref.)
Is acid phosphatase (PAP) still justified in the management of prostatic cancer? Kontturi M. **Acta Oncol** 1991; 30(2):169–70 (7 ref.)
Lactic dehydrogenase. An old enzyme reborn as a cancer marker? [editorial] Schwartz MK. **Am J Clin Pathol** 1991 Oct;96(4):441–3 (19 ref.)
Clinical applications of serum tumor markers. Bates SE. **Ann Intern Med** 1991 Oct 15;115(8):623–38 (242 ref.)
The NMR blood test for cancer: current status. Fossel ET. **Cancer Cells** 1991 May;3(5):173–82 (55 ref.)
Ovarian masses: serologic markers. Schwartz PE. **Clin Obstet Gynecol** 1991 Jun;34(2):423–32 (27 ref.)
Tumor markers in ovarian carcinoma. Dudzinski MR. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):52–6 (24 ref.)
Alpha–fetoprotein: reevaluation in hepatology. Taketa K. **Hepatology** 1990 Dec;12(6):1420–32 (174 ref.)
Tumor markers of head and neck carcinoma. Eibling DE, et al. **Immunol Ser** 1990;53:357–83 (202 ref.)
Serum tumor markers for pancreatic carcinoma. Fritsche HA Jr, et al. **Immunol Ser** 1990;53:289–96 (53 ref.)
Testicular tumors. Lightner DJ, et al. **Immunol Ser** 1990; 53:397–401 (20 ref.)
Serum isoenzymes in cancer diagnosis and management. Mercer DW. **Immunol Ser** 1990;53:613–29 (82 ref.)
Tumour markers of hepatocellular carcinoma. Kew MC. **J Gastroenterol Hepatol** 1989 Jul–Aug;4(4):373–84 (65 ref.)
A case of primary mucinous cystadenocarcinoma of the appendix with elevated serum carcinoembryonic antigen (CEA). Noritake N, et al. **Jpn J Med** 1990 Nov–Dec; 29(6):642–6 (23 ref.)
No correlation between tumor markers and prognosis under polygenic control systems. Chigira M, et al. **Med Hypotheses** 1990 Aug;32(4):245–7 (57 ref.)
Prostate–specific antigen: a valuable clinical tool. Oesterling JE. **Oncology (Williston Park)** 1991 Apr;5(4):107–22; discussion 122, 125–6, 128 (75 ref.)
Tumour markers in monitoring the treatment of advanced prostate cancer. Cooper EH, et al. **Prog Clin Biol Res** 1990; 359:65–72; discussion 73–4 (14 ref.)
Consensus statement on circulating tumour markers and staging patients with germ cell tumours. Rustin GJ, et al. **Prog Clin Biol Res** 1990;357:277–84 (21 ref.)
Laboratory studies for the detection of carcinoma of the prostate. Brawer MK. **Urol Clin North Am** 1990 Nov; 17(4):759–68 (66 ref.)
[Mucin markers in metastatic breast cancer] Bieglmayer C, et al. **Gynakol Rundsch** 1990;30 Suppl 1:142–4 (0 ref.) **(Ger)**
[Paraneoplastic endocrinopathies] Müller OA, et al. **Internist (Berl)** 1990 Aug;31(8):492–8 (35 ref.) **(Ger)**
[Tumor markers, significance for clinical diagnosis] Gropp C. **Pneumologie** 1991 Apr;45(4):137–9 (11 ref.) (Eng. Abstr.) **(Ger)**
[Diagnostic value of biochemical tumor markers in brain tumors. Review of the literature and own experience with serum analysis of sialic acid (NANA), carcinoembryonic antigen (CEA) and neuron–specific enolase (NSE)] Flaschka G, et al. **Zentralbl Neurochir** 1990;51(3):129–37 (80 ref.) (Eng. Abstr.) **(Ger)**
[Diagnosis: tumor marker] Inaba N, et al. **Gan No Rinsho** 1990 Aug;36(10):1123–7 (10 ref.) (Eng. Abstr.) **(Jpn)**
[Diagnosis of hepatocellular carcinoma performed by searching for serologic tumor markers] de Oliveira e Silva A, et al. **Arq Gastroenterol** 1990 Apr–Jun;27(2):83–94 (123 ref.) (Eng. Abstr.) **(Por)**
[MEN I (multiple endocrine neoplasia): patient screening and new tumor markers] Alarcón Alacio J, et al. **An Med Interna** 1989 Dec;6(12):646–50 (25 ref.) (Eng. Abstr.) **(Spa)**
[Practical usefulness of serologic tumor markers in carcinoma

of the lung] González Barón M, et al. **Med Clin (Barc)** 1991 May 11;96(18):707–10 (60 ref.) **(Spa)**

[Prostate-specific antigen (PSA) is a valuable marker—if correctly used] Ekman P. **Lakartidningen** 1991 Jun 12; 88(24):2207–8 (10 ref.) **(Swe)**

CHEMISTRY

[Biological markers and cancer of the colon] Bombardieri E, et al. **Ann Ital Chir** 1990 Sep–Oct;61(5):467–75 (63 ref.) **(Ita)**

DIAGNOSTIC USE

Ki-67 and other proliferation markers useful for immunohistological diagnostic and prognostic evaluations in human malignancies. Gerdes J. **Semin Cancer Biol** 1990 Jun;1(3):199–206 (51 ref.)

GENETICS

The pS2 gene, mRNA, and protein: a potential marker for human breast cancer. Rio MC, et al. **Cancer Cells** 1990 Aug–Sep;2(8–9):269–74 (46 ref.)

The Heinrich Warner Prize 1989: the use of differential hybridization analysis to identify markers for diagnosis of urogenital cancer. Schalken JA. **Eur Urol** 1990;18 Suppl 2:52–7 (33 ref.)

Cytogenetic abnormalities and molecular markers of acute lymphoblastic leukemia. Heerema NA. **Hematol Oncol Clin North Am** 1990 Aug;4(4):795–820 (151 ref.)

[Molecular analysis of genes involved in colorectal tumors. Markers of tumor predisposition and progression] Grandjouan S, et al. **Gastroenterol Clin Biol** 1991; 15(1):34–48 (44 ref.) **(Fre)**

IMMUNOLOGY

Immunologic markers in childhood acute lymphoblastic leukemia. Borowitz MJ. **Hematol Oncol Clin North Am** 1990 Aug;4(4):743–65 (92 ref.)

ISOLATION & PURIFICATION

[Tumor markers, oncogenes in gynecological and breast oncology] Uyttenbroeck F, et al. **Verh K Acad Geneeskd Belg** 1990;52(4):313–51 (202 ref.) **(Dut)**

URINE

Mass screening for neuroblastoma in Japan. Sawada T, et al. **Pediatr Hematol Oncol** 1991 Apr–Jun;8(2):93–109 (49 ref.)

TUMOR METABOLITE MARKERS see **TUMOR MARKERS, BIOLOGICAL**

TUMOR NECROSIS FACTOR

Tumor necrosis factor. Characterization at the molecular, cellular and in vivo level. Fiers W. **FEBS Lett** 1991 Jul 22;285(2):199–212 (153 ref.)

Role of tumor necrosis factor in the pathogenesis of intravascular coagulopathy of sepsis: potential new therapeutic implications. Aderka D. **Isr J Med Sci** 1991 Jan;27(1):52–60 (63 ref.)

[Tumor necrosis factor and septic adult respiratory distress syndrome] Putterman C. **Harefuah** 1990 Nov 1;119(9):273–5 (34 ref.) **(Heb)**

[Tumor necrosis factor alpha. Biological aspects] Meloni F. **G Ital Chemioter** 1989 Jan–Dec;36(1–3):29–37 (58 ref.) (Eng. Abstr.) **(Ita)**

[Tumor necrosis factor] Martínez Martínez L. **Enferm Infecc Microbiol Clin** 1990 Apr;8(4):234–41 (58 ref.) **(Spa)**

ANTAGONISTS & INHIBITORS

Chronic inflammatory joint diseases: natural inhibitors of interleukin 1 and tumor necrosis factor alpha. Dayer JM. **J Rheumatol Suppl** 1991 Feb;27:71–5 (33 ref.)

BIOSYNTHESIS

The pathogenesis of sepsis. Bone RC. **Ann Intern Med** 1991 Sep 15;115(6):457–69 (141 ref.)

CHEMISTRY

Structure of tumor necrosis factor and its receptor. Aggarwal BB. **Biotherapy** 1991;3(2):113–20 (56 ref.)

Human tumour necrosis factors-alpha and -beta: differences in their structure, expression and biological properties. Porter AG. **FEMS Microbiol Immunol** 1990 Nov;2(4):193–9 (56 ref.)

Transforming growth factor-alpha. Derynck R. **Mol Reprod Dev** 1990 Sep;27(1):3–9 (10 ref.)

Structural and functional domains in human tumour necrosis factors. Goh CR, et al. **Protein Eng** 1991 Apr;4(4):385–9 (46 ref.)

IMMUNOLOGY

Role of tumor necrosis factor and colony-stimulating factors in phagocyte function against Candida albicans. Djeu JY. **Diagn Microbiol Infect Dis** 1990 Sep–Oct;13(5):383–6 (14 ref.)

Tumor necrosis factor and malaria. Beneficial and harmful aspects. Playfair JH. **Diagn Microbiol Infect Dis** 1990 Sep–Oct;13(5):435–8 (12 ref.)

A proinflammatory mediator with potential relevance in aging. Beutler B. **J Am Geriatr Soc** 1990 Sep;38(9):1027–36 (123 ref.)

Tumor necrosis factor-alpha: central regulatory cytokine in the induction of macrophage antimicrobial activities. Nacy CA, et al. **Pathobiology** 1991;59(3):182–4 (16 ref.)

Inflammatory mediators and interstitial cystitis. Felsen D, et al. **Semin Urol** 1991 May;9(2):102–7 (50 ref.)

Cytokines and the Koch phenomenon. Rook GA, et al. **Tubercle** 1991 Mar;72(1):13–20 (50 ref.)

[TNF: antitumoral agent at the border lines of immunity and inflammation] Branellec D, et al. **Pathol Biol (Paris)** 1991 Mar;39(3):230–9 (93 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Tumor necrosis factor in the human fetoplacentary unit. Saksela E, et al. **Int J Dev Biol** 1989 Mar;33(1):173–6 (12 ref.)

Tumor necrosis factor. New insights into the molecular mechanisms of its multiple actions. Vilček J, et al. **J Biol Chem** 1991 Apr 25;266(12):7313–6 (99 ref.)

Interferons and collagen production. Granstein RD, et al. **J Invest Dermatol** 1990 Dec;95(6 Suppl):75S–80S (36 ref.)

The divergent receptors for TNF. Sprang SR. **Trends Biochem Sci** 1990 Oct;15(10):366–8 (19 ref.)

[TNF-alpha in allogeneic bone marrow transplantation. Significance for immunologic reconstitution, acute graft versus host disease and risk of complications after bone marrow transplantation] Holler E. **Fortschr Med** 1991 Apr 20;109(12):263–6 (0 ref.) (Eng. Abstr.) **(Ger)**

PHARMACOLOGY

Immunomodulatory effect of tumor necrosis factor. Bonavida B. **Biotherapy** 1991;3(2):127–33 (40 ref.)

The metabolic effects of tumor necrosis factor and other cytokines. Grunfeld C, et al. **Biotherapy** 1991;3(2):143–58 (120 ref.)

Antiproliferative and proliferative effects of TNF on normal and tumor cells. Haranaka K. **Biotherapy** 1991;3(2):121–5 (37 ref.)

TNF: a brief review with emphasis on its antitumor activity. Scheringa M, et al. **Biotherapy** 1990;2(3):275–81 (60 ref.)

The NMR blood test for cancer: current status. Fossel ET. **Cancer Cells** 1991 May;3(5):173–82 (55 ref.)

Recent clinical experience with tumor necrosis factor and advances in understanding its physiologic function and cellular activities. Silverman P, et al. **Curr Opin Oncol** 1990 Dec;2(6):1133–8 (20 ref.)

Interleukin 8 and MCAF: novel inflammatory cytokines inducible by IL 1 and TNF. Matsushima K, et al. **Cytokine** 1989 Nov;1(1):2–13 (50 ref.)

Implications for persistent chlamydial infections of phagocyte–microorganism interplay. Sarov I, et al. **Eur J Clin Microbiol Infect Dis** 1991 Feb;10(2):119–23 (57 ref.)

Tumor necrosis factor: an update on basic research and clinical applications. Schleuning M, et al. **Klin Wochenschr** 1990 Sep 3;68(17):841–6 (93 ref.)

[Current knowledge of characteristics and effects of alpha and beta tumor necrosis factors (cachectins)] Kolb E. **Z Gesamte Inn Med** 1991 Apr;46(5):139–44 (50 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Are TNF-alpha and IL-1 beta relevant in the pathogenesis of migraine without aura? Covelli V, et al. **Acta Neurol (Napoli)** 1991 Apr;13(2):205–11 (20 ref.)

The beneficial effects of localized tumor necrosis factor production in BCG infection. Kindler V, et al. **Behring Inst Mitt** 1991 Feb;(88):120–4 (26 ref.)

Introduction to TNF and related lymphokines. Gifford GE, et al. **Biotherapy** 1991;3(2):103–11 (57 ref.)

The role of TNF in diverse pathologic processes. Kunkel SL, et al. **Biotherapy** 1991;3(2):135–41 (40 ref.)

A tumor necrosis factor binding protein (TNF-BP)-physiological antagonist of TNF. Olsson I, et al. **Biotherapy** 1991;3(2):159–65 (27 ref.)

Tumour necrosis factor signal transduction. Krönke M, et al. **Cell Signal** 1990;2(1):1–8 (71 ref.)

Tumour necrosis factor. de Silva DG. **Ceylon Med J** 1990 Dec;35(4):151–3 (16 ref.)

Interleukins and tumor necrosis factor in inflammation. Warren JS. **Crit Rev Clin Lab Sci** 1990;28(1):37–59 (202 ref.)

The complex regulation and biology of TNF (cachectin). Beutler B. **Crit Rev Oncog** 1990;2(1):9–18 (169 ref.)

Cytokines and septic shock. Calandra T, et al. **Diagn Microbiol Infect Dis** 1990 Sep–Oct;13(5):377–81 (45 ref.)

Cytotoxic mechanism of tumor necrosis factor-alpha. Larrick JW, et al. **FASEB J** 1990 Nov;4(14):3215–23 (79 ref.)

Tumour necrosis factor, fever and fatality in falciparum malaria. Kwiatkowski D. **Immunol Lett** 1990 Aug; 25(1–3):213–6 (14 ref.)

The involvement of TNF, IL-1 and IL-6 in the immune response to protozoan parasites. Titus RG, et al. **Immunol Today** 1991 Mar;12(3):A13–6 (50 ref.)

Tumor necrosis factor. Wakefield PE, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 1):675–85 (111 ref.)

Tumour necrosis factor/cachectin: biology and relevance to disease. Das UN. **J Assoc Physicians India** 1991 Feb; 39(2):201–4 (38 ref.)

The role of interferon and tumor necrosis factor in the pathogenesis of AIDS. Lau AS, et al. **J Exp Pathol** 1990; 5(3):111–22 (45 ref.)

The proinflammatory cytokines interleukin-1 and tumor necrosis factor and treatment of the septic shock syndrome. Dinarello CA. **J Infect Dis** 1991 Jun;163(6):1177–84 (89 ref.)

The role of tumour necrosis factor-alpha in acquired immunodeficiency syndrome. Odeh M. **J Intern Med** 1990 Dec;228(6):549–56 (117 ref.)

Regulation of the pathophysiology of tumor necrosis factor. DeForge LE, et al. **J Lab Clin Med** 1990 Oct;116(4):429–38 (72 ref.)

Biologic activities and mechanisms of action of tumor necrosis factor-alpha/cachectin. Jäättelä M. **Lab Invest** 1991 Jun;64(6):724–42 (292 ref.)

[Cachectin or TNF (tumor necrosis factor): clinical implications] Romieu M, et al. **Ann Fr Anesth Reanim** 1990; 9(6):525–35 (99 ref.) (Eng. Abstr.) **(Fre)**

[Tumor necrosis factor/cachectin] Kubin M. **Acta Haematol Pol** 1990 Jan–Jun;21(1):105–12 (148 ref.) **(Pol)**

THERAPEUTIC USE

Evaluation of TNF as antiviral, antibacterial and antiparasitic agent. Rook GA, et al. **Biotherapy** 1991;3(2):167–75 (76 ref.)

Clinical studies with TNF. Taguchi T, et al. **Biotherapy** 1991; 3(2):177–86 (40 ref.)

Clinical applications of tumour necrosis factor. Jones AL, et al. **Prog Growth Factor Res** 1989;1(2):107–22 (120 ref.)

[The value of interferons, interleukin-2 and tumor necrosis factor in the therapy of renal cell cancer] Wirth M. **Urologe [A]** 1991 Mar;30(2):77–80 (34 ref.) (Eng. Abstr.) **(Ger)**

TUMOR NECROSIS FACTOR-ALPHA see **TUMOR NECROSIS FACTOR**

TUMOR NECROSIS FACTOR-BETA see **LYMPHOTOXIN**

TUMOR PROMOTERS see **CARCINOGENS**

TUMOR STAGING see **NEOPLASM STAGING**

TUMOR STEM CELLS

Immunomagnetic purging of bone marrow: a model for negative cell selection. Pole JG, et al. **Am J Pediatr Hematol Oncol** 1990 Fall;12(3):257–61 (15 ref.)

DRUG EFFECTS

Ex vivo chemopurging of autologous bone marrow with 4-hydroperoxycyclophosphamide to eliminate occult leukemic cells. Laboratory and clinical observations. Yeager AM, et al. **Am J Pediatr Hematol Oncol** 1990 Fall; 12(3):245–56 (45 ref.)

In vivo and in vitro effects of TGF-beta 1 on normal and neoplastic haemopoiesis. Ruscetti FW, et al. **Ciba Found Symp** 1991;157:212–27; discussion 227–31 (42 ref.)

PATHOLOGY

Cellular dynamics of leukemias. Raza A, et al. **Crit Rev Oncog** 1990;1(4):373–88 (114 ref.)

Growth regulation of malignant clonogenic cells in acute myeloid leukemia. Cannistra SA. **Curr Opin Oncol** 1991 Feb;3(1):4–12 (43 ref.)

Relationship between clonality and transformation in acute leukemia. Butturini A, et al. **Leuk Res** 1991;15(1):1–7 (44 ref.)

PHYSIOLOGY

Cell repopulation and overall treatment time. Trott KR. **Int J Radiat Oncol Biol Phys** 1990 Oct;19(4):1071–5 (21 ref.)

Embryonic mechanisms for abrogating the malignancy of cancer cells. Parchment RE, et al. **Prog Clin Biol Res** 1990; 354A:331–44 (26 ref.)

ULTRASTRUCTURE

Leukemia characterized by multiple sub-clones with unbalanced translocations involving different telomeric segments: case report and review of the literature. Shippey CA, et al. **Genes Chromosom Cancer** 1990 May;2(1):14–7 (17 ref.)

TUMOR SUPPRESSOR GENES see **GENES, SUPPRESSOR, TUMOR**

TUMOR VIRUS INFECTIONS

Genital human papillomavirus infection [see comments]

Zazove P, et al. **Am Fam Physician** 1991 Apr;43(4):1279–90 (66 ref.) Comment in: Am Fam Physician 1991 Apr;43(4):1217–8.

Human papillomaviruses and upper airway oncogenesis. Steinberg BM. **Am J Otolaryngol** 1990 Nov–Dec; 11(6):370–4 (34 ref.)

An update on human papillomavirus infection of the cervix. Mitchell H. **Aust Fam Physician** 1990 Jun;19(6):887, 890–4 (20 ref.)

Clinical manifestations and natural history of genital human papillomavirus infection. Campion MJ. **Dermatol Clin** 1991 Apr;9(2):235–49 (108 ref.)

Relation of papillomaviruses to anogenital cancer. Pfister H, et al. **Dermatol Clin** 1991 Apr;9(2):267–76 (126 ref.)

Bowenoid papulosis. Schwartz RA, et al. **J Am Acad Dermatol** 1991 Feb;24(2 Pt 1):261–4 (46 ref.)

Human papillomavirus (HPV) infections and their associations with oral disease. Chang F, et al. **J Oral Pathol Med** 1991 Aug;20(7):305–17 (173 ref.)

Human papillomavirus infections of the genital tract. Brown DR, et al. **Med Clin North Am** 1990 Nov;74(6):1455–85 (162 ref.)

[Intrauterine infections caused by other "less common" viruses: human B19 parvovirus and Epstein–Barr virus] Moya Benavent M, et al. **An Esp Pediatr** 1990 Nov;33 Suppl 43:96–103 (49 ref.) **(Spa)**

[Papillomavirus infection and cancer of the cervix] Castro Marqueta P. **Med Clin (Barc)** 1991 Apr 27;96(16):631–4 (42 ref.) **(Spa)**

COMPLICATIONS

Implications of progressive multifocal leukoencephalopathy and JC virus for the etiology of MS. Stoner GL. **Acta Neurol Scand** 1991 Jan;83(1):20–33 (106 ref.)

The nature of Hodgkin and Reed–Sternberg cells, their association with EBV, and their relationship to anaplastic large–cell lymphoma. Stein H, et al. **Ann Oncol** 1991 Feb; 2 Suppl 2:33–8 (36 ref.)

Implications of human papillomavirus in cervical and vulvar cancer. Hatch KD. **Curr Opin Obstet Gynecol** 1990 Feb; 2(1):80–4 (17 ref.)

Recent developments in viruses and genetics in gynecologic cancer. Kitchener HC. **Curr Opin Oncol** 1990 Oct; 2(5):864–9 (20 ref.)

Human papillomavirus infection among HIV–infected individuals. Implications for development of malignant tumors. Palefsky J. **Hematol Oncol Clin North Am** 1991 Apr;5(2):357–70 (66 ref.)

Other virus infections in AIDS. III. Epstein–Barr virus. Lennette ET. **Immunol Ser** 1989;44:554–64 (43 ref.)

The role of papillomaviruses in anogenital cancer. zur Hausen H. **Scand J Infect Dis Suppl** 1990;69:107–11 (38 ref.)

Current concepts in the relationship of human papillomavirus infection to the pathogenesis and classification of precancerous squamous lesions of the uterine cervix. Ambros RA, et al. **Semin Diagn Pathol** 1990 Aug; 7(3):158–72 (66 ref.)

[The management of pregnant women presenting with genital HPV infections] Audra P. **Rev Fr Gynecol Obstet** 1990 Oct;85(10):561–3 (9 ref.) (Eng. Abstr.) **(Fre)**

[A case of facial diplegia due to EB virus infection] Matsushima K, et al. **Rinsho Shinkeigaku** 1990 Sep; 30(9):1013–6 (10 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

In–situ hybridization for the diagnosis and typing of human papillomavirus. Amortegui AJ, et al. **Clin Biochem** 1990 Aug;23(4):301–6 (24 ref.)

Association of human papillomavirus with gynecologic cancer. Lorincz AT, et al. **Curr Opin Oncol** 1989 Oct; 1(1):123–32 (44 ref.)

Ancillary diagnostic tests for detection of human papillomavirus infection. Sawchuk WS. **Dermatol Clin** 1991 Apr;9(2):277–86 (57 ref.)

[Anal lesions and human papillomaviruses. Virologic, epidemiologic and cancerologic aspects] Euvrard S, et al. **Ann Dermatol Venereol** 1991;118(6–7):497–502 (68 ref.) **(Fre)**

[The diagnosis of genital papillomavirus infections using molecular hybridization] Drouet E, et al. **Rev Fr Gynecol Obstet** 1990 Oct;85(10):564–8 (10 ref.) (Eng. Abstr.) **(Fre)**

[Current developments in anogenital HPV infections] Gross GE. **Hautarzt** 1990 Oct;41(10):527–36 (46 ref.) (Eng. Abstr.) **(Ger)**

[Genital infections caused by human papilloma virus. I. Biology and detection methods] Ojeda JM, et al. **Rev Chil Obstet Ginecol** 1990;55(1):17–23 (38 ref.) **(Spa)**

EPIDEMIOLOGY

Genital human papillomavirus infection. A growing health risk. Tinkle MB. **J Obstet Gynecol Neonatal Nurs** 1990 Nov–Dec;19(6):501–7 (25 ref.)

Epidemiology of human papilloma virus infections and genital neoplasia. Syrjänen K, et al. **Scand J Infect Dis Suppl** 1990;69:7–17 (54 ref.)

[Epidemiology of herpes simplex virus y papilloma virus: current concepts] Bernal JN. **Rev Chil Obstet Ginecol** 1989; 54(3):173–8 (38 ref.) **(Spa)**

ETIOLOGY

Tumorigenesis by slow–transforming retroviruses—an update. van Lohuizen M, et al. **Biochim Biophys Acta** 1990 Dec 11;1032(2–3):213–35 (282 ref.)

GENETICS

Transformation by herpesvirus saimiri. Trimble JJ, et al. **Adv Cancer Res** 1991;56:335–55 (119 ref.)

Role of the human papillomaviruses in human cancer. Howley PM. **Cancer Res** 1991 Sep 15;51(18 Suppl):5019s–5022s (62 ref.)

Oncogenes: the role of DNA tumor viruses in cancer. Benchimol S. **Curr Opin Oncol** 1990 Feb;2(1):138–42 (14 ref.)

Host cell regulation of HPV transforming gene expression. zur Hausen H. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:207–19 (58 ref.)

The significance of retroviruses in oncology. Leib–Mösch C, et al. **Onkologie** 1990 Dec;13(6):405–14 (95 ref.)

IMMUNOLOGY

Immunology of anogenital human papillomavirus (HPV) infection. Tindle RW, et al. **Aust N Z J Obstet Gynaecol** 1990 Nov;30(4):370–5 (45 ref.)

The cellular immune response to human papillomavirus infection. Vardy DA, et al. **Int J Dermatol** 1990 Nov; 29(9):603–10 (72 ref.)

Cancer of the cervix: prospects for immunological control. Davies DH, et al. **Int J Exp Pathol** 1991 Apr;72(2):239–51 (74 ref.)

Reticuloendotheliosis virus and disturbance in immune regulation. Bose HR Jr. **Microbiol Sci** 1984 Aug; 1(5):107–12 (26 ref.)

MICROBIOLOGY

Viruses and cancer. Dalgleish AG. **Br Med Bull** 1991 Jan; 47(1):21–46 (52 ref.)

Outcome in mild and moderate cervical dysplasias related to the presence of specific human papillomavirus types. Weaver MG, et al. **Mod Pathol** 1990 Nov;3(6):679–83 (43 ref.)

Human papillomaviruses: pediatric perspectives on a family of multifaceted tumorigenic pathogens [see comments] Cripe TP. **Pediatr Infect Dis J** 1990 Nov;9(11):836–44 (123 ref.) Comment in: Pediatr Infect Dis J 1991 Apr;10(4):342–3.

SV40 and human brain tumors. Geissler E. **Prog Med Virol** 1990;37:211–22 (41 ref.)

Human papillomaviruses in the pathogenesis of anogenital cancer. zur Hausen H. **Virology** 1991 Sep;184(1):9–13 (47 ref.)

[Cellular dyskeratosis as predictive factor in condylomatosis histologically confirmed by biopsy] Ventura G, et al. **Minerva Ginecol** 1990 Dec;42(12):503–6 (15 ref.) (Eng. Abstr.) **(Ita)**

[Diagnostic evaluation of cervix uteri infections associated with infection caused by human papilloma virus] Dabancens A, et al. **Rev Chil Obstet Ginecol** 1990; 55(1):50–3 (12 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Cytologic and histologic manifestations of human papillomavirus infection of the uterine cervix. Koss LG. **Cancer Detect Prev** 1990;14(4):461–4 (41 ref.)

Pathobiology of papillomavirus–related cervical diseases: prospects for immunodiagnosis. Crum CP, et al. **Clin Microbiol Rev** 1991 Jul;4(3):270–85 (129 ref.)

Pathology of the cervix. Fujii S. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):442–7 (34 ref.)

Pathology of the cervix. Richart RM, et al. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):561–7 (28 ref.)

Tissue effects of and host response to human papillomavirus infection. Jenson AB, et al. **Dermatol Clin** 1991 Apr; 9(2):203–9 (33 ref.)

[Use of molecular biology methods in gynecologic pathology] Czerwenka KF, et al. **Gynakol Rundsch** 1990; 30 Suppl 1:135–41 (9 ref.) **(Ger)**

[Papillomatosis between remission and malignant transformation—case reports and review of papillomatous tumors of the lower respiratory tract] Dobbertin I, et al. **Pneumologie** 1990 Sep;44(9):1086–105 (111 ref.) **(Ger)**

[Cytologic and morphologic characteristics of human papillomavirus infection in cervix uteri pathology] Isakova LM. **Arkh Patol** 1991;53(1):75–9 (58 ref.) (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Human papillomavirus. A sexually transmitted disease with carcinogenic potential. Lilley LL, et al. **Cancer Nurs** 1990 Dec;13(6):366–72 (33 ref.)

THERAPY

Herpes simplex and human papillomavirus genital infections: controversy over obstetric management. Osborne NG, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):801–11 (20 ref.)

Interferon treatment of anogenital human papillomavirus–related diseases. Trofatter KF Jr. **Dermatol Clin** 1991 Apr;9(2):343–52 (58 ref.)

[Treatment of genital Papillomavirus lesions] Barrasso R, et al. **Presse Med** 1991 Jun 29;20(25):1171–5 (41 ref.) (Eng. Abstr.) **(Fre)**

TRANSMISSION

Perinatal transmission of human papillomavirus. Fletcher JL Jr. **Am Fam Physician** 1991 Jan;43(1):143–8 (28 ref.)

VETERINARY

Importance of cell–mediated immunity in Marek's disease and other viral tumor diseases. Schat KA. **Poult Sci** 1991 May;70(5):1165–75 (53 ref.)

[Papillomatosis of cattle and its relationship to equine sarcoid] Müller H. **Tierarztl Prax** 1991 Feb;19(1):39–43 (38 ref.) (Eng. Abstr.) **(Ger)**

TUMOR VIRUSES see **ONCOGENIC VIRUSES**

TUMORIGENICITY TESTS see **CARCINOGENICITY TESTS**

TUMORS see **NEOPLASMS**

TUNICATA see **UROCHORDATA**

TURBATRIX see **NEMATODA**

TURBINATES

INJURIES

Mainstem bronchial obstruction secondary to nasotracheal intubation: a case report and review of the literature. Knuth TE, et al. **Anesth Analg** 1991 Oct;73(4):487–9 (12 ref.)

TURBOT see **FLATFISHES**

TURKEYS

PHYSIOLOGY

Feed restriction of turkey breeder hens—a review. Hester PY, et al. **Poult Sci** 1990 Sep;69(9):1439–46 (22 ref.)

TURMERIC YELLOW see **CURCUMIN**

TURNER'S SYNDROME

Turner syndrome. Lippe B. **Endocrinol Metab Clin North Am** 1991 Mar;20(1):121–52 (143 ref.)

Turner syndrome and its variants. Hall JG, et al. **Pediatr Clin North Am** 1990 Dec;37(6):1421–40 (146 ref.)

COMPLICATIONS

[Turner's syndrome and autoimmune dysthyroidism] Ortéga F, et al. **Rev Med Interne** 1990 Jul–Aug;11(4):333–5 (22 ref.) (Eng. Abstr.) **(Fre)**

[Epilepsy and Turner's syndrome: report of a case and review of the literature] Trevisol–Bittencourt PC, et al. **Arq Neuropsiquiatr** 1990 Sep;48(3):360–5 (36 ref.) (Eng. Abstr.) **(Por)**

[Hypothyroidism and isochromosome X in Turner's syndrome] García Cuartero B, et al. **An Esp Pediatr** 1991 Feb;34(2):161–2 (8 ref.) **(Spa)**

DRUG THERAPY

What is the value of growth hormone treatment in short children with specified syndrome? Turner's syndrome, osteochondrodysplasias, Prader–Willi syndrome, Noonan syndrome. Nilsson KO. **Acta Paediatr Scand Suppl** 1989; 362:61–8 (67 ref.)

Growth hormone therapy in girls with Turner syndrome. Dean H. **Birth Defects** 1990;26(4):229–34 (17 ref.)

GENETICS

Sexual discordance in monozygotic twins. Perlman EJ, et al. **Am J Med Genet** 1990 Dec;37(4):551–7 (42 ref.)

PHYSIOPATHOLOGY

Pubertal growth and sexual maturation for adolescents with chronic illness or disability. Rosen DS. **Pediatrician** 1991; 18(2):105–20 (170 ref.)

TURNER'S SYNDROME, MALE see **NOONAN SYNDROME**

TURTLES

[The diseases of turtles] Jarofke D, et al. **Berl Munch Tierarztl Wochenschr** 1991 Jan 1;104(1):30–3 (60 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Biochemistry of natural freeze tolerance in animals: molecular adaptations and applications to cryopreservation. Storey KB. **Biochem Cell Biol** 1990 Apr;68(4):687–98 (50 ref.)

The case for a cause–effect linkage between environmental contamination and development in eggs of the common snapping turtle (Chelydra S.serpentina) from Ontario,

Canada. Bishop CA, et al. **J Toxicol Environ Health** 1991 Aug;33(4):521–47 (54 ref.)

TWENTY-FOUR HOUR RHYTHM see **CIRCADIAN RHYTHM**

TWIN TRANSFUSION see **FETOFETAL TRANSFUSION**

TWIN TRANSFUSION SYNDROME see **FETOFETAL TRANSFUSION**

TWINS

see related
DISEASES IN TWINS

Population-based twin registries: illustrative applications in genetic epidemiology and behavioral genetics from the Finnish Twin Cohort Study. Kaprio J, et al. **Acta Genet Med Gemellol (Roma)** 1990;39(4):427–39 (33 ref.)

Rest in hospital and twin pregnancy [comment] Hall MH. **Br J Obstet Gynaecol** 1990 Oct;97(10):869–71 (21 ref.) Comment on: Br J Obstet Gynaecol 1990 Oct;97(10):872–7. Comment on: Br J Obstet Gynaecol 1990 Oct;97(10):878–82.

Antenatal fetal death in twin pregnancies: a dangerous condition mainly for the surviving co-twin; a report of four cases. Van den Veyver IB, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 Jan 4;38(1):69–73 (31 ref.)

Twin fetuses in fetu and a review of the literature. Gürses N, et al. **Z Kinderchir** 1990 Oct;45(5):319–22 (14 ref.)

GENETICS

Definitive methods of zygosity determination in twins: relevance to problems in the biology of twinning. Machin GA. **Acta Genet Med Gemellol (Roma)** 1990;39(4):459–71 (80 ref.)

TWINS, CONJOINED

CLASSIFICATION

[Anatomic study of 2 sternopagus. Is the separation possible?] Guitard J, et al. **Chir Pediatr** 1990;31(4–5):265–71 (18 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

[Anatomic study of 2 sternopagus. Is the separation possible?] Guitard J, et al. **Chir Pediatr** 1990;31(4–5):265–71 (18 ref.) (Eng. Abstr.) **(Fre)**

[Pygopagus Siamese twins. Surgical treatment] Rollán Villamarín V, et al. **Cir Pediatr** 1991 Apr;4(2):112–6 (12 ref.) (Eng. Abstr.) **(Spa)**

TWINS, DIZYGOTIC

Twinning and mitotic crossing-over: some possibilities and their implications. Côté GB, et al. **Am J Hum Genet** 1991 Jul;49(1):120–30 (108 ref.)

Cerebral palsy in multiple births in Western Australia: genetic aspects. Petterson B, et al. **Am J Med Genet** 1990 Nov; 37(3):346–51 (27 ref.)

Twins and twinning, dentists and dentistry [see comments] Townsend G, et al. **Aust Dent J** 1990 Aug;35(4):317–27 (52 ref.) Comment in: Aust Dent J 1990 Dec;35(6):549–50.

TWINS, FRATERNAL see **TWINS, DIZYGOTIC**

TWINS, IDENTICAL see **TWINS, MONOZYGOTIC**

TWINS, MONOZYGOTIC

Twinning and mitotic crossing-over: some possibilities and their implications. Côté GB, et al. **Am J Hum Genet** 1991 Jul;49(1):120–30 (108 ref.)

Sexual discordance in monozygotic twins. Perlman EJ, et al. **Am J Med Genet** 1990 Dec;37(4):551–7 (42 ref.)

Cerebral palsy in multiple births in Western Australia: genetic aspects. Petterson B, et al. **Am J Med Genet** 1990 Nov; 37(3):346–51 (27 ref.)

Twins and twinning, dentists and dentistry [see comments] Townsend G, et al. **Aust Dent J** 1990 Aug;35(4):317–27 (52 ref.) Comment in: Aust Dent J 1990 Dec;35(6):549–50.

Congenital giant pigmented nevus presenting in one identical twin. Morganroth GS, et al. **Cutis** 1991 Jul;48(1):53–5 (10 ref.)

TWO-PARAMETER MODELS see **MODELS, STATISTICAL**

TY1 TRANSPOSON see **DNA INSERTION ELEMENTS**

TYLOSIN

BIOSYNTHESIS

[Genetic and biochemical control of biosynthesis of macrolide antibiotics] Navashin SM, et al. **Antibiot Khimioter** 1990 Dec;35(12):34–8 (62 ref.) **(Rus)**

TYLOSIS see **KERATODERMA, PALMOPLANTAR, DIFFUSE**

TYMPANIC CAVITY see **EAR, MIDDLE**

TYMPANIC MEMBRANE

The Physical Volume Test in impedance audiometry. Rock EH. **Ear Nose Throat J** 1991 Apr;70(4):245–50 (14 ref.)

PHYSIOLOGY

Tympanic membrane thermometer: a new and improved way to measure temperature? Ros SP. **Pediatr Emerg Care** 1990 Dec;6(4):299–300 (10 ref.)

TYMPANOMETRY see **ACOUSTIC IMPEDANCE TESTS**

TYMPANOPLASTY

[Tympanoplasty in the treatment of sequelae of blast injuries of the ear] Poncet JL, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(6):366–70 (14 ref.) (Eng. Abstr.) **(Fre)**

METHODS

Tympanoplasty: to stage or not to stage. Sheehy JL, et al. **Otolaryngol Head Neck Surg** 1991 Mar;104(3):399–407 (7 ref.)

[Pathogenesis and prevention of recurrent cholesteatoma following closed tympanoplasty] Zini C, et al. **Acta Otorhinolaryngol Belg** 1991;45(1):43–9 (31 ref.) (Eng. Abstr.) **(Fre)**

[Improvement of hearing function through ear reoperation. The role of tympanic revision for functional indications] Hildmann H. **HNO** 1991 Feb;39(2):43–7 (17 ref.) (Eng. Abstr.) **(Ger)**

TYMPANUM see **EAR, MIDDLE**

TYPE A PERSONALITY

If 'A-B' does not predict heart disease, why bother with it? A comment on Ivancevich & Matteson. Ray JJ. **Br J Med Psychol** 1991 Mar;64 (Pt 1):85–90 (34 ref.)

Relationship between Type A personality and coronary heart disease. Analysis of five cohort studies. Schwalbe FC. **J Fla Med Assoc** 1990 Sep;77(9):803–5 (7 ref.)

Biobehavioral factors in sudden cardiac death. Kamarck T, et al. **Psychol Bull** 1991 Jan;109(1):42–75 (280 ref.)

[Health psychology and Type A behavior] Hashimoto T. **Kokyu To Junkan** 1990 Dec;38(12):1185–91 (35 ref.) **(Jpn)**

[Psychosocial risk factors of ischemic heart disease] Wrześniewski K. **Przegl Lek** 1990;47(11):767–9 (36 ref.) **(Pol)**

TYPE B ONCOVIRUSES see **MAMMARY CANCER VIRUS**

TYPE II RESTRICTION ENZYMES see **DEOXYRIBONUCLEASES, TYPE II SITE-SPECIFIC**

TYPHOID

[Rapid diagnosis of typhoid fever and its treatment with antibacterial agents] Hu DR. **Chung Hua Nei Ko Tsa Chih** 1991 Apr;30(4):247–9 (21 ref.) **(Chi)**

COMPLICATIONS

Pancreatitis and typhoid fever [letter] Hermans P, et al. **Am J Med** 1990 Oct;89(4):546–7 (6 ref.)

[Splenic abscess in typhoid fever] Calleri G, et al. **Clin Ter** 1991 May 31;137(4):281–3 (10 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

[Current methods for the immunological diagnosis of typhoid fever] Abdurakhmanov AG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Nov;(11):95–100 (40 ref.) **(Rus)**

DRUG THERAPY

Fluoroquinolones in the treatment of typhoid fever and the carrier state. Zavala Trujillo I, et al. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):334–41 (88 ref.)

Treatment of typhoid fever and infectious diarrhoea with ciprofloxacin. Pithie AD, et al. **J Antimicrob Chemother** 1990 Dec;26 Suppl F:47–53 (48 ref.)

Modern treatment of typhoid fever [editorial] Mandal BK. **J Infect** 1991 Jan;22(1):1–4 (31 ref.)

EPIDEMIOLOGY

Epidemiologic patterns and control strategies in typhoid fever. Siddiqui S. **JPMA J Pak Med Assoc** 1991 Jun; 41(6):143–6 (27 ref.)

GENETICS

[Genetic factors in typhoid fever] Herrera P, et al. **Rev Chil Pediatr** 1989 Sep–Oct;60(5):297–303 (51 ref.) (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Pathogenicity of foodborne Salmonella. D'Aoust JY. **Int J Food Microbiol** 1991 Jan;12(1):17–40 (153 ref.)

PREVENTION & CONTROL

Protecting travelers from typhoid fever. Rao N. **Infect Control Hosp Epidemiol** 1991 Mar;12(3):168–72 (53 ref.)

A new look at typhoid vaccination. Information for the practicing physician. Woodruff BA, et al. **JAMA** 1991 Feb 13;265(6):756–9 (29 ref.)

Epidemiologic patterns and control strategies in typhoid fever. Siddiqui S. **JPMA J Pak Med Assoc** 1991 Jun; 41(6):143–6 (27 ref.)

TYPHOID-PARATYPHOID VACCINES

A new look at typhoid vaccination. Information for the practicing physician. Woodruff BA, et al. **JAMA** 1991 Feb 13;265(6):756–9 (29 ref.)

ISOLATION & PURIFICATION

Clinical and field trials with attenuated Salmonella typhi as live oral vaccines and as "carrier" vaccines. Levine MM, et al. **Res Microbiol** 1990 Sep-Oct;141(7–8):807–16 (50 ref.)

THERAPEUTIC USE

Protecting travelers from typhoid fever. Rao N. **Infect Control Hosp Epidemiol** 1991 Mar;12(3):168–72 (53 ref.)

TYPING, BACTERIAL see **BACTERIAL TYPING TECHNIQUES**

TYPING, BACTERIOPHAGE see **BACTERIOPHAGE TYPING**

TYPOLOGY see **SOMATOTYPES**

TYRAMINE

PHARMACOLOGY

Hypotensive action and weak potentiation of tyramine effect by moclobemide in rats. Da Prada M, et al. **Acta Psychiatr Scand Suppl** 1990;360:106–7 (12 ref.)

TYROSINE

BLOOD

Inherited hepatic enzyme defects as candidates for liver-directed gene therapy. Horwich AL. **Curr Top Microbiol Immunol** 1991;168:185–200 (39 ref.)

METABOLISM

Biomarkers of OH radical damage in vivo. Karam LR, et al. **Free Radic Res Commun** 1991;12–13 Pt 1:11–6 (24 ref.)

Tyrosine-rich crystalloids in a polymorphous low-grade adenocarcinoma. Raubenheimer EJ, et al. **Oral Surg Oral Med Oral Pathol** 1990 Oct;70(4):480–2 (15 ref.)

Tyrosine phosphorylation and the regulation of cell growth: growth factor-stimulated tyrosine phosphorylation of phospholipase C. Nishibe S, et al. **Semin Cancer Biol** 1990 Aug;1(4):285–92 (60 ref.)

PHYSIOLOGY

Tyrosine radicals. Prince RC. **Trends Biochem Sci** 1988 Aug; 13(8):286–8 (23 ref.)

THERAPEUTIC USE

L-tyrosine in the treatment of narcolepsy. Roufs JB. **Med Hypotheses** 1990 Dec;33(4):269–73 (56 ref.)

TYROSINE AMINOTRANSFERASE

GENETICS

[The structure and hormonal regulation of the expression of tyrosine aminotransferase genes in mammals] Mertvetsov NP, et al. **Probl Endokrinol (Mosk)** 1990 Jul–Aug; 36(4):42–51 (38 ref.) **(Rus)**

TYROSINE HYDROXYLASE

CHEMISTRY

Comparative studies on the structure of human tyrosine hydroxylase with those of the enzyme of various mammals. Nagatsu T, et al. **Comp Biochem Physiol [C]** 1991; 98(1):203–10 (36 ref.)

TYROSINE PROTEIN KINASE see **PROTEIN-TYROSINE KINASE**

TYROSINE SPECIFIC PROTEIN KINASE see **PROTEIN-TYROSINE KINASE**

TYROSINE-SPECIFIC TRNA see RNA, TRANSFER, TYR

TYROSYL T RNA SYNTHETASE

METABOLISM

Recognition of tRNA(Tyr) by tyrosyl-tRNA synthetase. Bedouelle H. **Biochimie** 1990 Aug;72(8):589–98 (84 ref.)

U1 SMALL NUCLEAR RNA see RNA, SMALL NUCLEAR

UBIQUINOL-CYTOCHROME C REDUCTASE

DEFICIENCY

Multiple defects of the mitochondrial respiratory chain in a mitochondrial encephalopathy (MERRF): a clinical, biochemical and molecular study. Bindoff LA, et al. **J Neurol Sci** 1991 Mar;102(1):17–24 (48 ref.)

METABOLISM

The three-subunit cytochrome bc1 complex of Paracoccus denitrificans. Its physiological function, structure, and mechanism of electron transfer and energy transduction. Trumpower BL. **J Bioenerg Biomembr** 1991 Apr; 23(2):241–55 (34 ref.)

UBIQUINONE

METABOLISM

[Ubiquinone, the unknown sibling of cholesterol, as a member of the antioxidant group] Karlsson J, et al. **Lakartidningen** 1991 Feb 13;88(7):512–4 (15 ref.) **(Swe)**

PHYSIOLOGY

Coenzyme Q can control the efficiency of oxidative phosphorylation. Battino M, et al. **Int J Tissue React** 1990; 12(3):137–44 (38 ref.)

Carnitine and coenzyme Q10: biochemical properties and functions, synergism and complementary action. Bertelli A, et al. **Int J Tissue React** 1990;12(3):183–6 (10 ref.)

THERAPEUTIC USE

Coenzyme Q10: clinical benefits with biochemical correlates suggesting a scientific breakthrough in the management of chronic heart failure. Mortensen SA, et al. **Int J Tissue React** 1990;12(3):155–62 (16 ref.)

UBIQUITIN

Ubiquitin in health and disease. Mayer RJ, et al. **Biochim Biophys Acta** 1991 Jun 13;1089(2):141–57 (141 ref.)

GENETICS

Genetic analysis of the ubiquitin system. Jentsch S, et al. **Biochim Biophys Acta** 1991 Jun 13;1089(2):127–39 (101 ref.)

[Heterogeneous codon usage patterns within genes] Mita K, et al. **Tanpakushitsu Kakusan Koso** 1990 Aug; 35(11):2011–21 (37 ref.) **(Jpn)**

METABOLISM

Degradation of proteins by the ubiquitin-mediated proteolytic pathway. Ciechanover A, et al. **New Biol** 1990 Mar;2(3):227–34 (46 ref.)

PHYSIOLOGY

Natural substrates of the ubiquitin proteolytic pathway. Rechsteiner M. **Cell** 1991 Aug 23;66(4):615–8 (28 ref.)

Ubiquitin, cell stress and diseases of the nervous system. Lowe J, et al. **Neuropathol Appl Neurobiol** 1990 Aug; 16(4):281–91 (44 ref.)

The ubiquitin-mediated proteolytic pathway: enzymology and mechanisms of recognition of the proteolytic substrates. Ciechanover A, et al. **Semin Cell Biol** 1990 Dec; 1(6):415–22 (48 ref.)

UDDER see MAMMAE

UDP GALACTOSE see URIDINE DIPHOSPHATE GALACTOSE

UDP GALACTOSE PYROPHOSPHORYLASE see GALACTOSEPHOSPHATE URIDYLYLTRANSFERASE

UDP GLUCURONOSYLTRANSFERASE

GENETICS

The UDP glucuronosyltransferase gene superfamily: suggested nomenclature based on evolutionary divergence. Burchell B, et al. **DNA Cell Biol** 1991 Sep;10(7):487–94 (40 ref.)

ISOLATION & PURIFICATION

Isolation and purification of UDP-glucuronosyltransferases. Tephly TR. **Chem Res Toxicol** 1990 Nov-Dec;3(6):509–16 (74 ref.)

METABOLISM

Drug metabolizing enzymes in the brain and cerebral microvessels. Minn A, et al. **Brain Res Brain Res Rev** 1991 Jan-Apr;16(1):65–82 (182 ref.)

UDPGAL see URIDINE DIPHOSPHATE GALACTOSE

ULCER

see related
CORNEAL ULCER
PEPTIC ULCER
SKIN ULCER

DRUG THERAPY

Misoprostol. Arns PA. **Am J Med Sci** 1991 Feb;301(2):133–7 (56 ref.)

SURGERY

[Solitary rectal ulcer syndrome: clinical features, clinical course and treatment. Apropos of 22 cases] Costalat G, et al. **Ann Chir** 1990;44(10):807–16 (30 ref.) (Eng. Abstr.) **(Fre)**

ULCER, APHTHOUS see STOMATITIS, APHTHOUS

ULNA

Classification of distal radioulnar joint disorders. Nathan R, et al. **Hand Clin** 1991 May;7(2):239–47 (102 ref.)

INJURIES

Acute injuries of the distal radioulnar joint. Aulicino PL, et al. **Hand Clin** 1991 May;7(2):283–93 (46 ref.)

PHYSIOPATHOLOGY

The ulnar impaction syndrome. Friedman SL, et al. **Hand Clin** 1991 May;7(2):295–310 (29 ref.)

RADIOGRAPHY

Imaging of the distal radioulnar joint. Burk DL Jr, et al. **Hand Clin** 1991 May;7(2):263–75 (26 ref.)

SURGERY

Tenodesis of the chronically unstable distal ulna. Breen TF, et al. **Hand Clin** 1991 May;7(2):355–63 (26 ref.)

Excision of the distal ulna in rheumatoid arthritis. Posner MA, et al. **Hand Clin** 1991 May;7(2):383–90 (44 ref.)

Stabilization of the distal ulna. Webber JB, et al. **Hand Clin** 1991 May;7(2):345–53 (41 ref.)

On the priorities of publication of some operative procedures on the distal end of the ulna. Buck-Gramcko D. **J Hand Surg [Br]** 1990 Nov;15(4):416–20 (37 ref.)

ULNA FRACTURES

SURGERY

On the priorities of publication of some operative procedures on the distal end of the ulna. Buck-Gramcko D. **J Hand Surg [Br]** 1990 Nov;15(4):416–20 (37 ref.)

THERAPY

Treatment of forearm fractures by Hoffman external fixation. A study of 93 patients. Schuind F, et al. **Clin Orthop** 1991 May;(266):197–204 (77 ref.)

Bridging bone gaps with the Ilizarov technique. Biologic principles. Alonso JE, et al. **Clin Plast Surg** 1991 Jul; 18(3):497–504 (29 ref.)

ULNAR NERVE

The role of thoracic outlet syndrome in the double crush syndrome. Narakas AO. **Ann Chir Main Memb Super** 1990; 9(5):331–40 (57 ref.)

Ulnar tunnel syndrome. Strickland JW, et al. **Indiana Med** 1991 Apr;84(4):262–3 (3 ref.)

[The etiology of ulnar nerve compression syndrome] Schaller P, et al. **Handchir Mikrochir Plast Chir** 1990 Sep; 22(5):264–8 (23 ref.) (Eng. Abstr.) **(Ger)**

INJURIES

Ulnar nerve compression in the cyclist's hand: two case reports and review of the literature. Maimaris C, et al. **Br J Sports Med** 1990 Dec;24(4):245–6 (8 ref.)

ULTIMOBRANCHIAL BODY

see related
CALCITONIN

ULTRACENTRIFUGATION

METHODS

Quantitative characterization of reversible molecular associations via analytical centrifugation. Minton AP. **Anal Biochem** 1990 Oct;190(1):1–6 (26 ref.)

ULTRADIAN CYCLES see ACTIVITY CYCLES

ULTRAFILTRATION

Factors affecting ultrafiltration in peritoneal dialysis. Mistry C, et al. **Contrib Nephrol** 1990;85:111–7 (16 ref.)

[Blood-purifying procedures in intensive medicine] Koller W, et al. **Klin Anasthesiol Intensivther** 1991;39:404–19; discussion 420–4 (23 ref.) **(Ger)**

ULTRASONIC DIAGNOSIS see ULTRASONOGRAPHY

ULTRASONIC LITHOTRIPSY see LITHOTRIPSY

ULTRASONIC THERAPY

Ultrasound in the diagnosis and treatment of ovarian cystic tumours. Granberg S, et al. **Hum Reprod** 1991 Feb; 6(2):177–85 (97 ref.)

Current status of the use of ultrasound in endodontics. Stock CJ. **Int Dent J** 1991 Jun;41(3):175–82 (29 ref.)

[Ultrasonics in infertility] Martin M. **Rev Chil Obstet Ginecol** 1988;53(4):238–42 (0 ref.) **(Spa)**

INSTRUMENTATION

[Surgery with invasive performance ultrasound] Heiland L, et al. **Biomed Tech (Berlin)** 1990;35 Suppl 3:318–9 (5 ref.) **(Ger)**

METHODS

Interventional ultrasound. Holm HH. **Br J Radiol** 1991 May; 64(761):379–85 (36 ref.)

[Principles and histologic effects of the treatment of hypertension with focused high-intensity ultrasound] Valtot F, et al. **Ophtalmologie** 1990 Mar-Apr;4(2):135–7 (7 ref.) (Eng. Abstr.) **(Fre)**

ULTRASONICS

Ultrasonic velocimetry of biological compounds. Sarvazyan AP. **Annu Rev Biophys Biophys Chem** 1991;20:321–42 (135 ref.)

The use of Doppler ultrasound in the study of fetal cardiovascular physiology. Hanretty KP, et al. **J Neurosci Methods** 1990 Sep;34(1-3):159–67 (26 ref.)

[New applications of the Doppler effect in urology] Fernández Fernández A, et al. **Arch Esp Urol** 1990 Jul-Aug;43(6):607–12 (46 ref.) (Eng. Abstr.) **(Spa)**

ULTRASONOGRAPHY

The evaluation of blunt abdominal trauma: computed tomography scan, lavage, or sonography? Thal ER, et al. **Adv Surg** 1991;24:201–28 (82 ref.)

Value of ultrasound during the menstrual cycle and early pregnancy. Steer CV. **Br Med Bull** 1990 Jul;46(3):733–52 (81 ref.)

Noninvasive diagnostic assessment of peripheral vascular disease. Barnes RW. **Circulation** 1991 Feb;83(2 Suppl):I20–7 (64 ref.)

Echographic findings in infants with ROP. Mazzeo V, et al. **Doc Ophthalmol** 1990 Mar;74(3):235–44 (36 ref.)

Ultrasound in dentistry. Part 1—Biophysical interactions. Laird WR, et al. **J Dent** 1991 Feb;19(1):14–7 (29 ref.)

Non-pelvic abdominal ultrasound: an overview for emergency physicians. Spitz HB. **J Emerg Med** 1984; 1(6):509–20 (32 ref.)

Frontiers of biliary endoscopy. Cotton PB. **Scand J Gastroenterol Suppl** 1990;175:58–62 (28 ref.)

Sonographic screening for anatomic defects. Holzgreve W. **Semin Perinatol** 1990 Dec;14(6):504–13 (59 ref.)

Operative ultrasound: ten years of experience. Machi J, et al. **Surg Annu** 1991;23 Pt 1:73–90 (32 ref.)

Principles and recent developments in ultrasound contrast agents. de Jong N, et al. **Ultrasonics** 1991 Jul;29(4):324–30 (12 ref.)

[Routine echography detection of severe diseases by the general practitioner (editorial)] Laval-Jeantet M. **Presse Med** 1991 Jun 1;20(21):979–80 (20 ref.) **(Fre)**

[Interventional ultrasonography in gastroenterology has become therapeutic] Schönenberg P, et al. **Rev Med Suisse Romande** 1991 Jun;111(6):511–30 (122 ref.) **(Fre)**

[Significance of transvaginal ultrasonic examination in the first pregnancy trimester] Hernádi L, et al. **Orv Hetil** 1990 Dec 9;131(49):2687–91 (21 ref.) (Eng. Abstr.) **(Hun)**

[Interventional echography] Mayayo Dehesa T, et al. **Arch Esp Urol** 1990 Oct;43(8):883–90 (21 ref.) (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Fundamentals of diagnostic ultrasonography. Noce JP. **Biomed Instrum Technol** 1990 Nov-Dec;24(6):456–9 (5 ref.)

Medical diagnostic ultrasound instrumentation and clinical interpretation. Report of the ultrasonography task force. Council on Scientific Affairs. **JAMA** 1991 Mar 6; 265(9):1155–9 (25 ref.)

[Color-coded blood flow imaging in abdominal vessels] Gebel M. **Bildgebung** 1990;57(3-4):56–63 (34 ref.) (Eng.

Abstr.) (Ger)
[Color coded Doppler angiography in peripheral arterial and venous vascular diagnosis] Mörz B, et al. **Vasa Suppl** 1990; 30:41–2 (18 ref.) (Ger)
[Color Doppler angiography—technical principles from the clinical viewpoint, limits and possibilities] Mörz R. **Vasa Suppl** 1990;30:37–40 (7 ref.) (Ger)
[New methods for assessing gastrointestinal blood flow] Hoffmann U, et al. **Z Gastroenterol** 1991 Jan;29(1):36–40 (16 ref.) (Eng. Abstr.) (Ger)
[The problems in the ultrasonography and its countermeasure] Higashi Y. **Rinsho Hoshasen** 1990 Oct; 35(11):1355–61 (4 ref.) (Eng. Abstr.) (Jpn)

METHODS

Current status of duplex Doppler ultrasound in the examination of the abdominal vasculature. Eidt JF, et al. **Am J Surg** 1990 Dec;160(6):604–9 (35 ref.)
Interventional ultrasound. Holm HH. **Br J Radiol** 1991 May; 64(761):379–85 (36 ref.)
Performance criteria for quantitative ultrasonography and image parameterisation. Hill CR, et al. **Clin Phys Physiol Meas** 1990;11 Suppl A:57–73 (80 ref.)
[Intraoperative use of ultrasound in neurosurgery] Tange MR, et al. **Ugeskr Laeger** 1991 May 27;153(22):1562–7 (24 ref.) (Eng. Abstr.) (Dan)
[Transvaginal echography: a new acquisition] Jansen CA, et al. **Ned Tijdschr Geneeskd** 1990 Nov 3;134(44):2125–30 (28 ref.) (Dut)
[Towards another diagnostic approach of peripheral pulmonary masses in pneumology: ultrasonically guided needle puncture] Targhetta R, et al. **Rev Pneumol Clin** 1991; 47(1):2–8 (15 ref.) (Eng. Abstr.) (Fre)
[Focal liver lesion as an incidental finding. I: Diagnostic management—procedure in sonographically echo-free tumors] Strunk H, et al. **Fortschr Med** 1990 Sep 10; 108(26):495–7 (0 ref.) (Eng. Abstr.) (Ger)

STANDARDS

Doppler colour flow imaging in peripheral arterial disease. Leng GC, et al. **Br J Hosp Med** 1991 Apr;45(4):200, 202, 204–7 (59 ref.)

TRENDS

Noninvasive evaluation of cerebral ischemia. Trends for the 1990s. Tsuruda JS, et al. **Circulation** 1991 Feb;83(2 Suppl):I176–89 (72 ref.)
The future of ultrasonography. Report of the Ultrasonography Task Force. Council on Scientific Affairs, American Medical Association. **JAMA** 1991 Jul 17; 266(3):406–9 (43 ref.)

ULTRASONOGRAPHY, MAMMARY

Breast sonography. Bassett LW, et al. **AJR Am J Roentgenol** 1991 Mar;156(3):449–55 (44 ref.)
The role of US in breast imaging. Jackson VP. **Radiology** 1990 Nov;177(2):305–11 (69 ref.)
[Ultrasound-guided needle biopsy in non-palpable breast lesions. Technic, evaluation, management—72 cases] Lahaye C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991; 20(1):41–9 (16 ref.) (Eng. Abstr.) (Fre)

METHODS

Breast ultrasound in the detection of breast cancer. Lorino CO. **Recent Results Cancer Res** 1990;119:136–40 (7 ref.)

ULTRASONOGRAPHY, PRENATAL

Sonographic diagnosis of the amniotic band syndrome. Burton DJ, et al. **AJR Am J Roentgenol** 1991 Mar; 156(3):555–8 (4 ref.)
Ultrasonographic screening for the Down syndrome fetus. Lockwood CJ, et al. **Am J Obstet Gynecol** 1991 Aug; 165(2):349–52 (20 ref.)
Fetal choroid plexus cysts: a prospective study and review of the literature. Twining P, et al. **Br J Radiol** 1991 Feb; 64(758):98–102 (14 ref.)
Fetuses aren't small children. Leopold GR. **Clin Imaging** 1990 Oct–Dec;14(4):271–9 (34 ref.)
Ultrasound imaging of the cranium and spine. Medearis AL, et al. **Clin Perinatol** 1990 Sep;17(3):597–609 (9 ref.)
Fetal echocardiography: assessment of cardiovascular anatomy and function. Santulli TV Jr. **Clin Perinatol** 1990 Dec;17(4):911–40 (175 ref.)
Congenital urinary tract abnormalities: prenatal and neonatal diagnosis. Angtuaco TL, et al. **Curr Probl Diagn Radiol** 1990 Sep–Oct;19(5):165–98 (139 ref.)
Fetal head molding. Diagnosis by ultrasound and a review of the literature. Carlan SJ, et al. **J Perinatol** 1991 Jun; 11(2):105–11 (15 ref.)
The twin–twin transfusion syndrome. Blickstein I. **Obstet Gynecol** 1990 Oct;76(4):714–22 (66 ref.)
Prenatal diagnosis of fetal left ventricular aneurysm: a case report and review. Jacobson RL, et al. **Obstet Gynecol** 1991 Sep;78(3 (Pt 2)):525–8 (15 ref.)
The role of ultrasound in evaluation of patients with elevated maternal serum alpha-fetoprotein: a review. Watson WJ, et al. **Obstet Gynecol** 1991 Jul;78(1):123–8 (46 ref.)
Management of antenatally diagnosed fetal ovarian cysts. Sakala EP, et al. **Obstet Gynecol Surv** 1991 Jul;46(7):407–14 (43 ref.)
Ultrasonographic diagnosis of a fetal abdominal mass: a case of a mesenchymal liver hamartoma and a review of the literature. Hirata GI, et al. **Prenat Diagn** 1990 Aug; 10(8):507–12 (21 ref.)
Prenatal diagnosis in autosomal dominant Beckwith–Wiedemann syndrome. Viljoen DL, et al. **Prenat Diagn** 1991 Mar;11(3):167–75 (20 ref.)
Fetal ventricle: importance in routine obstetric sonography. Filly RA, et al. **Radiology** 1991 Oct;181(1):1–7 (40 ref.)
Ultrasound of multiple gestations. Benson CB, et al. **Semin Roentgenol** 1991 Jan;26(1):50–62 (58 ref.)
The role of ultrasound in the clinical practice of obstetrics. Cohen AW, et al. **Semin Roentgenol** 1990 Oct;25(4):287–93 (64 ref.)
Transvaginal sonography in extrauterine and intrauterine pregnancy. Coleman BG. **Semin Roentgenol** 1991 Jan; 26(1):63–74 (24 ref.)
Disorders of the fetal thorax and abdomen. Dinsmore BJ, et al. **Semin Roentgenol** 1990 Oct;25(4):334–41 (26 ref.)
Fetal growth disturbances. Doubilet PM, et al. **Semin Roentgenol** 1990 Oct;25(4):309–16 (52 ref.)
Maternal–fetal Doppler sonography: potential or reality. Grant EG. **Semin Roentgenol** 1991 Jan;26(1):75–86 (41 ref.)
Fetal genitourinary tract. Louie A, et al. **Semin Roentgenol** 1990 Oct;25(4):342–52 (57 ref.)
The fetal central nervous system. Nyberg DA. **Semin Roentgenol** 1990 Oct;25(4):317–33 (67 ref.)
Fetal echocardiography. Reed KL. **Semin Ultrasound CT MR** 1991 Feb;12(1):2–10 (14 ref.)
[Diagnostic and prognostic elements of non-immunologic feto-placental anasarca. Review of the literature apropos of 7 new cases] Nguyen Tan Lung R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1990;19(7):869–77 (48 ref.) (Eng. Abstr.) (Fre)
[Diagnostic and clinical value of Doppler sonography of fetal blood vessels] Schramm T, et al. **Bildgebung** 1991; 58(1):10–6 (51 ref.) (Eng. Abstr.) (Ger)
[Practical importance of the exact diagnosis of fetal arrhythmias] Pál A, et al. **Orv Hetil** 1991 Jun 23; 132(25):1359–62 (22 ref.) (Eng. Abstr.) (Hun)
[Neonatal screening and follow-up of congenital hip luxation using echography. Review of the literature and personal contribution on 1421 newborns] Ballerini G, et al. **Radiol Med (Torino)** 1990 Dec;80(6):814–7 (25 ref.) (Eng. Abstr.) (Ita)
[Ultrasonic diagnosis of fetal malformations] Lagalla R, et al. **Radiol Med (Torino)** 1990 Dec;80(6):915–25 (76 ref.) (Ita)
[Between mother and child—early fetal diagnosis as a routine in antenatal care] Schei B. **Tidsskr Nor Laegeforen** 1991 Jun 30;111(17):2118–21 (29 ref.) (Eng. Abstr.) (Nor)

ADVERSE EFFECTS

Update on the safety of ultrasound in obstetrics. Ziskin MC. **Semin Roentgenol** 1990 Oct;25(4):294–8 (12 ref.)

METHODS

Sonography of the fetal heart: findings on the four-chamber view. McGahan JP. **AJR Am J Roentgenol** 1991 Mar; 156(3):547–53 (25 ref.)
Imaging problems in obstetrics. Whittle MJ. **Clin Phys Physiol Meas** 1990;11 Suppl A:109–11 (4 ref.)
Fetal anomalies. Holzgreve PD. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):215–22 (31 ref.)
Chorionic villus sampling and amniocentesis. Silverman NS, et al. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):258–64 (16 ref.)
Prenatal diagnosis of fetal tumors by ultrasonography. Wienk MA, et al. **Obstet Gynecol Surv** 1990 Oct;45(10):639–53 (83 ref.)
Gestational age: what to measure and when. Blum L, et al. **Semin Roentgenol** 1990 Oct;25(4):299–308 (23 ref.)
[Diagnostic possibilities of transvaginal echography in the first trimester of pregnancy] Strizhakov AN, et al. **Akush Ginekol (Mosk)** 1990 Nov;(11):6–9 (43 ref.) (Rus)

STANDARDS

Structural heart disease. Allan LD. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):223–5 (16 ref.)

VETERINARY

Use of ultrasonography in reproductive management of sheep and goat herds. Haibel GK. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):597–613 (17 ref.)

ULTRAVIOLET RAYS

In vivo ultraviolet irradiation of human skin results in profound perturbation of the immune system. Relevance to ultraviolet-induced skin cancer [published erratum appears in Arch Dermatol 1991 Sep;127(9):1368] Baadsgaard O. **Arch Dermatol** 1991 Jan;127(1):99–109 (137 ref.)
DNA repair in mammalian tissues and cells. Krokan HE, et al. **Basic Life Sci** 1990;53:175–90 (84 ref.)
Platelet transfusions irradiated with ultraviolet-B light may have a role in reducing recipient alloimmunization. Tandy NP, et al. **Blood Coagul Fibrinolysis** 1991 Apr;2(2):383–8 (38 ref.)
Ultraviolet radiation and modulation. Roberts LK, et al. **Immunol Ser** 1989;46:167–215 (175 ref.)
Immunomodulation by ultraviolet light: clinical studies and biological effects [published erratum appears in Immunol Today 1991 Jul;12(7):227] Pamphilon DH, et al. **Immunol Today** 1991 Apr;12(4):119–23 (46 ref.)
Photosensitization of cultured cells and viruses by pyrene lipids. Gatt S, et al. **Indian J Biochem Biophys** 1990 Dec; 27(6):359–62 (23 ref.)
Protective role of butylated hydroxytoluene and certain carotenoids in photocarcinogenesis. Black HS, et al. **Photochem Photobiol** 1991 May;53(5):707–16 (71 ref.)
Solar ultraviolet radiation effects on biological systems. Diffey BL. **Phys Med Biol** 1991 Mar;36(3):299–328 (164 ref.)
Ultraviolet radiation effects on immunologic function. Granstein RD. **Reg Immunol** 1990 Mar–Apr;3(2):112–9 (74 ref.)
[The cutaneous immune system and photo-aging] Nikkels AF, et al. **Rev Med Liege** 1991 Mar;46(3):158–63 (23 ref.) (Fre)
[The action of long-wave ultraviolet light on the body] Smyshliaeva AV, et al. **Biol Nauki** 1990;(7):5–20 (98 ref.) (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Longwave ultraviolet radiation and promotion of skin cancer. Matsui MS, et al. **Cancer Cells** 1991 Jan;3(1):8–12 (36 ref.)
Photoimmunology of experimental melanoma. Donawho CK, et al. **Cancer Metastasis Rev** 1991 Jun;10(2):177–88 (32 ref.)
National Institutes of Health summary of the Consensus Development Conference on Sunlight, Ultraviolet Radiation, and the Skin. Bethesda, Maryland, May 8–10, 1989. Consensus Development Panel. **J Am Acad Dermatol** 1991 Apr;24(4):608–12 (0 ref.)
Photocarcinogenesis in the skin. Jung EG. **J Dermatol** 1991 Jan;18(1):1–10 (19 ref.)
The effects of ultraviolet exposure on skin melanin pigmentation. Ortonne JP. **J Int Med Res** 1990;18 Suppl 3:8C–17C (59 ref.)
Photodamaged skin: a medical or a cosmetic concern? Raab WP. **J Int Med Res** 1990;18 Suppl 3:2C–7C (16 ref.)
Tanning with UVB or UVA: an appraisal of risks. Diffey BL, et al. **J Photochem Photobiol B** 1991 Jan;8(2):219–23 (17 ref.)
Photoprotection by melanin. Kollias N, et al. **J Photochem Photobiol B** 1991 May;9(2):135–60 (105 ref.)
Ozone holes and biological consequences. Moan J. **J Photochem Photobiol B** 1991 May;9(2):244–7 (18 ref.)
In vivo evaluation of lenticular phototoxicity. Lerman S. **Lens Eye Toxic Res** 1989;6(1–2):301–8 (30 ref.)
The effect of UV-irradiation on viral infections of the skin. Norval M, et al. **Microbiol Sci** 1986 Jul;3(7):220–3 (25 ref.)
Ocular hazards arising from depletion of the natural atmospheric ozone layer: a review. Charman WN. **Ophthalmic Physiol Opt** 1990 Oct;10(4):333–41 (50 ref.)
Sun-related skin diseases. Prawer SE. **Postgrad Med** 1991 Jun;89(8):51–4, 59–61, 64–6 (20 ref.)
[Influence of ultraviolet rays on the immune system] Schwarz T. **Ann Dermatol Venereol** 1990;117(6–7):471–5 (34 ref.) (Fre)
[Polymorphous light eruption induced by UVA] Vaillant L, et al. **Ann Dermatol Venereol** 1990;117(12):963–4 (8 ref.) (Fre)
[UV spectrum of natural light and tanning equipment. How can physical damage be prevented?] Stickl HA. **Fortschr Med** 1990 Dec 20;108(36):691–3 (27 ref.) (Eng. Abstr.) (Ger)
[Solarium pseudoporphyria. Report of a case and review of the literature] Weiss J, et al. **Hautarzt** 1990 Dec; 41(12):671–4 (18 ref.) (Eng. Abstr.) (Ger)
[Sunlight, ultraviolet radiation and the skin: summary of the National Institute of Health Consensus Development Conference] Alcalay J. **Harefuah** 1991 Jan 15;120(2):102–4 (1 ref.) (Heb)
[Risk evaluation of stratospheric ozone depletion resulting from chlorofluorocarbons (CFC) on human health] Ando M. **Nippon Eiseigaku Zasshi** 1990 Dec;45(5):947–53 (20 ref.) (Eng. Abstr.) (Jpn)
[Life style, sun-bathing and tanning—what about UV-A solariums?] Thune P. **Tidsskr Nor Laegeforen** 1991 Jun 30; 111(17):2085–7 (14 ref.) (Eng. Abstr.) (Nor)
[The consequences of the destruction of the ozone layer for the biosphere] Belousov VV. **Izv Akad Nauk SSSR [Biol]** 1991 Mar–Apr;(2):242–54 (82 ref.) (Rus)

ULTRAVIOLET THERAPY

see related
PHOTOCHEMOTHERAPY

[Use of UV-irradiated autologous blood in obstetrics and gynecology] Grishchenko VI, et al. **Akush Ginekol (Mosk)** 1990 Jul;(7):3–6 (49 ref.) (Rus)
[Use of ultraviolet irradiation of blood in obstetrical and gynecological practice] Matsuev AI, et al. **Akush Ginekol (Mosk)** 1990 Aug;(8):6–10 (89 ref.) (Rus)

METHODS

[New aspects of UV-therapy of atopic dermatitis] Krutmann J, et al. **Hautarzt** 1991 May;42(5):284–8 (39 ref.) (Eng.

Abstr.) (Ger)
[Ultraviolet irradiation of blood in migraine] Taubert K. **Z Arztl Fortbild (Jena)** 1991 Jan 25;85(1–2):43–8 (24 ref.) (Ger)

UMBILICAL ARTERIES

Medication administration via the umbilical arterial catheter: a survey of standard practices and review of the literature. Hodding JH. **Am J Perinatol** 1990 Oct;7(4):329–32 (20 ref.)

UMBILICAL CORD BLOOD see **FETAL BLOOD**

UMBILICAL CYST see **URACHAL CYST**

UMBILICAL HERNIA see **HERNIA, UMBILICAL**

UMBILICUS

The Sister (Mary) Joseph nodule: its significance in gynecology. Majmudar B, et al. **Gynecol Oncol** 1991 Feb; 40(2):152–9 (35 ref.)
Metastatic tumors of the umbilicus: a review 1830–1989. Shetty MR. **J Surg Oncol** 1990 Nov;45(3):212–5 (30 ref.)

UMBRA see **SALMONIDAE**

UMBRELLA FILTERS see **VENA CAVA FILTERS**

UNCONSCIOUS (PSYCHOLOGY)

Free association and changing models of mind. Aron L. **J Am Acad Psychoanal** 1990 Fall;18(3):439–59 (36 ref.)
The concept of dissociation. Counts RM. **J Am Acad Psychoanal** 1990 Fall;18(3):460–79 (24 ref.)
Unconscious perception. Possible implications of data from academic research for clinical practice. Dixon NF, et al. **J Nerv Ment Dis** 1991 May;179(5):243–52 (113 ref.)

UNCONSCIOUSNESS

see related
SYNCOPE

Legal and ethical aspects of deliberate G-induced loss of consciousness experiments. Euretig JG. **Aviat Space Environ Med** 1991 Jul;62(7):628–31 (15 ref.)
Panel summary: from Zen riddle to the razor's edge. Hickman JR Jr. **Aviat Space Environ Med** 1991 Jul;62(7):632–7 (7 ref.)
[Conscious and unconscious awareness during anesthesia—how deep is the patient's sleep?] Holmboe J, et al. **Tidsskr Nor Laegeforen** 1990 Nov 10;110(27):3506–8 (14 ref.) (Eng. Abstr.) (Nor)

ETIOLOGY

Panel on deliberate G-induced loss of consciousness: introduction. Burton RR. **Aviat Space Environ Med** 1991 Jul;62(7):609–11 (17 ref.)
Collapse—on the spot management. Westcott R. **Practitioner** 1990 Aug;234(1493):782–8 (0 ref.)

PHYSIOPATHOLOGY

A review of central nervous system effects of G-induced loss of consciousness on volunteer subjects. Jones DR. **Aviat Space Environ Med** 1991 Jul;62(7):624–7 (17 ref.)
Physiologic bases of G-induced loss of consciousness (G-LOC). Werchan PM. **Aviat Space Environ Med** 1991 Jul;62(7):612–4 (14 ref.)
Medical considerations for human exposure to acceleration-induced loss of consciousness. Whinnery JE. **Aviat Space Environ Med** 1991 Jul;62(7):618–23 (22 ref.)
Eye movements in loss of consciousness (stupor, coma). Troost BT, et al. **Bull Soc Belge Ophtalmol** 1989;237:209–26 (84 ref.)
Consciousness, coma, and the vegetative state: physical basis and definitional character. De Giorgio CM, et al. **Issues Law Med** 1991 Spring;6(4):361–71 (76 ref.)
Can people who are unconscious or in the "vegetative state" perceive pain? McQuillen MP. **Issues Law Med** 1991 Spring;6(4):373–83 (76 ref.)

UNCOUPLING AGENTS

PHARMACOLOGY

Uncouplers of oxidative phosphorylation. Terada H. **Environ Health Perspect** 1990 Jul;87:213–8 (25 ref.)

UNDULANT FEVER see **BRUCELLOSIS**

UNIPOLAR DEPRESSION see **DEPRESSIVE DISORDER**

UNIT DOSE DRUG DISTRIBUTION SYSTEMS see **MEDICATION SYSTEMS**

UNITED STATES AGENCY FOR HEALTH CARE POLICY AND RESEARCH

Patient Outcomes Research Teams and the Agency for Health Care Policy and Research. Salive ME, et al. **Health Serv Res** 1990 Dec;25(5):697–708 (42 ref.)

UNITED STATES CENTERS FOR DISEASE CONTROL see **CENTERS FOR DISEASE CONTROL (U.S.)**

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Regulation of biotechnology by the Environmental Protection Agency. Rogul M, et al. **Biotechnology** 1991; 15:233–65 (28 ref.)
Predicting EPA's forthcoming CO standards in light of new clinical evidence. Graham JD, et al. **Risk Anal** 1991 Jun; 11(2):325–32 (22 ref.)
The U.S. Environmental Protection Agency's risk assessment guidelines. Jarabek AM, et al. **Toxicol Ind Health** 1990 Oct; 6(5):199–216 (14 ref.)

UNITED STATES FOOD AND DRUG ADMINISTRATION

Role of FDA in establishing tolerable levels for dioxin and PCBs in aquatic organisms. Boyer IJ, et al. **J Toxicol Environ Health** 1991 May;33(1):93–101 (21 ref.)

LEGISLATION & JURISPRUDENCE

Investigational drugs and research. Tueting P. **Psychiatr Med** 1991;9(2):333–47 (19 ref.)

UNITED STATES NATIONAL HEALTH INSURANCE see **NATIONAL HEALTH INSURANCE, UNITED STATES**

UNITED STATES NATIONAL INSTITUTE OF MENTAL HEALTH see **NATIONAL INSTITUTE OF MENTAL HEALTH (U.S.)**

UNITED STATES NATIONAL INSTITUTES OF HEALTH see **NATIONAL INSTITUTES OF HEALTH (U.S.)**

UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

The politics of OSHA's standard-setting. Vladeck DC, et al. **Am J Ind Med** 1991;19(6):801–4 (17 ref.)
Technological, economic, and political feasibility in OSHA's Air Contaminants Standard [see comments] Robinson JC, et al. **J Health Polit Policy Law** 1991 Spring;16(1):1–18 (20 ref.) Comment in: J Health Polit Policy Law 1991 Spring;16(1):19–24.

LEGISLATION & JURISPRUDENCE

Current status of Occupational Safety and Health Administration infection control regulations. Crawford JJ. **Dent Clin North Am** 1991 Apr;35(2):309–22 (6 ref.)

UNIVERSITIES

STANDARDS

Universities and the clinical monitoring industry: feckless independents or fruitful partners? Smith BE. **Int J Clin Monit Comput** 1990;7(4):249–58 (23 ref.)

UNIVERSITY HEALTH SERVICES see **STUDENT HEALTH SERVICES**

UNIVERSITY MEDICAL CENTERS see **ACADEMIC MEDICAL CENTERS**

UNKNOWN PRIMARY TUMORS see **NEOPLASMS, UNKNOWN PRIMARY**

UNNA-THOST SYNDROME see **KERATODERMA, PALMOPLANTAR, DIFFUSE**

UNSATURATED DIETARY FATS see **DIETARY FATS, UNSATURATED**

UPHILL TRANSPORT see **BIOLOGICAL TRANSPORT, ACTIVE**

UPPER EXTREMITY see **ARM**

UPPER RESPIRATORY INFECTIONS see **RESPIRATORY TRACT INFECTIONS**

URACHAL CYST

[A case of infected urachal cyst in an 8-year-old boy] Yoshioka M, et al. **Hinyokika Kiyo** 1991 Feb;37(2):183–5 (8 ref.) (Eng. Abstr.) (Jpn)

URACHUS

[Rupture of the bladder and of the urachus in foals. A literature review] Baerveldt MC, et al. **Tijdschr Diergeneeskd** 1991 Mar 1;116(5):221–8 (22 ref.) (Eng. Abstr.) (Dut)
[A case of urachal abscess] Irisawa C, et al. **Hinyokika Kiyo** 1990 Jun;36(6):711–5 (16 ref.) (Eng. Abstr.) (Jpn)
[A case of signet ring cell carcinoma of the urachus] Suzuki H, et al. **Hinyokika Kiyo** 1991 Jun;37(6):633–5 (11 ref.) (Eng. Abstr.) (Jpn)
[Adenocarcinomas of the urachus] Salinas Sánchez AS, et al. **Arch Esp Urol** 1991 Jan–Feb;44(1):31–6 (32 ref.) (Eng. Abstr.) (Spa)

PATHOLOGY

Signet-ring cell carcinoma of urachus: a case report and review of literature. Ravi R. **Arch Esp Urol** 1990 Oct; 43(8):927–9 (20 ref.)

URACIL

ANALOGS & DERIVATIVES

DNA-radicals as structural monitors of direct radiation action: sensitization by incorporation of 5-halouracils. Hüttermann J. **Radiat Environ Biophys** 1991;30(2):71–9 (37 ref.)

METABOLISM

Misincorporation of uracil into DNA as possible contributor to neuronal aging and abiotrophy. Mazzarello P, et al. **Int J Neurosci** 1990 Feb;50(3–4):169–74 (39 ref.)

URACIL ARABINOFURANOSIDE see **ARABINOFURANOSYLURACIL**

URACIL ARABINOSIDE see **ARABINOFURANOSYLURACIL**

URAGOGA see **IPECAC**

URBAN HEALTH

Origins of public health collapse in New York City: the dynamics of planned shrinkage, contagious urban decay and social disintegration. Wallace R, et al. **Bull N Y Acad Med** 1990 Sep–Oct;66(5):391–434 (84 ref.)
The Healthy Cities Project: a challenge for health education. Ashton J. **Health Educ Q** 1991 Spring;18(1):39–48 (28 ref.)
Complex mixtures of urban air pollutants: identification and comparative assessment of mutagenic and tumorigenic chemicals and emission sources. Lewtas J, et al. **IARC Sci Publ** 1990;(104):252–60 (32 ref.)
Pott's disease in urban populations. A report of five cases and a review of the literature [see comments] Ellinas PA, et al. **N Y State J Med** 1990 Dec;90(12):588–91 (20 ref.) Comment in: N Y State J Med 1990 Dec;90(12):585–6.

URBAN HOSPITALS see **HOSPITALS, URBAN**

URBAN POPULATION

Alcohol problems and the city. Room R. **Br J Addict** 1990 Nov;85(11):1395–402 (31 ref.)
Assessment of low level asbestos exposure in the urban environment. Benarde MA. **J R Soc Health** 1991 Apr; 111(2):54–6 (18 ref.)
Human immunodeficiency virus/acquired immunodeficiency syndrome nephropathy in the inner city. Appel GB, et al. **N Y State J Med** 1991 May;91(5):207–10 (13 ref.)

STATISTICS & NUMERICAL DATA

Urban and rural differences in cardiovascular disease in blacks. Keil JE, et al. **Cardiovasc Clin** 1991;21(3):17–28 (22 ref.)

URBAN RENEWAL

see related
HOUSING

URBANIZATION

Urbanisation and health: methodological difficulties in undertaking epidemiological research in developing countries. Yach D, et al. **Soc Sci Med** 1990;31(4):507–14 (43 ref.)

UREA

ADMINISTRATION & DOSAGE

[Clinical experiences of interval treatment with dermatologic agents containing urea] Petres J, et al. **Z Hautkr** 1990 Aug; 65(8):740–5 (46 ref.) (Eng. Abstr.) (Ger)

ANALYSIS

Dielectric-based biosensors. Pethig R. **Biochem Soc Trans** 1991 Feb;19(1):21–5 (16 ref.)

METABOLISM

Importance of glucagon for nitrogen loss in diabetes—via an accelerated hepatic conversion of amino nitrogen to urea nitrogen. Almdal TP. **Dan Med Bull** 1991 Apr;38(2):113–20 (101 ref.)

UREAPLASMA

Perinatal mycoplasmal infections. Cassell GH, et al. **Clin Perinatol** 1991 Jun;18(2):241–62 (84 ref.)

URECHOLINE see **BETHANECHOL COMPOUNDS**

UREMIA

BLOOD

[Comparative study of acetate and bicarbonate hemodialysis in children with chronic uremia] Dobos E, et al. **Orv Hetil** 1991 Aug 11;132(32):1749–54 (37 ref.) (Eng. Abstr.) **(Hun)**

COMPLICATIONS

Cardiac changes in uremia and their possible relation to cardiovascular instability on dialysis. Ritz E, et al. **Contrib Nephrol** 1990;78:221–9 (21 ref.)

Clinical review 20: Recent advances in the pathogenesis and therapy of uremic secondary hyperparathyroidism. Delmez JA, et al. **J Clin Endocrinol Metab** 1991 Apr;72(4):735–9 (7 ref.)

Spontaneous'/uremic hypoglycemia is not a distinct entity: substantiation from a literature review. Toth EL, et al. **Nephron** 1991;58(3):325–9 (31 ref.)

[Cardiomyopathy in uremic patients] Di Giulio S, et al. **G Ital Cardiol** 1990 May;20(5):481–8 (79 ref.) **(Ita)**

[Arrhythmia in uremic patients in hemodialysis treatment] Redaelli B, et al. **G Ital Cardiol** 1990 May;20(5):495–9 (48 ref.) **(Ita)**

[Autonomic disorders in uremia] Zoccali C. **G Ital Cardiol** 1990 May;20(5):489–94 (46 ref.) **(Ita)**

ETIOLOGY

Uraemia—a rare presentation of non-Hodgkin's lymphoma. Badve SS, et al. **Indian J Cancer** 1990 Dec;27(4):217–9 (5 ref.)

The nephrotoxicity of chemotherapeutic agents. Narins RG, et al. **Semin Nephrol** 1990 Nov;10(6):556–64 (89 ref.)

IMMUNOLOGY

[The immune system in uremic adults and children—laboratory and clinical aspects] Schlesinger M, et al. **Harefuah** 1991 Jan 15;120(2):86–8 (39 ref.) **(Heb)**

METABOLISM

Disturbance of growth hormone—insulin-like growth factor axis in uraemia. Implications for recombinant human growth hormone treatment. Tönshoff B, et al. **Pediatr Nephrol** 1990 Nov;4(6):654–62 (76 ref.)

PHYSIOPATHOLOGY

Cardiovascular function in hemodialysis patients. London GM, et al. **Adv Nephrol Necker Hosp** 1991;20:249–73 (78 ref.)

Contrast nephropathy in azotemic diabetic patients undergoing coronary angiography. Manske CL, et al. **Am J Med** 1990 Nov;89(5):615–20 (26 ref.)

Cardiovascular system in continuous ambulatory peritoneal dialysis. Giangrande A. **Contrib Nephrol** 1990;84:52–9 (42 ref.)

Growth in uremic rats on different diets. Laouari D, et al. **Contrib Nephrol** 1990;81:142–53 (23 ref.)

Autonomic nervous system dysfunction in uraemia. Campese VM. **Nephrol Dial Transplant** 1990;5 Suppl 1:98–101 (35 ref.)

Cardiac changes in uraemia and their possible relationship to cardiovascular instability on dialysis. Ritz E, et al. **Nephrol Dial Transplant** 1990;5 Suppl 1:93–7 (21 ref.)

[The circulatory system and hydrosodium volumes in chronic uremia] Cannella G. **G Ital Cardiol** 1990 May;20(5):438–48 (54 ref.) **(Ita)**

THERAPY

Management of uremic bleeding [see comments] Couch P, et al. **Clin Pharm** 1990 Sep;9(9):673–81 (94 ref.) Comment in: Clin Pharm 1991 Jun;10(6):429.

Peritoneal dialysis improves uremic endocrine disorders. Maher JF. **Contrib Nephrol** 1990;84:45–51 (22 ref.)

[Uremic middle-molecule toxins and their removal in hemofiltration] Kazakov IV, et al. **Urol Nefrol (Mosk)** 1991 Jan-Feb;(1):67–73 (119 ref.) **(Rus)**

URETER

[Complications and limitations of pelvic ureter endoscopy] Dormia G, et al. **Arch Ital Urol Nefrol Androl** 1990 Dec; 62(4):419–21 (4 ref.) (Eng. Abstr.) **(Ita)**

ABNORMALITIES

Incomplete quadruplication of urinary tract with contralateral agenesis of the kidney. Bolkier M, et al. **Eur Urol** 1991;19(3):267–8 (8 ref.)

Diagnosis and treatment of retrocaval ureter. Zhang XD, et al. **Eur Urol** 1990;18(3):207–10 (12 ref.)

Ureteral triplication and ureterocele: report of 3 cases and review of the literature. Gosalbez R Jr, et al. **J Urol** 1991 Jan;145(1):105–8 (12 ref.)

Left infrarenal region: anatomic variants, pathologic conditions, and diagnostic pitfalls. Gay SB, et al. **Radiographics** 1991 Jul;11(4):549–70 (30 ref.)

Radiographic manifestations of congenital anomalies of the lower urinary tract. Herman TE, et al. **Radiol Clin North Am** 1991 Mar;29(2):365–82 (57 ref.)

Bifid blind-ending ureter—a case report. Lam HS. **Singapore Med J** 1991 Feb;32(1):84–6 (13 ref.)

[Ectopic implantation of the ureter. Apropos of 2 cases] Barkia A, et al. **Acta Urol Belg** 1990;58(3):125–31 (15 ref.) (Eng. Abstr.) **(Fre)**

[A bifid ureter with a blind branch. Apropos of a case] Naudin M, et al. **Ann Urol (Paris)** 1991;25(1):34–7 (15 ref.) (Eng. Abstr.) **(Fre)**

[Vesicorenal reflux and ureteral duplication. Study of 62 cases] Dore B, et al. **J Urol (Paris)** 1990;96(6):303–10 (23 ref.) (Eng. Abstr.) **(Fre)**

[Cockett's syndrome and retro-iliac ureter. A previously unknown and original association apropos of a case and review of the literature] Morlier D, et al. **J Urol (Paris)** 1990;96(4):223–6 (31 ref.) (Eng. Abstr.) **(Fre)**

[Ectopic ureter in infancy and childhood] Pintér A, et al. **Orv Hetil** 1991 May 26;132(21):1143–8 (26 ref.) (Eng. Abstr.) **(Hun)**

[Blind ending bifid ureter with stone in the blind branch: report of a case] Inoue H, et al. **Hinyokika Kiyo** 1991 May; 37(5):523–5 (10 ref.) (Eng. Abstr.) **(Jpn)**

[Primary megaureter which showed aplasia of the muscle bundles on all dilated portions: a case report] Nakatake N, et al. **Hinyokika Kiyo** 1991 Jun;37(6):629–32 (21 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

[Use of isolated intestinal segments in operative urology. Urinary drainage, urinary diversion, ureteral and bladder replacement] Müller-Mattheis V, et al. **Med Klin** 1991 Jan 15;86(1):35–41 (73 ref.) **(Ger)**

URETERAL CALCULI

CHEMISTRY

[Silica calculi: a case report] Nishikawa Y, et al. **Hinyokika Kiyo** 1991 Jun;37(6):625–7 (19 ref.) (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

[Blind ending bifid ureter with stone in the blind branch: report of a case] Inoue H, et al. **Hinyokika Kiyo** 1991 May; 37(5):523–5 (10 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Laser lithotripsy of ureteral calculi. Hofmann R, et al. **Urol Res** 1990;18 Suppl 1:S49–55 (21 ref.)

[The treatment of pelvic ureteral calculi using the Dornier lithotripter. Apropos of 20 cases] Cirot T, et al. **Ann Urol (Paris)** 1990;24(6):495–9 (8 ref.) (Eng. Abstr.) **(Fre)**

[Experience with ESWL treatment of giant kidney and ureteral calculi (based on 1400 cases)] Kovács A, et al. **Orv Hetil** 1990 Dec 30;131(52):2873–5 (13 ref.) (Eng. Abstr.) **(Hun)**

[Ureteral lithotripsy with rigid ureteroscopy and pulsed dye laser] Scarpa RM, et al. **Arch Ital Urol Nefrol Androl** 1991 Mar;63(1):119–24 (11 ref.) (Eng. Abstr.) **(Ita)**

[Complications and limitations of ureteroscopy] Valente R, et al. **Arch Ital Urol Nefrol Androl** 1990 Dec;62(4):411–7 (9 ref.) (Eng. Abstr.) **(Ita)**

URETERAL DISEASES

Megaureters in children. Dvořáček J. **Acta Univ Carol [Med Monogr] (Praha)** 1990;136:1–215 (234 ref.)

Arterial-ureteral fistula: case study with review of published reports. Dyke CM, et al. **Ann Vasc Surg** 1991 May; 5(3):282–5 (40 ref.)

[Ureteral colic] D'Imperio M, et al. **AMB Rev Assoc Med Bras** 1990 Jan-Mar;36(1):18–20 (21 ref.) **(Por)**

[Uretero-iliac fistula: presentation of a case and review of the literature] Isa Kroon WA, et al. **Actas Urol Esp** 1991 Jan-Feb;15(1):66–8 (18 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

[Cockett's syndrome and retro-iliac ureter. A previously unknown and original association apropos of a case and review of the literature] Morlier D, et al. **J Urol (Paris)** 1990;96(4):223–6 (31 ref.) (Eng. Abstr.) **(Fre)**

[Cystic ureteritis. Presentation of a new case and review of the most recent national literature] Luque Arana JI, et al. **Arch Esp Urol** 1990 Jul-Aug;43(6):668–71 (28 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Multiple ureteral diverticula: report of 2 cases and review of the literature. Wynant HP, et al. **Eur Urol** 1990; 18(4):309–10 (10 ref.)

[Pyeloureteritis cystica diagnosed by using a ureteroscope: a case report] Hashimoto S, et al. **Hinyokika Kiyo** 1991 Apr;37(4):385–7 (11 ref.) (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Ureteral obstruction and ureteral fistulas after aortofemoral or aortoiliac bypass surgery. Blasco FJ, et al. **J Urol** 1991 Feb;145(2):237–42 (95 ref.)

Urological manifestations of the Melnick-Needles syndrome: a case report and review of the literature. LaMontagne AE. **J Urol** 1991 May;145(5):1020–1 (13 ref.)

Is eosinophilic ureteritis an entity? 2 case reports and review. Spark RP, et al. **J Urol** 1991 Jun;145(6):1256–60 (29 ref.)

[Localized amyloidosis of the ureter: a case report] Irisawa C, et al. **Hinyokika Kiyo** 1991 Jan;37(1):73–6 (17 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

[Complications of rigid ureteroscopy] Vicente J, et al. **Actas Urol Esp** 1991 Jan-Feb;15(1):55–8 (24 ref.) (Eng. Abstr.) **(Spa)**

URETERAL NEOPLASMS

[Simultaneous occurrence of renal cell and transitional cell carcinoma in the same kidney and ureter. A case report] Kimura F, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Aug;81(8):1251–4 (13 ref.) (Eng. Abstr.) **(Jpn)**

[Epithelial tumors of the upper urinary tract] Pérez Garnelo MJ, et al. **Actas Urol Esp** 1991 Jan-Feb;15(1):18–24 (41 ref.) (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

[Carcinoma of the ureter after long-term use of analgesic [phenacetin derivative]—report of the two cases (spouses)] Miyauchi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Dec;81(12):1908–11 (8 ref.) (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

[Ureteral stenosis due to endometriosis: a case report] Iwasaki M, et al. **Hinyokika Kiyo** 1991 Feb;37(2):179–82 (27 ref.) (Eng. Abstr.) **(Jpn)**

[Unilateral hydronephrosis with hypertension due to ureteral endometriosis] Sekihara T, et al. **Hinyokika Kiyo** 1990 Sep; 36(9):1069–72 (14 ref.) (Eng. Abstr.) **(Jpn)**

[Ectopic ureter in seminal vesicle with cystic dysplasia. A clinical case and review of the literature] Soler Fernández JM, et al. **Actas Urol Esp** 1990 Nov-Dec;14(6):447–50 (40 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Ureteral stump carcinoma incidentally found at cystectomy for bladder cancer. Kinzler GJ, et al. **Urology** 1991 Mar; 37(3):273–6 (21 ref.)

[Primary carcinoma in situ of the ureter: a case report] Kobayashi Y, et al. **Hinyokika Kiyo** 1990 Nov; 36(11):1325–8 (4 ref.) (Eng. Abstr.) **(Jpn)**

[A case of small cell carcinoma of the ureter] Sakai N, et al. **Hinyokika Kiyo** 1990 Dec;36(12):1455–8 (14 ref.) (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Mixed mesodermal tumours of the ureter. Kini U, et al. **J Surg Oncol** 1991 Mar;46(3):208–10 (6 ref.)

Bilateral ureteral inverted papillomas in association with bladder carcinoma: a case report and review of the literature. Mulkens TH, et al. **Urol Radiol** 1990;12(3):154–6 (10 ref.)

[Transitional cell carcinoma of the ureter with an inverted growth pattern which was accompanied with bladder tumor: a case report] Tamura Y, et al. **Hinyokika Kiyo** 1990 Aug;36(8):945–8 (22 ref.) (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

[Ureteral endometriosis: a case report] Irisawa C, et al. **Hinyokika Kiyo** 1991 Apr;37(4):389–92 (15 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

[Inverted papilloma of the ureter. Review and treatment criteria] Martín-Laborda y Bergasa F, et al. **Arch Esp Urol** 1990 Sep;43(7):749–54 (30 ref.) (Eng. Abstr.) **(Spa)**

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the kidney, renal pelvis and ureter. Hard GC. **IARC Sci Publ** 1990;(99):301–44 (116 ref.)

URETERAL OBSTRUCTION

COMPLICATIONS

[Obstructive urine transport disorders of the upper urinary tract—pelvi-ureteral obstruction] Oesterwitz H, et al. **Z Urol Nephrol** 1990 Jul;83(7):329–39 (59 ref.) (Eng. Abstr.) **(Ger)**

CONGENITAL

Renal response to ureteral obstruction in early development. Chevalier RL. **Nephron** 1990;56(2):113–7 (33 ref.)

DIAGNOSIS

Contemporary concepts in imaging urinary tract obstruction. Cronan JJ. **Radiol Clin North Am** 1991 May;29(3):527–42 (44 ref.)

[Obstruction of the pyelo–ureteral junction in adults. Diagnostic and therapeutic management] Rodríguez Vela L, et al. **Arch Esp Urol** 1989 Sep;42(7):629–46 (74 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Obstructive acute renal failure by a gravid uterus: a case report and review. Brandes JC, et al. **Am J Kidney Dis** 1991 Sep;18(3):398–401 (19 ref.)

Ureteral obstruction after abdominal aortic surgery. Schein M, et al. **Am J Surg** 1991 Jul;162(1):86–9 (45 ref.)

Ureteral obstruction and ureteral fistulas after aortofemoral or aortoiliac bypass surgery. Blasco FJ, et al. **J Urol** 1991 Feb;145(2):237–42 (95 ref.)

A complex ileovaginal fistula with associated obstructive uropathy in a patient with Crohn's disease: technical considerations and review of the literature. Baird DR, et al. **South Med J** 1991 Mar;84(3):389–91 (13 ref.)

[Pyelo–ureteral junction syndrome in a transplanted kidney] Héritier P, et al. **Ann Urol (Paris)** 1990;24(6):473–5 (6 ref.) (Eng. Abstr.) **(Fre)**

[Ureteral stenosis in pancreatitis. Role and value of the double J tube] Janin P, et al. **J Urol (Paris)** 1990;96(7):381–5 (11 ref.) (Eng. Abstr.) **(Fre)**

[Obstructive urine transport disorders of the upper urinary tract—pregnancy and iatrogenic lesions] Oesterwitz H, et al. **Z Urol Nephrol** 1990 Aug;83(8):405–10 (8 ref.) (Eng. Abstr.) **(Ger)**

[Obstructive disorders of urine transport of the upper urinary tract—benign and malignant retroperitoneal fibrosis] Oesterwitz H, et al. **Z Urol Nephrol** 1990 Dec;83(12):649–56 (18 ref.) (Eng. Abstr.) **(Ger)**

[Obstructive disorders of urine transport in the upper urinary tract—vascular and inflammatory causes] Oesterwitz H, et al. **Z Urol Nephrol** 1990 Nov;83(11):589–96 (25 ref.) (Eng. Abstr.) **(Ger)**

[Ureteral stenosis due to endometriosis: a case report] Iwasaki M, et al. **Hinyokika Kiyo** 1991 Feb;37(2):179–82 (27 ref.) (Eng. Abstr.) **(Jpn)**

[Obstructive uropathy in genital prolapse] Arrizabalaga M, et al. **Actas Urol Esp** 1990 Jul–Aug;14(4):245–51 (20 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Suspected pyelo–ureteral junction obstruction in the fetus: when to do what? II. Experimental viewpoints. Josephson S. **Eur Urol** 1991;19(2):132–8 (71 ref.)

Counterbalance in functional adaptation to ureteral obstruction during development. Chevalier RL. **Pediatr Nephrol** 1990 Jul;4(4):442–4 (16 ref.)

Effects of obstruction on renal functions. Klahr S, et al. **Pediatr Nephrol** 1988 Jan;2(1):34–42 (60 ref.)

Pathophysiology of obstructive nephropathy: a 1991 update. Klahr S. **Semin Nephrol** 1991 Mar;11(2):156–68 (68 ref.)

[Pathophysiology and clinical significance of obstructive nephropathy] Oesterwitz H. **Z Urol Nephrol** 1990 Jun; 83(6):285–9 (16 ref.) (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Interventions in renal scintigraphy. Fine EJ. **Semin Nucl Med** 1991 Apr;21(2):116–27 (57 ref.)

SURGERY

Suspected pyelo–ureteral junction obstruction in the fetus: when to do what? I. A clinical update. Josephson S. **Eur Urol** 1990;18(4):267–75 (107 ref.)

[Obstruction of the pyelo–ureteral junction in adults. Diagnostic and therapeutic management] Rodríguez Vela L, et al. **Arch Esp Urol** 1989 Sep;42(7):629–46 (74 ref.) (Eng. Abstr.) **(Spa)**

ULTRASONOGRAPHY

Ultrasonography in the diagnosis of renal obstruction [see comments] Webb JA. **BMJ** 1990 Oct 27;301(6758):944–6 (32 ref.) Comment in: BMJ 1990 Nov 17;301(6761):1161–2.

URETEROCELE

DIAGNOSIS

Ureteral triplication and ureterocele: report of 3 cases and review of the literature. Gosalbez R Jr, et al. **J Urol** 1991 Jan;145(1):105–8 (12 ref.)

URETEROLITHIASIS see **URETERAL CALCULI**

URETHANE

see related
POLYURETHANES

TOXICITY

Ethyl carbamate: analytical methodology, occurrence, formation, biological activity and risk assessment. Zimmerli B, et al. **Mutat Res** 1991 Mar–Apr;259(3–4):325–50 (172 ref.)

URETHRA

[External urethral sphincter] Yachiku S. **Nippon Hinyokika Gakkai Zasshi** 1989;80(13 Suppl):1855–65 (50 ref.) **(Jpn)**

ABNORMALITIES

Radiographic manifestations of congenital anomalies of the lower urinary tract. Herman TE, et al. **Radiol Clin North Am** 1991 Mar;29(2):365–82 (57 ref.)

[Congenital mega–urethra. A case] Dodat H, et al. **Pediatrie** 1991;46(4):337–41 (13 ref.) (Eng. Abstr.) **(Fre)**

[Complete duplication of the urethra in males, associated with esophageal atresia: 2 cases] Agra Cadarso B, et al. **Cir Pediatr** 1989 Apr;2(2):83–5 (8 ref.) (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Male urethral sphincteric anatomy and radical prostatectomy. Myers RP. **Urol Clin North Am** 1991 May;18(2):211–27 (74 ref.)

INJURIES

Gracilis myocutaneous flap for the coverage of an extensive scrotoperineal defect and protection of the ruptured urethra and testes. Lee YT, et al. **Yonsei Med J** 1990 Jun; 31(2):187–91 (19 ref.)

INNERVATION

The dual function of capsaicin–sensitive sensory nerves in the bladder and urethra. Maggi CA. **Ciba Found Symp** 1990; 151:77–83; discussion 83–90 (21 ref.)

PHYSIOPATHOLOGY

Detrusor–external sphincter dyssynergia. Chancellor MB, et al. **Ciba Found Symp** 1990;151:195–206; discussion 207–13 (50 ref.)

Urethral mobility and its relationship to stress incontinence in women. Walters MD, et al. **J Reprod Med** 1990 Aug; 35(8):777–84 (65 ref.)

SURGERY

Artificial sphincters. Mundy AR. **Br J Urol** 1991 Mar; 67(3):225–9 (5 ref.)

Needle suspension procedures for urinary stress incontinence: a review and historical perspective. Cornella JL, et al. **Obstet Gynecol Surv** 1990 Dec;45(12):805–16 (27 ref.)

Incontinence after augmentation cystoplasty and internal diversion. Schiff SF, et al. **Urol Clin North Am** 1991 May; 18(2):383–92 (54 ref.)

[Hypospadias] Koyanagi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1990 Nov;81(11):1609–17 (75 ref.) **(Jpn)**

[Complete duplication of the urethra in males, associated with esophageal atresia: 2 cases] Agra Cadarso B, et al. **Cir Pediatr** 1989 Apr;2(2):83–5 (8 ref.) (Eng. Abstr.) **(Spa)**

URETHRAL DISEASES

COMPLICATIONS

Treatment of female incontinence secondary to urethral damage or loss. Blaivas JG. **Urol Clin North Am** 1991 May; 18(2):355–63 (50 ref.)

[Diverticulum of the male urethra associated with calculosis. A clinical contribution] Rizza G, et al. **G Chir** 1988 Nov; 9(11):779–82 (8 ref.) (Eng. Abstr.) **(Ita)**

[Nephrogenic adenoma in urethral diverticulum in women] Pamplona M, et al. **Actas Urol Esp** 1990 Jul–Aug; 14(4):277–8 (19 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Rare diseases of the posterior urethra in males] Olszówka Z, et al. **Pol Tyg Lek** 1989 Sep 4–25;44(36–39):855–7 (14 ref.) (Eng. Abstr.) **(Pol)**

PATHOLOGY

[A case of nephrogenic adenoma in the female urethral diverticulum] Miyake O, et al. **Hinyokika Kiyo** 1990 Oct; 36(10):1189–92 (21 ref.) (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

[Female urethral diverticulum with lithiasis] Garrido Rivas C, et al. **Arch Esp Urol** 1990 Oct;43(8):911–4 (20 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Surgical treatment of concomitant urethral diverticulum and stress incontinence. Bass JS, et al. **Urol Clin North Am** 1991 May;18(2):365–73 (28 ref.)

THERAPY

[Approach to urinary tract disorders in postmenopausal women] Fernandes CE, et al. **Rev Paul Med** 1990 Sep–Oct; 108(5):230–5 (18 ref.) (Eng. Abstr.) **(Por)**

URETHRAL NEOPLASMS

Paraganglioma of urethra. Badalament RA, et al. **Urology** 1991 Jul;38(1):76–8 (15 ref.)

[Primary transitional–cell carcinoma of the male anterior urethra] Verrini G, et al. **Minerva Urol Nefrol** 1990 Jul–Sep; 42(3):159–61 (10 ref.) (Eng. Abstr.) **(Ita)**

[Urethral condylomata acuminata: management and review of the literature (published erratum appears in Arch Esp Urol 1990;43 Suppl 2:243)] Ruiz Rubio JL, et al. **Arch Esp Urol** 1990 Nov–Dec;43(9):955–9 (40 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

[Nephrogenic adenoma in urethral diverticulum in women] Pamplona M, et al. **Actas Urol Esp** 1990 Jul–Aug; 14(4):277–8 (19 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Ectopic prostatic polyp preoperatively diagnosed as bladder tumor: a case report] Ishida T, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1337–41 (25 ref.) (Eng. Abstr.) **(Jpn)**

[Polyps of the posterior urethra: presentation of a new case] López Vázquez F, et al. **Actas Urol Esp** 1990 Sep–Oct; 14(5):385–6 (15 ref.) (Eng. Abstr.) **(Spa)**

EPIDEMIOLOGY

Transitional cell carcinoma of distal female urethra. Linn R, et al. **Int Urol Nephrol** 1990;22(3):275–7 (7 ref.)

PATHOLOGY

Pagetoid carcinomatous involvement of the penile urethra in association with high–grade transitional cell carcinoma of the urinary bladder. Bégin LR, et al. **Arch Pathol Lab Med** 1991 Jun;115(6):632–5 (13 ref.)

Primary malignant melanoma of male urethra. Calcagno L, et al. **Urology** 1991 Apr;37(4):366–8 (24 ref.)

[Multiple condylomata of the urethra and bladder disclosing HIV infection] Asvesti C, et al. **Ann Urol (Paris)** 1991; 25(3):146–9 (23 ref.) (Eng. Abstr.) **(Fre)**

[Inverted papilloma associated with transitional cell carcinoma in the upper urinary tract: report of one case and review of the literature] Annoscia S, et al. **Arch Ital Urol Nefrol Androl** 1990 Sep;62(3):333–7 (18 ref.) (Eng. Abstr.) **(Ita)**

[A case of nephrogenic adenoma in the female urethral diverticulum] Miyake O, et al. **Hinyokika Kiyo** 1990 Oct; 36(10):1189–92 (21 ref.) (Eng. Abstr.) **(Jpn)**

[Two cases of benign polyps of the posterior urethra (ectopic prostatic tissue)] Tada K, et al. **Hinyokika Kiyo** 1990 Jun; 36(6):717–20 (19 ref.) (Eng. Abstr.) **(Jpn)**

VETERINARY

Clinical approach to vaginal/vestibular masses in the bitch. Manothaiudom K, et al. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):509–21 (53 ref.)

URETHRAL OBSTRUCTION

CONGENITAL

[Congenital obstructive valves and diverticula of the anterior urethra] Jehannin B. **Chir Pediatr** 1990;31(3):173–80 (33 ref.) (Eng. Abstr.) **(Fre)**

THERAPY

Prostatic urethroplasty with balloon catheter as a nonsurgical alternative for benign prostatic hyperplasia. Castaneda F, et al. **Radiol Clin North Am** 1991 May;29(3):591–603 (32 ref.)

URETHRAL STRICTURE

CONGENITAL

Familial occurrence of congenital stricture of bulbar urethra. Aragona F, et al. **Urol Int** 1991;46(1):112–3 (17 ref.)

SURGERY

Current concepts in the management of urethral strictures. Naude JH. **Surg Annu** 1991;23 Pt 2:69–80 (22 ref.)

[A continuously revised problem: the treatment of stenosis of the male urethra] Ballesteros Sampol JJ. **Actas Urol Esp** 1991 Jan–Feb;15(1):1–11 (44 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

[A continuously revised problem: the treatment of stenosis of the male urethra] Ballesteros Sampol JJ. **Actas Urol Esp** 1991 Jan–Feb;15(1):1–11 (44 ref.) (Eng. Abstr.) **(Spa)**

[Conservative treatment of urethral stenosis in childhood] Luque Mialdea R, et al. **Cir Pediatr** 1989 Apr;2(2):64–8

(28 ref.) (Eng. Abstr.) **(Spa)**

URETHRITIS

ETIOLOGY

Approach to men with urethritis and urologic complications of sexually transmitted diseases. Bowie WR. **Med Clin North Am** 1990 Nov;74(6):1543–57 (17 ref.)

Urethritis in men. Fowler JE Jr. **Semin Urol** 1991 Feb; 9(1):15–27 (87 ref.)

[Urethritis] Forster RF. **AMB Rev Assoc Med Bras** 1990 Jan–Mar;36(1):45–50 (58 ref.) **(Por)**

URIC ACID

ANALYSIS

Prophylaxis of uric acid and cystine stones. Hess B. **Urol Res** 1990;18 Suppl 1:S41–4 (30 ref.)

ANTAGONISTS & INHIBITORS

[Three decades of alkalizing treatment of urolithiasis] Cifuentes Delatte L. **An R Acad Nac Med (Madr)** 1990; 107(2):353–63 (14 ref.) **(Spa)**

BLOOD

Strategies and controversies in the treatment of gout and hyperuricaemia. Fam AG. **Baillieres Clin Rheumatol** 1991 Aug;4(2):177–92 (40 ref.)

Gout and hyperuricemia. Wise CM, et al. **Curr Opin Rheumatol** 1990 Oct;2(5):783–8 (18 ref.)

Drugs to lower uric acid levels. How to avoid misuse in gouty arthritis. Edwards NL. **Postgrad Med** 1991 Feb 1; 89(2):111–3, 116 (6 ref.)

Gout and hyperuricemia. Roubenoff R. **Rheum Dis Clin North Am** 1990 Aug;16(3):539–50 (36 ref.)

[Hyperuricemia: a laboratory finding needing treatment?] Keller C. **Verh Dtsch Ges Inn Med** 1990;96:188–92 (19 ref.) **(Ger)**

[Screening for enzyme abnormality causing hyperuricemia] Higashino K, et al. **Nippon Rinsho** 1991 May;49(5):1009–15 (21 ref.) **(Jpn)**

[The management of hyperuricemic patients associated with hypertension] Hirata M, et al. **Nippon Rinsho** 1991 May; 49(5):1156–61 (24 ref.) **(Jpn)**

[Drug-induced hyperuricemia with decreased renal excretion of urate] Hosoya T, et al. **Nippon Rinsho** 1991 May; 49(5):1060–4 (28 ref.) **(Jpn)**

[Renal handling of urate and hyperuricemia due to under-excretion of urate] Itakura M. **Nippon Rinsho** 1991 May;49(5):1050–4 (22 ref.) **(Jpn)**

[The prognosis of gout and hyperuricemia—the effect of the treatment on prognosis] Iwatani M, et al. **Nippon Rinsho** 1991 May;49(5):1124–30 (17 ref.) **(Jpn)**

[Pathogenesis and classification of hyperuricemia] Jinguji Y, et al. **Nippon Rinsho** 1991 May;49(5):1016–24 (16 ref.) **(Jpn)**

[Definition of hyperuricemia and methods for serum urate determination] Kamatani N. **Nippon Rinsho** 1991 May; 49(5):994–8 (14 ref.) **(Jpn)**

[Hyperuricemia and restriction of alcoholic beverages] Kaneko K. **Nippon Rinsho** 1991 May;49(5):1108–15 (21 ref.) **(Jpn)**

[Clinical course and management of asymptomatic hyperuricemia] Nishida Y. **Nippon Rinsho** 1991 May; 49(5):1086–92 (20 ref.) **(Jpn)**

[New concept of the pathogenesis of gout and hyperuricemia] Nishioka K. **Nippon Rinsho** 1991 May;49(5):1025–9 (10 ref.) **(Jpn)**

[Dietary guidance for hyperuricemia and gout: its principle and practice] Nishizawa T. **Nippon Rinsho** 1991 May; 49(5):1102–7 (14 ref.) **(Jpn)**

[Therapy of the gouty patients with ischemic heart diseases or cerebral vascular diseases] Takeuchi F. **Nippon Rinsho** 1991 May;49(5):1137–43 (20 ref.) **(Jpn)**

[Advances in drugs used to normalize hyperuricemia] Tofuku Y, et al. **Nippon Rinsho** 1991 May;49(5):1081–5 (15 ref.) **(Jpn)**

[Medical control of uric acid in patients with gout—desirable level of serum uric acid and the choice of drugs] Yamanaka H. **Nippon Rinsho** 1991 May;49(5):1093–101 (28 ref.) **(Jpn)**

[The genetic basis of hyperuricemia due to a decrease in renal urate secretion] Yamanouchi T, et al. **Nippon Rinsho** 1991 May;49(5):1055–9 (7 ref.) **(Jpn)**

METABOLISM

Role of uric acid as an endogenous radical scavenger and antioxidant. Becker BF, et al. **Chest** 1991 Sep;100(3 Suppl):176S–181S (28 ref.)

[Drug-induced hyperuricemia with decreased renal excretion of urate] Hosoya T, et al. **Nippon Rinsho** 1991 May; 49(5):1060–4 (28 ref.) **(Jpn)**

[Myogenic hyperuricemia] Mineo I, et al. **Nippon Rinsho** 1991 May;49(5):1043–9 (20 ref.) **(Jpn)**

[Neurological aspects of microcrystalline arthropathies] Siniachenko OV, et al. **Sov Med** 1991;(4):31–3 (49 ref.) **(Rus)**

PHARMACOKINETICS

[Urate clearance test as a useful clinical examination for investigating urate metabolism abnormalities] Nakamura T, et al. **Nippon Rinsho** 1991 May;49(5):999–1008 (16 ref.) **(Jpn)**

URINE

Gout and hyperuricemia. Wolfe F. **Am Fam Physician** 1991 Jun;43(6):2141–50 (37 ref.)

Angiotensin I converting enzyme inhibitors and the renal excretion of urate. Leary WP, et al. **Cardiovasc Drugs Ther** 1987;1(1):29–38 (41 ref.)

[Renal handling of urate and hyperuricemia due to under-excretion of urate] Itakura M. **Nippon Rinsho** 1991 May;49(5):1050–4 (22 ref.) **(Jpn)**

URICOSURIC AGENTS

Angiotensin I converting enzyme inhibitors and the renal excretion of urate. Leary WP, et al. **Cardiovasc Drugs Ther** 1987;1(1):29–38 (41 ref.)

THERAPEUTIC USE

[Advances in drugs used to normalize hyperuricemia] Tofuku Y, et al. **Nippon Rinsho** 1991 May;49(5):1081–5 (15 ref.) **(Jpn)**

URIDINE DIPHOSPHATE GALACTOSE

METABOLISM

[Severe neurologic course of galactosemia. Default of myelisation caused by deficient synthesis of UDP-galactose?] Choulot JJ, et al. **Arch Fr Pediatr** 1991 Apr;48(4):267–9 (7 ref.) (Eng. Abstr.) **(Fre)**

URIDINE DIPHOSPHOGALACTOSE see **URIDINE DIPHOSPHATE GALACTOSE**

URIDINE PYROPHOSPHOGALACTOSE see **URIDINE DIPHOSPHATE GALACTOSE**

URIDYLATE 5'-NUCLEOTIDASE see **5'-NUCLEOTIDASE**

URINARY CALCULI

CHEMISTRY

Stone analysis. Asper R. **Urol Res** 1990;18 Suppl 1:S9–12 (11 ref.)

Physico-chemical aspects of calcium stone formation. Baumann JM. **Urol Res** 1990;18 Suppl 1:S25–30 (36 ref.)

[Silicate urolithiasis: a case report] Irisawa C, et al. **Hinyokika Kiyo** 1991 Mar;37(3):267–71 (20 ref.) (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

[Diverticulum of the male urethra associated with calculosis. A clinical contribution] Rizza G, et al. **G Chir** 1988 Nov; 9(11):779–82 (8 ref.) (Eng. Abstr.) **(Ita)**

DRUG THERAPY

[Three decades of alkalizing treatment of urolithiasis] Cifuentes Delatte L. **An R Acad Nac Med (Madr)** 1990; 107(2):353–63 (14 ref.) **(Spa)**

EPIDEMIOLOGY

Epidemiology of urinary stone disease. Robertson WG. **Urol Res** 1990;18 Suppl 1:S3–8 (39 ref.)

ETIOLOGY

The relation of clinical catastrophes, endogenous oxalate production, and urolithiasis. Conyers RA, et al. **Clin Chem** 1990 Oct;36(10):1717–30 (178 ref.)

Secondary urolithiasis. Muldoon LD, et al. **Endocrinol Metab Clin North Am** 1990 Dec;19(4):909–18 (47 ref.)

Idiopathic calcium oxalate urolithiasis. Smith LH. **Endocrinol Metab Clin North Am** 1990 Dec;19(4):937–47 (86 ref.)

Renal stones. Solutions and solute. Smith LH. **Endocrinol Metab Clin North Am** 1990 Dec;19(4):767–72 (38 ref.)

Urinary calculi in hypercalcemic states. Thomas WC Jr. **Endocrinol Metab Clin North Am** 1990 Dec;19(4):839–49 (45 ref.)

Urinary calculi associated with purine metabolism. Uric acid nephrolithiasis. Williams-Larson AW. **Endocrinol Metab Clin North Am** 1990 Dec;19(4):821–38 (102 ref.)

Climatic characteristics of the high urinary tract calculi areas all over the world. Kotinis-Zambakas SJ. **Geogr Med** 1990; 20:25–31 (27 ref.)

Factors governing urinary tract stone disease. Watts RW. **Pediatr Nephrol** 1989 Jul;3(3):332–40 (28 ref.)

Postprostatectomy lithiasis. Haddad FS, et al. **Urol Int** 1991; 46(2):221–31 (52 ref.)

[Functional disorders of the endocrine glands as established and possible risk factors for urolithiasis] Gazymov MM. **Urol Nefrol (Mosk)** 1990 Jul-Aug;(4):68–74 (98 ref.) **(Rus)**

PREVENTION & CONTROL

Prophylaxis in idiopathic calcium urolithiasis. Ackermann D. **Urol Res** 1990;18 Suppl 1:S37–40 (42 ref.)

RADIOGRAPHY

[Female urethral diverticulum with lithiasis] Garrido Rivas C, et al. **Arch Esp Urol** 1990 Oct;43(8):911–4 (20 ref.) (Eng. Abstr.) **(Spa)**

SURGERY

Surgical aspects of urolithiasis in children. el-Damanhoury H, et al. **Pediatr Nephrol** 1991 May;5(3):339–47 (62 ref.)

THERAPY

Urolithiasis in Zimbabwe: yesterday, today and tomorrow. Danso AP. **Cent Afr J Med** 1991 Jan;37(1):30–9 (19 ref.)

Urolithiasis in children: current medical management. Laufer J, et al. **Pediatr Nephrol** 1989 Jul;3(3):317–31 (137 ref.)

ESWL '90—state of the art. Limitations and future trends of shock-wave lithotripsy. Rassweiler J, et al. **Urol Res** 1990;18 Suppl 1:S13–23 (197 ref.)

[Medical treatment of urinary lithiasis] Canalini AF, et al. **AMB Rev Assoc Med Bras** 1990 Jan-Mar;36(1):2–4 (14 ref.) **(Por)**

VETERINARY

Medical dissolution and prevention of canine and feline uroliths: diagnostic and therapeutic caveats. Osborne CA, et al. **Vet Rec** 1990 Oct 13;127(15):369–73 (26 ref.)

URINARY CATHETERIZATION

ADVERSE EFFECTS

The role of antiseptics in the management of patients undergoing short-term indwelling bladder catheterization. Stickler DJ. **J Hosp Infect** 1990 Aug;16(2):89–108 (18 ref.)

The catheter and urinary tract infection. Warren JW. **Med Clin North Am** 1991 Mar;75(2):481–93 (74 ref.)

INSTRUMENTATION

The encrustation of indwelling catheters. Getliffe KA, et al. **Br J Urol** 1991 Apr;67(4):337–41 (31 ref.)

METHODS

Whole bladder photodynamic therapy: critical review of present-day technology and rationale for development of intravesical laser catheter and monitoring system. Nseyo UO, et al. **Urology** 1990 Nov;36(5):398–402 (17 ref.)

URINARY DIVERSION

[Report: anatomy, histology and physiology of the intestinal segments involved in urinary entero-cystoplasty] Van Velthoven R. **Acta Urol Belg** 1991;59(2):11–33 (23 ref.) **(Fre)**

[Report: physiological consequences of the interposition of intestinal segments in the urinary tract] Van Velthoven R. **Acta Urol Belg** 1991;59(2):57–76 (38 ref.) **(Fre)**

ADVERSE EFFECTS

Incontinence after augmentation cystoplasty and internal diversion. Schiff SF, et al. **Urol Clin North Am** 1991 May; 18(2):383–92 (54 ref.)

[Report: complications of continent urinary diversion surgery and bladder replacement] Van Velthoven R. **Acta Urol Belg** 1991;59(2):283–301 (34 ref.) **(Fre)**

METHODS

Alternative forms of urinary diversion after cystectomy. Hatcher PA, et al. **Cancer Treat Res** 1989;46:85–122 (96 ref.)

Radiology of continent urinary diversion. Ng C, et al. **Radiol Clin North Am** 1991 May;29(3):557–70 (31 ref.)

Neobladders: clinical management and considerations for patients receiving chemotherapy. Broderick GA, et al. **Semin Oncol** 1990 Oct;17(5):598–605 (45 ref.)

[Report: bladder replacement, status of the question] Van Velthoven R. **Acta Urol Belg** 1991;59(2):201–25 (45 ref.) **(Fre)**

[Report: continent urinary diversion, status of the question] van Velthoven R. **Acta Urol Belg** 1991;59(2):107–34 (46 ref.) **(Fre)**

[Report: The ideal reservoir, development of ideas] Van Velthoven R. **Acta Urol Belg** 1991;59(2):77–101 (67 ref.) **(Fre)**

[Use of isolated intestinal segments in operative urology. Urinary drainage, urinary diversion, ureteral and bladder replacement] Müller-Mattheis V, et al. **Med Klin** 1991 Jan 15;86(1):35–41 (73 ref.) **(Ger)**

URINARY FISTULA

Arterial-ureteral fistula: case study with review of published

reports. Dyke CM, et al. **Ann Vasc Surg** 1991 May; 5(3):282–5 (40 ref.)
[Uretero-iliac fistula: presentation of a case and review of the literature] Isa Kroon WA, et al. **Actas Urol Esp** 1991 Jan-Feb;15(1):66–8 (18 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Ureteral obstruction and ureteral fistulas after aortofemoral or aortoiliac bypass surgery. Blasco FJ, et al. **J Urol** 1991 Feb;145(2):237–42 (95 ref.)

URINARY INCONTINENCE

Urge incontinence and stress incontinence. Wise B, et al. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):520–7 (48 ref.)
Postprostatectomy incontinence. Pathophysiology, evaluation, and management. Foote J, et al. **Urol Clin North Am** 1991 May;18(2):229–41 (45 ref.)
Pediatric urinary incontinence. Himsl KK, et al. **Urol Clin North Am** 1991 May;18(2):283–93 (45 ref.)
Evaluation of female urinary incontinence. Snyder JA, et al. **Urol Clin North Am** 1991 May;18(2):197–209 (19 ref.)
[Urinary incontinence: a review] Ogawa A. **Nippon Hinyokika Gakkai Zasshi** 1990 Oct;81(10):1445–57 (119 ref.) **(Jpn)**

CLASSIFICATION

Urinary incontinence: classification and pharmacological therapy. Staskin DR, et al. **Ciba Found Symp** 1990; 151:289–306; discussion 306–17 (55 ref.)

DIAGNOSIS

Investigative procedures in urogynecology. Richardson DA. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):513–9 (70 ref.)
Urinary incontinence. Not a 'normal' part of aging. Baum N, et al. **Postgrad Med** 1991 Aug;90(2):99–102, 107–9 (17 ref.)
Urinary incontinence—diagnosis. Cutner A, et al. **Practitioner** 1991 Jan;235(1498):24, 27–30 (0 ref.)
Evaluation of the causes and severity of geriatric incontinence. A critical appraisal. DuBeau CE, et al. **Urol Clin North Am** 1991 May;18(2):243–56 (109 ref.)
Evaluation and management of incontinence after implantation of the artificial urinary sphincter. Kreder KJ, et al. **Urol Clin North Am** 1991 May;18(2):375–81 (21 ref.)
[Diagnosis and treatment of urinary incontinence] Lidgi S, et al. **Harefuah** 1991 Jan 15;120(2):97–100 (28 ref.) **(Heb)**

DRUG THERAPY

Medical treatment of female urge incontinence. Lose G. **Ann Med** 1990 Dec;22(6):449–54 (63 ref.)
Terodiline. A review of its pharmacological properties, and therapeutic use in the treatment of urinary incontinence. Langtry HD, et al. **Drugs** 1990 Nov;40(5):748–61 (56 ref.)
Treatment of urinary incontinence: the place of drugs. Sourander LB. **Gerontology** 1990;36 Suppl 2:19–26 (11 ref.)

ETIOLOGY

An integral theory of female urinary incontinence. Experimental and clinical considerations. Petros PE, et al. **Acta Obstet Gynecol Scand Suppl** 1990;153:7–31 (46 ref.)
Urinary incontinence: clinical features. Cutner A, et al. **Practitioner** 1990 Dec;234(1497):1018–24 (0 ref.)
Treatment of female incontinence secondary to urethral damage or loss. Blaivas JG. **Urol Clin North Am** 1991 May; 18(2):355–63 (50 ref.)
Evaluation of the causes and severity of geriatric incontinence. A critical appraisal. DuBeau CE, et al. **Urol Clin North Am** 1991 May;18(2):243–56 (109 ref.)
The incontinent myelodysplastic patient. Rudy DC, et al. **Urol Clin North Am** 1991 May;18(2):295–308 (119 ref.)
Incontinence after augmentation cystoplasty and internal diversion. Schiff SF, et al. **Urol Clin North Am** 1991 May; 18(2):383–92 (54 ref.)
Hydroureteronephrosis after spinal cord injury. Effects of lower urinary tract dysfunction on upper tract anatomy. Staskin DR. **Urol Clin North Am** 1991 May;18(2):309–16 (9 ref.)
[Ectopic implantation of the ureter. Apropos of 2 cases] Barkia A, et al. **Acta Urol Belg** 1990;58(3):125–31 (15 ref.) (Eng. Abstr.) **(Fre)**
[Minimal diagnostic program in urinary incontinence in the female] Fischer W. **Zentralbl Gynakol** 1990;112(12):721–3 (15 ref.) **(Ger)**

NURSING

Urinary incontinence. Palmer MH. **Nurs Clin North Am** 1990 Dec;25(4):919–34 (77 ref.)

PHYSIOPATHOLOGY

[Urinary incontinence in the elderly; worth an examination?] Janknegt RA, et al. **Ned Tijdschr Geneeskd** 1990 Nov 10; 134(45):2178–81 (26 ref.) **(Dut)**
[Urinary incontinence in the elderly: clinical and urodynamic review of 195 cases] Salinas Sánchez J, et al. **Arch Esp Urol** 1991 Apr;44(3):259–64 (14 ref.) (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Urodynamics in the investigation of women with frequency, urgency, and incontinence, and voiding difficulties. Saxton HM. **Urol Radiol** 1991;13(1):48–57 (8 ref.)

REHABILITATION

[Unstable bladder and kinesitherapy. The concept of deficient unstable bladder] Penders L, et al. **J Urol (Paris)** 1990; 96(6):335–42 (24 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Artificial sphincters. Mundy AR. **Br J Urol** 1991 Mar; 67(3):225–9 (5 ref.)
Treatment of urinary and faecal incontinence by surgically implanted devices. Brindley GS. **Ciba Found Symp** 1990; 151:267–74; discussion 274–82 (11 ref.)
Urologic surgical techniques. Shull BL. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):534–40 (22 ref.)
Treatment of female incontinence secondary to urethral damage or loss. Blaivas JG. **Urol Clin North Am** 1991 May; 18(2):355–63 (50 ref.)
Evaluation and management of incontinence after implantation of the artificial urinary sphincter. Kreder KJ, et al. **Urol Clin North Am** 1991 May;18(2):375–81 (21 ref.)

THERAPY

Nonpharmacologic treatment of urinary incontinence. Weiss BD. **Am Fam Physician** 1991 Aug;44(2):579–86 (39 ref.)
Restoring urinary continence. Newman DK, et al. **Am J Nurs** 1991 Jan;91(1):28–34 (8 ref.)
Minimizing urinary incontinence in the nursing home. Breitenbucher RB. **Geriatrics** 1990 Dec;45(12):32–40 (22 ref.)
Nonsurgical treatment of detrusor overactivity in postmenopausal women. Sand PK, et al. **J Reprod Med** 1990 Aug;35(8):758–64 (32 ref.)
Diagnosis and management of urinary incontinence due to detrusor instability. Wall LL. **Obstet Gynecol Surv** 1990 Nov;45(11 Suppl):1S–47S (494 ref.)
Treatment of incontinence. Cutner A, et al. **Practitioner** 1991 Feb;235(1499):98, 100, 102–4 (2 ref.)
Electrical stimulation. A physiologic approach to the treatment of urinary incontinence. Fall M, et al. **Urol Clin North Am** 1991 May;18(2):393–407 (92 ref.)
Treatment of voiding complaints and incontinence in painful bladder syndrome. Stone AR. **Urol Clin North Am** 1991 May;18(2):317–25 (53 ref.)
[Approach to urinary tract disorders in postmenopausal women] Fernandes CE, et al. **Rev Paul Med** 1990 Sep-Oct; 108(5):230–5 (18 ref.) (Eng. Abstr.) **(Por)**

VETERINARY

Urinary incontinence in dogs and cats [see comments] Holt PE. **Vet Rec** 1990 Oct 6;127(14):347–50 (46 ref.) Comment in: Vet Rec 1990 Oct 27;127(17):436.

URINARY INCONTINENCE, STRESS

[Diagnostic evaluation and surgical treatment of stress incontinence in the female] Golomb J, et al. **Harefuah** 1991 Apr 1;120(7):397–400 (25 ref.) **(Heb)**
[Stress urinary incontinence in women] Rodrigues Netto Júnior N. **AMB Rev Assoc Med Bras** 1990 Jan-Mar; 36(1):15–7 (9 ref.) **(Por)**

DIAGNOSIS

Problems in the clinical diagnosis of stress incontinence. Horbach NS. **J Reprod Med** 1990 Aug;35(8):751–7 (35 ref.)

DRUG THERAPY

[Transvaginal estrogen therapy in urinary stress incontinence] Sacco F, et al. **Minerva Ginecol** 1990 Dec;42(12):539–44 (27 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Genital prolapse with and without urinary incontinence. Harris TA, et al. **J Reprod Med** 1990 Aug;35(8):792–8 (24 ref.)
[Minimal diagnostic program in urinary incontinence in the female] Fischer W. **Zentralbl Gynakol** 1990;112(12):721–3 (15 ref.) **(Ger)**

PHYSIOPATHOLOGY

Stress urinary incontinence. Stanton SL. **Ciba Found Symp** 1990;151:182–9; discussion 189–94 (15 ref.)
The neurogenic hypothesis of stress incontinence. Swash M. **Ciba Found Symp** 1990;151:156–70; discussion 170–5 (33 ref.)
Urethral mobility and its relationship to stress incontinence in women. Walters MD, et al. **J Reprod Med** 1990 Aug; 35(8):777–84 (65 ref.)

SURGERY

Choice of operation for genuine stress incontinence. Timmons MC, et al. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):528–33 (23 ref.)
Needle suspension procedures for urinary stress incontinence: a review and historical perspective. Cornella JL, et al. **Obstet Gynecol Surv** 1990 Dec;45(12):805–16 (27 ref.)
Surgical treatment of concomitant urethral diverticulum and stress incontinence. Bass JS, et al. **Urol Clin North Am** 1991 May;18(2):365–73 (28 ref.)
Complications of bladder neck suspension procedures. Kelly MJ, et al. **Urol Clin North Am** 1991 May;18(2):339–8 (48 ref.)
Surgical procedures for uncomplicated ("routine") female stress incontinence. Lam TC, et al. **Urol Clin North Am** 1991 May;18(2):327–37 (33 ref.)
[Diagnostic and therapeutic approach to stress urinary incontinence in women] Benjelloun S, et al. **Acta Urol Belg** 1990;58(3):53–64 (22 ref.) (Eng. Abstr.) **(Fre)**
[Modification of the simplified Cobb-Radge and Raz techniques in the treatment of stress urinary incontinence. Description and results] Soler Rosello A, et al. **Arch Esp Urol** 1991 Jan-Feb;44(1):15–21 (30 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Treatment of stress urinary incontinence. Fischer-Rasmussen W. **Ann Med** 1990 Dec;22(6):455–65 (48 ref.)

URINARY RETENTION

see related
URINARY CATHETERIZATION

CHEMICALLY INDUCED

[Secondary effects of opioids administered by the regional route] Ecoffey C. **Cah Anesthesiol** 1991;39(2):115–9 (47 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Acute urinary retention in a child with appendiceal abscess: diagnostic dilemma. Noble J, et al. **Urology** 1990 Dec; 36(6):513–5 (13 ref.)
[Postoperative urinary retention] Bjarnesen J, et al. **Ugeskr Laeger** 1991 Jul 1;153(27):1920–4 (30 ref.) (Eng. Abstr.) **(Dan)**
[Acute urinary retention] Rocha LC. **AMB Rev Assoc Med Bras** 1990 Jan-Mar;36(1):26–8 (3 ref.) **(Por)**

URINARY TRACT

ABNORMALITIES

Congenital urinary tract abnormalities: prenatal and neonatal diagnosis. Angtuaco TL, et al. **Curr Probl Diagn Radiol** 1990 Sep-Oct;19(5):165–98 (139 ref.)
Urinary tract malformations in identical twins. McCandless SE, et al. **J Urol** 1991 Jul;146(1):145–7 (22 ref.)
Prenatal diagnosis of urinary tract malformation. Gray DL, et al. **Pediatr Nephrol** 1988 Jul;2(3):326–33 (48 ref.)
Neonatal obstructive uropathy. McLean RH, et al. **Pediatr Nephrol** 1988 Jan;2(1):48–55 (18 ref.)

ANATOMY & HISTOLOGY

Functional anatomy of the female lower urinary tract and pelvic floor. DeLancey JO. **Ciba Found Symp** 1990; 151:57–69; discussion 69–76 (27 ref.)

DRUG EFFECTS

Practical uropharmacology. Wein AJ. **Urol Clin North Am** 1991 May;18(2):269–81 (87 ref.)
[Furosemide in assessing kidney function and in studying the status of different sections of the urinary system] Arkhipov VV, et al. **Urol Nefrol (Mosk)** 1991 Mar-Apr;(2):63–6 (38 ref.) **(Rus)**

IMMUNOLOGY

Antibacterial host factors in the urinary tract. Sobel JD, et al. **Adv Intern Med** 1991;36:131–50 (86 ref.)
Expression and biosynthesis of ABH-related carbohydrate antigens in normal and pathologic human urothelium. Orntoft TF. **APMIS Suppl** 1990;17:1–34 (150 ref.)

INJURIES

ABC of major trauma. Trauma of the lower urinary tract. Deane A. **BMJ** 1990 Sep 15;301(6751):545–7 (0 ref.)

INNERVATION

Central neural control of the lower urinary tract. de Groat WC. **Ciba Found Symp** 1990;151:27–44; discussion 44–56 (29 ref.)

PATHOLOGY

Investigation of the dilated urinary tract. Parkhouse HF, et al. **Pediatr Nephrol** 1988 Jan;2(1):43–7 (22 ref.)
Hydroureteronephrosis after spinal cord injury. Effects of lower urinary tract dysfunction on upper tract anatomy. Staskin DR. **Urol Clin North Am** 1991 May;18(2):309–16 (9 ref.)

PHYSIOLOGY

Pitfalls of urodynamic testing. O'Donnell PD. **Urol Clin North Am** 1991 May;18(2):257–68 (18 ref.)

PHYSIOPATHOLOGY

Hydroureteronephrosis after spinal cord injury. Effects of lower urinary tract dysfunction on upper tract anatomy. Staskin DR. **Urol Clin North Am** 1991 May;18(2):309–16 (9 ref.)

RADIONUCLIDE IMAGING

Imaging the kidneys and urinary tract in the neonate with acute renal failure. Gordon I, et al. **Pediatr Nephrol** 1987 Jul;1(3):321–9 (53 ref.)

[Scintigraphic exploration of the urinary tract in pediatrics] Bischof-Delaloye A, et al. **Schweiz Med Wochenschr** 1991 Mar 2;121(9):306–10 (31 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Urologic surgical techniques. Shull BL. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):534–40 (22 ref.)

URINARY TRACT INFECTIONS

Urinary tract infections in women. Bergman A. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):541–4 (15 ref.)

Urinary tract infections in women. Gilstrap LC 3d. **Curr Opin Obstet Gynecol** 1989 Oct;1(1):31–4 (9 ref.)

Urinary infection in the 1990's: the state of the art. Brumfitt W, et al. **Infection** 1990;18 Suppl 2:S34–9 (34 ref.)

The Garrod lecture. Progress in understanding urinary infections. Brumfitt W. **J Antimicrob Chemother** 1991 Jan; 27(1):9–22 (57 ref.)

Reflections on 30 years of treating children with urinary tract infections. Smellie JM. **J Urol** 1991 Aug;146(2 (Pt 2)):665–8 (20 ref.)

Special problems of urinary tract infection in the elderly. Baldassarre JS, et al. **Med Clin North Am** 1991 Mar; 75(2):375–90 (76 ref.)

Bacterial etiologic agents in the pathogenesis of urinary tract infection. Sobel JD. **Med Clin North Am** 1991 Mar; 75(2):253–73 (125 ref.)

Urinary tract infections in childhood. Jones KV. **Practitioner** 1991 Feb;235(1499):135–40, 143 (8 ref.)

Urinary tract infections. Brucker PC. **Prim Care** 1990 Dec; 17(4):825–32 (27 ref.)

[Asymptomatic urinary infections in children] Bensman A, et al. **Ann Pediatr (Paris)** 1990 Oct;37(8):496–8 (17 ref.) (Eng. Abstr.) **(Fre)**

[Urinary tract infections] Rodríguez E, et al. **Rev Chil Pediatr** 1990;61 Suppl 1:14–6 (0 ref.) **(Spa)**

CLASSIFICATION

Definitions, classification, and clinical presentation of urinary tract infections. Johnson CC. **Med Clin North Am** 1991 Mar;75(2):241–52 (58 ref.)

COMPLICATIONS

Paleonephrology and reflux nephropathy. From the 'big bang' to end-stage renal disease. Kallen RJ. **Am J Dis Child** 1991 Aug;145(8):860–4 (55 ref.)

Complicated urinary tract infections. Conrad S, et al. **Eur Urol** 1991;19 Suppl 1:16–22 (72 ref.)

Natural history of "lower" urinary tract infections. Kunin CM. **Infection** 1990;18 Suppl 2:S44–9 (35 ref.)

Epidemiology, natural history, and management of urinary tract infections in pregnancy. Andriole VT, et al. **Med Clin North Am** 1991 Mar;75(2):359–73 (71 ref.)

Urinary tract infection in the impaired host. Korzeniowski OM. **Med Clin North Am** 1991 Mar;75(2):391–404 (74 ref.)

The inflammatory response and tissue damage. The example of renal scars following acute renal infection. Glauser MP, et al. **Pediatr Nephrol** 1987 Oct;1(4):615–22 (48 ref.)

Prophylaxis of infection-induced kidney stone formation. Hess B. **Urol Res** 1990;18 Suppl 1:S45–8 (32 ref.)

DIAGNOSIS

New directions in the diagnosis and therapy of urinary tract infections. Powers RD. **Am J Obstet Gynecol** 1991 May; 164(5 Pt 2):1387–9 (9 ref.)

The value of single-dose therapy to diagnose the site of urinary infection. Ronald AR, et al. **Chemotherapy** 1990; 36 Suppl 1:2–9 (40 ref.)

[Urinary tract infection in childhood—a review. 1: Diagnosis] Misselwitz J, et al. **Kinderarztl Prax** 1991 Jan–Feb; 59(1–2):16–9 (20 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Brief overview of single-dose therapy for uncomplicated urinary tract infections. Bailey RR. **Chemotherapy** 1990;36 Suppl 1:27–30 (22 ref.)

Use of quinolones in treatment of prostatitis and lower urinary tract infections. Andriole VT. **Eur J Clin Microbiol Infect Dis** 1991 Apr;10(4):342–50 (71 ref.)

Prevention of bacterial resistance in urinary tract infections. Goldstein EJ. **Eur Urol** 1991;19 Suppl 1:28–32 (45 ref.)

Antimicrobial therapy for treatment of UTI in the elderly. Rocco F, et al. **Eur Urol** 1991;19 Suppl 1:7–15 (32 ref.)

Review of published studies on single dose therapy of urinary tract infections. Bailey RR. **Infection** 1990;18 Suppl 2:S53–6 (67 ref.)

The optimal management of lower urinary tract infections. Nicolle LE. **Infection** 1990;18 Suppl 2:S50–2 (18 ref.)

Single dose fosfomycin trometamol versus multiple dose nitrofurantoin in pregnant women with bacteriuria: preliminary results. Thoumsin H, et al. **Infection** 1990;18 Suppl 2:S94–7 (25 ref.)

Emergent resistance to ciprofloxacin amongst Pseudomonas aeruginosa and Staphylococcus aureus: clinical significance and therapeutic approaches. Ball P. **J Antimicrob Chemother** 1990 Dec;26 Suppl F:165–79 (75 ref.)

Pharmacokinetic evaluation of single daily dose amikacin. Van der Auwera P. **J Antimicrob Chemother** 1991 May;27 Suppl C:63–71 (25 ref.)

The role of antiseptics in the management of patients undergoing short-term indwelling bladder catheterization. Stickler DJ. **J Hosp Infect** 1990 Aug;16(2):89–108 (18 ref.)

Urinary tract infection in women. Current role of single-dose therapy. Bump RC. **J Reprod Med** 1990 Aug;35(8):785–91 (40 ref.)

Management of acute uncomplicated urinary tract infection in adults. Hooton TM, et al. **Med Clin North Am** 1991 Mar;75(2):339–57 (62 ref.)

Management of urinary tract infections in children. Sherbotie JR, et al. **Med Clin North Am** 1991 Mar;75(2):327–38 (31 ref.)

Parenteral antibiotic therapy for patients in nursing homes. Mulligan T. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 2:S180–3 (23 ref.)

Efficacy and safety of antibiotic treatment in relation to treatment time. Norrby SR. **Scand J Infect Dis Suppl** 1990; 74:262–9 (24 ref.)

Worldwide clinical experience with ofloxacin in urologic cases. Corrado ML. **Urology** 1991;37(3 Suppl):28–32 (79 ref.)

Tetracyclines in urology: current concepts [see comments] Cunha BA, et al. **Urology** 1990 Dec;36(6):548–56 (30 ref.) Comment in: Urology 1991 Apr;37(4):395.

[Therapeutic strategies in pregnancy bacteriuria] Aghayan M, et al. **Rev Med Liege** 1990 Sep;45(9):433–9 (39 ref.) **(Fre)**

[Cefixime in urinary tract infections. (Specific studies and literature review)] Naber KG. **Infection** 1990;18 Suppl 3:S132–9 (34 ref.) (Eng. Abstr.) **(Ger)**

[Urinary tract infection in childhood—an overview. 2. Therapy] Misselwitz J, et al. **Kinderarztl Prax** 1991 Mar; 59(3):64–7 (18 ref.) (Eng. Abstr.) **(Ger)**

[New quinolines for the treatment of urinary tract infections] Krčméry V Jr, et al. **Vnitr Lek** 1990 Sep;36(9):894–902 (45 ref.) (Eng. Abstr.) **(Slo)**

ECONOMICS

Urinary tract infection: economic considerations. Patton JP, et al. **Med Clin North Am** 1991 Mar;75(2):495–513 (94 ref.)

EPIDEMIOLOGY

The epidemiology of urinary tract infection and the concept of significant bacteriuria. Hooton TM. **Infection** 1990;18 Suppl 2:S40–3 (38 ref.)

Epidemiology and natural history of urinary tract infections in children. Stull TL, et al. **Med Clin North Am** 1991 Mar; 75(2):287–97 (69 ref.)

ETIOLOGY

Antibacterial host factors in the urinary tract. Sobel JD, et al. **Adv Intern Med** 1991;36:131–50 (86 ref.)

The catheter and urinary tract infection. Warren JW. **Med Clin North Am** 1991 Mar;75(2):481–93 (74 ref.)

Current patterns in nosocomial urinary tract infections. Meares EM Jr. **Urology** 1991;37(3 Suppl):9–12 (13 ref.)

[Salmonella paratyphi A urinary infection in Schistosoma mansoni bilharziasis] Hennequin C, et al. **Rev Med Interne** 1991 Mar–Apr;12(2):141–2 (15 ref.) (Eng. Abstr.) **(Fre)**

[Nephrological complications after bone marrow transplantation] Ratajczak MZ, et al. **Pol Tyg Lek** 1990 Oct 1–8;45(40–41):836–40 (34 ref.) **(Pol)**

IMMUNOLOGY

Comparison of antiadherence activity of bladder extracts from interstitial cystitis patients with recurrent urinary tract infections. Ruggieri MR, et al. **Semin Urol** 1991 May; 9(2):136–42 (54 ref.)

MICROBIOLOGY

Host defense mechanisms in the pathogenesis of urinary tract infection. Measley RE Jr, et al. **Med Clin North Am** 1991 Mar;75(2):275–86 (96 ref.)

Host parasite interaction in urinary tract infection. Svanborg-Edén C, et al. **Pediatr Nephrol** 1987 Oct; 1(4):623–31 (79 ref.)

[Comparative study of the microbiological components in urinary infection (UTI)] Nava L, et al. **G Ital Chemioter** 1989 Jan–Dec;36(1–3):69–87 (37 ref.) (Eng. Abstr.) **(Ita)**

[Papillary necrosis and formation of fungal balls in a patient with AIDS: a clinical case and brief review] López Aramburu MA, et al. **Actas Urol Esp** 1990 Sep–Oct; 14(5):371–3 (10 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Bacterial adherence as a virulence factor in urinary tract infection. De Man P, et al. **APMIS** 1990 Dec; 98(12):1053–60 (64 ref.)

Renal involvement in urinary tract infection. Svanborg C, et al. **Kidney Int** 1991 Mar;39(3):541–9 (131 ref.)

The natural history of urinary infection in adults. Ronald AR, et al. **Med Clin North Am** 1991 Mar;75(2):299–312 (53 ref.)

PREVENTION & CONTROL

Is there a role for lactobacilli in prevention of urogenital and intestinal infections? Reid G, et al. **Clin Microbiol Rev** 1990 Oct;3(4):335–44 (133 ref.)

[Evaluation of prevention methods of nosocomial urinary tract infections] Cetre JC, et al. **Agressologie** 1990;31(8 Spec No):509–12 (40 ref.) (Eng. Abstr.) **(Fre)**

[Prophylactic antibiotic therapy for children with urinary tract infections] Hershkovitz E, et al. **Harefuah** 1990 Dec 16;119(12):437–41 (48 ref.) **(Heb)**

THERAPY

Management of urinary tract infection in elderly men. Teillac P. **Eur Urol** 1991;19 Suppl 1:23–7 (18 ref.)

The role of the urologist in urinary tract infection. Gillenwater JY. **Med Clin North Am** 1991 Mar;75(2):471–9 (13 ref.)

Management of children with unobstructed urinary tract infection. Jodal U, et al. **Pediatr Nephrol** 1987 Oct; 1(4):647–56 (51 ref.)

Advances in the understanding and treatment of urinary tract infections in young women. Iravani A. **Urology** 1991 Jun; 37(6):503–11 (48 ref.)

Evaluating results of clinical trials in treatment of complicated urinary tract infection. Roberts JA. **Urology** 1991;37(3 Suppl):13–5 (10 ref.)

[Urosepsis and uroseptic shock] Hofmann W. **Z Urol Nephrol** 1990 Jun;83(6):317–24 (13 ref.) (Eng. Abstr.) **(Ger)**

[Urinary tract infections in children] Arap S, et al. **AMB Rev Assoc Med Bras** 1990 Jan–Mar;36(1):32–3 (31 ref.) **(Por)**

[Approach to urinary tract disorders in postmenopausal women] Fernandes CE, et al. **Rev Paul Med** 1990 Sep–Oct; 108(5):230–5 (18 ref.) (Eng. Abstr.) **(Por)**

URINE

Laboratory in the diagnosis and management of urinary tract infections. Pappas PG. **Med Clin North Am** 1991 Mar; 75(2):313–25 (58 ref.)

URINATION

PHYSIOLOGY

The role of peptides in the regulation of the micturition reflex: an update. Maggi CA. **Gen Pharmacol** 1991; 22(1):1–24 (255 ref.)

URINATION DISORDERS

Dysuria and urinary tract infections. Richardson DA. **Obstet Gynecol Clin North Am** 1990 Dec;17(4):881–8 (43 ref.)

DRUG THERAPY

[Diclofenac sodium therapy in irritating micturition syndrome following TUR for benign prostatic hyperplasia] Soler Roselló A, et al. **Arch Esp Urol** 1990 Oct;43(8):831–5 (22 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Pelvic lipomatosis in a female: diagnosis and initial therapy. Hönecke K, et al. **Urol Int** 1991;46(1):93–5 (13 ref.)

[A case of retroperitoneal Hodgkin's disease with dysuria] Maeda O, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1333–6 (22 ref.) (Eng. Abstr.) **(Jpn)**

[A bulky mass non-Hodgkin's lymphoma with dysuria in the rectovesical space] Tosaka A, et al. **Hinyokika Kiyo** 1990 Jun;36(6):701–5 (20 ref.) (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Urodynamics in the investigation of women with frequency, urgency, and incontinence, and voiding difficulties. Saxton HM. **Urol Radiol** 1991;13(1):48–57 (8 ref.)

SURGERY

The clam cystoplasty. Bramble FJ. **Br J Urol** 1990 Oct; 66(4):337–41 (21 ref.)

URINE

see related
ALBUMINURIA
ANURIA
BACTERIURIA

CYSTINURIA
GLYCOSURIA
HEMATURIA
MAPLE SYRUP URINE DISEASE
PHENYLKETONURIA
POLYURIA
PROTEINURIA

[Spontaneous urine extravasation during intravenous urography. Apropos of 21 cases. Review of the literature] Belin X, et al. **J Radiol** 1991 Jan;72(1):57–64 (21 ref.) (Eng. Abstr.) **(Fre)**

CHEMISTRY

Internal and external quality control in the toxicological analysis of blood and urine samples in the Federal Republic of Germany. Schaller KH, et al. **Int Arch Occup Environ Health** 1991;62(8):537–42 (10 ref.)

[Pharmacokinetics and changes in the physical properties of blood and urine after administration of dextran 60000] Kienlen J, et al. **Ann Fr Anesth Reanim** 1990;9(6):495–500 (17 ref.) (Eng. Abstr.) **(Fre)**

CYTOLOGY

Quantitative fluorescence image analysis in bladder cancer screening. Hemstreet GP 3d, et al. **J Occup Med** 1990 Sep; 32(9):822–8 (37 ref.)

[Erythrocyturia and its mechanisms in kidney glomerular diseases] Dudar IO. **Vrach Delo** 1991 Apr;(4):21–6 (49 ref.) **(Ukr)**

URINE CONCENTRATING ABILITY see KIDNEY CONCENTRATING ABILITY

UROCHORDATA

EMBRYOLOGY

The myoplasm of ascidian eggs: a localized cytoskeletal domain with multiple roles in embryonic development. Jeffery WR, et al. **Semin Cell Biol** 1990 Oct;1(5):373–81 (45 ref.)

URODYNAMICS

Pitfalls of urodynamic testing. O'Donnell PD. **Urol Clin North Am** 1991 May;18(2):257–68 (18 ref.)

Urodynamics in the investigation of women with frequency, urgency, and incontinence, and voiding difficulties. Saxton HM. **Urol Radiol** 1991;13(1):48–57 (8 ref.)

[New trends in urodynamic investigation] Koiso K. **Nippon Hinyokika Gakkai Zasshi** 1990 Aug;81(8):1129–39 (105 ref.) (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Effects of diuretics on outputs and flows of urine and urinary solutes in healthy subjects. Reyes AJ. **Drugs** 1991;41 Suppl 3:35–59 (56 ref.)

UROGASTRONE see EPIDERMAL GROWTH FACTOR-UROGASTRONE

UROGASTRONE RECEPTORS see RECEPTORS, EPIDERMAL GROWTH FACTOR-UROGASTRONE

UROGENITAL DISEASES

COMPLICATIONS

[Differential diagnosis of acute pelvic pain] Beck L. **Gynakologe** 1991 Jun;24(3):142–5 (8 ref.) **(Ger)**

[Diagnosis of fertility] Weidner W, et al. **Urologe [A]** 1991 Mar;30(2):W9–18 (16 ref.) **(Ger)**

DIAGNOSIS

Urological laparoscopic surgery. Winfield HN, et al. **J Urol** 1991 Oct;146(4):941–8 (25 ref.)

[Localized amyloidosis of the genitourinary tract] Suzuki K, et al. **Nippon Rinsho** 1991 Apr;49(4):918–22 (23 ref.) **(Jpn)**

[Mixed bacterial and viral infections of the urogenital tract] Dmitriev GA. **Vestn Dermatol Venerol** 1990;(6):29–33 (51 ref.) **(Rus)**

MICROBIOLOGY

[Role of Chlamydia trachomatis in diseases of the urogenital system] Török L, et al. **Orv Hetil** 1991 May 5;132(18):963–6 (32 ref.) (Eng. Abstr.) **(Hun)**

PHYSIOPATHOLOGY

[The role of venous drainage in uro-genital pathology] Alberti C, et al. **Minerva Urol Nefrol** 1991 Jan-Mar; 43(1):1–18 (80 ref.) (Eng. Abstr.) **(Ita)**

SURGERY

Urological laparoscopic surgery. Winfield HN, et al. **J Urol** 1991 Oct;146(4):941–8 (25 ref.)

UROGENITAL NEOPLASMS

Genitourinary cancer in the elderly. Mulholland SG, et al. **Am J Kidney Dis** 1990 Oct;16(4):324–8 (29 ref.)

COMPLICATIONS

Association of sebaceous gland tumors and internal malignancy: the Muir-Torre syndrome. Cohen PR, et al. **Am J Med** 1991 May;90(5):606–13 (68 ref.)

DIAGNOSIS

Genitourinary cytology. Yazdi HM. **Clin Lab Med** 1991 Jun; 11(2):369–401 (68 ref.)

[Malignant urogenital tumors of the pelvic region: magnetic resonance imaging] Landry M, et al. **Rev Med Suisse Romande** 1991 Apr;111(4):349–55 (26 ref.) **(Fre)**

DRUG THERAPY

[Chemotherapy of urogenital cancers] Matsumura Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1991 Feb;82(2):181–9 (80 ref.) **(Jpn)**

GENETICS

Nonrandom cytogenetic changes in leiomyomas of the female genitourinary tract. A report of 35 cases. Kiechle-Schwarz M, et al. **Cancer Genet Cytogenet** 1991 May;53(1):125–36 (29 ref.)

RADIOGRAPHY

[Heterotopic bone in urology] Gironella Coll J. **Arch Esp Urol** 1990 Sep;43(7):757–66 (31 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Genitourinary cancer. Ozols RF, et al. **Cancer Chemother Biol Response Modif** 1990;11:602–29 (102 ref.)

Pediatric genitourinary tumors. Smyth TB, et al. **Curr Opin Oncol** 1990 Jun;2(3):507–13 (33 ref.)

UROGENITAL SYSTEM

ABNORMALITIES

Wilms tumour: a developmental anomaly. Hastie ND, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:145–50 (14 ref.)

Fetal genitourinary tract. Louie A, et al. **Semin Roentgenol** 1990 Oct;25(4):342–52 (57 ref.)

INJURIES

[Late sequelae after urogenital trauma. Results of follow-up studies] Oberneder R, et al. **Urologe [A]** 1990 Sep; 29(5):251–5 (71 ref.) (Eng. Abstr.) **(Ger)**

[Injuries of the pelvis and retroperitoneal organs] Wilker DK, et al. **Urologe [A]** 1991 May;30(3):183–8 (12 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

The urological application of electrosurgery. Kramolowsky EV, et al. **J Urol** 1991 Sep;146(3):669–74 (36 ref.)

UROGRAPHY

ADVERSE EFFECTS

[Spontaneous urine extravasation during intravenous urography. Apropos of 21 cases. Review of the literature] Belin X, et al. **J Radiol** 1991 Jan;72(1):57–64 (21 ref.) (Eng. Abstr.) **(Fre)**

METHODS

Intravenous urography revisited. Dawson P. **Br J Urol** 1990 Dec;66(6):561–7 (24 ref.)

UROKINASE

The urokinase receptor and regulation of cell surface plasminogen activation. Blasi F, et al. **Cell Differ Dev** 1990 Dec 2;32(3):247–53 (46 ref.)

CHEMISTRY

[Structure and characteristics of singer chain urokinase-type plasminogen activator] Shi W, et al. **Sheng Li Ko Hsueh Chin Chan** 1990 Oct;21(4):314–7 (20 ref.) **(Chi)**

METABOLISM

The mechanisms of the activation of plasminogen by streptokinase and urokinase. Takada Y, et al. **Adv Exp Med Biol** 1990;281:223–34 (41 ref.)

The receptor for human urokinase: a potential target for anti-invasive and anti-metastatic therapy. Masucci MT, et al. **Thromb Res Suppl** 1990;11:49–60 (50 ref.)

PHARMACOLOGY

Modulation of the malignant phenotype with the urokinase-type plasminogen activator and the type I plasminogen activator inhibitor. Sordat B, et al. **Cell Differ Dev** 1990 Dec 2;32(3):277–85 (18 ref.)

[Inhibition by ethanol and acetaldehyde the plasmin activity and plasminogen activation induced by urokinase and streptokinase] Roszkowska-Jakimiec W, et al. **Rocz Akad Med Bialymst** 1988–89;33–34:53–66 (14 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

The role of urokinase-type plasminogen activator in aggressive tumor cell behavior. Testa JE, et al. **Cancer Metastasis Rev** 1990 Dec;9(4):353–67 (111 ref.)

Urokinase-dependent cell surface proteolysis and cancer. Blasi F, et al. **Semin Cancer Biol** 1990 Apr;1(2):117–26 (35 ref.)

THERAPEUTIC USE

Obstructed central venous catheters. Restoring function with a 12-hour infusion of low-dose urokinase. Haire WD, et al. **Cancer** 1990 Dec 1;66(11):2279–85 (39 ref.)

Blood viscosity and platelet function in thrombolytic therapy of acute myocardial infarction. Hoffmann JJ. **Eur Heart J** 1990 Aug;11 Suppl F:29–35 (51 ref.)

UROLITHIASIS see URINARY CALCULI

UROLOGIC DISEASES

BLOOD

[Plasmapheresis as an optimal method to improve the outcome of surgical diseases] Genyk SN, et al. **Sov Med** 1990;(7):33–41 (60 ref.) **(Rus)**

COMPLICATIONS

Urologic considerations in geriatric erectile failure. Mulligan T, et al. **Clin Geriatr Med** 1991 Feb;7(1):73–84 (55 ref.)

CONGENITAL

Neonatal obstructive uropathy. McLean RH, et al. **Pediatr Nephrol** 1988 Jan;2(1):48–55 (18 ref.)

DIAGNOSIS

Role of diagnostic imaging in the evaluation and treatment of post-operative complications of the urinary tract. Vaccaro JP, et al. **Br J Urol** 1991 Feb;67(2):113–24 (36 ref.)

Contemporary imaging approach to pediatric urologic problems. Berdon WE. **Radiol Clin North Am** 1991 May; 29(3):605–18 (20 ref.)

Clinical use of urinary tract magnetic resonance imaging. Newhouse JH. **Radiol Clin North Am** 1991 May; 29(3):455–74 (95 ref.)

EMBRYOLOGY

Fetal uropathy. Thomas DF. **Br J Urol** 1990 Sep;66(3):225–31 (25 ref.)

ETIOLOGY

[Report: complications of continent urinary diversion surgery and bladder replacement] Van Velthoven R. **Acta Urol Belg** 1991;59(2):283–301 (34 ref.) **(Fre)**

[Urological aspects of non-urological tumor in the lesser pelvis] Egghart G, et al. **Urologe [A]** 1990 Sep;29(5):265–71 (44 ref.) (Eng. Abstr.) **(Ger)**

[Tamm-Horsfall protein: its pathogenetic role and clinical significance in urologic and nephrologic diseases] Maldannik VG, et al. **Urol Nefrol (Mosk)** 1990 Sep-Oct; (5):69–74 (61 ref.) **(Rus)**

MICROBIOLOGY

Resistance to aminoglycosides: the situation in the Federal Republic of Germany. Naber KG, et al. **J Int Med Res** 1990;18 Suppl 4:6D–26D (20 ref.)

PHYSIOPATHOLOGY

[New trends in urodynamic investigation] Koiso K. **Nippon Hinyokika Gakkai Zasshi** 1990 Aug;81(8):1129–39 (105 ref.) (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Incidental detection of urinary tract abnormalities with skeletal scintigraphy. Gentili A, et al. **Radiographics** 1991 Jul;11(4):571–9 (21 ref.)

[Scintigraphic exploration of the urinary tract in pediatrics] Bischof-Delaloye A, et al. **Schweiz Med Wochenschr** 1991 Mar 2;121(9):306–10 (31 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Postoperative artificial nutrition support of the urological patient. Moskovitz B, et al. **J Urol** 1991 Jun;145(6):1125–33 (120 ref.)

Application of laser energy in urologic surgery. Smith JA Jr. **Surg Annu** 1991;23 Pt 2:81–97 (28 ref.)

THERAPY

[Therapeutic problems in urology] Bussi L. **Minerva Urol Nefrol** 1990 Oct-Dec;42(4):242–3 (4 ref.) **(Ita)**

UROLOGIC DISEASES

ULTRASONOGRAPHY

[Transvaginal echography in urology] Fernández Fernández A, et al. **Arch Esp Urol** 1990 Jul-Aug;43(6):613-4 (5 ref.) (Eng. Abstr.) **(Spa)**

VETERINARY

Cystoscopy. McCarthy TC, et al.
Vet Clin North Am Small Anim Pract 1990 Sep; 20(5):1315-39 (15 ref.)

UROLOGIC NEOPLASMS

COMPLICATIONS

[Balkan nephropathy and urothelial cancer] Markovic B.
J Urol (Paris) 1990;96(6):349-52 (18 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

[Photodynamic therapy in the urological field] Hisazumi H.
Nippon Hinyokika Gakkai Zasshi 1991 Jun;82(6):865-70 (41 ref.) **(Jpn)**

PATHOLOGY

Haemangioma of the urinary tract: review of the literature. Jahn H, et al. **Br J Urol** 1991 Aug;68(2):113-7 (31 ref.)

SURGERY

Laser treatment of transitional cell cancer of the bladder and upper urinary tract. Orihuela E, et al. **Cancer Treat Res** 1989;46:123-42 (42 ref.)

THERAPY

Adoptive immunotherapy of urologic tumors. Belldegrun A, et al. **Cancer Treat Res** 1989;46:213-33 (86 ref.)
[Immunotherapy and urological malignancy] Marumo K.
Nippon Hinyokika Gakkai Zasshi 1991 Mar;82(3):361-71 (79 ref.) (Eng. Abstr.) **(Jpn)**

UROLOGY

see related
UROLOGIC DISEASES

The role of the urologist in urinary tract infection. Gillenwater JY. **Med Clin North Am** 1991 Mar;75(2):471-9 (13 ref.)
Urology. Bürger RA, et al. **Pediatr Nephrol** 1988 Jan; 2(1):67-71 (6 ref.)
Urology. Bürger RA, et al. **Pediatr Nephrol** 1988 Jul; 2(3):351-5 (7 ref.)
In treating impotence, urology and sex therapy are complementary. Krauss DJ, et al. **Urology** 1990 Nov; 36(5):467-70 (8 ref.)
[New applications of the Doppler effect in urology] Fernández Fernández A, et al. **Arch Esp Urol** 1990 Jul-Aug;43(6):607-12 (46 ref.) (Eng. Abstr.) **(Spa)**

HISTORY

[Three decades of alkalizing treatment of urolithiasis] Cifuentes Delatte L. **An R Acad Nac Med (Madr)** 1990; 107(2):353-63 (14 ref.) **(Spa)**

METHODS

Application of urologic techniques to nonurinary calculi. Wolf JS Jr, et al. **Urology** 1990 Nov;36(5):383-9 (42 ref.)

TRENDS

Modern paediatric urology. Scholtmeijer RJ. **Br J Urol** 1991 Jun;67(6):561-3 (22 ref.)
[Advances and retrospect of urologic surgery in past 40 years in China] Gu FL. **Chung Hua Wai Ko Tsa Chih** 1991 Jan; 29(1):37-40 (0 ref.) **(Chi)**

UROPORPHYRINOGENS

CHEMISTRY

Tetrapyrrole assembly and modification into the ligands of biologically functional cofactors. Warren MJ, et al.
Trends Biochem Sci 1990 Dec;15(12):486-91 (30 ref.)

URSODEOXYCHOLIC ACID

ADMINISTRATION & DOSAGE

[Therapy of cholestatic liver diseases with ursodeoxycholic acid: a new treatment principle] Stiehl A.
Z Gastroenterol Verh 1991 Mar;26:142-3 (19 ref.) **(Ger)**

THERAPEUTIC USE

The rationale for using ursodeoxycholic acid in chronic liver disease. Heller FR, et al. **Acta Gastroenterol Belg** 1990 Jul-Aug;53(4):402-8 (42 ref.)
Treatment of cholesterol gallstones with litholytic bile acids. Salen G, et al. **Gastroenterol Clin North Am** 1991 Mar; 20(1):171-82 (56 ref.)
Treatment of chronic liver disease with ursodeoxycholic acid. Guslandi M. **J Int Med Res** 1990 Nov-Dec;18(6):497-505 (73 ref.)
Current options for the management of gallstones. Desmond PV. **Med J Aust** 1991 Mar 18;154(6):400-1, 404-6 (22 ref.)
[Bile acid therapy; new hope for patients with chronic liver diseases] van Berge Henegouwen GP, et al.
Ned Tijdschr Geneeskd 1991 Apr 20;135(16):696-700 (46 ref.) **(Dut)**
[What is guaranteed in the therapy of primary biliary cirrhosis with bile acids?] Leuschner U. **Internist (Berl)** 1990 Nov; 31(11):707-11 (51 ref.) **(Ger)**

URTICARIA

Urticaria. Czarnetzki BM. **Immunol Ser** 1989;46:653-70 (51 ref.)
Acute and chronic urticaria and angioedema. Soter NA.
J Am Acad Dermatol 1991 Jul;25(1 Pt 2):146-54 (82 ref.)

CHEMICALLY INDUCED

[Importance of choosing suitable gloves for good protective effect. Disinfectants cause eczema and contact urticaria among health personnel] Fischer T, et al.
Lakartidningen 1991 Mar 20;88(12):1077, 1079-80 (15 ref.) **(Swe)**

COMPLICATIONS

[Contact eczema and urticaria in atopic dermatitis] Sourisse M, et al. **Ann Dermatol Venereol** 1990;117(10):747-51 (34 ref.) **(Fre)**
[Current aspects in medicine of the locomotor system. Urticarial vasculitis: apropos of a case] Wang F, et al.
Rev Med Liege 1991 Jun;46(6):336-42 (24 ref.) **(Fre)**

DIAGNOSIS

Urticaria and angioedema: diagnosis and evaluation. Cooper KD. **J Am Acad Dermatol** 1991 Jul;25(1 Pt 2):166-74; discussion 174-6 (28 ref.)
Allergic and reactive dermatoses. How to identify and treat them [published erratum appears in Postgrad Med 1991 Aug;90(2):54] Pariser RJ. **Postgrad Med** 1991 Jun; 89(8):75-80, 85 (9 ref.)

DRUG THERAPY

Cimetidine in idiopathic urticaria. Choy M, et al. **DICP** 1991 Jun;25(6):609-12 (12 ref.)
Acrivastine. A review of its pharmacological properties and therapeutic efficacy in allergic rhinitis, urticaria and related disorders. Brogden RN, et al. **Drugs** 1991 Jun;41(6):927-40 (64 ref.)
Cetirizine. A review of its pharmacological properties and clinical potential in allergic rhinitis, pollen-induced asthma, and chronic urticaria. Campoli-Richards DM, et al.
Drugs 1990 Nov;40(5):762-81 (93 ref.)
The role of antihistamines in the treatment of chronic urticaria. Monroe EW. **J Allergy Clin Immunol** 1990 Oct; 86(4 Pt 2):662-5 (28 ref.)
Urticaria: current therapy. Soter NA.
J Allergy Clin Immunol 1990 Dec;86(6 Pt 2):1009-14 (62 ref.)
Pharmacologic therapy for urticaria. Kennard CD, et al.
J Am Acad Dermatol 1991 Jul;25(1 Pt 2):176-87; discussion 188-9 (123 ref.)

ETIOLOGY

The physical urticarias. Greaves MW. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:284-9 (11 ref.)
Food, food additives and urticaria. Lessof MH.
Clin Exp Allergy 1991 Jan;21 Suppl 1:316-20 (12 ref.)

PATHOLOGY

Urticaria in a 68-year-old man [clinical conference] Anderson MH, et al. **Ann Allergy** 1991 Mar;66(3):207-11 (26 ref.)
Mast cells and their role in urticaria. Schwartz LB.
J Am Acad Dermatol 1991 Jul;25(1 Pt 2):190-203; discussion 203-4 (135 ref.)

URTICARIA, GIANT see **ANGIONEUROTIC EDEMA**

USER-COMPUTER INTERFACE

Computer access for persons who are blind or visually impaired: human factors issues. Griffith D.
Hum Factors 1990 Aug;32(4):467-75 (14 ref.)
[Man/machine interface: an ethological study of the relation phenomenon] Ohayon M, et al.
Ann Med Psychol (Paris) 1990 Aug-Sep;148(7):644-51 (15 ref.) **(Fre)**

UTERINE CONTRACTION

see related
CARDIOTOCOGRAPHY
LABOR, PREMATURE
TOCOLYTIC AGENTS

Home monitoring of uterine contractility. Summary of a workshop sponsored by the National Institute of Child Health and Human Development and the Bureau of Maternal and Child Health and Resources Development, Bethesda, Maryland, March 29 and 30, 1989. Rhoads GG, et al. **Am J Obstet Gynecol** 1991 Jul;165(1):2-6 (20 ref.)
[Adenylate cyclase and adrenoreceptors in the myometrium] Shlykov SG. **Ukr Biokhim Zh** 1990 Jul-Aug;62(4):3-14 (62 ref.) (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Pharmacology of parturition. Roy AC, et al.
Ann Acad Med Singapore 1991 Jan;20(1):71-7 (78 ref.)
Uterine contractility during pregnancy and the effect of abortifacient drugs. Bygdeman M, et al.
Baillieres Clin Obstet Gynaecol 1990 Jun;4(2):249-61 (51 ref.)

PHYSIOLOGY

The role of prostaglandins and ovarian hormones in the regulation of human uterine contractility. Bygdeman M, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1991;21B:799-806 (14 ref.)
Uterine contractility and interaction between prostaglandins and antiprogestins. Clinical implications. Bygdeman M, et al. **Ann N Y Acad Sci** 1991;626:561-7 (28 ref.)
[Uterine contraction. Mechanism, regulation and pharmacology] Palomar Morales M, et al.
Ginecol Obstet Mex 1990 Nov;58:303-9 (38 ref.) (Eng. Abstr.) **(Spa)**
[Uterine contraction. Mechanism, regulation and pharmacology] Palomar Morales M, et al.
Ginecol Obstet Mex 1990 Nov;58:303-9 (38 ref.) (Eng. Abstr.) **(Spa)**

UTERINE DISEASES

Postpartum hemorrhage: placenta accreta, uterine inversion, and puerperal hematomas. Zahn CM, et al.
Clin Obstet Gynecol 1990 Sep;33(3):422-31 (38 ref.)

COMPLICATIONS

Uterine causes of infertility. Siegler AM.
Curr Opin Obstet Gynecol 1990 Apr;2(2):173-81 (12 ref.)

DIAGNOSIS

Uterine incarceration during the third trimester: a rare complication of pregnancy. Van Winter JT, et al.
Mayo Clin Proc 1991 Jun;66(6):608-13 (16 ref.)
[Hysteroscopy as a method of evaluation of endometrial pathology during climacteric] Canino A, et al.
Minerva Ginecol 1991 May;43(5):217-22 (19 ref.) (Eng. Abstr.) **(Ita)**
[Assessment of the use of Pap test in a sample of pregnant women] Dindelli M, et al. **Minerva Ginecol** 1990 Jul-Aug; 42(7-8):305-8 (20 ref.) (Eng. Abstr.) **(Ita)**
[The Gemeprost test in the screening of endometrial pathology] Fedele M, et al. **Minerva Ginecol** 1991 Apr; 43(4):181-4 (11 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

Classification of endometrial cells on cervical cytology. Yancey M, et al. **Obstet Gynecol** 1990 Dec;76(6):1000-5 (12 ref.)

PHYSIOPATHOLOGY

The role of systemic and intrauterine infection in preterm parturition. Romero R, et al. **Ann N Y Acad Sci** 1991; 622:355-75 (172 ref.)

SURGERY

Intrauterine applications of the resectoscope. McLucas B.
Surg Gynecol Obstet 1991 Jun;172(6):425-31 (48 ref.)

UTERINE ENDOSCOPY see **HYSTEROSCOPY**

UTERINE HEMORRHAGE

ABC of antenatal care. Vaginal bleeding in early pregnancy--II [published erratum appears in BMJ 1991 Jun 29;302(6792):1596] Chamberlain G. **BMJ** 1991 May 18; 302(6786):1195-7 (0 ref.)
ABC of antenatal care, Vaginal bleeding in early pregnancy--I [see comments] Chamberlain G. **BMJ** 1991 May 11;302(6785):1141-3 (0 ref.) Comment in: BMJ 1991 Jun 8;302(6789):1400-1.
Management of abnormal genital bleeding in girls and women. Cowan BD, et al. **N Engl J Med** 1991 Jun 13; 324(24):1710-5 (44 ref.)
Bleeding in pregnancy. McGarry J. **Practitioner** 1990 Aug; 234(1493):768-70 (5 ref.)

DIAGNOSIS

Making sense of dysfunctional uterine bleeding. Johnson CA. **Am Fam Physician** 1991 Jul;44(1):149-57 (14 ref.)
Dysfunctional uterine bleeding and amenorrhea. Differential diagnosis and management. Clark-Coller T.
J Nurse Midwifery 1991 Jan-Feb;36(1):49-62 (21 ref.)
Abnormal bleeding in the climacteric. Jutras ML, et al.
Obstet Gynecol Clin North Am 1990 Jun;17(2):409-25 (41 ref.)
[Prevention and diagnosis of postoperative hemorrhage] Friedberg V. **Gynakologe** 1991 Jun;24(3):136-41 (18 ref.) **(Ger)**

ETIOLOGY

Vaginal bleeding in childhood and adolescence. Muram D. **Obstet Gynecol Clin North Am** 1990 Jun;17(2):389–408 (50 ref.)

Vaginal bleeding in premenarchal girls: a review. Fishman A, et al. **Obstet Gynecol Surv** 1991 Jul;46(7):457–60 (27 ref.)

[Accidental vaginal administration of colon contrast medium] Jaluvka V, et al. **Zentralbl Gynakol** 1991;113(2):115–8 (8 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Transcervical endometrial resection for abnormal uterine bleeding—report of 100 cases and review of the literature. Maher PJ, et al. **Aust N Z J Obstet Gynaecol** 1990 Nov; 30(4):357–60 (39 ref.)

[Internal iliac artery ligation in gynecology and obstetrics] Dai ZY. **Chung Hua Fu Chan Ko Tsa Chih** 1991 Jan; 26(1):52–5 (23 ref.) **(Chi)**

UTERINE INERTIA

THERAPY

Management of postpartum uterine atony. Ferland RJ, et al. **R I Med J** 1990 Dec;73(12):626–7 (7 ref.)

UTERINE MUSCLE see **MYOMETRIUM**

UTERINE NEOPLASMS

Primary melanoma of the cervix uteri, an avis rara? A review of the literature. Vleugels MP, et al. **Acta Obstet Gynecol Scand** 1990;69(3):259–64 (28 ref.)

Endometrial carcinoma: current concepts and future perspectives. Lindahl B. **Crit Rev Oncol Hematol** 1990; 10(4):315–26 (102 ref.)

Endometrial malignancy. Pfleiderer A. **Curr Opin Obstet Gynecol** 1991 Feb;3(1):91–9 (37 ref.)

Rare gynecologic malignancies. Schink JC, et al. **Curr Opin Obstet Gynecol** 1991 Feb;3(1):78–90 (55 ref.)

Recent advances in the biology and treatment of gestational trophoblastic diseases and germ cell tumors. Berkowitz RS. **Curr Opin Oncol** 1990 Oct;2(5):901–5 (15 ref.)

Estrogen replacement therapy: is previously treated cancer a contraindication? Creasman WT. **Obstet Gynecol** 1991 Feb;77(2):308–12 (20 ref.)

CHEMICALLY INDUCED

[Tamoxifen and endometrial adenocarcinoma] Rodier JF, et al. **Bull Cancer (Paris)** 1990;77(12):1207–10 (20 ref.) (Eng. Abstr.) **(Fre)**

CHEMISTRY

[Influences on steroid receptor levels and their significance for clinical practice] Vering A, et al. **Gynakologe** 1991 Feb; 24(1):22–7 (29 ref.) **(Ger)**

COMPLICATIONS

Endometriosis and infertility. el-Roeiy A, et al. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):166–72 (16 ref.)

Small bowel obstruction associated with a leiomyomatous uterus. A case report and review of the literature. Fontana R, et al. **J Clin Gastroenterol** 1990 Dec;12(6):690–2 (9 ref.)

Mild endometriosis and infertility: a critical review of epidemiologic data, diagnostic pitfalls, and classification limits. Candiani GB, et al. **Obstet Gynecol Surv** 1991 Jun; 46(6):374–82 (70 ref.)

DIAGNOSIS

Gynecologic cytology. Practical considerations and limitations. Ramzy I, et al. **Clin Lab Med** 1991 Jun; 11(2):271–92 (52 ref.)

Partial hydatidiform mole with subsequent trophoblastic tumor; a case report. Vejerslev LO, et al. **Eur J Obstet Gynecol Reprod Biol** 1991 Jun 5;40(1):73–7 (22 ref.)

Uterine tumors. Kato H. **Immunol Ser** 1990;53:385–95 (56 ref.)

Evolving concepts of molar pregnancy. Berkowitz RS, et al. **J Reprod Med** 1991 Jan;36(1):40–4 (32 ref.)

Placental site trophoblastic tumor. Diagnosis, clinical behavior and treatment. Finkler NJ. **J Reprod Med** 1991 Jan;36(1):27–30 (21 ref.)

[Possibilities and limitations of radiology—CT and MRT in cases of tumors of the uterus and ovary] Köster O. **Rontgenblatter** 1990 Oct;43(10):413–9 (52 ref.) (Eng. Abstr.) **(Ger)**

[The use of magnetic resonance tomography in cancer of the cervix and uterus] Lukas P, et al. **Rontgenpraxis** 1990 Dec;43(12):439–44 (13 ref.) **(Ger)**

[Hysteroscopy as a method of evaluation of endometrial pathology during climacteric] Canino A, et al. **Minerva Ginecol** 1991 May;43(5):217–22 (19 ref.) (Eng. Abstr.) **(Ita)**

[Assessment of the use of Pap test in a sample of pregnant women] Dindelli M, et al. **Minerva Ginecol** 1990 Jul–Aug; 42(7–8):305–8 (20 ref.) (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Multiagent chemotherapy of endometrial carcinoma. Brenner DE. **Cancer Treat Res** 1989;49:107–16 (29 ref.)

Systemic therapy with single agents for advanced or recurrent endometrial carcinoma. Thigpen T. **Cancer Treat Res** 1989;49:93–106 (51 ref.)

Hormonal aspects of endometrial cancer. Sutton G. **Curr Opin Obstet Gynecol** 1990 Feb;2(1):69–73 (16 ref.)

Gestational trophoblastic tumors and malignant ovarian germ cell tumors. Berkowitz RS. **Curr Opin Oncol** 1989 Oct; 1(1):119–22 (15 ref.)

Single-agent chemotherapy for nonmetastatic gestational trophoblastic neoplasia. Perspectives for the 21st century after three decades of use. Kohorn EI. **J Reprod Med** 1991 Jan;36(1):49–55 (41 ref.)

Hormonal treatment of endometrial carcinoma: an overview and new development in biology. Satyaswaroop PG, et al. **J Steroid Biochem Mol Biol** 1990 Dec 20;37(6):997–1001 (10 ref.)

Hormonal therapy before surgical treatment for uterine leiomyomas. Moghissi KS. **Surg Gynecol Obstet** 1991 Jun; 172(6):497–502 (30 ref.)

EMBRYOLOGY

Hydatidiform moles and teratomas confirm the human identity of the preimplantation embryo. Suarez A. **J Med Philos** 1990 Dec;15(6):627–35 (15 ref.)

ENZYMOLOGY

Human 17 beta-hydroxysteroid dehydrogenase in normal and malignant endometrium. Vihko R, et al. **Ann N Y Acad Sci** 1991;622:392–401 (31 ref.)

EPIDEMIOLOGY

Epidemiology of endometrial cancer. Voigt LF, et al. **Cancer Treat Res** 1989;49:1–21 (132 ref.)

The epidemiology of endometrial cancer. Parazzini F, et al. **Gynecol Oncol** 1991 Apr;41(1):1–16 (118 ref.)

Epidemiologic data on exogenous hormones and hepatocellular carcinoma and selected other cancers. Prentice RL. **Prev Med** 1991 Jan;20(1):38–46 (14 ref.)

[Gestational trophoblastic disease. Prevalence and epidemiologic features at the IMSS Torreón Medical Center] Walss Rodriguez RJ, et al. **Ginecol Obstet Mex** 1991 Apr;59:134–7 (10 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Uterine cervical cancer risk in cigarette smokers: a meta-analytic study. Licciardone JC, et al. **Am J Prev Med** 1990 Sep–Oct;6(5):274–81 (27 ref.)

GENETICS

Uterine leiomyoma cytogenetics. Nibert M, et al. **Genes Chromosom Cancer** 1990 May;2(1):3–13 (83 ref.)

[DNA examinations in gynecological cancer and breast cancer] Tropé C, et al. **Tidsskr Nor Laegeforen** 1991 May 20;111(13):1638–42 (32 ref.) (Eng. Abstr.) **(Nor)**

IMMUNOLOGY

Distribution of histo-blood group antigens in cervical and uterine endometrium. Stubbe Teglbjaerg C, et al. **APMIS Suppl** 1991;23:100–6 (47 ref.)

METABOLISM

Growth factors in normal and malignant uterine tissue. Murphy LJ, et al. **Ann N Y Acad Sci** 1991;622:383–91 (27 ref.)

[Changes in the peritoneal effusion in endometriosis and infertility] Shen L, et al. **Chung Hua I Hsueh Tsa Chih** 1991 May;71(5):296–8 (25 ref.) **(Chi)**

MORTALITY

High-risk factors in metastatic gestational trophoblastic neoplasia. DuBeshter B. **J Reprod Med** 1991 Jan;36(1):9–13 (27 ref.)

PATHOLOGY

Natural history of endometrial carcinoma. De Palo G. **Ann N Y Acad Sci** 1991;622:447–8 (0 ref.)

Effects of hormones on endometrial cancer cells in culture. Holinka CF, et al. **Ann N Y Acad Sci** 1991;622:422–38 (31 ref.)

Preinvasive lesions of the endometrium. Pecorelli S, et al. **Ann N Y Acad Sci** 1991;622:449–62 (86 ref.)

Malignant placental site trophoblastic tumor. A case report and a review of the literature. Larsen LG, et al. **APMIS Suppl** 1991;23:138–45 (18 ref.)

The ectopic ovary. A case report and review of the literature. Lachman MF, et al. **Arch Pathol Lab Med** 1991 Mar; 115(3):233–5 (20 ref.)

Radiotherapy in the management of nodal and peritoneal metastases. Potish RA. **Cancer Treat Res** 1989;49:63–70 (26 ref.)

Peritoneal cytology in endometrial carcinoma. Sutton GP. **Cancer Treat Res** 1989;49:41–52 (19 ref.)

Pathology of the uterine body. Fox H. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):437–41 (22 ref.)

Pathology of the uterine body. Fox H. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):568–73 (22 ref.)

Adequate staging for an adequate management in uterine cancers. Clinical experience. Onnis A, et al. **Eur J Gynaecol Oncol** 1991;12(2):99–102 (26 ref.)

Endometrial cancer: biochemical and clinical correlates. Gurpide E. **J Natl Cancer Inst** 1991 Mar 20;83(6):405–16 (111 ref.)

Pathology of trophoblast. Kurman RJ. **Monogr Pathol** 1991; (33):195–227 (50 ref.)

Intracranial oncotic aneurysms from choriocarcinoma. Case report and review of the literature. Hove B, et al. **Neuroradiology** 1990;32(6):526–8 (24 ref.)

Uterine papillary serous carcinoma: a review. Dunton CJ, et al. **Obstet Gynecol Surv** 1991 Feb;46(2):97–102 (22 ref.)

Placental site trophoblastic tumors (trophoblastic pseudotumors): pathology and clinical importance. Maymon R, et al. **Obstet Gynecol Surv** 1990 Oct; 45(10):654–6 (23 ref.)

The significance of positive peritoneal cytology in endometrial cancer [see comments] Sutton GP. **Oncology (Williston Park)** 1990 Jun;4(6):21–6; discussion 30–2 (19 ref.) Comment in: Oncology (Williston Park) 1990 Oct;4(10):12.

Diagnosis and management of brain metastasis from gestational trophoblastic disease. Weed JC Jr, et al. **Oncology (Williston Park)** 1991 Jun;5(6):48–50; discussion 50, 53–4 (7 ref.)

[Utero-ovarian mucoid carcinoma, of presumed wolffian duct origin (pure mesonephrotic carcinoma). Apropos of a case and review of the literature] Pons JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1990;19(7):837–43 (32 ref.) (Eng. Abstr.) **(Fre)**

[The so-called placental site trophoblastic tumor] Ammann M, et al. **Geburtshilfe Frauenheilkd** 1991 Jan;51(1):67–9 (9 ref.) **(Ger)**

[Magnetic resonance tomography of the uterus. Study techniques, normal and pathologic anatomy] Nauert T, et al. **Rontgenpraxis** 1991 Mar;44(3):83–8 (29 ref.) **(Ger)**

[Adenomatoid tumor of the uterus: report of 3 cases] Tiszlavicz L. **Morphol Igazsagugyi Orv Sz** 1990 Jul; 30(3):196–201 (35 ref.) (Eng. Abstr.) **(Hun)**

[Endometrial carcinoma—stage I. Evaluation of risk and prognostic factors in an analysis of 120 cases] Romano FM, et al. **Minerva Ginecol** 1991 Mar;43(3):97–104 (25 ref.) (Eng. Abstr.) **(Ita)**

[Degrees of malignancy and biological behavior in gynecologic cancer] Hasumi K. **Gan No Rinsho** 1990 Aug; 36(10):1089–93 (7 ref.) (Eng. Abstr.) **(Jpn)**

[Histological and clinical classification of gynecological tumours] Moriwaki S. **Gan No Rinsho** 1990 Aug; 36(10):1095–105 (12 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Uterus-derived growth substances: possible implications for human uterus physiology and pathophysiology (review). The Group for Gynecological Investigation. Koutsilieris M. **In Vivo** 1990 Jan–Feb;4(1):45–8 (19 ref.)

PREVENTION & CONTROL

Reducing cancer risk in women through lifestyle-mediated changes in hormone levels. Pike MC. **Cancer Detect Prev** 1990;14(6):595–607 (42 ref.)

Oral contraceptives and neoplasia of the uterine corpus. Schlesselman JJ. **Contraception** 1991 Jun;43(6):557–79 (57 ref.)

RADIOTHERAPY

The role of preoperative radiotherapy in the treatment of carcinoma of the endometrium. Einhorn N. **Cancer Treat Res** 1989;49:53–61 (24 ref.)

[The value of and indications for radiotherapy in endometrial carcinoma] Kucera H. **Strahlenther Onkol** 1991 Jul; 167(7):381–6 (25 ref.) (Eng. Abstr.) **(Ger)**

[High dose brachytherapy in gynecologic neoplasms. Review of the literature] Portaluri M, et al. **Minerva Ginecol** 1991 Mar;43(3):87–95 (29 ref.) (Eng. Abstr.) **(Ita)**

SURGERY

Does today's vaginal surgery still have a specific role in the treatment of endometrial cancer? Carenza L, et al. **Ann N Y Acad Sci** 1991;622:477–84 (13 ref.)

Surgical management of endometrial cancer. Wain G, et al. **Cancer Treat Res** 1989;49:23–40 (48 ref.)

Early brain metastases in endometrial carcinoma. Kottke-Marchant K, et al. **Gynecol Oncol** 1991 Apr; 41(1):67–73 (29 ref.)

Conservative surgical treatment for severe endometriosis in infertile women: are we making progress? Candiani GB, et al. **Obstet Gynecol Surv** 1991 Jul;46(7):490–8 (91 ref.)

[Cytological analysis of peritoneal lavage fluid in patients during operation for cancer of the myometrium] Forgách J, et al. **Orv Hetil** 1991 Jun 9;132(23):1253–6 (38 ref.) (Eng. Abstr.) **(Hun)**

[Current problems and complications of extensive uterine and pelvic lymph node excision for cancer of the uterus based on a 25-year case load] Forgách J, et al. **Orv Hetil** 1990 Sep 23;131(38):2079–84 (42 ref.) (Eng. Abstr.) **(Hun)**

[Surgical treatment of endometrial cancer] Tsukamoto N. **Gan No Rinsho** 1990 Aug;36(10):1149–54 (21 ref.) (Eng. Abstr.) **(Jpn)**

UTERINE NEOPLASMS

[Chorioadenoma destruens. Presentation of a case and review of the literature] Sereno Coló JA, et al. **Ginecol Obstet Mex** 1988 Feb;56:47–50 (21 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Management of early adenocarcinoma of the endometrium with surgical staging followed by tailored adjuvant radiation therapy. DiSaia PJ. **Ann N Y Acad Sci** 1991; 622:488–95 (4 ref.)

Systemic treatment of advanced and recurrent endometrial carcinoma: current status and future directions. Moore TD, et al. **J Clin Oncol** 1991 Jun;9(6):1071–88 (161 ref.)

Management of early stage endometrial papillary adenocarcinoma. Ampil F, et al. **J La State Med Soc** 1991 Jan;143(1):22–7 (13 ref.)

Recent advances in endometrial cancer. Creasman WT, et al. **Semin Surg Oncol** 1990;6(6):339–42 (10 ref.)

Gestational trophoblastic tumors. Lurain JR. **Semin Surg Oncol** 1990;6(6):347–53 (70 ref.)

[Myoma in pregnancy—a case report and a literature review] Ammann M, et al. **Schweiz Rundsch Med Prax** 1990 Oct 2;79(40):1172–4 (10 ref.) (Eng. Abstr.) **(Ger)**

[A plan and a view for better prognosis] Suzuki T. **Gan No Rinsho** 1990 Aug;36(10):1193–8 (4 ref.) (Eng. Abstr.) **(Jpn)**

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the vagina, uterus and oviduct. Anisimov VN, et al. **IARC Sci Publ** 1990;(99):445–71 (75 ref.)

UTERINE PROLAPSE

COMPLICATIONS

Genital prolapse with and without urinary incontinence. Harris TA, et al. **J Reprod Med** 1990 Aug;35(8):792–8 (24 ref.)

[Obstructive uropathy in genital prolapse] Arrizabalaga M, et al. **Actas Urol Esp** 1990 Jul–Aug;14(4):245–51 (20 ref.) (Eng. Abstr.) **(Spa)**

VETERINARY

Clinical approach to vaginal/vestibular masses in the bitch. Manothaiudom K, et al. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):509–21 (53 ref.)

UTERINE RUPTURE

Uterine rupture. Phelan JP. **Clin Obstet Gynecol** 1990 Sep; 33(3):432–7 (22 ref.)

PATHOLOGY

[Open uterine rupture of the pregnant uterus bicornis—a case report] Haberthür F, et al. **Geburtshilfe Frauenheilkd** 1990 Sep;50(9):731–3 (13 ref.) (Eng. Abstr.) **(Ger)**

UTEROGLOBIN

GENETICS

One gene encoding three proteins with different functions. Mihal K, et al. **Am J Respir Cell Mol Biol** 1991 Jul;5(1):1–3 (22 ref.)

Expression of the uteroglobin promoter in epithelial cell lines from endometrium. Helftenbein G, et al. **Ann N Y Acad Sci** 1991;622:69–79 (28 ref.)

PHARMACOLOGY

Inhibition of phospholipase A2 by uteroglobin and antiflammin peptides. Miele L, et al. **Adv Exp Med Biol** 1990;279:137–60 (88 ref.)

UTEROVERDINE see **BILIVERDINE**

UTERUS

see related
HYSTERECTOMY
HYSEROSALPINGOGRAPHY
HYSTEROSCOPY

ABNORMALITIES

Uterine incarceration during the third trimester: a rare complication of pregnancy. Van Winter JT, et al. **Mayo Clin Proc** 1991 Jun;66(6):608–13 (16 ref.)

Double uterus with an obstructed hemivagina and ipsilateral renal agenesis: report of 5 cases and a review of the literature. Lin CC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1991 Feb;90(2):195–201 (18 ref.)

Imaging of uterovaginal anomalies in the pediatric patient. Shatzkes DR, et al. **Urol Radiol** 1991;13(1):58–66 (18 ref.)

[Renal agenesis, bicornuate uterus and cyst of the Gartner's duct] Staerman F, et al. **Ann Pediatr (Paris)** 1991 May; 38(5):341–3 (7 ref.) (Eng. Abstr.) **(Fre)**

[Open uterine rupture of the pregnant uterus bicornis—a case report] Haberthür F, et al. **Geburtshilfe Frauenheilkd** 1990 Sep;50(9):731–3 (13 ref.) (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

[Magnetic resonance tomography of the uterus. Study techniques, normal and pathologic anatomy] Nauert T, et al. **Rontgenpraxis** 1991 Mar;44(3):83–8 (29 ref.) **(Ger)**

BLOOD SUPPLY

Function of blood vessels relative to implantation. Akerlund M. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):15–23 (24 ref.)

Developmental pathogenesis of defects associated with prenatal cocaine exposure: fetal vascular disruption. Jones KL. **Clin Perinatol** 1991 Mar;18(1):139–46 (24 ref.)

Ultrasound imaging—2000: assessment of utero–ovarian blood flow with transvaginal color Doppler sonography; potential clinical applications in infertility. Fleischer AC. **Fertil Steril** 1991 Apr;55(4):684–91 (12 ref.)

Endothelium-derived vasoactive substances and uterine blood vessels. Magness RR. **Semin Perinatol** 1991 Feb; 15(1):68–78 (66 ref.)

["Goldblatt phenomenon of the uterus" and latent kidney disease as the cause of pregnancy-induced hypertension—epidemiology and therapeutic consequences] Künzel W. **Geburtshilfe Frauenheilkd** 1990 Nov;50(11):833–41 (43 ref.) (Eng. Abstr.) **(Ger)**

[Pathology of the spiral arteries of the uterus and its significance in the pathogenesis of disorders of the uteroplacental circulation] Voloshchuk IN. **Vestn Akad Med Nauk SSSR** 1991;(5):22–6 (50 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Macrophages and migratory cells in endometrium relevant to implantation. Lea RG, et al. **Baillieres Clin Obstet Gynaecol** 1991 Mar;5(1):25–59 (181 ref.)

METABOLISM

Growth factors in normal and malignant uterine tissue. Murphy LJ, et al. **Ann N Y Acad Sci** 1991;622:383–91 (27 ref.)

MICROBIOLOGY

[Intrauterine infection an important cause of pregnancy complications] Pettersson M, et al. **Lakartidningen** 1990 Sep 12;87(37):2874, 2877–8 (24 ref.) **(Swe)**

PATHOLOGY

Obstructive acute renal failure by a gravid uterus: a case report and review. Brandes JC, et al. **Am J Kidney Dis** 1991 Sep;18(3):398–401 (19 ref.)

Pathology of the uterine corpus. Clement PB. **Hum Pathol** 1991 Aug;22(8):776–91 (164 ref.)

PHYSIOLOGY

Regeneration in the primate uterus: the role of stem cells. Padykula HA. **Ann N Y Acad Sci** 1991;622:47–56 (24 ref.)

Paracrine regulation of implantation and uterine function. Findlay JK, et al. **Baillieres Clin Obstet Gynaecol** 1991 Mar; 5(1):117–31 (62 ref.)

Renin in the female reproductive system. Hsueh WA. **Cardiovasc Drugs Ther** 1988 Nov;2(4):473–7 (45 ref.)

The role of oxytocin: present concepts. Jenkins JS, et al. **Clin Endocrinol (Oxf)** 1991 Jun;34(6):515–25 (123 ref.)

Uterine insulin-like growth factor-1: regulation of expression and its role in estrogen-induced uterine proliferation. Murphy LJ, et al. **Endocr Rev** 1990 Aug;11(3):443–53 (97 ref.)

Uterus-derived growth substances: possible implications for human uterus physiology and pathophysiology (review). The Group for Gynecological Investigation. Koutsilieris M. **In Vivo** 1990 Jan–Feb;4(1):45–8 (19 ref.)

Current topic: the role of macrophages in the uterine response to pregnancy. Hunt JS. **Placenta** 1990 Nov–Dec; 11(6):467–75 (79 ref.)

SECRETION

Paracrine regulation of implantation and uterine function. Findlay JK, et al. **Baillieres Clin Obstet Gynaecol** 1991 Mar; 5(1):117–31 (62 ref.)

SURGERY

[The current approaches to choosing a rational procedure for the pregnancy and labor management of women with a scar on the uterus] Strizhakov AN, et al. **Akush Ginekol (Mosk)** 1991 Feb;(2):8–13 (62 ref.) **(Rus)**

ULTRASONOGRAPHY

Diagnostic imaging of the reproductive organs of the bitch. Methods and limitations. Rivers B, et al. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):437–66 (45 ref.)

UTILITARIANISM see **ETHICS**

UTRICLE see **SACCULE AND UTRICLE**

UVEA

IMMUNOLOGY

[Significance of autoimmunity in various forms of uveitis] Zierhut M, et al. **Klin Monatsbl Augenheilkd** 1991 Mar; 198(3):165–73 (102 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

The 1990 Endre Balazs Lecture. Effects of some neuropeptides on the uvea. Anders B. **Exp Eye Res** 1991 Jul;53(1):3–11 (56 ref.)

UVEAL NEOPLASMS

DIAGNOSIS

Observations on intraocular leiomyomas. Shields JA, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1990;42:945–50 (25 ref.)

UVEITIS

Intraocular infections: current therapeutic approach. Hibberd PL, et al. **Curr Clin Top Infect Dis** 1991;11:118–69 (371 ref.)

COMPLICATIONS

Cataract extraction in uveitis patients. Hooper PL, et al. **Surv Ophthalmol** 1990 Sep–Oct;35(2):120–44 (74 ref.)

[Interstitial nephritis associated with uveitis] Gómez García S, et al. **An Esp Pediatr** 1990 Dec;33(6):589–91 (26 ref.) **(Spa)**

DIAGNOSIS

Selection and interpretation of laboratory tests for patients with uveitis. Rosenbaum JT, et al. **Int Ophthalmol Clin** 1990 Fall;30(4):238–43 (41 ref.)

Invasive diagnostic techniques for uveitis and simulating conditions. Augsburger JJ. **Trans Am Ophthalmol Soc** 1990; 88:89–104; discussion 104–7 (16 ref.)

Invasive diagnostic techniques for uveitis and simulating conditions. Augsburger JJ. **Trans Pa Acad Ophthalmol Otolaryngol** 1990;42:964–71 (16 ref.)

ETIOLOGY

Role of bacterial debris in inflammatory diseases of the joint and eye. Fox A. **APMIS** 1990 Nov;98(11):957–68 (99 ref.)

Uveitis in juvenile chronic arthritis. Kanski JJ. **Clin Exp Rheumatol** 1990 Sep–Oct;8(5):499–503 (21 ref.)

The natural history of uveitis. Nussenblatt RB. **Int Ophthalmol** 1990 Oct;14(5–6):303–8 (40 ref.)

Lyme uveitis. Copeland RA Jr. **Int Ophthalmol Clin** 1990 Fall;30(4):291–3 (26 ref.)

Peripheral uveitis: an infectious etiology? Sanders RJ, et al. **Int Ophthalmol Clin** 1990 Fall;30(4):318–21 (40 ref.)

Brucellosis and nonsyphilitic treponemal uveitis. Tabbara KF. **Int Ophthalmol Clin** 1990 Fall;30(4):294–6 (10 ref.)

The molecular biology of IRBP: application to problems of uveitis, protein chemistry, and evolution. Nickerson JM, et al. **Prog Clin Biol Res** 1991;362:139–61 (44 ref.)

S-antigen: molecular mimicry may play a role in autoimmune uveitis. Shinohara T, et al. **Prog Clin Biol Res** 1991; 362:163–90 (67 ref.)

[Uveitis: etiological aspects] Fresard A, et al. **Rev Med Interne** 1989 Sep–Oct;10(5):442–8 (76 ref.) **(Fre)**

[Uveitis. A status assessment] Arocker-Mettinger E, et al. **Fortschr Ophthalmol** 1990;87 Suppl:S110–7 (104 ref.) (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

The dissection of experimental autoimmune uveoretinitis [news] Ohno S, et al. **Immunol Today** 1990 Aug;11(8):268–9 (0 ref.)

HLA and uveitis. Feltkamp TE. **Int Ophthalmol** 1990 Oct; 14(5–6):327–33 (14 ref.)

[Significance of autoimmunity in various forms of uveitis] Zierhut M, et al. **Klin Monatsbl Augenheilkd** 1991 Mar; 198(3):165–73 (102 ref.) (Eng. Abstr.) **(Ger)**

METABOLISM

Role of oxygen free radicals in retinal damage associated with experimental uveitis. Rao NA. **Trans Am Ophthalmol Soc** 1990;88:797–850 (123 ref.)

PATHOLOGY

The role of histopathology in the diagnosis and management of uveitis. Côté MA, et al. **Int Ophthalmol** 1990 Oct; 14(5–6):309–16 (26 ref.)

PHYSIOPATHOLOGY

Arachidonic acid cascade and platelet-activating factor in the network of eye inflammatory mediators: therapeutic implications in uveitis. Bazan NG, et al. **Int Ophthalmol** 1990 Oct;14(5–6):335–44 (48 ref.)

SURGERY

Surgical approaches to uveitis. Belfort R Jr, et al. **Int Ophthalmol Clin** 1990 Fall;30(4):314–7 (0 ref.)
Intraocular lens implantation in an eye with Behçet's uveitis. Loewenstein A, et al. **J Cataract Refract Surg** 1991 Jan; 17(1):95–7 (12 ref.)
[Vitrectomy in uveitis] Libert J. **Bull Soc Belge Ophtalmol** 1989;230:143–53 (38 ref.) (Eng. Abstr.) **(Fre)**

UVEITIS, ANTERIOR

Anterior and intermediate uveitis. Pavesio CE, et al. **Int Ophthalmol Clin** 1990 Fall;30(4):244–51 (56 ref.)

COMPLICATIONS

[Uveitis and rheumatic diseases] Malaise-Stals J. **Bull Soc Belge Ophtalmol** 1989;230:3–12 (32 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Ocular complications of rheumatic diseases of childhood. Petty RE. **Clin Orthop** 1990 Oct;(259):51–9 (44 ref.)
Systemic associations of anterior uveitis. Rosenbaum JT. **Int Ophthalmol Clin** 1991 Summer;31(3):131–42 (45 ref.)

GENETICS

Genetical factors--other than HLA-B27--in "HLA-B27-associated diseases". Derhaag PJ. **Scand J Rheumatol Suppl** 1990;87:122–6; discussion 126 (22 ref.)

UVEITIS, INTERMEDIATE

Anterior and intermediate uveitis. Pavesio CE, et al. **Int Ophthalmol Clin** 1990 Fall;30(4):244–51 (56 ref.)

UVEITIS, POSTERIOR

Endogenous posterior uveitis. Forrester JV. **Br J Ophthalmol** 1990 Oct;74(10):620–3 (52 ref.)

PATHOLOGY

Fluorescein angiography in patients with posterior uveitis. Listhaus AD, et al. **Int Ophthalmol Clin** 1990 Fall; 30(4):297–308 (45 ref.)

UVEITIS, SYMPATHETIC see **OPHTHALMIA, SYMPATHETIC**

UVEOMENINGOENCEPHALITIC SYNDROME

Sympathetic ophthalmia and Vogt-Koyanagi-Harada syndrome. Goto H, et al. **Int Ophthalmol Clin** 1990 Fall; 30(4):279–85 (50 ref.)

UVOMORULIN see **CADHERINS**

UVULA

SURGERY

[Obstructive sleep apnea treated with uvulo-palato-pharyngoplasty] Ovesen JO, et al. **Ugeskr Laeger** 1991 Mar 11;153(11):772–5 (27 ref.) (Eng. Abstr.) **(Dan)**

V-ABL GENES see **GENES, ABL**

V-HA-RAS GENES see **GENES, RAS**

V-KI-RAS GENES see **GENES, RAS**

V-MYC GENES see **GENES, MYC**

V-ONC PROTEINS see **ONCOGENE PROTEINS, VIRAL**

V-SRC GENES see **GENES, SRC**

V-SRC PROTEIN PP60 see **ONCOGENE PROTEIN PP60(V-SRC)**

VACCINATION

Use of combined viral vaccines. Gallili GE. **Adv Biotechnol Processes** 1990;14:147–57 (41 ref.)
Direct and indirect effects in vaccine efficacy and effectiveness. Halloran ME, et al. **Am J Epidemiol** 1991 Feb 15;133(4):323–31 (29 ref.)
Therapeutic advances in the prevention of hepatitis B: yeast-derived recombinant hepatitis B vaccines. Garrison MW, et al. **DICP** 1991 Jun;25(6):617–27 (61 ref.)
Intradermal hepatitis B vaccination. Rivey MP, et al. **DICP** 1991 Jun;25(6):628–34 (43 ref.)
Prophylactic treatment regimens for the prevention of hepatitis A. Current concepts. Kendall BJ, et al. **Drugs** 1991 Jun;41(6):883–8 (39 ref.)
The modulation of the specific and non-specific host response in case of influenza virus infection and vaccination in man. Süss J, et al. **Exp Pathol** 1991;41(3):121–34 (50 ref.)
The current status of diarrhoea related vaccines. Sarkar SK, et al. **Indian J Public Health** 1990 Jan-Mar;34(1):20–34 (77 ref.)
Operational evaluation of the efficacy of vaccines by the case control method. Diwan VK. **Int J Technol Assess Health Care** 1991;7(1):59–62 (27 ref.)
Women, HIV, and mucosal immunity [see comments] Forrest BD. **Lancet** 1991 Apr 6;337(8745):835–6 (24 ref.) Comment in: Lancet 1991 May 25;337(8752):1289.
Public health control of HBV: worldwide HBV vaccination programme. Gust I. **Prog Clin Biol Res** 1991;364:333–42 (7 ref.)
Prospects of vaccination against schistosomiasis. Bergquist R. **Scand J Infect Dis Suppl** 1990;76:60–71 (63 ref.)
Vaccinations in the health strategies of developing countries. Henderson RH. **Scand J Infect Dis Suppl** 1990;76:7–14 (3 ref.)
Immunogenicity of low-dose intradermal recombinant DNA hepatitis B vaccine. Parish DC, et al. **South Med J** 1991 Apr;84(4):426–30 (37 ref.)
[Active and passive prevention of viral hepatitis] Jilg W. **Internist (Berl)** 1991 May;32(5):249–55 (30 ref.) **(Ger)**
[Neonatal sepsis: bases and possibilities for immunotherapy and immunoprophylaxis. 3: Immunoprophylaxis] Borte M, et al. **Padiatr Grenzgeb** 1990;29(5):373–6 (26 ref.) (Eng. Abstr.) **(Ger)**
[New vaccinations: compulsory or not?] Ortona L, et al. **Medicina (Firenze)** 1990 Jul-Sep;10(3):303–8 (30 ref.) (Eng. Abstr.) **(Ita)**
[Anti-infectious immunity, vaccination and histocompatibility antigens] Medunitsyn NV. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Aug;(8):107–12 (31 ref.) **(Rus)**
[Is vaccination against pregnancy a way to stop overpopulation in the world?] Mårdh PA. **Lakartidningen** 1991 Jul 24;88(30–31):2506–7 (11 ref.) **(Swe)**

ECONOMICS

Vaccines in health strategies for developing countries--priorities and technology transfer. Shao JF. **Scand J Infect Dis Suppl** 1990;76:15–9 (7 ref.)

INSTRUMENTATION

[The use of jet injector-type apparatus in vaccination. The risk of the transmission of infectious agents via a jet under pressure] Dimache G. **Rev Ig [Bacteriol]** 1990 Apr-Jun; 35(2):169–81 (38 ref.) **(Rum)**

METHODS

[Active and passive immunization: 1991 status] Herzog C. **Ther Umsch** 1991 Apr;48(4):232–44 (38 ref.) (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Ethical problems raised by anti-HIV vaccination. Enel P, et al. **Eur J Epidemiol** 1991 Mar;7(2):147–53 (72 ref.)

STATISTICS & NUMERICAL DATA

[Vaccination coverage in a pediatric population attended by a primary health care center] Lou Arnal S, et al. **An Esp Pediatr** 1990 Jul;33(1):27–30 (34 ref.) (Eng. Abstr.) **(Spa)**

TRENDS

New approaches to vaccination. Flexner C. **Adv Pharmacol** 1990;21:51–99 (182 ref.)
Recombinant virus vaccines--present status and future prospects. Heinrich HW. **Arch Exp Veterinarmed** 1990; 44(6):849–53 (15 ref.)
[Vaccinations: the present and future prospects] Llorens-Terol J. **An Esp Pediatr** 1989 Sep;31 Suppl 38:24–31 (40 ref.) **(Spa)**

VETERINARY

Vaccination against feline retroviruses. Jarrett O. **Dev Biol Stand** 1990;72:185–8 (11 ref.)
Prospects for the control of sheep blowfly strike by vaccination. Sandeman RM. **Int J Parasitol** 1990 Jul; 20(4):537–41 (27 ref.)
Methods currently used for the control of Theileria annulata: their validity and proposals for future control strategies. Singh DK. **Parassitologia** 1990 Apr;32(1):33–40 (15 ref.)
Perspectives for subunit vaccines for the control of ticks. Willadsen P. **Parassitologia** 1990 Apr;32(1):195–200 (17 ref.)
Genetically engineered vaccines for control of Aujeszky's disease (pseudorabies). Kit S. **Vaccine** 1990 Oct;8(5):420–4 (23 ref.)

VACCINE THERAPY see **IMMUNOTHERAPY, ACTIVE**

VACCINES

Classical and new approaches to adjuvant use in domestic food animals. Dalsgaard K, et al. **Adv Vet Sci Comp Med** 1990;35:121–60 (232 ref.)
Relevance of immuno-contraceptive vaccines for population control. I. Hormonal immunocontraception. Gupta SK, et al. **Arch Immunol Ther Exp (Warsz)** 1990;38(1–2):47–60 (68 ref.)
Relevance of immuno-contraceptive vaccines for population control. II. Gamete antigens. Kurpisz M. **Arch Immunol Ther Exp (Warsz)** 1990;38(1–2):61–78 (119 ref.)
Immunization against parasites: bridging the gap between attenuated and non-living vaccines. Sher A, et al. **Behring Inst Mitt** 1991 Feb;(88):244–8 (16 ref.)
Biotechnology of vaccine development. Liew FY. **Biotechnol Genet Eng Rev** 1990;8:53–95 (236 ref.)
Tumor vaccines. Stevenson FK. **FASEB J** 1991 Jun; 5(9):2250–7 (44 ref.)
Use and desired properties of poultry vaccines. Biggs PM. **J Reprod Fertil Suppl** 1990;41:149–52 (4 ref.)
Nutritional effects on response of children in developing countries to respiratory tract pathogens: implications for vaccine development. Keusch GT. **Rev Infect Dis** 1991 May-Jun;13 Suppl 6:S486–91 (54 ref.)
A short review of biotechnological methods of relevance to modern vaccine development. Helland DE, et al. **Scand J Infect Dis Suppl** 1990;76:32–8 (13 ref.)
Vaccines in health strategies for developing countries--priorities and technology transfer. Shao JF. **Scand J Infect Dis Suppl** 1990;76:15–9 (7 ref.)
Vaccines against STDs: specific considerations? Wigzell H. **Scand J Infect Dis Suppl** 1990;69:207–11 (9 ref.)
Molecular technology: peptide epitope mapping and the pin technology. Geysen HM. **Southeast Asian J Trop Med Public Health** 1990 Dec; 21(4):523–33 (31 ref.)

ADMINISTRATION & DOSAGE

Effective transfer of membrane proteins from intact cells to liposomes and preparation of liposomal vaccines. Sunamoto J, et al. **Ann N Y Acad Sci** 1990;613:116–27 (22 ref.)
Maternal immunization to prevent fetal and neonatal infection. Faix RG. **Clin Obstet Gynecol** 1991 Jun; 34(2):277–87 (23 ref.)
Absorption of peptides and proteins from the respiratory tract and the potential for development of locally administered vaccine. O'Hagan DT, et al. **Crit Rev Ther Drug Carrier Syst** 1990;7(1):35–97 (421 ref.)

ADVERSE EFFECTS

Human effects of veterinary biological products. Geller RJ. **Vet Hum Toxicol** 1990 Oct;32(5):479–80 (25 ref.)
[The side effects of vaccines used in prophylactic inoculation schedules] Ozeretskovskii NA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1991 May;(5):59–63 (53 ref.) **(Rus)**

IMMUNOLOGY

Sperm and seminal plasma antigens relevant to contraceptive vaccine development. Isojima S. **Curr Opin Immunol** 1989–90;2(5):752–6 (17 ref.)
The immunobiology of follicle-stimulating hormone and inhibin: prospects for a contraceptive vaccine. Moudgal NR. **Curr Opin Immunol** 1989–90;2(5):736–42 (12 ref.)
Sperm surface antigens involved in mammalian fertilization: their role in contraceptive vaccine development for humans. Naz RK. **Curr Opin Immunol** 1989–90;2(5):748–51 (18 ref.)
Development of vaccines targeting the zona pellucida. Paterson M, et al. **Curr Opin Immunol** 1989–90;2(5):743–7 (7 ref.)
A mouse model for Borrelia burgdorferi infection: approach to a vaccine against Lyme disease. Simon MM, et al. **Immunol Today** 1991 Jan;12(1):11–6 (67 ref.)
Peptide regulatory factors and optimization of vaccines. Schrader JW. **Mol Immunol** 1991 Mar;28(3):295–9 (13 ref.)
Heat shock proteins as vaccine candidates. Newport GR. **Semin Immunol** 1991 Jan;3(1):17–24 (74 ref.)
[In search of a vaccine for fertility control] Madrigal JA, et al. **Ginecol Obstet Mex** 1988 Jan;56:13–9 (26 ref.) (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Anti-idiotypic antibodies: a new generation of vaccines against infectious agents. Zhou EM, et al. **Microbiol Sci** 1987 Feb;4(2):36–40 (42 ref.)

PHARMACOLOGY

Gonadotrophin vaccines. Mitchison NA. **Curr Opin Immunol** 1989–90;2(5):725–7 (7 ref.)
Anti-idiotype-based vaccines against biological toxins. Chanh TC, et al. **Toxicol Appl Pharmacol** 1991 Apr; 108(2):183–93 (33 ref.)

STANDARDS

Safe handling of vaccines. Casto DT, et al. **Pediatrics** 1991 Jan;87(1):108–12 (17 ref.)

TOXICITY

Safety of anti-fertility vaccines. Mauck CP, et al. **Curr Opin Immunol** 1989–90;2(5):728–32 (16 ref.)

VACCINES, ATTENUATED

Immunization against parasites: bridging the gap between attenuated and non-living vaccines. Sher A, et al. **Behring Inst Mitt** 1991 Feb;(88):244–8 (16 ref.)

VACCINES, INACTIVATED

The immune response to influenza vaccines. Ghendon Y. **Acta Virol (Praha)** 1990 May;34(3):295–304 (49 ref.)

Problems and prospects for preparation of killed antiviral vaccines. Budowsky EI. **Adv Virus Res** 1991;39:255–90 (114 ref.)

IMMUNOLOGY

Inactivated candidate vaccines for hepatitis A. André FE, et al. **Prog Med Virol** 1990;37:72–95 (54 ref.)

VACCINES, KILLED see **VACCINES, INACTIVATED**

VACCINES, RECOMBINANT see **VACCINES, SYNTHETIC**

VACCINES, SYNTHETIC

Background paper. Progress towards a coronavirus recombinant DNA vaccine. Spaan WJ. **Adv Exp Med Biol** 1990;276:201–3 (0 ref.)

Recombinant virus vaccines—present status and future prospects. Heinrich HW. **Arch Exp Veterinarmed** 1990; 44(6):849–53 (15 ref.)

Vaccines against hepatitis A and B. Zuckerman AJ. **Baillieres Clin Gastroenterol** 1990 Sep;4(3):775–88 (28 ref.)

Hypothesis: synthetic aging antigen can be used to manipulate cellular lifespan. Kay MM, et al. **Life Sci** 1991; 48(17):1603–8 (31 ref.)

Genetically engineered vaccines: problems and promises. Brown F, et al. **Microbiol Sci** 1984 Aug;1(5):123–7 (38 ref.)

Development of recombinant antigen vaccines for the control of theileriosis. Musoke AJ, et al. **Parassitologia** 1990 Apr; 32(1):73–85 (65 ref.)

Perspectives for subunit vaccines for the control of ticks. Willadsen P. **Parassitologia** 1990 Apr;32(1):195–200 (17 ref.)

Genetically engineered herpesvirus vaccines. Accomplishments in pigs and prospects in humans. Kit S, et al. **Prog Med Virol** 1991;38:128–66 (121 ref.)

Progress toward malaria preerythrocytic vaccines. Hoffman SL, et al. **Science** 1991 Apr 26;252(5005):520–1 (27 ref.)

Vaccinia virus: a tool for research and vaccine development. Moss B. **Science** 1991 Jun 21;252(5013):1662–7 (102 ref.)

A recombinant subunit vaccine approach to HCMV vaccine development. Spaete RR. **Transplant Proc** 1991 Jun;23(3 Suppl 3):90–6 (39 ref.)

ADMINISTRATION & DOSAGE

Therapeutic advances in the prevention of hepatitis B: yeast-derived recombinant hepatitis B vaccines. Garrison MW, et al. **DICP** 1991 Jun;25(6):617–27 (61 ref.)

Intradermal hepatitis B vaccination. Rivey MP, et al. **DICP** 1991 Jun;25(6):628–34 (43 ref.)

BIOSYNTHESIS

Baculovirus expression vector system for production of viral vaccines. Vlak JM, et al. **Adv Biotechnol Processes** 1990; 14:91–128 (151 ref.)

Designing future vaccines. Brown F. **J Hosp Infect** 1991 Jun; 18 Suppl A:164–9 (2 ref.)

Overview of flavivirus molecular biology and future vaccine development via recombinant DNA. Rice CM. **Southeast Asian J Trop Med Public Health** 1990 Dec; 21(4):670–7 (54 ref.)

CHEMICAL SYNTHESIS

Molecular bases for the construction of artificial immunogens. Khaitov RM. **Biomed Sci** 1990 Feb;1(2):122–6 (15 ref.)

Quality assessment of DNA vaccines: hepatitis-B vaccine. Peetermans JH. **J Pharm Biomed Anal** 1989;7(2):227–32 (5 ref.)

CHEMISTRY

The conformational restriction of synthetic vaccines for malaria. Satterthwait AC, et al. **Bull World Health Organ** 1990;68 Suppl:17–25 (41 ref.)

GENETICS

Genetically engineered vaccines for control of Aujeszky's disease (pseudorabies). Kit S. **Vaccine** 1990 Oct;8(5):420–4 (23 ref.)

IMMUNOLOGY

Outer membrane protein PhoE as a carrier for the exposure of foreign antigenic determinants at the bacterial cell surface. Agterberg M, et al. **Antonie Van Leeuwenhoek** 1991 May;59(4):249–62 (70 ref.)

Recombinant vaccinia viruses as vectors for studying T lymphocyte specificity and function. Bennink JR, et al. **Curr Top Microbiol Immunol** 1990;163:153–84 (177 ref.)

The iscom: an immunostimulating system. Morein B. **Immunol Lett** 1990 Aug;25(1–3):281–3 (9 ref.)

Immunogenicity of low-dose intradermal recombinant DNA hepatitis B vaccine. Parish DC, et al. **South Med J** 1991 Apr;84(4):426–30 (37 ref.)

[Hepatitis B at an open institution for the mentally retarded. Immunogenic effect of a recombinant anti-hepatitis-B vaccine] García O, et al. **Enferm Infecc Microbiol Clin** 1990 Mar;8(3):148–52 (39 ref.) (Eng. Abstr.) **(Spa)**

[Vaccines in the biotechnologic era] Mazana J, et al. **Enferm Infecc Microbiol Clin** 1990 Jun–Jul;8(6):368–75 (56 ref.) **(Spa)**

ISOLATION & PURIFICATION

Peptide–MHC interaction: a rational approach to vaccine design. Romagnoli P, et al. **Int Rev Immunol** 1990; 6(1):61–73 (28 ref.)

PHARMACOLOGY

Development of artificial vaccines against HIV using defined epitopes. Berzofsky JA. **FASEB J** 1991 Jul;5(10):2412–8 (85 ref.)

THERAPEUTIC USE

Recombinant viruses as poultry vaccines. Silva RF, et al. **J Reprod Fertil Suppl** 1990;41:153–62 (41 ref.)

VACCINIA VIRUS

Vaccinia virus: a tool for research and vaccine development. Moss B. **Science** 1991 Jun 21;252(5013):1662–7 (102 ref.)

GENETICS

Cytoplasmic transcription system encoded by vaccinia virus. Moss B, et al. **J Biol Chem** 1991 Jan 25;266(3):1355–8 (86 ref.)

IMMUNOLOGY

Recombinant vaccinia viruses as vectors for studying T lymphocyte specificity and function. Bennink JR, et al. **Curr Top Microbiol Immunol** 1990;163:153–84 (177 ref.)

METABOLISM

Posttranslational modification of vaccinia virus proteins. VanSlyke JK, et al. **Curr Top Microbiol Immunol** 1990; 163:185–206 (82 ref.)

VACUOLATING AGENT see **SV40 VIRUS**

VACUOLES

PHYSIOLOGY

The fungal vacuole: composition, function, and biogenesis. Klionsky DJ, et al. **Microbiol Rev** 1990 Sep;54(3):266–92 (200 ref.)

VAGINA

[Transvaginal echography: a new acquisition] Jansen CA, et al. **Ned Tijdschr Geneeskd** 1990 Nov 3;134(44):2125–30 (28 ref.) **(Dut)**

[The reality and usefulness of Halban's fascia] Hoang NM, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1991;20(1):51–9 (10 ref.) (Eng. Abstr.) **(Fre)**

ABNORMALITIES

The treatment of vaginal atresia. Tolhurst DE, et al. **Surg Gynecol Obstet** 1991 May;172(5):407–14 (58 ref.)

Double uterus with an obstructed hemivagina and ipsilateral renal agenesis: report of 5 cases and a review of the literature. Lin CC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1991 Feb;90(2):195–201 (18 ref.)

Imaging of uterovaginal anomalies in the pediatric patient. Shatzkes DR, et al. **Urol Radiol** 1991;13(1):58–66 (18 ref.)

[Neonatal hydrocolpos with distal vaginal atresia. Apropos of 2 cases] Belghith M, et al. **Chir Pediatr** 1990;31(6):352–3 (13 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Women, HIV, and mucosal immunity [see comments] Forrest BD. **Lancet** 1991 Apr 6;337(8745):835–6 (24 ref.) Comment in: Lancet 1991 May 25;337(8752):1289.

INJURIES

[Accidental vaginal administration of colon contrast medium] Jaluvka V, et al. **Zentralbl Gynakol** 1991;113(2):115–8 (8 ref.) (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

From normal to abnormal, and back: gynaecological infections in an ecological perspective. van der Pas H. **Br J Clin Pract Symp Suppl** 1990 Sep;71:61–4 (7 ref.)

Emerging role of lactobacilli in the control and maintenance of the vaginal bacterial microflora. Redondo-Lopez V, et al. **Rev Infect Dis** 1990 Sep–Oct;12(5):856–72 (114 ref.)

[Bacterial vaginitis] Kira EF. **Akush Ginekol (Mosk)** 1990 Aug;(8):10–3 (44 ref.) **(Rus)**

PATHOLOGY

Angiosarcoma of the vagina. A light and electronmicroscopy study. Tohya T, et al. **Acta Obstet Gynecol Scand** 1991; 70(2):169–72 (21 ref.)

PHYSIOPATHOLOGY

An integral theory of female urinary incontinence. Experimental and clinical considerations. Petros PE, et al. **Acta Obstet Gynecol Scand Suppl** 1990;153:7–31 (46 ref.)

RADIOGRAPHY

Diagnostic imaging of the reproductive organs of the bitch. Methods and limitations. Rivers B, et al. **Vet Clin North Am Small Anim Pract** 1991 May; 21(3):437–66 (45 ref.)

SURGERY

Abdominal, vaginal, and laser surgery. Spangler DB. **Curr Opin Obstet Gynecol** 1990 Apr;2(2):280–6 (22 ref.)

Needle suspension procedures for urinary stress incontinence: a review and historical perspective. Cornella JL, et al. **Obstet Gynecol Surv** 1990 Dec;45(12):805–16 (27 ref.)

The treatment of vaginal atresia. Tolhurst DE, et al. **Surg Gynecol Obstet** 1991 May;172(5):407–14 (58 ref.)

[Vaginal and perineal reconstruction following excision for cancer. Apropos of 4 cases] Abbes M, et al. **Ann Chir Plast Esthet** 1991;36(1):54–60 (17 ref.) (Eng. Abstr.) **(Fre)**

[Cytological vaginal aspects in a patient in whom surgical creation of a neo-vagina was performed using the Bloch and Davidov method] Zarcone R, et al. **Minerva Ginecol** 1990 Nov;42(11):485–8 (12 ref.) (Eng. Abstr.) **(Ita)**

VAGINAL BIRTH AFTER CESAREAN

[Vaginal delivery after 2 and more cesarean sections] Katsulov A, et al. **Akush Ginekol (Sofiia)** 1990;29(4):16–9 (13 ref.) (Eng. Abstr.) **(Bul)**

VAGINAL DISEASES

CHEMICALLY INDUCED

Vaginal adenosis and clear cell carcinoma after 5-fluorouracil treatment for condylomas. Goodman A, et al. **Cancer** 1991 Oct 1;68(7):1628–32 (53 ref.)

DIAGNOSIS

Wet film examination. Weisberg E. **Aust Fam Physician** 1991 Mar;20(3):291–4 (0 ref.)

ETIOLOGY

Vaginal bleeding in childhood and adolescence. Muram D. **Obstet Gynecol Clin North Am** 1990 Jun;17(2):389–408 (50 ref.)

[Neonatal hydrocolpos with distal vaginal atresia. Apropos of 2 cases] Belghith M, et al. **Chir Pediatr** 1990;31(6):352–3 (13 ref.) (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

[Vaginitis and vaginosis] Cerza S, et al. **Minerva Ginecol** 1990 Sep;42(9):333–6 (17 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

Pathology of the fallopian tube and vagina. Parmley T. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):456–61 (38 ref.)

VAGINAL FISTULA

ETIOLOGY

A complex ileovaginal fistula with associated obstructive uropathy in a patient with Crohn's disease: technical considerations and review of the literature. Baird DR, et al. **South Med J** 1991 Mar;84(3):389–91 (13 ref.)

VAGINAL NEOPLASMS

Tubulo-villous adenoma of the female genital tract: a case report and review of literature. Mortensen BB, et al. **Acta Obstet Gynecol Scand** 1991;70(2):161–3 (9 ref.)

Vaginal malignancy. Benedet JL. **Curr Opin Obstet Gynecol** 1991 Feb;3(1):73–7 (11 ref.)

CHEMICALLY INDUCED

Vaginal adenosis and clear cell carcinoma after 5-fluorouracil treatment for condylomas. Goodman A, et al. **Cancer** 1991 Oct 1;68(7):1628–32 (53 ref.)

Clear cell adenocarcinoma of the vagina and cervix secondary to intrauterine exposure to diethylstilbestrol. Herbst AL, et al. **Semin Surg Oncol** 1990;6(6):343–6 (17 ref.)

COMPLICATIONS

[The management of pregnant women presenting with genital HPV infections] Audra P. **Rev Fr Gynecol Obstet** 1990 Oct;85(10):561–3 (9 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Adult embryonal rhabdomyosarcoma of the vagina complicating pregnancy: a case report and review of the literature. Singhal S, et al.
Asia Oceania J Obstet Gynaecol 1990 Dec;16(4):301–6 (25 ref.)
Vaginal adenosis and clear cell carcinoma after 5–fluorouracil treatment for condylomas. Goodman A, et al. **Cancer** 1991 Oct 1;68(7):1628–32 (53 ref.)

PATHOLOGY

Angiosarcoma of the vagina. A light and electronmicroscopy study. Tohya T, et al. **Acta Obstet Gynecol Scand** 1991; 70(2):169–72 (21 ref.)
Metastatic vaginal carcinoma to the temporal bone. Corey JP, et al. **Am J Otol** 1991 Mar;12(2):128–31 (20 ref.)
Pathology of the vagina. Wilkinson EJ.
Curr Opin Obstet Gynecol 1991 Aug;3(4):553–60 (10 ref.)
Management of the abnormal Pap smear. Gearhart JG, et al. **J Miss State Med Assoc** 1991 May;32(5):159–64 (9 ref.)
Post–hysterectomy extra–uterine endometrial stromal sarcoma: a case report. Kaseki H, et al.
Jpn J Clin Oncol 1990 Dec;20(4):413–9 (21 ref.)
[Malignant melanoma of the vulva and vagina (a report of 4 cases and review of the literature)] Chakalova G, et al. **Akush Ginekol (Sofiia)** 1990;29(6):30–3 (14 ref.) (Eng. Abstr.) **(Bul)**
[A case of neurofibroma of the vagina. Review of the literature] Iloki LH, et al.
J Gynecol Obstet Biol Reprod (Paris) 1991;20(4):507–10 (21 ref.) (Eng. Abstr.) **(Fre)**

SECONDARY

Vaginal metastasis as the first sign of renal cell carcinoma. A case report and review of the literature. Ovesen H, et al. **Scand J Urol Nephrol** 1990;24(3):237–8 (16 ref.)

SURGERY

[Use of the CO2 laser in the lower genital tract] Spuhler S, et al. **Arch Gynecol Obstet** 1990;247 Suppl:S44–55 (30 ref.) **(Fre)**

VETERINARY

Pathology of tumours in laboratory animals. Tumours of the rat. Tumours of the vagina, uterus and oviduct. Anisimov VN, et al. **IARC Sci Publ** 1990;(99):445–71 (75 ref.)
Clinical approach to vaginal/vestibular masses in the bitch. Manothaiudom K, et al.
Vet Clin North Am Small Anim Pract 1991 May; 21(3):509–21 (53 ref.)

VAGINAL PROLAPSE see **UTERINE PROLAPSE**

VAGINAL SMEARS

Prevalence of psammoma bodies in Papanicolaou–stained cervicovaginal smears. Kern SB. **Acta Cytol** 1991 Jan–Feb; 35(1):81–8 (23 ref.)
[The Pap test revisited] Broso P, et al. **Minerva Ginecol** 1991 Mar;43(3):71–85 (107 ref.) (Eng. Abstr.) **(Ita)**
[Comparison of cytology and ELISA in the research on cervical Chlamydia infection] Calzolari E, et al.
Minerva Ginecol 1991 May;43(5):227–31 (31 ref.) (Eng. Abstr.) **(Ita)**
[Assessment of the use of Pap test in a sample of pregnant women] Dindelli M, et al. **Minerva Ginecol** 1990 Jul–Aug; 42(7–8):305–8 (20 ref.) (Eng. Abstr.) **(Ita)**
[Cytological vaginal aspects in a patient in whom surgical creation of a neo–vagina was performed using the Bloch and Davidov method] Zarcone R, et al.
Minerva Ginecol 1990 Nov;42(11):485–8 (12 ref.) (Eng. Abstr.) **(Ita)**
[Cytological screening of precancer and cancer of the cervix uteri] Novik VI. **Vopr Onkol** 1990;36(12):1411–8 (59 ref.) **(Rus)**

CLASSIFICATION

Pap smears and screening for cervical neoplasia. Wilkinson EJ. **Clin Obstet Gynecol** 1990 Dec;33(4):817–25 (25 ref.)
The Bethesda system for the reporting of cervical/vaginal cytology. Oren A, et al. **J Am Osteopath Assoc** 1991 May; 91(5):476–9 (7 ref.)

METHODS

Wet film examination. Weisberg E. **Aust Fam Physician** 1991 Mar;20(3):291–4 (0 ref.)

STANDARDS

Management of the abnormal Pap smear. Gearhart JG, et al. **J Miss State Med Assoc** 1991 May;32(5):159–64 (9 ref.)

VAGINITIS

Sexually transmitted pelvic infections and vaginitis. McCune KK, et al. **Curr Opin Obstet Gynecol** 1989 Dec;1(2):205–11 (13 ref.)
Vaginitis in reproductive–age women. Thomason JL, et al. **Curr Opin Obstet Gynecol** 1989 Oct;1(1):35–41 (28 ref.)
Vaginal infections in adult women. Sobel JD.
Med Clin North Am 1990 Nov;74(6):1573–602 (152 ref.)
Vaginitis in adult women. Sobel JD.
Obstet Gynecol Clin North Am 1990 Dec;17(4):851–79 (154 ref.)

ETIOLOGY

From normal to abnormal, and back: gynaecological infections in an ecological perspective. van der Pas H.
Br J Clin Pract Symp Suppl 1990 Sep;71:61–4 (7 ref.)
[Bacterial vaginitis] Kira EF. **Akush Ginekol (Mosk)** 1990 Aug;(8):10–3 (44 ref.) **(Rus)**

MICROBIOLOGY

Bacterial vaginosis. Sobel JD.
Br J Clin Pract Symp Suppl 1990 Sep;71:65–9 (18 ref.)
Vaginitis. Systematically solving a bothersome problem. Foreman A, et al. **Postgrad Med** 1990 Oct;88(5):123–4, 129–33 (16 ref.)
[Vaginitis and vaginosis] Cerza S, et al. **Minerva Ginecol** 1990 Sep;42(9):333–6 (17 ref.) (Eng. Abstr.) **(Ita)**
[Tetridamine in the therapy of bacterial vaginosis] Pugliares S, et al. **Minerva Ginecol** 1991 May;43(5):245–51 (36 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

[The examination of vaginal discharge] Martsishevskaia RL, et al. **Lab Delo** 1990;(6):38–43 (6 ref.) (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Is there a role for lactobacilli in prevention of urogenital and intestinal infections? Reid G, et al.
Clin Microbiol Rev 1990 Oct;3(4):335–44 (133 ref.)

VAGOTOMY

[Disruption of gastric emptying after vagotomy and resection in the early postoperative period] Podil'chak MD, et al. **Vestn Khir** 1990 Dec;145(12):99–101 (29 ref.) **(Rus)**

VAGOTOMY, PARIETAL CELL see **VAGOTOMY, PROXIMAL GASTRIC**

VAGOTOMY, PROXIMAL GASTRIC

Parietal cell vagotomy and selective vagotomy plus antrectomy in the treatment of duodenal ulcer. A follow–up of 10 years. Zou ZS, et al. **Chin Med J (Engl)** 1991 Feb; 104(2):103–8 (15 ref.)
[Blood flow and the functional status of the mucosa before and after vagotomy] Kuzin NM, et al. **Vestn Khir** 1990 Jun;144(6):143–9 (28 ref.) **(Rus)**

ADVERSE EFFECTS

[Reinnervation of the stomach after vagotomy as a factor in ulcer recurrence] Filipovich NE, et al.
Khirurgiia (Mosk) 1990 Dec;(12):146–51 (88 ref.) **(Rus)**

METHODS

[Prevention of duodenal ulcer recurrence. A new prospect] Soulé JC. **Presse Med** 1991 Mar 16;20(10):465–70 (37 ref.) (Eng. Abstr.) **(Fre)**
[Vagotomy in the treatment of gastroduodenal ulcer] Maiat VS. **Klin Med (Mosk)** 1990 Aug;68(8):31–6 (62 ref.) **(Rus)**

VAGOTOMY, SELECTIVE PROXIMAL see **VAGOTOMY, PROXIMAL GASTRIC**

VAGOTOMY, TRUNCAL

[Surgical tactics in bleeding duodenal ulcers] Khachiev LG, et al. **Khirurgiia (Mosk)** 1990 Jul;(7):32–6 (50 ref.) (Eng. Abstr.) **(Rus)**

METHODS

[Vagotomy in the treatment of gastroduodenal ulcer] Maiat VS. **Klin Med (Mosk)** 1990 Aug;68(8):31–6 (62 ref.) **(Rus)**

VAGUS NERVE

[Neurofibroma originated from the intrathoracic vagal nerve in a patient with von Recklinghausen's disease—a case report] Matsukuma S, et al.
Nippon Kyobu Geka Gakkai Zasshi 1990 Jul;38(7):1188–91 (24 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Inferring vagal effects on the heart from changes in cardiac cycle length: implications for cycle time–dependency. Velden M, et al. **Int J Psychophysiol** 1990 Nov;10(1):85–93 (21 ref.)
Cholinergic regulation of the endocrine pancreas. Ahrén B, et al. **Prog Brain Res** 1990;84:209–18 (71 ref.)
[An analysis of the mechanisms accelerating the heart beat during stimulation of the vagus nerve] Smirnov VM.
Fiziol Zh SSSR 1990 Oct;76(10):1265–72 (51 ref.) **(Rus)**

PHYSIOPATHOLOGY

Anatomical, physiological, and theoretical basis for the antiepileptic effect of vagus nerve stimulation. Rutecki P.
Epilepsia 1990;31 Suppl 2:S1–6 (63 ref.)
Infectious mononucleosis with airway obstruction and multiple cranial nerve paresis. Maddern BR, et al.
Otolaryngol Head Neck Surg 1991 Apr;104(4):529–32 (22 ref.)
[Central nervous system regulation of the endocrine pancreas] Siegel EG. **Z Gastroenterol Verh** 1991 Mar; 26:244–7 (30 ref.) **(Ger)**
[Reinnervation of the stomach after vagotomy as a factor in ulcer recurrence] Filipovich NE, et al.
Khirurgiia (Mosk) 1990 Dec;(12):146–51 (88 ref.) **(Rus)**

RADIOGRAPHY

Vagal schwannoma. Heitmiller RF, et al.
Ann Thorac Surg 1990 Nov;50(5):811–3 (7 ref.)

VALIDITY OF RESULTS see **REPRODUCIBILITY OF RESULTS**

VALPROIC ACID

ADVERSE EFFECTS

Intraoperative defect in haemostasis in a child receiving valproic acid. Tetzlaff JE. **Can J Anaesth** 1991 Mar; 38(2):222–4 (24 ref.)
Carnitine, valproate, and toxicity [see comments] Coulter DL. **J Child Neurol** 1991 Jan;6(1):7–14 (55 ref.) Comment in: J Child Neurol 1991 Jan;6(1):3–6.
Valproate toxicity: risk–screening strategies [editorial; comment] Willmore LJ, et al. **J Child Neurol** 1991 Jan; 6(1):3–6 (47 ref.) Comment on: J Child Neurol 1991 Jan;6(1):7–14.
[Late diagnosis of congenital argininemia during administration of sodium valproate] Christmann D, et al. **Rev Neurol (Paris)** 1990;146(12):764–6 (20 ref.) (Eng. Abstr.) **(Fre)**
[Acute fatal liver insufficiency due to valproic acid therapy] Binek J, et al. **Schweiz Med Wochenschr** 1991 Feb 16; 121(7):228–33 (39 ref.) (Eng. Abstr.) **(Ger)**
[Reye's syndrome in children (review of the literature)] Badalian LO, et al. **Zh Nevropatol Psikhiatr** 1990; 90(8):109–13 (98 ref.) **(Rus)**

ANALOGS & DERIVATIVES

Clinical pharmacology of valpromide. Bialer M.
Clin Pharmacokinet 1991 Feb;20(2):114–22 (75 ref.)
Antiepileptic drugs for children: carbamazepine and valproic acid derivatives. Kiker M. **J Neurosci Nurs** 1991 Apr; 23(2):130–2 (9 ref.)

CONTRAINDICATIONS

Neurobehavioral effects of phenytoin, carbamazepine, and valproic acid: implications for use in traumatic brain injury. Massagli TL. **Arch Phys Med Rehabil** 1991 Mar; 72(3):219–26 (54 ref.)

THERAPEUTIC USE

The neuropharmacology of juvenile myoclonic epilepsy. Resor SR Jr, et al. **Clin Neuropharmacol** 1990 Dec; 13(6):465–91 (166 ref.)
The newer antiepileptic drugs: carbamazepine and valproic acid. Mikati M. **Pediatr Ann** 1991 Jan;20(1):34–40 (17 ref.)

TOXICITY

Developmental toxicity of valproic acid. Cotariu D, et al. **Life Sci** 1991;48(14):1341–50 (99 ref.)

VALSALVA'S MANEUVER

Scintigraphic demonstration of a soft tissue cavernous hemangioma with Valsalva maneuver. Veluvolu P, et al. **Clin Nucl Med** 1990 Dec;15(12):865–9 (10 ref.)

VAN BOGAERT'S LEUKOENCEPHALITIS see **SUBACUTE SCLEROSING PANENCEPHALITIS**

VANADATES

THERAPEUTIC USE

Insulin–mimetic effects of vanadate. Possible implications for future treatment of diabetes. Shechter Y. **Diabetes** 1990 Jan;39(1):1–5 (68 ref.)

TOXICITY

Multiple mechanisms of vanadate–induced cell killing. Richelmi P, et al. **Biol Trace Elem Res** 1989 Jul–Sep; 21:331–5 (15 ref.)

VANADIUM

PHARMACOLOGY

[Vanadium and diabetes] Cros G, et al.
Journ Annu Diabetol Hotel Dieu 1991;:193–201 (46 ref.) **(Fre)**

VANADYL see VANADATES

VANCOMYCIN

ADMINISTRATION & DOSAGE

An updated comparison of drug dosing methods. Part IV: Vancomycin. Pryka RD, et al. **Clin Pharmacokinet** 1991 Jun;20(6):463–76 (63 ref.)

ADVERSE EFFECTS

Anaphylactoid reactions to glycopeptide antibiotics. Polk RE. **J Antimicrob Chemother** 1991 Apr;27 Suppl B:17–29 (59 ref.)

[Evaluation of hematologic side effects of anti-infective therapy: agranulocytosis caused by beta-lactam antibiotics, vancomycin and amodiaquine] Eich G, et al. **Infection** 1991; 19 Suppl 1:S33–7 (26 ref.) (Eng. Abstr.) **(Ger)**

PHARMACOKINETICS

Comparative pharmacokinetics of glycopeptide antibiotics, and the influence of teicoplanin on granulocyte function. Lode H, et al. **Scand J Infect Dis Suppl** 1990;72:9–13 (7 ref.)

PHARMACOLOGY

Antibacterial activities and modes of action of vancomycin and related glycopeptides. Nagarajan R. **Antimicrob Agents Chemother** 1991 Apr;35(4):605–9 (40 ref.)

VANILMANDELIC ACID

URINE

Mass screening for neuroblastoma in Japan. Sawada T, et al. **Pediatr Hematol Oncol** 1991 Apr–Jun;8(2):93–109 (49 ref.)

VANYLGLYCOL see METHOXYHYDROXYPHENYLGLYCOL

VAPORIZATION, LASER see LASER SURGERY

VAPORIZERS see NEBULIZERS AND VAPORIZERS

VARIABLE REGION, IG see IMMUNOGLOBULIN VARIABLE REGION

VARIANT ANGINA PECTORIS see ANGINA PECTORIS, VARIANT

VARIANT SURFACE GLYCOPROTEINS, TRYPANOSOMA

GENETICS

Stage-specific mechanisms for activation and expression of variant surface glycoprotein genes in Trypanosoma brucei. Barry JD, et al. **Biochem Soc Trans** 1990 Oct;18(5):708–10 (35 ref.)

Control of antigenic variation in African trypanosomes. Van der Ploeg LH. **New Biol** 1991 Apr;3(4):324–30 (85 ref.)

[Antigenic variation of African trypanosomes] Pays E. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:5–10 (12 ref.) (Eng. Abstr.) **(Fre)**

VARIATION, ANTIGENIC see ANTIGENIC VARIATION

VARIATION (GENETICS)

Patterns of divergence in homologous proteins as indicators of secondary and tertiary structure: a prediction of the structure of the catalytic domain of protein kinases. Benner SA, et al. **Adv Enzyme Regul** 1991;31:121–81 (35 ref.)

Alternative splicing is an efficient mechanism for the generation of protein diversity: contractile protein genes as a model system. Nadal-Ginard B, et al. **Adv Enzyme Regul** 1991;31:261–86 (88 ref.)

Structural and functional diversities of a family of signal transducing protein kinases, protein kinase C family; two distinct classes of PKC, conventional cPKC and novel nPKC. Ohno S, et al. **Adv Enzyme Regul** 1991;31:287–303 (62 ref.)

Molecular basis of androgen regulation of male phenotypic variation. Catterall JF, et al. **Ann N Y Acad Sci** 1991; 626:92–100 (16 ref.)

Generation of diversity in retroviruses. Katz RA, et al. **Annu Rev Genet** 1990;24:409–45 (160 ref.)

Increased susceptibility of malaria-infected variant erythrocytes to the mononuclear phagocyte system [see comments] Yuthavong Y, et al. **Blood Cells** 1990; 16(2–3):591–7 (48 ref.) Comment in: Blood Cells 1990;16(2–3):598–601. Comment in: Blood Cells 1990;16(2–3):602–4.

The significance of biological heterogeneity. Rubin H. **Cancer Metastasis Rev** 1990 Jul;9(1):1–20 (91 ref.)

Genetic variability of a satellite sequence in the dipteran Musca domestica. Blanchetot A. **Experientia Suppl** 1991; 58:106–12 (9 ref.)

Oligonucleotide fingerprinting using simple repeat motifs: a convenient, ubiquitously applicable method to detect hypervariability for multiple purposes. Epplen JT, et al. **Experientia Suppl** 1991;58:50–69 (60 ref.)

On the origins of genetic variants. Wintersberger U. **FEBS Lett** 1991 Jul 22;285(2):160–4 (30 ref.)

Insights into X chromosome inactivation from studies of species variation, DNA methylation and replication, and vice versa. Migeon BR. **Genet Res** 1990 Oct–Dec; 56(2–3):91–8 (75 ref.)

Fluctuating asymmetry as a possible measure of developmental homeostasis in humans: a review. Livshits G, et al. **Hum Biol** 1991 Aug;63(4):441–66 (96 ref.)

Echinococcus and Giardia: variation on a theme. Thompson RC. **Int J Parasitol** 1991 Jun;21(3):291–7 (40 ref.)

Echinococcus: biology and strain variation. Thompson RC, et al. **Int J Parasitol** 1990 Jul;20(4):457–70 (75 ref.)

Heterogeneity of phenylketonuria at the clinical, protein and DNA levels. Cotton RG. **J Inherit Metab Dis** 1990; 13(5):739–50 (58 ref.)

The Pennsylvania State University College of Medicine 1990 Bernard B. Brodie Lecture. Pharmacogenetics: past and future. Kalow W. **Life Sci** 1990;47(16):1385–97 (77 ref.)

Deviations from the 'universal' genetic code. Caron F. **Microbiol Sci** 1986 Feb;3(2):36–40 (27 ref.)

[DNA diagnosis in veterinary medicine: I. DNA fingerprinting] Schelling CP, et al. **Schweiz Arch Tierheilkd** 1991;133(1):13–22 (80 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

Mechanisms for diversity in gene expression patterns. Struhl K. **Neuron** 1991 Aug;7(2):177–81 (33 ref.)

Genetic variation and the meiotic process. Dintzis RZ. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:39–46 (0 ref.)

Formal genetics in humans: mendelian and nonmendelian inheritance. Pyeritz RE. **Res Publ Assoc Res Nerv Ment Dis** 1991;69:47–73 (53 ref.)

Variants of mycosis fungoides and related cutaneous T-cell lymphomas. LeBoit PE. **Semin Diagn Pathol** 1991 May; 8(2):73–81 (34 ref.)

PHYSIOLOGY

[Variant forms of von Willebrand's disease] Papaian LP, et al. **Ter Arkh** 1990;62(7):86–92 (48 ref.) (Eng. Abstr.) **(Rus)**

VARICELLA see CHICKENPOX

VARICELLA-ZOSTER VIRUS

DRUG EFFECTS

[Results of virostatic treatment of varicella with various severity] Stary A. **Hautarzt** 1991 Feb;42(2):72–6 (32 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

Molecular biology of varicella zoster virus. Ostrove JM. **Adv Virus Res** 1990;38:45–98 (148 ref.)

Granulomatous vasculitis occurring after cutaneous herpes zoster despite absence of viral genome. Langenberg A, et al. **J Am Acad Dermatol** 1991 Mar;24(3):429–33 (22 ref.)

Varicella-zoster virus. The Fourteenth Fleming lecture. Davison AJ. **J Gen Virol** 1991 Mar;72 (Pt 3):475–86 (123 ref.)

IMMUNOLOGY

A live varicella vaccine. Takahashi M, et al. **Adv Exp Med Biol** 1990;278:49–58 (22 ref.)

Varicella vaccine: case studies. Takahashi M, et al. **Microbiol Sci** 1985 Aug;2(8):249–54 (25 ref.)

METABOLISM

Glycoproteins encoded by varicella-zoster virus: biosynthesis, phosphorylation, and intracellular trafficking. Grose C. **Annu Rev Microbiol** 1990;44:59–80 (42 ref.)

VARICES see VARICOSE VEINS

VARICOCELE

Varicocele in the adolescent. Steeno OP. **Adv Exp Med Biol** 1991;286:295–321 (120 ref.)

COMPLICATIONS

The pathophysiology of varicocele in male infertility. Takihara H, et al. **Fertil Steril** 1991 May;55(5):861–8 (35 ref.)

[Supernumerary testis and homolateral varicocele. Apropos of a case, study of spermatogenesis and review of the literature] Mianne D, et al. **J Urol (Paris)** 1990;96(3):177–80 (8 ref.) (Eng. Abstr.) **(Fre)**

[Varicocele and male sterility] Piacentino R, et al. **Minerva Ginecol** 1991 May;43(5):241–3 (28 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Scrotal thermography in varicocele. Comhaire F. **Adv Exp Med Biol** 1991;286:267–70 (12 ref.)

Varicoceles. Radiologic diagnosis and treatment. Demas BE, et al. **Radiol Clin North Am** 1991 May;29(3):619–27 (48 ref.)

ETIOLOGY

The pathogenesis of epididymo-testicular dysfunction in varicocele: factors other than temperature. Comhaire F. **Adv Exp Med Biol** 1991;286:281–7 (38 ref.)

PHYSIOPATHOLOGY

The physiology of testicular thermoregulation in the light of new anatomical and pathological aspects. Shafik A. **Adv Exp Med Biol** 1991;286:153–72 (22 ref.)

SURGERY

[Varicocele in childhood and adolescence. Evaluation apropos of a series of 58 cases] Peyret C, et al. **Ann Urol (Paris)** 1990;24(4):301–5 (14 ref.) (Eng. Abstr.) **(Fre)**

[Microsurgical treatment of varicocele in childhood] Alonso S, et al. **Cir Pediatr** 1988 Oct;1(4):172–6 (23 ref.) (Eng. Abstr.) **(Spa)**

VARICOSE ULCER

DRUG THERAPY

Drug treatment of chronic venous insufficiency and venous ulceration: a review. Cheatle TR, et al. **J R Soc Med** 1991 Jun;84(6):354–8 (59 ref.)

SURGERY

Repair and replacement of deep vein valves in the treatment of venous insufficiency. Wilson NM, et al. **Br J Surg** 1991 Apr;78(4):388–94 (89 ref.)

THERAPY

Venous ulcers: pathophysiology and medical therapy. Mulder GD, et al. **Am Fam Physician** 1990 Nov;42(5):1323–30 (33 ref.)

VARICOSE VEINS

see related
SCLEROSING SOLUTIONS
SCLEROTHERAPY

Duodenal varicose veins. Linder S, et al. **Surg Endosc** 1991; 5(1):31–5 (35 ref.)

COMPLICATIONS

[Canyon-varices. Consequence and cause of sclerous cellulitis and their treatment] Tessari L. **Phlebologie** 1990 Jul–Oct;43(3):501–6 (23 ref.) (Eng. Abstr.) **(Fre)**

[Peri-colostomy hemorrhage due to portal hypertension secondary to hepatic metastasis of a rectal adenocarcinoma. Apropos of a case report. Literature review] Elcheroth J, et al. **Rev Med Brux** 1990 Sep;11(7):261–4 (19 ref.) (Eng. Abstr.) **(Fre)**

EPIDEMIOLOGY

[Varicose veins and chronic venous insufficiency--minor disorder or disease? A critical review of the literature] Madar G, et al. **Z Lymphol** 1990 Aug;14(1):36–46 (93 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

The roles of turbulence and vasa vasorum in the aetiology of varicose veins. Crotty TP. **Med Hypotheses** 1991 Jan; 34(1):41–8 (24 ref.)

Varicose veins: a reappraisal from a global perspective. Geelhoed GW, et al. **South Med J** 1991 Sep;84(9):1131–4 (23 ref.)

[Superior petrosal sinus dural arteriovenous malformation with varix indenting brain stem--report of a case and review of the literature] Nishino A, et al. **No To Shinkei** 1991 Jan;43(1):62–9 (25 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

[Restorative-reconstructive surgery of the valve system of deep veins of the lower extremities] Sukovatykh BS, et al. **Vestn Khir** 1991 Jan;146(1):136–40 (31 ref.) **(Rus)**

THERAPY

[Sclerotization as a proven method of treatment for varices] Horáková-Nedvídková M. **Vnitr Lek** 1991 Feb; 37(2):178–85 (30 ref.) (Eng. Abstr.) **(Cze)**

[Necessity of reconciling the objectives of the treatment of varices and arterial surgery. Practical consequences] Mellière D, et al. **J Mal Vasc** 1991;16(2):171–8 (25 ref.) (Eng. Abstr.) **(Fre)**

[Iatrogenic damage in sclerotherapy of varicose veins] Hohlbaum GG. **Z Lymphol** 1990 Aug;14(1):32–5 (0 ref.) **(Ger)**

[Duodenal varices treated successfully by percutaneous transhepatic obliteration: report of a case] Ohta T, et al. **Hokkaido Igaku Zasshi** 1991 Jan;66(1):79–85 (27 ref.) (Eng. Abstr.) **(Jpn)**

VARNISH see **PAINT**

VARNISH, CAVITY see **DENTAL CAVITY LINING**

VASA VASORUM

PHYSIOPATHOLOGY

The roles of turbulence and vasa vasorum in the aetiology of varicose veins. Crotty TP. **Med Hypotheses** 1991 Jan; 34(1):41–8 (24 ref.)

VASCULAR ACCESS PORTS see **CATHETERS, INDWELLING**

VASCULAR-ASSIST DEVICES see **HEART-ASSIST DEVICES**

VASCULAR DEMENTIA see **DEMENTIA, VASCULAR**

VASCULAR DISEASES

Pulmonary artery sarcoma: another cause of sudden death. Varriale P, et al. **Clin Cardiol** 1991 Feb;14(2):160–4 (51 ref.)

Neurovascular injuries in the hands of athletes. Aulicino PL. **Hand Clin** 1990 Aug;6(3):455–66 (75 ref.)

Evaluation and management of patients with both peripheral vascular and coronary artery disease. Gersh BJ, et al. **J Am Coll Cardiol** 1991 Jul;18(1):203–14 (126 ref.)

Angiodysplasia: characterization, diagnosis, and advances in treatment. Helmrich GA, et al. **South Med J** 1990 Dec; 83(12):1450–3 (25 ref.)

[Uretero-iliac fistula: presentation of a case and review of the literature] Isa Kroon WA, et al. **Actas Urol Esp** 1991 Jan–Feb;15(1):66–8 (18 ref.) (Eng. Abstr.) **(Spa)**

BLOOD

Immunological detection of activated platelets in clinical disorders. Abrams C, et al. **Thromb Haemost** 1991 May 6;65(5):467–73 (80 ref.)

CHEMICALLY INDUCED

The relationship between oral contraceptive use, cancer and vascular disease. La Vecchia C, et al. **Drug Saf** 1990 Nov–Dec;5(6):436–46 (77 ref.)

COMPLICATIONS

Disease mechanisms in venous ulceration. Sarin S, et al. **Br J Hosp Med** 1991 May;45(5):303–5 (20 ref.)

The spasm of resistance vessel concept of ischemic heart disease and other ischemic diseases. Hellstrom HR. **Med Hypotheses** 1990 Sep;33(1):31–41 (88 ref.)

[Livedo reticularis. Review of the literature] Pibouin M, et al. **Ann Dermatol Venereol** 1990;117(8):557–68 (166 ref.) **(Fre)**

[Pseudo-Kaposi syndromes of vascular origin] Lemarchand-Venencie F, et al. **J Mal Vasc** 1991; 16(2):153–7 (15 ref.) (Eng. Abstr.) **(Fre)**

[Cockett's syndrome and retro-iliac ureter. A previously unknown and original association apropos of a case and review of the literature] Morlier D, et al. **J Urol (Paris)** 1990;96(4):223–6 (31 ref.) (Eng. Abstr.) **(Fre)**

[Non-cirrhotic portal hypertension] Kreisel W, et al. **Z Gastroenterol** 1990 Oct;28(10):578–83 (54 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Imaging of vascular complications associated with renal transplants. Dodd GD 3d, et al. **AJR Am J Roentgenol** 1991 Sep;157(3):449–59 (52 ref.)

Practical aspects of vascular imaging using MRI. Spritzer CE, et al. **Crit Rev Diagn Imaging** 1990;31(2):145–85 (105 ref.)

New concepts in the field of vascular disorders of the skin. Picó MR, et al. **P R Health Sci J** 1991 Apr;10(1):25–32 (71 ref.)

[Capillaroscopic observation in angiologic diagnosis] Marinel-lo J, et al. **Angiologia** 1990 Jul–Aug;42(4):138–47 (34 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Serotonergic antagonists and vascular disease. Vanhoutte PM. **Cardiovasc Drugs Ther** 1990 Jan;4 Suppl 1:7–12 (24 ref.)

Ketanserin. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic potential in hypertension and peripheral vascular disease. Brogden RN, et al. **Drugs** 1990 Dec;40(6):903–49 (344 ref.)

Practicalities of lipids: ICU patient, autoimmune disease, and vascular disease. Sax HC. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):223S–225S (29 ref.)

New pharmacological strategies in vascular diseases: a novel intracellular calcium antagonist, HA1077 (AT-877) and cerebral vasospasm. Asano T, et al. **Methods Find Exp Clin Pharmacol** 1990 Jul–Aug; 12(6):443–8 (11 ref.)

EPIDEMIOLOGY

Hypertension and vascular disease in India and migrant Indian populations in the world. Seedat YK. **J Hum Hypertens** 1990 Aug;4(4):421–4 (21 ref.)

ETIOLOGY

Vascular occlusion in sickle cell disease: current concepts and unanswered questions. Francis RB Jr, et al. **Blood** 1991 Apr 1;77(7):1405–14 (157 ref.)

Platelets, coagulation, and fibrinolysis in sickle cell disease: their possible role in vascular occlusion. Francis RB Jr. **Blood Coagul Fibrinolysis** 1991 Apr;2(2):341–53 (106 ref.)

Hypertension and vascular disease in the 1990s. Gorlin R. **Clin Cardiol** 1991 Aug;14(8 Suppl 4):IV1–5; discussion IV51–5 (12 ref.)

Sickle cell vaso-occlusion. Fabry ME, et al. **Hematol Oncol Clin North Am** 1991 Jun;5(3):375–98 (92 ref.)

Large-vessel occlusion in sickle cell disease: pathogenesis, clinical consequences, and therapeutic implications. Francis RB. **Med Hypotheses** 1991 Jun;35(2):88–95 (78 ref.)

What causes spasm of atherosclerotic arteries? Is regression of plaques beneficial? Heistad DD, et al. **Trans Am Clin Climatol Assoc** 1989;101:103–10; discussion 110–3 (27 ref.)

[Leukocytes and vascular lesions] Wautier JL. **Ann Cardiol Angeiol (Paris)** 1991 Mar;40(3):147–51 (26 ref.) (Eng. Abstr.) **(Fre)**

[Endothoracic vascular involvement in Behçet's disease] Benzarti M, et al. **Rev Pneumol Clin** 1990;46(4):178–82 (39 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Megakaryocytes and thrombopoiesis in vascular disease. Martin JF. **Prog Clin Biol Res** 1990;356:319–31 (26 ref.)

PHYSIOPATHOLOGY

Serotonin and vascular disease: a survey. Robertson JI. **Cardiovasc Drugs Ther** 1990 Jan;4 Suppl 1:137–40 (27 ref.)

[Clinical and therapeutic concepts in ischemic femur head necrosis] Solomon L. **Orthopade** 1990 Aug;19(4):200–7 (28 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Serotonin antagonists and vascular protection. Doyle AE. **Cardiovasc Drugs Ther** 1990 Jan;4 Suppl 1:13–8 (15 ref.)

Management of vascular risk factors in the hypertensive patient. Taylor SH. **J Hum Hypertens** 1990 Oct;4 Suppl 3:10–6 (13 ref.)

Long-term antiplatelet therapy for the prevention of vascular disease. MacMahon S, et al. **Med J Aust** 1991 Apr 1; 154(7):477–80 (12 ref.)

Serotonin, hypertension and vascular disease. Vanhoutte PM. **Neth J Med** 1991 Feb;38(1-2):35–42 (46 ref.)

RADIOGRAPHY

[Intra-arterial digital angiography using a trans-humeral approach in the assessment of ambulatory patients] Florio F, et al. **Radiol Med (Torino)** 1990 Jul–Aug;80(1–2):63–8 (17 ref.) (Eng. Abstr.) **(Ita)**

REHABILITATION

Exercise testing and training in patients with peripheral vascular disease and lower extremity amputation. Priebe M, et al. **West J Med** 1991 May;154(5):598–601 (22 ref.)

SURGERY

Selection of level for lower limb amputation in patients with severe peripheral vascular disease. Clyne CA. **Ann R Coll Surg Engl** 1991 May;73(3):148–51 (27 ref.)

[Extra-cardiac risk factors in heart surgery—the vascular system] Dalichau H. **Z Kardiol** 1990;79 Suppl 4:23–9 (9 ref.) (Eng. Abstr.) **(Ger)**

[Use of laser welded suture on the blood vessels and in surgery of the gastrointestinal tract] Gondzhilashvili VG, et al. **Khirurgiia (Mosk)** 1991 Mar;(3):141–5 (66 ref.) **(Rus)**

ULTRASONOGRAPHY

Assessment of vascular disease by intravascular ultrasound. Nissen SE, et al. **Cardiology** 1990;77(5):398–410 (18 ref.)

[Color-coded blood flow imaging in abdominal vessels] Gebel M. **Bildgebung** 1990;57(3–4):56–63 (34 ref.) (Eng. Abstr.) **(Ger)**

[Color Doppler angiography—technical principles from the clinical viewpoint, limits and possibilities] Mörz R. **Vasa Suppl** 1990;30:37–40 (7 ref.) **(Ger)**

[Integrated Doppler ultrasonography of the abdomen in diagnostic imaging] De Gaetano AM, et al. **Radiol Med (Torino)** 1991 Jul–Aug;82(1–2):118–31 (73 ref.) **(Ita)**

VASCULAR ENDOTHELIUM see **ENDOTHELIUM, VASCULAR**

VASCULAR GRAFT OCCLUSION see **GRAFT OCCLUSION, VASCULAR**

VASCULAR HEADACHE

PHYSIOPATHOLOGY

The visceral organ brain: implications for the pathophysiology of vascular head pain. Moskowitz MA. **Neurology** 1991 Feb;41(2 (Pt 1)):182–6 (59 ref.)

VASCULAR PATENCY

see related
GRAFT OCCLUSION, VASCULAR

Quantitative coronary angiography to measure progression and regression of coronary atherosclerosis. Value, limitations, and implications for clinical trials. de Feyter PJ, et al. **Circulation** 1991 Jul;84(1):412–23 (84 ref.)

Pivotal role of early and sustained infarct vessel patency in patients with acute myocardial infarction. Topol EJ, et al. **Heart Lung** 1990 Nov;19(6):583–93 (84 ref.)

A comparative review of in situ versus reversed vein grafts in the 1980s. Calligaro KD, et al. **Surg Gynecol Obstet** 1991 Mar;172(3):247–52 (64 ref.)

VASCULAR PROSTHESIS see **BLOOD VESSEL PROSTHESIS**

VASCULAR RESISTANCE

In vitro methodology for resistance arteries. Halpern W, et al. **Blood Vessels** 1991;28(1–3):245–51 (17 ref.)

Disease mechanisms in venous ulceration. Sarin S, et al. **Br J Hosp Med** 1991 May;45(5):303–5 (20 ref.)

Pressure and flow-dependent vascular tone. Bevan JA, et al. **FASEB J** 1991 Jun;5(9):2267–73 (79 ref.)

DRUG EFFECTS

Drug-induced modification of vascular structure: effects of antihypertensive drugs. Schachter M. **Am Heart J** 1991 Jul;122(1 (Pt 2)):316–23 (76 ref.)

Resistance vessel structure: effects of treatment. Mulvany MJ. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S58–63 (38 ref.)

[The problems of the experimental and clinical pharmacology of vein-tonicizing agents] Shashkov VS, et al. **Farmakol Toksikol** 1990 Jul–Aug;53(4):9–13 (36 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Endothelial modulation of vascular tone: relevance to coronary angioplasty and restenosis. Harrison DG. **J Am Coll Cardiol** 1991 May;17(6 Suppl B):71B–76B (49 ref.)

Structure and function of small arteries in hypertension. Mulvany MJ. **J Hypertens Suppl** 1990 Dec;8(7):S225–32 (60 ref.)

Hypertension and the arterial system: clinical and therapeutic aspects. Safar ME, et al. **J Hypertens Suppl** 1990 Dec; 8(7):S113–9 (58 ref.)

Franz Volhard lecture. Increased systemic vascular resistance and primary hypertension: the expanding complexity. Shepherd JT. **J Hypertens Suppl** 1990 Dec;8(7):S15–27 (145 ref.)

Endothelium-derived vasoactive substances in fetal placental vessels. Chaudhuri G, et al. **Semin Perinatol** 1991 Feb; 15(1):63–7 (36 ref.)

[The significance of biologically active substances in regulating local vascular tonus] Iordanov Iu. **Eksp Med Morfol** 1991;30(1):45–50 (21 ref.) **(Bul)**

[Pathophysiologic principles of cor pulmonale] Seeger W, et al. **Verh Dtsch Ges Inn Med** 1990;96:397–413 (49 ref.) **(Ger)**

[The role of dynamic deformation of blood vessels in the regulation of their tone] Dvoretskiĭ DP. **Fiziol Zh SSSR** 1990 Aug;76(8):961–76 (44 ref.) **(Rus)**

VASCULAR SURGERY

Advances in vascular surgery. Wang ZG. **Chin Med J [Engl]** 1990 Jul;103(7):532–5 (34 ref.)

What is the role of oral anticoagulants and platelet inhibitors in peripheral vascular surgery? Van Urk H, et al. **Eur J Vasc Surg** 1990 Dec;4(6):553–5 (10 ref.)

Biochemical mechanisms of laser vascular tissue fusion. Guthrie CR, et al. **J Invest Surg** 1991;4(1):3–12 (15 ref.)

Randomized clinical trials: what can we expect? Hobson RW 2d. **J Vasc Surg** 1991 Apr;13(4):539–43 (26 ref.)

Randomized clinical trials: enough bang for the buck? Strandness DE Jr. **J Vasc Surg** 1991 Apr;13(4):544–8 (11 ref.)

Anesthesia in special situations—vascular disease. Dobbinson TL. **Middle East J Anesthesiol** 1990 Oct;10(6):595–606 (48 ref.)

Thrombolysis in arterial bypass grafts. Van Breda A. **Semin Thromb Hemost** 1991 Jan;17(1):7–13 (65 ref.)

An overview of intimal hyperplasia. Chervu A, et al. **Surg Gynecol Obstet** 1990 Nov;171(5):433–47 (197 ref.)

[Indications for revascularization procedures in patients with intermittent claudication] Deriu GP, et al. **Minerva Cardioangiol** 1990 Jun;38(6):245–70 (49 ref.) (Eng. Abstr.) **(Ita)**

METHODS

Surgical management of acute lower limb ischaemia. Beard JD, et al. **Br J Hosp Med** 1991 Jun;45(6):355–9 (18 ref.)
New uses of the laser in thoracic and cardiovascular surgery. Michaelis LL, et al. **Jpn J Surg** 1990 Nov;20(6):620–6 (35 ref.)
[Current viewpoints concerning the surgical treatment of aortic coarctation in infants and children] van Son JA, et al. **Ned Tijdschr Geneeskd** 1990 Sep 1;134(35):1682–8 (62 ref.) **(Dut)**

STANDARDS

Outcome in vascular surgery. Takolander R.
Qual Assur Health Care 1990;2(3–4):279–95 (173 ref.)

VASCULITIS

Vasculitis as a paraneoplastic syndrome. Report of 11 cases and review of the literature. Sánchez-Guerrero J, et al. **J Rheumatol** 1990 Nov;17(11):1458–62 (34 ref.)
Paraneoplastic vasculitic neuropathy: a treatable neuropathy. Oh SJ, et al. **Muscle Nerve** 1991 Feb;14(2):152–6 (6 ref.)
[Necrotic atheromatous angiodermatitis of the legs] Zukervar P, et al. **Phlebologie** 1990 Jul–Oct;43(3):469–72; discussion 472–5 (7 ref.) **(Fre)**

CHEMICALLY INDUCED

Drug-induced vasculitides. Dubost JJ, et al.
Baillieres Clin Rheumatol 1991 Apr;5(1):119–38 (130 ref.)

CLASSIFICATION

Kawasaki disease and vasculopathies. Cuttica RJ.
Curr Opin Rheumatol 1990 Oct;2(5):809–16 (29 ref.)
[The classification of systemic vasculitis. Pathogenetic aspects—perspectives] Guillevin L. **Phlebologie** 1990 Jul–Oct;43(3):451–62; discussion 463–4 (26 ref.) **(Fre)**
[Pulmonary vasculitis] Kamel A, et al. **Tunis Med** 1990 Oct; 68(10):575–80 (29 ref.) **(Fre)**
[Current knowledge of cutaneous vasculitis] Ivanov OL, et al. **Klin Med (Mosk)** 1991 Jan;69(1):32–7 (49 ref.) **(Rus)**
[Multifactorial classification of vasculitis. A critical review] Moleres Ferrandis R. **An Med Interna** 1990 Feb;7(2):100–4 (17 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Infectious complications in the management of systemic vasculitis and rapidly progressive glomerulonephritis. Neild GH. **APMIS Suppl** 1990;19:56–60 (26 ref.)
Ovarian necrotizing vasculitis causing major intra-abdominal haemorrhage after IVF. Case report and literature review. Ilbery M, et al. **Br J Obstet Gynaecol** 1991 Jun;98(6):596–9 (17 ref.)
Vasculitic syndromes associated with other rheumatic conditions and unclassified systemic vasculitis. Bacon PA. **Curr Opin Rheumatol** 1991 Feb;3(1):56–61 (29 ref.)
Vasculitic syndromes associated with other rheumatic conditions and unclassified systemic vasculitis. Bacon PA. **Curr Opin Rheumatol** 1990 Feb;2(1):87–92 (24 ref.)
Large vessel vasculitis of the central nervous system in systemic lupus erythematosus: report and review of the literature. Weiner DK, et al. **J Rheumatol** 1991 May; 18(5):748–51 (15 ref.)
Rapidly progressive glomerulonephritis and systemic vasculitis in non-Hodgkin lymphoma. Poch E, et al.
Nephrol Dial Transplant 1991;6(1):51–4 (20 ref.)
Vasculitis and infection with the human immunodeficiency virus. Calabrese LH. **Rheum Dis Clin North Am** 1991 Feb; 17(1):131–47 (53 ref.)
[Leukocytoclastic vasculitis and malignant hematologic diseases. (12 cases)] Beylot J, et al. **Rev Med Interne** 1989 Nov–Dec;10(6):509–14 (28 ref.) (Eng. Abstr.) **(Fre)**
[Current aspects in medicine of the locomotor system. Urticarial vasculitis: apropos of a case] Wang F, et al.
Rev Med Liege 1991 Jun;46(6):336–42 (24 ref.) **(Fre)**

DIAGNOSIS

Wegener's granulomatosis, systemic vasculitis, and antineutrophil cytoplasmic autoantibodies. Falk RJ, et al.
Annu Rev Med 1991;42:459–69 (41 ref.)
Retinal vasculitis—a primer. Rosenbaum JT, et al.
West J Med 1991 Feb;154(2):182–5 (31 ref.)
[Unexplained fever or inflammatory syndrome. Diagnostic value of liver puncture-biopsy] Henrion J, et al.
Presse Med 1991 Mar 16;20(10):461–4 (22 ref.) (Eng. Abstr.) **(Fre)**
[Magnetic resonance imaging and Cogan's syndrome] Calopa M, et al. **Rev Neurol (Paris)** 1991;147(2):161–3 (12 ref.) (Eng. Abstr.) **(Fre)**

ETIOLOGY

Pathogenesis and therapy of nervous system vasculitis. Kissel JT, et al. **Clin Neuropharmacol** 1991 Feb;14(1):28–48 (102 ref.)
Fibronectin–staphylococcal interactions in endovascular infections. Proctor RA. **Int J Med Microbiol** 1990 Dec; 274(3):342–9 (48 ref.)
Systemic associations of retinal vasculitis. Stanford MR, et al. **Int Ophthalmol Clin** 1991 Summer;31(3):23–33 (20 ref.)
Granulomatous vasculitis occurring after cutaneous herpes zoster despite absence of viral genome. Langenberg A, et al. **J Am Acad Dermatol** 1991 Mar;24(3):429–33 (22 ref.)
[Vasculitis in human immunodeficiency virus infection. Review of the literature] Cohen P, et al.
Ann Med Interne (Paris) 1991;142(1):53–62 (74 ref.) **(Fre)**
[Periarteritis nodosa–type vasculitis and infection with human immunodeficiency virus] Conri C, et al.
Rev Med Interne 1991 Jan–Feb;12(1):47–51 (27 ref.) (Eng. Abstr.) **(Fre)**
[Nephropathy in rheumatoid arthritis] Onetti Muda A, et al.
Pathologica 1990 Nov–Dec;82(1082):617–26 (45 ref.) (Eng. Abstr.) **(Ita)**
[The role of endothelial cells in inflammation and immunity] Niculescu F, et al. **Rev Ig [Bacteriol]** 1990 Apr–Jun; 35(2):97–112 (59 ref.) **(Rum)**
[Current problems in the pathogenesis of vasculitis in rheumatic diseases] Poltyrev AS. **Ter Arkh** 1990; 62(9):147–51 (101 ref.) **(Rus)**

IMMUNOLOGY

The pathogenic role of antineutrophil cytoplasmic autoantibodies. Ewert BH, et al. **Am J Kidney Dis** 1991 Aug;18(2):188–95 (41 ref.)
IgD immune complex vasculitis in a patient with hyperimmunoglobulinemia D and periodic fever. Boom BW, et al. **Arch Dermatol** 1990 Dec;126(12):1621–4 (23 ref.)
Autoimmunity to lysosomal enzymes: new clues to vasculitis and glomerulonephritis? Kallenberg CG, et al.
Immunol Today 1991 Feb;12(2):61–4 (42 ref.)
Renal disease and vasculitis. Cameron JS. **Pediatr Nephrol** 1988 Oct;2(4):490–7 (63 ref.)
[Antineutrophil cytoplasma antibodies (ANCA): clinical indications and experience with these new autoantibodies] Stupp R, et al. **Schweiz Med Wochenschr** 1991 Jul 9; 121(27–28):1001–7 (55 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Histopathological differentiation of systemic necrotizing vasculitides. Waldherr R, et al. **APMIS Suppl** 1990;19:17–8 (2 ref.)
Cutaneous vasculitis, hypersensitivity vasculitis, erythema nodosum, and pyoderma gangrenosum. Calabrese LH.
Curr Opin Rheumatol 1991 Feb;3(1):23–7 (18 ref.)
Cutaneous vasculitis, hypersensitivity vasculitis, erythema nodosum, and pyoderma gangrenosum. Calabrese LH.
Curr Opin Rheumatol 1990 Feb;2(1):66–9 (10 ref.)
Angiitis of the central nervous system. Lie JT.
Curr Opin Rheumatol 1991 Feb;3(1):36–45 (74 ref.)
Follicular accentuation of leukocytoclastic vasculitis in an HIV-seropositive man. Report of a case and review of the literature. Weimer CE Jr, et al. **J Am Acad Dermatol** 1991 May;24(5 Pt 2):898–902 (37 ref.)
Polymyalgia rheumatica/giant cell arteritis and other vasculitides. Michet CJ. **Rheum Dis Clin North Am** 1990 Aug;16(3):667–80 (80 ref.)

PHYSIOPATHOLOGY

Overview on systemic vasculitides other than Wegener's granulomatosis. Mathiesson PW. **APMIS Suppl** 1990; 19:21–2 (0 ref.)
Possible pathogenetic implications of ANCA in vasculitic syndromes. van der Woude FJ. **APMIS Suppl** 1990; 19:29–30 (14 ref.)

RADIOGRAPHY

Pulmonary angiitis and granulomatosis. Staples CA.
Radiol Clin North Am 1991 Sep;29(5):973–82 (26 ref.)

THERAPY

Therapeutic modalities in patients with generalized Wegener's granulomatosis (WG) and related diseases. Andrassy K. **APMIS Suppl** 1990;19:47 (2 ref.)

VASCULITIS, ALLERGIC CUTANEOUS

Vasculitis. Lawley TJ, et al. **Dermatol Clin** 1990 Oct; 8(4):681–7 (24 ref.)
Human hypersensitivity angiitis. Sams WM Jr.
Immunol Ser 1989;46:585–604 (30 ref.)

IMMUNOLOGY

Immunologic aspects of cutaneous vasculitis. Sams WM Jr.
Semin Dermatol 1988 Jun;7(2):140–8 (16 ref.)

PATHOLOGY

Cutaneous vasculitis, hypersensitivity vasculitis, erythema nodosum, and pyoderma gangrenosum. Calabrese LH.
Curr Opin Rheumatol 1991 Feb;3(1):23–7 (18 ref.)
Cutaneous vasculitis, hypersensitivity vasculitis, erythema nodosum, and pyoderma gangrenosum. Calabrese LH.
Curr Opin Rheumatol 1990 Feb;2(1):66–9 (10 ref.)

VASCULITIS, CHURG-STRAUSS see **CHURG-STRAUSS SYNDROME**

VASCULITIS, HEMORRHAGIC see **PURPURA, SCHOENLEIN-HENOCH**

VASECTOMY

Vasectomy in review [see comments] Errey B.
Aust Fam Physician 1990 Jun;19(6):841, 844, 847 passim (15 ref.) Comment in: Aust Fam Physician 1990 Oct;19(10):1605–6.

ADVERSE EFFECTS

Role of circulating immune complexes and platelet aggregation in the development of experimentally induced atherosclerosis in monkeys with normal intact vas deferens and following vasectomy. Sharda N, et al.
Indian Heart J 1991 Jan–Feb;43(1):35–8 (29 ref.)
Does vasectomy have long-term effects on somatic and psychological health status? Thonneau P, et al.
Int J Androl 1990 Dec;13(6):419–32 (71 ref.)

VASOACTIVE AGONISTS see **VASOCONSTRICTOR AGENTS**

VASOACTIVE ANTAGONISTS see **VASODILATOR AGENTS**

VASOACTIVE INTESTINAL PEPTIDE

PHYSIOLOGY

VIP as a modulator of lung inflammation and airway constriction. Said SI. **Am Rev Respir Dis** 1991 Mar;143(3 Pt 2):S22–4 (50 ref.)
Vasoactive intestinal peptide in the hypothalamus and pituitary. Lam KS. **Neuroendocrinology** 1991;53 Suppl 1:45–51 (68 ref.)
AIDS as a neuropeptide disorder: peptide T, VIP, and the HIV receptor. Pert CB, et al. **Psychopharmacol Bull** 1988; 24(3):315–9 (28 ref.)

SECRETION

VIP secreting tumours in infancy. A review of radiological appearances. Davies RP, et al. **Pediatr Radiol** 1990; 20(7):504–8 (21 ref.)

VASOCONSTRICTION

Control of the renal microvasculature by vasoactive peptides. Carmines PK, et al. **FASEB J** 1990 Dec;4(15):3300–9 (81 ref.)

DRUG EFFECTS

Cellular mechanism of vasoconstriction induced by endothelin. Masaki T, et al.
Adv Second Messenger Phosphoprotein Res 1990;24:425–8 (21 ref.)
Endothelins [editorial] **Lancet** 1991 Jan 12;337(8733):79–81 (32 ref.)
Vascular activities of the endothelins. Randall MD.
Pharmacol Ther 1991;50(1):73–93 (148 ref.)

PHYSIOLOGY

Mechanisms of vasoconstriction. Frelin C. **Am Heart J** 1991 Mar;121(3 (Pt 1)):958–60 (35 ref.)
The cellular basis of contraction and relaxation in cardiac and vascular smooth muscle. Morgan JP, et al.
Am Heart J 1991 Mar;121(3 (Pt 1)):961–8 (37 ref.)
The role of calcium in the control of vascular tone as assessed by the Ca2+ indicator aequorin. Morgan KG.
Cardiovasc Drugs Ther 1990 Oct;4(5):1355–62 (23 ref.)
Roles of P2-purinoceptors in the cardiovascular system. Ralevic V, et al. **Circulation** 1991 Jul;84(1):1–14 (167 ref.)
Endothelium-derived contractile factors. Sánchez-Ferrer CF, et al. **Gen Pharmacol** 1990;21(5):589–603 (153 ref.)
Calcium and vascular reactivity in aging and hypertension [editorial] Wadsworth RM. **J Hypertens** 1990 Nov; 8(11):975–83 (137 ref.)
Cholinergic vasoconstriction in the eye. Stjernschantz J.
J Ocul Pharmacol 1990 Fall;6(3):195–202 (26 ref.)
Serotonin, hypertension and vascular disease. Vanhoutte PM.
Neth J Med 1991 Feb;38(1–2):35–42 (46 ref.)
Clinical syndromes with vasoconstrictor response. Gasser P.
Wien Klin Wochenschr 1991;103(8):217–21 (54 ref.)
[Tissue factors involved in hypoxic pulmonary vasoconstriction] Hampl V, et al. **Cesk Fysiol** 1991; 40(1):1–23 (206 ref.) **(Cze)**

VASOCONSTRICTOR AGENTS

PHARMACOLOGY

A new vasoconstrictor peptide, endothelin: profiles as vasoconstrictor and neuropeptide. Shigeno T, et al.
Cerebrovasc Brain Metab Rev 1990 Fall;2(3):227–39 (96 ref.)
Preclinical studies on the anti-migraine drug, sumatriptan. Humphrey PP, et al. **Eur Neurol** 1991;31(5):282–90 (40 ref.)
Sumatriptan in acute migraine: pharmacology and review of world experience. Peroutka SJ. **Headache** 1990;30 Suppl 2:554–60 (43 ref.)
Secretory function of vascular endothelium and its implication in the action of vasoactive drugs. Gryglewski RJ. **Pol J Pharmacol Pharm** 1990 May–Jun;42(3):219–36 (66 ref.)
[The significance of biologically active substances in

regulating local vascular tonus] Iordanov Iu. **Eksp Med Morfol** 1991;30(1):45–50 (21 ref.) **(Bul)**
[The problems of the experimental and clinical pharmacology of vein–tonicizing agents] Shashkov VS, et al. **Farmakol Toksikol** 1990 Jul–Aug;53(4):9–13 (36 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Vasoconstrictor therapy in bleeding esophageal varices. Walker S. **Hepatogastroenterology** 1990 Dec;37(6):538–43 (82 ref.)
The effect of therapy on tumour vascular function. Chaplin DJ. **Int J Radiat Biol** 1991 Jul–Aug;60(1–2):311–25 (97 ref.)
The use of vasoactive agents in the treatment of refractory hypotension seen in tricyclic antidepressant overdose. Buchman AL, et al. **J Clin Psychopharmacol** 1990 Dec; 10(6):409–13 (40 ref.)
Rationale for the use of 5-HT1-like agonists in the treatment of migraine. Feniuk W, et al. **J Neurol** 1991;238 Suppl 1:S57–61 (42 ref.)

VASOCONSTRICTOR AGENTS, NASAL

PHARMACOLOGY

Mechanism of action of some commonly used nasal drugs. Jackson RT. **Otolaryngol Head Neck Surg** 1991 Apr; 104(4):433–40 (32 ref.)

VASODILATION

Airways vasodilatation in the immediate allergic reaction. Involvement of inflammatory mediators and sensory nerves. Alving K. **Acta Physiol Scand Suppl** 1991;597:1–64 (176 ref.)
Generation and transmission of vasoactive and antiaggregatory signals by the endothelium. Bassenge E, et al. **Adv Second Messenger Phosphoprotein Res** 1990; 24:434–40 (26 ref.)
Impaired dilatation of cerebral arterioles in chronic hypertension. Heistad DD, et al. **Blood Vessels** 1990; 27(2–5):258–62 (14 ref.)
Leukocyte-dependent and leukocyte-independent mechanisms of impairment of endothelium-mediated vasodilation. Lefer AM, et al. **Blood Vessels** 1990; 27(2–5):162–8 (22 ref.)
Vasoactive peptides and their receptors. Regoli D, et al. **Blood Vessels** 1990;27(2–5):137–45 (24 ref.)
Control of the renal microvasculature by vasoactive peptides. Carmines PK, et al. **FASEB J** 1990 Dec;4(15):3300–9 (81 ref.)

DRUG EFFECTS

Dipyridamole thallium imaging. Beer SG, et al. **Am J Cardiol** 1991 May 21;67(14):18D–26D (83 ref.)
Vasodilation, not cardiodepression, underlies the antihypertensive effect of beta-adrenoceptor antagonists. Man in 't Veld AJ. **Am J Cardiol** 1991 Apr 22; 67(10):13B–17B (23 ref.)
Effects of extracellular ATP on the release of vasoactive mediators from endothelium. Pearson JD, et al. **Ann N Y Acad Sci** 1990;603:267–73; discussion 273–4 (26 ref.)
Role of potassium channels in the vascular response to endogenous and pharmacological vasodilators. Brayden JE, et al. **Blood Vessels** 1991;28(1–3):147–53 (35 ref.)
Mechanisms involved in serotonin-induced vasodilatation. Mylecharane EJ. **Blood Vessels** 1990;27(2–5):116–26 (58 ref.)
Mechanisms of vasodilatation induced by potassium-channel activators. Kajioka S, et al. **Clin Sci** 1991 Aug;81(2):129–39 (151 ref.)
Mechanisms of atrial natriuretic factor-induced vasodilation. Winquist RJ, et al. **Pharmacol Ther** 1990;48(3):417–26 (106 ref.)

PHYSIOLOGY

The cellular basis of contraction and relaxation in cardiac and vascular smooth muscle. Morgan JP, et al. **Am Heart J** 1991 Mar;121(3 (Pt 1)):961–8 (37 ref.)
Innervation and effects of dilatory neuropeptides on cerebral vessels. New aspects. Edvinsson L. **Blood Vessels** 1991; 28(1–3):35–45 (81 ref.)
Interdependence of pharmacologically-induced and endothelium-mediated coronary vasodilation in antianginal therapy. Bassenge E, et al. **Cardiovasc Drugs Ther** 1988 May;2(1):27–34 (54 ref.)
Role of vasodilation in the antihypertensive and antianginal effects of labetalol: implications for therapy of combined hypertension and angina. Opie LH. **Cardiovasc Drugs Ther** 1988 Sep;2(3):369–76 (57 ref.)
Shock- and ischemia-induced mechanisms of impairment of endothelium-mediated vasodilation. Lefer AM, et al. **Chest** 1991 Sep;100(3 Suppl):160S–163S (20 ref.)
Roles of P2-purinoceptors in the cardiovascular system. Ralevic V, et al. **Circulation** 1991 Jul;84(1):1–14 (167 ref.)
Endothelium-derived relaxing factor (EDRF) and nitric oxide (NO). II. Physiology, pharmacology and pathophysiological implications. Feng Q, et al. **Clin Physiol** 1990 Nov;10(6):503–26 (174 ref.)
Local and central reflex mechanisms in the neural control of airway microcirculation. Lundberg JM, et al. **Eur Respir J Suppl** 1990 Dec;12:624s–628s (34 ref.)
Cyclic AMP and mechanisms of vasodilation. Murray KJ. **Pharmacol Ther** 1990;47(3):329–45 (170 ref.)
Endothelium-dependent relaxation, endothelium-derived relaxing factor and photorelaxation of blood vessels. Furchgott RF. **Semin Perinatol** 1991 Feb;15(1):11–5 (33 ref.)

VASODILATOR AGENTS

Pharmacology of flosequinan. Yates DB. **Am Heart J** 1991 Mar;121(3 (Pt 1)):974–83 (16 ref.)
The safety profile of ibopamine, an alternative substance for treatment of chronic heart failure. Holubarsch C, et al. **Cardiology** 1990;77 Suppl 5:1–8 (52 ref.)
Hemodynamic and neurohumoral effects of ibopamine in patients with chronic congestive heart failure. López-Sendón J. **Cardiology** 1990;77 Suppl 5:9–21 (54 ref.)
Pharmacological profile of ibopamine. A summary of experiments on anaesthesized dogs. Marchetti GV. **Cardiology** 1990;77 Suppl 5:22–9 (34 ref.)
Effect of ibopamine, a dopamine congener, on arrhythmias in heart failure. Storstein L. **Cardiology** 1990;77 Suppl 5:30–5 (31 ref.)
[Mechanism of vasorelaxation by atrial natriuretic factor] Liao YB. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan; 22(1):73–6 (31 ref.) **(Chi)**

ADVERSE EFFECTS

[Side effects of vasodilator therapy in heart failure: risk of hypotension with ACE inhibitors] Kromer EP, et al. **Z Kardiol** 1991;80 Suppl 2:11–5 (36 ref.) (Eng. Abstr.) **(Ger)**

PHARMACOLOGY

Inotropic and vasoactive drugs for management of the critically ill. McGrath RB. **Acute Care** 1988–89; 14–15:293–312 (192 ref.)
Vasodilatory beta-blockers: systemic and regional hemodynamic effects. Frohlich ED. **Am Heart J** 1991 Mar; 121(3 (Pt 2)):1012–6; discussion 1016–7 (48 ref.)
Clinical pharmacology of vasodilatory beta-blocking drugs. Shanks RG. **Am Heart J** 1991 Mar;121(3 (Pt 2)):1006–11 (37 ref.)
Clinical pharmacology of ibopamine. Itoh H. **Am J Med** 1991 May 29;90(5B):36S–42S (12 ref.)
Role of potassium channels in the vascular response to endogenous and pharmacological vasodilators. Brayden JE, et al. **Blood Vessels** 1991;28(1–3):147–53 (35 ref.)
Scope of vasodilatory effects of calcium antagonists. Fleckenstein-Grün G, et al. **Blood Vessels** 1990; 27(2–5):319–32 (35 ref.)
Mechanism of the vasodilator action of pinacidil. Mulvany MJ, et al. **Blood Vessels** 1990;27(2–5):314–8 (15 ref.)
Peptidergic vasodilator nerves in the peripheral circulation and in the vascular beds of the heart and brain. Owman C. **Blood Vessels** 1990;27(2–5):73–93 (148 ref.)
Molsidomine. Reden J. **Blood Vessels** 1990;27(2–5):282–94 (34 ref.)
The potassium channel openers: a new class of vasorelaxants. Weston AH, et al. **Blood Vessels** 1990;27(2–5):306–13 (33 ref.)
Mechanisms of nitrate tolerance: a review. Katz RJ. **Cardiovasc Drugs Ther** 1990 Feb;4(1):247–52 (56 ref.)
Local control of human peripheral vascular tone: implications for drug therapy. Benjamin N, et al. **Clin Sci** 1991 Mar; 80(3):183–90 (100 ref.)
Dopexamine hydrochloride: pharmacology and use in low cardiac output states. Ghosh S, et al. **J Cardiothorac Vasc Anesth** 1991 Aug;5(4):382–9 (59 ref.)
Cardiovascular and biological effects of K+ channel openers, a class of drugs with vasorelaxant and cardioprotective properties. Richer C, et al. **Life Sci** 1990;47(19):1693–705 (60 ref.)
Secretory function of vascular endothelium and its implication in the action of vasoactive drugs. Gryglewski RJ. **Pol J Pharmacol Pharm** 1990 May–Jun;42(3):219–36 (66 ref.)
Pharmacology of endothelium-derived nitric oxide and nitrovasodilators. Ignarro LJ, et al. **West J Med** 1991 Jan; 154(1):51–62 (95 ref.)
[The significance of biologically active substances in regulating local vascular tonus] Iordanov Iu. **Eksp Med Morfol** 1991;30(1):45–50 (21 ref.) **(Bul)**
[The problems of the experimental and clinical pharmacology of vein-tonicizing agents] Shashkov VS, et al. **Farmakol Toksikol** 1990 Jul–Aug;53(4):9–13 (36 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Future directions in vasodilator therapy for heart failure. Cohn JN. **Am Heart J** 1991 Mar;121(3 (Pt 1)):969–74 (24 ref.)
Medical management of chronic heart failure: inotropic, vasodilator, or inodilator drugs? Lang R. **Am Heart J** 1990 Dec;120(6 (Pt 2)):1558–64 (71 ref.)
Regional blood flow supply and demand in heart failure. Levine TB, et al. **Am Heart J** 1990 Dec;120(6 (Pt 2)):1547–51 (27 ref.)
Efficacy of ibopamine in the treatment of heart failure. Taylor SH, et al. **Am Heart J** 1990 Dec;120(6 (Pt 2)):1583–90 (42 ref.)
Ibopamine in chronic congestive heart failure: hemodynamic and neurohumoral effects. López-Sendón J. **Am J Med** 1991 May 29;90(5B):43S–49S (50 ref.)
Ibopamine in the treatment of heart failure. Man in't Veld AJ. **Am J Med** 1991 May 29;90(5B):50S–54S (27 ref.)
Medical therapy for patients with aortic insufficiency. Greenberg BH. **Cardiol Clin** 1991 May;9(2):255–70 (43 ref.)
Combination of positive inotropic and vasodilating substances in congestive heart failure. Cantelli I, et al. **Cardiovasc Drugs Ther** 1988 May;2(1):83–91 (49 ref.)
Angiotensin inhibitors and other vasodilators with special reference to congestive heart failure. Chatterjee K, et al. **Cardiovasc Drugs Ther** 1987;1(1):1–8 (31 ref.)
Pharmacology and therapeutic effects of nicorandil. Kinoshita M, et al. **Cardiovasc Drugs Ther** 1990 Aug; 4(4):1075–88 (128 ref.)
Can new inodilators displace digitalis in the therapy of congestive heart failure? Kumada T, et al. **Cardiovasc Drugs Ther** 1989 Jan;2(6):751–5 (50 ref.)
Evaluation of celiprolol, a new cardioselective beta 1-adrenergic blocker with vasodilating properties, in the treatment of mild to moderate hypertension in the elderly. Lamon KD. **Cardiovasc Drugs Ther** 1991 Jan;4 Suppl 6:1291–5 (30 ref.)
Vasodilator therapy without converting-enzyme inhibition in congestive heart failure—usefulness and limitations. Remme WJ. **Cardiovasc Drugs Ther** 1989 Jun;3(3):375–96 (217 ref.)
The rationale for combined use of diuretics, digitalis, and vasodilators in congestive heart failure. Smith TW, et al. **Cardiovasc Drugs Ther** 1989 Mar;3(1):13–7 (30 ref.)
Pathophysiologic arguments for vasodilators in cardiac failure [editorial] Vogt A, et al. **Cardiovasc Drugs Ther** 1988 Dec;2(5):647–51 (19 ref.)
The role of adrenergic drugs in antihypertensive therapy. Itskovitz HD. **Cleve Clin J Med** 1991 Jan–Feb;58(1):79–93 (26 ref.)
Cardiac volume load as a determinant of the response of cardiac mass to antihypertensive therapy. Leenen FH, et al. **Eur Heart J** 1990 Nov;11 Suppl G:100–6 (22 ref.)
Heart failure: mechanisms of cardiac and vascular dysfunction and the rationale for pharmacologic intervention. Francis GS, et al. **FASEB J** 1990 Oct; 4(13):3068–75 (82 ref.)
The effect of therapy on tumour vascular function. Chaplin DJ. **Int J Radiat Biol** 1991 Jul–Aug;60(1–2):311–25 (97 ref.)
Tailored therapy before transplantation for treatment of advanced heart failure: effective use of vasodilators and diuretics. Stevenson LW. **J Heart Lung Transplant** 1991 May–Jun;10(3):468–76 (21 ref.)
Pharmacologic treatment of heart failure. Nagelhout JJ. **Nurs Clin North Am** 1991 Jun;26(2):401–15 (17 ref.)
Experimental and clinical pharmacology of carvedilol and other drugs combining vasodilation and beta-adrenoceptor antagonism in a single molecule. Strein K, et al. **Z Kardiol** 1990;79 Suppl 3:89–98 (15 ref.)
[Cardiac insufficiency in children. Mechanisms and treatment] Sassolas F, et al. **Pediatrie** 1991;46(3):229–35 (12 ref.) (Eng. Abstr.) **(Fre)**
[Physiological bases and therapeutic uses of inodilator drugs] Costa R, et al. **Clin Ter** 1991 Jan 31;136(2):85–94 (55 ref.) (Eng. Abstr.) **(Ita)**

VASOMOTOR SYSTEM

PHYSIOLOGY

Endothelium-derived vasoactive factors and the renal vasculature. King AJ, et al. **Am J Physiol** 1991 Apr;260(4 Pt 2):R653–62 (110 ref.)
Peptidergic vasodilator nerves in the peripheral circulation and in the vascular beds of the heart and brain. Owman C. **Blood Vessels** 1990;27(2–5):73–93 (148 ref.)
Tonic control of subretrofacial vasomotor neurons in the rostral ventrolateral medulla. Dampney RA, et al. **Clin Exp Pharmacol Physiol** 1991 Feb;18(2):97–100 (22 ref.)
Reflex and nervous control of the tracheobronchial circulation. Godden DJ. **Eur Respir J Suppl** 1990 Dec; 12:602s–607s (59 ref.)
Effects of non-neural mediators and allergen on tracheobronchial blood flow. Webber SE, et al. **Eur Respir J Suppl** 1990 Dec;12:638s–643s; discussion 643s–644s (35 ref.)
Regulation of cerebral blood vessels by humoral and endothelium-dependent mechanisms. Update on humoral regulation of vascular tone. Faraci FM, et al. **Hypertension** 1991 Jun;17(6 Pt 2):917–22 (70 ref.)
Role of endothelium-derived relaxing factor in regulation of vascular tone and remodeling. Update on humoral regulation of vascular tone. Tolins JP, et al. **Hypertension** 1991 Jun;17(6 Pt 2):909–16 (99 ref.)
Ovarian hormones and the circulation. Sarrel PM. **Maturitas** 1990 Sep;12(3):287–98 (63 ref.)
The nasal vasomotor reaction. Taylor M. **Otolaryngol Clin North Am** 1973 Oct;6(3):645–54 (16 ref.)
Integration of somatic and autonomic reactions within the midbrain periaqueductal grey: viscerotopic, somatotopic and functional organization. Bandler R, et al. **Prog Brain Res** 1991;87:269–305 (112 ref.)

Platelets as a source of vasoactive mediators. Schrör K, et al. **Stroke** 1990 Dec;21(12 Suppl):IV32–5 (49 ref.)
[Role of the medulla in regulation of cardiovascular functions] Sun MK. **Sheng Li Ko Hsueh Chin Chan** 1991 Jan;22(1):55–8 (30 ref.) **(Chi)**
[The role of the endothelium in the regulation of vasomotor activity] Boulanger C, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:35–44 (70 ref.) (Eng. Abstr.) **(Fre)**
[Vasomotor activity and vascular geometry] Escourrou P. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:53–7 (7 ref.) (Eng. Abstr.) **(Fre)**
[Vasomotor activity in the large arterial vessels and arterial hypertension] Laurent S, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:59–63 (30 ref.) (Eng. Abstr.) **(Fre)**
[Calcium–calmodulin and vasomotor activity] Lugnier C. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:25–34 (35 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Myocardial ischemia: pathogenic role of disturbed vasomotion and endothelial dysfunction in coronary atherosclerosis. Selwyn AP, et al. **Adv Cardiol** 1990; 37:42–52 (41 ref.)
Endothelial cells as part of a vascular oxygen-sensing system: hypoxia-induced release of autacoids. Pohl U. **Experientia** 1990 Dec 1;46(11–12):1175–9 (45 ref.)
[Vasomotor activity and coronary insufficiency] Lablanche JM, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:69–74 (26 ref.) (Eng. Abstr.) **(Fre)**
[Mechanisms and consequences of changes of the vasomotor activity in cardiac insufficiency] Thuillez C, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84 Spec No 1:65–8 (14 ref.) (Eng. Abstr.) **(Fre)**

VASOPRESSIN, ARGININE see **ARGIPRESSIN**

VASOPRESSIN, DEAMINO ARGININE see **DESMOPRESSIN**

VASOPRESSIN, ISOLEUCYL-LEUCYL see **OXYTOCIN**

VASOPRESSIN, LYSINE see **LYPRESSIN**

VASOPRESSINS

see related
INAPPROPRIATE ADH SYNDROME

ADMINISTRATION & DOSAGE

[Chemotherapy of portal hypertension] Geller LI. **Klin Med (Mosk)** 1991 Apr;69(4):28–32 (58 ref.) **(Rus)**

ADVERSE EFFECTS

Rhabdomyolysis and cutaneous necrosis following intravenous vasopressin infusion. Moreno-Sánchez D, et al. **Gastroenterology** 1991 Aug;101(2):529–32 (20 ref.)
[Muscular necrosis following administration of vasopressin] Moreno Sánchez D, et al. **Rev Esp Enferm Dig** 1991 Feb; 79(2):160–2 (16 ref.) (Eng. Abstr.) **(Spa)**

ANALYSIS

Vasopressin, oxytocin and synthetic analogues: the use of bioassays. Stürmer E. **J Pharm Biomed Anal** 1989; 7(2):199–210 (38 ref.)

ANTAGONISTS & INHIBITORS

Vasopressin agonists and antagonists. Thibonnier M. **Horm Res** 1990;34(3–4):124–8 (15 ref.)
Pharmacology and clinical perspectives of vasopressin antagonists. László FA, et al. **Pharmacol Rev** 1991 Mar; 43(1):73–108 (498 ref.)

BIOSYNTHESIS

[Mechanisms regulating the biosynthesis and release of neurohormones of the neurohypophysis] Guzek JW. **Acta Physiol Pol** 1989;40 Suppl 34:11–28 (89 ref.) **(Pol)**

BLOOD

Determination of plasma catecholamine and vasoactive peptide concentrations: clinical usefulness. Waeber B, et al. **Int J Rad Appl Instrum [B]** 1990;17(7):667–72 (25 ref.)

PHARMACOLOGY

Current understanding of the cellular biology and molecular structure of the antidiuretic hormone-stimulated water transport pathway. Harris HW Jr, et al. **J Clin Invest** 1991 Jul;88(1):1–8 (58 ref.)

PHYSIOLOGY

Quantitative aspects of renal actions of vasopressin. Bie P. **Acta Physiol Scand Suppl** 1990;591:28–32 (11 ref.)
Vasopressin, the blood–brain barrier, and brain performance. Ermisch A, et al. **Adv Exp Med Biol** 1990;274:71–89 (75 ref.)
Regulation of the sympathetic nervous system by circulating vasopressin. Kvetňanský R, et al. **Adv Exp Med Biol** 1990; 274:113–34 (69 ref.)
Vasopressin and urinary concentration: additional risk factors in the progression of chronic renal failure. Bankir L, et al. **Am J Kidney Dis** 1991 May;17(5 Suppl 1):20–6 (25 ref.)
Hormonal regulation of the acute haemostatic response to stress. Grant PJ. **Blood Coagul Fibrinolysis** 1990 Aug; 1(3):299–306 (84 ref.)
Role of vasopressin in cardiovascular and blood pressure regulation. Abboud FM, et al. **Blood Vessels** 1990; 27(2–5):106–15 (21 ref.)
Mode of action of angiotensin II and vasopressin on their target cells. Vallotton MB, et al. **Horm Res** 1990; 34(3–4):105–10 (63 ref.)
Appearance and transient expression of vasopressin and oxytocin receptors in the rat brain. Tribollet E, et al. **J Recept Res** 1991;11(1–4):333–46 (14 ref.)
Cellular mechanisms of prostaglandin E2 and vasopressin interactions in the collecting duct. Breyer MD, et al. **Kidney Int** 1990 Oct;38(4):618–24 (46 ref.)
[Hormonal regulation in the balance of the water and electrolytes] Liu ZF. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul;21(3):279–81 (39 ref.) **(Chi)**
[Neurohormones of the posterior pituitary gland—their biosynthesis, secretion and physiological role] Ciosek J. **Acta Physiol Pol** 1989;40 Suppl 33:1–27 (172 ref.) **(Pol)**
[The role of neuropeptides in memory processes] Słowik S. **Psychiatr Pol** 1990 May-Jun;24(3):217–24 (39 ref.) **(Pol)**
[Vasopressin and arterial pressure] Slavnov VN, et al. **Kardiologiia** 1990 Sep;30(9):96–100 (97 ref.) **(Rus)**
[Ultrastructural changes in the cells of the vasopressin-sensitive epithelia during the stimulation of water transport] Snigirevskaia ES. **Tsitologiia** 1990; 32(8):766–94 (242 ref.) (Eng. Abstr.) **(Rus)**

SECRETION

Effects of ethanol on calcium channels, potassium channels, and vasopressin release. Treistman SN, et al. **Ann N Y Acad Sci** 1991;625:249–63 (32 ref.)
Role of afferent renal nerves in the control of vasopressin secretion. Reid IA, et al. **Chin J Physiol** 1991;34(1):93–104 (45 ref.)
Kappa agonists and vasopressin secretion. Hamon G, et al. **Horm Res** 1990;34(3–4):129–32 (52 ref.)
Neurophysiology and neuropharmacology of hypothalamic magnocellular neurons secreting vasopressin and oxytocin. Renaud LP, et al. **Prog Neurobiol** 1991;36(2):131–69 (630 ref.)
[A case of adenocarcinoma of the stomach associated with SIADH] Saitoh S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1991 Jun;88(6):1349–53 (14 ref.) **(Jpn)**
[Inappropriate ADH syndrome] Strózik K. **Przegl Lek** 1990; 47(8):615–8 (32 ref.) **(Pol)**

THERAPEUTIC USE

Desmopressin for diabetes insipidus, hemostatic disorders and enuresis. Shulman LH, et al. **Am Fam Physician** 1990 Oct; 42(4):1051–7 (12 ref.)

URINE

[Hypervasopressinism during tuberculous meningitis] Sebbag L, et al. **Rev Mal Respir** 1991;8(3):311–2 (10 ref.) (Eng. Abstr.) **(Fre)**

VASOPRESSOR AGENTS see **VASOCONSTRICTOR AGENTS**

VASOTOCIN, LEUCYL see **OXYTOCIN**

VATER'S AMPULLA

Histological typing of pancreatic and periampullary carcinoma. Klöppel G, et al. **Eur J Surg Oncol** 1991 Apr; 17(2):139–52 (46 ref.)
[Villous adenomas of the major duodenal papilla: apropos a case] Damianov D, et al. **Khirurgiia (Sofiia)** 1991; 44(2):27–31 (13 ref.) (Eng. Abstr.) **(Bul)**
[Papillotomy—dilatation of the papilla] van Husen N. **Verh Dtsch Ges Inn Med** 1990;96:619–24 (43 ref.) **(Ger)**
[Papillotomy in acute pancreatitis—never—selective—or always? Early ERCP and EST (endoscopic sphincterotomy)] Kautz G. **Z Gastroenterol Verh** 1991 Mar; 26:72–6 (30 ref.) **(Ger)**
[Neoplasms of Vater's papilla. Diagnosis and surgical treatment] Nobili P, et al. **G Chir** 1988 Oct;9(10):662–9 (40 ref.) (Eng. Abstr.) **(Ita)**
[Alternative approaches to the treatment of cholelithiasis] Dederer IuM, et al. **Khirurgiia (Mosk)** 1990 Oct;(10):147–53 (115 ref.) **(Rus)**

PATHOLOGY

A case of familial adenomatous polyposis complicated by thyroid carcinoma, carcinoma of the ampulla of vater and adrenocortical adenoma. Ono C, et al. **Jpn J Surg** 1991 Mar;21(2):234–40 (34 ref.)
Familial polyposis coli & Gardner's syndrome. Nannery WM, et al. **N J Med** 1990 Sep;87(9):731–3 (11 ref.)
[Status determination in discussion of benign stenosis of Vater's papilla] Horntrich J. **Gastroenterol J** 1990; 50(2):101–4, discussion 105–8 (19 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

[Endoscopic papillotomy] Ermolov AS, et al. **Khirurgiia (Mosk)** 1991 Mar;(3):129–34 (43 ref.) **(Rus)**
[Benign tumours of major duodenal papilla] Shapoval'iants SG, et al. **Khirurgiia (Mosk)** 1991 May;(5):164–71 (105 ref.) **(Rus)**

VECTORCARDIOGRAPHY

Special value of the vectorcardiogram in pediatric cardiology. Brohet CR. **J Electrocardiol** 1990;23 Suppl:58–62 (25 ref.)

VECTORS, GENETIC see **GENETIC VECTORS**

VECURONIUM

ANTAGONISTS & INHIBITORS

Betamethasone-induced resistance to vecuronium: a potential problem in neurosurgery? Parr SM, et al. **Anaesth Intensive Care** 1991 Feb;19(1):103–5 (16 ref.)

VECURONIUM BROMIDE see **VECURONIUM**

VEGETABLE OILS see **PLANT OILS**

VEGETABLE PROTEINS

Carnitine supplementation in soy-based formula-fed infants. Novak M. **Biol Neonate** 1990;58 Suppl 1:89–92 (25 ref.)

ADVERSE EFFECTS

Studies of food allergens: soybean and egg proteins. Djurtoft R, et al. **Adv Exp Med Biol** 1991;289:281–93 (25 ref.)
MSG and hydrolyzed vegetable protein induced headache: review and case studies. Scopp AL. **Headache** 1991 Feb; 31(2):107–10 (23 ref.)

ANALYSIS

Amino acid ratings of different forms of infant formulas based on varying degrees of processing. Sarwar G. **Adv Exp Med Biol** 1991;289:389–402 (17 ref.)
[Characterization of the nutritional potential of tepari bean (Phaseolus acutifolius) grown in Mexico] González de Mejía E, et al. **Arch Latinoam Nutr** 1988 Dec;38(4):907–24 (47 ref.) (Eng. Abstr.) **(Spa)**

CHEMISTRY

Narbonin, a 2 S globulin from Vicia narbonensis L. Crystallization and preliminary crystallographic data. Hennig M, et al. **J Mol Biol** 1990 Oct 5;215(3):339–40 (3 ref.)

GENETICS

An unstable domain in the vicilin genes of higher plants. Dure L 3d. **New Biol** 1990 May;2(5):487–93 (20 ref.)

PHARMACOLOGY

Casein versus soy protein: further elucidation of their differential effect on serum cholesterol in rabbits. **Nutr Rev** 1991 Apr;49(4):121–3 (5 ref.)

VEGETABLES

Dietary guidelines and the results of food consumption surveys. Block G. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):356S–357S (9 ref.)
Nutritional approach to cancer prevention with emphasis on vitamins, antioxidants, and carotenoids. Weisburger JH. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):226S–237S (117 ref.)
Vegetables, fruits, and carotenoids and the risk of cancer. Ziegler RG. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):251S–259S (46 ref.)
Protective dietary factors and lung cancer. Fontham ET. **Int J Epidemiol** 1990;19 Suppl 1:S32–42 (51 ref.)
Comparison of vitamin losses in vegetables due to various cooking methods. Rumm-Kreuter D, et al. **J Nutr Sci Vitaminol (Tokyo)** 1990;36 Suppl 1:S7–14; discussion S14–5 (20 ref.)

ANALYSIS

[Use of gas chromatography for determining benzoic and sorbic acid levels in orange beverage and tomato concentrate] Giryn H, et al. **Rocz Panstw Zakl Hig** 1990; 41(5–6):217–22 (14 ref.) (Eng. Abstr.) **(Pol)**
[A method of atomic absorption spectrophotometry (AAS) for analysis of cadmium and lead levels in the plant material] Jędrzejczak R, et al. **Rocz Panstw Zakl Hig** 1990; 41(5–6):223–9 (8 ref.) (Eng. Abstr.) **(Pol)**

VEGETARIANISM

Nutritional consequences of vegetarianism. Dwyer JT. **Annu Rev Nutr** 1991;11:61–91 (135 ref.)
Vegetarianism, fish eating and jogging. Burr ML. **J R Soc Health** 1990 Aug;110(4):144–5 (15 ref.)

VEGETATIVE STATE see **COMA**

VEILED CELLS see **DENDRITIC CELLS**

VEIN OF GALEN see **CEREBRAL VEINS**

VEINS

DRUG EFFECTS

[The problems of the experimental and clinical pharmacology of vein-tonicizing agents] Shashkov VS, et al. **Farmakol Toksikol** 1990 Jul-Aug;53(4):9-13 (36 ref.) (Eng. Abstr.) **(Rus)**

PATHOLOGY

Venous disease. Criado E, et al. **Curr Probl Surg** 1991 May; 28(5):335-400 (258 ref.)

PHYSIOLOGY

[Veins and hormones: a conflicting couple] Flabeau-Tugaye C. **Rev Fr Gynecol Obstet** 1990 Jul-Sep;85(7-9):487-90 (12 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Repair and replacement of deep vein valves in the treatment of venous insufficiency. Wilson NM, et al. **Br J Surg** 1991 Apr;78(4):388-94 (89 ref.)

[Venous replacement surgery: history, update and perspectives] Mongardini M, et al. **G Chir** 1990 Jun; 11(6):371-81 (110 ref.) (Eng. Abstr.) **(Ita)**

TRANSPLANTATION

A comparative review of in situ versus reversed vein grafts in the 1980s. Calligaro KD, et al. **Surg Gynecol Obstet** 1991 Mar;172(3):247-52 (64 ref.)

ULTRASONOGRAPHY

[Venous study of the limbs with duplex Doppler and color Doppler. An iconographic review] Gigandet S, et al. **J Radiol** 1991 Jun-Jul;72(6-7):341-8 (16 ref.) **(Fre)**

VELOCIMETERS see **FLOWMETERS**

VELOCITY METERS see **FLOWMETERS**

VELOPHARYNGEAL INSUFFICIENCY

see related
SPEECH DISORDERS

PHYSIOPATHOLOGY

Simulated long-term driving performance before and after uvulopalatopharyngoplasty. Haraldsson PO, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(2):106-10 (27 ref.)

VELUM PALATINUM see **PALATE, SOFT**

VENA CAVA FILTERS

Inferior vena caval filters: analysis of five currently available devices. Grassi CJ. **AJR Am J Roentgenol** 1991 Apr; 156(4):813-21 (43 ref.)

VENA CAVA, INFERIOR

Fatal duodenocaval fistula resulting from a giant peptic ulcer. Case report. deSa LA, et al. **Acta Chir Scand** 1990 Sep; 156(9):647-50 (17 ref.)

[Leiomyosarcoma of the inferior vena cava: literature review and surgical treatment. Apropos of 2 retrohepatic localizations] Legrand M, et al. **Acta Chir Belg** 1991 Jan-Feb;91(1):11-6 (34 ref.) (Eng. Abstr.) **(Fre)**

ABNORMALITIES

Left infrarenal region: anatomic variants, pathologic conditions, and diagnostic pitfalls. Gay SB, et al. **Radiographics** 1991 Jul;11(4):549-70 (30 ref.)

[Congenital anomaly of the inferior vena cava with hemiazygos continuation. Ultrasonic diagnosis] Le Blanche AF, et al. **Ann Radiol (Paris)** 1990;33(6):339-46 (27 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Selective splenocaval shunt. Report of 26 cases and review of the literature. Atta HM, et al. **Arch Surg** 1991 May; 126(5):582-5 (17 ref.)

Combined hepatic and vena caval resection with autogenous caval graft replacement. Miller CM, et al. **Arch Surg** 1991 Jan;126(1):106-8 (8 ref.)

Spontaneous abdominal arteriovenous fistulae: report of eight cases and review of the literature. Gilling-Smith GL, et al. **Br J Surg** 1991 Apr;78(4):421-5 (89 ref.)

[Leiomyosarcoma of the inferior vena cava. Review of the literature apropos of a case] Bendayan P, et al. **Ann Chir** 1991;45(2):149-54 (42 ref.) (Eng. Abstr.) **(Fre)**

[Leiomyosarcoma of the vena cava. Case report and review of the literature] Sturm J, et al. **Langenbecks Arch Chir** 1991;376(3):182-8 (25 ref.) (Eng. Abstr.) **(Ger)**

VENA CAVA, SUPERIOR

see related
SUPERIOR VENA CAVA SYNDROME

[A case of invasive thymoma displaying endobronchial and endocaval polypoid growth] Ichimanda M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1991 Jun;39(6):938-42 (17 ref.) (Eng. Abstr.) **(Jpn)**

ABNORMALITIES

Isolated right superior vena cava into the left atrium detected by contrast echocardiography. King RE, et al. **Am Heart J** 1991 Aug;122(2):583-6 (14 ref.)

[Venous catheterization and congenital abnormalities of the superior vena cava] Page Y, et al. **Ann Fr Anesth Reanim** 1990;9(5):450-5 (31 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Value of superior angiocardiography in the evaluation of the surgical excision of bronchial cancer. Respective role compared to thoracic x-ray computed tomography] Regnard JF, et al. **Ann Chir** 1990;44(8):655-9 (15 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Hypoplastic left heart syndrome. Norwood WI Jr. **Ann Thorac Surg** 1991 Sep;52(3):688-95 (4 ref.)

[Cavo-bipulmonary anastomosis. Apropos of 3 cases] Leca F, et al. **Arch Mal Coeur Vaiss** 1991 May;84(5):697-702 (22 ref.) (Eng. Abstr.) **(Fre)**

VENEREAL DISEASES see **SEXUALLY TRANSMITTED DISEASES**

VENEREAL DISEASES, BACTERIAL see **SEXUALLY TRANSMITTED DISEASES, BACTERIAL**

VENEREAL DISEASES, VIRAL see **SEXUALLY TRANSMITTED DISEASES, VIRAL**

VENEREAL WARTS see **CONDYLOMATA ACUMINATA**

VENEREOLOGY

see related
SEXUALLY TRANSMITTED DISEASES

VENOGRAPHY see **PHLEBOGRAPHY**

VENOMS

[Electric shock treatment of poisoning caused by animal venoms] Torregiani F, et al. **Minerva Med** 1990 Jul-Aug; 81(7-8 Suppl):133-6 (30 ref.) (Eng. Abstr.) **(Ita)**

VENOUS CATHETERIZATION, CENTRAL see **CATHETERIZATION, CENTRAL VENOUS**

VENOUS CATHETERIZATION, PERIPHERAL see **CATHETERIZATION, PERIPHERAL**

VENOUS INSUFFICIENCY

COMPLICATIONS

The pathogenesis of skin damage in venous disease: a review. Cheatle TR, et al. **Eur J Vasc Surg** 1991 Apr;5(2):115-23 (75 ref.)

[Stasis cellulitis] Coget JM. **Phlebologie** 1990 Jul-Oct; 43(3):491-9 (7 ref.) **(Fre)**

[Venous stasis and panniculopathy: a semiologic study] Fernández G, et al. **Angiologia** 1990 Jul-Aug;42(4):127-32 (48 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Chronic venous insufficiency in general medical practice] Petter O. **Z Arztl Fortbild (Jena)** 1990;84(23):1211-6 (15 ref.) **(Ger)**

DRUG THERAPY

Drug treatment of chronic venous insufficiency and venous ulceration: a review. Cheatle TR, et al. **J R Soc Med** 1991 Jun;84(6):354-8 (59 ref.)

EPIDEMIOLOGY

[Varicose veins and chronic venous insufficiency--minor disorder or disease? A critical review of the literature] Madar G, et al. **Z Lymphol** 1990 Aug;14(1):36-46 (93 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Angiogenesis and superficial venous insufficiency, the induced disease] Couffinhal JC, et al. **Phlebologie** 1990 Nov-Dec;43(4):609-13 (12 ref.) **(Fre)**

PHYSIOPATHOLOGY

Lower extremity venous hemodynamics. Belcaro G, et al. **Ann Vasc Surg** 1991 May;5(3):305-10 (25 ref.)

SURGERY

Repair and replacement of deep vein valves in the treatment of venous insufficiency. Wilson NM, et al. **Br J Surg** 1991 Apr;78(4):388-94 (89 ref.)

[Restorative-reconstructive surgery of the valve system of deep veins of the lower extremities] Sukovatykh BS, et al. **Vestn Khir** 1991 Jan;146(1):136-40 (31 ref.) **(Rus)**

THERAPY

[Chronic venous insufficiency today (a status determination)] Leu HJ. **Vasa** 1990;19(3):195-202 (21 ref.) (Eng. Abstr.) **(Ger)**

VENOUS PRESSURE, CENTRAL see **CENTRAL VENOUS PRESSURE**

VENOUS THROMBOSIS see **THROMBOPHLEBITIS**

VENOVENOUS HEMOFILTRATION see **HEMOFILTRATION**

VENTILATION

Ventilation of sheep and goat barns. Collins ER Jr. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):635-54 (9 ref.)

STANDARDS

Prevention of nosocomial aspergillosis. Rhame FS. **J Hosp Infect** 1991 Jun;18 Suppl A:466-72 (24 ref.)

VENTILATION, HIGH-FREQUENCY see **HIGH-FREQUENCY VENTILATION**

VENTILATION, INTERMITTENT POSITIVE-PRESSURE see **INTERMITTENT POSITIVE-PRESSURE VENTILATION**

VENTILATION, MECHANICAL see **RESPIRATION, ARTIFICIAL**

VENTILATION TESTS see **RESPIRATORY FUNCTION TESTS**

VENTILATOR WEANING

Management of ventilator dependency following heart surgery. Sivak ED. **Semin Thorac Cardiovasc Surg** 1991 Jan;3(1):53-62 (65 ref.)

[Therapy of respiratory insufficiency] Benzer H. **Klin Anasthesiol Intensivther** 1991;39:215-78; discussion 333-9 (67 ref.) **(Ger)**

[Weaning and chest wall mechanics] Suwa K. **Nippon Kyobu Shikkan Gakkai Zasshi** 1991 Mar; 29(3):307-11 (14 ref.) (Eng. Abstr.) **(Jpn)**

METHODS

Weaning from mechanical ventilation: current controversies. Knebel AR. **Heart Lung** 1991 Jul;20(4):321-31 (61 ref.)

Weaning patients from mechanical ventilation. How to avoid difficulty. Tobin MJ. **Postgrad Med** 1991 Jan;89(1):171-3, 176-8 (21 ref.)

Weaning from mechanical ventilation. Coates NE, et al. **Surg Clin North Am** 1991 Aug;71(4):859-76 (115 ref.)

Assisted ventilation. 4. Weaning from mechanical ventilation. Goldstone J, et al. **Thorax** 1991 Jan;46(1):56-62 (74 ref.)

VENTILATORS, MECHANICAL

Patient and ventilator work of breathing and ventilatory muscle loads at different levels of pressure support ventilation. Banner MJ, et al. **Chest** 1991 Aug;100(2):531-3 (10 ref.)

Ventilatory strategies in the management of the adult respiratory distress syndrome. Stoller JK, et al. **Clin Chest Med** 1990 Dec;11(4):755-72 (114 ref.)

[Technical bases of mechanical ventilation] Baum M. **Klin Anasthesiol Intensivther** 1991;39:185-200 (0 ref.) **(Ger)**

[Intermittent ventilation--a new therapy in chronic respiratory failure (see comments)] Laier-Groeneveld G, et al. **Med Klin** 1991 May 15;86(5):255-8 (14 ref.) Comment in: Med Klin 1991 May 15;86(5):269-70. **(Ger)**

[Humidification of inspired air in respiratory therapy of newborn infants] Hanssler L, et al. **Monatsschr Kinderheilkd** 1990 Oct;138(10):692-5 (30 ref.) (Eng. Abstr.) **(Ger)**

CLASSIFICATION

Mechanical ventilation [published erratum appears in DICP 1990 Dec;24(12):1236] Barbarash RA, et al. **DICP** 1990 Oct; 24(10):959-70 (50 ref.)

VETERINARY

Clinical use of positive-pressure ventilation in the horse. Shawley RV, et al. **Vet Clin North Am Equine Pract** 1990 Dec;6(3):575-85 (16 ref.)

VENTILATORS, MECHANICAL, WEANING see **VENTILATOR WEANING**

VENTILATORS, NEGATIVE-PRESSURE

Assisted ventilation. 5. Non-invasive and domiciliary ventilation: negative pressure techniques. Shneerson JM. **Thorax** 1991 Feb;46(2):131-5 (20 ref.)

VENTILATORS, PULMONARY see **VENTILATORS, MECHANICAL**

VENTILATORS, PULMONARY, NEGATIVE-PRESSURE see **VENTILATORS, NEGATIVE-PRESSURE**

VENTILATORS, PULMONARY, WEANING see **VENTILATOR WEANING**

VENTILATORY MUSCLES see **RESPIRATORY MUSCLES**

VENTRAL HERNIA see **HERNIA, VENTRAL**

VENTRICLE-ASSIST DEVICE see **HEART-ASSIST DEVICES**

VENTRICULAR EJECTION FRACTION see **STROKE VOLUME**

VENTRICULAR END-DIASTOLIC VOLUME see **STROKE VOLUME**

VENTRICULAR END-SYSTOLIC VOLUME see **STROKE VOLUME**

VENTRICULAR FIBRILLATION

DIAGNOSIS

[Spectral analysis of the ECG for detecting late potentials as risk factors of life-threatening cardiac arrhythmias] Haberl R, et al. **Klin Wochenschr** 1990 Aug 2;68(15):744-9 (26 ref.) (Eng. Abstr.) **(Ger)**

[Rhabdomyolysis, ventricular fibrillation and respiratory insufficiency as a form of presentation of type-I renal tubular acidosis] Jiménez Saenz M, et al. **An Med Interna** 1989 Jul;6(7):369-72 (12 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Reassessment of benefit-risk ratio and treatment algorithms for antiarrhythmic drug therapy after the cardiac arrhythmia suppression trial. Anderson JL. **J Clin Pharmacol** 1990 Nov;30(11):981-9 (47 ref.)

PHYSIOPATHOLOGY

[Recording late ventricular potentials during examination of patients with high risk of sudden death] Shushliapin OI, et al. **Kardiologiia** 1990 Nov;30(11):106-8 (31 ref.) **(Rus)**

THERAPY

The automatic implantable cardioverter-defibrillator: current status and future directions. Mirowski M, et al. **Cardiologia** 1990 Jan;35(1 Suppl):79-83 (26 ref.)

Ventricular tachycardia/fibrillation: therapeutic alternatives. Fisher JD, et al. **PACE** 1991 Feb;14(2 Pt 2):370-5 (44 ref.)

ULTRASONOGRAPHY

[Usefulness of echocardiography in the diagnosis of the causes of arterial embolism] Drążkiewicz T, et al. **Pol Tyg Lek** 1990 Nov 5-12;45(45-46):934-5 (13 ref.) **(Pol)**

VENTRICULAR FUNCTION

see related
HEART FUNCTION TESTS

PHYSIOLOGY

Ventricular function in the elderly. Rengo F, et al. **Aging (Milano)** 1991 Mar;3(1):9-17 (55 ref.)

Ventricular function. Is the total more than the sum of the parts? Brutsaert DL, et al. **Circulation** 1991 Apr; 83(4):1444-9 (59 ref.)

Electrophysiological basis of ventricular late potentials. el-Sherif N, et al. **PACE** 1990 Dec;13(12 Pt 2):2140-7 (20 ref.)

[Definition and measurement values of acute respiratory insufficiency: pulmonary circulation, cardiac function] Scheidegger D. **Klin Anasthesiol Intensivther** 1991; 39:109-20; discussion 169-82 (29 ref.) **(Ger)**

[Sudden cardiac death and late ventricular potentials] Ivanov GT, et al. **Anesteziol Reanimatol** 1991 May-Jun;(3):46-9 (71 ref.) **(Rus)**

[Programmed electric stimulation of the ventricles in the assessment of electric instability of the myocardium in patients with ischemic heart disease] Kaik Iu, et al. **Ter Arkh** 1991;63(1):129-33 (86 ref.) **(Rus)**

[Philosophy of the premature ventricular complex (an "electrocardiographic jewel"): what is it? how is it originated? what does it mean?] Moncada Moneu A. **Rev Clin Esp** 1991 Feb;188(2):88-99 (78 ref.) **(Spa)**

VENTRICULAR FUNCTION, LEFT

Myocardial contractile performance during acute coronary occlusion with special emphasis on nonoccluded regions. Hexeberg E, et al. **Acta Physiol Scand Suppl** 1991; 599:99-107 (56 ref.)

Doppler ultrasound in assessing systolic left ventricular function in cardiovascular patients. Salmasi AM, et al. **Int Angiol** 1990 Jan-Mar;9(1):29-37 (38 ref.)

[Evaluation of diastolic left ventricular function using pulsed Doppler echocardiography] Vítovec M, et al. **Vnitr Lek** 1990 Oct;36(10):1011-7 (32 ref.) (Eng. Abstr.) **(Cze)**

[Dilated cardiomyopathy with deep, completely reversible dysfunction of the left heart in alcoholic patients. Report of 2 cases] Marette P, et al. **Arch Mal Coeur** 1990 Nov; 83(12):1843-7; discussion 1853 (10 ref.) (Eng. Abstr.) **(Fre)**

[Ventricular "remodeling" after myocardial infarction] Cohen-Solal A, et al. **Arch Mal Coeur Vaiss** 1991 Jun; 84(6):847-53 (60 ref.) (Eng. Abstr.) **(Fre)**

[Results of surgery in mitral valve insufficiency with impaired left ventricular function] Delahaye JP, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84(1):19-24 (28 ref.) (Eng. Abstr.) **(Fre)**

[Additional contribution of high amplification electrocardiography in the follow-up of children with muscular dystrophy] Grinneiser D, et al. **Arch Mal Coeur Vaiss** 1991 May;84(5):727-32 (13 ref.) (Eng. Abstr.) **(Fre)**

[Isolated impairement of the regional filling of the left ventricle in the coronary patient with normal systolic function. A study by isotopic ventriculography during rest] Pézard P, et al. **Arch Mal Coeur Vaiss** 1991 Jan;84(1):63-9 (27 ref.) (Eng. Abstr.) **(Fre)**

[Regression of left ventricular hypertrophy with antihypertensive treatment] Galinier M, et al. **Presse Med** 1990 Nov 10;19(37):1715-9 (54 ref.) (Eng. Abstr.) **(Fre)**

[Survival and functional results after valve replacement] Amano K. **Kokyu To Junkan** 1990 Oct;38(10):951-61 (50 ref.) **(Jpn)**

[Doppler echocardiographic evaluation of the diastolic function in the left ventricule] Weitzel LH, et al. **Arq Bras Cardiol** 1990 Feb;54(2):147-56 (99 ref.) **(Por)**

[Stratification of the risk after acute myocardial infarct. Dysfunction of the left ventricle after acute myocardial infarction. Value of radionuclide angiography] de Sá ME, et al. **Rev Port Cardiol** 1991 Feb;10(2):173-7 (18 ref.) **(Por)**

[Stratification of the risk after myocardial infarction. Bidimensional echocardiography in the assessment of left ventricular dysfunction in acute myocardial infarction] Pais F. **Rev Port Cardiol** 1991 Jan;10(1):59-64 (20 ref.) **(Por)**

DRUG EFFECTS

Left ventricular dilatation and failure post-myocardial infarction: pathophysiology and possible pharmacologic interventions. Firth BG, et al. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1363-74 (89 ref.)

Therapeutic approaches affecting diastolic ventricular function. Warren SE, et al. **Herz** 1991 Feb;16(1):33-45 (93 ref.)

Regression of cardiac hypertrophy and left ventricular pumping ability postregression. Frohlich ED. **J Cardiovasc Pharmacol** 1991;17 Suppl 2:S81-6 (52 ref.)

Comparison of lisinopril and captopril in the treatment of left ventricular congestive heart failure--influence of duration of action on efficacy and safety. Giles TD. **Z Kardiol** 1991;80 Suppl 2:35-9 (15 ref.)

[The left ventricular diastolic function in patients with hypertension and calcium inhibitors] Abassade P, et al. **Ann Cardiol Angeiol (Paris)** 1991 Feb;40(2):89-96 (46 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Ambulatory monitoring of left ventricular function: a new modality for assessing silent myocardial ischemia. Zaret BL, et al. **Adv Cardiol** 1990;37:105-16 (18 ref.)

Left ventricular remodeling after acute myocardial infarction: clinical course and beneficial effects of angiotensin-converting enzyme inhibition. Lamas GA, et al. **Am Heart J** 1991 Apr;121(4 (Pt 1):1194-202 (53 ref.)

Left ventricular function after coronary bypass surgery. Bourassa MG. **Cardiovasc Clin** 1991;21(2):227-37 (49 ref.)

Left ventricular dilatation and failure post-myocardial infarction: pathophysiology and possible pharmacologic interventions. Firth BG, et al. **Cardiovasc Drugs Ther** 1990 Oct;4(5):1363-74 (89 ref.)

Echocardiographic Doppler evaluation of left ventricular diastolic function. Physics and physiology. Thomas JD, et al. **Circulation** 1991 Sep;84(3):977-90 (89 ref.)

Is pulsed Doppler echocardiography an adequate method to evaluate left ventricular function during filling in hypertensive patients? Diebold B, et al. **Eur Heart J** 1990 Nov;11 Suppl G:79-86 (39 ref.)

Diastolic function in left ventricular hypertrophy: clinical and experimental relationships. Lorell BH, et al. **Eur Heart J** 1990 Nov;11 Suppl G:54-64 (55 ref.)

Coupling between the left ventricle and arterial system in hypertension. O'Rourke M. **Eur Heart J** 1990 Nov;11 Suppl G:24-8 (23 ref.)

Left ventricular diastolic function in hypertrophic cardiomyopathy. Bonow RO. **Herz** 1991 Feb;16(1):13-21 (57 ref.)

Radionuclide ventriculography in the assessment of diastolic function in hypertension. Fouad-Tarazi FM. **Herz** 1990 Dec;15(6):393-8 (37 ref.)

Congestive heart failure in patients with normal left ventricular systolic function: a manifestation of diastolic dysfunction. Gaasch WH. **Herz** 1991 Feb;16(1):22-32 (91 ref.)

Invasive evaluation of left ventricular diastolic performance. Little WC, et al. **Herz** 1990 Dec;15(6):362-76 (83 ref.)

Ventricular diastole and the role of the pericardium. Tyberg JV, et al. **Herz** 1990 Dec;15(6):354-61 (49 ref.)

The evaluation of diastolic function in arterial hypertension: how and why? Marabotti C, et al. **J Nucl Med Allied Sci** 1990 Apr-Jun;34(2):103-10 (59 ref.)

Exercise training in patients with impaired left ventricular function. Smith LK. **Med Sci Sports Exerc** 1991 Jun; 23(6):654-60 (14 ref.)

Pharmacological and other nonexercise alternatives to exercise testing to evaluate myocardial perfusion and left ventricular function with radionuclides. DePuey EG, et al. **Semin Nucl Med** 1991 Apr;21(2):92-101 (67 ref.)

Effect of mitral annuloplasty ring in left ventricular function. David TE. **Semin Thorac Cardiovasc Surg** 1989 Oct; 1(2):144-8 (22 ref.)

Timing of cardiac surgery in chronic mitral valve disease: implications of natural history studies and left ventricular mechanics. Peterson KL. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):106-17 (62 ref.)

Role of the mitral subvalvular apparatus in left ventricular systolic mechanics. Sarris GE, et al. **Semin Thorac Cardiovasc Surg** 1989 Oct;1(2):133-43 (63 ref.)

[Relaxation and diastolic filling of the left ventricle] Herpin D, et al. **Ann Cardiol Angeiol (Paris)** 1991 Mar;40(3):153-61 (50 ref.) (Eng. Abstr.) **(Fre)**

[Study of left ventricular filling by gamma-angiography and echocardiography] Ollivier JP, et al. **Arch Mal Coeur** 1990 Nov;83(12):1817-21 (12 ref.) (Eng. Abstr.) **(Fre)**

[Effects of heart rate increase by transesophageal stimulation on the left ventricular filling in the normal subject. A pulsed echo-Doppler study] Roul G, et al. **Arch Mal Coeur Vaiss** 1991 Feb;84(2):189-94 (20 ref.) (Eng. Abstr.) **(Fre)**

[Left ventricular diastolic function. Doppler-echocardiography study] Roudaut R, et al. **Presse Med** 1991 May 18;20(19):903-7 (14 ref.) (Eng. Abstr.) **(Fre)**

[Echocardiographic and Doppler echocardiographic characterization of left ventricular diastolic function] Muscholl M, et al. **Herz** 1990 Dec;15(6):377-92 (91 ref.) (Eng. Abstr.) **(Ger)**

[Arrhythmogenic right ventricular disease] Wichter T, et al. **Z Kardiol** 1991 Feb;80(2):107-25 (169 ref.) (Eng. Abstr.) **(Ger)**

VENTRICULAR FUNCTION, RIGHT

PHYSIOLOGY

Right ventricular dysfunction in chronic obstructive pulmonary disease. Evaluation and management. Klinger JR, et al. **Chest** 1991 Mar;99(3):715-23 (68 ref.)

Right ventricular performance in adult respiratory distress syndrome. Dhainaut JF, et al. **Eur Respir J Suppl** 1990 Oct;11:490s-495s (35 ref.)

[Conventional and Doppler echocardiography in the differential diagnosis of right heart failure] Josephs W, et al. **Bildgebung** 1990;57(1-2):5-10 (34 ref.) (Eng. Abstr.) **(Ger)**

VENTRICULAR INFLOW OBSTRUCTION see **VENTRICULAR OUTFLOW OBSTRUCTION**

VENTRICULAR OUTFLOW OBSTRUCTION

SURGERY

Left ventricular outflow tract obstruction in children. Salley RK. **Cardiol Clin** 1991 May;9(2):381-96 (61 ref.)

VENTRICULAR OUTFLOW OBSTRUCTION, LEFT see **VENTRICULAR OUTFLOW OBSTRUCTION**

VENTRICULAR OUTFLOW OBSTRUCTION, RIGHT see **VENTRICULAR OUTFLOW OBSTRUCTION**

VENTRICULOGRAPHY, CEREBRAL see **CEREBRAL VENTRICULOGRAPHY**

VENTRICULOGRAPHY, FIRST-PASS

see related
GATED BLOOD-POOL IMAGING

INSTRUMENTATION

Radionuclide methods for cardiac output determination. Fouad-Tarazi FM, et al. **Eur Heart J** 1990 Dec;11 Suppl I:33-40 (54 ref.)

First passage radionuclide cardiography for determination of cardiac output: a critical analysis. Wenting GJ, et al. **Eur Heart J** 1990 Dec;11 Suppl I:41–8 (33 ref.)

VENTRICULOGRAPHY, GATED RADIONUCLIDE see **GATED BLOOD-POOL IMAGING**

VENTRICULOGRAPHY, RADIONUCLIDE see **RADIONUCLIDE VENTRICULOGRAPHY**

VENTURICIDINS

CHEMICAL SYNTHESIS

[The use of microbial and enzymatic function in organic synthesis. Total synthesis of the aglycone of venturicidins A and B] Akita H. **Yakugaku Zasshi** 1990 Nov; 110(11):789–806 (33 ref.) (Eng. Abstr.) **(Jpn)**

VERAPAMIL

ADVERSE EFFECTS

[Tachycardia with wide ventricular complex—hazards in acute therapy] Meesmann M, et al. **Med Klin** 1991 Mar 15;86(3):152–6 (39 ref.) **(Ger)**

PHARMACOKINETICS

Drug interchanges at the pharmacy: safe for cardiovascular disease? McCue JD. **Hosp Pract (Off Ed)** 1991 Jul 15; 26(7):23–4, 29, 32 (9 ref.)

PHARMACOLOGY

Role of calcium channel blockers in protection against experimental renal injury. Schrier RW. **Am J Med** 1991 May 17;90(5A):21S–26S (15 ref.)

[Calcium antagonists and the digestive system] Kula Z, et al. **Wiad Lek** 1990 Jun 15;43(12):578–82 (40 ref.) **(Pol)**

POISONING

[Massive delayed-action verapamil poisoning] Hagège A, et al. **Arch Mal Coeur** 1990 Oct;83(11):1745–7 (11 ref.) (Eng. Abstr.) **(Fre)**

[Acute verapamil poisoning. 6 cases. Review of the literature] Sauder P, et al. **J Toxicol Clin Exp** 1990 Jul–Aug; 10(4):261–70 (37 ref.) (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Effects of long-term verapamil therapy on serum lipids and other metabolic parameters. Midtbø KA. **Am J Cardiol** 1990 Dec 18;66(21):131–151 (27 ref.)

Improvement of cadaver renal transplantation outcomes with verapamil: a review. Dawidson I, et al. **Am J Med** 1991 May 17;90(5A):37S–41S (8 ref.)

Verapamil and migraine prophylaxis: mechanisms and efficacy. Markley HG. **Am J Med** 1991 May 17; 90(5A):48S–53S (57 ref.)

Verapamil in the treatment of schizophrenia. Wells BG. **DICP** 1990 Sep;24(9):838–40 (26 ref.)

Calcium-channel blockers in postmyocardial infarction patients with special notation to the Danish verapamil infarction trial II. Gheorghiade M, et al. **Prog Cardiovasc Dis** 1991 Jul–Aug;34(1):37–43 (34 ref.)

VERBAL BEHAVIOR

see related
LANGUAGE DISORDERS
SPEECH DISORDERS

Structure and stimulation in the ontogeny of spoken language. Locke JL. **Dev Psychobiol** 1990 Nov; 23(7):621–43 (150 ref.)

Correspondence training: review and current issues. Baer RA. **Res Dev Disabil** 1990;11(4):379–93 (33 ref.)

PHYSIOLOGY

The components and neuroanatomic bases of prosody. Merewether FC, et al. **J Commun Disord** 1990 Aug–Oct; 23(4–5):325–36 (70 ref.)

VERBAL LEARNING

see related
LANGUAGE DISORDERS

Language lateralization in bilinguals: enough already! Paradis M. **Brain Lang** 1990 Nov;39(4):576–86 (50 ref.)

A review of the tip-of-the-tongue experience. Brown AS. **Psychol Bull** 1991 Mar;109(2):204–23 (95 ref.)

Word identification in reading and the promise of subsymbolic psycholinguistics. Van Orden GC, et al. **Psychol Rev** 1990 Oct;97(4):488–522 (350 ref.)

VERMIFUGES see **ANTHELMINTICS**

VERNER-MORRISON SYNDROME see **DIARRHEOGENIC TUMOR**

VERRUCA see **WARTS**

VERSION, FETAL

External cephalic version at term: how high are the stakes? [comment] Hofmeyr GJ. **Br J Obstet Gynaecol** 1991 Jan; 98(1):1–3 (18 ref.) Comment on: Br J Obstet Gynaecol 1991 Jan;98(1):8–13.

METHODS

[Fetal shoulder dystocia] Chernukha EA, et al. **Akush Ginekol (Mosk)** 1991 May;(5):11–3 (41 ref.) **(Rus)**

VERTEBRAL ANKYLOSING HYPEROSTOSIS see **HYPEROSTOSIS, DIFFUSE IDIOPATHIC SKELETAL**

VERTEBRAL ARTERY

Investigation of the vertebral artery in cerebral atherosclerosis. Ackerstaff RG, et al. **Eur J Vasc Surg** 1991 Jun;5(3):229–35 (61 ref.)

ABNORMALITIES

Magnetic resonance imaging of vertebrobasilar ectasia in tic convulsif. Case report. Harsh GR 4th, et al. **J Neurosurg** 1991 Jun;74(6):999–1003 (22 ref.)

Surgical treatment of a rare congenital anomaly of the vertebral artery: case report and review of the literature. Vincentelli F, et al. **Neurosurgery** 1991 Mar;28(3):416–20 (42 ref.)

ANATOMY & HISTOLOGY

Gross morphology and pathoanatomy of the vertebral arteries. Thiel HW. **J Manipulative Physiol Ther** 1991 Feb; 14(2):133–41 (89 ref.)

INJURIES

Carotid and vertebral artery injury in survivors of atlanto-occipital dislocation: case reports and literature review. Lee C, et al. **J Trauma** 1991 Mar;31(3):401–7 (35 ref.)

[A case of incarceration of the vertebral and basilar arteries in a longitudinal fracture of the clivus] Sato H, et al. **No Shinkei Geka** 1990 Dec;18(12):1147–50 (16 ref.) (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

[Paralysis of the right arm caused by vertebral arteriovenous fistula] Riss JM, et al. **Rev Neurol (Paris)** 1990; 146(11):706–10 (25 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Surgical treatment of a rare congenital anomaly of the vertebral artery: case report and review of the literature. Vincentelli F, et al. **Neurosurgery** 1991 Mar;28(3):416–20 (42 ref.)

[Surgical reconstruction of the proximal vertebral artery: vertebral to subclavian transposition] Ogawa A. **No Shinkei Geka** 1991 Jan;19(1):7–13 (47 ref.) **(Jpn)**

VERTEBRAL ARTERY INSUFFICIENCY see **VERTEBROBASILAR INSUFFICIENCY**

VERTEBRATE VIRUSES

DRUG EFFECTS

Therapy of viral infections of the central nervous system. Griffin DE. **Antiviral Res** 1991 Jan;15(1):1–10 (69 ref.)

Recent developments in antiviral agents: an overview. Nagarajan R, et al. **Hindustan Antibiot Bull** 1989 Aug–Nov; 31(3–4):90–113 (134 ref.)

GENETICS

Virus vector-mediated gene transfer. Levine AJ. **Microbiol Sci** 1987 Aug;4(8):245–50 (38 ref.)

GROWTH & DEVELOPMENT

Production of viral vaccines in stirred bioreactors. Shevitz J, et al. **Adv Biotechnol Processes** 1990;14:1–35 (120 ref.)

Human pathogenic viruses and parasites: emerging pathogens in the water cycle. West PA. **Soc Appl Bacteriol Symp Ser** 1991;20:107S–114S (91 ref.)

IMMUNOLOGY

Association of viruses with antigen-presenting cells: implications for the outcome of infection. Barnett B, et al. **Microbiol Sci** 1987 Mar;4(3):91–5 (30 ref.)

New approaches in viral vaccine development. Brown F. **Scand J Infect Dis Suppl** 1990;76:39–46 (23 ref.)

ISOLATION & PURIFICATION

Applications of nucleic acid probes in veterinary infectious diseases. Paul PS. **Vet Microbiol** 1990 Sep;24(3–4):409–17 (61 ref.)

[Veterinary medicine and molecular biology: possibilities and limits of virus detection] Pauli U, et al. **Schweiz Arch Tierheilkd** 1991;133(1):35–42 (31 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Interaction between parasite and tick vector. Friedhoff KT. **Int J Parasitol** 1990 Jul;20(4):525–35 (54 ref.)

Defective interfering viruses: modulators of infection. Dimmock NJ. **Microbiol Sci** 1985 Jan;2(1):1–7 (36 ref.)

VERTEBRATES

Melanin-concentrating hormone: a general vertebrate neuropeptide. Baker BI. **Int Rev Cytol** 1991;126:1–47 (117 ref.)

ANATOMY & HISTOLOGY

Comparative aspects of the endocrine myocardium. Aardal S, et al. **Acta Physiol Scand Suppl** 1991;599:31–46 (183 ref.)

[Retino-hypothalamic pathways in vertebrates] Tilgner S, et al. **Klin Monatsbl Augenheilkd** 1990 Oct;197(4):295–301 (131 ref.) (Eng. Abstr.) **(Ger)**

[The limbic system and the problem of the evolution of the vertebrate hindbrain] Belekhova MG. **Zh Evol Biokhim Fiziol** 1990 Jul–Aug;26(4):537–49 (78 ref.) **(Rus)**

[Modern concepts of the structural evolution of the nervous system exemplified by the vertebrate visual system] Repérant J, et al. **Zh Evol Biokhim Fiziol** 1990 Jul–Aug; 26(4):514–36 (87 ref.) **(Rus)**

EMBRYOLOGY

Cholinesterases preceding major tracts in vertebrate neurogenesis. Layer PG. **Bioessays** 1990 Sep;12(9):415–20 (47 ref.)

Ontogeny and phylogeny: a re-evaluation of conceptual relationships and some applications. Northcutt RG. **Brain Behav Evol** 1990;36(2–3):116–40 (120 ref.)

Cell lineage in vertebrate development. Blau HM, et al. **Curr Opin Cell Biol** 1990 Dec;2(6):981–5 (31 ref.)

Pattern formation in vertebrate limbs. Eichele G. **Curr Opin Cell Biol** 1990 Dec;2(6):975–80 (11 ref.)

GENETICS

From gene to chromosome: organization levels defined by the interplay of transcription and replication in vertebrates. Herbomel P. **New Biol** 1990 Nov;2(11):937–45 (73 ref.)

Phosphorylation of elongation factor 2: a key mechanism regulating gene expression in vertebrates. Ryazanov AG, et al. **New Biol** 1990 Oct;2(10):843–50 (64 ref.)

Vertebrate protamine genes and the histone-to-protamine replacement reaction. Oliva R, et al. **Prog Nucleic Acid Res Mol Biol** 1991;40:25–94 (287 ref.)

IMMUNOLOGY

The evolution of inducible defence. Harvell CD. **Parasitology** 1990;100 Suppl:S53–61 (61 ref.)

METABOLISM

Cyclic GMP and calcium: the internal messengers of excitation and adaptation in vertebrate photoreceptors. Pugh EN Jr, et al. **Vision Res** 1990;30(12):1923–48 (140 ref.)

MICROBIOLOGY

The "merry-go-round": alphaviruses between vertebrate and invertebrate cells. Koblet H. **Adv Virus Res** 1990; 38:343–402 (396 ref.)

PARASITOLOGY

Role of regulatory peptides in parasitic platyhelminths and their vertebrate hosts: possible novel factors in host-parasite interactions. Shaw C, et al. **Parasitology** 1991; 102 Suppl:S93–105 (63 ref.)

PHYSIOLOGY

Prostaglandins, oviducal function, and parturient behavior in nonmammalian vertebrates. Guillette LJ Jr, et al. **Am J Physiol** 1991 May;260(5 Pt 2):R854–61 (72 ref.)

Mechanoreceptor modulation of endogenous respiratory rhythms in vertebrates. Milsom WK. **Am J Physiol** 1990 Nov;259(5 Pt 2):R898–910 (102 ref.)

Chemoreceptor modulation of endogenous respiratory rhythms in vertebrates. Smatresk NJ. **Am J Physiol** 1990 Nov;259(5 Pt 2):R887–97 (115 ref.)

Ontogeny of cardiovascular and respiratory physiology in lower vertebrates. Burggren WW, et al. **Annu Rev Physiol** 1991;53:107–35 (150 ref.)

Intermittent breathing in vertebrates. Milsom WK. **Annu Rev Physiol** 1991;53:87–105 (78 ref.)

Sensory transduction in eukaryotes. A comparison between Dictyostelium and vertebrate cells. Van Haastert PJ, et al. **Eur J Biochem** 1991 Jan 30;195(2):289–303 (334 ref.)

Developmental changes in acetylcholine receptor channel properties of vertebrate skeletal muscle. Kidokoro Y. **Ion Channels** 1988;1:163–82 (57 ref.)

Ultrastructure of sperm, spermiogenesis, and sperm–egg interactions in selected invertebrates and lower vertebrates which use external fertilization. Koch RA, et al. **J Electron Microsc Tech** 1990 Oct;16(2):115–54 (129 ref.)

Studies on the mechanism of olfactory transduction in vertebrates. Gold GH, et al. **Neurosci Res Suppl** 1990;

12:S127-34 (10 ref.)
Omega-conotoxin-sensitive voltage-operated calcium channels in vertebrate cells. Sher E, et al. **Neuroscience** 1991;42(2):301-7 (81 ref.)
Melatonin: time in a bottle. Cassone VM. **Oxf Rev Reprod Biol** 1990;12:319-67 (268 ref.)
Neurophysiological actions of 5-hydroxytryptamine in the vertebrate nervous system. Anwyl R. **Prog Neurobiol** 1990; 35(6):451-68 (141 ref.)
Effects of melatonin on vertebrate circadian systems. Cassone VM. **Trends Neurosci** 1990 Nov;13(11):457-64 (62 ref.)
Calcium and the mechanism of light adaptation in vertebrate photoreceptors. Fain GL, et al. **Trends Neurosci** 1990 Sep; 13(9):378-84 (68 ref.)
[The long-term storage of spermatozoa and its role in vertebrate fertilization] Maksudov Glu. **Biol Nauki** 1991; (2):57-64 (22 ref.) (Eng. Abstr.) **(Rus)**

VERTEBROBASILAR INSUFFICIENCY

COMPLICATIONS

Investigation of the vertebral artery in cerebral atherosclerosis. Ackerstaff RG, et al. **Eur J Vasc Surg** 1991 Jun;5(3):229-35 (61 ref.)
[Headache in orthopedic consultation] Müller G. **Z Arzti Fortbild (Jena)** 1991 Jan 25;85(1-2):53-4 (0 ref.) **(Ger)**

DIAGNOSIS

[Vertebrobasilar circulatory disorders. Diagnosis--pathogenesis--therapy] Stillhard G. **Schweiz Med Wochenschr** 1990 Nov 17;120(46):1709-23 (89 ref.) (Eng. Abstr.) **(Ger)**

VERTICAL DIMENSION

Vertical changes in high mandibular plane cases following enucleation of second premolars. Garlington M, et al. **Angle Orthod** 1990 Winter;60(4):263-7; discussion 267-8 (13 ref.)
Vertical skeletal change associated with Andresen, Harvold, and Begg treatment. Ball JV, et al. **Eur J Orthod** 1991 Feb;13(1):47-52 (26 ref.)
Relationship of occlusal vertical dimension to the health of the masticatory system. Rivera-Morales WC, et al. **J Prosthet Dent** 1991 Apr;65(4):547-53 (81 ref.)
[Changes in the posterior vertical dimension of the face. Etiopathogenic factors, architectural criteria and therapeutic aspects] Mercier J, et al. **Orthod Fr** 1989;60 Pt 2:575-82 (4 ref.) (Eng. Abstr.) **(Fre)**
[The therapeutic impact of the Begg technic on vertical dimension] Méry J, et al. **Orthod Fr** 1989;60 Pt 2:861-71 (22 ref.) (Eng. Abstr.) **(Fre)**

VERTICILLIUM see HYPHOMYCETES

VERTIGO

COMPLICATIONS

Migraine and the vestibular system in adults. Parker W. **Am J Otol** 1991 Jan;12(1):25-34 (43 ref.)

DIAGNOSIS

Current diagnostic techniques in vestibular disorders. Oosterveld WJ. **Acta Otolaryngol Suppl (Stockh)** 1991; 479:29-34 (28 ref.)
Posture in otoneurology. Volume II. Norré ME. **Acta Otorhinolaryngol Belg** 1990;44(3):183-363 (1429 ref.)
Audiologic tests in the differential diagnosis of vertigo. Page JM. **Otolaryngol Clin North Am** 1973 Feb;6(1):53-71 (36 ref.)

DRUG THERAPY

Histamine in the treatment of vertigo. Fischer AJ. **Acta Otolaryngol Suppl (Stockh)** 1991;479:24-8 (41 ref.)

ETIOLOGY

The diagnosis and management of vertigo. Kumar A, et al. **Compr Ther** 1990 Dec;16(12):56-66 (10 ref.)
[Benign pseudovestibular cerebellar infarction] Masson C, et al. **Ann Med Interne (Paris)** 1990;141(5):480-2 (10 ref.) **(Fre)**
[Vertigo of traumatic origin] Savary P. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(5):479-83 (21 ref.) (Eng. Abstr.) **(Fre)**
[Illusion of visual tilt: a case] Cohen L, et al. **Rev Neurol (Paris)** 1991;147(5):389-91 (18 ref.) (Eng. Abstr.) **(Fre)**
[Differential diagnosis and therapy of vertigo of vertebral origin] Seifert K. **Laryngorhinootologie** 1990 Jul;69(7):394-7 (35 ref.) (Eng. Abstr.) **(Ger)**
[Neurovascular cross-compression as a cause of severe vertigo and surgical treatment] Sakaki T. **No Shinkei Geka** 1991 Jun;19(6):501-10 (46 ref.) **(Jpn)**

PHYSIOPATHOLOGY

[The physiopathology of vertigo] Denia Lafuente A. **Ann Otolaryngol Chir Cervicofac** 1990;107 Suppl 1:7-10 (18 ref.) (Eng. Abstr.) **(Fre)**
[The eye and vertigo] Höh H. **Med Monatsschr Pharm** 1990 Dec;13(12):362-71 (39 ref.) **(Ger)**

SURGERY

Surgical control of vertigo in Ménière's disease. McKee GJ, et al. **Clin Otolaryngol** 1991 Apr;16(2):216-27 (144 ref.)
Surgical treatment of vertigo. Brackmann DE. **J Laryngol Otol** 1990 Nov;104(11):849-59 (88 ref.)

VERTIGO, AURAL see MENIERE'S DISEASE

VERY LOW DENSITY LIPOPROTEINS see LIPOPROTEINS, VLDL

VESICAL CALCULI see BLADDER CALCULI

VESICANTS see IRRITANTS

VESICATION see BLISTER

VESICO-URETERAL REFLUX

Vesicoureteric reflux and renal injury. Arant BS Jr. **Am J Kidney Dis** 1991 May;17(5):491-511 (199 ref.)

COMPLICATIONS

Paleonephrology and reflux nephropathy. From the 'big bang' to end-stage renal disease. Kallen RJ. **Am J Dis Child** 1991 Aug;145(8):860-4 (55 ref.)
Reflections on 30 years of treating children with urinary tract infections. Smellie JM. **J Urol** 1991 Aug;146(2 (Pt 2)):665-8 (20 ref.)
Vesico-uretero-renal reflux and the kidney. Olbing H. **Pediatr Nephrol** 1987 Oct;1(4):638-46 (74 ref.)

ETIOLOGY

[Vesicorenal reflux and ureteral duplication. Study of 62 cases] Dore B, et al. **J Urol (Paris)** 1990;96(6):303-10 (23 ref.) (Eng. Abstr.) **(Fre)**
[Reflux--nephropathy in children] Paunova SS. **Pediatriia** 1991;(4):101-5 (88 ref.) **(Rus)**

SURGERY

Surgical aspects of primary vesico-ureteric reflux. Cass DT. **J Paediatr Child Health** 1990 Aug;26(4):180-3 (35 ref.)

THERAPY

[The endoscopic correction of vesicoureteral reflux by the insufflation of a teflon paste] Chepurov AK, et al. **Urol Nefrol (Mosk)** 1990 Nov-Dec;(6):63-8 (84 ref.) **(Rus)**

VESICOSTOMY see CYSTOSTOMY

VESICOVAGINAL FISTULA

CONGENITAL

[Congenital vesicovaginal fistula. Commentary and review of the literature apropos of a case] Lefort G, et al. **Chir Pediatr** 1990;31(2):96-9 (8 ref.) (Eng. Abstr.) **(Fre)**

VESICULAR SKIN DISEASES see SKIN DISEASES, VESICULOBULLOUS

VESICULAR STOMATITIS VIRUS

GENETICS

Structure and function of the RNA polymerase of vesicular stomatitis virus. Banerjee AK, et al. **Adv Virus Res** 1990; 38:99-124 (100 ref.)
Interactions between small viral RNAs of vesicular stomatitis virus and components of cellular gene expression. Keene JD. **Microbiol Sci** 1985 May;2(5):152-6 (29 ref.)

GROWTH & DEVELOPMENT

Photosensitization of cultured cells and viruses by pyrene lipids. Gatt S, et al. **Indian J Biochem Biophys** 1990 Dec; 27(6):359-62 (23 ref.)

VESICULOBULLOUS SKIN DISEASES see SKIN DISEASES, VESICULOBULLOUS

VESPID VENOMS see WASP VENOMS

VESTIBULAR APPARATUS see VESTIBULE

VESTIBULAR DISEASES

COMPLICATIONS

Testing of vestibular function: an adjunct in the assessment of chronic fatigue syndrome. Furman JM. **Rev Infect Dis** 1991 Jan-Feb;13 Suppl 1:S109-11 (10 ref.)

PATHOLOGY

Vestibular neuronitis. Clemis JD, et al. **Otolaryngol Clin North Am** 1973 Feb;6(1):139-55 (40 ref.)

PHYSIOPATHOLOGY

Posture in otoneurology. Volume I. Norré ME. **Acta Otorhinolaryngol Belg** 1990;44(2):55-181 (0 ref.)
[Vestibular compensation. Review of the literature and clinical applications] de Waele C, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(5):285-98 (52 ref.) (Eng. Abstr.) **(Fre)**

SURGERY

Surgical management of perilymph fistulas. A new technique. Black FO, et al. **Arch Otolaryngol Head Neck Surg** 1991 Jun;117(6):641-8 (54 ref.)

THERAPY

[Manual therapy in the combined treatment of patients with vertebral vestibular dysfunction] Likhachev SA, et al. **Vrach Delo** 1991 Jun;(6):20-4 (34 ref.) **(Rus)**

VESTIBULAR FUNCTION TESTS

Current diagnostic techniques in vestibular disorders. Oosterveld WJ. **Acta Otolaryngol Suppl (Stockh)** 1991; 479:29-34 (28 ref.)
Vestibular testing in hearing loss. Marsh MA, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):447-71 (57 ref.)
Testing of vestibular function: an adjunct in the assessment of chronic fatigue syndrome. Furman JM. **Rev Infect Dis** 1991 Jan-Feb;13 Suppl 1:S109-11 (10 ref.)
[Galvanic vestibular stimulation] Sázel M. **Cesk Fysiol** 1991; 40(1):43-60 (156 ref.) **(Cze)**

VESTIBULAR NERVE

PHYSIOLOGY

Neuronal events paralleling functional recovery (compensation) following peripheral vestibular lesions. Precht W, et al. **Rev Oculomot Res** 1985;1:251-68 (0 ref.)

VESTIBULAR NUCLEI

ANATOMY & HISTOLOGY

Structural-functional relationships in cerebellar and vestibular systems. Ito M. **Arch Ital Biol** 1991 Jan; 129(1):53-61 (30 ref.)
The anatomy of the vestibular nuclei. Highstein SM, et al. **Rev Oculomot Res** 1988;2:177-202 (122 ref.)

EMBRYOLOGY

A general theory concerning the prenatal origins of cerebral lateralization in humans. Previc FH. **Psychol Rev** 1991 Jul; 98(3):299-334 (590 ref.)

PHYSIOLOGY

Vestibulospinal and neck reflexes: interaction in the vestibular nuclei. Wilson VJ. **Arch Ital Biol** 1991 Jan;129(1):43-52 (44 ref.)
Vestibulo-ocular, cervico-ocular, and visuo-ocular reflexes. Baloh RW. **Bull Soc Belge Ophtalmol** 1989;237:35-66 (99 ref.)
Commissural vestibular nuclear coupling: a powerful putative site for producing adaptive change. Galiana HL. **Rev Oculomot Res** 1985;1:327-39 (0 ref.)
Cooperative functions of vestibular nuclei neurons and floccular Purkinje cells in the control of nystagmus slow phase velocity: single cell recordings and lesion studies in the monkey. Waespe W, et al. **Rev Oculomot Res** 1985; 1:233-50 (0 ref.)
[Vestibular compensation. Review of the literature and clinical applications] de Waele C, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(5):285-98 (52 ref.) (Eng. Abstr.) **(Fre)**

VESTIBULE

BLOOD SUPPLY

The vascular anatomy of the vestibular labyrinth in man. Mazzoni A. **Acta Otolaryngol Suppl (Stockh)** 1990;472:1-83 (28 ref.)

IMMUNOLOGY

[Cogan syndrome. Case report, review of the literature, therapy] Wilder-Smith E, et al. **Laryngorhinootologie** 1991 Feb;70(2):90-2 (16 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Posture in otoneurology. Volume I. Norré ME. **Acta Otorhinolaryngol Belg** 1990;44(2):55-181 (0 ref.)
Changes in alpha motoneuron excitability of the soleus muscle in relation to vestibular stimulation assessed by angular acceleration in man. Scarpini C, et al. **ORL J Otorhinolaryngol Relat Spec** 1991;53(2):100-5 (35 ref.)
Neurotransmitter and neuromodulator systems involved in vestibular compensation. Flohr H, et al. **Rev Oculomot Res** 1985;1:269-77 (0 ref.)
Plasticity in the vestibulo-ocular and optokinetic reflexes following modification of canal input. Paige GD.

Rev Oculomot Res 1985;1:145–53 (0 ref.)
Neuronal events paralleling functional recovery (compensation) following peripheral vestibular lesions. Precht W, et al. **Rev Oculomot Res** 1985;1:251–68 (0 ref.)
[Vestibular compensation. Review of the literature and clinical applications] de Waele C, et al. **Ann Otolaryngol Chir Cervicofac** 1990;107(5):285–98 (52 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Posture in otoneurology. Volume II. Norré ME. **Acta Otorhinolaryngol Belg** 1990;44(3):183–363 (1429 ref.)
The geriatric auditory and vestibular systems. Kennedy R, et al. **Otolaryngol Clin North Am** 1990 Dec;23(6):1075–82 (42 ref.)
Sudden infant death syndrome and possible relation to vestibular function. Farrimond T. **Percept Mot Skills** 1990 Oct;71(2):419–23 (31 ref.)

ULTRASTRUCTURE

Carbohydrates of the vestibular end organs. An ultrastructural study using gold-labeled lectins. Takumida M, et al. **ORL J Otorhinolaryngol Relat Spec** 1991; 53(2):86–90 (14 ref.)

VESTIBULO-OCULAR REFLEX see **REFLEX, VESTIBULO-OCULAR**

VESTIBULOPLASTY

METHODS

Mandibular vestibuloplasty. Experimental and clinical studies. Hillerup S. **Dan Med Bull** 1991 Apr;38(2):97–113 (171 ref.)

VETERANS

PSYCHOLOGY

Validity issues in research on Vietnam veteran adjustment. King DW, et al. **Psychol Bull** 1991 Jan;109(1):107–24 (112 ref.)

VETERINARY MEDICINE

see related
ANIMAL DISEASES

Mycotoxin research in the Hungarian Central Veterinary Institute. Sándor G, et al. **Acta Vet Hung** 1990;38(1–2):61–8 (29 ref.)
Alpha-2 adrenoceptor agonists: defining the role in clinical anesthesia. Maze M, et al. **Anesthesiology** 1991 Mar; 74(3):581–605 (316 ref.)
Implications of genetic markers and maps for veterinary medicine. Troyer DL, et al. **J Am Vet Med Assoc** 1990 Nov 15;197(10):1376–80 (35 ref.)
Implementation of nutritional consultation within a dairy practice. Gerloff BJ. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):621–8 (3 ref.)
The role of private practitioners in accelerated lambing. Matthews D. **Vet Clin North Am Food Anim Pract** 1990 Nov;6(3):585–95 (20 ref.)
Behavioral medicine as a part of a comprehensive small animal medical program. Burghardt WF Jr. **Vet Clin North Am Small Anim Pract** 1991 Mar; 21(2):343–52 (32 ref.)
Bats in the surgery: a practitioner's guide. Routh A. **Vet Rec** 1991 Apr 6;128(14):316–8 (15 ref.)
[Veterinary dentistry (1). Introduction to and review of dentistry in companion animals] van Foreest A. **Tijdschr Diergeneeskd** 1991 Jun 1;116(11):551–7 (32 ref.) (Eng. Abstr.) **(Dut)**
[Veterinary pathology: a vital specialism within veterinary medicine] Vos JH, et al. **Tijdschr Diergeneeskd** 1991 Jul 1;116(13):677–83 (66 ref.) (Eng. Abstr.) **(Dut)**

METHODS

Nuclear medicine artifacts and image quality. Daniel GB. **Semin Vet Med Surg (Small Anim)** 1991 May;6(2):119–30 (21 ref.)
Nuclear medicine equipment. O'Callaghan MW. **Semin Vet Med Surg (Small Anim)** 1991 May;6(2):108–18 (9 ref.)
A veterinary approach to leeches [see comments] Cooper JE. **Vet Rec** 1990 Sep 1;127(9):226–8 (38 ref.) Comment in: Vet Rec 1990 Sep 8;127(10):268.
[DNA diagnosis in veterinary medicine: II. Polymerase chain reaction (PCR)] Hübscher U. **Schweiz Arch Tierheilkd** 1991;133(1):27–31 (23 ref.) (Eng. Abstr.) **(Ger)**

VIBRATION

Physiological reactions during brush saw operation. Bovenzi M, et al. **Int Arch Occup Environ Health** 1990;62(6):445–9 (25 ref.)
Cellular harmonic information transfer through a tissue tensegrity-matrix system. Pienta KJ, et al. **Med Hypotheses** 1991 Jan;34(1):88–95 (80 ref.)
Transient vibrations caused by heel strike [see comments] Smeathers JE. **Proc Inst Mech Eng [H]** 1989;203(4):181–6 (9 ref.) Comment in: Proc Inst Mech Eng [H] 1990;204(2):135–7.
Response of the human body to impact dynamics and vibration. Smeathers JE, et al. **Proc Inst Mech Eng [H]** 1989;203(4):179–80 (11 ref.)

ADVERSE EFFECTS

Lessons from hand-arm vibration syndrome research. Wasserman DE, et al. **Am J Ind Med** 1991;19(4):539–46 (33 ref.)
Clinical implications of vibration-induced changes in the lumbar spine. Hansson T, et al. **Orthop Clin North Am** 1991 Apr;22(2):247–53 (51 ref.)

VIBRIO

CLASSIFICATION

A case of Vibrio vulnificus septicaemia acquired in Victoria. Maxwell EL, et al. **Med J Aust** 1991 Feb 4;154(3):214–5 (4 ref.)

GENETICS

The nucleotide sequence of 5 S ribosomal RNA from Vibrio marinus. MacDonell MT, et al. **Microbiol Sci** 1984 Dec; 1(9):229–31 (6 ref.)

METABOLISM

Regulation of plasmid-mediated iron transport and virulence in Vibrio anguillarum. Tolmasky ME, et al. **Biol Met** 1991; 4(1):33–5 (17 ref.)
The phenomenon of toxin secretion by vibrios and aeromonads. Hirst TR, et al. **Experientia** 1991 May 15; 47(5):429–31 (28 ref.)
The Na(+)-motive respiratory chain of marine bacteria. Tokuda H, et al. **Microbiol Sci** 1985;2(3):65–6, 69–71 (27 ref.)

VIBRIO CHOLERAE

see related
CHOLERA TOXIN

CLASSIFICATION

Non-O group 1 Vibrio cholerae: a look at the epidemiology of an occasional pathogen. Morris JG Jr. **Epidemiol Rev** 1990;12:179–91 (85 ref.)

VIBRIO COMMA see **VIBRIO CHOLERAE**

VIBRIO FETUS see **CAMPYLOBACTER FETUS**

VIBRIO INFECTIONS

COMPLICATIONS

A successfully treated case of Vibrio vulnificus septicemia with shock. Kikawa K, et al. **Jpn J Med** 1990 May-Jun; 29(3):313–9 (44 ref.)

TRANSMISSION

A case of Vibrio vulnificus septicaemia acquired in Victoria. Maxwell EL, et al. **Med J Aust** 1991 Feb 4;154(3):214–5 (4 ref.)

VIBRIO PARAHAEMOLYTICUS

PATHOGENICITY

Pathogenic Escherichia coli, Yersinia enterocolitica, and Vibrio parahaemolyticus. Doyle MP. **Lancet** 1990 Nov 3; 336(8723):1111–5 (15 ref.)

PHYSIOLOGY

Surface-induced swarmer cell differentiation of Vibrio parahaemolyticus. McCarter L, et al. **Mol Microbiol** 1990 Jul;4(7):1057–62 (26 ref.)

VIBRIONACEAE

Spectrum of Aeromonas and Plesiomonas infections in patients with cancer and AIDS. Rolston KV, et al. **Experientia** 1991 May 15;47(5):437–9 (11 ref.)

CLASSIFICATION

Ribosomal RNA phylogenies for the vibrio-enteric group of eubacteria. MacDonell MT, et al. **Microbiol Sci** 1986 Jun;3(6):172–5, 178 (25 ref.)

GROWTH & DEVELOPMENT

Aeromonas and Plesiomonas as food- and waterborne pathogens. Wadström T, et al. **Int J Food Microbiol** 1991 Apr;12(4):303–11 (37 ref.)

ISOLATION & PURIFICATION

Plesiomonas shigelloides--associated diarrhea. Yeh TJ, et al. **Chung Hua I Hsueh Tsa Chih** 1991 May;47(5):362–8 (35 ref.)

METABOLISM

Biochemical characteristics and plasmids of clinical and environmental Plesiomonas shigelloides. Kelly MT, et al. **Experientia** 1991 May 15;47(5):439–41 (8 ref.)
Zymomonas ethanol fermentations. Rogers PL, et al. **Microbiol Sci** 1984 Sep;1(6):133–6 (31 ref.)

VIDARABINE

ANALOGS & DERIVATIVES

Fludarabine: a review. Hood MA, et al. **DICP** 1991 May; 25(5):518–24 (62 ref.)
New purine analogues for the treatment of chronic B-cell malignancies. Gribbin TE. **Henry Ford Hosp Med J** 1991; 39(2):98–102 (33 ref.)

THERAPEUTIC USE

Natural history and treatment of varicella-zoster in high-risk populations. Gnann JW, et al. **J Hosp Infect** 1991 Jun;18 Suppl A:317–29 (100 ref.)

VIDARABINE MONOPHOSPHATE see **ARABINOFURANOSYLADENINE MONOPHOSPHATE**

VIDEO DISPLAY TERMINALS see **COMPUTER TERMINALS**

VIDEO GAMES see **PLAY AND PLAYTHINGS**

VIDEO RECORDING

Video endoscopy, the electronic endoscopy unit and integrated imaging. Sivak MV Jr. **Baillieres Clin Gastroenterol** 1991 Mar;5(1):1–18 (8 ref.)
The presentation of expert testimony via live audio-visual communication. Miller RD. **Bull Am Acad Psychiatry Law** 1991;19(1):5–20 (34 ref.)
Image quality and radiation levels in videofluoroscopy for swallowing studies: a review [see comments] Beck TJ, et al. **Dysphagia** 1990;5(3):118–28 (6 ref.) Comment in: Dysphagia 1990;5(3):117.
Perceptual-components architecture for digital video. Watson AB. **J Opt Soc Am [A]** 1990 Oct;7(10):1943–54 (100 ref.)
Microcirculatory pathways and blood flow in spleen: new insights from washout kinetics, corrosion casts, and quantitative intravital videomicroscopy. Groom AC, et al. **Scanning Microsc** 1991 Mar;5(1):159–73; discussion 173–4 (55 ref.)
Detectors for fluorescence microscopy. Spring KR. **Scanning Microsc** 1991 Mar;5(1):63–9 (16 ref.)

TRENDS

Video applications: past, present, and future. Huer MB, et al. **ASHA** 1990 Nov;32(11):57–60, 68 (29 ref.)

VIDEOTAPE RECORDING

Review and videotape recognition of idiopathic restless legs syndrome. Walters AS, et al. **Mov Disord** 1991;6(2):105–10 (39 ref.)

STANDARDS

Electroencephalographic (EEG) video monitoring. Erlichman M. **Health Technol Assess Rep** 1990;(4):1–14 (46 ref.)

VIDINE see **CHOLINE**

VIGILANCE, CORTICAL see **AROUSAL**

VIMENTIN

ANALYSIS

Neurocytogenesis and tumor development in the rat. Giordana MT. **J Neurosurg Sci** 1990 Jul-Dec; 34(3–4):167–70 (23 ref.)

VINBLASTINE

ANALOGS & DERIVATIVES

Vinorelbine (Navelbine). A new semisynthetic vinca alkaloid. Krikorian A, et al. **Onkologie** 1991 Feb;14(1):7–12 (22 ref.)

VINCA ALKALOIDS

PHARMACOLOGY

Vinca alkaloids. Grindey GB. **Curr Opin Oncol** 1989 Dec; 1(2):203–5 (15 ref.)
[Trend in the development of new inhibitors of cyclic nucleotide metabolism and their clinical application] Hidaka H, et al. **Nippon Rinsho** 1991 Apr;49(4):961–7 (13 ref.) **(Jpn)**

THERAPEUTIC USE

Antitumor antibiotics, epipodophyllotoxins, and vinca

VINCA ALKALOIDS

alkaloids: clinical developments. Brenner DE. **Curr Opin Oncol** 1990 Dec;2(6):1115–8 (16 ref.)

VINCALEUKOBLASTINE see VINBLASTINE

VINCRISTINE

ADVERSE EFFECTS

Intrathecal vincristine: a fatal chemotherapeutic error with devastating central nervous system effects. Bain PG, et al. **J Neurol** 1991 Jul;238(4):230–4 (35 ref.)

THERAPEUTIC USE

[Experience with cytostatic therapy of stomach cancer] Kuklis B, et al. **Orv Hetil** 1991 Aug 4;132(31):1691–4 (29 ref.) (Eng. Abstr.) **(Hun)**

[Ultrastructural changes in thrombocytes of patients with idiopathic thrombocytopenic purpura during the treatment with vincristine] Vashkinel VK, et al. **Gematol Transfuziol** 1991 Apr;36(4):15–9 (36 ref.) (Eng. Abstr.) **(Rus)**

VINYL CHLORIDE

ADVERSE EFFECTS

[Mutagenic and carcinogenic effects of vinyl chloride monomers in humans] Fučić A, et al. **Arh Hig Rada Toksikol** 1991 Mar;42(1):65–72 (47 ref.) (Eng. Abstr.) **(Scr)**

VINYL CHLORIDE POLYMER see POLYVINYL CHLORIDE

VIOLENCE

Violence and unrestrained behavior in adolescents. Marohn RC. **Adolesc Psychiatry** 1990;17:419–32 (65 ref.)

Temper tantrums. Leung AK, et al. **Am Fam Physician** 1991 Aug;44(2):559–63 (13 ref.)

What children can tell us about living in danger. Garbarino J, et al. **Am Psychol** 1991 Apr;46(4):376–83 (33 ref.)

Serotonin in early onset, male alcoholics with violent behaviour. Virkkunen M, et al. **Ann Med** 1990;22(5):327–31 (55 ref.)

Self-esteem as a factor in social and domestic violence. Rosen I. **Br J Psychiatry** 1991 Jan;158:18–23 (11 ref.)

Post-Tarasoff legal developments and the mental health literature. Kaufman M. **Bull Menninger Clin** 1991 Summer; 55(3):308–22 (46 ref.)

Children's observations of violence: I. Critical issues in child development and intervention planning. Jaffe PG, et al. **Can J Psychiatry** 1990 Aug;35(6):466–70 (37 ref.)

Management of the violent patient. Therapeutic and legal considerations. Rice MM, et al. **Emerg Med Clin North Am** 1991 Feb;9(1):13–30 (101 ref.)

Love and violence: gender paradoxes in volatile attachments. Goldner V, et al. **Fam Process** 1990 Dec;29(4):343–64 (34 ref.)

Violence by psychiatric inpatients: a review. Davis S. **Hosp Community Psychiatry** 1991 Jun;42(6):585–90 (68 ref.)

Alcohol and crimes of violence: present issues. Murdoch D, et al. **Int J Addict** 1990 Sep;25(9):1065–81 (60 ref.)

Treatment of destructive behaviors in persons with developmental disabilities. **J Autism Dev Disord** 1990 Sep; 20(3):403–29; discussion 431–2 (0 ref.)

Women, violent crime and the menstrual cycle: a review [see comments] Vanezis P. **Med Sci Law** 1991 Jan;31(1):11–4 (19 ref.) Comment in: Med Sci Law 1991 Apr;31(2):183.

Summary thoughts about drugs and violence. Collins JJ. **NIDA Res Monogr** 1990;103:265–75 (23 ref.)

The interrelationships between alcohol and drugs and family violence. Miller BA. **NIDA Res Monogr** 1990;103:177–207 (86 ref.)

Gangs, drugs, and violence. Moore J. **NIDA Res Monogr** 1990;103:160–76 (35 ref.)

Terrorism and biological weapons: inevitable alliance? Zilinskas RA. **Perspect Biol Med** 1990 Autumn;34(1):44–72 (46 ref.)

Violent patients. Are you prepared to deal with them? Blumenreich P, et al. **Postgrad Med** 1991 Aug;90(2):201–6 (12 ref.)

The doctor's health. Violence and safety. Hobbs R. **Practitioner** 1990 Nov;234(1496):979–82 (4 ref.)

Evidence that lack of brain dopamine during development can increase the susceptibility for aggression and self-injurious behavior by influencing D1-dopamine receptor function. Breese GR, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990;14 Suppl:S65–80 (52 ref.)

A possible role of proopiomelanocortin peptides in self-injurious behavior. Herman BH. **Prog Neuropsychopharmacol Biol Psychiatry** 1990;14 Suppl:S109–39 (144 ref.)

The behavioral neurobiology of self-injurious behavior in rhesus monkeys. Kraemer GW, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1990;14 Suppl:S141–68 (74 ref.)

A review of pharmacological agents for self-injurious behavior. Luchins DJ. **Prog Neuropsychopharmacol Biol Psychiatry** 1990;14 Suppl:S169–79 (38 ref.)

Neurology of aggression and episodic dyscontrol. Elliott FA. **Semin Neurol** 1990 Sep;10(3):303–12 (80 ref.)

State violence and health in Nigeria. Alubo SO. **Soc Sci Med** 1990;31(10):1075–84 (81 ref.)

Male abuse of a married or cohabiting female partner: the application of sociological theory to research findings. Ellis D. **Violence Vict** 1989 Winter;4(4):235–55 (95 ref.)

Crime at home and in the streets: the relationship between family and stranger violence. Fagan J, et al. **Violence Vict** 1987 Spring;2(1):5–23 (110 ref.)

Contributions of family violence research to criminal justice policy on wife assault: paradigms of science and social control. Fagan J. **Violence Vict** 1988 Fall;3(3):159–86 (130 ref.)

Stakes and risks in the prediction of violent criminal behavior. Gottfredson DM, et al. **Violence Vict** 1988 Winter; 3(4):247–62 (92 ref.)

Violence prediction methods: statistical and clinical strategies. Gottfredson SD, et al. **Violence Vict** 1988 Winter; 3(4):303–24 (120 ref.)

An analysis of risk markers in husband to wife violence: the current state of knowledge. Hotaling GT, et al. **Violence Vict** 1986 Summer;1(2):101–24 (90 ref.)

New directions in violence prediction: the public health arena. Mercy JA, et al. **Violence Vict** 1988 Winter; 3(4):285–301 (75 ref.)

Predictions of dangerousness: an argument for limited use. Miller M, et al. **Violence Vict** 1988 Winter;3(4):263–83 (60 ref.)

Sexual conquest and patterns of black-on-black violence: a structural-cultural perspective. Oliver W. **Violence Vict** 1989 Winter;4(4):257–73 (105 ref.)

[Sexual violence as a sociomedical problem] Vasilev D. **Akush Ginekol (Sofiia)** 1990;29(4):67–71 (12 ref.) (Eng. Abstr.) **(Bul)**

[Violent behavior among hospitalized psychiatric patients. 1. Occurrence and psychopathology] Benjaminsen S. **Ugeskr Laeger** 1991 Aug 5;153(32):2217–20 (30 ref.) (Eng. Abstr.) **(Dan)**

[Violent behavior among hospitalized psychiatric patients. 2. The significance of the functioning of the department and the reactions of the staff] Benjaminsen S. **Ugeskr Laeger** 1991 Aug 5;153(32):2221–5 (30 ref.) (Eng. Abstr.) **(Dan)**

[Abuse and violence against the elderly] Hugonot R. **Bull Acad Natl Med** 1990 Jun–Jul;174(6):813–20; discussion 820–1 (12 ref.) (Eng. Abstr.) **(Fre)**

[Presentation of violence in the media and its effects on children and adolescents] Selg H. **Z Kinder Jugenpsychiatr** 1990 Sep;18(3):152–6 (29 ref.) **(Ger)**

[Influence of violence in television programs of viewers' violence—a critical review] Shemesh E, et al. **Harefuah** 1991 Mar 1;120(5):283–6 (35 ref.) **(Heb)**

[Causes and significance of violent group behavior of adolescents] Rossi E. **Minerva Pediatr** 1990 Sep; 42(9):337–42 (59 ref.) **(Ita)**

VIPER VENOMS

ANALYSIS

Disintegrins: a family of integrin inhibitory proteins from viper venoms. Gould RJ, et al. **Proc Soc Exp Biol Med** 1990 Nov;195(2):168–71 (32 ref.)

VIPOMA see DIARRHEOGENIC TUMOR

VIRAL ANTIBODIES see ANTIBODIES, VIRAL

VIRAL ANTIGENS see ANTIGENS, VIRAL

VIRAL COAT PROTEINS see CAPSID

VIRAL CORE PROTEINS

METABOLISM

Background paper. Functions of the coronavirus nucleocapsid protein. Masters PS, et al. **Adv Exp Med Biol** 1990;276:235–8 (15 ref.)

VIRAL DNA see DNA, VIRAL

VIRAL ENVELOPE PROTEINS

CHEMISTRY

Antigenic and structural properties of mutants in herpes simplex virus 1 glycoprotein B. Pereira L, et al. **Adv Exp Med Biol** 1990;278:165–82 (60 ref.)

GENETICS

Regulation of expression of the glycoprotein genes of herpes simplex virus type 1 (HSV-1). Levine M, et al. **Adv Exp Med Biol** 1990;278:151–64 (51 ref.)

IMMUNOLOGY

Background paper. Mapping epitopes on coronavirus glycoproteins. Laude H. **Adv Exp Med Biol** 1990; 276:139–42 (6 ref.)

B and T cell epitopes of glycoprotein D of herpes simplex virus type 1. Welling-Webster S, et al. **FEMS Microbiol Immunol** 1991 Apr;3(2):59–68 (75 ref.)

Interactions of hepatitis B virus with hepatocytes: mechanism and clinical relevance. Theilmann L, et al. **Hepatogastroenterology** 1991 Feb;38(1):10–3 (58 ref.)

Immunosuppressive actions of retroviruses. Good RA, et al. **Lymphology** 1990 Jun;23(2):56–9 (28 ref.)

Immune response to hepatitis B virus proteins: relevance of the murine model. Milich DR. **Semin Liver Dis** 1991 May; 11(2):93–112 (133 ref.)

METABOLISM

Background paper: functions of coronavirus glycoproteins. Holmes KV, et al. **Adv Exp Med Biol** 1990;276:5–7 (2 ref.)

Human cytomegalovirus glycoprotein-receptor interactions. Rasmussen L, et al. **Transplant Proc** 1991 Jun;23(3 Suppl 3):60–3 (8 ref.)

VIRAL EYE INFECTIONS see EYE INFECTIONS, VIRAL

VIRAL FUSION GLYCOPROTEINS see VIRAL FUSION PROTEINS

VIRAL FUSION PROTEINS

METABOLISM

[Proteolytic processing of viral glycoproteins and its significance for viral pathogenicity] Nagai Y. **Tanpakushitsu Kakusan Koso** 1990 Oct;35(13):2211–22 (94 ref.) **(Jpn)**

VIRAL GENE EXPRESSION REGULATION see GENE EXPRESSION REGULATION, VIRAL

VIRAL GENE PRODUCTS see VIRAL PROTEINS

VIRAL GENE PROTEINS see VIRAL PROTEINS

VIRAL GENES see GENES, VIRAL

VIRAL GENOMES see GENES, VIRAL

VIRAL HEPATITIS VACCINES

Production in yeast versus mammalian cells of the first recombinant DNA human vaccine and its proved safety, efficacy, and economy: hepatitis B vaccine. Stephenne J. **Adv Biotechnol Processes** 1990;14:279–99 (32 ref.)

Vaccines against hepatitis A and B. Zuckerman AJ. **Baillieres Clin Gastroenterol** 1990 Sep;4(3):775–88 (28 ref.)

Prophylactic treatment regimens for the prevention of hepatitis A. Current concepts. Kendall BJ, et al. **Drugs** 1991 Jun;41(6):883–8 (39 ref.)

Subunit, recombinant and synthetic hepatitis B vaccines. Zuckerman AJ. **Microbiol Sci** 1985 May;2(5):129–30, 133–8 (39 ref.)

Public health control of HBV: worldwide HBV vaccination programme. Gust I. **Prog Clin Biol Res** 1991;364:333–42 (7 ref.)

Prevention and therapy of viral hepatitis. Katkov WN, et al. **Semin Liver Dis** 1991 May;11(2):165–74 (80 ref.)

Recent advances in hepatitis A vaccine development. Siegl G, et al. **Virus Res** 1990 Oct;17(2):75–92 (76 ref.)

[Current status of the use of domestic hematologic hepatitis B vaccine] Wang G. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1990 Jul; 24(4):238–40 (23 ref.) **(Chi)**

ADMINISTRATION & DOSAGE

Therapeutic advances in the prevention of hepatitis B: yeast-derived recombinant hepatitis B vaccines. Garrison MW, et al. **DICP** 1991 Jun;25(6):617–27 (61 ref.)

Intradermal hepatitis B vaccination. Rivey MP, et al. **DICP** 1991 Jun;25(6):628–34 (43 ref.)

[Hepatitis B virus infection and pregnancy: diagnostic screening and immune prevention] Gerken G, et al. **Gynakologe** 1991 Jun;24(3):125–8 (20 ref.) **(Ger)**

[Active and passive prevention of viral hepatitis] Jilg W. **Internist (Berl)** 1991 May;32(5):249–55 (30 ref.) **(Ger)**

CHEMICAL SYNTHESIS

Quality assessment of DNA vaccines: hepatitis-B vaccine. Peetermans JH. **J Pharm Biomed Anal** 1989;7(2):227–32 (5 ref.)

IMMUNOLOGY

Concepts of idiotype-based vaccines for hepatitis B virus and human immunodeficiency virus. Kennedy RC, et al. **Can J Microbiol** 1990 Nov;36(11):811–6 (31 ref.)

Inactivated candidate vaccines for hepatitis A. André FE, et al. **Prog Med Virol** 1990;37:72–95 (54 ref.)

Prospects for a hepatitis A virus vaccine. Flehmig B, et al. **Prog Med Virol** 1990;37:56–71 (72 ref.)

New picornavirus vaccines for hepatitis A, and lessons from the control of poliomyelitis by the prototype picornavirus vaccines. Melnick JL. **Prog Med Virol** 1990;37:47–55 (72 ref.)

Immunogenicity of low-dose intradermal recombinant DNA hepatitis B vaccine. Parish DC, et al. **South Med J** 1991

Apr;84(4):426–30 (37 ref.)
[Hepatitis B protective inoculation. The problem of inadequate anti-HB production] Dennhöfer L. **Dtsch Med Wochenschr** 1990 Oct 12;115(41):1560–5 (50 ref.) **(Ger)**
[Hepatitis B at an open institution for the mentally retarded. Immunogenic effect of a recombinant anti-hepatitis-B vaccine] García O, et al. **Enferm Infecc Microbiol Clin** 1990 Mar;8(3):148–52 (39 ref.) (Eng. Abstr.) **(Spa)**
[Vaccines against the hepatitis B virus. The outstanding problems] Carreño V, et al. **Rev Clin Esp** 1990 Oct; 187(5):247–8 (17 ref.) **(Spa)**

ISOLATION & PURIFICATION

Hepatitis B virus proteins eliciting protective immunity. Neurath AR, et al. **Microbiol Sci** 1987 Feb;4(2):45–51 (26 ref.)
[Hepatitis A, B, C, ...: current developments] Lavanchy D. **Rev Med Suisse Romande** 1991 Mar;111(3):199–203 (27 ref.) **(Fre)**

VIRAL INSERTIONAL MUTAGENESIS see **MUTAGENESIS, INSERTIONAL**

VIRAL INTERFERENCE

see related
INTERFERONS

Host–parasite interactions: recent developments in the genetics of abortive phage infections. Molineux IJ. **New Biol** 1991 Mar;3(3):230–6 (48 ref.)

VIRAL M PROTEINS see **VIRAL MATRIX PROTEINS**

VIRAL MATRIX PROTEINS

METABOLISM

Background paper. Coronavirus M and HE: two peculiar glycoproteins. Rottier PJ. **Adv Exp Med Biol** 1990;276:91–4 (0 ref.)

VIRAL ONCOGENE PROTEINS see **ONCOGENE PROTEINS, VIRAL**

VIRAL PROTEINS

ANALYSIS

Recent advances in the identification of significant human cytomegalovirus-encoded proteins. Britt WJ. **Transplant Proc** 1991 Jun;23(3 Suppl 3):64–9, discussion 69 (19 ref.)

BIOSYNTHESIS

Interferon-induced proteins and the antiviral state. Staeheli P. **Adv Virus Res** 1990;38:147–200 (214 ref.)

CHEMISTRY

[Polypeptides of African swine fever virus] Kolontsov AA. **Mol Gen Mikrobiol Virusol** 1990 Jun;(6):3–7 (35 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Expression of a plant virus-coded transport function by different viral genomes. Atabekov JG, et al. **Adv Virus Res** 1990;38:201–48 (218 ref.)
Learning from the immune system: laboratory methods for creating and refining molecular diversity in polypeptides. Wetzel R. **Protein Eng** 1991 Apr;4(4):371–4 (21 ref.)
Molecular biology of prion diseases. Prusiner SB. **Science** 1991 Jun 14;252(5012):1515–22 (83 ref.)
The scrapie agent and the prion hypothesis. Brunori M, et al. **Trends Biochem Sci** 1988 Aug;13(8):309–13 (54 ref.)

IMMUNOLOGY

Peptide vaccines for viral diseases. Francis MJ. **Sci Prog** 1990; 74(293 Pt 1):115–30 (42 ref.)
Molecular aspects of immune recognition of cytomegalovirus. Koszinowski UH. **Transplant Proc** 1991 Jun;23(3 Suppl 3):70–3, discussion 74 (10 ref.)

METABOLISM

Background paper. Coronavirus M and HE: two peculiar glycoproteins. Rottier PJ. **Adv Exp Med Biol** 1990;276:91–4 (0 ref.)
Glycoproteins encoded by varicella-zoster virus: biosynthesis, phosphorylation, and intracellular trafficking. Grose C. **Annu Rev Microbiol** 1990;44:59–80 (42 ref.)
Proteolytic processing of picornaviral polyprotein. Palmenberg AC. **Annu Rev Microbiol** 1990;44:603–23 (87 ref.)
Posttranslational modification of vaccinia virus proteins. VanSlyke JK, et al. **Curr Top Microbiol Immunol** 1990; 163:185–206 (82 ref.)
[Structural-functional organization of vial proteins by a localized mutagenesis method] Kipriianov SM, et al. **Mol Biol (Mosk)** 1991 Jan–Feb;25(1):5–21 (98 ref.) (Eng. Abstr.) **(Rus)**

VIRAL RNA see **RNA, VIRAL**

VIRAL STRUCTURAL PROTEINS

GENETICS

Molecular biology of rotaviruses. Bellamy AR, et al. **Adv Virus Res** 1990;38:1–43 (155 ref.)

IMMUNOLOGY

Background paper. Progress towards a coronavirus recombinant DNA vaccine. Spaan WJ. **Adv Exp Med Biol** 1990;276:201–3 (0 ref.)

VIRAL TRANSFORMING PROTEINS see **ONCOGENE PROTEINS, VIRAL**

VIRAL TUMOR ANTIGENS see **ANTIGENS, VIRAL, TUMOR**

VIRAL VACCINES

Vaccines against viruses associated with diseases in human central nervous system. Lustig S, et al. **Adv Biotechnol Processes** 1990;14:243–77 (144 ref.)
Subunit vaccines against infection by enveloped viruses. Morein B, et al. **Adv Biotechnol Processes** 1990;14:69–90 (91 ref.)
Novel approaches to picornavirus vaccines. Murdin AD, et al. **Adv Biotechnol Processes** 1990;14:301–23 (127 ref.)
A live varicella vaccine. Takahashi M, et al. **Adv Exp Med Biol** 1990;278:49–58 (22 ref.)
New developments in vaccines. Daum RS, et al. **Adv Pediatr Infect Dis** 1991;6:1–57 (243 ref.)
Problems and prospects for preparation of killed antiviral vaccines. Budowsky EI. **Adv Virus Res** 1991;39:255–90 (114 ref.)
The quest for an AIDS vaccine: the state of the art and current challenges. Kurth R, et al. **AIDS Res Hum Retroviruses** 1991 May;7(5):425–33 (26 ref.)
Recombinant virus vaccines—present status and future prospects. Heinrich HW. **Arch Exp Veterinarmed** 1990; 44(6):849–53 (15 ref.)
Vaccines against viral diarrhoea. Flores J, et al. **Baillieres Clin Gastroenterol** 1990 Sep;4(3):675–93 (77 ref.)
Toward a vaccine against Argentine hemorrhagic fever. Barrera Oro JG, et al. **Bull Pan Am Health Organ** 1991; 25(2):118–26 (63 ref.)
SIV infection of macaques: a model for AIDS vaccine development. Gardner MB. **Dev Biol Stand** 1990;72:259–66 (28 ref.)
Vaccination against feline retroviruses. Jarrett O. **Dev Biol Stand** 1990;72:185–8 (11 ref.)
The modulation of the specific and non-specific host response in case of influenza virus infection and vaccination in man. Süss J, et al. **Exp Pathol** 1991;41(3):121–34 (50 ref.)
Prospects for an HIV-vaccine. Wigzell H. **FASEB J** 1991 Jul;5(10):2406–11 (39 ref.)
Approaches and issues in the development of vaccines against HIV. Berzofsky JA. **J Acquir Immune Defic Syndr** 1991; 4(5):451–9 (91 ref.)
Vaccines and milk immunoglobulin concentrates for prevention of infectious diarrhea. Levine MM. **J Pediatr** 1991 Apr;118(4 (Pt 2)):S129–36 (70 ref.)
Varicella vaccine: case studies. Takahashi M, et al. **Microbiol Sci** 1985 Aug;2(8):249–54 (25 ref.)
Genetically engineered herpesvirus vaccines. Accomplishments in pigs and prospects in humans. Kit S, et al. **Prog Med Virol** 1991;38:128–66 (121 ref.)
Control of acute lower respiratory illness in the developing world: an assessment of vaccine intervention. Karzon DT. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S571–7 (71 ref.)
Vaccines for the prevention of human cytomegalovirus infection. Plotkin SA, et al. **Rev Infect Dis** 1990 Sep–Oct; 12 Suppl 7:S827–38 (47 ref.)
Viral vaccines for the prevention of childhood pneumonia in developing nations: priorities and prospects. Steinhoff MC. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S562–70 (102 ref.)
New approaches in viral vaccine development. Brown F. **Scand J Infect Dis Suppl** 1990;76:39–46 (23 ref.)
Vaccines against STDs: specific considerations? Wigzell H. **Scand J Infect Dis Suppl** 1990;69:207–11 (9 ref.)
Cytomegalovirus vaccine development—past and present. Plotkin SA. **Transplant Proc** 1991 Jun;23(3 Suppl 3):85–9 (10 ref.)
A recombinant subunit vaccine approach to HCMV vaccine development. Spaete RR. **Transplant Proc** 1991 Jun;23(3 Suppl 3):90–6 (39 ref.)
[AIDS: acquired immunodeficiency syndrome] Sener B, et al. **Mikrobiyol Bul** 1989 Oct;23(4):379–87 (14 ref.) (Eng. Abstr.) **(Tur)**

ADMINISTRATION & DOSAGE

Use of combined viral vaccines. Gallili GE. **Adv Biotechnol Processes** 1990;14:147–57 (41 ref.)
Serum albumin beads possessing slow-release properties for vaccines. Newman JF. **Adv Biotechnol Processes** 1990; 14:129–46 (47 ref.)
Prevention of infections of the respiratory tract using the oral application of antigens. Tischner H. **Z Erkr Atmungsorgane** 1991;176(2–3):131–7 (48 ref.)
[Therapy and immunologic prevention of HIV infection] Vogt M, et al. **Internist (Berl)** 1990 Sep;31(9):593–8 (38 ref.) **(Ger)**

BIOSYNTHESIS

Production of Marek's disease vaccine. Ben-Nathan D, et al. **Adv Biotechnol Processes** 1990;14:347–65 (157 ref.)
World Health Organization attitude concerning the use of continuous cell lines as substrates for production of human virus vaccines. Grachev VP. **Adv Biotechnol Processes** 1990;14:37–67 (101 ref.)
Production of viral vaccines in stirred bioreactors. Shevitz J, et al. **Adv Biotechnol Processes** 1990;14:1–35 (120 ref.)
Baculovirus expression vector system for production of viral vaccines. Vlak JM, et al. **Adv Biotechnol Processes** 1990; 14:91–128 (151 ref.)
Designing future vaccines. Brown F. **J Hosp Infect** 1991 Jun; 18 Suppl A:164–9 (2 ref.)

GENETICS

Background paper. Progress towards a coronavirus recombinant DNA vaccine. Spaan WJ. **Adv Exp Med Biol** 1990;276:201–3 (0 ref.)
Genetically engineered vaccines for control of Aujeszky's disease (pseudorabies). Kit S. **Vaccine** 1990 Oct;8(5):420–4 (23 ref.)

IMMUNOLOGY

Concepts of idiotype-based vaccines for hepatitis B virus and human immunodeficiency virus. Kennedy RC, et al. **Can J Microbiol** 1990 Nov;36(11):811–6 (31 ref.)
Conclusions: in pursuit of an AIDS virus vaccine. Hilleman MR. **Immunol Ser** 1989;44:605–20 (43 ref.)
The status of rotavirus vaccines in 1990. Haffejee IE. **J Infect** 1991 Mar;22(2):119–28 (67 ref.)
New picornavirus vaccines for hepatitis A, and lessons from the control of poliomyelitis by the prototype picornavirus vaccines. Melnick JL. **Prog Med Virol** 1990;37:47–55 (72 ref.)
Peptide vaccines for viral diseases. Francis MJ. **Sci Prog** 1990; 74(293 Pt 1):115–30 (42 ref.)
[Rotavirus vaccines] Bektimirov TA. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Dec;(12):94–8 (48 ref.) **(Rus)**
[Vaccines in the biotechnologic era] Mazana J, et al. **Enferm Infecc Microbiol Clin** 1990 Jun–Jul;8(6):368–75 (56 ref.) **(Spa)**

ISOLATION & PURIFICATION

Towards antiviral oligopeptide vaccines. Niesters HG, et al. **Microbiol Sci** 1984 Jun;1(3):55–8 (17 ref.)
Prospects for new viral vaccines. Norrby E. **Microbiol Sci** 1987 Jul;4(7):202–5 (27 ref.)
Developments in foot-and-mouth disease vaccines. Barteling SJ, et al. **Vaccine** 1991 Feb;9(2):75–88 (191 ref.)

PHARMACOLOGY

Secretory antibody response to viral vaccines. Ogra PL, et al. **Prog Med Virol** 1990;37:156–89 (139 ref.)

THERAPEUTIC USE

Recombinant viruses as poultry vaccines. Silva RF, et al. **J Reprod Fertil Suppl** 1990;41:153–62 (41 ref.)
Enteric vaccines. Edelman R, et al. **Md Med J** 1991 Mar; 40(3):199–203 (23 ref.)

VIRAZOLE see **RIBAVIRIN**

VIREMIA

[Retroviruses in human pathology] Radkowski M, et al. **Pol Arch Med Wewn** 1991 May;85(5):312–21 (79 ref.) **(Pol)**

VIRILISM

COMPLICATIONS

Steroid cell tumor of the ovary in a child. Harris AC, et al. **Arch Pathol Lab Med** 1991 Feb;115(2):150–4 (21 ref.)

ETIOLOGY

Virilization in a postmenopausal woman due to ovarian stromal hyperthecosis. Goldman JM, et al. **Postgrad Med J** 1991 Mar;67(785):304–6 (8 ref.)

VIRION

Assembly of hepadnaviral virions and subviral particles. Ganem D. **Curr Top Microbiol Immunol** 1991;168:61–83 (140 ref.)

PHYSIOLOGY

Viruses in fungi and eukaryotic algae: their possible origins and evolution. Ushiyama R. **Microbiol Sci** 1985 Jun; 2(6):181–4 (35 ref.)

VIROLOGY

Some highlights of virus research in 1990. Elliott RM, et al. **J Gen Virol** 1991 Aug;72 (Pt 8):1761–79 (148 ref.)

[35 years of research and study in radiovirology at the Stefan S. Nicolau Institute of Virology] Burducea O. **Rev Roum Virol** 1990 Jul–Dec;41(3–4):157–69 (116 ref.) (Eng. Abstr.) **(Fre)**

METHODS

[Flow cytometry in virologic research] Pshenichnov VA, et al. **Vopr Virusol** 1990 Jul–Aug;35(4):279–83 (85 ref.) **(Rus)**

VIRULENCE

[Environmental modulation of bacterial virulence] Martínez JL. **Enferm Infecc Microbiol Clin** 1990 Dec;8(10):635–42 (83 ref.) **(Spa)**

GENETICS

Genetic basis of virulence in Shigella species. Hale TL. **Microbiol Rev** 1991 Jun;55(2):206–24 (160 ref.)

Genetic mechanisms for modulating virulence determinants on the bacterial surface. Saunders JR. **Sci Prog** 1990;74(295 Pt 3):279–90 (16 ref.)

VIRUS ACTIVATION

Reactivation of latent CMV in the rat. Bruggeman CA. **Transplant Proc** 1991 Jun;23(3 Suppl 3):22–4, discussion 24 (4 ref.)

GENETICS

A review of the molecular mechanism of HSV-1 latency. Fraser NW, et al. **Curr Eye Res** 1991;10 Suppl:1–13 (75 ref.)

VIRUS CULTIVATION

Virological applications of the grid-cell-culture technique. Hyatt AD, et al. **Electron Microsc Rev** 1990;3(1):1–27 (67 ref.)

VIRUS DISEASES

Viruses and motor neuron diseases. Jubelt B. **Adv Neurol** 1991;56:463–72 (64 ref.)

Human, small round structured viruses, caliciviruses and astroviruses. Cubitt WD. **Baillieres Clin Gastroenterol** 1990 Sep;4(3):643–56 (67 ref.)

Viral infections in pregnancy. Morgan-Capner P. **Br J Hosp Med** 1991 Mar;45(3):150, 154–7 (40 ref.)

Herpesviruses and other microorganisms of concern in dentistry. Merchant VA. **Dent Clin North Am** 1991 Apr; 35(2):283–98 (76 ref.)

Viral gastroenteritis. Blacklow NR, et al. **N Engl J Med** 1991 Jul 25;325(4):252–64 (196 ref.)

Viral otitis media. Chonmaitree T. **Pediatr Ann** 1990 Sep; 19(9):522, 524–5, 527, passim (26 ref.)

Sexually transmitted viral disease in women. Peaceman AM, et al. **Postgrad Med** 1991 Feb 1;89(2):133–40 (15 ref.)

The use of molecular techniques in studying viral pathogenesis in the nervous system. Kennedy PG. **Trends Neurosci** 1990 Oct;13(10):424–31 (90 ref.)

[Virus diseases] Matsumoto K. **Nippon Naika Gakkai Zasshi** 1991 Mar 10;80(3):477–81 (7 ref.) **(Jpn)**

[Integral characteristics of experimental viral infections: statistical aspects] Ionov SN, et al. **Vopr Virusol** 1990 Nov–Dec;35(6):448–52 (34 ref.) **(Rus)**

BLOOD

[C-reactive protein in patients with infection] Ahlers AA, et al. **Ugeskr Laeger** 1990 Dec 31;153(1):13–6 (29 ref.) (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Viral infections and allergic disease. Busse WW. **Clin Exp Allergy** 1991 Jan;21 Suppl 1:68–71 (11 ref.)

Immunologic and viral factors in Sjögren's syndrome. Talal N. **Clin Exp Rheumatol** 1990 Jul–Aug;8 Suppl 5:23–6 (26 ref.)

Cutaneous manifestations of bacterial and viral disorders in pregnancy. Smith LG Jr, et al. **Clin Obstet Gynecol** 1990 Dec;33(4):792–800 (25 ref.)

Immunopathology and viral reactivation. A general theory of schizophrenia. Waltrip RW 2d, et al. **J Nerv Ment Dis** 1990 Dec;178(12):729–38 (162 ref.)

On the possible role of viruses in the aetiology of motor neurone disease: a review. Kennedy PG. **J R Soc Med** 1990 Dec;83(12):784–7 (53 ref.)

Childhood exanthems. Old and new. Frieden IJ, et al. **Pediatr Clin North Am** 1991 Aug;38(4):859–87 (131 ref.)

Bacterial tracheitis: report of eight new cases and review. Donnelly BW, et al. **Rev Infect Dis** 1990 Sep–Oct; 12(5):729–35 (42 ref.)

Viral redskins. Hart CA. **Semin Dermatol** 1988 Mar; 7(1):48–52 (28 ref.)

[Respiratory tract infection and acute deterioration of obstructive lung disease] Clementsen PS, et al. **Ugeskr Laeger** 1991 May 6;153(19):1336–9 (30 ref.) (Eng. Abstr.) **(Dan)**

[Acquired erythroblastopenia] Varet B, et al. **Rev Med Interne** 1989 Nov–Dec;10(6):537–40 (69 ref.) **(Fre)**

[Chronic fatigue syndrome] Ewig S, et al. **Klin Wochenschr** 1990 Aug 17;68(16):789–96 (64 ref.) (Eng. Abstr.) **(Ger)**

[Risk factors in systemic vasculitis] Shilkina NP, et al. **Klin Med (Mosk)** 1990 Jul;68(7):20–5 (62 ref.) **(Rus)**

[Persistent virus and chlamydia infections in the development of pyelonephritis in children] Sokha LG. **Pediatriia** 1991; (4):97–100 (75 ref.) **(Rus)**

[The role of respiratory viral infection in the formation of bronchial hyperreactivity] Soldatov DG. **Ter Arkh** 1990; 62(8):145–50 (80 ref.) **(Rus)**

[The role of different microorganisms and infectious processes in the occurrence and course of bronchial asthma] Vishniakova LA. **Ter Arkh** 1990;62(11):59–62 (21 ref.) (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Nucleic acid hybridization in viral diagnosis. Landry ML. **Clin Biochem** 1990 Aug;23(4):267–77 (86 ref.)

The technique of polymerase chain reaction--a new diagnostic tool in microbiology and other scientific fields (review). Thiele D. **Int J Med Microbiol** 1990 Sep; 273(4):431–54 (97 ref.)

Clinical virology. Classic basic science approaches with clinical impact. Lancz G. **J Fla Med Assoc** 1991 Mar; 78(3):169–72 (24 ref.)

Diagnosing and treating common oral pathologies. Dilley DC, et al. **Pediatr Clin North Am** 1991 Oct;38(5):1227–64 (33 ref.)

[The polymerase chain reaction used in microbiologic diagnosis] Ostergaard LJ, et al. **Ugeskr Laeger** 1991 Jan 7;153(2):91–4 (30 ref.) (Eng. Abstr.) **(Dan)**

[Virus diseases of the mouth mucosa] Nasemann T. **Arch Otorhinolaryngol** 1976;213(1):333–62 (17 ref.) (Eng. Abstr.) **(Ger)**

[Acute viral myocarditis. 1: Pathogenesis, clinical manifestations, diagnosis] Schultheiss HP. **Fortschr Med** 1991 Jan 30;109(3):45–8 (0 ref.) (Eng. Abstr.) **(Ger)**

[Mixed bacterial and viral infections of the urogenital tract] Dmitriev GA. **Vestn Dermatol Venerol** 1990;(6):29–33 (51 ref.) **(Rus)**

[Infections in the newborn infant] Moya M, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 38:33–7 (24 ref.) **(Spa)**

[New diagnostic methods in infectious viral pathology] Tenorio A. **An Esp Pediatr** 1989 Sep;31 Suppl 38:153–7 (17 ref.) **(Spa)**

[DNA amplification (polymerase chain reaction) in microbiological diagnosis] García de Lomas J, et al. **Enferm Infecc Microbiol Clin** 1990 Nov;8(9):574–83 (41 ref.) **(Spa)**

[PCR--a highly sensitive method for identification and study of virus infections] Wadell G, et al. **Lakartidningen** 1990 Nov 21;87(47):3984–6, 3990 (33 ref.) (Eng. Abstr.) **(Swe)**

DRUG THERAPY

Antiviral drug therapy. Goodpasture HC. **Am Fam Physician** 1991 Jan;43(1):197–204 (33 ref.)

Therapy of viral infections of the central nervous system. Griffin DE. **Antiviral Res** 1991 Jan;15(1):1–10 (69 ref.)

Screening for new agents. Oberg B, et al. **Eur J Clin Microbiol Infect Dis** 1990 Jul;9(7):466–71 (31 ref.)

Perspectives in antiviral chemotherapy. Huraux JM, et al. **Fundam Clin Pharmacol** 1990;4(4):357–72 (78 ref.)

Therapeutic update: viral dermatosis and AIDS. Haldar B. **Indian J Dermatol** 1990 Mar;35(1):25–31 (12 ref.)

S-adenosyl-L-homocysteine hydrolase as a target for antiviral chemotherapy. Wolfe MS, et al. **J Med Chem** 1991 May;34(5):1521–30 (117 ref.)

Interferons: from molecular biology to man. Part 1. Genetics and molecular biology of the interferon system. Balkwill FR. **Microbiol Sci** 1986 Jul;3(7):212–5 (20 ref.)

New antiviral drugs for treatment of viral infections in immunocompromised patients. Jehn U. **Recent Results Cancer Res** 1991;121:353–9 (22 ref.)

[Prevention and therapeutical trials of a few current viral diseases] German A, et al. **Ann Pharm Fr** 1990;48(5):231–41 (20 ref.) (Eng. Abstr.) **(Fre)**

[Acute viral myocarditis. 2: Therapy] Schultheiss HP. **Fortschr Med** 1991 Jan 30;109(3):49–50 (0 ref.) (Eng. Abstr.) **(Ger)**

[Interferon--clinical application] Zamorska I, et al. **Wiad Lek** 1990 Jun 1;43(11):548–51 (58 ref.) (Eng. Abstr.) **(Pol)**

[Reye's syndrome in children (review of the literature)] Badalian LO, et al. **Zh Nevropatol Psikhiatr** 1990; 90(8):109–13 (98 ref.) **(Rus)**

[The clinical applications of antivirals in pediatrics] Velasco JA, et al. **An Esp Pediatr** 1989 Sep;31 Suppl 38:125–31 (20 ref.) **(Spa)**

EPIDEMIOLOGY

[Infective complications after liver transplant] Paya CV, et al. **Enferm Infecc Microbiol Clin** 1989 May;7(5):270–6 (24 ref.) **(Spa)**

ETIOLOGY

Pathogenesis of gut virus infection. Salim AF, et al. **Baillieres Clin Gastroenterol** 1990 Sep;4(3):593–607 (68 ref.)

IMMUNOLOGY

The role of viruses and environmental factors in the induction of diabetes. Yoon JW. **Curr Top Microbiol Immunol** 1990; 164:95–123 (157 ref.)

Viral infections, immune responses and cognitive performance. Smith A. **Int J Neurosci** 1990 Apr; 51(3–4):355–6 (7 ref.)

How T lymphocytes kill infected cells. Berke G. **Microbiol Sci** 1985;2(2):44–6, 51–2 (39 ref.)

Immunologic abnormalities accompanying acute and chronic viral infections. Griffin DE. **Rev Infect Dis** 1991 Jan–Feb; 13 Suppl 1:S129–33 (86 ref.)

Peptide vaccines for viral diseases. Francis MJ. **Sci Prog** 1990; 74(293 Pt 1):115–30 (42 ref.)

[Interferons. Endogenous virostatic drugs, cytostatic drugs and immunomodulators] Uhl D. **Med Monatsschr Pharm** 1991 Mar;14(3):66–9 (2 ref.) **(Ger)**

[Viral infections in immunocompromised patients] Frostad S, et al. **Tidsskr Nor Laegeforen** 1990 Sep 10;110(21):2765–9 (29 ref.) (Eng. Abstr.) **(Nor)**

[The role of complement system in infections] Garred P. **Tidsskr Nor Laegeforen** 1991 Jan 10;111(1):53–8 (56 ref.) (Eng. Abstr.) **(Nor)**

[Immunopathogenic processes in infectious pulmonary diseases] Păunescu E. **Rev Ig Med Muncii Med Soc Bacteriol Virusol Parazitol Epidemiol Pneumoftiziol Pneumoftiziol** 1990 Jan–Mar; 39(1):5–14 (24 ref.) **(Rum)**

[The immune response in pediatric infections] Martín Mateos MA. **An Esp Pediatr** 1989 Sep;31 Suppl 38:20–4 (14 ref.) **(Spa)**

METABOLISM

Relationship between the prostaglandin cascade and virus infection. Ongrádi J, et al. **Acta Virol (Praha)** 1990 Aug; 34(4):380–400 (131 ref.)

MICROBIOLOGY

Defective interfering viruses: modulators of infection. Dimmock NJ. **Microbiol Sci** 1985 Jan;2(1):1–7 (36 ref.)

Inoue-Melnick virus and associated diseases in man: recent advances. Inoue YK. **Prog Med Virol** 1991;38:167–79 (47 ref.)

Epidemiology of acute respiratory infections in children of developing countries. Berman S. **Rev Infect Dis** 1991 May–Jun;13 Suppl 6:S454–62 (55 ref.)

[Antiviral drugs in pediatrics] Delgado R. **An Esp Pediatr** 1990 Jun;32(6):473–8 (48 ref.) **(Spa)**

MORTALITY

[Possible long-term prognosis in epidemiologically significant virus infections] Gürtler L, et al. **Versicherungsmedizin** 1991 Apr 1;43(2):44–8 (34 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Viral myocarditis. Burke M. **Histopathology** 1990 Sep; 17(3):193–200 (52 ref.)

A viral-anatomical explantation of schizophrenia [see comments] Torrey EF. **Schizophr Bull** 1991;17(1):15–8 (24 ref.) Comment in: Schizophr Bull 1991;17(1):19–24.

PHYSIOPATHOLOGY

The impact of respiratory viral infections in patients with cystic fibrosis. Prober CG. **Clin Rev Allergy** 1991 Spring-Summer;9(1–2):87–102 (30 ref.)

The impact of infection on the outcome of transplantation. Rubin RH, et al. **Transplant Proc** 1991 Aug;23(4):2068–74 (44 ref.)

Abnormalities in neural control of smooth muscle in virus-infected airways. Jacoby DB, et al. **Trends Pharmacol Sci** 1990 Oct;11(10):393–5 (21 ref.)

[Virus infections and obstructive respiratory tract diseases] Werchau H. **Verh Dtsch Ges Inn Med** 1990;96:36–45 (65 ref.) **(Ger)**

PREVENTION & CONTROL

Vaccines against viruses associated with diseases in human central nervous system. Lustig S, et al. **Adv Biotechnol Processes** 1990;14:243–77 (144 ref.)

Subunit vaccines against infection by enveloped viruses. Morein B, et al. **Adv Biotechnol Processes** 1990;14:69–90 (91 ref.)

Problems and prospects for preparation of killed antiviral vaccines. Budowsky EI. **Adv Virus Res** 1991;39:255–90 (114 ref.)

Screening for viral and protozoal infections in pregnancy. A review. Klapper PE, et al. **Br J Obstet Gynaecol** 1990 Nov;97(11):974–83 (84 ref.)

Rational principles for immunoglobulin prophylaxis and therapy of neonatal infections. Kliegman RM, et al. **Clin Perinatol** 1991 Jun;18(2):303–24 (82 ref.)

Immunoglobulins and other modalities for the prevention and treatment of enteric viral infections. Yolken R, et al. **J Clin Immunol** 1990 Nov;10(6 Suppl):80S–86S; discussion 86S–87S (35 ref.)

Control of viral infections in hospitals. Breuer J, et al. **J Hosp Infect** 1990 Oct;16(3):191–221 (186 ref.)
Enteric vaccines. Edelman R, et al. **Md Med J** 1991 Mar; 40(3):199–203 (23 ref.)
New approaches in viral vaccine development. Brown F. **Scand J Infect Dis Suppl** 1990;76:39–46 (23 ref.)

PSYCHOLOGY

Behavioral adaptations to pathogens and parasites: five strategies. Hart BL. **Neurosci Biobehav Rev** 1990 Fall; 14(3):273–94 (297 ref.)

THERAPY

Intron A—a therapeutic focus. Haworth C. **Br J Clin Pract** 1990 Nov;44(11):471–4 (27 ref.)
New therapeutic strategies in the treatment of murine diseases induced by virus and solid tumors: biology and implications for the potential treatment of human leukemia, AIDS, and solid tumors. Shen RN, et al. **Crit Rev Oncol Hematol** 1990; 10(3):253–65 (166 ref.)
The biological basis for clinical use of interferon. Dianzani F, et al. **J Hepatol** 1990;11 Suppl 1:S5–10 (42 ref.)
Infectious diarrhea. Managing a misery that is still worldwide. Qadri SM. **Postgrad Med** 1990 Oct; 88(5):169–75, 178–84 (29 ref.)
Update on virology: the nature of viruses and control of the diseases they cause. Griffiths P. **Trans Med Soc Lond** 1988–89;105:46–9 (0 ref.)
[Interferons. Basic principles and use in clinic and general practice] Hündgen M, et al. **Med Monatsschr Pharm** 1991 Jun;14(6):164–73 (24 ref.) **(Ger)**
[Clinical aspects and therapy of frequent viral diseases of the skin] Kölzsch J. **Z Arztl Fortbild (Jena)** 1990; 84(23):1199–202 (0 ref.) **(Ger)**

TRANSMISSION

Discussion: the Kermack–McKendrick epidemic threshold theorem. Anderson RM. **Bull Math Biol** 1991;53(1–2):3–32 (63 ref.)
Infections transmitted by large and small laboratory animals. Fox JG, et al. **Infect Dis Clin North Am** 1991 Mar; 5(1):131–63 (98 ref.)
Foodborne viruses. Appleton H. **Lancet** 1990 Dec 1; 336(8727):1362–4 (17 ref.)
Emerging viruses: defining the rules for viral traffic. Morse SS. **Perspect Biol Med** 1991 Spring;34(3):387–409 (55 ref.)
Transfusion transmitted viral infections—recent developments in blood donor screening. Yap PL. **Postgrad Med J** 1990 Nov;66(781):906–9 (7 ref.)

VETERINARY

Equine viral arteritis. Huntington PJ, et al. **Aust Vet J** 1990 Dec;67(12):429–31 (39 ref.)
Antipodean aquaculture agents. Overstreet RM. **Int J Parasitol** 1990 Jul;20(4):551–64 (54 ref.)
Primate viral diseases in perspective. Kalter SS, et al. **J Med Primatol** 1990;19(6):519–35 (19 ref.)
Viral respiratory disease of the horse. Powell DG. **Vet Clin North Am Equine Pract** 1991 Apr;7(1):27–52 (53 ref.)
[Veterinary medicine and molecular biology: possibilities and limits of virus detection] Pauli U, et al. **Schweiz Arch Tierheilkd** 1991;133(1):35–42 (31 ref.) (Eng. Abstr.) **(Ger)**

VIRUS INDUCTION see **VIRUS ACTIVATION**

VIRUS PEPLOMER PROTEINS see **VIRAL ENVELOPE PROTEINS**

VIRUS RECEPTORS see **RECEPTORS, VIRUS**

VIRUS REPLICATION

Cellular and growth-factor requirements for the replication of human herpesvirus 6 in primary lymphocyte cultures. Frenkel N, et al. **Adv Exp Med Biol** 1990;278:1–8 (22 ref.)
A role for the aspartyl protease from the human immunodeficiency virus type 1 (HIV-1) in the orchestration of virus assembly. Navia MA, et al. **Ann N Y Acad Sci** 1990;616:73–85 (31 ref.)
The human immunodeficiency virus TAT protein. A target for antiviral agents. Sim IS. **Ann N Y Acad Sci** 1990; 616:64–72 (41 ref.)
Protein-priming of DNA replication. Salas M. **Annu Rev Biochem** 1991;60:39–71 (353 ref.)
Transmission of retroviruses by arthropods. Foil LD, et al. **Annu Rev Entomol** 1991;36:355–81 (109 ref.)
Mechanisms of viral pathogenesis. Distinct forms of reoviruses and their roles during replication in cells and host. Nibert ML, et al. **J Clin Invest** 1991 Sep;88(3):727–34 (64 ref.)
Papillomavirus DNA replication. Lambert PF. **J Virol** 1991 Jul;65(7):3417–20 (37 ref.)
Parvovirus replication. Berns KI. **Microbiol Rev** 1990 Sep; 54(3):316–29 (153 ref.)
[Effect of viral structure and replication characteristics on the pathogenesis of infectious bursal disease] Müller H. **Berl Munch Tierarztl Wochenschr** 1991 Apr 1;104(4):113–7 (30 ref.) (Eng. Abstr.) **(Ger)**

GENETICS

Paramyxoviridae: transcription and replication. Galinski MS. **Adv Virus Res** 1991;39:129–62 (206 ref.)
Poxvirus pathogenesis. Buller RM, et al. **Microbiol Rev** 1991 Mar;55(1):80–122 (522 ref.)
Replication of hepatitis B and delta viruses: appearance of viral mutants. Foster GR, et al. **Semin Liver Dis** 1991 May; 11(2):121–7 (40 ref.)

IMMUNOLOGY

[General and specific factors of protective reactions in viral infection (facts and hypotheses)] Dubrovina TIa, et al. **Vestn Akad Med Nauk SSSR** 1991;(4):3–7 (49 ref.) (Eng. Abstr.) **(Rus)**

VIRUS TRANSFORMING ANTIGENS see **ANTIGENS, VIRAL, TUMOR**

VIRUSES

Soil and groundwater transport of microorganisms. Berry DF, et al. **Biotechnology** 1991;15:57–73 (84 ref.)
Update on virology: the nature of viruses and control of the diseases they cause. Griffiths P. **Trans Med Soc Lond** 1988–89;105:46–9 (0 ref.)

CLASSIFICATION

Virus species, a much overlooked but essential concept in virus classification. Van Regenmortel MH. **Intervirology** 1990;31(5):241–54 (59 ref.)

DRUG EFFECTS

Interferon action on membrane-associated viruses: a minireview. Friedman RM. **J Exp Pathol** 1990;5(2):49–51 (3 ref.)

ENZYMOLOGY

How do viral reverse transcriptases recognize their RNA genome? Mesnard JM, et al. **FEBS Lett** 1991 Aug 5; 287(1–2):1–4 (45 ref.)

GENETICS

The evolutionary biology of molecular parasites. Nee S, et al. **Parasitology** 1990;100 Suppl:S5–18 (71 ref.)

IMMUNOLOGY

Mechanisms of intrinsic macrophage—virus interactions in vitro. Wu L, et al. **Microb Pathog** 1990 Nov;9(5):293–301 (46 ref.)
Structure of viral B-cell epitopes. Van Regenmortel MH. **Res Microbiol** 1990 Sep–Oct;141(7–8):747–56 (45 ref.)

ISOLATION & PURIFICATION

Identification of foodborne pathogens by nucleic acid hybridization. Hill WE, et al. **Int J Food Microbiol** 1991 Jan;12(1):67–75 (51 ref.)
Viruses in acute otitis media: increasing evidence for clinical significance. Ruuskanen O, et al. **Pediatr Infect Dis J** 1991 Jun;10(6):425–7 (24 ref.)
[Cell hybridization (in situ hybridization). Methods and application, particularly to human pathology of viral origin] Fournier JG. **Ann Pathol** 1991;11(2):80–91 (94 ref.) **(Fre)**

METABOLISM

Measures and countermeasures in the modulation of initiation factor activities by viruses. Sonenberg N. **New Biol** 1990 May;2(5):402–9 (66 ref.)

PATHOGENICITY

Parasite–host coevolution. May RM, et al. **Parasitology** 1990; 100 Suppl:S89–101 (50 ref.)
[Proteolytic processing of viral glycoproteins and its significance for viral pathogenicity] Nagai Y. **Tanpakushitsu Kakusan Koso** 1990 Oct;35(13):2211–22 (94 ref.) **(Jpn)**

RADIATION EFFECTS

[35 years of research and study in radiovirology at the Stefan S. Nicolau Institute of Virology] Burducea O. **Rev Roum Virol** 1990 Jul–Dec;41(3–4):157–69 (116 ref.) (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Immunoelectron microscopical studies on viruses. Carrascosa JL. **Electron Microsc Rev** 1988;1(1):1–16 (31 ref.)
Virological applications of the grid-cell-culture technique. Hyatt AD, et al. **Electron Microsc Rev** 1990;3(1):1–27 (67 ref.)

VISCERA

ENZYMOLOGY

[Systemic localization of mixed function oxidases] Kamiński M. **Folia Med Cracov** 1990;31(3):97–120 (83 ref.) (Eng. Abstr.) **(Pol)**

INNERVATION

Role of visceral afferent mechanisms in functional bowel disorders. Mayer EA, et al. **Gastroenterology** 1990 Dec; 99(6):1688–704 (121 ref.)
[The structural-functional organization of the connections in the system for the central regulation of visceral functions] Aleksandrov VG, et al. **Usp Fiziol Nauk** 1990 Oct–Dec;21(4):85–102 (204 ref.) **(Rus)**

METABOLISM

Nonosseous accumulation of bone-seeking radiopharmaceuticals. Gentili A, et al. **Radiographics** 1990 Sep;10(5):871–81 (21 ref.)

TRANSPLANTATION

The many faces of multivisceral transplantation. Starzl TE, et al. **Surg Gynecol Obstet** 1991 May;172(5):335–44 (48 ref.)

VISCERAL ARCHES see **BRANCHIAL REGION**

VISCERAL MYOPATHY see **INTESTINAL PSEUDO-OBSTRUCTION**

VISCOSITY

see related
BLOOD VISCOSITY

VISION

see related
VISUAL PERCEPTION
Visual discrimination learning in binocularly deprived cats: 20 years of studies in the Nencki Institute. Zernicki B. **Brain Res Brain Res Rev** 1991 Jan–Apr;16(1):1–13 (59 ref.)

PHYSIOLOGY

Experience-dependent formation of binocular maps in frogs. Possible involvement of N-methyl-D-aspartate receptors. Udin SB, et al. **Ann N Y Acad Sci** 1991;627:26–41 (50 ref.)
Consequences for retinal growth when vision occurs in S2 space. Thor G, et al. **Biosystems** 1990;24(1):25–30 (11 ref.)
Bifocal intraocular lenses [comment] Munton G. **Br J Ophthalmol** 1991 Jun;75(6):367 (12 ref.) Comment on: Br J Ophthalmol 1991 Jun;75(6):359–66.
Visual units in the central nervous system of the frog. Gaillard F. **Comp Biochem Physiol [A]** 1990;96(3):357–71 (126 ref.)
Cortical development and visual function. Stanley OH. **Eye** 1991;5 (Pt 1):27–30 (19 ref.)
Membrane phospholipids and the dark side of vision. Rando RR. **J Bioenerg Biomembr** 1991 Feb;23(1):133–46 (30 ref.)
Visual excitation and recovery. Stryer L. **J Biol Chem** 1991 Jun 15;266(17):10711–4 (67 ref.)
Elasmobranch vision: multimodal integration in the brain. Bodznick D. **J Exp Zool Suppl** 1990;5:108–16 (38 ref.)
Teleost vision: seeing while growing. Fernald RD. **J Exp Zool Suppl** 1990;5:167–80 (67 ref.)
Metamorphosis and fish vision. Evans BI, et al. **J Neurobiol** 1990 Oct;21(7):1037–52 (90 ref.)
The developing visual system and metamorphosis in the lamprey. Rubinson K. **J Neurobiol** 1990 Oct;21(7):1123–35 (60 ref.)
Mechanisms of visual plasticity: Hebb synapses, NMDA receptors, and beyond. Rauschecker JP. **Physiol Rev** 1991 Apr;71(2):587–615 (432 ref.)
Effects of visual deprivation on properties and modifiability of compensatory eye movement systems. Cynader M. **Rev Oculomot Res** 1985;1:95–109 (0 ref.)
Computer vision. Aloimonos Y, et al. **Science** 1991 Sep 13; 253(5025):1249–54 (46 ref.)
The neurobiology of blindsight. Cowey A, et al. **Trends Neurosci** 1991 Apr;14(4):140–5 (67 ref.)
White-noise analysis in visual neuroscience. Sakai HM, et al. **Vis Neurosci** 1988;1(3):287–96 (46 ref.)

VISION, BINOCULAR

Development of the mammalian retinogeniculate pathway: target finding, transient synapses and binocular segregation. So KF, et al. **J Exp Biol** 1990 Oct;153:85–104 (69 ref.)

PHYSIOLOGY

Stability of retinal correspondence in normal binocular vision. Wick B. **Optom Vis Sci** 1991 Feb;68(2):146–58 (95 ref.)
On the evidence for a 'pure' binocular process in human vision. Timney B, et al. **Spat Vis** 1989;4(1):1–15 (33 ref.)

VISION DISORDERS

CHEMICALLY INDUCED

Ophthalmic effects of oximes: a review. Ballantyne B. **Vet Hum Toxicol** 1991 Apr;33(2):151–4 (24 ref.)

DIAGNOSIS

Assessment of vision in infants and children. Searle CM, et al. **Aust Fam Physician** 1991 Feb;20(2):123, 126–30 (14 ref.)
Neuro-ophthalmologic vascular emergencies in the elderly. Barton JJ, et al. **Clin Geriatr Med** 1991 Aug;7(3):525–48

(108 ref.)
Head movements of visually impaired children. Jan JE. **Dev Med Child Neurol** 1991 Jul;33(7):645–7 (16 ref.)
[Periodic medical examination: update 1989. 3. Diagnostic examination of the problems of development and visual and hearing deficits in preschool age children. The Canadian Study Group on Periodic Medical Examination] **Union Med Can** 1990 Sep–Oct;119(5):248–53 (25 ref.) **(Fre)**

DRUG THERAPY

[The pharmacological correction of visual functions] Kovalenko VV. **Oftalmol Zh** 1990;(5):305–9 (41 ref.) **(Rus)**

EPIDEMIOLOGY

A population–based study of ocular abnormalities in premature children aged 5 to 10 years. Gallo JE, et al. **Am J Ophthalmol** 1991 May 15;111(5):539–47 (41 ref.)

ETIOLOGY

The TURP syndrome. Jensen V. **Can J Anaesth** 1991 Jan; 38(1):90–6 (39 ref.)
Mental retardation syndromes with associated ocular defects. Maino DM, et al. **J Am Optom Assoc** 1990 Sep;61(9):707–16 (116 ref.)
Inverted squamous papilloma with neuro–ophthalmic features. Peterson IM, et al. **J Clin Neuro Ophthalmol** 1991 Mar;11(1):35–8 (8 ref.)
Idiopathic intracranial hypertension. Wall M. **Neurol Clin** 1991 Feb;9(1):73–95 (86 ref.)

PATHOLOGY

Anomalous macular vessels: case report and review of the recent Japanese literature. Hayasaka S, et al. **Ann Ophthalmol** 1990 Dec;22(12):454–6 (11 ref.)

PHYSIOPATHOLOGY

Vision–threatening thyroid orbital disease—the clinical features. McClellan KA. **Aust N Z J Ophthalmol** 1990 Aug; 18(3):247–50 (12 ref.)
Cerebral akinetopsia (visual motion blindness). A review. Zeki S. **Brain** 1991 Apr;114 (Pt 2):811–24 (68 ref.)

PREVENTION & CONTROL

Pitfalls in eye management. Reich JA. **Aust Fam Physician** 1991 Feb;20(2):109–10 (0 ref.)

RADIOGRAPHY

The neuroradiology of visual disturbances. Nadalo LA, et al. **Neurol Clin** 1991 Feb;9(1):1–33 (34 ref.)

REHABILITATION

Computer access for persons who are blind or visually impaired: human factors issues. Griffith D. **Hum Factors** 1990 Aug;32(4):467–75 (14 ref.)

THERAPY

A review of the use of Irlen (tinted) lenses. Cotton MM, et al. **Aust N Z J Ophthalmol** 1990 Aug;18(3):307–12 (26 ref.)
Irlen lenses: a critical appraisal. Solan HA, et al. **J Am Optom Assoc** 1990 Oct;61(10):789–96 (26 ref.)

VISION, LOW see **VISION, SUBNORMAL**

VISION, MONOCULAR

Transient monocular blindness. Lord RS. **Aust N Z J Ophthalmol** 1990 Aug;18(3):299–305 (57 ref.)
Individual analysis of laterality data. Brysbaert M, et al. **Neuropsychologia** 1990;28(9):901–16 (19 ref.)

PHYSIOLOGY

Morphological changes in the geniculocortical pathway associated with monocular deprivation. Tieman SB. **Ann N Y Acad Sci** 1991;627:212–30 (106 ref.)
Monovision. Josephson JE, et al. **J Am Optom Assoc** 1990 Nov;61(11):820–6 (55 ref.)

VISION SCREENING

METHODS

[Glaucoma screening—justified or not justified?] Sternbuch J, et al. **Klin Monatsbl Augenheilkd** 1991 Apr;198(4):277–83 (117 ref.) (Eng. Abstr.) **(Ger)**

STANDARDS

Vision screening of children: a review of methods and personnel involved within the UK. Bishop AM. **Ophthalmic Physiol Opt** 1991 Jan;11(1):3–9 (67 ref.)

VISION, SUBNORMAL

REHABILITATION

Advances in low vision and blind rehabilitation. Mehr E, et al. **Adv Clin Rehabil** 1990;3:121–47 (51 ref.)

VISION TESTS

INSTRUMENTATION

A primer of ophthalmic computer graphics. Frisén L, et al. **Doc Ophthalmol** 1990 Apr–Jul;74(4):337–50 (21 ref.)

VISITING NURSES see **COMMUNITY HEALTH NURSING**

VISNA–MAEDI VIRUS see **VISNA VIRUS**

VISNA VIRUS

CLASSIFICATION

[Visna and AIDS—various comparative aspects] Georgsson G, et al. **Nord Med** 1991;106(4):112–5 (15 ref.) (Eng. Abstr.) **(Dan)**

GENETICS

Cellular regulation of visna virus gene expression and its role in pathogenesis. Clements JE, et al. **Dev Biol Stand** 1990; 72:207–12 (45 ref.)

VISUAL ACUITY

see related
FORM PERCEPTION
REFRACTION, OCULAR
REFRACTIVE ERRORS

From visual acuity to hyperacuity: a 10–year update. Gwiazda J, et al. **Can J Psychol** 1989 Jun;43(2):109–20 (53 ref.)
The importance of pupil size in optical quality measurements following radial keratotomy. Applegate RA, et al. **Refract Corneal Surg** 1990 Jan–Feb;6(1):47–54 (33 ref.)

PHYSIOLOGY

Natural history of the development of visual acuity in infants. Chandna A. **Eye** 1991;5 (Pt 1):20–6 (33 ref.)
Presbyopia and the dentist: the effect of age on clinical vision [published erratum appears in Int Dent J 1991 Feb;41(1):54] Burton JF, et al. **Int Dent J** 1990 Oct;40(5):303–12 (19 ref.)
[Development of sight] Warburg M. **Ugeskr Laeger** 1991 May 27;153(22):1571–5 (29 ref.) (Eng. Abstr.) **(Dan)**
[Predicting visual acuity in media opacities and uncorrectable refractive errors. Assessing so–called "retinal visual acuity"] Lachenmayr B. **Fortschr Ophthalmol** 1990;87 Suppl:S118–37 (184 ref.) (Eng. Abstr.) **(Ger)**

VISUAL AIDS see **AUDIO–VISUAL AIDS**

VISUAL ANALOGUE PAIN SCALE see **PAIN MEASUREMENT**

VISUAL CORTEX

ANATOMY & HISTOLOGY

Cortical streams of visual information processing in primates. Gattass R, et al. **Braz J Med Biol Res** 1990;23(5):375–93 (56 ref.)

CYTOLOGY

Classifying simple and complex cells on the basis of response modulation. Skottun BC, et al. **Vision Res** 1991; 31(7–8):1079–86 (49 ref.)

DRUG EFFECTS

Cortical blindness: a rare complication of cyclosporine therapy. Ghalie R, et al. **Bone Marrow Transplant** 1990 Aug;6(2):147–9 (24 ref.)

GROWTH & DEVELOPMENT

Cortical development and visual function. Stanley OH. **Eye** 1991;5 (Pt 1):27–30 (19 ref.)
Impulse activity and the patterning of connections during CNS development. Shatz CJ. **Neuron** 1990 Dec;5(6):745–56 (81 ref.)

INJURIES

The neurobiology of blindsight. Cowey A, et al. **Trends Neurosci** 1991 Apr;14(4):140–5 (67 ref.)

PHYSIOLOGY

Stimulation of phosphoinositide turnover by excitatory amino acids. Pharmacology, development, and role in visual cortical plasticity. Bear MF, et al. **Ann N Y Acad Sci** 1991; 627:42–56 (68 ref.)
The role of afferent activity in the maintenance of primate neocorticalfunction. Jones EG. **J Exp Biol** 1990 Oct; 153:155–76 (128 ref.)
The influence of action potentials on the development of the central visual pathway in mammals. Kalil RE. **J Exp Biol** 1990 Oct;153:261–76 (62 ref.)
The formation of cooperative cell assemblies in the visual cortex. Singer W. **J Exp Biol** 1990 Oct;153:177–97 (75 ref.)
The visual and frontal cortices. Goldberg ME, et al. **Rev Oculomot Res** 1989;3:283–313 (73 ref.)
The color–opponent and broad–band channels of the primate visual system. Schiller PH, et al. **Trends Neurosci** 1990 Oct; 13(10):392–8 (68 ref.)
[Subcortical origin of orientation sensitivity of visual cortex] Shou TD. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul; 21(3):203–7 (41 ref.) **(Chi)**

PHYSIOPATHOLOGY

Cerebral akinetopsia (visual motion blindness). A review. Zeki S. **Brain** 1991 Apr;114 (Pt 2):811–24 (68 ref.)
A century of cerebral achromatopsia. Zeki S. **Brain** 1990 Dec;113 (Pt 6):1721–77 (163 ref.)
Optokinetic nystagmus in normal and visually deprived children: implications for cortical development. Lewis TL, et al. **Can J Psychol** 1989 Jun;43(2):121–40 (105 ref.)

VISUAL EVOKED RESPONSE see **EVOKED POTENTIALS, VISUAL**

VISUAL FIELDS

see related
PERIMETRY

Cortical streams of visual information processing in primates. Gattass R, et al. **Braz J Med Biol Res** 1990;23(5):375–93 (56 ref.)
Synaptic connections, receptive fields, and patterns of activity in the tiger salamander retina. A simulation of patterns of activity formed at each cellular level from photoreceptors to ganglion cells [the Friendenwald lecture] [published erratum appears in Invest Ophthalmol Vis Sci 1991 Jul;32(8):2440] Werblin F. **Invest Ophthalmol Vis Sci** 1991 Mar;32(3):459–83 (106 ref.)
Statistical aids to visual field interpretation. Mills RP. **J Ocul Pharmacol** 1991 Spring;7(1):89–95 (5 ref.)
Normal and abnormal visual field maps in albinos. Central effects of non–matching maps. Guillery RW. **Ophthalmic Paediatr Genet** 1990 Sep;11(3):177–83 (31 ref.)
[Changes in the visual fields following filtering surgery in advanced glaucoma] Assouline W, et al. **Bull Soc Ophtalmol Fr** 1990 May;90(5):553–6 (9 ref.) (Eng. Abstr.) **(Fre)**
[Glaucoma screening—justified or not justified?] Sternbuch J, et al. **Klin Monatsbl Augenheilkd** 1991 Apr;198(4):277–83 (117 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Activating tasks for the study of visual–spatial attention in ADHD children: a cognitive anatomic approach. Swanson JM, et al. **J Child Neurol** 1991;6 Suppl:S119–27 (30 ref.)
Visual field asymmetries for pattern processing are present in infancy. A comment on T. Hatta's study on children's performances. de Schonen S, et al. **Neuropsychologia** 1991; 29(4):335–7 (23 ref.)

VISUAL MOTOR COORDINATION see **PSYCHOMOTOR PERFORMANCE**

VISUAL PATHWAYS

Visual association pathways in human brain. Iwata M. **Tohoku J Exp Med** 1990 Aug;161 Suppl:61–78 (27 ref.)

ANATOMY & HISTOLOGY

Morphological changes in the geniculocortical pathway associated with monocular deprivation. Tieman SB. **Ann N Y Acad Sci** 1991;627:212–30 (106 ref.)
Cortical streams of visual information processing in primates. Gattass R, et al. **Braz J Med Biol Res** 1990;23(5):375–93 (56 ref.)
Visual pathways in elasmobranchs: organization and phylogenetic implications. Northcutt RG. **J Exp Zool Suppl** 1990;5:97–107 (40 ref.)
Centrifugal pathways to the retina: influence of the optic tectum [see comments] Uchiyama H. **Vis Neurosci** 1989 Sep;3(3):183–206 (212 ref.) Comment in: Vis Neurosci 1990 May;4(5):493–5.
[Retino–hypothalamic pathways in vertebrates] Tilgner S, et al. **Klin Monatsbl Augenheilkd** 1990 Oct;197(4):295–301 (131 ref.) (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

The visual pathways of eutherian mammals and marsupials develop according to a common timetable. Robinson SR, et al. **Brain Behav Evol** 1990;36(4):177–95 (190 ref.)

GROWTH & DEVELOPMENT

Sensitive and vulnerable periods in the development of the visual system. Blakemore C. **Ciba Found Symp** 1991; 156:129–47; discussion 147–54 (15 ref.)

PHYSIOLOGY

The role of the NMDA receptor in the development of the frog visual system. Cline HT, et al. **Adv Exp Med Biol** 1990;268:197–203 (35 ref.)
Long–term potentiation during the activity–dependent sharpening of the retinotopic map in goldfish. Schmidt JT. **Ann N Y Acad Sci** 1991;627:10–25 (58 ref.)

Smooth pursuit: anatomy, physiology and disorders. Sharpe JA, et al. **Bull Soc Belge Ophtalmol** 1989;237:113–44 (145 ref.)
Normal and abnormal visual development in kittens: insights into the mechanisms that underlie visual perceptual development in humans. Mitchell DE. **Can J Psychol** 1989 Jun;43(2):141–64 (95 ref.)
Pathways mediating resolution in the primate retina. Perry VH, et al. **Ciba Found Symp** 1990;155:5–14; discussion 14–21 (26 ref.)
Synaptic connections, receptive fields, and patterns of activity in the tiger salamander retina. A simulation of patterns of activity formed at each cellular level from photoreceptors to ganglion cells [the Friendenwald lecture] [published erratum appears in Invest Ophthalmol Vis Sci 1991 Jul;32(8):2440] Werblin F. **Invest Ophthalmol Vis Sci** 1991 Mar;32(3):459–83 (106 ref.)
The influence of action potentials on the development of the central visual pathway in mammals. Kalil RE. **J Exp Biol** 1990 Oct;153:261–76 (62 ref.)
Development of the mammalian retinogeniculate pathway: target finding, transient synapses and binocular segregation. So KF, et al. **J Exp Biol** 1990 Oct;153:85–104 (69 ref.)
Representational content and computation in the human visual system. Eimer M. **Psychol Res** 1990;52(2–3):238–42 (7 ref.)
Activity-dependent plasticity in the visual systems of frogs and fish. Cline HT. **Trends Neurosci** 1991 Mar;14(3):104–11 (80 ref.)
The neurobiology of blindsight. Cowey A, et al. **Trends Neurosci** 1991 Apr;14(4):140–5 (67 ref.)
The color–opponent and broad–band channels of the primate visual system. Schiller PH, et al. **Trends Neurosci** 1990 Oct; 13(10):392–8 (68 ref.)
Distributed spatial coding in the superior colliculus: a review. McIlwain JT. **Vis Neurosci** 1991 Jan;6(1):3–13 (118 ref.)
The processing of object and self–motion in the tectofugal and accessory optic pathways of birds. Frost BJ, et al. **Vision Res** 1990;30(11):1677–88 (68 ref.)

RADIATION EFFECTS

Efficacy and complications of radiotherapy of anterior visual pathway tumors. Capo H, et al. **Neurol Clin** 1991 Feb; 9(1):179–203 (131 ref.)

VISUAL PERCEPTION

How and what do autistic children see? Emotional, perceptive and social peculiarities reflected in more recent examinations of the visual perception and the process of observation in autistic children. Dalferth M. **Acta Paedopsychiatr** 1989;52(2):121–33 (75 ref.)
Perceptual representation systems and implicit memory. Toward a resolution of the multiple memory systems debate. Schacter DL. **Ann N Y Acad Sci** 1990;608:543–67; discussion 567–71 (99 ref.)
Visual discrimination learning in binocularly deprived cats: 20 years of studies in the Nencki Institute. Zernicki B. **Brain Res Brain Res Rev** 1991 Jan–Apr;16(1):1–13 (59 ref.)
From visual acuity to hyperacuity: a 10–year update. Gwiazda J, et al. **Can J Psychol** 1989 Jun;43(2):109–20 (53 ref.)
The infant's use of visual and haptic information in the perception and recognition of objects. Ruff HA. **Can J Psychol** 1989 Jun;43(2):302–19 (80 ref.)
Designing for transportation safety in the light of perception, attention, and mental models. Moray N. **Ergonomics** 1990 Oct–Nov;33(10–11):1201–13 (30 ref.)
Abstract art and emotion: expressive form and the sense of wholeness. Rose GJ. **J Am Psychoanal Assoc** 1991; 39(1):131–56 (34 ref.)
Visual information processing of computed topographic electrical activity brain maps. Klymenko V, et al. **J Clin Neurophysiol** 1990 Oct;7(4):484–97 (51 ref.)
Visual cues in the interpretation of medical images. Kundel HL. **J Clin Neurophysiol** 1990 Oct;7(4):472–83 (26 ref.)
Visual processing in the rock lobster (crustacea). York B, et al. **Prog Neurobiol** 1975;5(2):127–66 (62 ref.)
Perspectival appearing and Gibson's theory of visual perception. Natsoulas T. **Psychol Res** 1990;52(4):291–8 (26 ref.)
The color–opponent and broad–band channels of the primate visual system. Schiller PH, et al. **Trends Neurosci** 1990 Oct; 13(10):392–8 (68 ref.)
[Tachistoscopy: an experimental method for studying cerebral hemispheric specialization] Belin C, et al. **J Fr Ophtalmol** 1990;13(5):293–7 (16 ref.) (Eng. Abstr.) **(Fre)**
[Tachistoscopic reading of arabic words] Belin C, et al. **J Fr Ophtalmol** 1990;13(5):299–301 (9 ref.) (Eng. Abstr.) **(Fre)**
[Illusion of visual tilt: a case] Cohen L, et al. **Rev Neurol (Paris)** 1991;147(5):389–91 (18 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Towards a developmental cognitive science. The implications of cross–modal matching and imitation for the development of representation and memory in infancy. Meltzoff AN. **Ann N Y Acad Sci** 1990;608:1–31; discussion 31–7 (154 ref.)
Normal and abnormal visual development in kittens: insights into the mechanisms that underlie visual perceptual development in humans. Mitchell DE. **Can J Psychol** 1989 Jun;43(2):141–64 (95 ref.)
"Object vision" and "spatial vision": the neuropsychological evidence for the distinction. Ettlinger G. **Cortex** 1990 Sep; 26(3):319–41 (124 ref.)
Perceptual–components architecture for digital video. Watson AB. **J Opt Soc Am [A]** 1990 Oct;7(10):1943–54 (100 ref.)
Behavioral assessment of young nonhuman primates: perceptual–cognitive development. Grant–Webster KS, et al. **Neurotoxicol Teratol** 1990 Sep–Oct;12(5):543–6 (20 ref.)
Representational content and computation in the human visual system. Eimer M. **Psychol Res** 1990;52(2–3):238–42 (7 ref.)
The brain a geometry engine. Koenderink JJ. **Psychol Res** 1990;52(2–3):122–7 (45 ref.)
Higher centers concerned with eye movement and visual attention: cerebral cortex and thalamus. Leichnetz GR, et al. **Rev Oculomot Res** 1988;2:365–429 (342 ref.)
Border effects on brightness: a review of findings, models and issues. Kingdom F, et al. **Spat Vis** 1988;3(4):225–62 (85 ref.)
Three stages and two systems of visual processing. Sperling G. **Spat Vis** 1989;4(2–3):183–207 (63 ref.)
Visual association pathways in human brain. Iwata M. **Tohoku J Exp Med** 1990 Aug;161 Suppl:61–78 (27 ref.)
The neurobiology of blindsight. Cowey A, et al. **Trends Neurosci** 1991 Apr;14(4):140–5 (67 ref.)
Subjective contours—bridging the gap between psychophysics and physiology. Peterhans E, et al. **Trends Neurosci** 1991 Mar;14(3):112–9 (88 ref.)
[Perception of the motion component in visual information processing] Kubová Z. **Cesk Fysiol** 1991;40(1):73–86 (69 ref.) **(Cze)**
[Development of sight] Warburg M. **Ugeskr Laeger** 1991 May 27;153(22):1571–5 (29 ref.) (Eng. Abstr.) **(Dan)**
[The eye and vertigo] Höh H. **Med Monatsschr Pharm** 1990 Dec;13(12):362–71 (39 ref.) **(Ger)**

VISUAL PURPLE see **RHODOPSIN**

VISUAL STIMULATION see **PHOTIC STIMULATION**

VITAL CAPACITY, TIMED see **FORCED EXPIRATORY VOLUME**

VITAL STATISTICS

ABC of antenatal care. Vital statistics of birth. Chamberlain G. **BMJ** 1991 Jul 20;303(6795):178–81 (0 ref.)

VITAMIN A

ADMINISTRATION & DOSAGE

Fat–soluble vitamin nutrition for dairy cattle. Herdt TH, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul; 7(2):391–415 (203 ref.)
[Selenium, vitamin A, C and E seem to have a preventive effect against cancer] Bruce A. **Lakartidningen** 1990 Dec 19;87(51–52):4439–42 (15 ref.) **(Swe)**

ADVERSE EFFECTS

Micronutrients and drug response: vitamin A and vitamin E in the fetus and in the newborn. Gorodischer R. **Dev Pharmacol Ther** 1990;15(3–4):166–72 (30 ref.)

ANALYSIS

Methods for assessment of vitamin A status. Underwood BA. **J Nutr** 1990 Nov;120 Suppl 11:1459–63 (24 ref.)

METABOLISM

Perisinusoidal stellate cells of the liver: important roles in retinol metabolism and fibrosis. Blomhoff R, et al. **FASEB J** 1991 Mar 1;5(3):271–7 (44 ref.)
Assessment of vitamin A status. Agarwal DK, et al. **Indian Pediatr** 1990 May;27(5):427–31 (13 ref.)
The intracellular vitamin A–binding proteins: an overview of their functions. Wolf G. **Nutr Rev** 1991 Jan;49(1):1–12 (40 ref.)
Transport and storage of vitamin A. Blomhoff R, et al. **Science** 1990 Oct 19;250(4979):399–404 (59 ref.)

PHARMACOKINETICS

[Individual differences in the vitamin A metabolism of the order Carnivora—a review] Schweigert FJ, et al. **Berl Munch Tierarztl Wochenschr** 1991 Mar 1;104(3):89–90; 95–8 (46 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

A new morphogenic metabolite of retinol: 3,4–didehydroretinoic acid. **Nutr Rev** 1991 Jan;49(1):22–4 (10 ref.)
Retinoids in the host defense system. Yamamoto M. **World Rev Nutr Diet** 1991;64:58–84 (124 ref.)

THERAPEUTIC USE

Remission of precancerous lesions in the oral cavity of tobacco chewers and maintenance of the protective effect of beta–carotene or vitamin A. Stich HF, et al. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):298S–304S (45 ref.)
Vitamin A during pregnancy in India: how much is safe for the fetus? Raman L. **Indian J Pediatr** 1991 Mar–Apr; 58(2):179–83 (18 ref.)
Cancer chemoprevention by supplemental carotenoids and synergism with retinol in mastodynia treatment. Santamaria LA, et al. **Med Oncol Tumor Pharmacother** 1990; 7(2–3):153–67 (48 ref.)
Vitamin A administration reduces mortality and morbidity from severe measles in populations nonendemic for hypovitaminosis A. **Nutr Rev** 1991 Mar;49(3):89–91 (12 ref.)

VITAMIN A ACID see **TRETINOIN**

VITAMIN A ALDEHYDE see **RETINALDEHYDE**

VITAMIN A DEFICIENCY

COMPLICATIONS

Vitamin A administration reduces mortality and morbidity from severe measles in populations nonendemic for hypovitaminosis A. **Nutr Rev** 1991 Mar;49(3):89–91 (12 ref.)

DIAGNOSIS

Assessment of vitamin A status. Agarwal DK, et al. **Indian Pediatr** 1990 May;27(5):427–31 (13 ref.)

EPIDEMIOLOGY

[3 problem vitamins in Latin America] Arroyave G. **Arch Latinoam Nutr** 1988 Sep;38(3):568–88 (40 ref.) (Eng. Abstr.) **(Spa)**

VITAMIN B 1 see **THIAMINE**

VITAMIN B 2 see **RIBOFLAVIN**

VITAMIN B 6 see **PYRIDOXINE**

VITAMIN B 12

ADMINISTRATION & DOSAGE

Oral cobalamin for pernicious anemia. Medicine's best kept secret? [see comments] Lederle FA. **JAMA** 1991 Jan 2; 265(1):94–5 (15 ref.) Comment in: JAMA 1991 Jan 2;265(1):96–7. Comment in: JAMA 1991 May 1;265(17):2190.

ANALOGS & DERIVATIVES

Chemistry of methylcorrinoids related to their roles in bacterial C1 metabolism. Kräutler B. **FEMS Microbiol Rev** 1990 Dec;7(3–4):349–54 (34 ref.)

METABOLISM

Cobalamin transport in Escherichia coli. Bradbeer C. **Biofactors** 1991 Jan;3(1):11–9 (63 ref.)
Vitamin B12 transport in Escherichia coli: energy coupling between membranes. Kadner RJ. **Mol Microbiol** 1990 Dec; 4(12):2027–33 (33 ref.)
Malabsorption of vitamin B12 in pancreatic insufficiency of the adult and of the child. Guéant JL, et al. **Pancreas** 1990 Sep;5(5):559–67 (88 ref.)

PHYSIOLOGY

Neuropsychiatric consequences of cobalamin deficiency. Beck WS. **Adv Intern Med** 1991;36:33–56 (105 ref.)

VITAMIN B 12 DEFICIENCY

Fermentable fibers and vitamin B12 dependency. **Nutr Rev** 1991 Apr;49(4):119–20 (12 ref.)

DIAGNOSIS

[Determination of homocysteine and methylmalonic acid in cobalamin deficiency. Diagnostic problem with a solution?] Schneede J, et al. **Tidsskr Nor Laegeforen** 1991 Feb 10; 111(4):450–5 (27 ref.) (Eng. Abstr.) **(Nor)**

ETIOLOGY

Nutritional vitamin B12 deficiency in infancy: three case reports and a review of the literature. Doyle JJ, et al. **Pediatr Hematol Oncol** 1989;6(2):161–72 (27 ref.)

PSYCHOLOGY

Neuropsychiatric consequences of cobalamin deficiency. Beck WS. **Adv Intern Med** 1991;36:33–56 (105 ref.)
Subtle vitamin–B12 deficiency and psychiatry: a largely unnoticed but devastating relationship? Dommisse J. **Med Hypotheses** 1991 Feb;34(2):131–40 (79 ref.)

VITAMIN B T see **CARNITINE**

VITAMIN C see **ASCORBIC ACID**

VITAMIN D

Stable isotope–labeled vitamin D, metabolites and chemical

analogs: synthesis and use in mass spectrometric studies. Coldwell RD, et al. **Steroids** 1990 Oct;55(10):418–32 (51 ref.)

ADMINISTRATION & DOSAGE

Seasonal fluctuations in parathyroid hormone in relation to vitamin D intake of postmenopausal women. **Nutr Rev** 1990 Dec;48(12):435–8 (7 ref.)

Fat-soluble vitamin nutrition for dairy cattle. Herdt TH, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul; 7(2):391–415 (203 ref.)

ANALYSIS

The use and interpretation of assays for vitamin D and its metabolites. Holick MF. **J Nutr** 1990 Nov;120 Suppl 11:1464–9 (40 ref.)

METABOLISM

Blood levels of vitamin D metabolites in gonarthrosis. Tauber C, et al. **Arch Orthop Trauma Surg** 1991;110(2):109–11 (17 ref.)

Vitamin D metabolism and mechanisms of calcium transport. Kumar R. **J Am Soc Nephrol** 1990 Jul;1(1):30–42 (214 ref.)

Vitamin D metabolism and phosphate transport in developing kidney: effect of diet and mutation. Tenenhouse HS. **Pediatr Nephrol** 1988 Jan;2(1):171–5 (31 ref.)

PHARMACOLOGY

[Vitamin D and the immunological system] Asali A, et al. **Harefuah** 1990 Dec 2;119(11):390–2 (55 ref.) **(Heb)**

PHYSIOLOGY

Magnesium absorption: mechanisms and the influence of vitamin D, calcium and phosphate. Hardwick LL, et al. **J Nutr** 1991 Jan;121(1):13–23 (75 ref.)

The vitamin D system: 1990. DeLuca HF, et al. **Kidney Int Suppl** 1990 Sep;29:S2–8 (43 ref.)

Vitamin D and bone. Stern PH. **Kidney Int Suppl** 1990 Sep; 29:S17–21 (56 ref.)

An emerging view of vitamin D. Dabek J. **Scand J Clin Lab Invest Suppl** 1990;201:127–33 (72 ref.)

[Calcium metabolism disorders in sarcoidosis] Lhote F. **Ann Med Interne (Paris)** 1990;141(6):531–4 (32 ref.) **(Fre)**

[Active metabo[illegible]of vitamin D as regulators of proliferation and differe[illegible]ation of monocyte-macrophage cells (review)] Pletsityi KD. **Vopr Med Khim** 1990 Sep–Oct; 36(5):2–4 (38 ref.) **(Rus)**

THERAPEUTIC USE

Can colon cancer incidence and death rates be reduced with calcium and vitamin D? Garland CF, et al. **Am J Clin Nutr** 1991 Jul;54(1 Suppl):193S–201S (98 ref.)

TOXICITY

The mechanisms of vitamin D toxicity. Vieth R. **Bone Miner** 1990 Dec;11(3):267–72 (30 ref.)

VITAMIN D 3 see **CHOLECALCIFEROLS**

VITAMIN D DEFICIENCY

COMPLICATIONS

Seasonal fluctuations in parathyroid hormone in relation to vitamin D intake of postmenopausal women. **Nutr Rev** 1990 Dec;48(12):435–8 (7 ref.)

EPIDEMIOLOGY

[3 problem vitamins in Latin America] Arroyave G. **Arch Latinoam Nutr** 1988 Sep;38(3):568–88 (40 ref.) (Eng. Abstr.) **(Spa)**

VITAMIN D-DEPENDENT CALCIUM-BINDING PROTEIN see **CALCIUM-BINDING PROTEIN, VITAMIN D-DEPENDENT**

VITAMIN DEFICIENCY see **AVITAMINOSIS**

VITAMIN E

ADMINISTRATION & DOSAGE

Premalignant lesions: role of antioxidant vitamins and beta-carotene in risk reduction and prevention of malignant transformation. Singh VN, et al. **Am J Clin Nutr** 1991 Jan; 53(1 Suppl):386S–390S (57 ref.)

Data supporting supplementation of humans with vitamin E. Horwitt MK. **J Nutr** 1991 Mar;121(3):424–9 (51 ref.)

Fat-soluble vitamin nutrition for dairy cattle. Herdt TH, et al. **Vet Clin North Am Food Anim Pract** 1991 Jul; 7(2):391–415 (203 ref.)

[Selenium, vitamin A, C and E seem to have a preventive effect against cancer] Bruce A. **Lakartidningen** 1990 Dec 19;87(51–52):4439–42 (15 ref.) **(Swe)**

ADVERSE EFFECTS

Micronutrients and drug response: vitamin A and vitamin E in the fetus and in the newborn. Gorodischer R. **Dev Pharmacol Ther** 1990;15(3–4):166–72 (30 ref.)

BLOOD

Assessment of the roles of vitamin C, vitamin E, and beta-carotene in the modulation of oxidant stress mediated by cigarette smoke-activated phagocytes. Anderson R. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):358S–361S (39 ref.)

METABOLISM

Vitamin E and neurologic deficits. Sokol RJ. **Adv Pediatr** 1990;37:119–48 (168 ref.)

Antioxidant defense systems: the role of carotenoids, tocopherols, and thiols. Di Mascio P, et al. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):194S–200S (52 ref.)

Absorption, transport and metabolism of vitamin E. Drevon CA. **Free Radic Res Commun** 1991;14(4):229–46 (144 ref.)

[Free radicals and antioxidants] Pawłowicz Z, et al. **Wiad Lek** 1990 Sep 1–15;43(17–18):884–9 (30 ref.) (Eng. Abstr.) **(Pol)**

PHARMACOKINETICS

Application of deuterated alpha-tocopherols to the biokinetics and bioavailability of vitamin E. Burton GW, et al. **Free Radic Res Commun** 1990;11(1–3):99–107 (44 ref.)

PHARMACOLOGY

Protective role of vitamin E in biological systems. Packer L. **Am J Clin Nutr** 1991 Apr;53(4 Suppl):1050S–1055S (66 ref.)

[Natural anti-mutagenic and anti-carcinogenic substances] Rahden-Staroń I. **Postepy Biochem** 1990;36(3–4):16–22 (54 ref.) **(Pol)**

PHYSIOLOGY

Vitamin E in biological systems. Packer L, et al. **Adv Exp Med Biol** 1990;264:93–103 (76 ref.)

Role of tocopherols in the protection of biological systems against oxidative damage. Sies H, et al. **J Photochem Photobiol B** 1991 Jan;8(2):211–8 (42 ref.)

Function of vitamin E in physical exercise: a review. Gerster H. **Z Ernahrungswiss** 1991 Jun;30(2):89–97 (38 ref.)

[Studies on the activation of molecular oxygen and the biological defence mechanism against active oxygen species] Ozawa T. **Yakugaku Zasshi** 1990 Sep;110(9):617–38 (80 ref.) (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Efficacy of vitamin E as a drug in inflammatory joint diseases. Schmidt KH, et al. **Adv Exp Med Biol** 1990;264:147–50 (2 ref.)

Vitamin E and cancer prevention. Knekt P, et al. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):283S–286S (29 ref.)

Can vitamin E protect humans against the pathological effects of ozone in smog? Pryor WA. **Am J Clin Nutr** 1991 Mar;53(3):702–22 (161 ref.)

Scientific basis for medical therapy of cataracts by antioxidants. Varma SD. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):335S–345S (39 ref.)

Role of vitamin E in the prophylaxis of cancer. Knekt P. **Ann Med** 1991 Feb;23(1):3–12 (116 ref.)

Therapeutic potential of vitamin E against myocardial ischemic-reperfusion injury. Janero DR. **Free Radic Biol Med** 1991;10(5):315–24 (154 ref.)

Antioxidant micronutrients in cancer prevention. Dorgan JF, et al. **Hematol Oncol Clin North Am** 1991 Feb;5(1):43–68 (209 ref.)

The potential role of vitamin E in the treatment of immunologic abnormalities during acquired immune deficiency syndrome. Odeleye OE, et al. **Prog Food Nutr Sci** 1991;15(1–2):1–19 (112 ref.)

[The use of vitamin E in childhood] Cario WR. **Kinderarztl Prax** 1990 Oct;58(10):511–7 (30 ref.) (Eng. Abstr.) **(Ger)**

VITAMIN E DEFICIENCY

COMPLICATIONS

Vitamin E and neurologic deficits. Sokol RJ. **Adv Pediatr** 1990;37:119–48 (168 ref.)

DRUG THERAPY

[The use of vitamin E in childhood] Cario WR. **Kinderarztl Prax** 1990 Oct;58(10):511–7 (30 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Function of vitamin E in physical exercise: a review. Gerster H. **Z Ernahrungswiss** 1991 Jun;30(2):89–97 (38 ref.)

VITAMIN G see **RIBOFLAVIN**

VITAMIN H see **BIOTIN**

VITAMIN K

ANTAGONISTS & INHIBITORS

Mechanisms of vitamin K antagonism. Bovill EG, et al. **Baillieres Clin Haematol** 1990 Jul;3(3):555–81 (176 ref.)

[Cutaneous necrosis at the initiation of antivitamin K treatment disclosing hereditary protein C deficiency] Piffoux M, et al. **Rev Pneumol Clin** 1990;46(3):125–7 (8 ref.) (Eng. Abstr.) **(Fre)**

[Heparins and antivitamins K] Langer B. **Rev Paul Med** 1990 Jul–Aug;108(4):183–8 (47 ref.) **(Por)**

METABOLISM

Epidermal growth factor-like domains in the vitamin K-dependent clotting factors. Some structure-function relationships. Stenflo J, et al. **Ann N Y Acad Sci** 1991; 614:11–29 (89 ref.)

PHYSIOLOGY

Molecular basis of gamma-carboxylation. Role of the propeptide in the vitamin K-dependent proteins. Furie B, et al. **Ann N Y Acad Sci** 1991;614:1–10 (55 ref.)

The metabolic functions and mechanism of action of vitamin K. Uotila L. **Scand J Clin Lab Invest Suppl** 1990;201:109–17 (50 ref.)

Vitamin K deficiency in infancy. Matsuda I, et al. **World Rev Nutr Diet** 1991;64:85–108 (116 ref.)

THERAPEUTIC USE

[Vitamin K in pediatrics. Recommendations of directions] **Arch Fr Pediatr** 1991 Jan;48(1):57–9 (27 ref.) **(Fre)**

VITAMIN K DEFICIENCY

COMPLICATIONS

Vitamin K deficiency in infancy. Matsuda I, et al. **World Rev Nutr Diet** 1991;64:85–108 (116 ref.)

VITAMIN K-DEPENDENT BONE PROTEIN see **OSTEOCALCIN**

VITAMIN M see **FOLIC ACID**

VITAMIN P COMPLEX see **BIOFLAVONOIDS**

VITAMIN PP see **NICOTINAMIDE**

VITAMINS

[Actual nutrition and rationale for the recommended levels of consumption of vitamins] Spirichev VB. **Vopr Pitan** 1990 Nov–Dec;(6):4–9 (55 ref.) **(Rus)**

[Abuse of megadoses of vitamins] Arroyave G. **Arch Latinoam Nutr** 1988 Sep;38(3):589–98 (54 ref.) (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Nutritional approach to cancer prevention with emphasis on vitamins, antioxidants, and carotenoids. Weisburger JH. **Am J Clin Nutr** 1991 Jan;53(1 Suppl):226S–237S (117 ref.)

Supraphysiological dosages of vitamins and their implications in man. Walter P. **Experientia** 1991 Feb 15;47(2):178–81 (16 ref.)

ADVERSE EFFECTS

Mutagenesis and micronutrients relationship. Chow CK. **Food Addit Contam** 1990;7 Suppl 1:S44–7 (16 ref.)

ANALYSIS

Dose-response tests in field surveys. Underwood BA. **J Nutr** 1990 Nov;120 Suppl 11:1455–8 (13 ref.)

Comparison of vitamin losses in vegetables due to various cooking methods. Rumm-Kreuter D, et al. **J Nutr Sci Vitaminol (Tokyo)** 1990;36 Suppl 1:S7–14; discussion S14–5 (20 ref.)

IMMUNOLOGY

[Nutrition and immunity] Szczepanik M. **Przegl Lek** 1990; 47(9):659–64 (32 ref.) **(Pol)**

METABOLISM

Vitamin supplementation and physical exercise performance. van der Beek EJ. **J Sports Sci** 1991 Summer;9 Spec No:77–90 (73 ref.)

Dietary modulation of cytokine production and biologic functions. Meydani SN. **Nutr Rev** 1990 Oct;48(10):361–9 (53 ref.)

THERAPEUTIC USE

The epidemiology of neural tube defects: a review of dietary intake and related factors as etiologic agents. Slattery ML, et al. **Am J Epidemiol** 1991 Mar 15;133(6):526–40 (82 ref.)

Chemoprevention of cancer. Garewal HS, et al. **Hematol Oncol Clin North Am** 1991 Feb;5(1):69–77 (22 ref.)

TOXICITY

Micronutrient supplements: toxicity and drug interactions. Flodin NW. **Prog Food Nutr Sci** 1990;14(4):277–331 (257 ref.)

VITELLINE MEMBRANE

ULTRASTRUCTURE

Fertilization-induced changes in the vitelline envelope of echinoderm and amphibian eggs: self-assembly of an extracellular matrix. Larabell C, et al. **J Electron Microsc Tech** 1991 Mar;17(3):294-318 (112 ref.)

VITILIGO

COMPLICATIONS

[Multiple spinocellular carcinomas on chronic lymphedema. Association with vitiligo] Dandurand M, et al. **Ann Dermatol Venereol** 1990;117(12):953-6 (19 ref.) **(Fre)**

DIAGNOSIS

[The clinical picture and therapy of vitiligo] Thiele B. **Dtsch Med Wochenschr** 1991 Jun 28;116(26):1025-9 (27 ref.) **(Ger)**

IMMUNOLOGY

Immune mechanisms in vitiligo. Bystryn JC. **Immunol Ser** 1989;46:447-73 (93 ref.)

VITRECTOMY

Role of vitrectomy in the management of retinal detachments. Leaver PK. **J R Soc Med** 1990 Dec;83(12):779-83 (16 ref.)

[Vitrectomy in uveitis] Libert J. **Bull Soc Belge Ophtalmol** 1989;230:143-53 (38 ref.) (Eng. Abstr.) **(Fre)**

METHODS

[Endothelial protection in surgical interventions and corneal donor tissue] Hartmann C. **Fortschr Ophthalmol** 1990;87 Suppl:S198-205 (48 ref.) (Eng. Abstr.) **(Ger)**

VITREOUS BODY

PATHOLOGY

Morphology, pathology, and surgery of idiopathic vitreoretinal macular disorders. A review. Smiddy WE, et al. **Retina** 1990;10(4):288-96 (40 ref.)

PHYSIOPATHOLOGY

[Proliferative vitreoretinopathy: new discoveries in pathophysiology and therapy] Wiedemann P, et al. **Klin Monatsbl Augenheilkd** 1990 Nov;197(5):355-61 (46 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

[Vitreous surgery for intraocular proliferative disorders] Tano Y. **Nippon Ganka Gakkai Zasshi** 1991 May; 95(5):405-20 (85 ref.) (Eng. Abstr.) **(Jpn)**

[Extrascleral use of balloons. I. Use of distensible balloons in vitreoretinal surgery (review of the literature)] Il'nitskiĭ VV, et al. **Vestn Oftalmol** 1990 Nov-Dec;106(6):70-6 (68 ref.) **(Rus)**

VITREOUS HEMORRHAGE

ETIOLOGY

[Terson's syndrome and intraocular complications in meningeal hemorrhages (26 cases)] Roux FX, et al. **Neurochirurgie** 1991;37(2):106-10 (15 ref.) (Eng. Abstr.) **(Fre)**

VIVISECTION

see related
ANIMAL WELFARE

VLA PROTEIN COMPLEX see RECEPTORS, VERY LATE ANTIGEN

VM-26 see TENIPOSIDE

VOCABULARY TESTS see LANGUAGE TESTS

VOCAL CORD PARALYSIS

ETIOLOGY

Infectious mononucleosis with airway obstruction and multiple cranial nerve paresis. Maddern BR, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):529-32 (22 ref.)

SURGERY

A functional evaluation of ansa cervicalis nerve transfer for unilateral vocal cord paralysis: future directions for laryngeal reinnervation. Green DC, et al. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):453-66 (53 ref.)

VOCAL CORDS

PATHOLOGY

Reinke's edema. Freedman SF, et al. **J La State Med Soc** 1990 Nov;142(11):7-9 (6 ref.)

PHYSIOPATHOLOGY

Dysphonia associated with factitious asthma [letter] Pannbacker M. **Ear Nose Throat J** 1990 Sep;69(9):656-7 (14 ref.)

VOCAL FOLD see VOCAL CORDS

VOCALIZATION, ANIMAL

Song learning: the interface between behaviour and neuroethology. Marler P. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29; 329(1253):109-14 (58 ref.)

Song learning in birds: the relation between perception and production. Nottebohm F, et al. **Philos Trans R Soc Lond [Biol]** 1990 Aug 29; 329(1253):115-24 (90 ref.)

PHYSIOLOGY

Integration of somatic and autonomic reactions within the midbrain periaqueductal grey: viscerotopic, somatotopic and functional organization. Bandler R, et al. **Prog Brain Res** 1991;87:269-305 (112 ref.)

Song-learning behavior: the interface with neuroethology. Marler P. **Trends Neurosci** 1991 May;14(5):199-206 (73 ref.)

Reassessing the mechanisms and origins of vocal learning in birds. Nottebohm F. **Trends Neurosci** 1991 May; 14(5):206-11 (57 ref.)

[The vocalization and speech systems of the brain: an evolutionary neurobiological analysis] Vartanian IA, et al. **Zh Evol Biokhim Fiziol** 1990 Nov-Dec;26(6):826-36 (43 ref.) **(Rus)**

VOCATIONAL REHABILITATION see REHABILITATION, VOCATIONAL

VOCATIONS see OCCUPATIONS

VOGT-KOYANAGI-HARADA SYNDROME see UVEOMENINGOENCEPHALITIC SYNDROME

VOICE

[Grading the voice: pitfalls and advantages] Ormezzano Y. **Rev Laryngol Otol Rhinol (Bord)** 1990;111(4):385-8 (23 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

The role of induction chemotherapy for organ preservation in laryngeal carcinoma. Dimery IW, et al. **Cancer Treat Res** 1990;52:209-22 (63 ref.)

[The relationships of restorative and prosthetic surgical measures with voice and speech functions] Reitemeier G, et al. **Zahn Mund Kieferheilkd** 1990;78(6):507-12 (6 ref.) (Eng. Abstr.) **(Ger)**

[The potentials for testing voice and speech functions from the oral medicine viewpoint. A review paper] Reitemeier G, et al. **Zahn Mund Kieferheilkd** 1990;78(5):417-23 (13 ref.) (Eng. Abstr.) **(Ger)**

VOICE DISORDERS

COMPLICATIONS

Spasmodic dysphonia associated with palatal myoclonus. Doody RS, et al. **Ear Nose Throat J** 1990 Dec; 69(12):829-32 (26 ref.)

DIAGNOSIS

Dysphonia associated with factitious asthma [letter] Pannbacker M. **Ear Nose Throat J** 1990 Sep;69(9):656-7 (14 ref.)

EPIDEMIOLOGY

Morbidity, epidemiology and systems analysis in phoniatrics: introduction, literature, updating. Schindler O. **Folia Phoniatr (Basel)** 1990;42(6):320-6 (4 ref.)

ETIOLOGY

Geriatric voice and laryngeal dysfunction. Shindo ML, et al. **Otolaryngol Clin North Am** 1990 Dec;23(6):1035-44 (48 ref.)

Congenital varicella and the newborn cry. Gaynor EB. **Otolaryngol Head Neck Surg** 1991 Apr;104(4):541-4 (20 ref.)

[Correlations between vocal qualities and mental retardation] Biondi S, et al. **Rev Laryngol Otol Rhinol (Bord)** 1990; 111(4):347-52 (26 ref.) (Eng. Abstr.) **(Fre)**

[Conference at the Salpêtrière. June 1989. Progressive instability of gait, dysphagia and dysphonia, paraparesis with amyotrophy and mental deterioration in a 56-year-old man] Collard M, et al. **Rev Neurol (Paris)** 1991;147(4):323-8 (26 ref.) (Eng. Abstr.) **(Fre)**

[Conference at the Salpêtrière. January 1989. Progressive paralysis of phonation and deglutition in a 22-year-old man] Michel D, et al. **Rev Neurol (Paris)** 1990; 146(8-9):522-5 (9 ref.) **(Fre)**

PSYCHOLOGY

Psychogenic voice disorders: literature review and case report. Matas M. **Can J Psychiatry** 1991 Jun;36(5):363-5 (28 ref.)

[Definition of psychogenic voice disorders] Bauer HH. **Laryngorhinootologie** 1991 Feb;70(2):102-4 (12 ref.) (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Use of cephalometry in diagnosing resonance disorders. Jakhi SA, et al. **Am J Orthod Dentofacial Orthop** 1990 Oct; 98(4):323-32 (31 ref.)

THERAPY

Management of voice disorders. Johnson AF, et al. **Henry Ford Hosp Med J** 1990;38(1):44-7 (10 ref.)

VOICE QUALITY

Use of cephalometry in diagnosing resonance disorders. Jakhi SA, et al. **Am J Orthod Dentofacial Orthop** 1990 Oct; 98(4):323-32 (31 ref.)

PHYSIOLOGY

The components and neuroanatomic bases of prosody. Merewether FC, et al. **J Commun Disord** 1990 Aug-Oct; 23(4-5):325-36 (70 ref.)

VOLCANIC ERUPTIONS see NATURAL DISASTERS

VOLITION

Volition, deception, and the evolution of justice. Beahrs JO. **Bull Am Acad Psychiatry Law** 1991;19(1):81-93 (54 ref.)

VOLKMANN CONTRACTURE see COMPARTMENT SYNDROMES

VOLUNTARY STERILIZATION see STERILIZATION, SEXUAL

VOLVULUS see INTESTINAL OBSTRUCTION

VOLVULUS, STOMACH see STOMACH VOLVULUS

VOMER see NASAL SEPTUM

VOMITING

CHEMICALLY INDUCED

Methodology of antiemetic trials: a review. Tonato M, et al. **Ann Oncol** 1991 Feb;2(2):107-14 (34 ref.)

The emetic effects of cancer chemotherapy. Dundee JW, et al. **Compr Ther** 1990 Nov;16(11):58-63 (24 ref.)

Chemotherapy-induced nausea and vomiting. Sledge GW Jr. **Curr Opin Oncol** 1990 Oct;2(5):909-14 (24 ref.)

Controlling emesis related to cancer therapy. Aapro MS. **Eur J Cancer** 1991;27(3):356-61 (98 ref.)

5HT3-antagonist receptors: their role in drug-induced emesis. Dieras V, et al. **Nouv Rev Fr Hematol** 1990; 32(6):449-52 (11 ref.)

[Prevention and therapy of cytostatic-induced vomiting] Riess H, et al. **Dtsch Med Wochenschr** 1991 May 3; 116(18):705-12 (48 ref.) **(Ger)**

[Nausea and vomiting during treatment with cytostatics] Kaasa S, et al. **Tidsskr Nor Laegeforen** 1991 Mar 20; 111(8):941-4 (14 ref.) (Eng. Abstr.) **(Nor)**

[Control of vomiting induced by antineoplastic chemotherapy in childhood] Madero López L, et al. **An Esp Pediatr** 1991 Mar;34(3):207-10 (25 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Management of vomiting associated with cytotoxic therapy. Jones AL, et al. **Br J Hosp Med** 1991 Feb;45(2):85-8 (21 ref.)

Antiemetic action of 5-HT3 receptor antagonists: review of preclinical and clinical results with ICS 205-930. Gamse R. **Cancer Treat Rev** 1990 Sep;17(2-3):301-5 (20 ref.)

Antiemetic control: 5-HT3 antagonists: review of clinical results, with particular emphasis on ondansetron. Kidgell AE, et al. **Cancer Treat Rev** 1990 Sep;17(2-3):311-7 (20 ref.)

Granisetron (BRL 43694) in the treatment of cytostatic drug-induced emesis: a summary. Pintens H. **Cancer Treat Rev** 1990 Sep;17(2-3):307-10 (4 ref.)

5-Hydroxytryptamine (serotonin) subtype 3 antagonists, a major step in prophylaxis and control of cytostatic and radiation-induced emesis. Bremer K. **J Cancer Res Clin Oncol** 1991;117(1):85-7 (25 ref.)

Domperidone-induced acute dystonia and polycystic ovary syndrome. Bonuccelli U, et al. **Mov Disord** 1991;6(1):79-81 (29 ref.)

Serotonin antagonists in the management of cisplatin-induced

emesis. Perez EA, et al. **Semin Oncol** 1991 Feb;18(1 Suppl 3):73–80 (53 ref.)
Recent developments in the management of emesis with the 5-HT3 antagonist granisetron. Button D.
Semin Oncol Nurs 1990 Nov;6(4 Suppl 1):14–9 (21 ref.)
[Antiemetic properties of levo-sulpiride] Guslandi M.
Minerva Med 1990 Dec;81(12):855–60 (20 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Reflux vomiting [see comments] Milla PJ. **Arch Dis Child** 1990 Sep;65(9):996–9 (26 ref.) Comment in: Arch Dis Child 1991 Mar;66(3):369–70.
The management of nausea and vomiting. Sykes N.
Practitioner 1990 Mar 22;234(1485):286–90 (7 ref.)
[Vomiting] Sierra Salinas C. **An Esp Pediatr** 1990 Nov;33 Suppl 43:168–71 (19 ref.) **(Spa)**

NURSING

Nausea, vomiting, and retching. Rhodes VA.
Nurs Clin North Am 1990 Dec;25(4):885–900 (43 ref.)
Practical aspects of dealing with cancer therapy-induced nausea and vomiting. Pervan V. **Semin Oncol Nurs** 1990 Nov;6(4 Suppl 1):3–5 (12 ref.)

PHYSIOPATHOLOGY

Pathophysiology of cytotoxic drug-induced emesis: far from crystal-clear. Seynaeve C, et al. **Pharm Weekbl [Sci]** 1991 Feb 22;13(1):1–6 (43 ref.)

PREVENTION & CONTROL

Batanopride (BMY-25801): a new 5-HT3 receptor antagonist for the prevention of cancer chemotherapy-induced emesis. Smaldone L, et al. **Cancer Treat Rev** 1990 Sep; 17(2–3):319–27 (11 ref.)
Ondansetron—the first of a new class of antiemetic agents. Chaffee BJ, et al. **Clin Pharm** 1991 Jun;10(6):430–46 (105 ref.)
Ondansetron. Therapeutic use as an antiemetic. Milne RJ, et al. **Drugs** 1991 Apr;41(4):574–95 (101 ref.)
Anti-emetic control with ondansetron in the chemotherapy of breast cancer: a review. Marschner N. **Eur J Cancer** 1991;27 Suppl 1:S15–7; discussion S22 (9 ref.)
The role of ondansetron in paediatric patients: a review of three studies. Stevens RF. **Eur J Cancer** 1991;27 Suppl 1:S20–2 (7 ref.)
Theories of self-care: their relevance to chemotherapy-induced nausea and vomiting. Richardson A. **J Adv Nurs** 1991 Jun;16(6):671–6 (51 ref.)
Present role of corticosteroids as antiemetics. Aapro MS.
Recent Results Cancer Res 1991;121:91–100 (89 ref.)
Use of nonpharmacological techniques to prevent chemotherapy-related nausea and vomiting. Cotanch PH.
Recent Results Cancer Res 1991;121:101–7 (17 ref.)
Controlling emesis in patients receiving cancer chemotherapy. Gralla RJ. **Recent Results Cancer Res** 1991; 121:68–85 (61 ref.)

PSYCHOLOGY

Psychologic aspects of the treatment of emesis in cancer nursing. Ouwerkerk J, et al. **Semin Oncol Nurs** 1990 Nov; 6(4 Suppl 1):6–9 (8 ref.)

THERAPY

Clinical uses of P6 acupuncture antiemesis. Dundee JW, et al. **Acupunct Electrother Res** 1990;15(3–4):211–5 (10 ref.)
Positive evidence for P6 acupuncture antiemesis. Dundee JW, et al. **Postgrad Med J** 1991 May;67(787):417–22 (53 ref.)

VOMITING, ANTICIPATORY

PREVENTION & CONTROL

Strategic use of benzodiazepines in cancer patients. Greenberg DB. **Oncology (Williston Park)** 1991 Apr; 5(4):83–8; discussion 88, 90, 95 (47 ref.)

VON GIERKE'S DISEASE see **GLYCOGEN STORAGE DISEASE TYPE I**

VON WILLEBRAND FACTOR

Von Willebrand factor, factor VIII and the factor VIII/von Willebrand factor complex. Ingerslev J. **Dan Med Bull** 1990 Oct;37(5):385–406 (448 ref.)
Structure and function of von Willebrand factor: relationship to von Willebrand's disease. Ruggeri ZM.
Mayo Clin Proc 1991 Aug;66(8):847–61 (85 ref.)
[von Willebrand factor and von Willebrand's disease] Inbal A. **Harefuah** 1991 Apr 15;120(8):478–82 (37 ref.) **(Heb)**

ANALYSIS

[Functional domains of von Willebrand factor] Mohri H.
Rinsho Ketsueki 1991 May;32(5):504–12 (62 ref.) **(Jpn)**

BIOSYNTHESIS

von Willebrand factor and the endothelium. Wagner DD, et al. **Mayo Clin Proc** 1991 Jun;66(6):621–7 (25 ref.)

CHEMISTRY

The fine structure of von Willebrand factor multimers and type IIA von Willebrand disease. Lynch DC.
Ann N Y Acad Sci 1991;614:138–52 (22 ref.)

GENETICS

von Willebrand factor biosynthesis and processing. Mayadas TN, et al. **Ann N Y Acad Sci** 1991;614:153–66 (82 ref.)
Molecular biology of von Willebrand factor. Sadler JE, et al. **Ann N Y Acad Sci** 1991;614:114–24 (79 ref.)
The superfamily of proteins with von Willebrand factor type A-like domains: one theme common to components of extracellular matrix, hemostasis, cellular adhesion, and defense mechanisms. Colombatti A, et al. **Blood** 1991 Jun 1;77(11):2305–15 (112 ref.)
The von Willebrand factor gene and genetics of von Willebrand's disease. Ginsburg D. **Mayo Clin Proc** 1991 May;66(5):506–15 (30 ref.)

PHYSIOLOGY

von Willebrand factor and platelet function. Weiss HJ.
Ann N Y Acad Sci 1991;614:125–37 (112 ref.)
Cell biology of von Willebrand factor. Wagner DD.
Annu Rev Cell Biol 1990;6:217–46 (180 ref.)
von Willebrand factor and platelet interactions with the vessel wall. Fressinaud E, et al.
Blood Coagul Fibrinolysis 1991 Apr;2(2):333–40 (58 ref.)
Role of von Willebrand factor in arterial thrombosis. Studies in normal and von Willebrand disease pigs. Nichols TC, et al. **Circulation** 1991 Jun;83(6 Suppl):IV56–64 (61 ref.)
von Willebrand factor and endothelial abnormalities in diabetic microangiopathy. Porta M, et al. **Diabetes Care** 1991 Feb;14(2):167–72 (28 ref.)
von Willebrand factor: clinical features of inherited and acquired disorders. Bloom AL. **Mayo Clin Proc** 1991 Jul; 66(7):743–51 (24 ref.)
von Willebrand factor and animal models: contributions to gene therapy, thrombotic thrombocytopenic purpura, and coronary artery thrombosis. Brinkhous KM, et al.
Mayo Clin Proc 1991 Jul;66(7):733–42 (30 ref.)
Platelet von Willebrand factor. Gralnick HR, et al.
Mayo Clin Proc 1991 Jun;66(6):634–40 (37 ref.)
The association of factor VIII with von Willebrand factor. Lollar P. **Mayo Clin Proc** 1991 May;66(5):524–34 (67 ref.)
von Willebrand factor: structure and function. Meyer D, et al. **Mayo Clin Proc** 1991 May;66(5):516–23 (23 ref.)
von Willebrand factor and the blood vessel wall. Sixma JJ, et al. **Mayo Clin Proc** 1991 Jun;66(6):628–33 (48 ref.)
[Domain structure of human von Willebrand factor, and its modulators involved in the platelet adhesion process in vitro] Fujimura Y, et al. **Rinsho Ketsueki** 1991 May; 32(5):475–80 (26 ref.) (Eng. Abstr.) **(Jpn)**
[Von Willebrand factor] Jeleńska MM.
Postepy Hig Med Dosw 1990;44(1–3):41–61 (98 ref.) (Eng. Abstr.) **(Pol)**

VON WILLEBRAND'S DISEASE

von Willebrand factor: clinical features of inherited and acquired disorders. Bloom AL. **Mayo Clin Proc** 1991 Jul; 66(7):743–51 (24 ref.)
Structure and function of von Willebrand factor: relationship to von Willebrand's disease. Ruggeri ZM.
Mayo Clin Proc 1991 Aug;66(8):847–61 (85 ref.)
[von Willebrand factor and von Willebrand's disease] Inbal A. **Harefuah** 1991 Apr 15;120(8):478–82 (37 ref.) **(Heb)**

BLOOD

The fine structure of von Willebrand factor multimers and type IIA von Willebrand disease. Lynch DC.
Ann N Y Acad Sci 1991;614:138–52 (22 ref.)
Platelet von Willebrand factor. Gralnick HR, et al.
Mayo Clin Proc 1991 Jun;66(6):634–40 (37 ref.)

COMPLICATIONS

Fetal periventricular hemorrhage in von Willebrand's disease: short review and first case presentation. Mullaart RA, et al. **Am J Perinatol** 1991 May;8(3):190–2 (16 ref.)
Association of von Willebrand's disease with plasma cell dyscrasia and gastrointestinal angiodysplasia. Rahmani R, et al. **Isr J Med Sci** 1990 Sep;26(9):504–9 (34 ref.)

DIAGNOSIS

Laboratory diagnosis of von Willebrand's disease. Triplett DA. **Mayo Clin Proc** 1991 Aug;66(8):832–40 (29 ref.)
[Von Willebrand's disease] Jeleńska MM.
Pol Arch Med Wewn 1990 Aug;84(2):105–13 (43 ref.) **(Pol)**
[Variant forms of von Willebrand's disease] Papaian LP, et al. **Ter Arkh** 1990;62(7):86–92 (48 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

The von Willebrand factor gene and genetics of von Willebrand's disease. Ginsburg D. **Mayo Clin Proc** 1991 May;66(5):506–15 (30 ref.)

IMMUNOLOGY

Alloantibodies in congenital von Willebrand's disease. Mannucci PM, et al. **Ric Clin Lab** 1991 Jan–Mar; 21(1):119–25 (20 ref.)

PHYSIOPATHOLOGY

Role of von Willebrand factor in arterial thrombosis. Studies in normal and von Willebrand disease pigs. Nichols TC, et al. **Circulation** 1991 Jun;83(6 Suppl):IV56–64 (61 ref.)

THERAPY

von Willebrand factor and animal models: contributions to gene therapy, thrombotic thrombocytopenic purpura, and coronary artery thrombosis. Brinkhous KM, et al.
Mayo Clin Proc 1991 Jul;66(7):733–42 (30 ref.)

VP 16-213 see **ETOPOSIDE**

VULVA

INJURIES

Traumatic vulvar hematomas. Assessing and treating nonobstetric patients. Gianini GD, et al. **Postgrad Med** 1991 Mar;89(4):115–8 (7 ref.)

MICROBIOLOGY

Microbiology of specialized skin: the vulva. Elsner P, et al.
Semin Dermatol 1990 Dec;9(4):300–4 (21 ref.)

VULVAR DISEASES

DIAGNOSIS

Vulvar dermatoses: common problems in dermatological and gynaecological practice. McKay M.
Br J Clin Pract Symp Suppl 1990 Sep;71:5–10 (3 ref.)

DRUG THERAPY

[Therapeutic proposals in vulvar dystrophy and burning vulva] Scrimin F, et al. **Minerva Ginecol** 1990 Dec; 42(12):495–8 (10 ref.) (Eng. Abstr.) **(Ita)**

PARASITOLOGY

Enterobius egg granuloma of the vulva and peritoneum: review of the literature. Sun T, et al.
Am J Trop Med Hyg 1991 Aug;45(2):249–53 (27 ref.)

PATHOLOGY

Benign persistent papular acantholytic and dyskeratotic eruption: a case report and review of the literature. Van Joost T, et al. **Br J Dermatol** 1991 Jan;124(1):92–5 (21 ref.)
Pathology of the vulva. Farnsworth A, et al.
Curr Opin Obstet Gynecol 1990 Jun;2(3):448–55 (21 ref.)
Idiopathic vulvar calcinosis. Balfour PJ, et al.
Histopathology 1991 Feb;18(2):183–4 (6 ref.)
[Fournier's gangrene] Turegano Fuentes F, et al.
Rev Quir Esp 1988 Jul–Aug;15(4):185–8 (13 ref.) (Eng. Abstr.) **(Spa)**

THERAPY

Traumatic vulvar hematomas. Assessing and treating nonobstetric patients. Gianini GD, et al. **Postgrad Med** 1991 Mar;89(4):115–8 (7 ref.)

VULVAR NEOPLASMS

The gynaecological problems of neurofibromatosis. Blickstein I, et al. **Aust N Z J Obstet Gynaecol** 1990 Nov; 30(4):380–2 (20 ref.)
Vulvar malignancy. Girtanner RE, et al.
Curr Opin Obstet Gynecol 1991 Feb;3(1):100–3 (15 ref.)

BLOOD

Carcinocythemia in a patient with rhabdomyosarcoma. Maldonado A, et al. **Bol Asoc Med P R** 1991 Jan;83(1):13–6 (15 ref.)

CHEMISTRY

Analysis of invasive squamous cell carcinoma of the vulva and vulvar intraepithelial neoplasia for the presence of human papillomavirus DNA. Rusk D, et al.
Obstet Gynecol 1991 Jun;77(6):918–22 (25 ref.)

COMPLICATIONS

Implications of human papillomavirus in cervical and vulvar cancer. Hatch KD. **Curr Opin Obstet Gynecol** 1990 Feb; 2(1):80–4 (17 ref.)

DIAGNOSIS

Neurofibroma of the clitoris. A case report. Nishimura K, et al. **Urol Int** 1991;46(1):109–11 (17 ref.)

EPIDEMIOLOGY

[Malignant tumors of the vulva. Incidence and epidemiologic characteristics] Iacobellis G, et al. **Minerva Ginecol** 1990 Jul–Aug;42(7–8):293–6 (23 ref.) (Eng. Abstr.) **(Ita)**

MICROBIOLOGY

[Vulvar lesions caused by Papillomavirus (HPV): effectiveness of thymopentin (Syntomoduline). First results and experiences] Di Stefano L, et al. **Minerva Ginecol** 1991 Jan-Feb;43(1-2):53-6 (10 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

Vulvar epithelioid sarcoma metastatic to the scalp. A case report and review of the literature. Weissmann D, et al. **Am J Dermatopathol** 1990 Oct;12(5):462-8 (35 ref.)
Pathology of the vulva. Farnsworth A, et al. **Curr Opin Obstet Gynecol** 1990 Jun;2(3):448-55 (21 ref.)
Pathology of the vulva. Kneale BL, et al. **Curr Opin Obstet Gynecol** 1991 Aug;3(4):548-52 (28 ref.)
Vulvar leiomyomatosis in a patient with esophagogastric leiomyomatosis: review of the syndrome. Faber K, et al. **Gynecol Oncol** 1991 Apr;41(1):92-4 (10 ref.)
Dermatofibrosarcoma protuberans of the vulva. Leake JF, et al. **Gynecol Oncol** 1991 Jun;41(3):245-9 (21 ref.)
Carcinoma of the vulva with sarcomatoid features: a case report with immunohistochemical study. Santeusanio G, et al. **Gynecol Oncol** 1991 Feb;40(2):160-3 (20 ref.)
Invasive adenocarcinoma arising in extramammary Paget's disease of the vulva. Evans AT, et al. **Histopathology** 1991 Apr;18(4):355-60 (38 ref.)
Cervical intraepithelial neoplasia III in an adolescent with Bowenoid papulosis. Stafford EM, et al. **J Adolesc Health Care** 1990 Nov;11(6):523-6 (17 ref.)
Granular cell tumors of the vulva. Majmudar B, et al. **J Reprod Med** 1990 Nov;35(11):1008-14 (34 ref.)
[Malignant melanoma of the vulva and vagina (a report of 4 cases and review of the literature)] Chakalova G, et al. **Akush Ginekol (Sofiia)** 1990;29(6):30-3 (14 ref.) (Eng. Abstr.) **(Bul)**

RADIOTHERAPY

Management of vulvar cancer. Perez CA. **Front Radiat Ther Oncol** 1991;25:183-6; discussion 207-8 (3 ref.)

SURGERY

Stage I small cell carcinoma of the vulva treated with vulvectomy, lymphadenectomy, and adjuvant chemotherapy. Cliby W, et al. **Cancer** 1991 May 1; 67(9):2415-7 (22 ref.)
Current treatment of small vulvar cancers. Hacker NF. **Oncology (Williston Park)** 1990 Aug;4(8):21-5; discussion 26, 28, 33 (32 ref.)
Current management of vulvar melanoma. Phillips GL. **Oncology (Williston Park)** 1990 Sep;4(9):61-4; discussion 66, 68 (22 ref.)
[Use of the CO2 laser in the lower genital tract] Spuhler S, et al. **Arch Gynecol Obstet** 1990;247 Suppl:S44-55 (30 ref.) **(Fre)**

THERAPY

Current management and treatment of squamous cell carcinoma of the vulva. Malfetano JH. **Semin Surg Oncol** 1990;6(6):354-8 (50 ref.)
[Treatment of condyloma acuminata using human lymphoblastoid interferon] Kinukawa T, et al. **Hinyokika Kiyo** 1990 Nov;36(11):1295-300 (17 ref.) (Eng. Abstr.) **(Jpn)**

VULVOVAGINITIS

Group A beta-hemolytic streptococcal vulvovaginitis in prepubertal girls: a case report and review of the past twenty years. Straumanis JP, et al. **Pediatr Infect Dis J** 1990 Nov;9(11):845-8 (15 ref.)

DRUG THERAPY

[Presenile and senile vulvovaginitis. Topical hormonal treatment with estriol] Sonni R, et al. **Minerva Ginecol** 1991 Apr;43(4):177-9 (10 ref.) (Eng. Abstr.) **(Ita)**

MICROBIOLOGY

[Tetridamine in the therapy of bacterial vaginosis] Pugliares S, et al. **Minerva Ginecol** 1991 May;43(5):245-51 (36 ref.) (Eng. Abstr.) **(Ita)**

VZ VIRUS see **VARICELLA-ZOSTER VIRUS**

WAARDENBURG'S SYNDROME

PHYSIOPATHOLOGY

Waardenburg I syndrome: a clinical and genetic study of two large Brazilian kindreds, and literature review. da-Silva EO. **Am J Med Genet** 1991 Jul 1;40(1):65-74 (76 ref.)

WAITING LISTS

Assigning priority to patients requiring coronary revascularization: consensus principles from a panel of cardiologists and cardiac surgeons. Naylor CD, et al. **Can J Cardiol** 1991 Jun;7(5):207-13 (13 ref.)
Waiting for placement: an exploratory analysis of determinants of delayed discharges of elderly hospital patients. Falcone D, et al. **Health Serv Res** 1991 Aug; 26(3):339-74 (47 ref.)
[Unacceptable long waiting for bypass surgery is frequent. Continuous development of coronary surgery is necessary] Ivert T. **Lakartidningen** 1991 Aug 28;88(35):2754-7 (15 ref.) **(Swe)**

WAKEFULNESS

see related
INSOMNIA

Molecular mechanisms of sleep-wake regulation: roles of prostaglandins D2 and E2. Hayaishi O. **FASEB J** 1991 Aug; 5(11):2575-81 (53 ref.)

PHYSIOLOGY

Serotonin and sleep-wakefulness. Wauquier A, et al. **Ann N Y Acad Sci** 1990;600:447-58; discussion 458-9 (95 ref.)
Field studies of sleep/wake patterns and performance: a laboratory experience. Broughton RJ. **Can J Psychol** 1991 Jun;45(2):240-53 (52 ref.)

WALDENSTROM'S HYPERGLOBULINEMIC PURPURA see **PURPURA, HYPERGLOBULINEMIC**

WALDENSTROM'S MACROGLOBULINEMIA see **MACROGLOBULINEMIA**

WALKERS

STANDARDS

Canes, crutches and walkers. Joyce BM, et al. **Am Fam Physician** 1991 Feb;43(2):535-42 (20 ref.)

WALKING

Arthritis and adaptive walking and running. Allen ME. **Rheum Dis Clin North Am** 1990 Nov;16(4):887-914 (174 ref.)

WALKING STICKS see **CANES**

WAR

Field surgery on a future conventional battlefield: strategy and wound management. Ryan JM, et al. **Ann R Coll Surg Engl** 1991 Jan;73(1):13-20 (91 ref.)
Characteristics of the ideal antibiotic for prevention of wound sepsis among military forces in the field. Hell K. **Rev Infect Dis** 1991 Jan-Feb;13 Suppl 2:S164-9 (34 ref.)

WAR NEUROSES see **COMBAT DISORDERS**

WARDS, GENERAL see **PATIENTS' ROOMS**

WARFARIN

ADMINISTRATION & DOSAGE

[Optimizing warfarin treatment] Ott P, et al. **Ugeskr Laeger** 1991 Jan 21;153(4):263-7 (30 ref.) (Eng. Abstr.) **(Dan)**

ADVERSE EFFECTS

Warfarin-induced skin necrosis. Comp PC, et al. **Semin Thromb Hemost** 1990 Oct;16(4):293-8 (82 ref.)

THERAPEUTIC USE

Therapy of acute thromboembolism with heparin and warfarin. Carter BL. **Clin Pharm** 1991 Jul;10(7):503-18 (143 ref.)

WART-HOG DISEASE VIRUS see **AFRICAN SWINE FEVER VIRUS**

WARTHIN TUMOR see **ADENOLYMPHOMA**

WARTS

Bridging the gap. Notes of a wart watcher. Beutner KR. **Arch Dermatol** 1990 Nov;126(11):1432-5 (22 ref.)
Plantar warts. Glover MG. **Foot Ankle** 1990 Dec;11(3):172-8 (63 ref.)

CLASSIFICATION

Nongenital warts: classification and treatment options. Bolton RA. **Am Fam Physician** 1991 Jun;43(6):2049-56 (18 ref.)

MICROBIOLOGY

Viral warts. Highet AS. **Semin Dermatol** 1988 Mar;7(1):53-7 (52 ref.)

THERAPY

Nongenital warts: classification and treatment options. Bolton RA. **Am Fam Physician** 1991 Jun;43(6):2049-56 (18 ref.)
Recombinant alpha-interferon and verruca plantaris. A review of the literature. Johnson RE, et al. **J Am Podiatr Med Assoc** 1991 May;81(5):253-7 (39 ref.)

WARTS, GENITAL see **CONDYLOMATA ACUMINATA**

WARTS, VENEREAL see **CONDYLOMATA ACUMINATA**

WASP VENOMS

CHEMISTRY

Neurotoxic kinins from wasp and ant venoms. Piek T. **Toxicon** 1991;29(2):139-49 (46 ref.)

PHARMACOLOGY

G protein activation: a receptor-independent mode of action for cationic amphiphilic neuropeptides and venom peptides [see comments] Mousli M, et al. **Trends Pharmacol Sci** 1990 Sep;11(9):358-62 (39 ref.) Comment in: Trends Pharmacol Sci 1990 Oct;11(10):400-1.

TOXICITY

Hepatotoxicity induced by the Oriental hornet (Vespa orientalis) venom sac extract. Neuman MG, et al. **Pharmacol Toxicol** 1991;69 Suppl 1:1-36 (233 ref.)

WASTE DISPOSAL, FLUID

[Management of waste disposal in medical institutions] Horváth A. **Orv Hetil** 1991 Apr 30;132(17):919-24 (18 ref.) (Eng. Abstr.) **(Hun)**
[Circulation of polioviruses in abiotic objects (review)] Bondarenko VI, et al. **Gig Sanit** 1991 Feb;(2):21-4 (67 ref.) **(Rus)**

METHODS

Microbial aggregates in anaerobic wastewater treatment. Kosaric N, et al. **Adv Biochem Eng Biotechnol** 1990; 42:27-62 (208 ref.)
Biological phosphorus removal in wastewater treatment. Timmerman MW. **Microbiol Sci** 1984 Sep;1(6):149-52 (24 ref.)

STANDARDS

[Soil hygiene after irrigation of agricultural fields with sewage water containing surface-active substances (review of the literature)] Mudryi IV. **Gig Sanit** 1990 Aug;(8):27-30 (34 ref.) **(Rus)**

WASTE DISPOSAL, SOLID see **REFUSE DISPOSAL**

WATER

see related
BODY WATER
MINERAL WATERS

Beyond water activity: recent advances based on an alternative approach to the assessment of food quality and safety. Slade L, et al. **Crit Rev Food Sci Nutr** 1991; 30(2-3):115-360 (443 ref.)
Contact lens considerations in surface and subsurface aqueous environments. Josephson JE, et al. **Optom Vis Sci** 1991 Jan;68(1):2-11 (72 ref.)
Human pathogenic viruses and parasites: emerging pathogens in the water cycle. West PA. **Soc Appl Bacteriol Symp Ser** 1991;20:107S-114S (91 ref.)
[The detection of Giardia lamblia in water] Andrik P, et al. **Angew Parasitol** 1990 Aug;31(3):182-4 (12 ref.) (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Mineral and water nutrition. Beede DK. **Vet Clin North Am Food Anim Pract** 1991 Jul;7(2):373-90 (60 ref.)

ADVERSE EFFECTS

Water-induced itching. Bircher AJ. **Dermatologica** 1990; 181(2):83-7 (39 ref.)
Aquagenic pruritus. Archer CB, et al. **Semin Dermatol** 1988 Dec;7(4):301-3 (14 ref.)

ANALYSIS

The measurement of water distribution in frozen specimens. von Zglinicki T. **J Microsc** 1991 Jan;161 (Pt 1):149-58 (52 ref.)

CHEMISTRY

Water structure at interfaces: the present situation. Bockris JO, et al. **Adv Colloid Interface Sci** 1990 Sep 24;33(1):1-54 (121 ref.)
Protein hydration and function. Rupley JA, et al. **Adv Protein Chem** 1991;41:37-172 (407 ref.)
[Basic factors in the stability of RNA-duplexes. The contribution of dehydration] Shvarts VS, et al. **Mol Biol (Mosk)** 1990 Nov-Dec;24(6):1484-94 (17 ref.) (Eng. Abstr.) **(Rus)**

METABOLISM

Water transport in extracellular matrices. Comper WD, et al. **Connect Tissue Res** 1990;25(2):89-102 (25 ref.)
Pharmacologic modification of transperitoneal movement of water. Grzegorzewska AE. **Perit Dial Int** 1990;10(4):291-4

(38 ref.)
On the existence of bound water in biological systems as probed by dielectric spectroscopy. Kaatze U. **Phys Med Biol** 1990 Dec;35(12):1663–81 (62 ref.)
Triple signal transduction model for the mechanism of PGE2 actions in rabbit cortical collecting duct. Hébert RL, et al. **Prostaglandins Leukot Essent Fatty Acids** 1991 Mar; 42(3):143–8 (36 ref.)
[Ultrastructural changes in the cells of the vasopressin-sensitive epithelia during the stimulation of water transport] Snigirevskaia ES. **Tsitologiia** 1990; 32(8):766–94 (242 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Role of water in some biological processes. Wiggins PM. **Microbiol Rev** 1990 Dec;54(4):432–49 (130 ref.)
[The role of water in cell function] Watterson JG. **Biofizika** 1991 Jan–Feb;36(1):5–30 (117 ref.) **(Rus)**

WATER BUFFALOES see **BUFFALOES**

WATER-ELECTROLYTE BALANCE

see related
FLUID THERAPY
REHYDRATION SOLUTIONS

Meeting carbohydrate and fluid needs in soccer. Shephard RJ. **Can J Sport Sci** 1990 Sep;15(3):165–71 (70 ref.)
Cellular mechanisms underlying the production of primary secretory fluid in salivary glands. Martinez JR. **Crit Rev Oral Biol Med** 1990;1(1):67–78 (84 ref.)
Importance of organic osmolytes for osmoregulation by renal medullary cells. Garcia-Perez A, et al. **Hypertension** 1990 Dec;16(6):595–602 (53 ref.)
A review of the physiological significance of hypertonic body fluids on feed intake and ruminal function: salivation, motility and microbes. Carter RR, et al. **J Anim Sci** 1990 Sep;68(9):2811–32 (161 ref.)
Role of organic osmolytes in adaptation of renal cells to high osmolality. Garcia-Perez A, et al. **J Membr Biol** 1991 Jan; 119(1):1–13 (73 ref.)
Fluid and electrolyte loss and replacement in exercise. Maughan RJ. **J Sports Sci** 1991 Summer;9 Spec No:117–42 (113 ref.)

DRUG EFFECTS

Effects of eicosanoids on the water and sodium balance of the neonate. Reyes JL, et al. **Pediatr Nephrol** 1990 Nov; 4(6):630–4 (45 ref.)
Disruption of cellular elements and water in neurotoxicity: studies using electron probe X-ray microanalysis. LoPachin RM Jr, et al. **Toxicol Appl Pharmacol** 1990 Dec; 106(3):355–74 (145 ref.)
[Diuretics: mechanism of action and therapeutic indications] Rorive G, et al. **Rev Med Liege** 1990 Aug;45(8):365–74 (7 ref.) **(Fre)**
[Clinical pharmacology of diuretics] Orlov VA, et al. **Klin Med (Mosk)** 1991 Feb;69(2):17–23 (11 ref.) **(Rus)**

PHYSIOLOGY

Regulation of water and salt transport in collecting duct through calcium-dependent signaling mechanisms. Breyer MD. **Am J Physiol** 1991 Jan;260(1 Pt 2):F1–11 (110 ref.)
Organic osmolytes in methanogenic archaebacteria. Robertson DE, et al. **Biofactors** 1991 Jan;3(1):1–9 (48 ref.)
How can free radicals cause damage to hepatic cells. A multidisciplinary approach. Varga M. **Drug Alcohol Depend** 1991 Mar;27(2):117–9 (21 ref.)
A rational approach to disorders of water balance in psychiatric patients. Goldman MB. **Hosp Community Psychiatry** 1991 May;42(5):488–94 (35 ref.)
Electrolyte balance. Aperia A, et al. **Int J Technol Assess Health Care** 1991;7 Suppl 1:90–3 (31 ref.)
Water and heat balance. Hammarlund K. **Int J Technol Assess Health Care** 1991;7 Suppl 1:85–9 (25 ref.)
Cellular mechanisms of prostaglandin E2 and vasopressin interactions in the collecting duct. Breyer MD, et al. **Kidney Int** 1990 Oct;38(4):618–24 (46 ref.)
Countercurrent system. Sands JM, et al. **Kidney Int** 1990 Oct; 38(4):695–9 (64 ref.)
Is the extracellular matrix an integral and dynamic component of the sodium and water homeostatic system? Lloyd IJ. **Med Hypotheses** 1990 Nov;33(3):197–9 (22 ref.)
Heat illness. Fluid and electrolyte issues for pediatric and adolescent athletes. Squire DL. **Pediatr Clin North Am** 1990 Oct;37(5):1085–109 (99 ref.)
Renal regulation of salt balance: a primer for non-purists. Sonnenberg H. **Pediatr Nephrol** 1990 Jul;4(4):354–7 (21 ref.)
Dopaminergic control of neonatal salt and water metabolism. Sulyok E. **Pediatr Nephrol** 1988 Jan;2(1):163–5 (11 ref.)
On the waterfront: predictive and reactive regulatory descriptions of thirst and sodium appetite. Rowland NE. **Physiol Behav** 1990 Dec;48(6):899–903 (29 ref.)
A possible role of dopamine in salt balance. McClelland DL, et al. **Proc West Pharmacol Soc** 1990;33:29–30 (9 ref.)
Taurine and volume regulation in fish cells. Fugelli K, et al. **Prog Clin Biol Res** 1990;351:481–8 (13 ref.)
Taurine transport and cell volume regulation in a mammalian cell. Lambert IH, et al. **Prog Clin Biol Res** 1990;351:267–76 (26 ref.)
Derangements in cerebral osmohomeostasis: a common denominator for stimulation of taurine and phosphoethanolamine release. Lehmann A. **Prog Clin Biol Res** 1990;351:337–47 (34 ref.)
Taurine and mechanisms of cell volume regulation. Pasantes-Morales H, et al. **Prog Clin Biol Res** 1990; 351:317–28 (82 ref.)
Taurine release associated to cell swelling in the nervous system. Pasantes-Morales H, et al. **Prog Clin Biol Res** 1990; 351:369–76 (22 ref.)
Neuronal discharge hypersynchrony and the intracranial water balance in relation to glutamic acid and taurine redistribution: migraine and epilepsy. van Gelder NM. **Prog Clin Biol Res** 1990;351:1–20 (83 ref.)
[Hormonal regulation in the balance of the water and electrolytes] Liu ZF. **Sheng Li Ko Hsueh Chin Chan** 1990 Jul;21(3):279–81 (39 ref.) **(Chi)**
[Changes in the water-electrolyte balance and kidney function in the elderly] Sugino N. **Masui** 1991 Jun; 40(6):864–7 (5 ref.) **(Jpn)**
[Osmoregulation in cyanobacteria] Takabe T. **Tanpakushitsu Kakusan Koso** 1991 Jul;36(9):1616–20 (20 ref.) **(Jpn)**
[Regulation of water-electrolyte balance in cirrhosis of the liver] Winnicki C. **Pol Tyg Lek** 1990 Apr 16–30; 45(16–18):361–4 (20 ref.) **(Pol)**
[Ion and water transport in human large intestine in the normal state and pathology] Loginov AS, et al. **Klin Med (Mosk)** 1990 Sep;68(9):28–31 (36 ref.) **(Rus)**
[Role of the osmoregulating system in the pathogenesis of edema] Finkinshtein IaD. **Ter Arkh** 1990;62(12):122–4 (20 ref.) **(Rus)**

WATER-ELECTROLYTE IMBALANCE

see related
FLUID THERAPY
REHYDRATION SOLUTIONS

DIAGNOSIS

[Inappropriate ADH syndrome] Strózik K. **Przegl Lek** 1990; 47(8):615–8 (32 ref.) **(Pol)**

ETIOLOGY

The TURP syndrome. Jensen V. **Can J Anaesth** 1991 Jan; 38(1):90–6 (39 ref.)
[Diagnosis and therapy of life-threatening disorders of water and electrolyte balance] Kemmer FW, et al. **Internist (Berl)** 1991 Apr;32(4):206–19 (87 ref.) **(Ger)**
[Regulation of water-electrolyte balance in cirrhosis of the liver] Winnicki C. **Pol Tyg Lek** 1990 Apr 16–30; 45(16–18):361–4 (20 ref.) **(Pol)**

GENETICS

[Genetic aspects of systemic arterial hypertension] Leshchinskiĭ PM, et al. **Kardiologiia** 1990 Jul;30(7):101–5 (81 ref.) **(Rus)**

PHYSIOPATHOLOGY

Extrarenal receptor-effector-mechanisms for aldosterone: the sequence of effects on the cellular electrolyte transport in human lymphocytes and their implications for disorders of the water and electrolyte balances. Wehling M, et al. **Acta Endocrinol (Copenh)** 1990 Oct;123(4):385–94 (59 ref.)
Electrolyte abnormalities in the alcoholic patient. Ragland G. **Emerg Med Clin North Am** 1990 Nov;8(4):761–73 (63 ref.)
Thermoregulation under conditions of impaired body fluid/osmotic balance in mammals. Horowitz M. **J Basic Clin Physiol Pharmacol** 1990 Jan–Dec; 1(1–4):267–76 (20 ref.)

WATER INTOXICATION

see related
WATER-ELECTROLYTE IMBALANCE

ETIOLOGY

Schizophrenia and fatal self-induced water intoxication with appropriately-diluted urine. Kushnir M, et al. **Am J Med Sci** 1990 Dec;300(6):385–7 (17 ref.)
Acute water intoxication as a complication of urine drug testing in the workplace [see comments] Klonoff DC, et al. **JAMA** 1991 Jan 2;265(1):84–5 (27 ref.) Comment in: JAMA 1991 May 22–29;265(20):2672.

PHYSIOPATHOLOGY

A rational approach to disorders of water balance in psychiatric patients. Goldman MB. **Hosp Community Psychiatry** 1991 May;42(5):488–94 (35 ref.)
A review of disorders of water homeostasis in psychiatric patients. Riggs AT, et al. **Psychosomatics** 1991 Spring; 32(2):133–48 (129 ref.)

WATER LOSS, INSENSIBLE

PHYSIOLOGY

Water and heat balance. Hammarlund K. **Int J Technol Assess Health Care** 1991;7 Suppl 1:85–9 (25 ref.)

WATER MICROBIOLOGY

Determination of bacterial growth and activity at solid–liquid interfaces. Geesey GG, et al. **Annu Rev Microbiol** 1990; 44:579–602 (124 ref.)
Formation and breakdown of glycine betaine and trimethylamine in hypersaline environments. Oren A. **Antonie Van Leeuwenhoek** 1990 Nov;58(4):291–8 (51 ref.)
Soil and groundwater transport of microorganisms. Berry DF, et al. **Biotechnology** 1991;15:57–73 (84 ref.)
Surface transport of microorganisms by water. Moore JA. **Biotechnology** 1991;15:41–55 (56 ref.)
Presence of enteric viruses in freshwater and their removal by the conventional drinking water treatment process. Hurst CJ. **Bull World Health Organ** 1991;69(1):113–9 (32 ref.)
Family Spirosomaceae: gram-negative ring-forming aerobic bacteria. Raj HD, et al. **Crit Rev Microbiol** 1990; 17(5):329–64 (111 ref.)
Waterborne transmission and the evolution of virulence among gastrointestinal bacteria. Ewald PW. **Epidemiol Infect** 1991 Feb;106(1):83–119 (320 ref.)
Aeromonas and Plesiomonas as food- and waterborne pathogens. Wadström T, et al. **Int J Food Microbiol** 1991 Apr;12(4):303–11 (37 ref.)
Microbial degradation of hydrocarbons in the environment. Leahy JG, et al. **Microbiol Rev** 1990 Sep;54(3):305–15 (157 ref.)
Dissimilatory Fe(III) and Mn(IV) reduction. Lovley DR. **Microbiol Rev** 1991 Jun;55(2):259–87 (342 ref.)
Antibiotic pollution from fish farms: effects on aquatic microflora. Austin B. **Microbiol Sci** 1985;2(4):113–7 (16 ref.)
Controlled marine ecosystems in the investigation of oil biodegradation at sea. Bertrand JC. **Microbiol Sci** 1986 Jul; 3(7):197–200 (31 ref.)
Distribution and persistence of Legionella in water systems. Colbourne JS, et al. **Microbiol Sci** 1985;2(2):40–3 (33 ref.)
Ecological strategies of barophilic bacteria in the deep ocean. Deming JW. **Microbiol Sci** 1986 Jul;3(7):205–11 (36 ref.)
In situ determination of metabolic activity in aquatic environments. Findlay RH, et al. **Microbiol Sci** 1984 Jul; 1(4):90–2,95 (40 ref.)
Bacteriophages as model organisms in water treatment. Havelaar AH. **Microbiol Sci** 1987 Dec;4(12):362–4 (22 ref.)
The Na(+)-motive respiratory chain of marine bacteria. Tokuda H, et al. **Microbiol Sci** 1985;2(3):65–6, 69–71 (27 ref.)
Mycobacteria in the environment. Jenkins PA. **Soc Appl Bacteriol Symp Ser** 1991;20:137S–141S (15 ref.)
Survival and growth of Legionella species in the environment. Lee JV, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:121S–129S (54 ref.)
Effects of aquatic environmental stress on enteric bacterial pathogens. McFeters GA, et al. **Soc Appl Bacteriol Symp Ser** 1991;20:115S–120S (29 ref.)
Aeromonads and their significance as potential pathogens in water. Schubert RH. **Soc Appl Bacteriol Symp Ser** 1991; 20:131S–135S (22 ref.)
Human pathogenic viruses and parasites: emerging pathogens in the water cycle. West PA. **Soc Appl Bacteriol Symp Ser** 1991;20:107S–114S (91 ref.)
Aquatic and terrestrial bacteria in diving environments: monitoring and significance. Joseph SW, et al. **Undersea Biomed Res** 1991 May;18(3):187–91 (16 ref.)
Environmental aspects of Campylobacter infections. Stelzer W, et al. **Zentralbl Mikrobiol** 1991;146(1):3–15 (51 ref.)
[Criticism and recommendations for improvements of the drinking water regulation and of the European Community guideline 80/778/EWG] Müller HE. **Off Gesundheitswes** 1990 Oct;52(10):585–91 (68 ref.) (Eng. Abstr.) **(Ger)**
[Circulation of polioviruses in abiotic objects (review)] Bondarenko VI, et al. **Gig Sanit** 1991 Feb;(2):21–4 (67 ref.) **(Rus)**

STANDARDS

Protection of recreational divers against water-borne microbiological hazards. Masterson BF. **Undersea Biomed Res** 1991 May;18(3):197–203 (61 ref.)
[Principles of water disinfection] Carlson S. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:25–49 (34 ref.) **(Ger)**
[Open questions on biochemical toxicology of hydrogen peroxide] Dieter HH. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:59–72 (35 ref.) **(Ger)**
[Oxidation as a step in water processing] Gilbert E. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:73–91 (26 ref.) **(Ger)**
[Legionella--new pathogens in the water] Seidel K. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:51–8 (18 ref.) **(Ger)**

WATER POLLUTANTS

ANALYSIS

Water analysis. MacCarthy P, et al. **Anal Chem** 1991 Jun 15;63(12):301R–342R (1300 ref.)

WATER POLLUTANTS, CHEMICAL

The impact of heavy metals on lowland rivers and the implications for man and the environment. Bubb JM, et al. **Sci Total Environ** 1991 Mar;100 Spec No:207–33 (193 ref.)

[The toxicology of caprolactam—a pollutant of water and food (a review)] Sheftel' VO. **Gig Sanit** 1990 Oct;(10):33–4 (17 ref.) **(Rus)**

ADVERSE EFFECTS

Carcinogens and cancers in freshwater fishes. Black JJ, et al. **Environ Health Perspect** 1991 Jan;90:27–33 (65 ref.)

Carcinogen adducts as an indicator for the public health risks of consuming carcinogen–exposed fish and shellfish. Dunn BP. **Environ Health Perspect** 1991 Jan;90:111–6 (51 ref.)

Carcinogenesis studies in rodents for evaluating risks associated with chemical carcinogens in aquatic food animals. Huff J, et al. **Environ Health Perspect** 1991 Jan; 90:127–32 (101 ref.)

Relationships between hepatic neoplasms and related lesions and exposure to toxic chemicals in marine fish from the U.S. West Coast. Myers MS, et al. **Environ Health Perspect** 1991 Jan;90:7–15 (44 ref.)

Epidemiologic approaches to assessing human cancer risk from consuming aquatic food resources from chemically contaminated water. Ozonoff D, et al. **Environ Health Perspect** 1991 Jan;90:141–6 (79 ref.)

[Open questions on biochemical toxicology of hydrogen peroxide] Dieter HH. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:59–72 (35 ref.) **(Ger)**

ANALYSIS

Monitoring groundwater and well water for crop protection chemicals. Graham JA. **Anal Chem** 1991 Jun 1; 63(11):613A–622A (39 ref.)

Microbial biosensors for environmental monitoring. Gaisford WC, et al. **Biochem Soc Trans** 1991 Feb;19(1):15–8 (7 ref.)

Critical effective methods to detect genotoxic carcinogens and neoplasm–promoting agents. Weisburger JH, et al. **Environ Health Perspect** 1991 Jan;90:121–6 (60 ref.)

Mutagenic compounds in chlorinated pulp bleaching waters and drinking waters. Holmbom B. **IARC Sci Publ** 1990; (104):333–40 (24 ref.)

Drinking water and human cancer. McMichael AJ. **IARC Sci Publ** 1990;(104):298–306 (43 ref.)

Cytology of pollutant metals in marine invertebrates: a review of microanalytical applications. Nott JA. **Scanning Microsc** 1991 Mar;5(1):191–204; discussion 204–5 (90 ref.)

[Significance of processing drinking water within the total concept of drinking water management] Bernhardt H. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:5–24 (43 ref.) **(Ger)**

[Polychlorinated dibenzodioxins and dibenzofurans in water, sediment and soil. A general overview of the pollution status] Christmann W. **Schriftenr Ver Wasser Boden Lufthyg** 1990;82:71–82 (9 ref.) **(Ger)**

[Oxidation as a step in water processing] Gilbert E. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:73–91 (26 ref.) **(Ger)**

[Approval of additives for drinking water and purity requirements] Grohmann A. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:111–24 (20 ref.) **(Ger)**

[Additives and DVGW regulations] Liessfeld R. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:93–102 (7 ref.) **(Ger)**

[Study methods for the detection of halogenated organic compounds in ground water] Ott O, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1990;82:37–46 (10 ref.) **(Ger)**

[Additives in DIN regulations] Prüfrock W, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:103–10 (6 ref.) **(Ger)**

ISOLATION & PURIFICATION

Biological phosphorus removal in wastewater treatment. Timmerman MW. **Microbiol Sci** 1984 Sep;1(6):149–52 (24 ref.)

METABOLISM

Biogeochemical processes governing exposure and uptake of organic pollutant compounds in aquatic organisms. Farrington JW. **Environ Health Perspect** 1991 Jan;90:75–84 (99 ref.)

Cytochrome P–450 monooxygenase systems in aquatic species: carcinogen metabolism and biomarkers for carcinogen and pollutant exposure. Stegeman JJ, et al. **Environ Health Perspect** 1991 Jan;90:101–9 (74 ref.)

PHARMACOKINETICS

Bioavailability of organochlorines in fish. Gobas FA, et al. **Comp Biochem Physiol [C]** 1991;100(1–2):17–20 (19 ref.)

Bioavailability of organic chemicals in the aquatic environment. Schrap SM. **Comp Biochem Physiol [C]** 1991; 100(1–2):13–6 (15 ref.)

Disposition of xenobiotic chemicals and metabolites in marine organisms. Varanasi U, et al. **Environ Health Perspect** 1991 Jan;90:93–100 (33 ref.)

POISONING

Effects of organochlorine chemicals on the reproductive outcome of humans who consumed contaminated Great Lakes fish: an epidemiologic consideration. Swain WR. **J Toxicol Environ Health** 1991 Aug;33(4):587–639 (89 ref.)

TOXICITY

Perspectives in aquatic toxicology. Malins DC, et al. **Annu Rev Pharmacol Toxicol** 1991;31:371–99 (167 ref.)

Structural and functional effects of heavy metals on the nervous system, including sense organs, of fish. Baatrup E. **Comp Biochem Physiol [C]** 1991;100(1–2):253–7 (60 ref.)

Assessment of animal behaviour as a method to indicate environmental toxicity. Døving KB. **Comp Biochem Physiol [C]** 1991;100(1–2):247–52 (52 ref.)

Oxidants and antioxidants in aquatic animals. Winston GW. **Comp Biochem Physiol [C]** 1991;100(1–2):173–6 (34 ref.)

Electrophiles and acute toxicity to fish. Hermens JL. **Environ Health Perspect** 1990 Jul;87:219–25 (32 ref.)

Genotoxicity of drinking waters. Tuomisto J, et al. **IARC Sci Publ** 1990;(104):307–13 (28 ref.)

The case for a cause–effect linkage between environmental contamination and development in eggs of the common snapping turtle (Chelydra S.serpentina) from Ontario, Canada. Bishop CA, et al. **J Toxicol Environ Health** 1991 Aug;33(4):521–47 (54 ref.)

Cause–effect linkages between chemicals and populations of mink (Mustela vison) and otter (Lutra canadensis) in the Great Lakes basin. Wren CD. **J Toxicol Environ Health** 1991 Aug;33(4):549–85 (104 ref.)

Pollutant toxicity to aquatic animals—methods of study and their applications. Abel PD. **Rev Environ Health** 1989 Jan–Dec;8(1–4):119–55 (213 ref.)

The eel (Anguilla sp) and organic chemical pollutants. Brusle J. **Sci Total Environ** 1991 Feb;102:1–19 (72 ref.)

[Environmental health related evaluation of halogenated organic compounds] Dieter HH. **Schriftenr Ver Wasser Boden Lufthyg** 1990;82:23–36 (23 ref.) **(Ger)**

[The toxicity of several polychlorinated hydrocarbons] Krowke R. **Schriftenr Ver Wasser Boden Lufthyg** 1990; 82:9–21 (24 ref.) **(Ger)**

[Pollution of soil and ground water by volatile halogenated hydrocarbons caused by environmental accidents in South Hessen] Toussaint B. **Schriftenr Ver Wasser Boden Lufthyg** 1990;82:139–69 (24 ref.) **(Ger)**

[Soil hygiene after irrigation of agricultural fields with sewage water containing surface–active substances (review of the literature)] Mudryĭ IV. **Gig Sanit** 1990 Aug;(8):27–30 (34 ref.) **(Rus)**

[Health–related properties of polyamines (review)] Sheftel' VO. **Gig Sanit** 1991 Apr;(4):29–31 (19 ref.) **(Rus)**

WATER POLLUTION

Poultry production's environmental impact on water quality. Pope CW. **Poult Sci** 1991 May;70(5):1123–5 (11 ref.)

[Circulation of polioviruses in abiotic objects (review)] Bondarenko VI, et al. **Gig Sanit** 1991 Feb;(2):21–4 (67 ref.) **(Rus)**

ADVERSE EFFECTS

Influence of pollution on parasites of aquatic animals. Khan RA, et al. **Adv Parasitol** 1991;30:201–38 (143 ref.)

LEGISLATION & JURISPRUDENCE

[Criticism and recommendations for improvements of the drinking water regulation and of the European Community guideline 80/778/EWG] Müller HE. **Off Gesundheitswes** 1990 Oct;52(10):585–91 (68 ref.) (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

[Advances in the disinfection of water distribution systems for Legionella] Cheng JP, et al. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1990 Oct; 11(5):309–12 (23 ref.) **(Chi)**

WATER POLLUTION, CHEMICAL

[Impact of vector control on the aquatic environment] Lévêque C. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:119–24 (14 ref.) (Eng. Abstr.) **(Fre)**

[Toxicology of the hydrosphere] Tolokontsev NA. **Vestn Akad Med Nauk SSSR** 1991;(1):33–8 (33 ref.) (Eng. Abstr.) **(Rus)**

[Nitrates in drinking water in the Valencia community. Indirect risk of methemoglobinemia in infants] Vitoria Miñana I, et al. **An Esp Pediatr** 1991 Jan;34(1):43–50 (22 ref.) (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Antibiotic pollution from fish farms: effects on aquatic microflora. Austin B. **Microbiol Sci** 1985;2(4):113–7 (16 ref.)

LEGISLATION & JURISPRUDENCE

[Significance of processing drinking water within the total concept of drinking water management] Bernhardt H. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:5–24 (43 ref.) **(Ger)**

[Approval of additives for drinking water and purity requirements] Grohmann A. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:111–24 (20 ref.) **(Ger)**

[Additives and DVGW regulations] Liessfeld R. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:93–102 (7 ref.) **(Ger)**

[Additives in DIN regulations] Prüfrock W, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:103–10 (6 ref.) **(Ger)**

WATER POLLUTION, RADIOACTIVE

ANALYSIS

Radioactivity in the Great Lakes. Joshi SR. **Sci Total Environ** 1991 Mar;100 Spec No:61–104 (105 ref.)

WATER SUPPLY

Water analysis. MacCarthy P, et al. **Anal Chem** 1991 Jun 15;63(12):301R–342R (1300 ref.)

Nutritional requirements of aeromonads and their multiplication in drinking water. van der Kooij D. **Experientia** 1991 May 15;47(5):444–6 (13 ref.)

Distribution and persistence of Legionella in water systems. Colbourne JS, et al. **Microbiol Sci** 1985;2(2):40–3 (33 ref.)

[Fluorosis due to fluoride in drinking water. A health risk even in Norway?] Løkken P, et al. **Tidsskr Nor Laegeforen** 1991 May 10;111(12):1506–7 (8 ref.) (Eng. Abstr.) **(Nor)**

[Nitrates in drinking water in the Valencia community. Indirect risk of methemoglobinemia in infants] Vitoria Miñana I, et al. **An Esp Pediatr** 1991 Jan;34(1):43–50 (22 ref.) (Eng. Abstr.) **(Spa)**

ANALYSIS

Monitoring groundwater and well water for crop protection chemicals. Graham JA. **Anal Chem** 1991 Jun 1; 63(11):613A–622A (39 ref.)

Water treatment systems for pharmaceutical purposes [published erratum appears in Boll Chim Farm 1990 Dec;129(12):following 329] Pregnolato F. **Boll Chim Farm** 1990 Mar;129(3):122–39 (12 ref.)

Prevalence of dental caries and enamel defects in children living in areas with different water fluoride concentrations. Angelillo IF, et al. **Community Dent Health** 1990 Sep; 7(3):229–36 (30 ref.)

Focus on toxicological aspects of pesticide chemical interaction in drinking water contamination. Cova D, et al. **Ecotoxicol Environ Safety** 1990 Dec;20(3):234–40 (29 ref.)

Mutagenic compounds in chlorinated pulp bleaching waters and drinking waters. Holmbom B. **IARC Sci Publ** 1990; (104):333–40 (24 ref.)

Drinking water and human cancer. McMichael AJ. **IARC Sci Publ** 1990;(104):298–306 (43 ref.)

Genotoxicity of drinking waters. Tuomisto J, et al. **IARC Sci Publ** 1990;(104):307–13 (28 ref.)

[Study methods for the detection of halogenated organic compounds in ground water] Ott O, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1990;82:37–46 (10 ref.) **(Ger)**

[Pollution of soil and ground water by volatile halogenated hydrocarbons caused by environmental accidents in South Hessen] Toussaint B. **Schriftenr Ver Wasser Boden Lufthyg** 1990;82:139–69 (24 ref.) **(Ger)**

LEGISLATION & JURISPRUDENCE

[Criticism and recommendations for improvements of the drinking water regulation and of the European Community guideline 80/778/EWG] Müller HE. **Off Gesundheitswes** 1990 Oct;52(10):585–91 (68 ref.) (Eng. Abstr.) **(Ger)**

[Significance of processing drinking water within the total concept of drinking water management] Bernhardt H. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:5–24 (43 ref.) **(Ger)**

[Oxidation as a step in water processing] Gilbert E. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:73–91 (26 ref.) **(Ger)**

[Approval of additives for drinking water and purity requirements] Grohmann A. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:111–24 (20 ref.) **(Ger)**

[Additives and DVGW regulations] Liessfeld R. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:93–102 (7 ref.) **(Ger)**

[Additives in DIN regulations] Prüfrock W, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1989;81:103–10 (6 ref.) **(Ger)**

[Legionella—new pathogens in the water] Seidel K.

Schriftenr Ver Wasser Boden Lufthyg 1989;81:51–8 (18 ref.) (Ger)

STANDARDS

Health risks of foreign travel. Preparing adults for jaunts abroad. Spees DN. Postgrad Med 1991 Jun;89(8):147–50, 153, 156 (18 ref.)

[Principles of water disinfection] Carlson S. Schriftenr Ver Wasser Boden Lufthyg 1989;81:25–49 (34 ref.) (Ger)

WATERHOUSE–FRIDERICHSEN SYNDROME

MICROBIOLOGY

Purpura fulminans and adrenal hemorrhage due to group Y meningococcemia in an elderly woman. Marnejon T, et al. South Med J 1991 Apr;84(4):527–9 (23 ref.)

WATERY DIARRHEA SYNDROME see DIARRHEOGENIC TUMOR

WATERY DIARRHEA WITH HYPOKALEMIC ALKALOSIS see DIARRHEOGENIC TUMOR

WDHA see DIARRHEOGENIC TUMOR

WDHH see DIARRHEOGENIC TUMOR

WEANING

Weaning as an approach to the 'non-self'. Burgio GR, et al. Beitr Infusionther 1991;27:15–30 (51 ref.)

Weaning in European and Latin American countries. Casado de Frias E, et al. Beitr Infusionther 1991;27:1–14 (34 ref.)

Role of proteins and fats in weaning. Giovannini M, et al. Beitr Infusionther 1991;27:39–52 (39 ref.)

Development of the human gastrointestinal tract: implications for weaning. Guandalini S. Beitr Infusionther 1991;27:31–8 (28 ref.)

Inadequate vegan diets at weaning. Nutr Rev 1990 Aug; 48(8):323–6 (12 ref.)

WEAVER MICE see MICE, NEUROLOGIC MUTANTS

WEBER-CHRISTIAN DISEASE see PANNICULITIS, NODULAR NONSUPPURATIVE

WECHSLER SCALES

Psychological assessment versus psychological testing. Validation from Binet to the school, clinic, and courtroom. Matarazzo JD. Am Psychol 1990 Sep;45(9):999–1017 (63 ref.)

STATISTICS & NUMERICAL DATA

Sex differences among non-brain-damaged adults on the Wechsler Adult Intelligence Scales: a review of the literature. Snow WG, et al. J Clin Exp Neuropsychol 1990 Dec;12(6):873–86 (62 ref.)

WEGENER'S GRANULOMATOSIS

[Favorable outcome of Wegener's disease limited to the lungs. Apropos of a case] Justrabo E, et al. Rev Mal Respir 1990; 7(1):69–72 (11 ref.) (Eng. Abstr.) (Fre)

COMPLICATIONS

Infectious complications in the management of systemic vasculitis and rapidly progressive glomerulonephritis. Neild GH. APMIS Suppl 1990;19:56–60 (26 ref.)

Wegener's granulomatosis: otorhinolaryngological manifestations. Murty GE. Clin Otolaryngol 1990 Aug; 15(4):385–93 (104 ref.)

Wegener's granulomatosis presenting as diffuse pulmonary hemorrhage. Misset B, et al. Intensive Care Med 1991; 17(2):118–20 (12 ref.)

Wegener's granulomatosis presenting as subglottic stenosis. Morris CJ, et al. J Ky Med Assoc 1990 Oct;88(10):547–50 (9 ref.)

Diabetes insipidus secondary to Wegener's granulomatosis: report and review of the literature. Rosete A, et al. J Rheumatol 1991 May;18(5):761–5 (14 ref.)

DIAGNOSIS

The ANCA test: its clinical relevance. Ramírez G, et al. Ann Rheum Dis 1990 Oct;49(10):741–2 (34 ref.)

Wegener's granulomatosis, systemic vasculitis, and antineutrophil cytoplasmic autoantibodies. Falk RJ, et al. Annu Rev Med 1991;42:459–69 (41 ref.)

[An atypical case of Wegener's disease] Carrat X, et al. Rev Laryngol Otol Rhinol (Bord) 1991;112(3):245–7 (25 ref.) (Eng. Abstr.) (Fre)

[Antineutrophil cytoplasmic antibodies: a new diagnostic tool] Papo T, et al. Rev Med Interne 1991 Jan–Feb; 12(1):60–5 (57 ref.) (Eng. Abstr.) (Fre)

[Wegener's granulomatosis] Gina R, et al. Pol Tyg Lek 1990 Nov 19–26;45(47–48):971–3 (31 ref.) (Pol)

DRUG THERAPY

The effect of immunosuppressive treatment on ANCA. Petersen J, et al. APMIS Suppl 1990;19:40–1 (6 ref.)

Treatment of Wegener's granulomatosis after renal transplantation: is cyclosporine the preferred treatment? Clarke AE, et al. Transplantation 1990 Dec;50(6):1047–51 (25 ref.)

[Carcinoma of the urinary bladder in a patient receiving cyclophosphamide for Wegener's granuloma: a case report] Shiba T, et al. Hinyokika Kiyo 1991 Apr;37(4):393–6 (18 ref.) (Eng. Abstr.) (Jpn)

GENETICS

Wegener's granulomatosis occurring in siblings. Hay EM, et al. Br J Rheumatol 1991 Apr;30(2):144–5 (8 ref.)

IMMUNOLOGY

The pathogenic role of antineutrophil cytoplasmic autoantibodies. Ewert BH, et al. Am J Kidney Dis 1991 Aug;18(2):188–95 (41 ref.)

Current classification and definitions of autoantibodies to neutrophil granulocytes. Wiik A. APMIS Suppl 1990; 19:24–5 (8 ref.)

PATHOLOGY

Wegener's granulomatosis and other systemic granulomatous conditions. Leavitt RY, et al. Curr Opin Rheumatol 1990 Feb;2(1):55–9 (16 ref.)

Wegener's granulomatosis. Leavitt RY, et al. Curr Opin Rheumatol 1991 Feb;3(1):8–14 (24 ref.)

PHYSIOPATHOLOGY

Criteria for disease activity in Wegener's granulomatosis: a requirement for longitudinal clinical studies. Kallenberg CG, et al. APMIS Suppl 1990;19:37–9 (7 ref.)

Clinical manifestations of Wegener's granulomatosis. Lehmann H, et al. APMIS Suppl 1990;19:19–20 (8 ref.)

RADIOGRAPHY

Unusual presentation of recurrent Wegener's granulomatosis. Dugowson CE, et al. Chest 1991 Mar;99(3):781–4 (35 ref.)

THERAPY

Therapeutic modalities in patients with generalized Wegener's granulomatosis (WG) and related diseases. Andrassy K. APMIS Suppl 1990;19:47 (2 ref.)

Treatment and monitoring of systemic vasculitis. D'Amico G, et al. Nephrol Dial Transplant 1990;5 Suppl 1:53–7 (38 ref.)

WEIGHT GAIN

see related
OBESITY

Maternal weight gain, infant birth weight, and diet: causal sequences. Susser M. Am J Clin Nutr 1991 Jun; 53(6):1384–96 (58 ref.)

DRUG EFFECTS

Smoking cessation and weight gain. Leischow SJ, et al. Br J Addict 1991 May;86(5):577–81 (36 ref.)

PHYSIOLOGY

Where's the energy? Variable response to overfeeding. Nutr Rev 1991 Feb;49(2):54–6 (14 ref.)

WEIGHT LIFTING

Somatotypes of weight lifters. Orvanová E. J Sports Sci 1990 Summer;8(2):119–37 (45 ref.)

Strength training in children and adolescents. Webb DR. Pediatr Clin North Am 1990 Oct;37(5):1187–210 (98 ref.)

Physiological effects of exercising with handweights. Auble TE, et al. Sports Med 1991 Apr;11(4):244–56 (40 ref.)

Weightlifting training in cardiac patients. Considerations. McKelvie RS, et al. Sports Med 1990 Dec;10(6):355–64 (52 ref.)

Health- and performance-related potential of resistance training. Stone MH, et al. Sports Med 1991 Apr; 11(4):210–31 (181 ref.)

INJURIES

Weight lifting. Risks and injuries to the shoulder. Neviaser TJ. Clin Sports Med 1991 Jul;10(3):615–21 (8 ref.)

WEIGHT LOSS

see related
THINNESS

Body composition for the investigation of obesity. Garrow J. Basic Life Sci 1990;55:183–90 (23 ref.)

Anorexia in older patients: its meaning and management. Morley JE. Geriatrics 1990 Dec;45(12):59–62, 65–6 (21 ref.)

Low body weight and weight loss in the aged. Fischer J, et al. J Am Diet Assoc 1990 Dec;90(12):1697–706 (148 ref.)

Effects of exercise and other nonpharmacological measures on blood pressure and cardiac hypertrophy. Jennings G, et al. J Cardiovasc Pharmacol 1991;17 Suppl 2:S70–4 (16 ref.)

Body contouring and weight loss surgery for obesity. Black J, et al. Nurs Clin North Am 1991 Sep;26(3):777–88 (21 ref.)

The role of exercise in weight regulation in nonathletes. King AC, et al. Sports Med 1991 May;11(5):331–49 (154 ref.)

PHYSIOLOGY

Weight control and exercise. Miles DS. Clin Sports Med 1991 Jan;10(1):157–69 (27 ref.)

Nutritional therapy with regard to weight reduction in diabetes and hypertension. Dodson PM, et al. J Diabetic Complications 1990 Apr–Jun;4(2):91–3 (11 ref.)

[Fever, weight loss and rare paraneoplasias] Wörmann B, et al. Internist (Berl) 1990 Aug;31(8):532–7 (35 ref.) (Ger)

WEIGHT REDUCTION see WEIGHT LOSS

WEIGHTLESSNESS

Competing antagonists to energy production in space and their effect on calcium metabolism. Tanner H. Med Hypotheses 1990 Aug;32(4):283–8 (51 ref.)

ADVERSE EFFECTS

Effect of microgravity on the respiratory system. Engel LA. J Appl Physiol 1991 May;70(5):1907–11 (24 ref.)

Hyponoradrenergic syndrome of weightlessness: its manifestations in mammals and possible mechanism. Krasnov IB. Physiologist 1991 Feb;34(1 Suppl):S23–6 (43 ref.)

WEIL'S DISEASE

EPIDEMIOLOGY

The changing epidemiology of leptospirosis in Europe. A report on the 6th meeting of European Leptospira workers, Brnò, Czechoslovakia, September 1988. Gsell O. Int J Med Microbiol 1990 Aug;273(3):412–27 (56 ref.)

WELDING

The respiratory health of welders. Sferlazza SJ, et al. Am Rev Respir Dis 1991 May;143(5 Pt 1):1134–48 (73 ref.)

WELL CHILD CONFERENCE see CHILD HEALTH SERVICES

WELLNESS PROGRAMS see HEALTH PROMOTION

WERDNIG–HOFFMANN DISEASE

PATHOLOGY

[Pathological anatomy of the heart in myopathies and infantile muscular atrophies] Bataille J, et al. Ann Med Interne (Paris) 1991;142(1):5–8 (16 ref.) (Eng. Abstr.) (Fre)

WERLHOF'S DISEASE see PURPURA, THROMBOCYTOPENIC

WERMER SYNDROME see NEOPLASMS, MULTIPLE ENDOCRINE

WERNER'S SYNDROME

COMPLICATIONS

Werner's syndrome combined with quintuplicate malignant tumors: a case report and review of literature data. Tsuchiya H, et al. Jpn J Clin Oncol 1991 Apr;21(2):135–42 (41 ref.)

WERNICKE AREA see TEMPORAL LOBE

WERNICKE'S ENCEPHALOPATHY

PHYSIOPATHOLOGY

Alcohol and the brain [see comments] Lishman WA. Br J Psychiatry 1990 May;156:635–44 (75 ref.) Comment in: Br J Psychiatry 1990 Sep;157:454–5.

PSYCHOLOGY

The relationship between anterograde and retrograde amnesia in alcoholic Wernicke-Korsakoff syndrome [editorial] Parkin AJ. Psychol Med 1991 Feb;21(1):11–4 (21 ref.)

WEST SYNDROME see SPASMS, INFANTILE

WET LUNG see RESPIRATORY DISTRESS SYNDROME, ADULT

WHEAT

ANALYSIS

Physiological implications of wheat and oat dietary fiber.

Knudsen KE, et al. **Adv Exp Med Biol** 1990;270:135–50 (53 ref.)

GENETICS

Sulphur-poor prolamins of barley, wheat and rye. Shewry PR, et al. **Biochem Soc Trans** 1991 Apr;19(2):528–30 (21 ref.)

Cell cycle-regulated gene expression in transgenic plant cells. Kawata T, et al. **Dev Genet** 1990;11(3):205–13 (39 ref.)

WHEEZING see **RESPIRATORY SOUNDS**

WHIPLASH INJURIES

DIAGNOSIS

[So-called whiplash injury of the cervical spine. Comments from the neurological viewpoint] Tegenthoff M, et al. **Dtsch Med Wochenschr** 1991 Jun 28;116(26):1030–4 (12 ref.) **(Ger)**

[The "severity" of "whiplash injury of the cervical spine"] Jenzer G, et al. **Z Unfallchir Versicherungsmed** 1991; 84(1):7–19 (40 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Whiplash injury [editorial] [see comments] Newman PK. **BMJ** 1990 Sep 1;301(6749):395–6 (17 ref.) Comment in: BMJ 1990 Sep 22;301(6752):610.

WHIPPLE'S DISEASE see **LIPODYSTROPHY, INTESTINAL**

WHIRLPOOL BATHS see **HYDROTHERAPY**

WHITE HEIFER DISEASE see **FREEMARTINISM**

WHITE SPOTS see **DENTAL CARIES**

WHITEFISH see **SALMONIDAE**

WHITES

see related
CAUCASOID RACE

STATISTICS & NUMERICAL DATA

Coronary heart disease: black-white differences. Cooper RS, et al. **Cardiovasc Clin** 1991;21(3):205–25 (40 ref.)

WHOLE-BODY IRRADIATION

see related
LYMPHATIC IRRADIATION

Are new conditioning regimens for transplants in acute myelogenous leukemia better? Aurer I, et al. **Bone Marrow Transplant** 1991 Apr;7(4):255–61 (47 ref.)

Factors influencing remission post-BMT in patients with acute and chronic leukemia prepared with cyclophosphamide and total body irradiation (TBI). Bacigalupo A, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:62–3 (9 ref.)

Allogeneic bone marrow transplantation in children with acute leukemia: TBI is it necessary? Miniero R. **Bone Marrow Transplant** 1991;7 Suppl 3:37–40 (14 ref.)

The role of TBI in conditioning regimens for children. Vitale V, et al. **Bone Marrow Transplant** 1991;7 Suppl 3:32–4 (8 ref.)

Radiobiological aspects of continuous low dose-rate irradiation and fractionated high dose-rate irradiation. Turesson I. **Radiother Oncol** 1990 Sep;19(1):1–15 (59 ref.)

Combined modality clinical trials for favorable B-cell neoplasms: lonidamine plus whole body hyperthermia and/or total body irradiation. Robins HI. **Semin Oncol** 1991 Apr;18(2 Suppl 4):23–7 (40 ref.)

The dose to lung in TBI. Quast U. **Strahlenther Onkol** 1991 Mar;167(3):135–51 (126 ref.)

ADVERSE EFFECTS

[Prognosis of recovery after whole-body irradiation in relation to hematological indicators as the basis of clinical management of patients] Fliedner TM. **Gematol Transfuziol** 1990 Dec;35(12):27–31 (9 ref.) **(Rus)**

METHODS

Radiobiological speculations on therapeutic total body irradiation. Vriesendorp HM. **Crit Rev Oncol Hematol** 1990;10(3):211–24 (77 ref.)

Total body irradiation regimens for marrow grafting. Thomas ED. **Int J Radiat Oncol Biol Phys** 1990 Nov;19(5):1285–8 (27 ref.)

Clinical basis for TBI fractionation. Cosset JM, et al. **Radiother Oncol** 1990;18 Suppl 1:60–7 (37 ref.)

Techniques applied for total body irradiation. Leer JW, et al. **Radiother Oncol** 1990;18 Suppl 1:10–5 (2 ref.)

Total-skin electron irradiation for cutaneous T-cell lymphoma: the Northern Israel Oncology Center experience. Kuten A, et al. **Strahlenther Onkol** 1991 Jul; 167(7):392–6 (25 ref.)

WHOOPING COUGH

see related
PERTUSSIS VACCINE

DIAGNOSIS

Pertussis in adults. What physicians need to know. Herwaldt LA. **Arch Intern Med** 1991 Aug;151(8):1510–2 (37 ref.)

PREVENTION & CONTROL

Pertussis in developing countries: definition of the problem and prospects for control. Wright PF. **Rev Infect Dis** 1991 May-Jun;13 Suppl 6:S528–34 (29 ref.)

[Review of the present status of prevention, prophylaxis and therapy of pertussis and parapertussis] Bače A, et al. **Lijec Vjesn** 1990 Jul-Aug;112(7-8):262–8 (78 ref.) (Eng. Abstr.) **(Scr)**

WIDOW see **SINGLE PERSON**

WIDOWER see **SINGLE PERSON**

WIFE ABUSE see **SPOUSE ABUSE**

WILL see **VOLITION**

WILMS' TUMOR

CONGENITAL

Pediatric case of the day. Congenital mesoblastic nephroma. Wootton SL, et al. **Radiographics** 1991 Jul;11(4):719–21 (9 ref.)

DIAGNOSIS

Adult Wilms' tumor: report of a case and review of the literature. Kumar A, et al. **Jpn J Surg** 1990 Sep;20(5):585–9 (27 ref.)

Wilms' and associated renal tumors of childhood. White KS, et al. **Pediatr Radiol** 1991;21(2):81–8 (55 ref.)

Abdominal masses in children: neuroblastoma, Wilms tumor, and other considerations. Brodeur AE, et al. **Pediatr Rev** 1991 Jan;12(7):196–207 (15 ref.)

Imaging of neonatal renal masses. Fernbach SK. **Urol Radiol** 1991;12(4):214–9 (12 ref.)

[Wilms' tumor or nephroblastoma] Boglino C, et al. **Medicina (Firenze)** 1990 Jul-Sep;10(3):228–42 (73 ref.) (Eng. Abstr.) **(Ita)**

EMBRYOLOGY

Wilms' tumour as a paradigm for the relationship of cancer to development. Pritchard-Jones K, et al. **Cancer Surv** 1990;9(3):555–78 (103 ref.)

GENETICS

Developmental tumours. Schofield PN. **Br Med Bull** 1991 Jan;47(1):227–43 (88 ref.)

Wilms' tumour as a paradigm for the relationship of cancer to development. Pritchard-Jones K, et al. **Cancer Surv** 1990;9(3):555–78 (103 ref.)

Rate-limiting steps: the genetics of pediatric cancers. Haber DA, et al. **Cell** 1991 Jan 11;64(1):5–8 (20 ref.)

Wilms tumour: a developmental anomaly. Hastie ND, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1989; 20:145–50 (14 ref.)

[Cytogenetic studies in Wilm's tumor] Balogh E, et al. **Orv Hetil** 1990 Dec 30;131(52):2863–6 (39 ref.) (Eng. Abstr.) **(Hun)**

[Prolonged survival of an adult with Wilms' tumor] Morales Concepcion JC, et al. **Arch Esp Urol** 1990 Oct;43(8):903–5 (24 ref.) (Eng. Abstr.) **(Spa)**

PATHOLOGY

Wilms' tumour associated with deep cystic nephroma-like changes: three cases of a putative Wilms' tumour precursor. Walford N, et al. **Histopathology** 1991 Feb;18(2):123–31 (33 ref.)

Extrarenal Wilms' tumor: staging, treatment, and prognosis. Coppes MJ, et al. **J Clin Oncol** 1991 Jan;9(1):167–74 (51 ref.)

Retroperitoneal teratoma with predominance of nephroblastic elements--a case report. Kim YW, et al. **J Korean Med Sci** 1990 Dec;5(4):237–42 (20 ref.)

Teratoid Wilms' tumor: report of a unilateral case. Vujanić GM. **Pediatr Pathol** 1991 Mar-Apr;11(2):303–9 (17 ref.)

SURGERY

[Chylous ascites after tumor nephrectomy with retroperitoneal lymphadenectomy] Eberl W, et al. **Monatsschr Kinderheilkd** 1991 Jan;139(1):47–50 (34 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Recent advances and controversies in the management of Wilms' tumor. Shapiro E. **Cancer Treat Res** 1989;46:65–83 (85 ref.)

Pediatric genitourinary tumors. Issa MM, et al. **Curr Opin Oncol** 1991 Jun;3(3):545–52 (66 ref.)

Wilms' tumor: status report, 1990. By the National Wilms' Tumor Study Committee. **J Clin Oncol** 1991 May; 9(5):877–87 (66 ref.)

Remaining problems in the treatment of patients with Wilms' tumor. Green DM, et al. **Pediatr Clin North Am** 1991 Apr; 38(2):475–88 (51 ref.)

WILMS' TUMOR GENES see **GENES, WILMS' TUMOR**

WILSON'S DISEASE see **HEPATOLENTICULAR DEGENERATION**

WIND

Neuronal organization and information processing in the wind-sensitive cercal receptor/giant interneurone system of the locus and other orthopteroid insects. Boyan GS, et al. **Prog Neurobiol** 1990;35(3):217–43 (168 ref.)

WINE

Evolution towards fermentation with pure culture yeasts in wine making. Barre P, et al. **Microbiol Sci** 1984 Oct; 1(7):159–63 (40 ref.)

WIRSUNG'S DUCT see **PANCREATIC DUCTS**

WISKOTT-ALDRICH SYNDROME

PHYSIOPATHOLOGY

Sialophorin (CD43) and the Wiskott-Aldrich syndrome. Remold-O'Donnell E, et al. **Immunodefic Rev** 1990; 2(2):151–74 (80 ref.)

WIT AND HUMOR

Breath mints for the dragon. Lindane toxicity. Mack RB. **N C Med J** 1991 Feb;52(2):76–8 (17 ref.)

The therapeutic use of humor for psychiatric disturbances of adolescents and adults. Saper B. **Psychiatr Q** 1990 Winter;61(4):261–72 (29 ref.)

Feminism and the cognitive theory of emotion: anger, blame and humor. Shibles W. **Women Health** 1991;17(1):57–69 (38 ref.)

WITHDRAWAL SYMPTOMS see **SUBSTANCE WITHDRAWAL SYNDROME**

WOLFF-PARKINSON-WHITE SYNDROME

COMPLICATIONS

[Frequent arrhythmias in Wolff-Parkinson-White syndrome] Cárdenas M. **Arch Inst Cardiol Mex** 1990 Sep-Oct; 60(5):467–72 (14 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Wolf-Parkinson-White syndrome in neonatal age] Rózsavölgyi A, et al. **Orv Hetil** 1990 Dec 2;131(48):2655–9 (26 ref.) (Eng. Abstr.) **(Hun)**

[The clinical utility of the 12-lead electrocardiogram in the Wolff-Parkinson-White syndrome] Montenero AS, et al. **Cardiologia** 1990 Aug;35(8):625–33 (25 ref.) **(Ita)**

SURGERY

Nonpharmacological therapy of supraventricular arrhythmias: surgery and catheter ablation techniques. Part II. Singer I, et al. **PACE** 1990 Sep;13(9):1173–83 (41 ref.)

WOLFFIAN BODY see **MESONEPHROS**

WOLFFIAN DUCT

[Renal agenesis, bicornuate uterus and cyst of the Gartner's duct] Staerman F, et al. **Ann Pediatr (Paris)** 1991 May; 38(5):341–3 (7 ref.) (Eng. Abstr.) **(Fre)**

WOLFRAM SYNDROME

[Diabetes mellitus, diabetes insipidus, optic atrophy and deafness] Labrune B, et al. **Ann Pediatr (Paris)** 1991 Apr; 38(4):249–54 (26 ref.) (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Diabetes mellitus, diabetes insipidus, optic atrophy and deafness (DIDMOAD syndrome). Saatçi U, et al. **Turk J Pediatr** 1990 Jul-Sep;32(3):211–5 (11 ref.)

[Diabetes mellitus, optic atrophy and inner ear hearing loss (Wolfram syndrome) in a 29-year-old patient] Hoster M, et al. **Internist (Berl)** 1990 Nov;31(11):712–7 (30 ref.) **(Ger)**

WOMEN

Alcoholism in women. Gearhart JG, et al. **Am Fam Physician** 1991 Sep;44(3):907–13 (32 ref.)

[The nutritional and health status of the Latin American woman] Figueroa ML, et al. **Arch Latinoam Nutr** 1988 Sep; 38(3):705–22 (63 ref.) (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

German philosophy, Freud, and the riddle of the woman. Makari GJ. **J Am Psychoanal Assoc** 1991;39(1):183–213 (49 ref.)
The conspiracy of culture. Women's issues in body size. Fontaine KL. **Nurs Clin North Am** 1991 Sep;26(3):669–76 (13 ref.)
[Female sexuality before and after AIDS] Santos-Ortiz MC. **P R Health Sci J** 1990 Apr;9(1):33–5 (33 ref.) **(Spa)**

WOMEN PHYSICIANS see **PHYSICIANS, WOMEN**

WOMEN, WORKING

Promotion and tenure of women and minorities on medical school faculties. The American College of Physicians. **Ann Intern Med** 1991 Jan 1;114(1):63–8 (46 ref.)

PSYCHOLOGY

The career woman and oral contraceptive use. Sulak PJ. **Int J Fertil** 1991;36 Suppl 2:90–7; discussion 97–100 (55 ref.)

WOMEN'S HEALTH

Women's health. Review and research agenda as we approach the 21st century. Rodin J, et al. **Am Psychol** 1990 Sep;45(9):1018–34 (165 ref.)
Hypertension in women: what is really known? The Women's Caucus, Working Group on Women's Health of the Society of General Internal Medicine. Anastos K, et al. **Ann Intern Med** 1991 Aug 15;115(4):287–93 (42 ref.)
The effects of social support on women's health during pregnancy, labor and delivery, and the postpartum period. Gjerdingen DK, et al. **Fam Med** 1991 Jul;23(5):370–5 (50 ref.)
Caring for women at risk of HIV infection. Anastos K, et al. **J Gen Intern Med** 1991 Jan–Feb;6(1 Suppl):S40–6 (34 ref.)
"Scoot down to the edge of the table, hon": women's medical experiences portrayed in literature. Wear D, et al. **Pharos** 1991 Winter;54(1):7–11 (18 ref.)
Health effects of recreational running in women. Some epidemiological and preventive aspects. Marti B. **Sports Med** 1991 Jan;11(1):20–51 (238 ref.)
Symptom sensitivity and sex differences in physical morbidity: a review of health surveys in the United States and The Netherlands. Gijsbers van Wijk CM, et al. **Women Health** 1991;17(1):91–124 (58 ref.)
Double victims: poor women and AIDS. Shayne VT, et al. **Women Health** 1991;17(1):21–37 (61 ref.)
[Gynecological risk factors for osteoporosis] Mor Z, et al. **Harefuah** 1990 Dec 2;119(11):385–7 (43 ref.) **(Heb)**

WOMEN'S HEALTH SERVICES

ORGANIZATION & ADMINISTRATION

[Screening for breast cancer in Poland] Buraczewski J, et al. **Pol Tyg Lek** 1990 Aug 6–13;45(32–33):674–6 (21 ref.) **(Pol)**

STANDARDS

Cruel and unusual punishment: the health care of women in prison. Wilson JS, et al. **Nurse Pract** 1991 Feb;16(2):32, 34, 36–9 (41 ref.)

WOMEN'S LIBERATION see **WOMEN'S RIGHTS**

WOMEN'S RIGHTS

The unique treatment needs of female substance abusers in correctional institutions: the obligation of the criminal justice system to provide parity of services. Yang SS. **Med Law** 1990;9(4):1018–27 (33 ref.)
Feminism and the cognitive theory of emotion: anger, blame and humor. Shibles W. **Women Health** 1991;17(1):57–69 (38 ref.)

TRENDS

Women in Australian and New Zealand psychiatry: the fat lady sings. Quadrio C. **Aust N Z J Psychiatry** 1991 Mar; 25(1):95–110 (122 ref.)

WOOD

Cancer epidemiology in the paper and pulp industry. Hogstedt C. **IARC Sci Publ** 1990;(104):382–9 (16 ref.)
Complex chlorinated hydrocarbons: occupational exposure in the sawmill industry. Kalliokoski P, et al. **IARC Sci Publ** 1990;(104):390–6 (29 ref.)
Hazardous health effects of occupational exposure to wood dust. Flechsig R, et al. **Ind Health** 1990;28(3):107–19 (91 ref.)
[Acute poisoning caused by wood preservatives from the viewpoint of the Berlin (East) Central Toxicologic Information service] Liebenow H, et al. **Z Arztl Fortbild (Jena)** 1991 Apr 25;85(8):385–8 (12 ref.) **(Ger)**

WOODCHUCKS see **MARMOTA**

WOOL

CHEMISTRY

Sequences of wool keratin proteins: the CSIRO connection. Dowling LM, et al. **Trends Biochem Sci** 1991 Mar; 16(3):115–8 (13 ref.)

WORK

see related
EFFICIENCY
EMPLOYMENT

Smoking control at the workplace. Fielding JE. **Annu Rev Public Health** 1991;12:209–34 (94 ref.)
The use of benzodiazepines in the workplace. Roy-Byrne PP, et al. **J Psychoactive Drugs** 1990 Oct–Dec;22(4):461–5 (26 ref.)
The smoke-free workplace. Sees KL. **J Psychoactive Drugs** 1990 Oct–Dec;22(4):479–83 (17 ref.)
Identifying and responding to drug abuse in the workplace: an overview. Seymour RB, et al. **J Psychoactive Drugs** 1990 Oct–Dec;22(4):383–405 (32 ref.)
Workload and job satisfaction among general practitioners: a review of the literature. Groenewegen PP, et al. **Soc Sci Med** 1991;32(10):1111–9 (49 ref.)
[Occupational handicap and psychiatry] Brour S, et al. **Tunis Med** 1991 Jan;69(1):45–9 (10 ref.) (Eng. Abstr.) **(Fre)**
[Physiological characteristics of the health status of workers performing physical labor] Malomsoki J, et al. **Orv Hetil** 1991 Jun 9;132(23):1257–63 (47 ref.) (Eng. Abstr.) **(Hun)**

PHYSIOLOGY

The effects of caffeine on blood pressure in the work environment. Jeong DU, et al. **Am J Hypertens** 1990 Oct; 3(10):749–53 (19 ref.)

PSYCHOLOGY

Production control and chronic stress in work organizations. Houben GJ. **Int J Health Serv** 1991;21(2):309–27 (133 ref.)

TRENDS

Trends in the prevalence of work disability from 1962 to 1984, and their correlates. Wolfe BL, et al. **Milbank Q** 1990; 68(1):53–80 (40 ref.)

WORK CAPACITY EVALUATION

[Diagnostic parameters for the evaluation of work capacity: the bronchopulmonary system] Ulmer WT. **Versicherungsmedizin** 1990 Oct 1;42(5):130–2 (8 ref.) (Eng. Abstr.) **(Ger)**
[An undetermined form of Chagas' disease: medico-occupational implications] De Oliveira Júnior W. **Arq Bras Cardiol** 1990 Feb;54(2):89–91 (40 ref.) **(Por)**

WORK OF BREATHING

Measuring the breathing workload in mechanically ventilated patients. Annat G, et al. **Intensive Care Med** 1990; 16(7):418–21 (31 ref.)
Sudden infant death syndrome (crib death) and possible relation to long-term mattress compression. Chapell MS. **Psychol Rep** 1990 Dec;67(3 Pt 2):1267–72 (34 ref.)

WORK SATISFACTION see **JOB SATISFACTION**

WORK SCHEDULE TOLERANCE

Shiftwork and industrial injuries at a chemical plant in southeast Texas. Novak RD, et al. **Chronobiol Int** 1990; 7(2):155–64 (28 ref.)

PHYSIOLOGY

Squashing versus nudging circadian rhythms with artificial bright light: solutions for shift work? Eastman CI. **Perspect Biol Med** 1991 Winter;34(2):181–95 (65 ref.)

WORK SIMPLIFICATION

[Characteristics and improvement of working conditions in medical admission departments (review of the literature)] Borisenko NF, et al. **Gig Sanit** 1990 Dec;(12):38–42 (60 ref.) **(Rus)**

WORKING WOMEN see **WOMEN, WORKING**

WORKMEN'S COMPENSATION

see related
DISABILITY EVALUATION

Compensation for occupational asthma in Quebec. Malo JL. **Chest** 1990 Nov;98(5 Suppl):236S–239S (25 ref.)
Hearing compensation evaluation. Melnick W, et al. **Otolaryngol Clin North Am** 1991 Apr;24(2):391–402 (15 ref.)

ORGANIZATION & ADMINISTRATION

The administration of workers' compensation in Canada. Ross JB. **Int J Dermatol** 1990 Oct;29(8):548–52 (19 ref.)

WORLD HEALTH

Reproductive health: a global overview. Fathalla MF. **Ann N Y Acad Sci** 1991;626:1–10 (29 ref.)
Nutrition and public health. Kesteloot H. **Bibl Nutr Dieta** 1990;(46):45–52 (19 ref.)
Melioidosis: the tip of the iceberg? Dance DA. **Clin Microbiol Rev** 1991 Jan;4(1):52–60 (179 ref.)
The epidemiology of AIDS: a decade of experience. Quinn TC. **Curr Clin Top Infect Dis** 1991;11:61–93 (162 ref.)
Hepatocellular carcinoma. A worldwide problem and the major risk factors. Simonetti RG, et al. **Dig Dis Sci** 1991 Jul;36(7):962–72 (126 ref.)
Drug abuse and public health. A global perspective. Senay EC. **Drug Saf** 1991;6 Suppl 1:1–65 (175 ref.)
International trends in coronary heart disease mortality, morbidity, and risk factors. Beaglehole R. **Epidemiol Rev** 1990;12:1–15 (78 ref.)
Rationales for the establishment of limits and regulations for mycotoxins. Stoloff L, et al. **Food Addit Contam** 1991 Mar–Apr;8(2):213–21 (20 ref.)
Alma Ata and health for all by the year 2000. The roles of academic institutions. Bryant JH, et al. **Infect Dis Clin North Am** 1991 Jun;5(2):403–16 (9 ref.)
Public and private donor financing for health in developing countries. Howard LM. **Infect Dis Clin North Am** 1991 Jun;5(2):221–34 (11 ref.)
International health. Beyond the year 2000. Velji AM. **Infect Dis Clin North Am** 1991 Jun;5(2):417–28 (23 ref.)
Worldwide epidemiological patterns of lung cancer in nonsmokers. Koo LC, et al. **Int J Epidemiol** 1990;19 Suppl 1:S14–23 (72 ref.)
Current report—HIV. AIDS at the crossroads: a report from the 1990 International Conference on AIDS—San Francisco. Goldschmidt RH, et al. **J Am Board Fam Pract** 1990 Oct–Dec;3(4):297–304 (52 ref.)
Breast-feeding and health in the 1980s: a global epidemiologic review. Cunningham AS, et al. **J Pediatr** 1991 May;118(5):659–66 (99 ref.)
Global trends in adolescent health. Blum RW. **JAMA** 1991 May 22–29;265(20):2711–9 (65 ref.)
More people are fracturing more bones more often. **Nutr Rev** 1991 Jan;49(1):24–5 (8 ref.)
Public health control of HBV: worldwide HBV vaccination programme. Gust I. **Prog Clin Biol Res** 1991;364:333–42 (7 ref.)
Epidemiology of hepatitis delta virus: overview. Rizzetto M, et al. **Prog Clin Biol Res** 1991;364:1–20 (65 ref.)
Varicose veins: a reappraisal from a global perspective. Geelhoed GW, et al. **South Med J** 1991 Sep;84(9):1131–4 (23 ref.)
World-wide epidemiology of Haemophilus influenzae meningitis; industrialized versus non-industrialized countries. Bijlmer HA. **Vaccine** 1991 Jun;9 Suppl:S5–9; discussion S25 (36 ref.)
From Leningrad to the day-care center. The ubiquitous Giardia lamblia. Shandera WX. **West J Med** 1990 Aug; 153(2):154–9 (139 ref.)
[Hygienic basis of the prevention of AIDS (review of the literature)] Lalaiants IE, et al. **Gig Sanit** 1990 Dec;(12):72–6 (77 ref.) **(Rus)**
[Trends in the development of research in the field of liposomes (review of patent literature)] Nesytova NIu, et al. **Vestn Akad Med Nauk SSSR** 1990;(6):8–19 (213 ref.) (Eng. Abstr.) **(Rus)**
[Current problems in the global elimination of measles] Bektimirov TA. **Zh Mikrobiol Epidemiol Immunobiol** 1990 Sep;(9):104–8 (46 ref.) **(Rus)**
[The role of socio-cultural and environmental factors in polymorphism of endogenous mental disorders (review of the literature)] Zharikov MN. **Zh Nevropatol Psikhiatr** 1990;90(12):100–3 (65 ref.) **(Rus)**

WORLD HEALTH ORGANIZATION

World Health Organization attitude concerning the use of continuous cell lines as substrates for production of human virus vaccines. Grachev VP. **Adv Biotechnol Processes** 1990;14:37–67 (101 ref.)
The WHO Task Force on Vaccines for Fertility Regulation. Its formation, objectives and research activities. Griffin PD. **Hum Reprod** 1991 Jan;6(1):166–72 (22 ref.)
Changes in the World Health Organisation essential drug list. Howard NJ, et al. **Lancet** 1991 Sep 21;338(8769):743–5 (10 ref.)
Public health control of HBV: worldwide HBV vaccination programme. Gust I. **Prog Clin Biol Res** 1991;364:333–42 (7 ref.)

WOUND HEALING

see related
CICATRIX

Wound care. Trial & error yields to knowledge. Cuzzell JZ, et al. **Am J Nurs** 1990 Oct;90(10):53–60, 63 (60 ref.)
Early postoperative sternal approximation after ITA harvesting: computed tomographic evaluation. Vanleeuw P, et al. **Ann Thorac Surg** 1991 Sep;52(3):518–22 (16 ref.)
Role of hepatocellular regeneration and hepatolobular healing in the final outcome of liver injury. A two-stage model of toxicity. Mehendale HM. **Biochem Pharmacol** 1991 Aug 22;42(6):1155–62 (69 ref.)

The commonality of cutaneous wound repair and lung injury. Clark RA. **Chest** 1991 Mar;99(3 Suppl):57S–60S (33 ref.)
Regulation of lung collagen production during wound healing. Laurent GJ. **Chest** 1991 Mar;99(3 Suppl):67S–69S (36 ref.)
Electrostimulation and bone fracture healing. Behari J. **Crit Rev Biomed Eng** 1991;18(4):235–54 (202 ref.)
Healing of experimental intestinal anastomoses. Parameters for repair. Hendriks T, et al. **Dis Colon Rectum** 1990 Oct; 33(10):891–901 (98 ref.)
Wound infection under occlusive dressings. Hutchinson JJ, et al. **J Hosp Infect** 1991 Feb;17(2):83–94 (87 ref.)
Animal models for the study of fetal tissue repair. Adzick NS, et al. **J Surg Res** 1991 Sep;51(3):216–22 (77 ref.)
Barraquer lecture. What we have learned about corneal wound healing from refractive surgery. Binder PS. **Refract Corneal Surg** 1989 Mar–Apr;5(2):98–120 (173 ref.)
Delayed unions and nonunions. Diagnosis, pathophysiology, and treatment. Sumner-Smith G. **Vet Clin North Am Small Anim Pract** 1991 Jul;21(4):745–60 (11 ref.)
[The biology of bones and of bone fracture healing] Pennig D. **Unfallchirurg** 1990 Nov;93(11):488–91 (29 ref.) (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Acid secretory changes and early relapse following duodenal ulcer healing with ranitidine or sucralfate. Marks IN, et al. **Am J Med** 1991 Aug 8;91(2A):95S–101S (35 ref.)
Fibronectin: structure, function and significance in wound healing. Brotchie H, et al. **Australas J Dermatol** 1990; 31(1):47–56 (86 ref.)
EGF and TGF-alpha in wound healing and repair. Schultz G, et al. **J Cell Biochem** 1991 Apr;45(4):346–52 (43 ref.)
Penicillamine and wound healing in rheumatoid arthritis. Ansell BM, et al. **Proc R Soc Med** 1977;70 Suppl 3:75–7 (5 ref.)
The effect of epidermal growth factor on corneal wound healing: practical considerations for therapeutic use. Feldman ST. **Refract Corneal Surg** 1991 May–Jun; 7(3):232–9 (62 ref.)
Management of epithelial and wound healing problems after penetrating keratoplasty. Keates RH, et al. **Refract Corneal Surg** 1991 Jan–Feb;7(1):73–6 (25 ref.)
Effects of zinc oxide, rosin and resin acids and their combinations on bacterial growth and inflammatory cells. Söderberg TA. **Scand J Plast Reconstr Surg Suppl** 1990; 22:1–87 (193 ref.)
[Local therapy of the poorly healing wound] Niedner R. **Med Monatsschr Pharm** 1990 Nov;13(11):340–8 (0 ref.) **(Ger)**
[Slowly healing stomach ulcer] Sheptulin AA, et al. **Klin Med (Mosk)** 1991 Mar;69(3):34–8 (48 ref.) **(Rus)**

IMMUNOLOGY

The regulatory role of T lymphocytes in wound healing. Barbul A, et al. **J Trauma** 1990 Dec;30(12 Suppl):S97–100 (22 ref.)

PHYSIOLOGY

Tenascin in tissue perturbation repair. Sakakura T, et al. **Acta Pathol Jpn** 1991 Apr;41(4):247–58 (67 ref.)
Growth factors and wound healing: platelet-derived growth factor as a model cytokine. Deuel TF, et al. **Annu Rev Med** 1991;42:567–84 (113 ref.)
Roles of copper in bone maintenance and healing. Dollwet HH, et al. **Biol Trace Elem Res** 1988 Dec;18:39–48 (73 ref.)
Epidermal cytokines and their roles in cutaneous wound healing. McKay IA, et al. **Br J Dermatol** 1991 Jun; 124(6):513–8 (46 ref.)
Role of transforming growth factor-beta in repair and fibrosis. Raghow R. **Chest** 1991 Mar;99(3 Suppl):61S–65S (30 ref.)
TGF-beta and wound healing. Amento EP, et al. **Ciba Found Symp** 1991;157:115–23; discussion 123–9 (34 ref.)
Regulation of cutaneous wound healing by growth factors and the microenvironment. Knighton DR, et al. **Invest Radiol** 1991 Jun;26(6):604–11 (72 ref.)
Time course of wound healing. Wokalek H, et al. **J Biomater Appl** 1991 Apr;5(4):337–62 (107 ref.)
Role of platelet-derived growth factor in wound healing. Pierce GF, et al. **J Cell Biochem** 1991 Apr;45(4):319–26 (54 ref.)
Biomechanical factors in wound healing following knee arthroplasty. Johnson DP, et al. **J Med Eng Technol** 1991 Jan–Feb;15(1):8–14 (37 ref.)
Models of wound healing. Cohen IK, et al. **J Trauma** 1990 Dec;30(12 Suppl):S149–55 (40 ref.)
Current concepts in wound healing: growth factor and macrophage interaction. Cromack DT, et al. **J Trauma** 1990 Dec;30(12 Suppl):S129–33 (50 ref.)
Basic principles of wound healing. Hunt TK. **J Trauma** 1990 Dec;30(12 Suppl):S122–8 (20 ref.)
Facial fractures and bone healing in the geriatric patient. Friedman CD, et al. **Otolaryngol Clin North Am** 1990 Dec; 23(6):1109–19 (33 ref.)
The biology of fetal wound healing: a review. Longaker MT, et al. **Plast Reconstr Surg** 1991 Apr;87(4):788–98 (119 ref.)
TGF-beta and PDGF mediated tissue repair: identifying mechanisms of action using impaired and normal models of wound healing. Cromack DT, et al. **Prog Clin Biol Res** 1991;365:359–73 (75 ref.)
[Stability in post-traumatic osteitis] Bur˙ C. **Aktuel Probl Chir Orthop** 1990;34:44–54 (30 ref.) **(Ger)**
[The biomechanics of osteosynthesis] Clzes L. **Aktuel Probl Chir Orthop** 1990;34:32–8 (12 ref.) **(Ger)**
["Biological osteosynthesis"] Claudi BF, et al. **Chirurg** 1991 May;62(5):367–77 (24 ref.) **(Ger)**
[Primary soft tissue treatment and soft tissue reconstruction] Knopp W, et al. **Chirurg** 1991 May;62(5):378–87 (17 ref.) **(Ger)**
[PDGF, EGF and TGF-alpha. Promoters of cancer growth and wound healing] Uhl D. **Med Monatsschr Pharm** 1991 May;14(5):130–1 (3 ref.) **(Ger)**
[Wound healing: from polypragmasy to rational therapy concepts--can growth factors contribute anything?] Seiler WO. **Schweiz Rundsch Med Prax** 1990 Dec 27; 79(52):1637–43 (94 ref.) (Eng. Abstr.) **(Ger)**
[Effect of brain injury on the rate of wound healing in bone fractures] Słowiński K, et al. **Wiad Lek** 1990 Nov 1–15; 43(21–22):1059–62 (16 ref.) (Eng. Abstr.) **(Pol)**
[Neurotrophic factor and the processes of reparative regeneration] Pavlov VA, et al. **Vestn Akad Med Nauk SSSR** 1990;(8):60–3 (48 ref.) **(Rus)**

WOUND INFECTION

Soft-tissue infections after trauma. Fildes J, et al. **Surg Clin North Am** 1991 Apr;71(2):371–84 (37 ref.)
[A new pathogenic organism in human disease. Dysyonic fermenter type 2 infection] Zhang J. **Chung Hua I Hsueh Tsa Chih** 1991 Jan;71(1):51–3 (16 ref.) **(Chi)**

DRUG THERAPY

[Prospects of clinical uses of quinolones in burn wound infections] Wang DW. **Chung Hua Cheng Hsing Shao Shang Wai Ko Tsa Chih** 1990 Sep;6(3):223–5 (13 ref.) **(Chi)**
[Local therapy of the poorly healing wound] Niedner R. **Med Monatsschr Pharm** 1990 Nov;13(11):340–8 (0 ref.) **(Ger)**
[Management of open, potentially infected hand injuries with bone defect by delayed early bone substitution] Cziffer E, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1990; 33(4):297–302 (23 ref.) (Eng. Abstr.) **(Hun)**
[The role of an external mini-fixator in the management of infected injuries of the hand] Péley I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1990; 33(4):277–81 (22 ref.) (Eng. Abstr.) **(Hun)**
[Use of fluoroquinolone chemotherapy in orthopedics and traumatology] Krčméry V Jr. **Acta Chir Orthop Traumatol Cech** 1991 Mar;58(1–2):37–46 (39 ref.) (Eng. Abstr.) **(Slo)**

ETIOLOGY

Current issues in burn wound infections. Dodd D, et al. **Adv Pediatr Infect Dis** 1991;6:137–62 (102 ref.)
Infection of burn wounds: evaluation and management. Warren S, et al. **Curr Clin Top Infect Dis** 1991;11:206–17 (48 ref.)
Posttraumatic Aeromonas hydrophila osteomyelitis. Bonatus TJ, et al. **Orthopedics** 1990 Oct;13(10):1158–63 (31 ref.)

IMMUNOLOGY

[Microbial pathogenicity factors and host defense mechanisms--parameters of post-traumatic infections] Schlüter B, et al. **Immun Infekt** 1991 Apr;19(2):50–4 (42 ref.) (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Wound infection under occlusive dressings. Hutchinson JJ, et al. **J Hosp Infect** 1991 Feb;17(2):83–94 (87 ref.)
[Distribution and antibiotic resistance of aerobic bacteria isolated from infected wounds caused by burns] Szabó J, et al. **Orv Hetil** 1991 Mar 31;132(13):687–90, 693 (22 ref.) (Eng. Abstr.) **(Hun)**

PREVENTION & CONTROL

Current treatment recommendations for topical burn therapy. Monafo WW, et al. **Drugs** 1990 Sep;40(3):364–73 (46 ref.)
Antibiotics and the postburn hypermetabolic response. Waymack JP. **J Trauma** 1990 Dec;30(12 Suppl):S30–3 (24 ref.)
Characteristics of the ideal antibiotic for prevention of wound sepsis among military forces in the field. Hell K. **Rev Infect Dis** 1991 Jan–Feb;13 Suppl 2:S164–9 (34 ref.)

THERAPY

The treatment of infected wounds. Review. Pollock AV. **Acta Chir Scand** 1990 Aug;156(8):505–13 (67 ref.)
The use of adjunctive hyperbaric oxygen in treatment of orthopedic infections and problem wounds: an overview and case reports. Berg E, et al. **J Invest Surg** 1989; 2(4):409–21 (10 ref.)

VETERINARY

Posttraumatic osteomyelitis. Braden TD. **Vet Clin North Am Small Anim Pract** 1991 Jul; 21(4):781–811 (18 ref.)

WOUNDS AND INJURIES

see related
FIRST AID
TRANSPORTATION OF PATIENTS

ABC of major trauma. Transport of injured patients. Wilson A, et al. **BMJ** 1990 Sep 29;301(6753):658–62 (1 ref.)
The epidemiology of health effects of disasters. Lechat MF. **Epidemiol Rev** 1990;12:192–8 (49 ref.)
Nutrition and metabolism in sepsis and multisystem organ failure. Baue AE. **Surg Clin North Am** 1991 Jun; 71(3):549–65 (61 ref.)
Vertical deceleration trauma. Principles of management. Buckman RF Jr, et al. **Surg Clin North Am** 1991 Apr; 71(2):331–44 (32 ref.)

COMPLICATIONS

Update on trauma care in Canada. 5. Trauma and hypothermia. McCallum AL. **Can J Surg** 1990 Dec; 33(6):457–60 (27 ref.)
Nutritional and metabolic support. Burzstein S, et al. **Crit Care Clin** 1991 Apr;7(2):451–61 (24 ref.)
Etiology of multiple organ failure. Meakins JL. **J Trauma** 1990 Dec;30(12 Suppl):S165–8 (16 ref.)
Low-back pain, its origin and risk indicators. Riihimäki H. **Scand J Work Environ Health** 1991 Apr;17(2):81–90 (143 ref.)
[Post-traumatic coma: diagnostic approaches and prognostic indices] Barelli A, et al. **Minerva Anestesiol** 1990 Jul–Aug; 56(7–8):303–12 (11 ref.) **(Ita)**
[The post-traumatic coma: new diagnostic and therapeutic orientations] Manni C. **Minerva Anestesiol** 1990 Jul–Aug; 56(7–8):293–8 (0 ref.) **(Ita)**
[Physiopathology of post-traumatic coma: new perspectives] Toffano G, et al. **Minerva Anestesiol** 1990 Jul–Aug; 56(7–8):299–301 (16 ref.) **(Ita)**

DIAGNOSIS

Imaging of the skeleton and soft tissue in children [published erratum appears in Curr Opin Radiol 1991 Feb;3(1):114] Oestreich AE. **Curr Opin Radiol** 1990 Dec;2(6):870–6 (37 ref.)
Trauma to elbows, knees, and ankles. Hodge D 3d, et al. **Pediatr Emerg Care** 1991 Jun;7(3):188–94 (8 ref.)
Initial management of trauma. The next 60 minutes. Barton RG, et al. **Postgrad Med** 1990 Oct;88(5):95–102 (15 ref.)
Missed injuries. The trauma surgeon's nemesis. Enderson BL, et al. **Surg Clin North Am** 1991 Apr;71(2):399–418 (47 ref.)
[The diagnosis of trauma to the human body from being run over by automobile wheels] Abdukarimov RKh. **Sud Med Ekspert** 1991 Apr–Jun;34(2):45–6 (16 ref.) **(Rus)**

DRUG THERAPY

Use of ATP following shock and ischemia. Chaudry IH. **Ann N Y Acad Sci** 1990;603:130–40; discussion 140–1 (53 ref.)
Role of arginine in trauma, sepsis, and immunity. Kirk SJ, et al. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):226S–229S (53 ref.)

ECONOMICS

Evolution of trauma and trauma research. Shires GT. **J Trauma** 1990 Dec;30(12 Suppl):S107–15 (49 ref.)

EPIDEMIOLOGY

Risk factors associated with falls and injuries among elderly institutionalized persons. Myers AH, et al. **Am J Epidemiol** 1991 Jun 1;133(11):1179–90 (30 ref.)
Work injuries and exposures in children and young adults: review and recommendations for action. Richter ED, et al. **Am J Ind Med** 1991;19(6):747–69 (44 ref.)
Trauma systems and public policy. Mendeloff JM, et al. **Annu Rev Public Health** 1991;12:401–24 (50 ref.)
Adolescent injuries. Chaudhuri N. **Indian Pediatr** 1990 Dec; 27(12):1261–7 (22 ref.)
Five years' experience of injured children. Kibel SM, et al. **S Afr Med J** 1990 Oct 6;78(7):387–91 (0 ref.)

ETIOLOGY

Tennis injuries. Dalziel R, et al. **Aust Fam Physician** 1991 Jul;20(7):931, 934–7, 940–1 (3 ref.)
Alcohol and trauma. Marx J. **Emerg Med Clin North Am** 1990 Nov;8(4):929–38 (96 ref.)
Potential for injury: trauma after cardiopulmonary resuscitation. Sommers MS. **Heart Lung** 1991 May; 20(3):287–93 (33 ref.)
Chronic wounds and delusions of parasitosis in the drug abuser. Marschall MA, et al. **Plast Reconstr Surg** 1991 Aug; 88(2):328–30 (19 ref.)

IMMUNOLOGY

Macrophage function and surgery. A clinical review with special reference to phagocytosis. Athlin L, et al. **Eur J Surg** 1991 Mar;157(3):163–70 (83 ref.)

METABOLISM

Gastrointestinal mucosal injury in experimental models of shock, trauma, and sepsis. Fink MP. **Crit Care Med** 1991 May;19(5):627–41 (159 ref.)

Assessing the nutritional needs of the critically ill patient. Mirtallo JM. **DICP** 1990 Nov;24(11 Suppl):S20–3 (12 ref.)

The route of feeding influences injury responses. Lowry SF. **J Trauma** 1990 Dec;30(12 Suppl):S10–5 (35 ref.)

[Parenteral nutritional therapy with reference to post-aggression metabolism] Schürmann W, et al. **Klin Anasthesiol Intensivther** 1990;40:73–86 (10 ref.) **(Ger)**

MORTALITY

[Mortality and lethality in trauma (a review of the literature)] Shapiro KI. **Ortop Travmatol Protez** 1991 Jan;(1):69–74 (53 ref.) **(Rus)**

PATHOLOGY

Solid tumours and wounds: transformed cells misunderstood as injured tissue? Whalen GF. **Lancet** 1990 Dec 15; 336(8729):1489–92 (39 ref.)

PHYSIOPATHOLOGY

Neuroendocrine mechanisms in the thermogenic responses to diet, infection, and trauma. Rothwell NJ. **Adv Exp Med Biol** 1990;274:371–80 (75 ref.)

Basic principles of wound healing. Hunt TK. **J Trauma** 1990 Dec;30(12 Suppl):S122–8 (20 ref.)

Nutrition and translocation. Alexander JW. **JPEN J Parenter Enteral Nutr** 1990 Sep–Oct;14(5 Suppl):170S–174S (23 ref.)

John J. Bonica distinguished lecture. Acute pain and the injury response: immediate and prolonged effects. Cousins MJ. **Reg Anesth** 1989 Jul–Aug;14(4):162–79 (123 ref.)

PREVENTION & CONTROL

The physician's role in injury prevention: beyond the U.S. Preventive Services Task Force report. Smith GS. **J Gen Intern Med** 1990 Sep–Oct;5(5 Suppl):S67–73 (44 ref.)

Injury control in children. Christophersen ER, et al. **Prog Behav Modif** 1991;27:104–21 (75 ref.)

Safety belts and public health. The role of medical practitioners. Kizer KW, et al. **West J Med** 1991 Mar; 154(3):303–6 (19 ref.)

PSYCHOLOGY

ABC of major trauma. Handling distressed relatives and breaking bad news. McLauchlan CA. **BMJ** 1990 Nov 17; 301(6761):1145–9 (2 ref.)

RADIOGRAPHY

ABC of major trauma. Radiological assessment—I. Perry NM, et al. **BMJ** 1990 Oct 6;301(6755):805–9 (0 ref.)

[3D-reconstruction in computed tomography as a diagnostic plus in traumatology?] Billet FP, et al. **Rontgenpraxis** 1990 Oct;43(10):355–64 (19 ref.) **(Ger)**

SURGERY

Pancreatic injuries. Diagnosis, treatment. Jones WG II, et al. **AORN J** 1991 Apr;53(4):917–8, 920–1, 924–33 (43 ref.)

[Heterotopic ossifications from the trauma surgery viewpoint] Rieger H, et al. **Unfallchirurg** 1991 Mar; 94(3):144–52 (86 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

Wound care. Trial & error yields to knowledge. Cuzzell JZ, et al. **Am J Nurs** 1990 Oct;90(10):53–60, 63 (60 ref.)

Airway management for trauma patients with potential cervical spine injuries. Hastings RH, et al. **Anesth Analg** 1991 Oct;73(4):471–82 (92 ref.)

ABC of major trauma. Trauma in pregnancy [published erratum appears in BMJ 1990 Dec 8;301(6764):1320] [see comments] Nash P, et al. **BMJ** 1990 Oct 27;301(6758):974–6 (0 ref.) Comment in: BMJ 1990 Nov 17;301(6761):1162–3. Comment in: BMJ 1990 Dec 8;301(6764):1332.

Trauma anesthesia for disasters. Anything, anytime, anywhere. Grande CM, et al. **Crit Care Clin** 1991 Apr; 7(2):339–61 (41 ref.)

An approach to pediatric trauma. Unique anatomic and pathophysiologic aspects of the pediatric patient. Inaba AS, et al. **Emerg Med Clin North Am** 1991 Aug;9(3):523–48 (100 ref.)

Litigation in trauma. Staniforth P. **Injury** 1990 Sep; 21(5):321–4 (11 ref.)

Management issues for trauma patients with alcohol. Waller JA. **J Trauma** 1990 Dec;30(12):1548–53 (39 ref.)

Treatment of chemical and biological warfare injuries: insights derived from the 1984 Iraqi attack on Majnoon Island. Kadivar H, et al. **Mil Med** 1991 Apr;156(4):171–7 (20 ref.)

Pediatric trauma: initial evaluation and stabilization. McCarty DL, et al. **Pediatr Ann** 1990 Oct;19(10):584–90, 593–6 (13 ref.)

Initial management of trauma. The first 5 minutes. Barton RG, et al. **Postgrad Med** 1990 Oct;88(5):83–90 (20 ref.)

Paediatric trauma care. Cywes S, et al. **S Afr Med J** 1990 Oct 6;78(7):413–8 (32 ref.)

Nutritional support in the injured patient. Van Way CW 3d. **Surg Clin North Am** 1991 Jun;71(3):537–48 (37 ref.)

[Transfusion therapy and volume treatment in elective surgery and traumas] Søndenaa K, et al. **Tidsskr Nor Laegeforen** 1990 Nov 30;110(29):3725–8 (52 ref.) (Eng. Abstr.) **(Nor)**

WOUNDS, GUNSHOT

Penetrating orthopedic injuries. McAndrew MP, et al. **Surg Clin North Am** 1991 Apr;71(2):297–303 (27 ref.)

COMPLICATIONS

Plastic bullet arterial embolization following gunshot injury to the heart. Case report and review of the literature. Walden R, et al. **J Cardiovasc Surg (Torino)** 1990 Jul–Aug; 31(4):482–5 (34 ref.)

Peripheral vascular gunshot bullet embolus migration to the cerebral circulation. Report and literature review. Dadsetan MR, et al. **Neuroradiology** 1990;32(6):516–9 (17 ref.)

PATHOLOGY

Interpretation of unusual wounds caused by firearms. Stone IC, et al. **J Forensic Sci** 1991 May;36(3):736–40 (8 ref.)

PREVENTION & CONTROL

The epidemiologic basis for the prevention of firearm injuries. Kellermann AL, et al. **Annu Rev Public Health** 1991; 12:17–40 (87 ref.)

SURGERY

Field surgery on a future conventional battlefield: strategy and wound management. Ryan JM, et al. **Ann R Coll Surg Engl** 1991 Jan;73(1):13–20 (91 ref.)

Penetrating trauma involving the innominate artery. McLean TR, et al. **Ann Thorac Surg** 1991 Jan;51(1):113–4; discussion 114–5 (11 ref.)

"Directed" emergency room thoracotomy: a prognostic prerequisite for survival. Ivatury RR, et al. **J Trauma** 1991 Aug;31(8):1076–81; discussion 1081–2 (46 ref.)

[The place and extent of thoracotomy in gunshot chest wounds] Vasilev B, et al. **Khirurgiia (Sofiia)** 1990; 43(3):48–52 (14 ref.) (Eng. Abstr.) **(Bul)**

THERAPY

ABC of major trauma. Blast and gunshot injuries. Haywood I, et al. **BMJ** 1990 Nov 3;301(6759):1040–2 (0 ref.)

Principles of ballistics applicable to the treatment of gunshot wounds. Swan KG, et al. **Surg Clin North Am** 1991 Apr; 71(2):221–39 (18 ref.)

WOUNDS, MULTIPLE see **MULTIPLE TRAUMA**

WOUNDS, NONPENETRATING

ABC of major trauma. Trauma of the upper urinary tract. Terry T. **BMJ** 1990 Sep 8;301(6750):485–8 (0 ref.)

Blunt trauma during pregnancy. Pearlman MD, et al. **N Engl J Med** 1990 Dec 6;323(23):1609–13 (38 ref.)

COMPLICATIONS

Obstructing paraduodenal hematoma. Wilson EB, et al. **Am Surg** 1990 Nov;56(11):700–1 (16 ref.)

Pharyngoesophageal perforation after blunt neck trauma. Niezgoda JA, et al. **Ann Thorac Surg** 1990 Oct;50(4):615–7 (14 ref.)

Isolated gallbladder rupture due to blunt abdominal trauma. Schachter P, et al. **HPB Surg** 1989 Nov;1(4):359–62 (25 ref.)

Analysis of 46 intra-abdominal aortic injuries from blunt trauma: case reports and literature review. Reisman JD, et al. **J Trauma** 1990 Oct;30(10):1294–7 (40 ref.)

[Myocardial infarction caused by closed thoracic injury: pathogenic and angiocoronarographic aspects. Apropos of 4 cases and review of the literature] Marek A, et al. **Ann Cardiol Angeiol (Paris)** 1991 Mar;40(3):111–21 (55 ref.) (Eng. Abstr.) **(Fre)**

[Chronic false aneurysm of the sub-renal abdominal aorta after abdominal contusion] Melki J, et al. **J Mal Vasc** 1990; 15(4):377–9 (15 ref.) (Eng. Abstr.) **(Fre)**

[Acute occlusion of the iliac arteries due to blunt trauma] Sato M, et al. **Nippon Geka Gakkai Zasshi** 1991 May; 92(5):607–10 (10 ref.) (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

The evaluation of blunt abdominal trauma: computed tomography scan, lavage, or sonography? Thal ER, et al. **Adv Surg** 1991;24:201–28 (82 ref.)

Blow-out fractures: a review. O'Hare TH. **J Emerg Med** 1991 Jul–Aug;9(4):253–63 (37 ref.)

Diagnostic modalities in abdominal trauma. Peritoneal lavage, ultrasonography, computed tomography scanning, and arteriography. Feliciano DV. **Surg Clin North Am** 1991 Apr;71(2):241–56 (71 ref.)

[Fracture of the penis] Khinev A, et al. **Khirurgiia (Sofiia)** 1990;43(6):71–4 (16 ref.) (Eng. Abstr.) **(Bul)**

PATHOLOGY

Massive bilateral diaphragmatic rupture after an apparently minor automobile accident. Humphreys TR, et al. **Am J Emerg Med** 1991 May;9(3):246–9 (29 ref.)

PHYSIOPATHOLOGY

Blunt trauma to the heart: the pathophysiology of injury. Nirgiotis JG, et al. **J Emerg Med** 1990 Sep–Oct;8(5):617–23 (68 ref.)

RADIOGRAPHY

The normal mediastinum in blunt traumatic rupture of the thoracic aorta and brachiocephalic arteries. Woodring JH. **J Emerg Med** 1990 Jul–Aug;8(4):467–76 (72 ref.)

Retroperitoneal hematoma. Miller RS, et al. **J Tenn Med Assoc** 1991 May;84(5):227–9 (9 ref.)

REHABILITATION

Return to school following severe closed head injury: a critical phase in pediatric rehabilitation. Carney J, et al. **Pediatrician** 1990;17(4):222–9 (15 ref.)

SURGERY

Traumatic rupture of the corpus cavernosum. Kuyumcuoglu U, et al. **Int Urol Nephrol** 1990;22(4):363–6 (20 ref.)

"Directed" emergency room thoracotomy: a prognostic prerequisite for survival. Ivatury RR, et al. **J Trauma** 1991 Aug;31(8):1076–81; discussion 1081–2 (46 ref.)

Preliminary vascular control for renal trauma. Atala A, et al. **Surg Gynecol Obstet** 1991 May;172(5):386–90 (7 ref.)

[Successful emergency operation of a right atrial rupture due to a traffic accident] Takazawa A, et al. **Kyobu Geka** 1991 Jun;44(6):489–92 (10 ref.) (Eng. Abstr.) **(Jpn)**

THERAPY

Immediate and follow-up management of hepatic trauma. Feliciano DV. **Compr Ther** 1991 Apr;17(4):51–6 (15 ref.)

Treatment for acute tears of the lateral ligaments of the ankle. Operation, cast, or early controlled mobilization. Kannus P, et al. **J Bone Joint Surg [Am]** 1991 Feb;73(2):305–12 (77 ref.)

Conservative management of aortic lacerations due to blunt trauma. Fisher RG, et al. **J Trauma** 1990 Dec;30(12):1562–6 (12 ref.)

Nonoperative management of blunt liver injuries in adults: the need for continued surveillance. Knudson MM, et al. **J Trauma** 1990 Dec;30(12):1494–500 (46 ref.)

Emergency management of blunt trauma in children. Jaffe D, et al. **N Engl J Med** 1991 May 23;324(21):1477–82 (57 ref.)

Traumatic vulvar hematomas. Assessing and treating nonobstetric patients. Gianini GD, et al. **Postgrad Med** 1991 Mar;89(4):115–8 (7 ref.)

[A difficult therapeutic dilemma: pneumoperitoneum in severe blunt injuries treated by respiratory or cardiorespiratory resuscitation] Vu NH, et al. **J Chir (Paris)** 1991 May;128(5):235–9 (24 ref.) (Eng. Abstr.) **(Fre)**

WOUNDS, PENETRATING

ABC of major trauma. Trauma of the upper urinary tract. Terry T. **BMJ** 1990 Sep 8;301(6750):485–8 (0 ref.)

Puncture wounds and foreign body reactions. Krych SM, et al. **Clin Podiatr Med Surg** 1990 Oct;7(4):725–31 (19 ref.)

Penetrating wounds of the neck. Miller RH, et al. **Otolaryngol Clin North Am** 1991 Feb;24(1):15–29 (20 ref.)

Penetrating craniocerebral trauma. Rosenwasser RH, et al. **Surg Clin North Am** 1991 Apr;71(2):305–16 (49 ref.)

COMPLICATIONS

Internal carotid artery thrombosis following penetrating trauma of the soft palate: an injury of youth. Higgins GL 3d, et al. **J Fam Pract** 1991 Mar;32(3):316, 319–22 (43 ref.)

Intravascular missile embolization in childhood: report of a case, literature review, and recommendations for management. Massad M, et al. **J Pediatr Surg** 1990 Dec; 25(12):1292–4 (20 ref.)

Industrial nail gun injuries. Schor JS, et al. **South Med J** 1991 Jul;84(7):922–3 (10 ref.)

Hematoma of the optic nerve sheath after penetrating trauma. Stonecipher KG, et al. **South Med J** 1990 Oct;83(10):1230–1 (4 ref.)

DIAGNOSIS

Diagnostic modalities in abdominal trauma. Peritoneal lavage, ultrasonography, computed tomography scanning, and arteriography. Feliciano DV. **Surg Clin North Am** 1991 Apr;71(2):241–56 (71 ref.)

SURGERY

Preliminary vascular control for renal trauma. Atala A, et al. **Surg Gynecol Obstet** 1991 May;172(5):386–90 (7 ref.)

THERAPY

Management of soft tissue wounds associated with type III open fractures. Esterhai JL Jr, et al. **Orthop Clin North Am** 1991 Jul;22(3):427–32 (33 ref.)

Management of penetrating neck injuries. The controversy surrounding zone II injuries. Asensio JA, et al. **Surg Clin North Am** 1991 Apr;71(2):267–96 (91 ref.)

WOUNDS, STAB

Traumatic aneurysm of the superior cerebellar artery: case report and review of the literature. Quattrocchi KB, et al. **Neurosurgery** 1990 Sep;27(3):476–9 (20 ref.)

Spinal cord injury caused by a stab wound--a case report. Lee HM, et al. **Yonsei Med J** 1990 Sep;31(3):280–4 (9 ref.)

COMPLICATIONS

Traumatic diaphragmatic hernia and intestinal obstruction due to penetrating trunk wounds. Bush CA, et al. **South Med J** 1990 Nov;83(11):1347–50 (21 ref.)

SURGERY

"Directed" emergency room thoracotomy: a prognostic prerequisite for survival. Ivatury RR, et al. **J Trauma** 1991 Aug;31(8):1076–81; discussion 1081–2 (46 ref.)

WR-2721 see **ETHIOFOS**

WRIST

Thermography of the hand and wrist: practical applications. Feldman F. **Hand Clin** 1991 Feb;7(1):99–112 (58 ref.)

ABNORMALITIES

[Madelung's disease and lesions of the extensor tendons. A case report] Rondier J, et al. **Rev Chir Orthop** 1990; 76(3):204–8 (10 ref.) (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

Radiocephalic fistula in vascular access. Ryan JJ, et al. **Br J Surg** 1990 Dec;77(12):1321–2 (5 ref.)

Arteriography of the hand and wrist. Vogelzang RL. **Hand Clin** 1991 Feb;7(1):63–86 (70 ref.)

RADIOGRAPHY

Computed tomography of the hand and wrist. Magid D, et al. **Hand Clin** 1991 Feb;7(1):219–33 (21 ref.)

RADIONUCLIDE IMAGING

Nuclear medicine in evaluation of the hand and wrist. Maurer AH. **Hand Clin** 1991 Feb;7(1):183–200 (20 ref.)

SURGERY

Elbow, wrist, and hand surgery. Meuli HC. **Curr Opin Rheumatol** 1990 Feb;2(1):172–5 (21 ref.)

Synovectomy, arthroplasty, and arthrodesis in the reconstruction of the rheumatoid wrist and hand. Osterman AL, et al. **Curr Opin Rheumatol** 1991 Feb;3(1):102–8 (27 ref.)

ULTRASONOGRAPHY

[Sonography of the wrist and the hand] Milbradt H, et al. **Radiologe** 1990 Aug;30(8):360–5 (11 ref.) (Eng. Abstr.) **(Ger)**

WRIST INJURIES

Evaluation and treatment of hand and wrist disorders in musicians. Amadio PC, et al. **Hand Clin** 1990 Aug; 6(3):405–16 (62 ref.)

The epidemiology and prevention of hand and wrist injuries in performing artists. Brandfonbrener AG. **Hand Clin** 1990 Aug;6(3):365–77 (40 ref.)

Gymnast's wrist. Dobyns JH, et al. **Hand Clin** 1990 Aug; 6(3):493–505 (23 ref.)

Sport-related fractures and dislocations in the hand. Hankin FM, et al. **Hand Clin** 1990 Aug;6(3):429–53 (82 ref.)

Fractures and ligamentous injuries of the wrist. Koman LA, et al. **Hand Clin** 1990 Aug;6(3):477–91 (46 ref.)

CLASSIFICATION

Classification of distal radioulnar joint disorders. Nathan R, et al. **Hand Clin** 1991 May;7(2):239–47 (102 ref.)

DIAGNOSIS

[Arthroscopy of the wrist joint] Hempfling H. **Aktuel Probl Chir Orthop** 1991;40:31–4 (15 ref.) **(Ger)**

EPIDEMIOLOGY

Epidemiology of hand and wrist injuries in sports. Amadio PC. **Hand Clin** 1990 Aug;6(3):379–81 (24 ref.)

PHYSIOPATHOLOGY

Pathophysiology of overuse injuries in the hand and wrist. Pitner MA. **Hand Clin** 1990 Aug;6(3):355–64 (62 ref.)

PREVENTION & CONTROL

Prevention: conditioning and orthotics. Press JM, et al. **Hand Clin** 1990 Aug;6(3):383–92 (29 ref.)

RADIOGRAPHY

Radiographic and orthopedic evaluation of wrist trauma. FitzRandolph RL, et al. **Curr Probl Diagn Radiol** 1991 Jan–Feb;20(1):1–42 (127 ref.)

[Conventional diagnosis of carpal luxation and instability] Adolph J, et al. **Radiologe** 1990 Aug;30(8):353–9 (28 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Nonunion of a comminuted intra-articular wrist fracture after external fixation. A case report and review of the literature. Verhaven E, et al. **Arch Orthop Trauma Surg** 1991; 110(2):118–20 (24 ref.)

Acute injuries of the distal radioulnar joint. Aulicino PL, et al. **Hand Clin** 1991 May;7(2):283–93 (46 ref.)

Wrist and hand skeletal injuries in children. Beatty E, et al. **Hand Clin** 1990 Nov;6(4):723–38 (57 ref.)

The treatment of chronic traumatic subluxation of the distal ulna by hemiresection interposition arthroplasty. Imbriglia JE, et al. **Hand Clin** 1991 May;7(2):329–34 (37 ref.)

Arthroscopic treatment of TFCC lesions. Osterman AL, et al. **Hand Clin** 1991 May;7(2):277–81 (28 ref.)

WRIST JOINT

Instability of the distal radioulnar articulation. Bowers WH. **Hand Clin** 1991 May;7(2):311–27 (17 ref.)

Osteomyelitis of the wrist in a patient with Hodgkin's disease. Hayes TG, et al. **J Intern Med** 1991 May;229(5):467–9 (13 ref.)

[Arthroscopy of the wrist joint] Hempfling H. **Aktuel Probl Chir Orthop** 1991;40:31–4 (15 ref.) **(Ger)**

ANATOMY & HISTOLOGY

Histologic anatomy of the triangular fibrocartilage. Chidgey LK. **Hand Clin** 1991 May;7(2):249–62 (20 ref.)

Magnetic resonance imaging of the wrist. Greenan T, et al. **Semin Ultrasound CT MR** 1990 Aug;11(4):267–87 (50 ref.)

PHYSIOLOGY

Analysis of upper-extremity performance in athletes and musicians. An KN, et al. **Hand Clin** 1990 Aug;6(3):393–403 (19 ref.)

RADIOGRAPHY

Radiologic evaluation of hand and wrist motion. Bond JR, et al. **Hand Clin** 1991 Feb;7(1):113–23 (23 ref.)

Evaluation of joint disease in the adult hand and wrist. Buckwalter KA, et al. **Hand Clin** 1991 Feb;7(1):135–51 (48 ref.)

Imaging of the distal radioulnar joint. Burk DL Jr, et al. **Hand Clin** 1991 May;7(2):263–75 (26 ref.)

Arthrography of the hand and wrist. Mrose HE, et al. **Hand Clin** 1991 Feb;7(1):201–17 (69 ref.)

[Carpal instability and secondary degenerative changes in lesions of the radio-carpal ligaments with various etiology] Stäbler A, et al. **Handchir Mikrochir Plast Chir** 1990 Nov; 22(6):289–95 (29 ref.) (Eng. Abstr.) **(Ger)**

[Synopsis of wrist pathology. Xeroradiography vs digital radiology] Scutellari PN, et al. **Radiol Med (Torino)** 1990 Sep;80(3):244–54 (43 ref.) (Eng. Abstr.) **(Ita)**

SURGERY

Surgery for the rheumatoid wrist and hand. Norris SH. **Ann Rheum Dis** 1990 Oct;49 Suppl 2:863–70 (33 ref.)

Tenodesis of the chronically unstable distal ulna. Breen TF, et al. **Hand Clin** 1991 May;7(2):355–63 (26 ref.)

The distal radioulnar joint complex in rheumatoid arthritis: an overview. Clawson MC, et al. **Hand Clin** 1991 May; 7(2):373–81 (89 ref.)

Excision of the distal ulna in rheumatoid arthritis. Posner MA, et al. **Hand Clin** 1991 May;7(2):383–90 (44 ref.)

On the priorities of publication of some operative procedures on the distal end of the ulna. Buck-Gramcko D. **J Hand Surg [Br]** 1990 Nov;15(4):416–20 (37 ref.)

Factors influencing the results of implant surgery in the rheumatoid hand. Nalebuff EA. **J Hand Surg [Br]** 1990 Nov;15(4):395–403 (0 ref.)

[Scapho-trapezo-trapezoidal arthrodesis or triscaphe arthrodeses. Study of 36 reviewed cases] Voche P, et al. **Rev Chir Orthop** 1991;77(2):103–14 (31 ref.) (Eng. Abstr.) **(Fre)**

WRITING

The use of writing in psychotherapy. L'Abate L. **Am J Psychother** 1991 Jan;45(1):87–98 (35 ref.)

Writing easily read patient education handouts: a computerized approach. Baker GC. **Semin Dermatol** 1991 Jun;10(2):102–6 (19 ref.)

WRONGFUL BIRTH see **WRONGFUL LIFE**

WRONGFUL LIFE

HIV and childbearing. 2. AIDS and reproductive decisions: having children in fear and trembling. Arras JD. **Milbank Q** 1990;68(3):353–82 (37 ref.)

WRYNECK see **TORTICOLLIS**

WUCHERERIA

IMMUNOLOGY

Parasite antigenemia in lymphatic filariasis. Weil GJ. **Exp Parasitol** 1990 Oct;71(3):353–6 (16 ref.)

WUCHERERIA BANCROFTI

Filariasis in Ceylon then (1961) and in Sri Lanka now (1990–30 years on). Dissanaike AS. **Ann Trop Med Parasitol** 1991 Feb;85(1):123–9 (42 ref.)

Sex differentials in susceptibility to lymphatic filariasis and implications for maternal child immunity. Brabin L. **Epidemiol Infect** 1990 Oct;105(2):335–53 (78 ref.)

[Advances in filariasis control and research in China during 1986–1990. National Technical Steering Group for Filariasis Control and Research, MOPH] **Chung Kuo Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1991;9(2):81–5 (16 ref.) (Eng. Abstr.) **(Chi)**

X CHROMOSOME

Dermatomyositis-like syndrome in X-linked hypogammaglobulinemia. Case-report and review of the literature. Thyss A, et al. **Acta Derm Venereol (Stockh)** 1990;70(4):309–13 (20 ref.)

Hereditary nephrogenic diabetes insipidus. Bichet DG. **Adv Nephrol Necker Hosp** 1991;20:175–89 (72 ref.)

Penta X syndrome: a case report with review of the literature. Kassai R, et al. **Am J Med Genet** 1991 Jul 1;40(1):51–6 (25 ref.)

Balanced X;3 translocation associated with gonadal dysgenesis: clinical report and review [letter] Liu J. **Am J Med Genet** 1991 Jul 1;40(1):121–3 (10 ref.)

Sexual discordance in monozygotic twins. Perlman EJ, et al. **Am J Med Genet** 1990 Dec;37(4):551–7 (42 ref.)

Mosaicism 45,X/46,X, t dic(Xp:Xp) in a girl with short stature. Abulhasan SJ, et al. **Ann Genet** 1990;33(4):234–8 (19 ref.)

Molecular genetics of X-linked mutants. Hudson LD. **Ann N Y Acad Sci** 1990;605:155–65 (75 ref.)

The biochemistry of myelin in X-linked mutants. Quarles RH. **Ann N Y Acad Sci** 1990;605:135–45 (46 ref.)

X-linked gene expression and sex determination in Caenorhabditis elegans. Meneely PM. **Bioessays** 1990 Nov; 12(11):513–8 (29 ref.)

The human X chromosome. Hamerton JL. **Birth Defects** 1990;26(4):283–7 (17 ref.)

Genetics of human X-linked immunodeficiency diseases. Hendriks RW, et al. **Clin Exp Immunol** 1991 Aug; 85(2):182–92 (102 ref.)

Report of the committee on the genetic constitution of the X chromosome. Davies KE, et al. **Cytogenet Cell Genet** 1990;55(1–4):254–313 (632 ref.)

Sex chromosome-specific DNA sequences. Davies KE, et al. **Differentiation** 1983;23 Suppl:S44–7 (39 ref.)

X-linked genes and gonadal differentiation. Wolf U. **Differentiation** 1983;23 Suppl:S104–6 (18 ref.)

Corpus callosum agenesis, spastic quadriparesis and irregular lining of the lateral ventricles on CT-scan. A distinct X-linked mental retardation syndrome? Vles JS, et al. **Genet Couns** 1990;1(2):97–102 (19 ref.)

Insights into X chromosome inactivation from studies of species variation, DNA methylation and replication, and vice versa. Migeon BR. **Genet Res** 1990 Oct-Dec; 56(2–3):91–8 (75 ref.)

The search for the mouse X-chromosome inactivation centre. Rastan S, et al. **Genet Res** 1990 Oct-Dec;56(2–3):99–106 (51 ref.)

Conserved loci on the X chromosome confer phosphate homeostasis in mice and humans. Scriver CR, et al. **Genet Res** 1990 Oct-Dec;56(2–3):141–52 (123 ref.)

The critical region on the human Xq. Therman E, et al. **Hum Genet** 1990 Oct;85(5):455–61 (105 ref.)

The Xlr (X-linked lymphocyte regulated) gene family (a candidate locus for an X-linked primary immune deficiency). Garchon HJ. **Immunodefic Rev** 1991; 2(4):283–302 (53 ref.)

X chromosome linked immunodeficiency. Schwaber J, et al. **Immunodefic Rev** 1990;2(3):233–51 (99 ref.)

X linked mental retardation. Glass IA. **J Med Genet** 1991 Jun;28(6):361–71 (152 ref.)

Non-specific X linked mental retardation. Kerr B, et al. **J Med Genet** 1991 Jun;28(6):378–82 (45 ref.)

Molecular basis of human MAO A and B. Shih JC. **Neuropsychopharmacology** 1991 Jan;4(1):1–7 (43 ref.)

["Pseudo-lupus" eruptions in a mother carrying X chromosome-linked chronic septic granulomatosis] Cuny JF, et al. **Ann Dermatol Venereol** 1990;117(10):713–8 (32 ref.) (Eng. Abstr.) **(Fre)**

[Duchenne muscular dystrophy carrier presenting with mosaic X chromosome constitution and muscular symptoms--with analysis of the barr bodies in the muscle] Kinoshita M, et al. **Rinsho Shinkeigaku** 1990 Jun; 30(6):643–6 (15 ref.) (Eng. Abstr.) **(Jpn)**

[Hypothyroidism and isochromosome X in Turner's syndrome] Garcia Cuartero B, et al. **An Esp Pediatr** 1991 Feb;34(2):161–2 (8 ref.) **(Spa)**

X CHROMOSOME

METABOLISM

Genomic imprinting in mammalian development: a parental tug-of-war. Moore T, et al. **Trends Genet** 1991 Feb; 7(2):45–9 (37 ref.)

PHYSIOLOGY

Expression of the 12E7 antigen is controlled independently by genes on the human X and Y chromosomes. Goodfellow P. **Differentiation** 1983;23 Suppl:S35–9 (38 ref.)

Y or X—which determines sex? [news] Graves JA, et al. **Reprod Fertil Dev** 1990;2(6):729–35 (35 ref.)

X INACTIVATION see **DOSAGE COMPENSATION (GENETICS)**

X-LINKED LYMPHOPROLIFERATIVE SYNDROME see **LYMPHOPROLIFERATIVE DISORDERS**

X-RAY DEPARTMENTS see **RADIOLOGY DEPARTMENT, HOSPITAL**

X-RAY, DIAGNOSTIC see **RADIOGRAPHY**

X-RAY DIFFRACTION

Mechanism of adenylate kinase: site-directed mutagenesis versus X-ray and NMR. Tsai MD, et al. **Biochemistry** 1991 Jul 16;30(28):6806–18 (83 ref.)

X-RAY EMISSION SPECTROMETRY see **SPECTROMETRY, X-RAY EMISSION**

X-RAY EMISSION SPECTROMETRY, ELECTRON MICROSCOPIC see **ELECTRON PROBE MICROANALYSIS**

X-RAY EMISSION SPECTROMETRY, ELECTRON PROBE see **ELECTRON PROBE MICROANALYSIS**

X-RAY FILM-SCREEN SYSTEMS see **X-RAY INTENSIFYING SCREENS**

X-RAY FLUORESCENCE SPECTROMETRY see **SPECTROMETRY, X-RAY EMISSION**

X-RAY INFORMATION SYSTEMS see **RADIOLOGY INFORMATION SYSTEMS**

X-RAY INTENSIFYING SCREENS

Clinical experience in the use of photostimulable phosphor radiographic systems. Murphey MD, et al. **Invest Radiol** 1991 Jun;26(6):590–7 (35 ref.)

[Recent developments in x-ray luminescent imaging systems] Gurvič AM, et al. **Radiol Diagn (Berl)** 1990;31(4):401–8 (46 ref.) (Eng. Abstr.) **(Ger)**

X-RAY MICROANALYSIS, ELECTRON MICROSCOPIC see **ELECTRON PROBE MICROANALYSIS**

X-RAY MICROANALYSIS, ELECTRON PROBE see **ELECTRON PROBE MICROANALYSIS**

X-RAY TOMOGRAPHY, COMPUTED see **TOMOGRAPHY, X-RAY COMPUTED**

X-RAYS

[Small-angle X-ray scattering study of biological macromolecules in solution] Sato M. **Tanpakushitsu Kakusan Koso** 1990 Dec;35(16):2883–91 (36 ref.) **(Jpn)**

XANTHENES

The use of the diff-quik stain in the immediate interpretation of fine-needle aspiration biopsies. Silverman JF, et al. **Diagn Cytopathol** 1990;6(5):366–9 (16 ref.)

DIAGNOSTIC USE

Flow cytometric measurement of intracellular ionized calcium in single cells with indo-1 and fluo-3. June CH, et al. **Methods Cell Biol** 1990;33:37–58 (55 ref.)

XANTHINE DEHYDROGENASE

METABOLISM

Divergency of structure and function of vertebrate xanthine:NAD+ oxidoreductase. Jeżewska M. **Acta Biochim Pol** 1990;37(3):331–44 (41 ref.)

XANTHINES

ADVERSE EFFECTS

Consumption of methylxanthine-containing beverages and the risk of breast cancer. Lubin F, et al. **Cancer Lett** 1990 Sep;53(2–3):81–90 (54 ref.)

PHARMACOLOGY

Modulation of the protective efficacy of common antiepileptic drugs by xanthine derivatives: implications for the clinical use of xanthines in epileptic patients. Czuczwar SJ, et al. **Pharmacol Res** 1990 Nov–Dec;22(6):661–5 (36 ref.)

URINE

Asymptomatic hereditary xanthinuria: a case report. Nagae A, et al. **Jpn J Med** 1990 May–Jun;29(3):287–91 (20 ref.)

XANTHOGRANULOMA, JUVENILE see **XANTHOMA, JUVENILE**

XANTHOMA DISSEMINATUM see **HISTIOCYTOSIS, NON-LANGERHANS-CELL**

XANTHOMA, JUVENILE

COMPLICATIONS

Xanthomas and the inherited hyperlipoproteinemias in children and adolescents. Maher-Wiese VL, et al. **Pediatr Dermatol** 1990 Sep;7(3):166–73 (36 ref.)

XANTHOMATOSIS

Retroperitoneal xanthogranuloma: report of two cases with a review of the literature. Hennessy OF, et al. **Australas Radiol** 1990 Nov;34(4):347–9 (11 ref.)

Cerebrotendinous xanthomatosis: clinical and biochemical evaluation of eight patients and review of the literature. Kuriyama M, et al. **J Neurol Sci** 1991 Apr;102(2):225–32 (82 ref.)

Multicentric intracranial fibrous xanthoma—case report. Yamataki A, et al. **Neurol Med Chir (Tokyo)** 1990 Oct; 30(10):759–62 (13 ref.)

COMPLICATIONS

Necrobiotic xanthogranuloma with IgA multiple myeloma: a case report and literature review. Valentine EA, et al. **Am J Hematol** 1990 Dec;35(4):283–5 (6 ref.)

ETIOLOGY

[Unilateral (7 cases), bilateral (1 case) cerebral xanthomatosis: involvement of the temporal bone alone?] Defauchy M. **Bull Soc Ophtalmol Fr** 1990 Aug–Sep;90(8–9):837–41 (7 ref.) (Eng. Abstr.) **(Fre)**

GENETICS

[Peripheral neuropathy in a sporadic case of cerebrotendinous xanthomatosis] Ben Hamida M, et al. **Rev Neurol (Paris)** 1991;147(5):385–8 (11 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

[A case of systemic xanthogranulomatosis with an intracranial lesion: immunohistochemical study] Miyachi S, et al. **No Shinkei Geka** 1991 Feb;19(2):185–90 (16 ref.) (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

The role of HDL in reverse cholesterol transport and its disturbances in Tangier disease and HDL deficiency with xanthomas. Schmitz G, et al. **Eur Heart J** 1990 Aug;11 Suppl E:197–211 (98 ref.)

RADIOGRAPHY

Retroperitoneal xanthogranuloma: report of two cases with a review of the literature. Hennessy OF, et al. **Australas Radiol** 1990 Nov;34(4):347–9 (11 ref.)

XANTHOTOXIN see **METHOXSALEN**

XENOANTIBODIES see **ANTIBODIES, HETEROPHILE**

XENOANTIGENS see **ANTIGENS, HETEROPHILE**

XENOBIOTICS

Molecular genetics of polyketides and its comparison to fatty acid biosynthesis. Hopwood DA, et al. **Annu Rev Genet** 1990;24:37–66 (119 ref.)

[Problems of molecular toxicology] Tiunov LA. **Vestn Akad Med Nauk SSSR** 1991;(1):8–12 (68 ref.) (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Assessment of enzyme induction and enzyme inhibition in humans: toxicological implications. Park BK, et al. **Xenobiotica** 1990 Nov;20(11):1171–85 (75 ref.)

[Rhabdomyolysis induced by xenobiotics] Cotrău M, et al. **Rev Med Chir Soc Med Nat Iasi** 1990 Jan–Mar;94(1):39–43 (5 ref.) **(Rum)**

[Allergic diseases. Analysis of the causes of their increase] Velichkovskiĭ BT. **Vestn Akad Med Nauk SSSR** 1991; (1):28–33 (21 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Immunotoxicology; current developments and trends] Claassen E. **Ned Tijdschr Geneeskd** 1991 May 18; 135(20):879–85 (39 ref.) **(Dut)**

METABOLISM

The metabolism of xenobiotics and its relationship to toxicity/genotoxicity: studies with human lymphocytes. Lundgren B, et al. **Acta Physiol Scand Suppl** 1990;592:49–59 (18 ref.)

Microbial cytochromes P-450 and xenobiotic metabolism. Sariaslani FS. **Adv Appl Microbiol** 1991;36:133–78 (128 ref.)

Chiral drug metabolism: a perspective. Kaye B. **Biochem Soc Trans** 1991 Apr;19(2):456–9 (15 ref.)

Bioactivation of xenobiotics by formation of toxic glutathione conjugates. Koob M, et al. **Chem Biol Interact** 1991; 77(2):107–36 (189 ref.)

Metabolism and toxicity of xenobiotics in the adrenal cortex, with particular reference to 7,12-dimethylbenz(a)anthracene. Hallberg E. **J Biochem Toxicol** 1990 Summer;5(2):71–90 (220 ref.)

Gender-related differences in xenobiotic metabolism. Bonate PL. **J Clin Pharmacol** 1991 Aug;31(8):684–90 (59 ref.)

Incorporation of xenobiotic carboxylic acids into lipids. Dodds PF. **Life Sci** 1991;49(9):629–49 (108 ref.)

Localization, distribution, and induction of xenobiotic-metabolizing enzymes and aryl hydrocarbon hydroxylase activity within lung. Baron J, et al. **Pharmacol Ther** 1990;47(3):419–45 (173 ref.)

Mechanisms of inhibition of xenobiotic-metabolizing enzymes. Testa B. **Xenobiotica** 1990 Nov;20(11):1129–37 (26 ref.)

PHARMACOKINETICS

Bioactivation of xenobiotics by flavin-containing monooxygenases. Ziegler DM. **Adv Exp Med Biol** 1991; 283:41–50 (37 ref.)

Pharmacokinetic-pharmacogenetic modelling in the detection of polymorphisms in xenobiotic metabolism. Jackson PR, et al. **Ann Occup Hyg** 1990 Dec;34(6):653–62 (13 ref.)

The toxicological significance of xenobiotic metabolism. Caldwell J, et al. **Food Addit Contam** 1990;7 Suppl 1:S116–26 (32 ref.)

Physiological alterations during pregnancy: impact on toxicokinetics. Mattison DR, et al. **Fundam Appl Toxicol** 1991 Feb;16(2):215–8 (13 ref.)

Action by the lungs on circulating xenobiotic agents, with a case study of physiologically based pharmacokinetic modeling of benzo(a)pyrene disposition. Roth RA, et al. **Pharmacol Ther** 1990;48(2):143–55 (85 ref.)

Prediction of xenobiotic metabolism by non-invasive methods. Loft S, et al. **Pharmacol Toxicol** 1990 Aug; 67(2):101–8 (104 ref.)

Physiological pharmacokinetic modelling. Balant LP, et al. **Xenobiotica** 1990 Nov;20(11):1241–57 (28 ref.)

Human accumulation potential of xenobiotics: potential of catamphiphilic drugs to promote their accumulation via inducing lipidosis or mucopolysaccharidosis. Hein L, et al. **Xenobiotica** 1990 Nov;20(11):1259–67 (27 ref.)

PHARMACOLOGY

Pharmacokinetic-pharmacogenetic modelling in the detection of polymorphisms in xenobiotic metabolism. Jackson PR, et al. **Ann Occup Hyg** 1990 Dec;34(6):653–62 (13 ref.)

Substructural alterations of liver parenchymal cells induced by xenobiotics. Franke H. **Exp Pathol** 1990;39(3–4):139–55 (66 ref.)

Morphological reaction patterns of the human liver during xenobiotic loading. A light microscopic contribution. Machnik G. **Exp Pathol** 1990;39(3–4):123–38 (29 ref.)

The effects of xenobiotics on hepatic lipid and lipo-protein metabolism. Niemann R. **Exp Pathol** 1990;39(3–4):213–32 (71 ref.)

Xenobiotic regulation of glutathione S-transferase Ya gene expression. Paulson KE. **Mol Toxicol** 1989 Oct-Dec; 2(4):215–35 (48 ref.)

Multidrug resistance gene family and chemical carcinogens. Thorgeirsson SS, et al. **Pharmacol Ther** 1991;49(3):283–92 (62 ref.)

Induction of drug-metabolizing enzymes by xenobiotics. Bock KW, et al. **Xenobiotica** 1990 Nov;20(11):1101–11 (60 ref.)

Species variation in the response of the cytochrome P-450-dependent monooxygenase system to inducers and inhibitors. Boobis AR, et al. **Xenobiotica** 1990 Nov; 20(11):1139–61 (100 ref.)

TOXICITY

Dietary modulation of the glutathione detoxification pathway and the potential for altered xenobiotic metabolism. Smith TK. **Adv Exp Med Biol** 1991;289:165–9 (19 ref.)

Interactions of xenobiotics in the respiratory tract following non-inhalation routes of exposure. Brittebo EB, et al. **Int J Epidemiol** 1990;19 Suppl 1:S24–31 (67 ref.)

Nephrocarcinogenic xenobiotics. Henschler D, et al. **Toxicol Lett** 1990 Sep;53(1–2):105–10 (20 ref.)

Interspecies scaling and comparisons in drug development and toxicokinetics. Ings RM. **Xenobiotica** 1990 Nov;

20(11):1201–31 (61 ref.)
Design of toxicokinetic studies. Smith DA, et al. **Xenobiotica** 1990 Nov;20(11):1187–99 (15 ref.)
[Monitoring of xenobiotics in food products and daily diets (review of the literature)] Gabovich RD, et al. **Gig Sanit** 1990 Jul;(7):26–32 (56 ref.) **(Rus)**

XENOGRAFT see **TRANSPLANTATION, HETEROLOGOUS**

XENOGRAFT BIOPROSTHESIS see **BIOPROSTHESIS**

XENOGRAFT DRESSINGS see **BIOLOGICAL DRESSINGS**

XENON

DIAGNOSTIC USE

Measurement of cerebral blood flow by the stable xenon computerized tomography method. Bidabé AM, et al. **J Neuroradiol** 1990;17(2):103–24 (58 ref.) **(Eng, Fre)**

XENON RADIOISOTOPES

DIAGNOSTIC USE

Regional cerebral blood flow measurement in humans by xenon–133 clearance. Obrist WD, et al. **Cerebrovasc Brain Metab Rev** 1990 Winter;2(4):283–327 (415 ref.)

XENOPUS

EMBRYOLOGY

Regulation of protein synthesis in early amphibian development. Woodland HR. **J Reprod Fertil Suppl** 1990; 42:215–24 (57 ref.)
Carbon metabolism in early amphibian embryos. Dworkin MB, et al. **Trends Biochem Sci** 1991 Jun;16(6):229–34 (34 ref.)

PHYSIOLOGY

Stoichiometry and voltage dependence of the Na+/K+ pump in squid giant axons and Xenopus oocytes. Rakowski RF. **Soc Gen Physiol Ser** 1991;46:339–53 (25 ref.)

XENOPUS LAEVIS

Gene expression in Xenopus oocytes. Wang HC, et al. **Int J Biochem** 1991;23(3):271–6 (46 ref.)

ANATOMY & HISTOLOGY

Fertilization–induced changes in the vitelline envelope of echinoderm and amphibian eggs: self–assembly of an extracellular matrix. Larabell C, et al. **J Electron Microsc Tech** 1991 Mar;17(3):294–318 (112 ref.)

EMBRYOLOGY

Cellular and genetic responses to mesoderm induction in Xenopus. Hopwood ND. **Bioessays** 1990 Oct;12(10):465–71 (44 ref.)
Regional neural induction in Xenopus laevis. Sharpe CR. **Bioessays** 1990 Dec;12(12):591–6 (27 ref.)
Synthesis, assembly and organization of the cytoskeleton during early amphibian development. Bement WM, et al. **Semin Cell Biol** 1990 Oct;1(5):383–9 (52 ref.)
Cytoskeleton in Xenopus oocytes and eggs. Elinson RP, et al. **Semin Cell Biol** 1990 Oct;1(5):349–57 (96 ref.)

METABOLISM

Coinjection of Xenopus oocytes with cDNA–produced and native mRNAs: a molecular biological approach to the tissue–specific processing of human cholinesterases. Seidman S, et al. **Int Rev Neurobiol** 1990;32:107–39 (138 ref.)

PHYSIOLOGY

Experience–dependent formation of binocular maps in frogs. Possible involvement of N–methyl–D–aspartate receptors. Udin SB, et al. **Ann N Y Acad Sci** 1991;627:26–41 (50 ref.)
Transformation of the amphibian oocyte into the egg: structural and biochemical events. Bement WM, et al. **J Electron Microsc Tech** 1990 Nov;16(3):202–34 (271 ref.)
Involvement of calcium and inositol phosphates in amphibian egg activation. Busa WB. **J Reprod Fertil Suppl** 1990; 42:155–61 (39 ref.)

XERODERMA see **ICHTHYOSIS**

XERODERMA PIGMENTOSUM

PATHOLOGY

Xeroderma pigmentosum group D patient bearing lentigo maligna without neurological symptoms. Fukuro S, et al. **Dermatologica** 1990;181(2):129–33 (18 ref.)
Xeroderma pigmentosum: review and report of a case. Patton LL, et al. **Oral Surg Oral Med Oral Pathol** 1991 Mar; 71(3):297–300 (24 ref.)

THERAPY

[Treatment of Kaposi's disease] Bachelez H. **Ann Dermatol Venereol** 1990;117(8):577–80 (15 ref.) **(Fre)**

XERORADIOGRAPHY

[Synopsis of wrist pathology. Xeroradiography vs digital radiology] Scutellari PN, et al. **Radiol Med (Torino)** 1990 Sep;80(3):244–54 (43 ref.) (Eng. Abstr.) **(Ita)**

XEROSTOMIA

Xerostomia. Manthorpe R, et al. **Clin Exp Rheumatol** 1990 Jul–Aug;8 Suppl 5:7–12 (16 ref.)

DIAGNOSIS

Evaluation of some electrical methods for objective assessment of oral mucosal dryness. Henricsson V, et al. **Scand J Dent Res** 1990 Dec;98(6):520–8 (31 ref.)

THERAPY

Chewing gum as aid in treatment of hyposalivation. Odusola F. **N Y State Dent J** 1991 Apr;57(4):28–31 (40 ref.)

XYLANS

METABOLISM

Physiology and genetics of xylan degradation by gastrointestinal tract bacteria. Hespell RB, et al. **J Dairy Sci** 1990 Oct;73(10):3013–22 (53 ref.)

XYLENES

ADMINISTRATION & DOSAGE

[Induction of cytochrome P–450 monooxygenase after combined exposure of rats to xylene and ethanol] Wiśniewska–Knypl JM, et al. **Folia Med Cracov** 1990; 31(3):185–92 (12 ref.) (Eng. Abstr.) **(Pol)**

METABOLISM

The TOL plasmids: determinants of the catabolism of toluene and the xylenes. Assinder SJ, et al. **Adv Microb Physiol** 1990;31:1–69 (190 ref.)

PHARMACOLOGY

[Stimulation of microsomal lipid peroxidation as the effect of combined action of xylene and ethanol] Jajte J, et al. **Folia Med Cracov** 1990;31(3):193–9 (18 ref.) (Eng. Abstr.) **(Pol)**

TOXICITY

Xylene/amitraz: a pharmacologic review and profile. Jones RD. **Vet Hum Toxicol** 1990 Oct;32(5):446–8 (30 ref.)

XYLITOL

THERAPEUTIC USE

Perspectives on xylitol–induced oral effects. Söderling E, et al. **Proc Finn Dent Soc** 1991;87(2):217–29 (71 ref.)

Y CHROMOSOME

Report of the committee on the genetic constitution of the Y chromosome. Weissenbach J, et al. **Cytogenet Cell Genet** 1990;55(1–4):314–20 (65 ref.)
Sex chromosome–specific DNA sequences. Davies KE, et al. **Differentiation** 1983;23 Suppl:S44–7 (39 ref.)
Mosaic 46, XY/47,XY, + der(18)t(Y;18)(q11.22;q11.2) karyotype, moderate mental retardation and non–specific dysmorphism. Fryns JP, et al. **Genet Couns** 1990;1(2):173–7 (10 ref.)
A sterile male with 45,X0 and a Y;22 translocation. Arnemann J, et al. **Hum Genet** 1991 Jun;87(2):134–8 (54 ref.)
The ZFY gene family in humans and mice. Koopman P, et al. **Trends Genet** 1991 Apr;7(4):132–6 (34 ref.)
[The human Y chromosome] Cuevas–Covarrubias SA, et al. **Rev Invest Clin** 1990 Oct–Dec;42(4):290–7 (72 ref.) (Eng. Abstr.) **(Spa)**

CHEMISTRY

[Role of chromosome Y in sex determination (editorial)] Petit C. **Presse Med** 1991 Mar 30;20(12):539–40 (9 ref.) **(Fre)**

PHYSIOLOGY

Expression of the 12E7 antigen is controlled independently by genes on the human X and Y chromosomes. Goodfellow P. **Differentiation** 1983;23 Suppl:S35–9 (38 ref.)
Y or X—which determines sex? [news] Graves JA, et al. **Reprod Fertil Dev** 1990;2(6):729–35 (35 ref.)
[The Y chromosome and sex determination] Weissenbach J, et al. **Reprod Nutr Dev** 1990;Suppl 1:27s–38s (65 ref.) (Eng. Abstr.) **(Fre)**

YAWNING

PHYSIOLOGY

[Yawning. Physiopathology and neuropharmacology] Blin O, et al. **Therapie** 1991 Jan–Feb;46(1):37–43 (55 ref.) (Eng. Abstr.) **(Fre)**

YAWS

Endemic treponematoses. Part I. Yaws. Engelkens HJ, et al. **Int J Dermatol** 1991 Feb;30(2):77–83 (52 ref.)

YEASTS

CLASSIFICATION

Systematics of methylotrophic yeasts. Komagata K. **Biotechnology** 1991;18:25–37 (44 ref.)
Current views on the yeast species. Lachance MA. **Microbiol Sci** 1985;2(4):122–6 (34 ref.)

CYTOLOGY

The yeast cell cycle. Goebl MG, et al. **Curr Opin Cell Biol** 1991 Apr;3(2):242–6 (28 ref.)
The cytoskeleton and control of the yeast cell cycle. Streiblová E, et al. **Microbiol Sci** 1985 May;2(5):139–43 (41 ref.)

ENZYMOLOGY

Three proton–pumping ATPases in yeast. Goffeau A, et al. **Microbiol Sci** 1986 Jun;3(6):164–8 (25 ref.)
Biosynthesis and assembly of alcohol oxidase, a peroxisomal matrix protein in methylotrophic yeasts: a review. van der Klei IJ, et al. **Yeast** 1991 Apr;7(3):195–209 (99 ref.)

GENETICS

Transfer and expression of heterologous genes in yeasts other than Saccharomyces cerevisiae. Reiser J, et al. **Adv Biochem Eng Biotechnol** 1990;43:75–102 (241 ref.)
Production in yeast versus mammalian cells of the first recombinant DNA human vaccine and its proved safety, efficacy, and economy: hepatitis B vaccine. Stephenne J. **Adv Biotechnol Processes** 1990;14:279–99 (32 ref.)
Secretion of mammalian polypeptides from yeast. Carter BL, et al. **Microbiol Sci** 1986 Jan;3(1):23–7 (36 ref.)
Yeast tubulin genes. Yanagida M. **Microbiol Sci** 1987 Apr; 4(4):115–8 (21 ref.)
Mitochondrial aminoacyl–tRNA synthetases. Tzagoloff A, et al. **Prog Nucleic Acid Res Mol Biol** 1990;39:129–58 (121 ref.)

GROWTH & DEVELOPMENT

Mixed substrates and mixed cultures. Egli T, et al. **Biotechnology** 1991;18:173–201 (121 ref.)
The growth rate–limiting reaction in methanol–assimilating yeasts. Brinkmann U, et al. **FEMS Microbiol Rev** 1990 Dec; 7(3–4):261–5 (15 ref.)
Yeast spoilage of bakery products and ingredients. Legan JD, et al. **J Appl Bacteriol** 1991 May;70(5):361–71 (58 ref.)

ISOLATION & PURIFICATION

Foodborne yeasts. Deák T. **Adv Appl Microbiol** 1991; 36:179–278 (423 ref.)
Critical review of isolation, detection, and identification of yeasts from meat products. Fung DY, et al. **Crit Rev Food Sci Nutr** 1990;29(5):341–79 (78 ref.)

METABOLISM

Inositol metabolism in yeasts. White MJ, et al. **Adv Microb Physiol** 1991;32:1–51 (136 ref.)
Oxidation pathways in methylotrophs. Rokem JS, et al. **Biotechnology** 1991;18:111–26 (55 ref.)
Production of useful chemicals by methylotrophs. Tani Y. **Biotechnology** 1991;18:253–70 (108 ref.)
Emerging applications of the methylotrophic yeasts. Wegner GH. **FEMS Microbiol Rev** 1990 Dec;7(3–4):279–83 (22 ref.)
Glucose repression: a complex regulatory system in yeast. Entian KD. **Microbiol Sci** 1986 Dec;3(12):366–71 (65 ref.)
Passage of molecules through yeast cell walls: a brief essay–review. De Nobel JG, et al. **Yeast** 1991 May–Jun; 7(4):313–23 (124 ref.)

PHYSIOLOGY

Trehalose in yeast, stress protectant rather than reserve carbohydrate. Wiemken A. **Antonie Van Leeuwenhoek** 1990 Oct;58(3):209–17 (47 ref.)
Interfaces of the yeast killer phenomenon. Polonelli L, et al. **Crit Rev Microbiol** 1991;18(1):47–87 (556 ref.)
Structure/function relationships in methylotrophic yeasts. Harder W. **FEMS Microbiol Rev** 1990 Dec;7(3–4):191–9 (29 ref.)
A killer system in yeasts: applications to genetics and industry. Vondrejs V. **Microbiol Sci** 1987 Oct;4(10):313–6 (30 ref.)

YELLOW FEVER

YELLOW FEVER

EPIDEMIOLOGY

The role of monkeys in the biology of dengue and yellow fever. Rodhain F. **Comp Immunol Microbiol Infect Dis** 1991;14(1):9–19 (40 ref.)

YELLOW MARROW see **BONE MARROW**

YERSINIA

CLASSIFICATION

Yersiniosis. Carniel E, et al.
Comp Immunol Microbiol Infect Dis 1990;13(2):51–8 (30 ref.)

PATHOGENICITY

Molecular biology of the factors responsible for Yersinia virulence. Smirnov GB. **Biomed Sci** 1990 Mar;1(3):223–32 (69 ref.)

Factors promoting acute and chronic diseases caused by yersiniae. Brubaker RR. **Clin Microbiol Rev** 1991 Jul; 4(3):309–24 (167 ref.)

The low-Ca2+ response virulence regulon of human-pathogenic Yersiniae. Straley SC. **Microb Pathog** 1991 Feb;10(2):87–91 (23 ref.)

YERSINIA ENTEROCOLITICA

Yersinia enterocolitica: intestinal features. Gurguí Ferrer M, et al. **Dig Dis** 1990;8(6):313–21 (40 ref.)

CLASSIFICATION

Yersiniosis. Carniel E, et al.
Comp Immunol Microbiol Infect Dis 1990;13(2):51–8 (30 ref.)

IMMUNOLOGY

Yersinia enterocolitica and thyroid autoimmunity. Bech K. **Autoimmunity** 1990;7(4):291–4 (23 ref.)

Autoimmune thyroid diseases and enteropathogenic Yersinia enterocolitica. Wenzel BE, et al. **Autoimmunity** 1990; 7(4):295–303 (43 ref.)

ISOLATION & PURIFICATION

Yersinia enterocolitica abscess of the transverse colon. Report of a case. Sanford AH. **Dis Colon Rectum** 1990 Nov;33(11):985–6 (6 ref.)

Aspects of the epidemiology of Yersinia enterocolitica: a review. Andersen JK, et al. **Int J Food Microbiol** 1991 Jul;13(3):231–7 (27 ref.)

[Clinical aspects, diagnosis and therapy of Yersinia enterocolitica infections] Hoogkamp-Korstanje JA, et al. **Immun Infekt** 1990 Dec;18(6):192–7 (23 ref.) (Eng. Abstr.) **(Ger)**

PATHOGENICITY

Yersinia enterocolitica in food hygiene. Kapperud G. **Int J Food Microbiol** 1991 Jan;12(1):53–65 (40 ref.)

Yersinia enterocolitica: mechanisms of microbial pathogenesis and pathophysiology of diarrhoea. O'Loughlin EV, et al. **J Gastroenterol Hepatol** 1990 Mar-Apr;5(2):173–9 (66 ref.)

Pathogenic Escherichia coli, Yersinia enterocolitica, and Vibrio parahaemolyticus. Doyle MP. **Lancet** 1990 Nov 3; 336(8723):1111–5 (15 ref.)

[Enteropathogenic yersinias: pathogenicity factors and new diagnostic methods] Heesemann J. **Immun Infekt** 1990 Dec; 18(6):186–91 (49 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

[Microbiology and epidemiology of Yersinia infections] Aleksić S, et al. **Immun Infekt** 1990 Dec;18(6):178–85 (67 ref.) (Eng. Abstr.) **(Ger)**

YERSINIA INFECTIONS

Yersinia enterocolitica: intestinal features. Gurguí Ferrer M, et al. **Dig Dis** 1990;8(6):313–21 (40 ref.)

DIAGNOSIS

[Clinical aspects, diagnosis and therapy of Yersinia enterocolitica infections] Hoogkamp-Korstanje JA, et al. **Immun Infekt** 1990 Dec;18(6):192–7 (23 ref.) (Eng. Abstr.) **(Ger)**

EPIDEMIOLOGY

Yersiniosis. Carniel E, et al.
Comp Immunol Microbiol Infect Dis 1990;13(2):51–8 (30 ref.)

ETIOLOGY

Factors promoting acute and chronic diseases caused by yersiniae. Brubaker RR. **Clin Microbiol Rev** 1991 Jul; 4(3):309–24 (167 ref.)

IMMUNOLOGY

Yersinia enterocolitica and thyroid autoimmunity. Bech K. **Autoimmunity** 1990;7(4):291–4 (23 ref.)

MICROBIOLOGY

Yersinia enterocolitica abscess of the transverse colon. Report of a case. Sanford AH. **Dis Colon Rectum** 1990 Nov;33(11):985–6 (6 ref.)

[Microbiology and epidemiology of Yersinia infections] Aleksić S, et al. **Immun Infekt** 1990 Dec;18(6):178–85 (67 ref.) (Eng. Abstr.) **(Ger)**

[Enteropathogenic yersinias: pathogenicity factors and new diagnostic methods] Heesemann J. **Immun Infekt** 1990 Dec; 18(6):186–91 (49 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Yersinia enterocolitica: mechanisms of microbial pathogenesis and pathophysiology of diarrhoea. O'Loughlin EV, et al. **J Gastroenterol Hepatol** 1990 Mar-Apr;5(2):173–9 (66 ref.)

PREVENTION & CONTROL

Yersinia enterocolitica in food hygiene. Kapperud G. **Int J Food Microbiol** 1991 Jan;12(1):53–65 (40 ref.)

VETERINARY

Aspects of the epidemiology of Yersinia enterocolitica: a review. Andersen JK, et al. **Int J Food Microbiol** 1991 Jul;13(3):231–7 (27 ref.)

YERSINIA PSEUDOTUBERCULOSIS

PATHOGENICITY

[Enteropathogenic yersinias: pathogenicity factors and new diagnostic methods] Heesemann J. **Immun Infekt** 1990 Dec; 18(6):186–91 (49 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

[Microbiology and epidemiology of Yersinia infections] Aleksić S, et al. **Immun Infekt** 1990 Dec;18(6):178–85 (67 ref.) (Eng. Abstr.) **(Ger)**

YERSINIA PSEUDOTUBERCULOSIS INFECTIONS

EPIDEMIOLOGY

Yersiniosis. Carniel E, et al.
Comp Immunol Microbiol Infect Dis 1990;13(2):51–8 (30 ref.)

MICROBIOLOGY

[Microbiology and epidemiology of Yersinia infections] Aleksić S, et al. **Immun Infekt** 1990 Dec;18(6):178–85 (67 ref.) (Eng. Abstr.) **(Ger)**

[Enteropathogenic yersinias: pathogenicity factors and new diagnostic methods] Heesemann J. **Immun Infekt** 1990 Dec; 18(6):186–91 (49 ref.) (Eng. Abstr.) **(Ger)**

YOHIMBINE

ANALOGS & DERIVATIVES

Progress in understanding the pathophysiology of cerebral ischemia: the almitrine-raubasine approach. Bentué-Ferrer D, et al. **Clin Neuropharmacol** 1990;13 Suppl 3:S9–25 (58 ref.)

A review of the EEG effects of the combination of almitrine and raubasine in animals and humans. Sebban C, et al. **Clin Neuropharmacol** 1990;13 Suppl 3:S50–8 (16 ref.)

PHARMACOLOGY

[Further experimental and clinical data on yohimbine with special reference to its anxiogenic effect. An experimental contribution] Costa R, et al. **Clin Ter** 1991 Jan 15;136(1):3–9 (30 ref.) (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

[Duxil and cognitive deficiency in the elderly. Results of a 6-month controlled multicenter study] Poitrenaud J, et al. **Ann Med Interne (Paris)** 1990;141 Suppl 1:31–5 (21 ref.) (Eng. Abstr.) **(Fre)**

YOLK PROTEINS see **EGG PROTEINS**

YOLK PROTEINS, DIETARY see **EGG PROTEINS, DIETARY**

YOLK SAC TUMOR see **MESONEPHROMA**

YOUTH see **ADOLESCENCE**

YTTRIUM RADIOISOTOPES

ADMINISTRATION & DOSAGE

Treatment of keloids by 90Sr-90Y beta-rays. Supe SS, et al. **Strahlenther Onkol** 1991 Jul;167(7):397–402 (43 ref.)

THERAPEUTIC USE

The theoretical implications and experimental and clinical results of radiolabeled antiferritin. Order SE. **Acta Oncol** 1990;29(6):689–94 (46 ref.)

The curability of tumours of differing size by targeted radiotherapy using 131I or 90Y. Wheldon TE, et al. **Radiother Oncol** 1991 Jun;21(2):91–9 (29 ref.)

Z-DNA, see **DNA**

ZEA see **CORN**

ZEBRAFISH

GROWTH & DEVELOPMENT

Developmental neurobiology of the zebrafish. Eisen JS. **J Neurosci** 1991 Feb;11(2):311–7 (80 ref.)

ZIDOVUDINE

ADMINISTRATION & DOSAGE

Antiretroviral therapy in combination with interferon for AIDS-related Kaposi's sarcoma. Fischl MA. **Am J Med** 1991 Apr 10;90(4A):2S–7S (36 ref.)

Antiretroviral therapy and immunomodulators in patients with AIDS. Groopman JE. **Am J Med** 1991 Apr 10; 90(4A):18S–21S (21 ref.)

Treatment of AIDS with combinations of antiretroviral agents. Merigan TC. **Am J Med** 1991 Apr 10; 90(4A):8S–17S (35 ref.)

[Therapy of HIV infection with zidovudine (AZT)] Goebel FD. **Verh Dtsch Ges Inn Med** 1990;96:530–3 (8 ref.) **(Ger)**

ADVERSE EFFECTS

Characteristics and pathogenesis of myositis in human immunodeficiency virus infection--distinction from azidothymidine-induced myopathy. Espinoza LR, et al. **Rheum Dis Clin North Am** 1991 Feb;17(1):117–29 (28 ref.)

BLOOD

State-of-the-art of zidovudine monitoring. Stretcher BN. **J Clin Lab Anal** 1991;5(1):60–8 (53 ref.)

PHARMACOLOGY

[Azidothymidine and the nervous system] Riedel RR, et al. **Fortschr Med** 1991 May 10;109(14):302–6 (0 ref.) (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

New developments in dideoxynucleoside antiretroviral therapy for HIV infection. Fischl MA. **AIDS Clin Rev** 1991;:197–214 (36 ref.)

Zidovudine: clinical experience in symptomatic HIV disease. Fischl MA. **AIDS Clin Rev** 1989;:221–42 (31 ref.)

Synergistic drug combinations in AIDS therapy. Dipyridamole/3'-azido-3'-deoxythymidine in particular and principles of analysis in general. Weinstein JN, et al. **Ann N Y Acad Sci** 1990;616:367–84 (68 ref.)

Antiretroviral therapy and the use of zidovudine for HIV infection. Hooker M. **Baillieres Clin Gastroenterol** 1990 Jun; 4(2):529–46 (24 ref.)

Zidovudine (Retrovir) update. Rachlis AR. **Can Med Assoc J** 1990 Dec 1;143(11):1177–85 (71 ref.)

AZT resistance in isolates of HIV. Richman DD. **Immunodefic Rev** 1991;2(4):315–8 (15 ref.)

Early therapeutic intervention in HIV infection--stepping stones to success. Weller IV. **Immunodefic Rev** 1991; 2(4):303–13 (40 ref.)

Concomitant ganciclovir and zidovudine treatment for cytomegalovirus retinitis in patients with HIV infection: an approach to treatment. Causey D. **J Acquir Immune Defic Syndr** 1991;4 Suppl 1:S16–21 (37 ref.)

Programmed activation of T-lymphocytes. A theoretical basis for short term treatment of AIDS with azidothymidine. Forsdyke DR. **Med Hypotheses** 1991 Jan; 34(1):24–7 (38 ref.)

Clinical applications of 3'-azido-2',3'-dideoxythymidine (AZT) and related dideoxynucleosides. Broder S. **Med Res Rev** 1990 Oct-Dec;10(4):419–39 (185 ref.)

Antiviral therapy for human immunodeficiency virus infection in children. McKinney RE Jr. **Pediatr Clin North Am** 1991 Feb;38(1):133–51 (94 ref.)

Living with AIDS--changes and challenges in the care of HIV disease. Scoular AB. **Scott Med J** 1990 Oct; 35(5):137–2 (12 ref.)

[Treatment of HIV infection in childhood] Ruiz Contreras J, et al. **An Esp Pediatr** 1990 Jul;33(1):1–11 (78 ref.) **(Spa)**

ZINC

[Zinc in clinical medicine. I. Biochemical and clinical aspects] Naveh Y. **Harefuah** 1989 Sep;117(5–6):145–9 (51 ref.) **(Heb)**

ANALYSIS

Assessment of zinc status. King JC. **J Nutr** 1990 Nov;120 Suppl 11:1474–9 (28 ref.)
Assessment of zinc status. Thompson RP. **Proc Nutr Soc** 1991 Mar;50(1):19–28 (85 ref.)

DEFICIENCY

Discovery of human zinc deficiency and studies in an experimental human model. Prasad AS. **Am J Clin Nutr** 1991 Feb;53(2):403–12 (92 ref.)
Zinc deficiency. A public health problem? Sandstead HH. **Am J Dis Child** 1991 Aug;145(8):853–9 (96 ref.)
Zinc status in some chronic childhood diseases. Perrone L, et al. **Beitr Infusionther** 1991;27:115–31 (59 ref.)
[Acrodermatitis enteropathica; a literature review] van Wouwe JP, et al. **Ned Tijdschr Geneeskd** 1991 Jan 5; 135(1):21–3 (20 ref.) (Eng. Abstr.) **(Dut)**
[Zinc deficiency in digestive disorders and its aggravation by total parenteral nutrition] Nève J. **Acta Gastroenterol Belg** 1989 Sep–Dec;52(5–6):395–8 (16 ref.) **(Fre)**
[Alzheimer's disease and the zinc theory] Constantinidis J. **Encephale** 1990 Jul–Aug;16(4):231–9 (62 ref.) (Eng. Abstr.) **(Fre)**
[Alzheimer's dementia and zinc] Constantinidis J. **Schweiz Arch Neurol Psychiatr** 1990;141(6):523–56 (120 ref.) (Eng. Abstr.) **(Fre)**
[Zinc] Boukthir S, et al. **Tunis Med** 1991 Jan;69(1):3–15 (82 ref.) **(Fre)**

METABOLISM

Reactivity of active centre analogues of Cu2Zn2 superoxide dismutase. Weser U, et al. **Adv Exp Med Biol** 1990;264:51–7 (15 ref.)
Dietary trace elements in early infancy. Chierici R, et al. **Beitr Infusionther** 1991;27:66–85 (120 ref.)
Use of zinc–copper metabolic interactions in the treatment of Wilson's disease. Brewer GJ, et al. **J Am Coll Nutr** 1990 Oct;9(5):487–91 (23 ref.)
The assessment of zinc status: a personal view. Aggett PJ. **Proc Nutr Soc** 1991 Mar;50(1):9–17 (38 ref.)
[Clinical aspects of zinc] Nemesánszky E, et al. **Orv Hetil** 1990 Sep 16;131(37):2015–8 (32 ref.) (Eng. Abstr.) **(Hun)**
[Trace elements in the human body and their physiological significance and levels in proliferative diseases of the hematopoietic system] Deptała A. **Pol Tyg Lek** 1989 Oct 2–16;44(40–42):892–5 (33 ref.) **(Pol)**

PHARMACOKINETICS

The effect of food processing on phytate hydrolysis and availability of iron and zinc. Sandberg AS. **Adv Exp Med Biol** 1991;289:499–508 (26 ref.)

PHARMACOLOGY

Effects of zinc oxide, rosin and resin acids and their combinations on bacterial growth and inflammatory cells. Söderberg TA. **Scand J Plast Reconstr Surg Suppl** 1990; 22:1–87 (193 ref.)

PHYSIOLOGY

Hypothesis regarding amyloid and zinc in the pathogenesis of Alzheimer disease: potential for preventive intervention. Constantinidis J. **Alzheimer Dis Assoc Disord** 1991 Spring; 5(1):31–5 (41 ref.)
The role of zinc in neuroendocrine–immune interactions during aging. Fabris N, et al. **Ann N Y Acad Sci** 1991; 621:314–26 (50 ref.)
Zinc: absorption and role in gastrointestinal metabolism and disorders. Cho CH. **Dig Dis** 1991;9(1):49–60 (120 ref.)
Uncultured lobster muscle, cultured neurons and brain slices: the neurophysiology of zinc. Smart TG. **J Pharm Pharmacol** 1990 Jun;42(6):377–87 (68 ref.)
Zinc in clinical surgery––a research review. Okada A, et al. **Jpn J Surg** 1990 Nov;20(6):635–44 (36 ref.)

THERAPEUTIC USE

Zinc therapy in children with cystic fibrosis. Safai-Kutti S, et al. **Beitr Infusionther** 1991;27:104–14 (22 ref.)
Calcium, magnesium, and zinc supplementation and perinatal outcome. Repke JT. **Clin Obstet Gynecol** 1991 Jun; 34(2):262–7 (35 ref.)
Zinc citrate/Triclosan: a new anti-plaque system for the control of plaque and the prevention of gingivitis: short-term clinical and mode of action studies. Cummins D. **J Clin Periodontol** 1991 Jul;18(6):455–61 (45 ref.)
Antibacterial dentifrices. Clinical data and relevance with emphasis on zinc/triclosan. Gjermo P, et al. **J Clin Periodontol** 1991 Jul;18(6):468–73 (60 ref.)

TOXICITY

Micronutrient supplements: toxicity and drug interactions. Flodin NW. **Prog Food Nutr Sci** 1990;14(4):277–331 (257 ref.)
A review on biochemical roles, toxicity and interactions of zinc, copper and iron: IV. Interactions. Abdel-Mageed AB, et al. **Vet Hum Toxicol** 1990 Oct;32(5):456–8 (0 ref.)

URINE

Correlation of cadmium, copper, manganese, and zinc levels in the urine of people in nonpolluted areas. Watanabe T, et al. **J Toxicol Environ Health** 1991 Jul;33(3):263–72 (24 ref.)

ZINC FINGERS

Zinc finger motif for single-stranded nucleic acids? Investigations by nuclear magnetic resonance. Summers MF. **J Cell Biochem** 1991 Jan;45(1):41–8 (42 ref.)

GENETICS

Hereditary 1,25-dihydroxyvitamin D resistant rickets: molecular basis and implications for the role of 1,25(OH) 2D3 in normal physiology. Feldman D, et al. **Mol Cell Endocrinol** 1990 Sep 10;72(3):C57–62 (53 ref.)
The ZFY gene family in humans and mice. Koopman P, et al. **Trends Genet** 1991 Apr;7(4):132–6 (34 ref.)
Of moulds and men, or two fingers are not better than one. Scazzocchio C. **Trends Genet** 1990 Oct;6(10):311–3 (18 ref.)

PHYSIOLOGY

The Egr family of nuclear signal transducers. Sukhatme VP. **Am J Kidney Dis** 1991 Jun;17(6):615–8 (20 ref.)
Interactions among a subfamily of nuclear hormone receptors: the regulatory zipper model. Forman BM, et al. **Mol Endocrinol** 1990 Sep;4(9):1293–301 (88 ref.)
The etiology of XX sex reversal. de la Chapelle A, et al. **Reprod Nutr Dev** 1990;Suppl 1:39s–49s (30 ref.)

ZINC OXIDE

PHARMACOLOGY

Effects of zinc oxide, rosin and resin acids and their combinations on bacterial growth and inflammatory cells. Söderberg TA. **Scand J Plast Reconstr Surg Suppl** 1990; 22:1–87 (193 ref.)

ZINC PHOSPHATE CEMENT

CHEMISTRY

Luting cements: a review and comparison. Oilo G. **Int Dent J** 1991 Apr;41(2):81–8 (30 ref.)

ZOLLINGER-ELLISON SYNDROME

Zollinger Ellison syndrome. Sharma M[illegible], et al. **J Assoc Physicians India** 1990 Sep;38 Suppl 1:731–5 (38 ref.)
A case report of Zollinger Ellison syndrome and review of the literature. Kato H, et al. **Jpn J Surg** 1991 Jan; 21(1):105–9 (15 ref.)
Zollinger–Ellison syndrome. Berg CL, et al. **Med Clin North Am** 1991 Jul;75(4):903–21 (110 ref.)
[Gastrin-producing neoformations (Zollinger–Ellison syndrome)] Nechai AI, et al. **Klin Med (Mosk)** 1990 Nov; 68(11):18–22 (6 ref.) **(Rus)**

DIAGNOSIS

[Which diagnostic and therapeutic approach to the Zollinger–Ellison syndrome should be adopted in 1990?] Mignon M, et al. **Acta Chir Belg** 1991 Mar–Apr;91(2):88–95 (18 ref.) (Eng. Abstr.) **(Fre)**
[The Zollinger–Ellison syndrome. A case report] Cárdenas S, et al. **Rev Invest Clin** 1976 Jul–Sep;28(3):245–54 (28 ref.) (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Use of omeprazole in patients with Zollinger–Ellison syndrome. Frucht H, et al. **Dig Dis Sci** 1991 Apr; 36(4):394–404 (79 ref.)
The clinical safety of omeprazole. Sölvell L. **Digestion** 1990; 47 Suppl 1:59–63; discussion 76 (1 ref.)

EPIDEMIOLOGY

Medical and surgical conditions predisposing to gastroesophageal reflux disease. Day JP, et al. **Gastroenterol Clin North Am** 1990 Sep;19(3):587–607 (91 ref.)

METABOLISM

Progastrin in pancreas and the Zollinger–Ellison syndrome. Bardram L. **Scand J Gastroenterol** 1990 Dec;25(12):1185–95 (116 ref.)

SURGERY

Zollinger–Ellison syndrome. A new look at regression of gastrinomas. Delcore R, et al. **Arch Surg** 1991 May; 126(5):556–8 (21 ref.)
Unresolved surgical issues in the management of patients with Zollinger–Ellison syndrome. Norton JA, et al. **World J Surg** 1991 Jan–Feb;15(1):151–9 (105 ref.)

THERAPY

Role of acid suppressants in patients with Zollinger–Ellison syndrome. Maton PN. **Aliment Pharmacol Ther** 1991;5 Suppl 1:25–35 (44 ref.)

ZONA see **HERPES ZOSTER**

ZONA GLOMERULOSA

CYTOLOGY

Two forms of cytochrome P-450(11 beta) in rat zona glomerulosa cells: a short review. Müller J, et al. **Endocr Res** 1991;17(1–2):165–84 (53 ref.)

METABOLISM

A rapid decline in external Ca2+ induces Ca2+ mobilization in bovine adrenal glomerulosa cells. Foster RH. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):165–9 (19 ref.)
Steroidogenesis and ionic permeability in adrenal glomerulosa cells. Marusic ET, et al. **Arch Biol Med Exp (Santiago)** 1988 Jun;21(1):171–6 (20 ref.)

ZONA PELLUCIDA

Zona drilling: a new approach to male infertility. Gordon JW. **J In Vitro Fert Embryo Transf** 1990 Oct;7(5):223–8 (25 ref.)

IMMUNOLOGY

Development of vaccines targeting the zona pellucida. Paterson M, et al. **Curr Opin Immunol** 1989–90;2(5):743–7 (7 ref.)

METABOLISM

The zona pellucida genes encode essential proteins for mammalian fertilization and early embryogenesis. Dean J. **Proc Soc Exp Biol Med** 1991 Feb;196(2):141–6 (24 ref.)

PHYSIOLOGY

Identification and functions of mammalian sperm–egg recognition molecules during fertilization. Jones R. **J Reprod Fertil Suppl** 1990;42:89–105 (94 ref.)
Zona pellucida-mediated signal transduction in mammalian spermatozoa. Kopf GS. **J Reprod Fertil Suppl** 1990; 42:33–49 (67 ref.)

ZOOLOGY

see related
ANIMALS

ZOONOSES

see related
DISEASE RESERVOIRS

Parasitic zoonoses: selective review of some diseases in South America. Grisi L. **Ann Parasitol Hum Comp** 1990;65 Suppl 1:79–82 (36 ref.)
Poxviruses: then and now. Studdert MJ. **Aust Vet J** 1991 May;68(5):180–1 (6 ref.)
Ecological questions concerning rickettsiae. Reháček J, et al. **Eur J Epidemiol** 1991 May;7(3):229–36 (64 ref.)
Rabies. Fishbein DB. **Infect Dis Clin North Am** 1991 Mar; 5(1):53–71 (50 ref.)
Ecology and epidemiology of zoonotic pathogens. Weinberg AN. **Infect Dis Clin North Am** 1991 Mar;5(1):1–6 (8 ref.)
Parasitic zoonoses in perspective. Schantz PM. **Int J Parasitol** 1991 Apr;21(2):161–70 (73 ref.)
Human effects of veterinary biological products. Geller RJ. **Vet Hum Toxicol** 1990 Oct;32(5):479–80 (25 ref.)
Zoonoses and other findings in hedgehogs (Erinaceus europaeus): a survey of mortality and review of the literature. Keymer IF, et al. **Vet Rec** 1991 Mar 16; 128(11):245–9 (43 ref.)

ETIOLOGY

Pet-associated lung diseases. Winer-Muram HT, et al. **J Thorac Imaging** 1991 Jul;6(3):14–30 (111 ref.)

PARASITOLOGY

Parasites, pets, and people. Marx MB. **Prim Care** 1991 Mar; 18(1):153–65 (20 ref.)

PREVENTION & CONTROL

Zoonoses in India. Sehgal S, et al. **J Commun Dis** 1990 Dec; 22(4):227–35 (28 ref.)

TRANSMISSION

Plague and tularemia. Craven RB, et al. **Infect Dis Clin North Am** 1991 Mar;5(1):165–75 (20 ref.)
Infections transmitted by large and small laboratory animals. Fox JG, et al. **Infect Dis Clin North Am** 1991 Mar; 5(1):131–63 (98 ref.)
Household pets and human infections. Goldstein EJ. **Infect Dis Clin North Am** 1991 Mar;5(1):117–30 (39 ref.)
Emerging vector-borne infections. Telford SR 3d, et al. **Infect Dis Clin North Am** 1991 Mar;5(1):7–17 (25 ref.)
Veterinary sources of foodborne illness. Johnston AM. **Lancet** 1990 Oct 6;336(8719):856–8 (15 ref.)

ZOOPHAGINAE see **VERTEBRATE VIRUSES**

ZOSTER see HERPES ZOSTER

ZYGOMA

Rhytidectomy: suprazygomatic and infrazygomatic SMAS treatment. Morales P. **Aesthetic Plast Surg** 1991 Winter; 15(1):35–42 (28 ref.)

SURGERY

Alloplastic cheek augmentation. Mladick RA. **Clin Plast Surg** 1991 Jan;18(1):29–38 (23 ref.)

Temporal and malar–zygomatic reduction and augmentation. Whitaker LA. **Clin Plast Surg** 1991;Jan;18(1):55–64 (16 ref.)

Malar augmentation using autogenous materials. Wolfe SA, et al. **Clin Plast Surg** 1991 Jan;18(1):39–54 (44 ref.)

ZYGOMYCOSIS see MUCORMYCOSIS

ZYGOTE

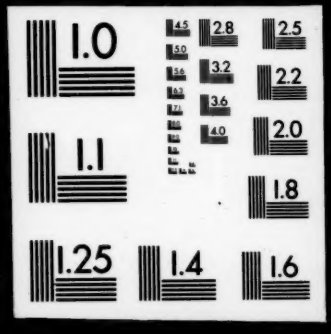
Zygotes, souls, substances, and persons. Bole TJ 3d. **J Med Philos** 1990 Dec;15(6):637–52 (11 ref.)

[Chromosome abnormalities of the fertilized human egg] Plachot M, et al. **Reprod Nutr Dev** 1990;Suppl 1:83s–88s (25 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Pathology of gamete and zygote transport: cervical, endometrial, myometrial, and tubal factors in infertility. Clement PB. **Monogr Pathol** 1991;(33):140–94 (319 ref.)

ZYMOGENS see ENZYME PRECURSORS


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